

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121323\  
 Data File : BF136540.D  
 Acq On : 13 Dec 2023 16:30  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 01:33:42 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 130944   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 520238   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 262931   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 477188   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 255601   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 263722   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 637759   | 71.928 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 805996   | 72.859 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 730713   | 75.932 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 243475   | 75.101 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1486233  | 77.129 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 1476667  | 76.147 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.557  | 88   | 128799   | 36.726 | ng    | 96       |
| 3) Pyridine                   | 3.322  | 79   | 342558   | 40.334 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 135525   | 36.730 | ng    | 99       |
| 6) Aniline                    | 6.469  | 93   | 493197   | 44.115 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.587  | 128  | 362667   | 37.467 | ng    | 98       |
| 9) Benzaldehyde               | 6.351  | 77   | 217719   | 38.636 | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 430304   | 36.555 | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 330183   | 37.631 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 374139   | 34.370 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 376292   | 34.076 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 357272   | 34.406 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 284189   | 38.364 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 392473   | 34.778 | ng    | 94       |
| 17) 2-Methylphenol            | 7.057  | 107  | 305223   | 39.030 | ng    | 96       |
| 18) Hexachloroethane          | 7.304  | 117  | 135915   | 35.254 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 233223   | 36.547 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 369924   | 38.110 | ng    | 96       |
| 22) Acetophenone              | 7.210  | 105  | 481023   | 37.443 | ng    | # 98     |
| 24) Nitrobenzene              | 7.381  | 77   | 352859   | 36.449 | ng    | 99       |
| 25) Isophorone                | 7.622  | 82   | 649113   | 37.544 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 190945   | 40.121 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.739  | 122  | 288938   | 49.236 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 406836   | 38.294 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 296811   | 38.318 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 327636   | 36.274 | ng    | 96       |
| 31) Naphthalene               | 8.098  | 128  | 1057072  | 36.846 | ng    | 99       |
| 32) Benzoic acid              | 7.869  | 122  | 229656m  | 39.449 | ng    |          |
| 33) 4-Chloroaniline           | 8.151  | 127  | 427153   | 41.764 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.210  | 225  | 196074   | 36.629 | ng    | 99       |
| 35) Caprolactam               | 8.534  | 113  | 89672    | 37.592 | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 310433   | 37.745 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 711611   | 38.989 | ng    | 93       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 659622   | 36.830 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 331838   | 40.566 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 141104   | 46.561 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 207415   | 38.942 | ng    | 100      |

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 Acq On : 13 Dec 2023 16:30  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

SSTDCCC040

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 01:33:42 2023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

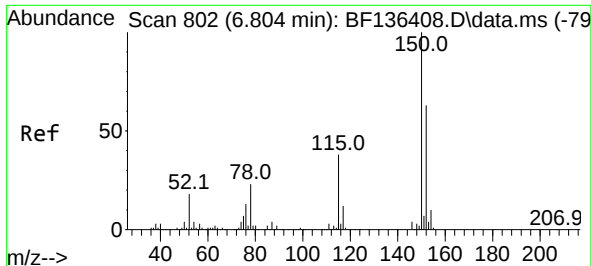
QLast Update : Wed Dec 06 09:40:27 2023

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 244325   | 41.100 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 869567   | 38.867 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.281  | 162  | 637390   | 36.604 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.381  | 65   | 181738   | 38.914 | ng    | 91       |
| 49) Acenaphthylene            | 9.698  | 152  | 985014   | 39.709 | ng    | 99       |
| 50) Dimethylphthalate         | 9.563  | 163  | 771257   | 39.842 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 168261   | 38.636 | ng    | 89       |
| 52) Acenaphthene              | 9.869  | 154  | 602717   | 37.917 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 176532   | 39.695 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 83539    | 37.940 | ng    | # 88     |
| 55) Dibenzofuran              | 10.039 | 168  | 906564   | 39.040 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 121995   | 36.593 | ng    | 88       |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 217726   | 37.792 | ng    | 93       |
| 58) Fluorene                  | 10.386 | 166  | 703107   | 37.719 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 183024   | 38.436 | ng    | 100      |
| 60) Diethylphthalate          | 10.263 | 149  | 737415   | 38.740 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.375 | 204  | 357451   | 39.336 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 172955   | 39.167 | ng    | 95       |
| 63) Azobenzene                | 10.539 | 77   | 652821   | 37.679 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 122918   | 41.593 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 625198   | 40.831 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 225730   | 40.686 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.933 | 284  | 237024   | 36.964 | ng    | 94       |
| 69) Atrazine                  | 11.027 | 200  | 163212   | 37.346 | ng    | 97       |
| 70) Pentachlorophenol         | 11.127 | 266  | 129913   | 35.897 | ng    | 98       |
| 71) Phenanthrene              | 11.351 | 178  | 1023289  | 39.015 | ng    | 99       |
| 72) Anthracene                | 11.404 | 178  | 1053057  | 39.862 | ng    | 99       |
| 73) Carbazole                 | 11.557 | 167  | 859416   | 36.756 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1116601  | 38.955 | ng    | 99       |
| 75) Fluoranthene              | 12.545 | 202  | 970223   | 35.299 | ng    | 98       |
| 77) Benzidine                 | 12.669 | 184  | 149951   | 30.509 | ng    | 97       |
| 78) Pyrene                    | 12.774 | 202  | 950086   | 37.954 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 362259   | 40.652 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 690036   | 38.757 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 232102   | 46.495 | ng    | 99       |
| 83) Chrysene                  | 14.004 | 228  | 668966   | 38.190 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 476633   | 43.631 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 762822   | 47.274 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 777097   | 42.415 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 637912   | 35.378 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 588077   | 34.607 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 600788   | 40.345 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.986 | 278  | 651862   | 43.430 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 651790   | 42.308 | ng    | 99       |

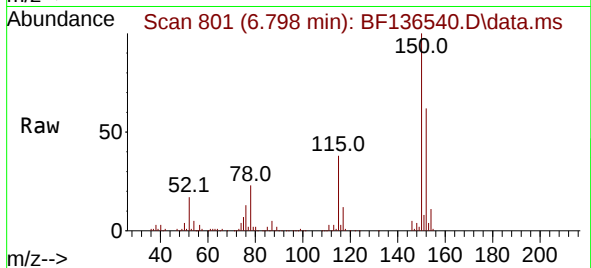
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

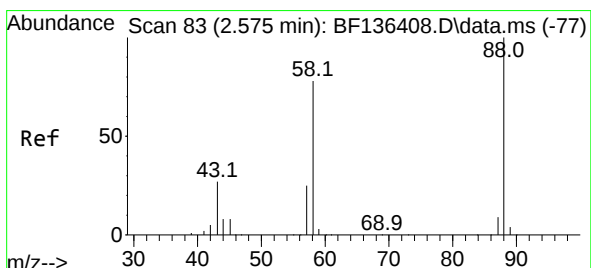
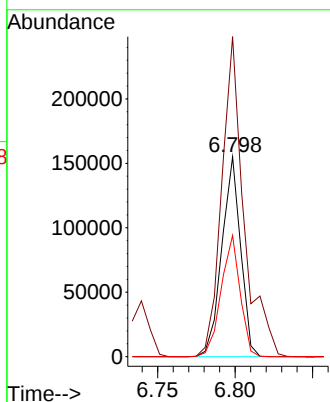
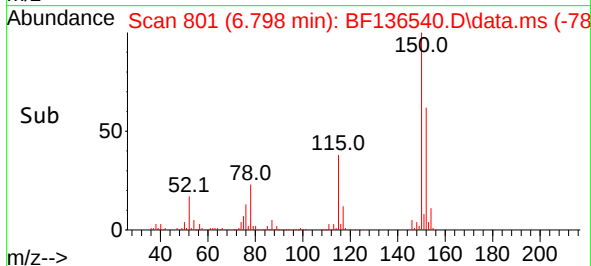
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:152 Resp: 130944  
Ion Ratio Lower Upper  
152 100  
150 160.1 126.4 189.6  
115 60.7 48.2 72.4

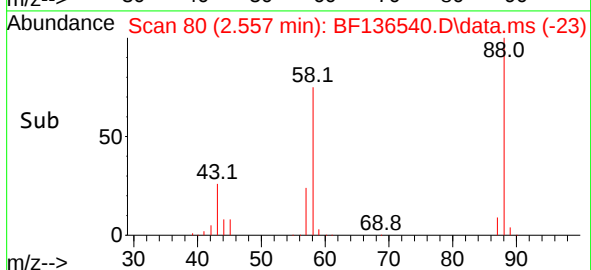
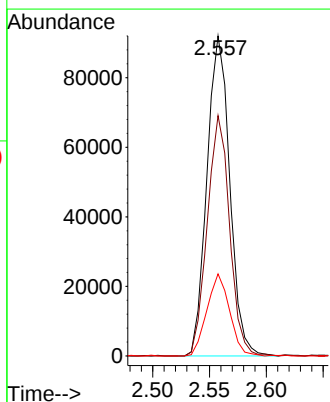
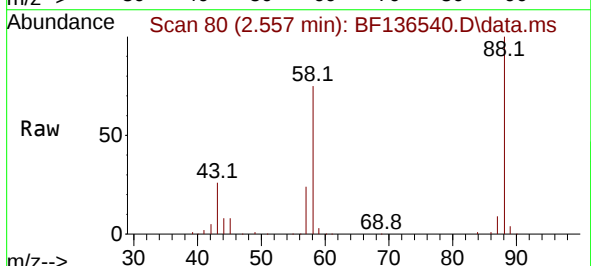
Manual Integrations  
APPROVED

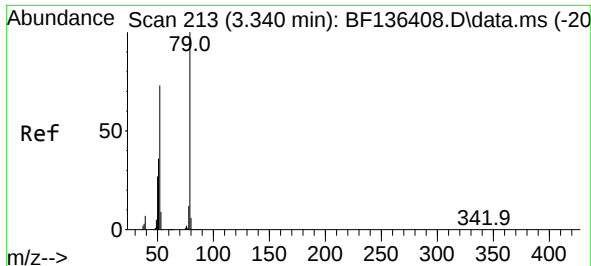
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#2  
1,4-Dioxane  
Concen: 36.726 ng  
RT: 2.557 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

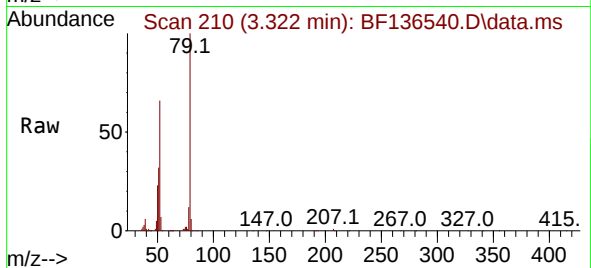
Tgt Ion: 88 Resp: 128799  
Ion Ratio Lower Upper  
88 100  
58 73.3 62.2 93.2  
43 25.4 21.5 32.3





#3  
Pyridine  
Concen: 40.334 ng  
RT: 3.322 min Scan# 213  
Delta R.T. -0.018 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

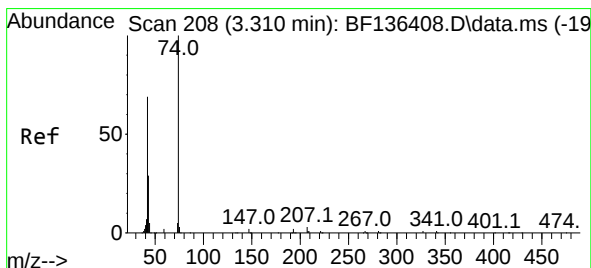
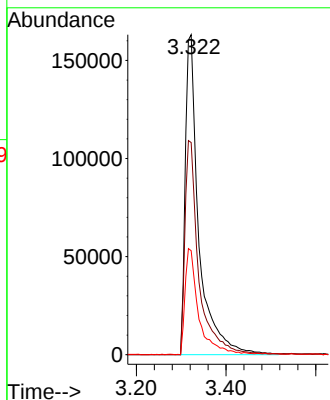
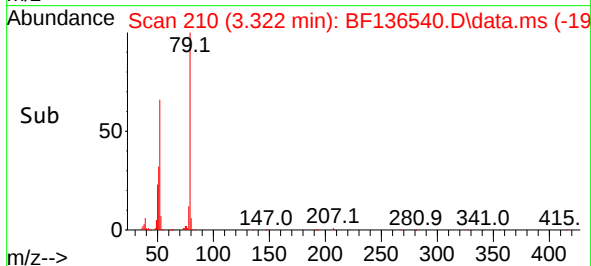
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



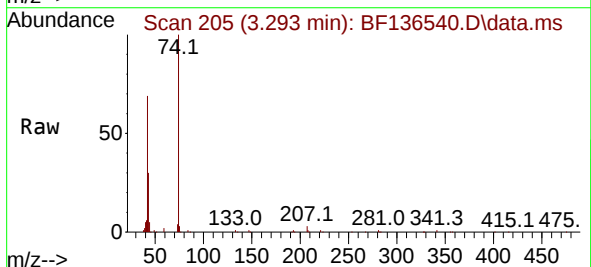
Tgt Ion: 79 Resp: 342558  
Ion Ratio Lower Upper  
79 100  
52 66.3 58.2 87.2  
51 32.5 29.1 43.7

Manual Integrations  
APPROVED

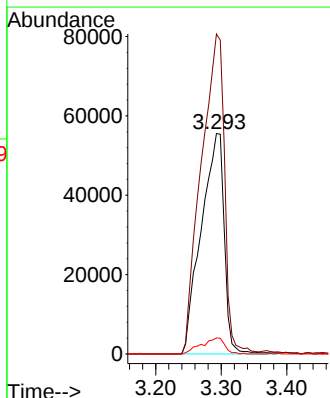
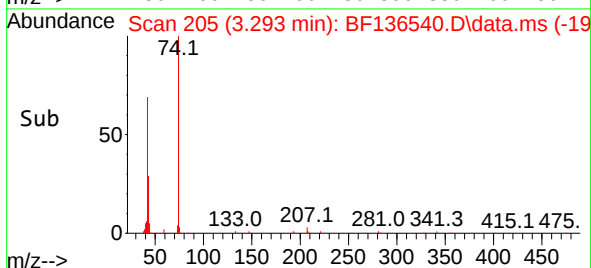
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

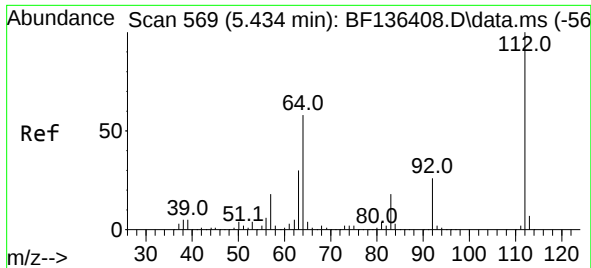


#4  
n-Nitrosodimethylamine  
Concen: 36.730 ng  
RT: 3.293 min Scan# 205  
Delta R.T. -0.018 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion: 42 Resp: 135525  
Ion Ratio Lower Upper  
42 100  
74 145.2 115.4 173.0  
44 7.2 6.2 9.2





#5  
2-Fluorophenol  
Concen: 71.928 ng  
RT: 5.434 min Scan# 569  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

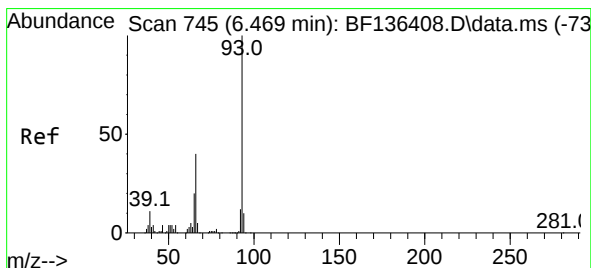
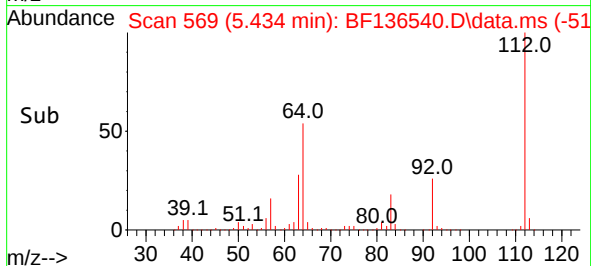
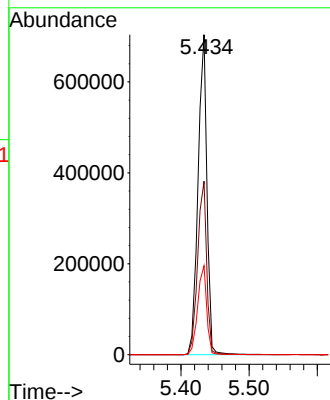
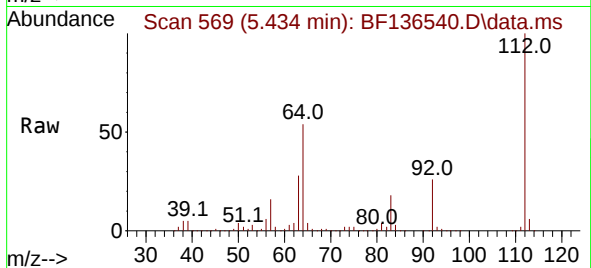
SSTDCCC040

Tgt Ion:112 Resp: 637759  
Ion Ratio Lower Upper  
112 100  
64 54.2 46.5 69.7  
63 27.8 23.9 35.9

Manual Integrations

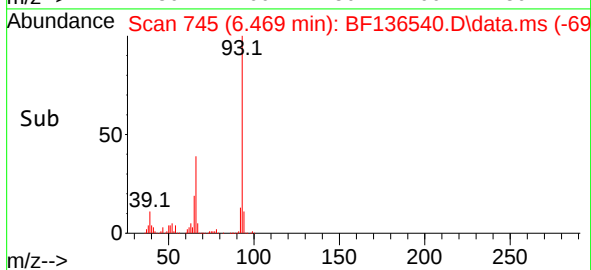
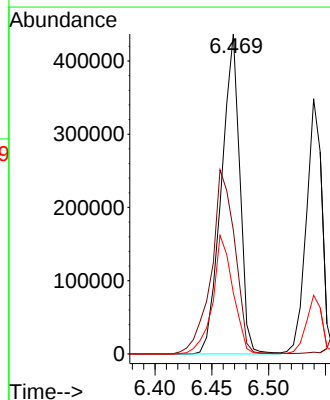
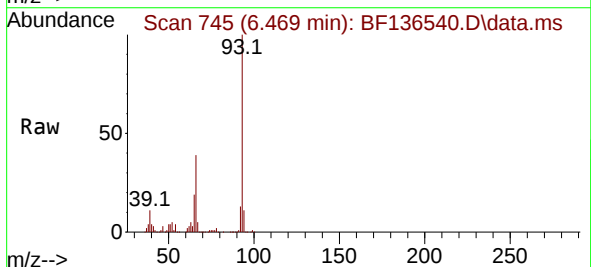
APPROVED

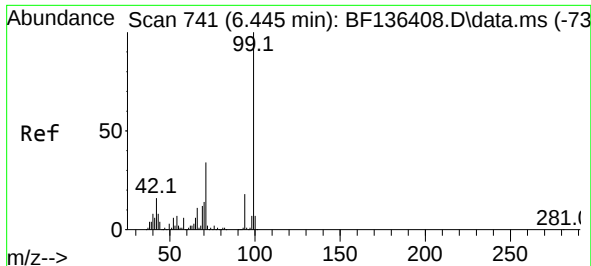
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#6  
Aniline  
Concen: 44.115 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

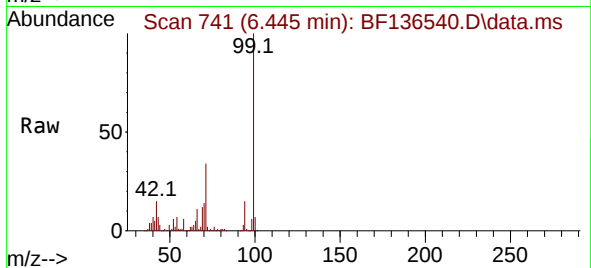
Tgt Ion: 93 Resp: 493197  
Ion Ratio Lower Upper  
93 100  
66 38.7 32.5 48.7  
65 19.2 16.4 24.6





#7  
Phenol-d6  
Concen: 72.859 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

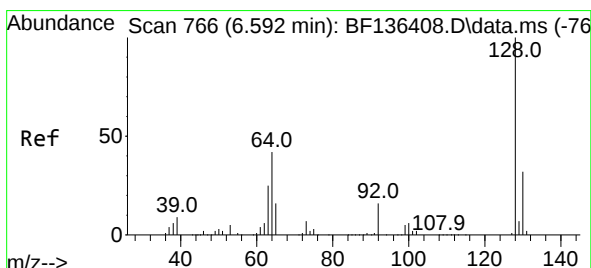
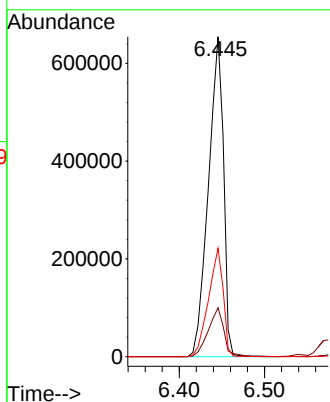
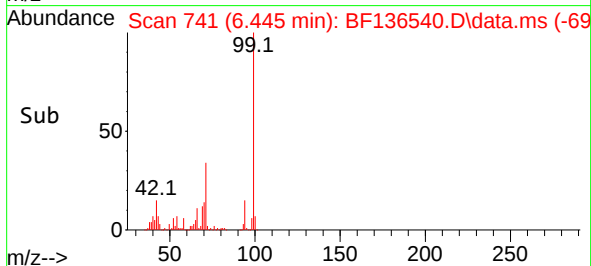
Instrument :  
BNA\_F  
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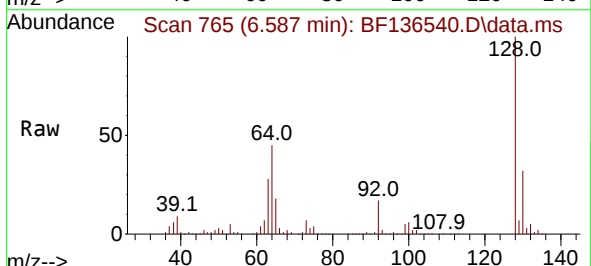
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Ion Ratio Lower Upper  
99 100  
42 15.3 12.8 19.2  
71 33.9 27.0 40.4

Manual Integrations  
APPROVED

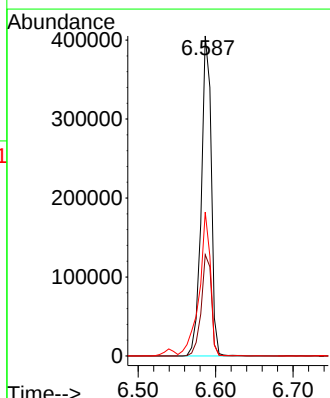
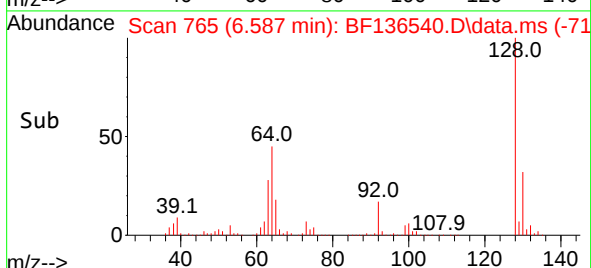
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

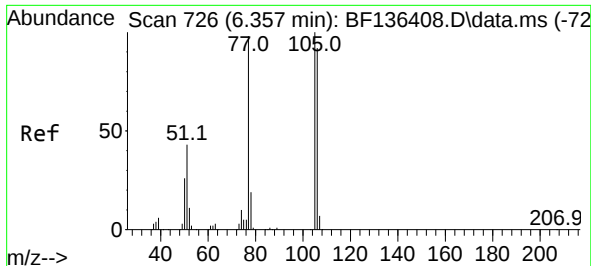


#8  
2-Chlorophenol  
Concen: 37.467 ng  
RT: 6.587 min Scan# 765  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:128 Resp: 362667  
Ion Ratio Lower Upper  
128 100  
130 31.6 11.7 51.7  
64 45.0 22.5 62.5





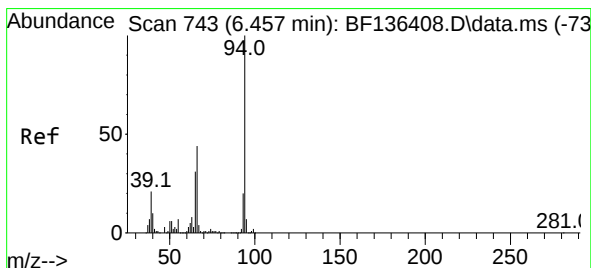
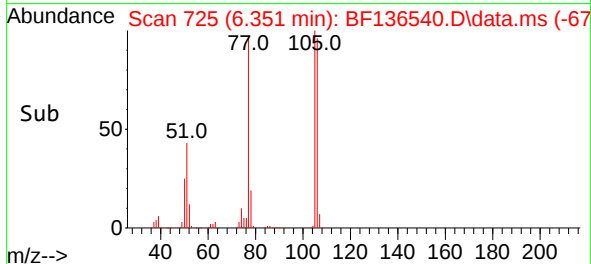
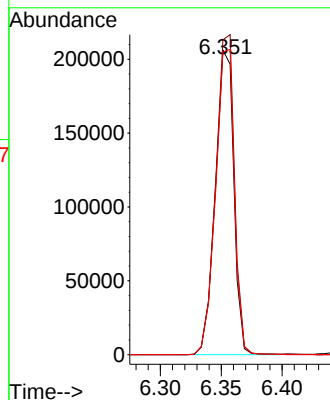
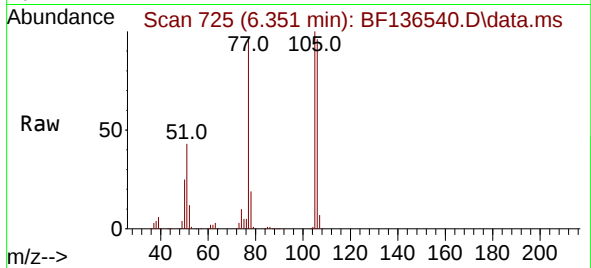
#9  
Benzaldehyde  
Concen: 38.636 ng  
RT: 6.351 min Scan# 725  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion: 77 Resp: 217719  
Ion Ratio Lower Upper  
77 100  
105 103.4 82.5 122.5  
106 99.4 74.5 114.5

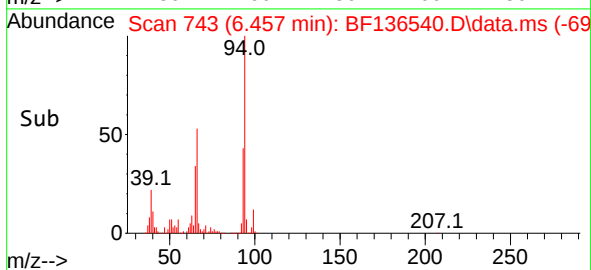
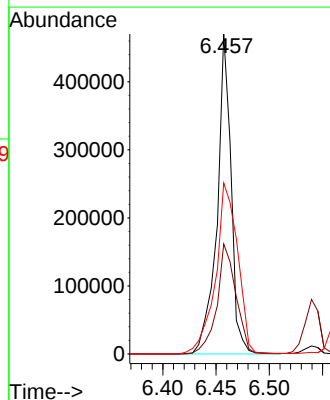
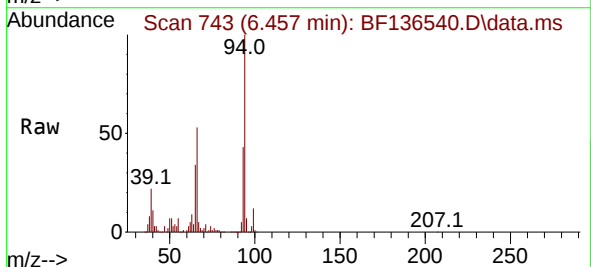
Manual Integrations  
APPROVED

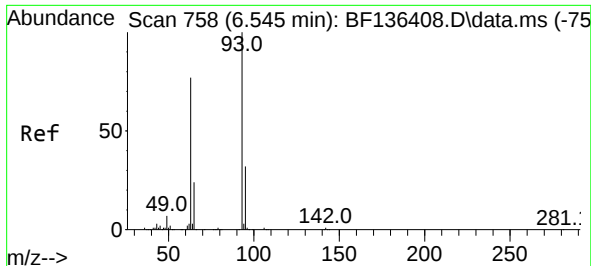
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#10  
Phenol  
Concen: 36.555 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

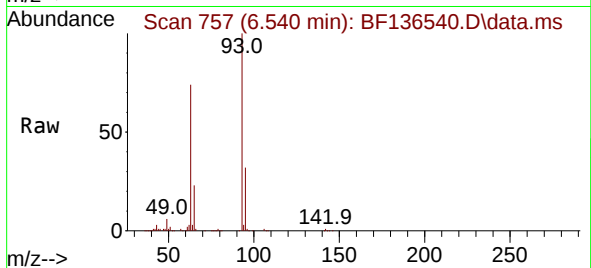
Tgt Ion: 94 Resp: 430304  
Ion Ratio Lower Upper  
94 100  
65 34.4 11.2 51.2  
66 53.4 24.2 64.2





#11  
bis(2-Chloroethyl)ether  
Concen: 37.631 ng  
RT: 6.540 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

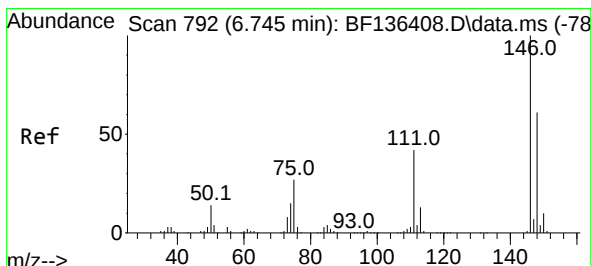
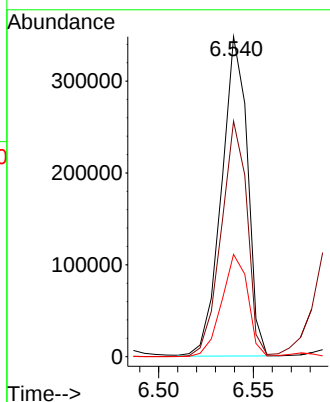
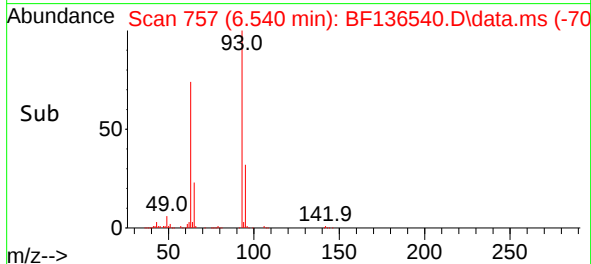
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion: 93 Resp: 33018  
Ion Ratio Lower Upper  
93 100  
63 73.6 56.8 96.8  
95 32.0 11.8 51.8

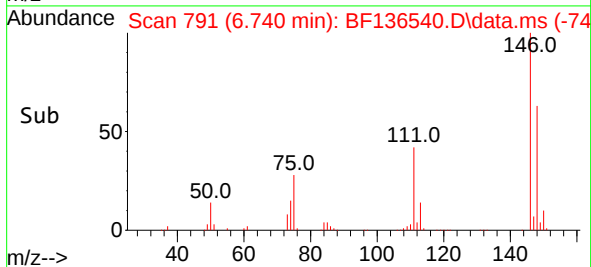
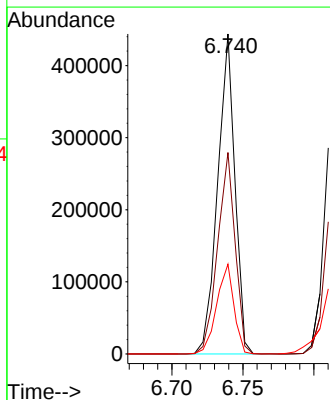
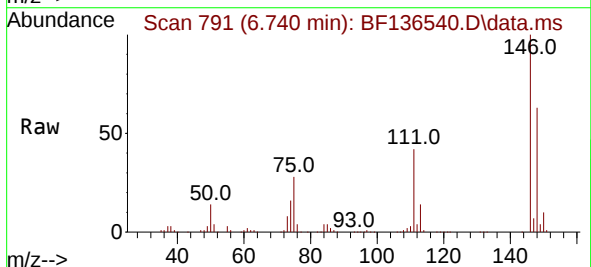
Manual Integrations  
APPROVED

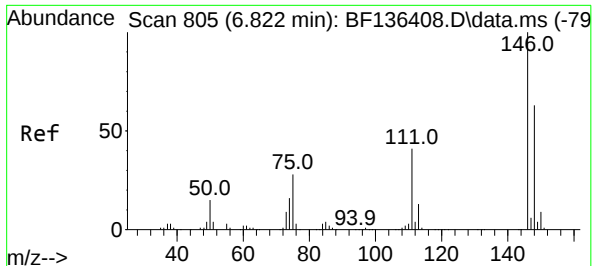
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#12  
1,3-Dichlorobenzene  
Concen: 34.370 ng  
RT: 6.740 min Scan# 791  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:146 Resp: 374139  
Ion Ratio Lower Upper  
146 100  
148 62.9 49.0 73.6  
75 28.1 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 34.076 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 376292

Ion Ratio Lower Upper

146 100

148 63.8 50.3 75.5

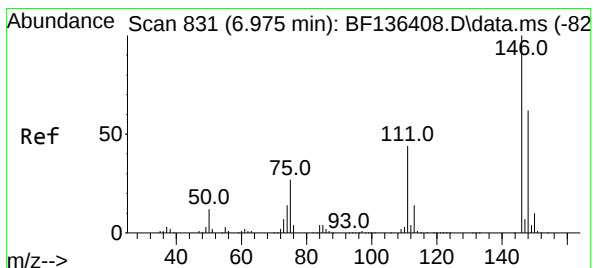
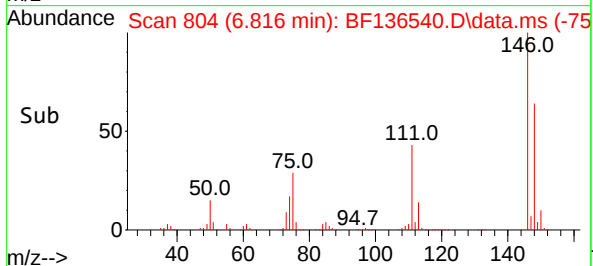
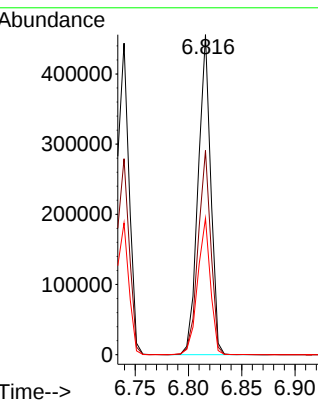
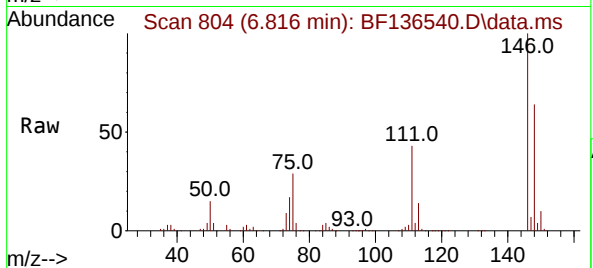
111 42.6 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#14

1,2-Dichlorobenzene

Concen: 34.406 ng

RT: 6.969 min Scan# 830

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

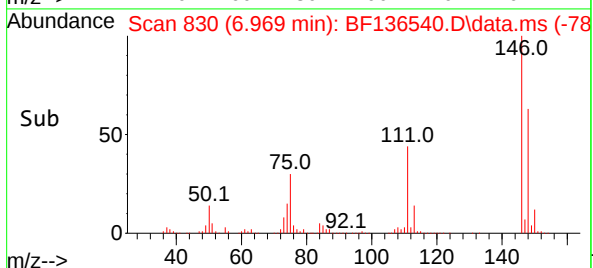
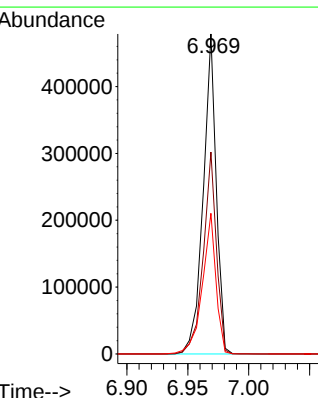
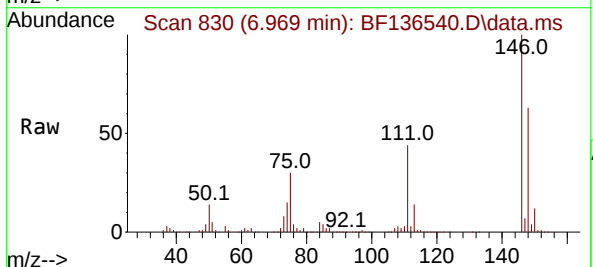
Tgt Ion:146 Resp: 357272

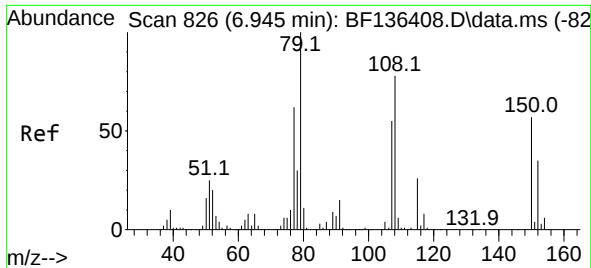
Ion Ratio Lower Upper

146 100

148 63.1 49.8 74.6

111 43.9 34.9 52.3





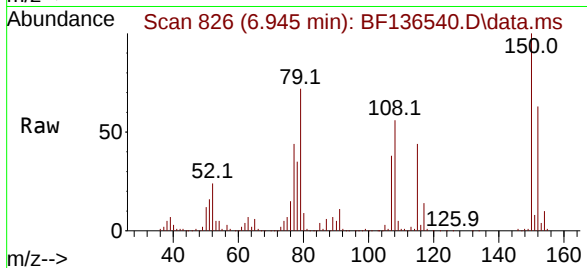
#15  
Benzyl Alcohol  
Concen: 38.364 ng  
RT: 6.945 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

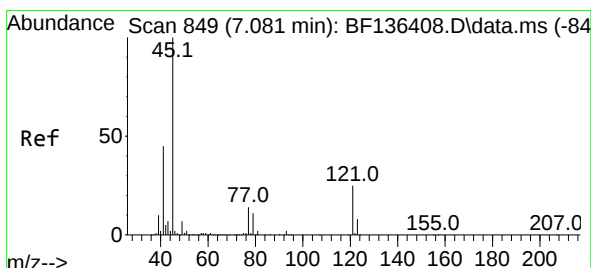
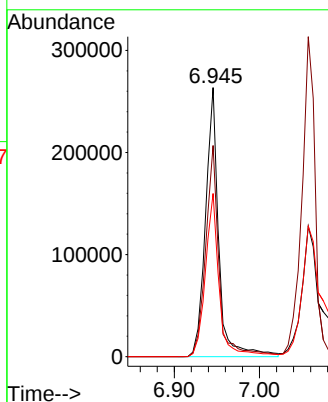
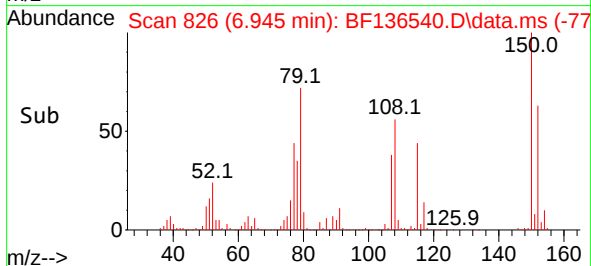


Tgt Ion: 79 Resp: 284189  
Ion Ratio Lower Upper  
79 100  
108 78.5 62.3 93.5  
77 60.6 49.8 74.8

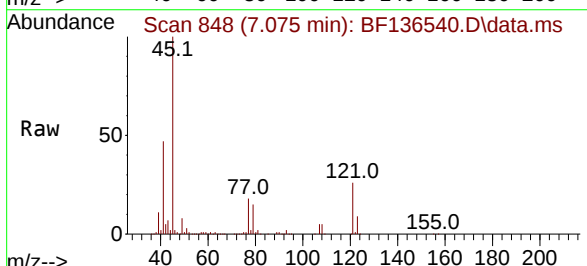
Manual Integrations

APPROVED

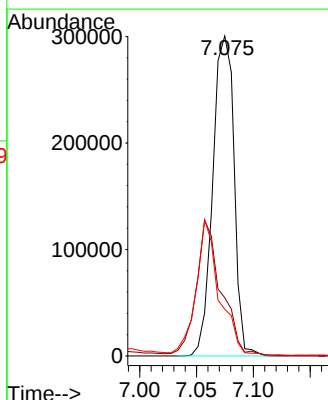
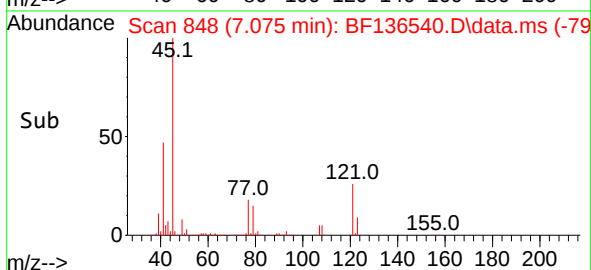
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

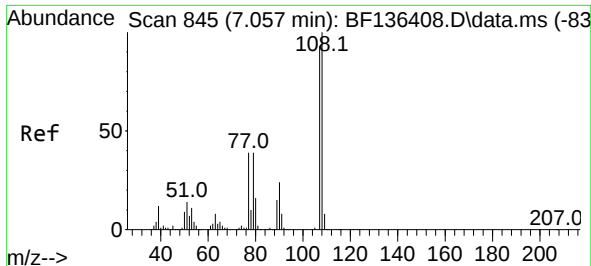


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 34.778 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion: 45 Resp: 392473  
Ion Ratio Lower Upper  
45 100  
77 18.2 0.0 35.3  
79 14.6 0.0 32.5





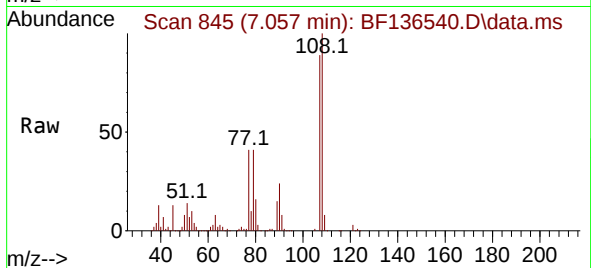
#17  
2-Methylphenol  
Concen: 39.030 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

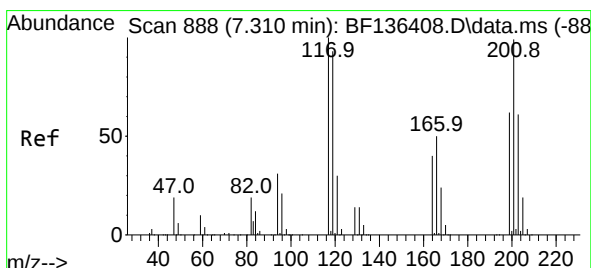
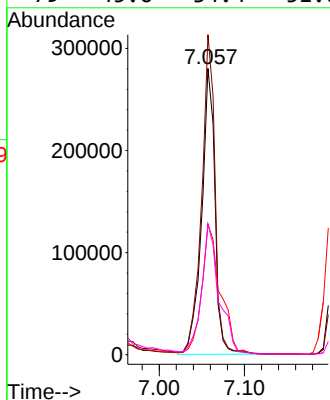
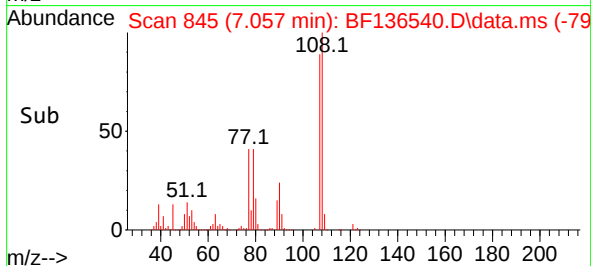


Tgt Ion:107 Resp: 305223  
Ion Ratio Lower Upper  
107 100  
108 111.8 86.5 129.7  
77 45.6 33.8 50.8  
79 45.6 34.4 51.6

Manual Integrations

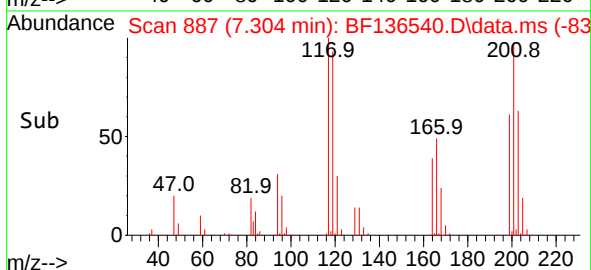
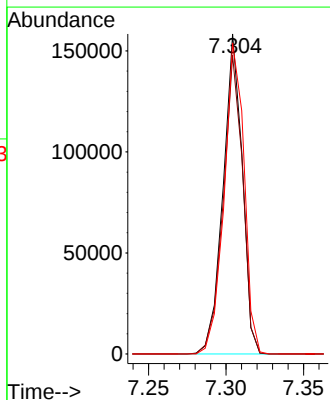
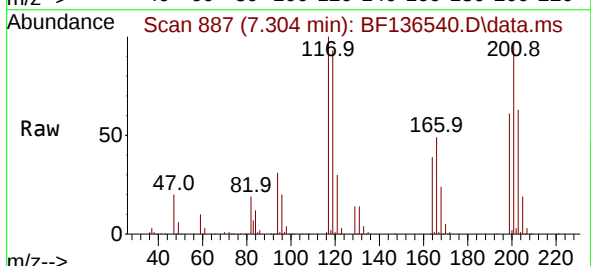
APPROVED

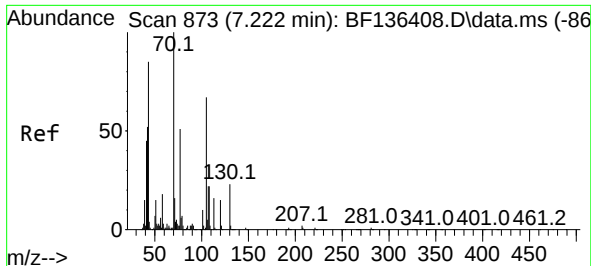
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#18  
Hexachloroethane  
Concen: 35.254 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:117 Resp: 135915  
Ion Ratio Lower Upper  
117 100  
119 93.4 74.3 111.5  
201 97.2 79.3 118.9





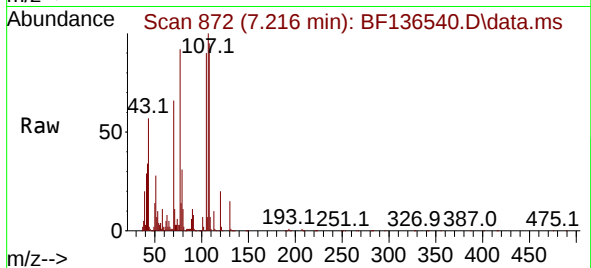
#19  
n-Nitroso-di-n-propylamine  
Concen: 36.547 ng  
RT: 7.216 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



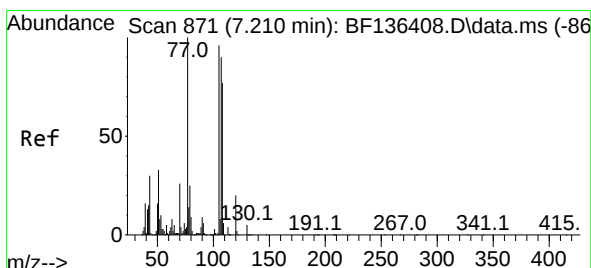
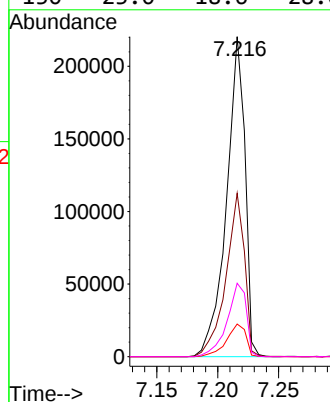
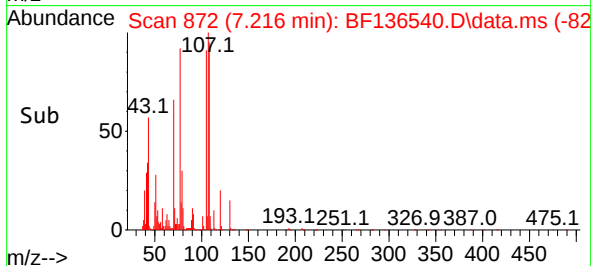
Tgt Ion: 70 Resp: 23322  
Ion Ratio Lower Upper  
70 100  
42 51.1 41.4 62.0  
101 10.2 8.2 12.4  
130 23.0 18.6 28.0

Manual Integrations

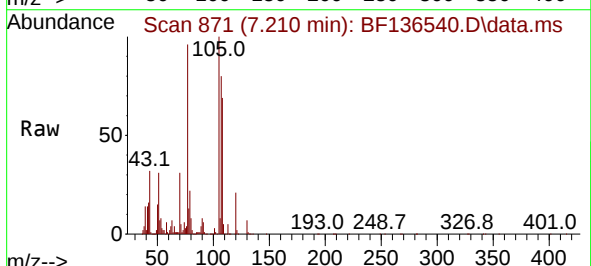
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

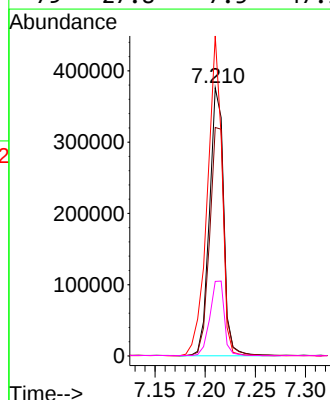
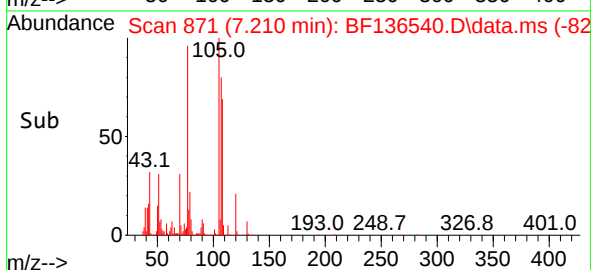
Supervised By :mohammad ahmed 12/14/2023

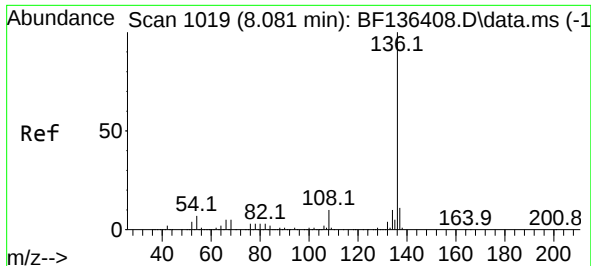


#20  
3+4-Methylphenols  
Concen: 38.110 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:107 Resp: 369924  
Ion Ratio Lower Upper  
107 100  
108 85.2 65.9 105.9  
77 119.4 91.7 131.7  
79 27.8 7.5 47.5





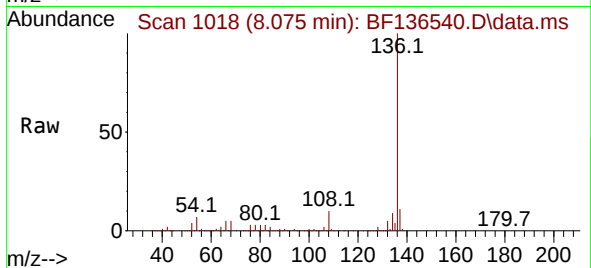
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

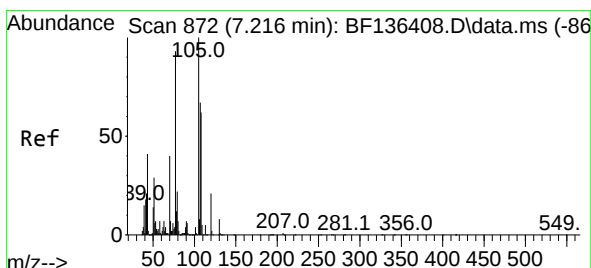
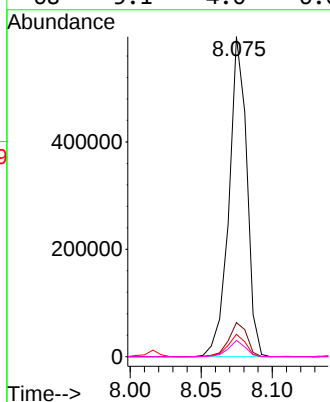
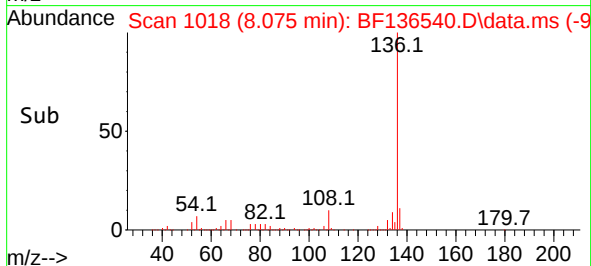


Tgt Ion:136 Resp: 520238  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 12.8  
54 7.0 5.7 8.5  
68 5.1 4.0 6.0

Manual Integrations

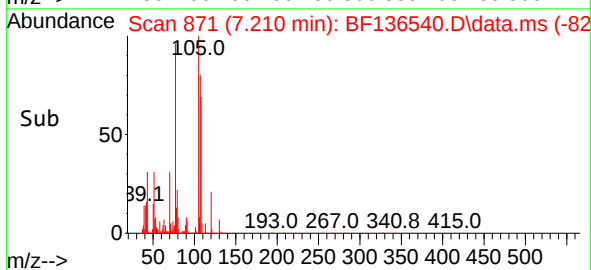
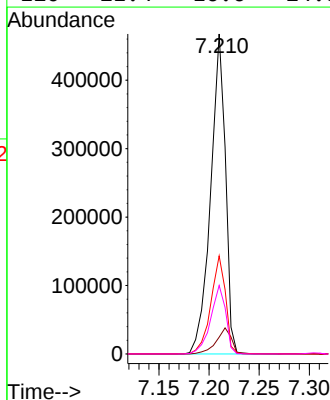
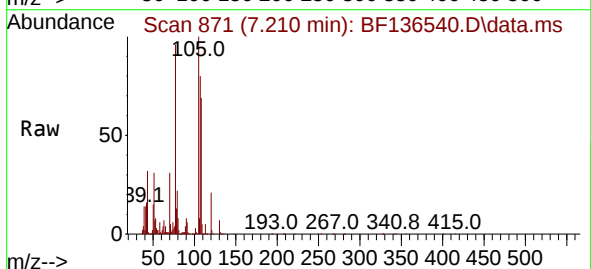
APPROVED

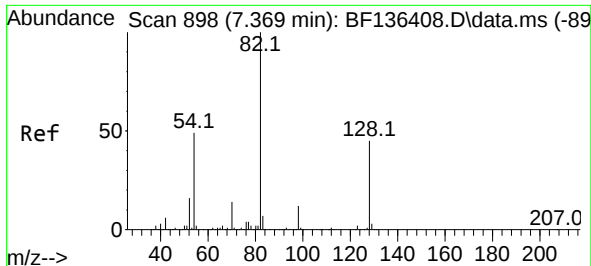
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#22  
Acetophenone  
Concen: 37.443 ng  
RT: 7.210 min Scan# 871  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:105 Resp: 481023  
Ion Ratio Lower Upper  
105 100  
71 5.2 5.4 8.0#  
51 30.6 23.4 35.2  
120 21.4 16.6 24.8





#23

Nitrobenzene-d5

Concen: 75.932 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 73071

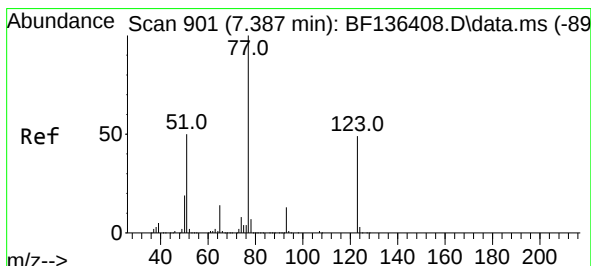
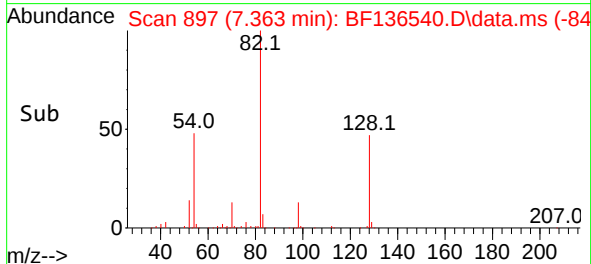
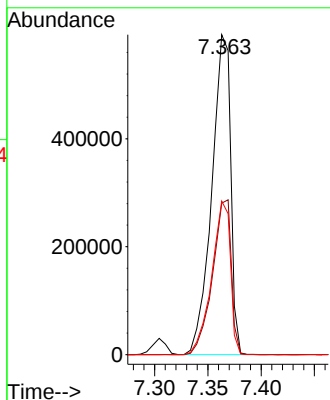
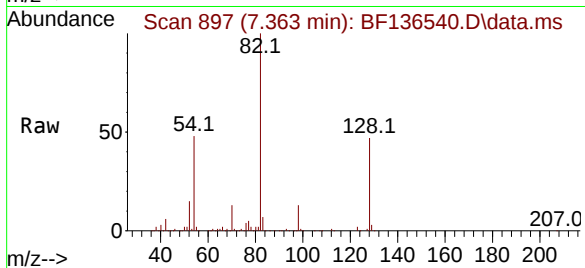
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.4  | 36.3  | 54.5  |
| 54  | 48.0  | 39.0  | 58.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#24

Nitrobenzene

Concen: 36.449 ng

RT: 7.381 min Scan# 900

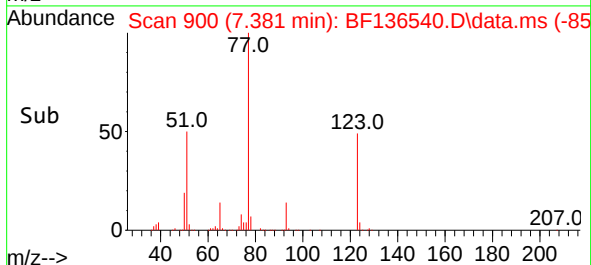
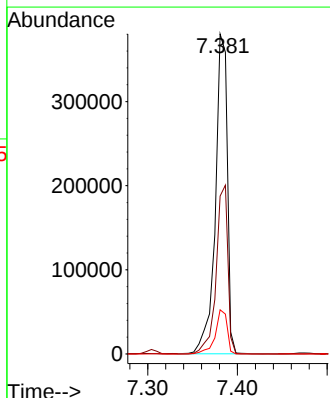
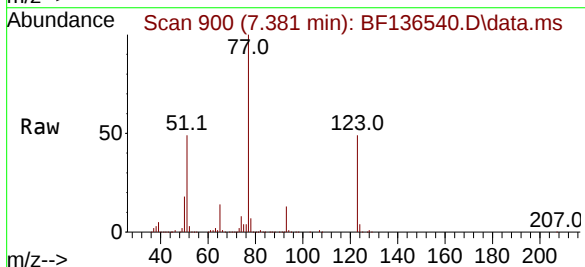
Delta R.T. -0.006 min

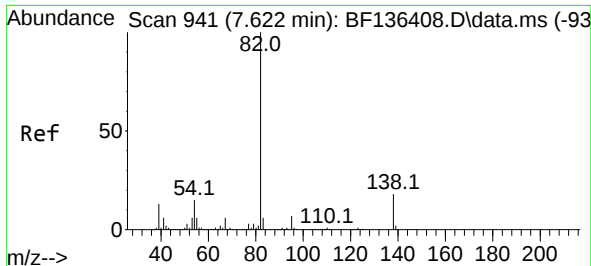
Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Tgt Ion: 77 Resp: 352859

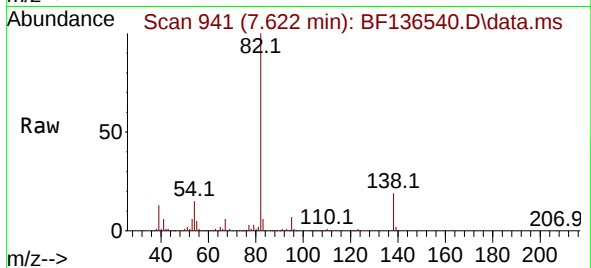
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 49.4  | 39.0  | 58.6  |
| 65  | 13.8  | 11.3  | 16.9  |





#25  
Isophorone  
Concen: 37.544 ng  
RT: 7.622 min Scan# 941  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

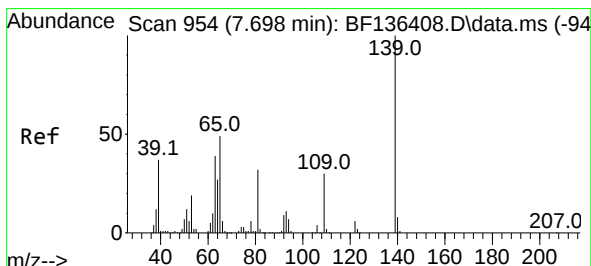
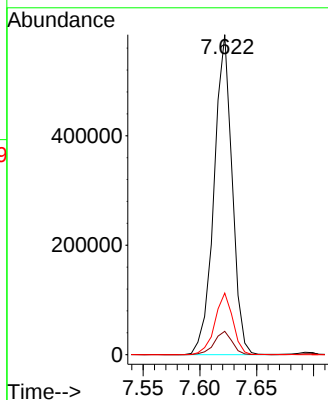
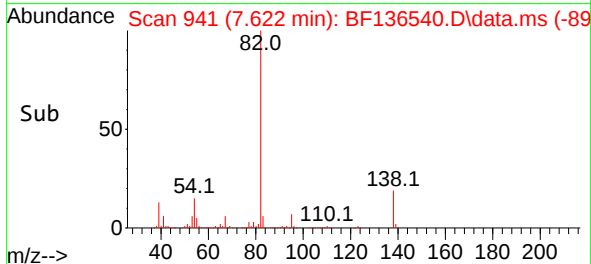
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



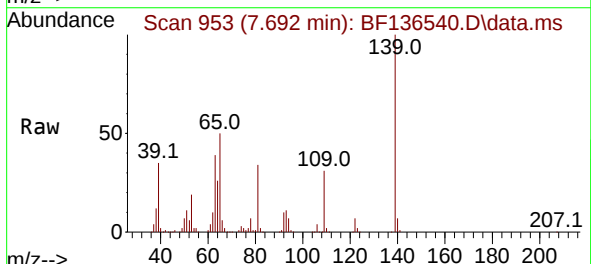
Tgt Ion: 82 Resp: 64911  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.7 8.5  
138 19.2 14.5 21.7

Manual Integrations  
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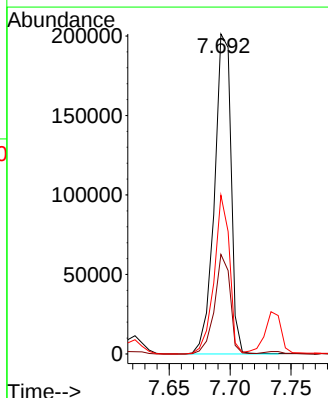
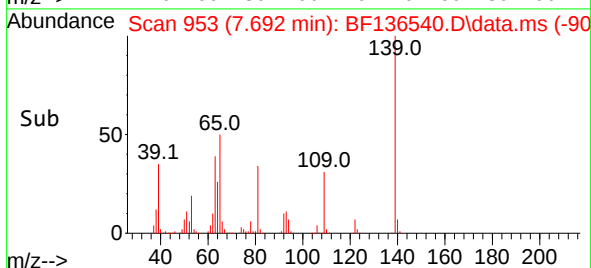
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

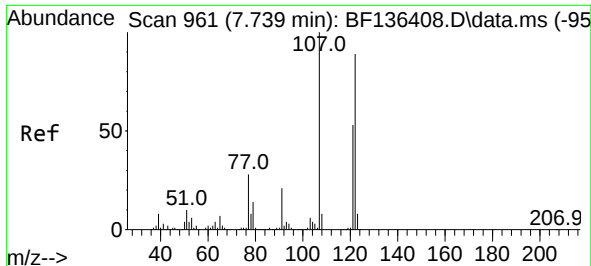


#26  
2-Nitrophenol  
Concen: 40.121 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:139 Resp: 190945  
Ion Ratio Lower Upper  
139 100  
109 31.1 23.6 35.4  
65 49.6 39.4 59.2





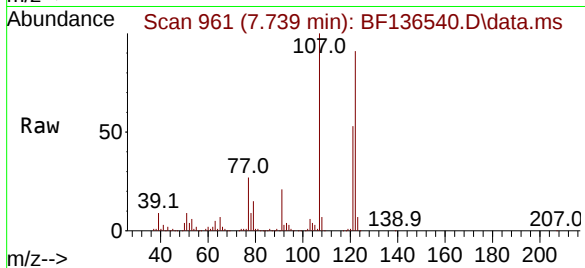
#27  
2,4-Dimethylphenol  
Concen: 49.236 ng  
RT: 7.739 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

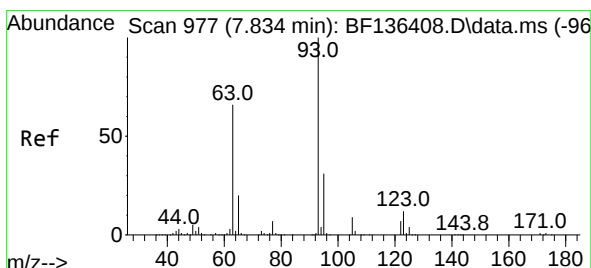
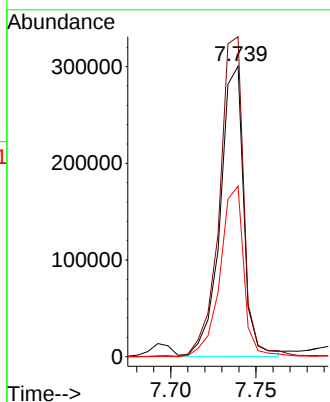
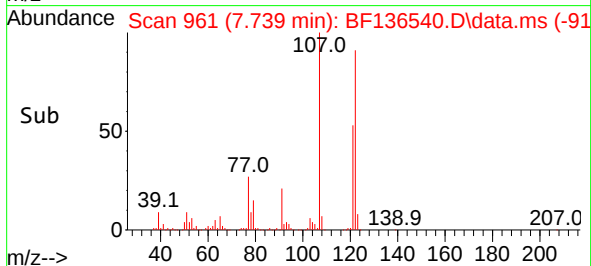


Tgt Ion:122 Resp: 288938  
Ion Ratio Lower Upper  
122 100  
107 110.2 89.3 133.9  
121 58.7 47.6 71.4

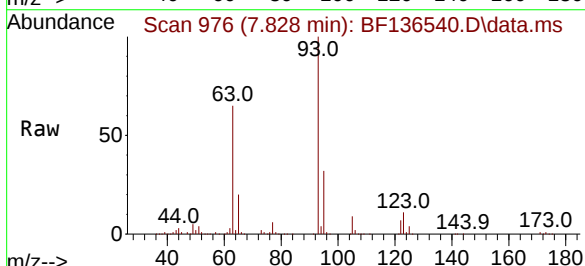
Manual Integrations

APPROVED

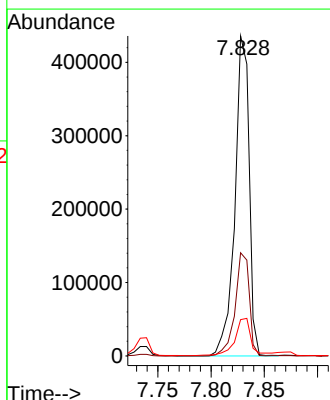
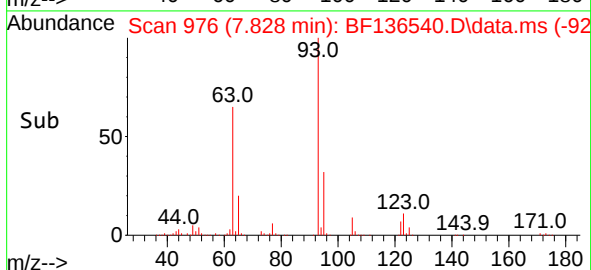
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

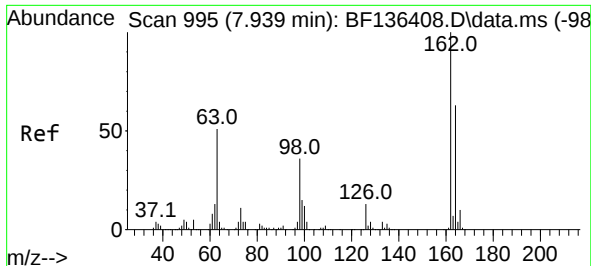


#28  
bis(2-Chloroethoxy)methane  
Concen: 38.294 ng  
RT: 7.828 min Scan# 976  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion: 93 Resp: 406836  
Ion Ratio Lower Upper  
93 100  
95 32.3 25.0 37.4  
123 11.4 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 38.318 ng

RT: 7.939 min Scan# 995

Delta R.T. 0.000 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

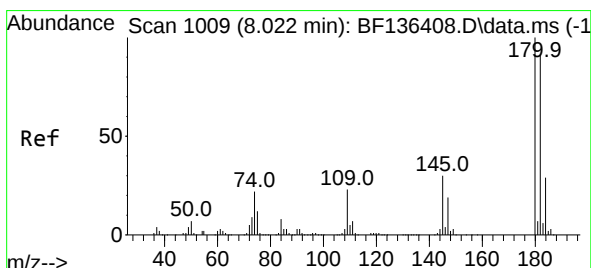
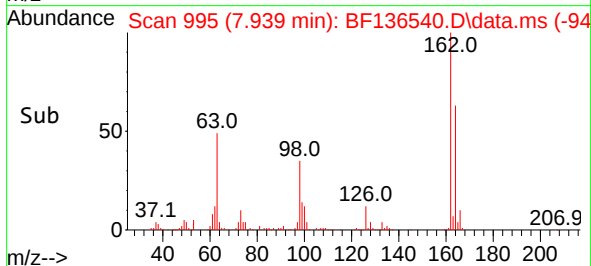
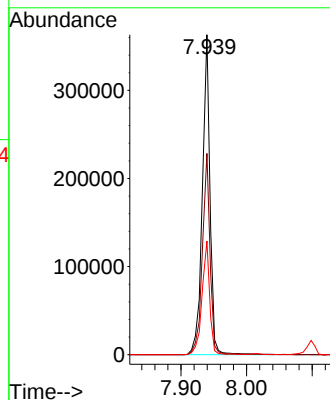
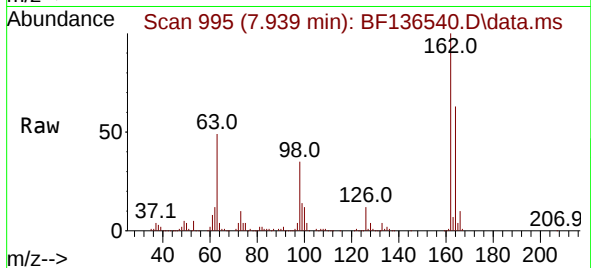
Tgt Ion:162 Resp: 29681  
 Ion Ratio Lower Upper  
 162 100  
 164 62.9 43.0 83.0  
 98 35.5 16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#30

1,2,4-Trichlorobenzene

Concen: 36.274 ng

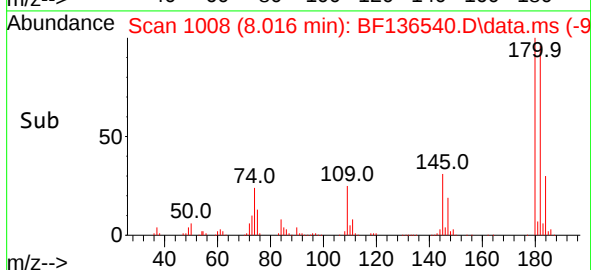
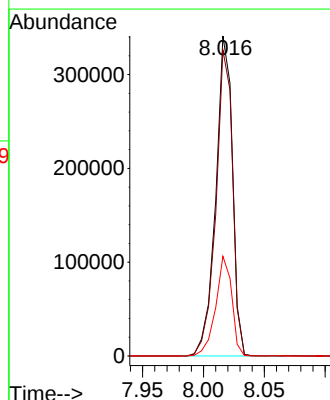
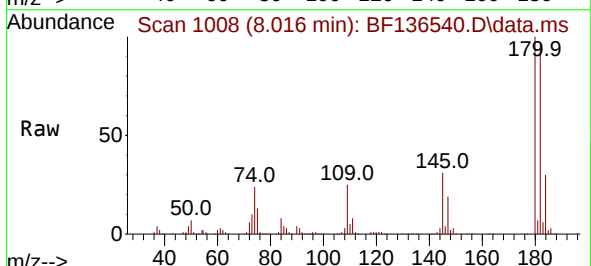
RT: 8.016 min Scan# 1008

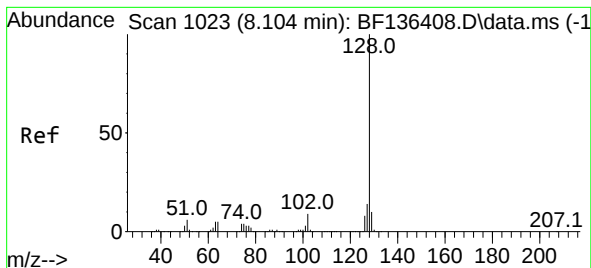
Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Tgt Ion:180 Resp: 327636  
 Ion Ratio Lower Upper  
 180 100  
 182 95.6 73.1 109.7  
 145 31.1 23.8 35.8





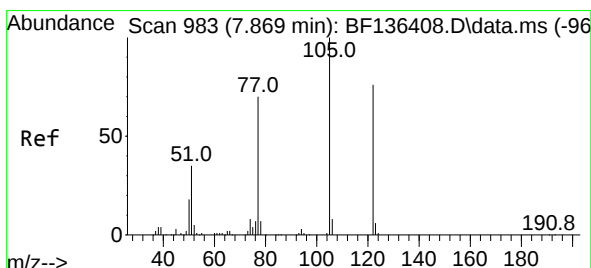
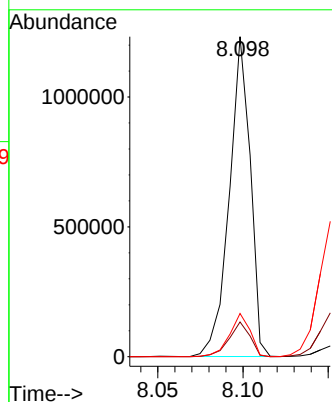
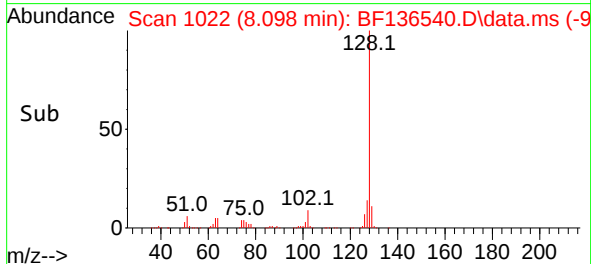
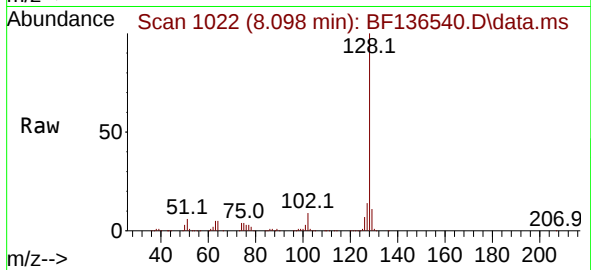
#31  
Naphthalene  
Concen: 36.846 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:128 Resp: 1057072  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.3 12.5  
127 13.5 11.1 16.7

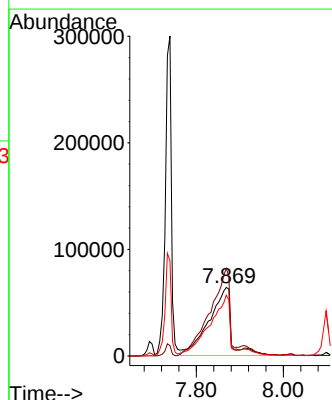
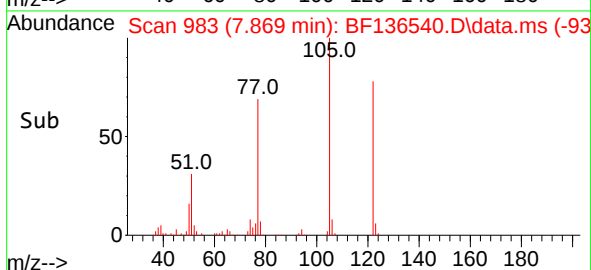
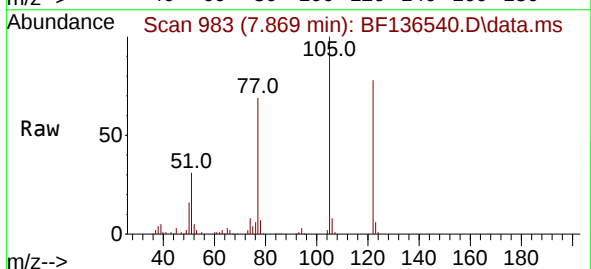
Manual Integrations  
APPROVED

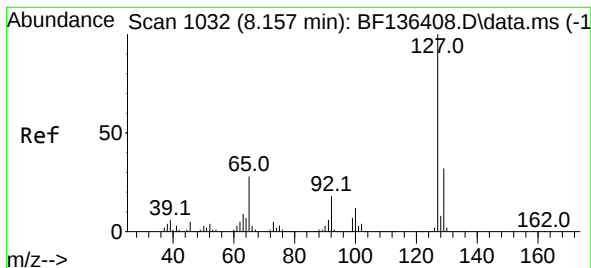
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#32  
Benzoic acid  
Concen: 39.449 ng m  
RT: 7.869 min Scan# 983  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:122 Resp: 229656  
Ion Ratio Lower Upper  
122 100  
105 128.2 104.7 144.7  
77 88.9 68.5 108.5





#33

4-Chloroaniline

Concen: 41.764 ng

RT: 8.151 min Scan# 1031

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 42715

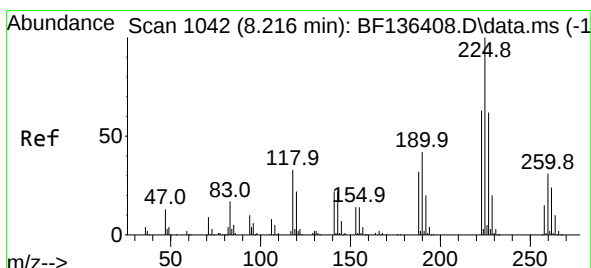
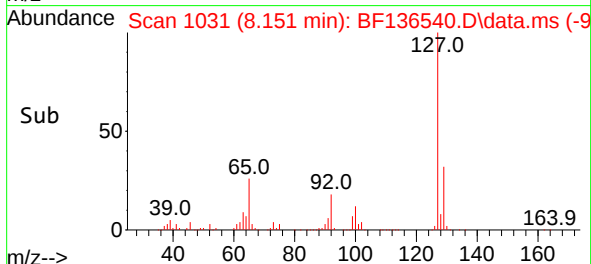
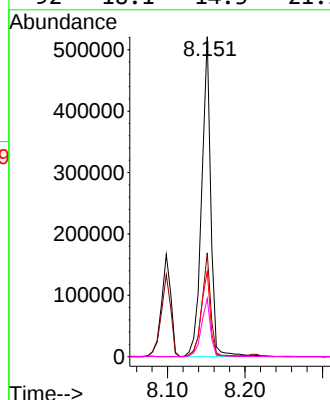
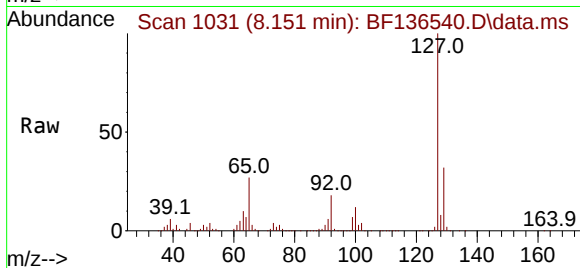
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.4  | 25.4  | 38.2  |
| 65  | 26.7  | 22.5  | 33.7  |
| 92  | 18.1  | 14.3  | 21.5  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#34

Hexachlorobutadiene

Concen: 36.629 ng

RT: 8.210 min Scan# 1041

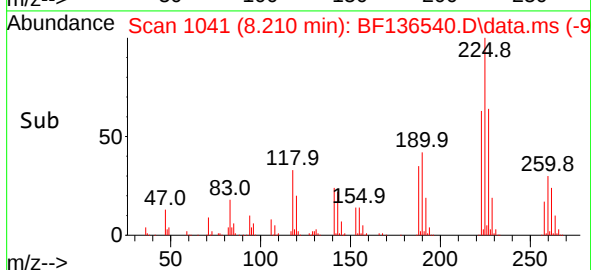
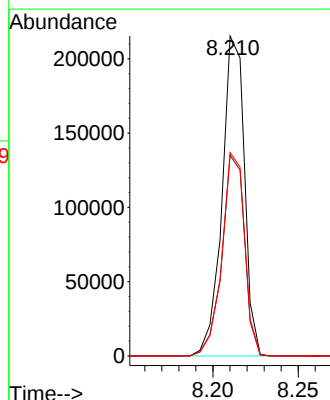
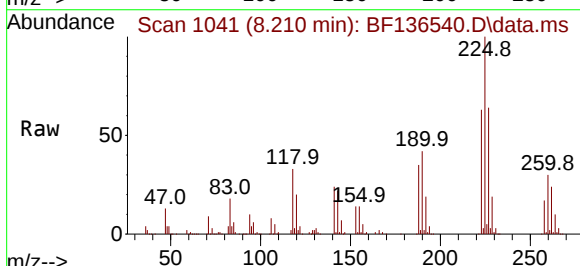
Delta R.T. -0.006 min

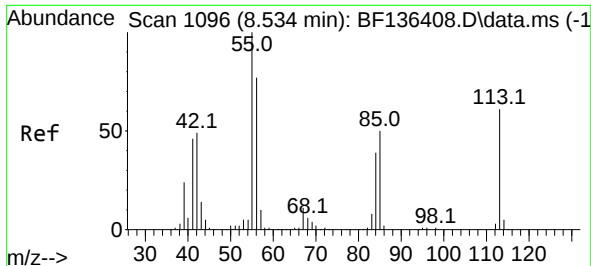
Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Tgt Ion:225 Resp: 196074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 62.7  | 50.8  | 76.2  |
| 227 | 63.5  | 49.8  | 74.8  |





#35  
Caprolactam  
Concen: 37.592 ng  
RT: 8.534 min Scan# 1096  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

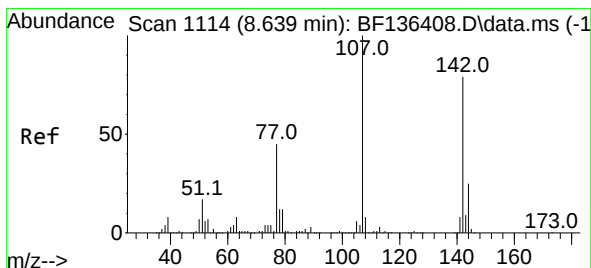
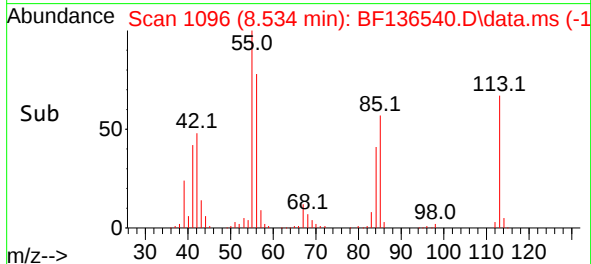
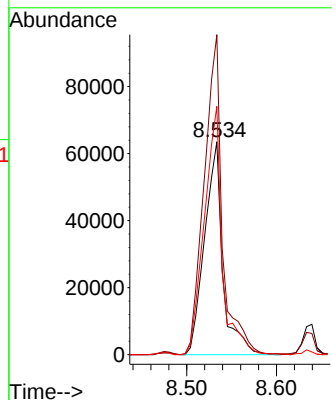
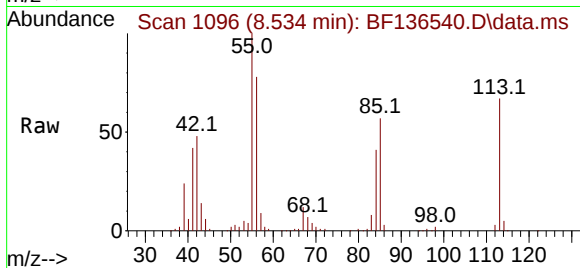
SSTDCCC040

Tgt Ion:113 Resp: 89672  
Ion Ratio Lower Upper  
113 100  
55 150.2 143.7 183.7  
56 116.6 105.2 145.2

Manual Integrations

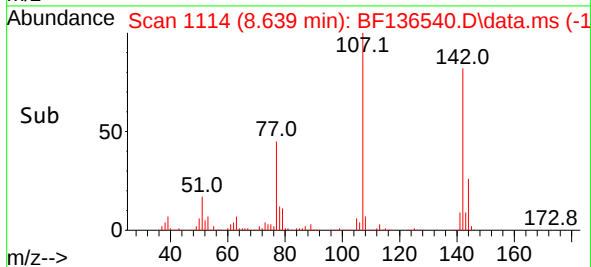
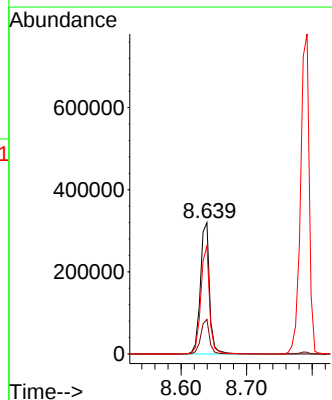
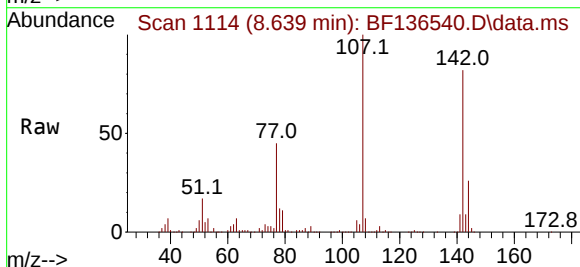
APPROVED

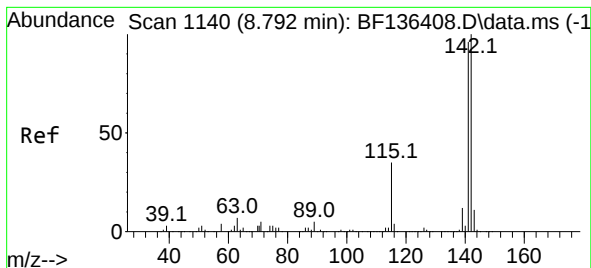
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#36  
4-Chloro-3-methylphenol  
Concen: 37.745 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:107 Resp: 310433  
Ion Ratio Lower Upper  
107 100  
144 26.4 20.1 30.1  
142 82.3 63.1 94.7





#37

2-Methylnaphthalene

Concen: 38.989 ng

RT: 8.792 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:142 Resp: 71161

Ion Ratio Lower Upper

142 100

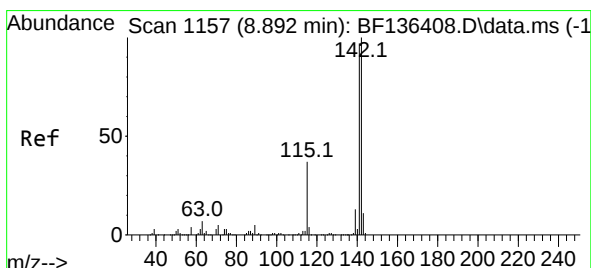
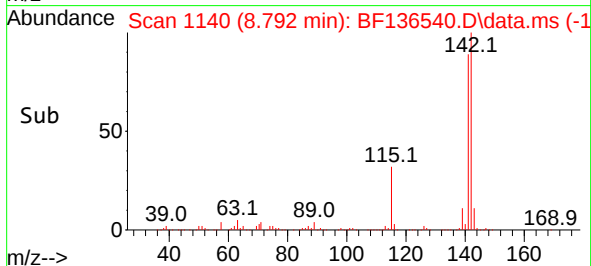
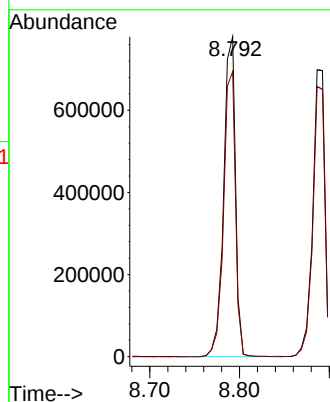
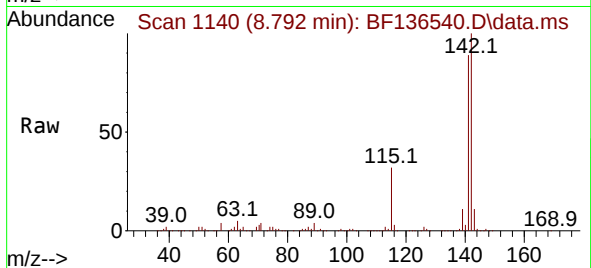
141 89.1 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#38

1-Methylnaphthalene

Concen: 36.830 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136540.D

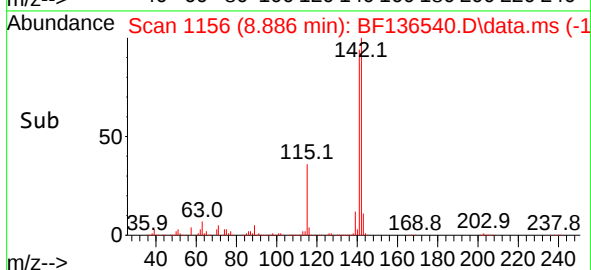
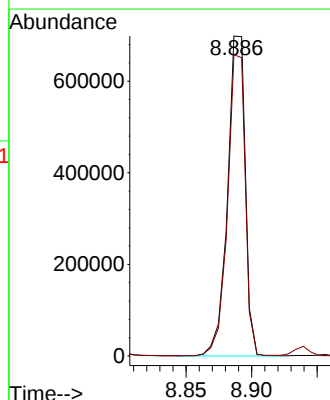
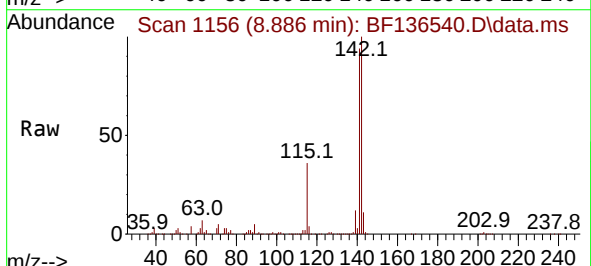
Acq: 13 Dec 2023 16:30

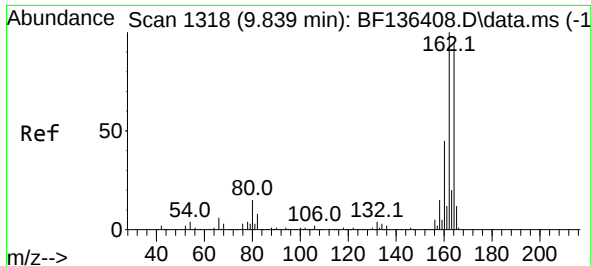
Tgt Ion:142 Resp: 659622

Ion Ratio Lower Upper

142 100

141 94.1 77.7 116.5





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1167  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

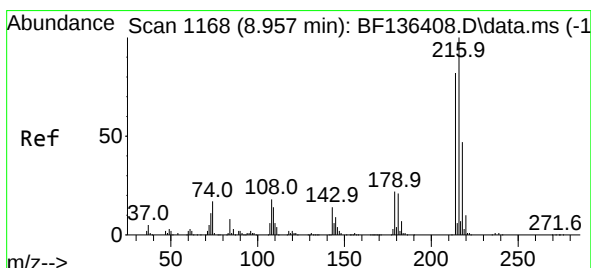
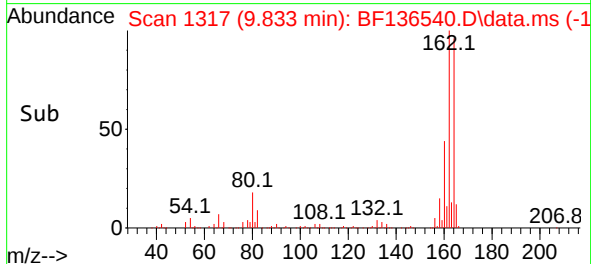
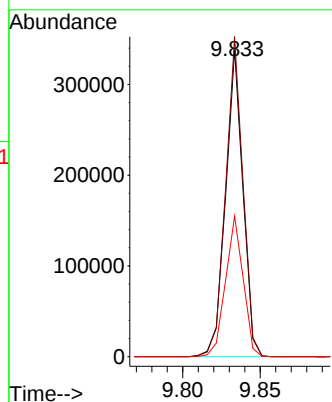
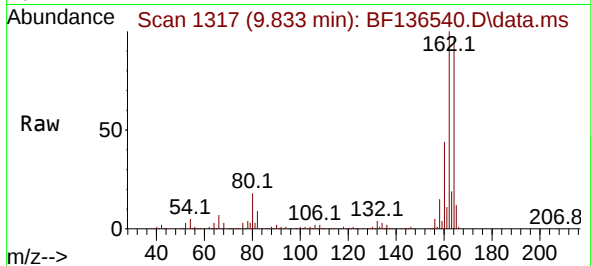
ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 26293  
Ion Ratio Lower Upper  
164 100  
162 104.2 84.4 126.6  
160 45.8 37.6 56.4

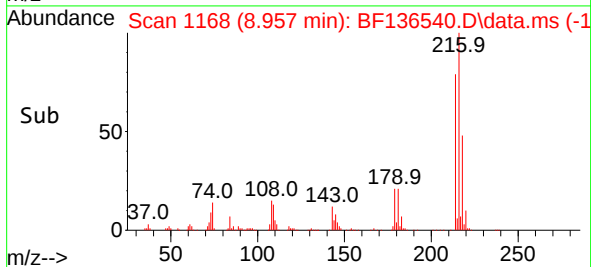
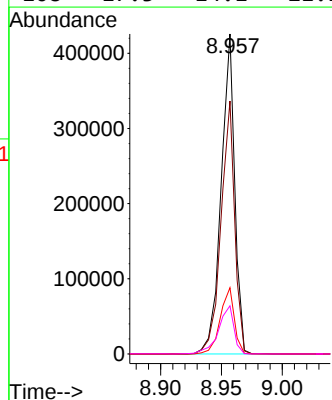
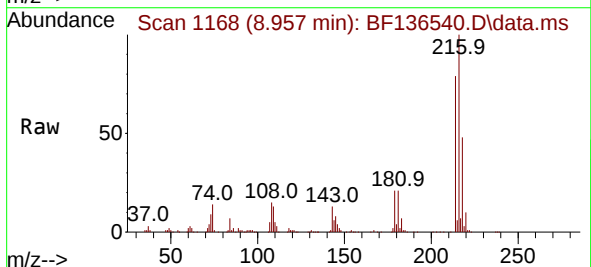
Manual Integrations  
APPROVED

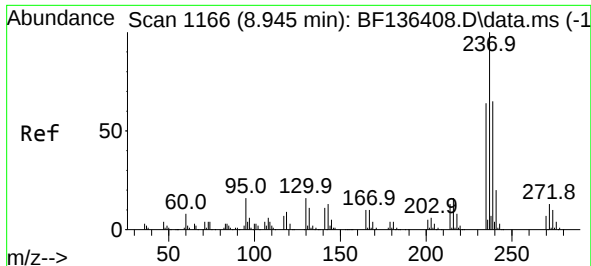
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.566 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

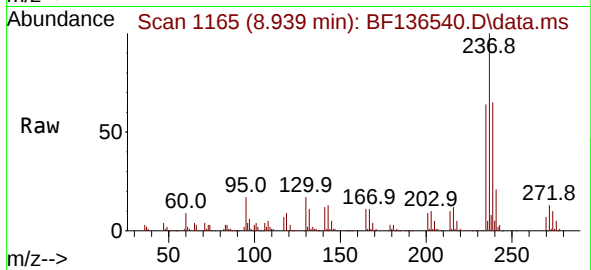
Tgt Ion:216 Resp: 331838  
Ion Ratio Lower Upper  
216 100  
214 79.7 64.1 96.1  
179 21.4 17.0 25.6  
108 17.3 14.1 21.1





#41  
Hexachlorocyclopentadiene  
Concen: 46.561 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

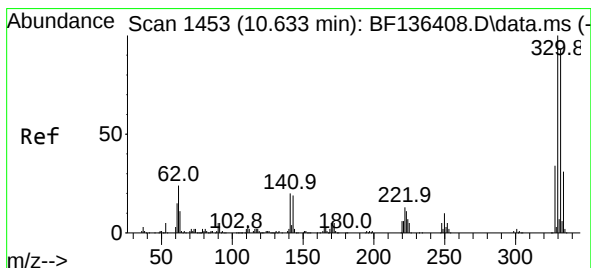
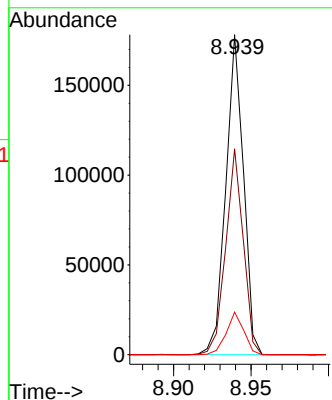
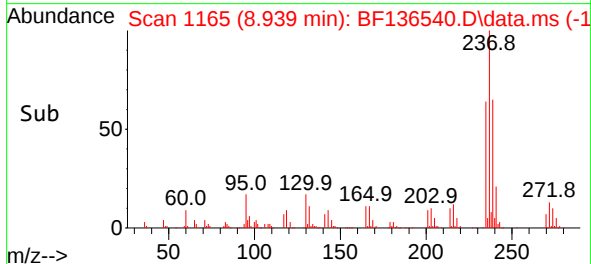
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



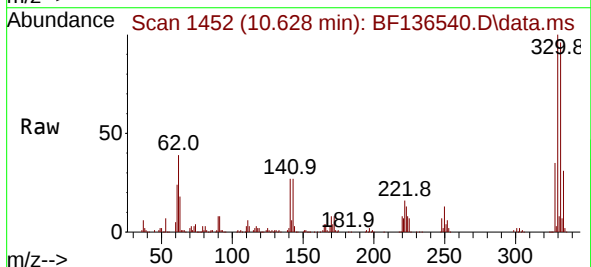
Tgt Ion:237 Resp: 141104  
Ion Ratio Lower Upper  
237 100  
235 64.4 44.1 84.1  
272 13.3 0.0 33.3

Manual Integrations  
APPROVED

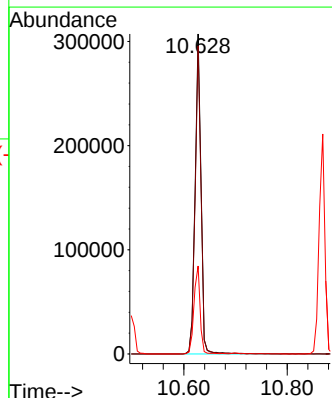
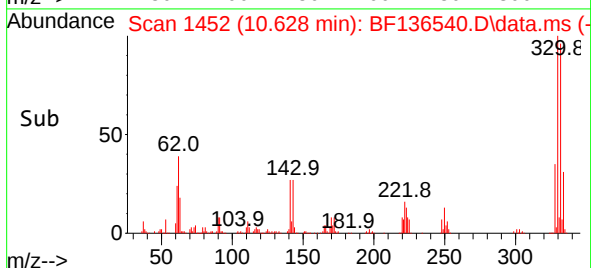
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

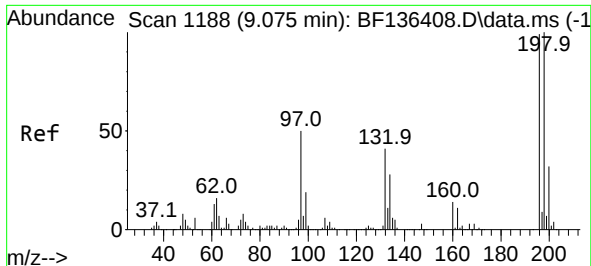


#42  
2,4,6-Tribromophenol  
Concen: 75.101 ng  
RT: 10.628 min Scan# 1452  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



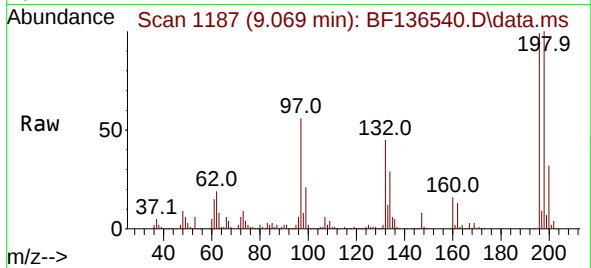
Tgt Ion:330 Resp: 243475  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.4 114.6  
141 28.6 23.4 35.2





#43  
2,4,6-Trichlorophenol  
Concen: 38.942 ng  
RT: 9.069 min Scan# 1188  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

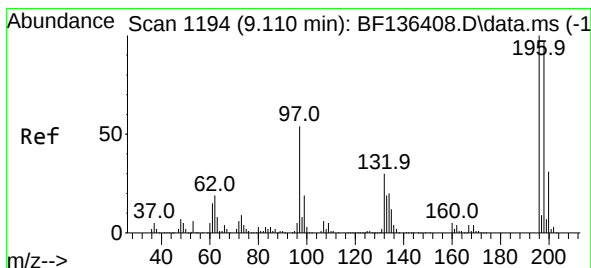
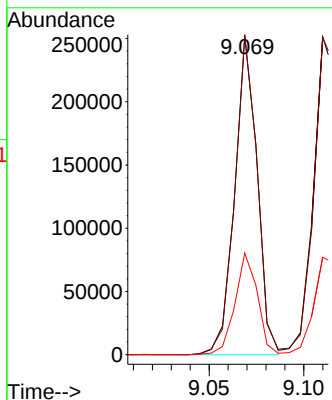
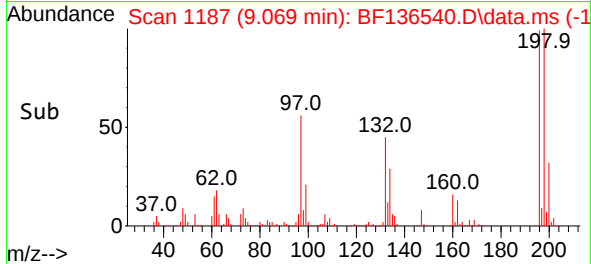
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:196 Resp: 207415  
Ion Ratio Lower Upper  
196 100  
198 100.5 80.4 120.6  
200 31.9 25.9 38.9

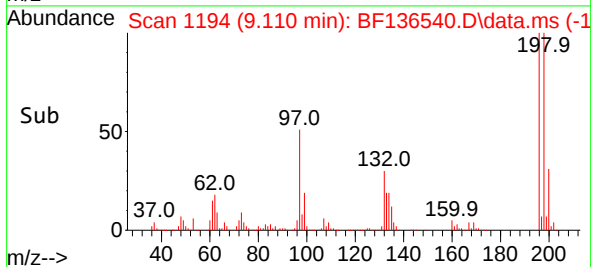
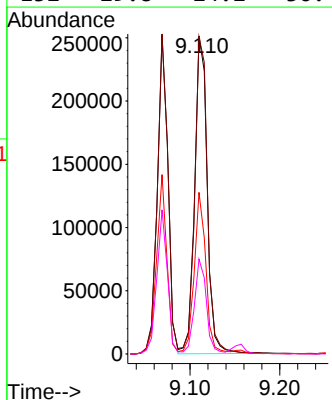
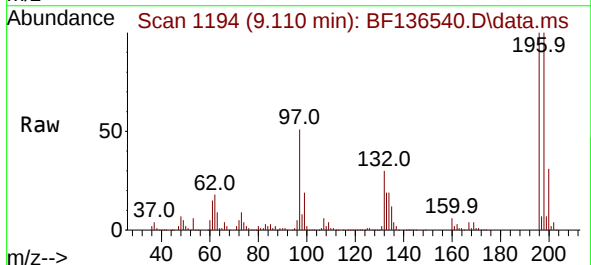
Manual Integrations  
APPROVED

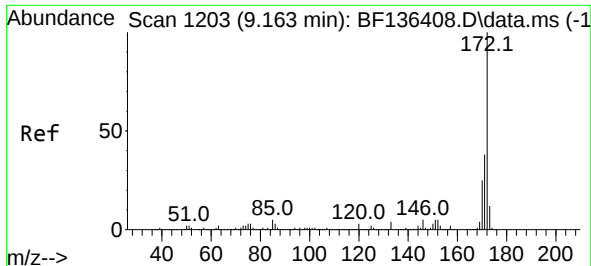
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#44  
2,4,5-Trichlorophenol  
Concen: 41.100 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:196 Resp: 244325  
Ion Ratio Lower Upper  
196 100  
198 99.9 78.1 117.1  
97 50.9 43.4 65.2  
132 29.8 24.2 36.4





#45  
2-Fluorobiphenyl  
Concen: 77.129 ng  
RT: 9.157 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

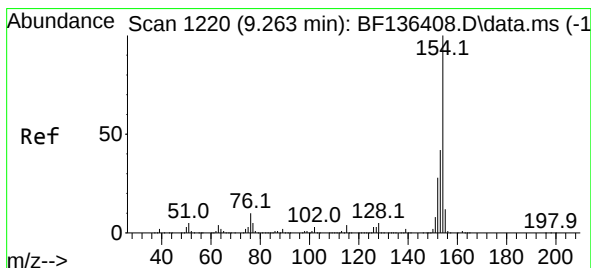
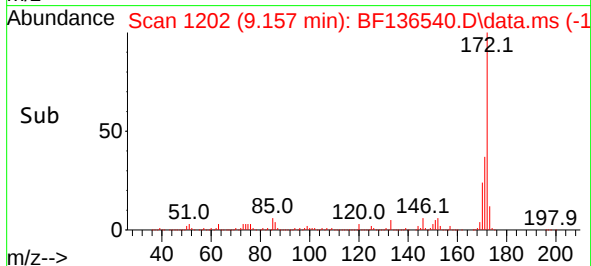
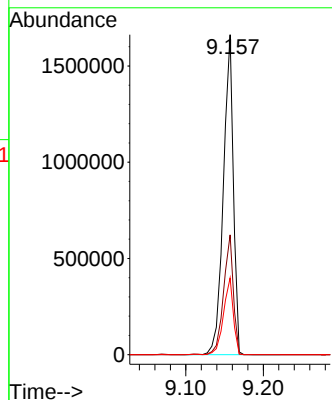
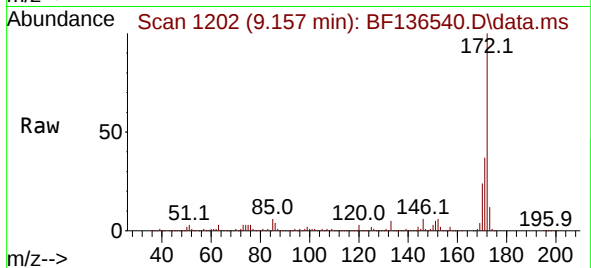
SSTDCCC040

Tgt Ion:172 Resp: 148623  
Ion Ratio Lower Upper  
172 100  
171 37.5 30.5 45.7  
170 24.0 19.9 29.9

Manual Integrations

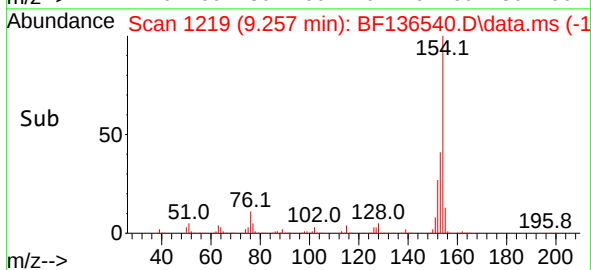
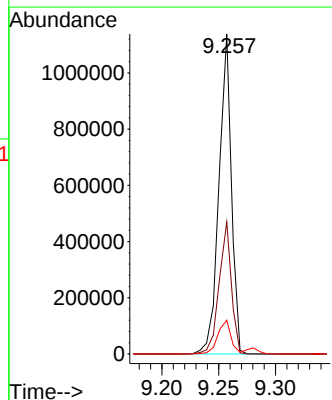
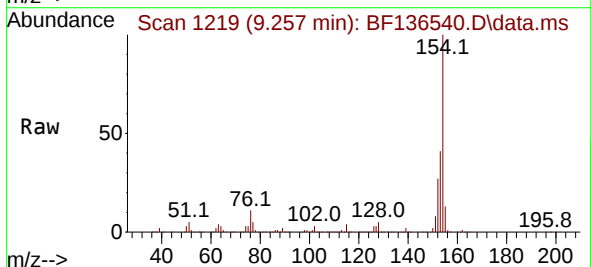
APPROVED

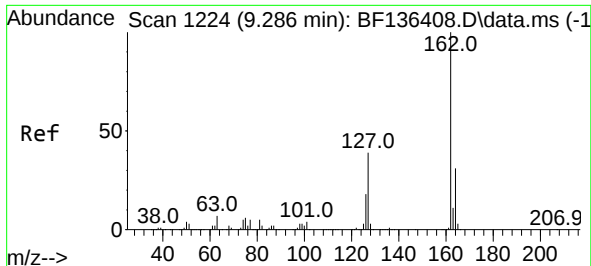
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#46  
1,1'-Biphenyl  
Concen: 38.867 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:154 Resp: 869567  
Ion Ratio Lower Upper  
154 100  
153 41.2 22.5 62.5  
76 10.6 0.0 29.9





#47

2-Chloronaphthalene

Concen: 36.604 ng

RT: 9.281 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 637390

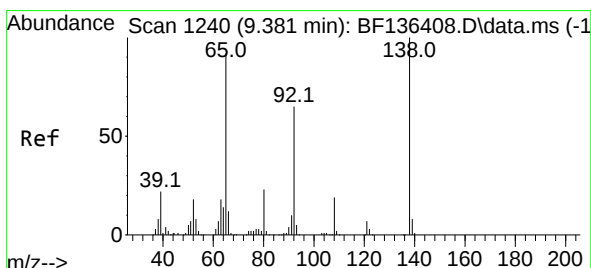
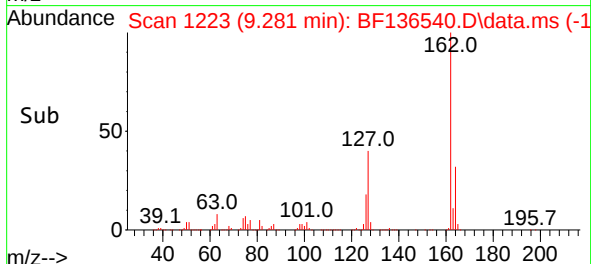
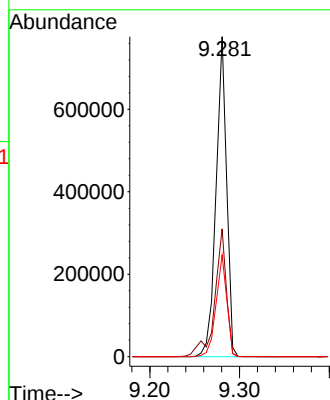
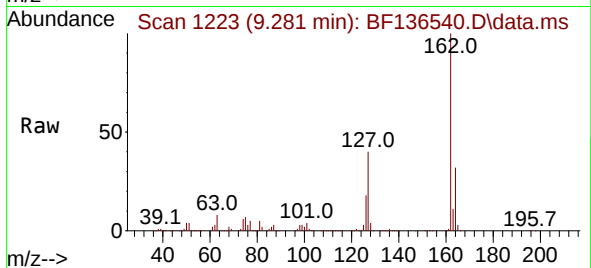
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 39.9  | 31.1  | 46.7  |
| 164 | 31.8  | 24.6  | 37.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#48

2-Nitroaniline

Concen: 38.914 ng

RT: 9.381 min Scan# 1240

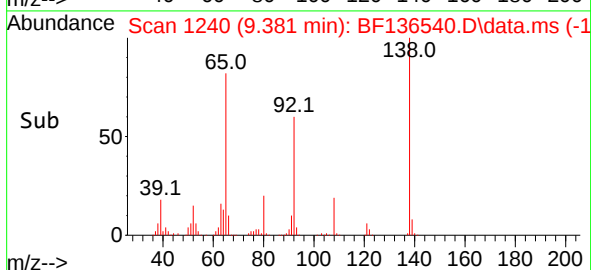
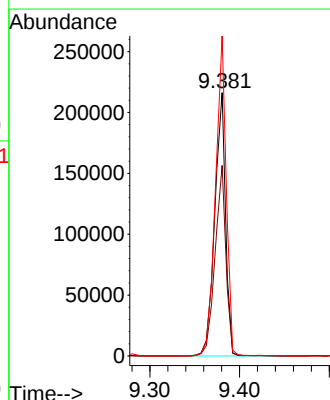
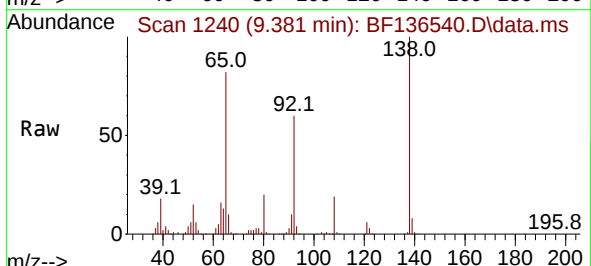
Delta R.T. 0.000 min

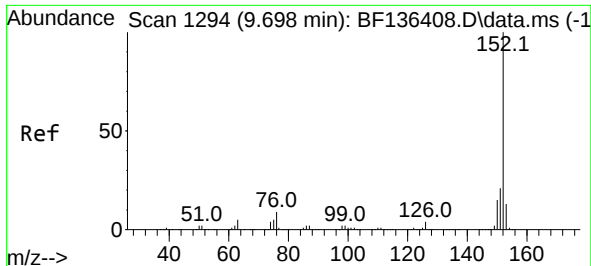
Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Tgt Ion: 65 Resp: 181738

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 72.3  | 56.1  | 84.1  |
| 138 | 121.5 | 86.7  | 130.1 |





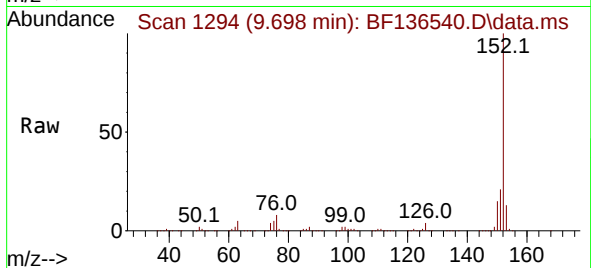
#49  
Acenaphthylene  
Concen: 39.709 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



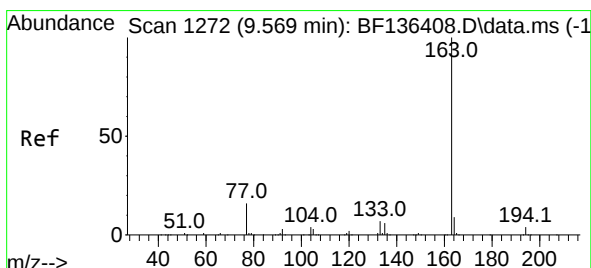
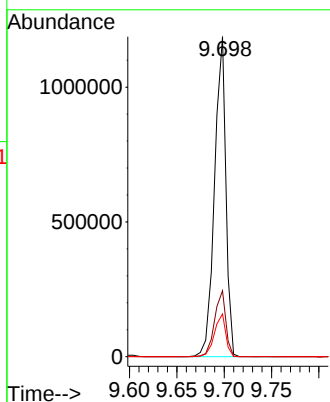
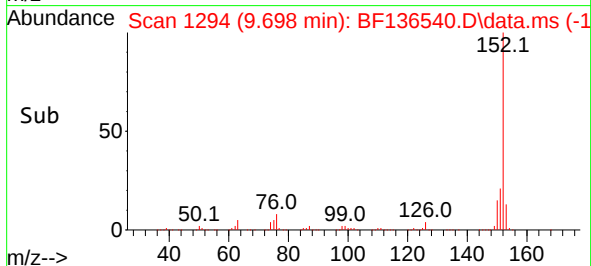
Tgt Ion:152 Resp: 985014  
Ion Ratio Lower Upper  
152 100  
151 20.6 17.2 25.8  
153 13.4 10.6 15.8

Manual Integrations

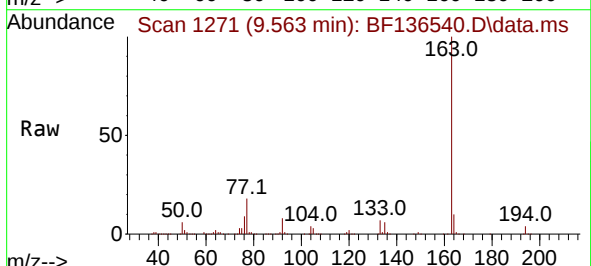
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

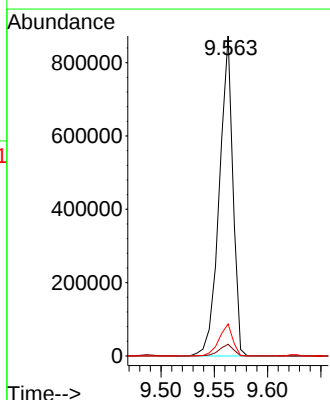
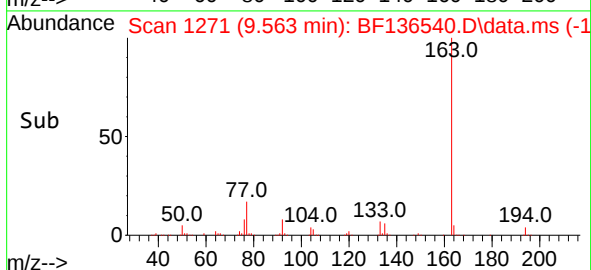
Supervised By :mohammad ahmed 12/14/2023

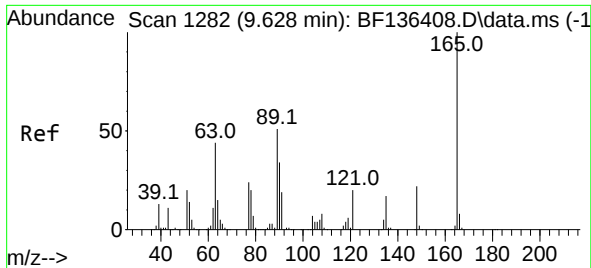


#50  
Dimethylphthalate  
Concen: 39.842 ng  
RT: 9.563 min Scan# 1271  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:163 Resp: 771257  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.6  
164 10.0 7.4 11.2





#51  
2,6-Dinitrotoluene  
Concen: 38.636 ng  
RT: 9.628 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

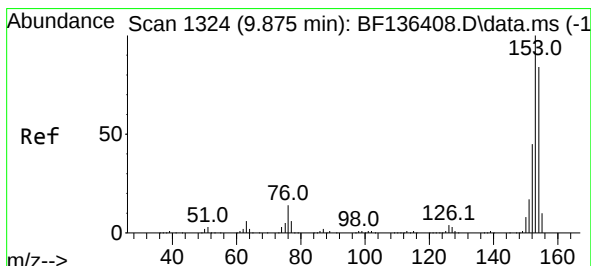
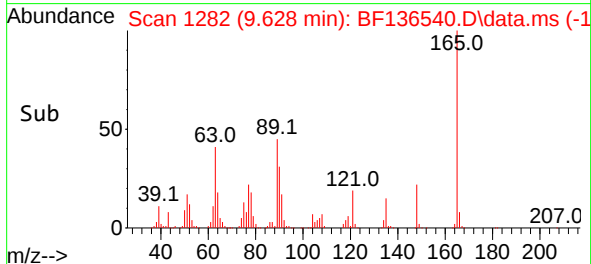
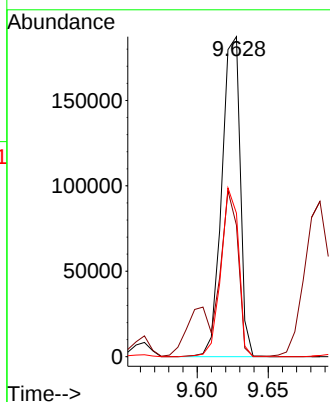
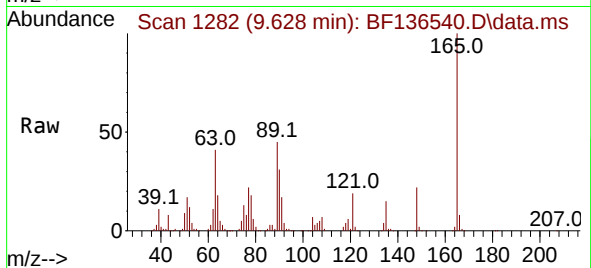
ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 16826  
Ion Ratio Lower Upper  
165 100  
63 41.1 40.4 60.6  
89 44.9 40.6 60.8

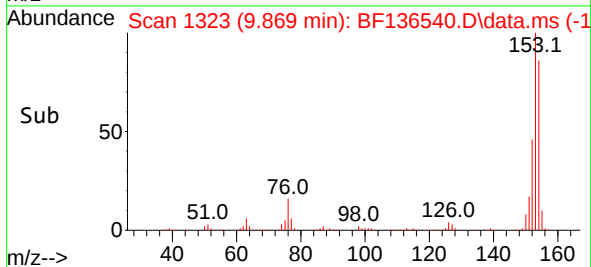
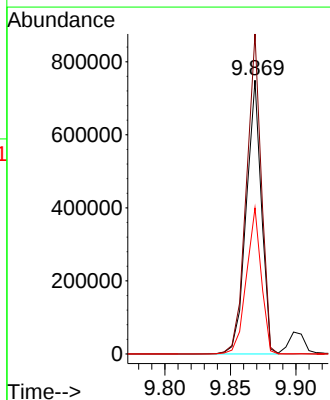
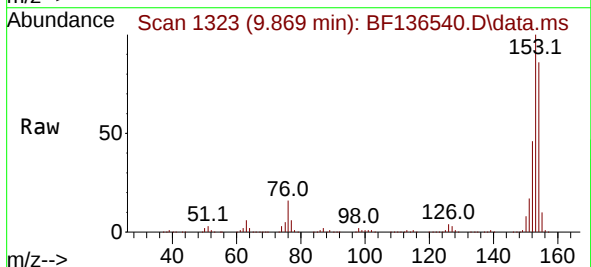
Manual Integrations  
APPROVED

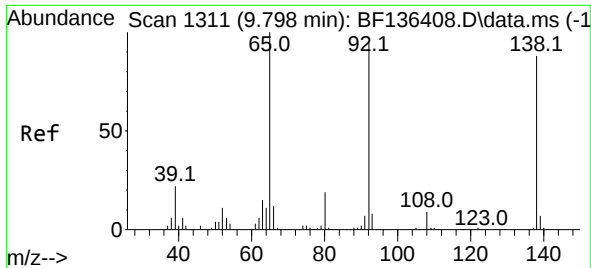
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#52  
Acenaphthene  
Concen: 37.917 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:154 Resp: 602717  
Ion Ratio Lower Upper  
154 100  
153 116.9 95.3 142.9  
152 53.4 43.2 64.8





#53  
3-Nitroaniline  
Concen: 39.695 ng  
RT: 9.792 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

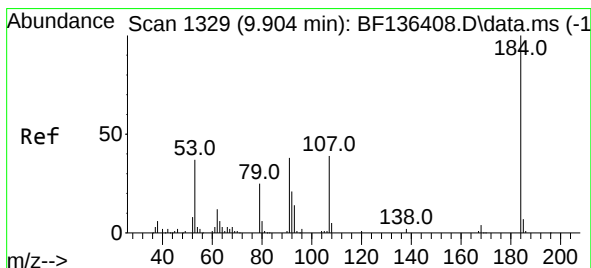
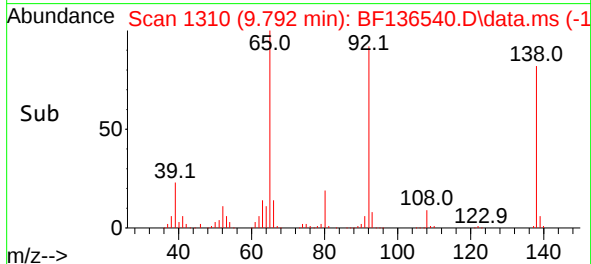
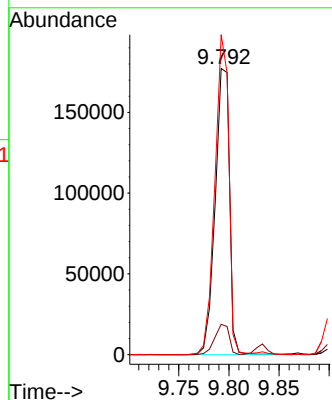
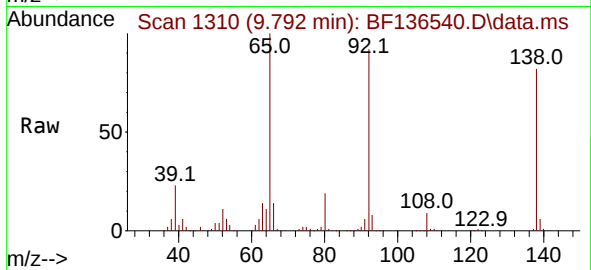
ClientSampleId :

SSTDCCC040

Tgt Ion:138 Resp: 176532  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.5 12.7  
92 111.8 86.1 129.1

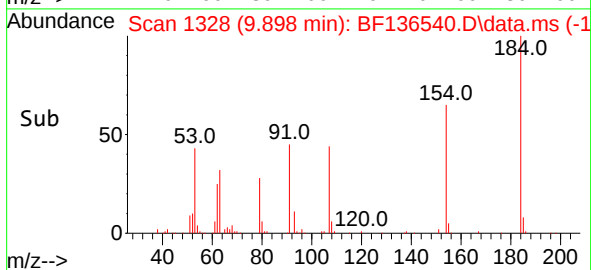
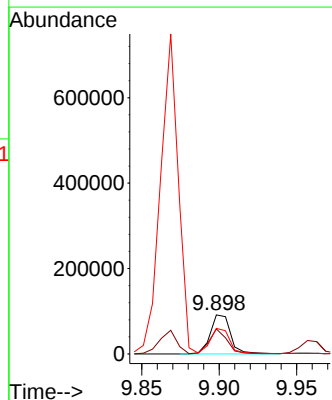
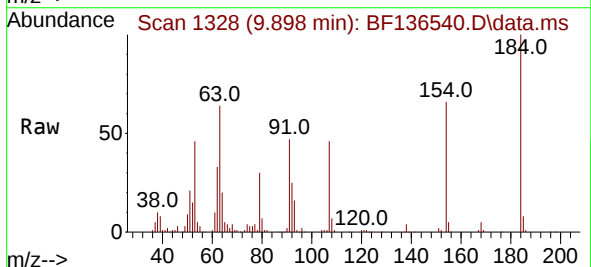
Manual Integrations  
APPROVED

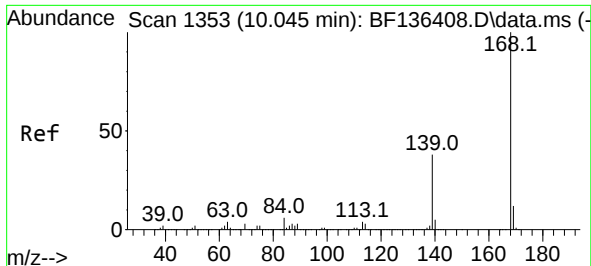
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#54  
2,4-Dinitrophenol  
Concen: 37.940 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

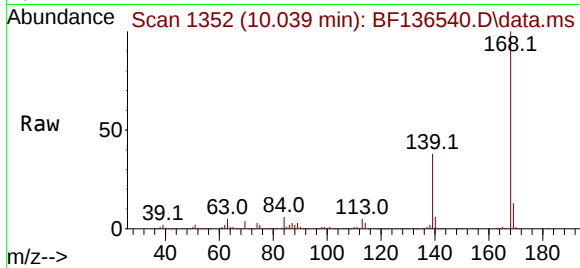
Tgt Ion:184 Resp: 83539  
Ion Ratio Lower Upper  
184 100  
63 64.2 39.1 58.7#  
154 65.8 49.9 74.9





#55  
Dibenzenofuran  
Concen: 39.040 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

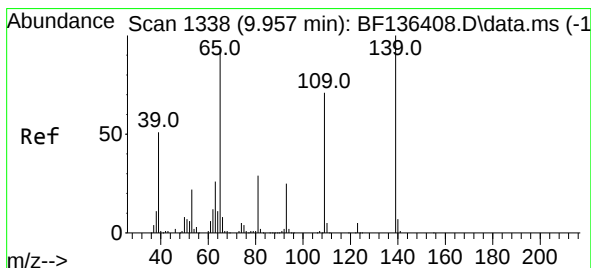
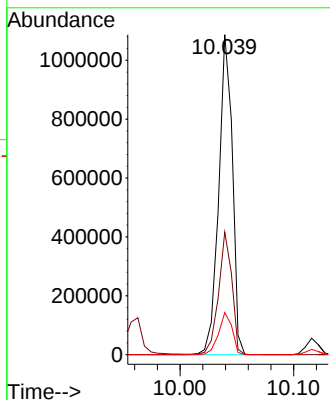
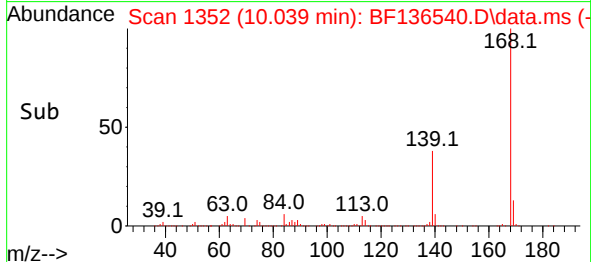
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:168 Resp: 906564  
Ion Ratio Lower Upper  
168 100  
139 38.4 30.4 45.6  
169 13.1 9.9 14.9

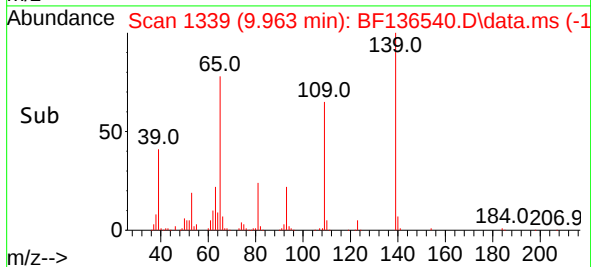
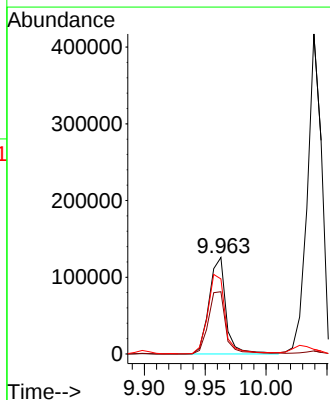
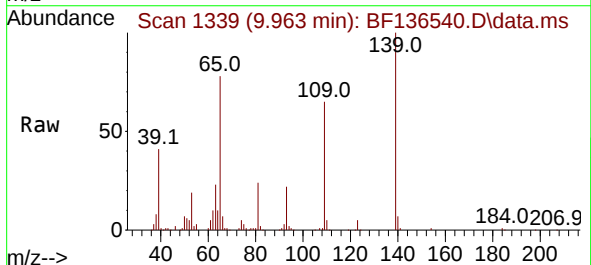
Manual Integrations  
APPROVED

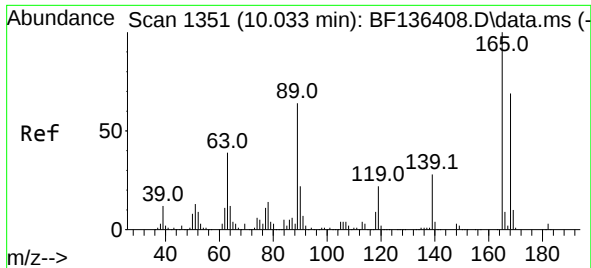
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#56  
4-Nitrophenol  
Concen: 36.593 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Tgt Ion:139 Resp: 121995  
Ion Ratio Lower Upper  
139 100  
109 64.5 50.6 90.6  
65 77.8 73.1 113.1





#57  
2,4-Dinitrotoluene  
Concen: 37.792 ng  
RT: 10.028 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

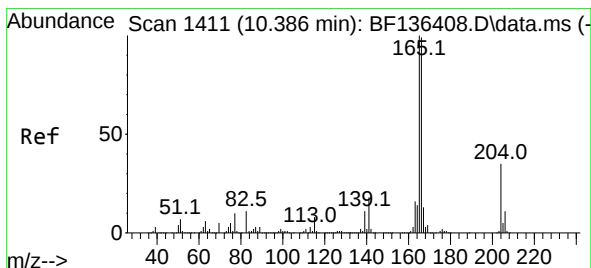
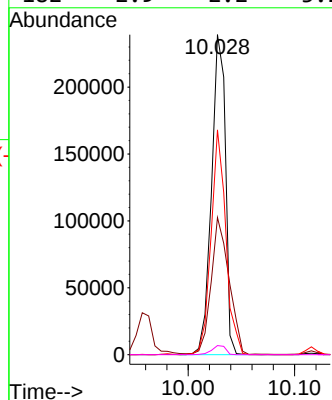
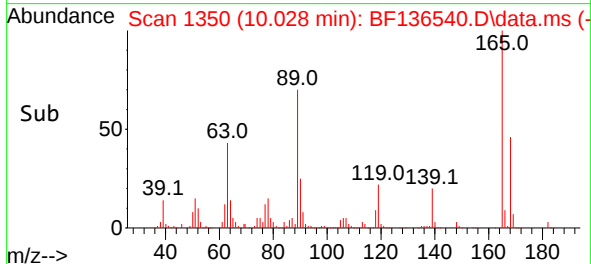
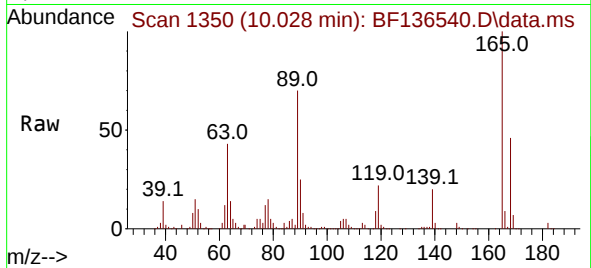
SSTDCCC040

Tgt Ion:165 Resp: 217720  
Ion Ratio Lower Upper  
165 100  
63 42.8 31.4 47.2  
89 70.3 51.7 77.5  
182 2.9 2.2 3.2

Manual Integrations

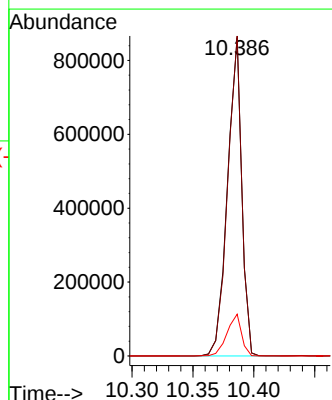
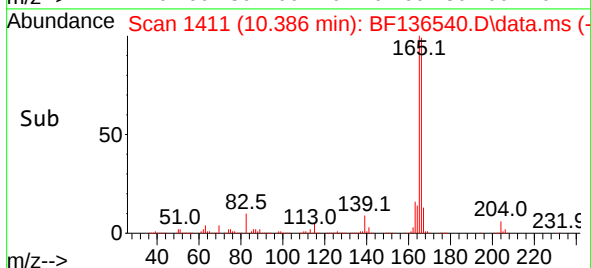
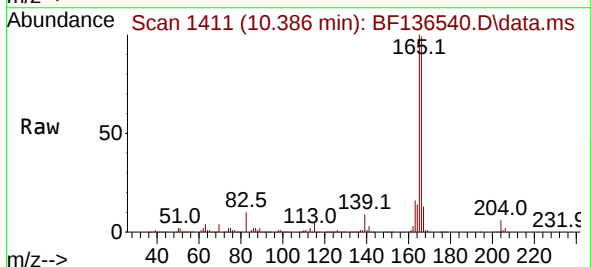
APPROVED

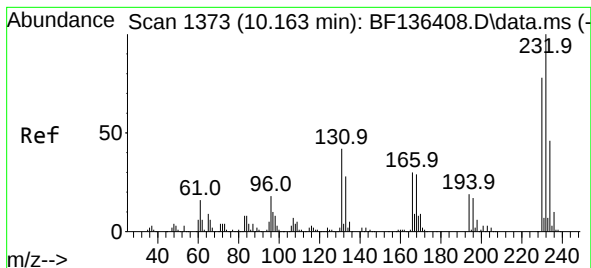
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#58  
Fluorene  
Concen: 37.719 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

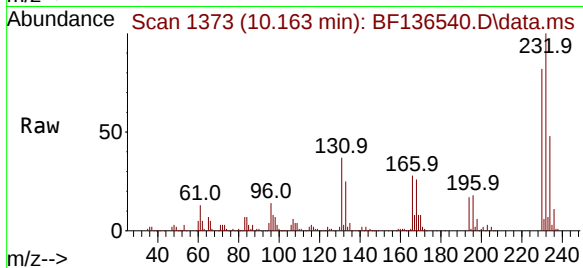
Tgt Ion:166 Resp: 703107  
Ion Ratio Lower Upper  
166 100  
165 100.5 80.5 120.7  
167 13.1 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.436 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

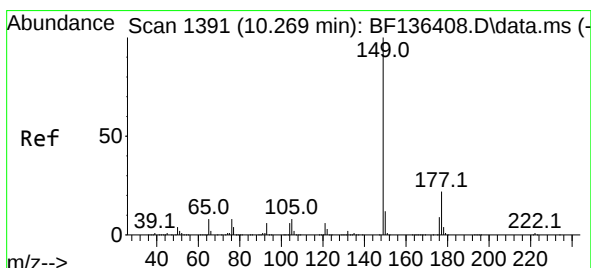
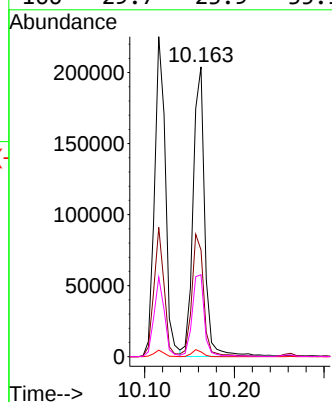
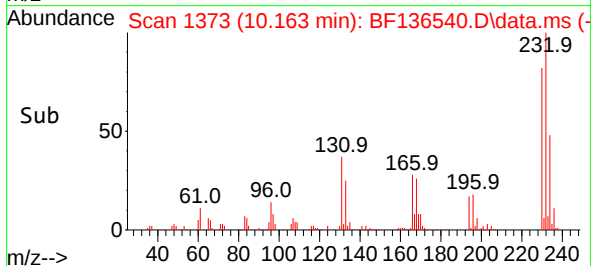
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



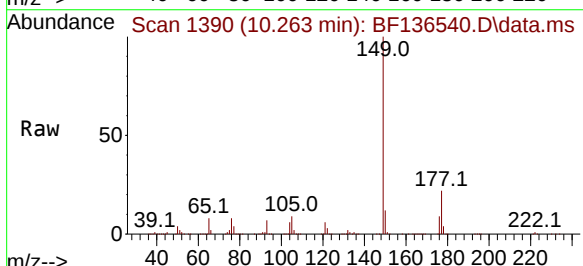
Tgt Ion:232 Resp: 183024  
Ion Ratio Lower Upper  
232 100  
131 42.9 34.3 51.5  
130 2.2 1.6 2.4  
166 29.7 23.9 35.9

Manual Integrations  
APPROVED

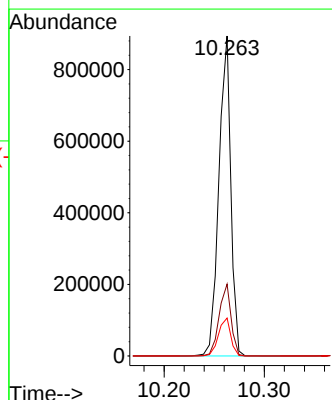
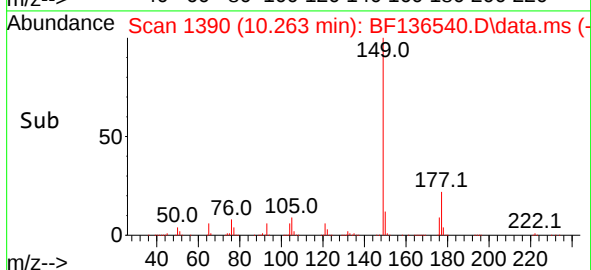
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

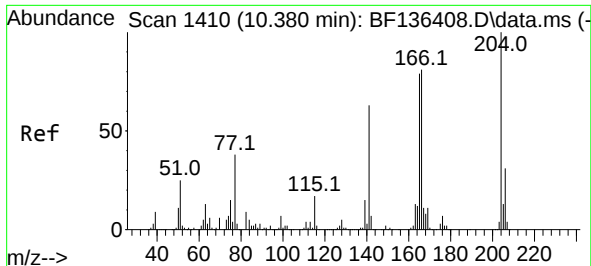


#60  
Diethylphthalate  
Concen: 38.740 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



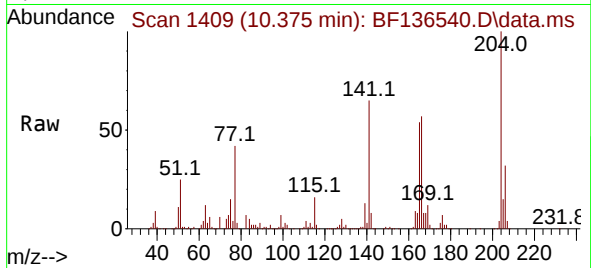
Tgt Ion:149 Resp: 737415  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.8 26.8  
150 11.9 9.4 14.0





#61  
4-Chlorophenyl-phenylether  
Concen: 39.336 ng  
RT: 10.375 min Scan# 1410  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

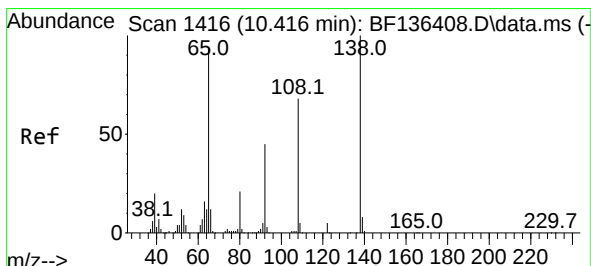
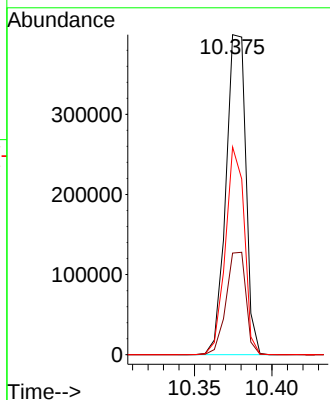
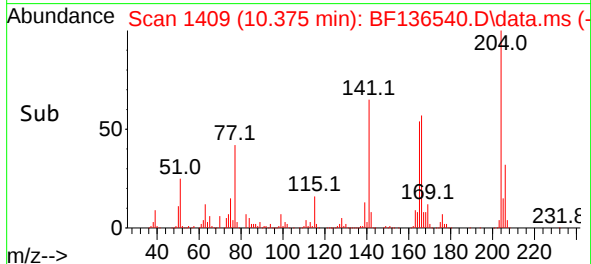
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



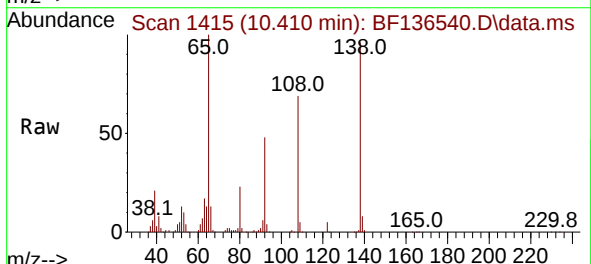
Tgt Ion:204 Resp: 35745  
Ion Ratio Lower Upper  
204 100  
206 31.8 24.6 36.8  
141 64.9 50.3 75.5

Manual Integrations  
APPROVED

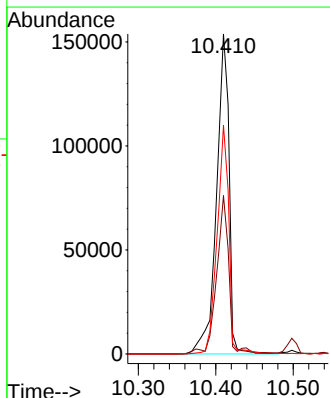
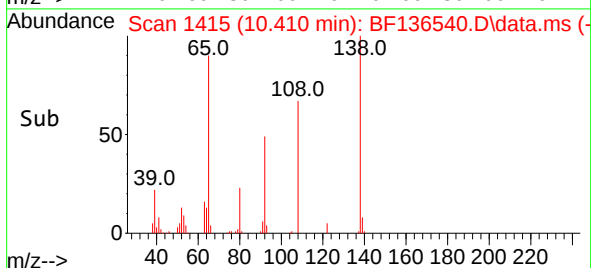
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

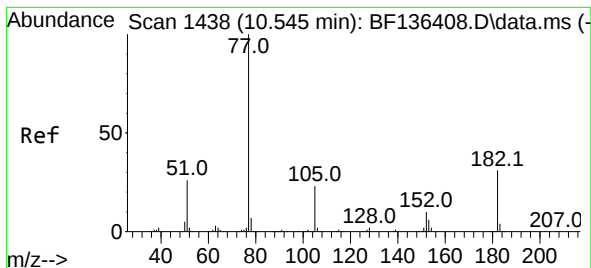


#62  
4-Nitroaniline  
Concen: 39.167 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:138 Resp: 172955  
Ion Ratio Lower Upper  
138 100  
92 49.5 25.0 65.0  
108 71.5 47.9 87.9





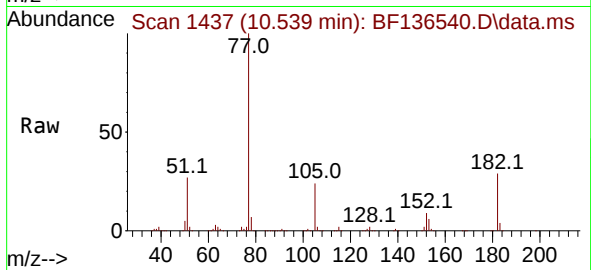
#63  
Azobenzene  
Concen: 37.679 ng  
RT: 10.539 min Scan# 1438  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

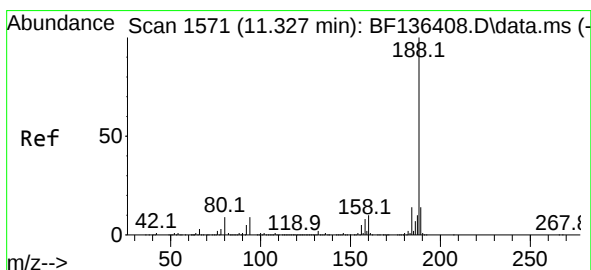
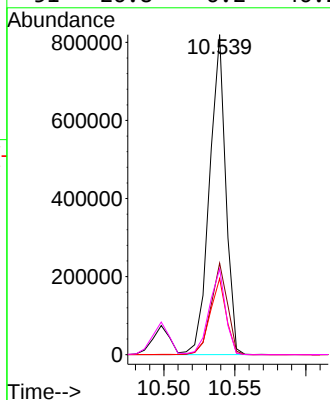
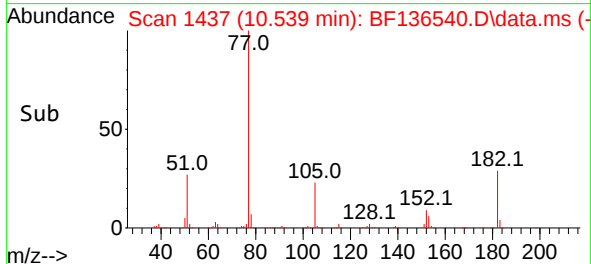


Tgt Ion: 77 Resp: 65282  
Ion Ratio Lower Upper  
77 100  
182 28.6 10.8 50.8  
105 23.8 2.6 42.6  
51 26.8 6.2 46.2

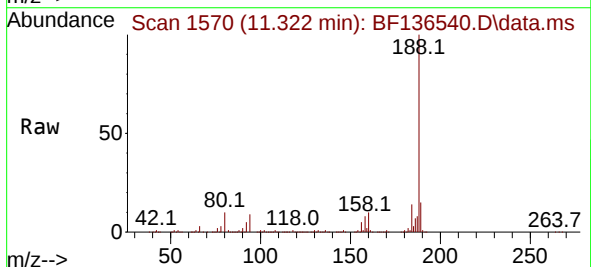
Manual Integrations

APPROVED

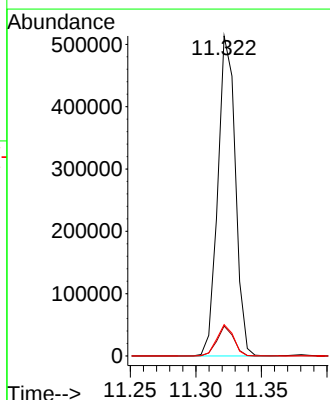
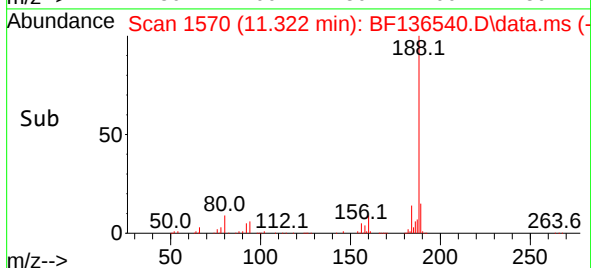
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

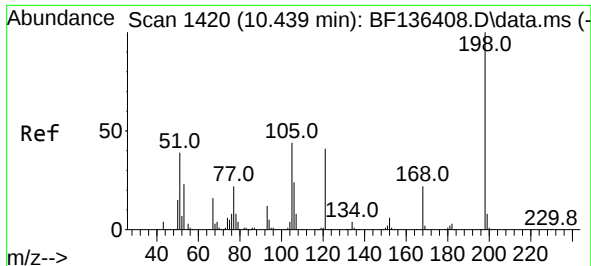


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.322 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:188 Resp: 477188  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.2 10.8  
80 9.8 7.2 10.8





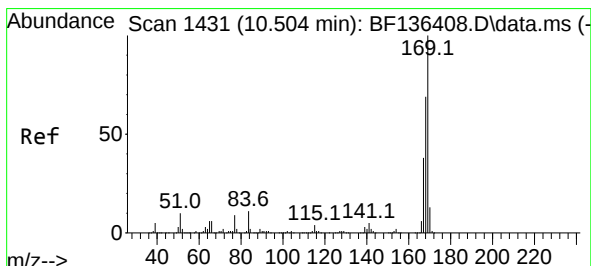
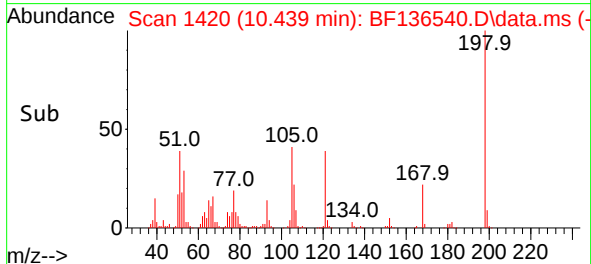
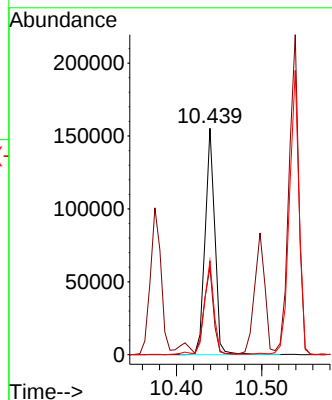
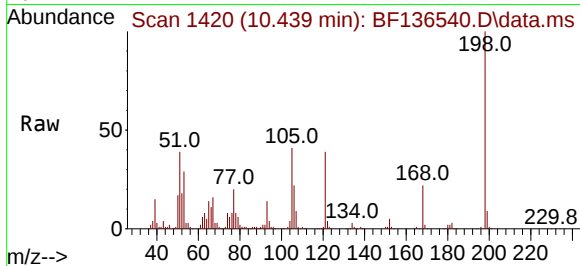
#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.593 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

Tgt Ion:198 Resp: 122918  
Ion Ratio Lower Upper  
198 100  
51 38.6 24.1 64.1  
105 41.4 24.8 64.8

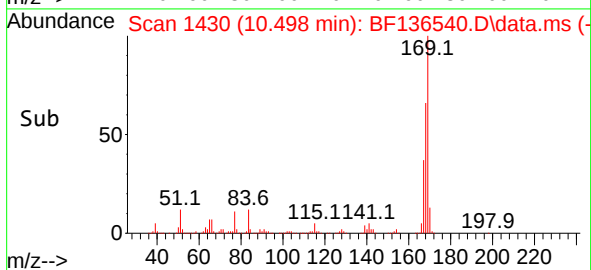
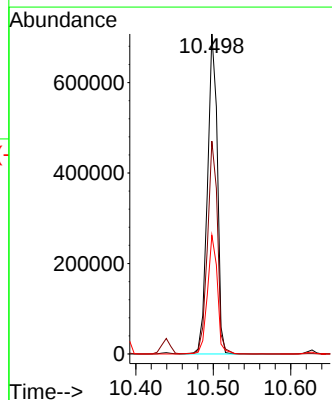
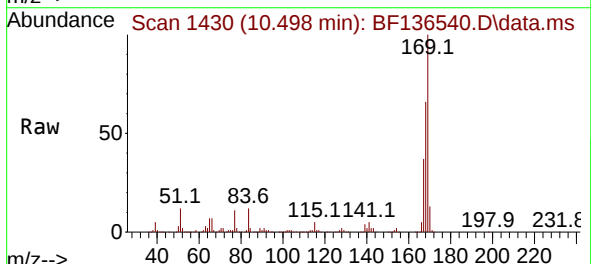
Manual Integrations  
APPROVED

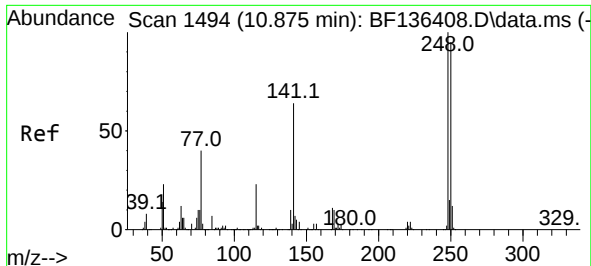
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.831 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

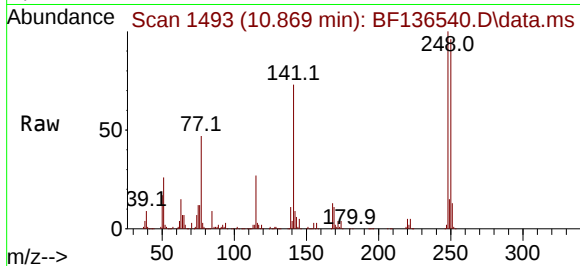
Tgt Ion:169 Resp: 625198  
Ion Ratio Lower Upper  
169 100  
168 66.5 55.3 82.9  
167 37.1 30.1 45.1





#67  
4-Bromophenyl-phenylether  
Concen: 40.686 ng  
RT: 10.869 min Scan# 1494  
Delta R.T. -0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

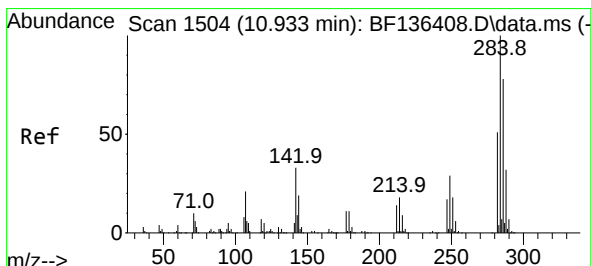
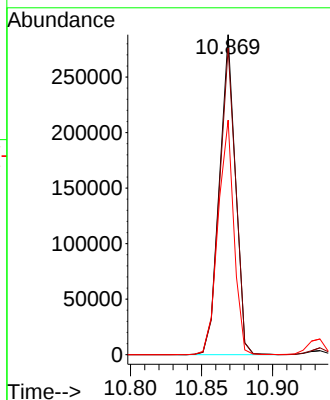
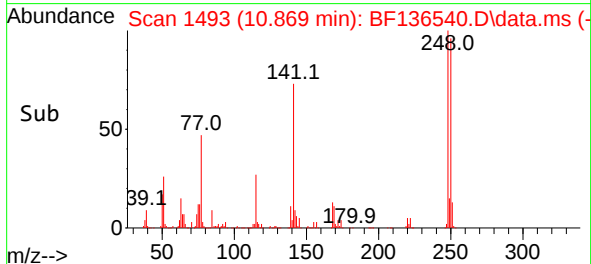
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



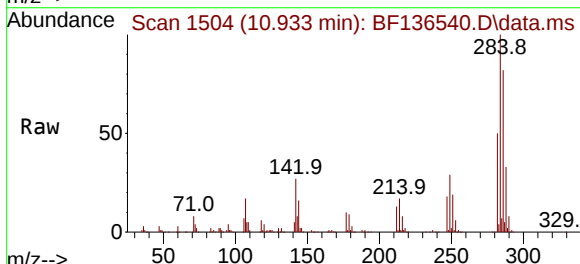
Tgt Ion:248 Resp: 225730  
Ion Ratio Lower Upper  
248 100  
250 95.8 76.2 114.2  
141 73.3 51.0 76.4

Manual Integrations  
APPROVED

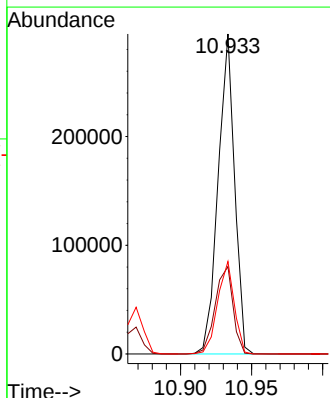
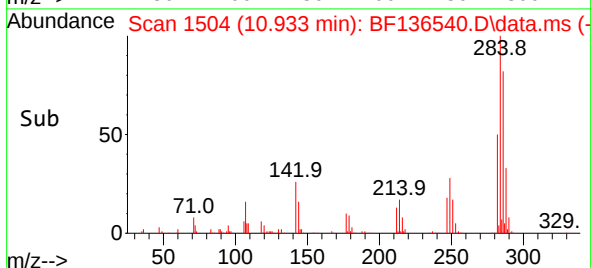
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

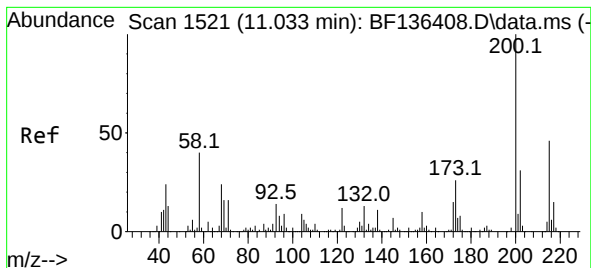


#68  
Hexachlorobenzene  
Concen: 36.964 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:284 Resp: 237024  
Ion Ratio Lower Upper  
284 100  
142 27.3 26.5 39.7  
249 28.9 23.4 35.0





#69

Atrazine

Concen: 37.346 ng

RT: 11.027 min Scan# 1520

Delta R.T. -0.006 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:200 Resp: 16321

Ion Ratio Lower Upper

200 100

173 27.2 6.0 46.0

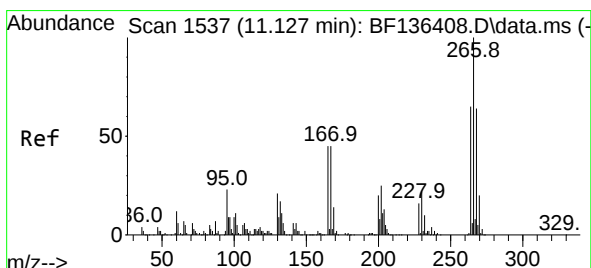
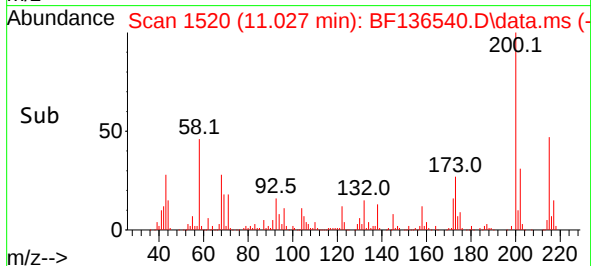
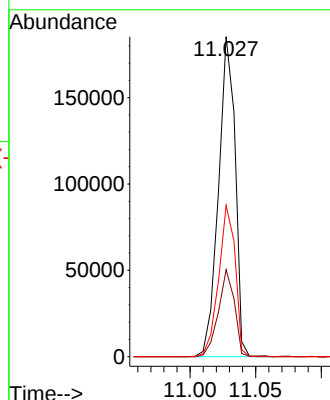
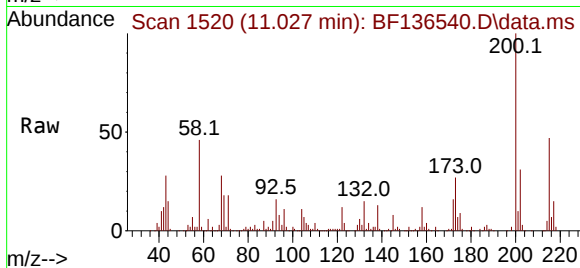
215 47.2 25.5 65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#70

Pentachlorophenol

Concen: 35.897 ng

RT: 11.127 min Scan# 1537

Delta R.T. -0.000 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

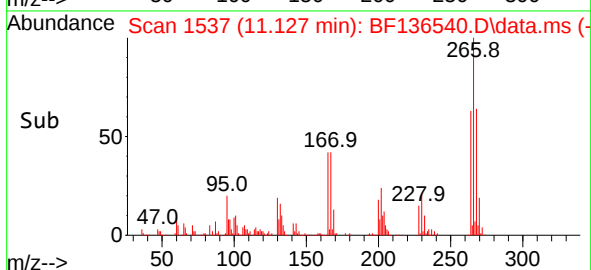
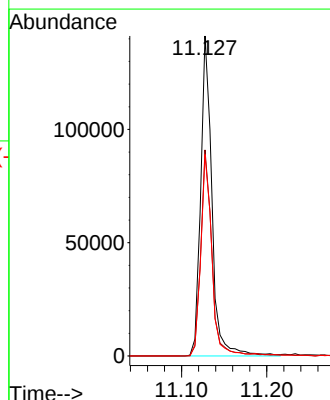
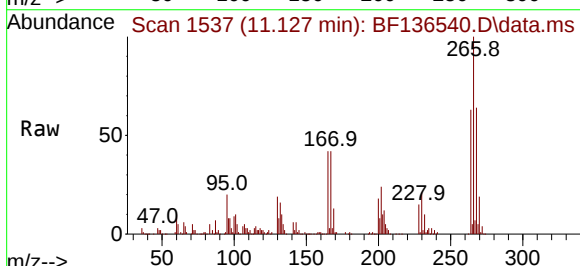
Tgt Ion:266 Resp: 129913

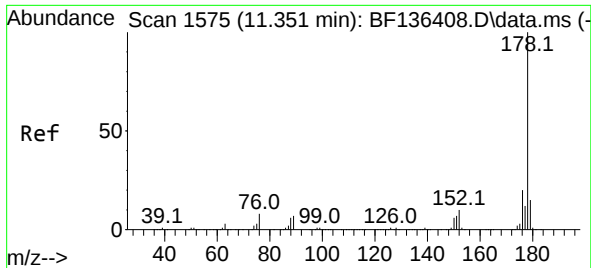
Ion Ratio Lower Upper

266 100

268 64.4 51.0 76.6

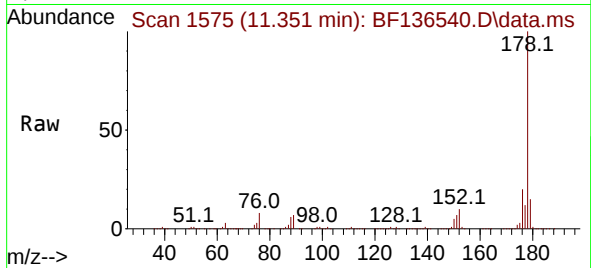
264 63.0 52.2 78.4





#71  
Phenanthrene  
Concen: 39.015 ng  
RT: 11.351 min Scan# 1575  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

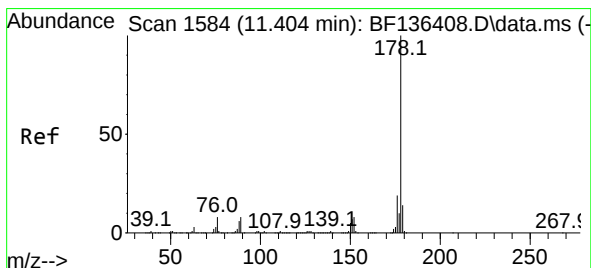
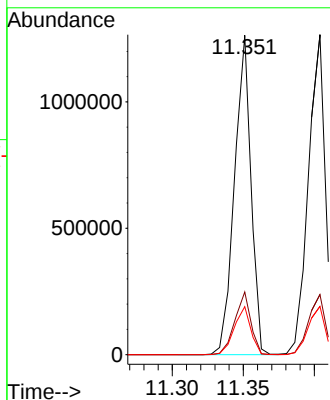
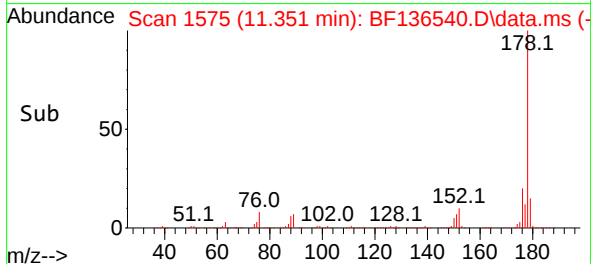
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



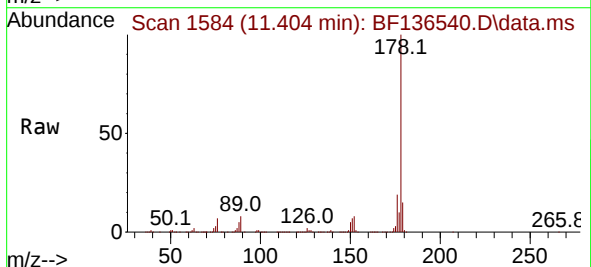
Tgt Ion:178 Resp: 1023289  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.9 23.9  
179 15.1 11.8 17.6

Manual Integrations  
APPROVED

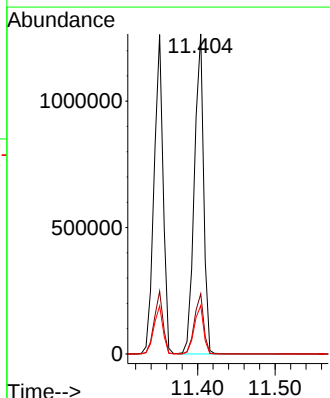
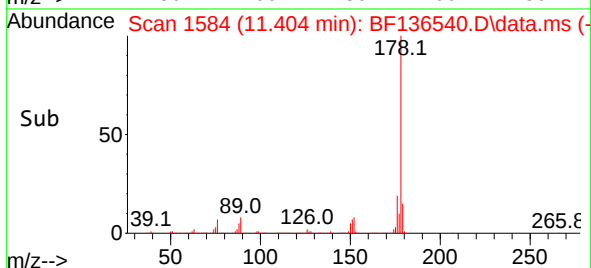
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

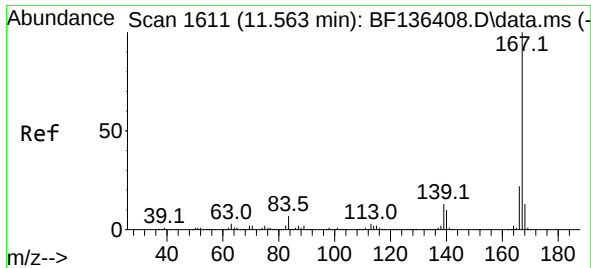


#72  
Anthracene  
Concen: 39.862 ng  
RT: 11.404 min Scan# 1584  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



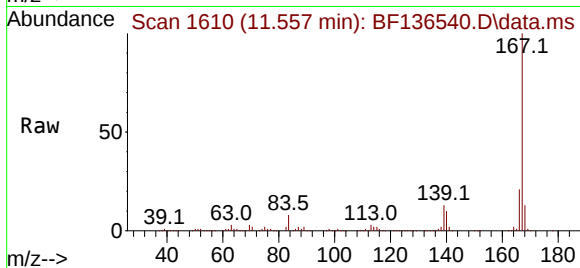
Tgt Ion:178 Resp: 1053057  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.1 11.4 17.0





#73  
 Carbazole  
 Concen: 36.756 ng  
 RT: 11.557 min Scan# 1610  
 Delta R.T. -0.006 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30

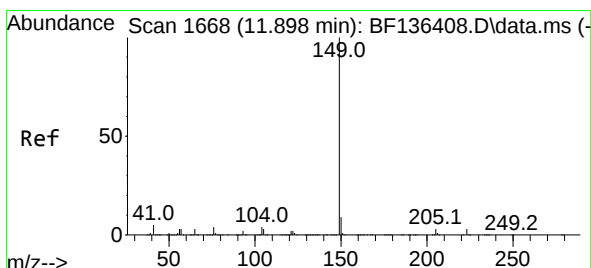
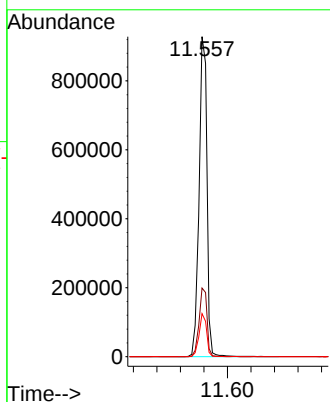
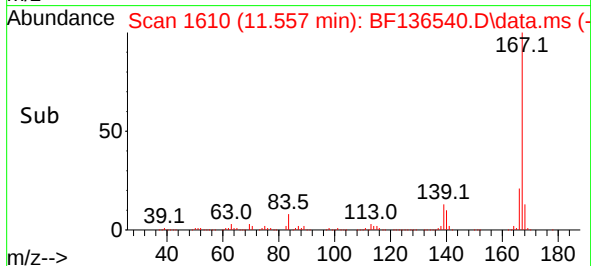
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040



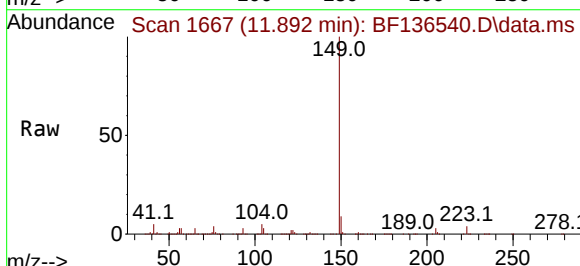
Tgt Ion:167 Resp: 859410  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 18.0 27.0  
 139 13.5 10.2 15.4

Manual Integrations  
 APPROVED

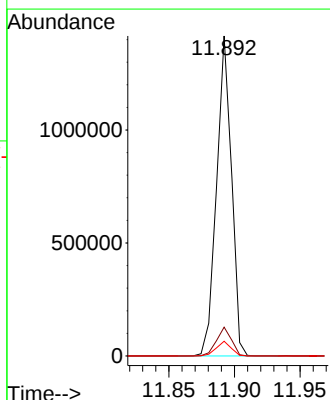
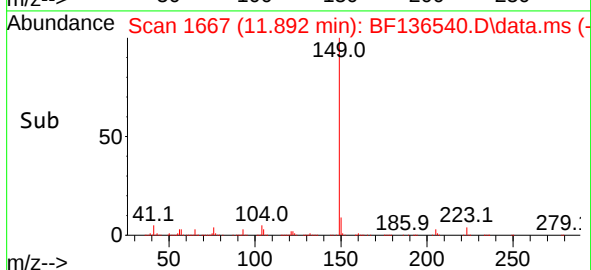
Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

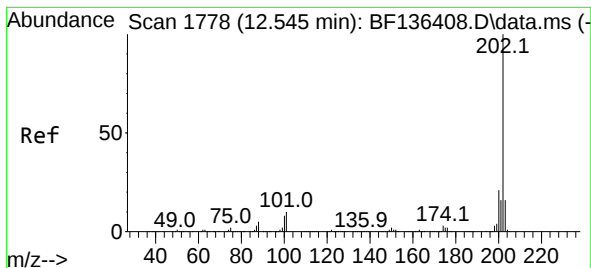


#74  
 Di-n-butylphthalate  
 Concen: 38.955 ng  
 RT: 11.892 min Scan# 1667  
 Delta R.T. -0.006 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30



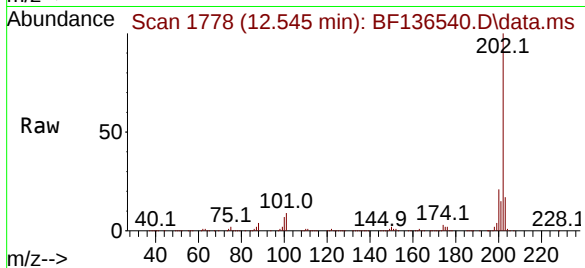
Tgt Ion:149 Resp: 1116601  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 6.9 10.3  
 104 4.6 3.5 5.3





#75  
Fluoranthene  
Concen: 35.299 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

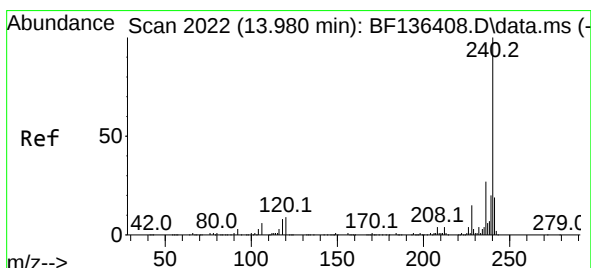
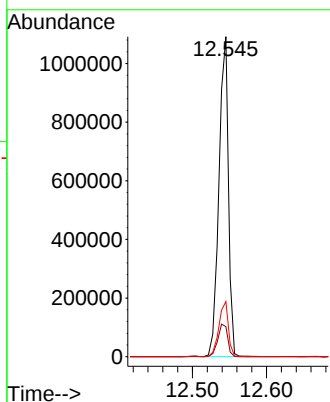
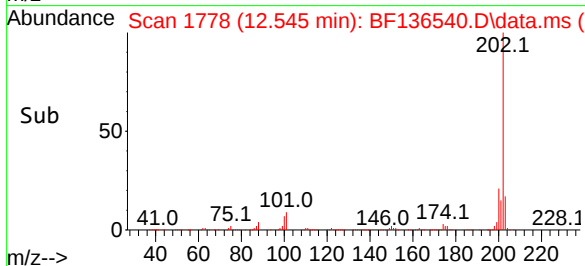
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



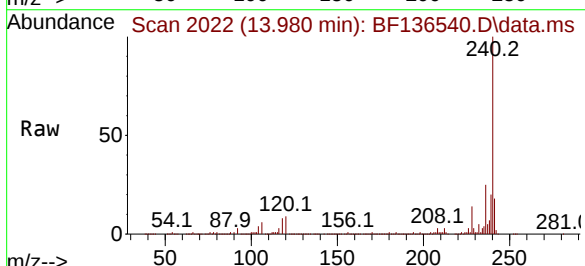
Tgt Ion:202 Resp: 970223  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 29.9  
203 17.2 0.0 36.3

Manual Integrations  
APPROVED

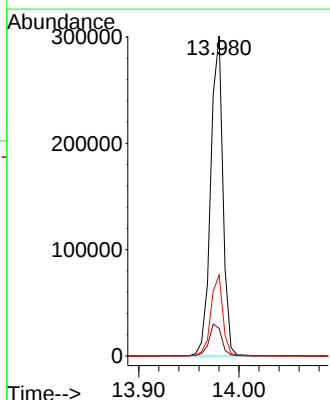
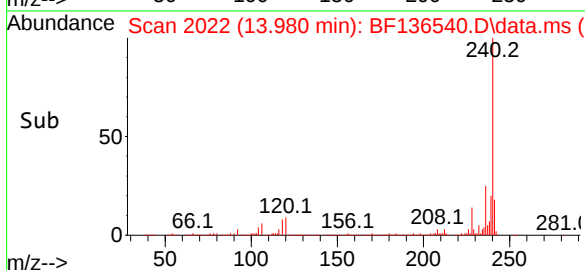
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

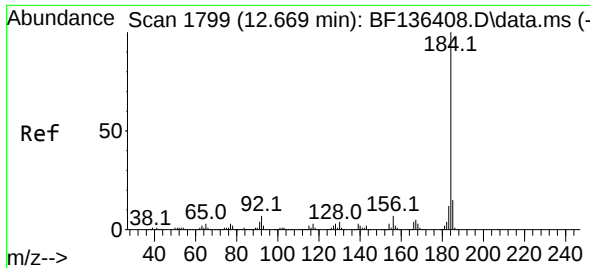


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



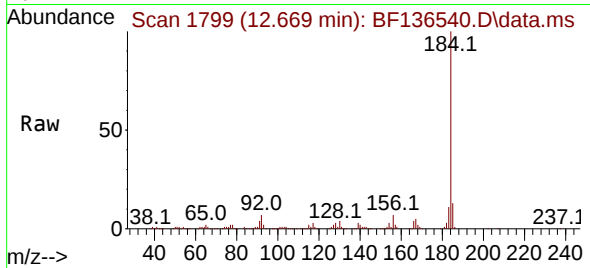
Tgt Ion:240 Resp: 255601  
Ion Ratio Lower Upper  
240 100  
120 8.6 7.3 10.9  
236 25.3 21.3 31.9





#77  
Benzidine  
Concen: 30.509 ng  
RT: 12.669 min Scan# 1799  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

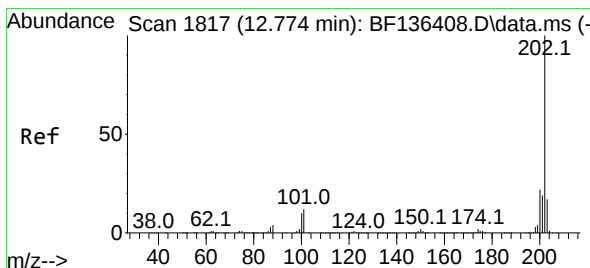
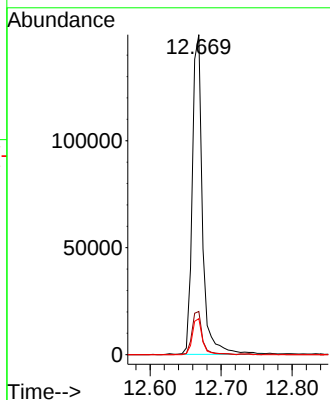
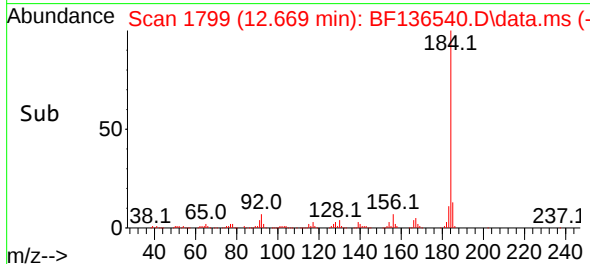
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



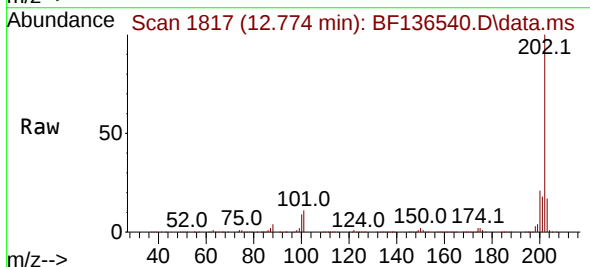
Tgt Ion:184 Resp: 14995  
Ion Ratio Lower Upper  
184 100  
185 13.5 12.0 18.0  
183 11.2 9.4 14.0

Manual Integrations  
APPROVED

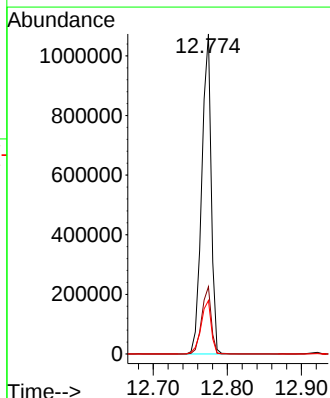
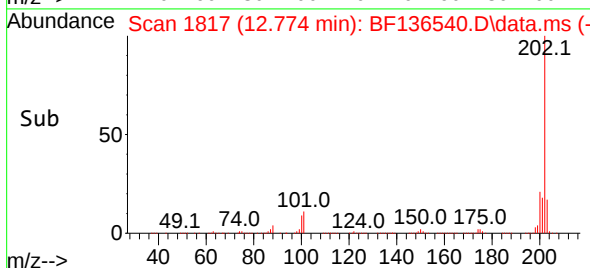
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

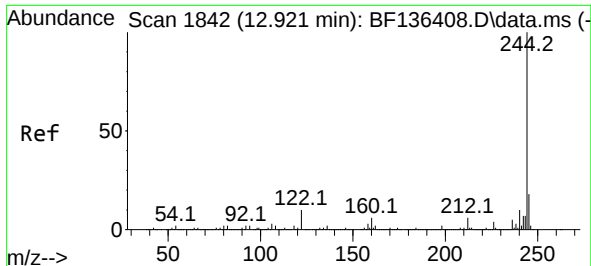


#78  
Pyrene  
Concen: 37.954 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:202 Resp: 950086  
Ion Ratio Lower Upper  
202 100  
200 21.0 18.0 27.0  
203 16.7 13.5 20.3





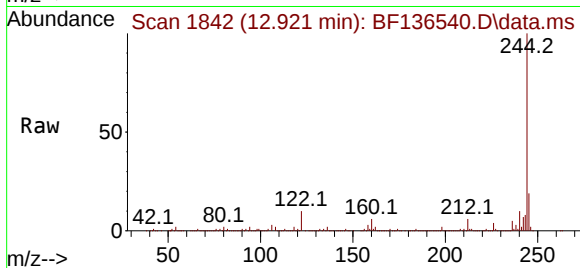
#79  
 Terphenyl-d14  
 Concen: 76.147 ng  
 RT: 12.921 min Scan# 1842  
 Delta R.T. -0.000 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040



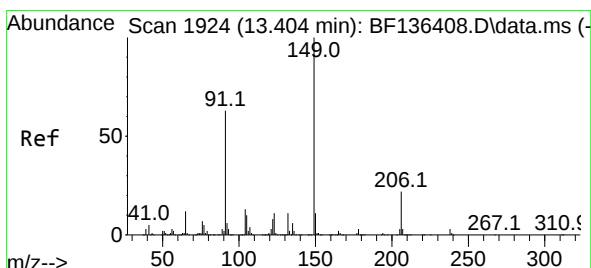
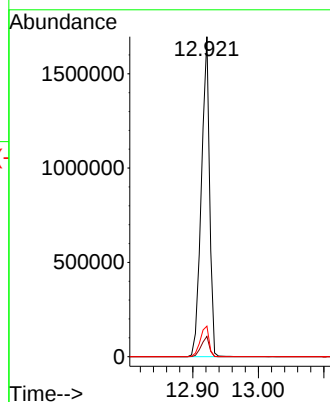
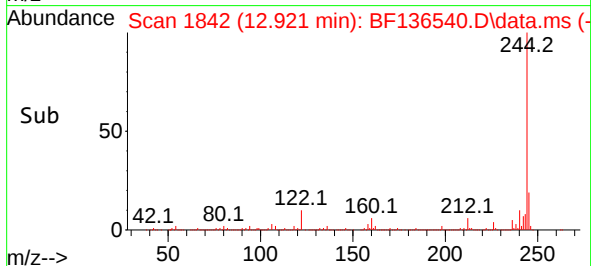
Tgt Ion:244 Resp: 147666  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.4  
 122 9.6 8.3 12.5

Manual Integrations

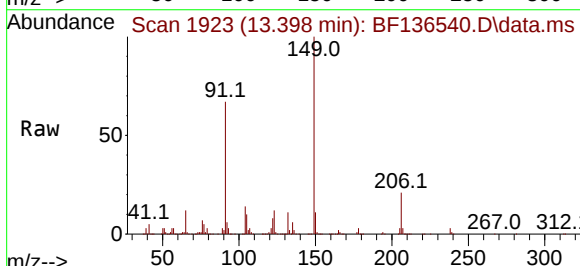
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

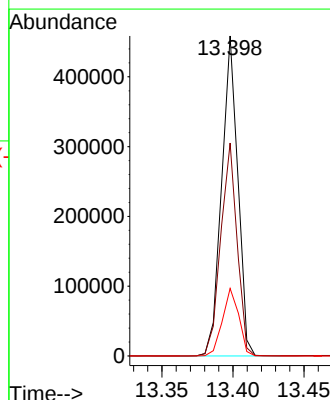
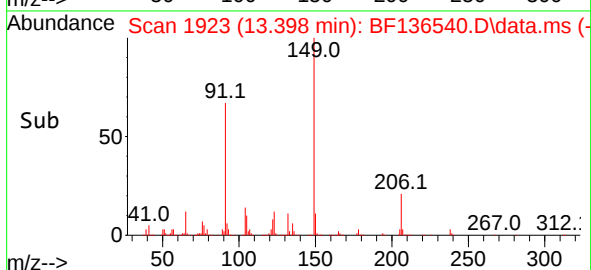
Supervised By :mohammad ahmed 12/14/2023

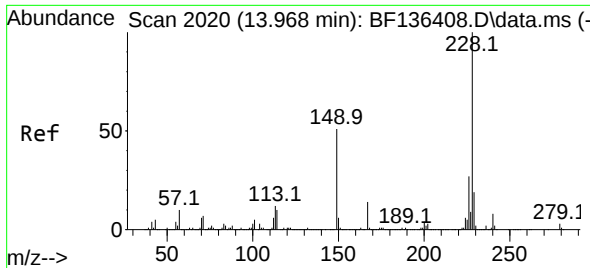


#80  
 Butylbenzylphthalate  
 Concen: 40.652 ng  
 RT: 13.398 min Scan# 1923  
 Delta R.T. -0.006 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30



Tgt Ion:149 Resp: 362259  
 Ion Ratio Lower Upper  
 149 100  
 91 66.6 50.5 75.7  
 206 21.1 17.4 26.2





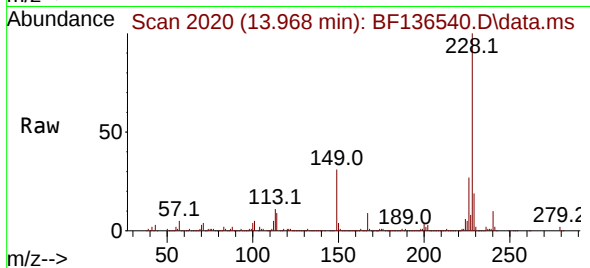
#81  
Benzo(a)anthracene  
Concen: 38.757 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

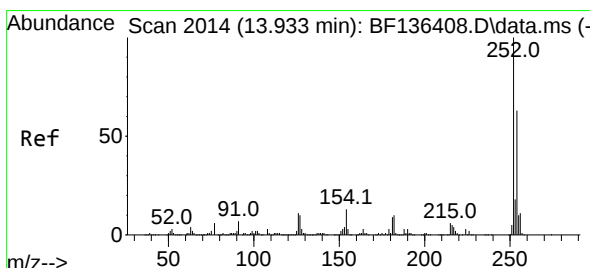
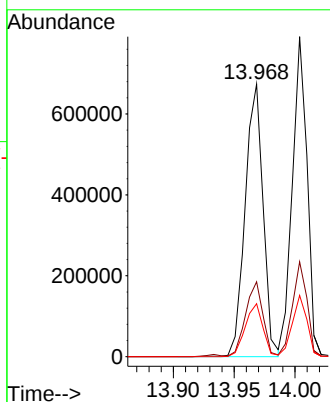
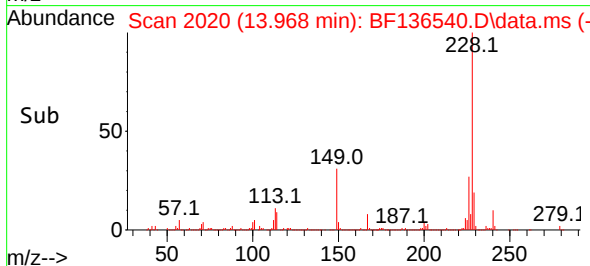


Tgt Ion:228 Resp: 690030  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.8 32.8  
229 19.4 15.0 22.4

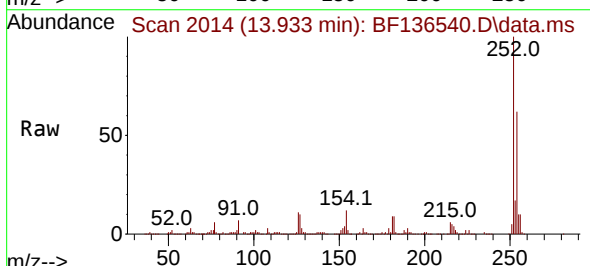
Manual Integrations

APPROVED

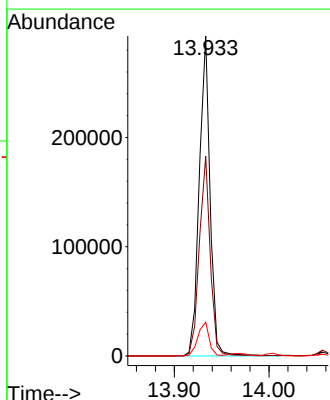
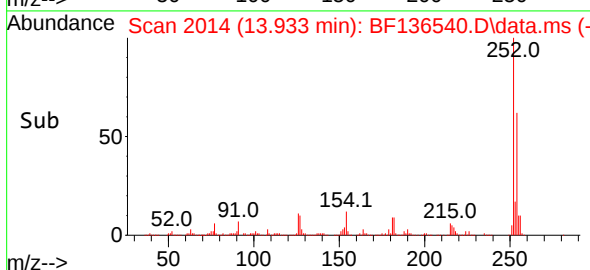
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

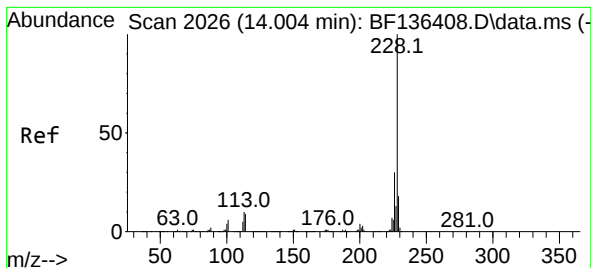


#82  
3,3'-Dichlorobenzidine  
Concen: 46.495 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:252 Resp: 232102  
Ion Ratio Lower Upper  
252 100  
254 62.4 50.8 76.2  
126 10.5 8.6 12.8





#83

Chrysene

Concen: 38.190 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 668960

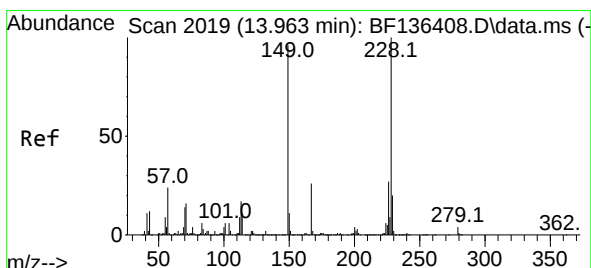
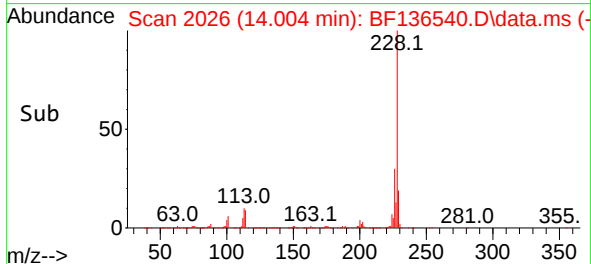
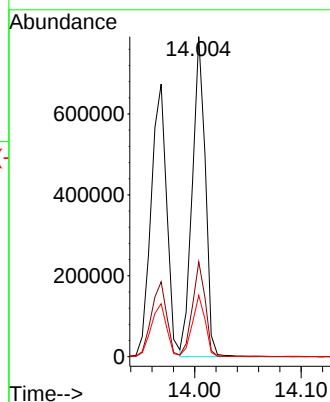
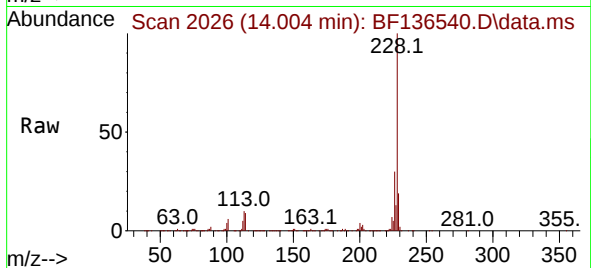
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.7  | 23.8  | 35.6  |
| 229 | 19.1  | 14.8  | 22.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.631 ng

RT: 13.963 min Scan# 2019

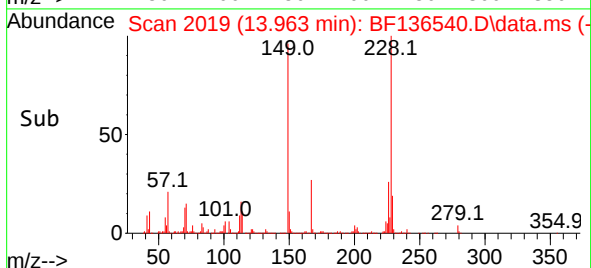
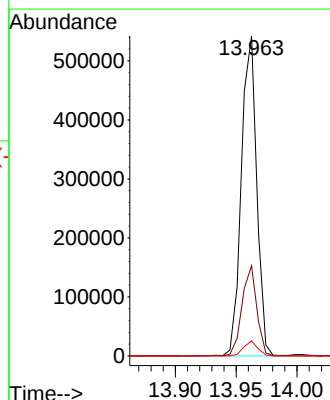
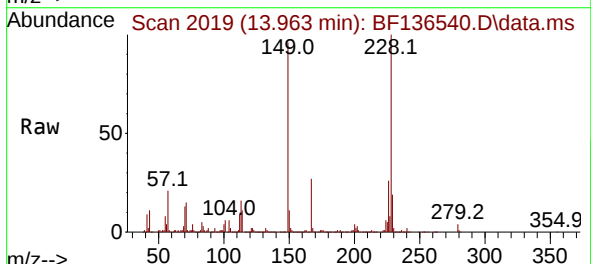
Delta R.T. 0.000 min

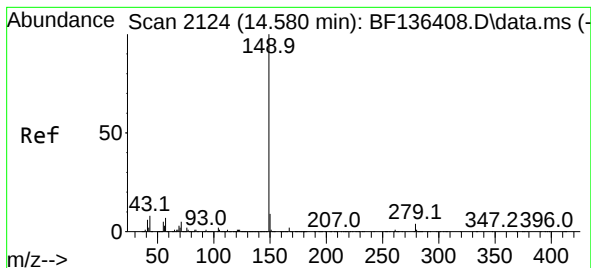
Lab File: BF136540.D

Acq: 13 Dec 2023 16:30

Tgt Ion:149 Resp: 476633

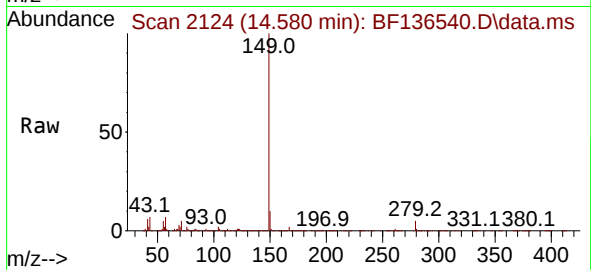
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.2  | 21.2  | 31.8  |
| 279 | 4.7   | 3.1   | 4.7#  |





#85  
Di-n-octyl phthalate  
Concen: 47.274 ng  
RT: 14.580 min Scan# 2124  
Delta R.T. -0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

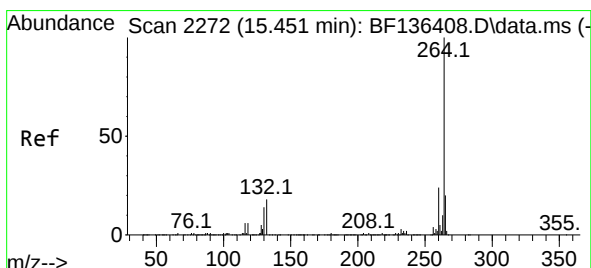
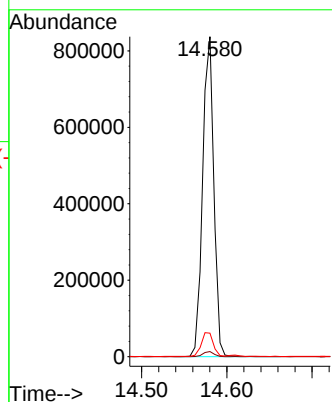
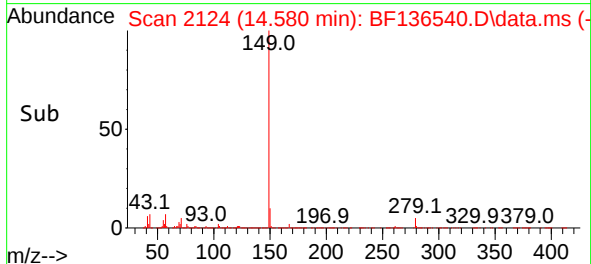
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



Tgt Ion:149 Resp: 762822  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.0 6.8 10.2

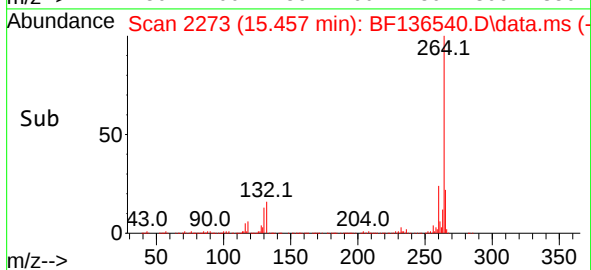
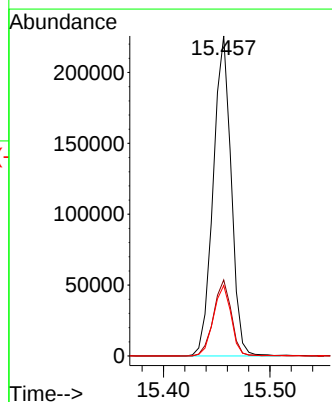
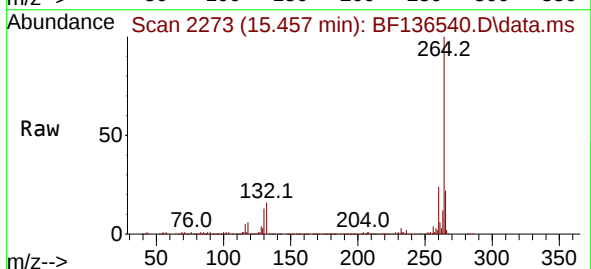
Manual Integrations  
APPROVED

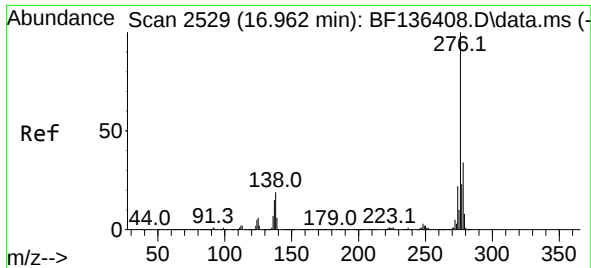
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2273  
Delta R.T. 0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

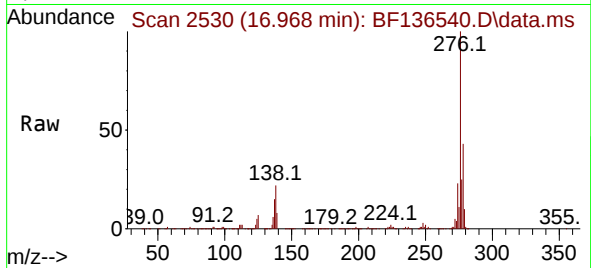
Tgt Ion:264 Resp: 263722  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.2 28.8  
265 22.0 15.9 23.9





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 42.415 ng  
 RT: 16.968 min Scan# 2199  
 Delta R.T. 0.006 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30

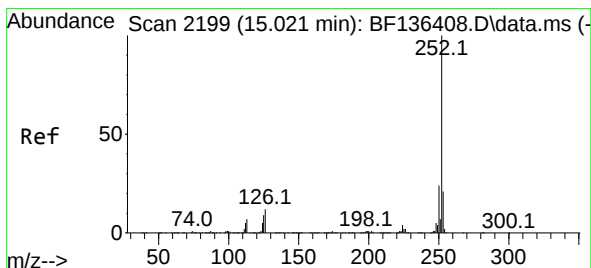
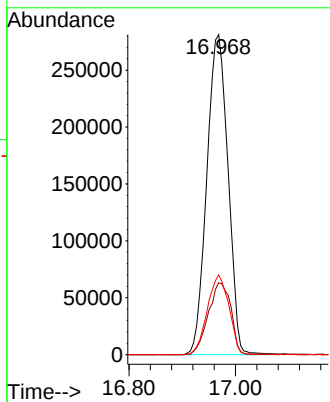
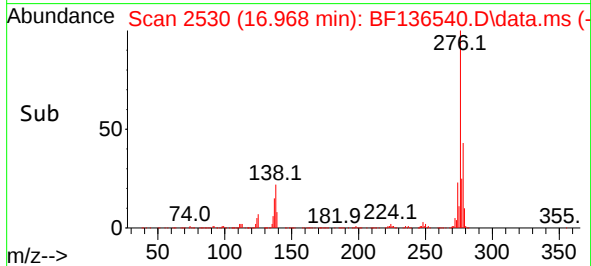
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040



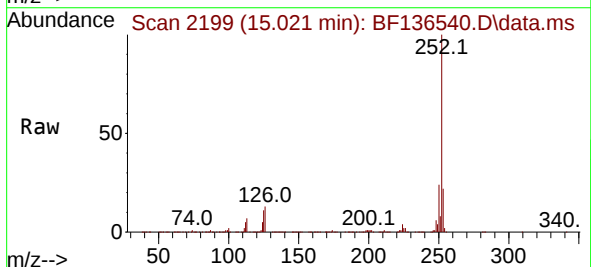
Tgt Ion:276 Resp: 77709  
 Ion Ratio Lower Upper  
 276 100  
 138 23.9 19.0 28.4  
 277 25.4 20.0 30.0

Manual Integrations  
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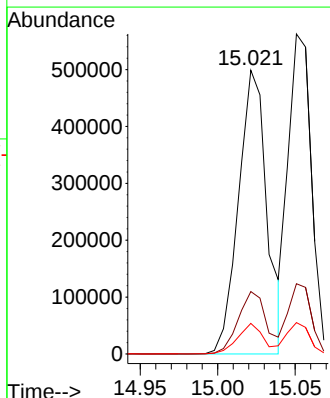
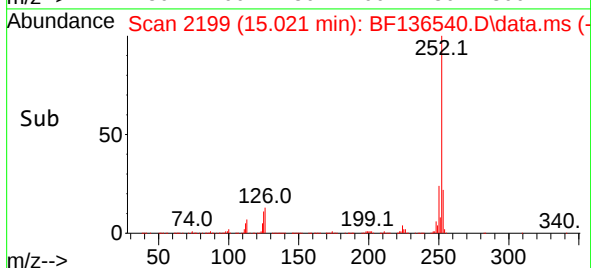
Reviewed By :Yogesh Patel 12/14/2023  
 Supervised By :mohammad ahmed 12/14/2023

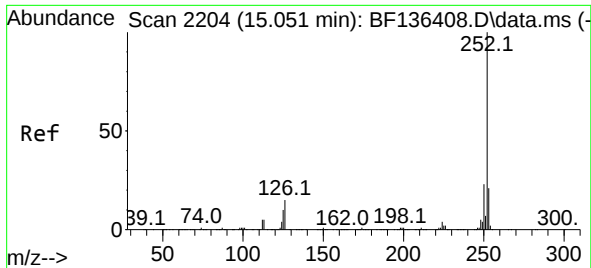


#88  
 Benzo(b)fluoranthene  
 Concen: 35.378 ng  
 RT: 15.021 min Scan# 2199  
 Delta R.T. -0.000 min  
 Lab File: BF136540.D  
 Acq: 13 Dec 2023 16:30



Tgt Ion:252 Resp: 637912  
 Ion Ratio Lower Upper  
 252 100  
 253 22.0 16.9 25.3  
 125 10.8 7.4 11.2





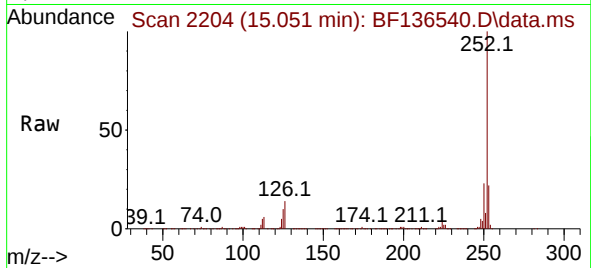
#89  
Benzo(k)fluoranthene  
Concen: 34.607 ng  
RT: 15.051 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

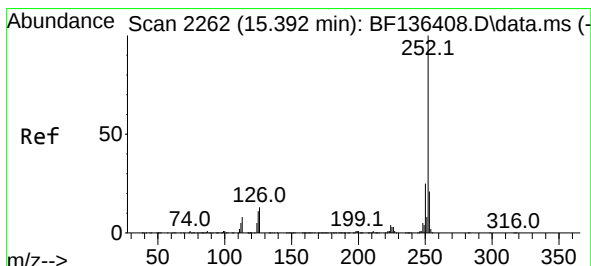
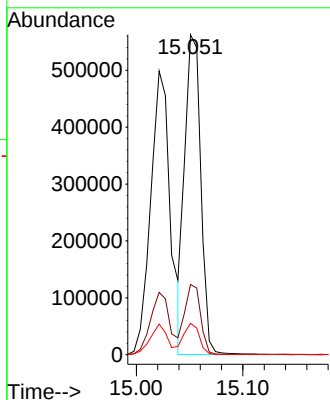
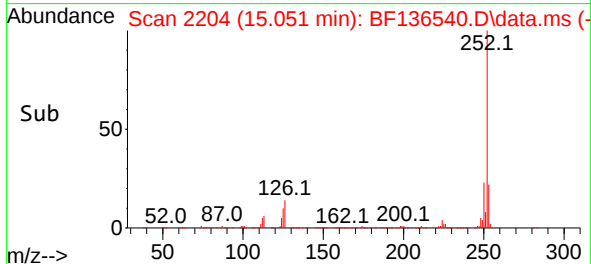


Tgt Ion:252 Resp: 58807  
Ion Ratio Lower Upper  
252 100  
253 22.0 16.9 25.3  
125 9.8 7.5 11.3

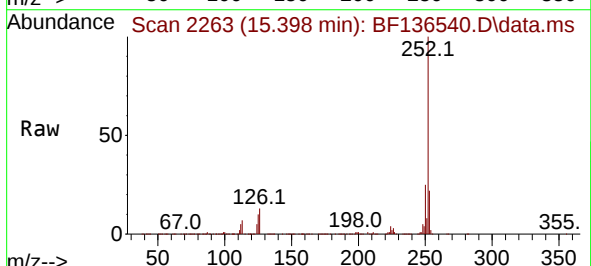
Manual Integrations

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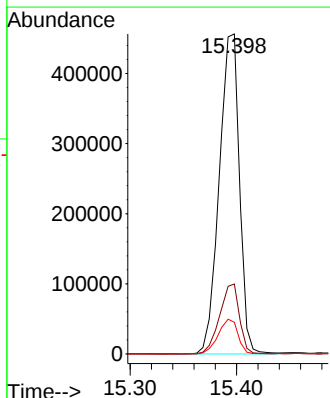
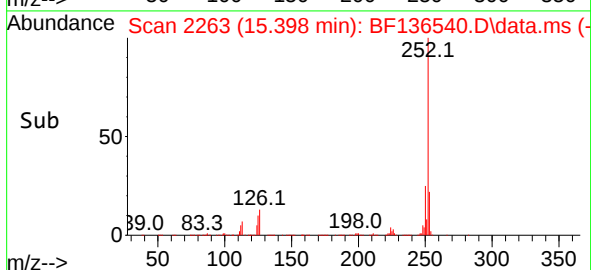
Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023

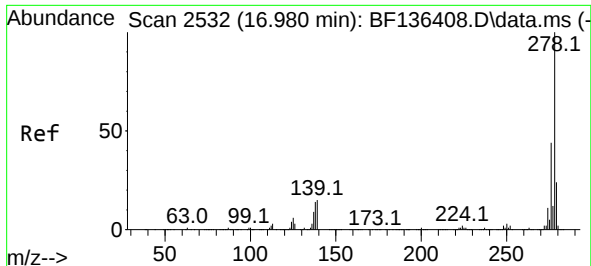


#90  
Benzo(a)pyrene  
Concen: 40.345 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



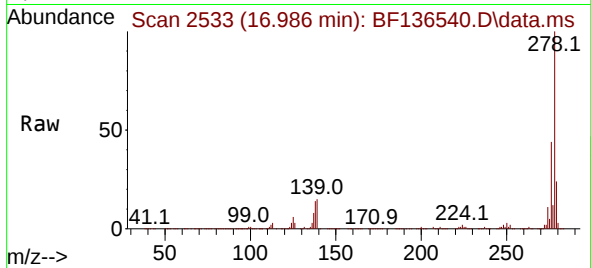
Tgt Ion:252 Resp: 600788  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.0 25.4  
125 9.9 8.6 13.0





#91  
Dibenzo(a,h)anthracene  
Concen: 43.430 ng  
RT: 16.986 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30

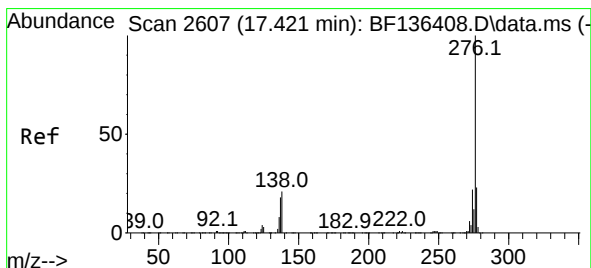
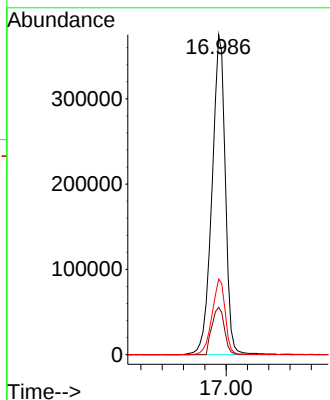
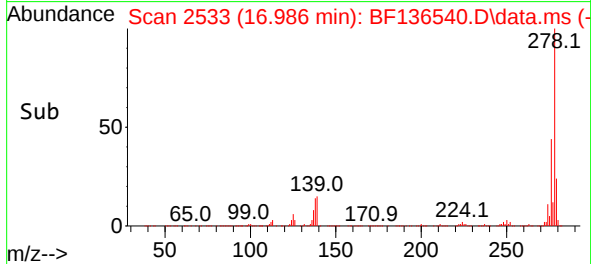
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040



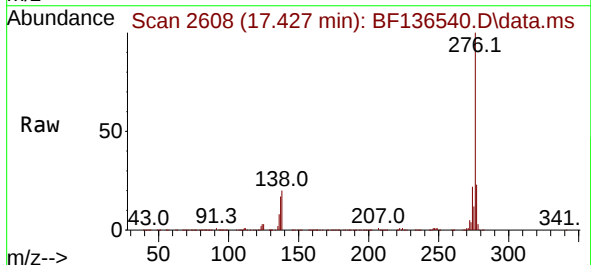
Tgt Ion:278 Resp: 651862  
Ion Ratio Lower Upper  
278 100  
139 14.8 12.2 18.4  
279 23.6 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/14/2023  
Supervised By :mohammad ahmed 12/14/2023



#92  
Benzo(g,h,i)perylene  
Concen: 42.308 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. 0.006 min  
Lab File: BF136540.D  
Acq: 13 Dec 2023 16:30



Tgt Ion:276 Resp: 651790  
Ion Ratio Lower Upper  
276 100  
277 23.4 18.7 28.1  
138 19.8 16.6 25.0

