

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081224\  
 Data File : BF138924.D  
 Acq On : 12 Aug 2024 10:08  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
 Supervised By :mohammad ahmed 08/13/2024

Quant Time: Aug 12 11:13:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.839  | 152  | 54986    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 213210   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.875  | 164  | 117720   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 195868   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 97717    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.468 | 264  | 116194   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 287282   | 80.650 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.492  | 99   | 375965   | 78.613 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 366588   | 84.063 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 78947    | 81.871 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 653833   | 83.451 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.945 | 244  | 478623   | 82.007 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.581  | 88   | 55295    | 35.457 | ng    | 97       |
| 3) Pyridine                   | 3.346  | 79   | 139604   | 36.954 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.310  | 42   | 96126    | 42.723 | ng    | 85       |
| 6) Aniline                    | 6.510  | 93   | 165512   | 38.807 | ng    | # 52     |
| 8) 2-Chlorophenol             | 6.634  | 128  | 148184   | 39.540 | ng    | 98       |
| 9) Benzaldehyde               | 6.398  | 77   | 95766    | 33.405 | ng    | 98       |
| 10) Phenol                    | 6.504  | 94   | 196250   | 38.974 | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.581  | 93   | 145388   | 37.521 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 166761   | 39.751 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 169414   | 40.016 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.016  | 146  | 161019   | 40.696 | ng    | 100      |
| 15) Benzyl Alcohol            | 6.992  | 79   | 144334   | 41.873 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 238637   | 35.786 | ng    | 58       |
| 17) 2-Methylphenol            | 7.110  | 107  | 122974   | 39.738 | ng    | # 90     |
| 18) Hexachloroethane          | 7.351  | 117  | 65992    | 41.410 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 115296   | 39.915 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.263  | 107  | 160676   | 40.467 | ng    | # 88     |
| 22) Acetophenone              | 7.257  | 105  | 222690   | 42.657 | ng    | 98       |
| 24) Nitrobenzene              | 7.434  | 77   | 183789   | 41.417 | ng    | 99       |
| 25) Isophorone                | 7.669  | 82   | 298408   | 40.074 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 77216    | 40.445 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.786  | 122  | 92812    | 40.631 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 174990   | 38.590 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.992  | 162  | 122529   | 41.744 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 139098   | 41.064 | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 457550   | 40.770 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 64611    | 35.983 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.204  | 127  | 144562   | 38.374 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.257  | 225  | 89756    | 43.747 | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 37004    | 42.250 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.692  | 107  | 142812   | 42.573 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 290765   | 41.024 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 283929   | 40.880 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 132554   | 40.535 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.981  | 237  | 33328    | 42.118 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 80178    | 40.213 | ng    | 99       |

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Manual Integrations  
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 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.169  | 196  | 85320    | 39.143 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 368473   | 39.966 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 276366   | 40.304 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 96488    | 41.508 | ng    | 96       |
| 49) Acenaphthylene            | 9.739  | 152  | 391674   | 40.274 | ng    | 99       |
| 50) Dimethylphthalate         | 9.598  | 163  | 313929   | 41.706 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.669  | 165  | 72678    | 42.783 | ng    | # 86     |
| 52) Acenaphthene              | 9.910  | 154  | 258969   | 39.613 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.845  | 138  | 70217    | 39.984 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 31877    | 40.764 | ng    | # 83     |
| 55) Dibenzofuran              | 10.080 | 168  | 373440   | 40.467 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 40003    | 37.880 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 92742    | 42.791 | ng    | # 80     |
| 58) Fluorene                  | 10.427 | 166  | 306133   | 41.657 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 65668    | 39.407 | ng    | 94       |
| 60) Diethylphthalate          | 10.298 | 149  | 307481   | 43.082 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 152229   | 42.119 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.457 | 138  | 66502    | 39.849 | ng    | 86       |
| 63) Azobenzene                | 10.575 | 77   | 319564   | 40.371 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.492 | 198  | 49727    | 41.614 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 246166   | 40.207 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 86975    | 41.014 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.975 | 284  | 88277    | 40.317 | ng    | 99       |
| 69) Atrazine                  | 11.063 | 200  | 55160    | 34.920 | ng    | 98       |
| 70) Pentachlorophenol         | 11.174 | 266  | 39478    | 40.001 | ng    | 98       |
| 71) Phenanthrene              | 11.386 | 178  | 405880   | 40.243 | ng    | 100      |
| 72) Anthracene                | 11.439 | 178  | 398547   | 40.112 | ng    | 100      |
| 73) Carbazole                 | 11.598 | 167  | 341259   | 39.811 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.916 | 149  | 414349   | 42.998 | ng    | 99       |
| 75) Fluoranthene              | 12.574 | 202  | 370766   | 39.378 | ng    | 99       |
| 77) Benzidine                 | 12.704 | 184  | 91289    | 39.059 | ng    | 99       |
| 78) Pyrene                    | 12.804 | 202  | 378891   | 41.182 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.416 | 149  | 117990   | 40.048 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 261470   | 38.857 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 73660    | 42.776 | ng    | 99       |
| 83) Chrysene                  | 14.033 | 228  | 247955   | 40.844 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 160820   | 37.277 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 306095   | 38.348 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 308889   | 37.095 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 282606m  | 39.235 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 243353   | 39.022 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 237878   | 39.262 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.956 | 278  | 248771   | 36.395 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.392 | 276  | 254165   | 35.833 | ng    | 96       |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.839 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

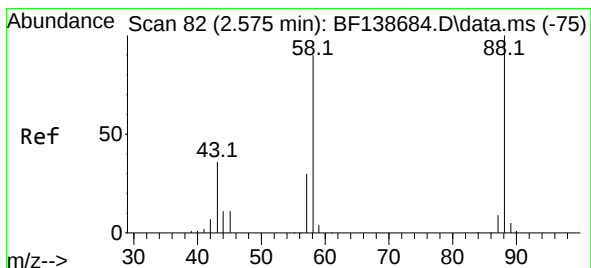
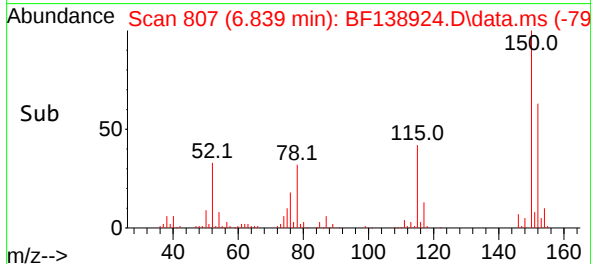
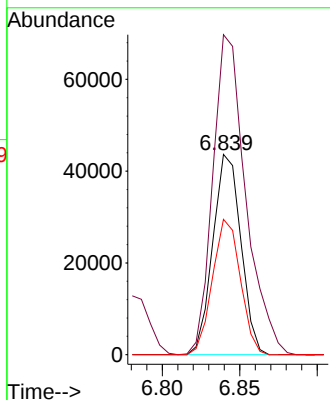
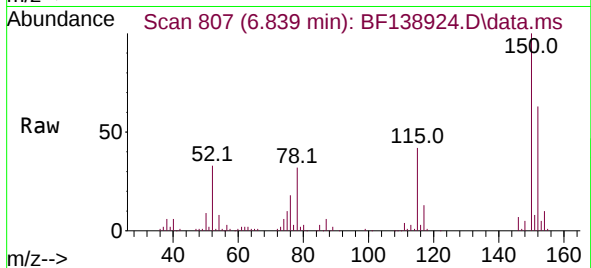
SSTDCCC040

Tgt Ion:152 Resp: 5498  
Ion Ratio Lower Upper  
152 100  
150 159.8 126.0 189.0  
115 67.6 51.7 77.5

Manual Integrations

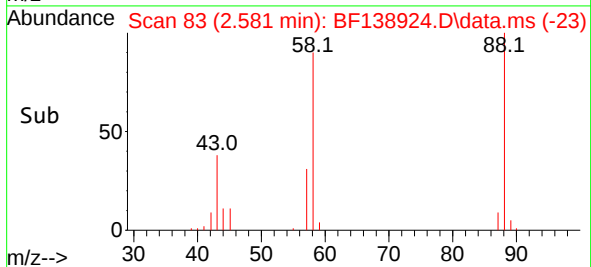
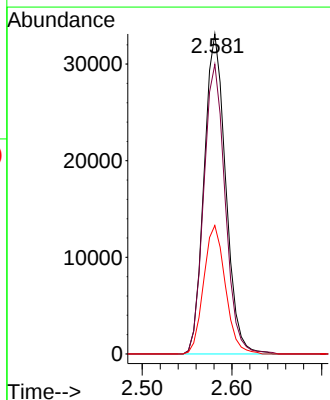
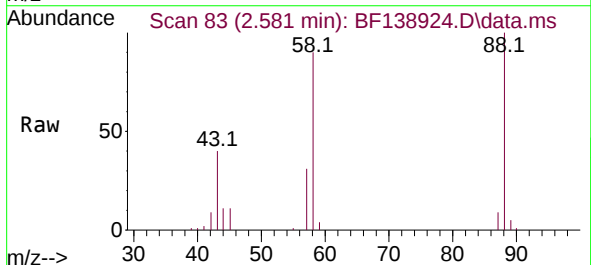
APPROVED

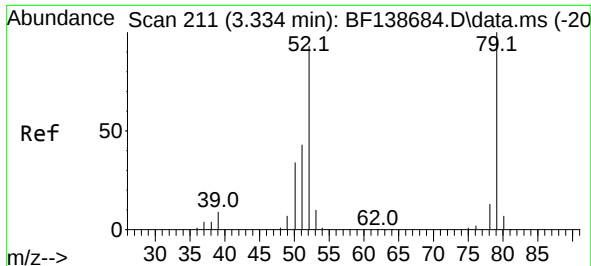
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#2  
1,4-Dioxane  
Concen: 35.457 ng  
RT: 2.581 min Scan# 83  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion: 88 Resp: 55295  
Ion Ratio Lower Upper  
88 100  
58 90.0 71.6 107.4  
43 40.4 28.7 43.1





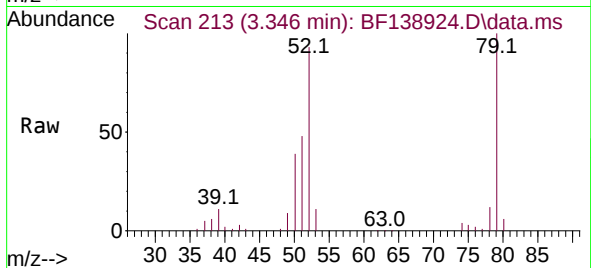
#3  
Pyridine  
Concen: 36.954 ng  
RT: 3.346 min Scan# 211  
Delta R.T. 0.012 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

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SSTDCCC040



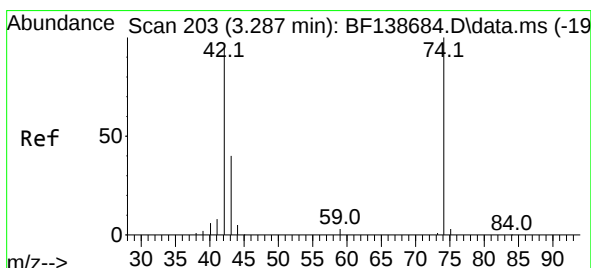
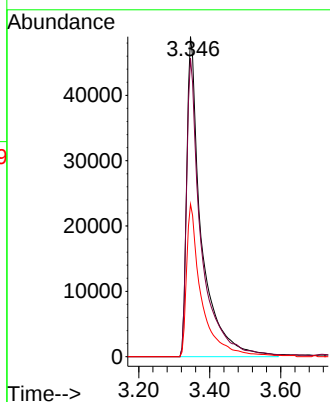
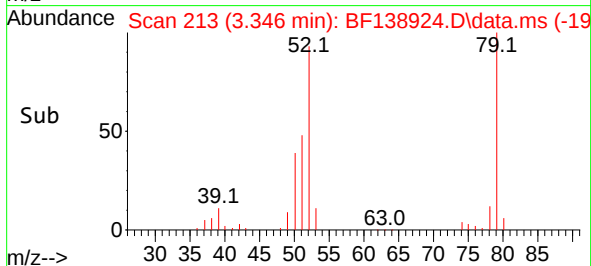
Tgt Ion: 79 Resp: 139604  
Ion Ratio Lower Upper  
79 100  
52 93.2 74.7 112.1  
51 47.6 34.6 51.8

Manual Integrations

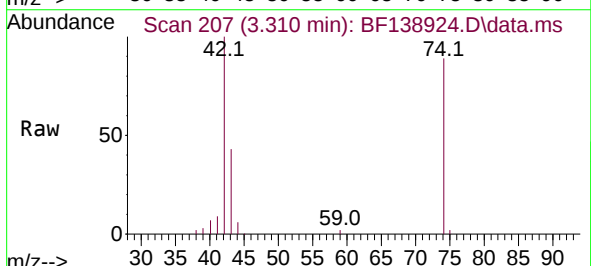
APPROVED

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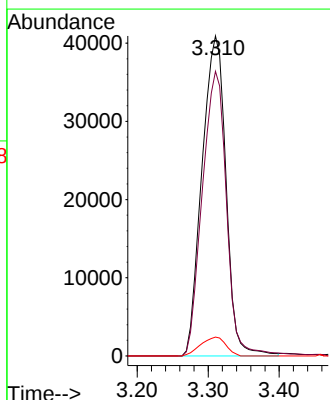
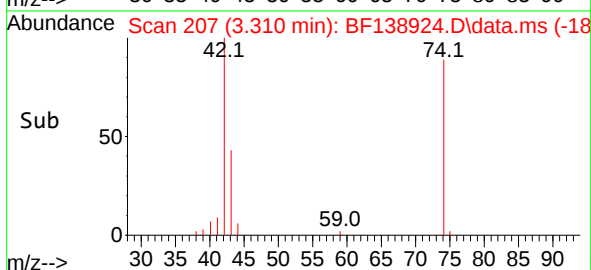
Supervised By :mohammad ahmed 08/13/2024



#4  
n-Nitrosodimethylamine  
Concen: 42.723 ng  
RT: 3.310 min Scan# 207  
Delta R.T. 0.023 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion: 42 Resp: 96126  
Ion Ratio Lower Upper  
42 100  
74 88.9 84.2 126.4  
44 5.9 4.9 7.3





#5  
2-Fluorophenol  
Concen: 80.650 ng  
RT: 5.469 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

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SSTDCCC040

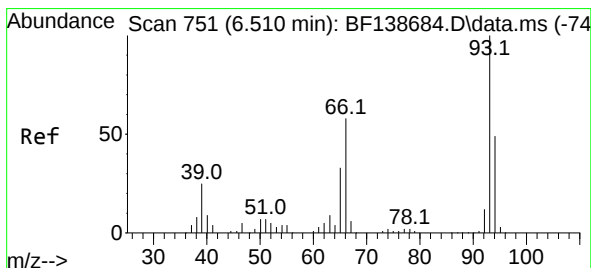
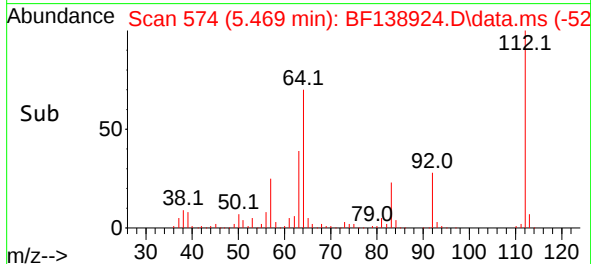
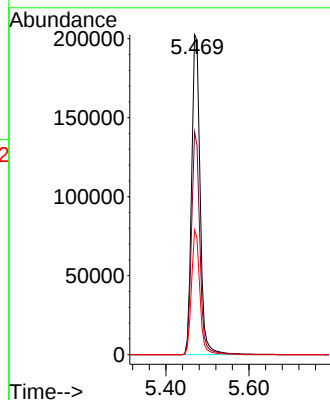
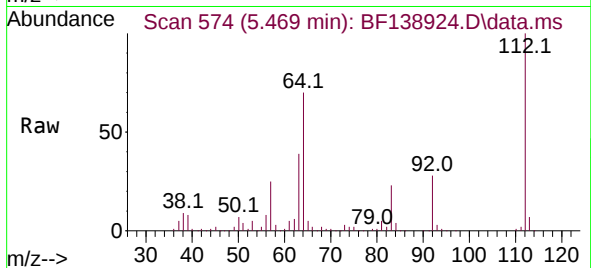
Tgt Ion:112 Resp: 28728  
Ion Ratio Lower Upper  
112 100  
64 69.6 54.2 81.4  
63 39.0 28.7 43.1

Manual Integrations

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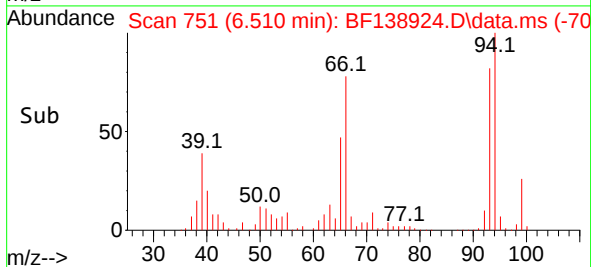
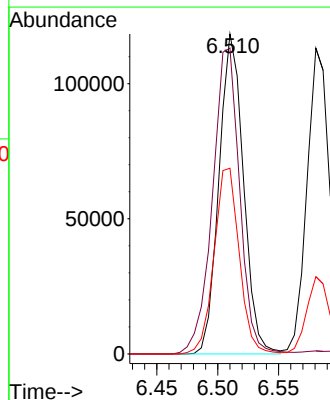
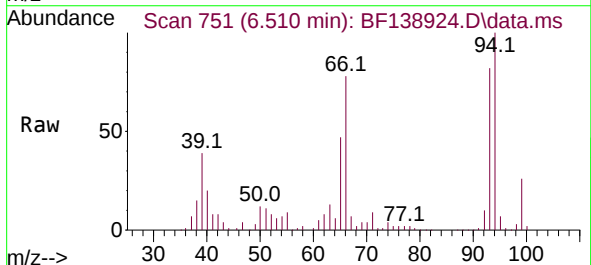
Reviewed By :Yogesh Patel 08/13/2024

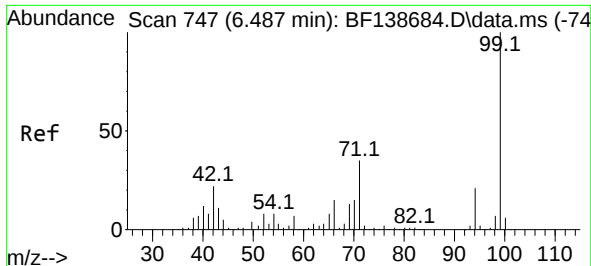
Supervised By :mohammad ahmed 08/13/2024



#6  
Aniline  
Concen: 38.807 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

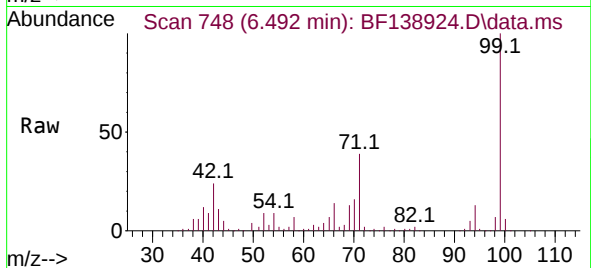
Tgt Ion: 93 Resp: 165512  
Ion Ratio Lower Upper  
93 100  
66 95.6 46.9 70.3#  
65 58.1 26.5 39.7#





#7  
Phenol-d6  
Concen: 78.613 ng  
RT: 6.492 min Scan# 747  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

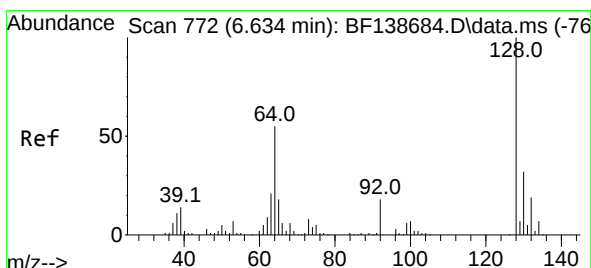
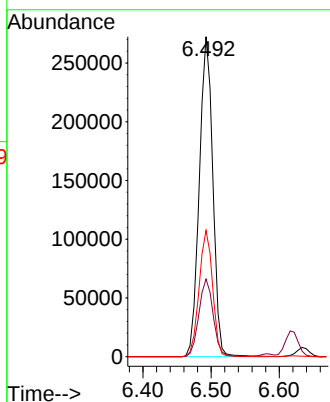
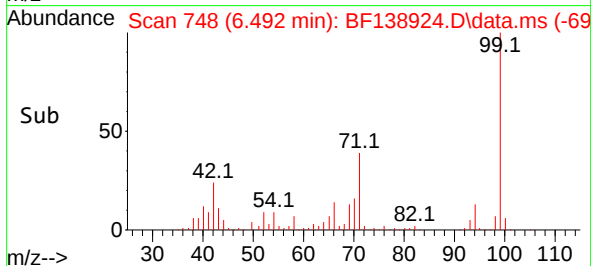
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 99 Resp: 37596  
Ion Ratio Lower Upper  
99 100  
42 24.2 17.4 26.0  
71 39.5 28.1 42.1

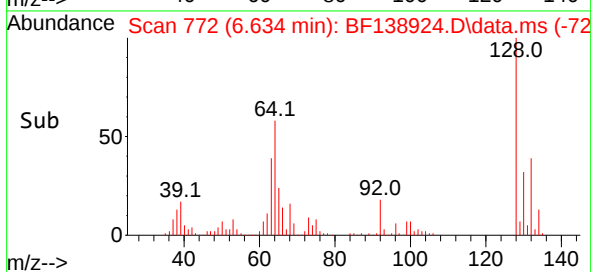
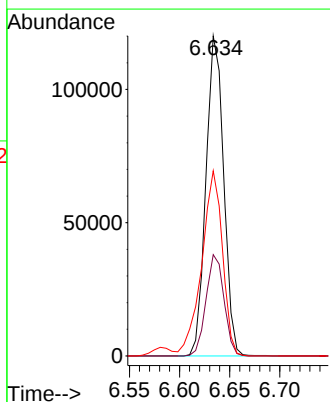
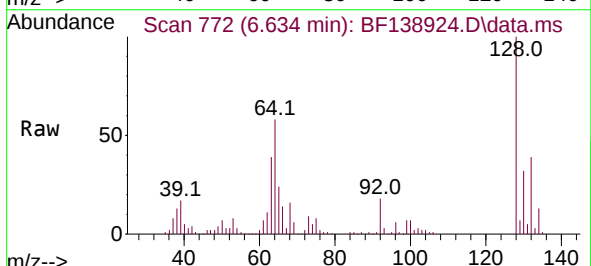
Manual Integrations  
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#8  
2-Chlorophenol  
Concen: 39.540 ng  
RT: 6.634 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:128 Resp: 148184  
Ion Ratio Lower Upper  
128 100  
130 31.6 12.0 52.0  
64 57.9 36.3 76.3





#9

Benzaldehyde

Concen: 33.405 ng

RT: 6.398 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

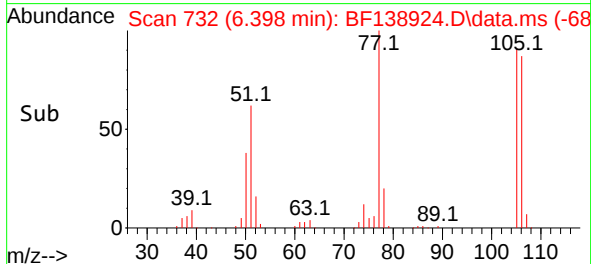
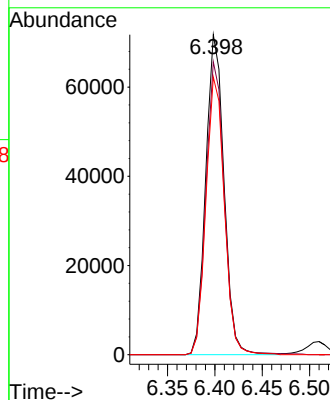
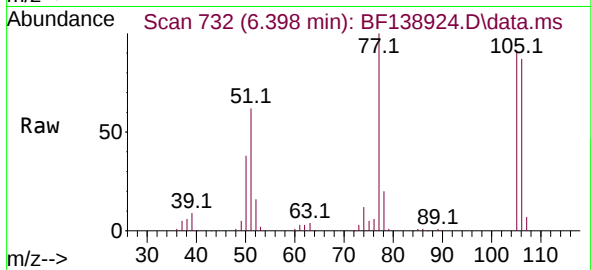
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 9576  |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 91.5  | 72.9  | 112.9 |
| 106      | 86.7  | 68.4  | 108.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#10

Phenol

Concen: 38.974 ng

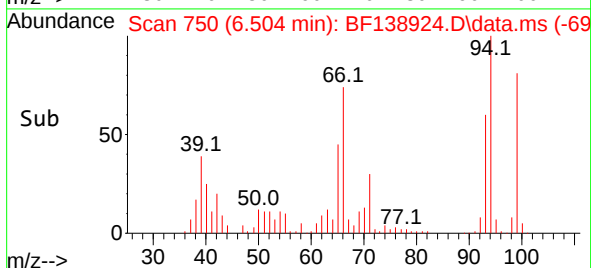
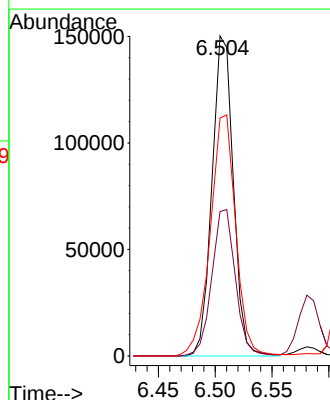
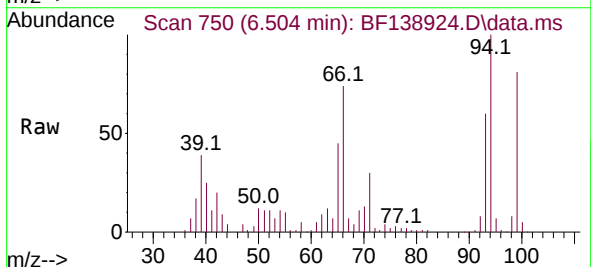
RT: 6.504 min Scan# 750

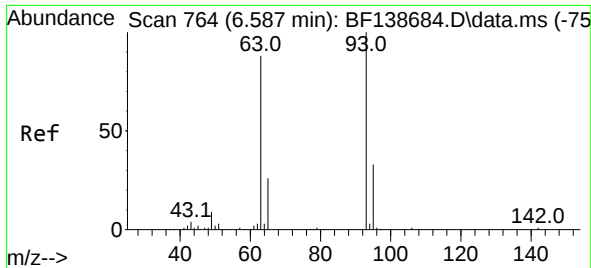
Delta R.T. 0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 196250 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 45.2  | 16.9  | 56.9   |
| 66       | 74.3  | 36.5  | 76.5   |





#11  
bis(2-Chloroethyl)ether  
Concen: 37.521 ng  
RT: 6.581 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

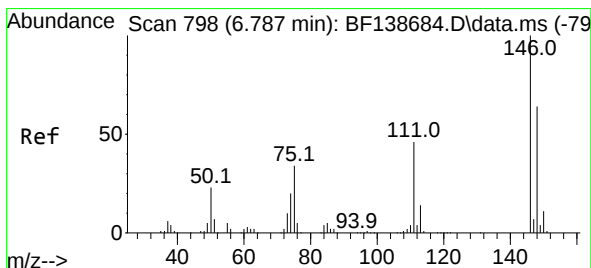
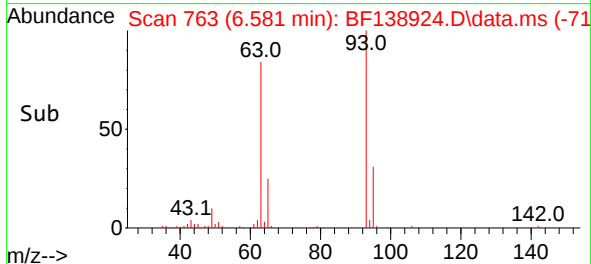
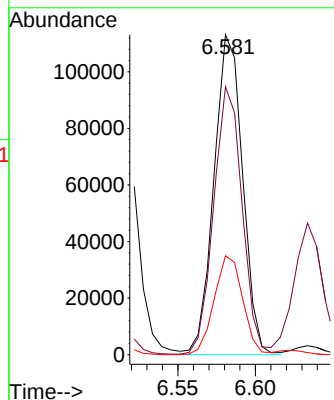
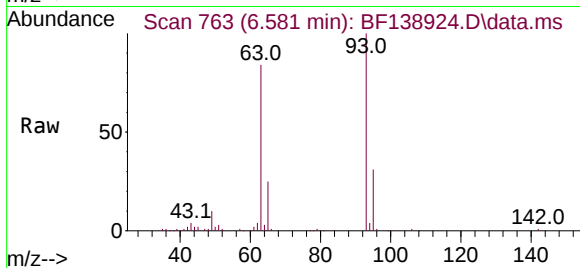
ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 145388  
Ion Ratio Lower Upper  
93 100  
63 83.7 65.3 105.3  
95 30.9 12.4 52.4

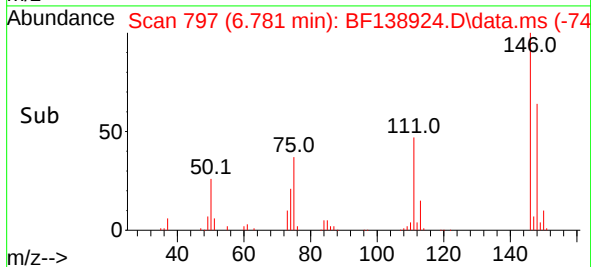
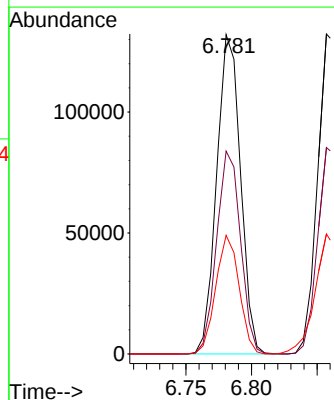
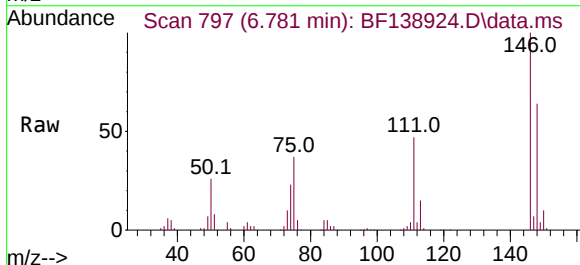
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#12  
1,3-Dichlorobenzene  
Concen: 39.751 ng  
RT: 6.781 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:146 Resp: 166761  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.2 76.8  
75 37.1 27.4 41.2





#13  
1,4-Dichlorobenzene  
Concen: 40.016 ng  
RT: 6.857 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

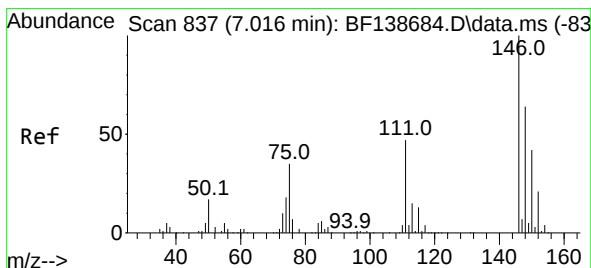
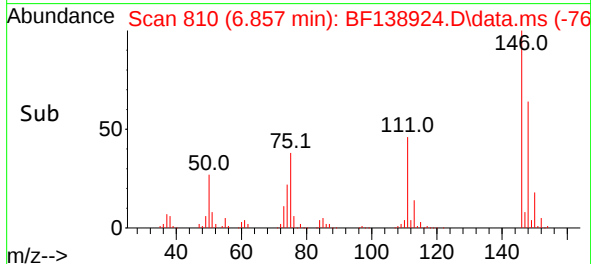
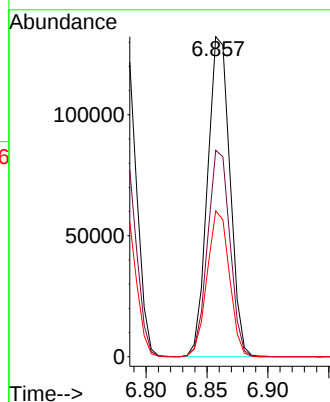
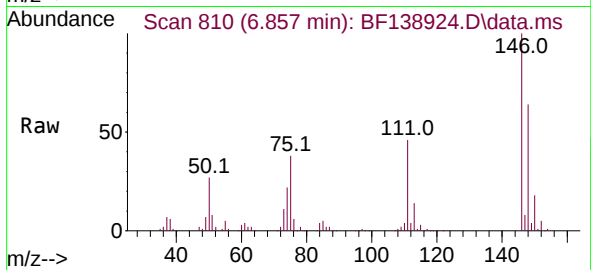
SSTDCCC040

Tgt Ion:146 Resp: 169414  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.2 75.2  
111 45.6 35.9 53.9

Manual Integrations

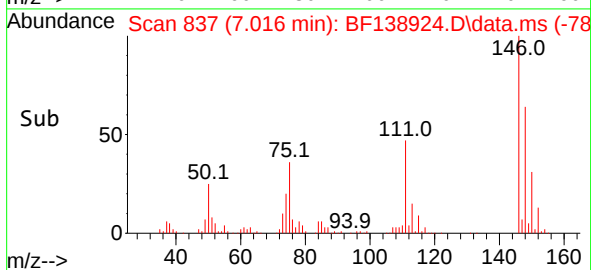
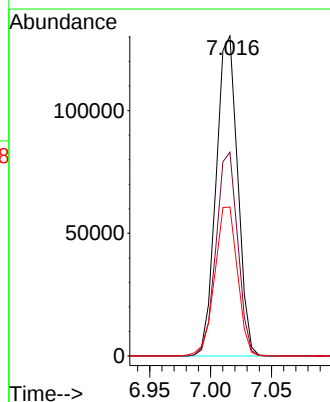
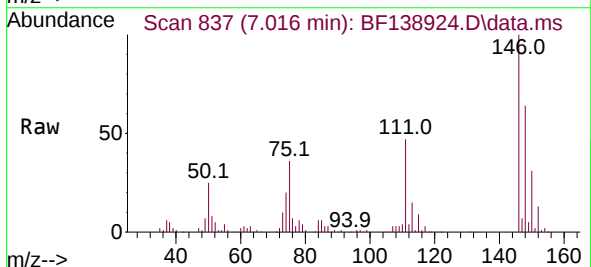
APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#14  
1,2-Dichlorobenzene  
Concen: 40.696 ng  
RT: 7.016 min Scan# 837  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

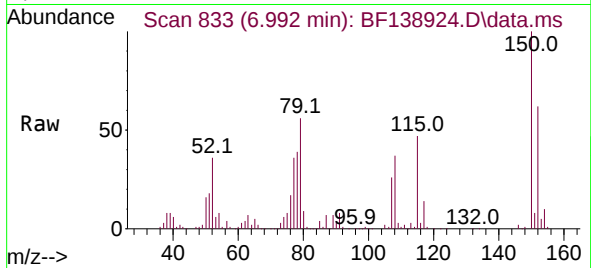
Tgt Ion:146 Resp: 161019  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.8 76.2  
111 46.6 37.4 56.2





#15  
Benzyl Alcohol  
Concen: 41.873 ng  
RT: 6.992 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

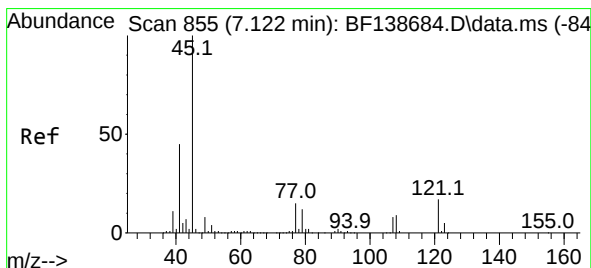
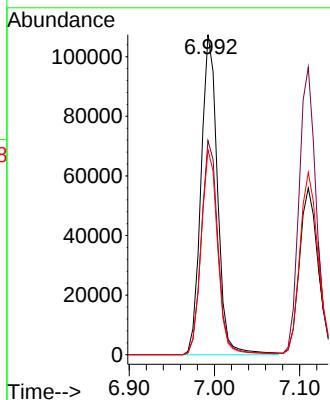
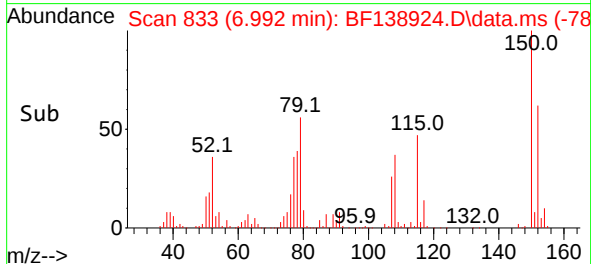
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



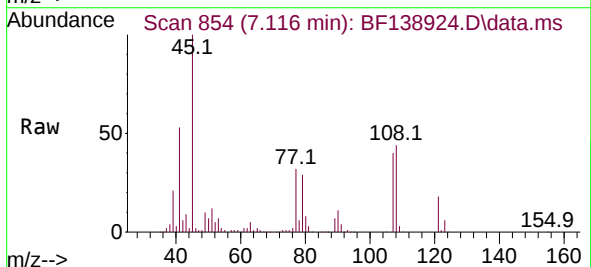
Tgt Ion: 79 Resp: 144334  
Ion Ratio Lower Upper  
79 100  
108 66.9 56.6 85.0  
77 64.0 50.3 75.5

Manual Integrations  
APPROVED

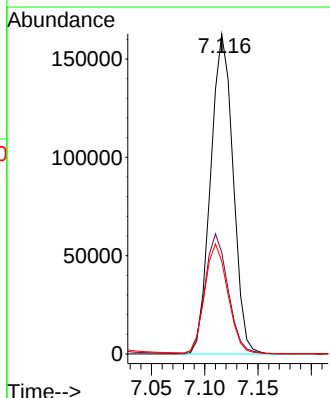
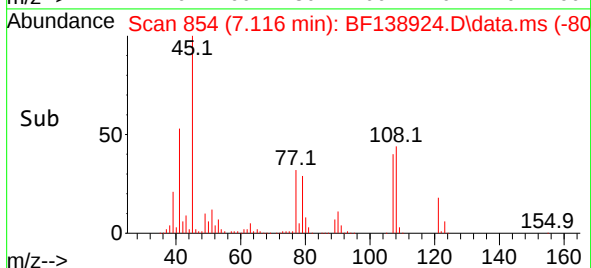
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 35.786 ng  
RT: 7.116 min Scan# 854  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion: 45 Resp: 238637  
Ion Ratio Lower Upper  
45 100  
77 31.8 0.0 34.9  
79 28.9 0.0 32.2





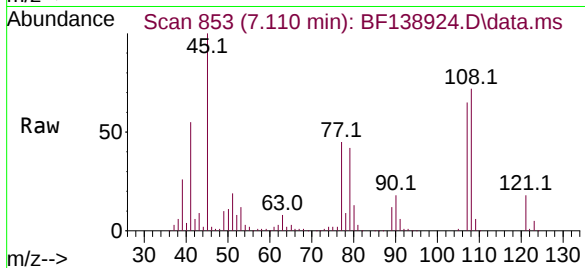
#17  
2-Methylphenol  
Concen: 39.738 ng  
RT: 7.110 min Scan# 853  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

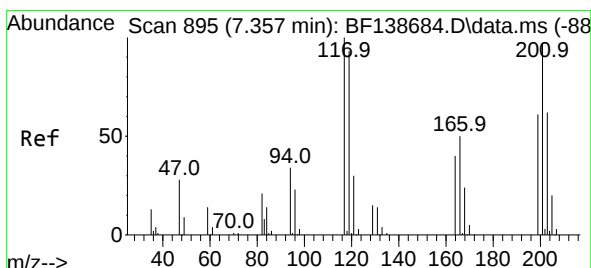
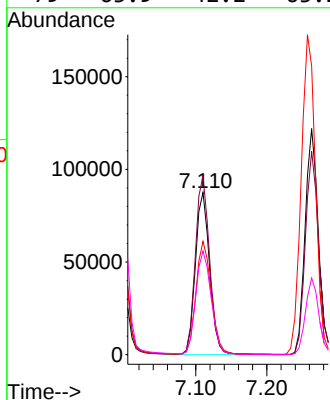
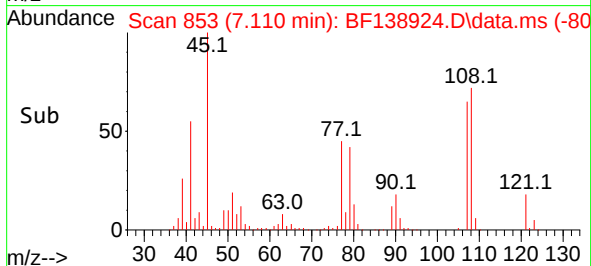


Tgt Ion:107 Resp: 122974  
Ion Ratio Lower Upper  
107 100  
108 110.3 89.2 133.8  
77 69.9 43.0 64.4  
79 63.9 42.2 63.2#

Manual Integrations

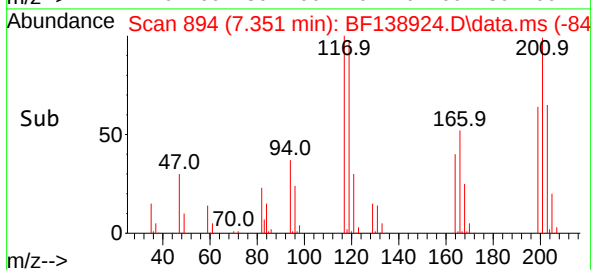
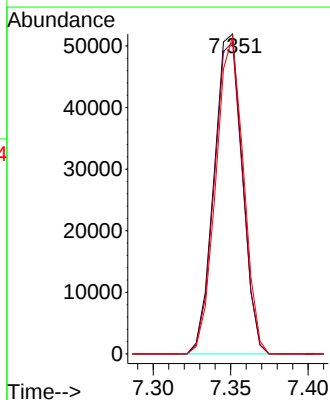
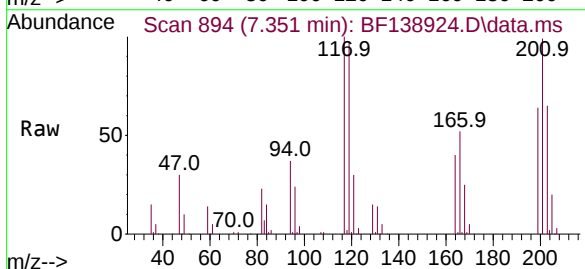
APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#18  
Hexachloroethane  
Concen: 41.410 ng  
RT: 7.351 min Scan# 894  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:117 Resp: 65992  
Ion Ratio Lower Upper  
117 100  
119 97.4 74.6 111.8  
201 99.3 77.2 115.8





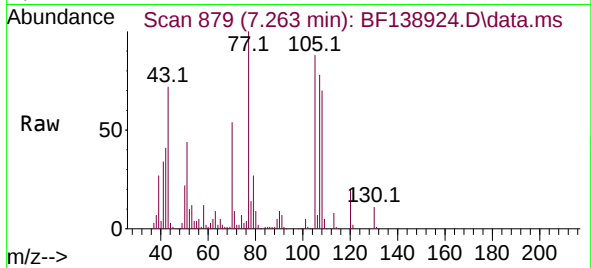
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.915 ng  
RT: 7.263 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



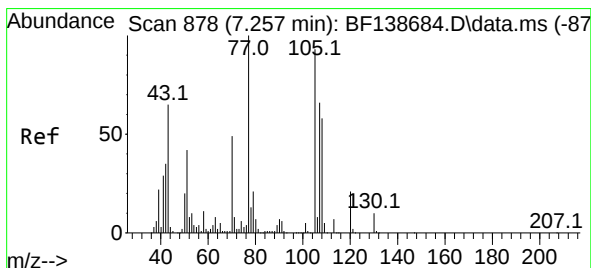
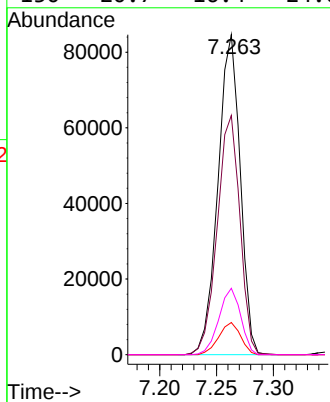
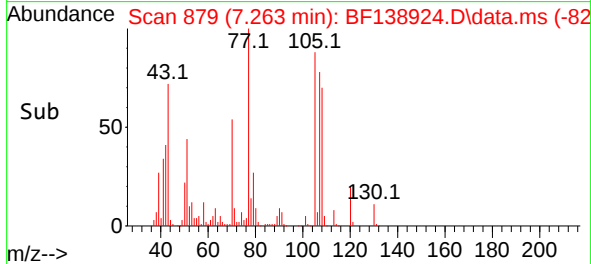
Tgt Ion: 70 Resp: 115290  
Ion Ratio Lower Upper  
70 100  
42 74.8 57.4 86.0  
101 10.0 7.5 11.3  
130 20.7 16.4 24.6

Manual Integrations

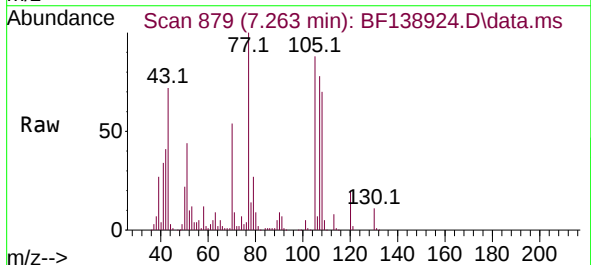
APPROVED

Reviewed By :Yogesh Patel 08/13/2024

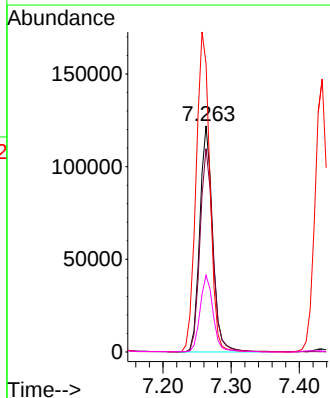
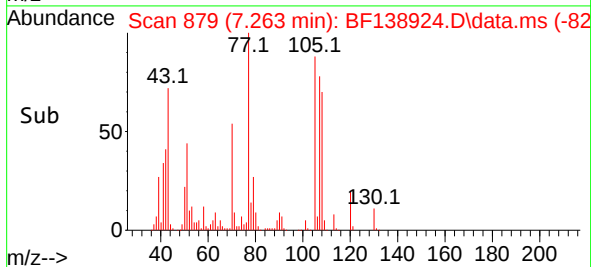
Supervised By :mohammad ahmed 08/13/2024

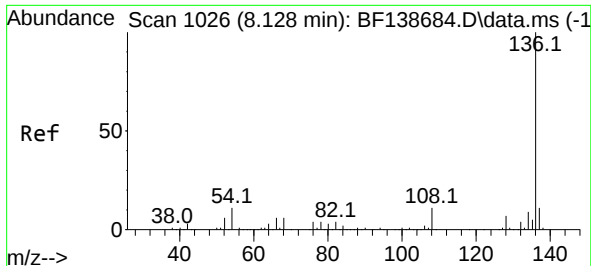


#20  
3+4-Methylphenols  
Concen: 40.467 ng  
RT: 7.263 min Scan# 879  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:107 Resp: 160676  
Ion Ratio Lower Upper  
107 100  
108 89.9 68.2 108.2  
77 127.7 132.1 172.1#  
79 33.9 11.5 51.5





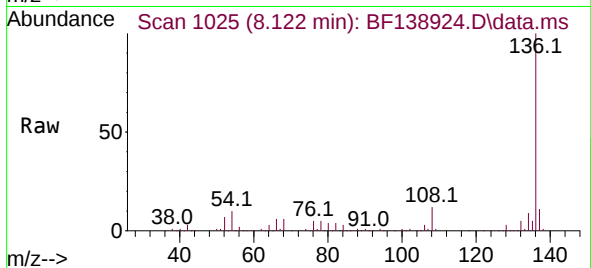
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

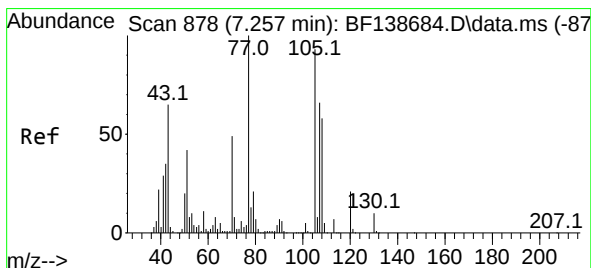
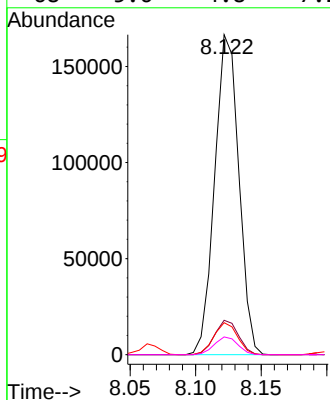
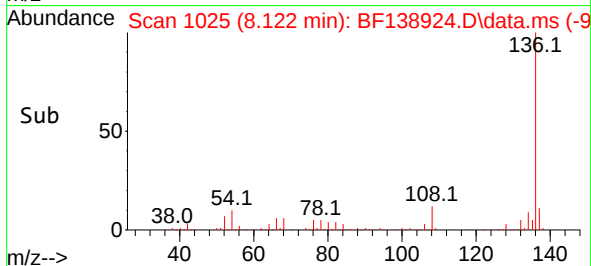


Tgt Ion:136 Resp: 213210  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 10.0 8.6 12.8  
68 5.6 4.8 7.2

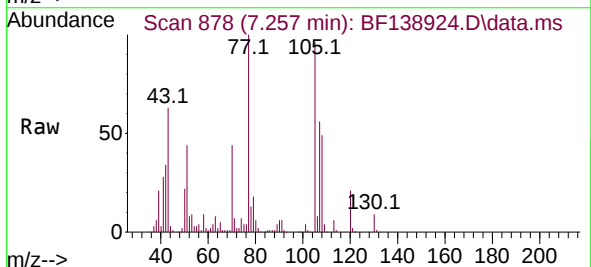
Manual Integrations

APPROVED

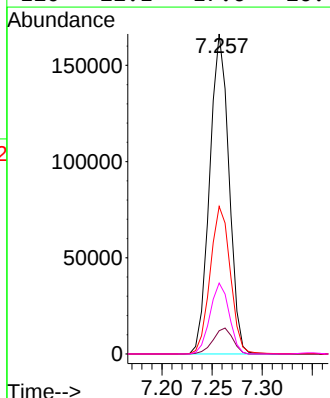
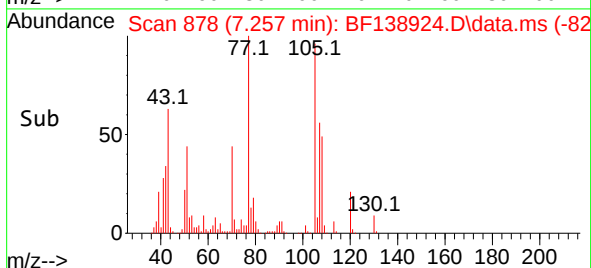
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024

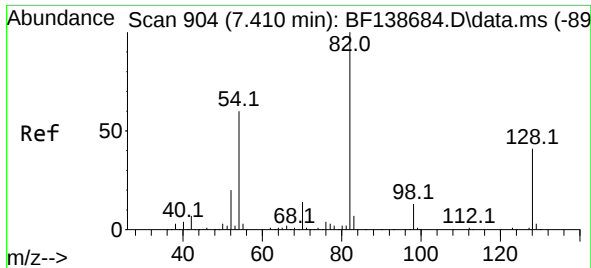


#22  
Acetophenone  
Concen: 42.657 ng  
RT: 7.257 min Scan# 878  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:105 Resp: 222690  
Ion Ratio Lower Upper  
105 100  
71 7.2 7.2 10.8  
51 46.1 35.9 53.9  
120 22.1 17.6 26.4





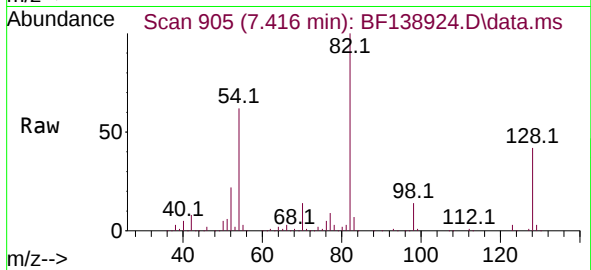
#23  
Nitrobenzene-d5  
Concen: 84.063 ng  
RT: 7.416 min Scan# 904  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

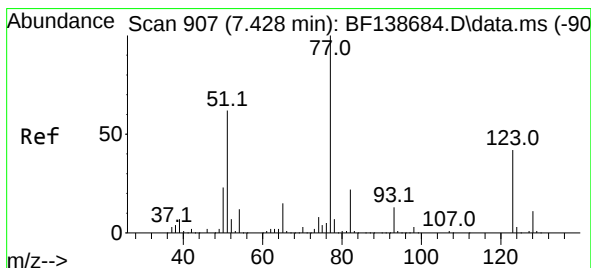
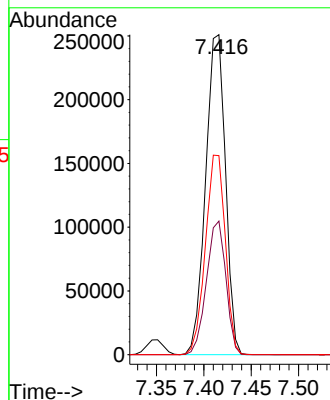
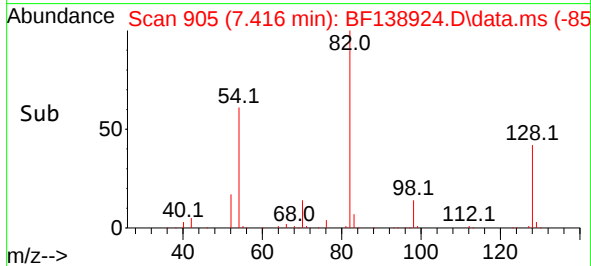


Tgt Ion: 82 Resp: 36658  
Ion Ratio Lower Upper  
82 100  
128 41.7 32.8 49.2  
54 62.2 48.3 72.5

Manual Integrations

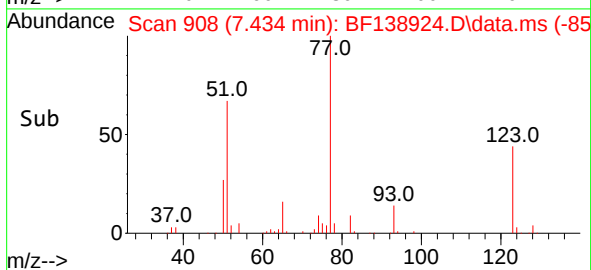
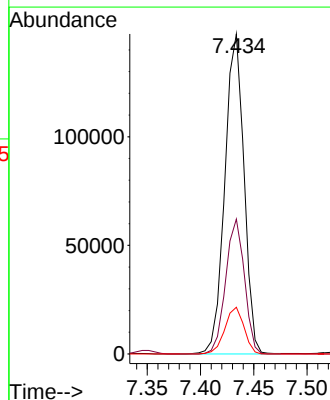
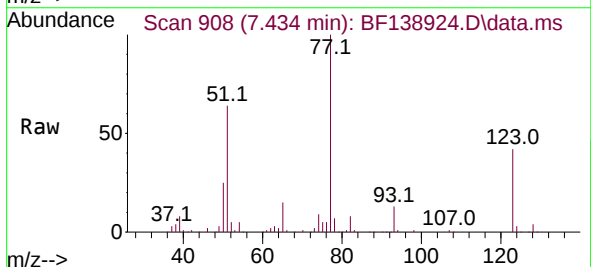
APPROVED

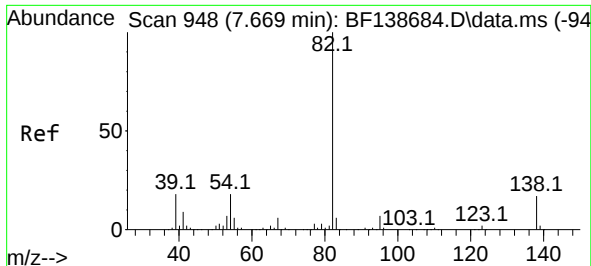
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#24  
Nitrobenzene  
Concen: 41.417 ng  
RT: 7.434 min Scan# 908  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

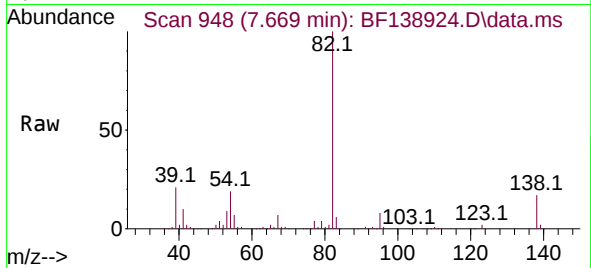
Tgt Ion: 77 Resp: 183789  
Ion Ratio Lower Upper  
77 100  
123 42.1 33.3 49.9  
65 14.6 11.9 17.9





#25  
Isophorone  
Concen: 40.074 ng  
RT: 7.669 min Scan# 948  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

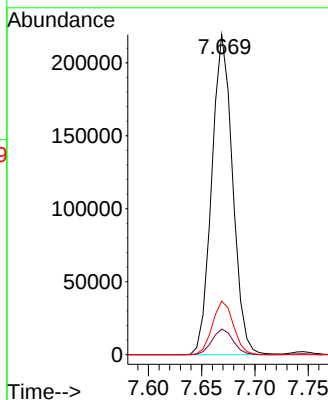
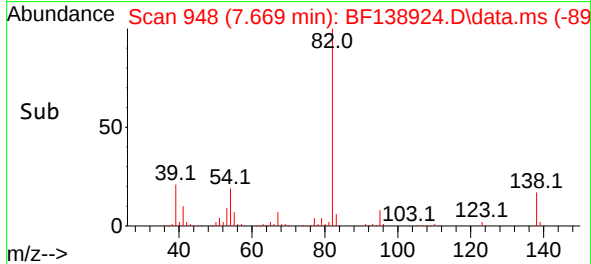
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



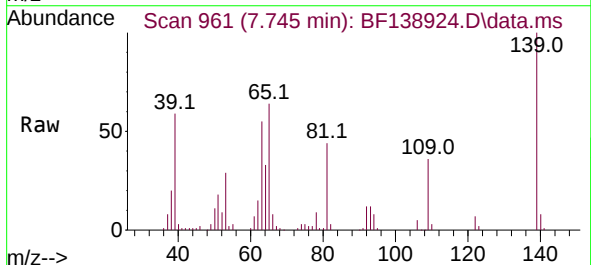
Tgt Ion: 82 Resp: 298408  
Ion Ratio Lower Upper  
82 100  
95 8.0 5.7 8.5  
138 16.8 13.7 20.5

Manual Integrations  
APPROVED

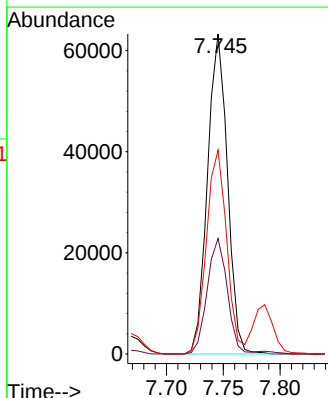
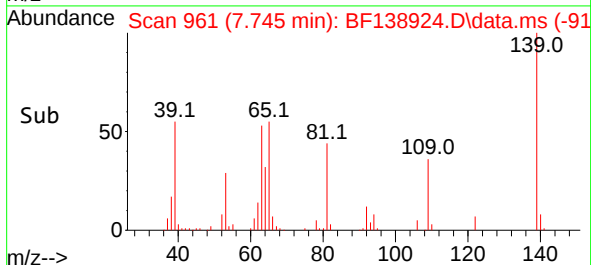
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024

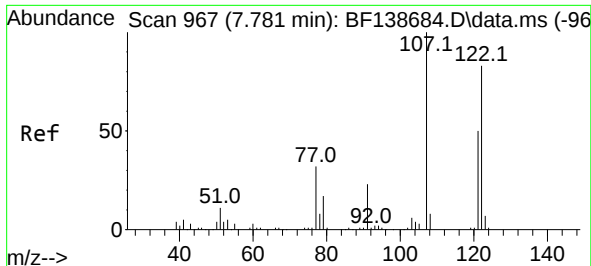


#26  
2-Nitrophenol  
Concen: 40.445 ng  
RT: 7.745 min Scan# 961  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:139 Resp: 77216  
Ion Ratio Lower Upper  
139 100  
109 36.1 25.9 38.9  
65 63.7 47.0 70.6





#27  
2,4-Dimethylphenol  
Concen: 40.631 ng  
RT: 7.786 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

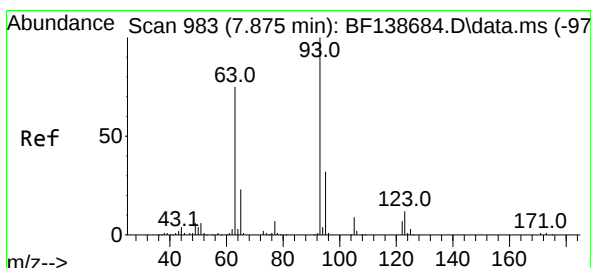
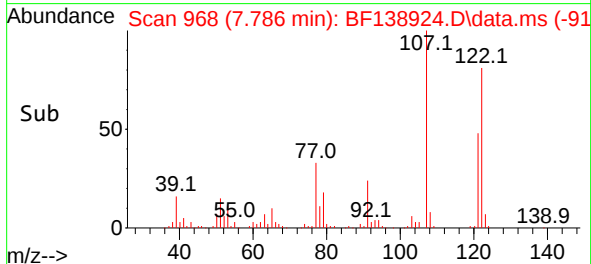
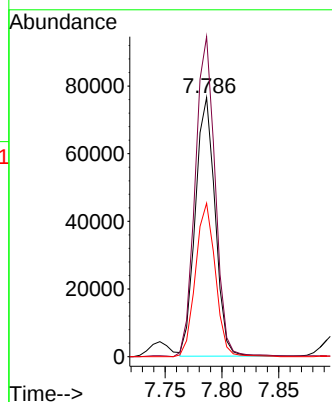
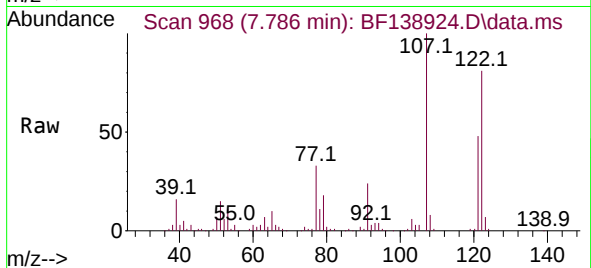
SSTDCCC040

Tgt Ion:122 Resp: 9281  
Ion Ratio Lower Upper  
122 100  
107 123.4 95.0 142.6  
121 59.2 47.3 70.9

Manual Integrations

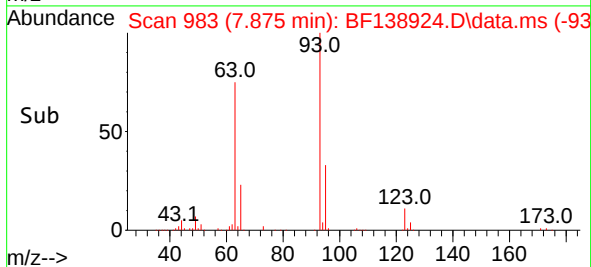
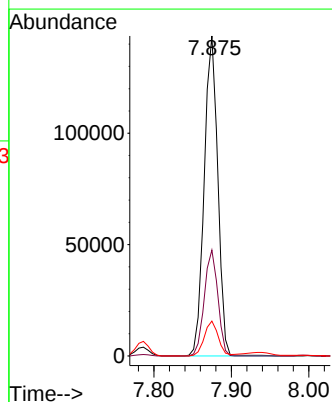
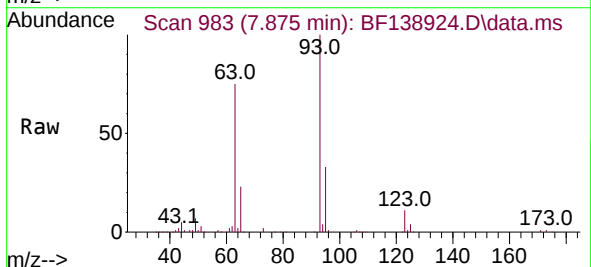
APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 38.590 ng  
RT: 7.875 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion: 93 Resp: 174990  
Ion Ratio Lower Upper  
93 100  
95 33.1 25.8 38.8  
123 10.9 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 41.744 ng

RT: 7.992 min Scan# 1003

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

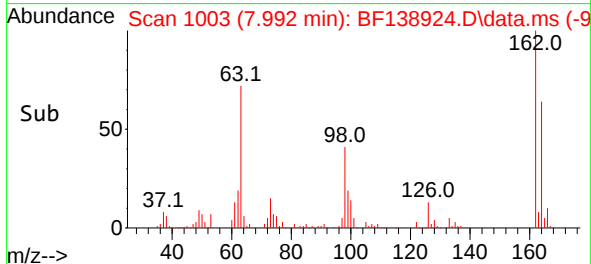
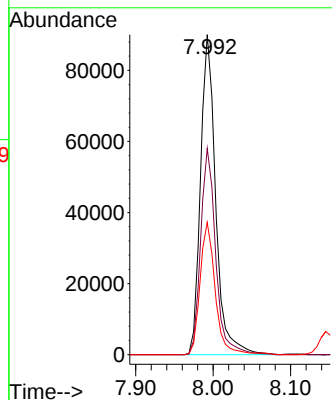
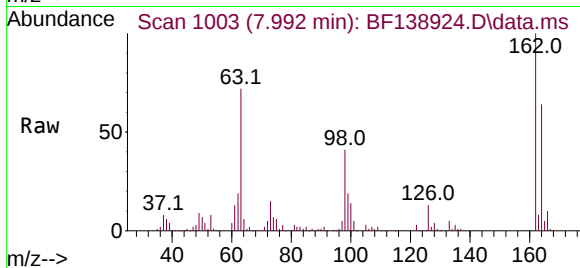
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 122529 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.5  | 44.7  | 84.7   |
| 98        | 41.4  | 20.8  | 60.8   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#30

1,2,4-Trichlorobenzene

Concen: 41.064 ng

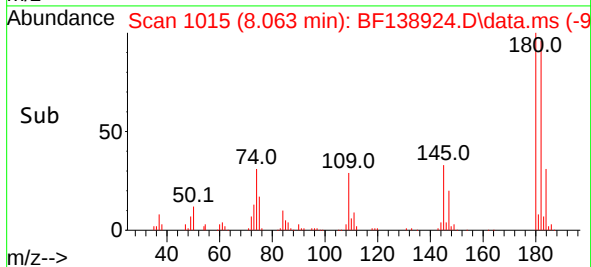
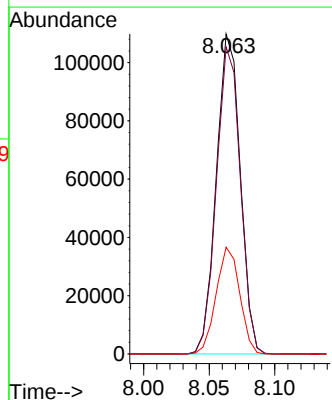
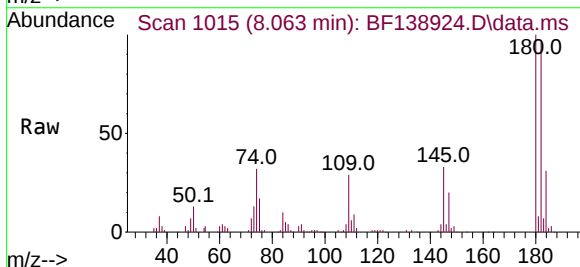
RT: 8.063 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 139098 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.0  | 76.9  | 115.3  |
| 145       | 33.4  | 25.0  | 37.4   |





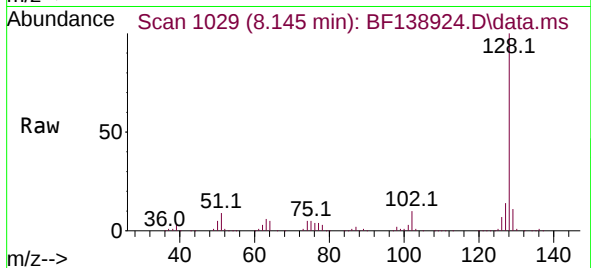
#31  
Naphthalene  
Concen: 40.770 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



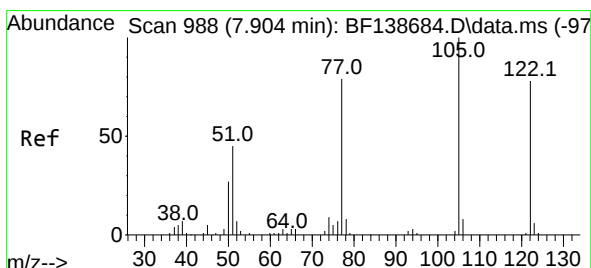
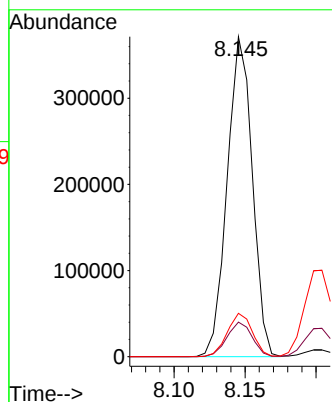
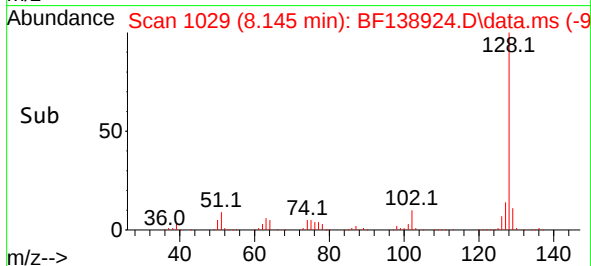
Tgt Ion:128 Resp: 457550  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.6 10.6 16.0

Manual Integrations

APPROVED

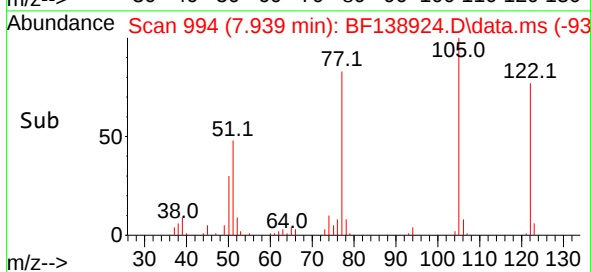
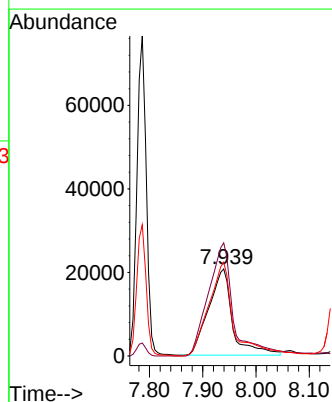
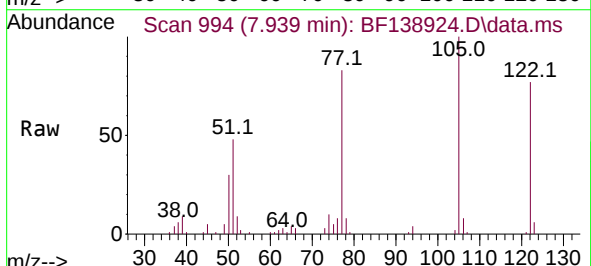
Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#32  
Benzoic acid  
Concen: 35.983 ng  
RT: 7.939 min Scan# 994  
Delta R.T. 0.035 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:122 Resp: 64611  
Ion Ratio Lower Upper  
122 100  
105 129.9 106.7 146.7  
77 107.6 81.1 121.1





#33  
4-Chloroaniline  
Concen: 38.374 ng  
RT: 8.204 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

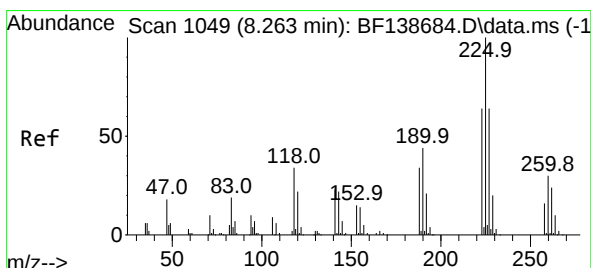
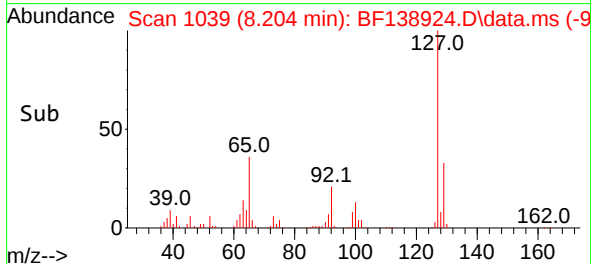
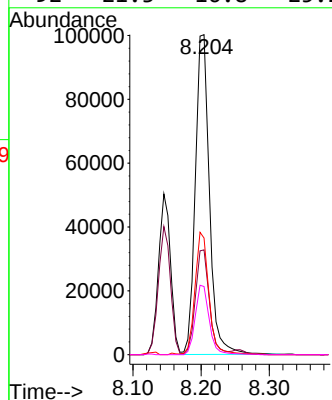
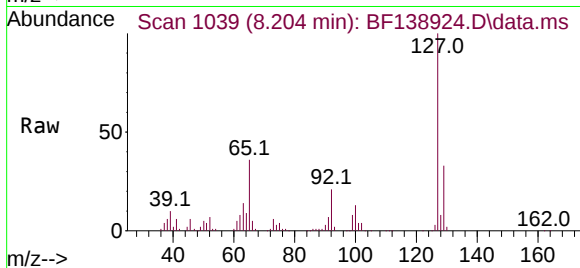
ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 14456  
Ion Ratio Lower Upper  
127 100  
129 32.7 25.9 38.9  
65 36.5 27.6 41.4  
92 21.3 16.8 25.2

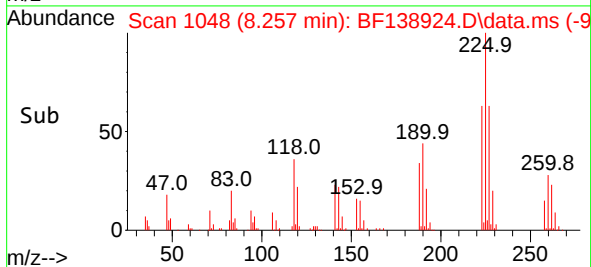
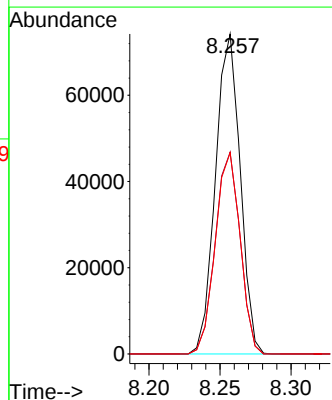
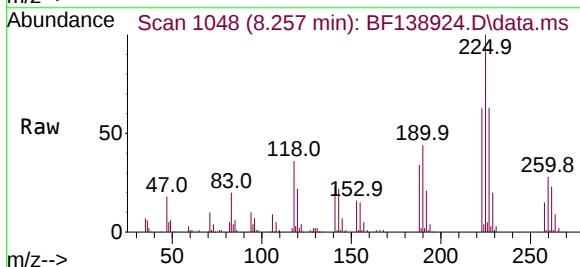
Manual Integrations  
APPROVED

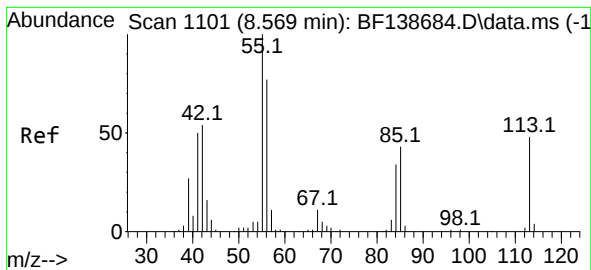
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#34  
Hexachlorobutadiene  
Concen: 43.747 ng  
RT: 8.257 min Scan# 1048  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:225 Resp: 89756  
Ion Ratio Lower Upper  
225 100  
223 63.1 51.2 76.8  
227 62.9 51.1 76.7





#35

Caprolactam

Concen: 42.250 ng

RT: 8.586 min Scan# 1104

Delta R.T. 0.018 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 37004

Ion Ratio Lower Upper

113 100

55 210.0 186.7 226.7

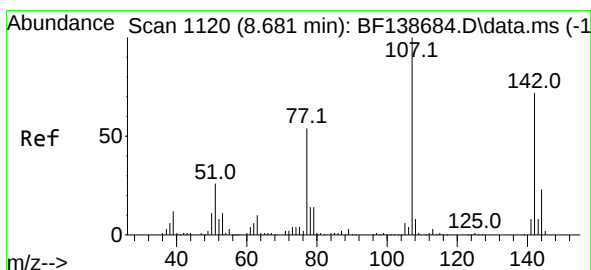
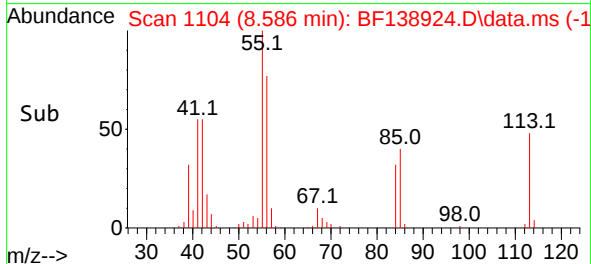
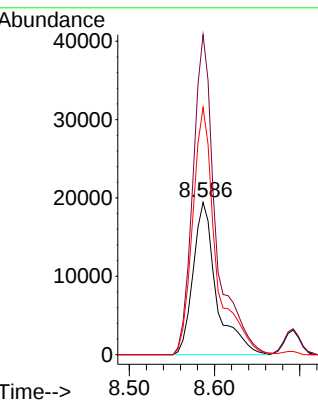
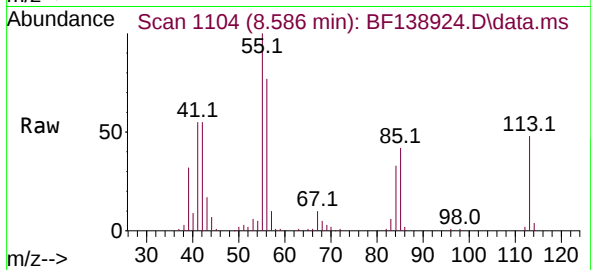
56 162.2 138.9 178.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#36

4-Chloro-3-methylphenol

Concen: 42.573 ng

RT: 8.692 min Scan# 1122

Delta R.T. 0.012 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

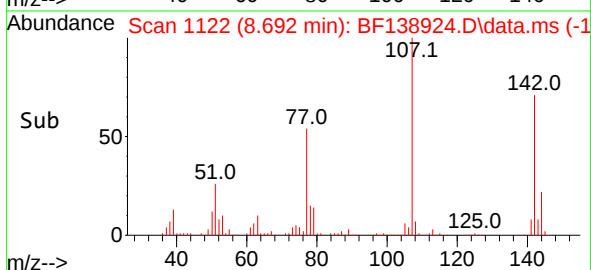
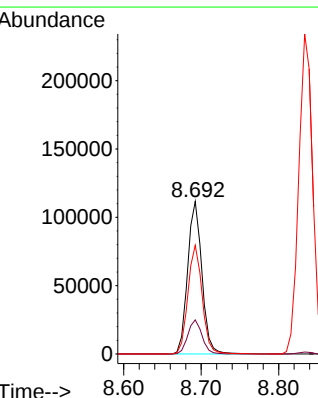
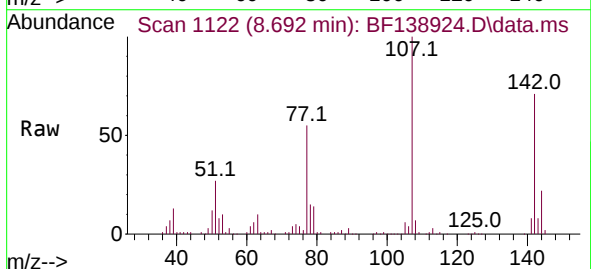
Tgt Ion:107 Resp: 142812

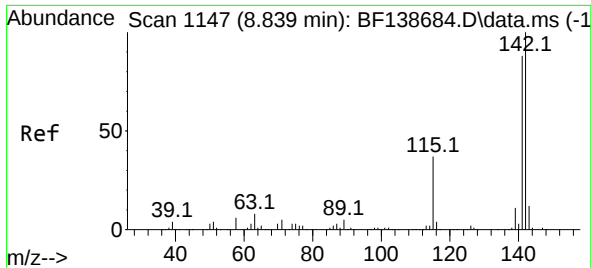
Ion Ratio Lower Upper

107 100

144 22.4 18.2 27.2

142 71.3 57.4 86.2





#37  
2-Methylnaphthalene  
Concen: 41.024 ng  
RT: 8.833 min Scan# 1147  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

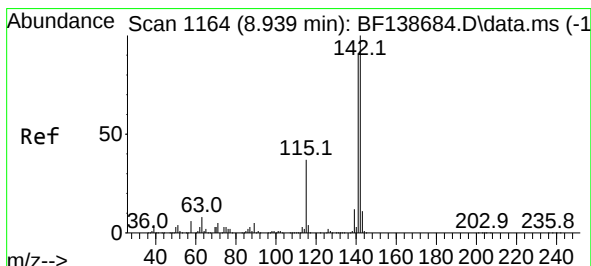
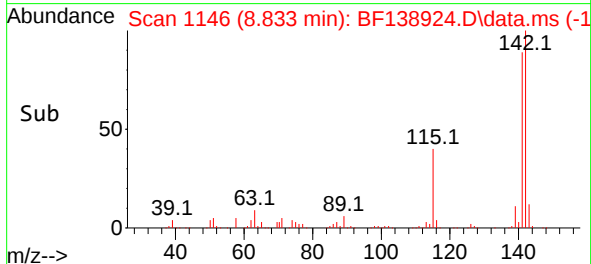
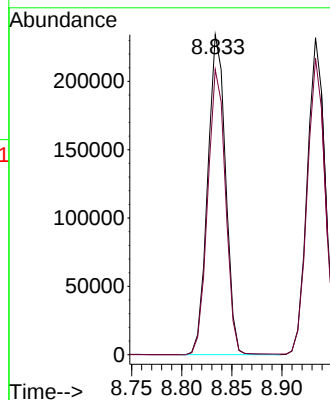
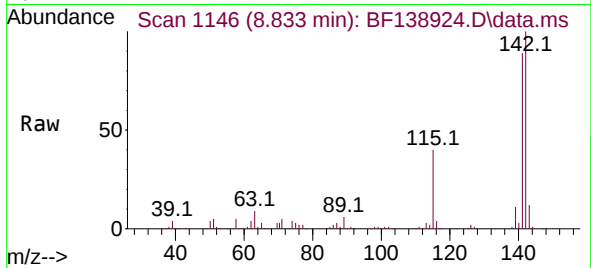
Tgt Ion:142 Resp: 29076  
Ion Ratio Lower Upper  
142 100  
141 89.1 70.8 106.2

Manual Integrations

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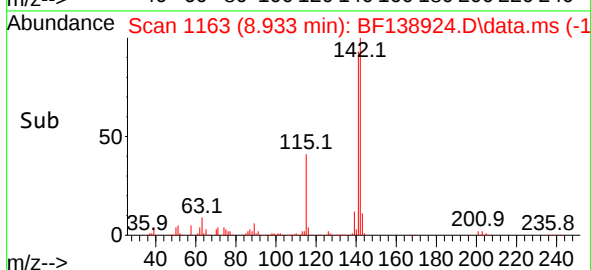
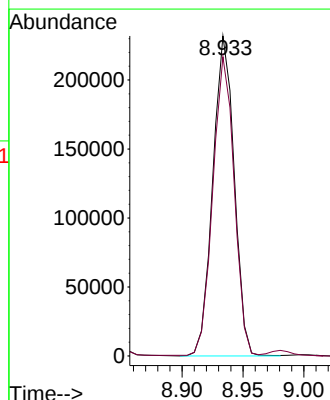
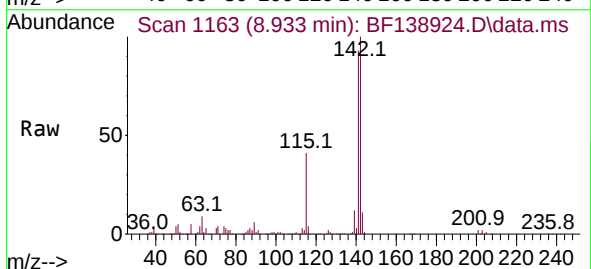
Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#38  
1-Methylnaphthalene  
Concen: 40.880 ng  
RT: 8.933 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:142 Resp: 283929  
Ion Ratio Lower Upper  
142 100  
141 93.5 73.1 109.7





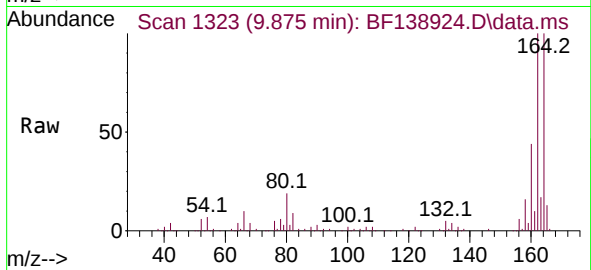
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.875 min Scan# 11720  
Delta R.T. -0.005 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



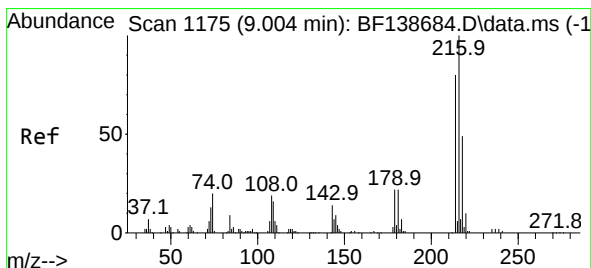
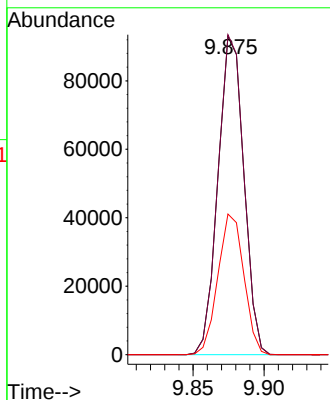
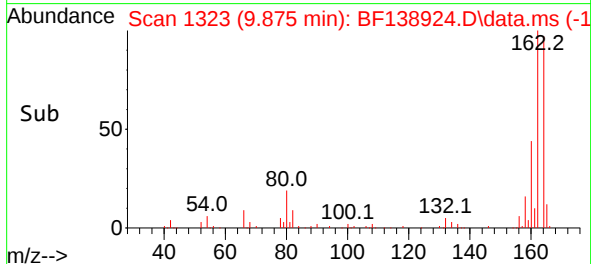
Tgt Ion:164 Resp: 117720  
Ion Ratio Lower Upper  
164 100  
162 100.4 79.4 119.0  
160 44.2 35.1 52.7

Manual Integrations

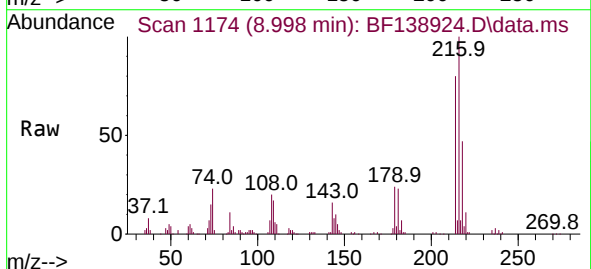
APPROVED

Reviewed By :Yogesh Patel 08/13/2024

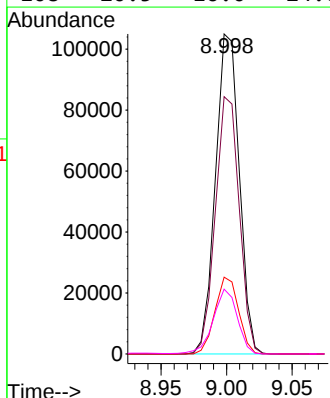
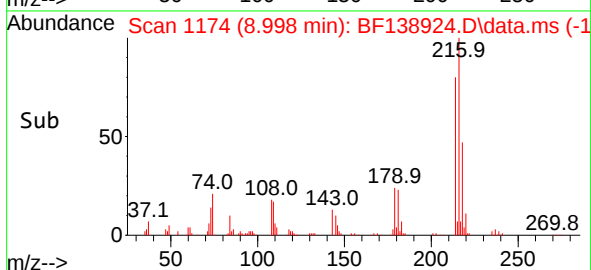
Supervised By :mohammad ahmed 08/13/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.535 ng  
RT: 8.998 min Scan# 1174  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



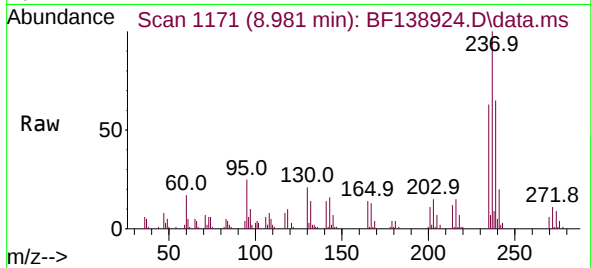
Tgt Ion:216 Resp: 132554  
Ion Ratio Lower Upper  
216 100  
214 80.6 63.9 95.9  
179 23.7 17.8 26.6  
108 20.5 16.0 24.0





#41  
Hexachlorocyclopentadiene  
Concen: 42.118 ng  
RT: 8.981 min Scan# 1172  
Delta R.T. -0.005 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

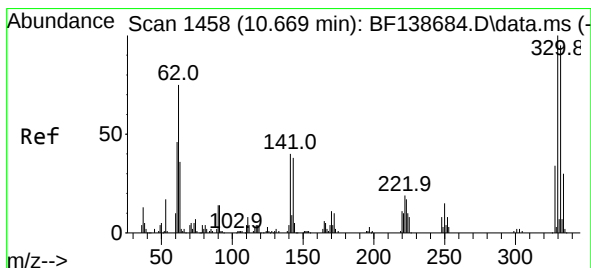
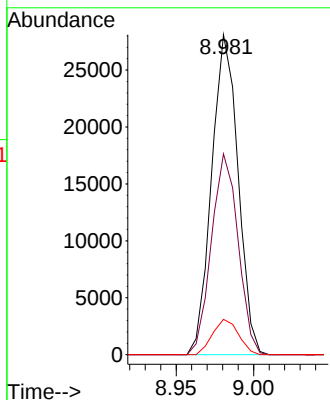
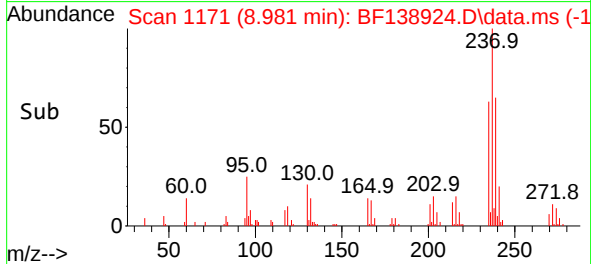
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 237 Resp: 33328  
Ion Ratio Lower Upper  
237 100  
235 62.7 41.8 81.8  
272 11.1 0.0 32.2

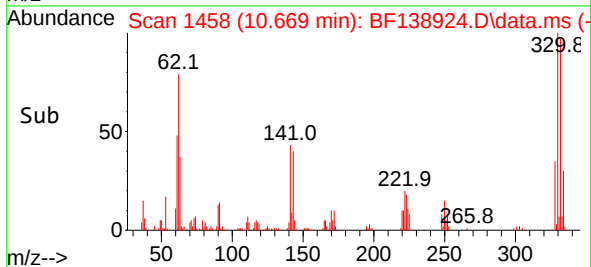
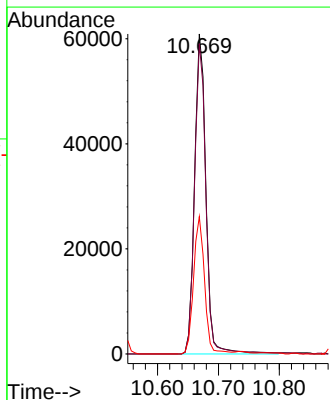
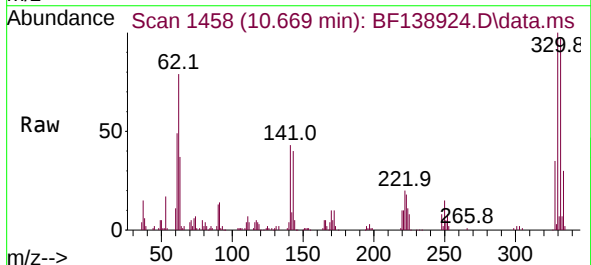
Manual Integrations  
APPROVED

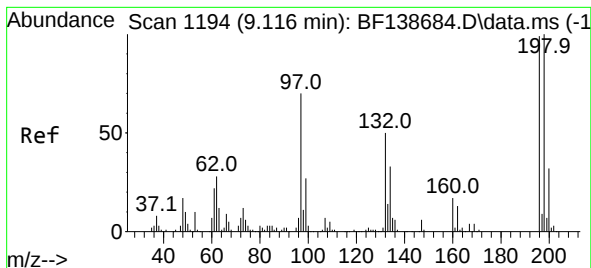
Reviewed By : Yogesh Patel 08/13/2024  
Supervised By : mohammad ahmed 08/13/2024



#42  
2,4,6-Tribromophenol  
Concen: 81.871 ng  
RT: 10.669 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

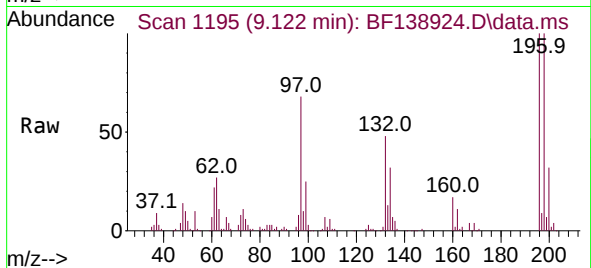
Tgt Ion: 330 Resp: 78947  
Ion Ratio Lower Upper  
330 100  
332 97.1 76.4 114.6  
141 41.6 31.1 46.7





#43  
2,4,6-Trichlorophenol  
Concen: 40.213 ng  
RT: 9.122 min Scan# 1194  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

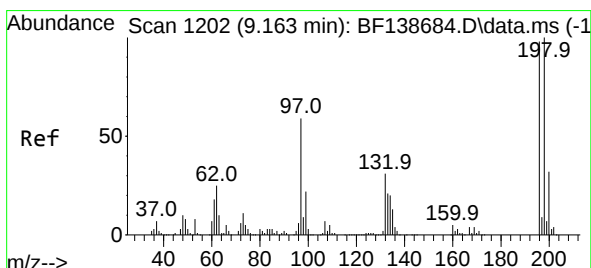
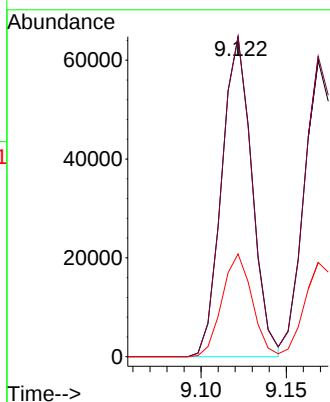
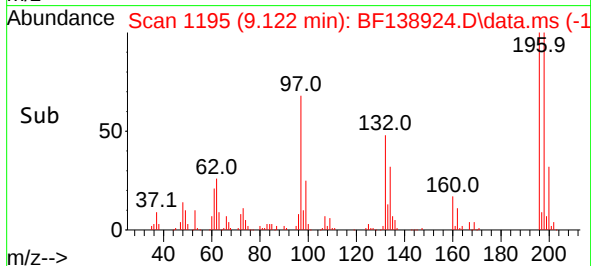
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



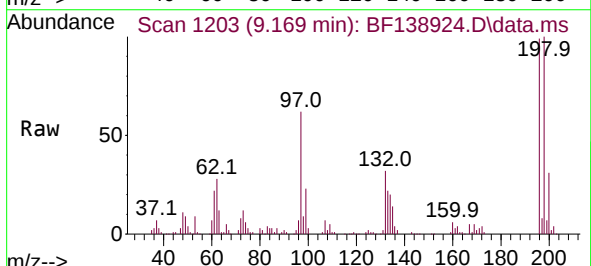
Tgt Ion:196 Resp: 80178  
Ion Ratio Lower Upper  
196 100  
198 100.0 80.5 120.7  
200 32.1 25.9 38.9

Manual Integrations  
APPROVED

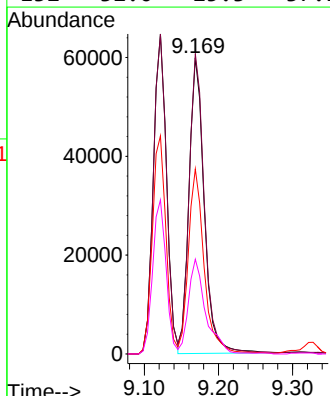
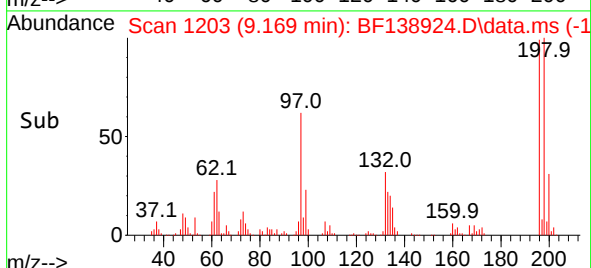
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024

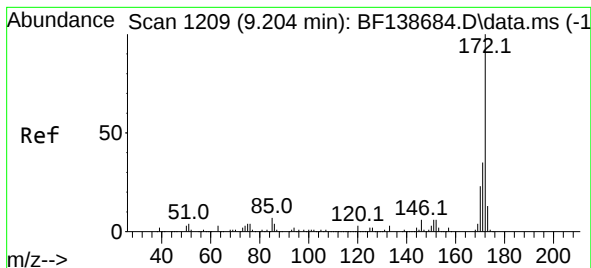


#44  
2,4,5-Trichlorophenol  
Concen: 39.143 ng  
RT: 9.169 min Scan# 1203  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:196 Resp: 85320  
Ion Ratio Lower Upper  
196 100  
198 101.5 81.2 121.8  
97 62.4 47.8 71.6  
132 32.0 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 83.451 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 65383

Ion Ratio Lower Upper

172 100

171 36.0 28.3 42.5

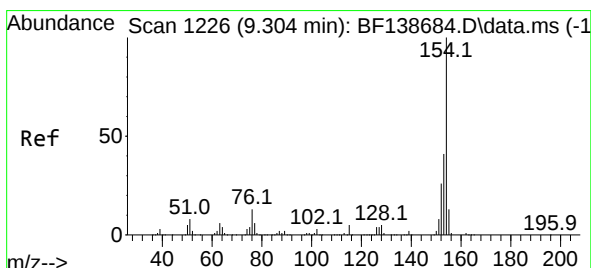
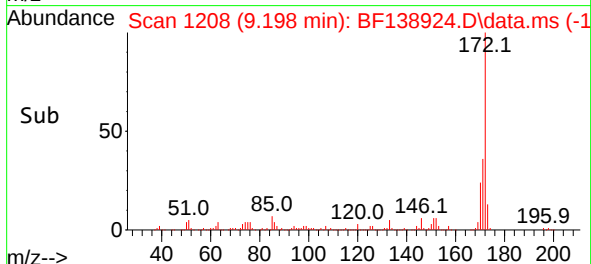
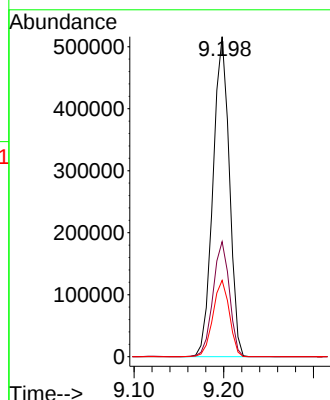
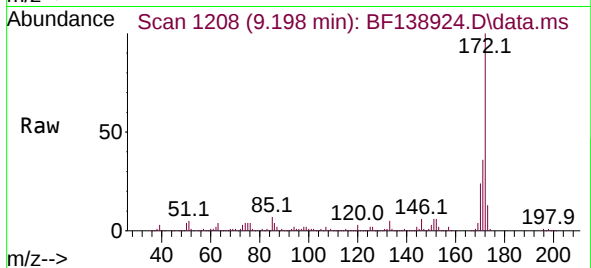
170 23.8 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#46

1,1'-Biphenyl

Concen: 39.966 ng

RT: 9.298 min Scan# 1225

Delta R.T. -0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

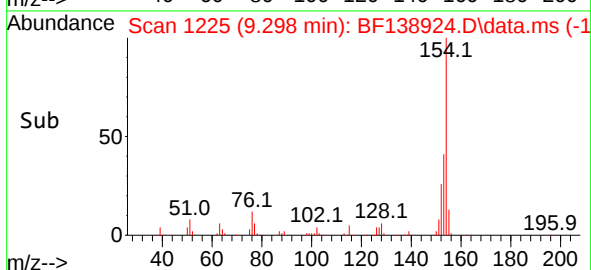
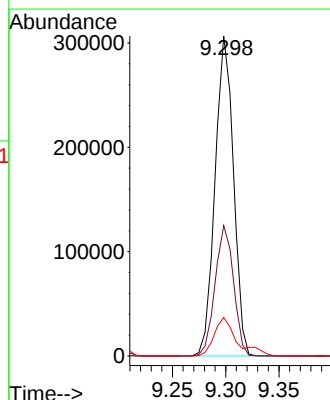
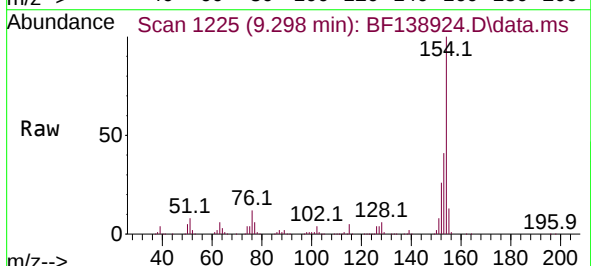
Tgt Ion:154 Resp: 368473

Ion Ratio Lower Upper

154 100

153 40.8 20.8 60.8

76 12.0 0.0 32.8





#47

2-Chloronaphthalene

Concen: 40.304 ng

RT: 9.328 min Scan# 1230

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 276360

Ion Ratio Lower Upper

162 100

127 43.8 35.4 53.2

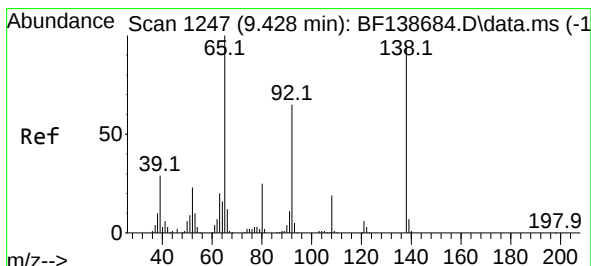
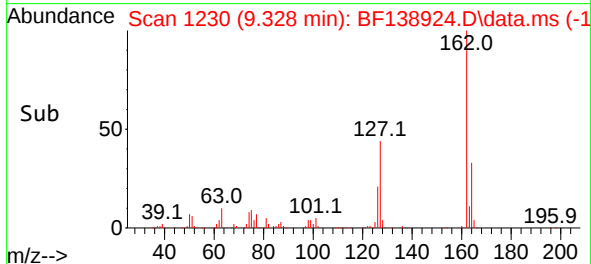
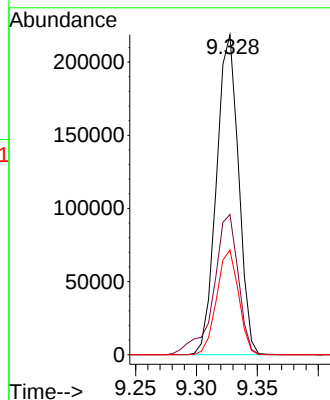
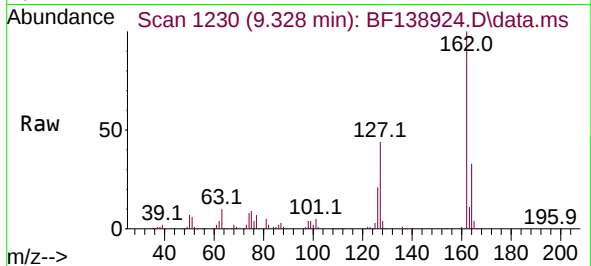
164 32.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#48

2-Nitroaniline

Concen: 41.508 ng

RT: 9.428 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

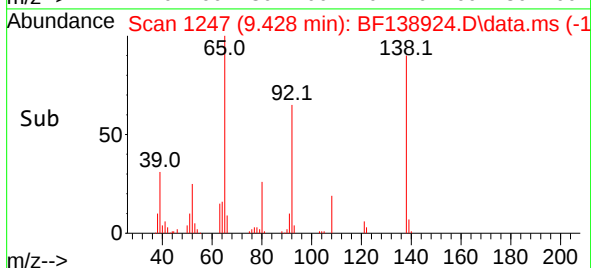
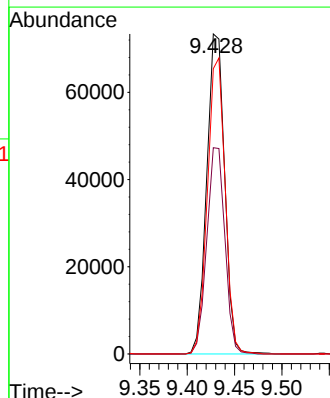
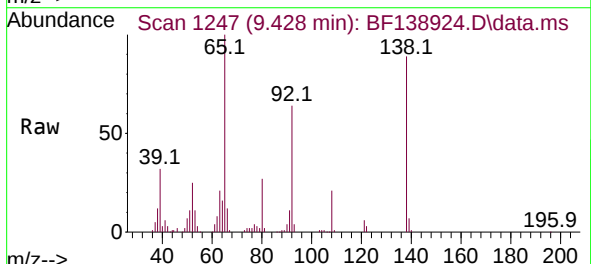
Tgt Ion: 65 Resp: 96488

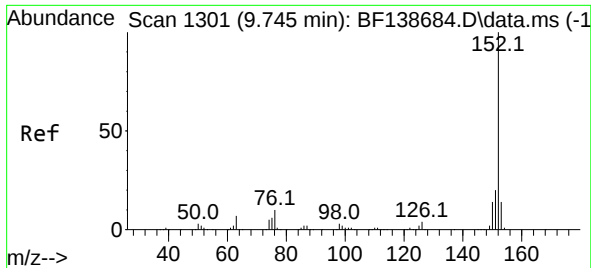
Ion Ratio Lower Upper

65 100

92 64.5 52.0 78.0

138 89.2 76.2 114.4





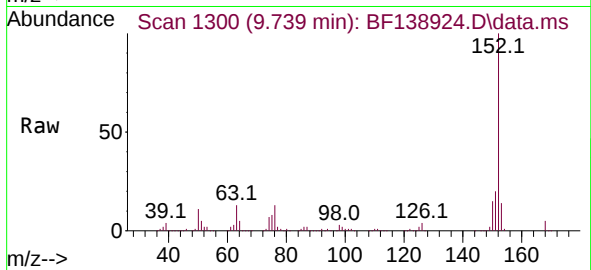
#49  
Acenaphthylene  
Concen: 40.274 ng  
RT: 9.739 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



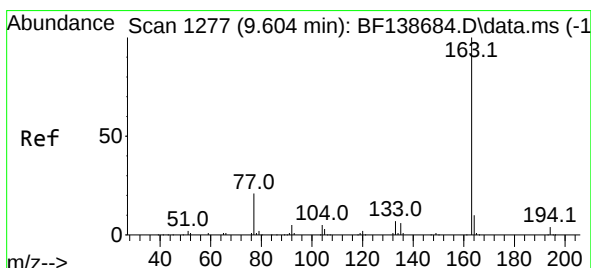
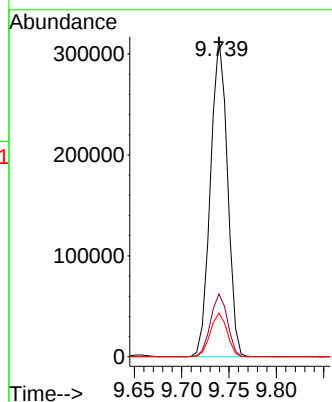
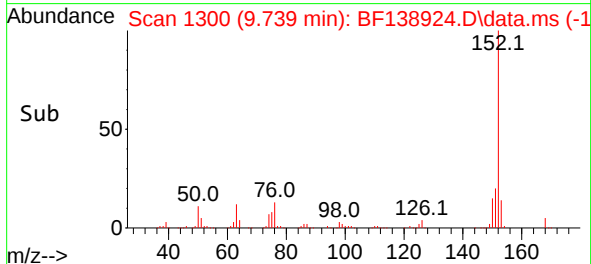
Tgt Ion:152 Resp: 391674  
Ion Ratio Lower Upper  
152 100  
151 19.6 16.0 24.0  
153 13.6 11.0 16.4

Manual Integrations

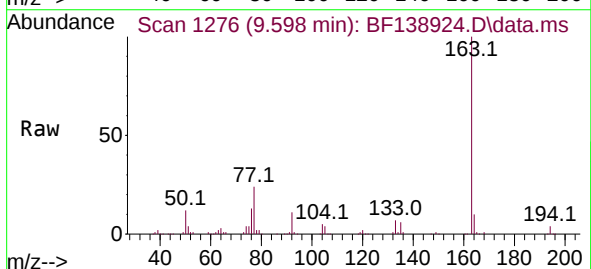
APPROVED

Reviewed By :Yogesh Patel 08/13/2024

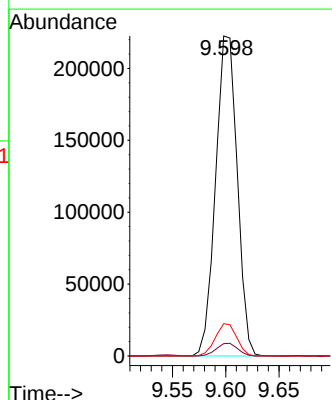
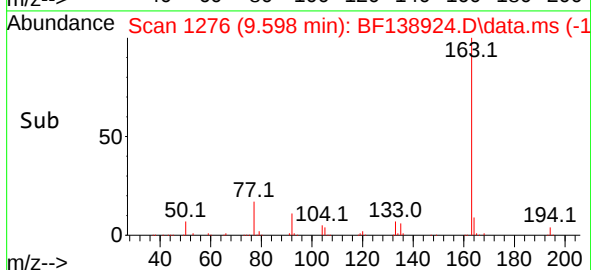
Supervised By :mohammad ahmed 08/13/2024

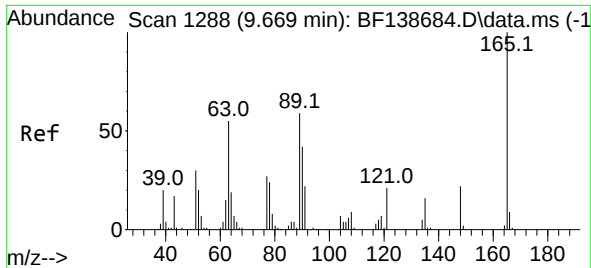


#50  
Dimethylphthalate  
Concen: 41.706 ng  
RT: 9.598 min Scan# 1276  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:163 Resp: 313929  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.1 7.8 11.8





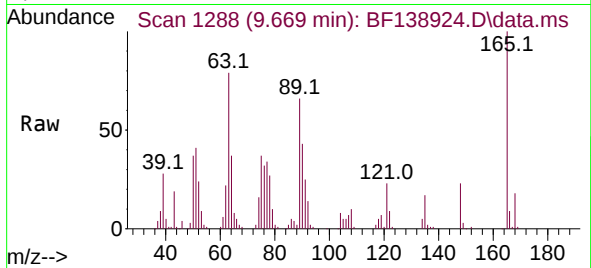
#51  
2,6-Dinitrotoluene  
Concen: 42.783 ng  
RT: 9.669 min Scan# 1288  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



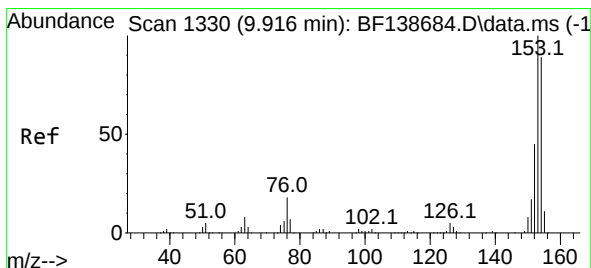
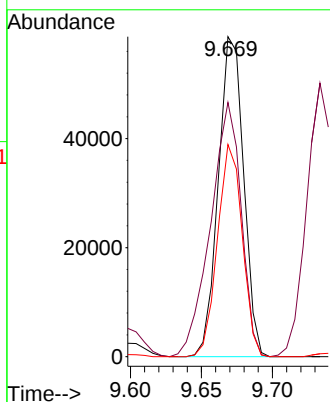
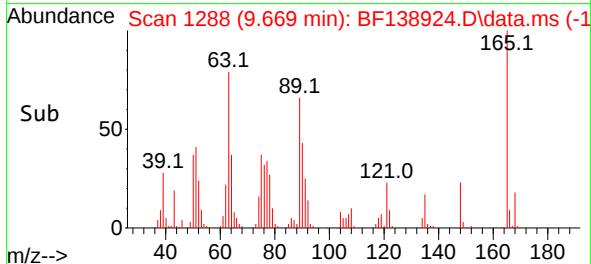
Tgt Ion:165 Resp: 72678  
Ion Ratio Lower Upper  
165 100  
63 79.4 52.0 78.0  
89 66.3 47.0 70.6

Manual Integrations

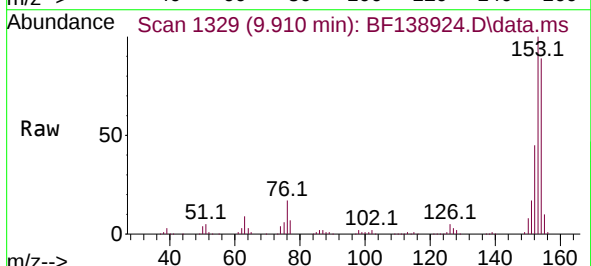
APPROVED

Reviewed By :Yogesh Patel 08/13/2024

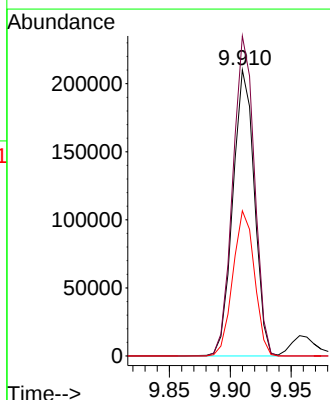
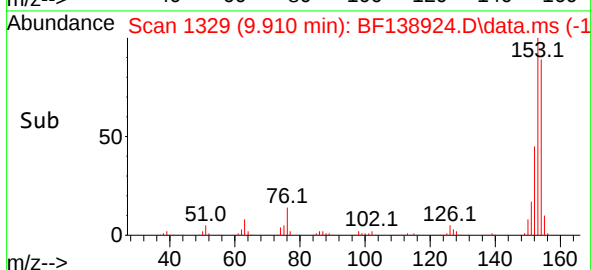
Supervised By :mohammad ahmed 08/13/2024

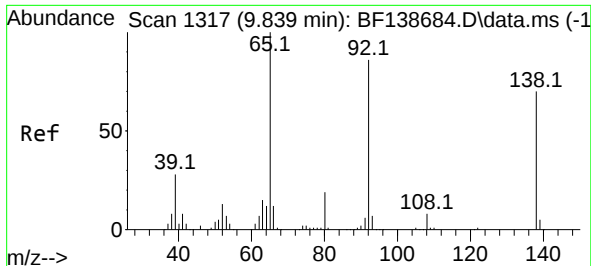


#52  
Acenaphthene  
Concen: 39.613 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:154 Resp: 258969  
Ion Ratio Lower Upper  
154 100  
153 111.8 89.9 134.9  
152 50.7 40.6 60.8





#53

3-Nitroaniline

Concen: 39.984 ng

RT: 9.845 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

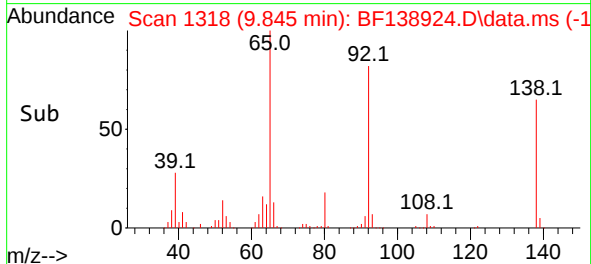
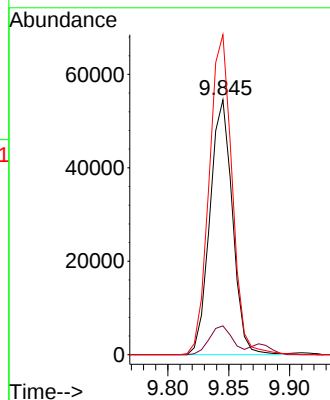
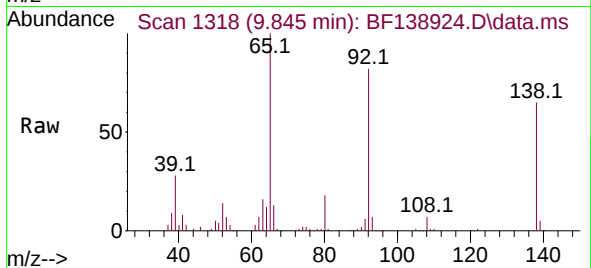
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:138 | Resp: | 7021       |
| Ion Ratio   | Lower | Upper      |
| 138         | 100   |            |
| 108         | 11.3  | 9.1 13.7   |
| 92          | 125.6 | 98.7 148.1 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#54

2,4-Dinitrophenol

Concen: 40.764 ng

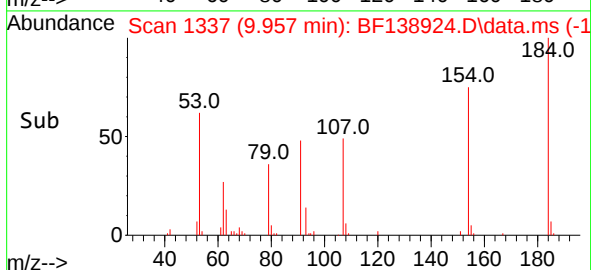
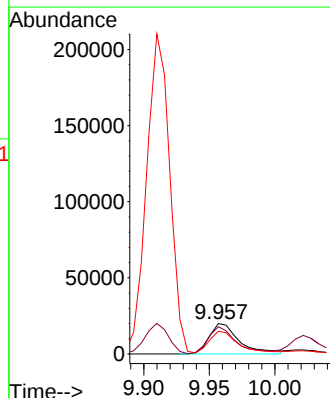
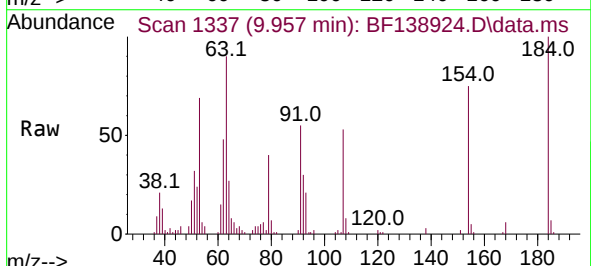
RT: 9.957 min Scan# 1337

Delta R.T. 0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

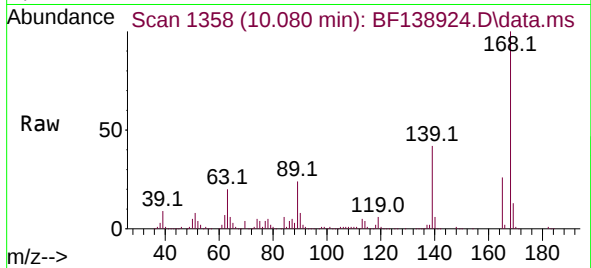
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:184 | Resp: | 31877      |
| Ion Ratio   | Lower | Upper      |
| 184         | 100   |            |
| 63          | 89.6  | 57.5 86.3# |
| 154         | 74.8  | 51.7 77.5  |





#55  
Dibenzofuran  
Concen: 40.467 ng  
RT: 10.080 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

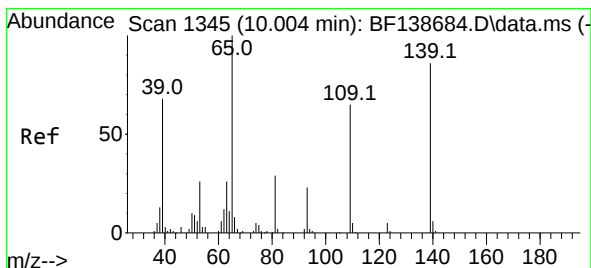
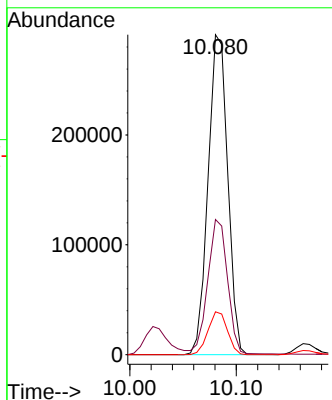
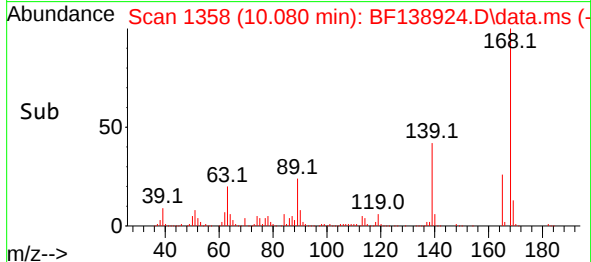
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:168 Resp: 373440  
Ion Ratio Lower Upper  
168 100  
139 42.2 32.6 49.0  
169 13.4 10.7 16.1

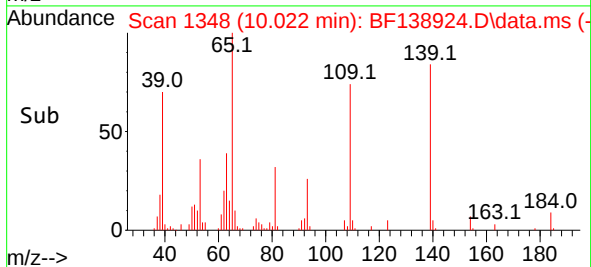
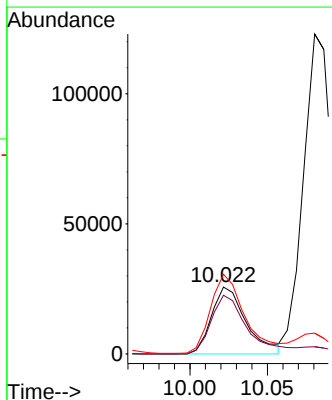
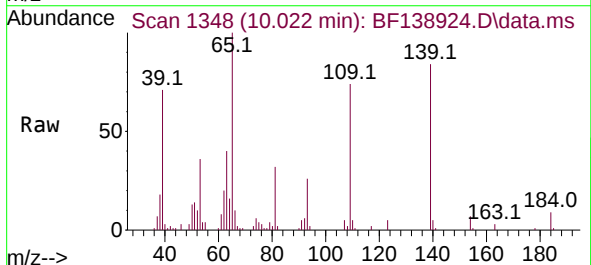
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#56  
4-Nitrophenol  
Concen: 37.880 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.018 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:139 Resp: 40003  
Ion Ratio Lower Upper  
139 100  
109 87.9 55.5 95.5  
65 119.2 96.7 136.7





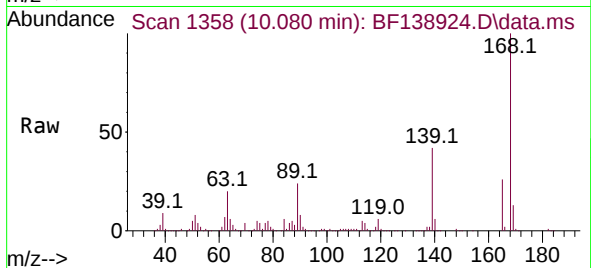
#57  
2,4-Dinitrotoluene  
Concen: 42.791 ng  
RT: 10.080 min Scan# 1356  
Delta R.T. 0.012 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



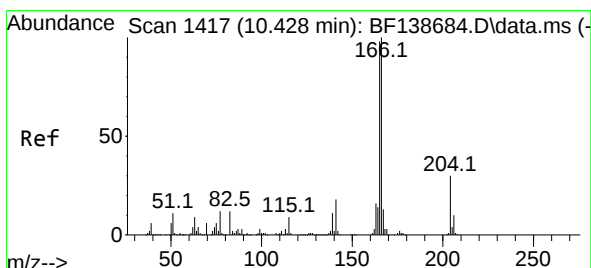
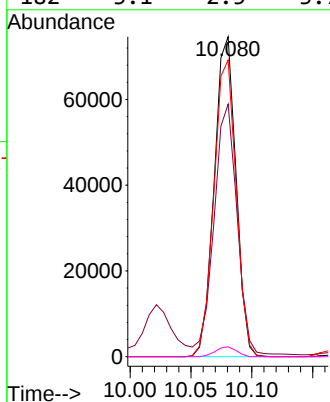
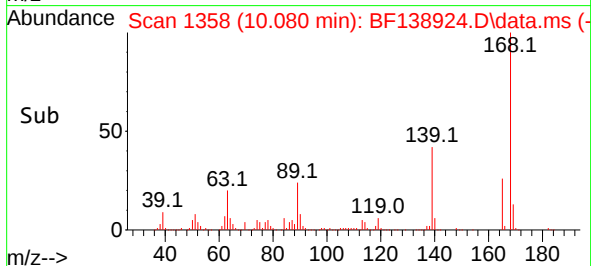
Tgt Ion:165 Resp: 92742  
Ion Ratio Lower Upper  
165 100  
63 78.9 46.3 69.5  
89 92.7 64.2 96.4  
182 3.1 2.5 3.7

Manual Integrations

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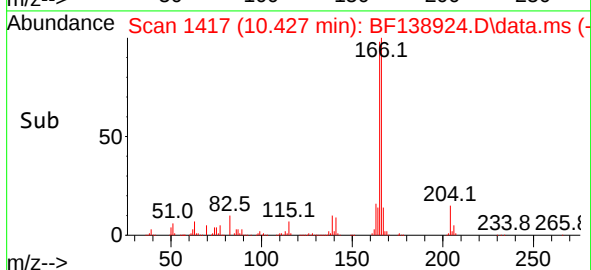
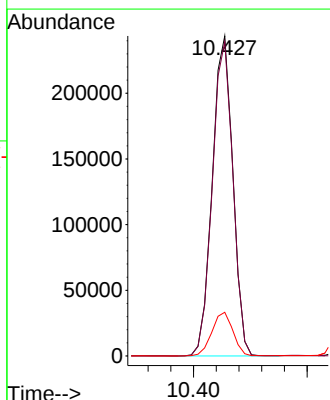
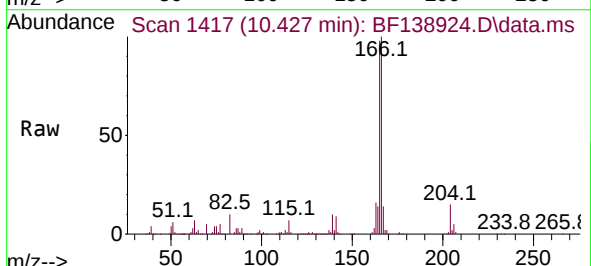
Reviewed By :Yogesh Patel 08/13/2024

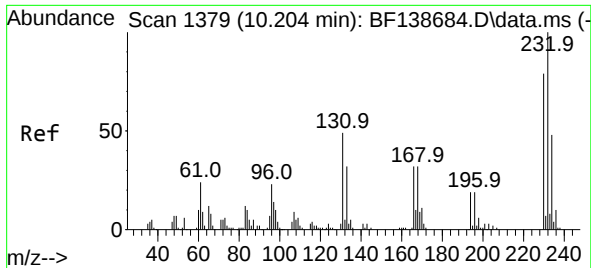
Supervised By :mohammad ahmed 08/13/2024



#58  
Fluorene  
Concen: 41.657 ng  
RT: 10.427 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

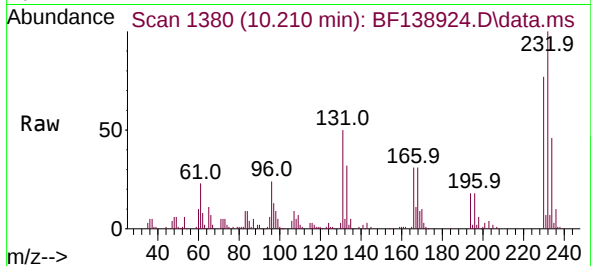
Tgt Ion:166 Resp: 306133  
Ion Ratio Lower Upper  
166 100  
165 98.2 78.4 117.6  
167 13.7 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.407 ng  
RT: 10.210 min Scan# 1380  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

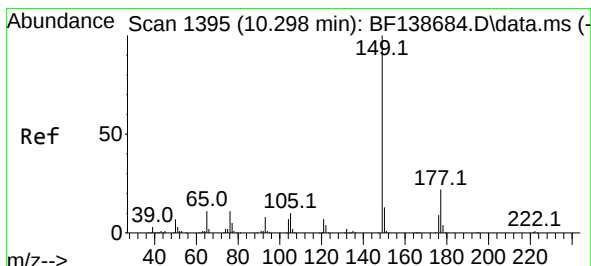
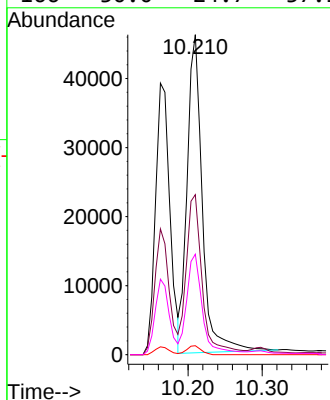
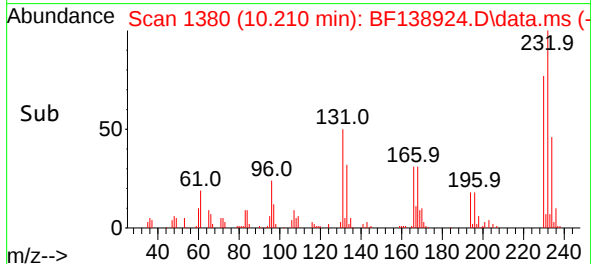
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:232 Resp: 6566  
Ion Ratio Lower Upper  
232 100  
131 51.8 37.0 55.4  
130 2.7 2.0 3.0  
166 30.0 24.7 37.1

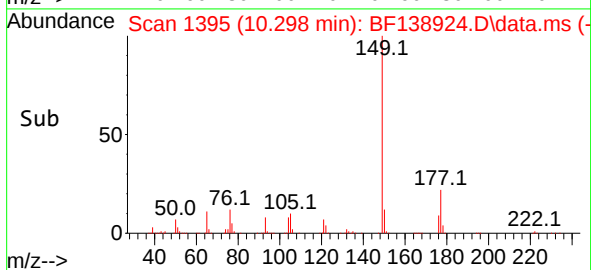
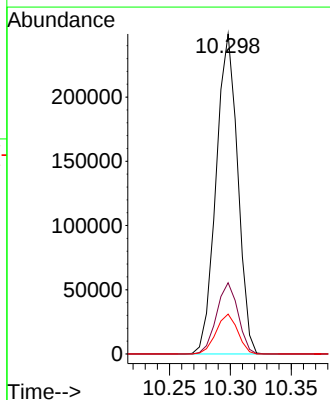
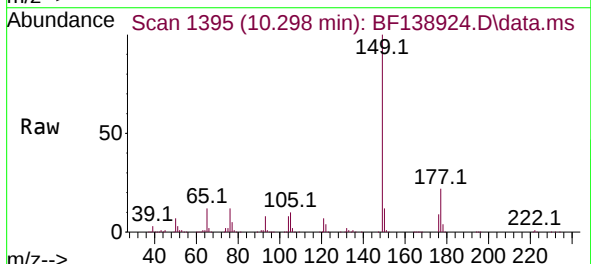
Manual Integrations  
APPROVED

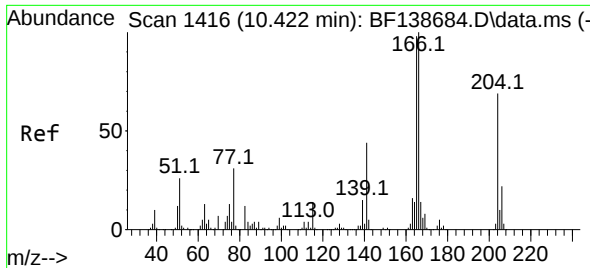
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#60  
Diethylphthalate  
Concen: 43.082 ng  
RT: 10.298 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:149 Resp: 307481  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.8 26.8  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 42.119 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

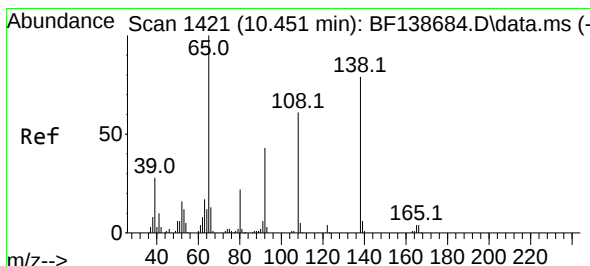
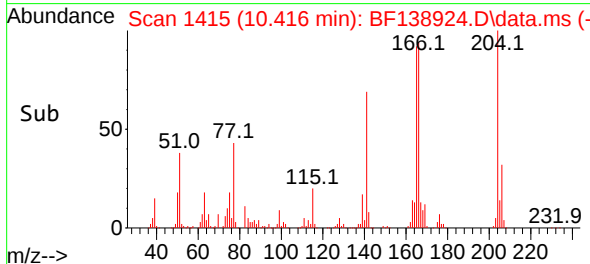
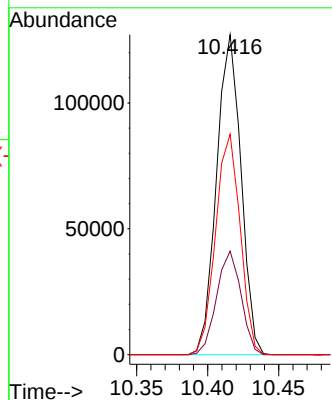
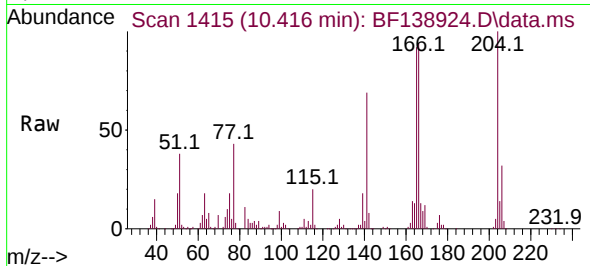
SSTDCCC040

Tgt Ion:204 Resp: 152229  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.1 39.1  
141 68.9 51.4 77.0

Manual Integrations

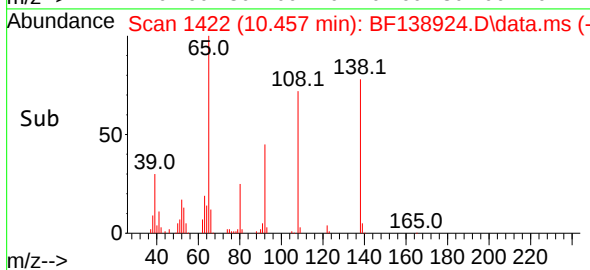
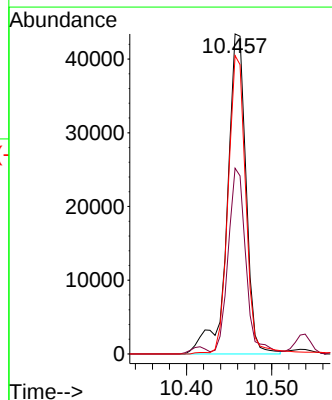
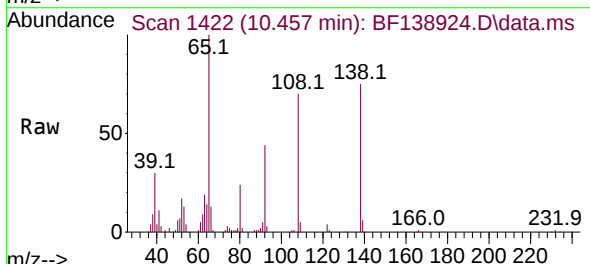
APPROVED

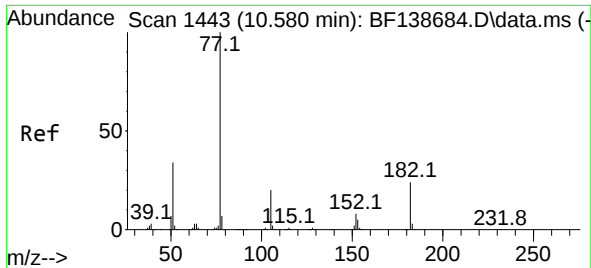
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#62  
4-Nitroaniline  
Concen: 39.849 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

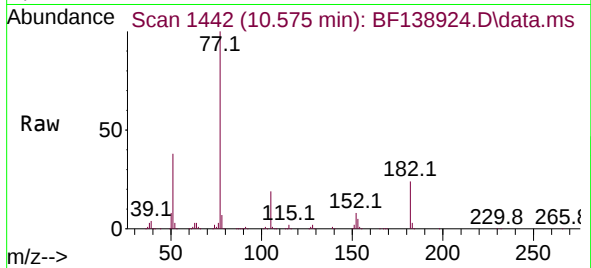
Tgt Ion:138 Resp: 66502  
Ion Ratio Lower Upper  
138 100  
92 58.1 34.2 74.2  
108 93.3 56.2 96.2





#63  
Azobenzene  
Concen: 40.371 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

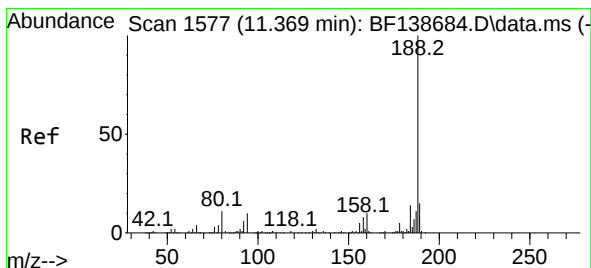
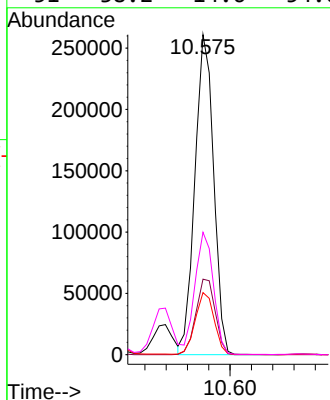
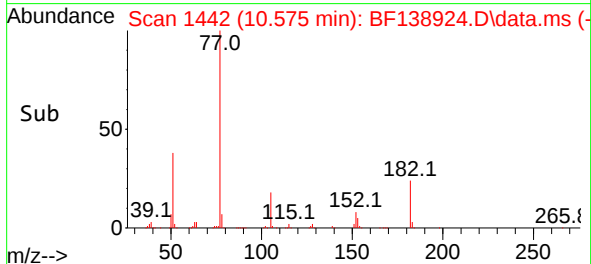
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 77 Resp: 319564  
Ion Ratio Lower Upper  
77 100  
182 23.6 3.4 43.4  
105 19.4 0.2 40.2  
51 38.2 14.6 54.6

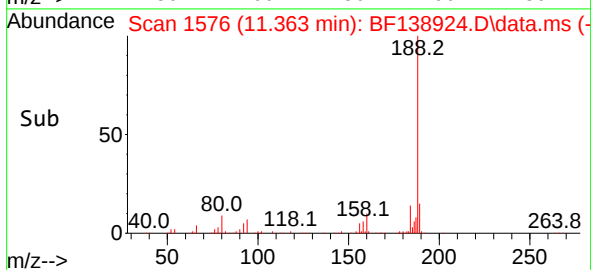
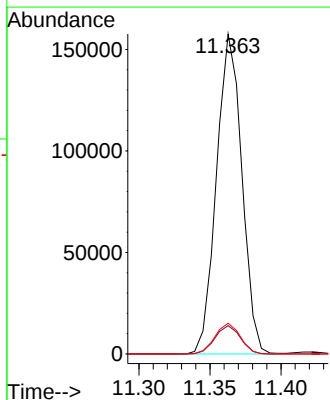
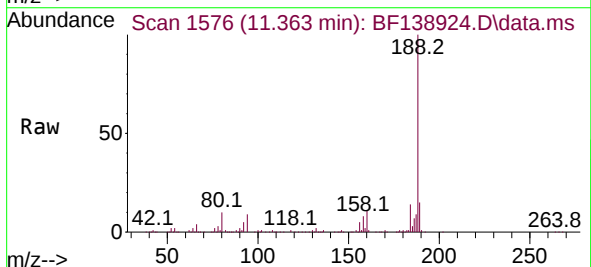
Manual Integrations  
APPROVED

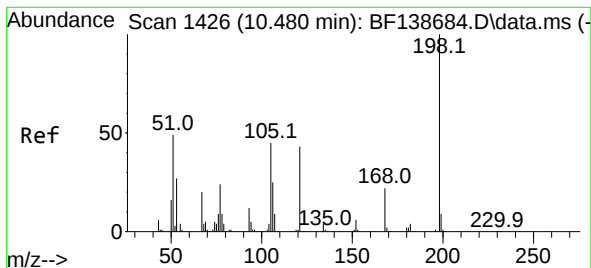
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:188 Resp: 195868  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.6 11.4  
80 9.6 8.6 12.8





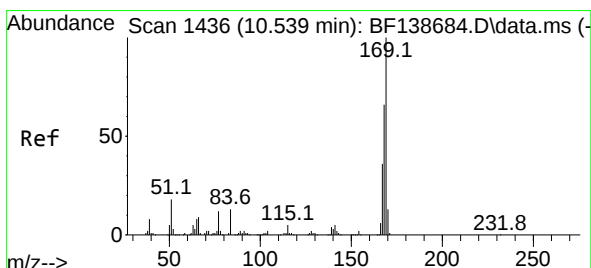
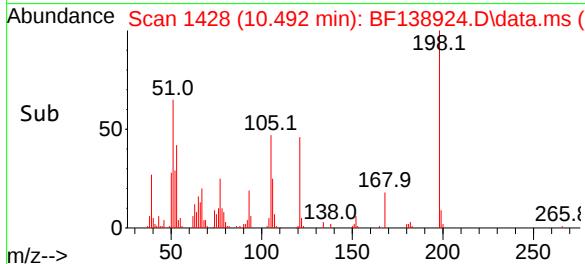
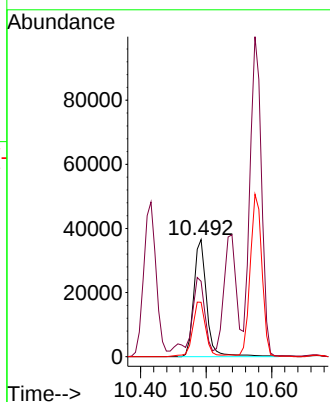
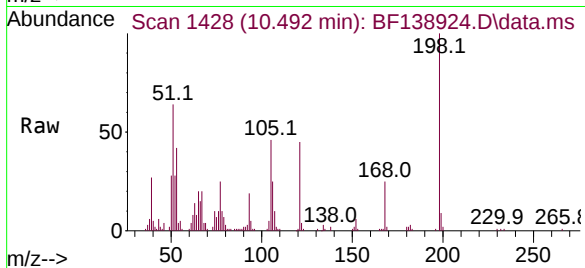
#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.614 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.012 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 4972  
Ion Ratio Lower Upper  
198 100  
51 64.4 39.9 79.9  
105 46.4 26.1 66.1

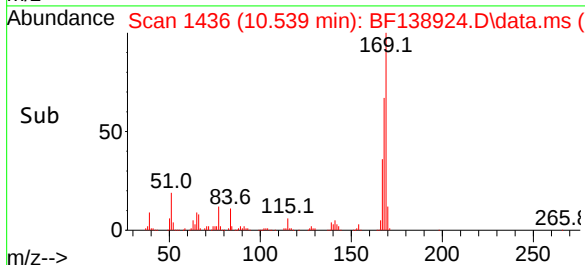
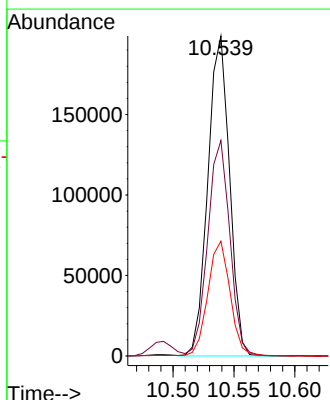
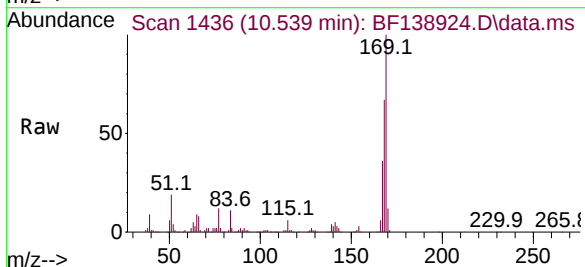
Manual Integrations  
APPROVED

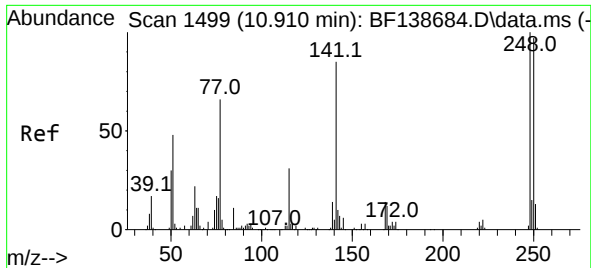
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#66  
n-Nitrosodiphenylamine  
Concen: 40.207 ng  
RT: 10.539 min Scan# 1436  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:169 Resp: 246166  
Ion Ratio Lower Upper  
169 100  
168 67.4 53.0 79.6  
167 35.9 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 41.014 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

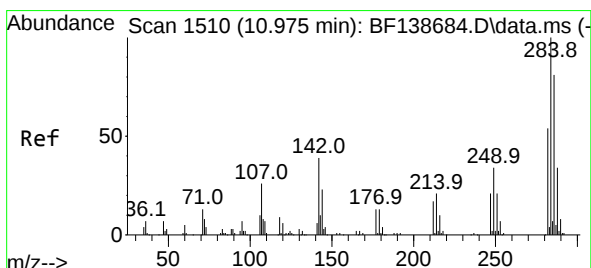
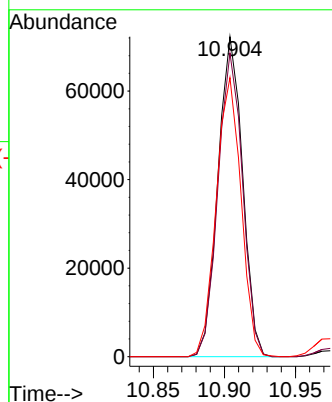
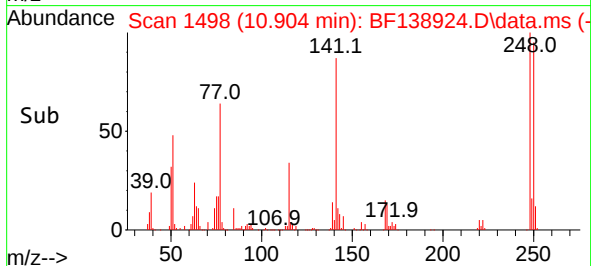
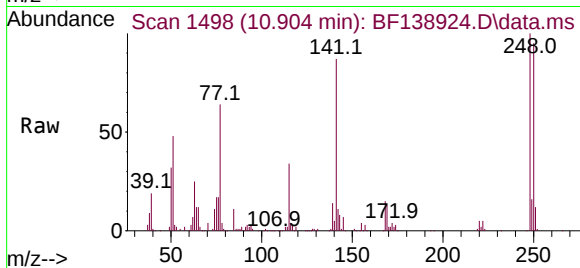
SSTDCCC040

Tgt Ion:248 Resp: 86975  
Ion Ratio Lower Upper  
248 100  
250 94.9 77.7 116.5  
141 87.2 68.0 102.0

Manual Integrations

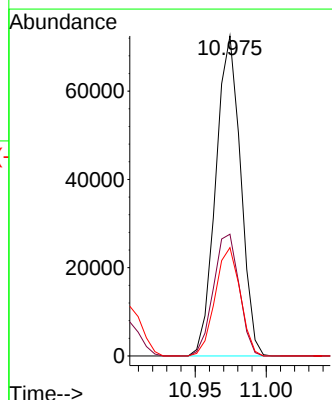
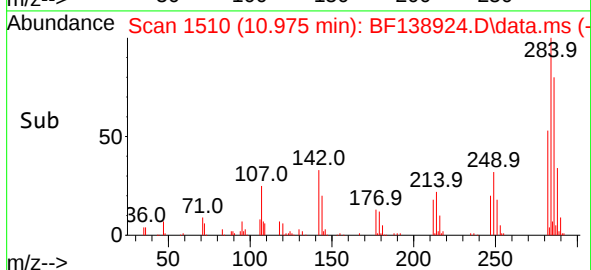
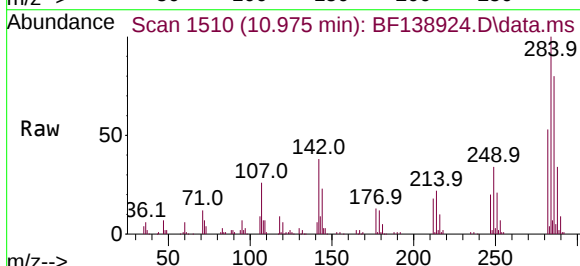
APPROVED

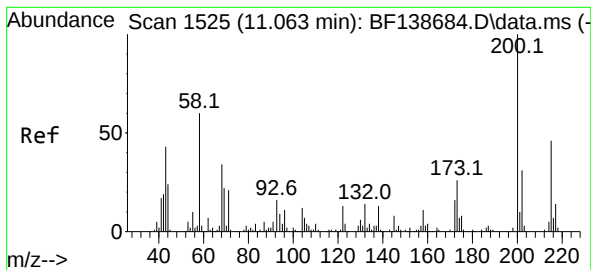
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#68  
Hexachlorobenzene  
Concen: 40.317 ng  
RT: 10.975 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:284 Resp: 88277  
Ion Ratio Lower Upper  
284 100  
142 38.1 31.3 46.9  
249 33.8 27.2 40.8





#69

Atrazine

Concen: 34.920 ng

RT: 11.063 min Scan# 1525

Delta R.T. -0.000 min

Lab File: BF138924.D

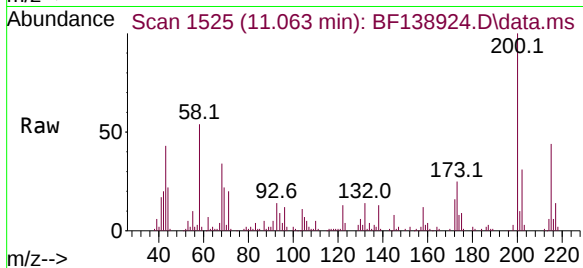
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:200 Resp: 55160

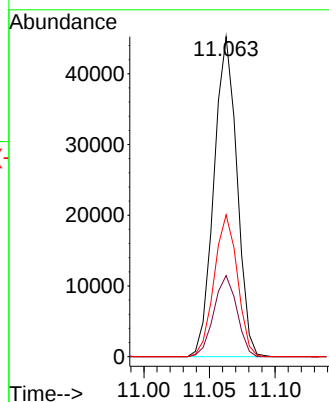
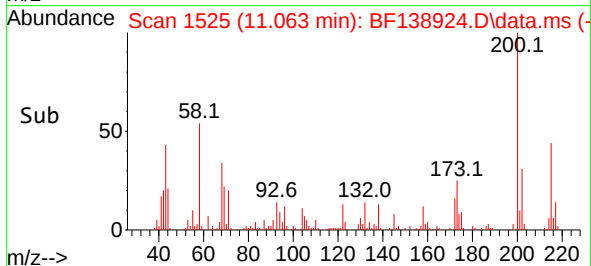
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 25.3  | 6.0   | 46.0  |
| 215 | 44.4  | 26.1  | 66.1  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#70

Pentachlorophenol

Concen: 40.001 ng

RT: 11.174 min Scan# 1544

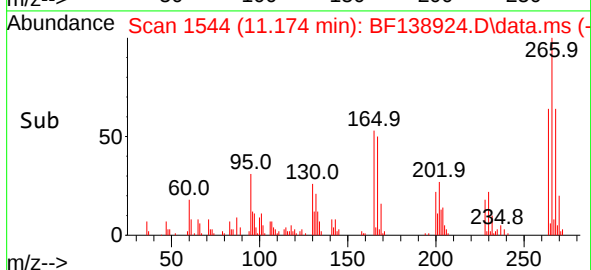
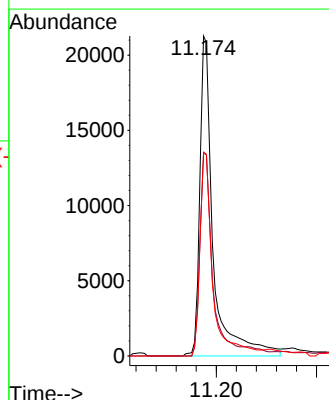
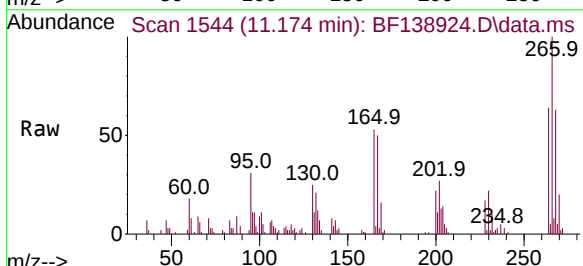
Delta R.T. -0.001 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Tgt Ion:266 Resp: 39478

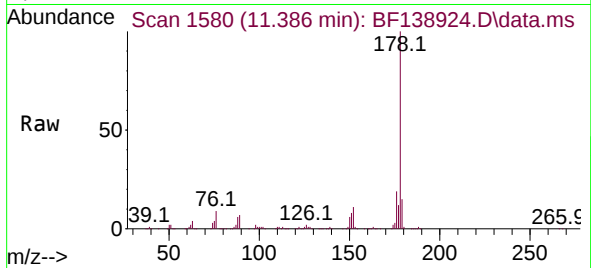
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 63.3  | 49.2  | 73.8  |
| 264 | 63.7  | 49.8  | 74.6  |





#71  
Phenanthrene  
Concen: 40.243 ng  
RT: 11.386 min Scan# 1580  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

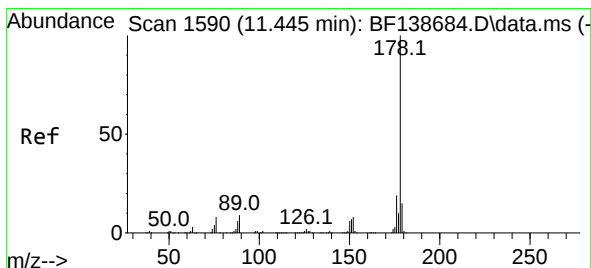
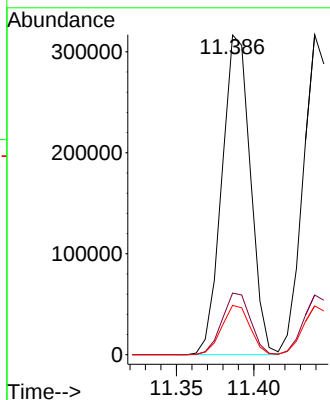
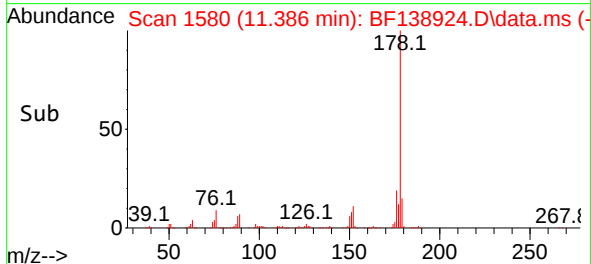
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:178 Resp: 405880  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.4 12.2 18.2

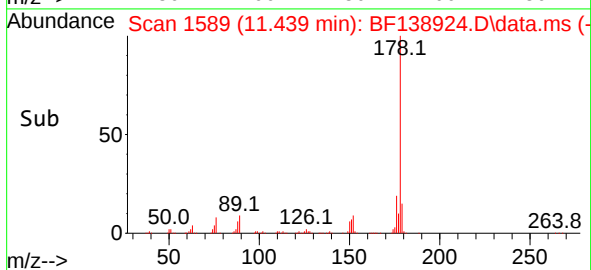
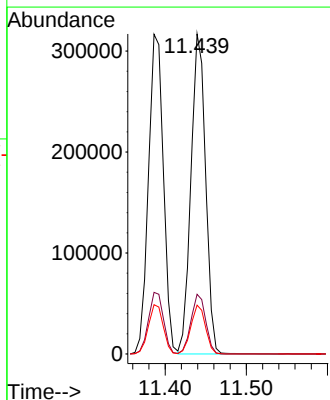
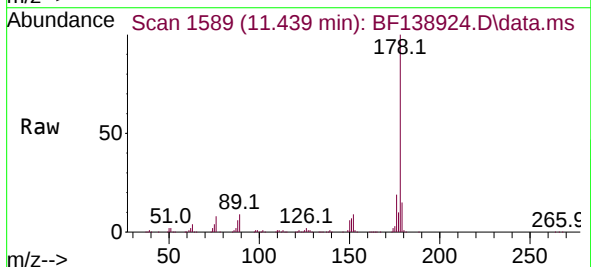
Manual Integrations  
APPROVED

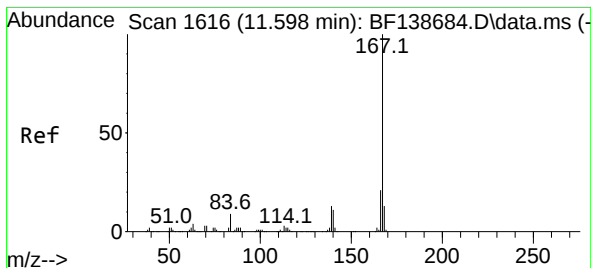
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#72  
Anthracene  
Concen: 40.112 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

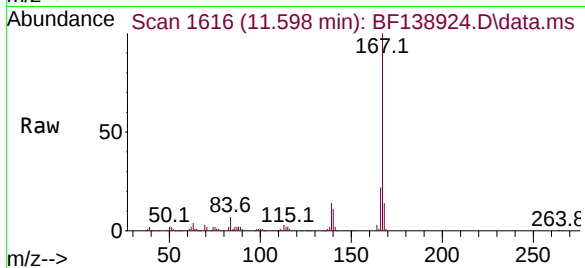
Tgt Ion:178 Resp: 398547  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.9 22.3  
179 15.3 12.4 18.6





#73  
Carbazole  
Concen: 39.811 ng  
RT: 11.598 min Scan# 1616  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

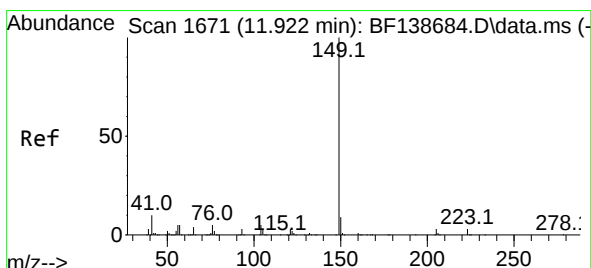
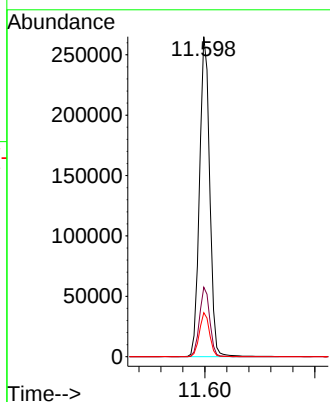
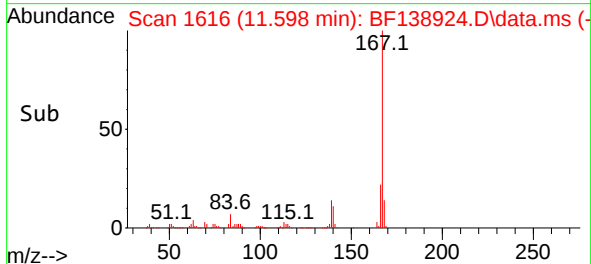
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



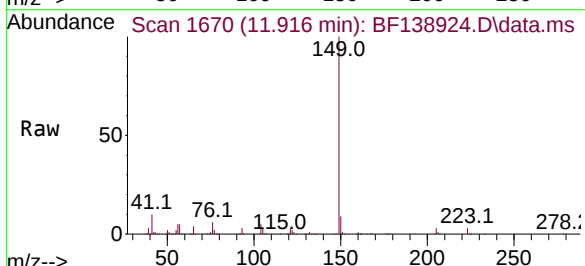
Tgt Ion:167 Resp: 341259  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.2 25.8  
139 13.8 10.6 16.0

Manual Integrations  
APPROVED

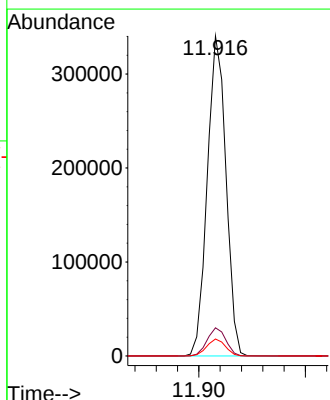
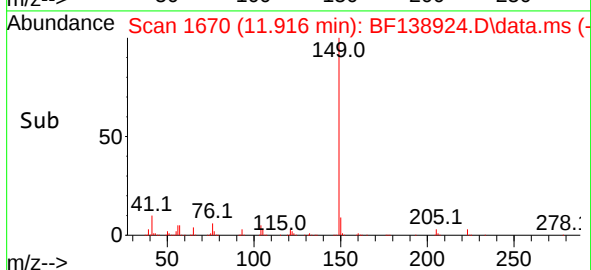
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024

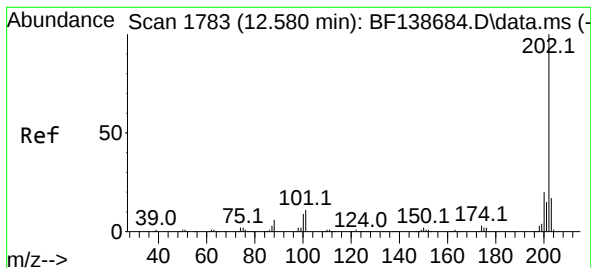


#74  
Di-n-butylphthalate  
Concen: 42.998 ng  
RT: 11.916 min Scan# 1670  
Delta R.T. -0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:149 Resp: 414349  
Ion Ratio Lower Upper  
149 100  
150 8.8 7.4 11.0  
104 5.3 4.1 6.1





#75

Fluoranthene

Concen: 39.378 ng

RT: 12.574 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF138924.D

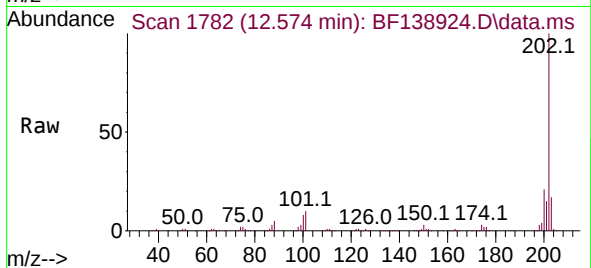
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



Tgt Ion:202 Resp: 370760

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.2

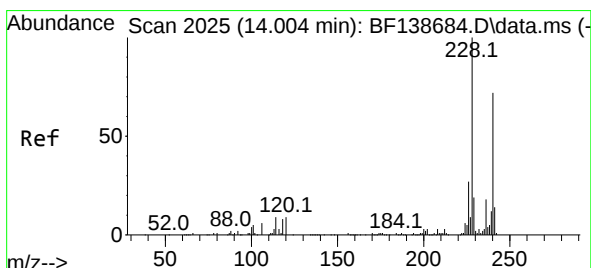
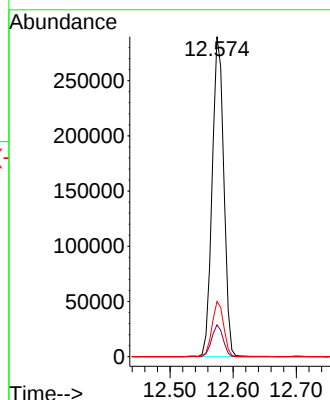
203 17.2 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

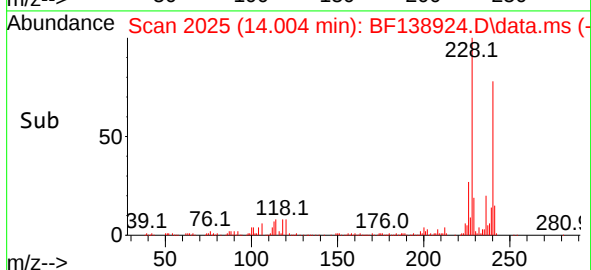
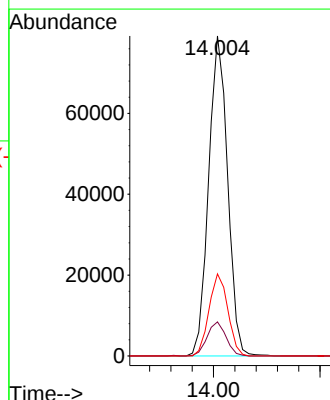
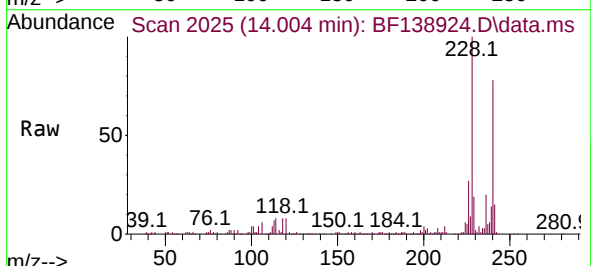
Tgt Ion:240 Resp: 97717

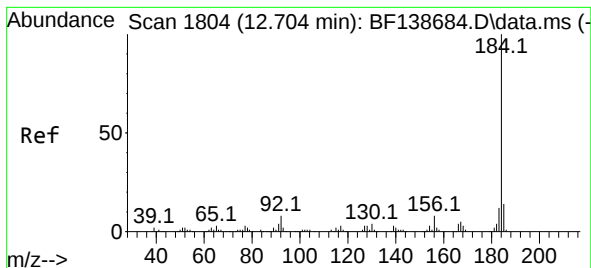
Ion Ratio Lower Upper

240 100

120 10.7 10.2 15.4

236 25.7 19.8 29.8





#77

Benzidine

Concen: 39.059 ng

RT: 12.704 min Scan# 1804

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

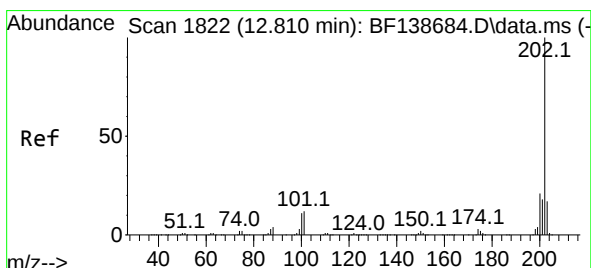
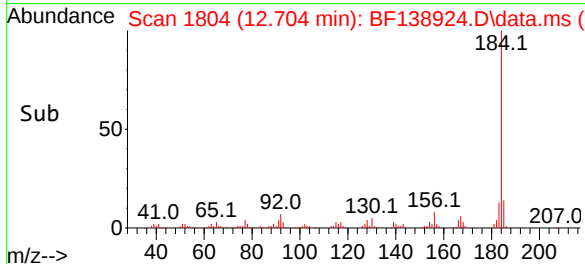
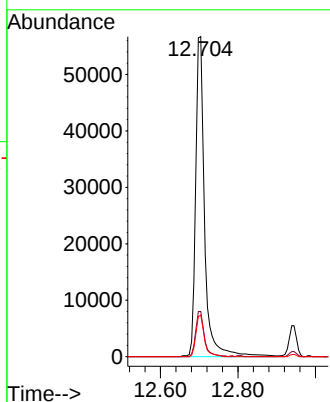
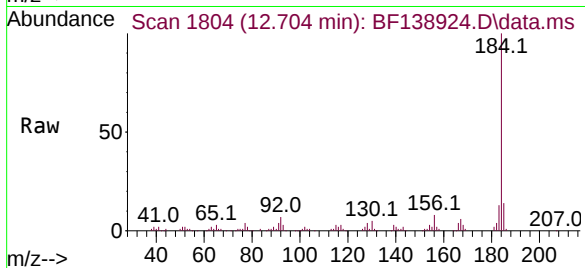
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 91289     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.1  | 11.1 16.7 |
| 183         | 13.0  | 9.6 14.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#78

Pyrene

Concen: 41.182 ng

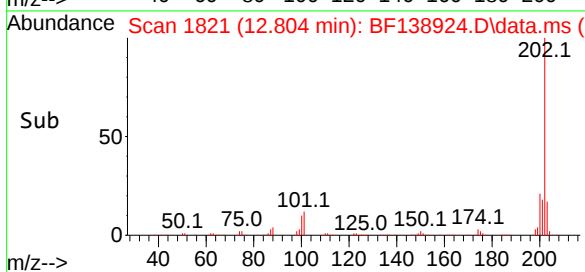
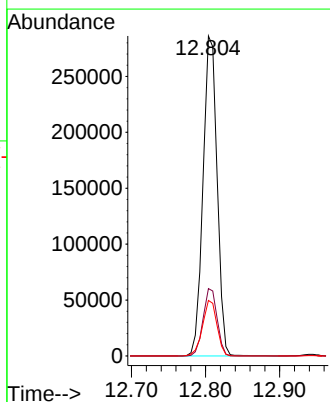
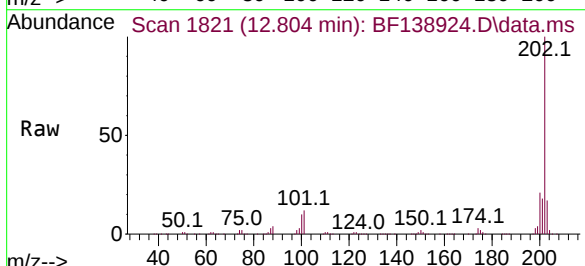
RT: 12.804 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 378891    |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 21.1  | 16.8 25.2 |
| 203         | 17.4  | 13.8 20.6 |





#79

Terphenyl-d14

Concen: 82.007 ng

RT: 12.945 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BF138924.D

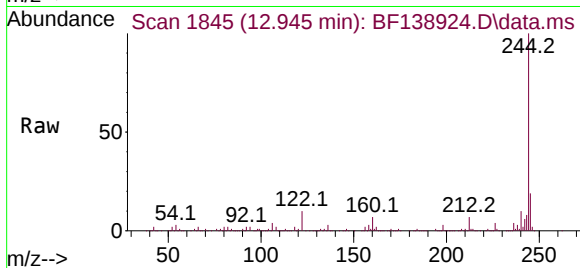
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



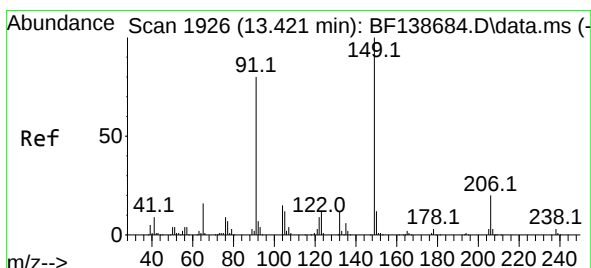
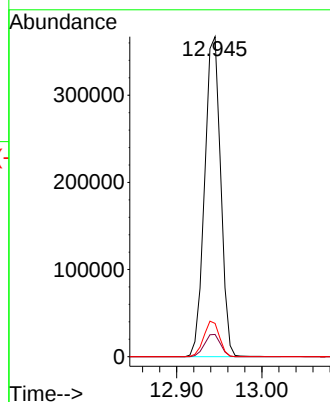
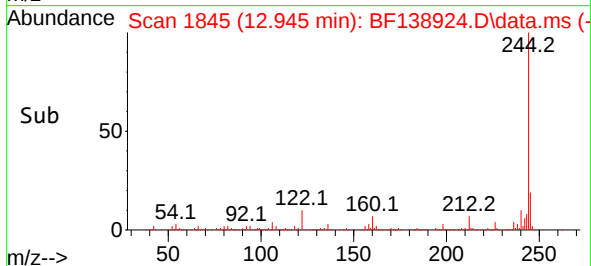
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:244 | Resp: | 47862    |
| Ion Ratio   | Lower | Upper    |
| 244         | 100   |          |
| 212         | 7.0   | 5.4 8.2  |
| 122         | 10.4  | 9.6 14.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#80

Butylbenzylphthalate

Concen: 40.048 ng

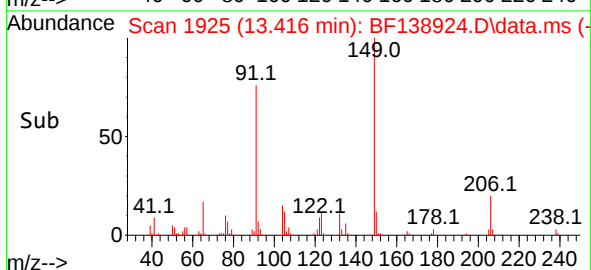
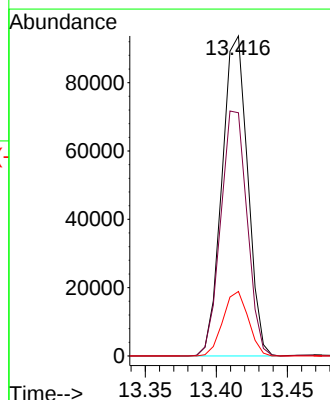
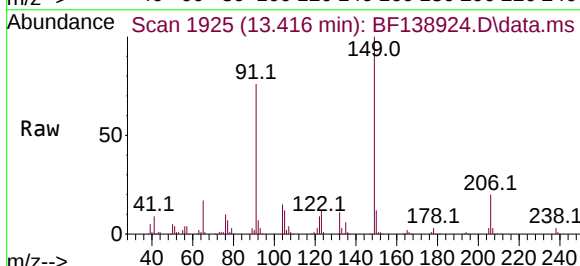
RT: 13.416 min Scan# 1925

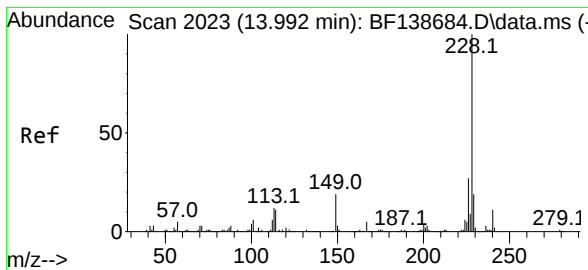
Delta R.T. -0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 117990    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 91          | 76.0  | 63.7 95.5 |
| 206         | 20.1  | 16.2 24.2 |





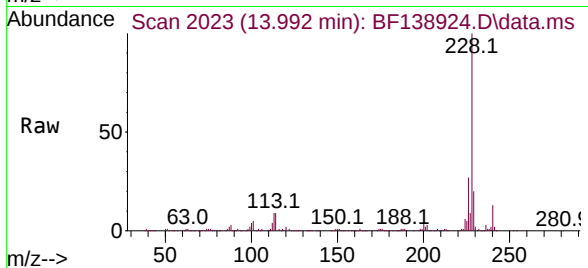
#81  
Benzo(a)anthracene  
Concen: 38.857 ng  
RT: 13.992 min Scan# 2023  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

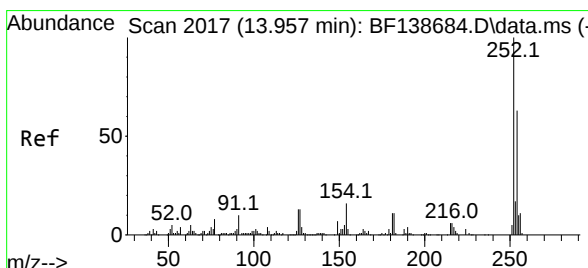
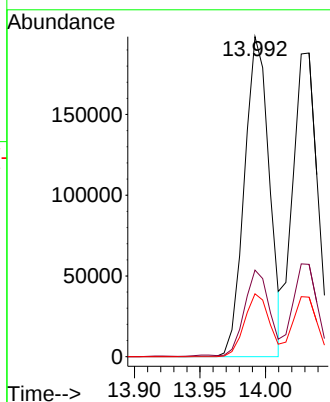
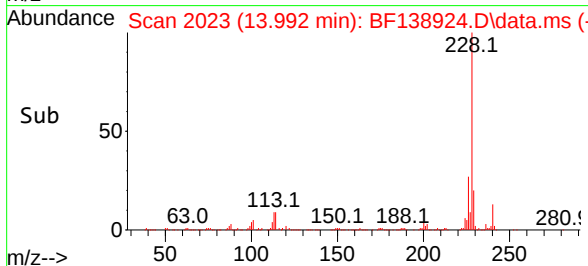


Tgt Ion:228 Resp: 261470  
Ion Ratio Lower Upper  
228 100  
226 27.0 22.1 33.1  
229 19.7 15.4 23.0

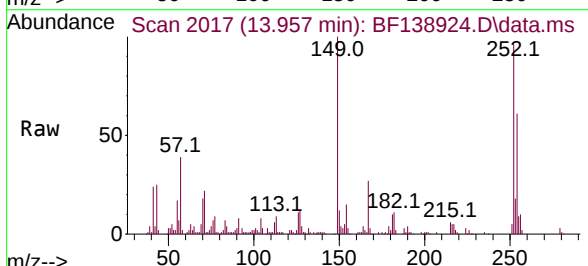
Manual Integrations

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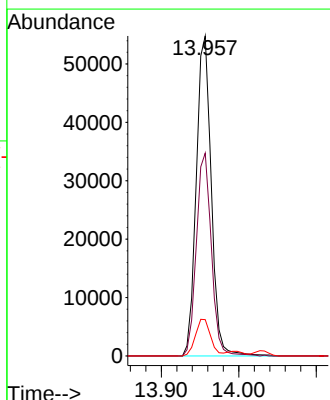
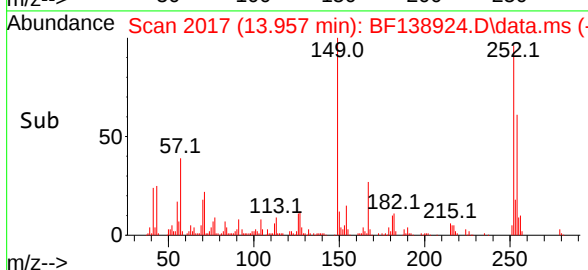
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024

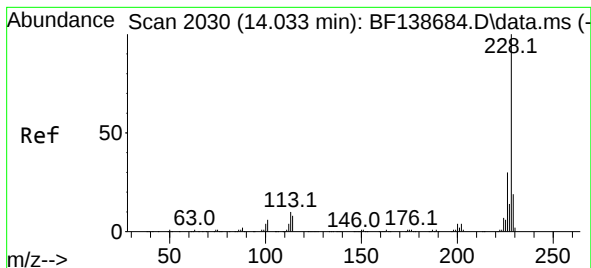


#82  
3,3'-Dichlorobenzidine  
Concen: 42.776 ng  
RT: 13.957 min Scan# 2017  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08



Tgt Ion:252 Resp: 73660  
Ion Ratio Lower Upper  
252 100  
254 63.4 50.8 76.2  
126 11.3 10.2 15.2





#83

Chrysene

Concen: 40.844 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

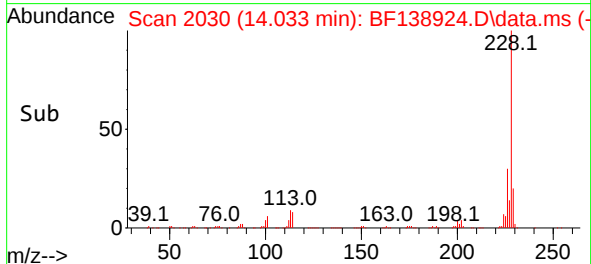
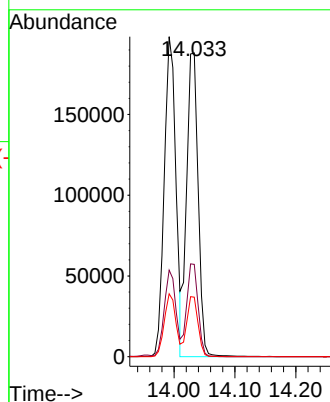
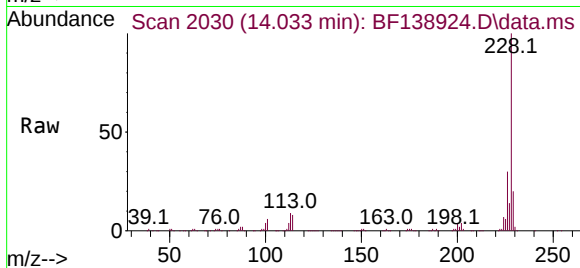
Tgt Ion:228 Resp: 247958  
 Ion Ratio Lower Upper  
 228 100  
 226 30.4 23.7 35.5  
 229 19.6 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.277 ng

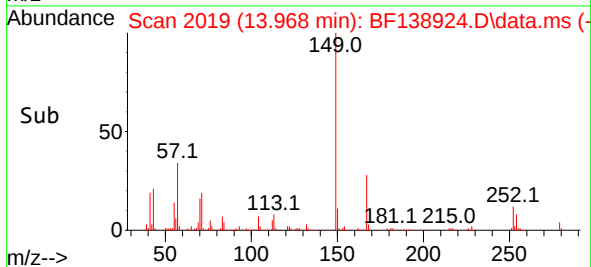
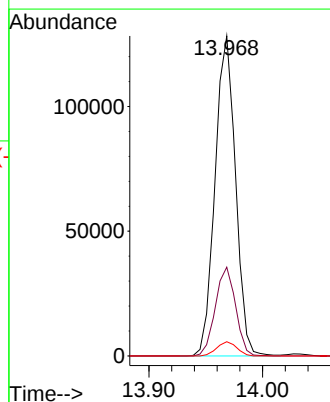
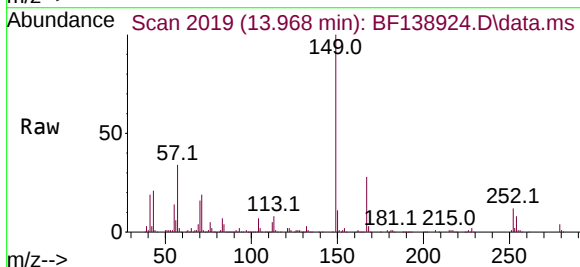
RT: 13.968 min Scan# 2019

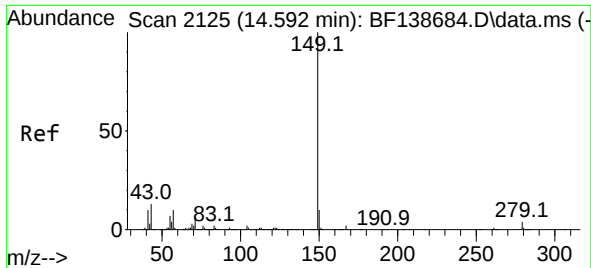
Delta R.T. -0.012 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Tgt Ion:149 Resp: 160820  
 Ion Ratio Lower Upper  
 149 100  
 167 27.8 22.2 33.4  
 279 4.4 3.4 5.0





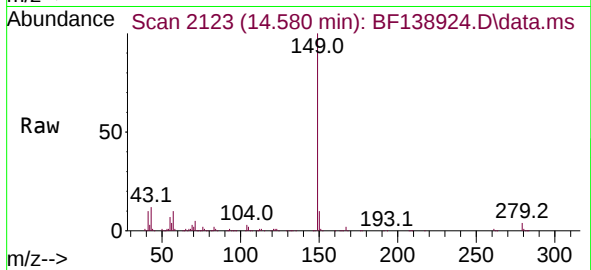
#85  
Di-n-octyl phthalate  
Concen: 38.348 ng  
RT: 14.580 min Scan# 2125  
Delta R.T. -0.012 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



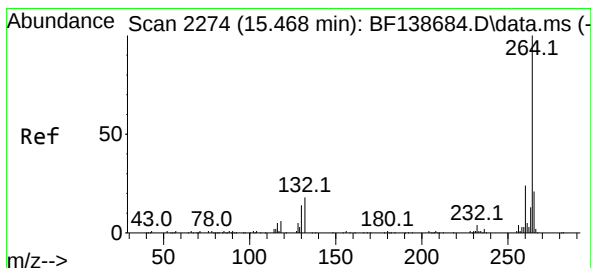
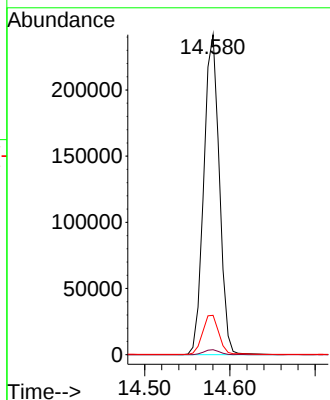
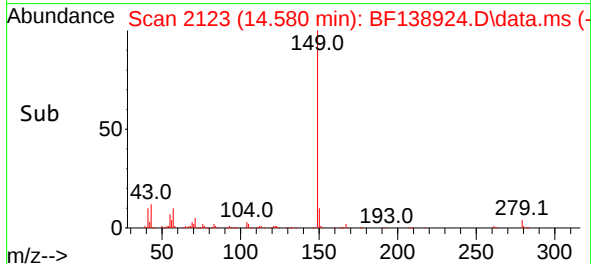
Tgt Ion:149 Resp: 306095  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.0  
43 12.9 10.4 15.6

Manual Integrations

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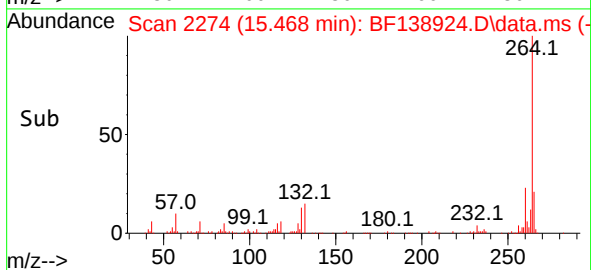
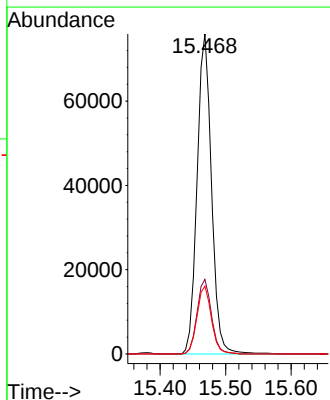
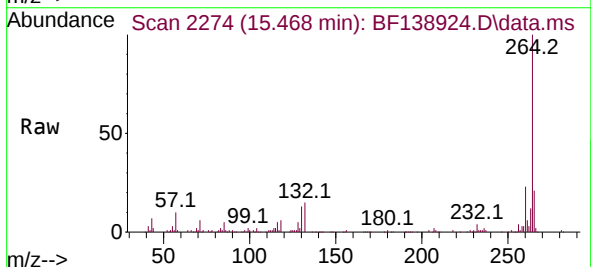
Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 2274  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:264 Resp: 116194  
Ion Ratio Lower Upper  
264 100  
260 23.3 19.0 28.6  
265 21.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.095 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 308889

Ion Ratio Lower Upper

276 100

138 23.6 21.8 32.8

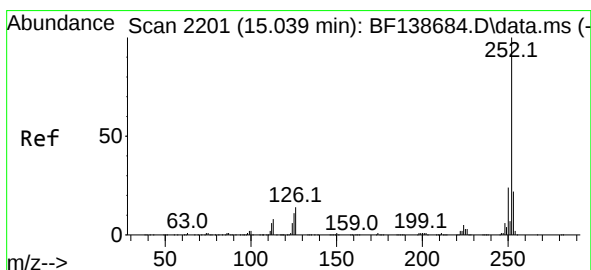
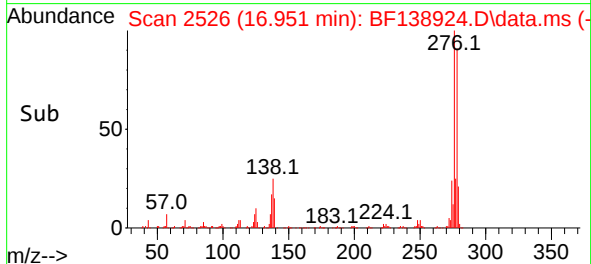
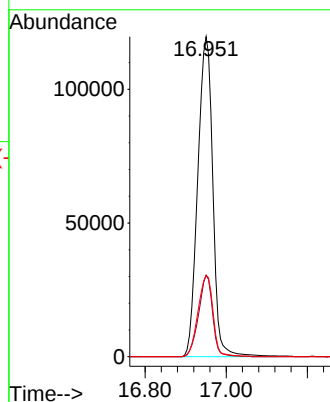
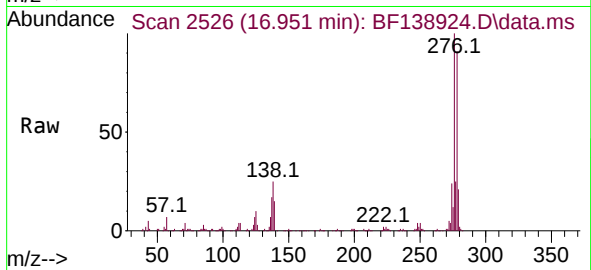
277 25.4 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024

Supervised By :mohammad ahmed 08/13/2024



#88

Benzo(b)fluoranthene

Concen: 39.235 ng m

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF138924.D

Acq: 12 Aug 2024 10:08

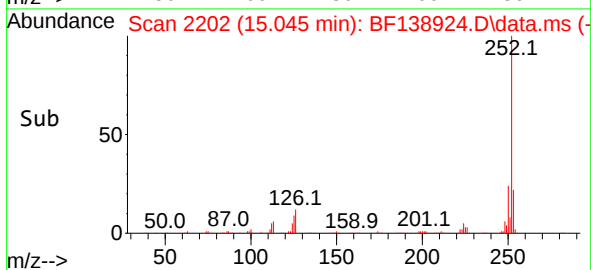
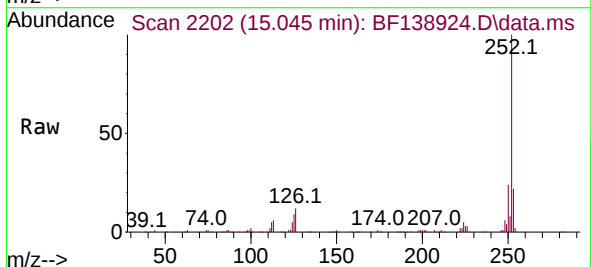
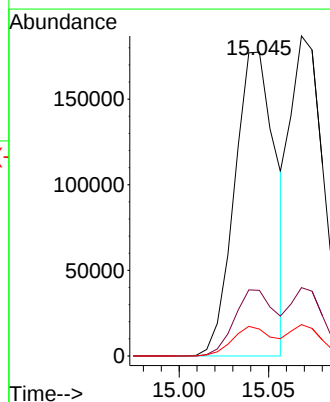
Tgt Ion:252 Resp: 282606

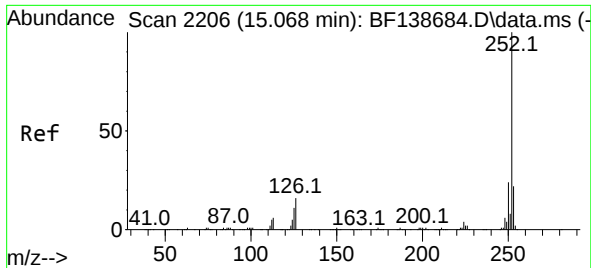
Ion Ratio Lower Upper

252 100

253 21.6 17.5 26.3

125 8.8 8.9 13.3#





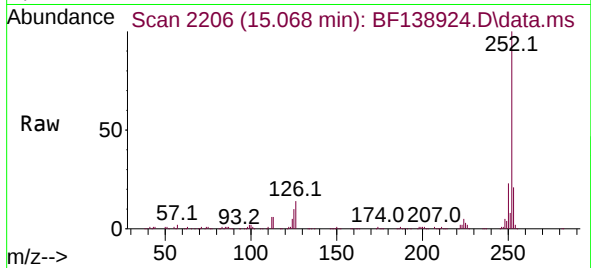
#89  
Benzo(k)fluoranthene  
Concen: 39.022 ng  
RT: 15.068 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

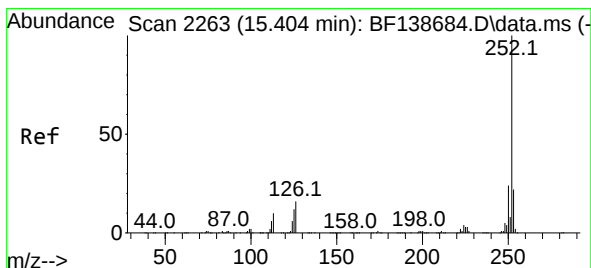
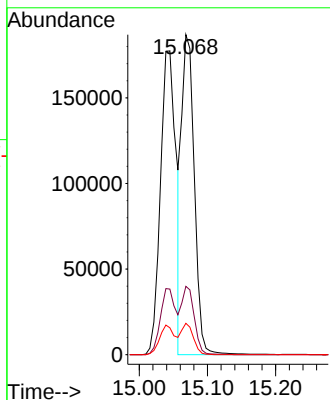
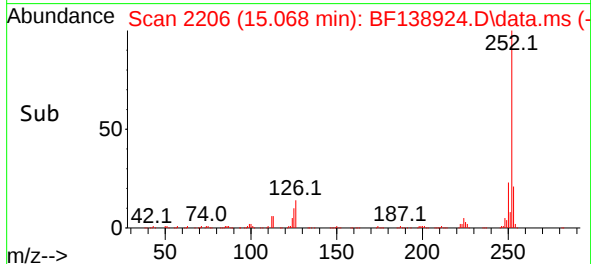


Tgt Ion:252 Resp: 24335  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.0  
125 9.8 8.6 13.0

Manual Integrations

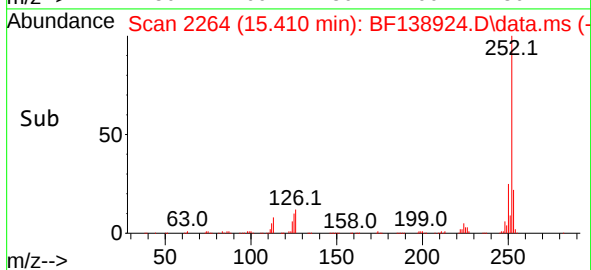
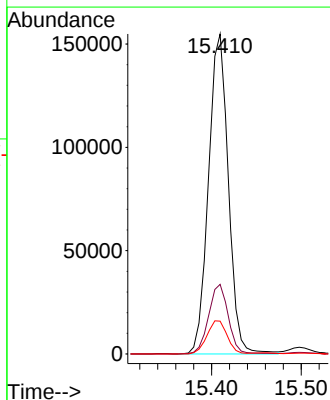
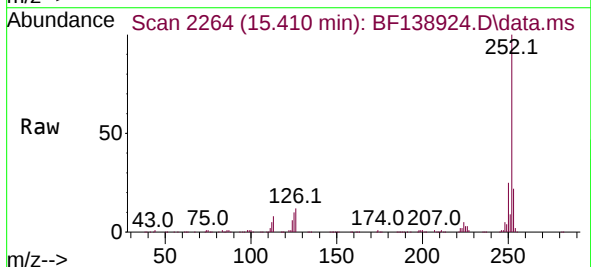
APPROVED

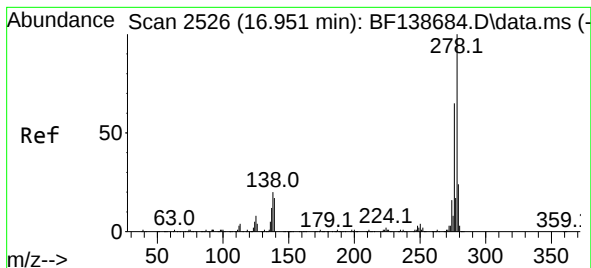
Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#90  
Benzo(a)pyrene  
Concen: 39.262 ng  
RT: 15.410 min Scan# 2264  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:252 Resp: 237878  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.3 25.9  
125 10.2 9.5 14.3





#91  
Dibenzo(a,h)anthracene  
Concen: 36.395 ng  
RT: 16.956 min Scan# 2526  
Delta R.T. 0.006 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Instrument :

BNA\_F

ClientSampleId :

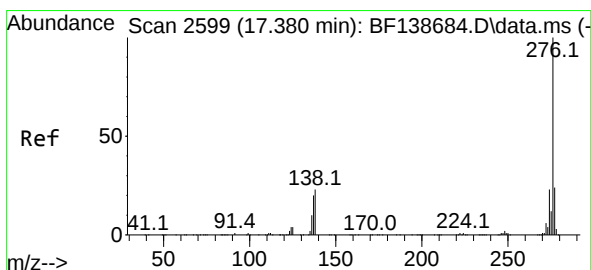
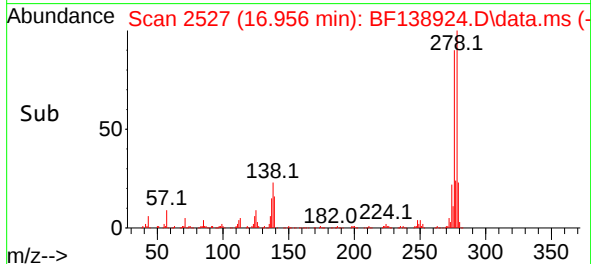
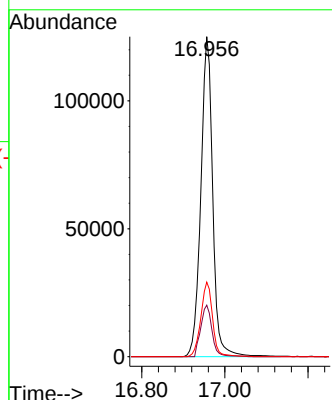
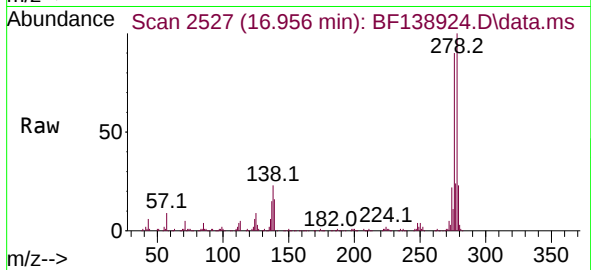
SSTDCCC040

Tgt Ion:278 Resp: 24877  
Ion Ratio Lower Upper  
278 100  
139 16.1 14.0 21.0  
279 23.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/13/2024  
Supervised By :mohammad ahmed 08/13/2024



#92  
Benzo(g,h,i)perylene  
Concen: 35.833 ng  
RT: 17.392 min Scan# 2601  
Delta R.T. 0.012 min  
Lab File: BF138924.D  
Acq: 12 Aug 2024 10:08

Tgt Ion:276 Resp: 254165  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.0 28.4  
138 20.3 18.5 27.7

