

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102324\  
 Data File : BF139963.D  
 Acq On : 23 Oct 2024 14:33  
 Operator : RC/JU  
 Sample : PB164286BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164286BS

Quant Time: Oct 23 15:04:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 158593   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 620873   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 350222   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 635882   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 319612   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.533 | 264  | 347575   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 1248672  | 123.258 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1574829  | 120.026 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1028527  | 91.814  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 482928   | 147.420 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1833539  | 86.525  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1877217  | 95.706  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 175724   | 37.203  | ng    | 94       |
| 3) Pyridine                   | 3.522  | 79   | 462499   | 39.504  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.469  | 42   | 256555   | 40.786  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 572321   | 46.803  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 470973   | 45.476  | ng    | 97       |
| 9) Benzaldehyde               | 6.440  | 77   | 100752   | 13.650  | ng    | 96       |
| 10) Phenol                    | 6.528  | 94   | 584091m  | 43.180  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 449836   | 43.025  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 503588   | 42.360  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 511955   | 43.104  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 489916   | 44.196  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 428535   | 44.525  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 745202   | 41.800  | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 387922   | 43.927  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 184304   | 43.515  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 335625   | 42.176  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 474544   | 42.012  | ng    | 92       |
| 22) Acetophenone              | 7.298  | 105  | 644789   | 42.400  | ng    | 98       |
| 24) Nitrobenzene              | 7.469  | 77   | 517121   | 42.103  | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 928529   | 43.671  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 243091   | 52.464  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 395771   | 51.225  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 547368   | 42.491  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 388777   | 44.178  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 408692   | 41.971  | ng    | 100      |
| 31) Naphthalene               | 8.193  | 128  | 1371252  | 42.824  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 303453   | 45.032  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.240  | 127  | 359722   | 32.945  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 262325   | 42.876  | ng    | 100      |
| 35) Caprolactam               | 8.604  | 113  | 129060m  | 46.123  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 430883   | 44.218  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 857996   | 43.751  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 798971   | 41.525  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 402191   | 42.567  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.040  | 237  | 525230   | 159.761 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 311582   | 46.578  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102324\  
 Data File : BF139963.D  
 Acq On : 23 Oct 2024 14:33  
 Operator : RC/JU  
 Sample : PB164286BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164286BS

Manual Integrations  
 APPROVED

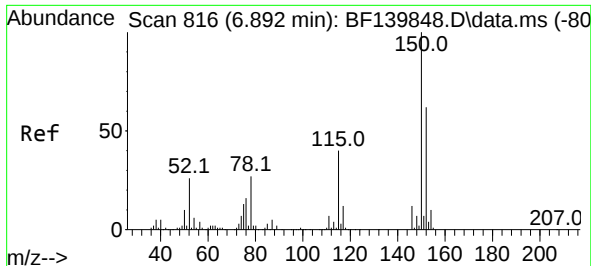
Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024

Quant Time: Oct 23 15:04:43 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 308415   | 44.687  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1042962  | 42.778  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 827583   | 42.145  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 292014   | 48.623  | ng    | 92       |
| 49) Acenaphthylene            | 9.792  | 152  | 1296649  | 45.675  | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 984207   | 45.117  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 220063   | 46.591  | ng    | 95       |
| 52) Acenaphthene              | 9.963  | 154  | 901159   | 49.071  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.875  | 138  | 177145   | 36.368  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 232244   | 115.216 | ng    | # 1      |
| 55) Dibenzofuran              | 10.134 | 168  | 1145279  | 43.467  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 362307   | 96.682  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 295318   | 50.843  | ng    | 96       |
| 58) Fluorene                  | 10.481 | 166  | 870747   | 43.389  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 264684   | 48.921  | ng    | 96       |
| 60) Diethylphthalate          | 10.351 | 149  | 945782   | 44.157  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 447598   | 44.165  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 224753   | 48.856  | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 963247   | 42.420  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 158383   | 61.064  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 820984   | 43.138  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 288868   | 44.097  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 325983   | 44.247  | ng    | 99       |
| 69) Atrazine                  | 11.116 | 200  | 265737   | 51.545  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 400627   | 89.599  | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 1301995  | 43.347  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1321841  | 45.105  | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 1132997  | 41.570  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1373983  | 43.634  | ng    | 100      |
| 75) Fluoranthene              | 12.628 | 202  | 1258467  | 41.445  | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 417992   | 79.534  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1262248  | 45.118  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.475 | 149  | 406282   | 48.439  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 948731   | 45.600  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 244157   | 40.249  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 852715   | 44.700  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 467356   | 49.664  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 808706   | 47.248  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1080680  | 48.330  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 950470   | 44.891  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 757041   | 41.459  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.469 | 252  | 832975   | 47.813  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 885004   | 47.444  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 809408   | 43.441  | ng    | 99       |

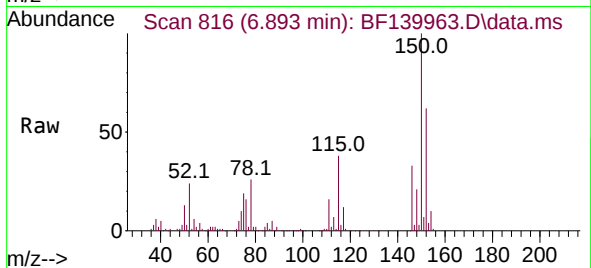
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 816  
Delta R.T. 0.001 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

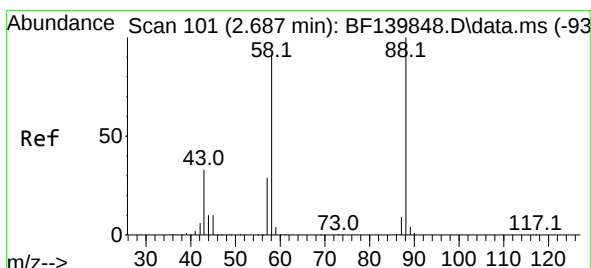
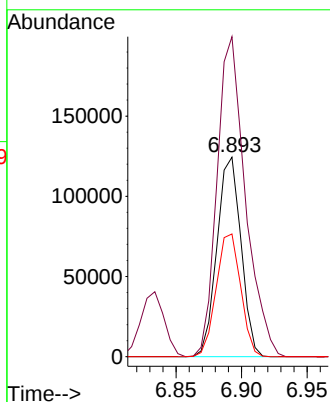
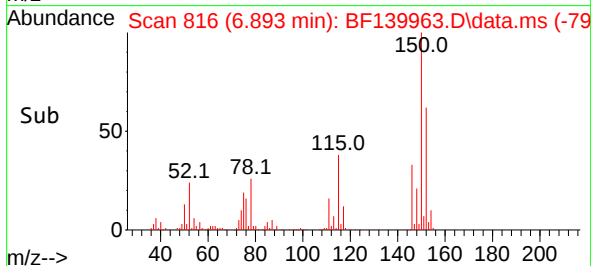
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



Tgt Ion:152 Resp: 15859  
Ion Ratio Lower Upper  
152 100  
150 160.4 130.2 195.2  
115 61.5 51.4 77.2

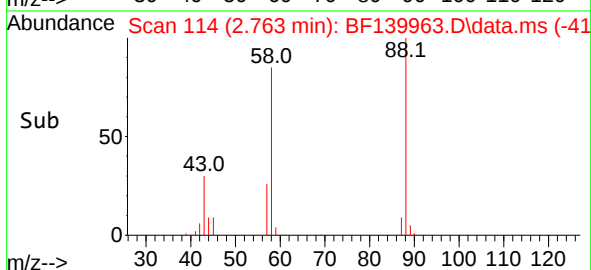
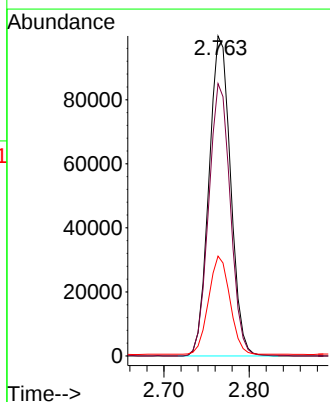
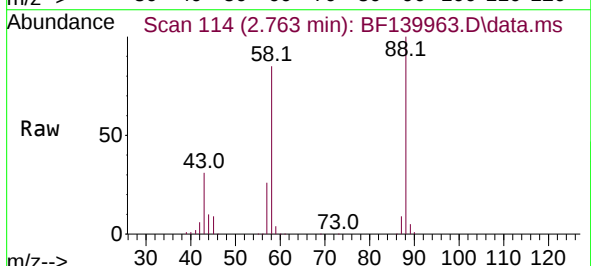
Manual Integrations  
APPROVED

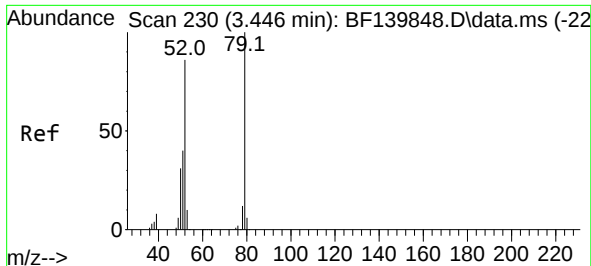
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#2  
1,4-Dioxane  
Concen: 37.203 ng  
RT: 2.763 min Scan# 114  
Delta R.T. 0.077 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

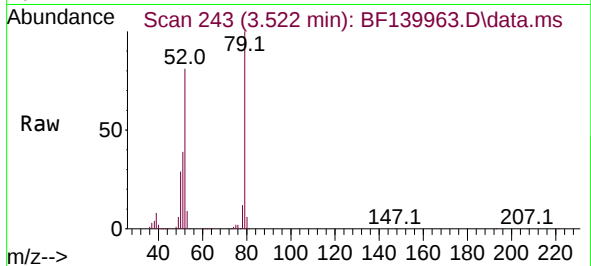
Tgt Ion: 88 Resp: 175724  
Ion Ratio Lower Upper  
88 100  
58 85.7 73.3 109.9  
43 30.3 27.1 40.7





#3  
Pyridine  
Concen: 39.504 ng  
RT: 3.522 min Scan# 24  
Delta R.T. 0.077 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

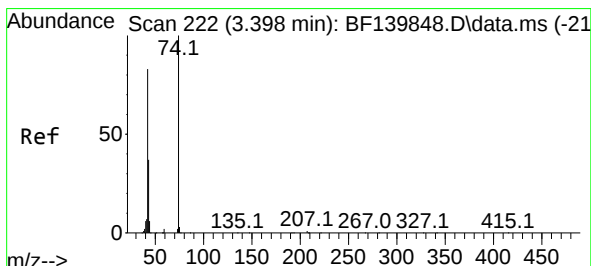
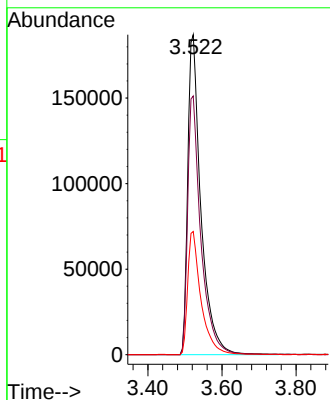
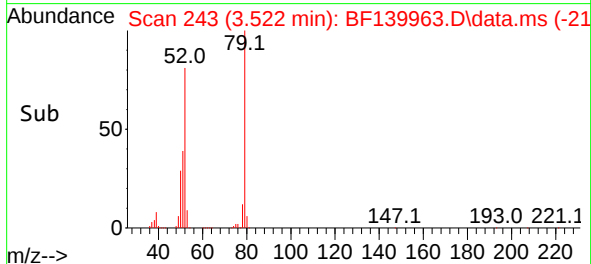
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



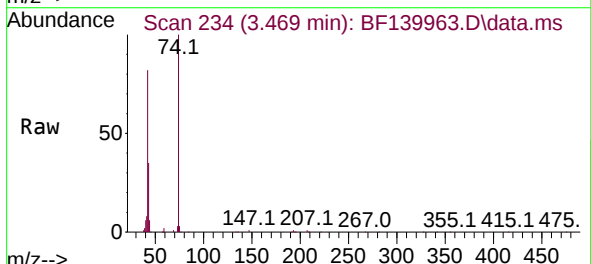
Tgt Ion: 79 Resp: 462499  
Ion Ratio Lower Upper  
79 100  
52 80.9 68.5 102.7  
51 38.5 32.3 48.5

Manual Integrations  
APPROVED

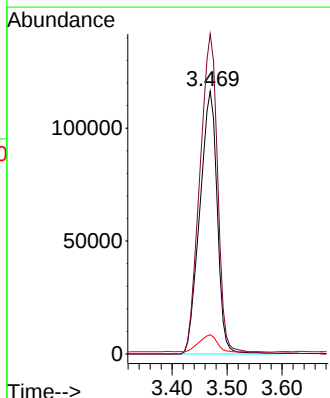
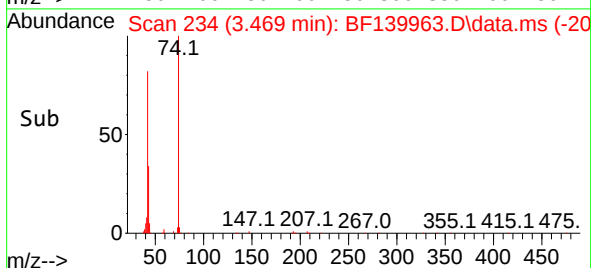
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

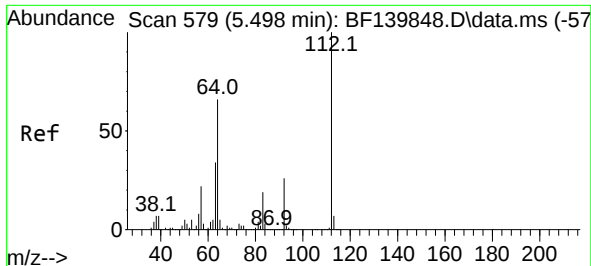


#4  
n-Nitrosodimethylamine  
Concen: 40.786 ng  
RT: 3.469 min Scan# 234  
Delta R.T. 0.071 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion: 42 Resp: 256555  
Ion Ratio Lower Upper  
42 100  
74 121.8 96.2 144.4  
44 7.3 6.2 9.2





#5  
2-Fluorophenol  
Concen: 123.258 ng  
RT: 5.516 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

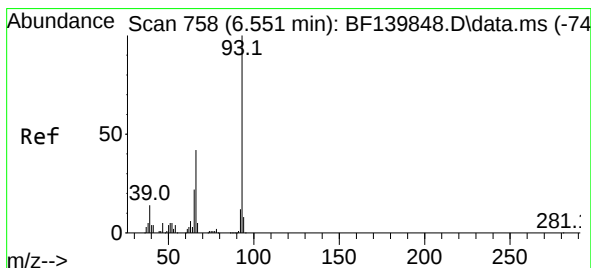
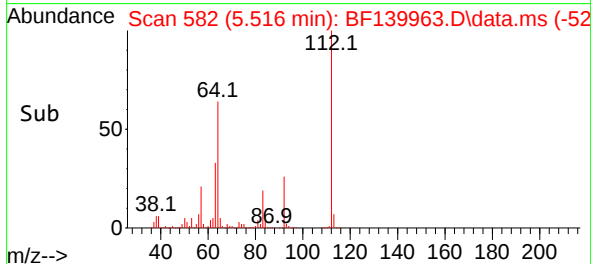
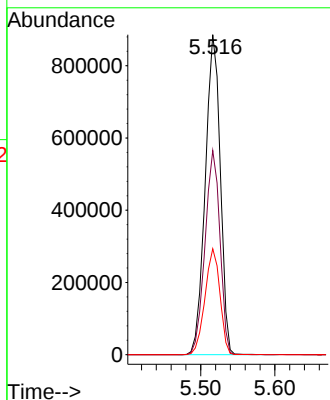
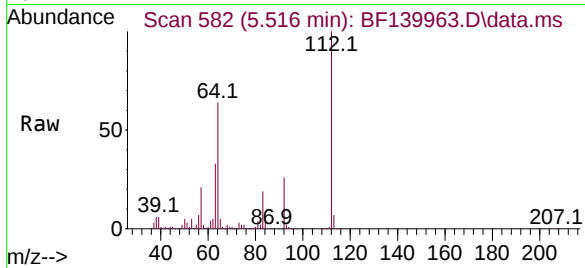
ClientSampleId :

PB164286BS

Tgt Ion:112 Resp: 1248672  
Ion Ratio Lower Upper  
112 100  
64 63.8 53.0 79.6  
63 33.1 27.0 40.4

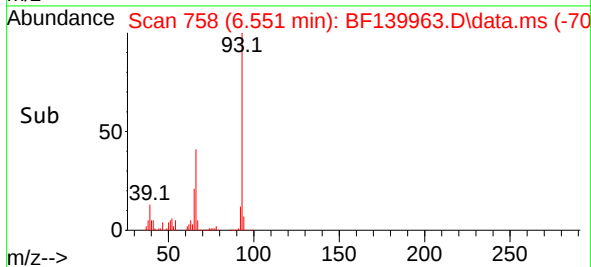
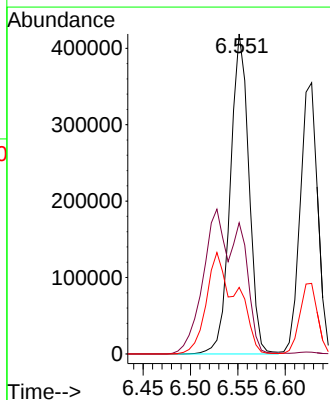
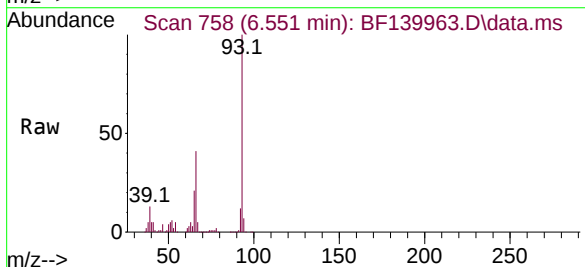
Manual Integrations  
APPROVED

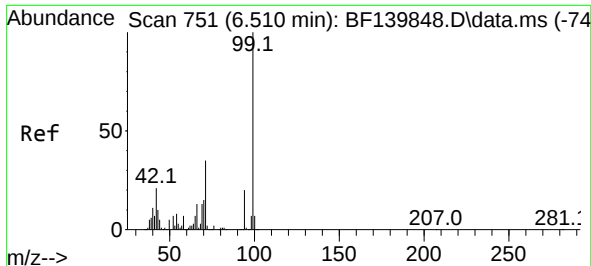
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#6  
Aniline  
Concen: 46.803 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

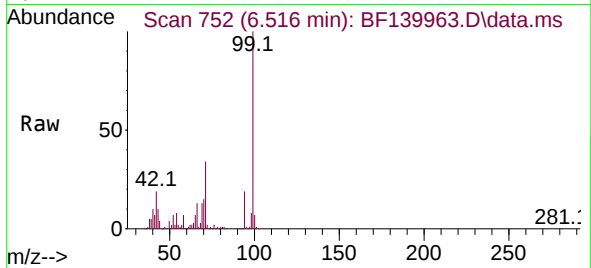
Tgt Ion: 93 Resp: 572321  
Ion Ratio Lower Upper  
93 100  
66 41.0 34.0 51.0  
65 20.8 17.4 26.0





#7  
Phenol-d6  
Concen: 120.026 ng  
RT: 6.516 min Scan# 752  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

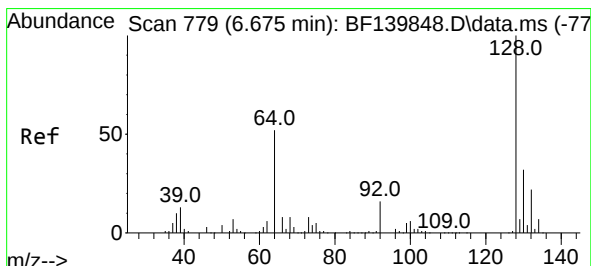
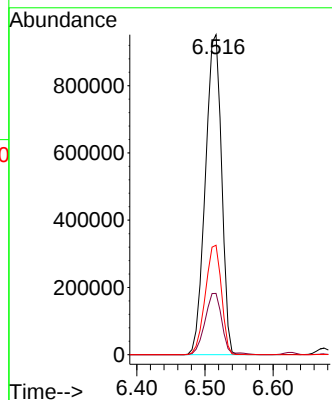
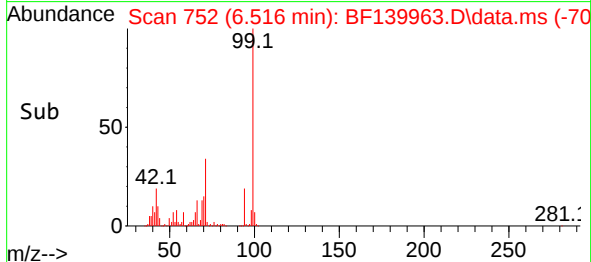
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



Tgt Ion: 99 Resp: 1574829  
Ion Ratio Lower Upper  
99 100  
42 19.2 16.7 25.1  
71 34.2 27.7 41.5

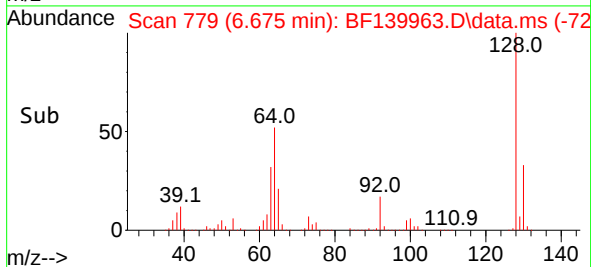
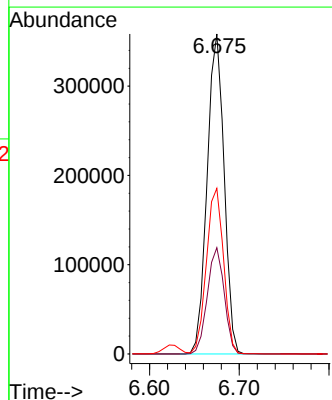
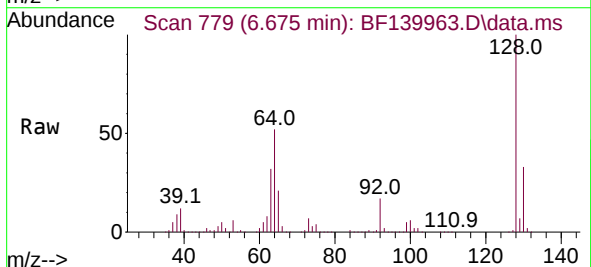
Manual Integrations  
APPROVED

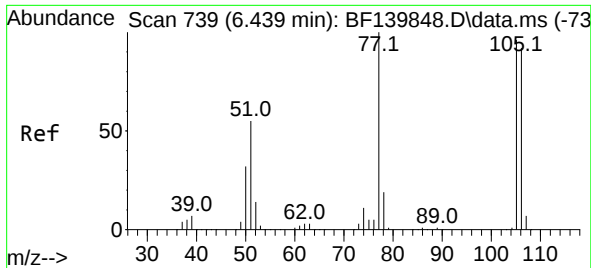
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#8  
2-Chlorophenol  
Concen: 45.476 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:128 Resp: 470973  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.3 52.3  
64 51.7 34.6 74.6





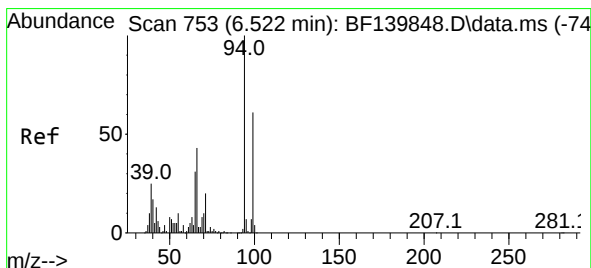
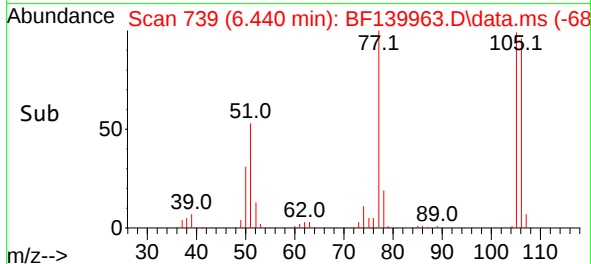
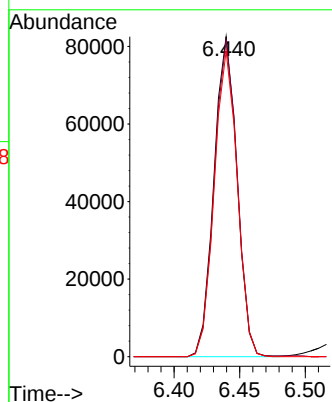
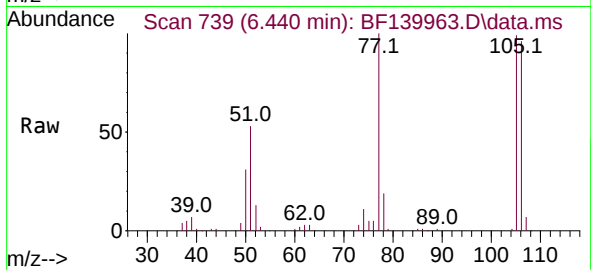
#9  
Benzaldehyde  
Concen: 13.650 ng  
RT: 6.440 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS

Tgt Ion: 77 Resp: 100752  
Ion Ratio Lower Upper  
77 100  
105 98.8 75.5 115.5  
106 95.6 71.7 111.7

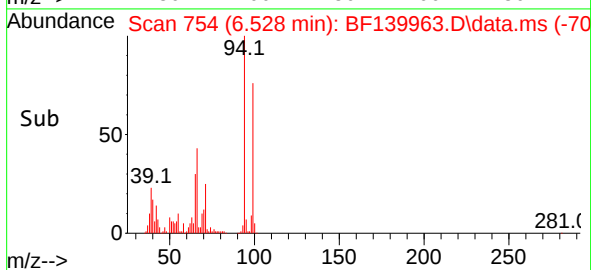
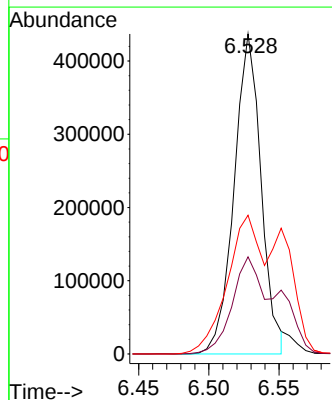
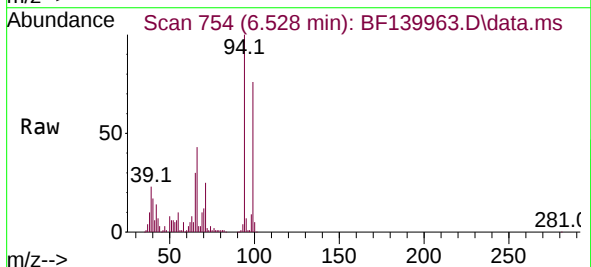
Manual Integrations  
APPROVED

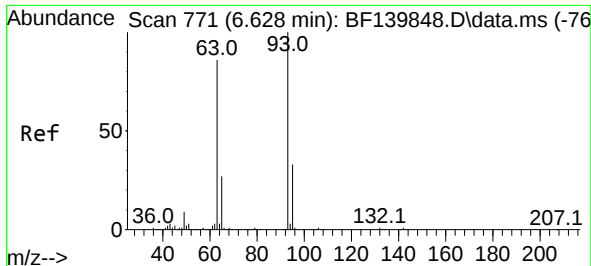
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#10  
Phenol  
Concen: 43.180 ng m  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion: 94 Resp: 584091  
Ion Ratio Lower Upper  
94 100  
65 30.4 11.1 51.1  
66 43.4 22.7 62.7





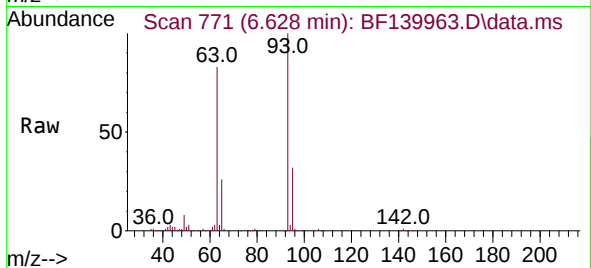
#11  
bis(2-Chloroethyl)ether  
Concen: 43.025 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

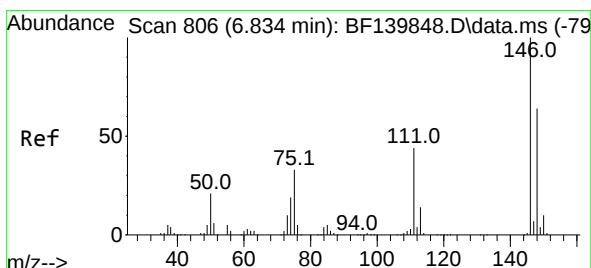
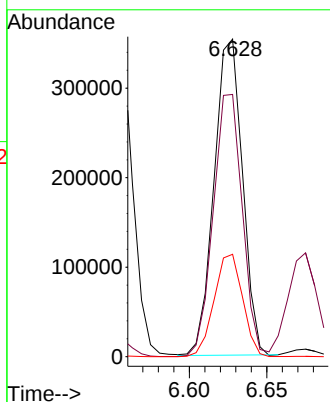
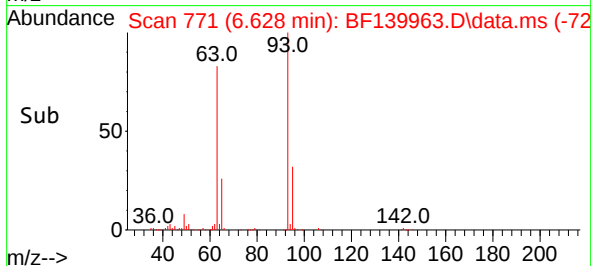
PB164286BS



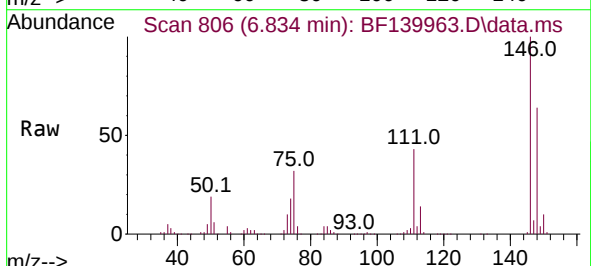
Tgt Ion: 93 Resp: 449830  
Ion Ratio Lower Upper  
93 100  
63 82.5 65.0 105.0  
95 32.2 12.4 52.4

Manual Integrations  
APPROVED

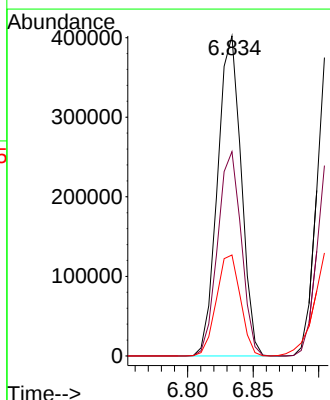
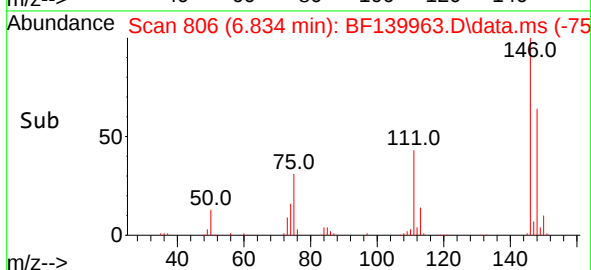
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

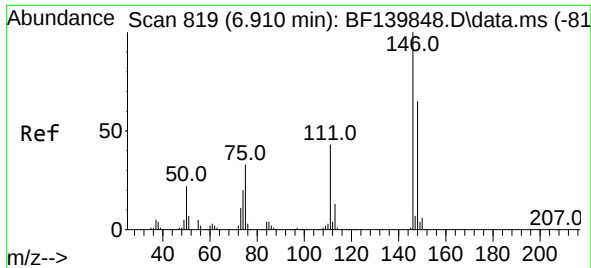


#12  
1,3-Dichlorobenzene  
Concen: 42.360 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:146 Resp: 503588  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.0 76.4  
75 31.5 26.4 39.6





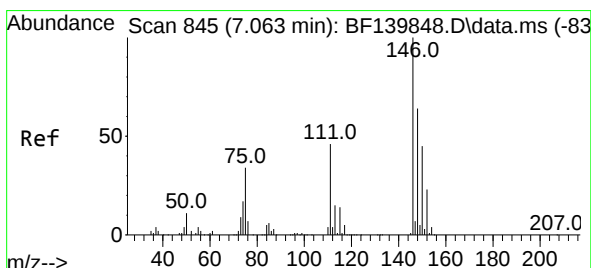
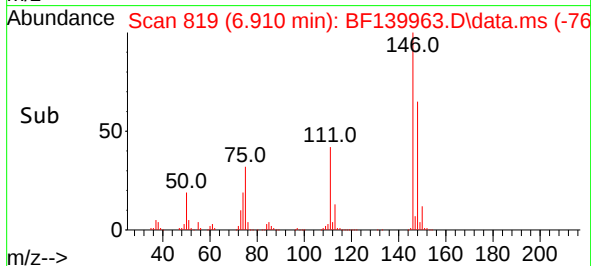
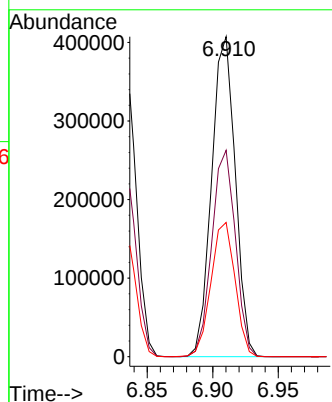
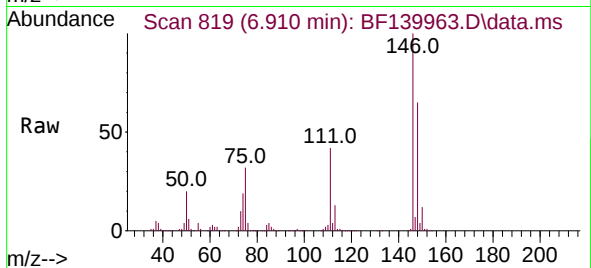
#13  
1,4-Dichlorobenzene  
Concen: 43.104 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS

Tgt Ion:146 Resp: 51195  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.8 77.8  
111 41.9 34.6 51.8

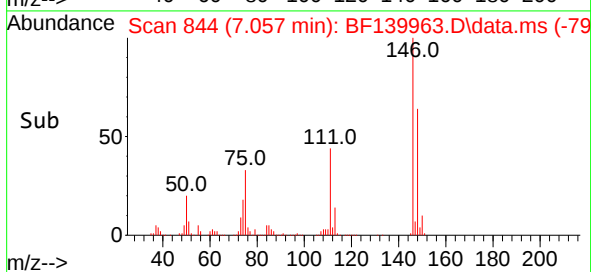
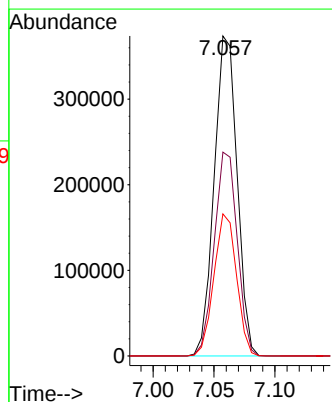
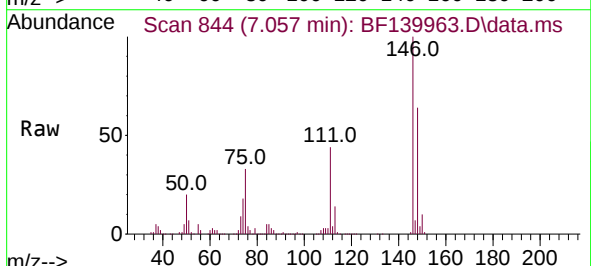
Manual Integrations  
APPROVED

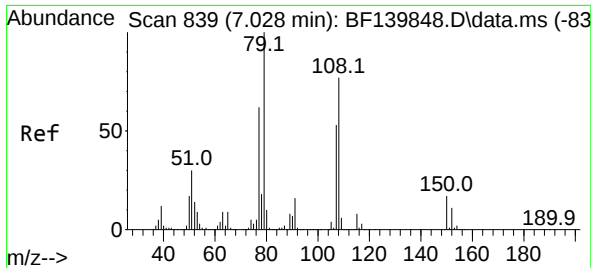
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#14  
1,2-Dichlorobenzene  
Concen: 44.196 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

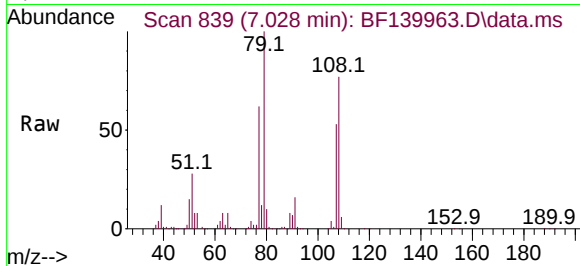
Tgt Ion:146 Resp: 489916  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.4 77.2  
111 44.4 36.7 55.1





#15  
Benzyl Alcohol  
Concen: 44.525 ng  
RT: 7.028 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

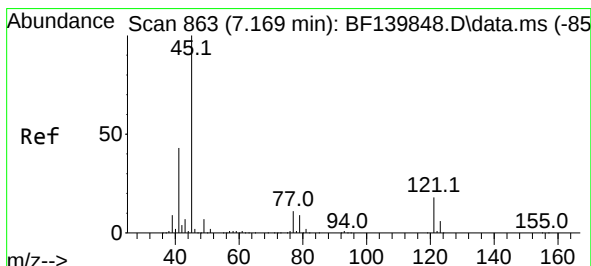
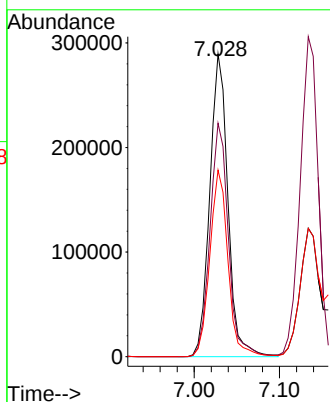
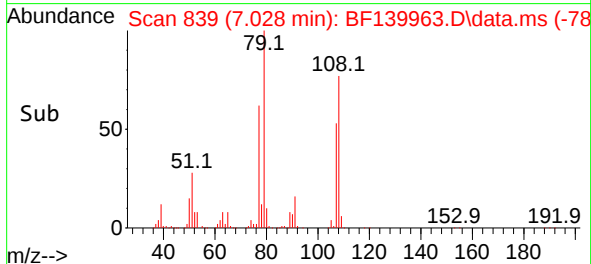
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



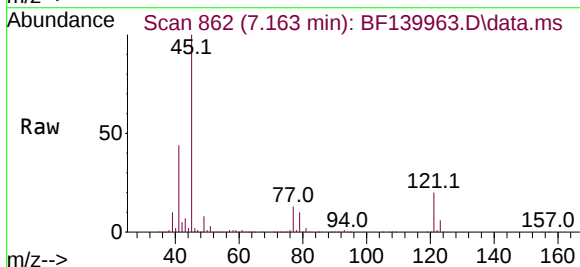
Tgt Ion: 79 Resp: 42853  
Ion Ratio Lower Upper  
79 100  
108 77.1 61.4 92.0  
77 61.6 49.9 74.9

Manual Integrations  
APPROVED

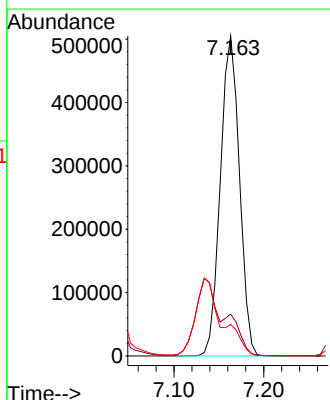
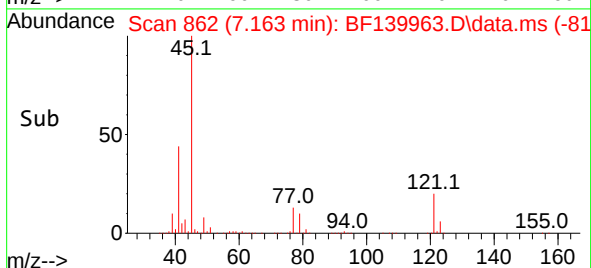
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

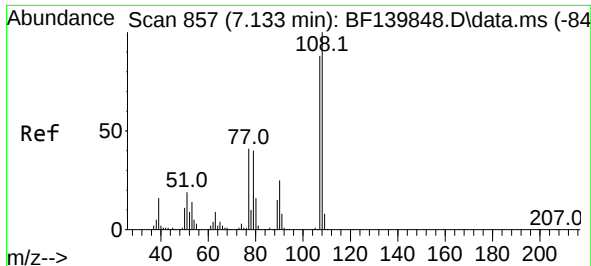


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.800 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion: 45 Resp: 745202  
Ion Ratio Lower Upper  
45 100  
77 13.1 0.0 31.5  
79 9.8 0.0 29.1





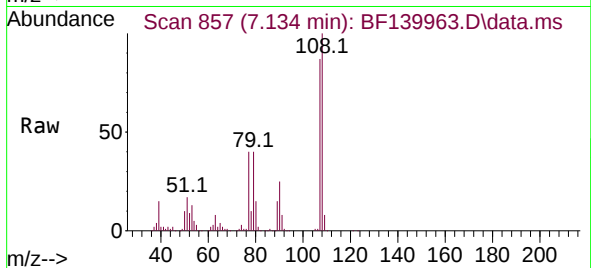
#17  
2-Methylphenol  
Concen: 43.927 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

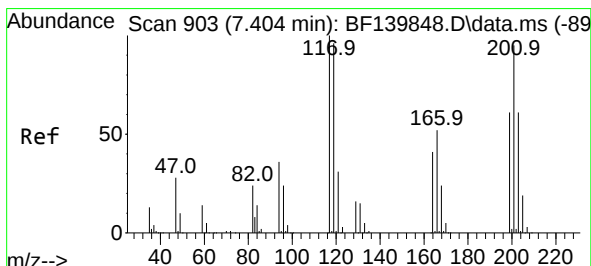
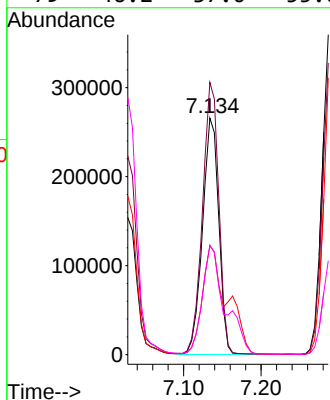
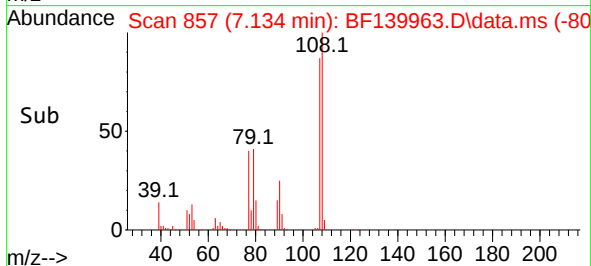


Tgt Ion:107 Resp: 38792  
Ion Ratio Lower Upper  
107 100  
108 115.1 91.3 136.9  
77 46.1 37.1 55.7  
79 46.2 37.0 55.6

Manual Integrations

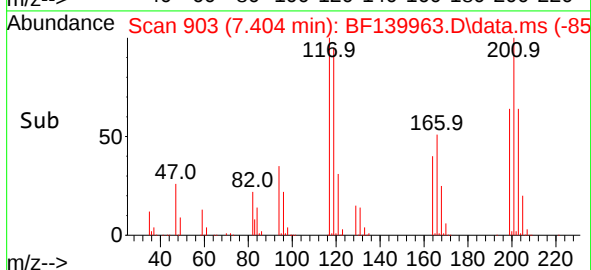
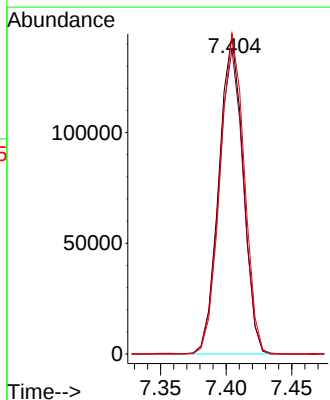
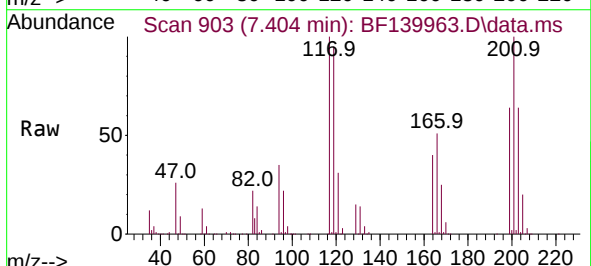
APPROVED

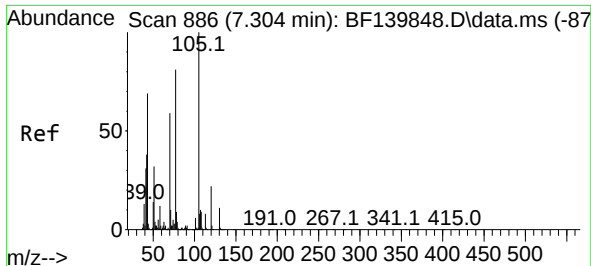
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#18  
Hexachloroethane  
Concen: 43.515 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:117 Resp: 184304  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.0 115.4  
201 100.4 76.2 114.4





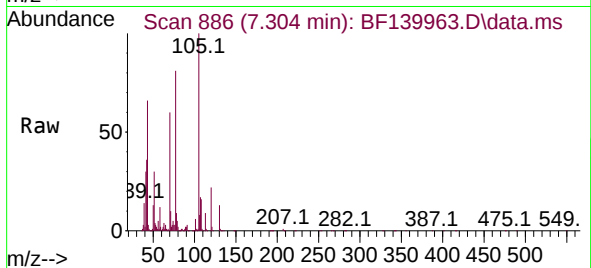
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.176 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

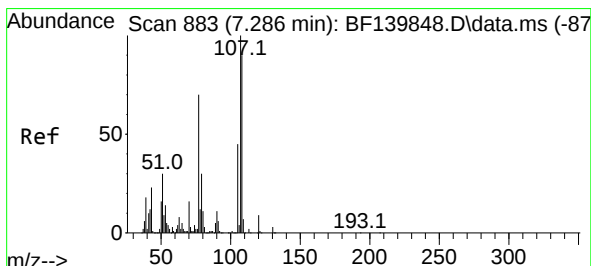
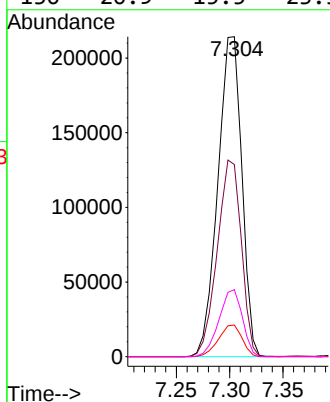
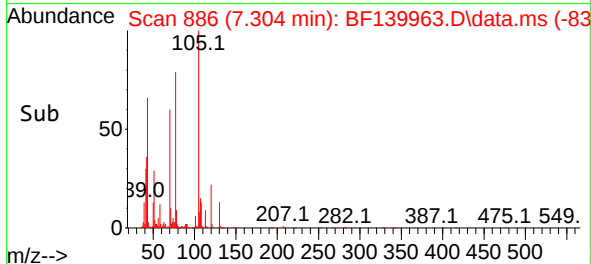
PB164286BS



Tgt Ion: 70 Resp: 335629  
Ion Ratio Lower Upper  
70 100  
42 60.1 51.5 77.3  
101 9.9 7.5 11.3  
130 20.9 15.5 23.3

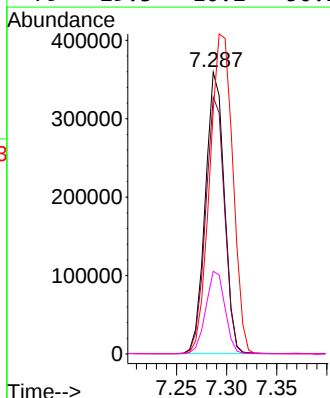
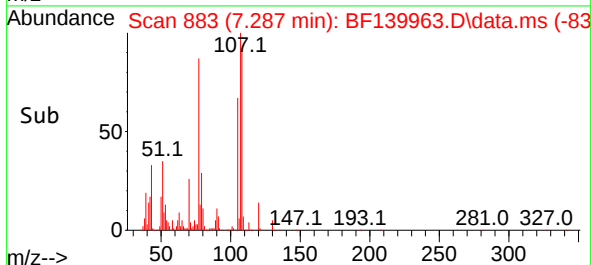
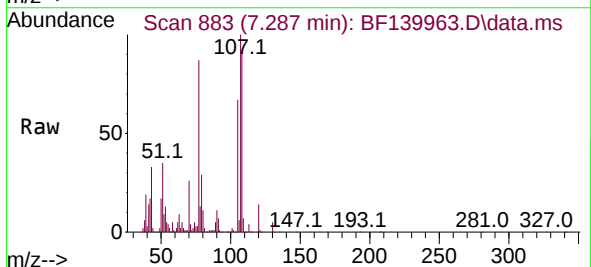
Manual Integrations  
APPROVED

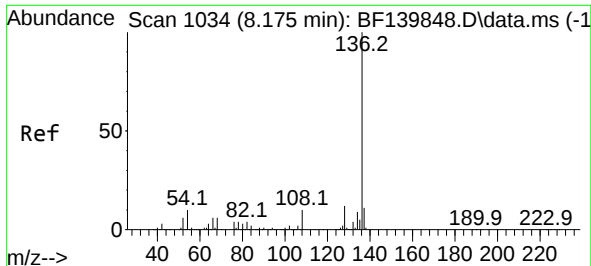
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#20  
3+4-Methylphenols  
Concen: 42.012 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:107 Resp: 474544  
Ion Ratio Lower Upper  
107 100  
108 91.2 69.8 109.8  
77 86.5 50.5 90.5  
79 29.3 10.2 50.2





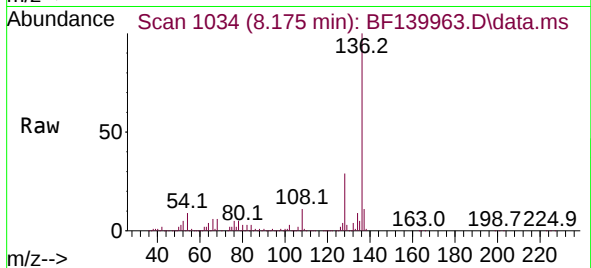
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

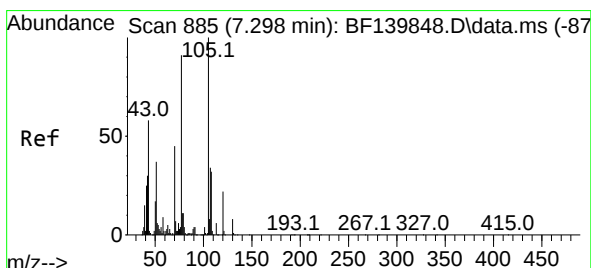
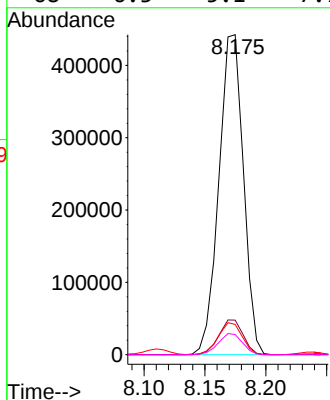
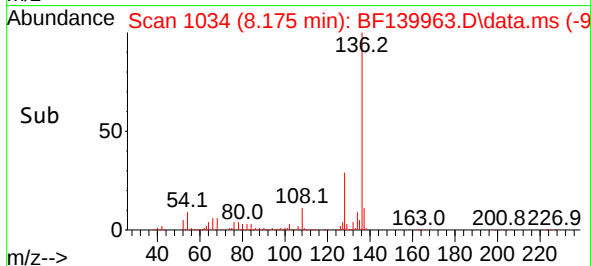


Tgt Ion:136 Resp: 62087  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 12.8  
54 9.5 8.4 12.6  
68 6.3 5.1 7.7

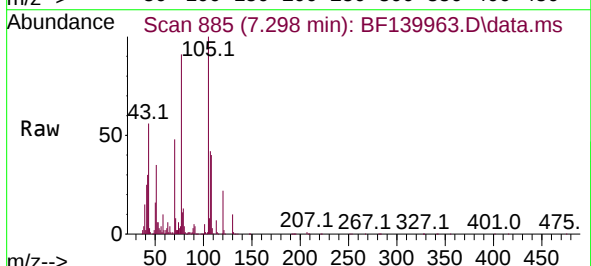
Manual Integrations

APPROVED

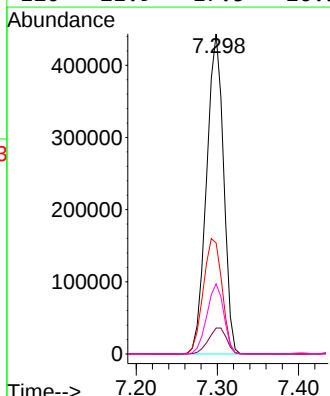
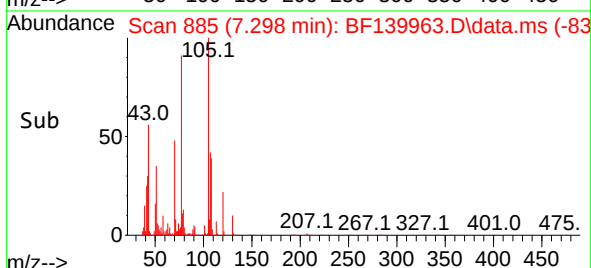
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

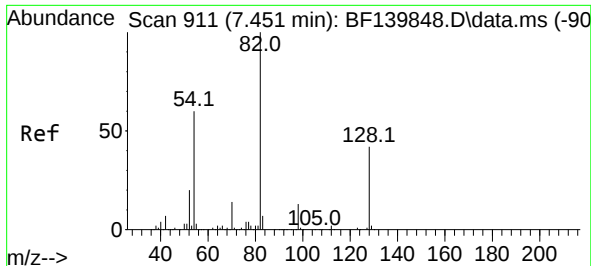


#22  
Acetophenone  
Concen: 42.400 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:105 Resp: 644789  
Ion Ratio Lower Upper  
105 100  
71 8.1 5.9 8.9  
51 34.7 29.4 44.2  
120 21.9 17.5 26.3





#23  
Nitrobenzene-d5  
Concen: 91.814 ng  
RT: 7.451 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

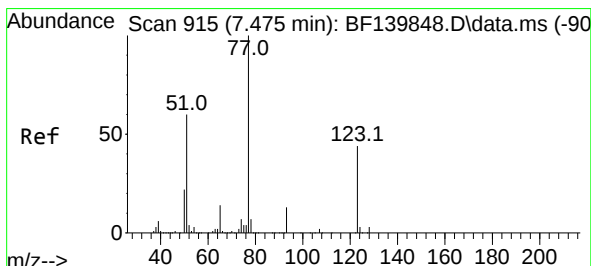
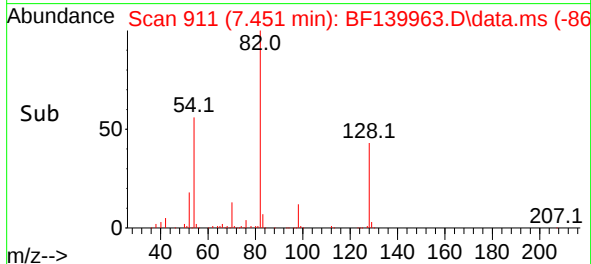
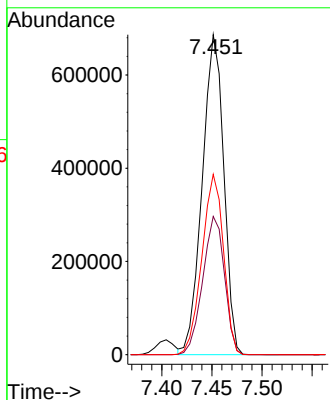
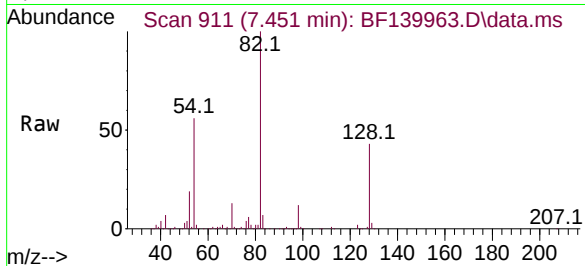
ClientSampleId :

PB164286BS

Tgt Ion: 82 Resp: 102852  
Ion Ratio Lower Upper  
82 100  
128 43.2 33.4 50.0  
54 56.4 47.8 71.8

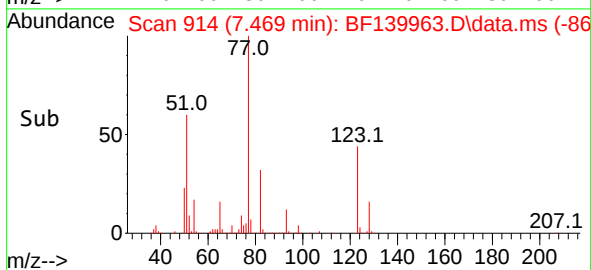
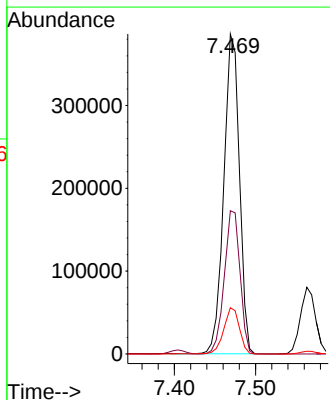
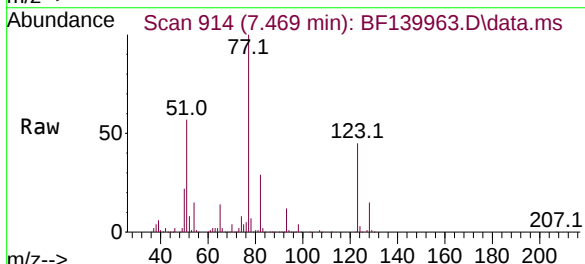
Manual Integrations  
APPROVED

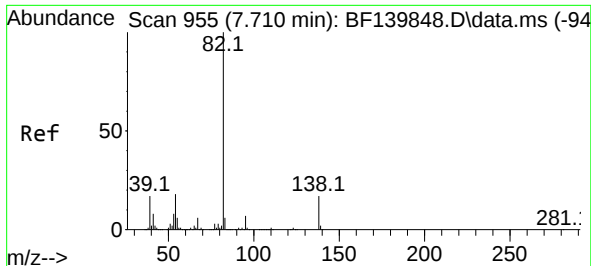
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#24  
Nitrobenzene  
Concen: 42.103 ng  
RT: 7.469 min Scan# 914  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

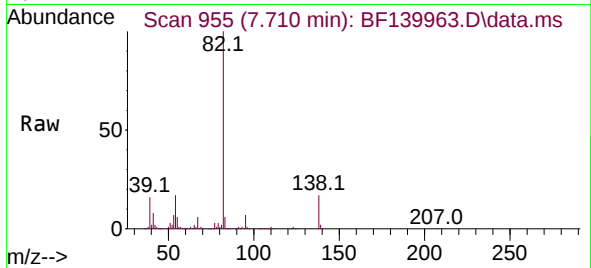
Tgt Ion: 77 Resp: 517121  
Ion Ratio Lower Upper  
77 100  
123 44.8 35.7 53.5  
65 14.4 11.5 17.3





#25  
Isophorone  
Concen: 43.671 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

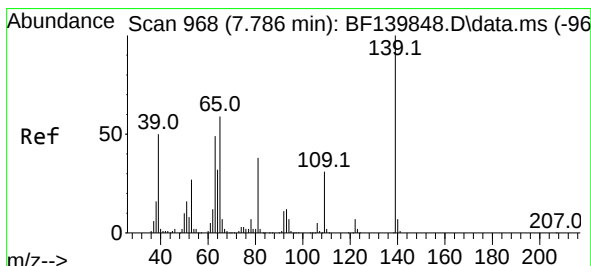
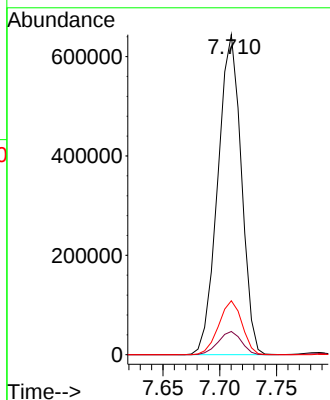
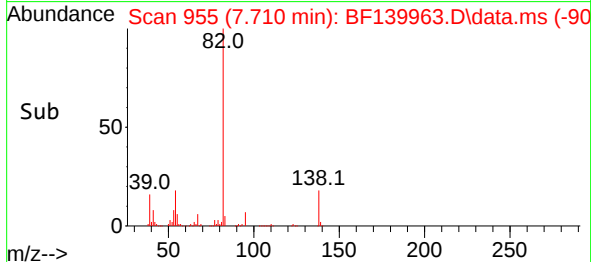
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



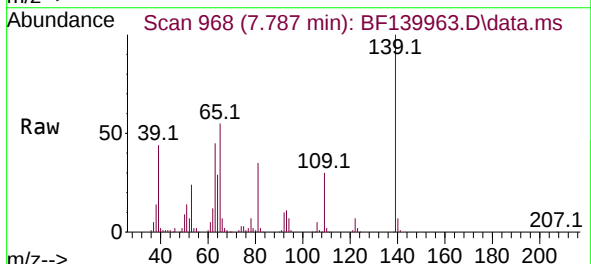
Tgt Ion: 82 Resp: 928529  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.5 8.3  
138 16.9 13.2 19.8

Manual Integrations  
APPROVED

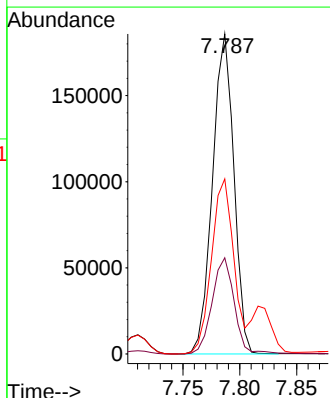
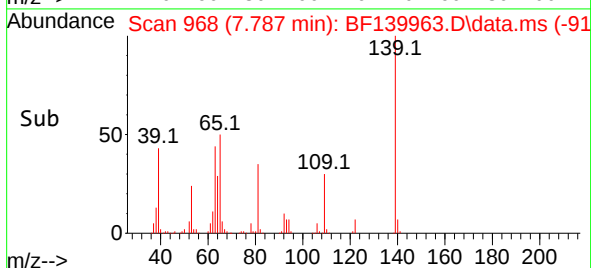
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

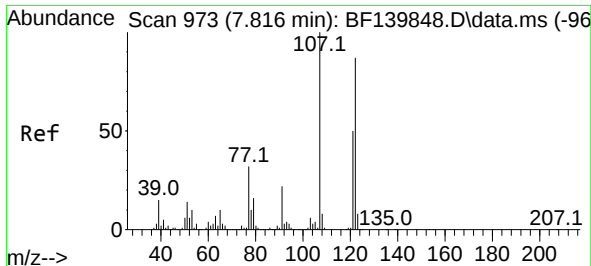


#26  
2-Nitrophenol  
Concen: 52.464 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



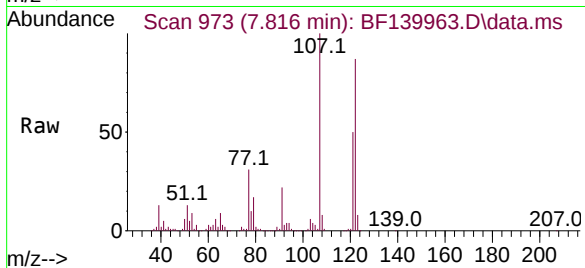
Tgt Ion:139 Resp: 243091  
Ion Ratio Lower Upper  
139 100  
109 30.0 25.1 37.7  
65 54.7 47.5 71.3





#27  
2,4-Dimethylphenol  
Concen: 51.225 ng  
RT: 7.816 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

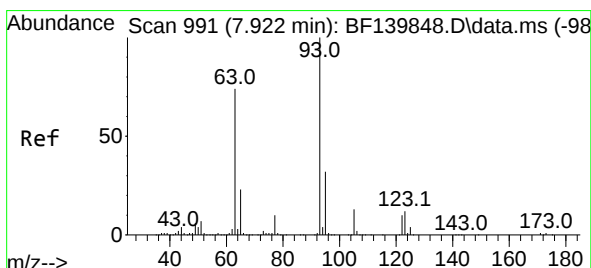
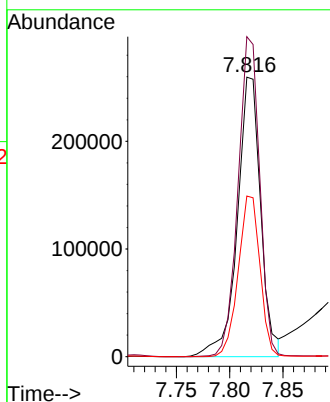
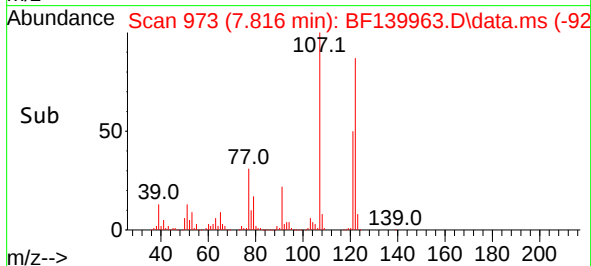
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



Tgt Ion:122 Resp: 39577  
Ion Ratio Lower Upper  
122 100  
107 114.5 91.9 137.9  
121 57.5 46.2 69.4

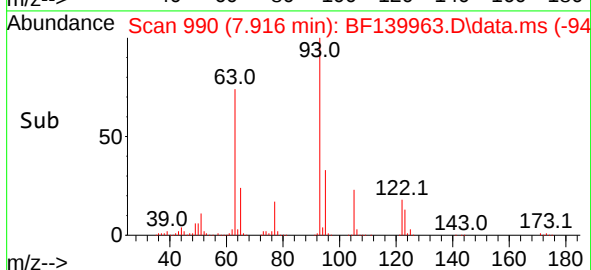
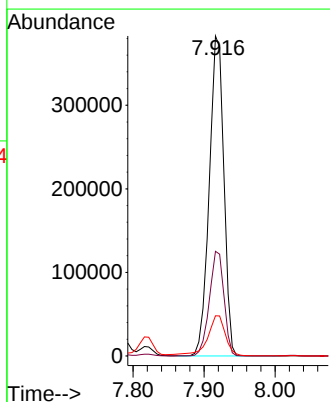
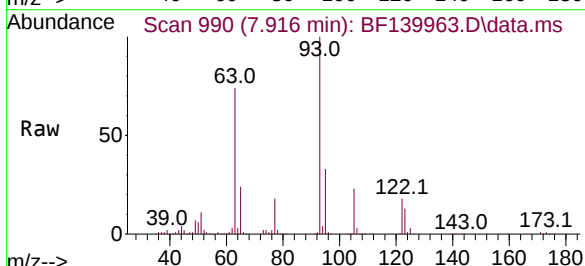
Manual Integrations  
APPROVED

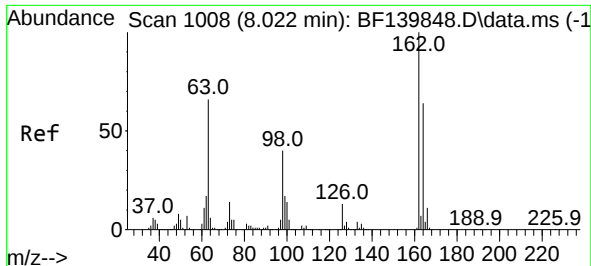
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.491 ng  
RT: 7.916 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion: 93 Resp: 547368  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.0 39.0  
123 12.6 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 44.178 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

Tgt Ion:162 Resp: 38877

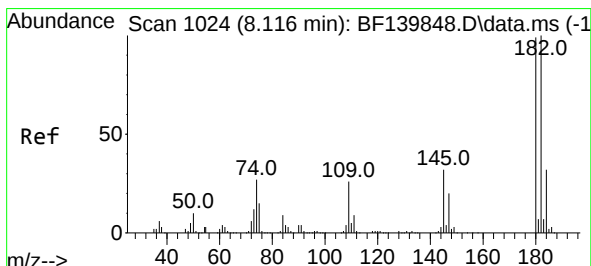
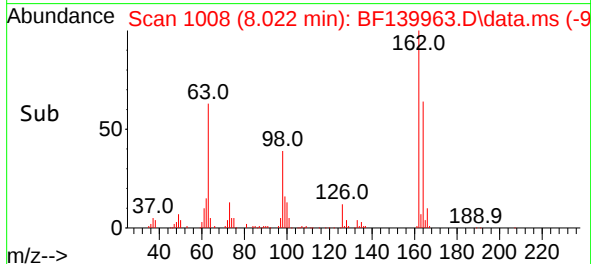
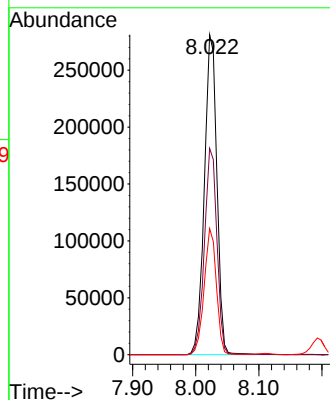
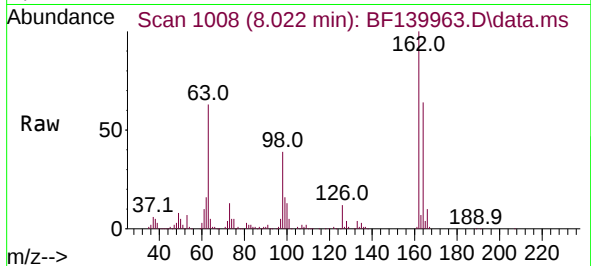
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 64.4  | 43.9  | 83.9  |
| 98  | 39.4  | 19.9  | 59.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#30

1,2,4-Trichlorobenzene

Concen: 41.971 ng

RT: 8.110 min Scan# 1023

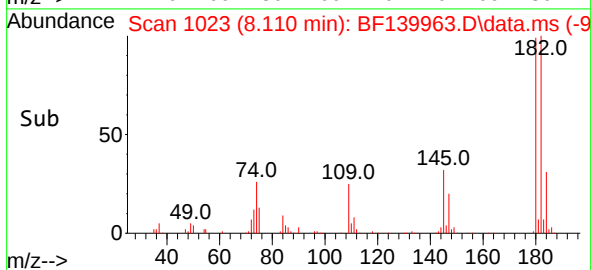
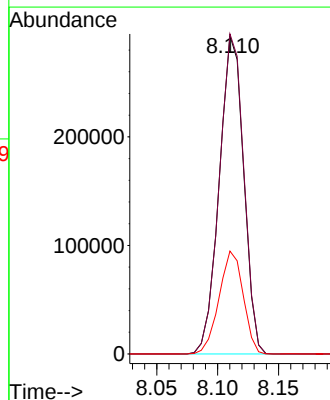
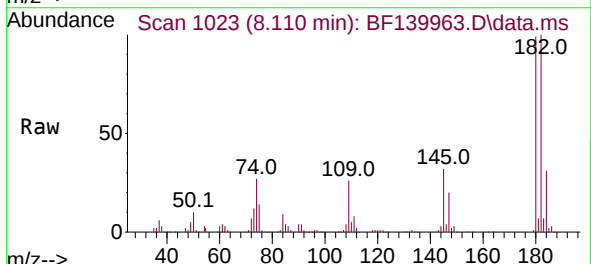
Delta R.T. -0.006 min

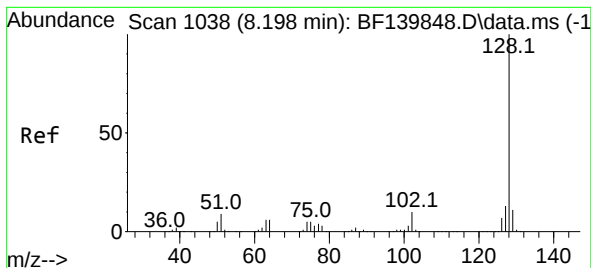
Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Tgt Ion:180 Resp: 408692

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 100.5 | 80.5  | 120.7 |
| 145 | 32.3  | 25.4  | 38.0  |





#31

Naphthalene

Concen: 42.824 ng

RT: 8.193 min Scan# 1037

Delta R.T. -0.006 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

Tgt Ion:128 Resp: 137125

Ion Ratio Lower Upper

128 100

129 11.3 8.9 13.3

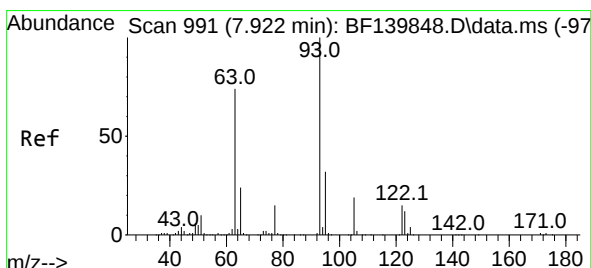
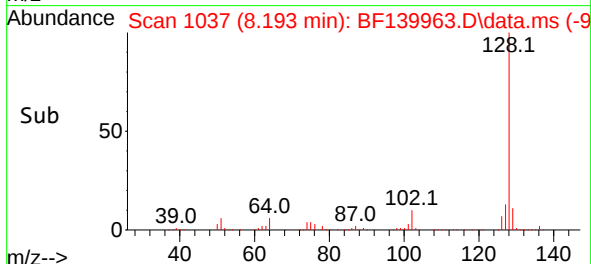
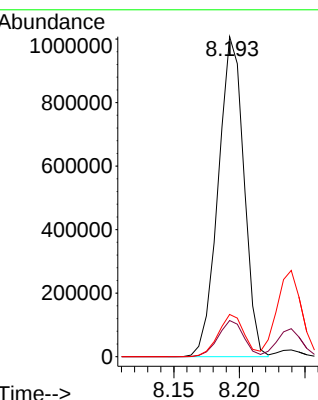
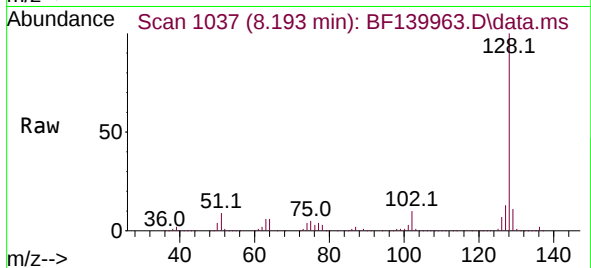
127 13.2 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#32

Benzoic acid

Concen: 45.032 ng

RT: 7.928 min Scan# 992

Delta R.T. 0.006 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

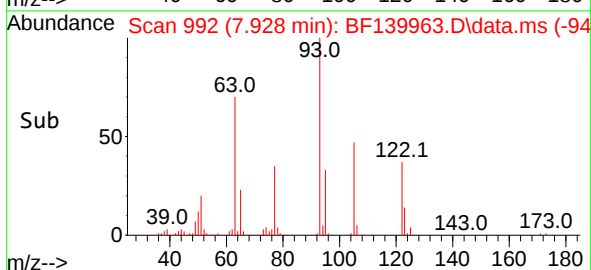
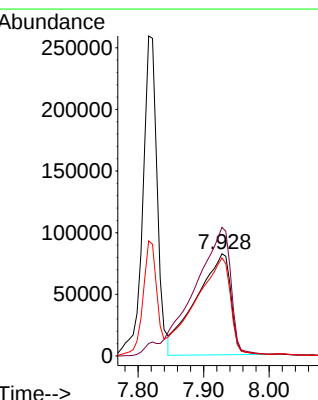
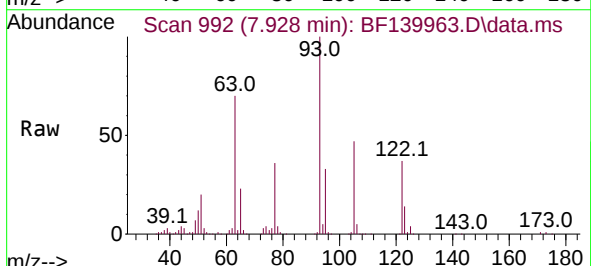
Tgt Ion:122 Resp: 303453

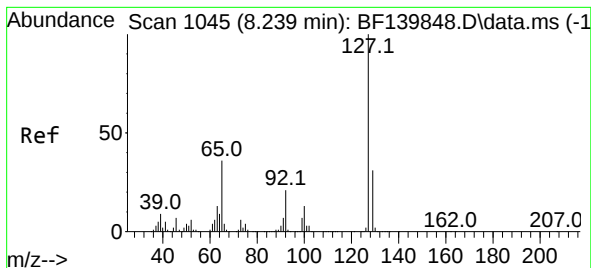
Ion Ratio Lower Upper

122 100

105 125.8 107.6 147.6

77 95.8 80.2 120.2





#33  
4-Chloroaniline  
Concen: 32.945 ng  
RT: 8.240 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

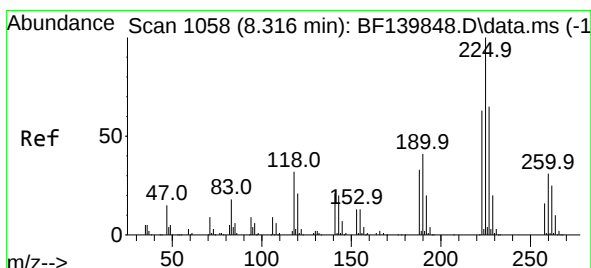
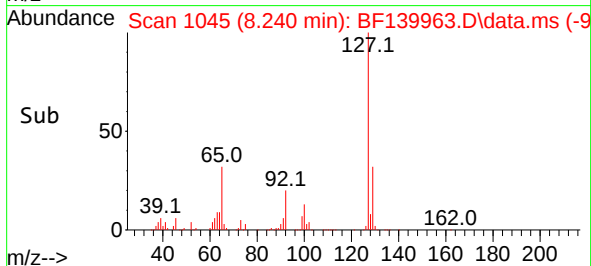
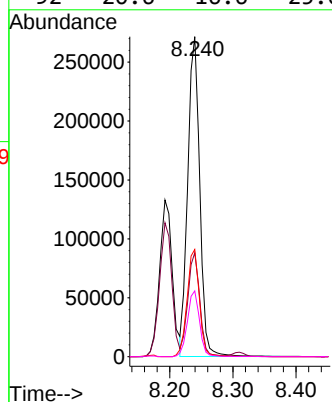
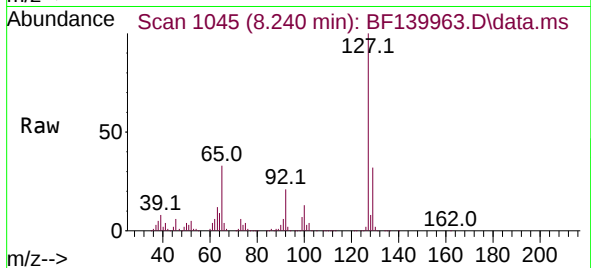
PB164286BS

Tgt Ion:127 Resp: 35972  
Ion Ratio Lower Upper  
127 100  
129 32.5 25.4 38.2  
65 33.5 28.4 42.6  
92 20.6 16.6 25.0

Manual Integrations

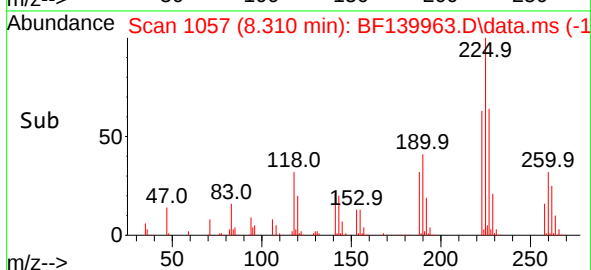
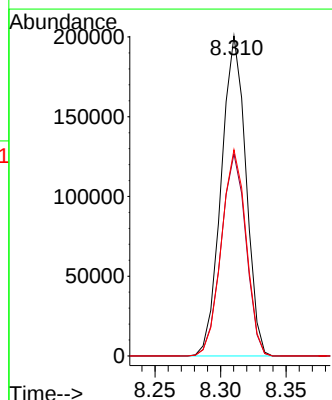
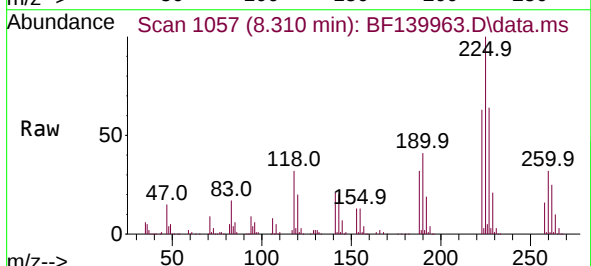
APPROVED

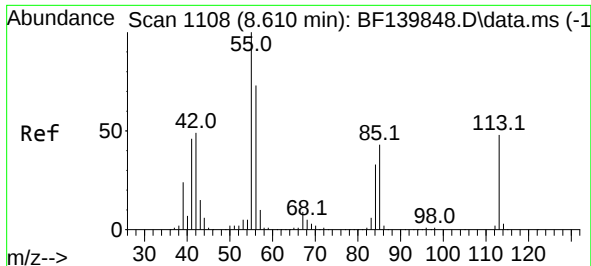
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#34  
Hexachlorobutadiene  
Concen: 42.876 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:225 Resp: 262325  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.6 76.0  
227 64.4 51.8 77.8





#35  
 Caprolactam  
 Concen: 46.123 ng m  
 RT: 8.604 min Scan# 1107  
 Delta R.T. -0.006 min  
 Lab File: BF139963.D  
 Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

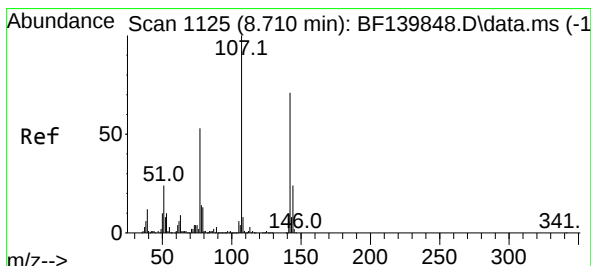
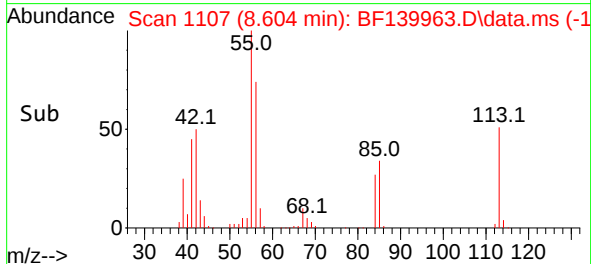
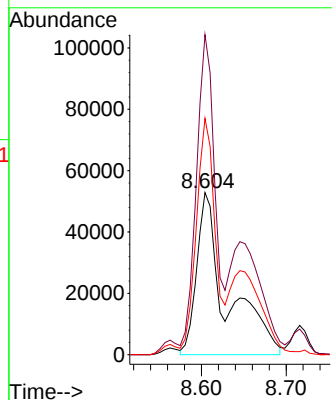
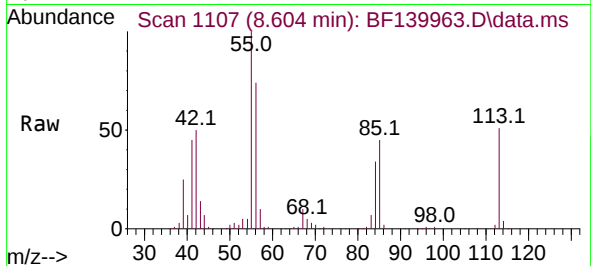
PB164286BS

Tgt Ion:113 Resp: 129060  
 Ion Ratio Lower Upper  
 113 100  
 55 197.4 189.2 229.2  
 56 145.8 132.5 172.5

Manual Integrations

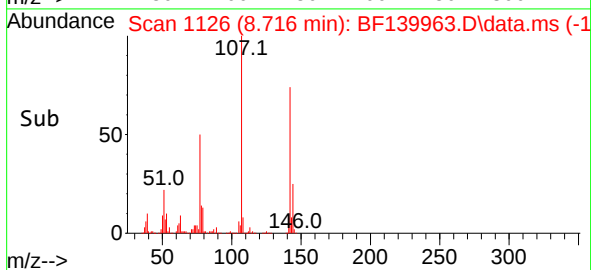
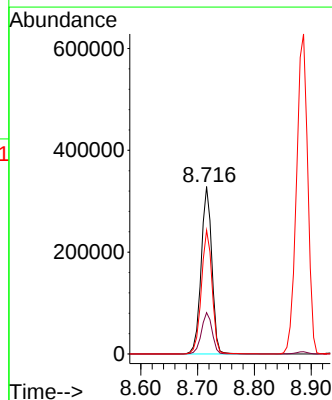
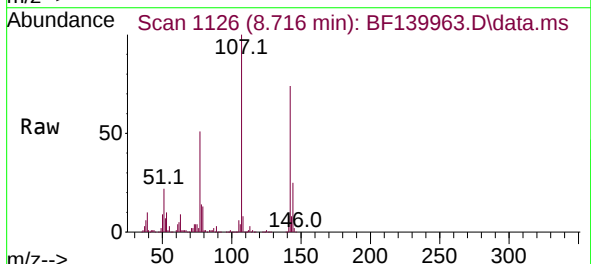
APPROVED

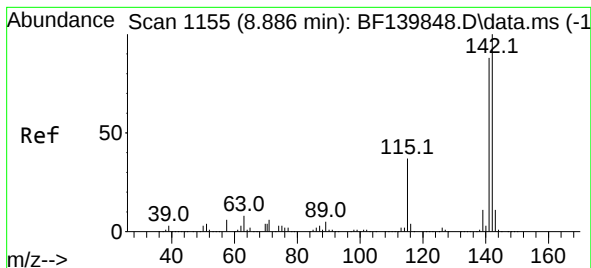
Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.218 ng  
 RT: 8.716 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF139963.D  
 Acq: 23 Oct 2024 14:33

Tgt Ion:107 Resp: 430883  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 19.1 28.7  
 142 73.8 57.2 85.8





#37  
2-Methylnaphthalene  
Concen: 43.751 ng  
RT: 8.887 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

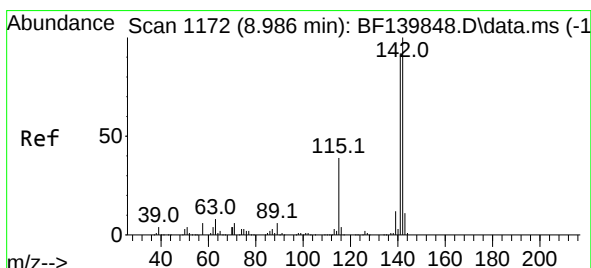
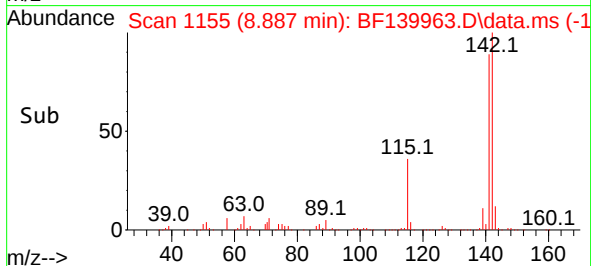
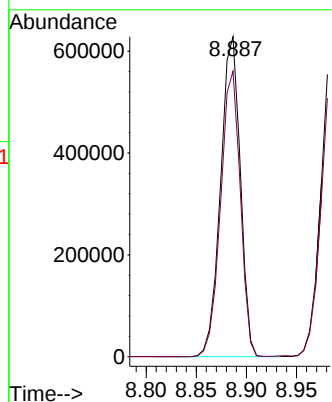
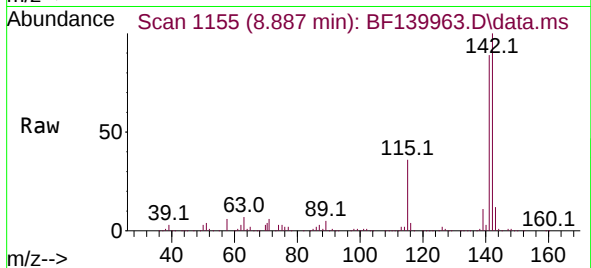
PB164286BS

Tgt Ion:142 Resp: 857990  
Ion Ratio Lower Upper  
142 100  
141 89.2 70.8 106.2

Manual Integrations

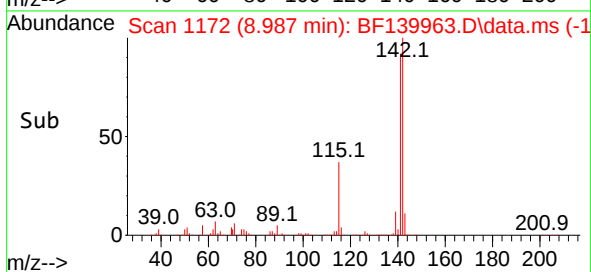
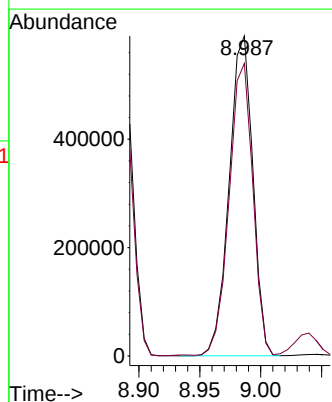
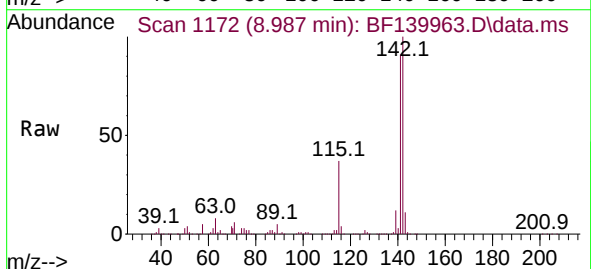
APPROVED

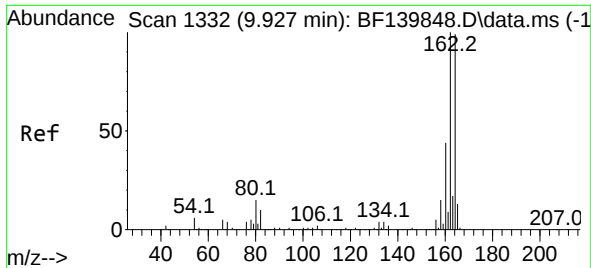
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#38  
1-Methylnaphthalene  
Concen: 41.525 ng  
RT: 8.987 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:142 Resp: 798971  
Ion Ratio Lower Upper  
142 100  
141 91.4 73.5 110.3





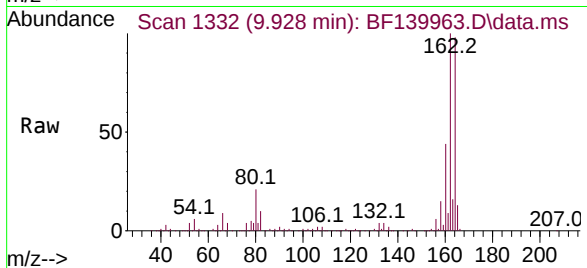
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 1183  
Delta R.T. 0.001 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

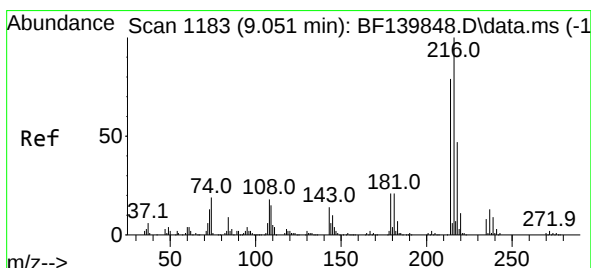
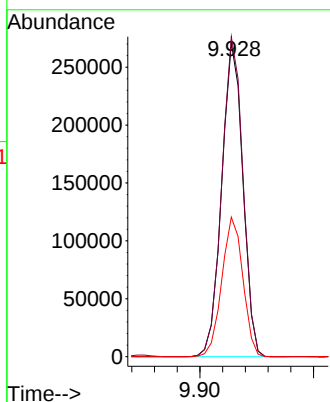
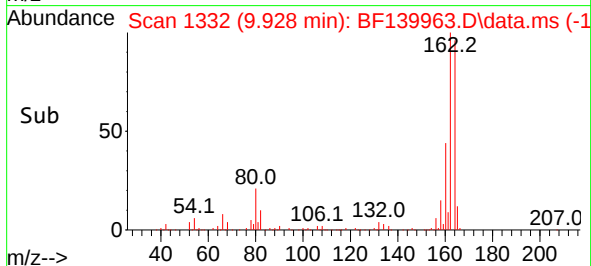


Tgt Ion:164 Resp: 35022  
Ion Ratio Lower Upper  
164 100  
162 102.0 81.0 121.4  
160 44.5 35.4 53.0

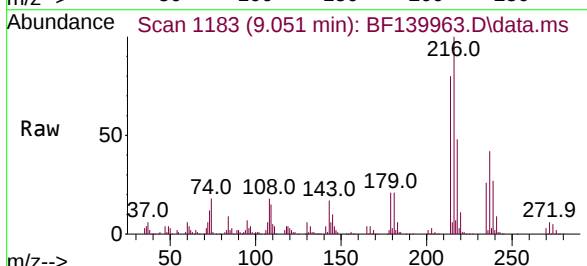
Manual Integrations

APPROVED

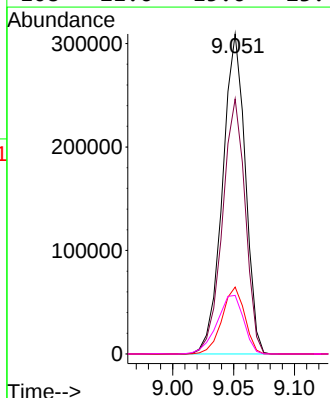
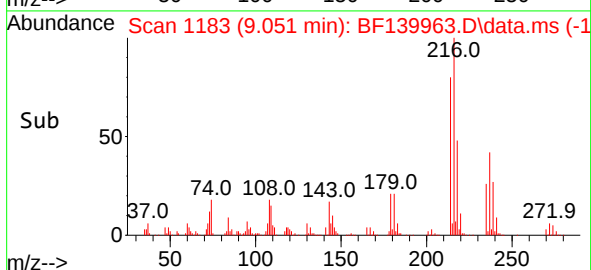
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

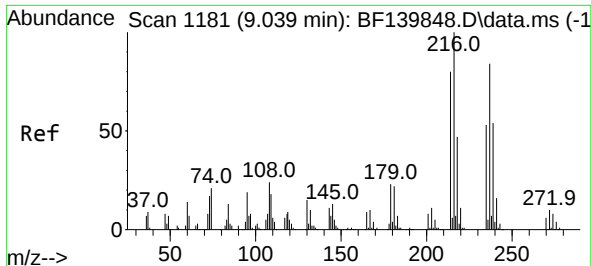


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.567 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:216 Resp: 402191  
Ion Ratio Lower Upper  
216 100  
214 79.5 63.4 95.0  
179 20.8 17.2 25.8  
108 21.6 15.6 23.4





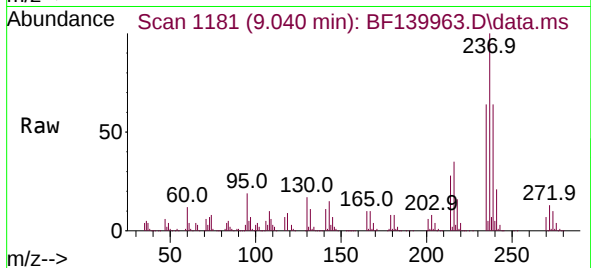
#41  
Hexachlorocyclopentadiene  
Concen: 159.761 ng  
RT: 9.040 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

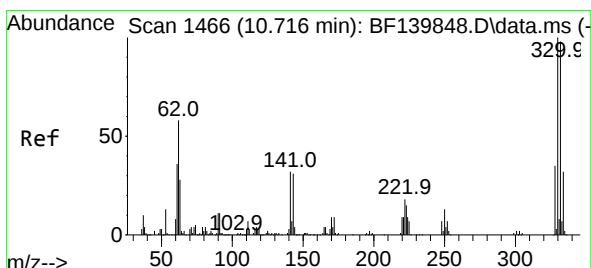
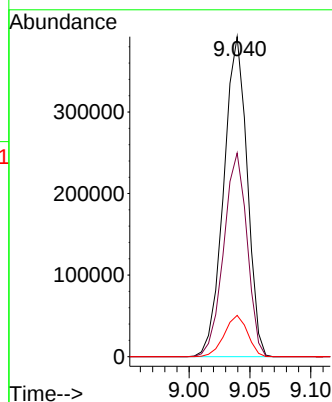
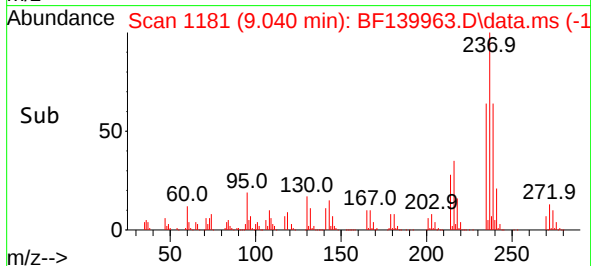


Tgt Ion:237 Resp: 525230  
Ion Ratio Lower Upper  
237 100  
235 63.7 42.9 82.9  
272 12.9 0.0 32.3

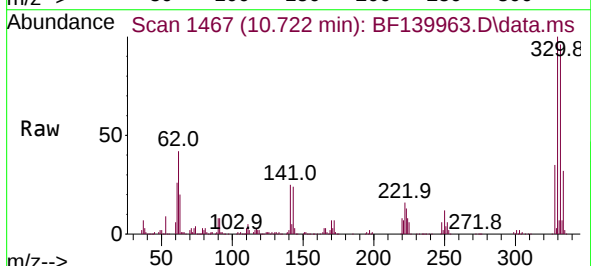
Manual Integrations

APPROVED

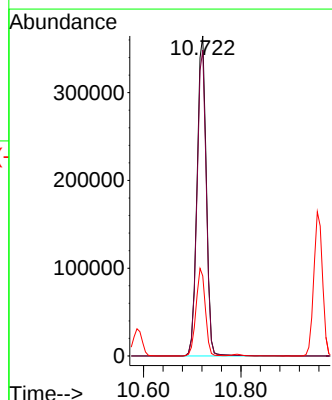
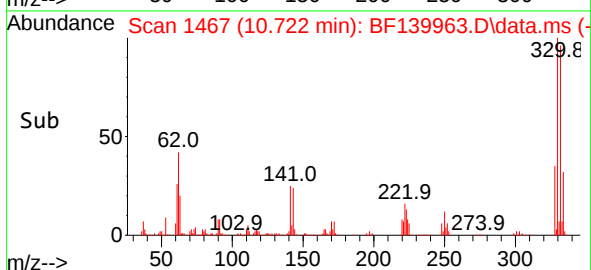
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

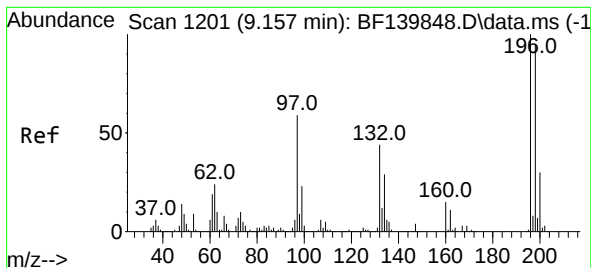


#42  
2,4,6-Tribromophenol  
Concen: 147.420 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



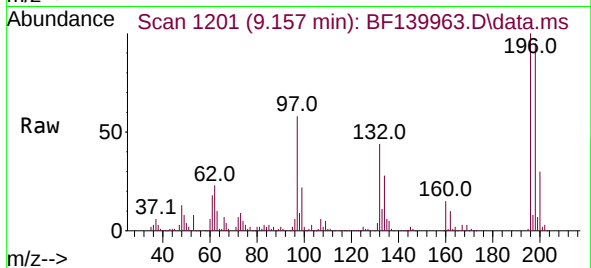
Tgt Ion:330 Resp: 482928  
Ion Ratio Lower Upper  
330 100  
332 95.8 78.1 117.1  
141 27.6 26.6 39.8





#43  
2,4,6-Trichlorophenol  
Concen: 46.578 ng  
RT: 9.157 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

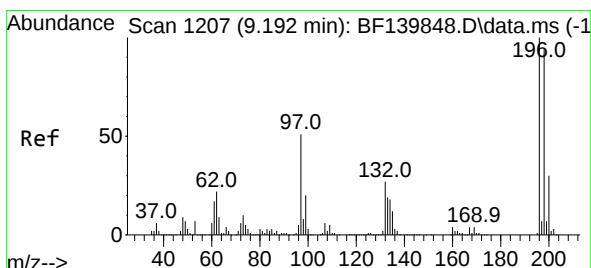
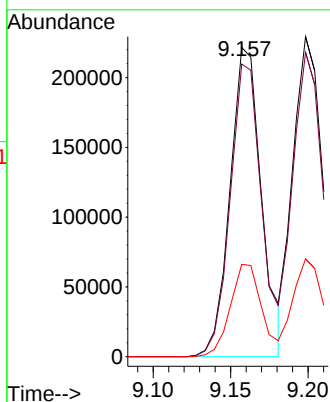
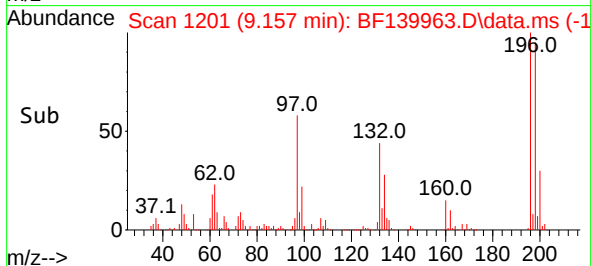
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



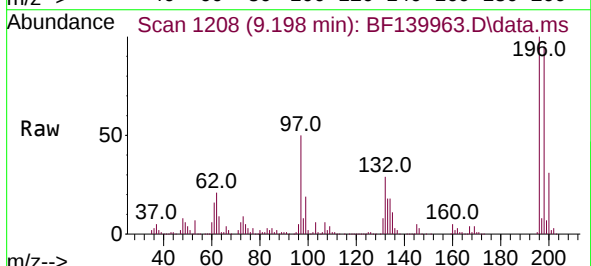
Tgt Ion:196 Resp: 31158  
Ion Ratio Lower Upper  
196 100  
198 94.6 76.2 114.2  
200 29.9 24.0 36.0

Manual Integrations  
APPROVED

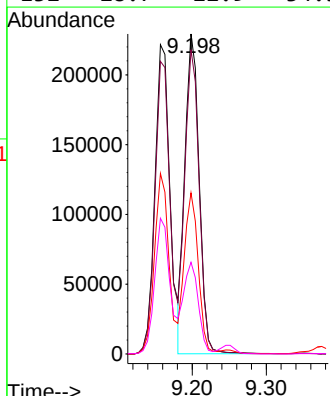
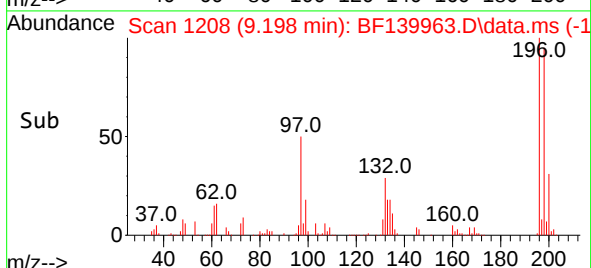
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

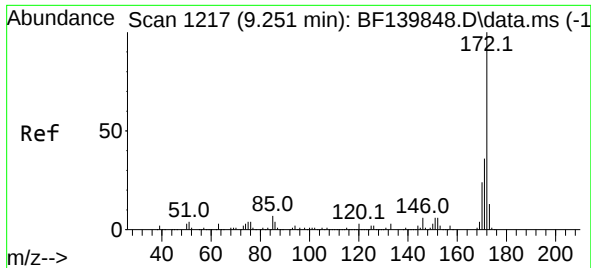


#44  
2,4,5-Trichlorophenol  
Concen: 44.687 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:196 Resp: 308415  
Ion Ratio Lower Upper  
196 100  
198 95.1 75.8 113.6  
97 50.4 41.8 62.6  
132 28.7 22.9 34.3





#45  
2-Fluorobiphenyl  
Concen: 86.525 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

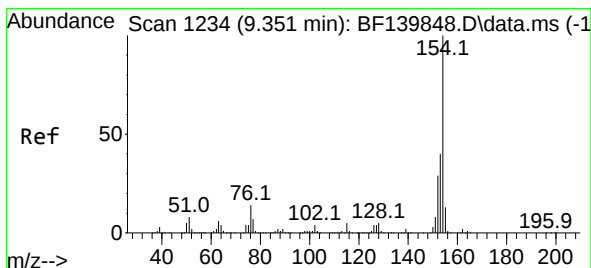
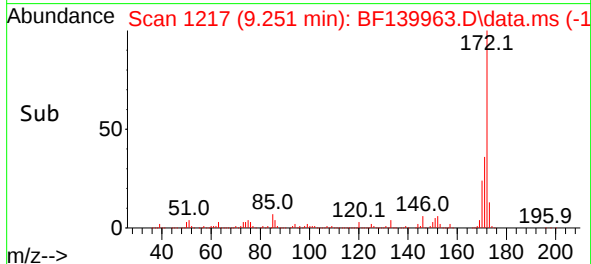
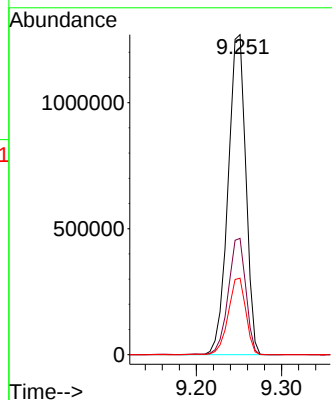
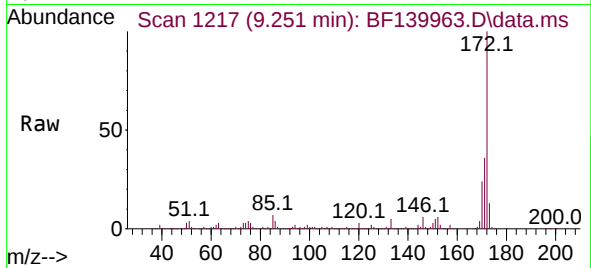
PB164286BS

Tgt Ion:172 Resp: 1833539  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.6 43.0  
170 23.9 19.1 28.7

Manual Integrations

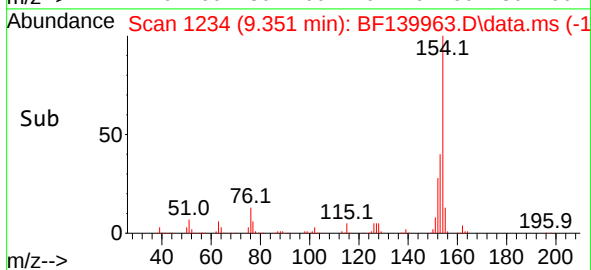
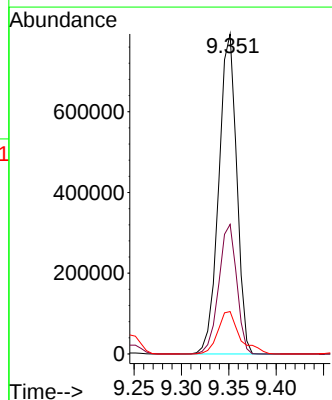
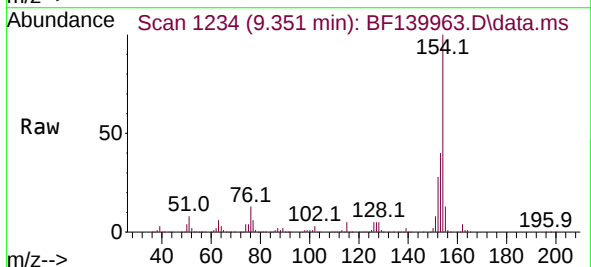
APPROVED

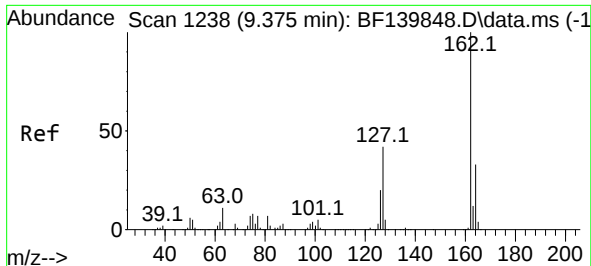
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#46  
1,1'-Biphenyl  
Concen: 42.778 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:154 Resp: 1042962  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.3 60.3  
76 13.2 0.0 33.9





#47

2-Chloronaphthalene

Concen: 42.145 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

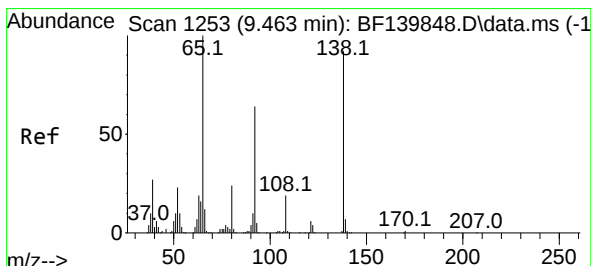
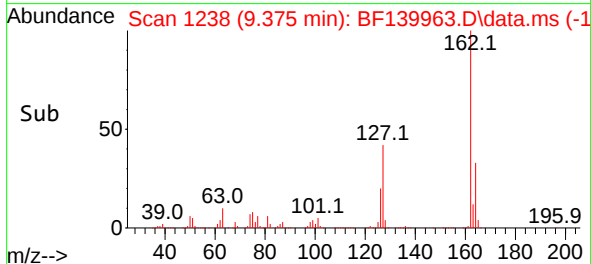
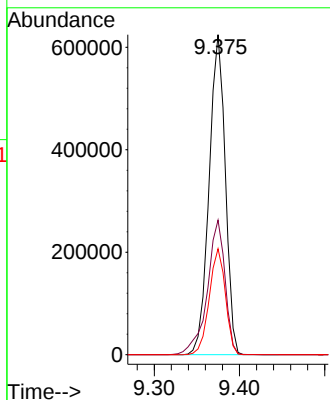
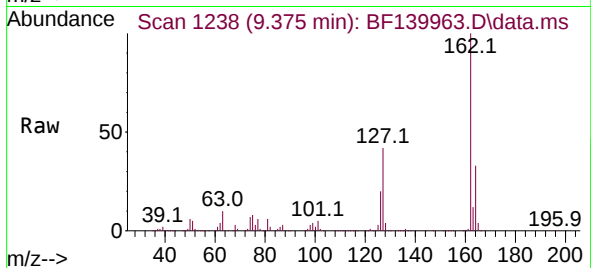
ClientSampleId :

PB164286BS

Tgt Ion:162 Resp: 82758  
 Ion Ratio Lower Upper  
 162 100  
 127 42.1 33.8 50.6  
 164 33.1 26.6 39.8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/25/2024



#48

2-Nitroaniline

Concen: 48.623 ng

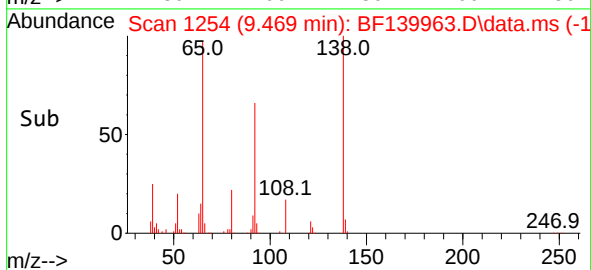
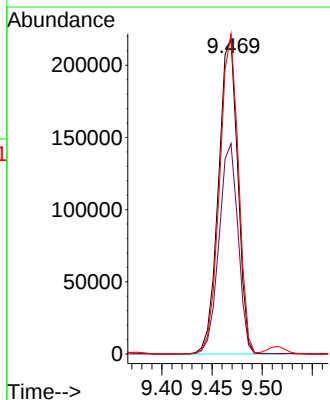
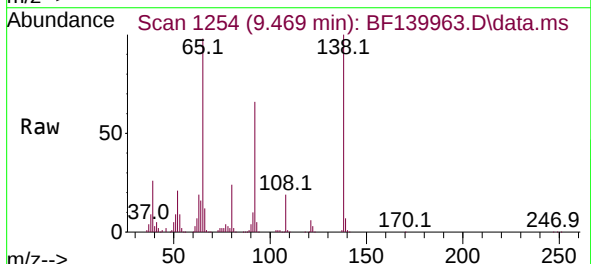
RT: 9.469 min Scan# 1254

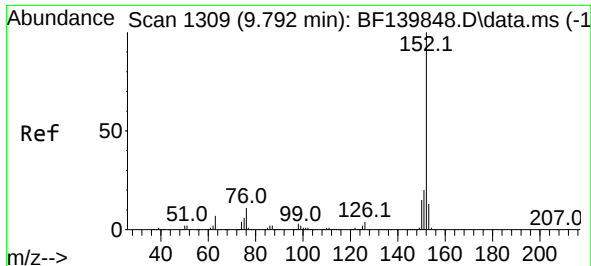
Delta R.T. 0.006 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Tgt Ion: 65 Resp: 292014  
 Ion Ratio Lower Upper  
 65 100  
 92 66.8 50.9 76.3  
 138 101.6 73.4 110.0





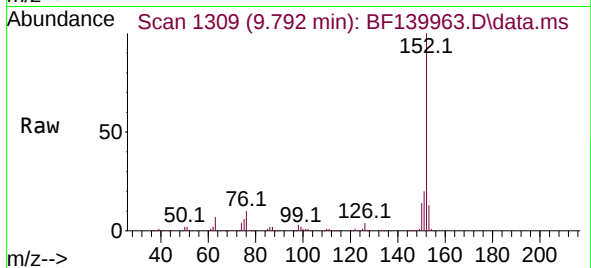
#49  
Acenaphthylene  
Concen: 45.675 ng  
RT: 9.792 min Scan# 1309  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

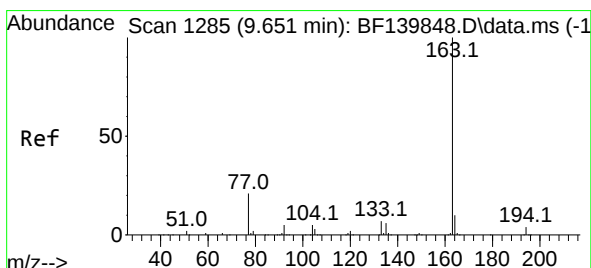
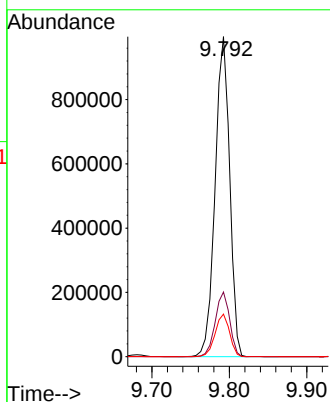
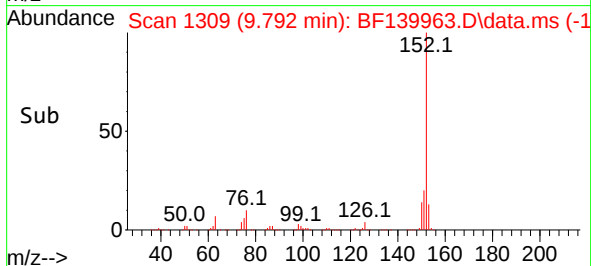


Tgt Ion:152 Resp: 1296649  
Ion Ratio Lower Upper  
152 100  
151 20.2 15.9 23.9  
153 13.3 10.7 16.1

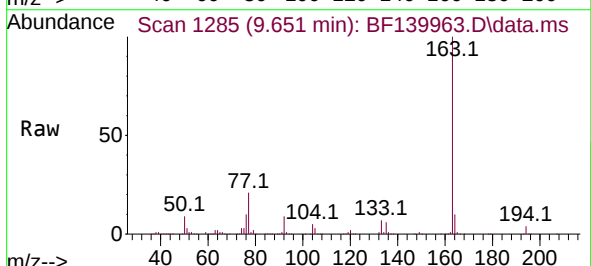
Manual Integrations

APPROVED

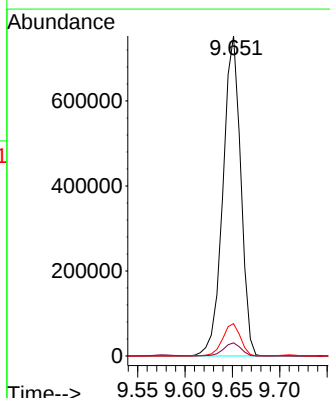
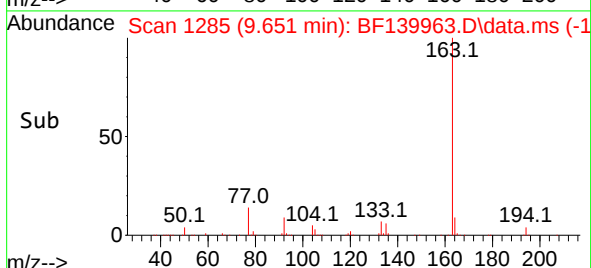
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

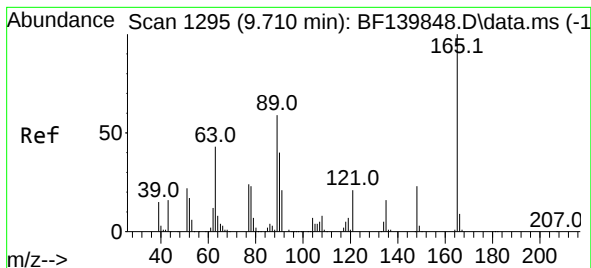


#50  
Dimethylphthalate  
Concen: 45.117 ng  
RT: 9.651 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:163 Resp: 984207  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.1 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 46.591 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

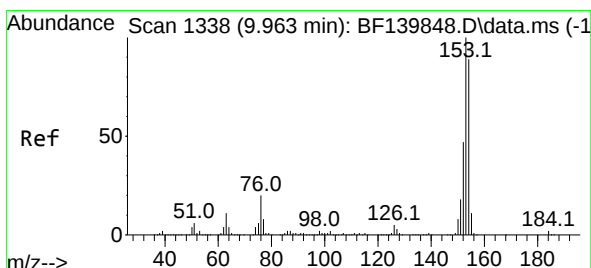
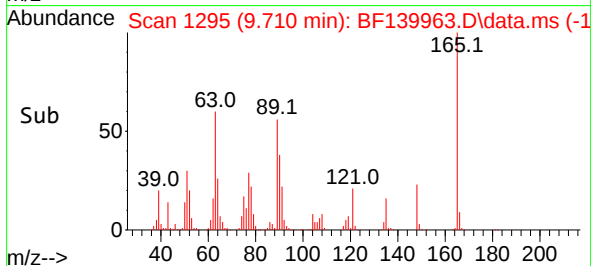
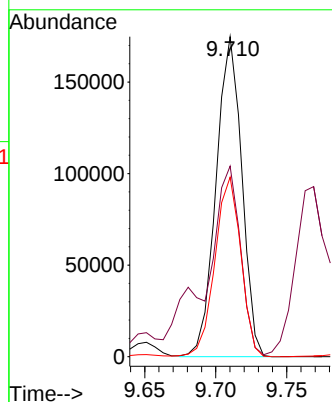
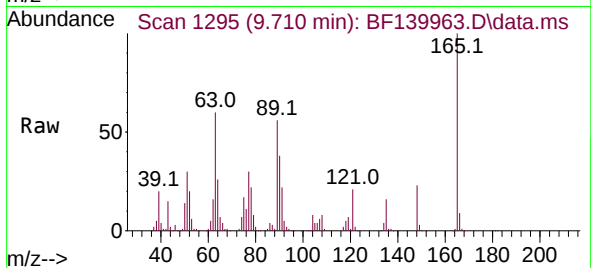
PB164286BS

Tgt Ion:165 Resp: 22006  
Ion Ratio Lower Upper  
165 100  
63 59.6 50.6 75.8  
89 56.1 47.5 71.3

Manual Integrations

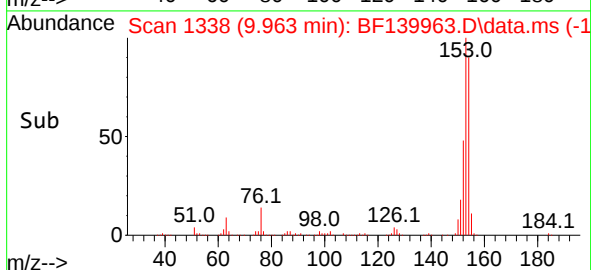
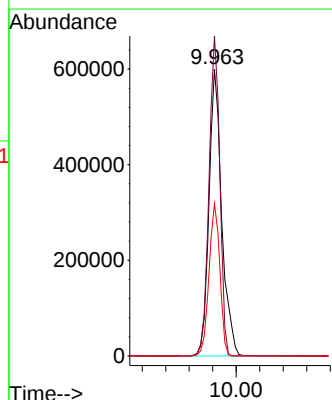
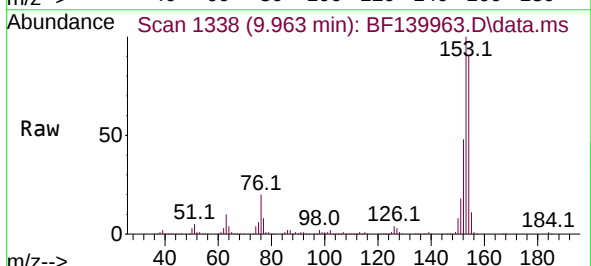
APPROVED

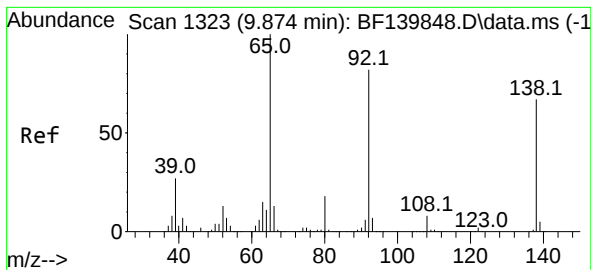
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#52  
Acenaphthene  
Concen: 49.071 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:154 Resp: 901159  
Ion Ratio Lower Upper  
154 100  
153 111.6 89.8 134.6  
152 53.2 42.4 63.6





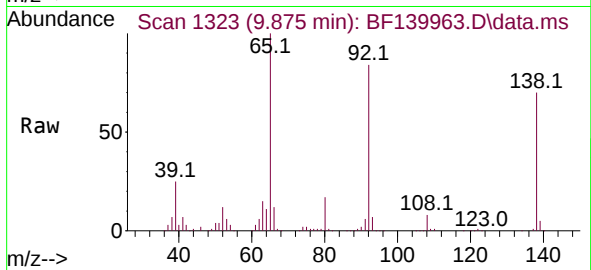
#53  
3-Nitroaniline  
Concen: 36.368 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

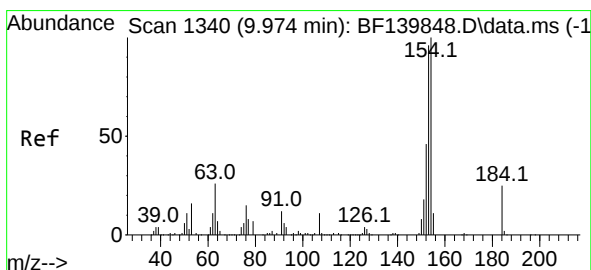
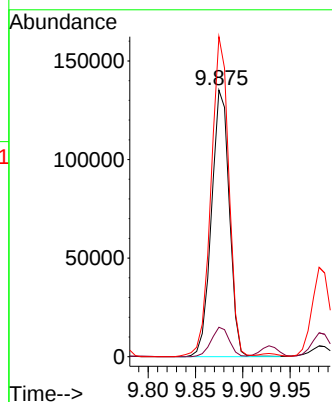
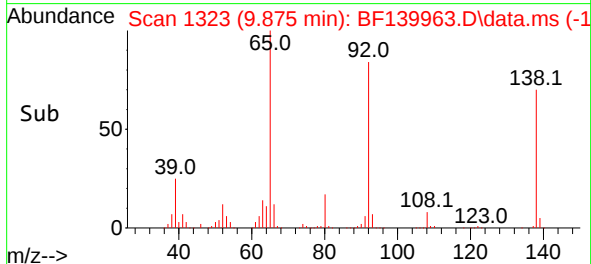


Tgt Ion:138 Resp: 177145  
Ion Ratio Lower Upper  
138 100  
108 11.0 10.2 15.2  
92 120.1 98.3 147.5

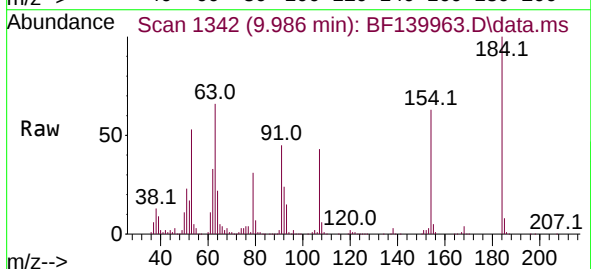
Manual Integrations

APPROVED

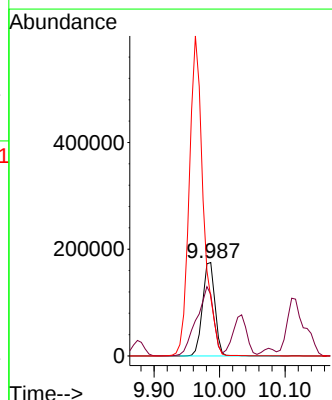
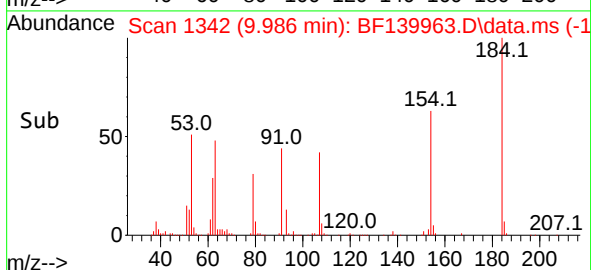
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

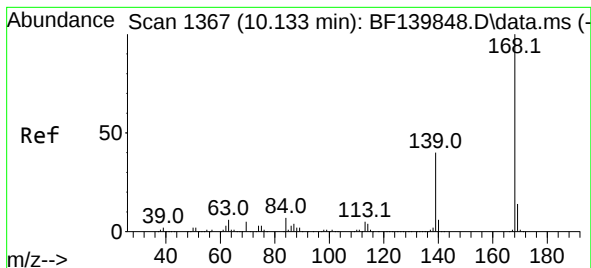


#54  
2,4-Dinitrophenol  
Concen: 115.216 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



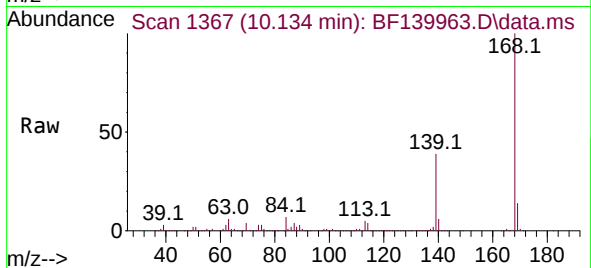
Tgt Ion:184 Resp: 232244  
Ion Ratio Lower Upper  
184 100  
63 65.9 84.7 127.1#  
154 62.8 338.2 507.2#





#55  
Dibenzofuran  
Concen: 43.467 ng  
RT: 10.134 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

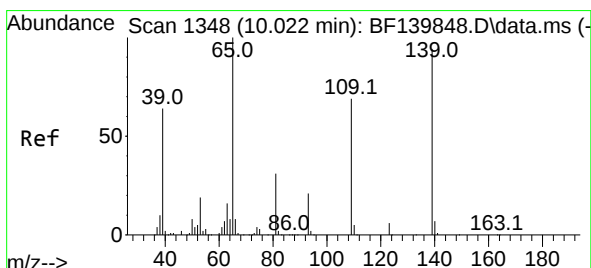
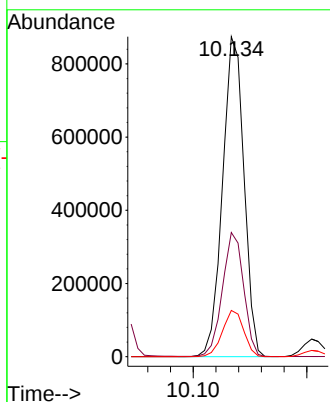
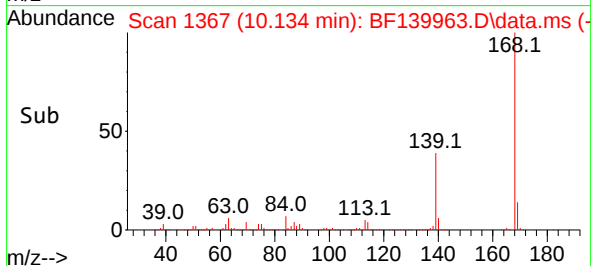
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



Tgt Ion:168 Resp: 1145279  
Ion Ratio Lower Upper  
168 100  
139 38.8 31.8 47.6  
169 14.4 11.6 17.4

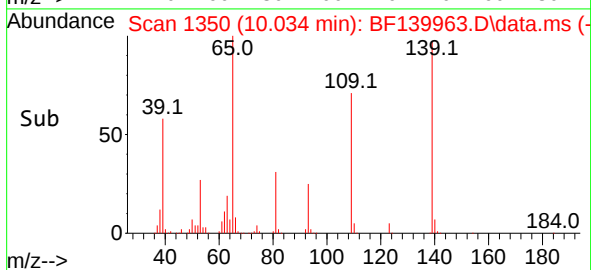
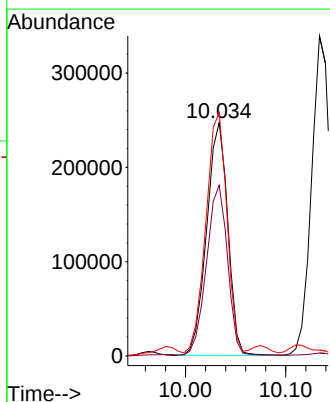
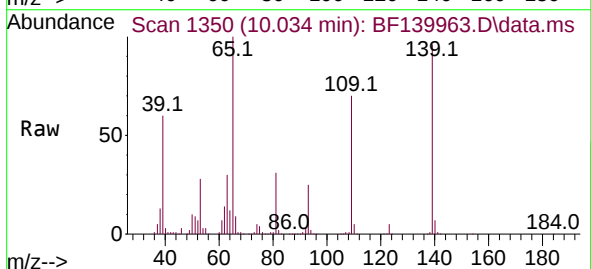
Manual Integrations  
APPROVED

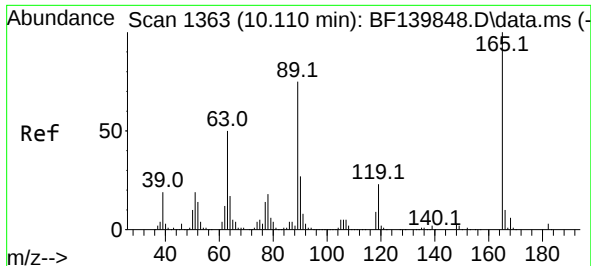
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#56  
4-Nitrophenol  
Concen: 96.682 ng  
RT: 10.034 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:139 Resp: 362307  
Ion Ratio Lower Upper  
139 100  
109 73.1 53.6 93.6  
65 104.3 87.8 127.8





#57  
2,4-Dinitrotoluene  
Concen: 50.843 ng  
RT: 10.116 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

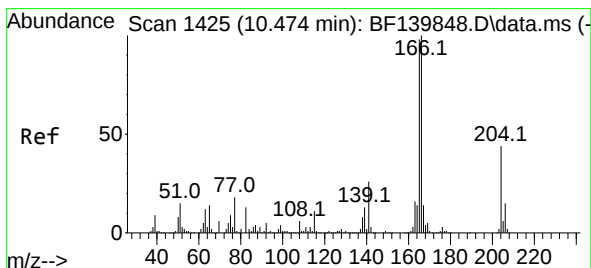
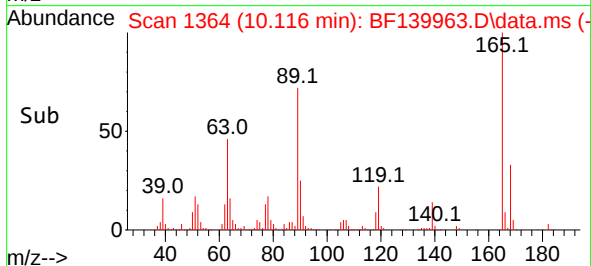
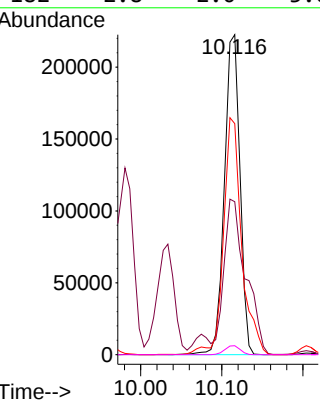
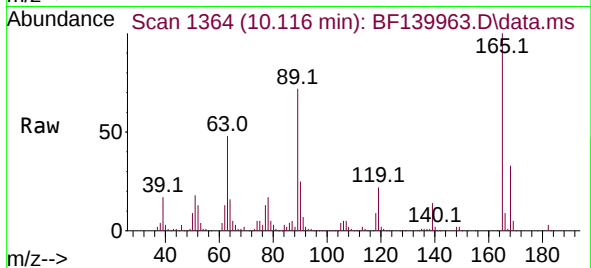
PB164286BS

Tgt Ion:165 Resp: 295318  
Ion Ratio Lower Upper  
165 100  
63 47.8 40.1 60.1  
89 72.2 60.4 90.6  
182 2.8 2.0 3.0

Manual Integrations

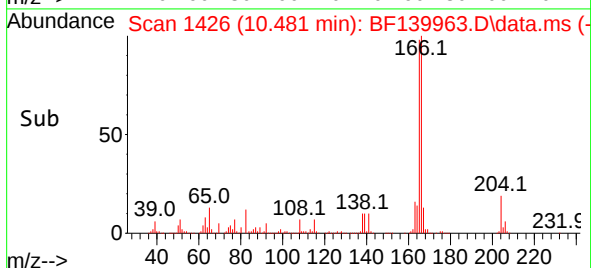
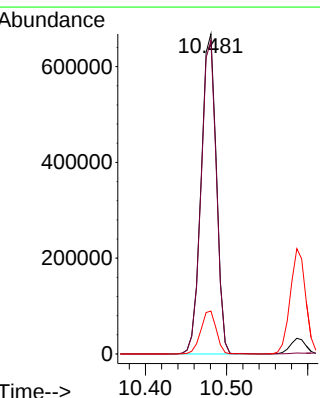
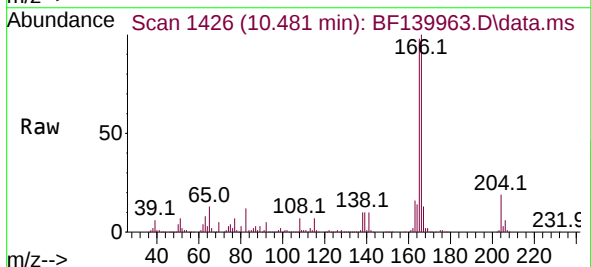
APPROVED

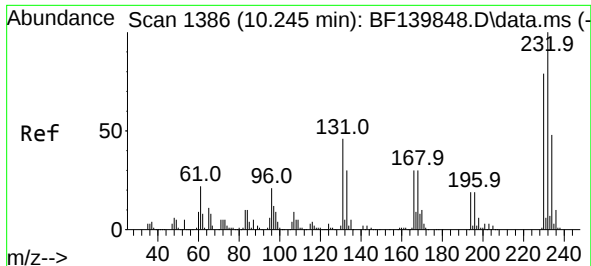
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#58  
Fluorene  
Concen: 43.389 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:166 Resp: 870747  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.5 117.7  
167 13.4 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.921 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

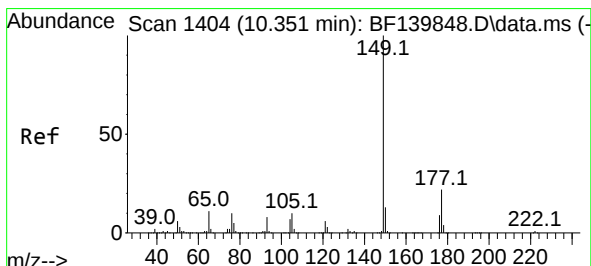
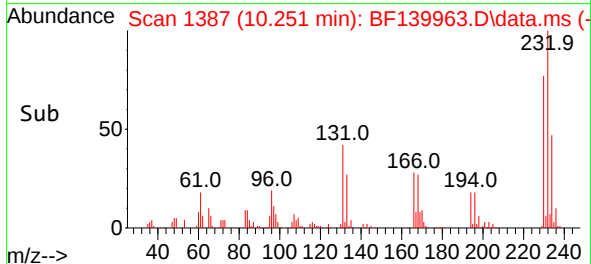
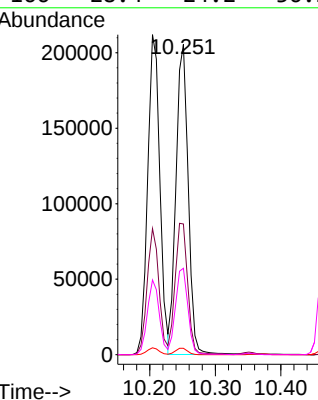
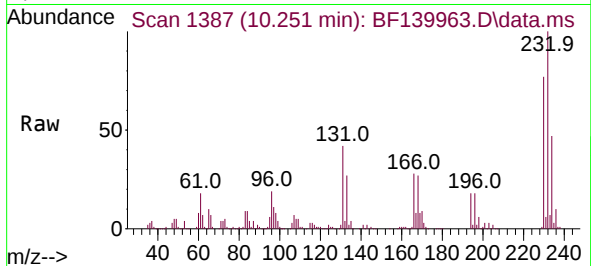
PB164286BS

Tgt Ion:232 Resp: 264684  
Ion Ratio Lower Upper  
232 100  
131 43.7 37.0 55.6  
130 2.1 1.9 2.9  
166 28.4 24.2 36.2

Manual Integrations

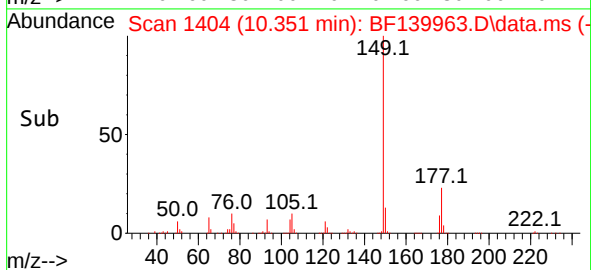
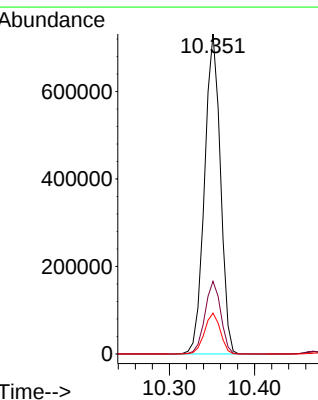
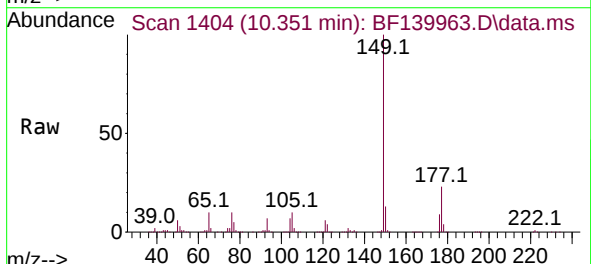
APPROVED

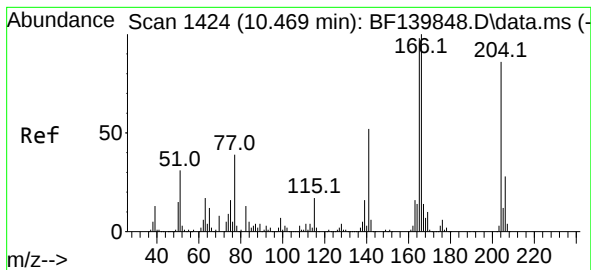
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#60  
Diethylphthalate  
Concen: 44.157 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

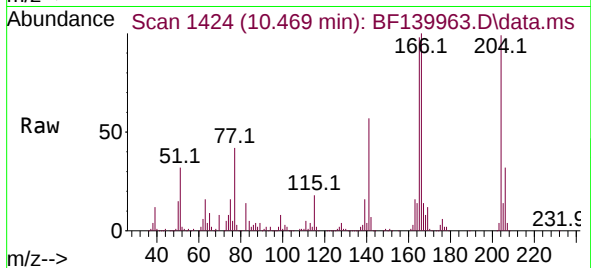
Tgt Ion:149 Resp: 945782  
Ion Ratio Lower Upper  
149 100  
177 22.7 17.9 26.9  
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 44.165 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

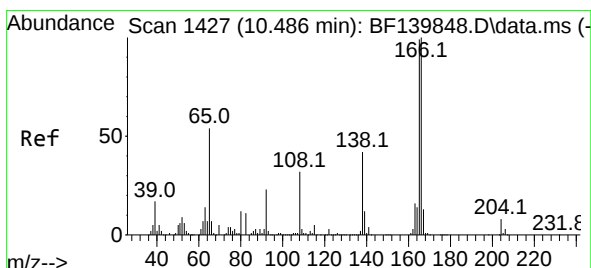
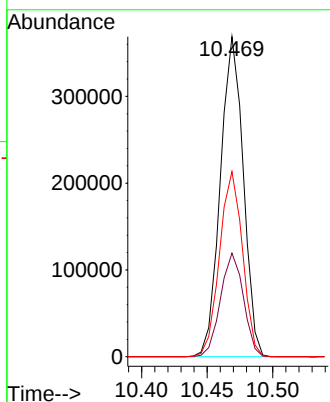
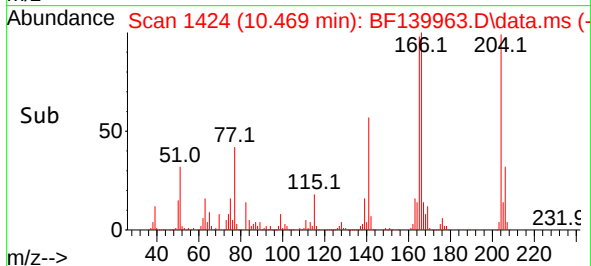
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



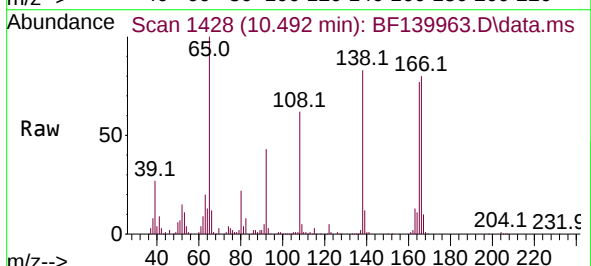
Tgt Ion:204 Resp: 447598  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.3 39.5  
141 57.9 48.6 73.0

Manual Integrations  
APPROVED

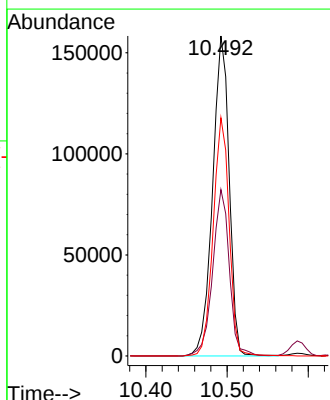
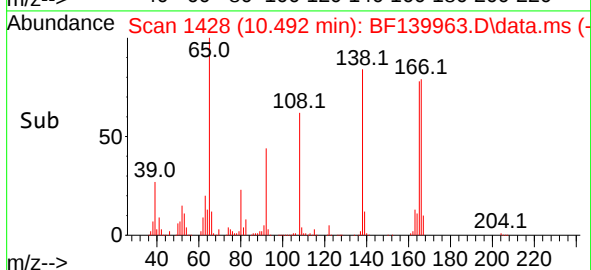
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

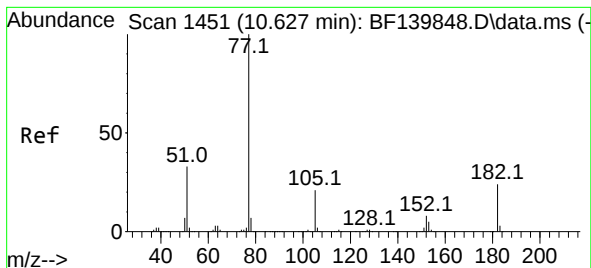


#62  
4-Nitroaniline  
Concen: 48.856 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



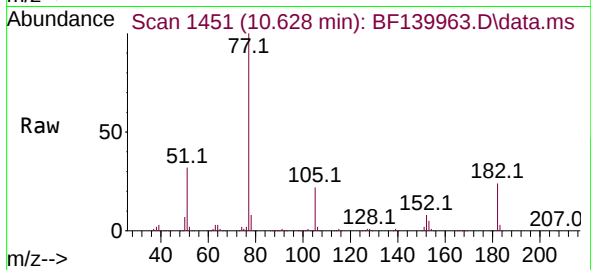
Tgt Ion:138 Resp: 224753  
Ion Ratio Lower Upper  
138 100  
92 52.0 35.7 75.7  
108 74.5 57.5 97.5





#63  
Azobenzene  
Concen: 42.420 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

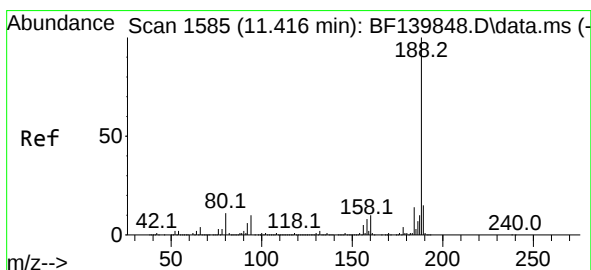
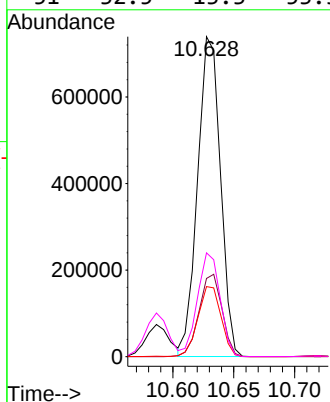
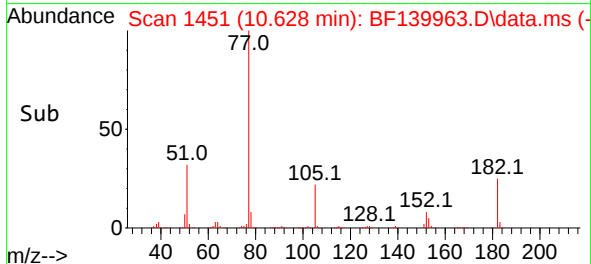
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



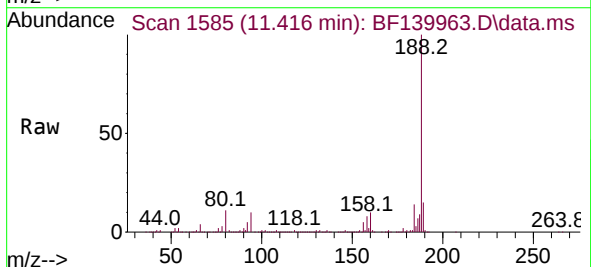
Tgt Ion: 77 Resp: 96324  
Ion Ratio Lower Upper  
77 100  
182 24.4 3.3 43.3  
105 21.9 1.2 41.2  
51 32.5 13.3 53.3

Manual Integrations  
APPROVED

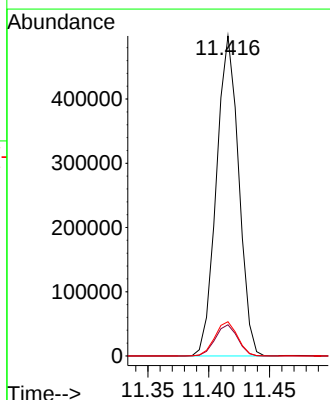
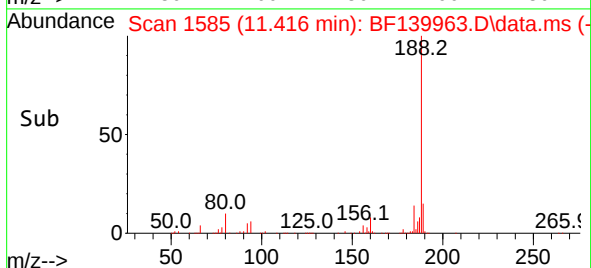
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

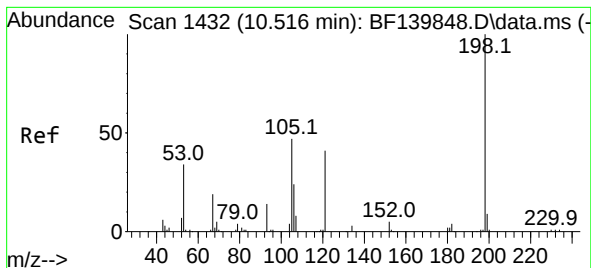


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:188 Resp: 635882  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.9 11.9  
80 10.7 9.0 13.4





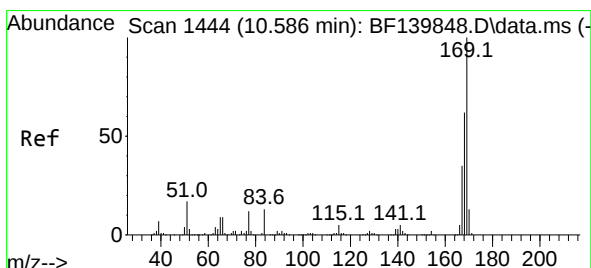
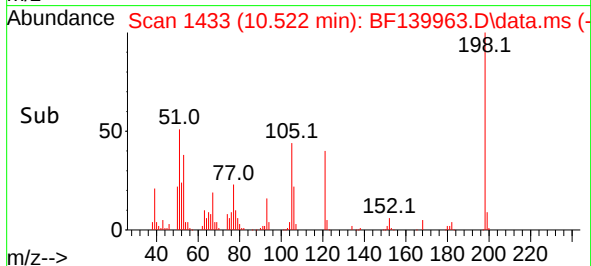
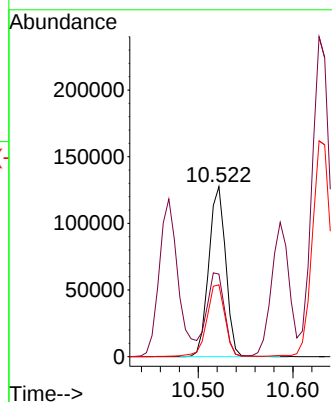
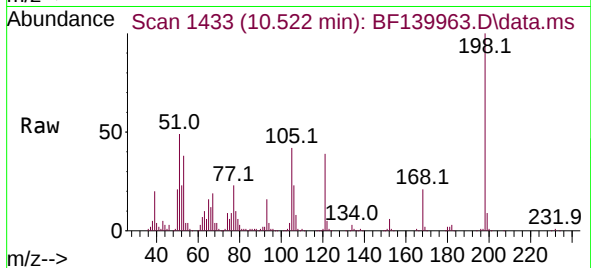
#65  
4,6-Dinitro-2-methylphenol  
Concen: 61.064 ng  
RT: 10.522 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS

Tgt Ion:198 Resp: 15838  
Ion Ratio Lower Upper  
198 100  
51 48.5 38.2 78.2  
105 42.2 27.9 67.9

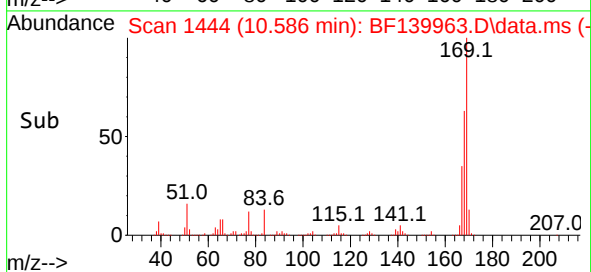
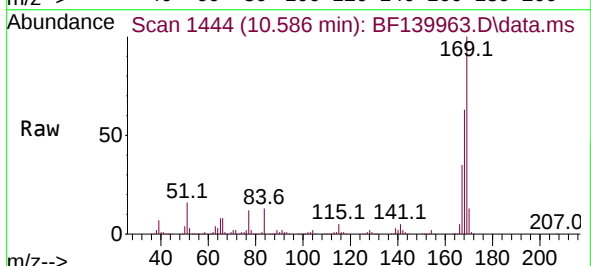
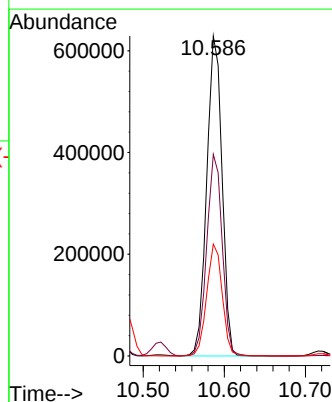
Manual Integrations  
APPROVED

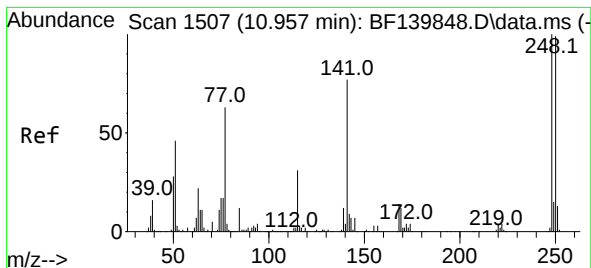
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#66  
n-Nitrosodiphenylamine  
Concen: 43.138 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:169 Resp: 820984  
Ion Ratio Lower Upper  
169 100  
168 63.0 49.8 74.6  
167 34.9 28.0 42.0





#67  
4-Bromophenyl-phenylether  
Concen: 44.097 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

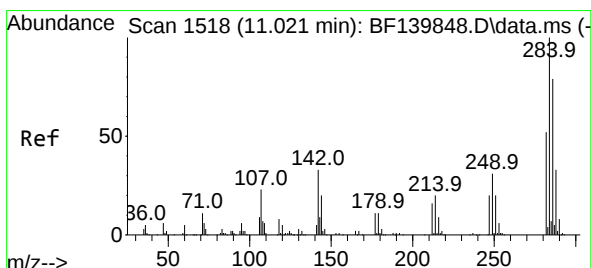
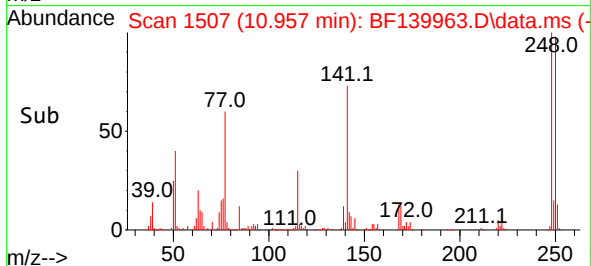
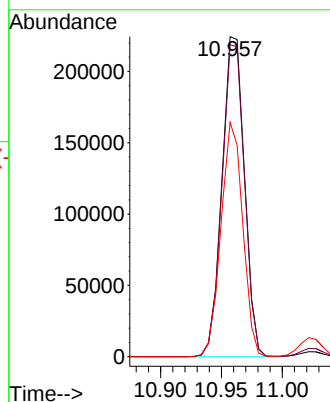
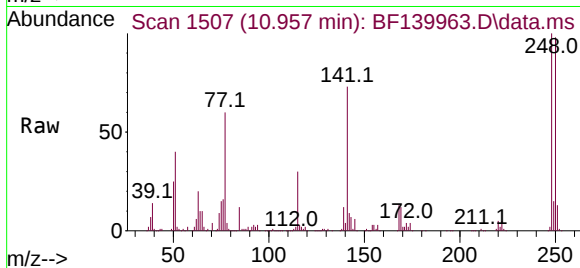
PB164286BS

Tgt Ion:248 Resp: 288868  
Ion Ratio Lower Upper  
248 100  
250 97.5 79.0 118.6  
141 73.2 61.7 92.5

Manual Integrations

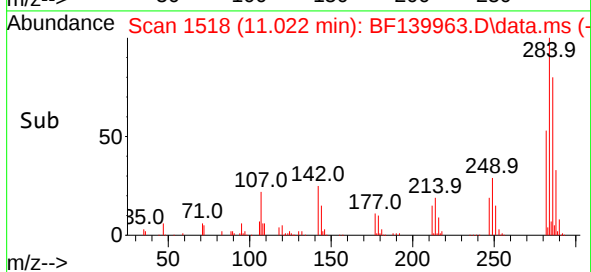
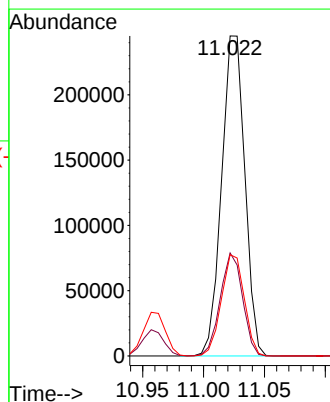
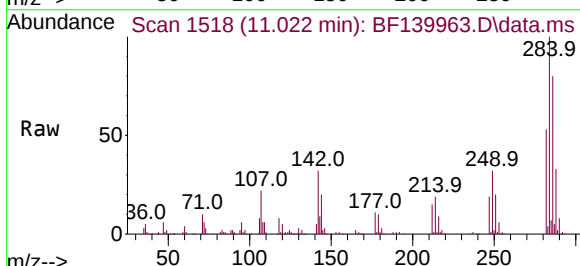
APPROVED

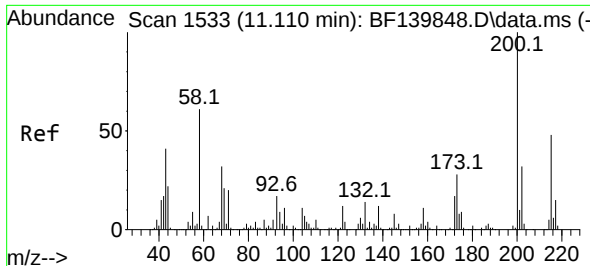
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#68  
Hexachlorobenzene  
Concen: 44.247 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

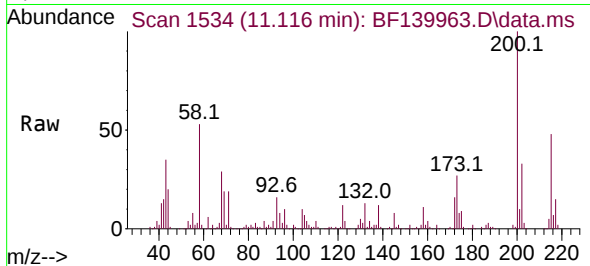
Tgt Ion:284 Resp: 325983  
Ion Ratio Lower Upper  
284 100  
142 32.2 26.9 40.3  
249 31.7 25.3 37.9





#69  
Atrazine  
Concen: 51.545 ng  
RT: 11.116 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

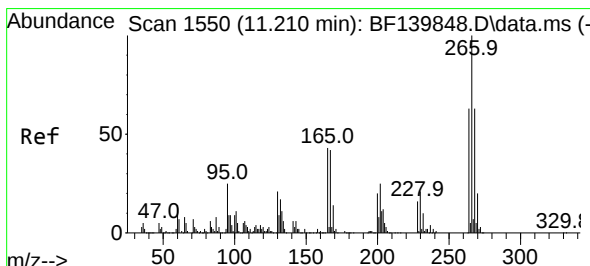
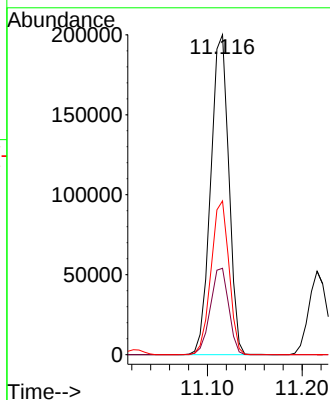
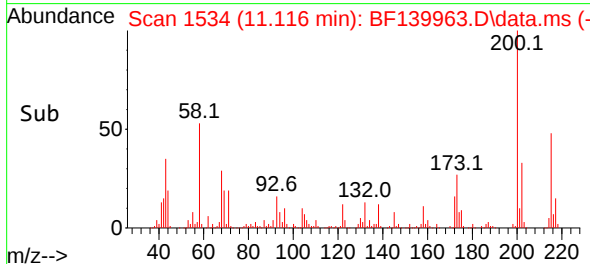
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



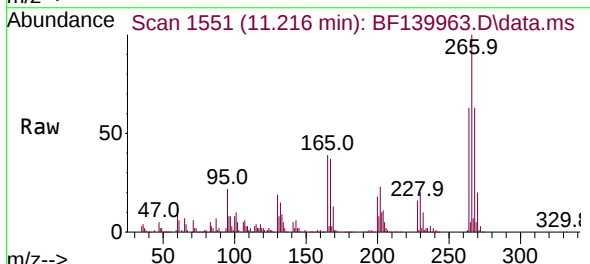
Tgt Ion:200 Resp: 26573  
Ion Ratio Lower Upper  
200 100  
173 27.0 7.7 47.7  
215 48.1 27.7 67.7

Manual Integrations  
APPROVED

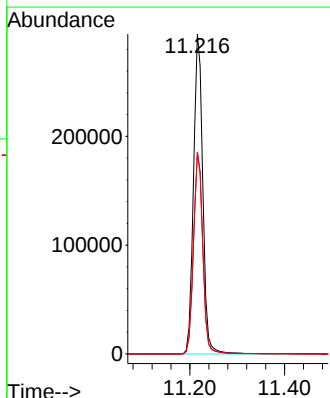
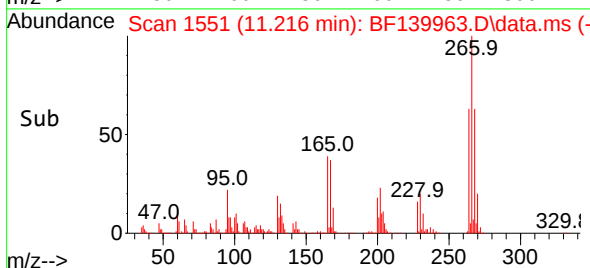
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

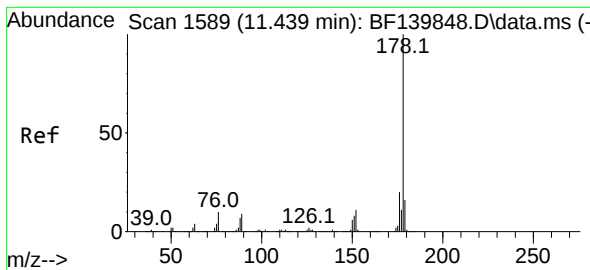


#70  
Pentachlorophenol  
Concen: 89.599 ng  
RT: 11.216 min Scan# 1551  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:266 Resp: 400627  
Ion Ratio Lower Upper  
266 100  
268 63.1 50.4 75.6  
264 62.9 50.6 75.8





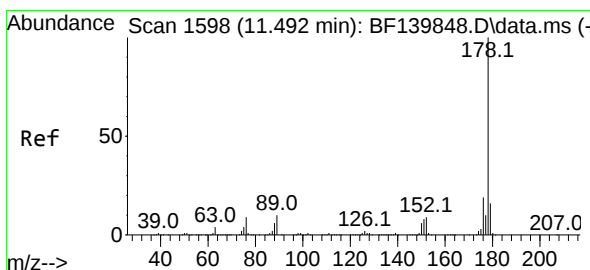
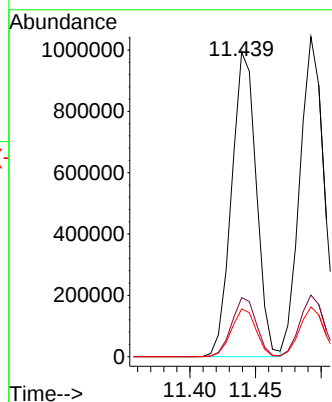
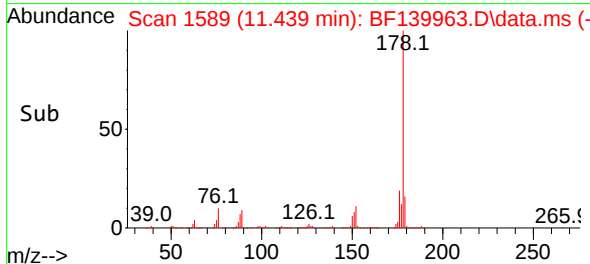
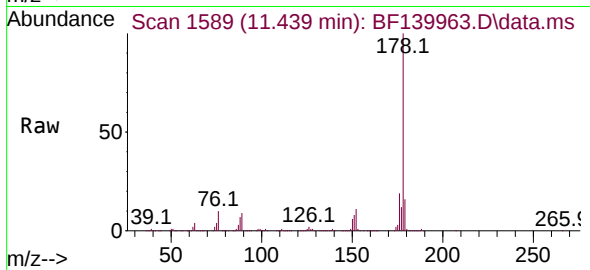
#71  
Phenanthrene  
Concen: 43.347 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS

Tgt Ion:178 Resp: 130199  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.6  
179 15.7 12.6 18.8

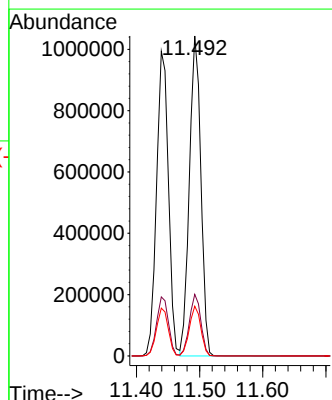
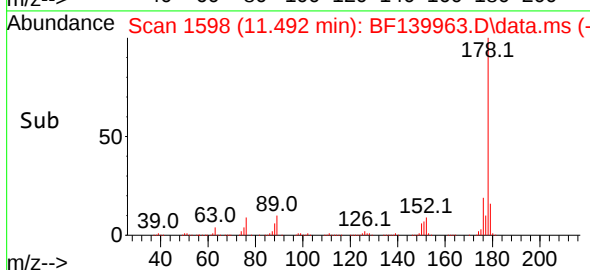
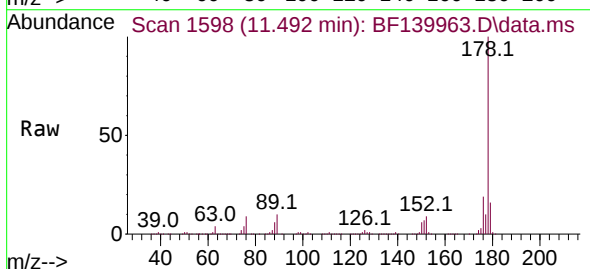
Manual Integrations  
APPROVED

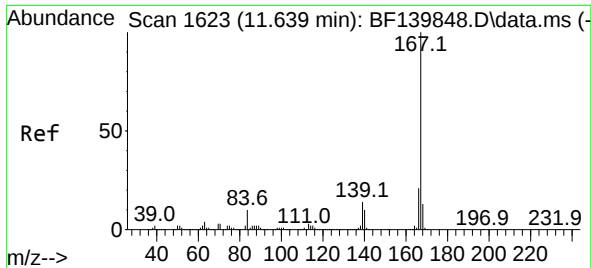
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#72  
Anthracene  
Concen: 45.105 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

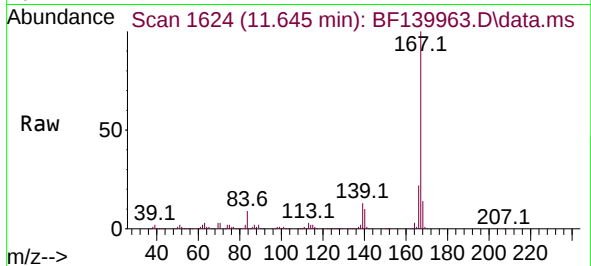
Tgt Ion:178 Resp: 1321841  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.6 12.4 18.6





#73  
Carbazole  
Concen: 41.570 ng  
RT: 11.645 min Scan# 1623  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

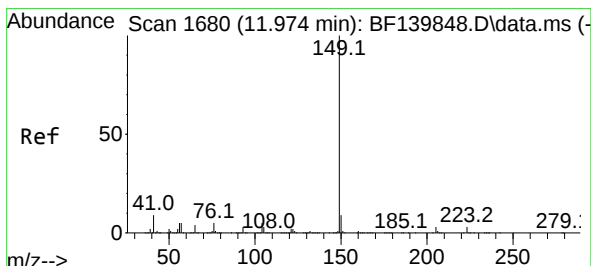
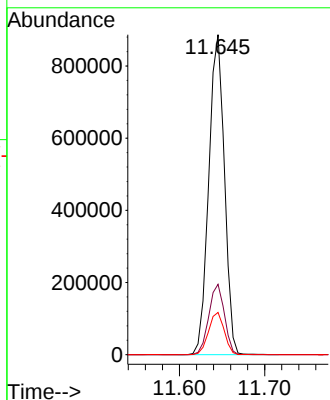
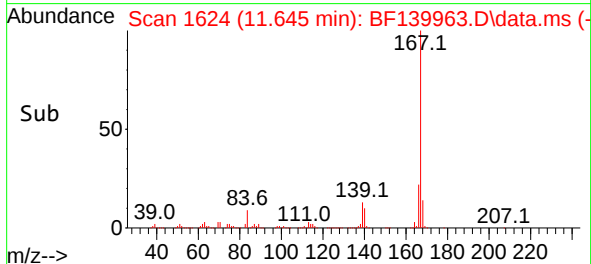
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



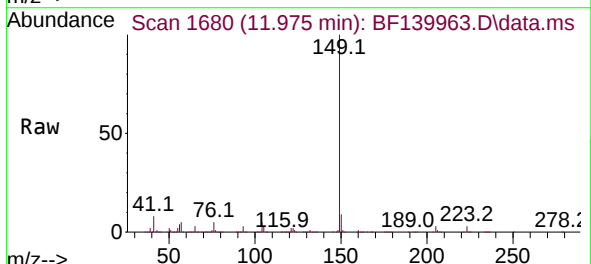
Tgt Ion:167 Resp: 113299  
Ion Ratio Lower Upper  
167 100  
166 22.0 17.0 25.6  
139 13.2 10.8 16.2

Manual Integrations  
APPROVED

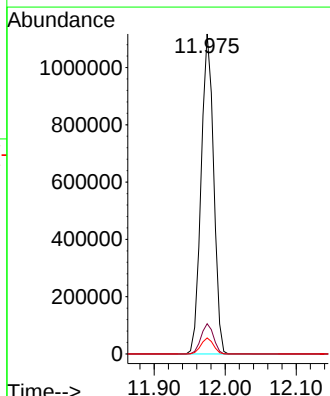
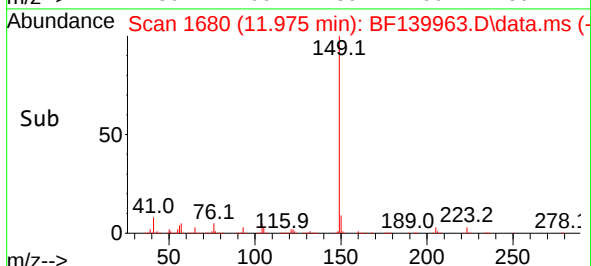
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

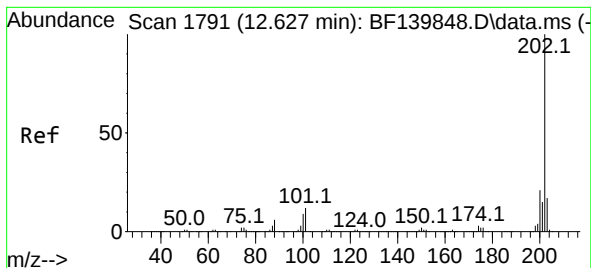


#74  
Di-n-butylphthalate  
Concen: 43.634 ng  
RT: 11.975 min Scan# 1680  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



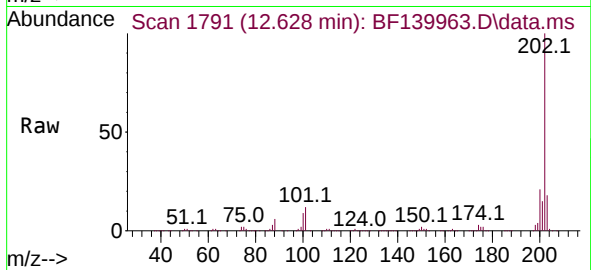
Tgt Ion:149 Resp: 1373983  
Ion Ratio Lower Upper  
149 100  
150 9.5 7.5 11.3  
104 5.0 4.1 6.1





#75  
Fluoranthene  
Concen: 41.445 ng  
RT: 12.628 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

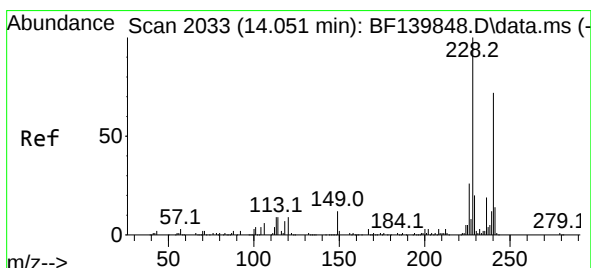
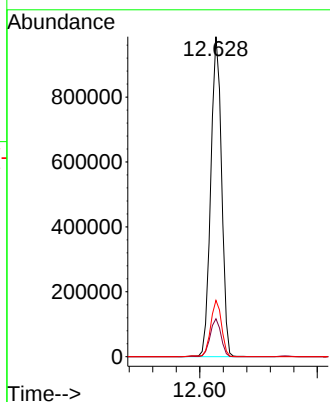
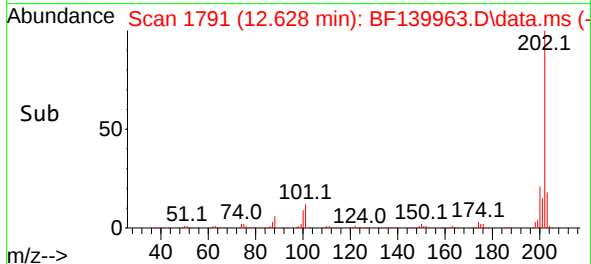
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



Tgt Ion:202 Resp: 125846  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 31.9  
203 17.6 0.0 37.5

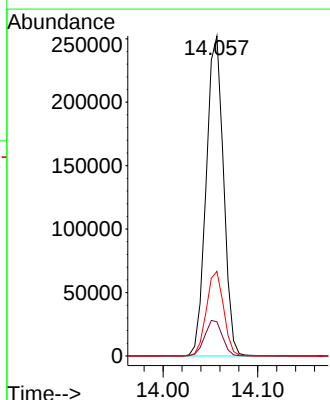
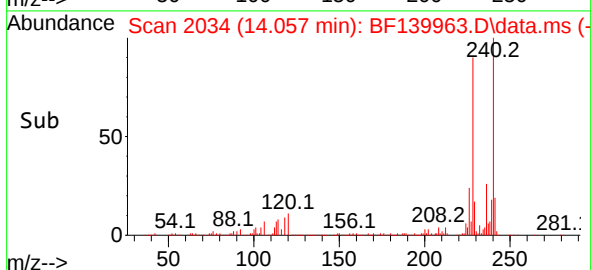
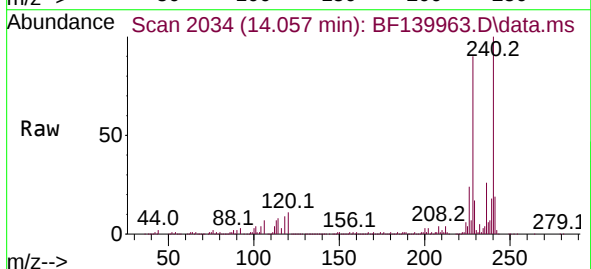
Manual Integrations  
APPROVED

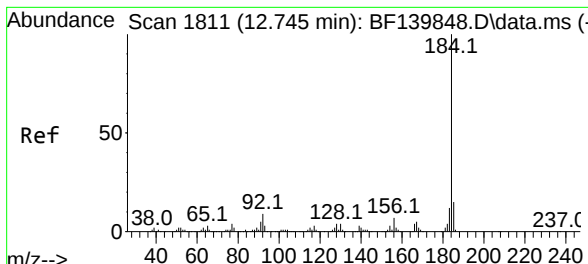
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2034  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:240 Resp: 319612  
Ion Ratio Lower Upper  
240 100  
120 10.7 9.4 14.2  
236 26.4 20.9 31.3





#77  
Benzidine  
Concen: 79.534 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

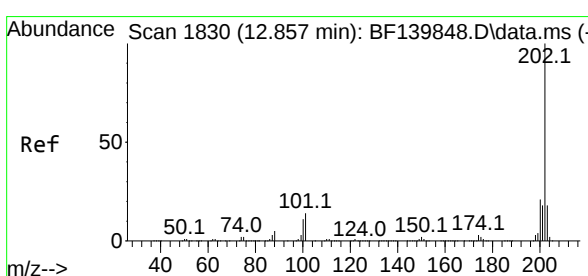
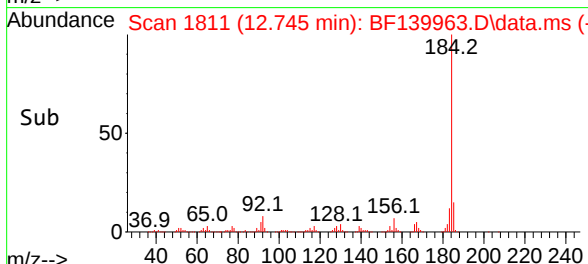
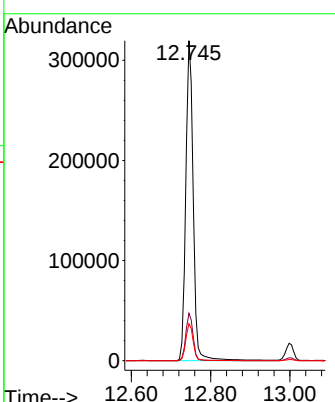
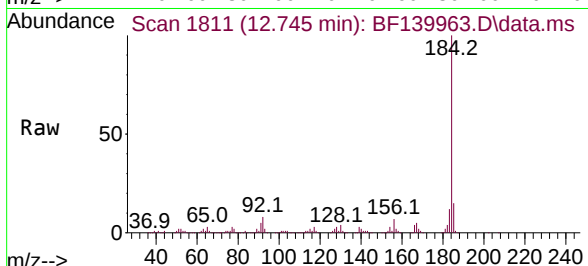
PB164286BS

Tgt Ion:184 Resp: 417992

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.8  | 12.0  | 18.0  |
| 183 | 11.6  | 9.4   | 14.2  |

Manual Integrations  
APPROVED

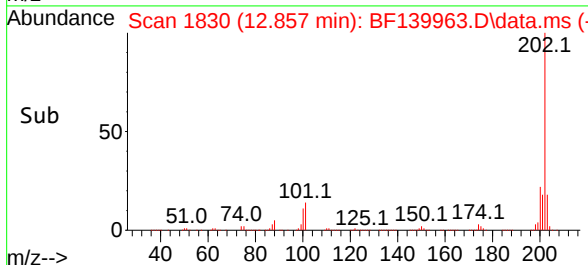
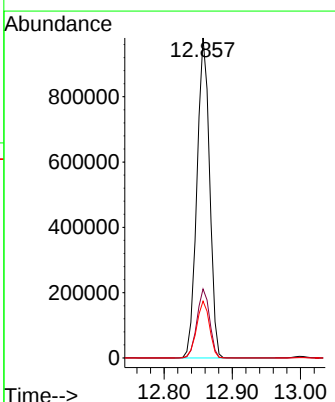
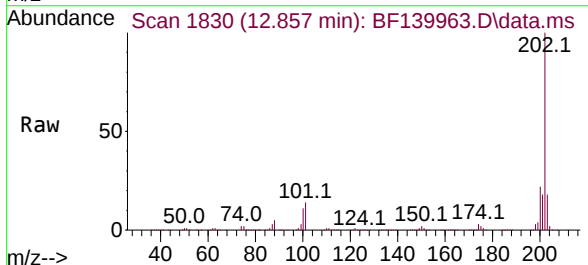
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

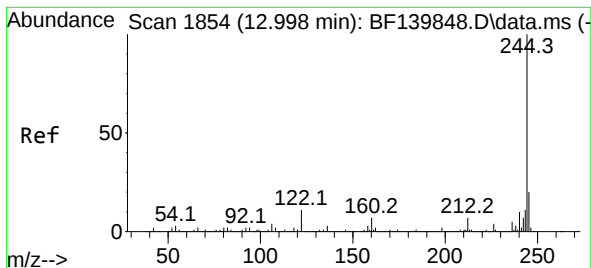


#78  
Pyrene  
Concen: 45.118 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:202 Resp: 1262248

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.6  | 17.2  | 25.8  |
| 203 | 17.7  | 14.2  | 21.4  |





#79

Terphenyl-d14

Concen: 95.706 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139963.D

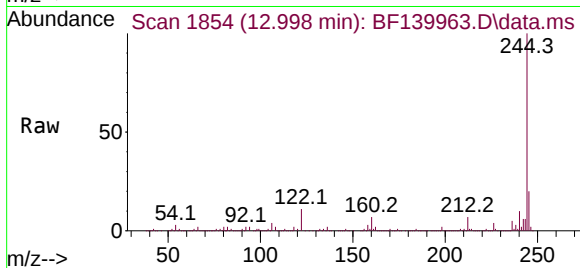
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS



Tgt Ion:244 Resp: 187721

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

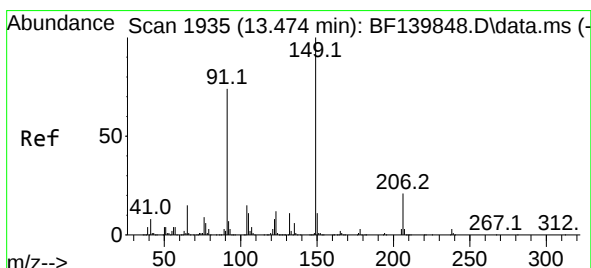
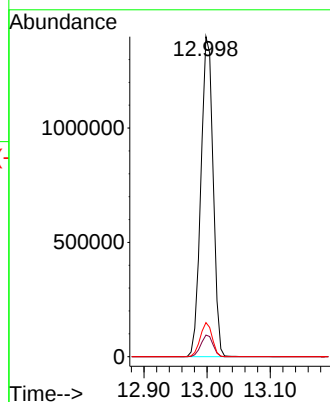
122 10.6 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#80

Butylbenzylphthalate

Concen: 48.439 ng

RT: 13.475 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

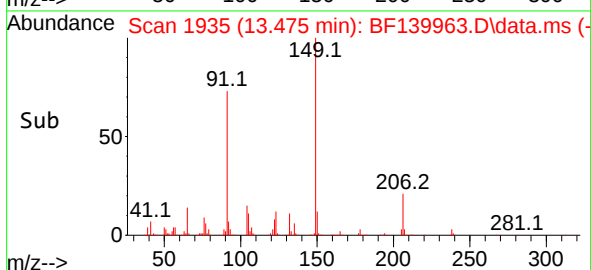
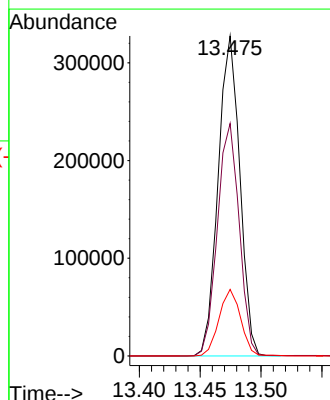
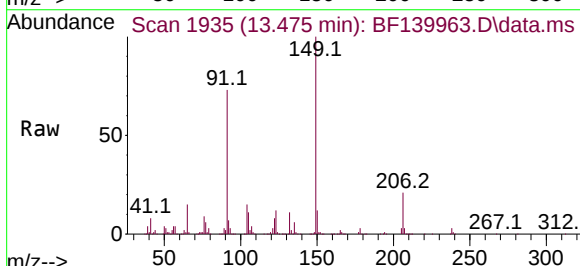
Tgt Ion:149 Resp: 406282

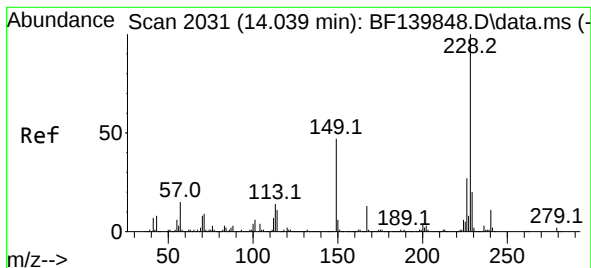
Ion Ratio Lower Upper

149 100

91 72.6 59.4 89.2

206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 45.600 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

Tgt Ion:228 Resp: 94873

Ion Ratio Lower Upper

228 100

226 27.1 21.6 32.4

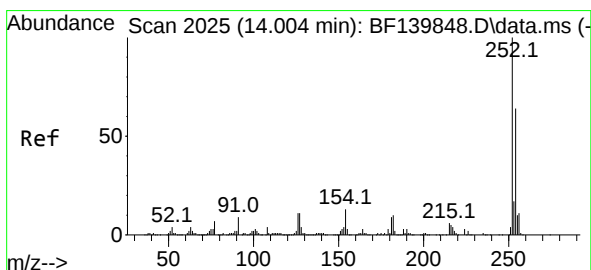
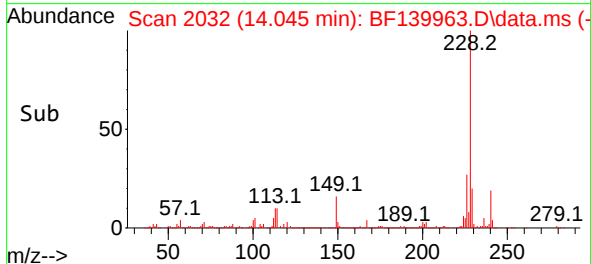
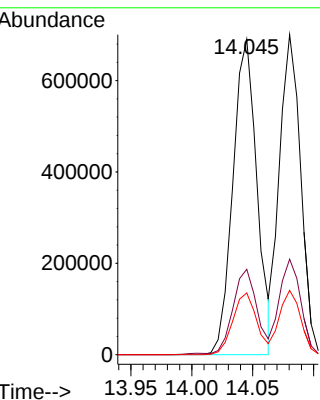
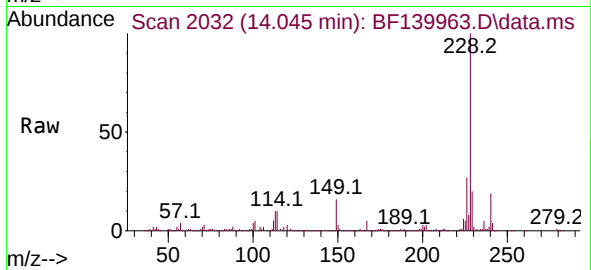
229 19.6 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#82

3,3'-Dichlorobenzidine

Concen: 40.249 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

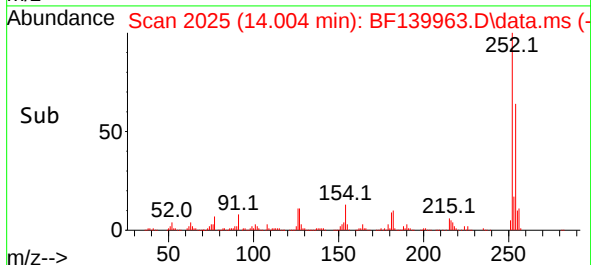
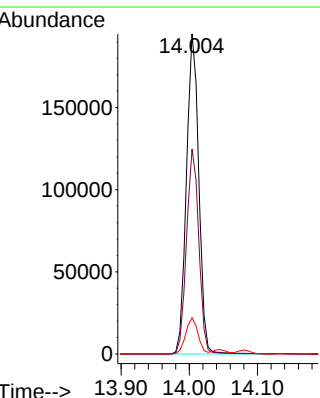
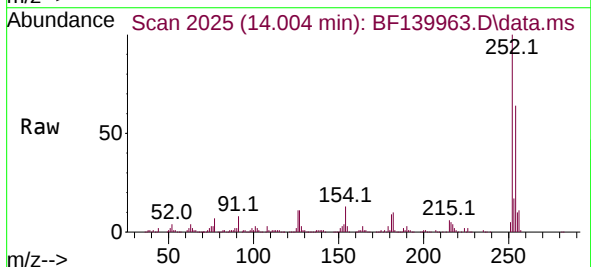
Tgt Ion:252 Resp: 244157

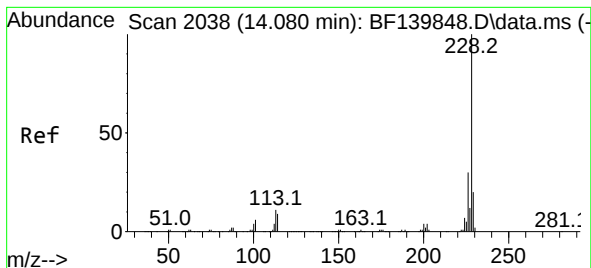
Ion Ratio Lower Upper

252 100

254 64.0 50.8 76.2

126 11.3 8.9 13.3





#83

Chrysene

Concen: 44.700 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS

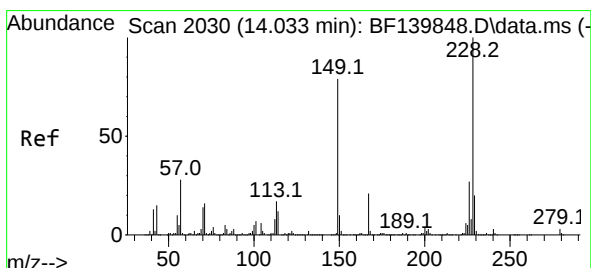
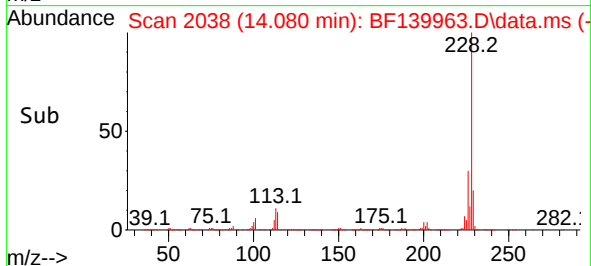
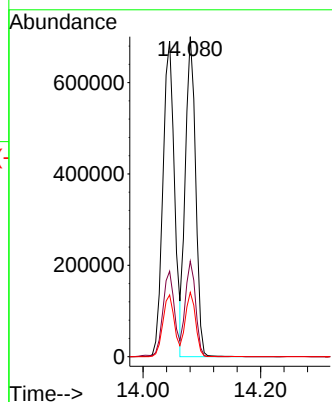
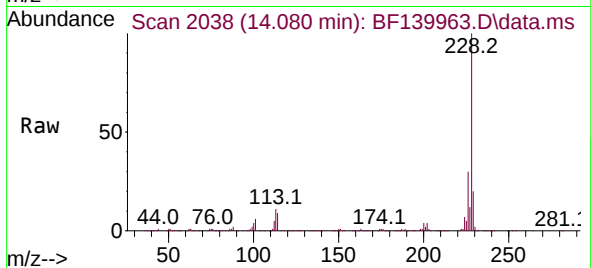
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 852715 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.9  | 24.1  | 36.1   |
| 229       | 20.1  | 15.8  | 23.6   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/25/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.664 ng

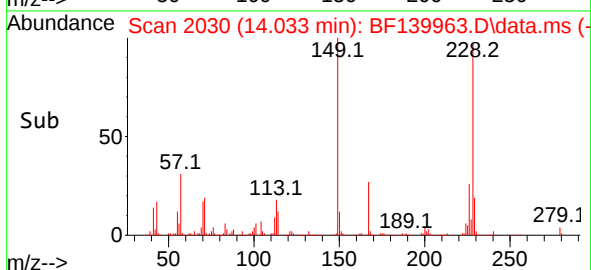
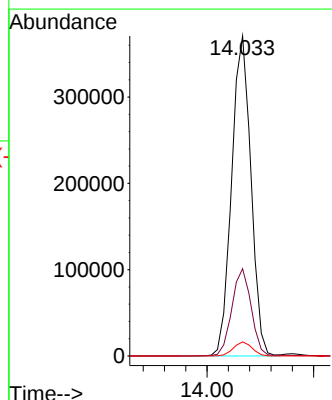
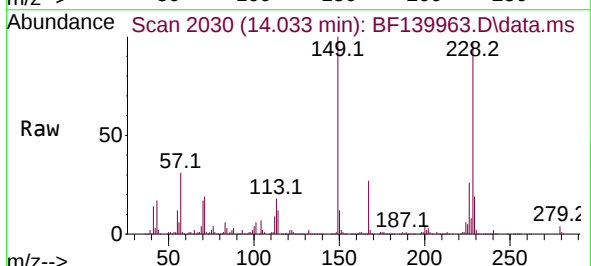
RT: 14.033 min Scan# 2030

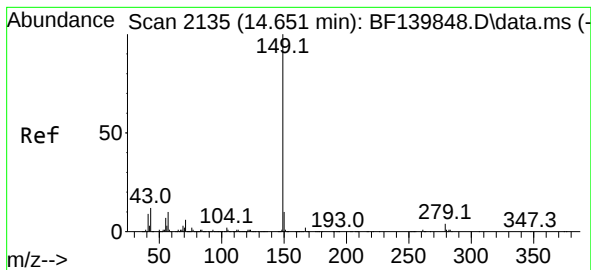
Delta R.T. 0.000 min

Lab File: BF139963.D

Acq: 23 Oct 2024 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 467356 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.3  | 21.4  | 32.0   |
| 279       | 4.4   | 3.0   | 4.4    |





#85  
Di-n-octyl phthalate  
Concen: 47.248 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

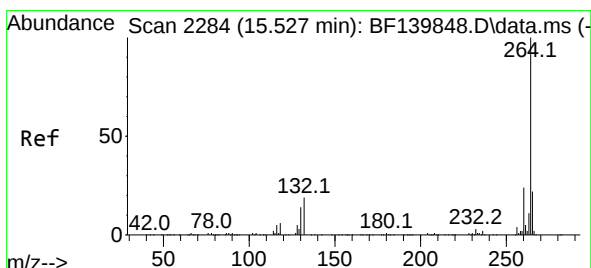
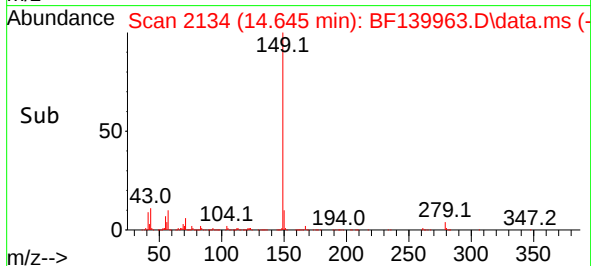
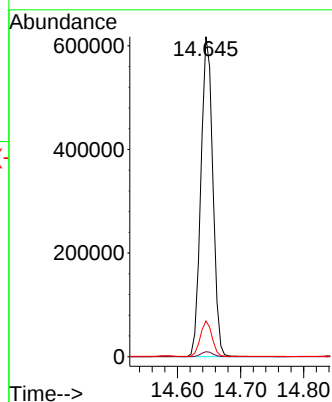
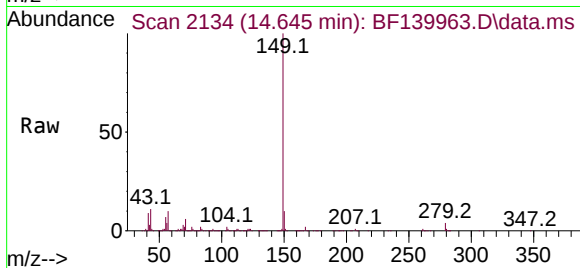
PB164286BS

Tgt Ion:149 Resp: 808700  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.8 9.8 14.6

Manual Integrations

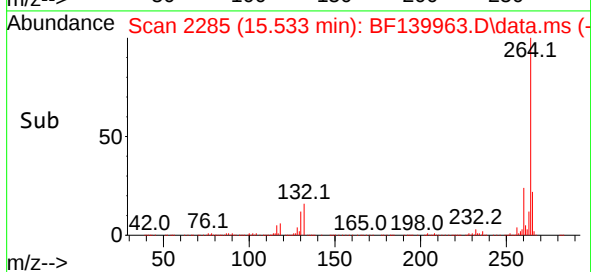
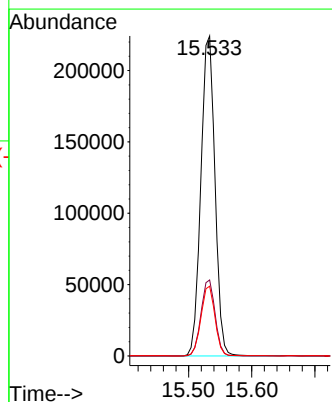
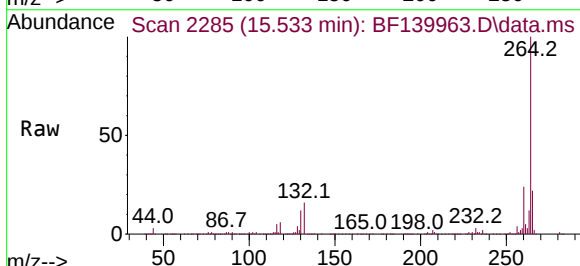
APPROVED

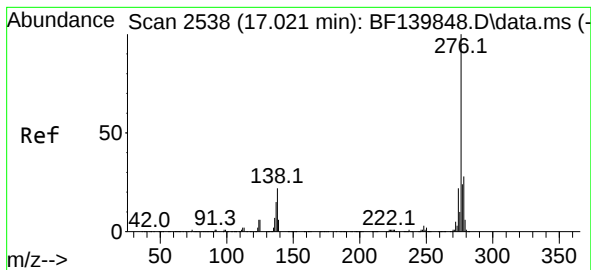
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.533 min Scan# 2285  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:264 Resp: 347575  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.4 29.2  
265 21.8 17.4 26.0





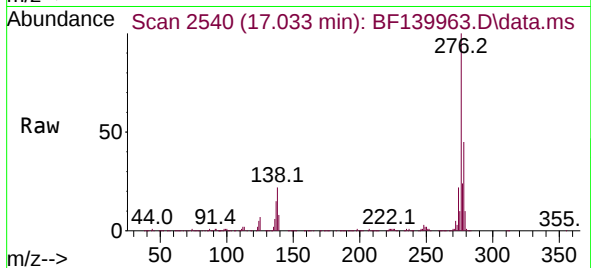
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.330 ng  
RT: 17.033 min Scan# 2540  
Delta R.T. 0.012 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

PB164286BS



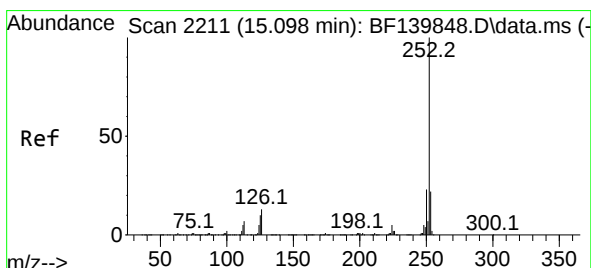
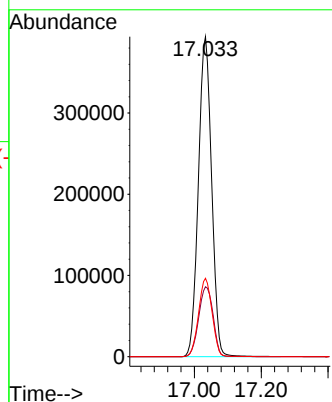
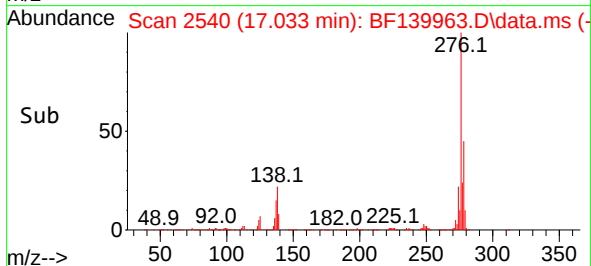
Tgt Ion:276 Resp: 1080680  
Ion Ratio Lower Upper  
276 100  
138 23.8 20.4 30.6  
277 25.1 20.2 30.4

Manual Integrations

APPROVED

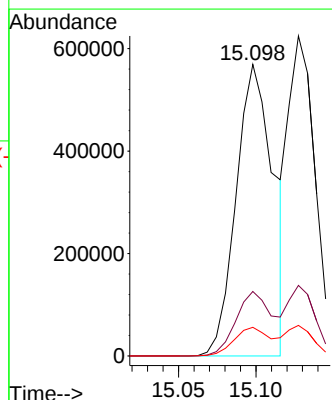
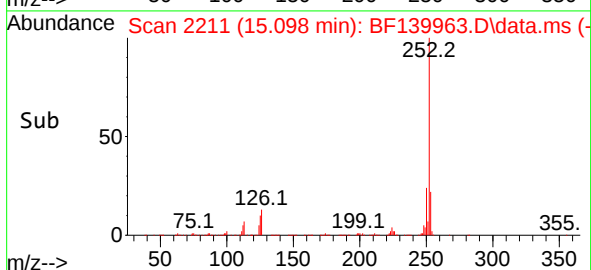
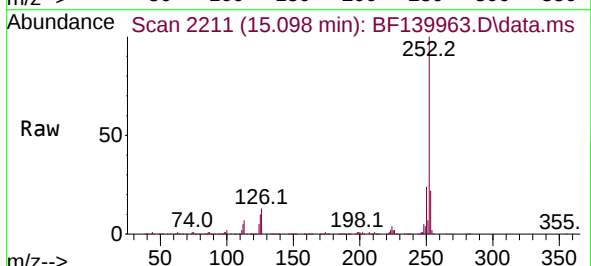
Reviewed By :Yogesh Patel 10/24/2024

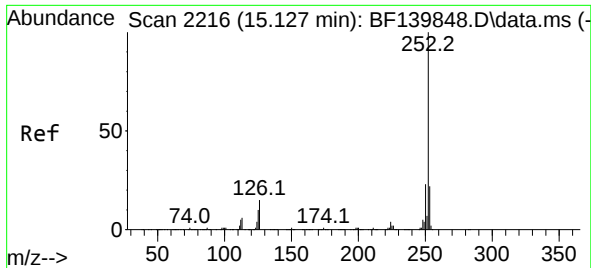
Supervised By :mohammad ahmed 10/25/2024



#88  
Benzo(b)fluoranthene  
Concen: 44.891 ng  
RT: 15.098 min Scan# 2211  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

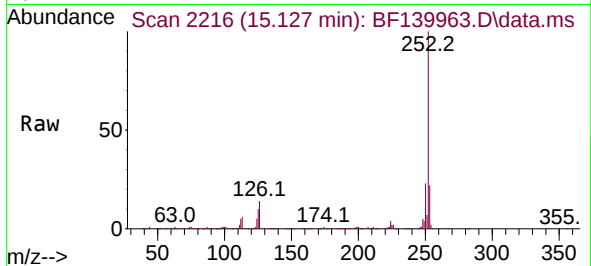
Tgt Ion:252 Resp: 950470  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.6 26.4  
125 9.8 7.9 11.9





#89  
Benzo(k)fluoranthene  
Concen: 41.459 ng  
RT: 15.127 min Scan# 2216  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

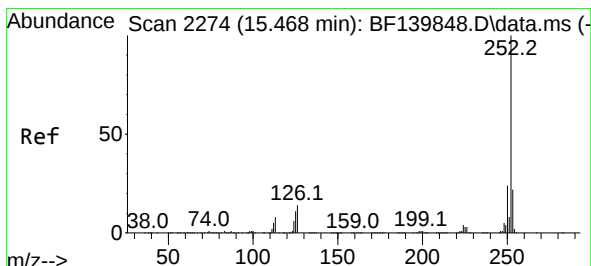
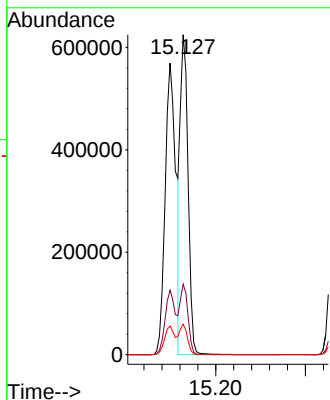
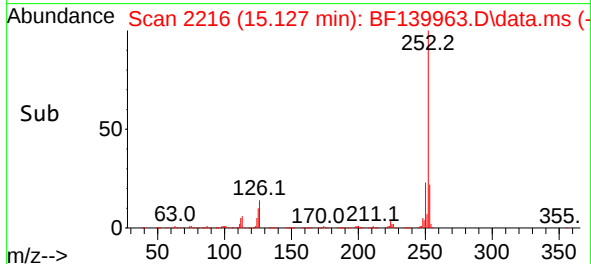
Instrument :  
BNA\_F  
ClientSampleId :  
PB164286BS



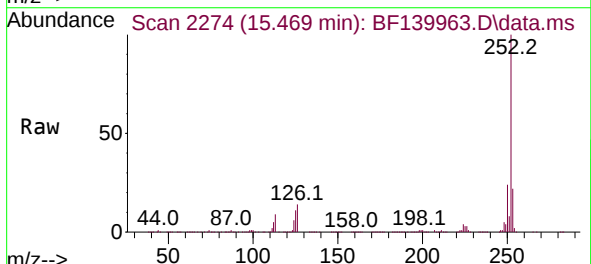
Tgt Ion:252 Resp: 75704  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.6 26.4  
125 9.5 7.9 11.9

Manual Integrations  
APPROVED

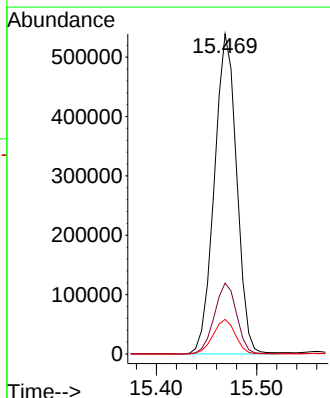
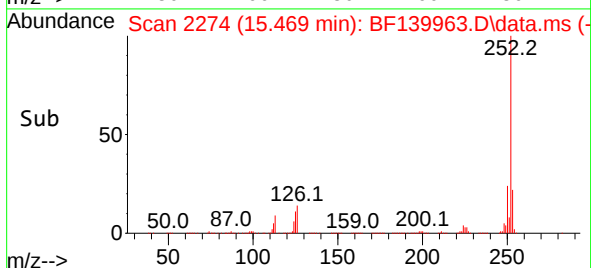
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024

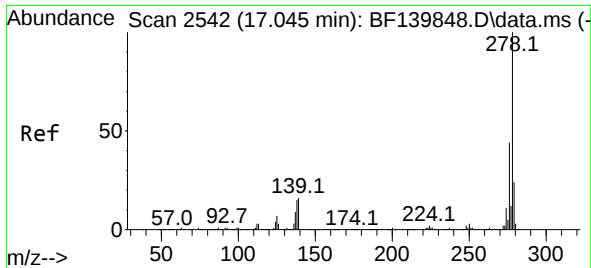


#90  
Benzo(a)pyrene  
Concen: 47.813 ng  
RT: 15.469 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33



Tgt Ion:252 Resp: 832975  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.3 25.9  
125 10.8 8.7 13.1





#91  
Dibenzo(a,h)anthracene  
Concen: 47.444 ng  
RT: 17.051 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Instrument :

BNA\_F

ClientSampleId :

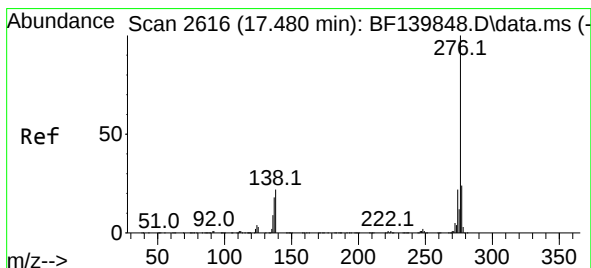
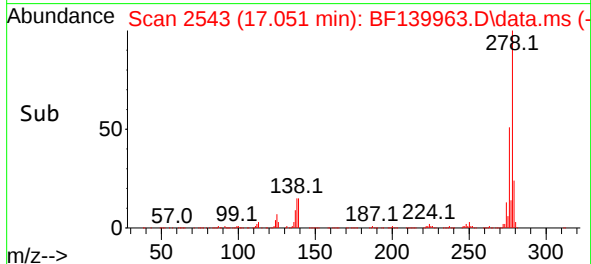
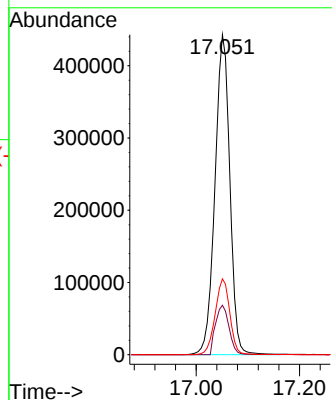
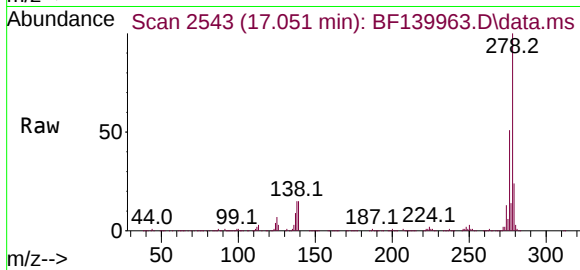
PB164286BS

Tgt Ion:278 Resp: 885004  
Ion Ratio Lower Upper  
278 100  
139 15.4 13.1 19.7  
279 23.7 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/25/2024



#92  
Benzo(g,h,i)perylene  
Concen: 43.441 ng  
RT: 17.486 min Scan# 2617  
Delta R.T. 0.006 min  
Lab File: BF139963.D  
Acq: 23 Oct 2024 14:33

Tgt Ion:276 Resp: 809408  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.0 28.6  
138 20.9 17.4 26.0

