

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052824\  
 Data File : BF138040.D  
 Acq On : 28 May 2024 11:38  
 Operator : CG\JU  
 Sample : PB161134BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161134BS

Quant Time: May 28 12:31:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
 Supervised By :mohammad ahmed 05/30/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.034  | 152  | 153101   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.322  | 136  | 594063   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.086 | 164  | 337531   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.580 | 188  | 567544   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.233 | 240  | 317139   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.798 | 264  | 307118   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 1102495  | 122.321 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.663  | 99   | 1363711  | 122.827 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.604  | 82   | 837453   | 82.962  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.881 | 330  | 471863   | 138.648 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.398  | 172  | 1808355  | 82.528  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.169 | 244  | 1915194  | 89.002  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.034  | 88   | 137885   | 35.314  | ng    | 98       |
| 3) Pyridine                   | 3.781  | 79   | 340544   | 38.870  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.746  | 42   | 166737   | 43.141  | ng    | # 97     |
| 6) Aniline                    | 6.698  | 93   | 328855m  | 33.115  | ng    |          |
| 8) 2-Chlorophenol             | 6.822  | 128  | 449315   | 46.065  | ng    | 100      |
| 9) Benzaldehyde               | 6.593  | 77   | 333884   | 55.584  | ng    | 99       |
| 10) Phenol                    | 6.675  | 94   | 509485   | 45.463  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.769  | 93   | 393609   | 45.744  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.975  | 146  | 478296   | 42.382  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.051  | 146  | 484170   | 42.742  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.204  | 146  | 467085   | 43.811  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.175  | 79   | 355965   | 48.013  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.298  | 45   | 489495   | 46.279  | ng    | 99       |
| 17) 2-Methylphenol            | 7.281  | 107  | 351518   | 45.190  | ng    | 99       |
| 18) Hexachloroethane          | 7.545  | 117  | 164083   | 42.805  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 285895   | 45.833  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.428  | 107  | 447860   | 43.948  | ng    | 93       |
| 22) Acetophenone              | 7.445  | 105  | 598303   | 44.958  | ng    | # 98     |
| 24) Nitrobenzene              | 7.622  | 77   | 433729   | 42.355  | ng    | 98       |
| 25) Isophorone                | 7.851  | 82   | 797671   | 45.530  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.934  | 139  | 245918   | 47.793  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.957  | 122  | 326395   | 49.269  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.057  | 93   | 486875   | 45.853  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.175  | 162  | 386755   | 46.426  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.257  | 180  | 409469   | 44.023  | ng    | 99       |
| 31) Naphthalene               | 8.345  | 128  | 1313056  | 43.959  | ng    | 100      |
| 32) Benzoic acid              | 8.087  | 122  | 284587   | 50.818  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.381  | 127  | 175401   | 17.913  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.451  | 225  | 250728   | 42.588  | ng    | 99       |
| 35) Caprolactam               | 8.769  | 113  | 122146m  | 50.609  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.863  | 107  | 400830   | 47.299  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 9.034  | 142  | 862449   | 44.919  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.134  | 142  | 803605   | 42.573  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.198  | 216  | 419080   | 45.670  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.187  | 237  | 412266   | 118.239 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.310  | 196  | 284038   | 47.209  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052824\  
 Data File : BF138040.D  
 Acq On : 28 May 2024 11:38  
 Operator : CG\JU  
 Sample : PB161134BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161134BS

Manual Integrations  
 APPROVED

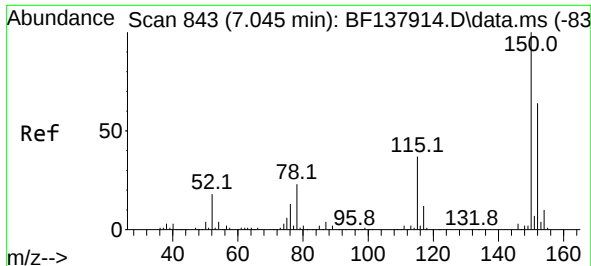
Reviewed By :Jagrut Upadhyay 05/29/2024  
 Supervised By :mohammad ahmed 05/30/2024

Quant Time: May 28 12:31:35 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.357  | 196  | 306267   | 46.523 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.504  | 154  | 1062222  | 44.869 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.528  | 162  | 825452   | 43.679 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.622  | 65   | 226168   | 46.735 | ng    | 99       |
| 49) Acenaphthylene            | 9.951  | 152  | 1309699  | 48.198 | ng    | 99       |
| 50) Dimethylphthalate         | 9.798  | 163  | 995692   | 47.042 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.863  | 165  | 222579   | 45.818 | ng    | 100      |
| 52) Acenaphthene              | 10.122 | 154  | 881072   | 49.058 | ng    | 100      |
| 53) 3-Nitroaniline            | 10.034 | 138  | 152271   | 32.063 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 10.145 | 184  | 239360   | 90.229 | ng    | # 81     |
| 55) Dibenzofuran              | 10.292 | 168  | 1184524  | 45.319 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.192 | 139  | 333391   | 97.742 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.269 | 165  | 297218   | 47.327 | ng    | # 88     |
| 58) Fluorene                  | 10.639 | 166  | 937870   | 45.365 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.404 | 232  | 259767   | 50.229 | ng    | 97       |
| 60) Diethylphthalate          | 10.498 | 149  | 934100   | 47.254 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.622 | 204  | 468065   | 45.910 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.657 | 138  | 202148   | 44.878 | ng    | 98       |
| 63) Azobenzene                | 10.786 | 77   | 837080   | 46.555 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.681 | 198  | 169736   | 51.796 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.745 | 169  | 814637   | 46.805 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.116 | 248  | 291815   | 46.901 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.186 | 284  | 317912   | 46.224 | ng    | 97       |
| 69) Atrazine                  | 11.269 | 200  | 272215   | 57.276 | ng    | 100      |
| 70) Pentachlorophenol         | 11.381 | 266  | 370450   | 91.953 | ng    | 98       |
| 71) Phenanthrene              | 11.610 | 178  | 1290084  | 46.127 | ng    | 99       |
| 72) Anthracene                | 11.657 | 178  | 1312094  | 47.284 | ng    | 99       |
| 73) Carbazole                 | 11.810 | 167  | 1172701  | 46.262 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.128 | 149  | 1411865  | 50.187 | ng    | 100      |
| 75) Fluoranthene              | 12.798 | 202  | 1269570  | 44.722 | ng    | 98       |
| 77) Benzidine                 | 12.916 | 184  | 100290   | 24.197 | ng    | 99       |
| 78) Pyrene                    | 13.033 | 202  | 1267118  | 45.681 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.633 | 149  | 444333   | 53.108 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.221 | 228  | 960483   | 47.870 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.180 | 252  | 211570   | 38.050 | ng    | 99       |
| 83) Chrysene                  | 14.263 | 228  | 905071   | 47.166 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.186 | 149  | 559791   | 53.226 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.816 | 149  | 895231   | 63.007 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.439 | 276  | 1003051  | 50.835 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.327 | 252  | 898209   | 50.511 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.363 | 252  | 814843   | 46.644 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.733 | 252  | 782753   | 51.550 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.457 | 278  | 807834   | 49.553 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.933 | 276  | 785435   | 45.863 | ng    | 99       |

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





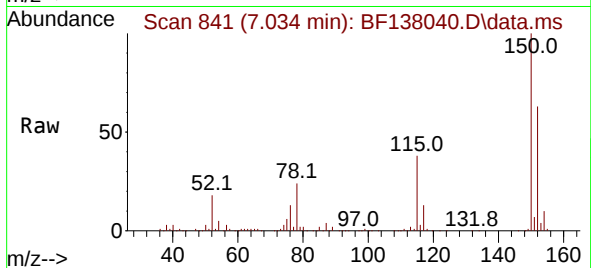
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.034 min Scan# 84  
Delta R.T. -0.011 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

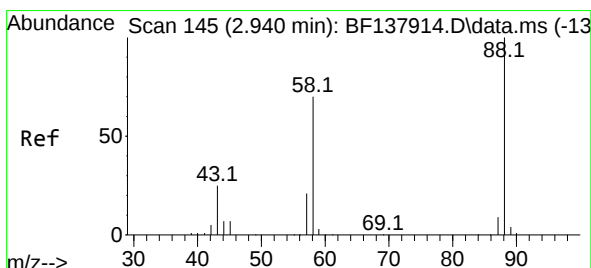
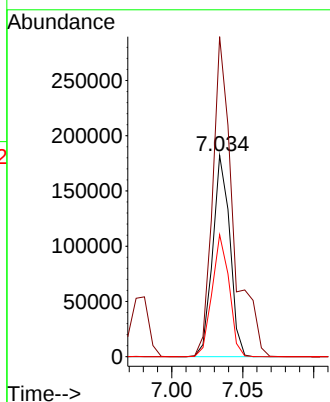
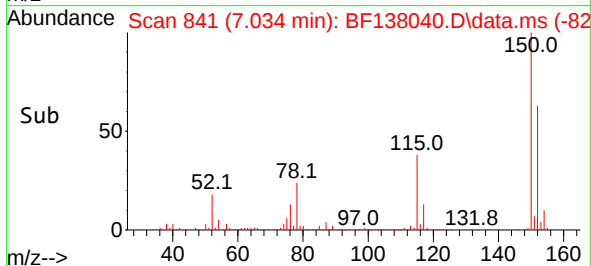


Tgt Ion:152 Resp: 15310  
Ion Ratio Lower Upper  
152 100  
150 159.0 125.7 188.5  
115 60.6 47.0 70.6

Manual Integrations

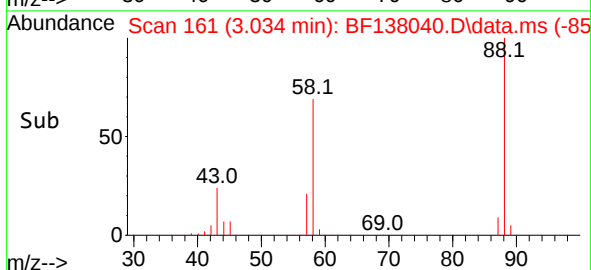
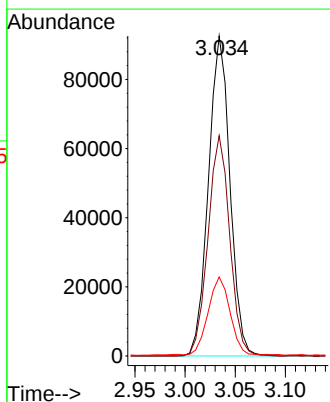
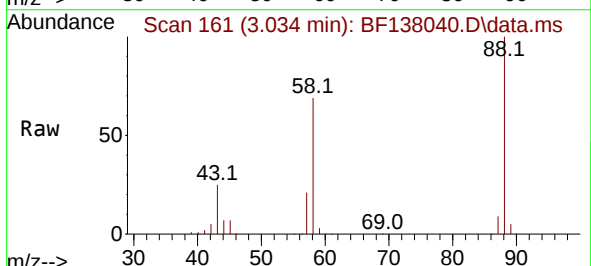
APPROVED

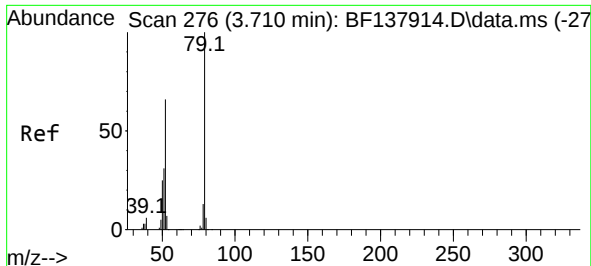
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#2  
1,4-Dioxane  
Concen: 35.314 ng  
RT: 3.034 min Scan# 161  
Delta R.T. 0.094 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

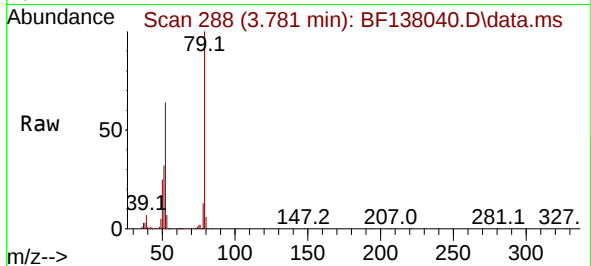
Tgt Ion: 88 Resp: 137885  
Ion Ratio Lower Upper  
88 100  
58 69.6 54.4 81.6  
43 25.2 19.6 29.4





#3  
Pyridine  
Concen: 38.870 ng  
RT: 3.781 min Scan# 21  
Delta R.T. 0.071 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

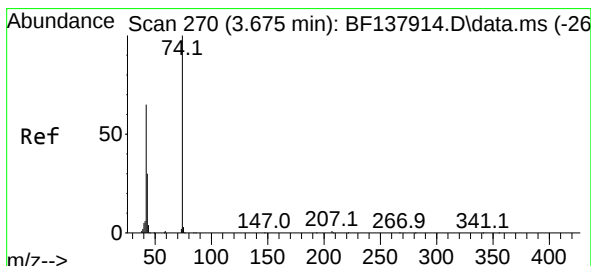
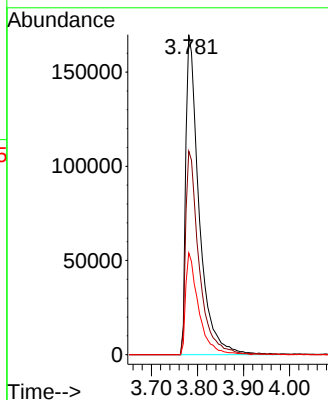
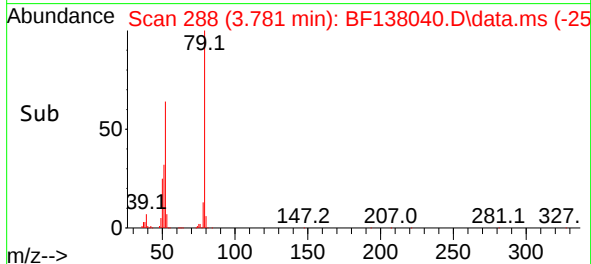
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



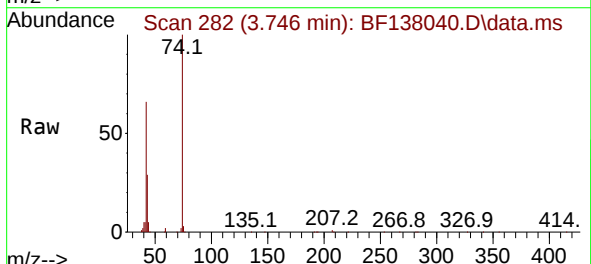
Tgt Ion: 79 Resp: 340544  
Ion Ratio Lower Upper  
79 100  
52 63.6 52.5 78.7  
51 31.8 25.1 37.7

Manual Integrations  
APPROVED

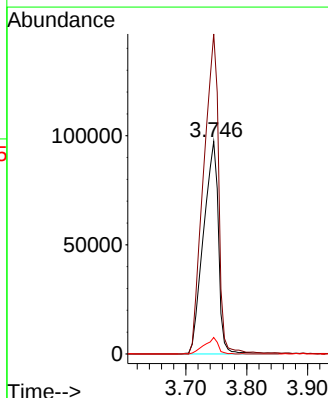
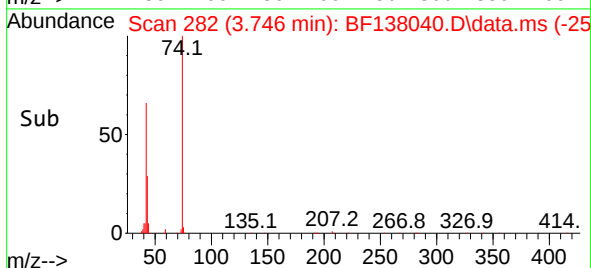
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

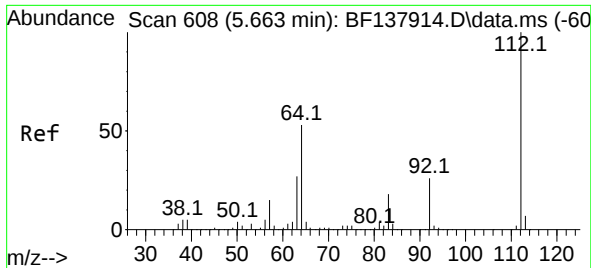


#4  
n-Nitrosodimethylamine  
Concen: 43.141 ng  
RT: 3.746 min Scan# 282  
Delta R.T. 0.071 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion: 42 Resp: 166737  
Ion Ratio Lower Upper  
42 100  
74 150.6 123.1 184.7  
44 7.8 5.0 7.6#





#5  
2-Fluorophenol  
Concen: 122.321 ng  
RT: 5.675 min Scan# 610  
Delta R.T. 0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

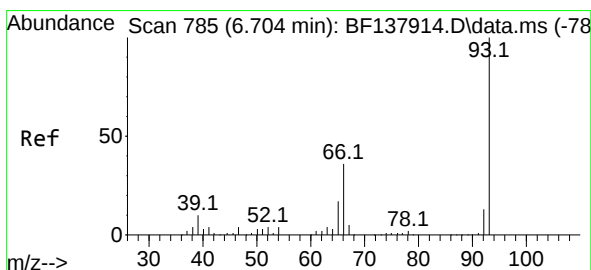
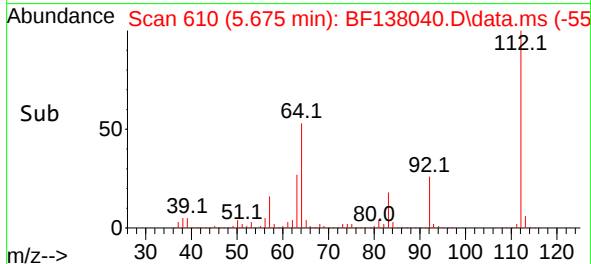
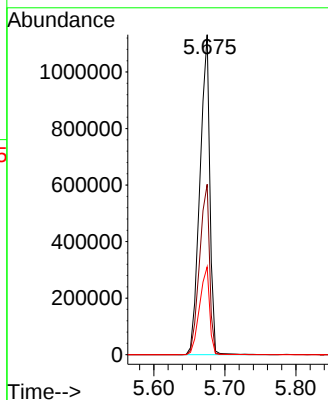
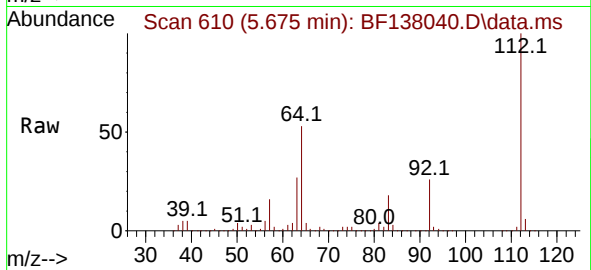
PB161134BS

Tgt Ion:112 Resp: 110249  
Ion Ratio Lower Upper  
112 100  
64 53.3 42.4 63.6  
63 27.4 21.4 32.2

Manual Integrations

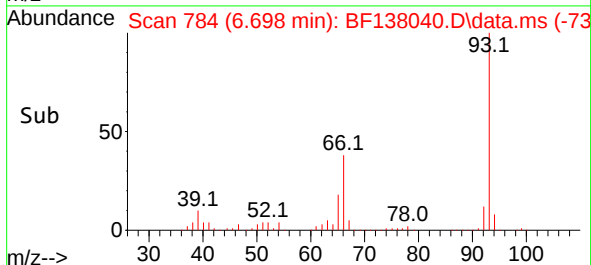
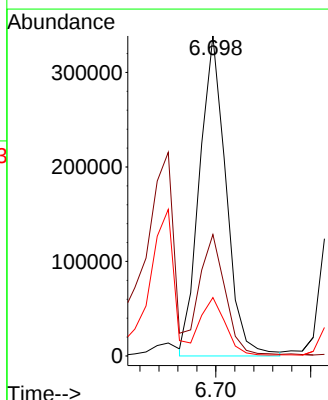
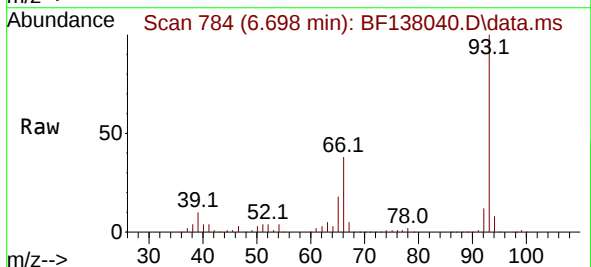
APPROVED

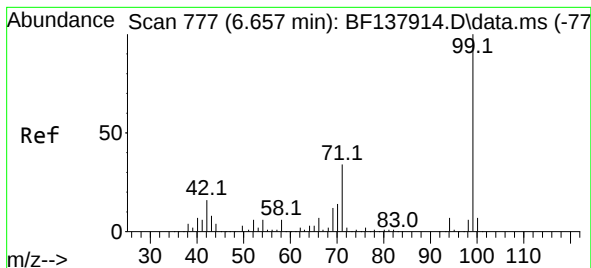
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#6  
Aniline  
Concen: 33.115 ng m  
RT: 6.698 min Scan# 784  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion: 93 Resp: 328855  
Ion Ratio Lower Upper  
93 100  
66 37.9 30.7 46.1  
65 18.2 15.0 22.4





#7

Phenol-d6

Concen: 122.827 ng

RT: 6.663 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion: 99 Resp: 136371

Ion Ratio Lower Upper

99 100

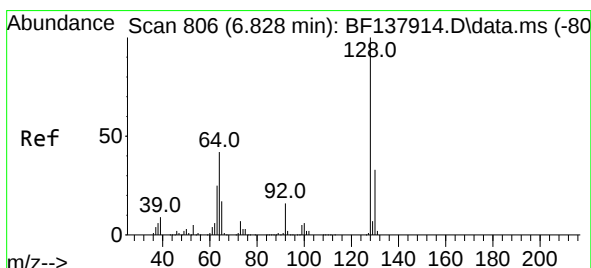
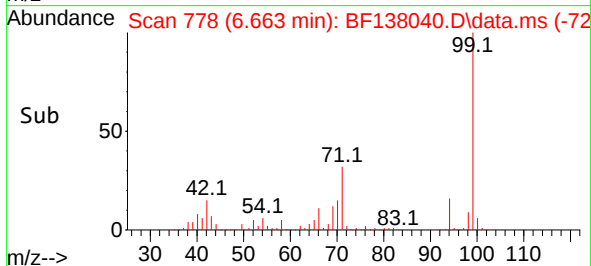
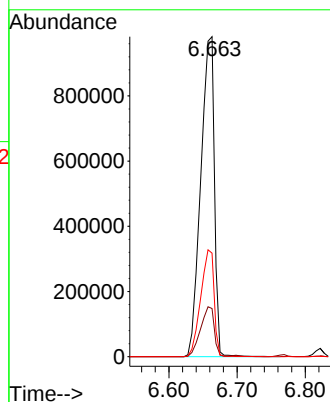
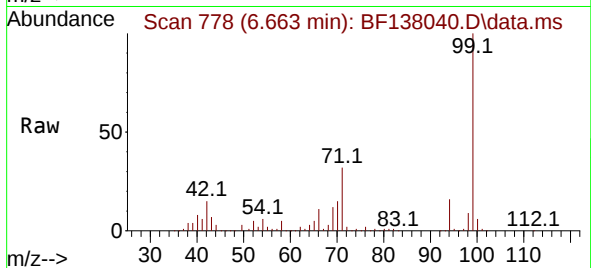
42 15.0 12.6 18.8

71 32.4 27.1 40.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#8

2-Chlorophenol

Concen: 46.065 ng

RT: 6.822 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

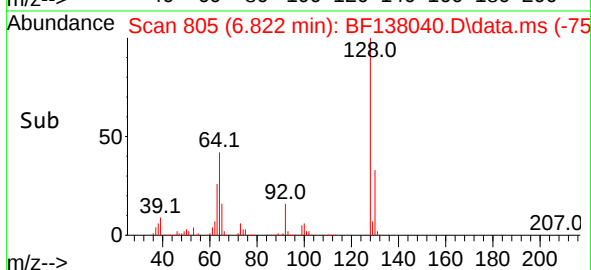
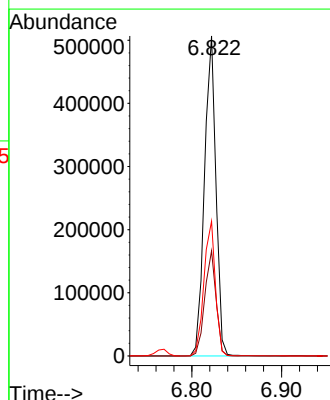
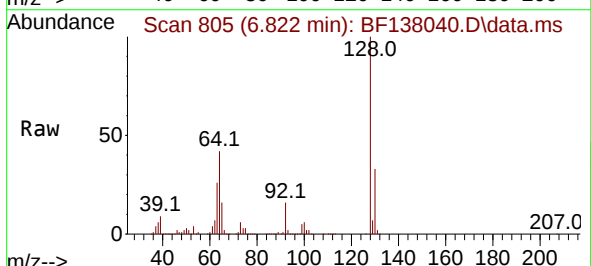
Tgt Ion:128 Resp: 449315

Ion Ratio Lower Upper

128 100

130 32.9 12.8 52.8

64 42.1 22.2 62.2





#9  
Benzaldehyde  
Concen: 55.584 ng  
RT: 6.593 min Scan# 70  
Delta R.T. -0.005 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

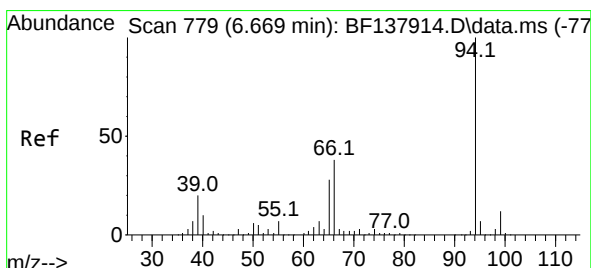
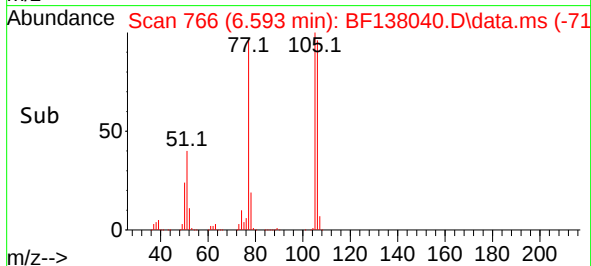
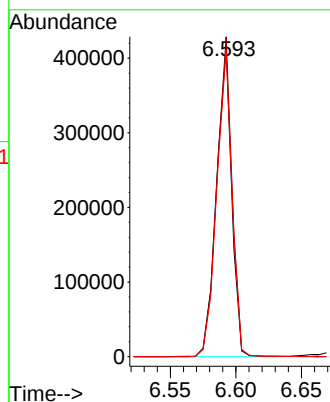
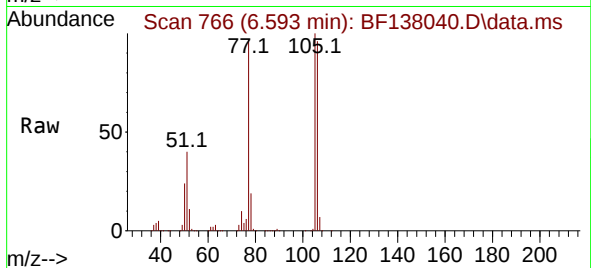
PB161134BS

Tgt Ion: 77 Resp: 333884  
Ion Ratio Lower Upper  
77 100  
105 103.4 82.3 122.3  
106 99.0 79.2 119.2

Manual Integrations

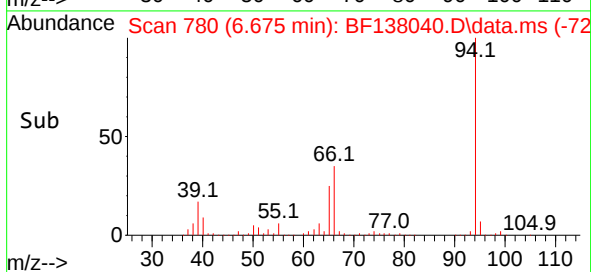
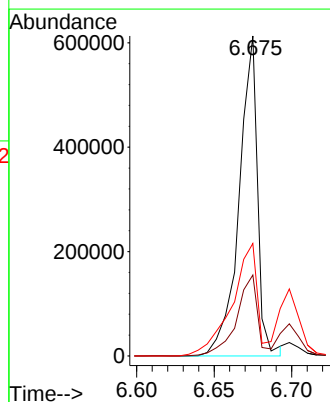
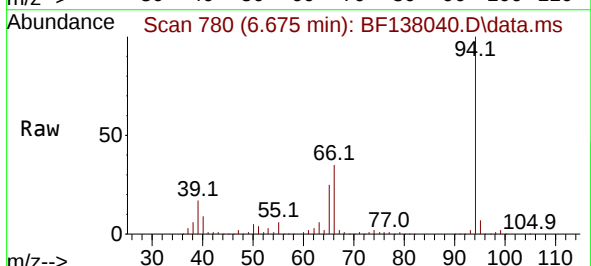
APPROVED

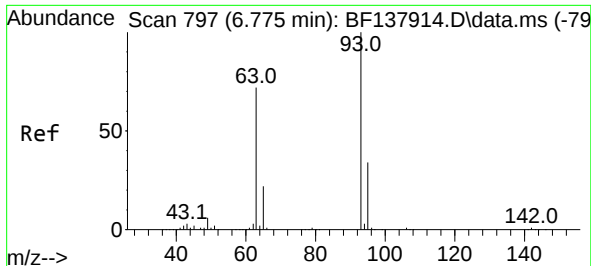
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#10  
Phenol  
Concen: 45.463 ng  
RT: 6.675 min Scan# 780  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion: 94 Resp: 509485  
Ion Ratio Lower Upper  
94 100  
65 25.3 7.8 47.8  
66 35.2 18.6 58.6





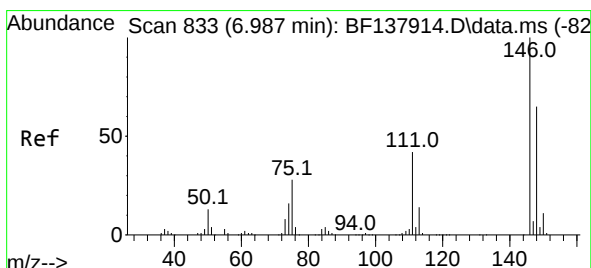
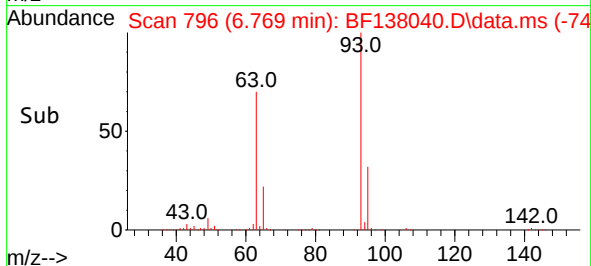
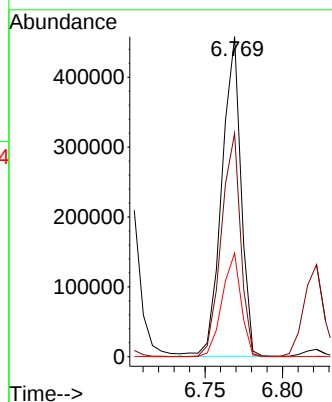
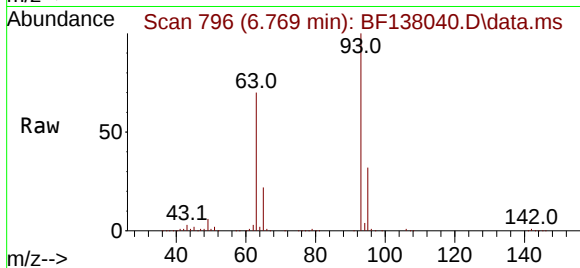
#11  
bis(2-Chloroethyl)ether  
Concen: 45.744 ng  
RT: 6.769 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS

Tgt Ion: 93 Resp: 393609  
Ion Ratio Lower Upper  
93 100  
63 69.8 51.4 91.4  
95 32.4 13.5 53.5

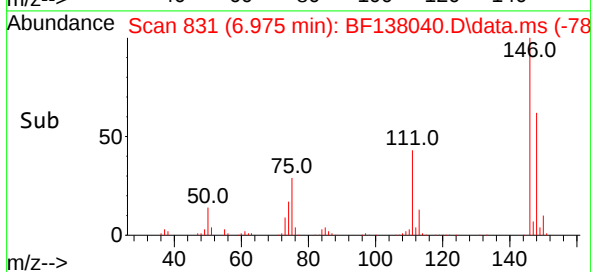
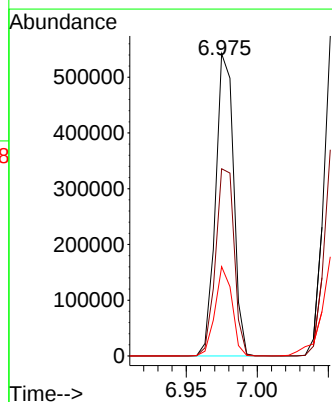
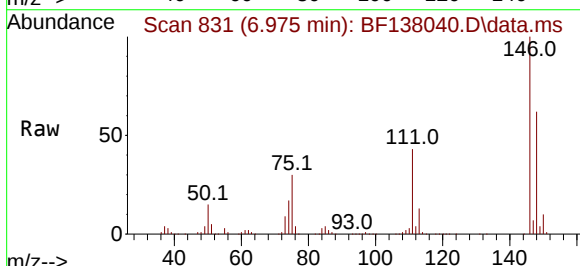
Manual Integrations  
APPROVED

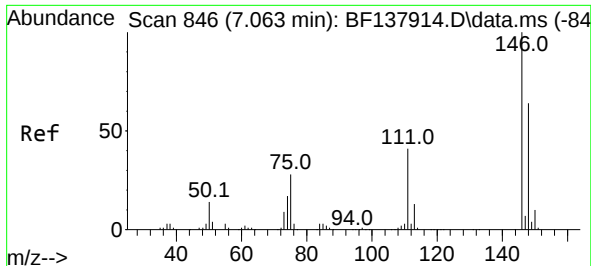
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#12  
1,3-Dichlorobenzene  
Concen: 42.382 ng  
RT: 6.975 min Scan# 831  
Delta R.T. -0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:146 Resp: 478296  
Ion Ratio Lower Upper  
146 100  
148 61.9 51.7 77.5  
75 29.5 22.4 33.6





#13

1,4-Dichlorobenzene

Concen: 42.742 ng

RT: 7.051 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:146 Resp: 484170

Ion Ratio Lower Upper

146 100

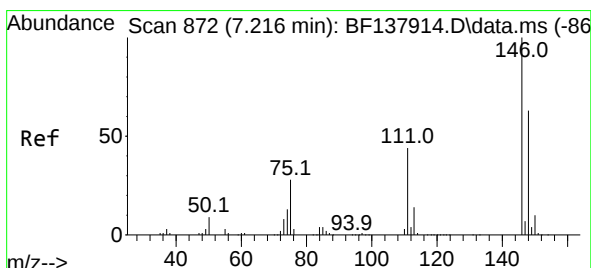
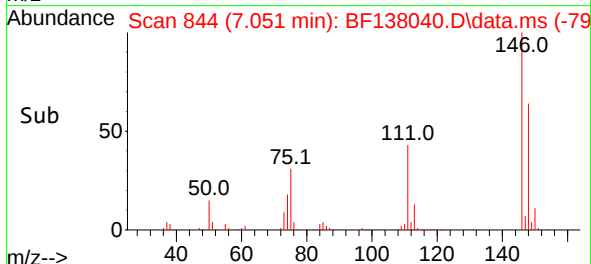
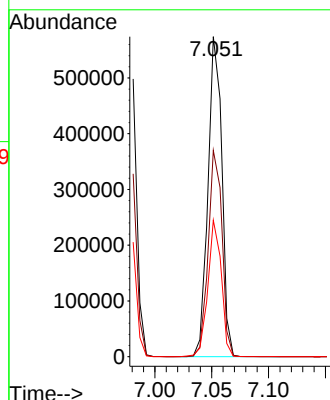
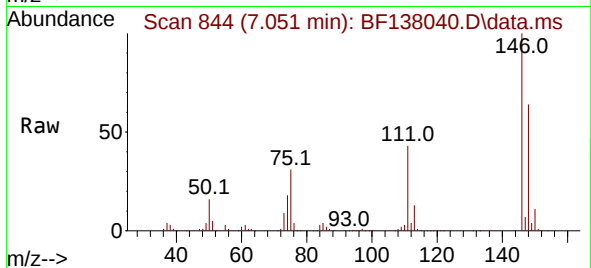
148 64.5 51.0 76.6

111 42.7 32.5 48.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#14

1,2-Dichlorobenzene

Concen: 43.811 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.012 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

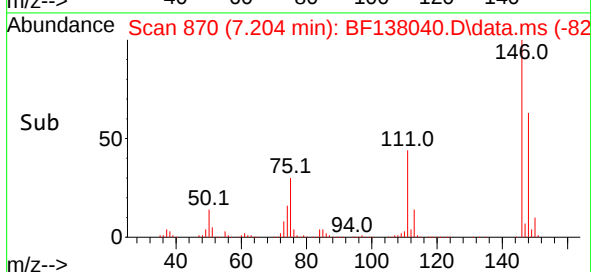
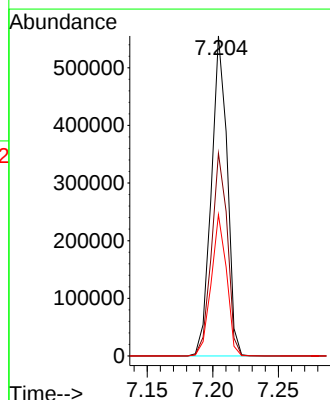
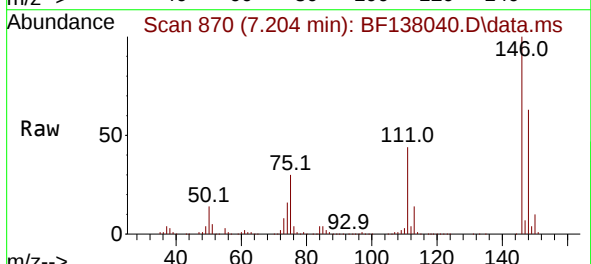
Tgt Ion:146 Resp: 467085

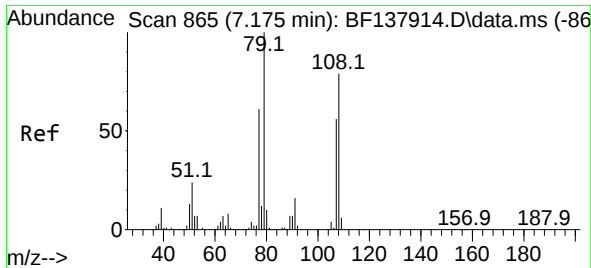
Ion Ratio Lower Upper

146 100

148 63.4 50.2 75.4

111 44.1 35.1 52.7





#15  
Benzyl Alcohol  
Concen: 48.013 ng  
RT: 7.175 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

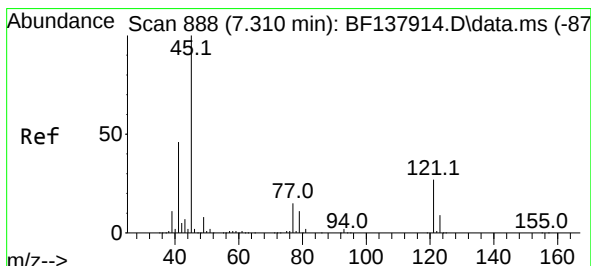
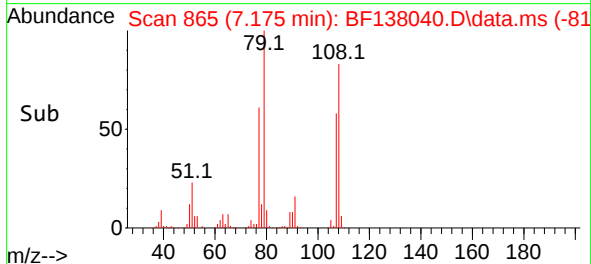
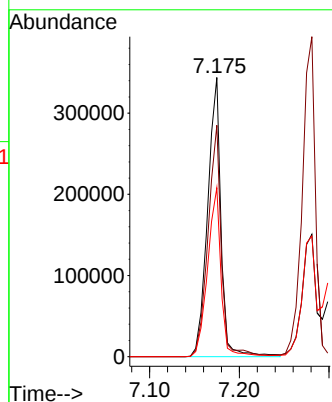
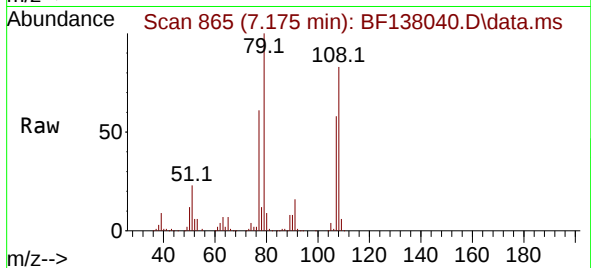
ClientSampleId :

PB161134BS

Tgt Ion: 79 Resp: 35596  
Ion Ratio Lower Upper  
79 100  
108 82.9 62.8 94.2  
77 60.5 48.7 73.1

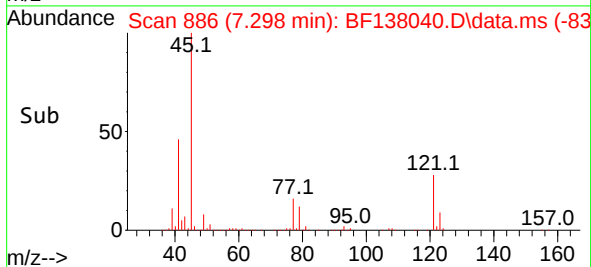
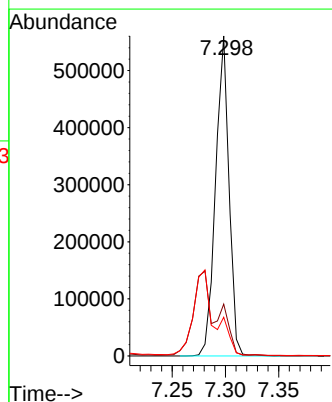
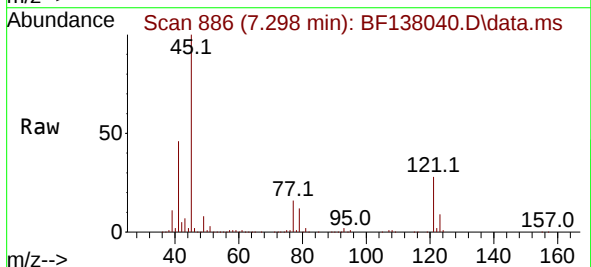
Manual Integrations  
APPROVED

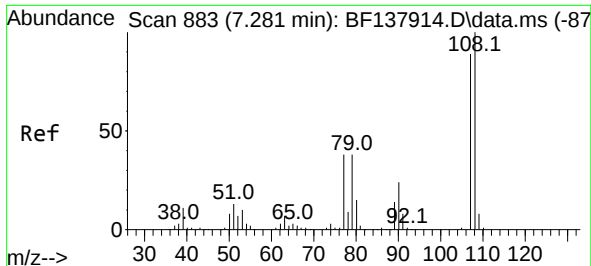
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.279 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion: 45 Resp: 489495  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 35.3  
79 12.1 0.0 32.1





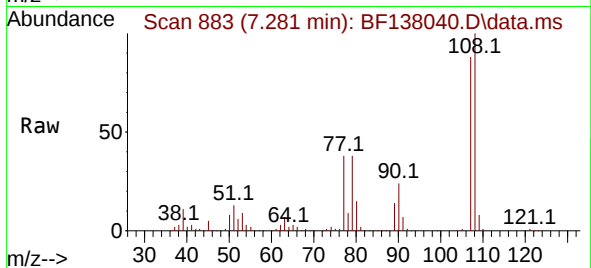
#17  
2-Methylphenol  
Concen: 45.190 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

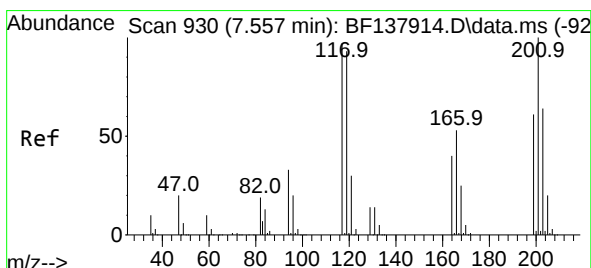
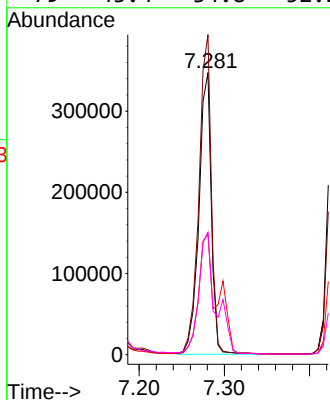
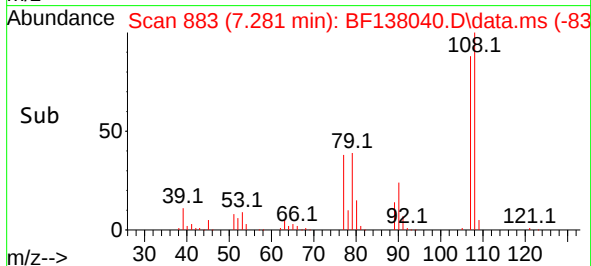


Tgt Ion:107 Resp: 351518  
Ion Ratio Lower Upper  
107 100  
108 113.5 90.1 135.1  
77 42.8 34.3 51.5  
79 43.4 34.8 52.2

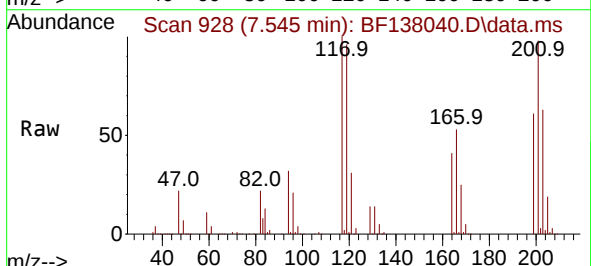
Manual Integrations

APPROVED

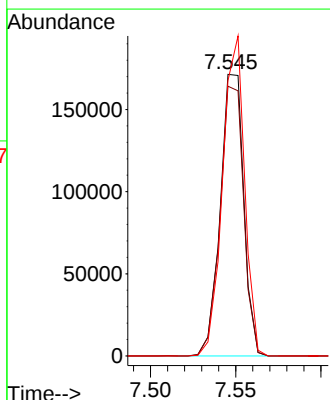
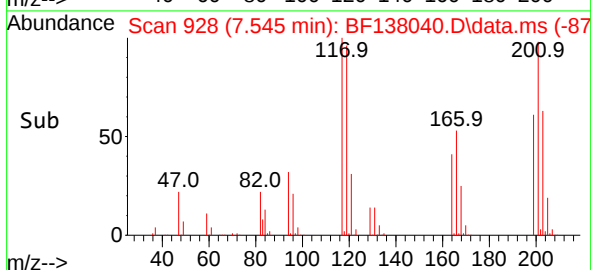
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#18  
Hexachloroethane  
Concen: 42.805 ng  
RT: 7.545 min Scan# 928  
Delta R.T. -0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



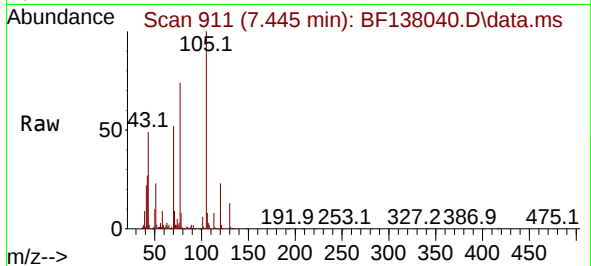
Tgt Ion:117 Resp: 164083  
Ion Ratio Lower Upper  
117 100  
119 95.8 76.8 115.2  
201 97.8 82.7 124.1





#19  
n-Nitroso-di-n-propylamine  
Concen: 45.833 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

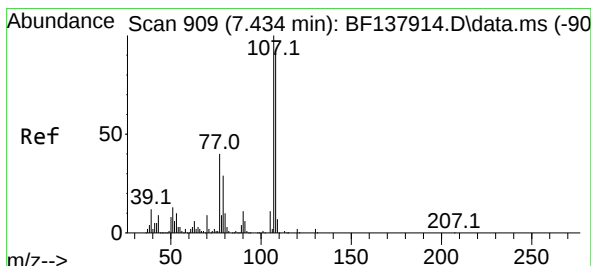
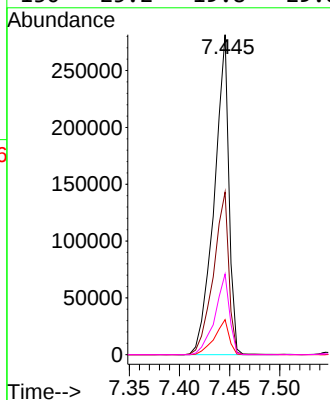
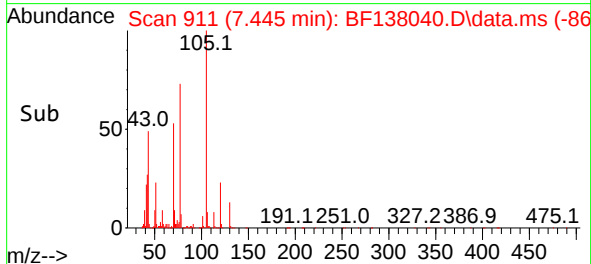
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



Tgt Ion: 70 Resp: 28589  
Ion Ratio Lower Upper  
70 100  
42 50.8 42.2 63.4  
101 11.0 8.8 13.2  
130 25.2 19.8 29.8

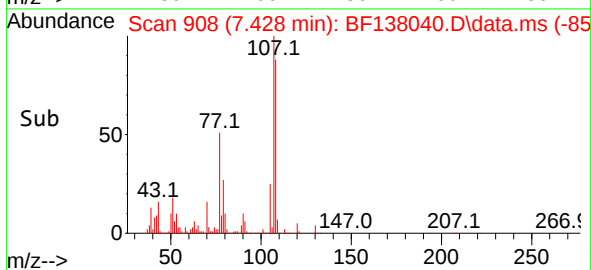
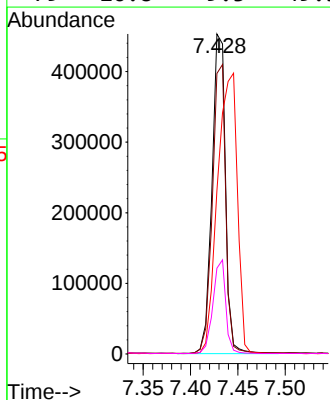
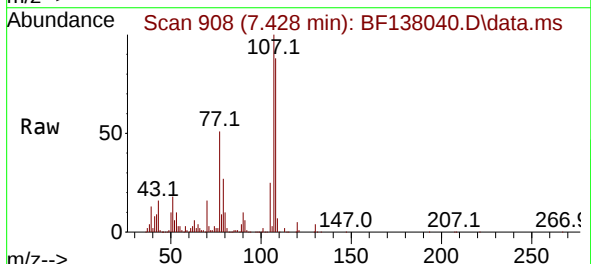
Manual Integrations  
APPROVED

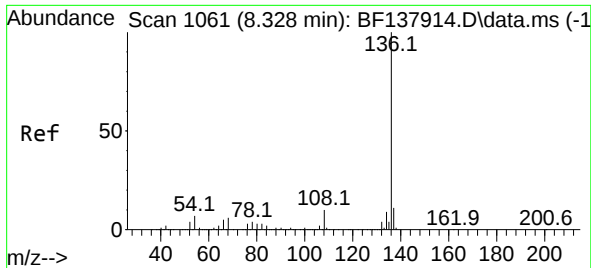
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#20  
3+4-Methylphenols  
Concen: 43.948 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:107 Resp: 447860  
Ion Ratio Lower Upper  
107 100  
108 87.6 70.8 110.8  
77 51.1 20.2 60.2  
79 26.8 9.3 49.3





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.322 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

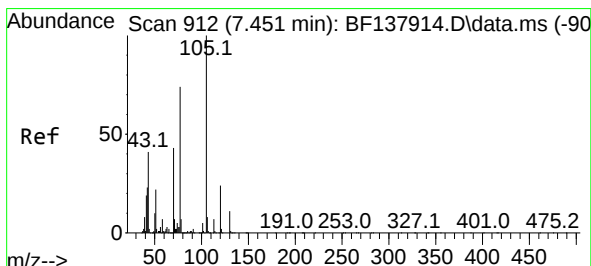
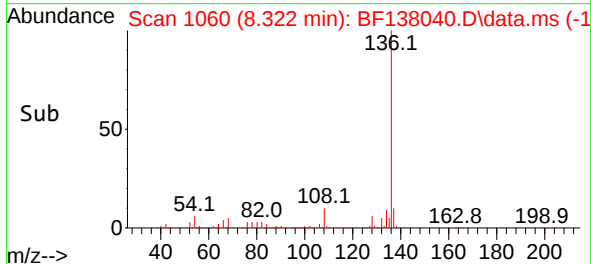
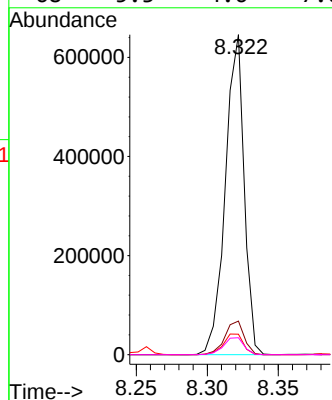
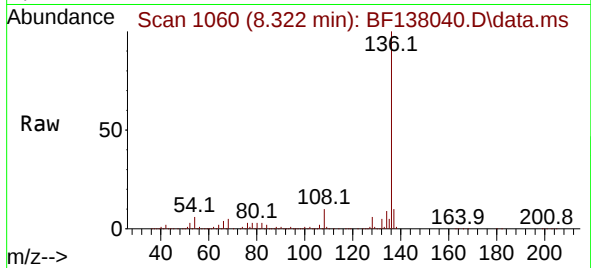
ClientSampleId :

PB161134BS

Tgt Ion:136 Resp: 594063  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.7 13.1  
54 6.4 5.4 8.2  
68 5.3 4.6 7.0

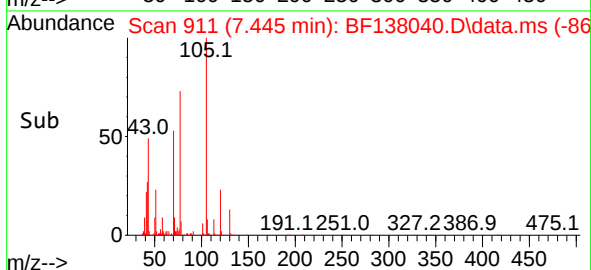
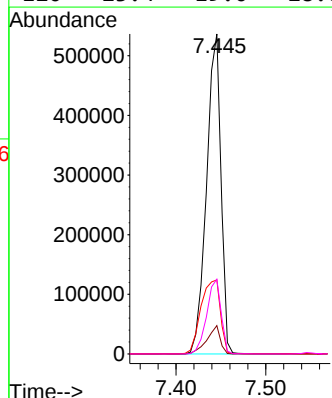
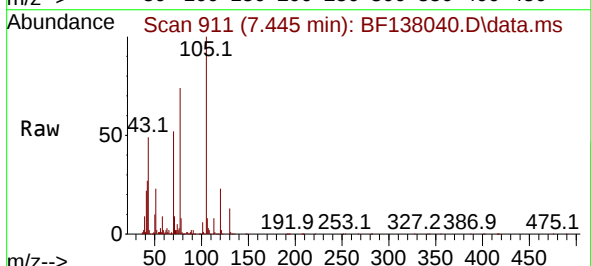
Manual Integrations  
APPROVED

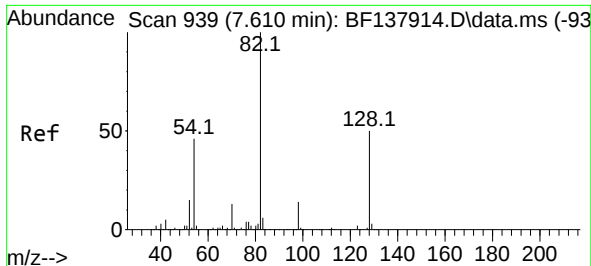
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#22  
Acetophenone  
Concen: 44.958 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:105 Resp: 598303  
Ion Ratio Lower Upper  
105 100  
71 8.8 5.7 8.5#  
51 23.1 17.8 26.8  
120 23.4 19.0 28.6





#23

Nitrobenzene-d5

Concen: 82.962 ng

RT: 7.604 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

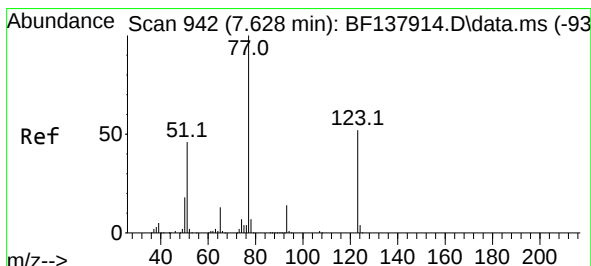
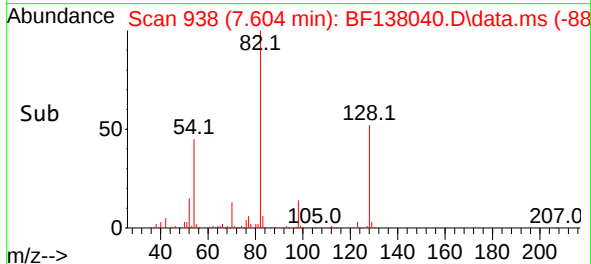
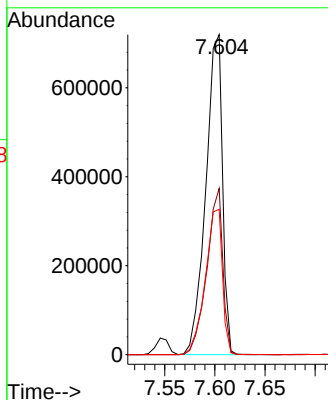
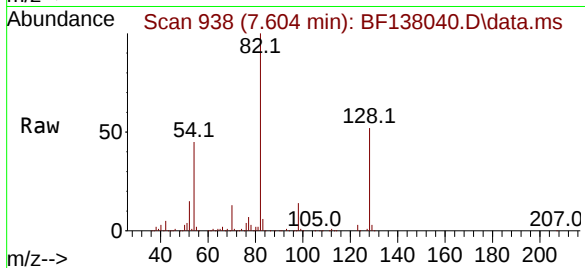
PB161134BS

Tgt Ion: 82 Resp: 83745  
 Ion Ratio Lower Upper  
 82 100  
 128 51.9 40.3 60.5  
 54 45.5 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
 Supervised By :mohammad ahmed 05/30/2024



#24

Nitrobenzene

Concen: 42.355 ng

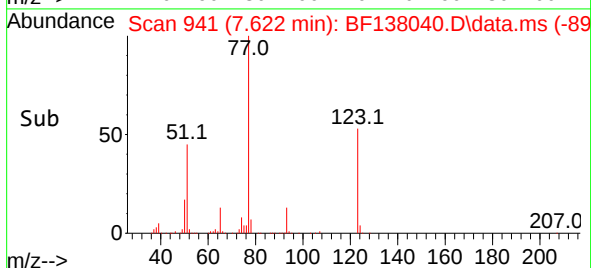
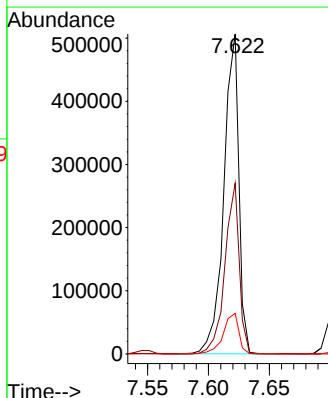
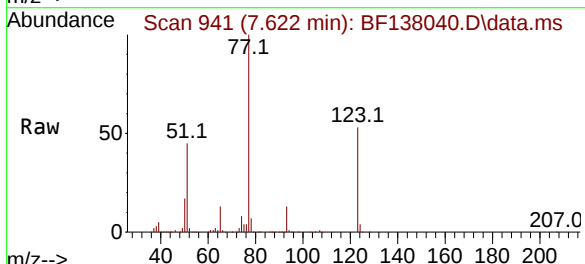
RT: 7.622 min Scan# 941

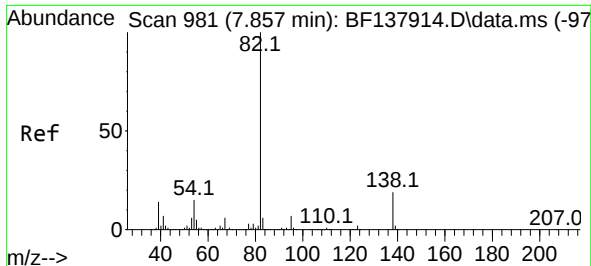
Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Tgt Ion: 77 Resp: 433729  
 Ion Ratio Lower Upper  
 77 100  
 123 53.3 41.4 62.2  
 65 12.7 10.5 15.7





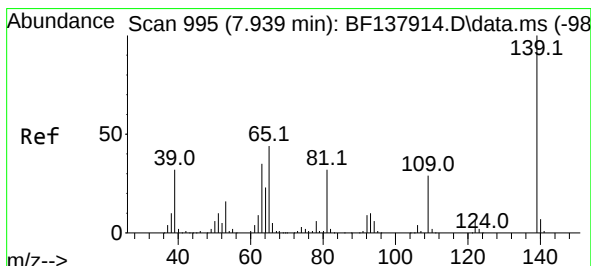
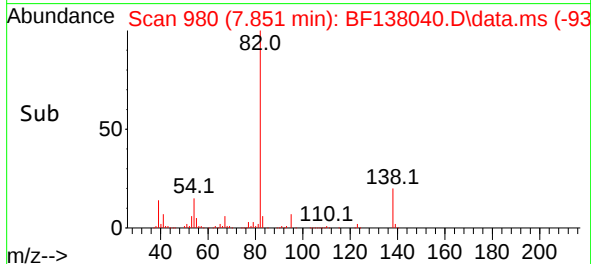
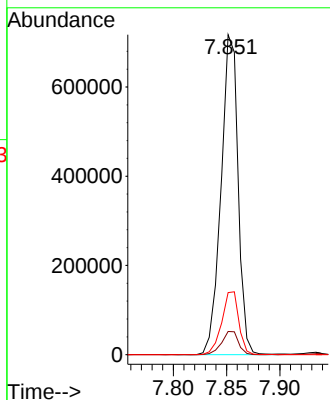
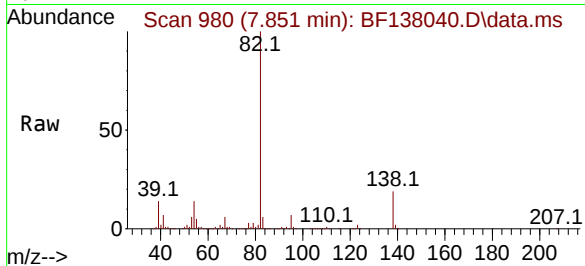
#25  
Isophorone  
Concen: 45.530 ng  
RT: 7.851 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS

Tgt Ion: 82 Resp: 79767  
Ion Ratio Lower Upper  
82 100  
95 7.2 6.0 9.0  
138 19.4 15.0 22.4

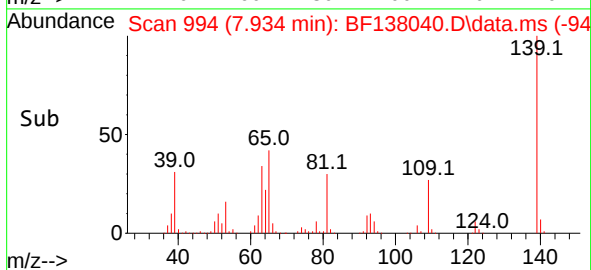
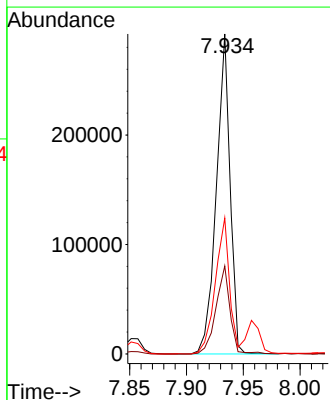
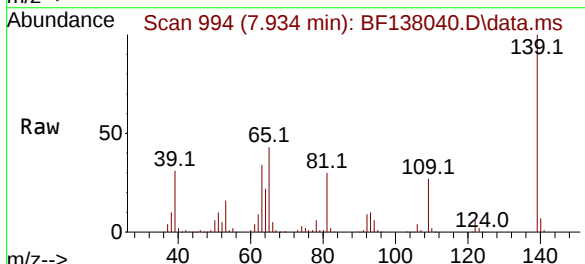
Manual Integrations  
APPROVED

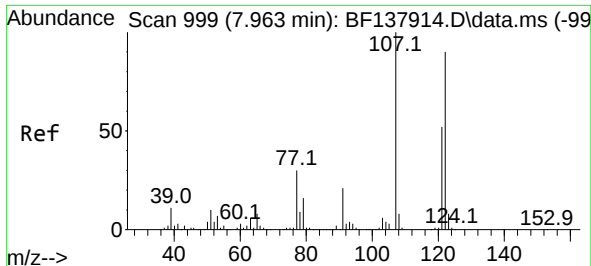
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#26  
2-Nitrophenol  
Concen: 47.793 ng  
RT: 7.934 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:139 Resp: 245918  
Ion Ratio Lower Upper  
139 100  
109 27.5 22.8 34.2  
65 42.5 35.2 52.8





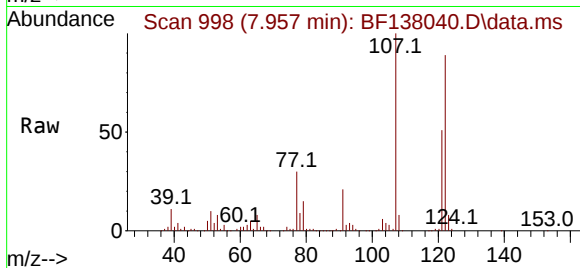
#27  
2,4-Dimethylphenol  
Concen: 49.269 ng  
RT: 7.957 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

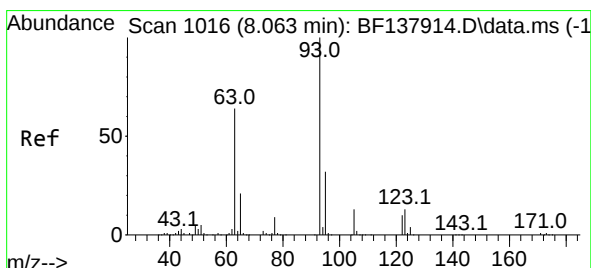
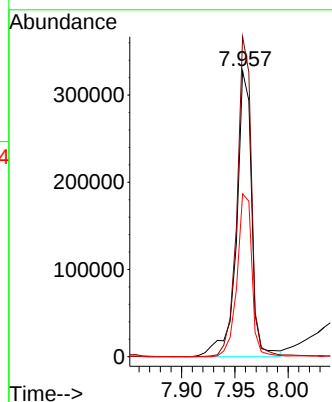
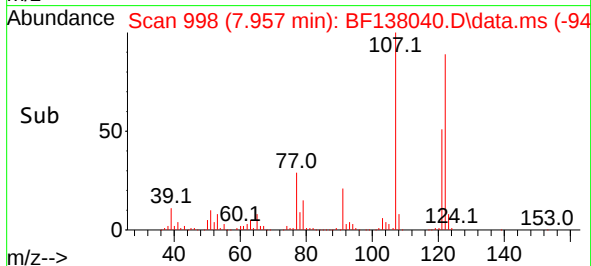


Tgt Ion:122 Resp: 32639  
Ion Ratio Lower Upper  
122 100  
107 112.1 89.0 133.4  
121 57.0 46.2 69.4

Manual Integrations

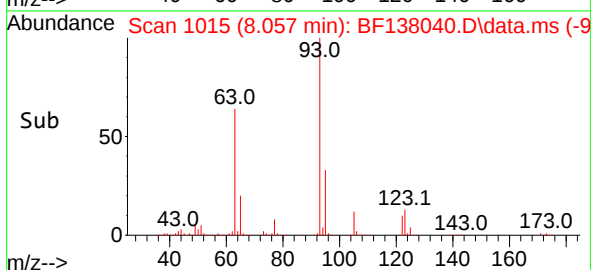
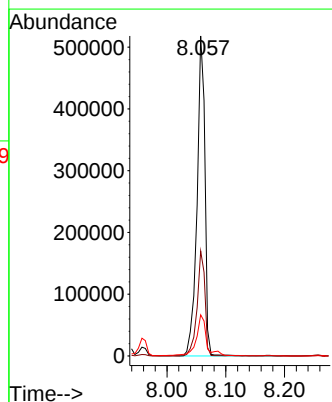
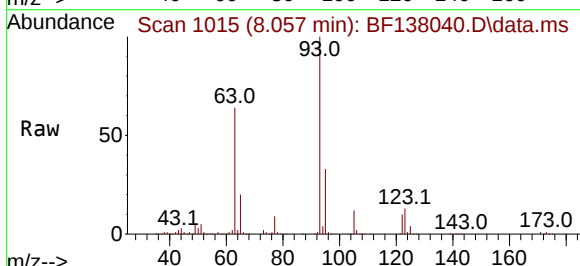
APPROVED

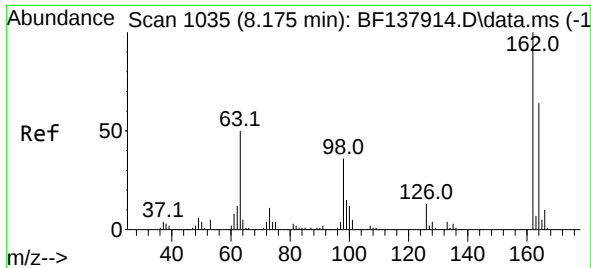
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.853 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion: 93 Resp: 486875  
Ion Ratio Lower Upper  
93 100  
95 32.8 25.9 38.9  
123 12.8 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 46.426 ng

RT: 8.175 min Scan# 1035

Delta R.T. 0.000 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

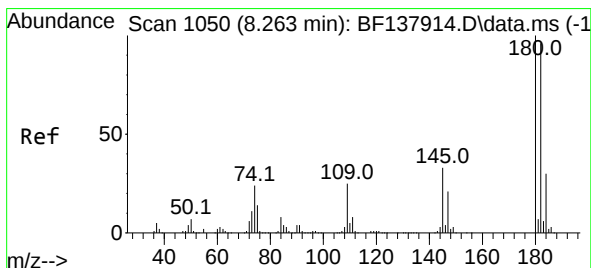
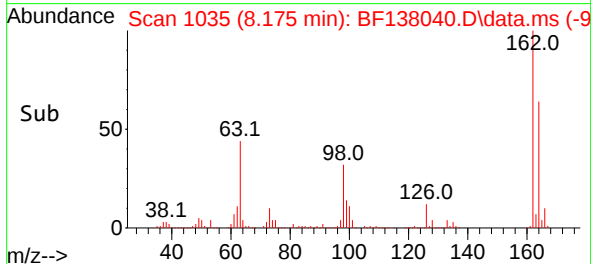
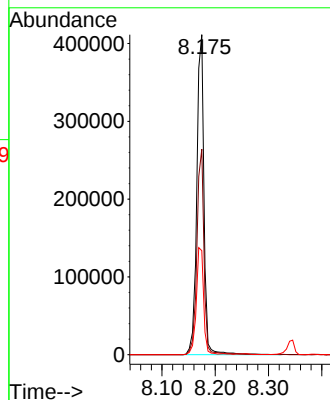
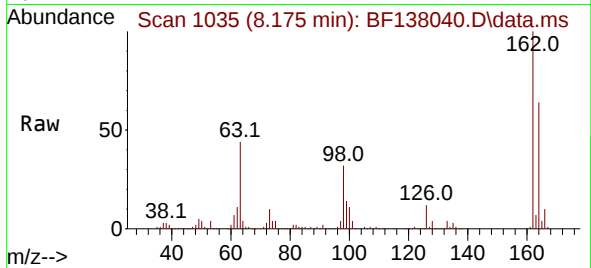
Tgt Ion:162 Resp: 38675

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 64.3  | 44.3  | 84.3  |
| 98  | 32.5  | 15.8  | 55.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#30

1,2,4-Trichlorobenzene

Concen: 44.023 ng

RT: 8.257 min Scan# 1049

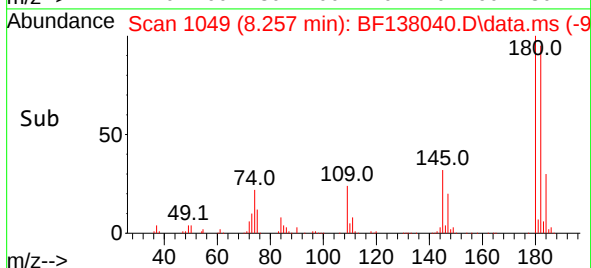
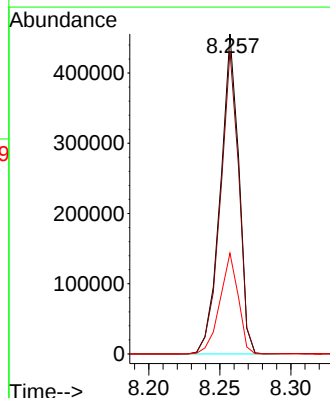
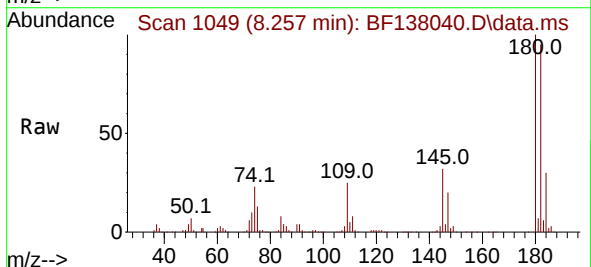
Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Tgt Ion:180 Resp: 409469

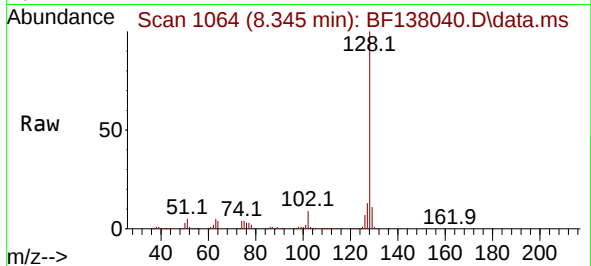
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 94.8  | 76.5  | 114.7 |
| 145 | 31.5  | 26.2  | 39.2  |





#31  
Naphthalene  
Concen: 43.959 ng  
RT: 8.345 min Scan# 1065  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

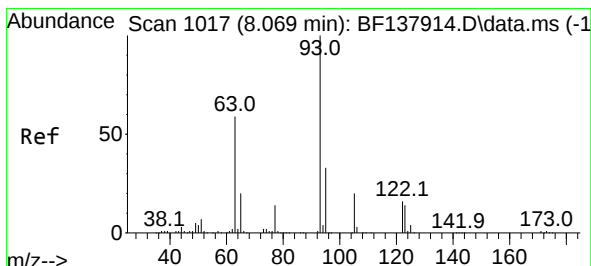
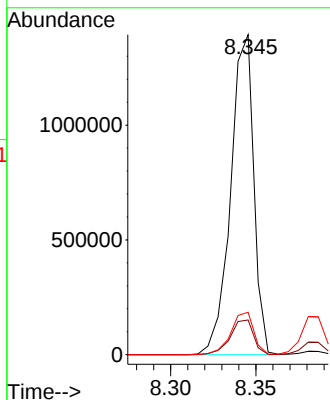
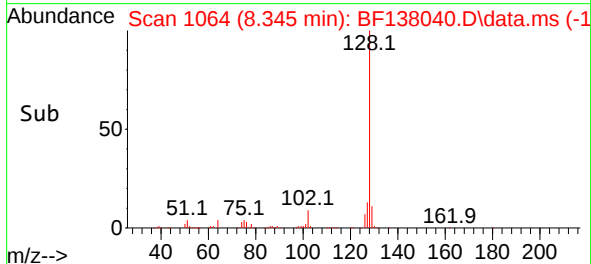
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



Tgt Ion:128 Resp: 131305  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.3 10.6 16.0

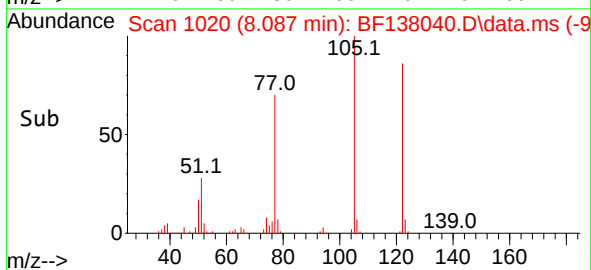
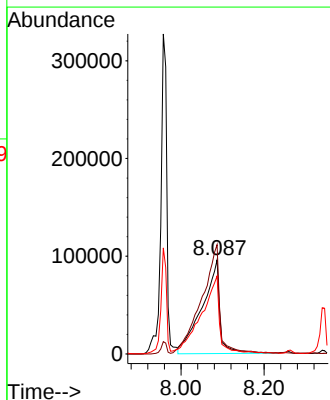
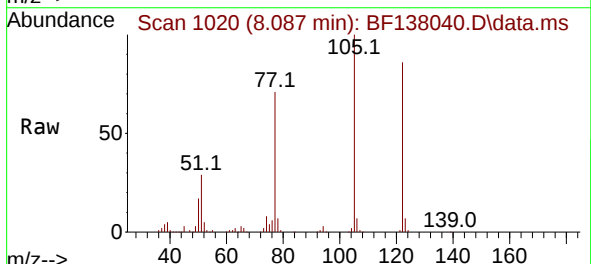
Manual Integrations  
APPROVED

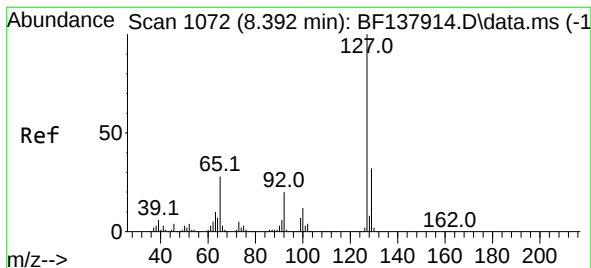
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#32  
Benzoic acid  
Concen: 50.818 ng  
RT: 8.087 min Scan# 1020  
Delta R.T. 0.018 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:122 Resp: 284587  
Ion Ratio Lower Upper  
122 100  
105 116.2 103.8 143.8  
77 82.8 68.4 108.4





#33

4-Chloroaniline

Concen: 17.913 ng

RT: 8.381 min Scan# 1070

Delta R.T. -0.012 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

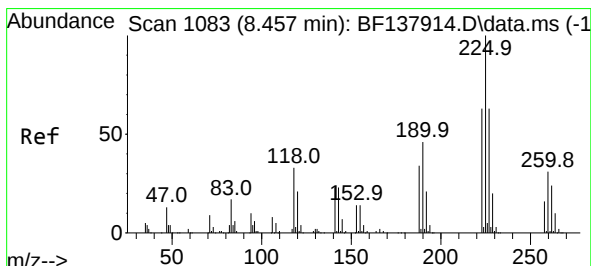
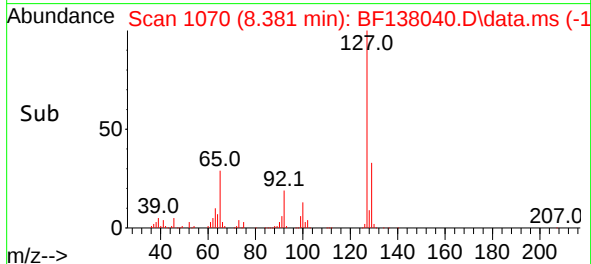
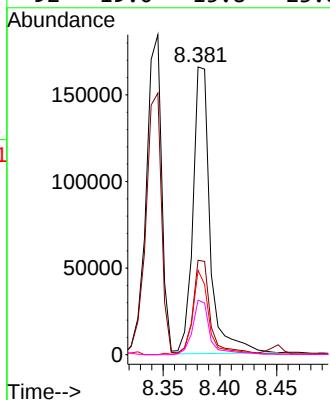
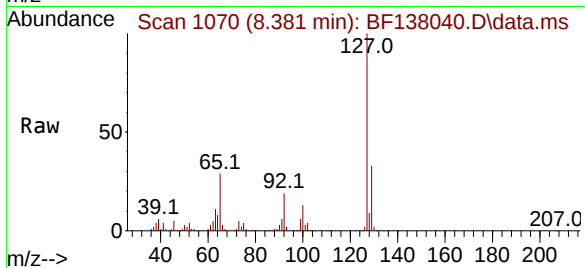
PB161134BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 17540 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.8  | 25.4  | 38.2  |
| 65        | 29.3  | 22.0  | 33.0  |
| 92        | 19.0  | 15.8  | 23.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#34

Hexachlorobutadiene

Concen: 42.588 ng

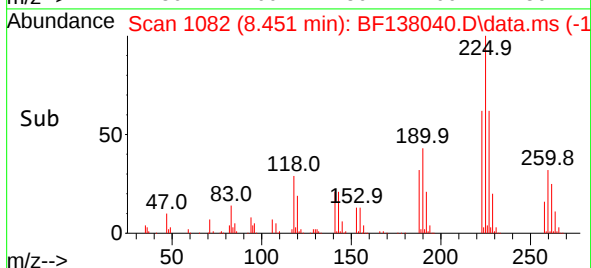
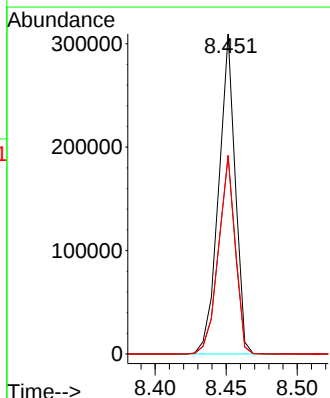
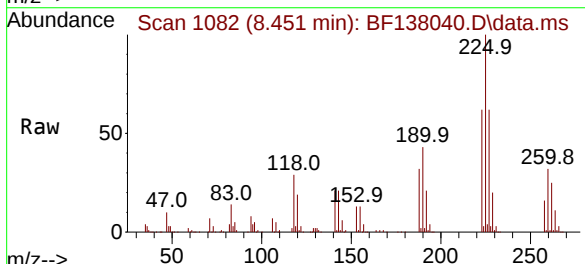
RT: 8.451 min Scan# 1082

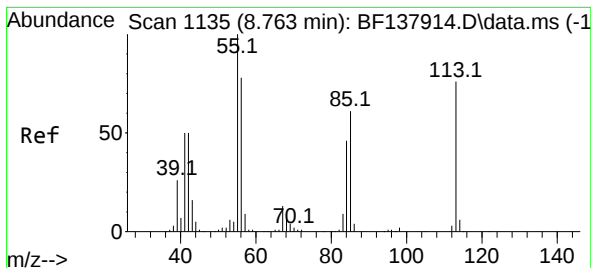
Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 250728 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 61.7  | 50.0  | 75.0   |
| 227       | 62.1  | 50.2  | 75.4   |





#35

Caprolactam

Concen: 50.609 ng m

RT: 8.769 min Scan# 1135

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

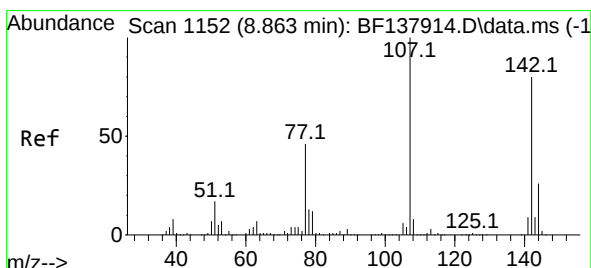
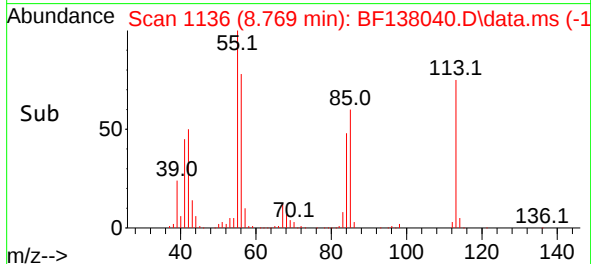
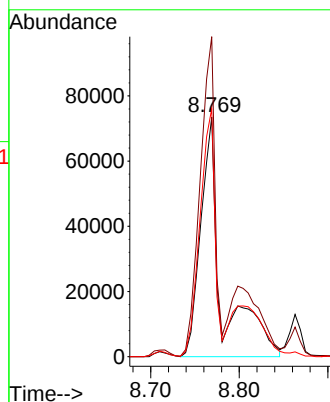
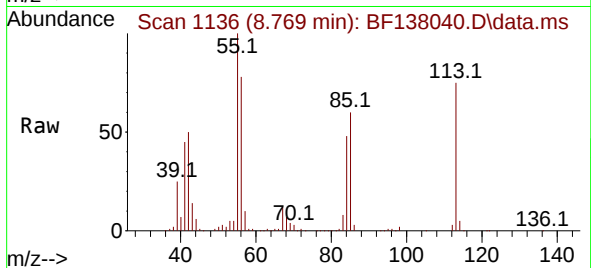
Tgt Ion:113 Resp: 122140

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 55  | 133.6 | 112.3 | 152.3 |
| 56  | 103.5 | 82.7  | 122.7 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#36

4-Chloro-3-methylphenol

Concen: 47.299 ng

RT: 8.863 min Scan# 1152

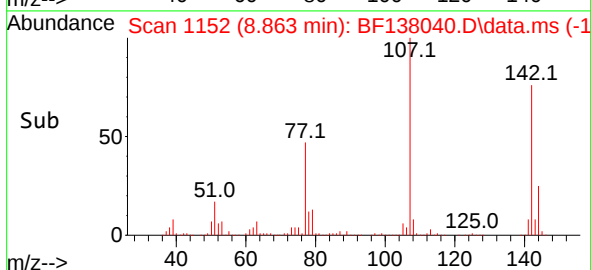
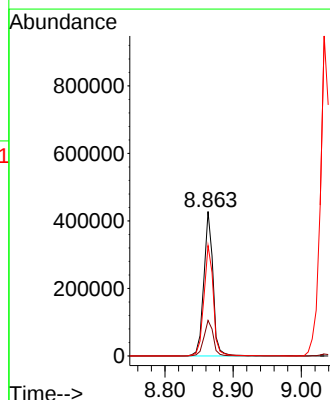
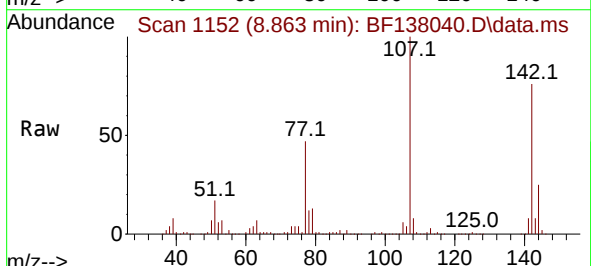
Delta R.T. 0.000 min

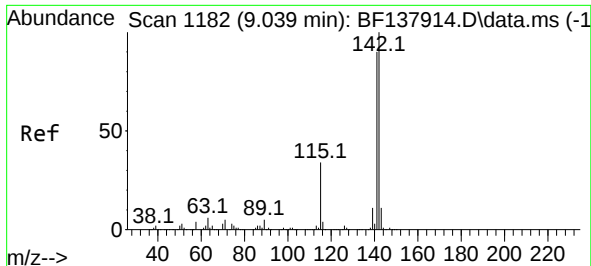
Lab File: BF138040.D

Acq: 28 May 2024 11:38

Tgt Ion:107 Resp: 400830

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 144 | 24.6  | 20.7  | 31.1  |
| 142 | 76.4  | 64.0  | 96.0  |





#37

2-Methylnaphthalene

Concen: 44.919 ng

RT: 9.034 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:142 Resp: 862449

Ion Ratio Lower Upper

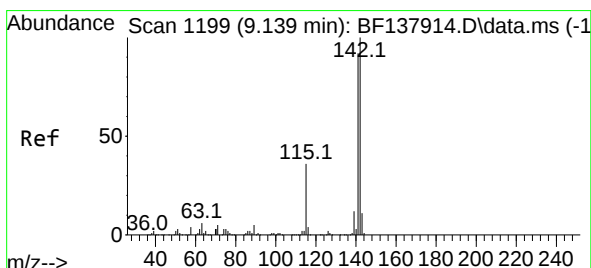
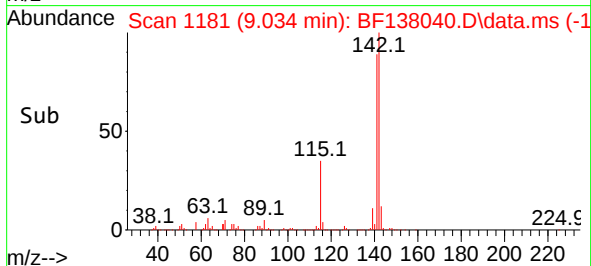
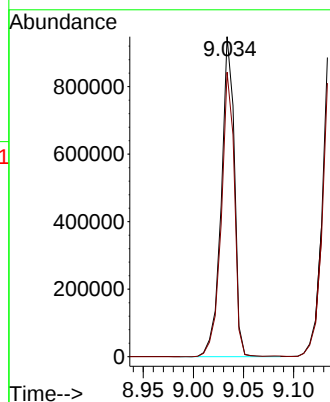
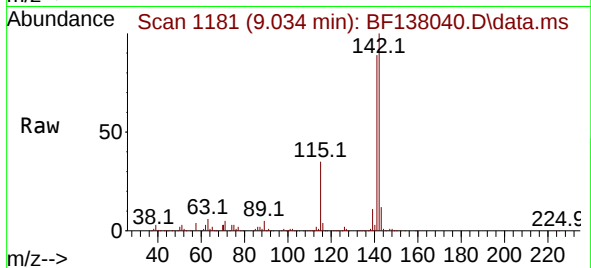
142 100

141 88.9 72.0 108.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#38

1-Methylnaphthalene

Concen: 42.573 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF138040.D

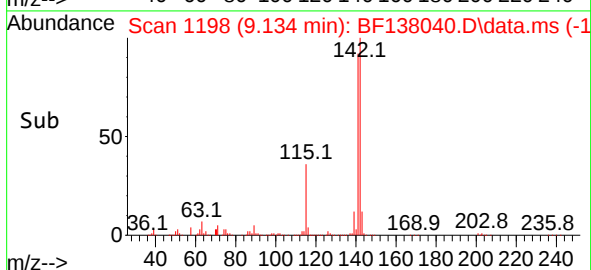
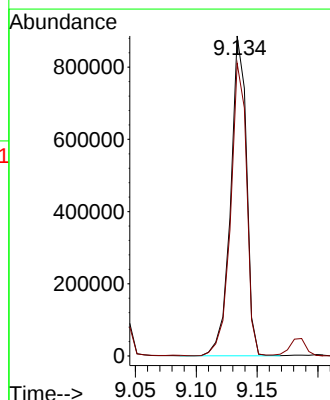
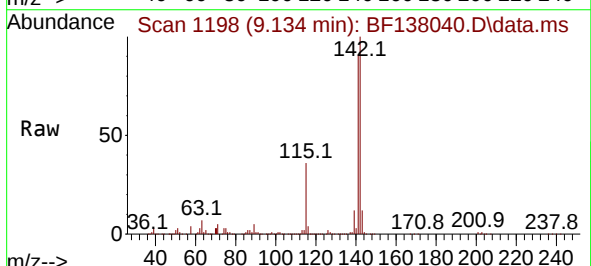
Acq: 28 May 2024 11:38

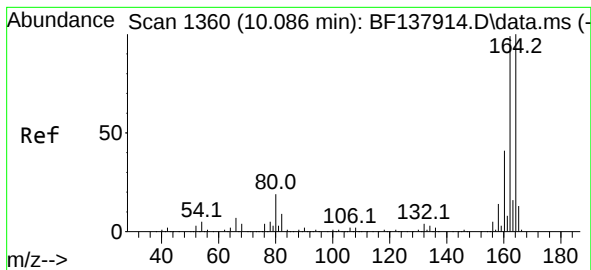
Tgt Ion:142 Resp: 803605

Ion Ratio Lower Upper

142 100

141 91.5 73.7 110.5





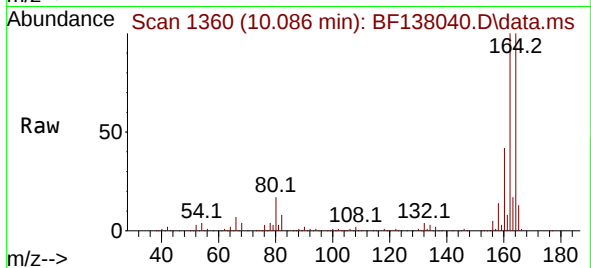
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.086 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

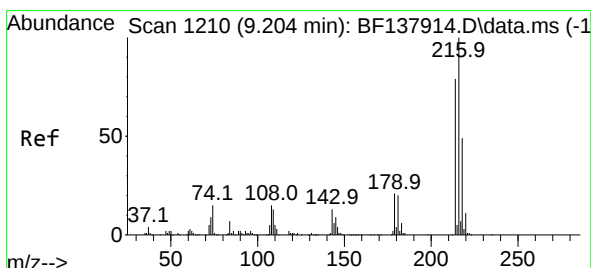
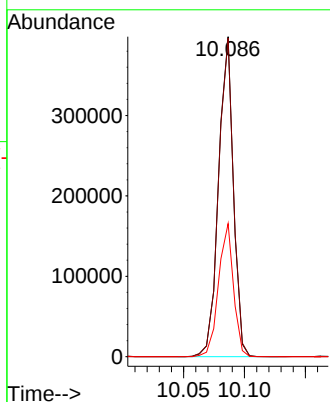
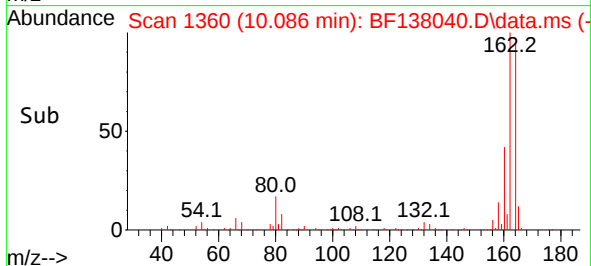


Tgt Ion:164 Resp: 33753  
Ion Ratio Lower Upper  
164 100  
162 99.5 79.4 119.2  
160 41.6 33.1 49.7

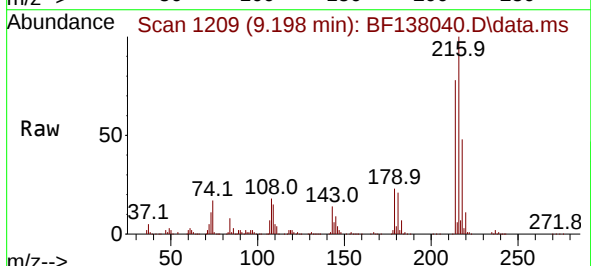
Manual Integrations

APPROVED

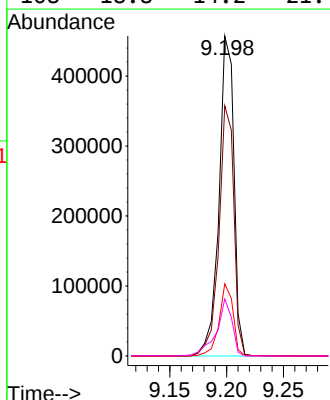
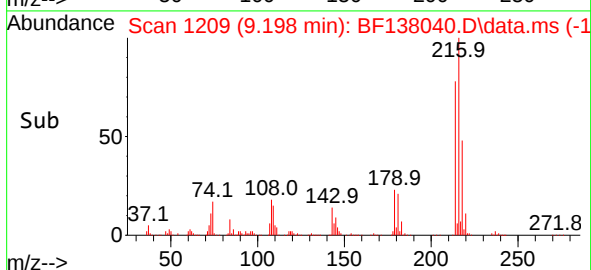
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

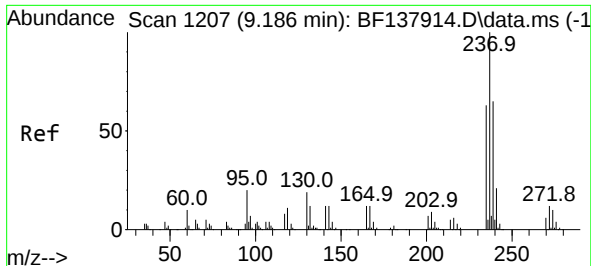


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.670 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:216 Resp: 419080  
Ion Ratio Lower Upper  
216 100  
214 78.0 63.4 95.2  
179 21.1 17.0 25.4  
108 18.8 14.2 21.4





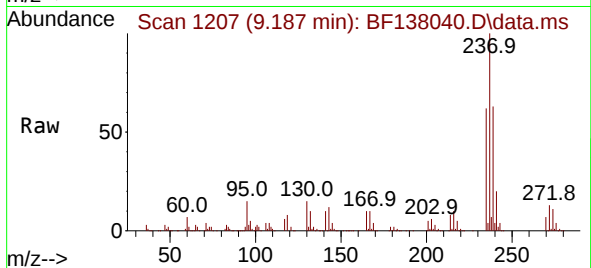
#41  
Hexachlorocyclopentadiene  
Concen: 118.239 ng  
RT: 9.187 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

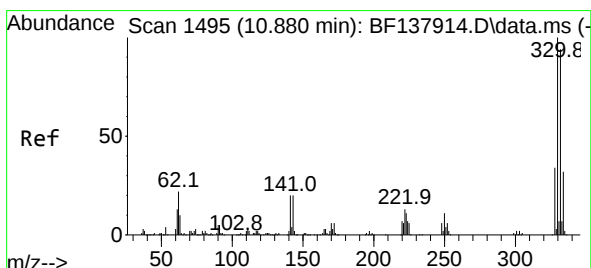
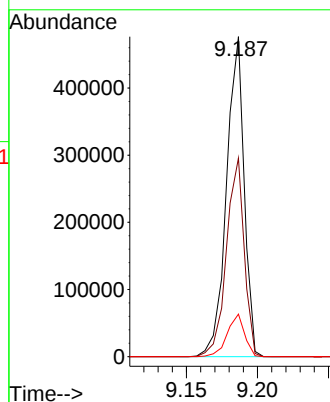
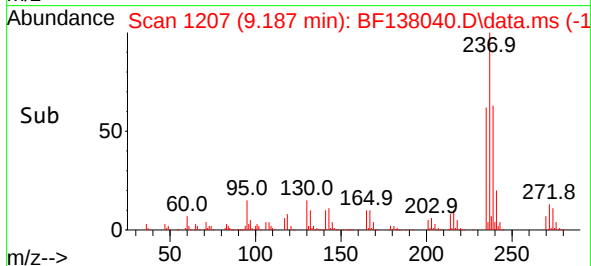


Tgt Ion:237 Resp: 412260  
Ion Ratio Lower Upper  
237 100  
235 62.0 42.8 82.8  
272 13.3 0.0 32.0

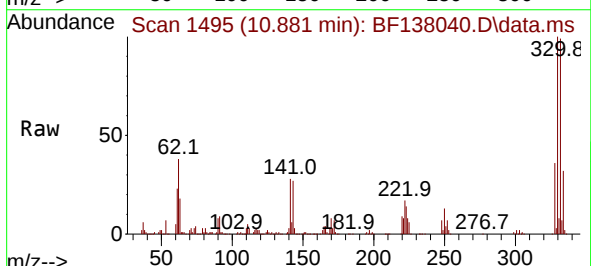
Manual Integrations

APPROVED

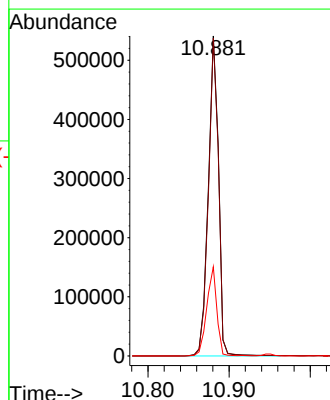
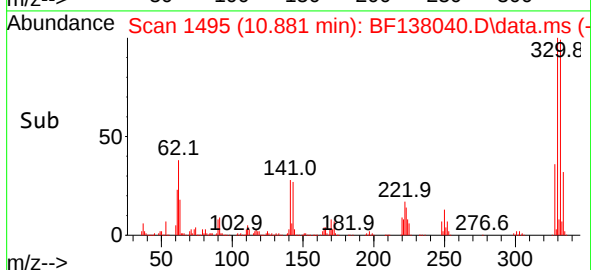
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

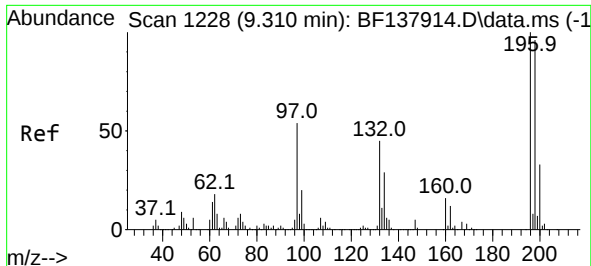


#42  
2,4,6-Tribromophenol  
Concen: 138.648 ng  
RT: 10.881 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:330 Resp: 471863  
Ion Ratio Lower Upper  
330 100  
332 97.9 75.8 113.8  
141 27.5 23.8 35.6





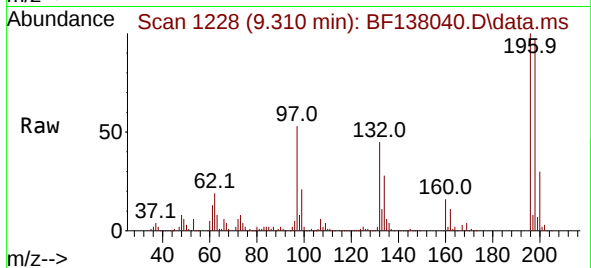
#43  
2,4,6-Trichlorophenol  
Concen: 47.209 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

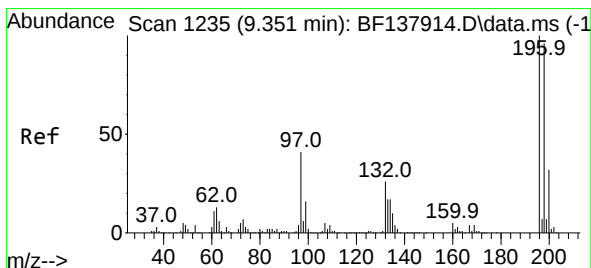
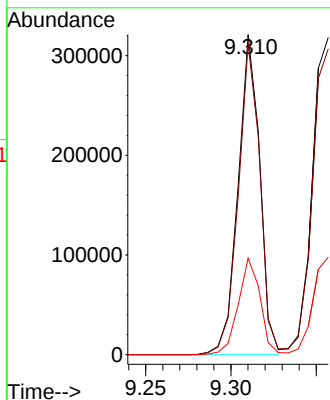
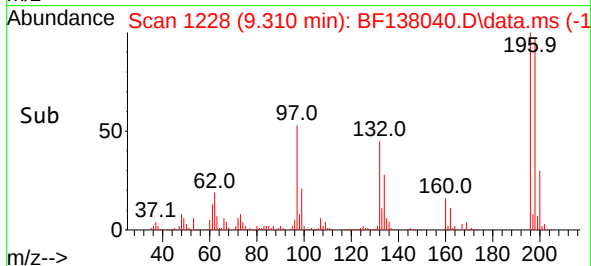


Tgt Ion:196 Resp: 284038  
Ion Ratio Lower Upper  
196 100  
198 97.2 77.0 115.4  
200 30.1 26.2 39.2

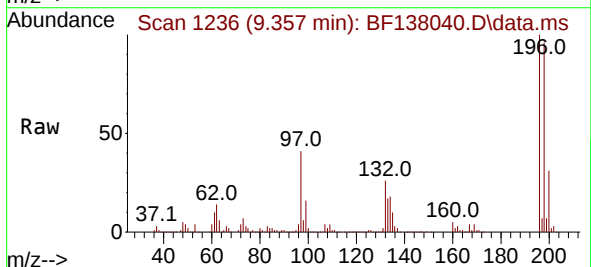
Manual Integrations

APPROVED

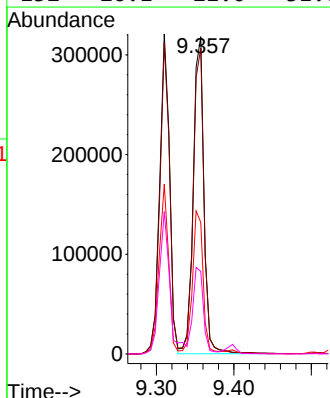
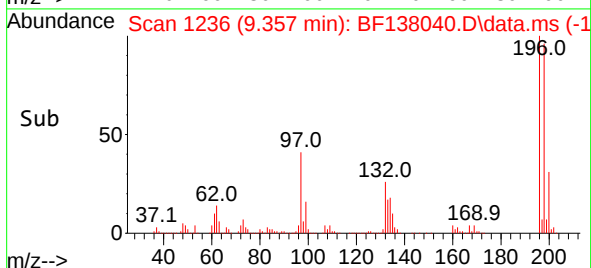
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

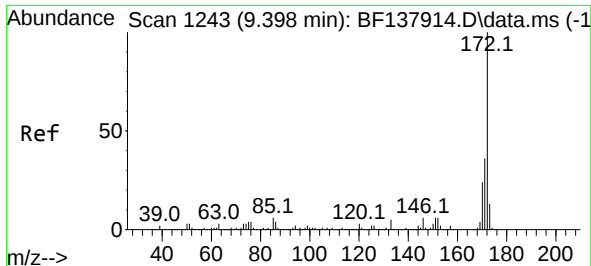


#44  
2,4,5-Trichlorophenol  
Concen: 46.523 ng  
RT: 9.357 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:196 Resp: 306267  
Ion Ratio Lower Upper  
196 100  
198 96.4 77.4 116.0  
97 41.4 32.9 49.3  
132 26.1 21.0 31.6





#45  
2-Fluorobiphenyl  
Concen: 82.528 ng  
RT: 9.398 min Scan# 1243  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

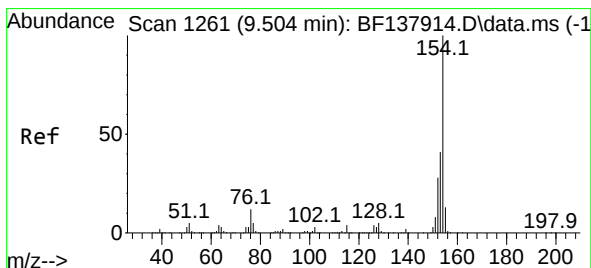
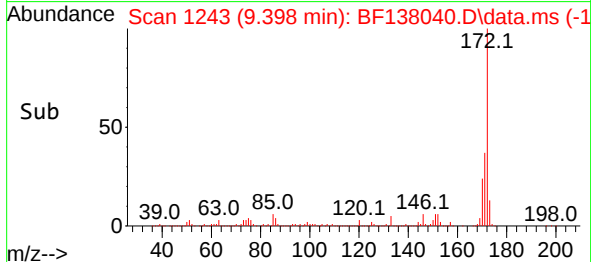
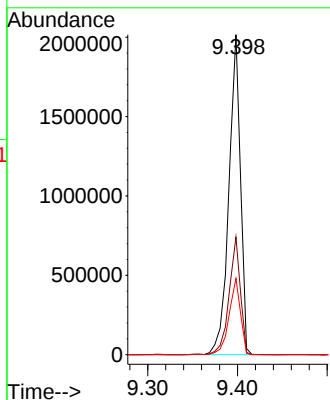
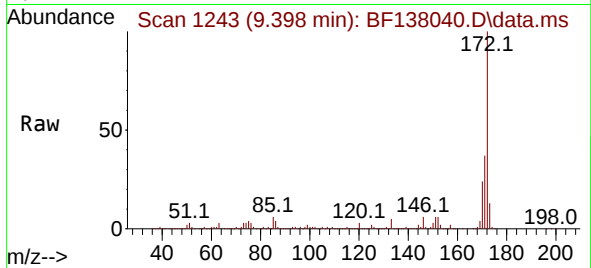
PB161134BS

Tgt Ion:172 Resp: 180835  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.9 43.3  
170 23.9 18.9 28.3

Manual Integrations

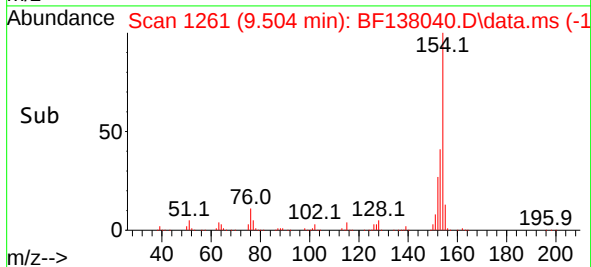
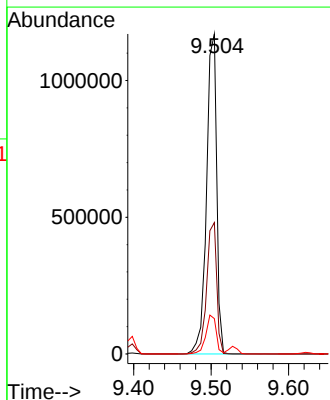
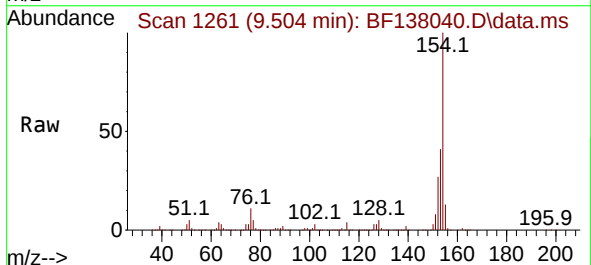
APPROVED

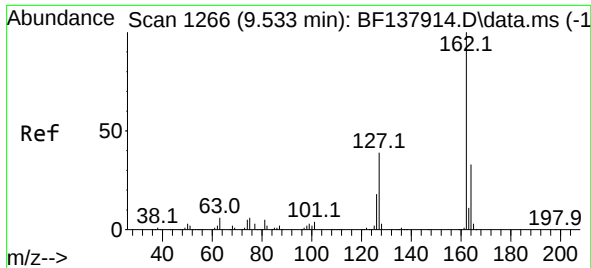
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#46  
1,1'-Biphenyl  
Concen: 44.869 ng  
RT: 9.504 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:154 Resp: 1062222  
Ion Ratio Lower Upper  
154 100  
153 41.0 21.3 61.3  
76 11.0 0.0 31.9





#47

2-Chloronaphthalene

Concen: 43.679 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:162 Resp: 825452

Ion Ratio Lower Upper

162 100

127 42.6 32.0 48.0

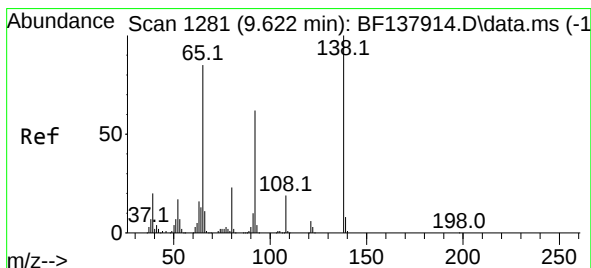
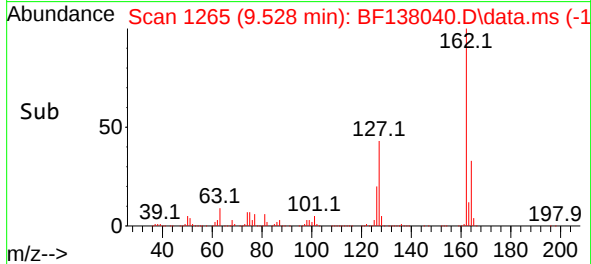
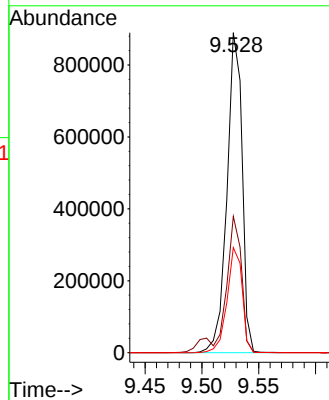
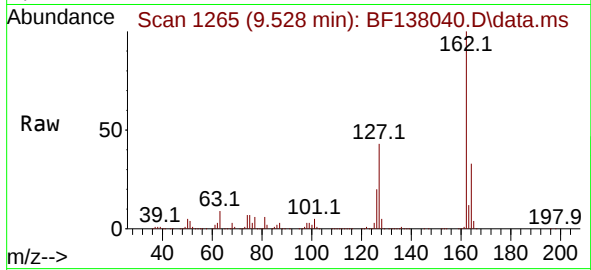
164 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024

Supervised By :mohammad ahmed 05/30/2024



#48

2-Nitroaniline

Concen: 46.735 ng

RT: 9.622 min Scan# 1281

Delta R.T. 0.000 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

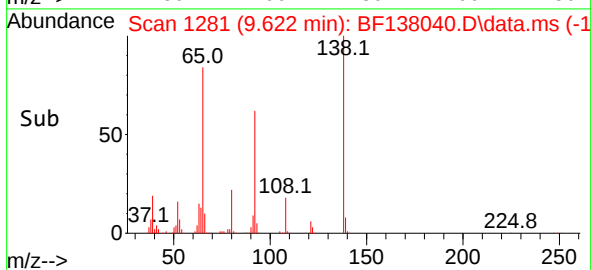
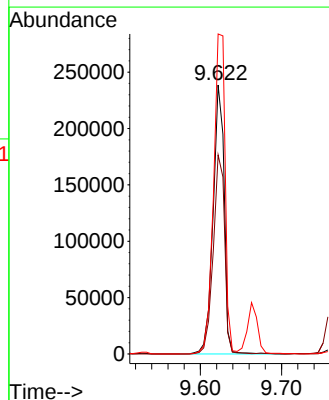
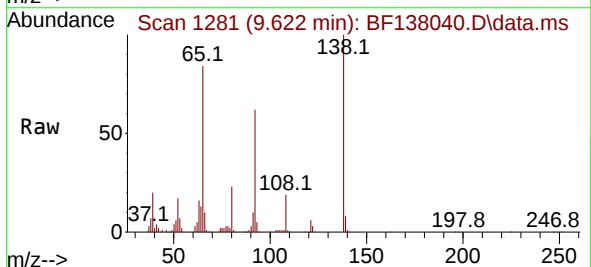
Tgt Ion: 65 Resp: 226168

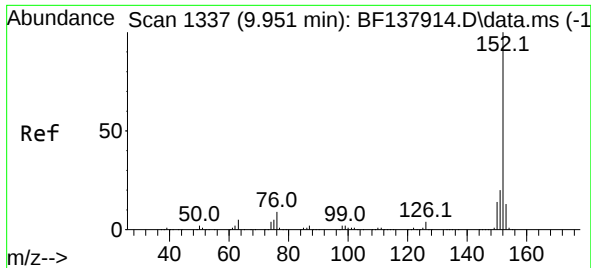
Ion Ratio Lower Upper

65 100

92 74.0 58.6 88.0

138 119.0 94.1 141.1





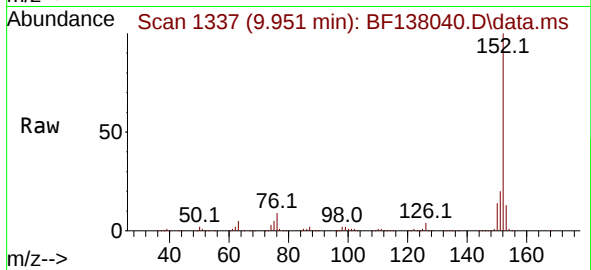
#49  
Acenaphthylene  
Concen: 48.198 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

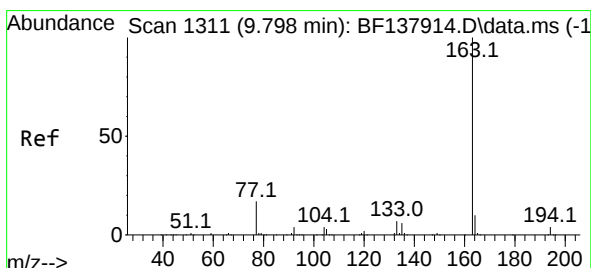
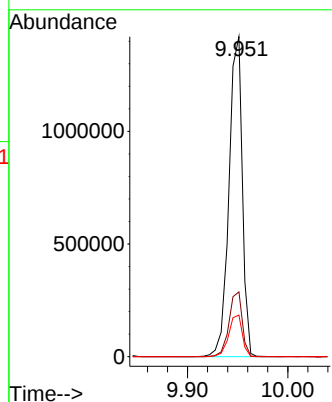
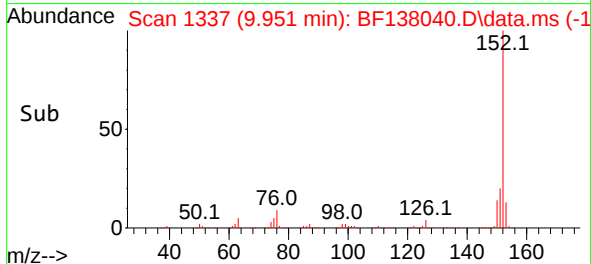


Tgt Ion:152 Resp: 1309699  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.8 23.8  
153 13.0 10.2 15.4

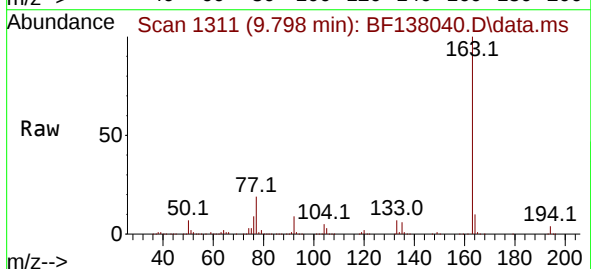
Manual Integrations

APPROVED

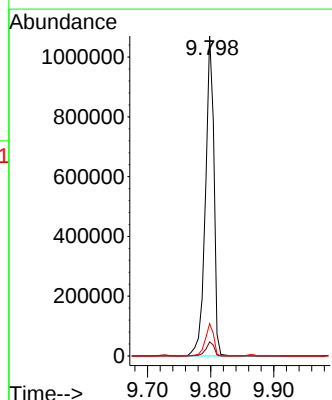
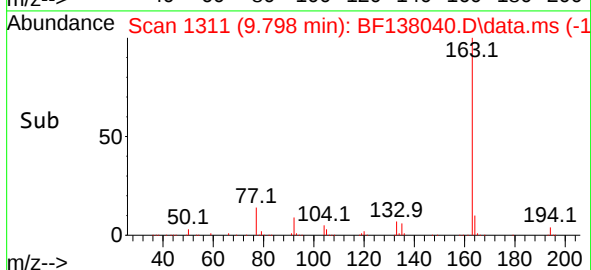
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

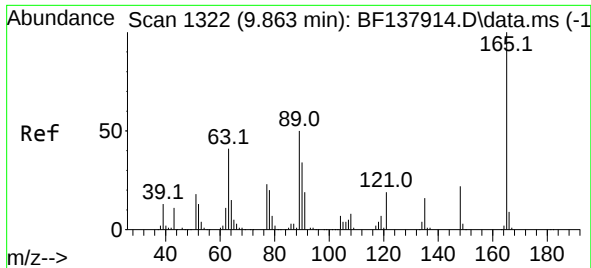


#50  
Dimethylphthalate  
Concen: 47.042 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:163 Resp: 995692  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.4 5.0  
164 10.1 8.0 12.0





#51  
2,6-Dinitrotoluene  
Concen: 45.818 ng  
RT: 9.863 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

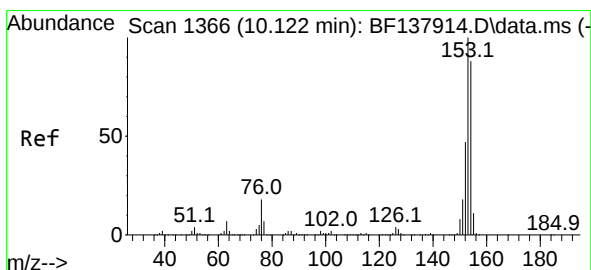
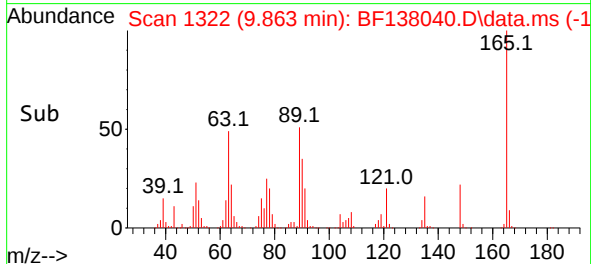
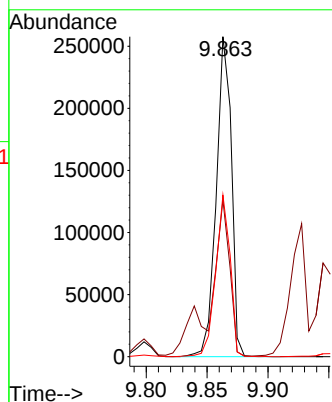
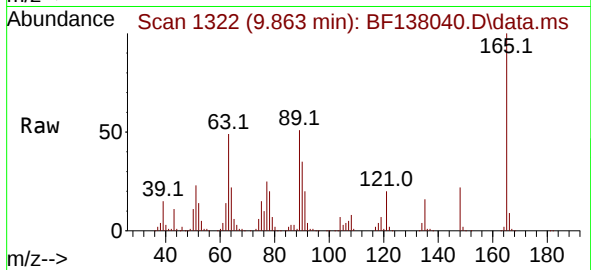
PB161134BS

Tgt Ion:165 Resp: 222579  
Ion Ratio Lower Upper  
165 100  
63 49.0 38.9 58.3  
89 50.5 40.4 60.6

Manual Integrations

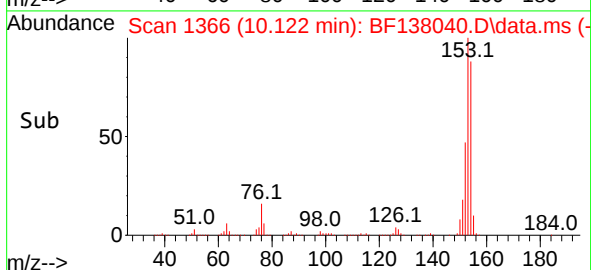
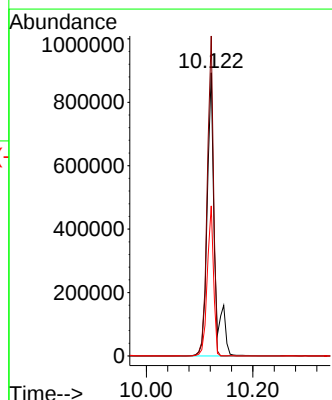
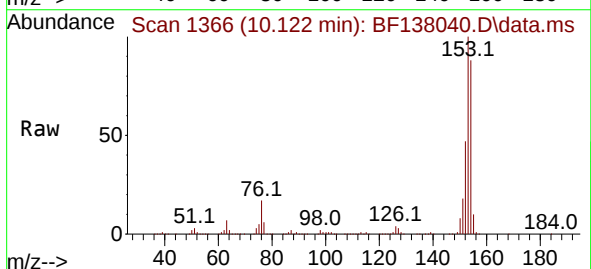
APPROVED

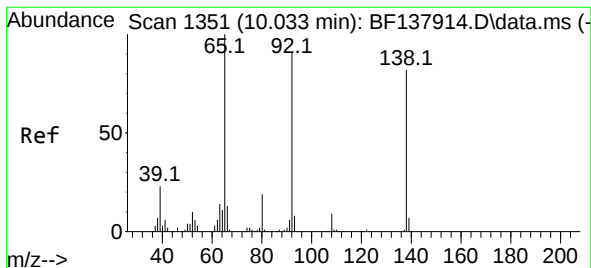
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#52  
Acenaphthene  
Concen: 49.058 ng  
RT: 10.122 min Scan# 1366  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

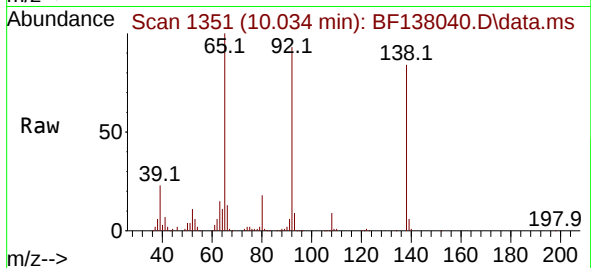
Tgt Ion:154 Resp: 881072  
Ion Ratio Lower Upper  
154 100  
153 113.0 90.4 135.6  
152 53.0 42.3 63.5





#53  
3-Nitroaniline  
Concen: 32.063 ng  
RT: 10.034 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

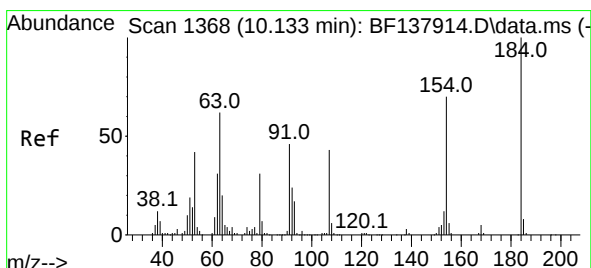
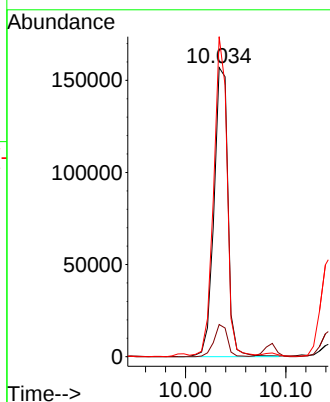
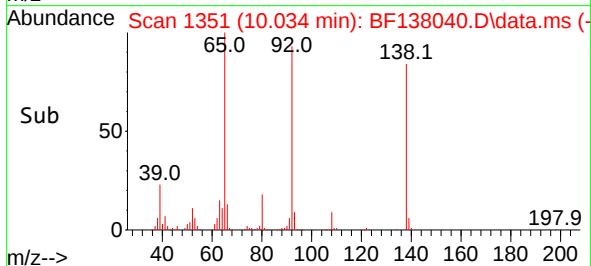
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



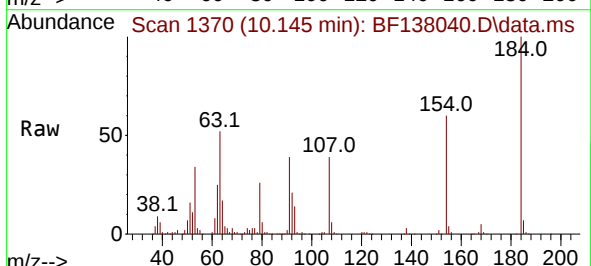
Tgt Ion:138 Resp: 15227  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.8 13.2  
92 110.7 88.6 133.0

Manual Integrations  
APPROVED

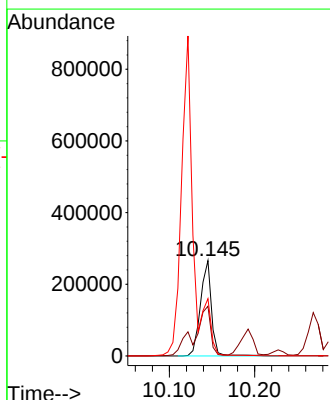
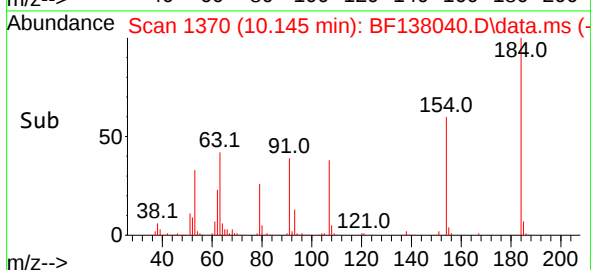
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

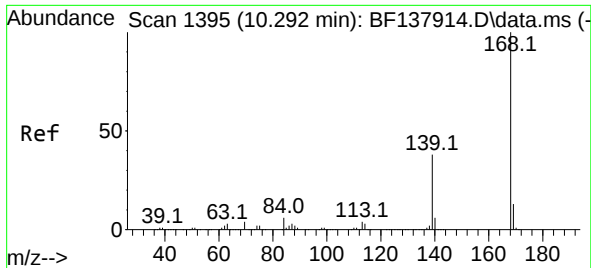


#54  
2,4-Dinitrophenol  
Concen: 90.229 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. 0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



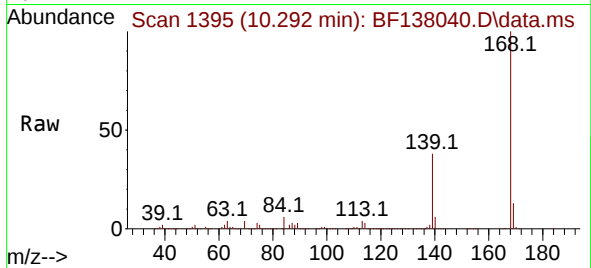
Tgt Ion:184 Resp: 239360  
Ion Ratio Lower Upper  
184 100  
63 52.2 50.4 75.6  
154 60.0 63.7 95.5#





#55  
Dibenzenofuran  
Concen: 45.319 ng  
RT: 10.292 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

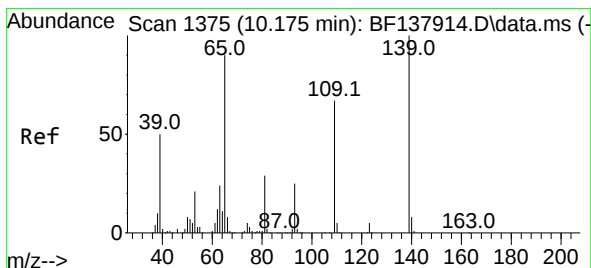
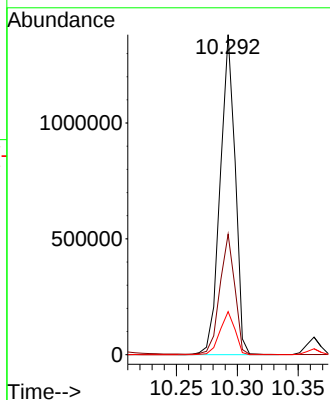
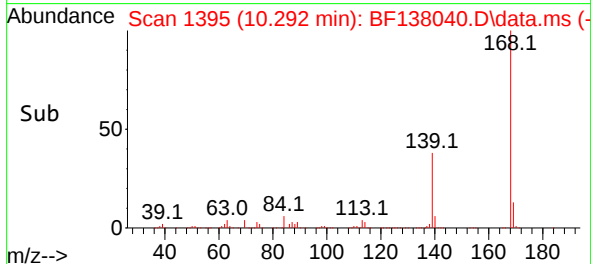
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



Tgt Ion:168 Resp: 1184524  
Ion Ratio Lower Upper  
168 100  
139 37.7 30.4 45.6  
169 13.4 10.5 15.7

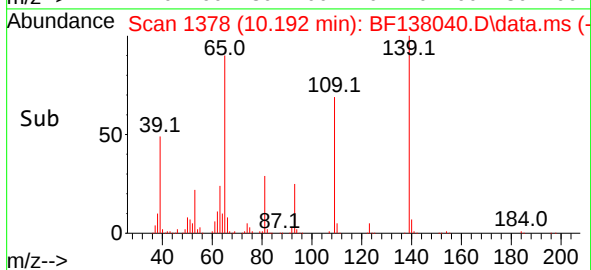
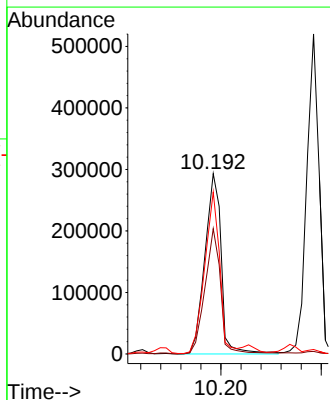
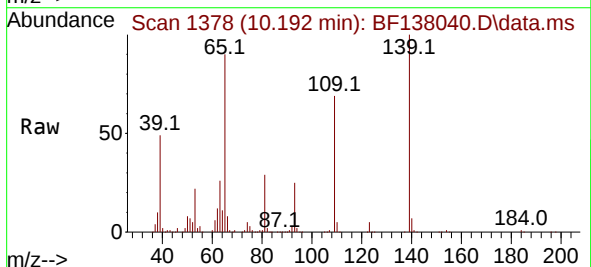
Manual Integrations  
APPROVED

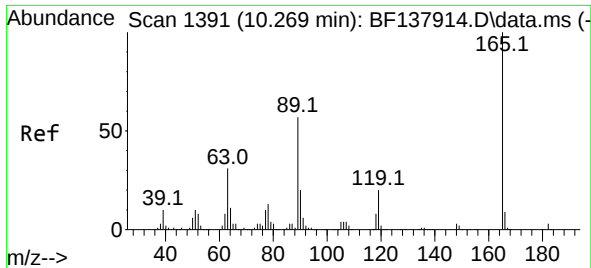
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#56  
4-Nitrophenol  
Concen: 97.742 ng  
RT: 10.192 min Scan# 1378  
Delta R.T. 0.018 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:139 Resp: 333391  
Ion Ratio Lower Upper  
139 100  
109 69.5 46.5 86.5  
65 89.9 70.4 110.4





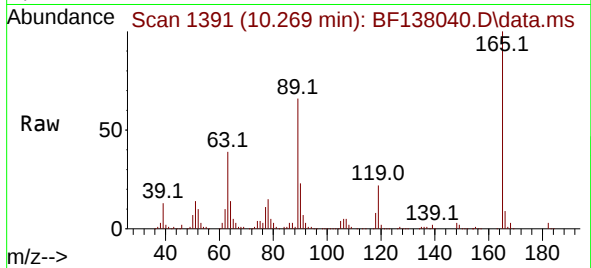
#57  
2,4-Dinitrotoluene  
Concen: 47.327 ng  
RT: 10.269 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

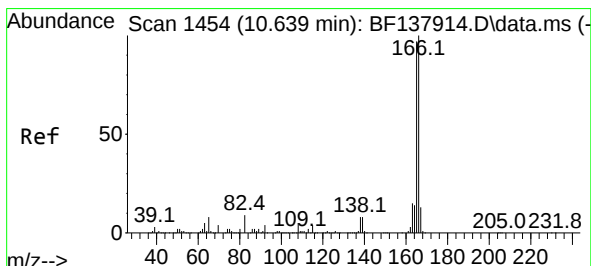
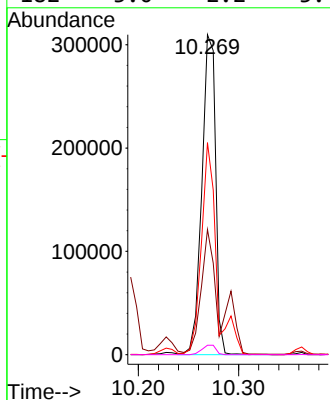
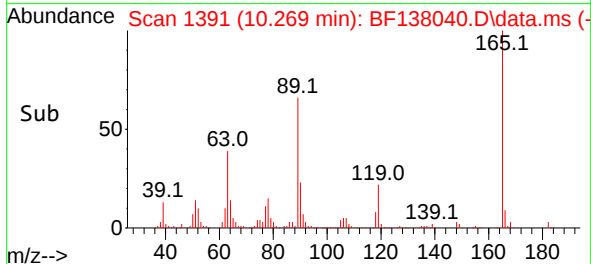


Tgt Ion:165 Resp: 297218  
Ion Ratio Lower Upper  
165 100  
63 39.1 25.3 37.9  
89 66.3 45.9 68.9  
182 3.0 2.2 3.4

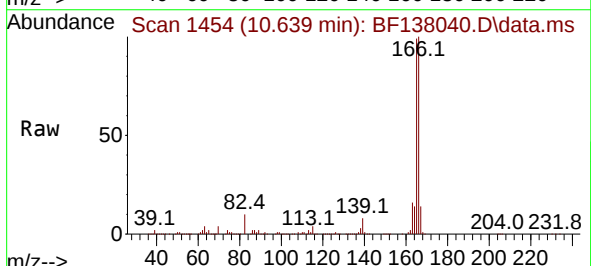
Manual Integrations

APPROVED

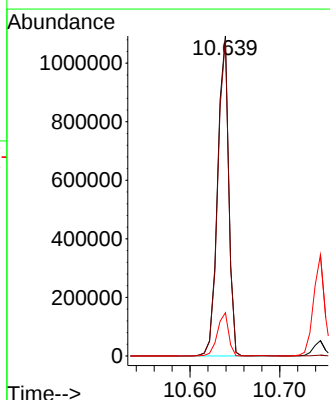
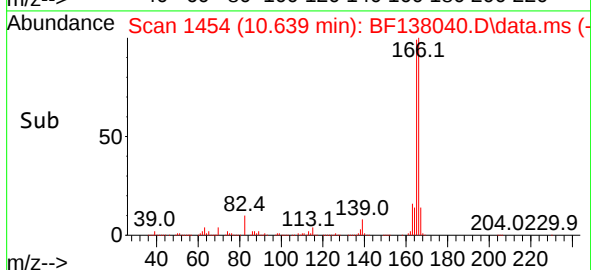
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

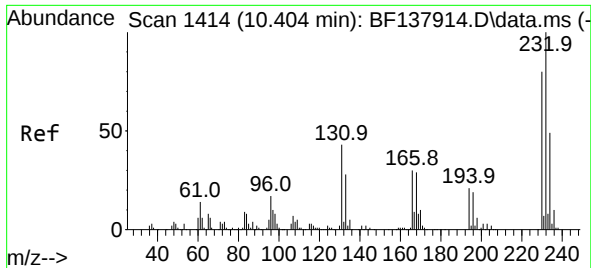


#58  
Fluorene  
Concen: 45.365 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



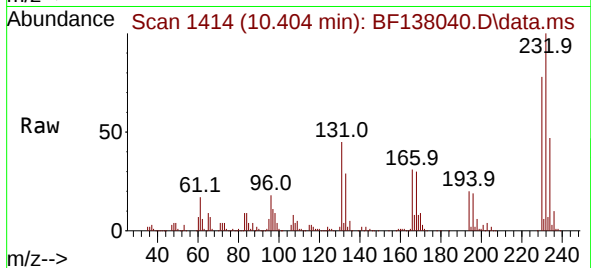
Tgt Ion:166 Resp: 937870  
Ion Ratio Lower Upper  
166 100  
165 99.0 77.8 116.8  
167 13.5 10.4 15.6





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.229 ng  
RT: 10.404 min Scan# 1414  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

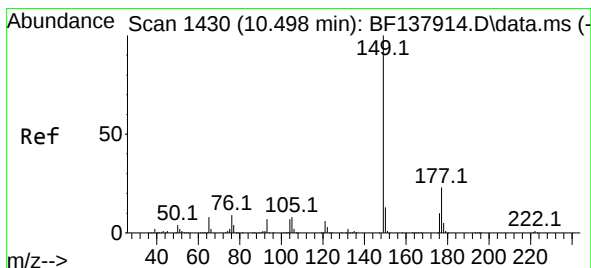
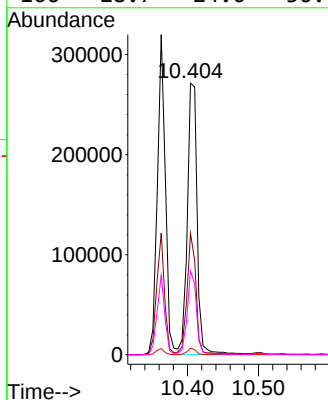
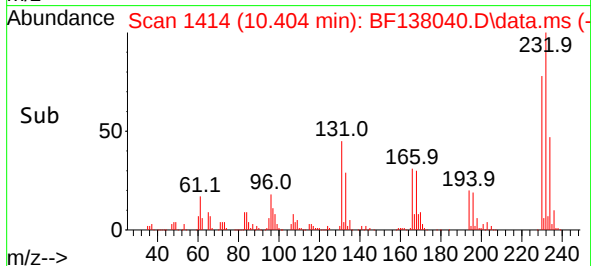
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



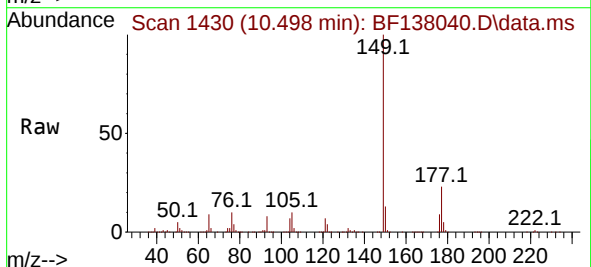
Tgt Ion:232 Resp: 25976  
Ion Ratio Lower Upper  
232 100  
131 40.7 34.4 51.6  
130 2.1 1.7 2.5  
166 28.7 24.0 36.0

Manual Integrations  
APPROVED

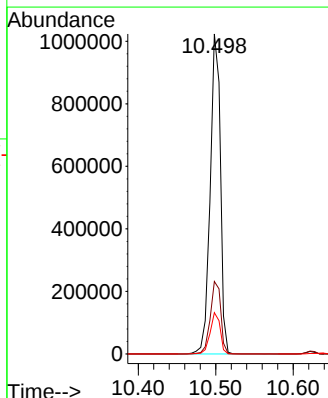
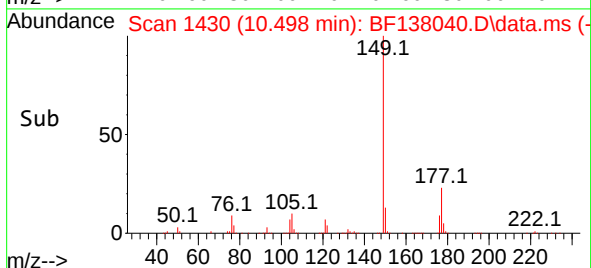
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

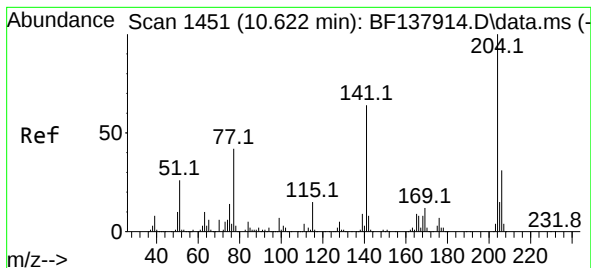


#60  
Diethylphthalate  
Concen: 47.254 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



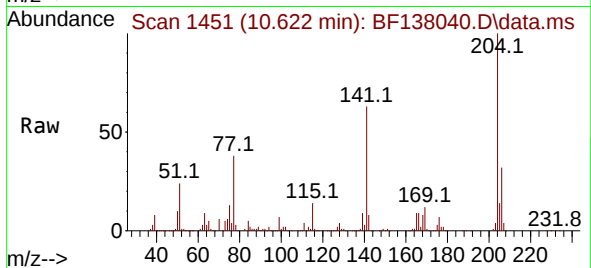
Tgt Ion:149 Resp: 934100  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.4 27.6  
150 12.9 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 45.910 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

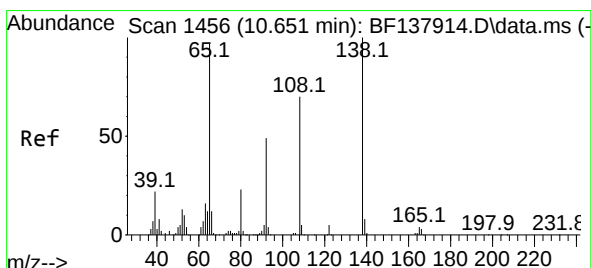
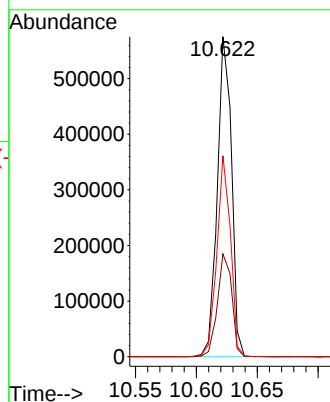
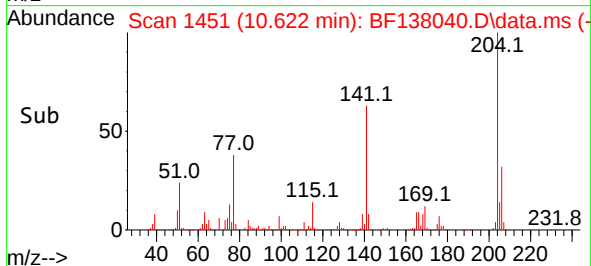
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



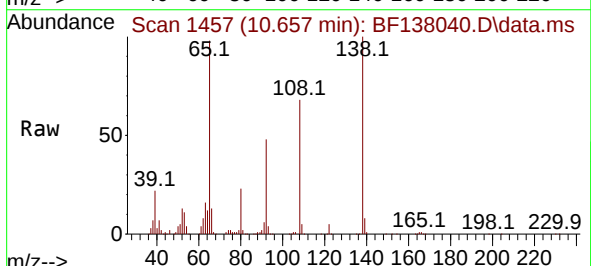
Tgt Ion:204 Resp: 46806  
Ion Ratio Lower Upper  
204 100  
206 32.1 25.1 37.7  
141 62.8 51.0 76.6

Manual Integrations  
APPROVED

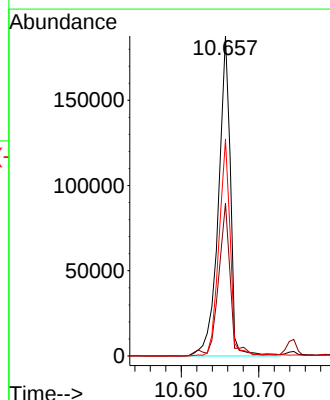
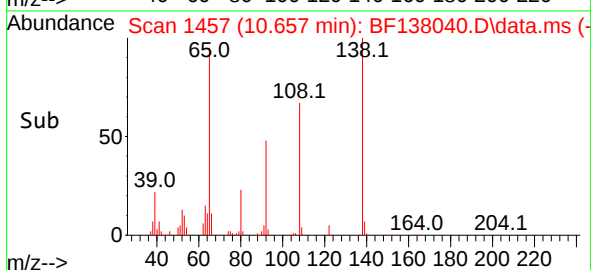
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

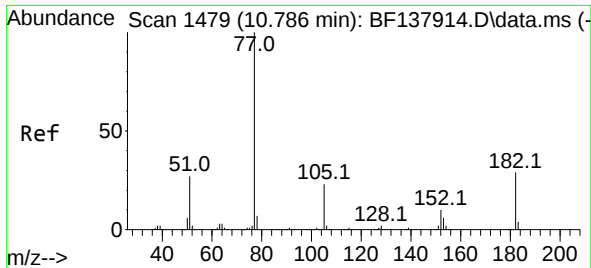


#62  
4-Nitroaniline  
Concen: 44.878 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:138 Resp: 202148  
Ion Ratio Lower Upper  
138 100  
92 47.8 29.0 69.0  
108 67.6 49.7 89.7





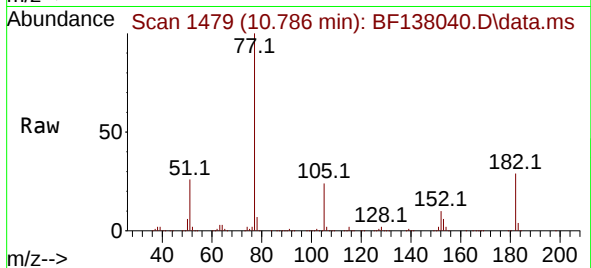
#63  
Azobenzene  
Concen: 46.555 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

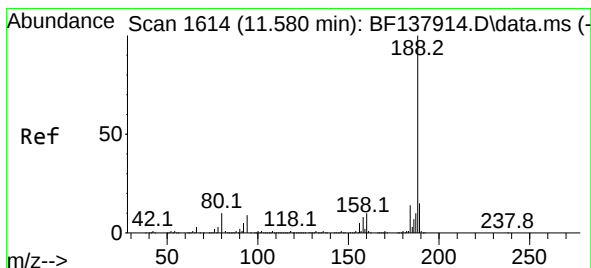
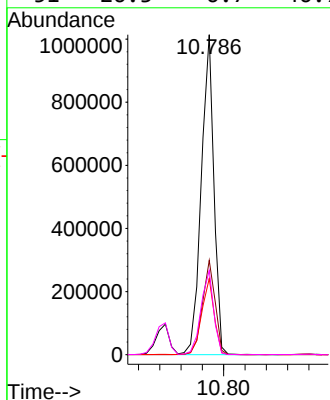
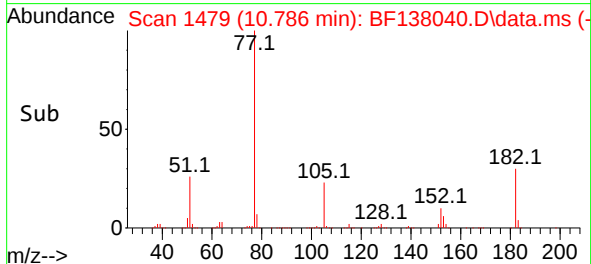


Tgt Ion: 77 Resp: 837080  
Ion Ratio Lower Upper  
77 100  
182 29.5 9.2 49.2  
105 23.8 3.1 43.1  
51 26.3 6.7 46.7

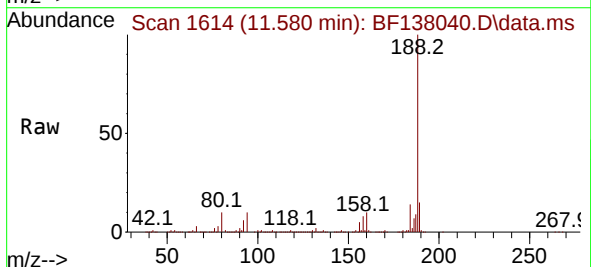
Manual Integrations

APPROVED

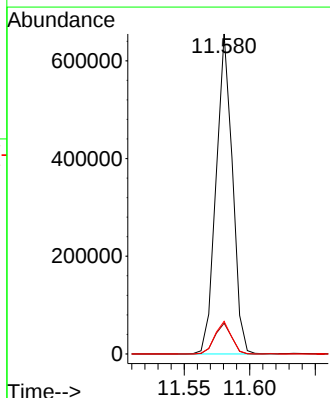
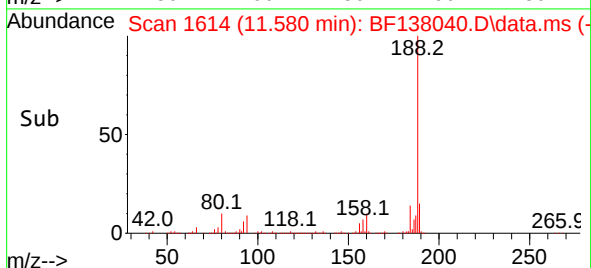
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

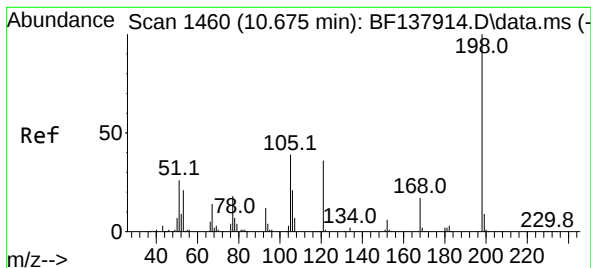


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.580 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:188 Resp: 567544  
Ion Ratio Lower Upper  
188 100  
94 9.6 7.0 10.4  
80 10.2 7.7 11.5





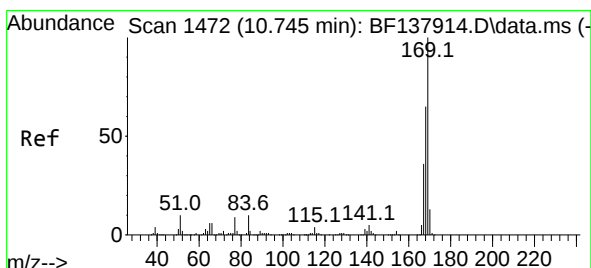
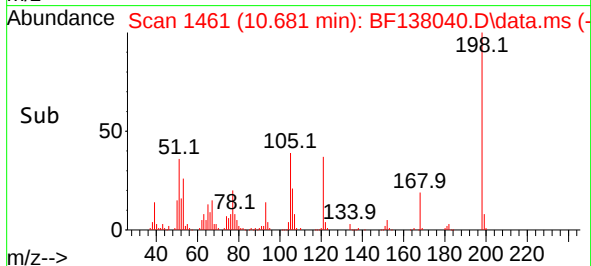
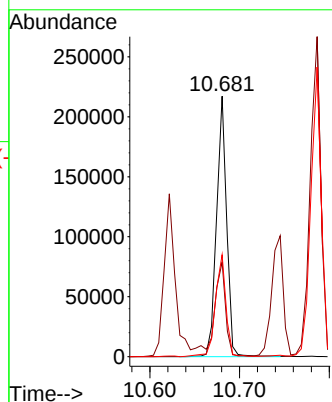
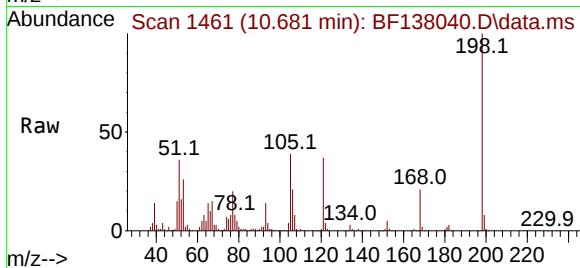
#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.796 ng  
RT: 10.681 min Scan# 1461  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS

Tgt Ion:198 Resp: 169730  
Ion Ratio Lower Upper  
198 100  
51 36.3 13.8 53.8  
105 39.1 19.0 59.0

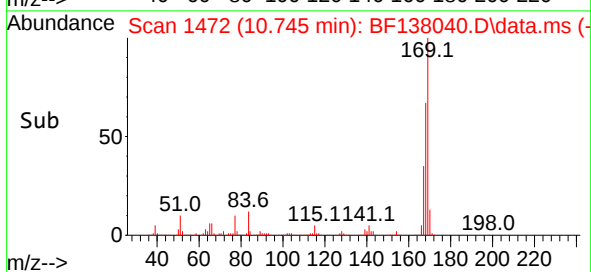
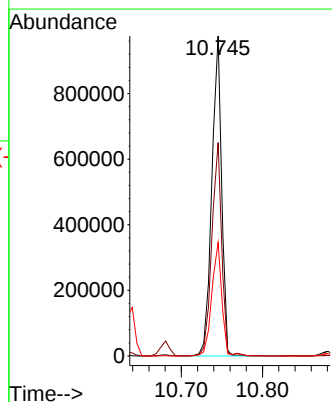
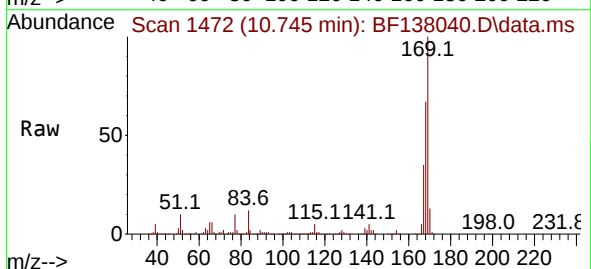
Manual Integrations  
APPROVED

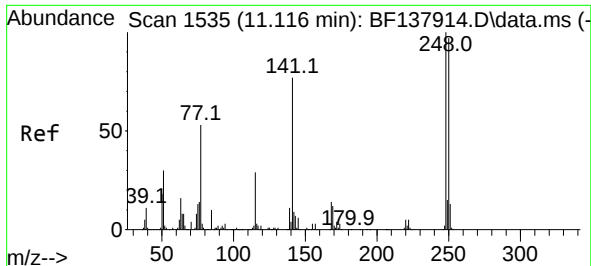
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#66  
n-Nitrosodiphenylamine  
Concen: 46.805 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:169 Resp: 814637  
Ion Ratio Lower Upper  
169 100  
168 66.7 52.4 78.6  
167 35.5 28.9 43.3





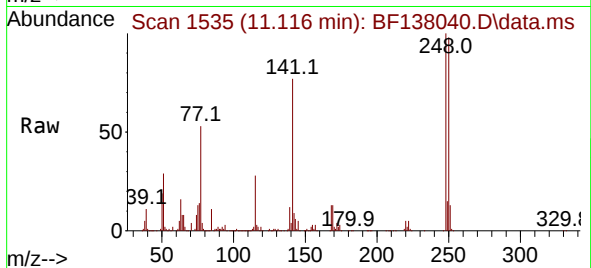
#67  
4-Bromophenyl-phenylether  
Concen: 46.901 ng  
RT: 11.116 min Scan# 1535  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

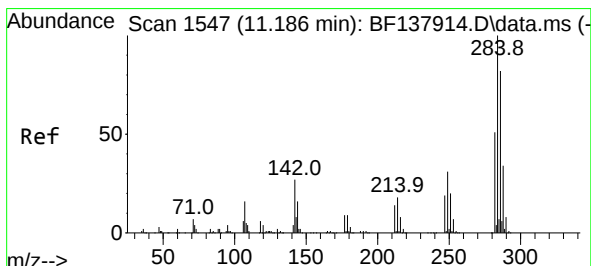
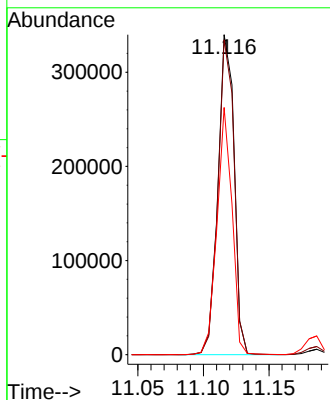
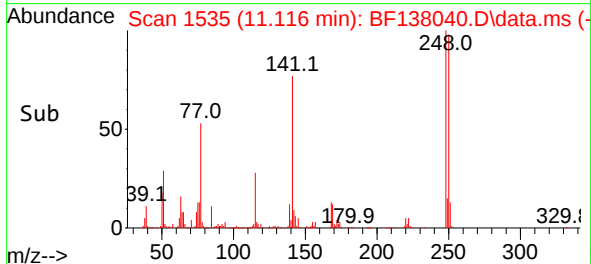


Tgt Ion:248 Resp: 291815  
Ion Ratio Lower Upper  
248 100  
250 98.4 77.6 116.4  
141 77.2 61.4 92.2

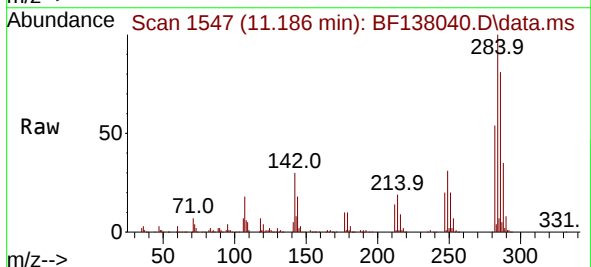
Manual Integrations

APPROVED

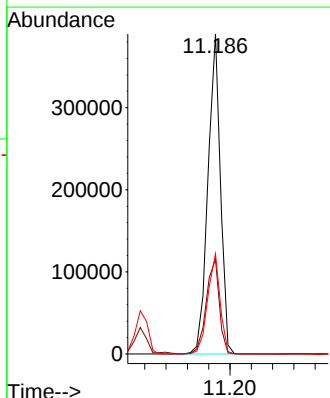
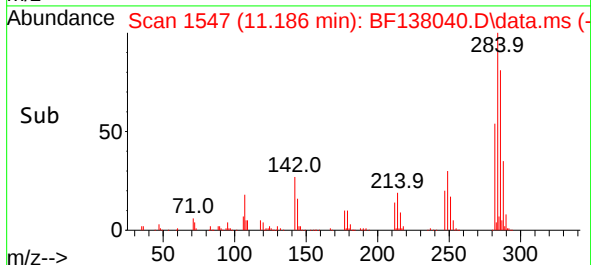
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

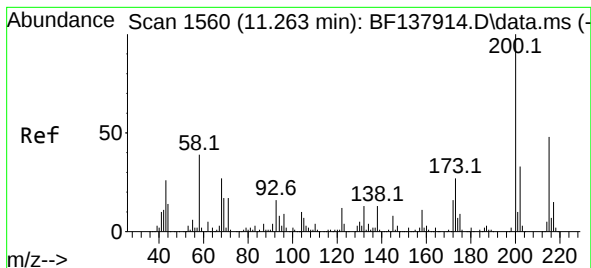


#68  
Hexachlorobenzene  
Concen: 46.224 ng  
RT: 11.186 min Scan# 1547  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:284 Resp: 317912  
Ion Ratio Lower Upper  
284 100  
142 29.6 21.3 31.9  
249 31.3 24.6 37.0





#69

Atrazine

Concen: 57.276 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

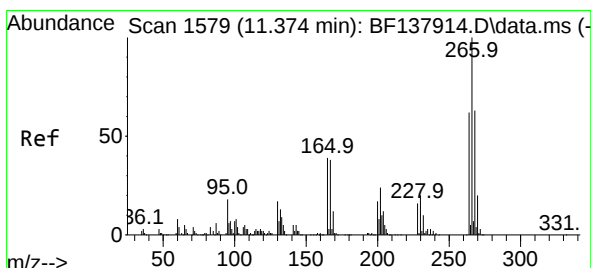
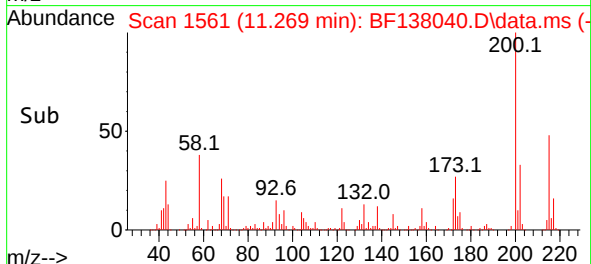
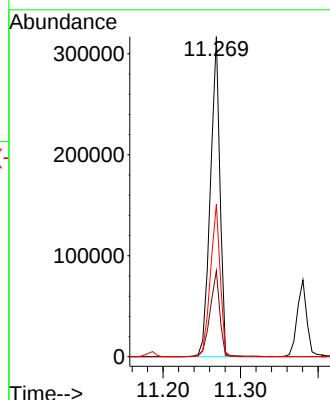
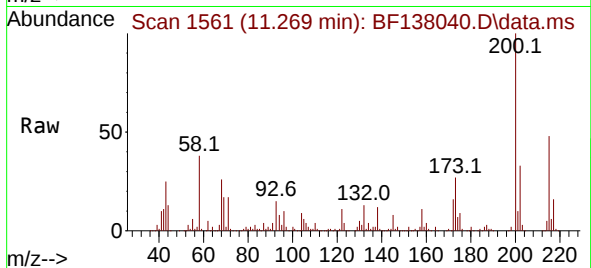
PB161134BS

Tgt Ion:200 Resp: 272215  
 Ion Ratio Lower Upper  
 200 100  
 173 26.9 6.6 46.6  
 215 47.6 27.5 67.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
 Supervised By :mohammad ahmed 05/30/2024



#70

Pentachlorophenol

Concen: 91.953 ng

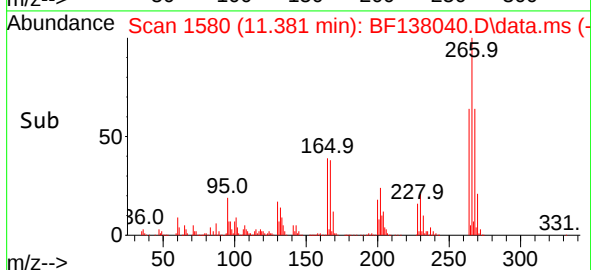
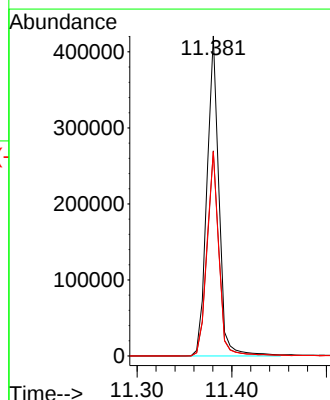
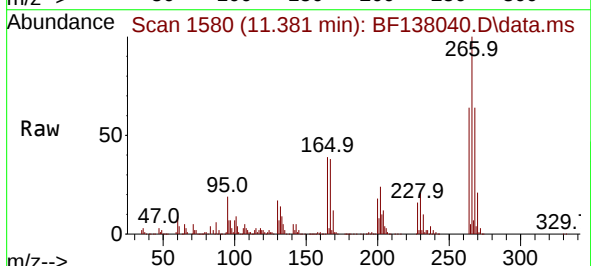
RT: 11.381 min Scan# 1580

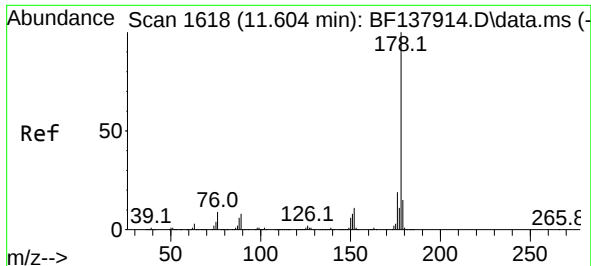
Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

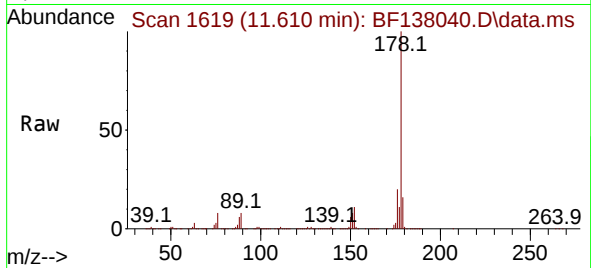
Tgt Ion:266 Resp: 370450  
 Ion Ratio Lower Upper  
 266 100  
 268 64.1 50.1 75.1  
 264 63.8 49.4 74.2





#71  
Phenanthrene  
Concen: 46.127 ng  
RT: 11.610 min Scan# 1618  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

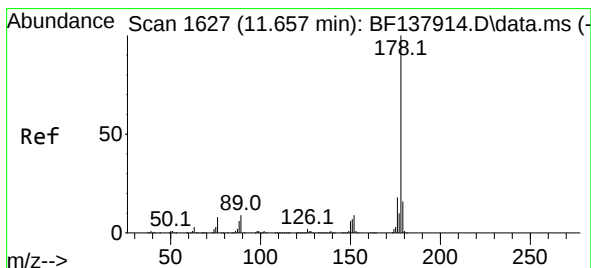
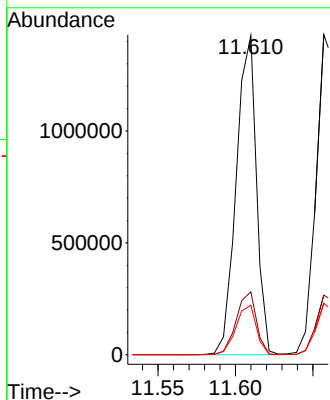
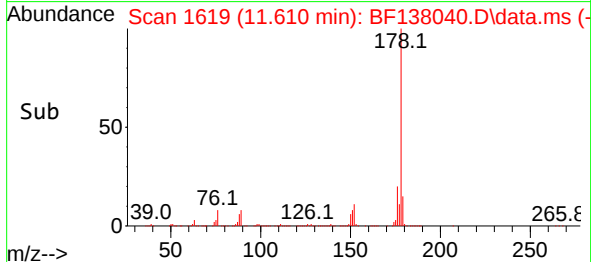
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



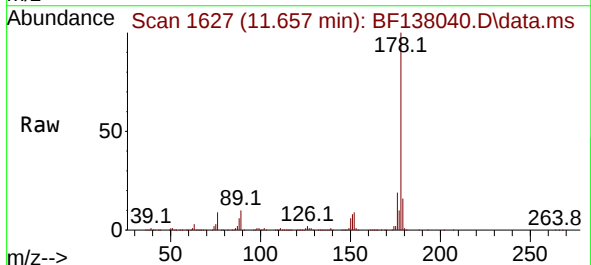
Tgt Ion:178 Resp: 1290084  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.2 22.8  
179 15.5 12.2 18.4

Manual Integrations  
APPROVED

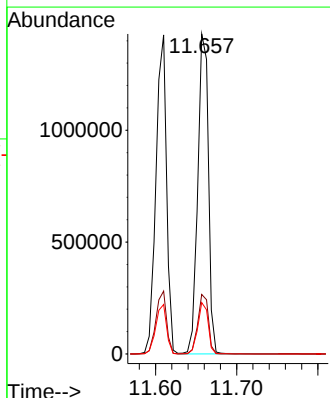
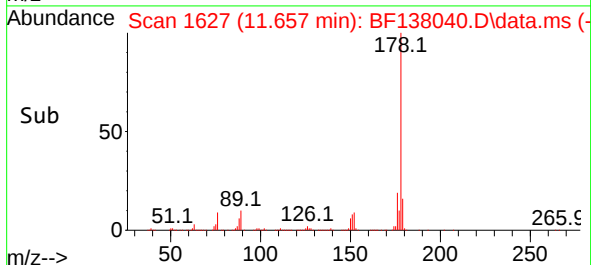
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

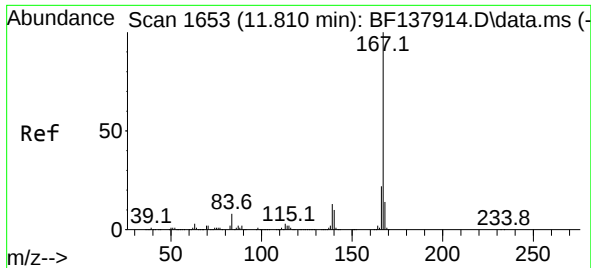


#72  
Anthracene  
Concen: 47.284 ng  
RT: 11.657 min Scan# 1627  
Delta R.T. 0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



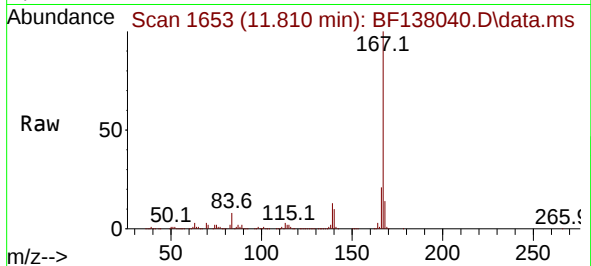
Tgt Ion:178 Resp: 1312094  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.7 22.1  
179 16.1 12.4 18.6





#73  
 Carbazole  
 Concen: 46.262 ng  
 RT: 11.810 min Scan# 1653  
 Delta R.T. 0.000 min  
 Lab File: BF138040.D  
 Acq: 28 May 2024 11:38

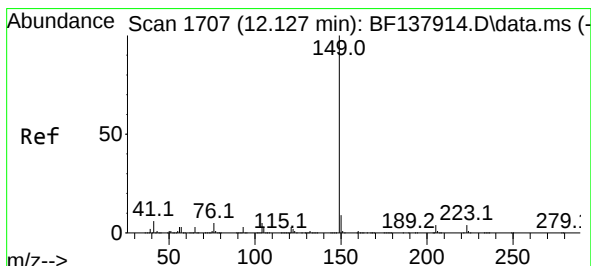
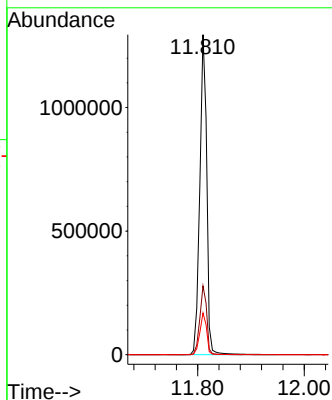
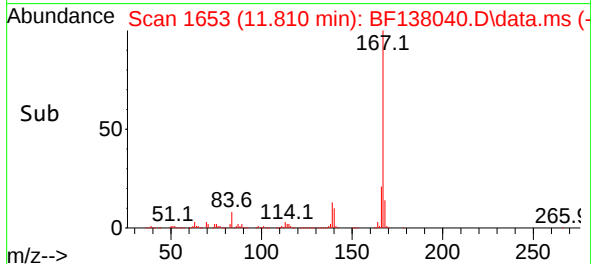
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161134BS



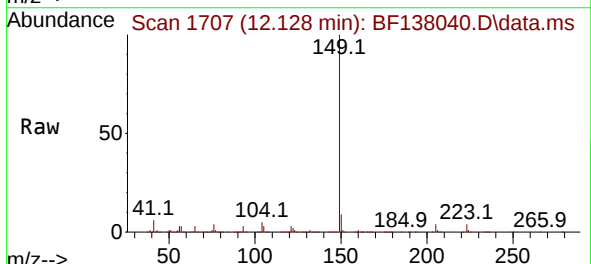
Tgt Ion:167 Resp: 117270  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.3 25.9  
 139 13.0 10.3 15.5

Manual Integrations  
 APPROVED

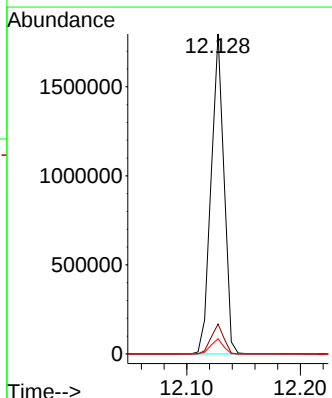
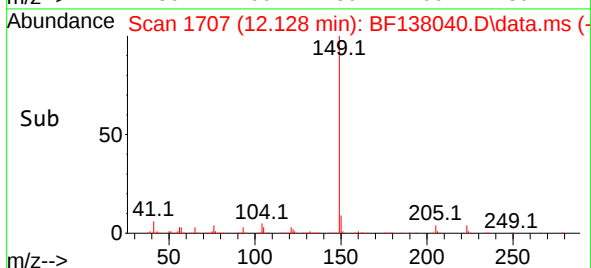
Reviewed By :Jagrut Upadhyay 05/29/2024  
 Supervised By :mohammad ahmed 05/30/2024

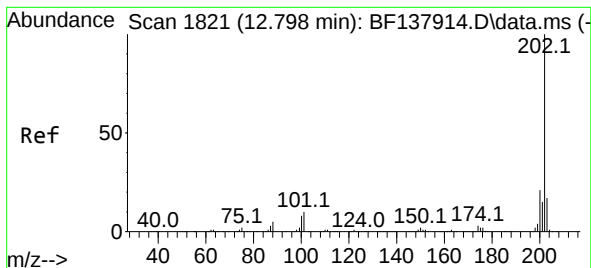


#74  
 Di-n-butylphthalate  
 Concen: 50.187 ng  
 RT: 12.128 min Scan# 1707  
 Delta R.T. 0.000 min  
 Lab File: BF138040.D  
 Acq: 28 May 2024 11:38



Tgt Ion:149 Resp: 1411865  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.2  
 104 4.8 3.6 5.4





#75

Fluoranthene

Concen: 44.722 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF138040.D

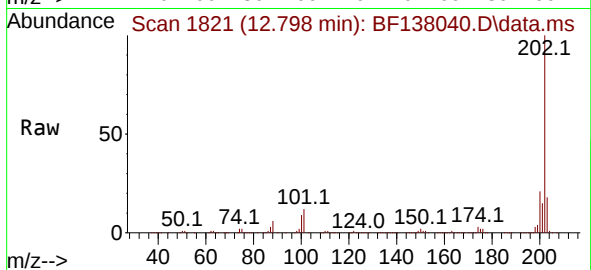
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS



Tgt Ion:202 Resp: 1269570

Ion Ratio Lower Upper

202 100

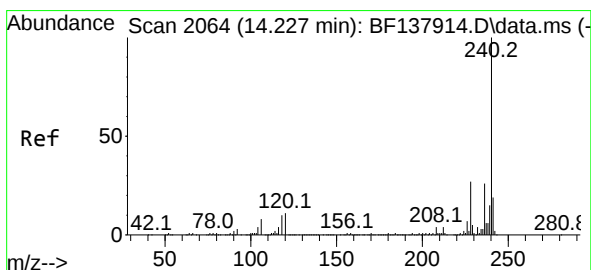
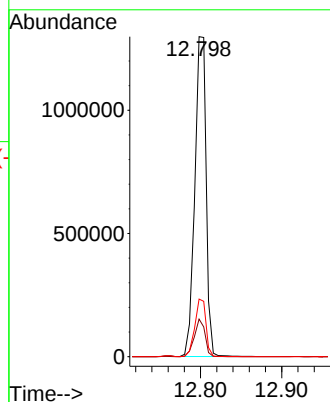
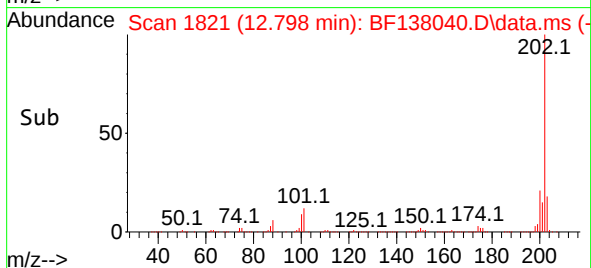
101 11.8 0.0 30.5

203 18.0 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

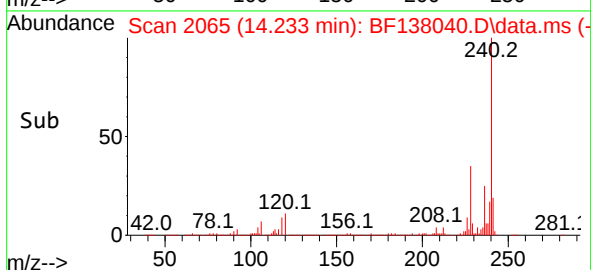
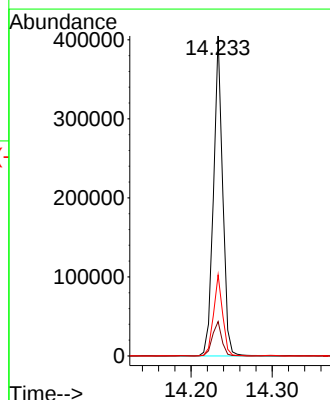
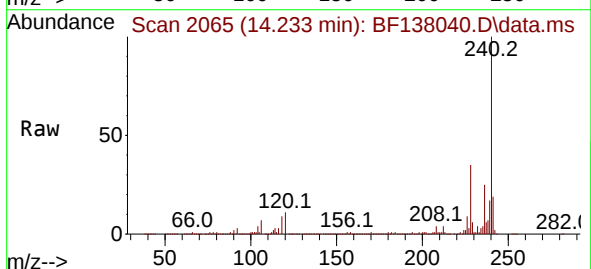
Tgt Ion:240 Resp: 317139

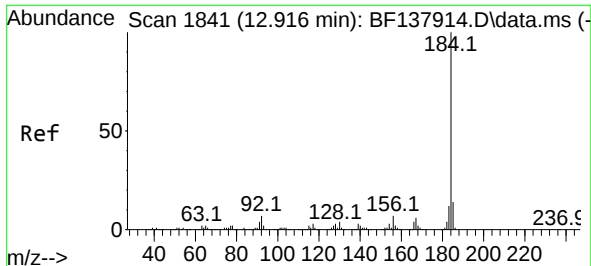
Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 25.3 21.0 31.4





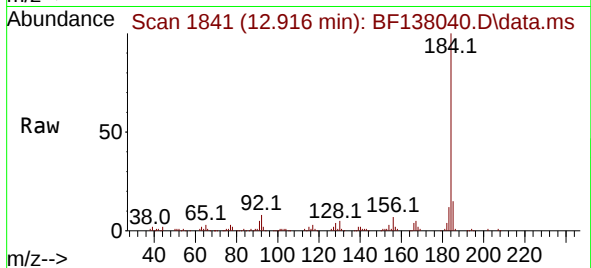
#77  
Benzidine  
Concen: 24.197 ng  
RT: 12.916 min Scan# 1841  
Delta R.T. -0.000 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

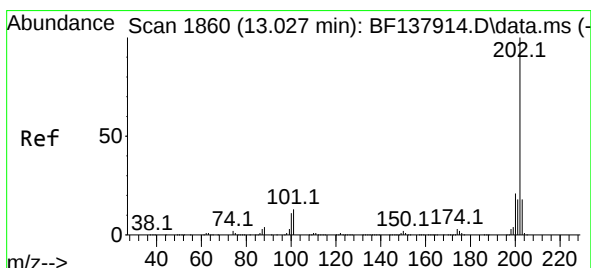
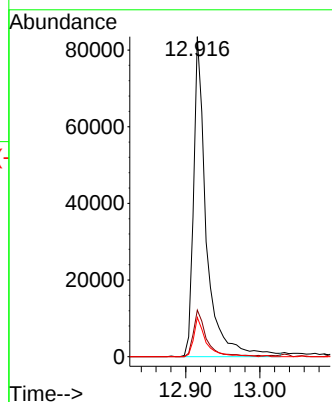
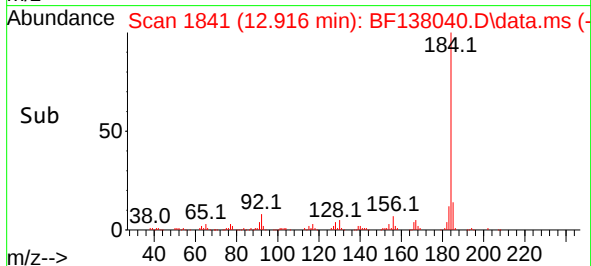


Tgt Ion:184 Resp: 100290  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.4 17.2  
183 12.2 9.5 14.3

Manual Integrations

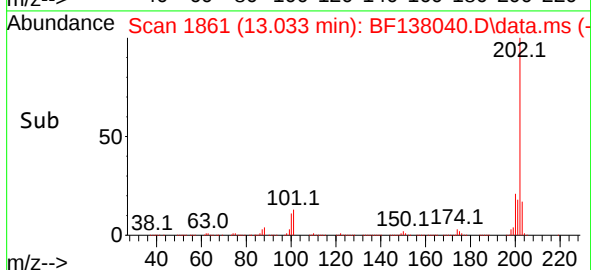
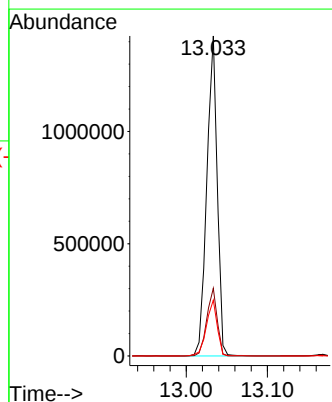
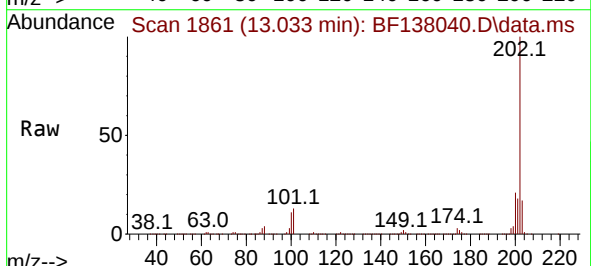
APPROVED

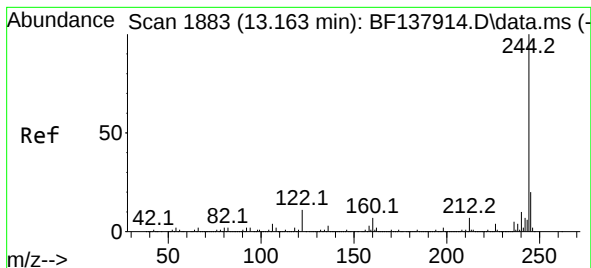
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#78  
Pyrene  
Concen: 45.681 ng  
RT: 13.033 min Scan# 1861  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:202 Resp: 1267118  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.4  
203 17.4 14.1 21.1





#79

Terphenyl-d14

Concen: 89.002 ng

RT: 13.169 min Scan# 1883

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:244 Resp: 1915194

Ion Ratio Lower Upper

244 100

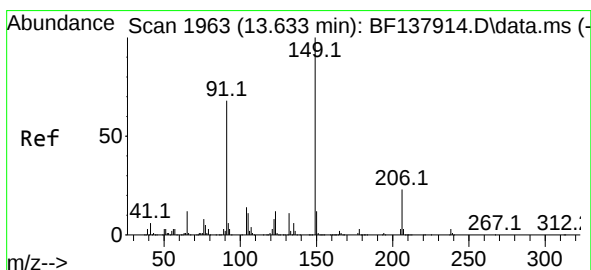
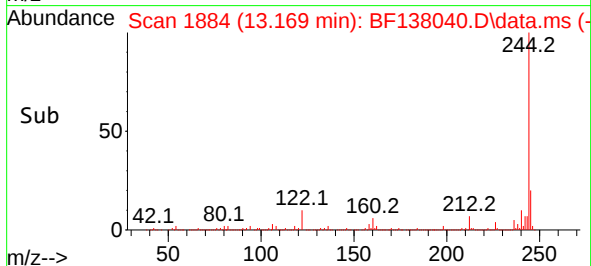
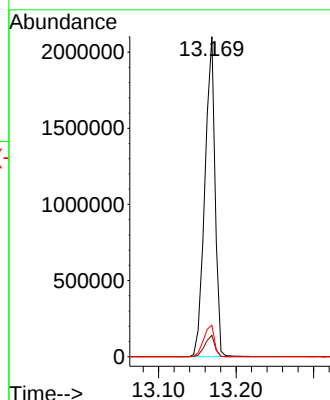
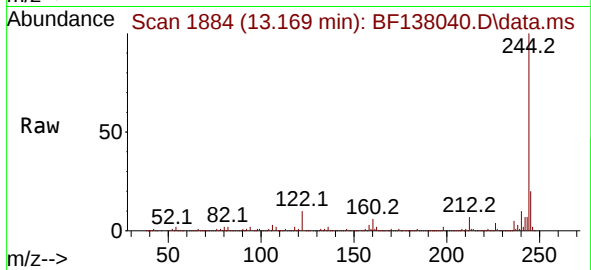
212 6.6 5.6 8.4

122 9.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#80

Butylbenzylphthalate

Concen: 53.108 ng

RT: 13.633 min Scan# 1963

Delta R.T. 0.000 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

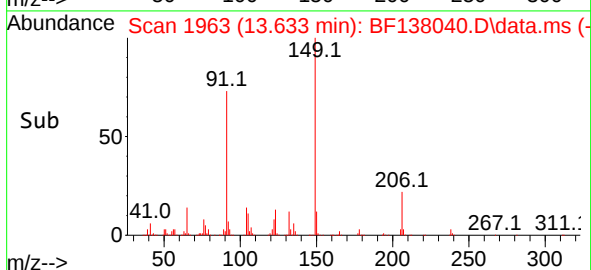
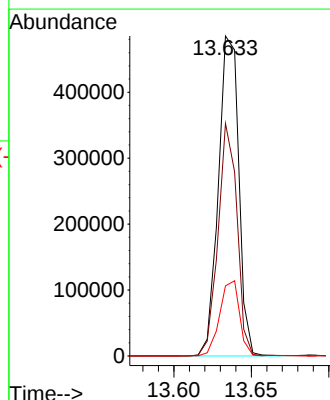
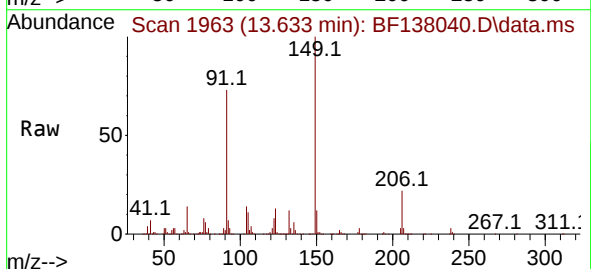
Tgt Ion:149 Resp: 444333

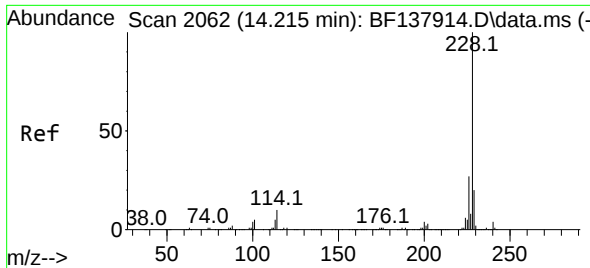
Ion Ratio Lower Upper

149 100

91 72.7 54.2 81.4

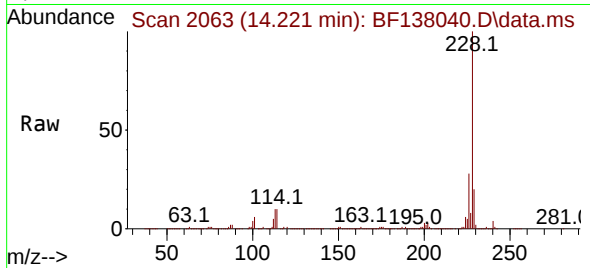
206 21.9 18.1 27.1





#81  
Benzo(a)anthracene  
Concen: 47.870 ng  
RT: 14.221 min Scan# 2062  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

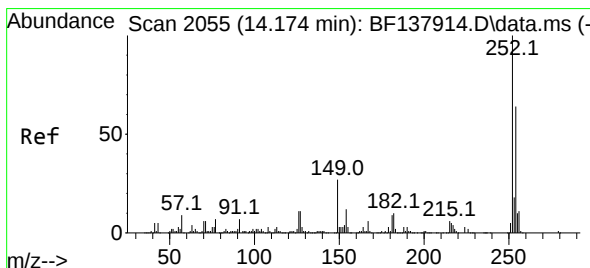
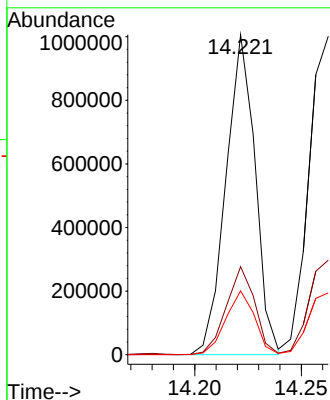
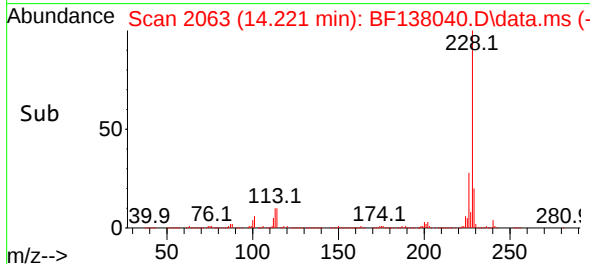
Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS



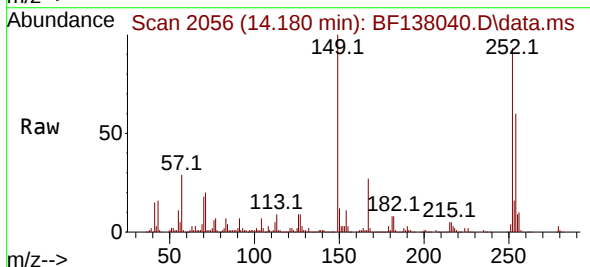
Tgt Ion:228 Resp: 96048  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.3 31.9  
229 20.0 15.7 23.5

Manual Integrations  
APPROVED

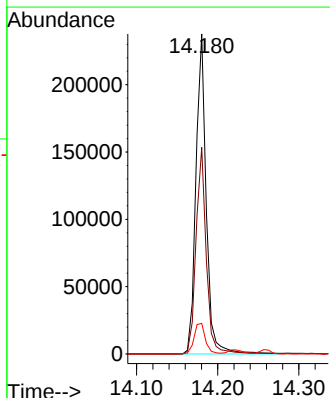
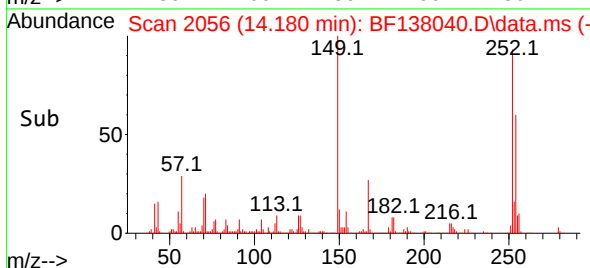
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024

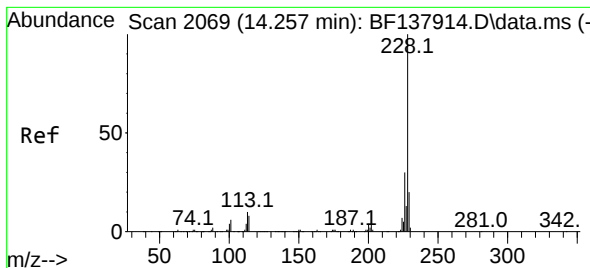


#82  
3,3'-Dichlorobenzidine  
Concen: 38.050 ng  
RT: 14.180 min Scan# 2056  
Delta R.T. 0.006 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38



Tgt Ion:252 Resp: 211570  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.2 76.8  
126 9.5 8.7 13.1





#83

Chrysene

Concen: 47.166 ng

RT: 14.263 min Scan# 2069

Delta R.T. 0.006 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

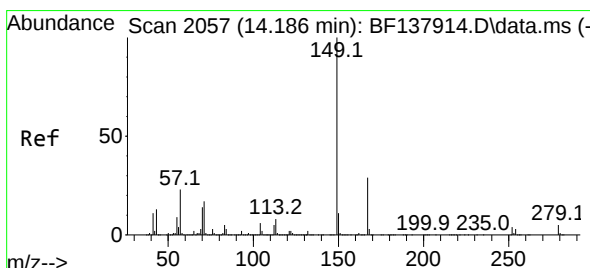
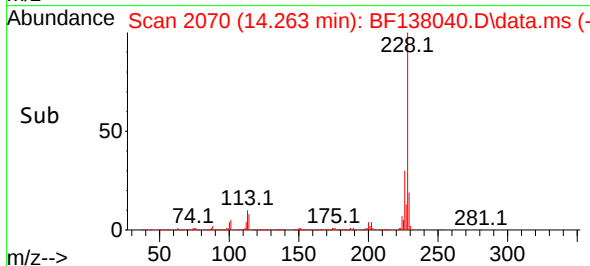
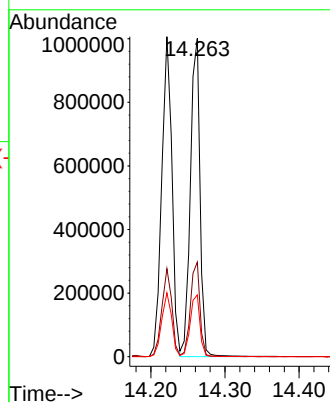
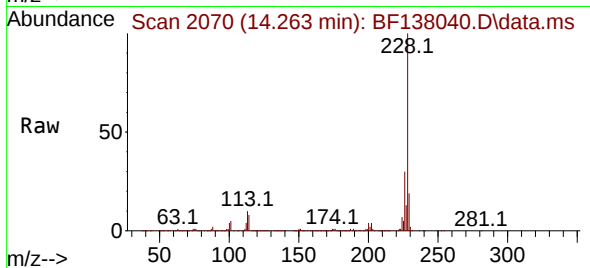
Tgt Ion:228 Resp: 90507

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 23.8  | 35.8  |
| 229 | 19.4  | 15.6  | 23.4  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.226 ng

RT: 14.186 min Scan# 2057

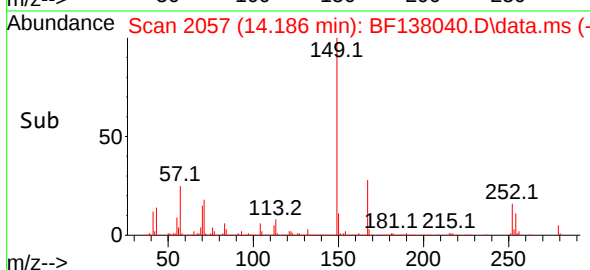
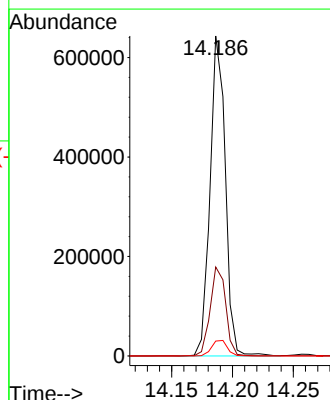
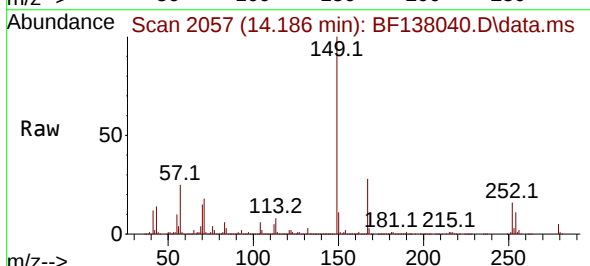
Delta R.T. 0.000 min

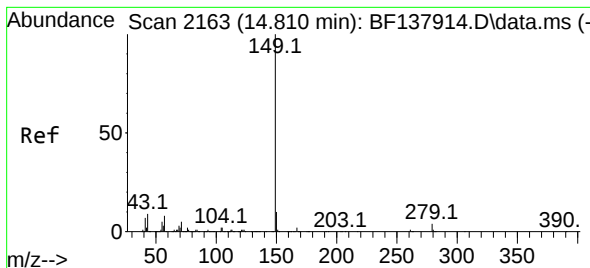
Lab File: BF138040.D

Acq: 28 May 2024 11:38

Tgt Ion:149 Resp: 559791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.8  | 23.2  | 34.8  |
| 279 | 4.7   | 4.1   | 6.1   |





#85

Di-n-octyl phthalate

Concen: 63.007 ng

RT: 14.816 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BF138040.D

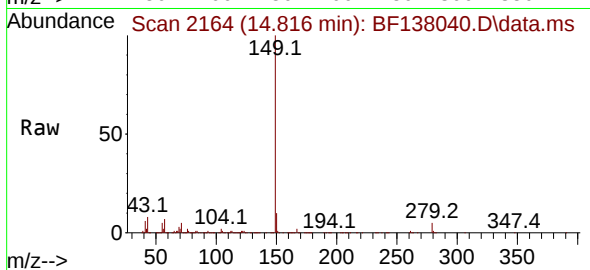
Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS



Tgt Ion:149 Resp: 89523

Ion Ratio Lower Upper

149 100

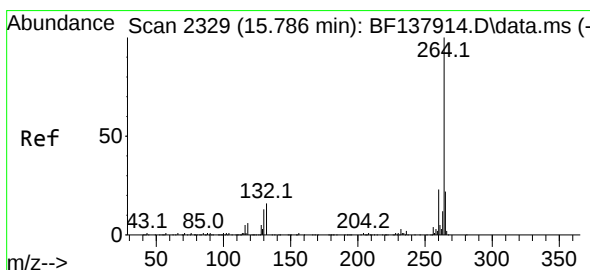
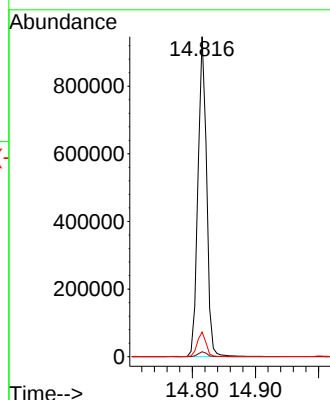
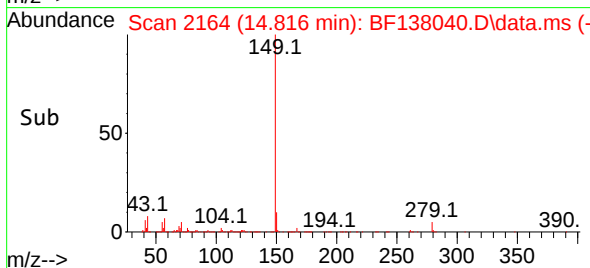
167 1.7 1.4 2.0

43 7.6 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. 0.012 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

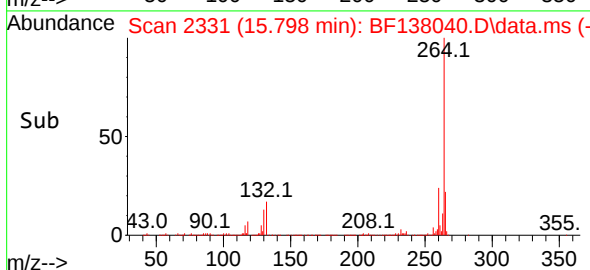
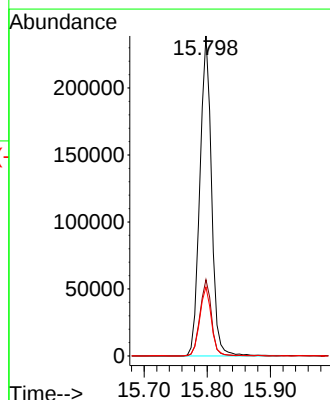
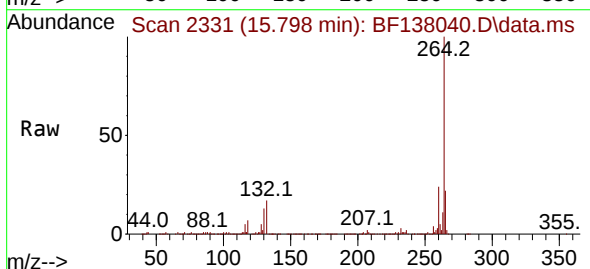
Tgt Ion:264 Resp: 307118

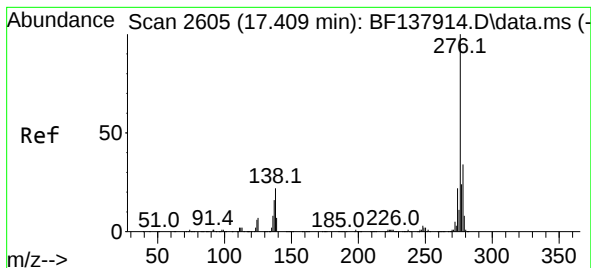
Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

265 21.6 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.835 ng

RT: 17.439 min Scan# 2

Delta R.T. 0.030 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:276 Resp: 100305

Ion Ratio Lower Upper

276 100

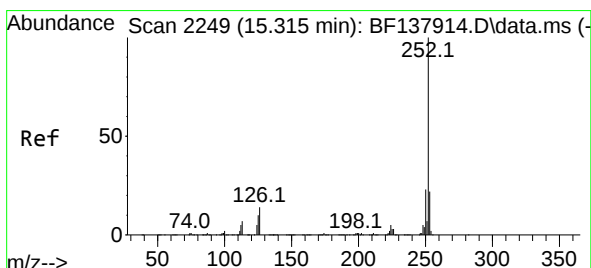
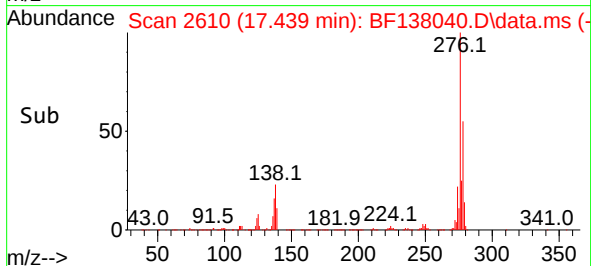
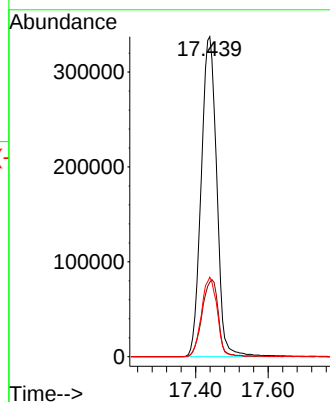
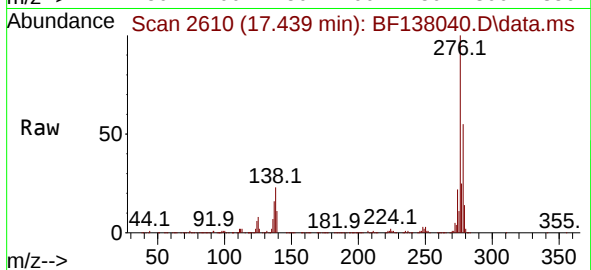
138 25.1 20.6 30.8

277 25.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#88

Benzo(b)fluoranthene

Concen: 50.511 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

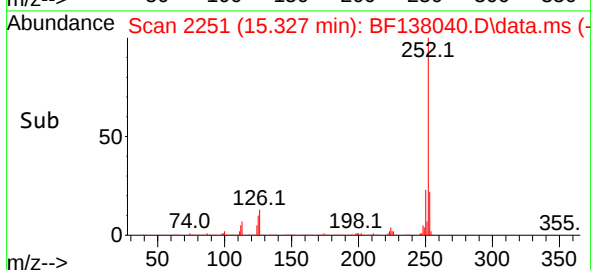
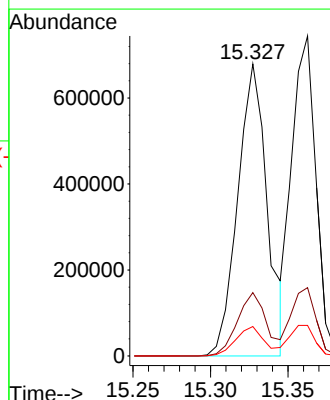
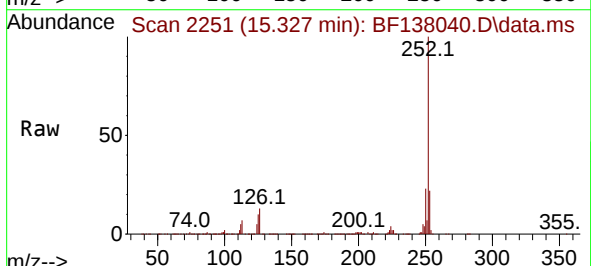
Tgt Ion:252 Resp: 898209

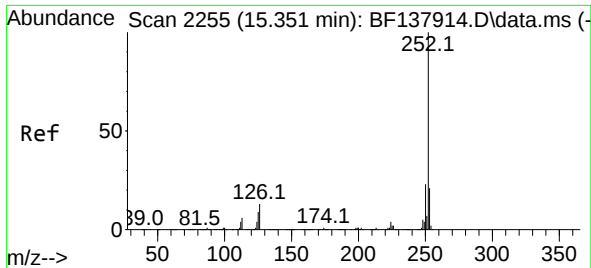
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.1 8.2 12.4





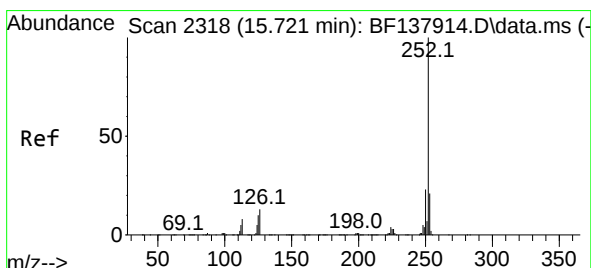
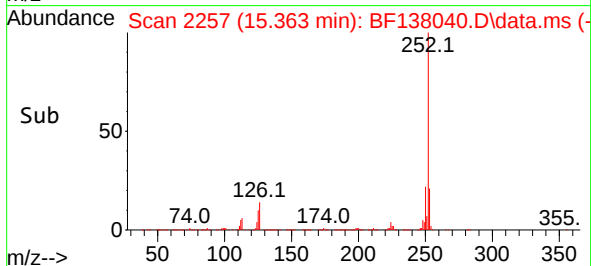
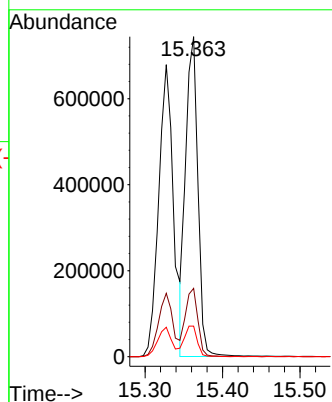
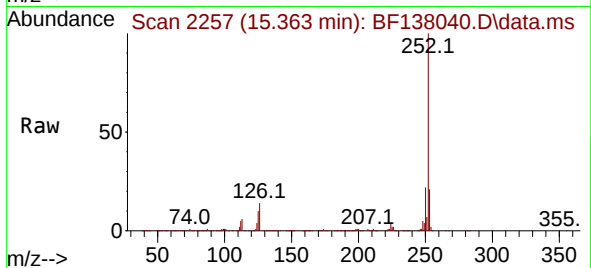
#89  
Benzo(k)fluoranthene  
Concen: 46.644 ng  
RT: 15.363 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB161134BS

Tgt Ion:252 Resp: 81484  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.0  
125 9.6 7.7 11.5

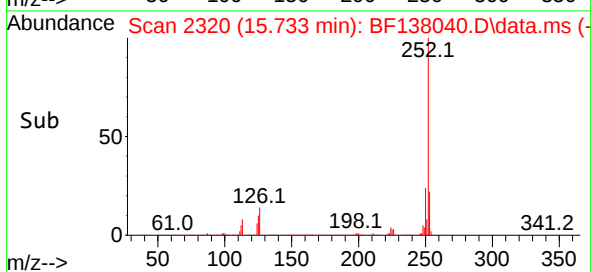
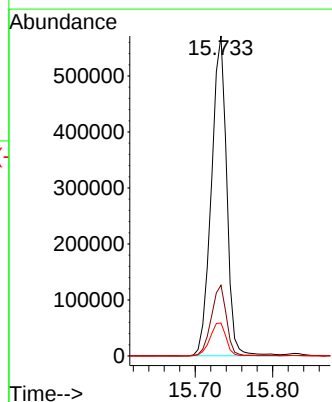
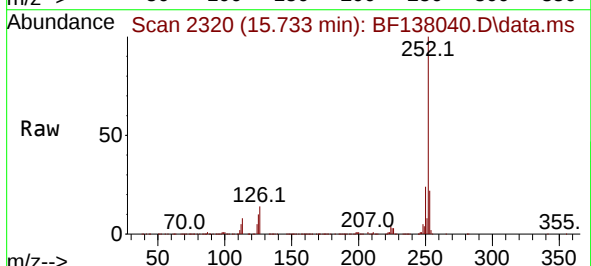
Manual Integrations  
APPROVED

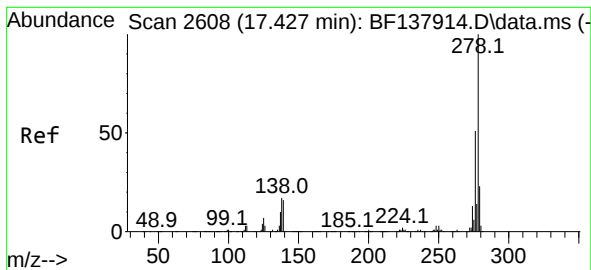
Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#90  
Benzo(a)pyrene  
Concen: 51.550 ng  
RT: 15.733 min Scan# 2320  
Delta R.T. 0.012 min  
Lab File: BF138040.D  
Acq: 28 May 2024 11:38

Tgt Ion:252 Resp: 782753  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.0 25.6  
125 10.3 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 49.553 ng

RT: 17.457 min Scan# 2613

Delta R.T. 0.030 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Instrument :

BNA\_F

ClientSampleId :

PB161134BS

Tgt Ion:278 Resp: 807834

Ion Ratio Lower Upper

278 100

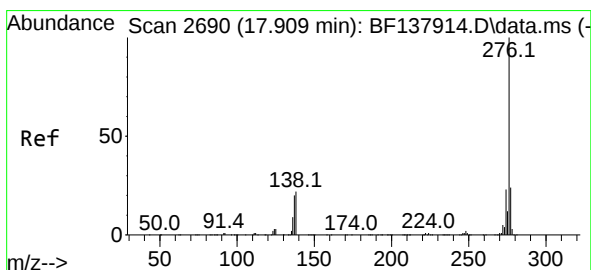
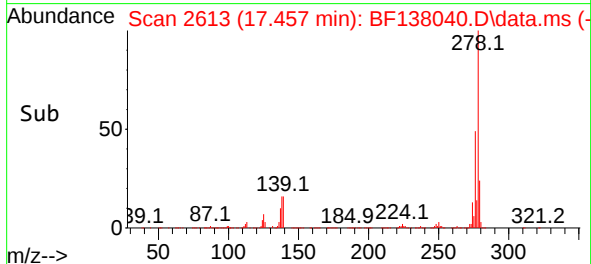
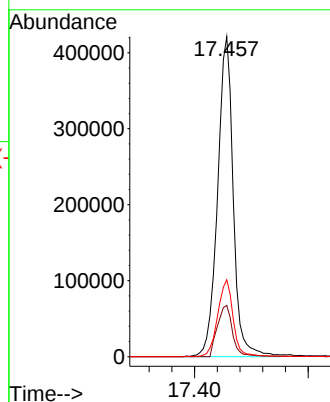
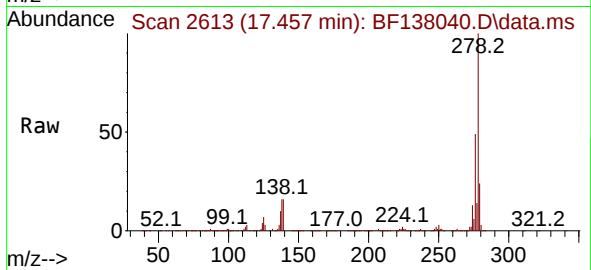
139 16.0 13.1 19.7

279 24.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024  
Supervised By :mohammad ahmed 05/30/2024



#92

Benzo(g,h,i)perylene

Concen: 45.863 ng

RT: 17.933 min Scan# 2694

Delta R.T. 0.024 min

Lab File: BF138040.D

Acq: 28 May 2024 11:38

Tgt Ion:276 Resp: 785435

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 22.2 17.6 26.4

