

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102823\  
 Data File : BF136014.D  
 Acq On : 28 Oct 2023 19:44  
 Operator : CG\JU  
 Sample : 04844-02MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-603-COMP-05MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

10/31/2023  
 Supervised By :mohammad  
 ahmed

Quant Time: Oct 30 00:30:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 165071   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 656676   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 339035   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 619055   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 335474   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 373834   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1364595  | 127.652 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1615490  | 121.387 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1064512  | 102.416 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 528730   | 178.170 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1903447  | 89.899  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 2175302  | 108.337 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 201485   | 40.575  | ng    | # 81     |
| 3) Pyridine                   | 3.498  | 79   | 430201   | 31.387  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 254683   | 42.615  | ng    | 97       |
| 6) Aniline                    | 6.492  | 93   | 320194   | 17.868  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.610  | 128  | 564028   | 50.967  | ng    | 98       |
| 9) Benzaldehyde               | 6.375  | 77   | 122755   | 17.051  | ng    | 99       |
| 10) Phenol                    | 6.475  | 94   | 584419m  | 42.005  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 545988   | 50.416  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 570070   | 48.497  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 571728   | 48.429  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 550883   | 50.250  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 445750   | 47.380  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 728792   | 45.696  | ng    | 95       |
| 17) 2-Methylphenol            | 7.081  | 107  | 420207   | 43.082  | ng    | 98       |
| 18) Hexachloroethane          | 7.333  | 117  | 203699   | 50.744  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 361567   | 47.776  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.233  | 107  | 512414   | 43.529  | ng    | # 84     |
| 22) Acetophenone              | 7.239  | 105  | 736623   | 49.666  | ng    | # 93     |
| 24) Nitrobenzene              | 7.410  | 77   | 546989   | 50.175  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 1044440  | 50.318  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 276245   | 62.809  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 426828   | 45.118  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 631685   | 49.558  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 456434   | 53.879  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 492992   | 51.398  | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1550090  | 48.824  | ng    | 100      |
| 32) Benzoic acid              | 7.886  | 122  | 327046   | 61.369  | ng    | 87       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 66667    | 4.751   | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 275105   | 50.886  | ng    | 100      |
| 35) Caprolactam               | 8.557  | 113  | 142290m  | 50.474  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 487774   | 54.182  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 998725   | 47.545  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 961964   | 49.009  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 473636   | 49.462  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 433700   | 91.854  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 325804   | 58.132  | ng    | 98       |

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Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

10/31/2023

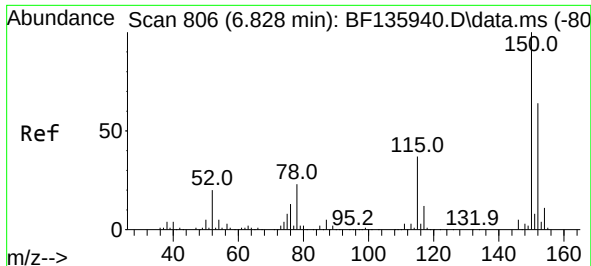
Supervised By :mohammad  
 ahmed

Quant Time: Oct 30 00:30:01 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 362211   | 54.432  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1274580  | 49.614  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 970800   | 51.090  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.410  | 65   | 299294   | 55.605  | ng    | 92       |
| 49) Acenaphthylene            | 9.727  | 152  | 1535066  | 51.208  | ng    | 99       |
| 50) Dimethylphthalate         | 9.598  | 163  | 1140011  | 51.851  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 264040   | 56.922  | ng    | 90       |
| 52) Acenaphthene              | 9.904  | 154  | 1053945m | 54.860  | ng    |          |
| 53) 3-Nitroaniline            | 9.822  | 138  | 171745   | 33.058  | ng    | # 85     |
| 54) 2,4-Dinitrophenol         | 9.927  | 184  | 238160   | 106.446 | ng    | 93       |
| 55) Dibenzofuran              | 10.074 | 168  | 1352372  | 48.727  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.980  | 139  | 434844   | 96.646  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 346435   | 59.775  | ng    | 98       |
| 58) Fluorene                  | 10.422 | 166  | 1013217  | 48.797  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.192 | 232  | 298184   | 59.549  | ng    | 99       |
| 60) Diethylphthalate          | 10.298 | 149  | 1086869  | 51.840  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 489853   | 48.907  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 273803   | 50.439  | ng    | 96       |
| 63) Azobenzene                | 10.574 | 77   | 1038810  | 48.824  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 161208   | 66.850  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 951783   | 50.893  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 334910   | 52.827  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 379476   | 56.032  | ng    | 96       |
| 69) Atrazine                  | 11.069 | 200  | 338200   | 66.337  | ng    | 99       |
| 70) Pentachlorophenol         | 11.163 | 266  | 428066   | 98.651  | ng    | 97       |
| 71) Phenanthrene              | 11.386 | 178  | 1585825  | 50.634  | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 1605699  | 50.070  | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 1426961  | 49.881  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1708734  | 56.132  | ng    | 100      |
| 75) Fluoranthene              | 12.574 | 202  | 1589430  | 48.238  | ng    | 98       |
| 77) Benzidine                 | 12.698 | 184  | 153123   | 23.671  | ng    | 100      |
| 78) Pyrene                    | 12.804 | 202  | 1592950  | 56.552  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 634602   | 58.687  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 1152701  | 50.534  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 246225   | 35.480  | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 1104981  | 49.737  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 771622   | 66.618  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1293303  | 70.880  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 1091567  | 51.495  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.062 | 252  | 1194547  | 53.693  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.098 | 252  | 988443   | 45.237  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 1000688  | 48.804  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 915344   | 50.483  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 826800   | 40.724  | ng    | 99       |

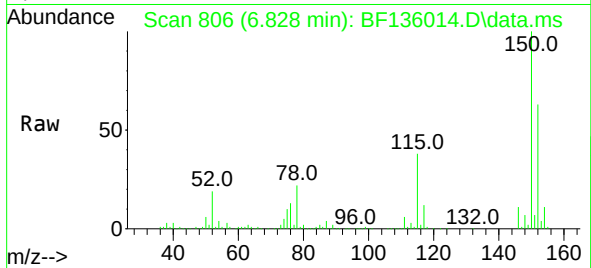
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
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OR-603-COMP-05MSD



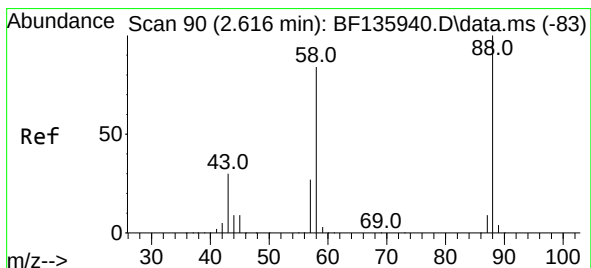
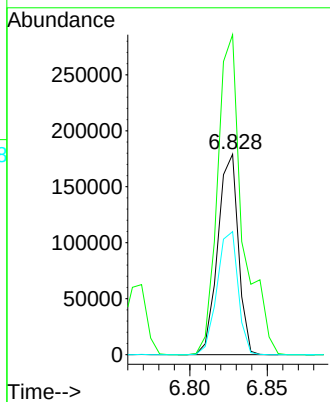
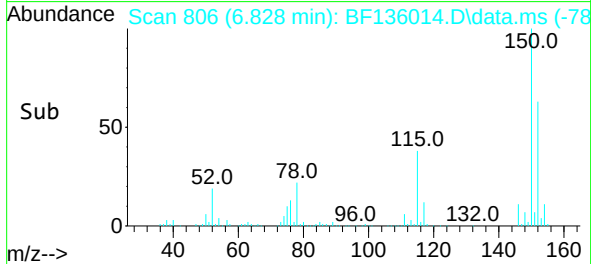
Tgt Ion:152 Resp: 16507  
Ion Ratio Lower Upper  
152 100  
150 159.6 124.6 186.8  
115 61.4 46.6 69.8

Manual Integrations  
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Patel

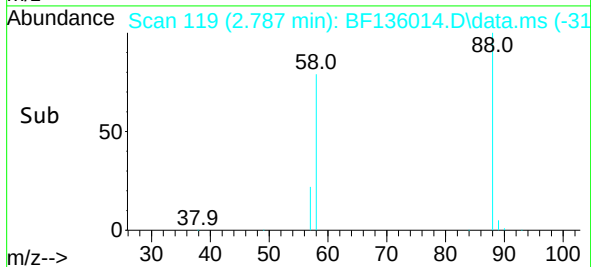
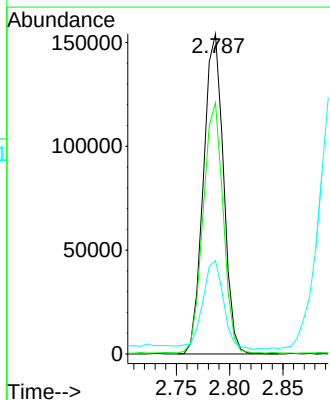
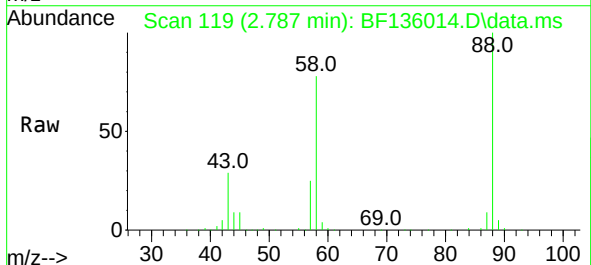
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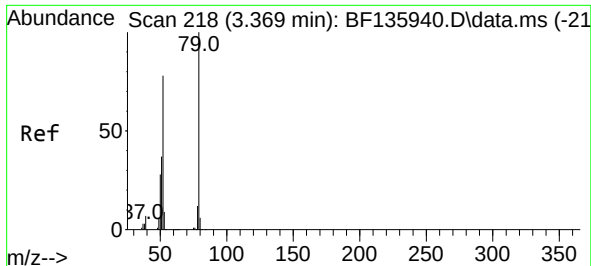
10/31/2023



#2  
1,4-Dioxane  
Concen: 40.575 ng  
RT: 2.787 min Scan# 119  
Delta R.T. 0.171 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

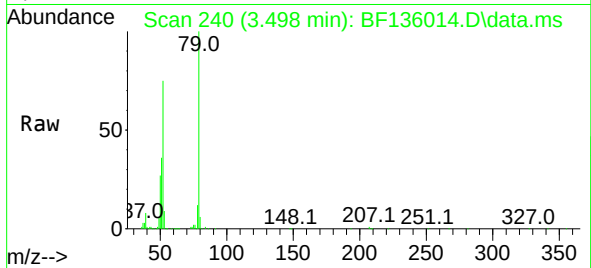
Tgt Ion: 88 Resp: 201485  
Ion Ratio Lower Upper  
88 100  
58 78.3 66.6 100.0  
43 0.0 23.8 35.8





#3  
Pyridine  
Concen: 31.387 ng  
RT: 3.498 min Scan# 24  
Delta R.T. 0.129 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
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ClientSampleId :  
OR-603-COMP-05MSD



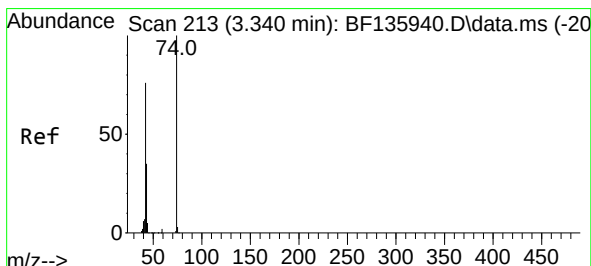
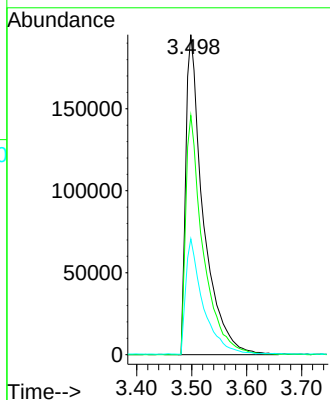
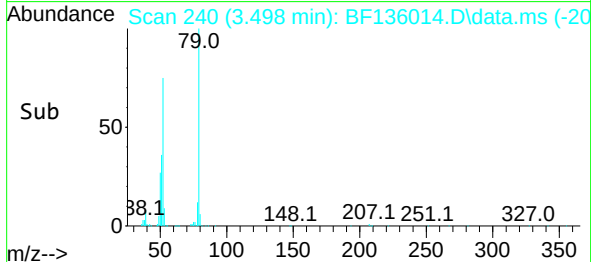
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Ion Ratio Lower Upper  
79 100  
52 74.8 62.6 93.8  
51 36.2 29.8 44.8

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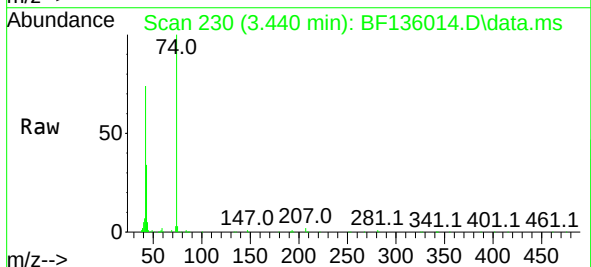
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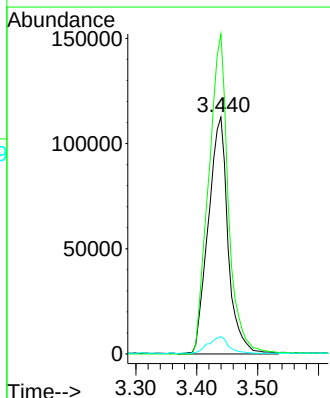
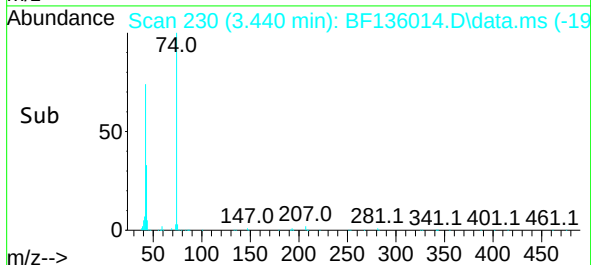
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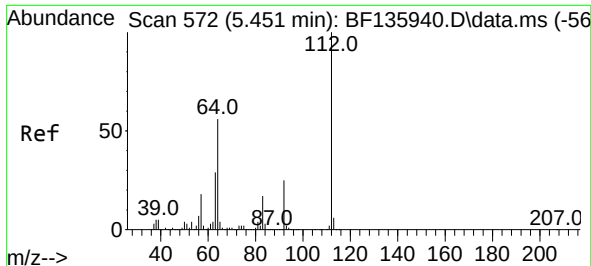


#4  
n-Nitrosodimethylamine  
Concen: 42.615 ng  
RT: 3.440 min Scan# 230  
Delta R.T. 0.100 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



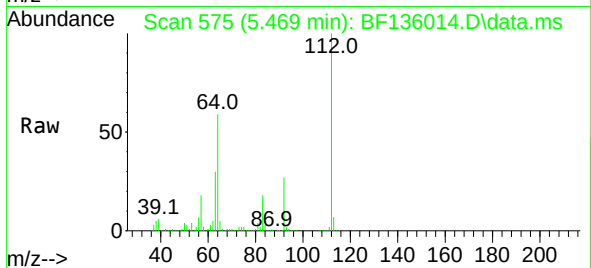
Tgt Ion: 42 Resp: 254683  
Ion Ratio Lower Upper  
42 100  
74 135.1 104.8 157.2  
44 7.4 5.9 8.9





#5  
2-Fluorophenol  
Concen: 127.652 ng  
RT: 5.469 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

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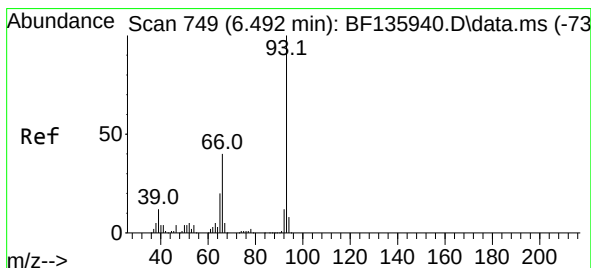
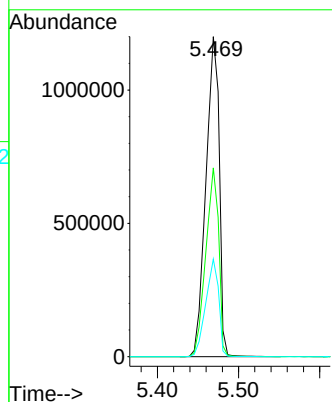
Tgt Ion: 112 Resp: 136459  
Ion Ratio Lower Upper  
112 100  
64 59.0 45.1 67.7  
63 30.5 23.0 34.4

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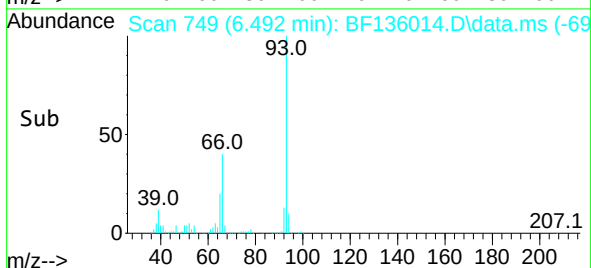
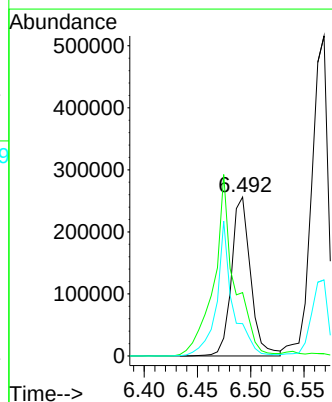
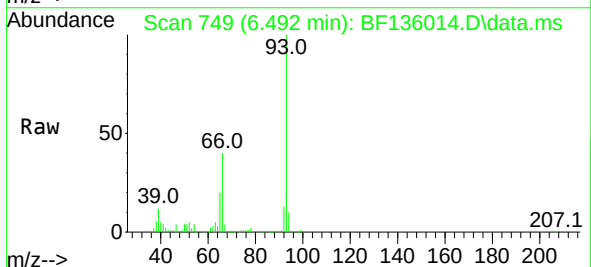
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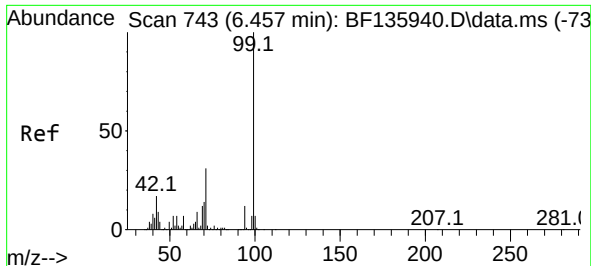
10/31/2023



#6  
Aniline  
Concen: 17.868 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

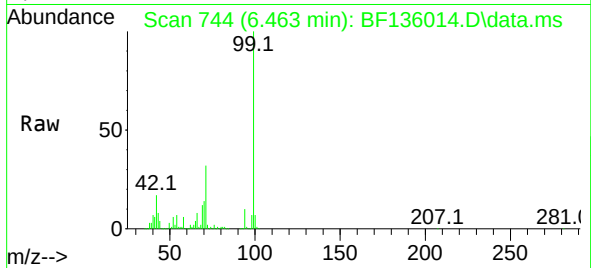
Tgt Ion: 93 Resp: 320194  
Ion Ratio Lower Upper  
93 100  
66 39.9 32.0 48.0  
65 20.3 16.2 24.4





#7  
Phenol-d6  
Concen: 121.387 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

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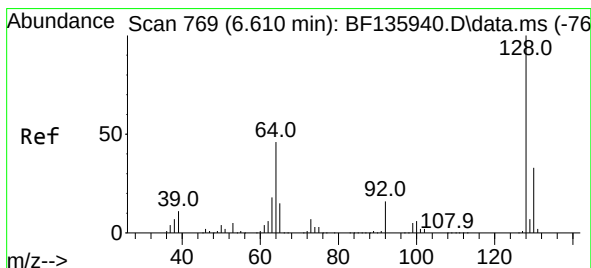
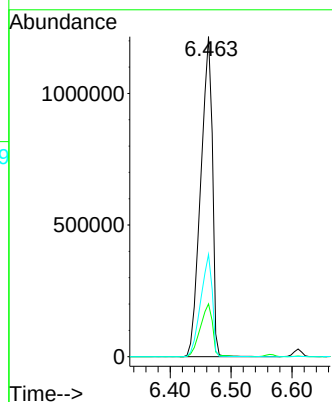
Tgt Ion: 99 Resp: 1615490  
Ion Ratio Lower Upper  
99 100  
42 16.5 13.8 20.8  
71 31.9 25.1 37.7

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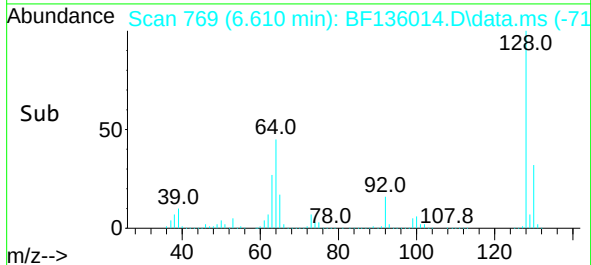
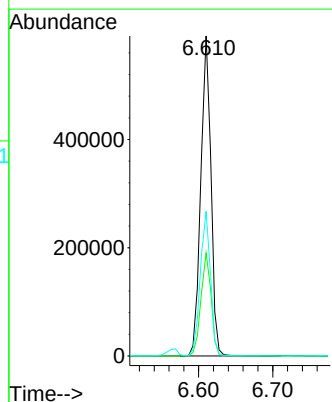
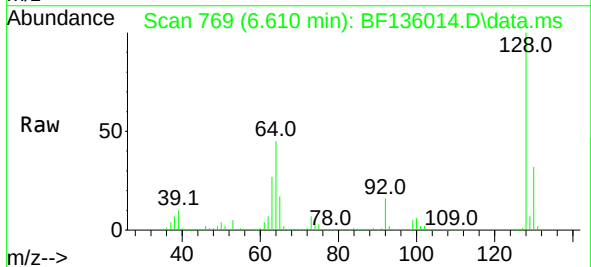
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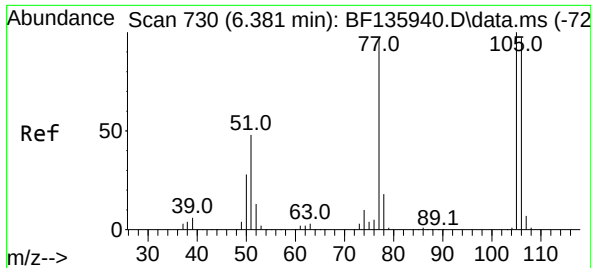
10/31/2023



#8  
2-Chlorophenol  
Concen: 50.967 ng  
RT: 6.610 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
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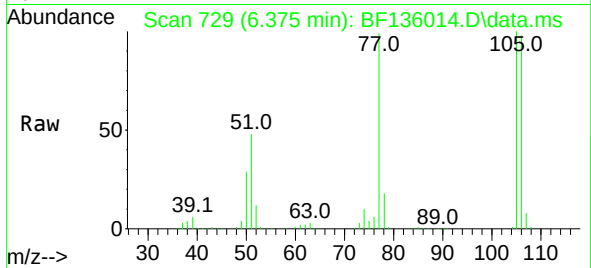
Tgt Ion:128 Resp: 564028  
Ion Ratio Lower Upper  
128 100  
130 32.2 13.1 53.1  
64 45.2 27.0 67.0





#9  
Benzaldehyde  
Concen: 17.051 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



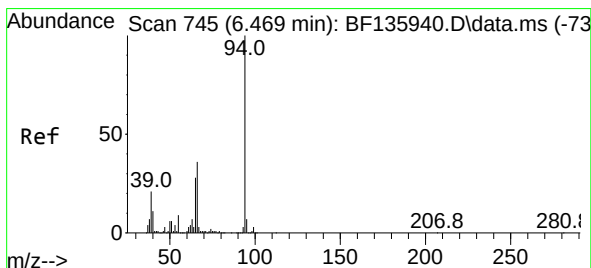
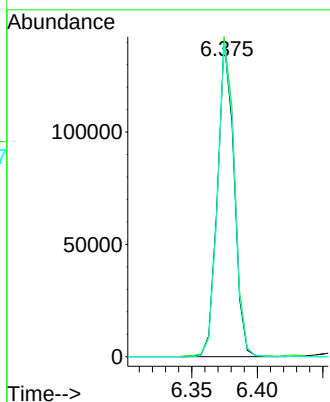
Tgt Ion: 77 Resp: 12275  
Ion Ratio Lower Upper  
77 100  
105 101.3 83.2 123.2  
106 99.4 80.0 120.0

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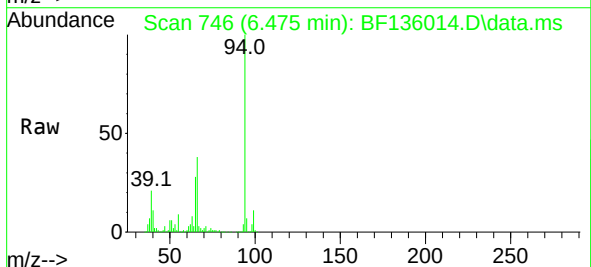
Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

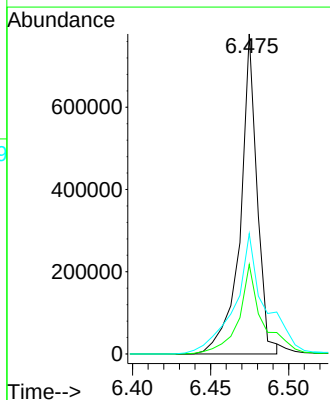
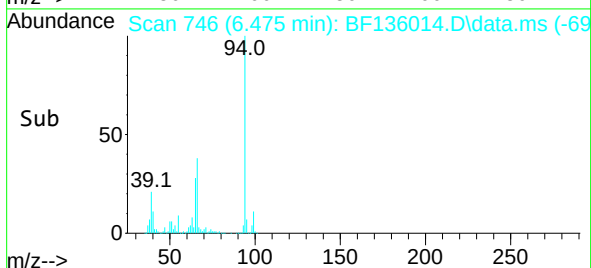
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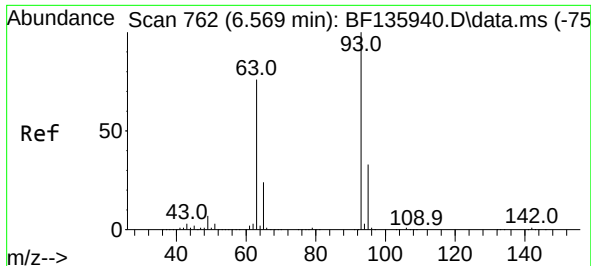
#10  
Phenol  
Concen: 42.005 ng m  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



Tgt Ion: 94 Resp: 584419  
Ion Ratio Lower Upper  
94 100  
65 27.9 7.8 47.8  
66 37.6 16.5 56.5

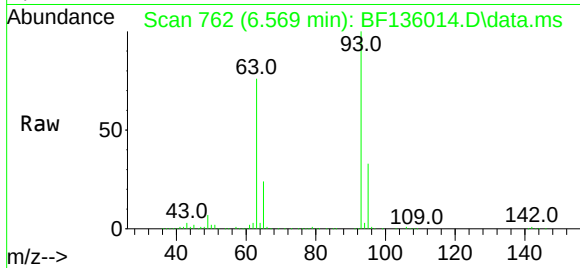






#11  
bis(2-Chloroethyl)ether  
Concen: 50.416 ng  
RT: 6.569 min Scan# 762  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



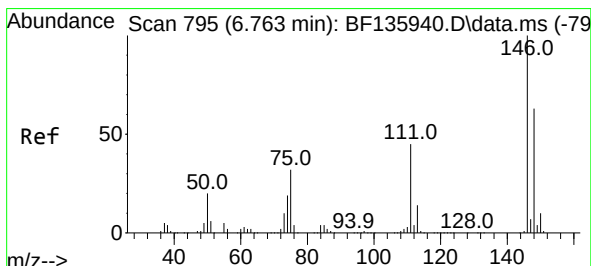
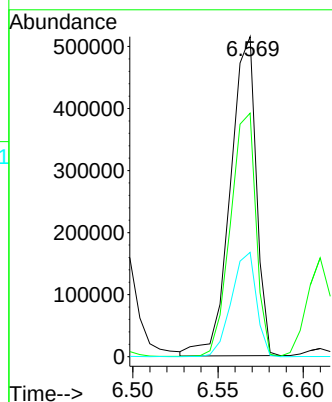
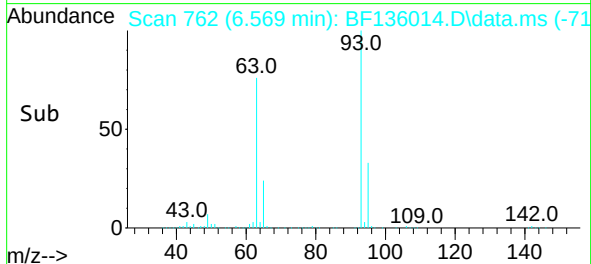
Tgt Ion: 93 Resp: 545988  
Ion Ratio Lower Upper  
93 100  
63 76.1 56.2 96.2  
95 32.6 12.9 52.9

Manual Integrations  
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Reviewed By :Yogesh  
Patel

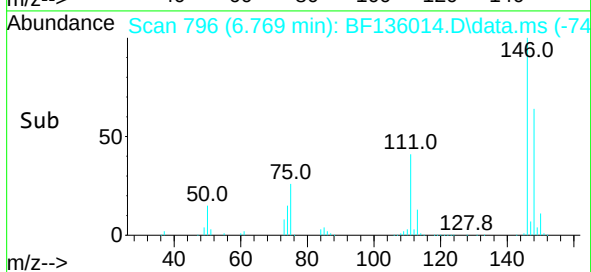
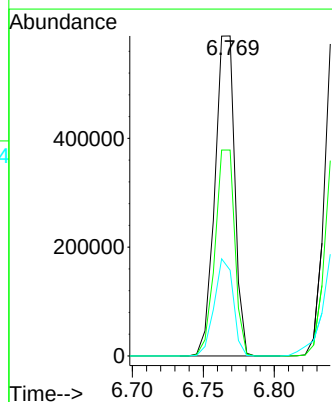
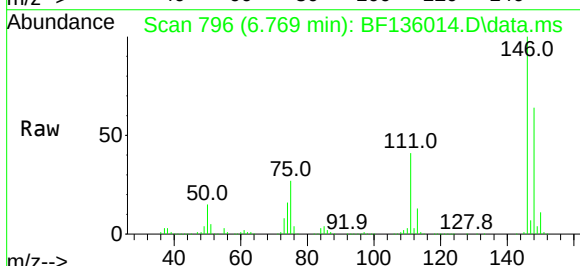
10/31/2023  
Supervised By :mohammad  
ahmed

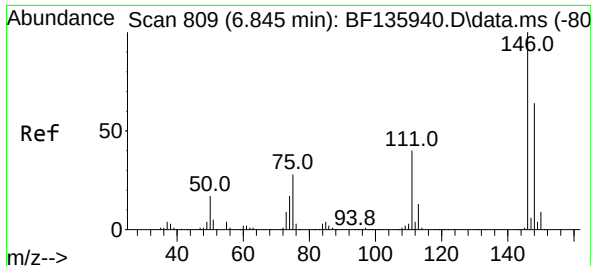
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#12  
1,3-Dichlorobenzene  
Concen: 48.497 ng  
RT: 6.769 min Scan# 796  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:146 Resp: 570070  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.2 75.4  
75 26.8 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 48.429 ng

RT: 6.845 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF136014.D

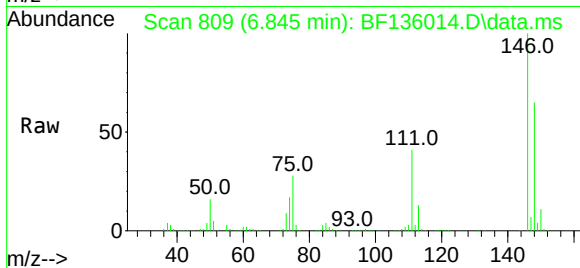
Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD



Tgt Ion:146 Resp: 571728

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 64.8  | 51.4  | 77.2  |
| 111 | 41.4  | 31.8  | 47.8  |

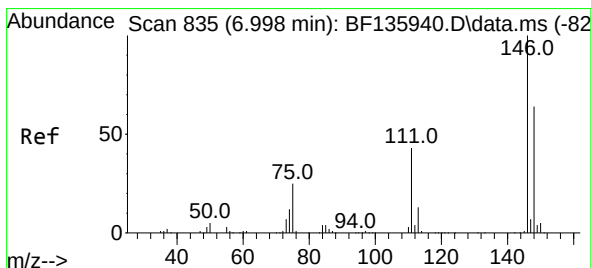
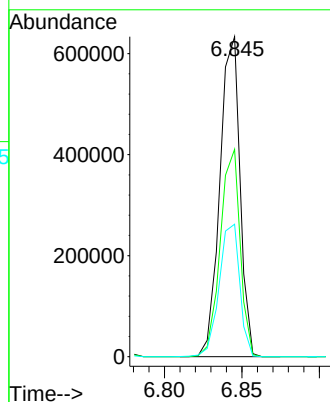
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

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Supervised By :mohammad  
ahmed

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#14

1,2-Dichlorobenzene

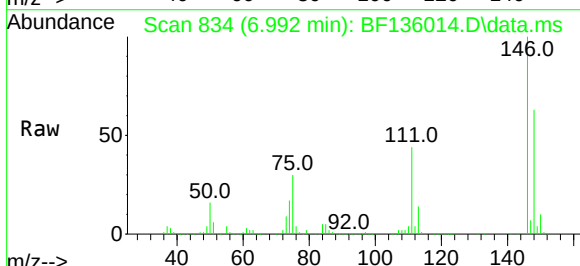
Concen: 50.250 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

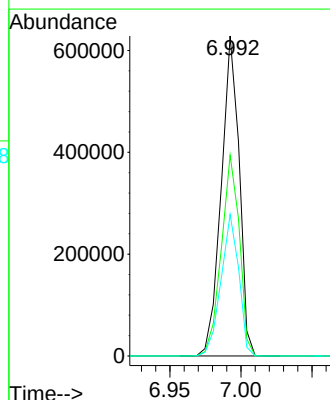
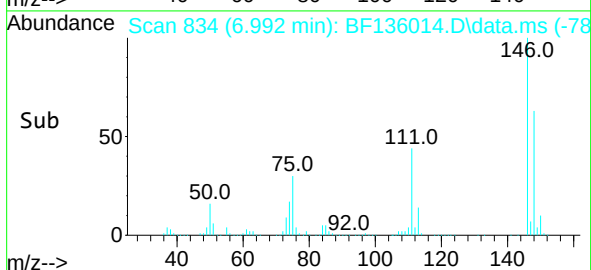
Lab File: BF136014.D

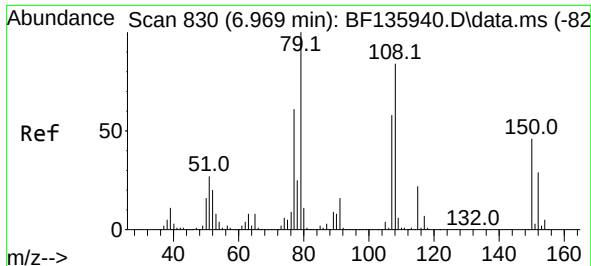
Acq: 28 Oct 2023 19:44



Tgt Ion:146 Resp: 550883

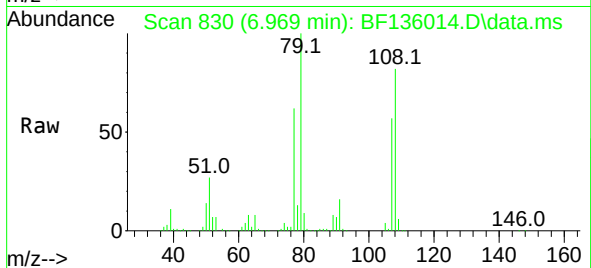
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.8  | 51.4  | 77.0  |
| 111 | 44.3  | 34.2  | 51.4  |





#15  
Benzyl Alcohol  
Concen: 47.380 ng  
RT: 6.969 min Scan# 830  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



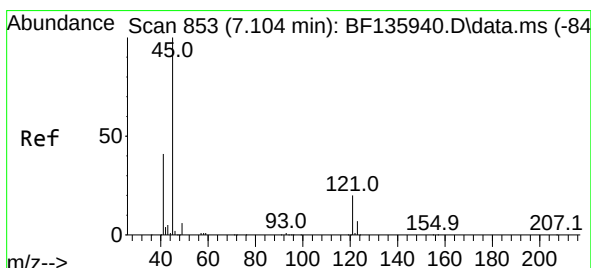
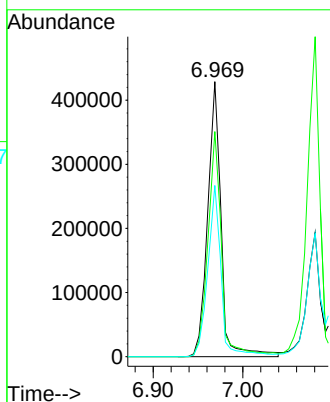
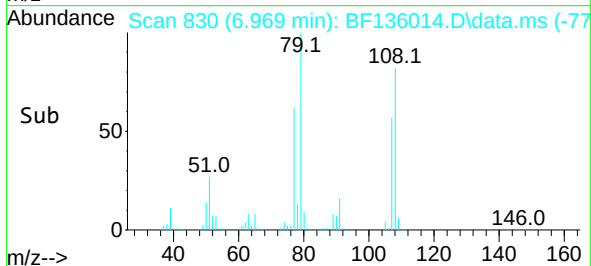
Tgt Ion: 79 Resp: 445750  
Ion Ratio Lower Upper  
79 100  
108 81.8 67.2 100.8  
77 62.2 49.0 73.6

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Reviewed By :Yogesh  
Patel

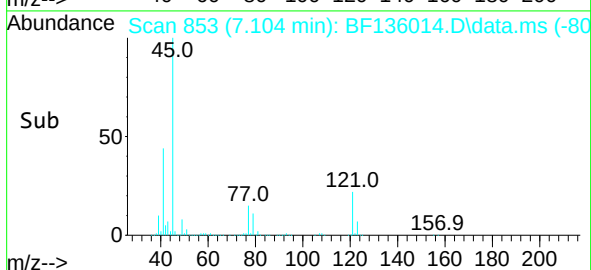
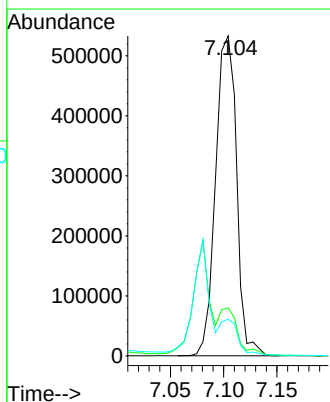
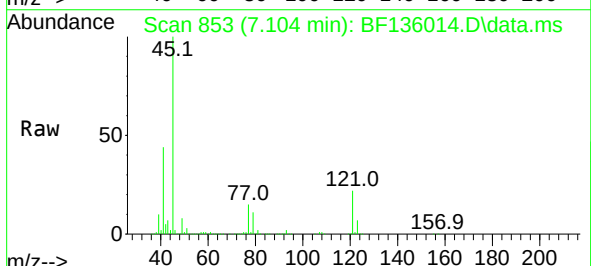
10/31/2023  
Supervised By :mohammad  
ahmed

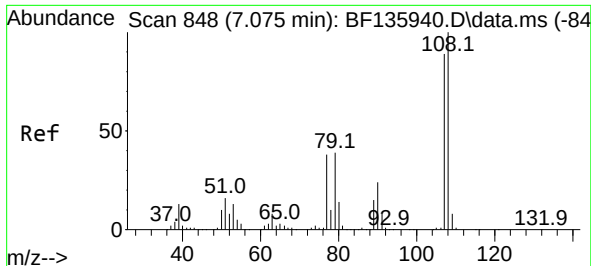
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.696 ng  
RT: 7.104 min Scan# 853  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

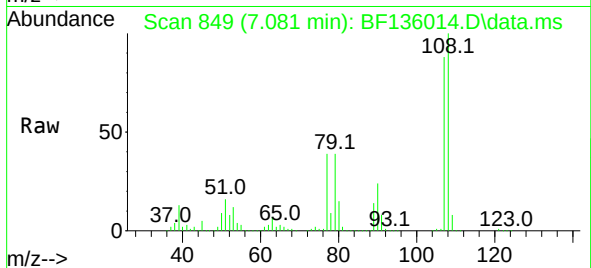
Tgt Ion: 45 Resp: 728792  
Ion Ratio Lower Upper  
45 100  
77 15.1 0.0 33.2  
79 11.4 0.0 29.8





#17  
2-Methylphenol  
Concen: 43.082 ng  
RT: 7.081 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



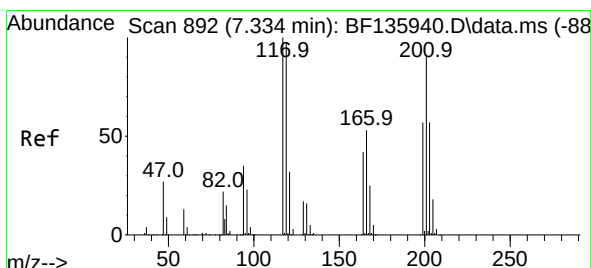
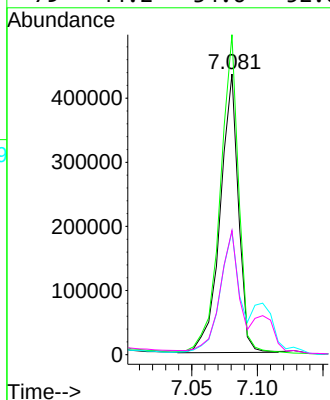
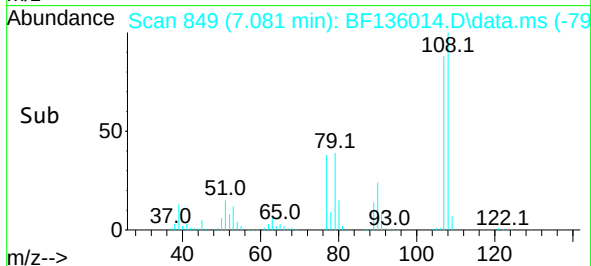
Tgt Ion:107 Resp: 42020  
Ion Ratio Lower Upper  
107 100  
108 114.0 89.8 134.6  
77 43.9 34.2 51.2  
79 44.2 34.6 52.0

Manual Integrations  
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Reviewed By :Yogesh  
Patel

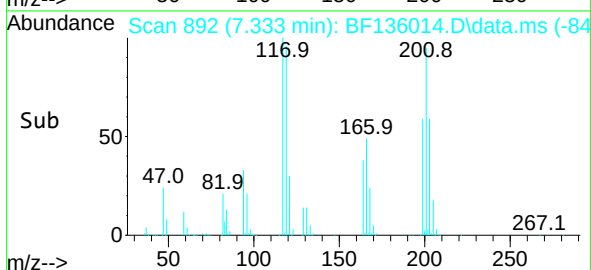
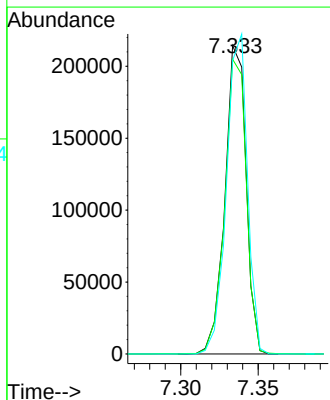
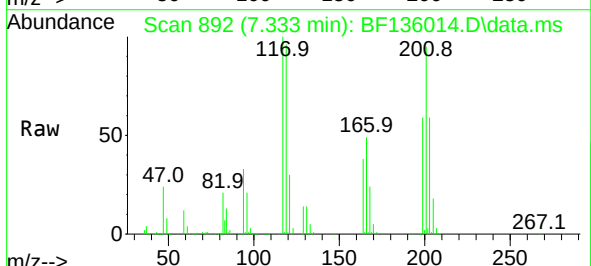
10/31/2023  
Supervised By :mohammad  
ahmed

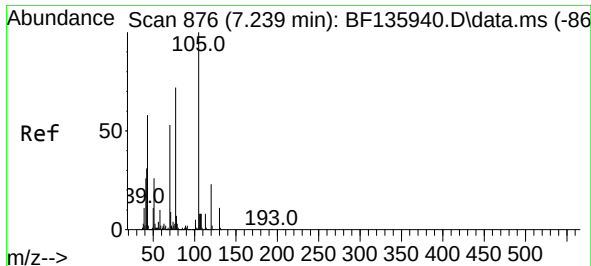
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#18  
Hexachloroethane  
Concen: 50.744 ng  
RT: 7.333 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

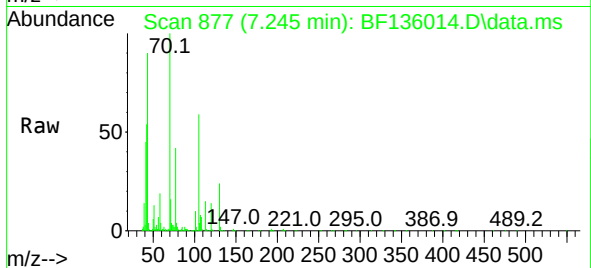
Tgt Ion:117 Resp: 203699  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.3 115.9  
201 95.1 72.8 109.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.776 ng  
RT: 7.245 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



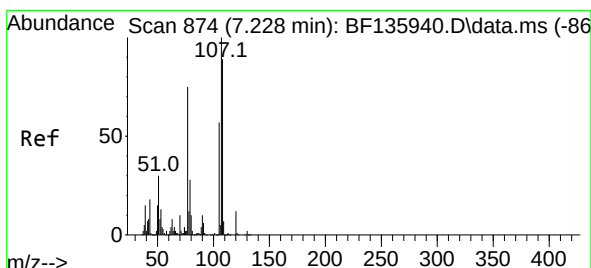
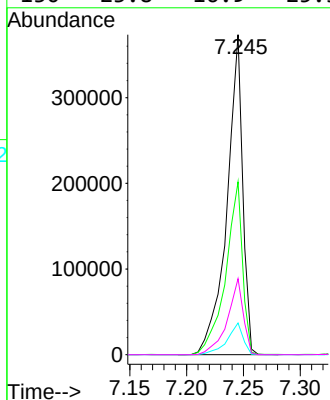
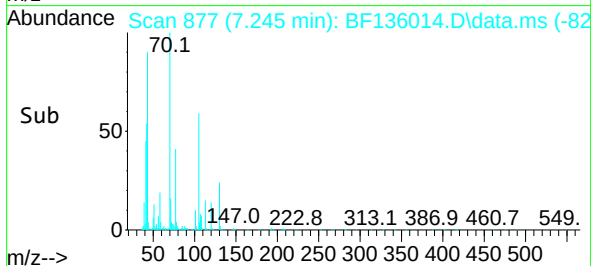
Tgt Ion: 70 Resp: 36156  
Ion Ratio Lower Upper  
70 100  
42 54.0 47.3 70.9  
101 9.9 7.8 11.8  
130 23.8 16.9 25.3

Manual Integrations  
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Reviewed By :Yogesh  
Patel

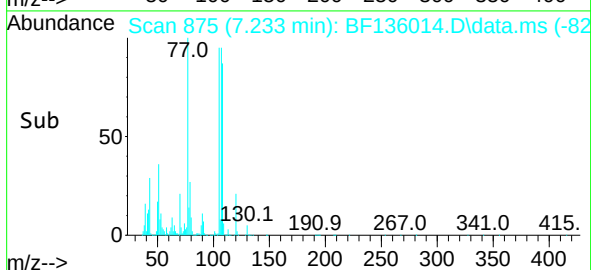
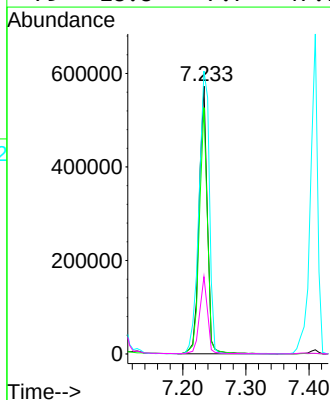
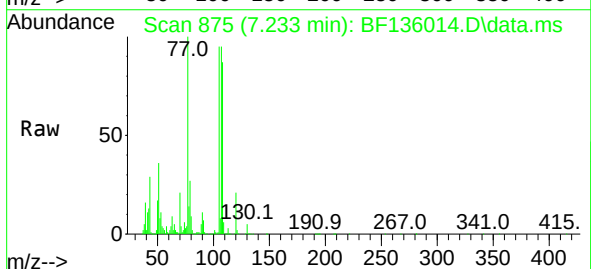
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Supervised By :mohammad  
ahmed

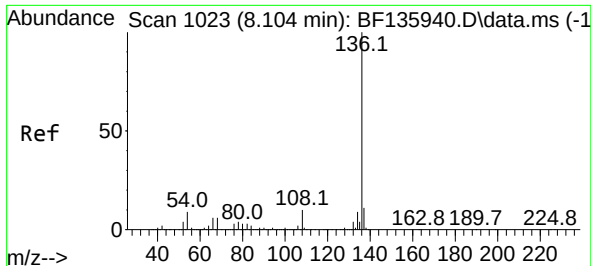
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#20  
3+4-Methylphenols  
Concen: 43.529 ng  
RT: 7.233 min Scan# 875  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

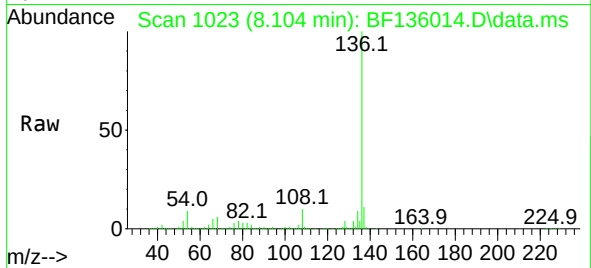
Tgt Ion:107 Resp: 512414  
Ion Ratio Lower Upper  
107 100  
108 92.0 69.1 109.1  
77 105.6 55.0 95.0#  
79 28.8 7.7 47.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



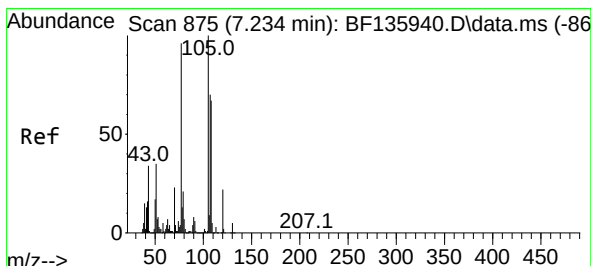
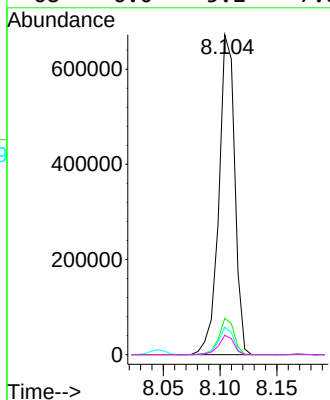
Tgt Ion:136 Resp: 656670  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.0 13.6  
54 8.6 7.1 10.7  
68 6.0 5.2 7.8

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Reviewed By :Yogesh  
Patel

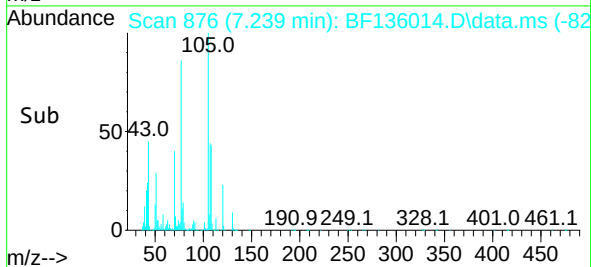
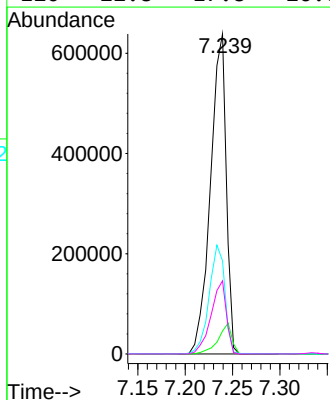
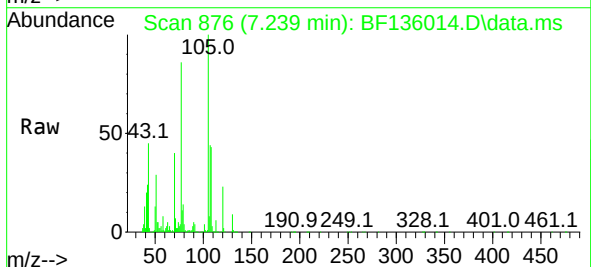
10/31/2023  
Supervised By :mohammad  
ahmed

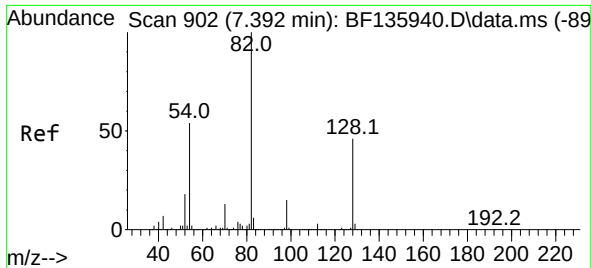
10/31/2023



#22  
Acetophenone  
Concen: 49.666 ng  
RT: 7.239 min Scan# 876  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:105 Resp: 736623  
Ion Ratio Lower Upper  
105 100  
71 7.1 3.4 5.2#  
51 29.1 28.4 42.6  
120 22.8 17.8 26.6





#23

Nitrobenzene-d5

Concen: 102.416 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD

Tgt Ion: 82 Resp: 106451

Ion Ratio Lower Upper

82 100

128 47.7 36.8 55.2

54 50.3 43.4 65.0

Manual Integrations

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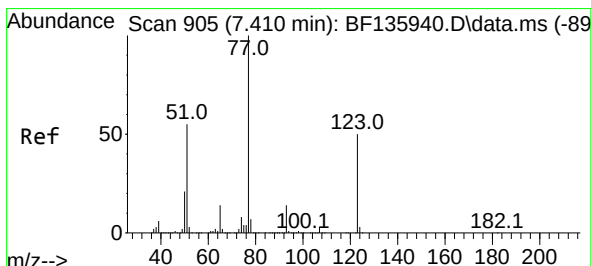
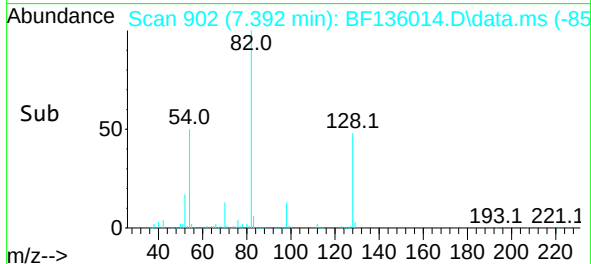
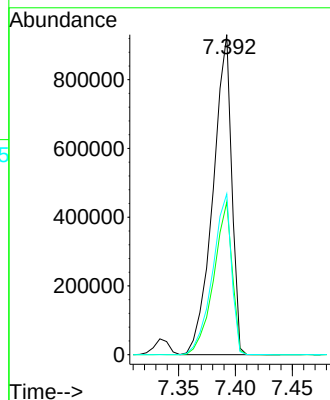
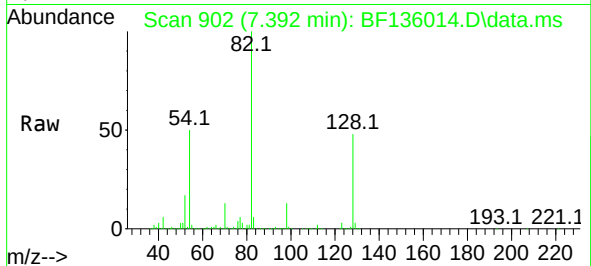
Reviewed By :Yogesh

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Supervised By :mohammad  
ahmed

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#24

Nitrobenzene

Concen: 50.175 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

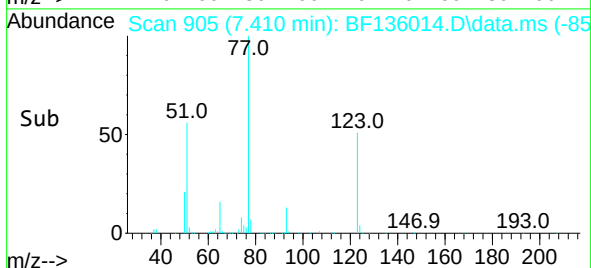
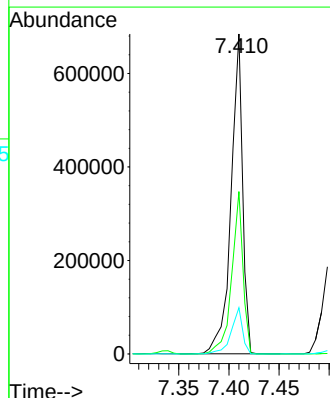
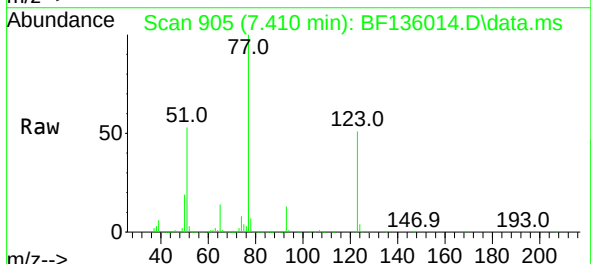
Tgt Ion: 77 Resp: 546989

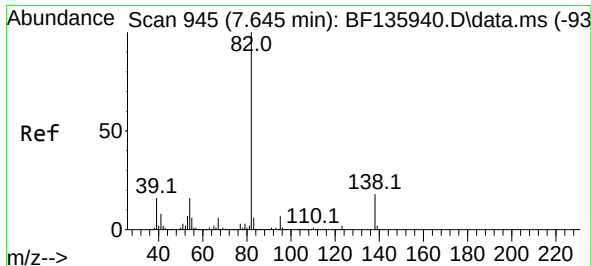
Ion Ratio Lower Upper

77 100

123 50.7 40.2 60.2

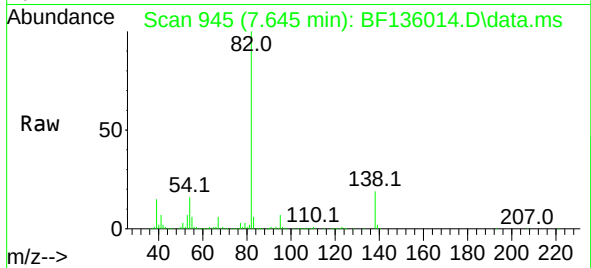
65 14.5 11.0 16.4





#25  
Isophorone  
Concen: 50.318 ng  
RT: 7.645 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



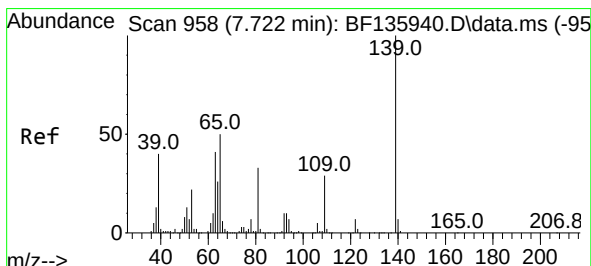
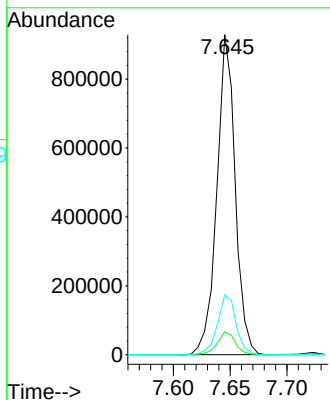
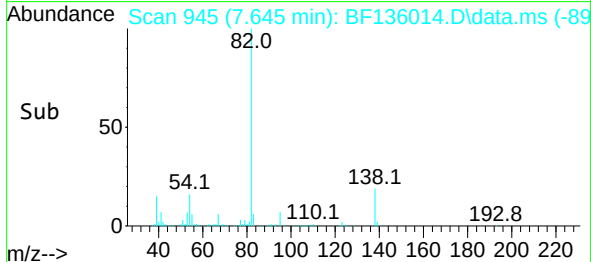
Tgt Ion: 82 Resp: 1044440  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 18.7 14.8 22.2

Manual Integrations  
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Reviewed By :Yogesh  
Patel

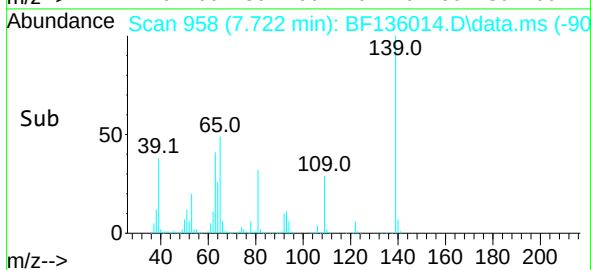
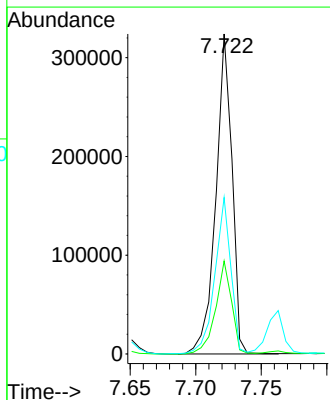
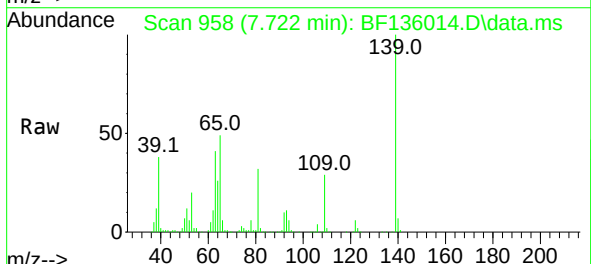
10/31/2023  
Supervised By :mohammad  
ahmed

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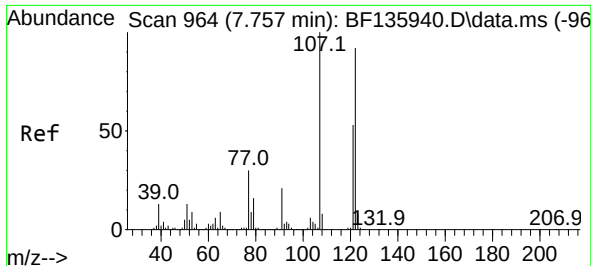


#26  
2-Nitrophenol  
Concen: 62.809 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:139 Resp: 276245  
Ion Ratio Lower Upper  
139 100  
109 29.0 23.1 34.7  
65 48.9 39.8 59.8

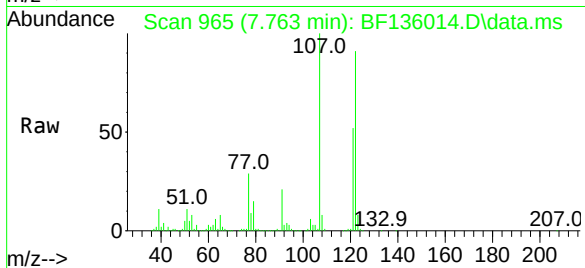






#27  
2,4-Dimethylphenol  
Concen: 45.118 ng  
RT: 7.763 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



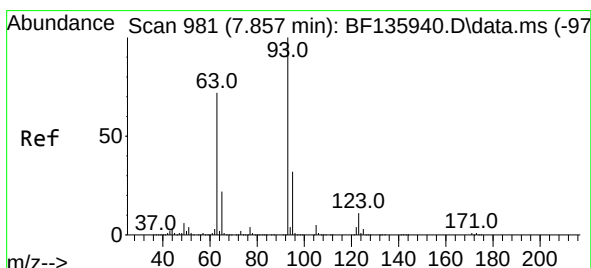
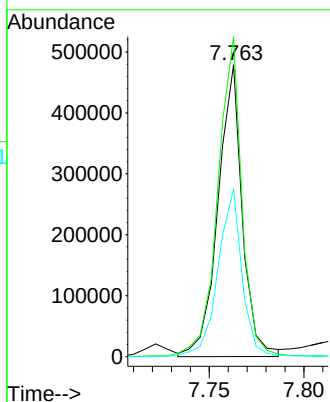
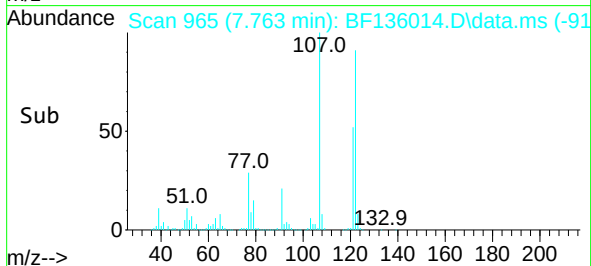
Tgt Ion:122 Resp: 426828  
Ion Ratio Lower Upper  
122 100  
107 109.6 87.1 130.7  
121 57.3 45.9 68.9

Manual Integrations  
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Patel

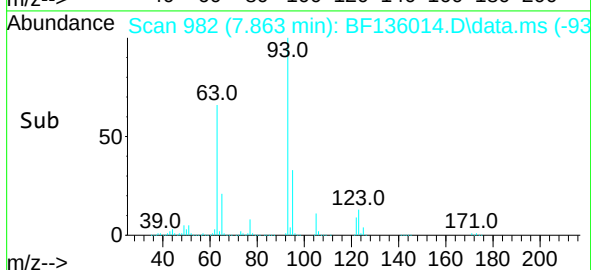
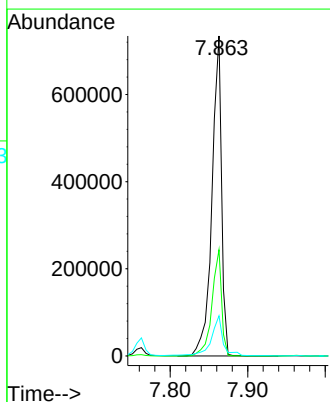
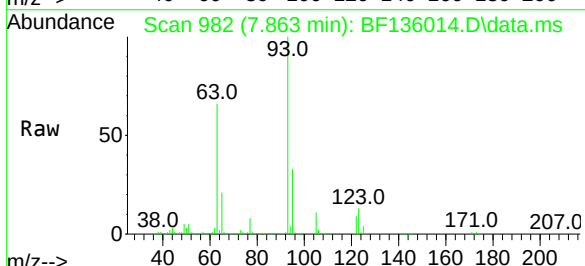
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Supervised By :mohammad  
ahmed

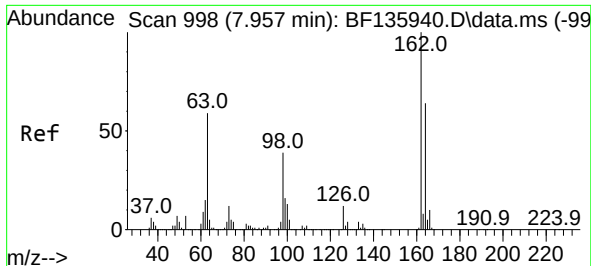
10/31/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.558 ng  
RT: 7.863 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion: 93 Resp: 631685  
Ion Ratio Lower Upper  
93 100  
95 33.2 25.9 38.9  
123 12.6 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 53.879 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF136014.D

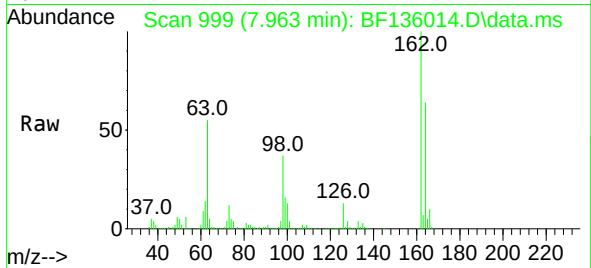
Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 456434 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.1  | 43.7  | 83.7   |
| 98        | 37.1  | 18.8  | 58.8   |

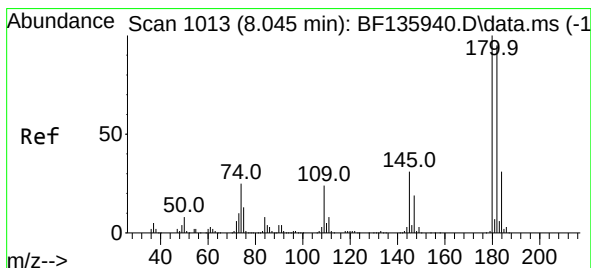
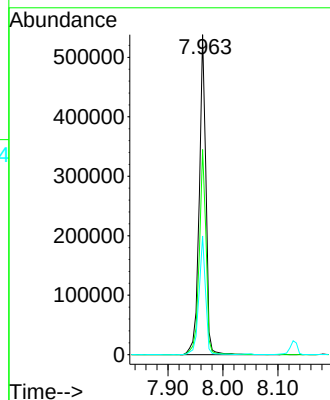
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

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Supervised By :mohammad  
ahmed

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#30

1,2,4-Trichlorobenzene

Concen: 51.398 ng

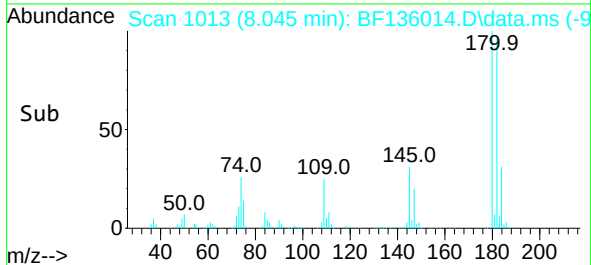
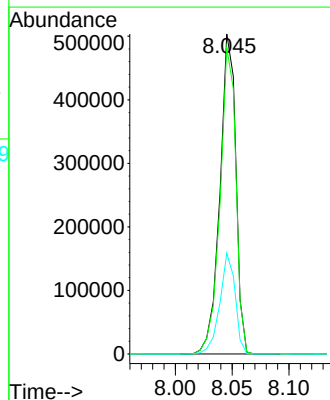
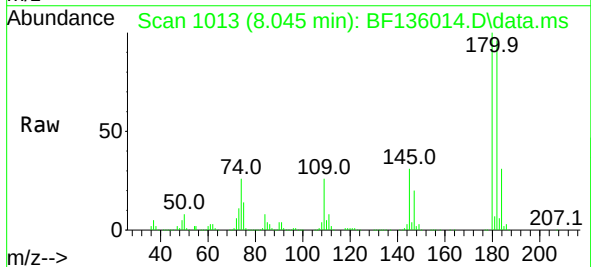
RT: 8.045 min Scan# 1013

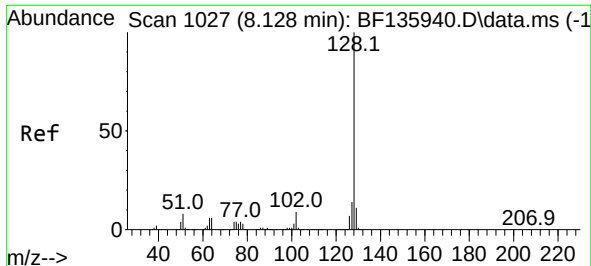
Delta R.T. -0.000 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

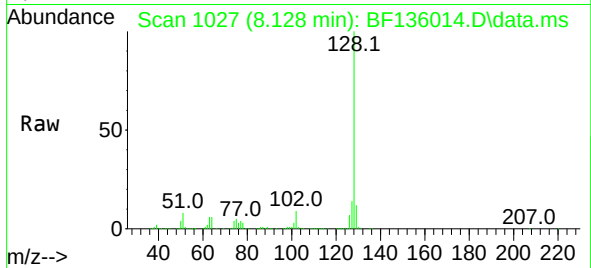
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 492992 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.8  | 76.0  | 114.0  |
| 145       | 31.5  | 24.6  | 36.8   |





#31  
Naphthalene  
Concen: 48.824 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



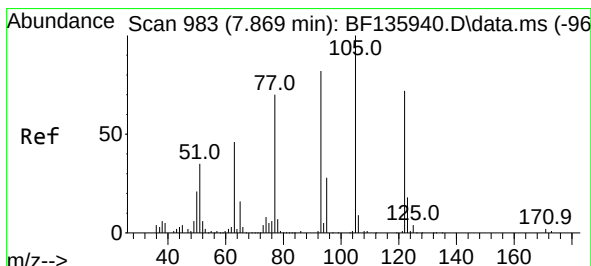
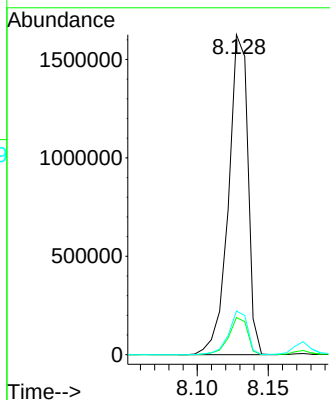
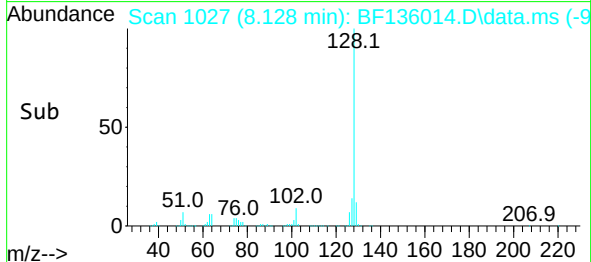
Tgt Ion:128 Resp: 1550090  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.6 10.9 16.3

Manual Integrations  
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Patel

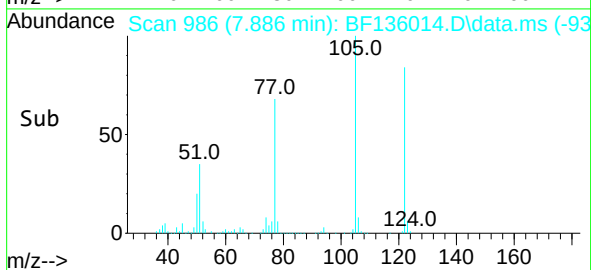
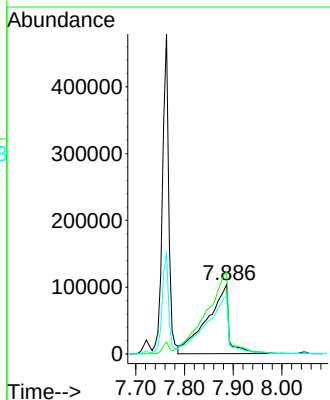
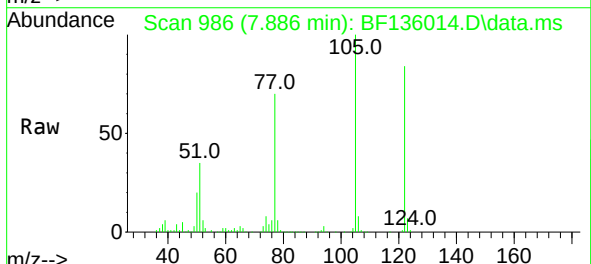
10/31/2023  
Supervised By :mohammad  
ahmed

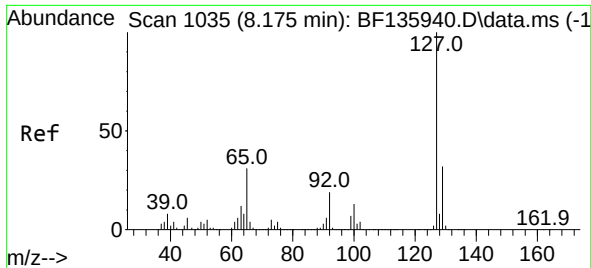
10/31/2023



#32  
Benzoic acid  
Concen: 61.369 ng  
RT: 7.886 min Scan# 986  
Delta R.T. 0.017 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

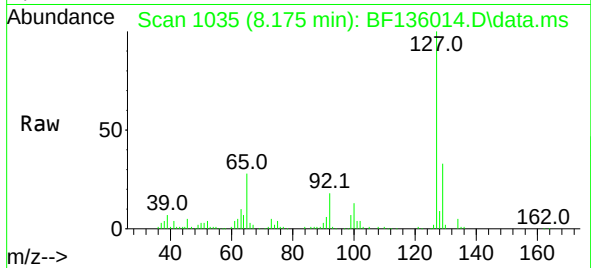
Tgt Ion:122 Resp: 327046  
Ion Ratio Lower Upper  
122 100  
105 118.5 113.1 153.1  
77 82.8 75.2 115.2





#33  
4-Chloroaniline  
Concen: 4.751 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



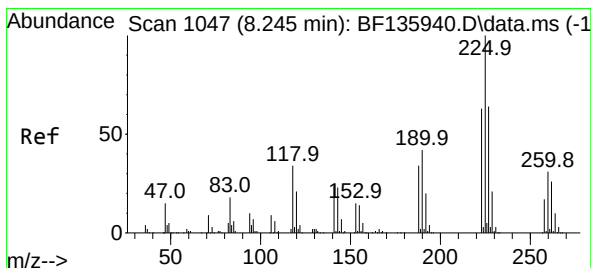
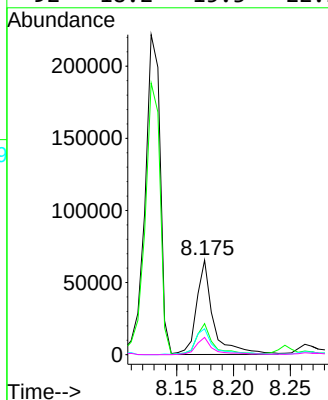
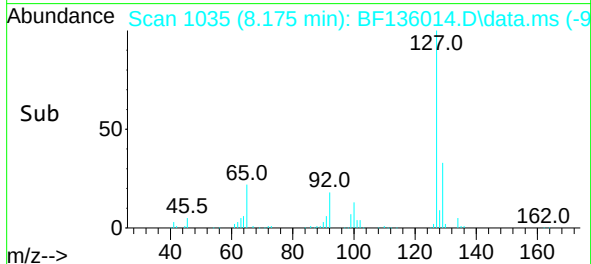
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.8  | 25.7  | 38.5  |
| 65      | 27.5  | 24.8  | 37.2  |
| 92      | 18.2  | 15.3  | 22.9  |

Manual Integrations  
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Patel

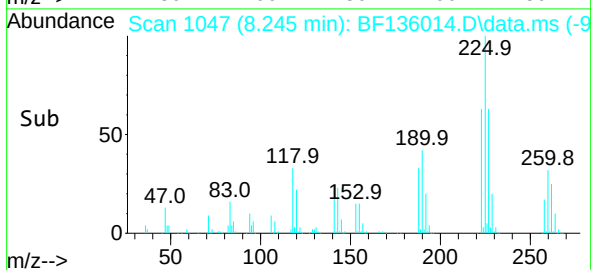
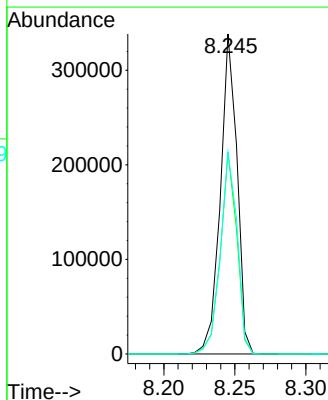
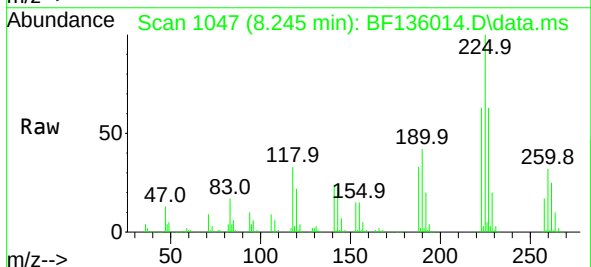
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Supervised By :mohammad  
ahmed

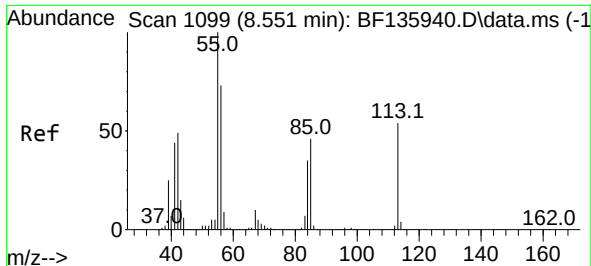
10/31/2023



#34  
Hexachlorobutadiene  
Concen: 50.886 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

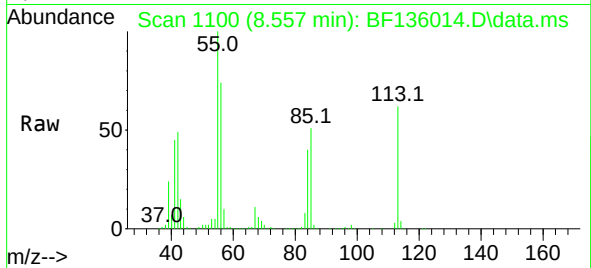
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.0  | 50.6  | 75.8  |
| 227     | 63.1  | 50.9  | 76.3  |





#35  
Caprolactam  
Concen: 50.474 ng m  
RT: 8.557 min Scan# 1100  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



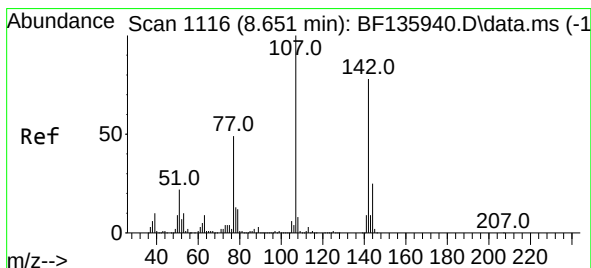
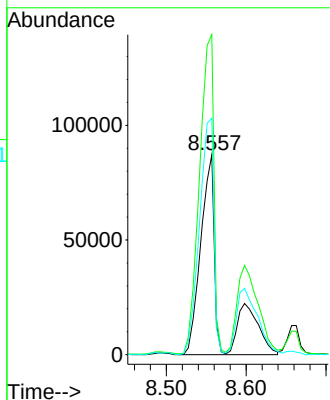
Tgt Ion:113 Resp: 142290  
Ion Ratio Lower Upper  
113 100  
55 160.1 165.4 205.4  
56 118.3 115.2 155.2

Manual Integrations  
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Reviewed By :Yogesh  
Patel

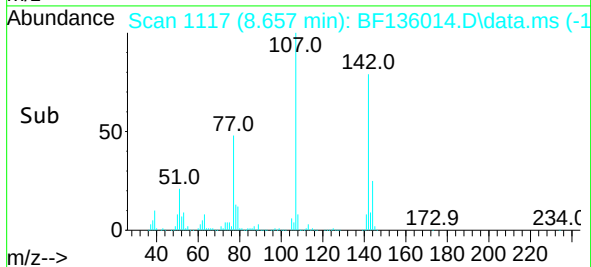
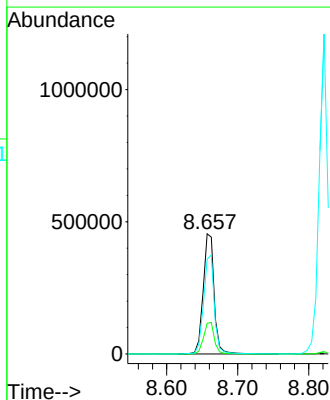
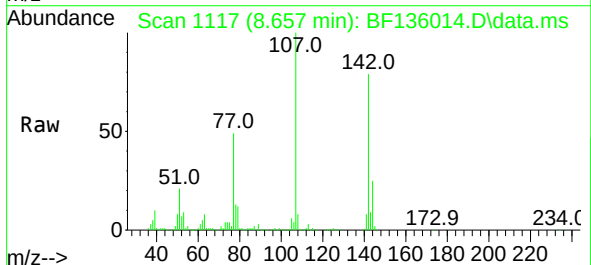
10/31/2023  
Supervised By :mohammad  
ahmed

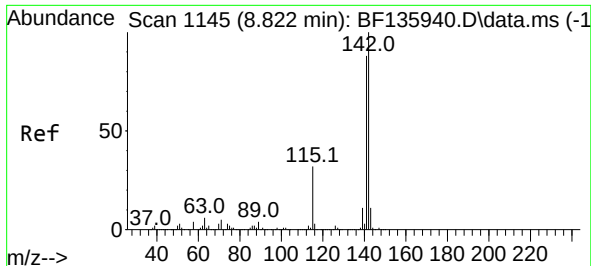
10/31/2023



#36  
4-Chloro-3-methylphenol  
Concen: 54.182 ng  
RT: 8.657 min Scan# 1117  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

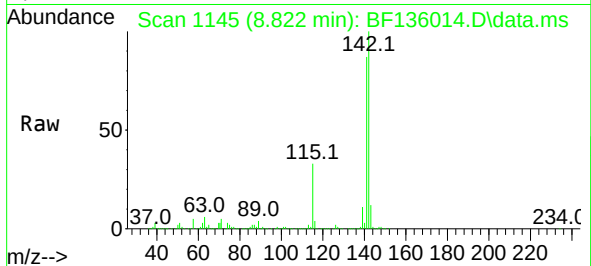
Tgt Ion:107 Resp: 487774  
Ion Ratio Lower Upper  
107 100  
144 25.4 19.9 29.9  
142 78.9 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 47.545 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



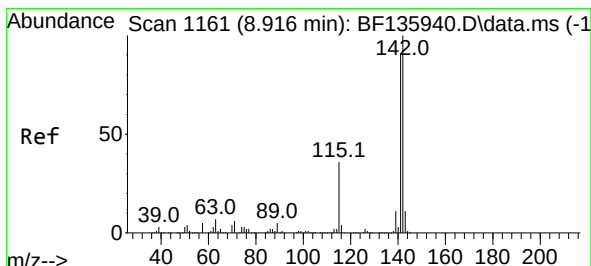
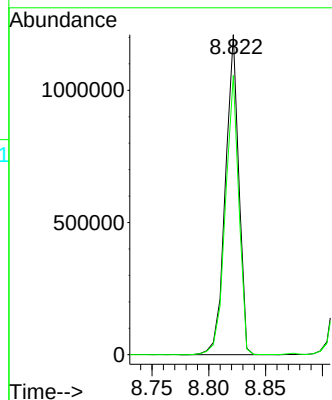
Tgt Ion:142 Resp: 998725  
Ion Ratio Lower Upper  
142 100  
141 87.3 70.4 105.6

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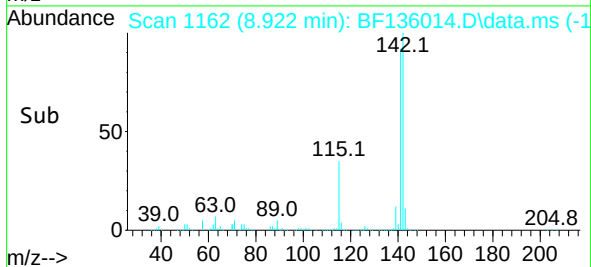
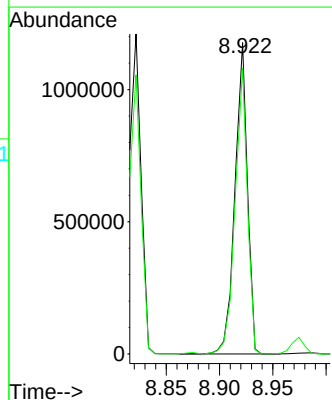
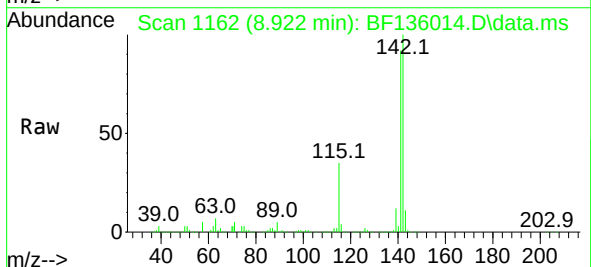
10/31/2023  
Supervised By :mohammad  
ahmed

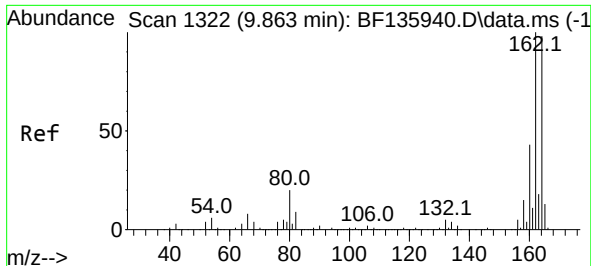
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#38  
1-Methylnaphthalene  
Concen: 49.009 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

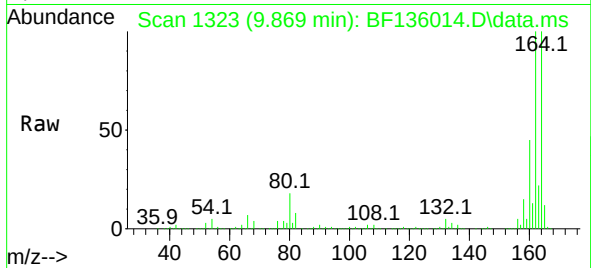
Tgt Ion:142 Resp: 961964  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.1 109.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.869 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



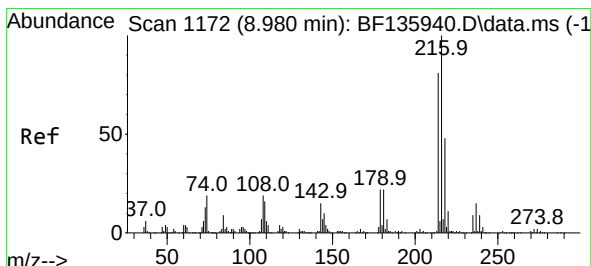
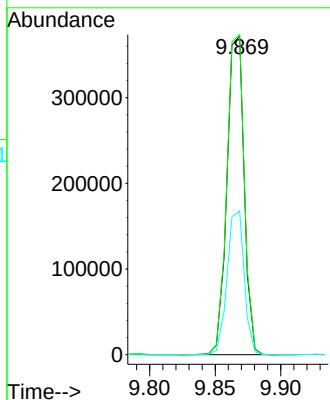
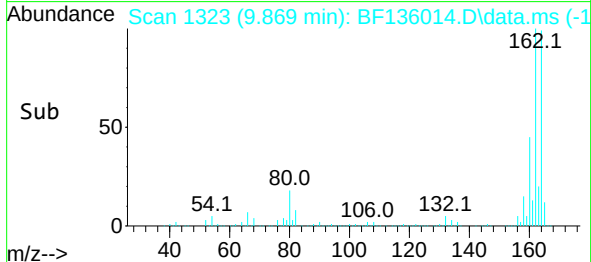
Tgt Ion:164 Resp: 33903  
Ion Ratio Lower Upper  
164 100  
162 100.4 82.0 123.0  
160 45.2 35.6 53.4

Manual Integrations  
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Reviewed By :Yogesh  
Patel

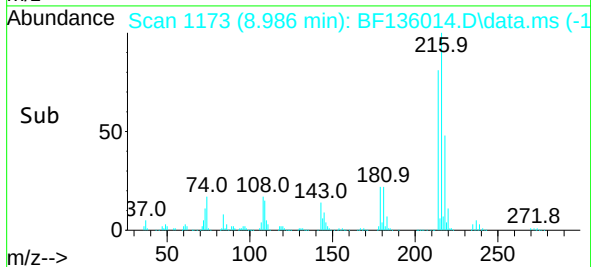
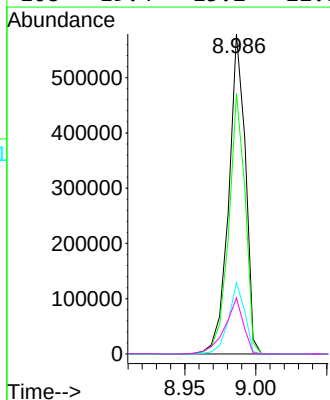
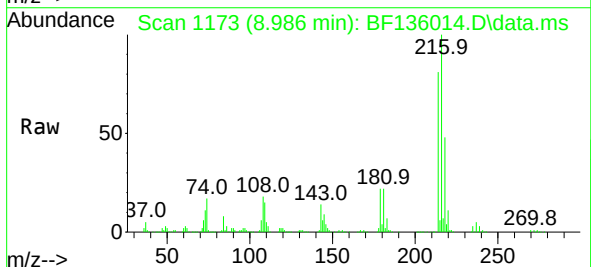
10/31/2023  
Supervised By :mohammad  
ahmed

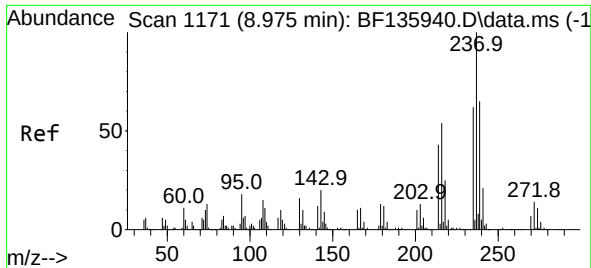
10/31/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 49.462 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

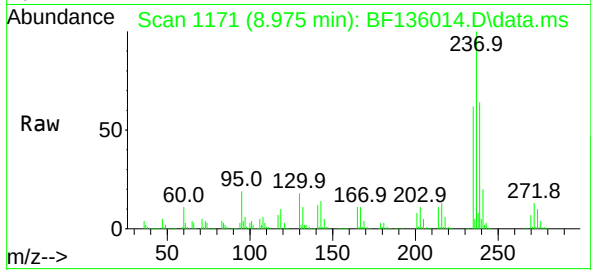
Tgt Ion:216 Resp: 473636  
Ion Ratio Lower Upper  
216 100  
214 79.9 63.3 94.9  
179 21.6 17.3 25.9  
108 19.4 15.2 22.8





#41  
Hexachlorocyclopentadiene  
Concen: 91.854 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



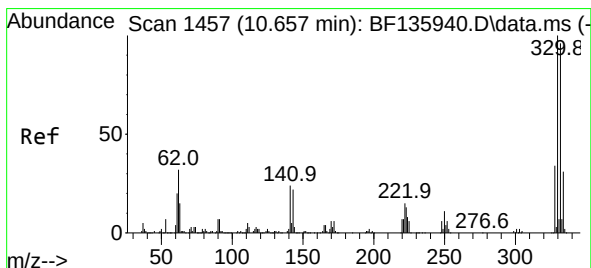
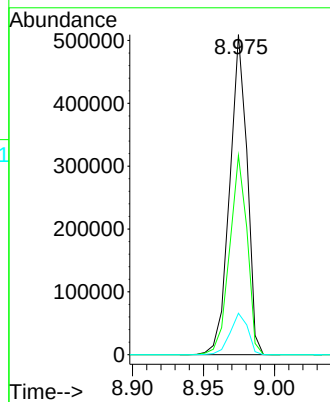
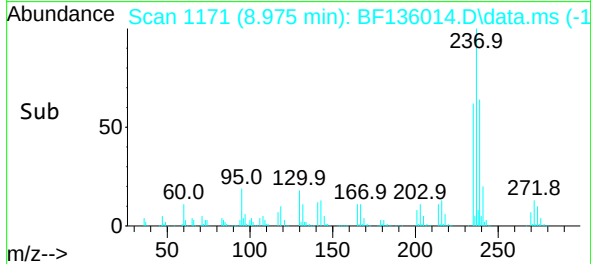
Tgt Ion: 237 Resp: 433700  
Ion Ratio Lower Upper  
237 100  
235 62.3 41.7 81.7  
272 13.0 0.0 33.6

Manual Integrations  
APPROVED

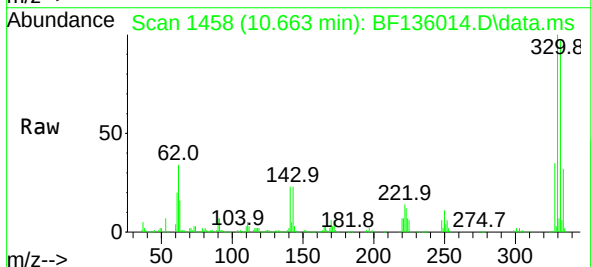
Reviewed By : Yogesh  
Patel

10/31/2023  
Supervised By : mohammad  
ahmed

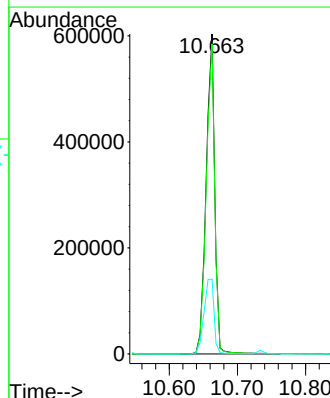
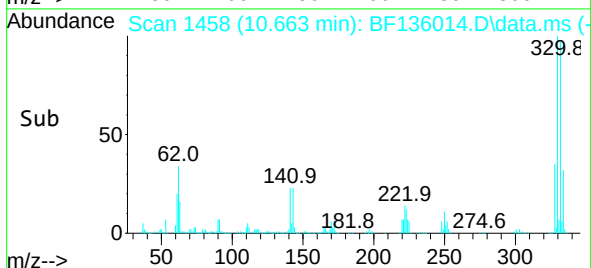
10/31/2023



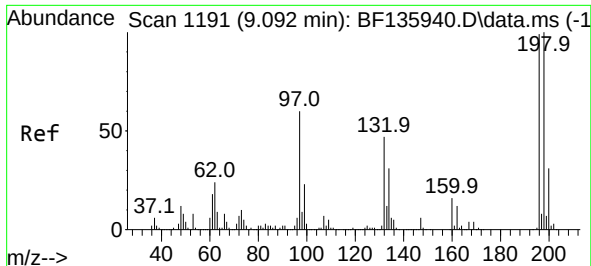
#42  
2,4,6-Tribromophenol  
Concen: 178.170 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



Tgt Ion: 330 Resp: 528730  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.4 116.2  
141 27.4 24.9 37.3







#43

2,4,6-Trichlorophenol

Concen: 58.132 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD

Tgt Ion:196 Resp: 325804  
 Ion Ratio Lower Upper  
 196 100  
 198 98.5 81.0 121.4  
 200 32.3 25.4 38.0

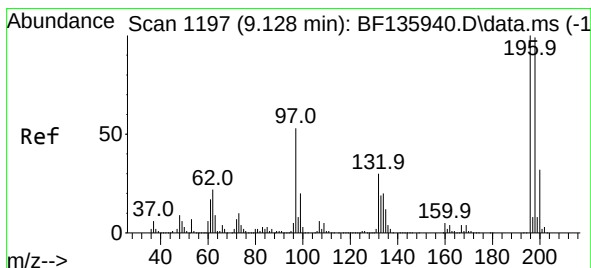
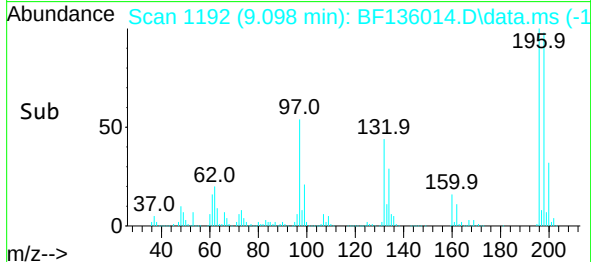
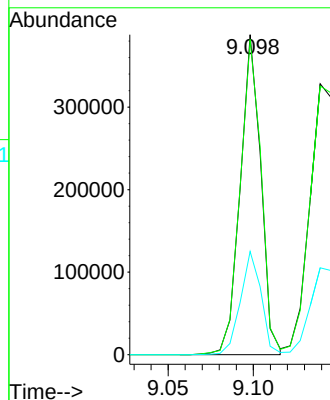
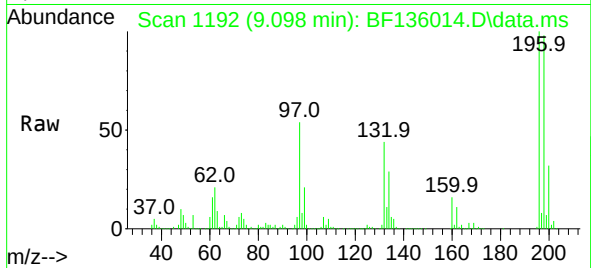
Manual Integrations  
 APPROVED

Reviewed By :Yogesh  
 Patel

10/31/2023

Supervised By :mohammad  
 ahmed

10/31/2023



#44

2,4,5-Trichlorophenol

Concen: 54.432 ng

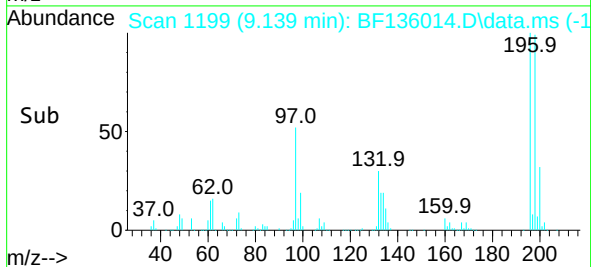
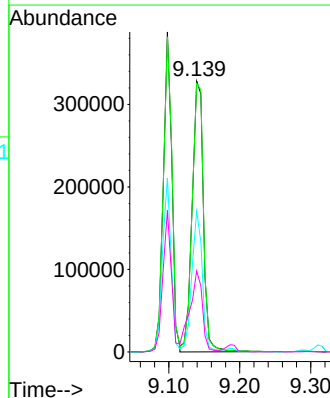
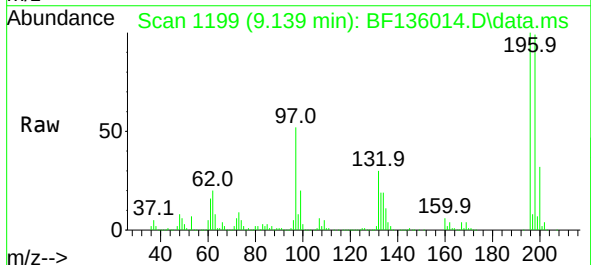
RT: 9.139 min Scan# 1199

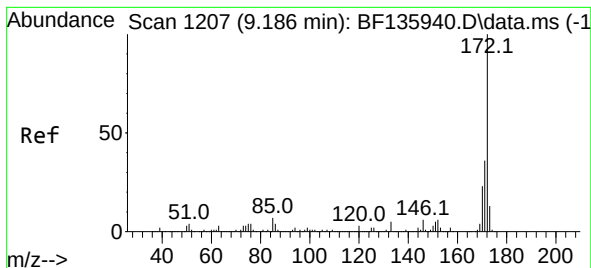
Delta R.T. 0.012 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

Tgt Ion:196 Resp: 362211  
 Ion Ratio Lower Upper  
 196 100  
 198 99.2 79.1 118.7  
 97 52.0 42.3 63.5  
 132 29.9 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 89.899 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD

Tgt Ion:172 Resp: 190344

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.0 18.6 28.0

Manual Integrations

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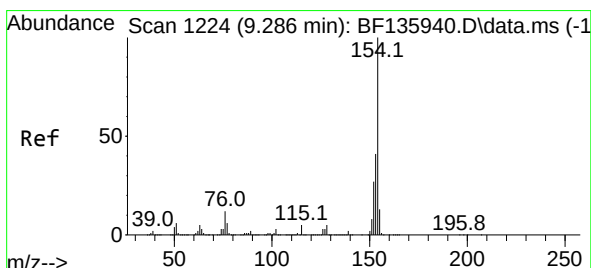
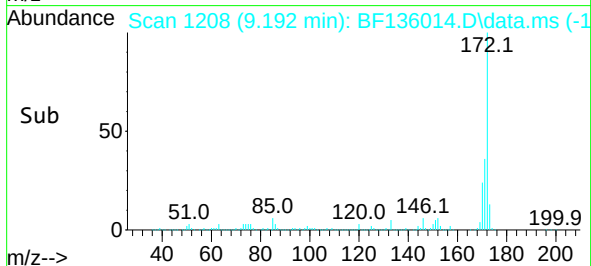
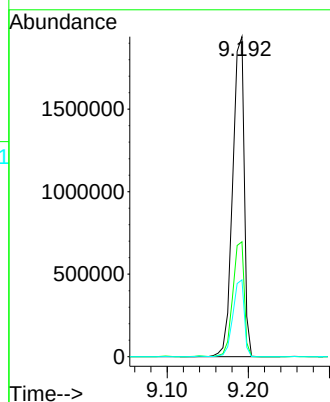
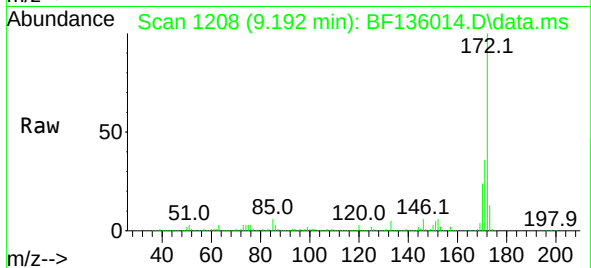
Reviewed By :Yogesh

Patel

10/31/2023

Supervised By :mohammad  
ahmed

10/31/2023



#46

1,1'-Biphenyl

Concen: 49.614 ng

RT: 9.292 min Scan# 1225

Delta R.T. 0.006 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

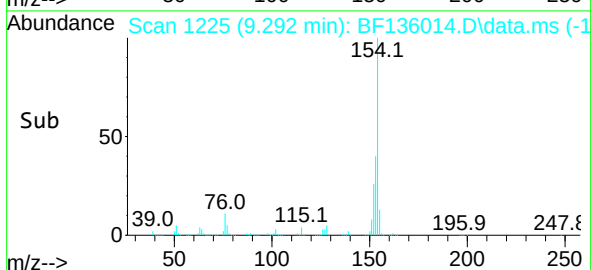
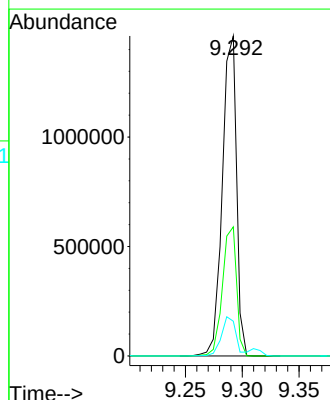
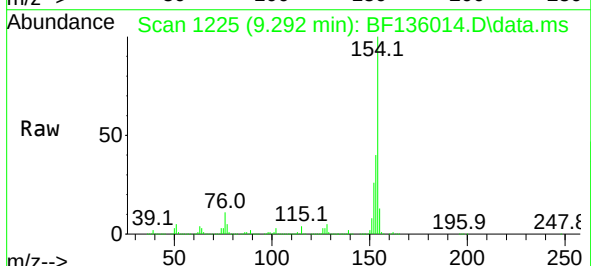
Tgt Ion:154 Resp: 1274580

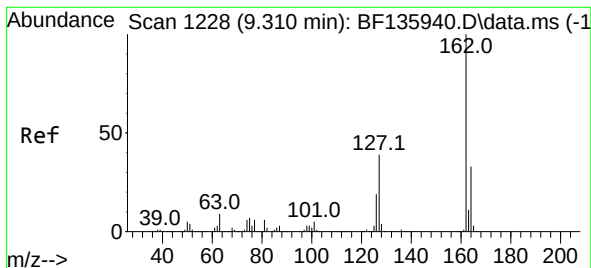
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 10.8 0.0 32.4





#47

2-Chloronaphthalene

Concen: 51.090 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF136014.D

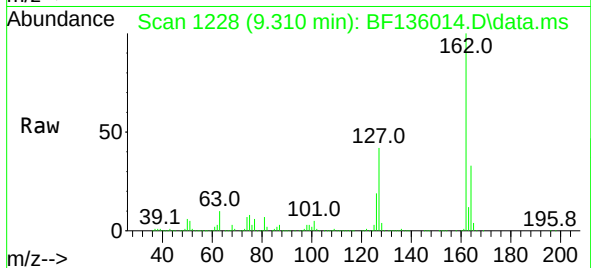
Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD



Tgt Ion: 162 Resp: 970800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 42.1  | 31.0  | 46.4  |
| 164 | 33.0  | 26.6  | 39.8  |

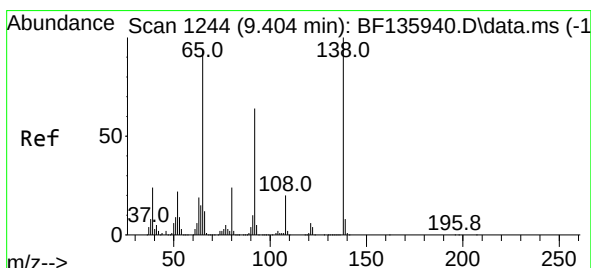
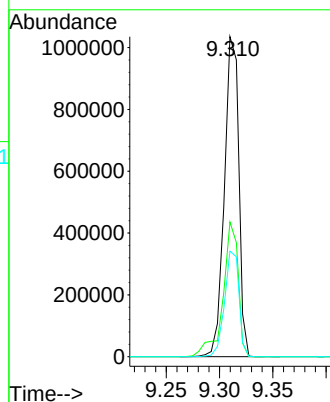
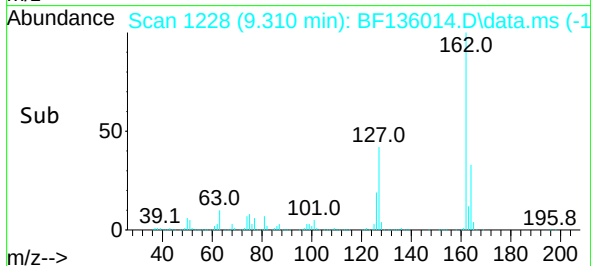
Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

10/31/2023

Supervised By :mohammad  
ahmed

10/31/2023



#48

2-Nitroaniline

Concen: 55.605 ng

RT: 9.410 min Scan# 1245

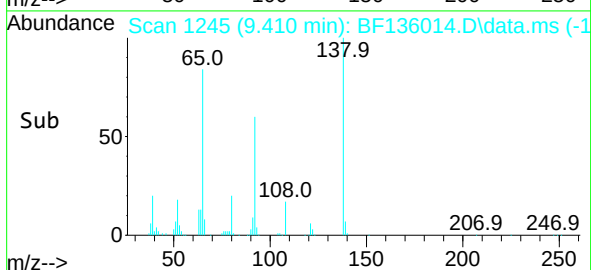
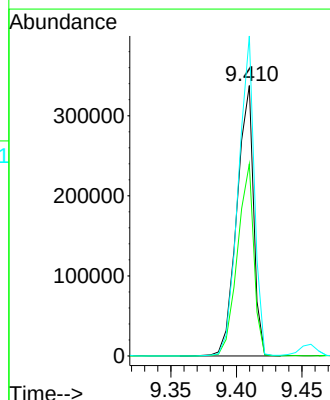
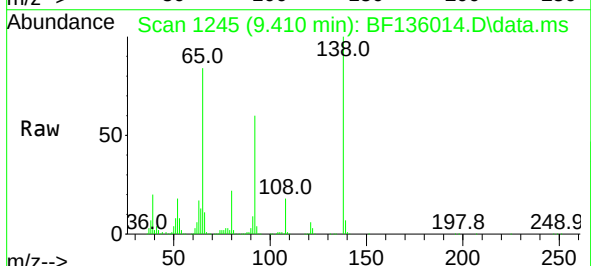
Delta R.T. 0.006 min

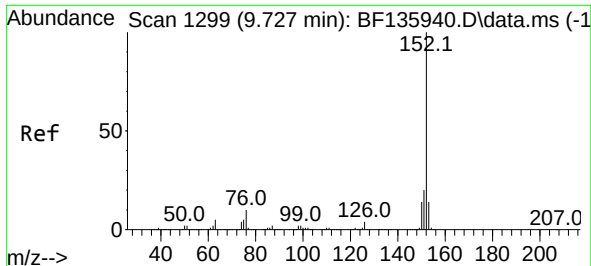
Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

Tgt Ion: 65 Resp: 299294

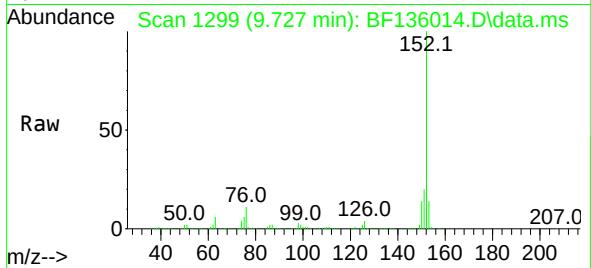
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 71.0  | 54.9  | 82.3  |
| 138 | 118.4 | 85.2  | 127.8 |





#49  
Acenaphthylene  
Concen: 51.208 ng  
RT: 9.727 min Scan# 1299  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



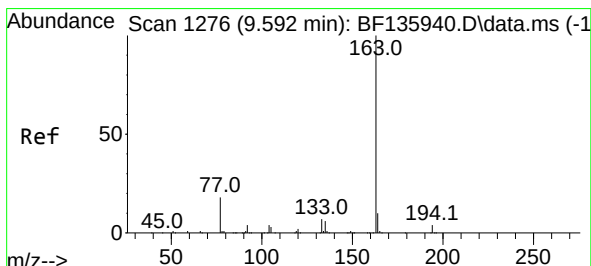
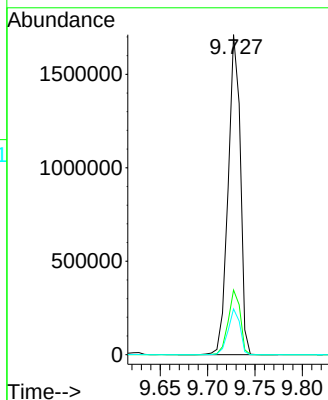
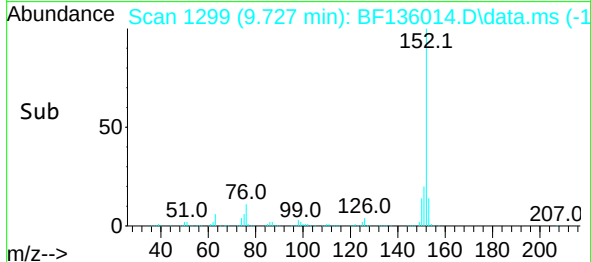
Tgt Ion:152 Resp: 1535060  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.0 24.0  
153 14.3 11.0 16.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

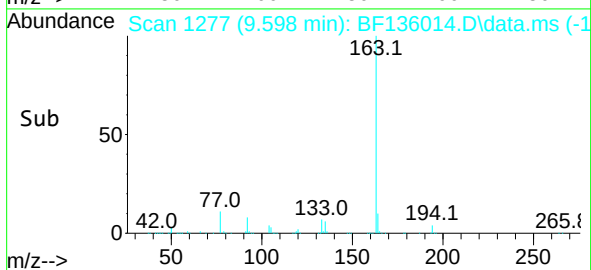
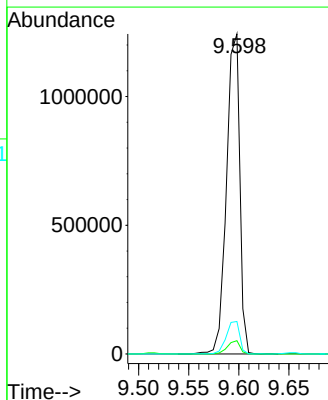
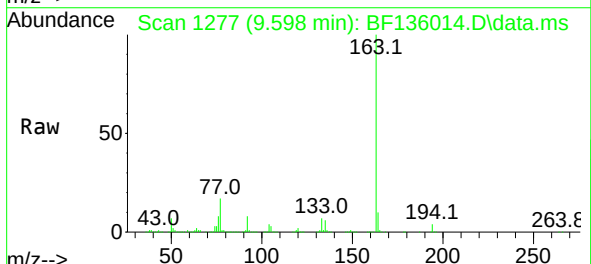
10/31/2023  
Supervised By :mohammad  
ahmed

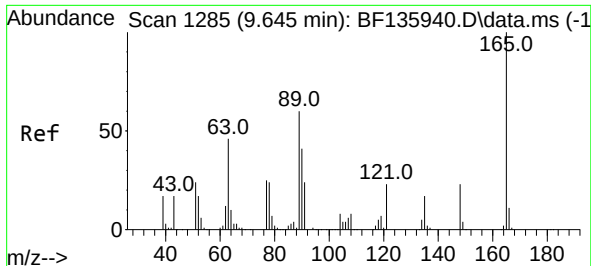
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#50  
Dimethylphthalate  
Concen: 51.851 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

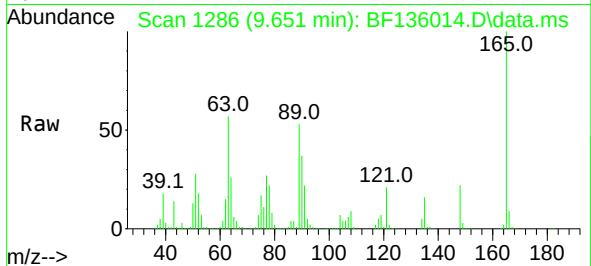
Tgt Ion:163 Resp: 1140011  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.1 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 56.922 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



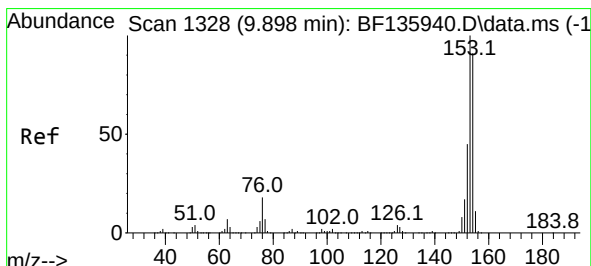
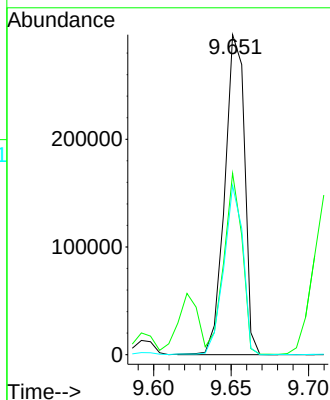
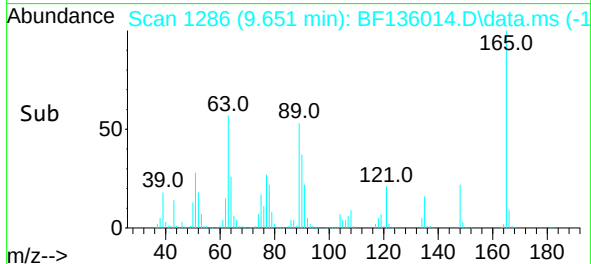
Tgt Ion:165 Resp: 264040  
Ion Ratio Lower Upper  
165 100  
63 56.7 51.7 77.5  
89 52.8 48.3 72.5

Manual Integrations  
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Reviewed By :Yogesh  
Patel

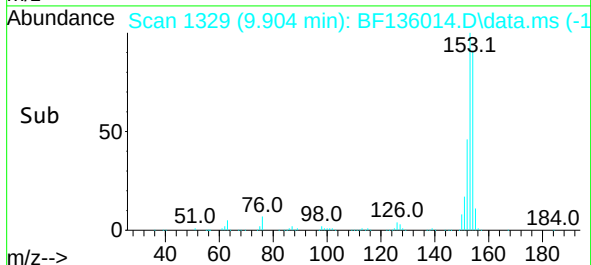
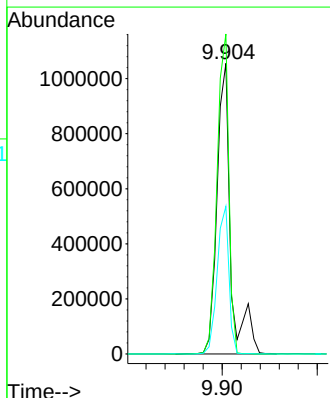
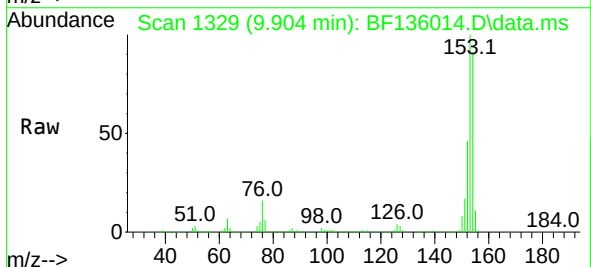
10/31/2023  
Supervised By :mohammad  
ahmed

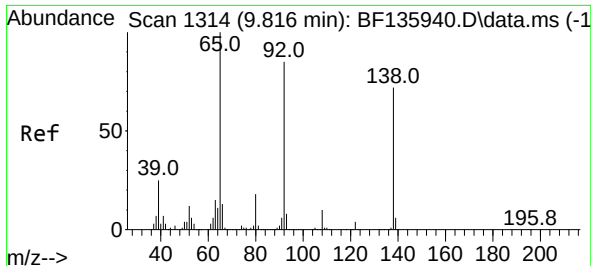
10/31/2023



#52  
Acenaphthene  
Concen: 54.860 ng m  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

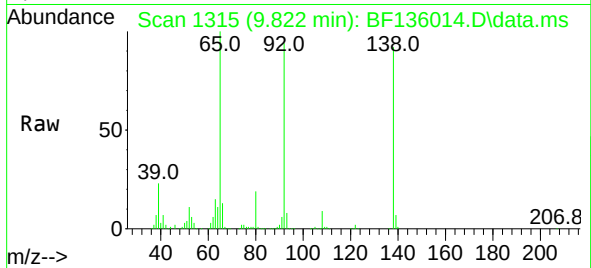
Tgt Ion:154 Resp: 1053945  
Ion Ratio Lower Upper  
154 100  
153 110.1 88.0 132.0  
152 50.8 39.4 59.2





#53  
3-Nitroaniline  
Concen: 33.058 ng  
RT: 9.822 min Scan# 1314  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



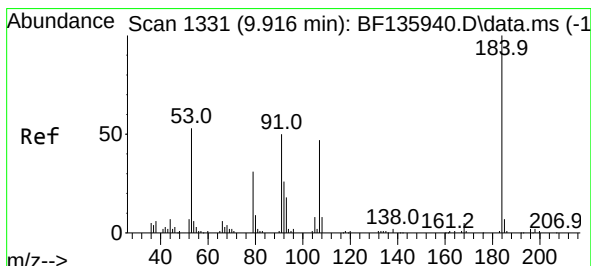
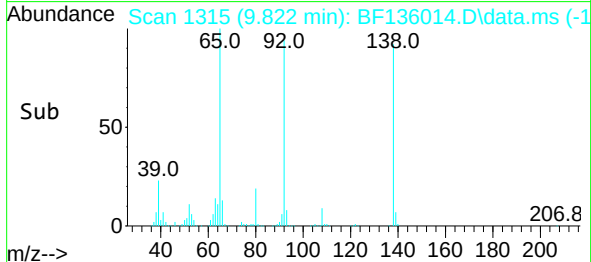
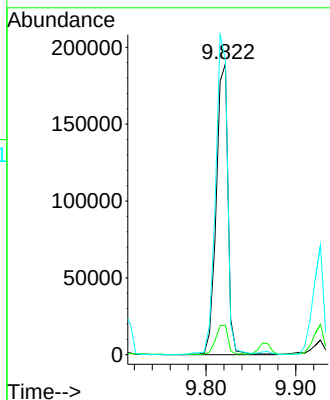
Tgt Ion:138 Resp: 171745  
Ion Ratio Lower Upper  
138 100  
108 10.2 11.3 16.9  
92 101.4 95.0 142.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

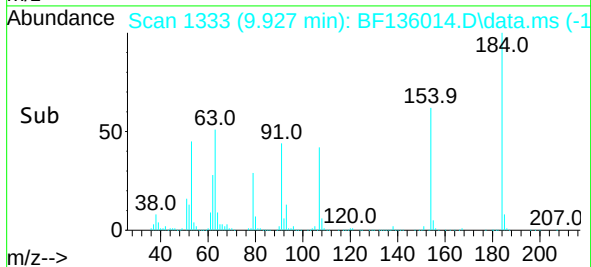
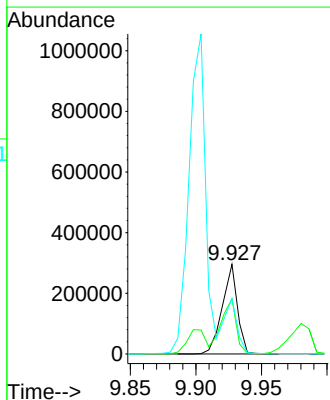
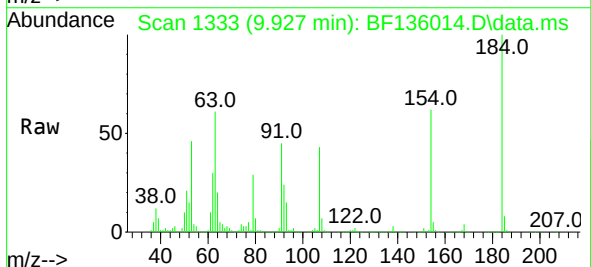
10/31/2023  
Supervised By :mohammad  
ahmed

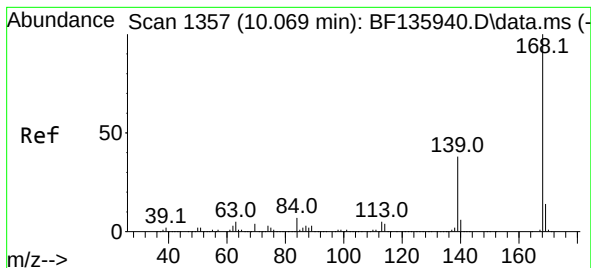
10/31/2023



#54  
2,4-Dinitrophenol  
Concen: 106.446 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. 0.011 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

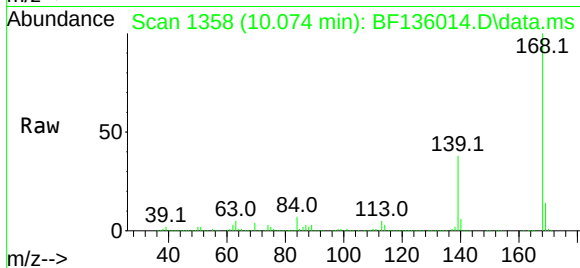
Tgt Ion:184 Resp: 238160  
Ion Ratio Lower Upper  
184 100  
63 61.4 56.3 84.5  
154 61.8 48.1 72.1





#55  
Dibenzenofuran  
Concen: 48.727 ng  
RT: 10.074 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



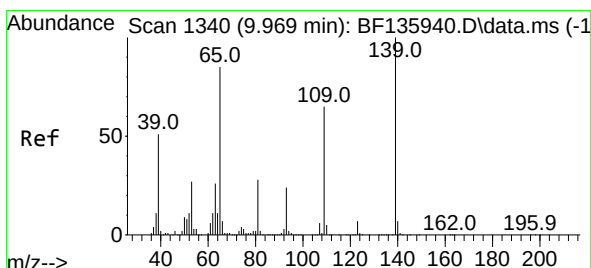
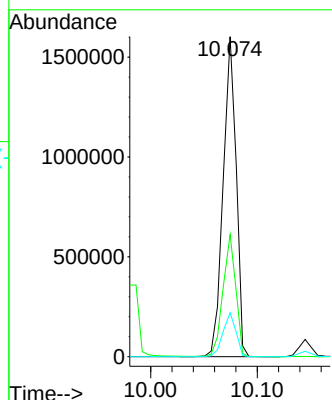
Tgt Ion:168 Resp: 1352372  
Ion Ratio Lower Upper  
168 100  
139 38.2 30.7 46.1  
169 13.7 11.1 16.7

Manual Integrations  
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Reviewed By :Yogesh  
Patel

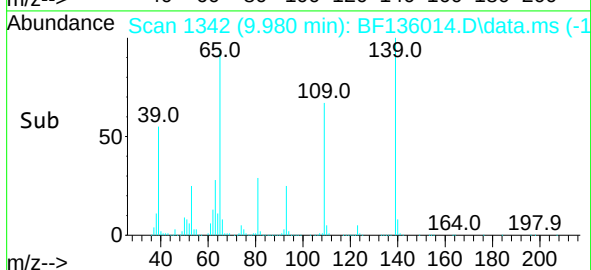
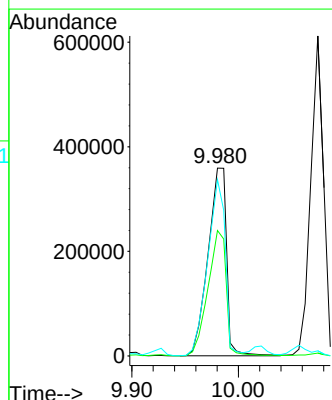
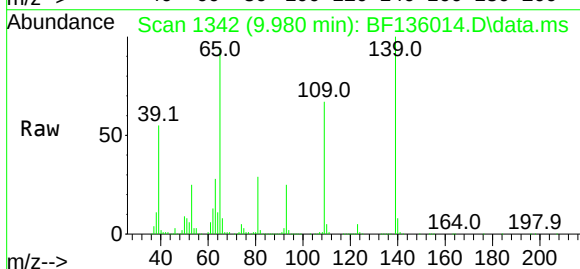
10/31/2023  
Supervised By :mohammad  
ahmed

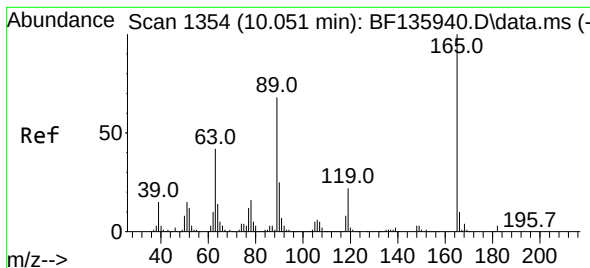
10/31/2023



#56  
4-Nitrophenol  
Concen: 96.646 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.011 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

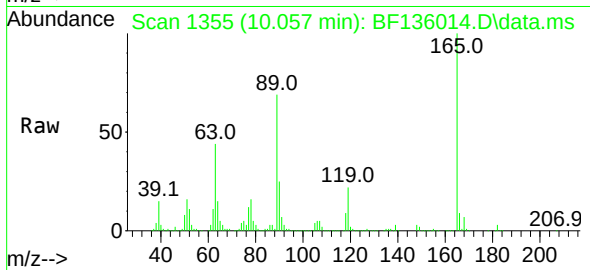
Tgt Ion:139 Resp: 434844  
Ion Ratio Lower Upper  
139 100  
109 66.7 45.2 85.2  
65 93.8 65.1 105.1





#57  
2,4-Dinitrotoluene  
Concen: 59.775 ng  
RT: 10.057 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



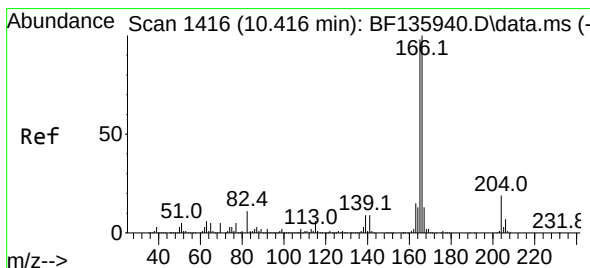
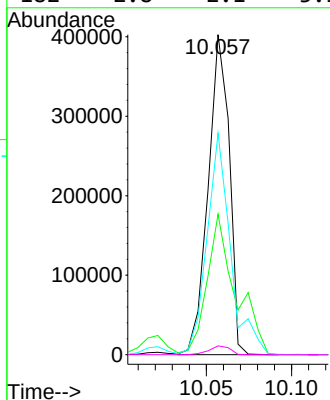
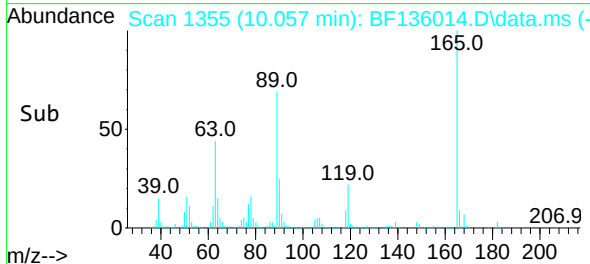
Tgt Ion:165 Resp: 346435  
Ion Ratio Lower Upper  
165 100  
63 43.9 33.7 50.5  
89 69.3 54.6 81.8  
182 2.8 2.1 3.1

Manual Integrations  
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Reviewed By :Yogesh  
Patel

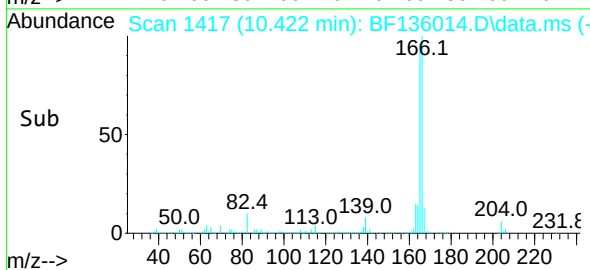
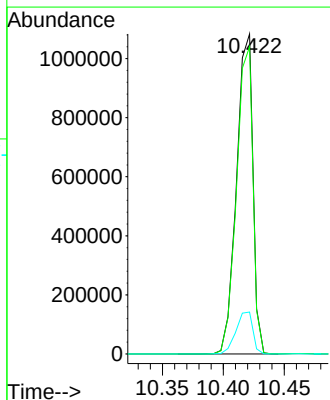
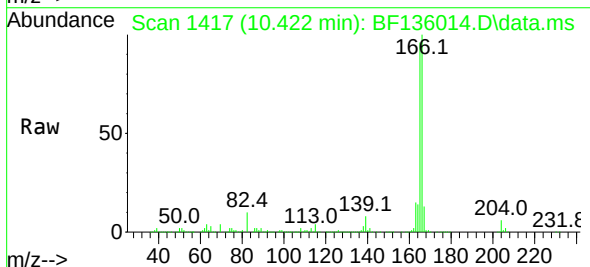
10/31/2023  
Supervised By :mohammad  
ahmed

10/31/2023

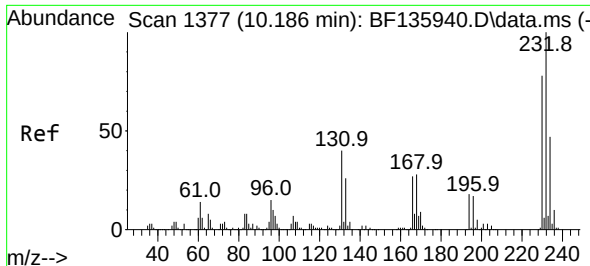


#58  
Fluorene  
Concen: 48.797 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:166 Resp: 1013217  
Ion Ratio Lower Upper  
166 100  
165 96.0 78.0 117.0  
167 13.1 10.6 16.0







#59

2,3,4,6-Tetrachlorophenol

Concen: 59.549 ng

RT: 10.192 min Scan# 1378

Delta R.T. 0.006 min

Lab File: BF136014.D

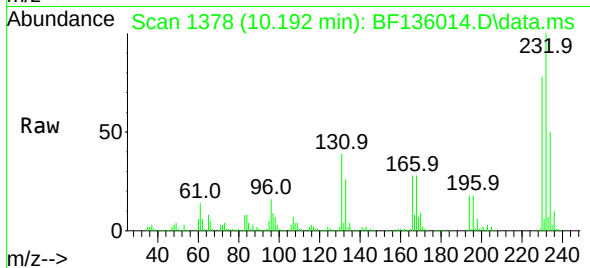
Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD



Tgt Ion:232 Resp: 298184

Ion Ratio Lower Upper

232 100

131 43.0 35.2 52.8

130 2.2 1.7 2.5

166 29.5 23.1 34.7

Manual Integrations

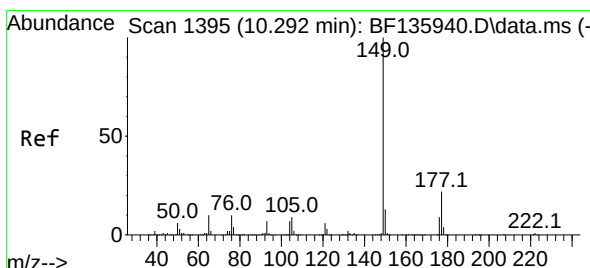
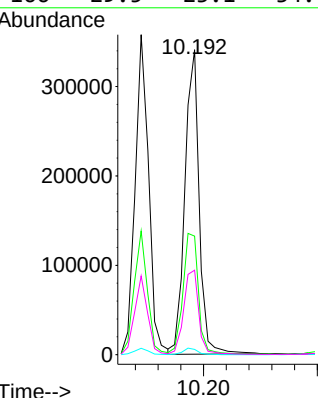
APPROVED

Reviewed By :Yogesh  
Patel

10/31/2023

Supervised By :mohammad  
ahmed

10/31/2023



#60

Diethylphthalate

Concen: 51.840 ng

RT: 10.298 min Scan# 1396

Delta R.T. 0.006 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

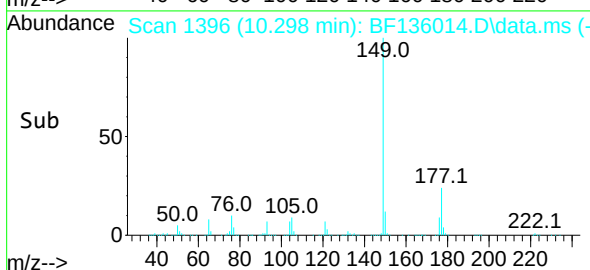
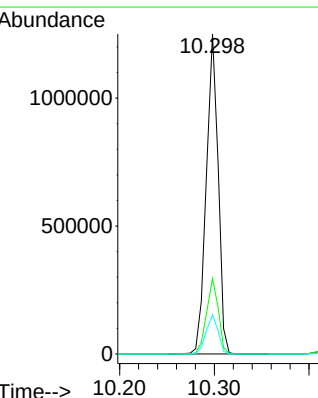
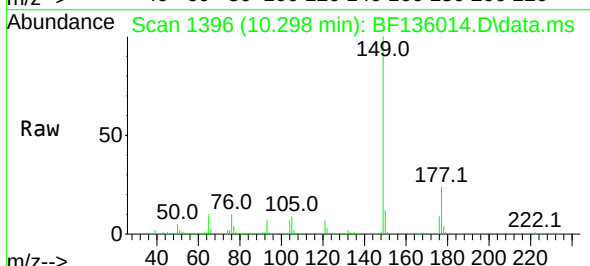
Tgt Ion:149 Resp: 1086869

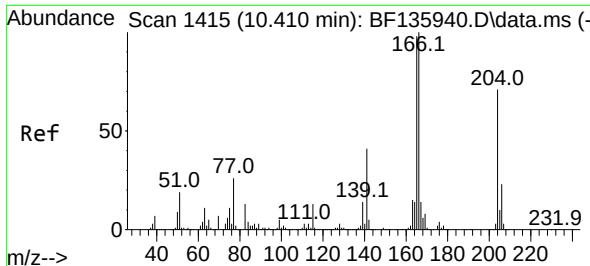
Ion Ratio Lower Upper

149 100

177 23.6 17.9 26.9

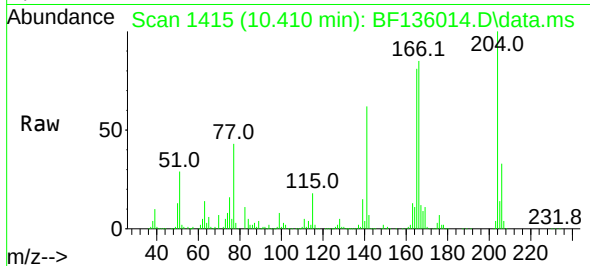
150 12.3 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 48.907 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



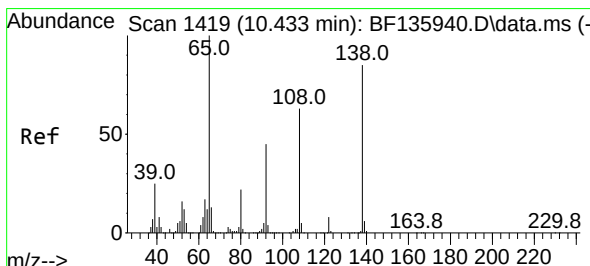
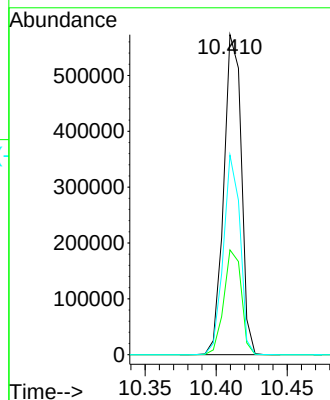
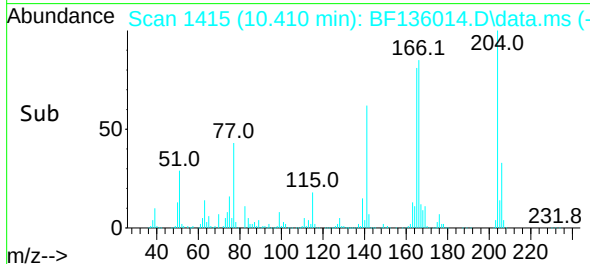
Tgt Ion:204 Resp: 48985  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.4 39.6  
141 62.4 46.2 69.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

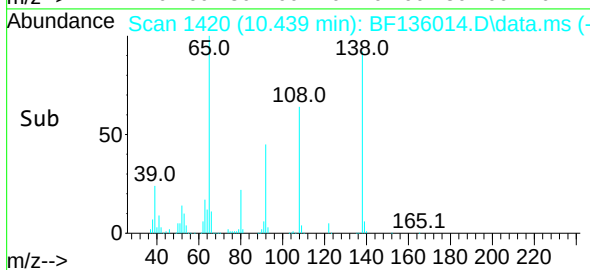
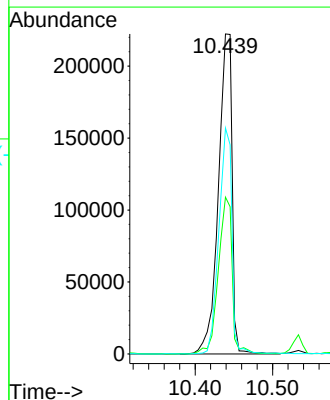
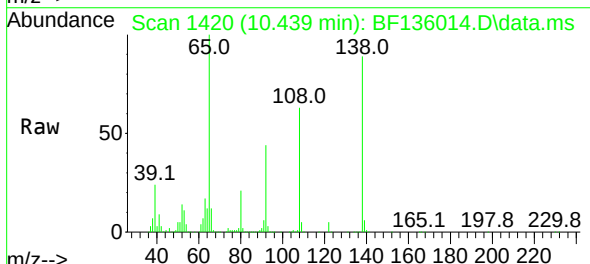
10/31/2023  
Supervised By :mohammad  
ahmed

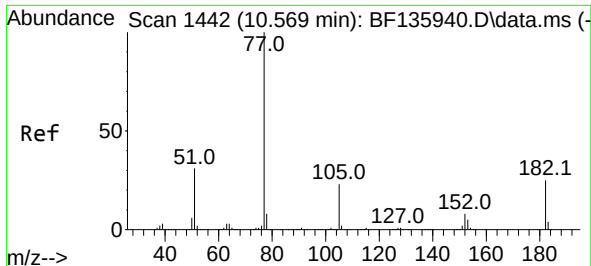
10/31/2023



#62  
4-Nitroaniline  
Concen: 50.439 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

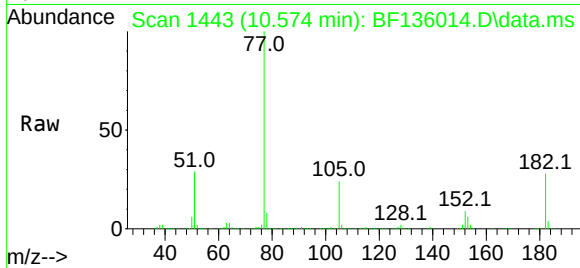
Tgt Ion:138 Resp: 273803  
Ion Ratio Lower Upper  
138 100  
92 49.0 32.9 72.9  
108 70.6 53.5 93.5





#63  
Azobenzene  
Concen: 48.824 ng  
RT: 10.574 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



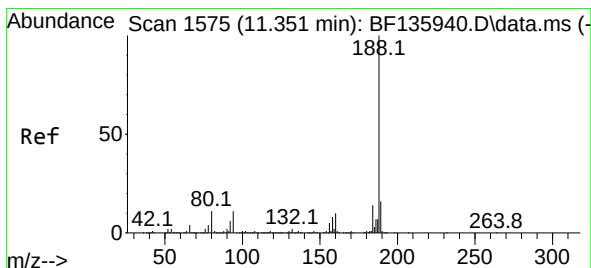
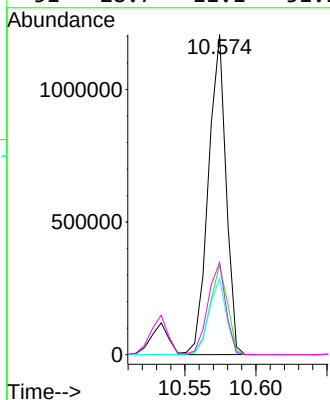
Tgt Ion: 77 Resp: 1038810  
Ion Ratio Lower Upper  
77 100  
182 28.1 5.1 45.1  
105 23.7 2.8 42.8  
51 28.7 11.1 51.1

Manual Integrations  
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Reviewed By :Yogesh  
Patel

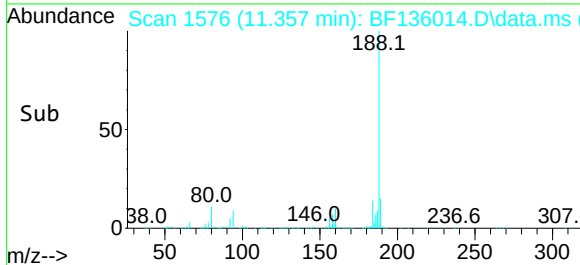
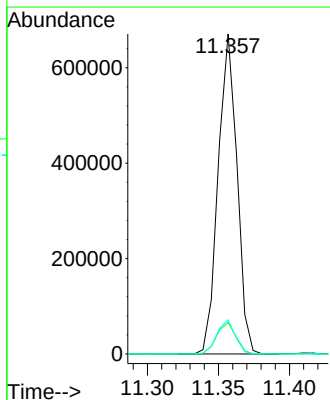
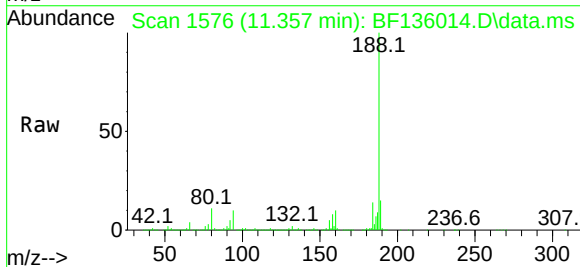
10/31/2023  
Supervised By :mohammad  
ahmed

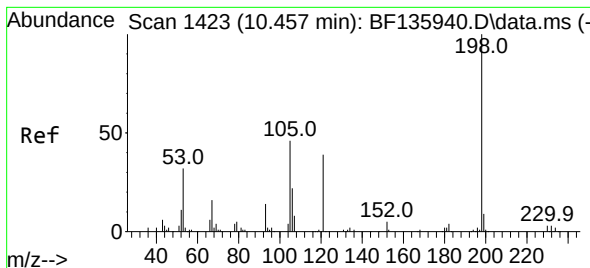
10/31/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

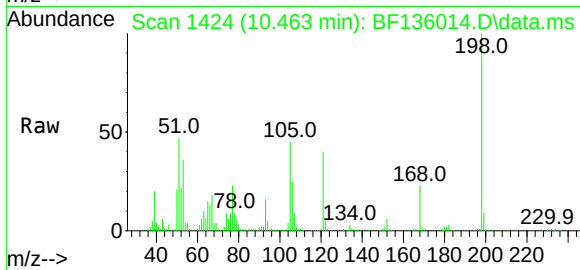
Tgt Ion:188 Resp: 619055  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.6 13.0  
80 10.7 9.0 13.6





#65  
4,6-Dinitro-2-methylphenol  
Concen: 66.850 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



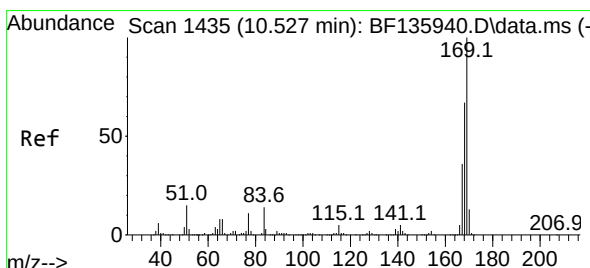
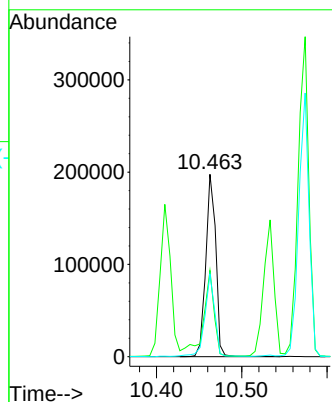
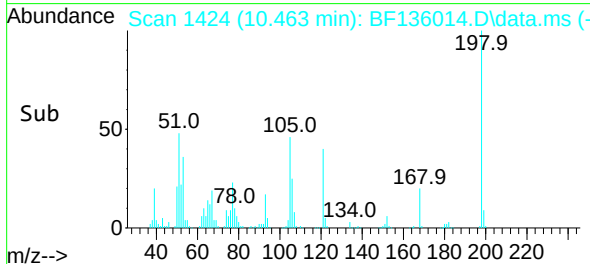
Tgt Ion:198 Resp: 161208  
Ion Ratio Lower Upper  
198 100  
51 47.3 28.7 68.7  
105 45.3 27.2 67.2

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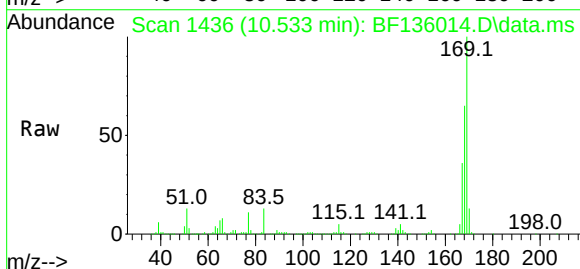
Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

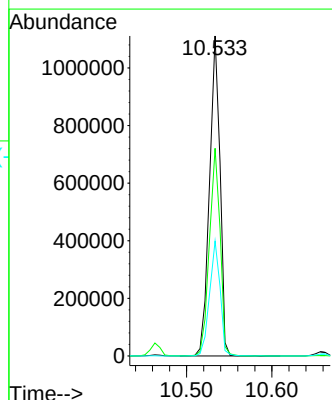
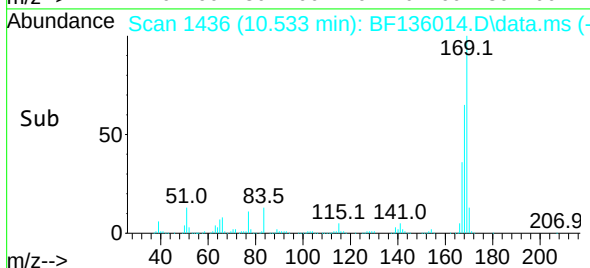
10/31/2023

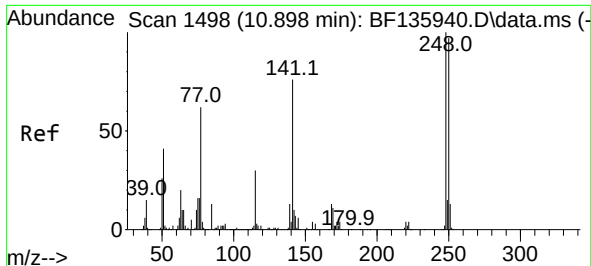


#66  
n-Nitrosodiphenylamine  
Concen: 50.893 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



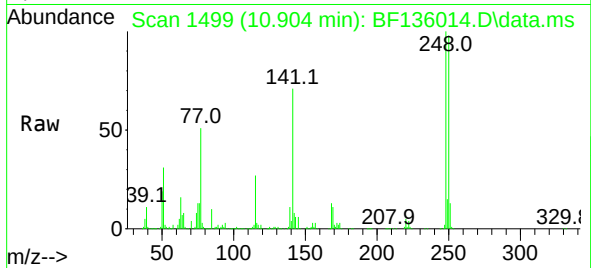
Tgt Ion:169 Resp: 951783  
Ion Ratio Lower Upper  
169 100  
168 64.9 53.5 80.3  
167 35.9 29.0 43.4





#67  
4-Bromophenyl-phenylether  
Concen: 52.827 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



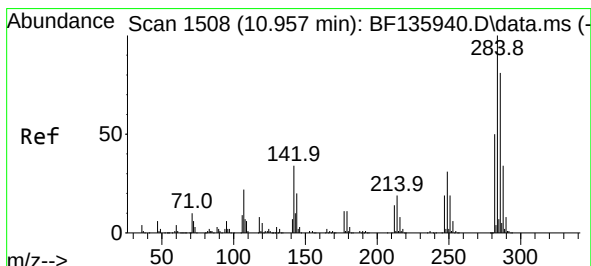
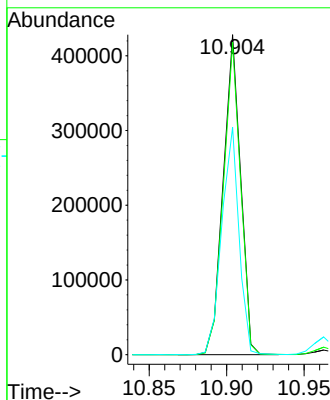
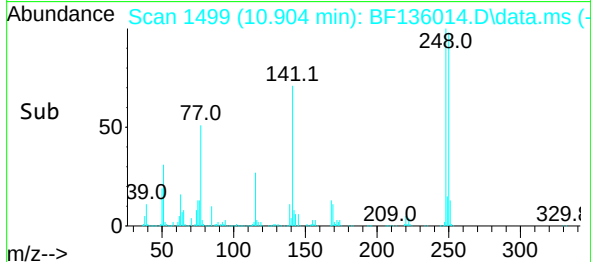
Tgt Ion:248 Resp: 334910  
Ion Ratio Lower Upper  
248 100  
250 97.6 77.9 116.9  
141 71.1 60.8 91.2

Manual Integrations  
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Reviewed By :Yogesh  
Patel

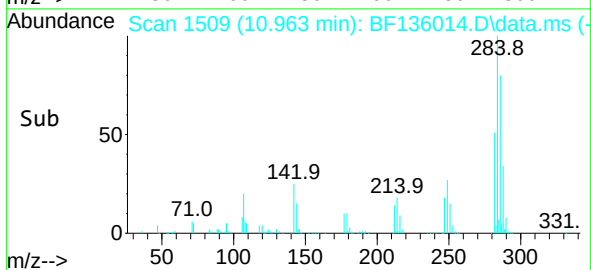
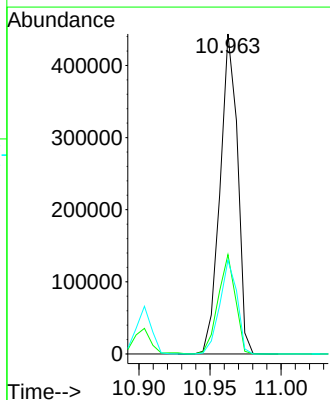
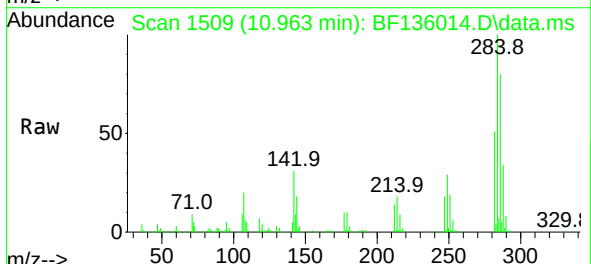
10/31/2023  
Supervised By :mohammad  
ahmed

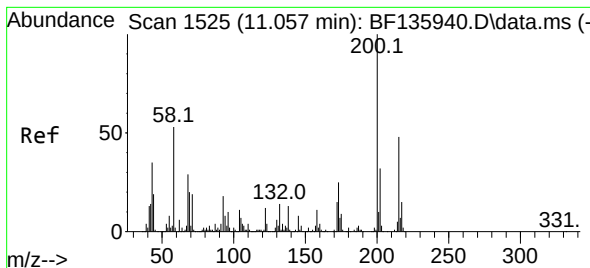
10/31/2023



#68  
Hexachlorobenzene  
Concen: 56.032 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:284 Resp: 379476  
Ion Ratio Lower Upper  
284 100  
142 31.1 27.6 41.4  
249 29.3 24.7 37.1





#69

Atrazine

Concen: 66.337 ng

RT: 11.069 min Scan# 1527

Delta R.T. 0.012 min

Lab File: BF136014.D

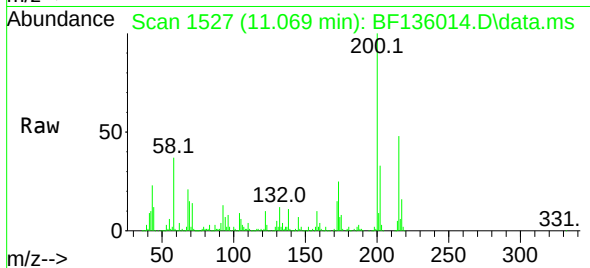
Acq: 28 Oct 2023 19:44

Instrument :

BNA\_F

ClientSampleId :

OR-603-COMP-05MSD



Tgt Ion:200 Resp: 338200

Ion Ratio Lower Upper

200 100

173 24.6 5.5 45.5

215 47.7 27.5 67.5

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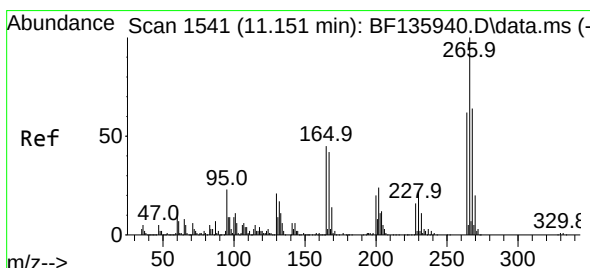
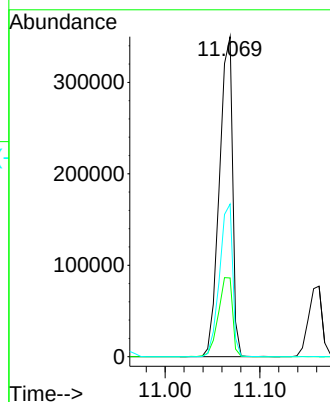
APPROVED

Reviewed By :Yogesh  
Patel

10/31/2023

Supervised By :mohammad  
ahmed

10/31/2023



#70

Pentachlorophenol

Concen: 98.651 ng

RT: 11.163 min Scan# 1543

Delta R.T. 0.012 min

Lab File: BF136014.D

Acq: 28 Oct 2023 19:44

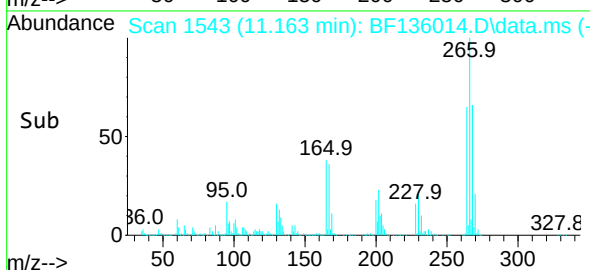
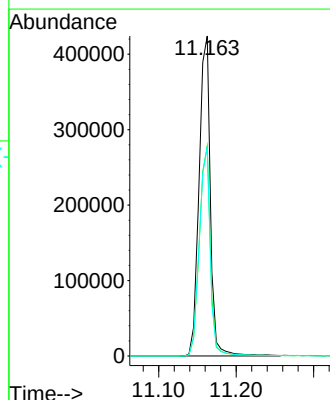
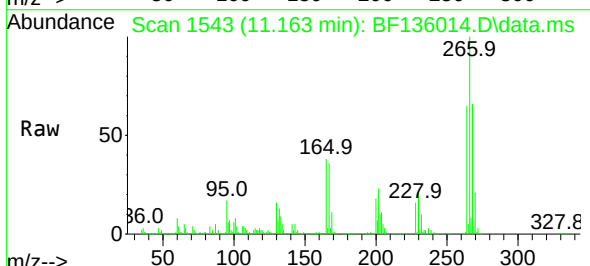
Tgt Ion:266 Resp: 428066

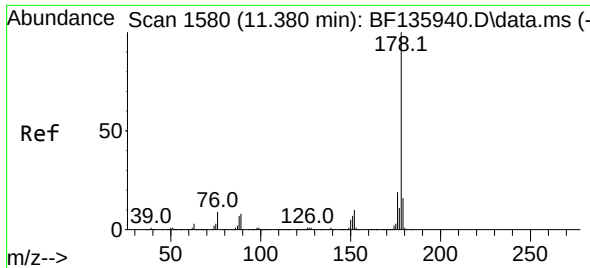
Ion Ratio Lower Upper

266 100

268 65.6 50.8 76.2

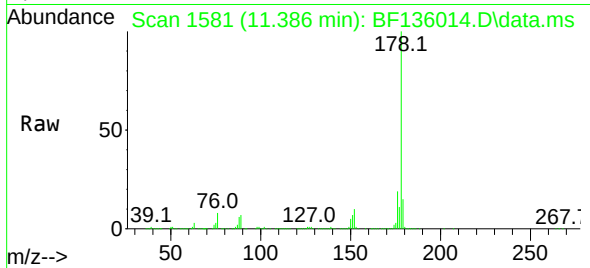
264 65.1 49.8 74.6





#71  
Phenanthrene  
Concen: 50.634 ng  
RT: 11.386 min Scan# 1580  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



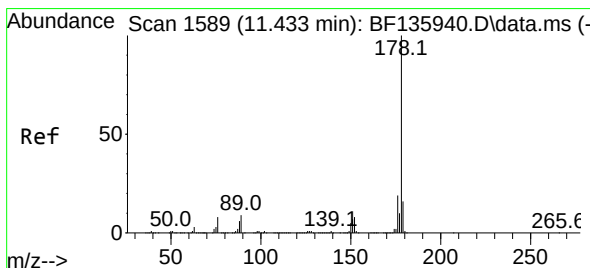
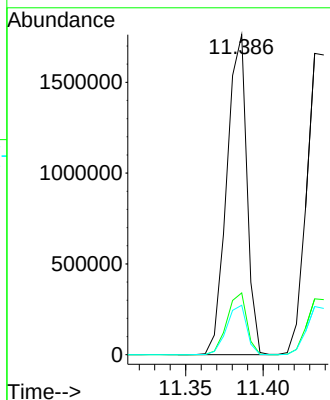
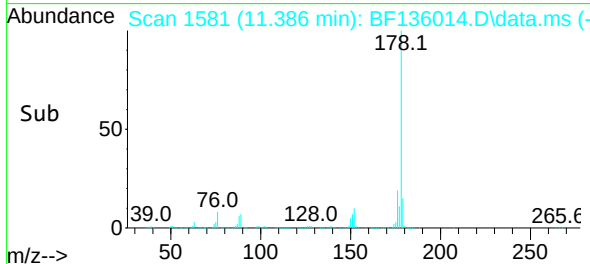
Tgt Ion:178 Resp: 1585829  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.2  
179 15.4 12.5 18.7

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

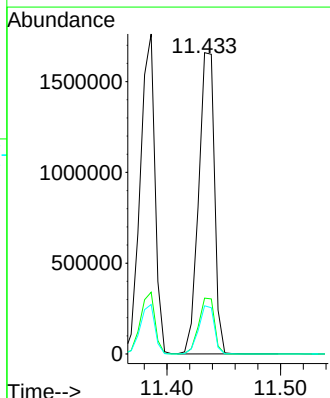
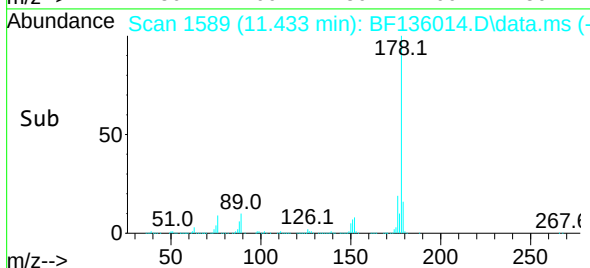
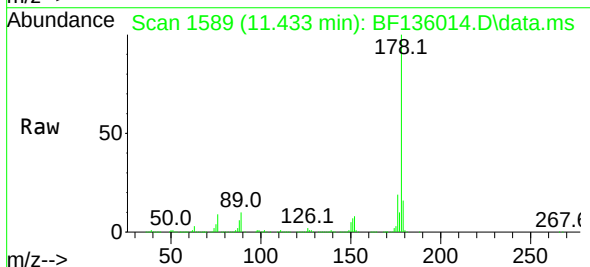
10/31/2023  
Supervised By :mohammad  
ahmed

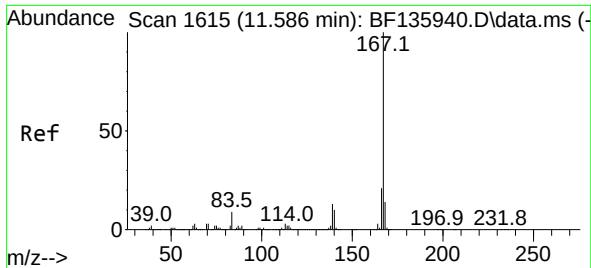
10/31/2023



#72  
Anthracene  
Concen: 50.070 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

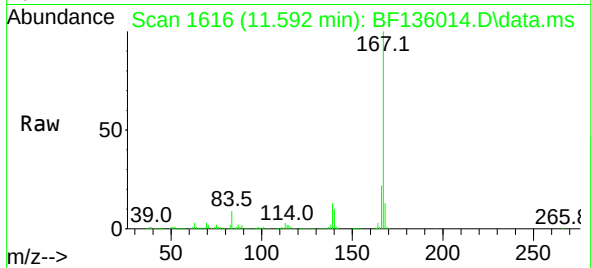
Tgt Ion:178 Resp: 1605699  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 16.0 12.5 18.7





#73  
Carbazole  
Concen: 49.881 ng  
RT: 11.592 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



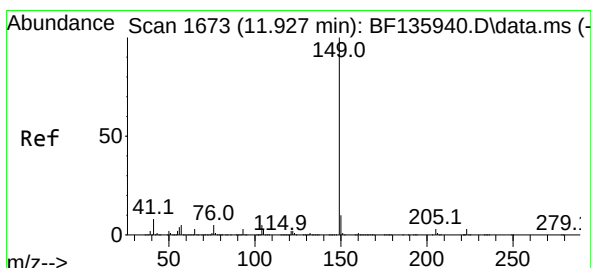
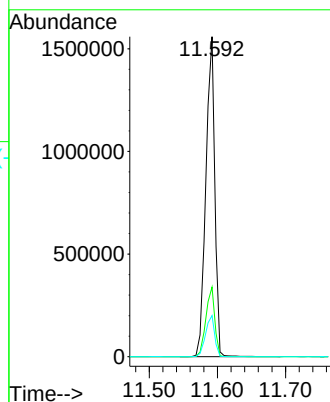
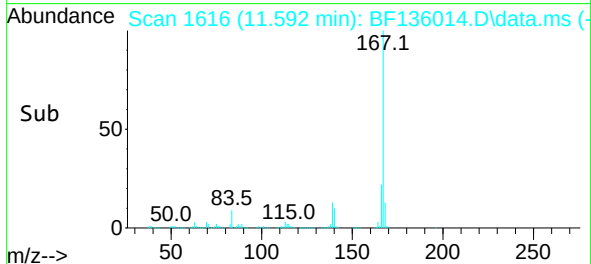
Tgt Ion:167 Resp: 142696  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.0 25.6  
139 12.9 10.4 15.6

Manual Integrations  
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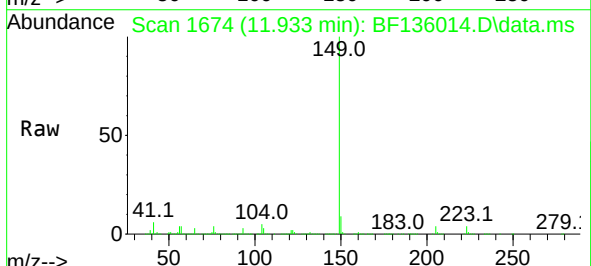
Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

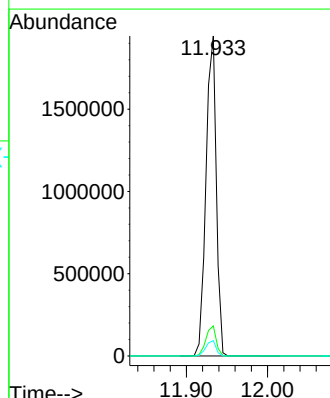
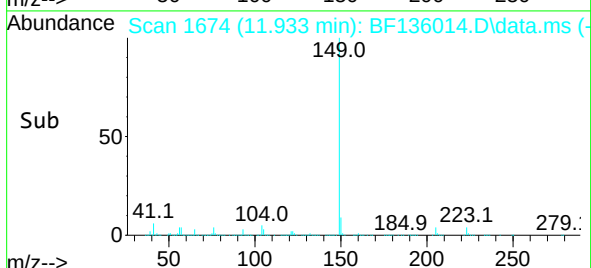
10/31/2023



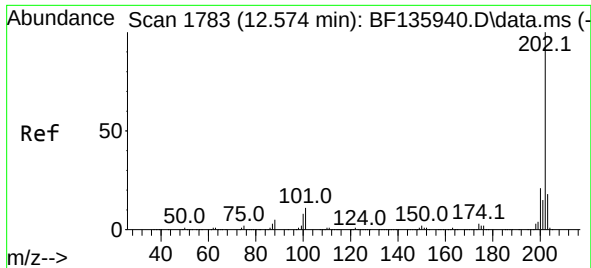
#74  
Di-n-butylphthalate  
Concen: 56.132 ng  
RT: 11.933 min Scan# 1674  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



Tgt Ion:149 Resp: 1708734  
Ion Ratio Lower Upper  
149 100  
150 9.4 7.7 11.5  
104 4.8 3.9 5.9

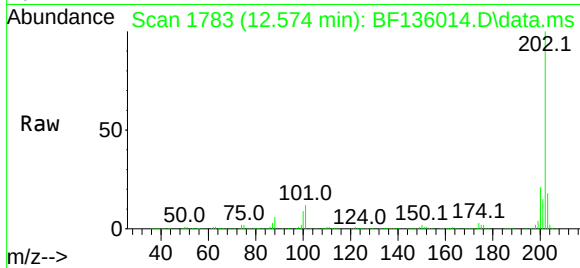






#75  
Fluoranthene  
Concen: 48.238 ng  
RT: 12.574 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



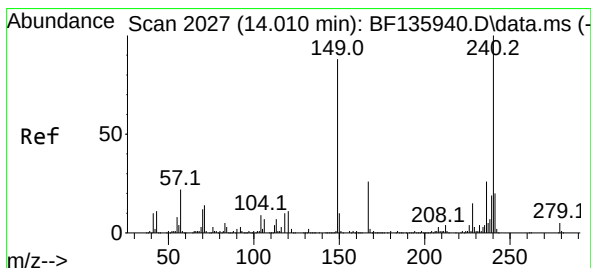
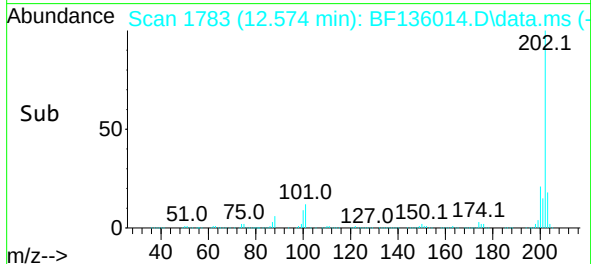
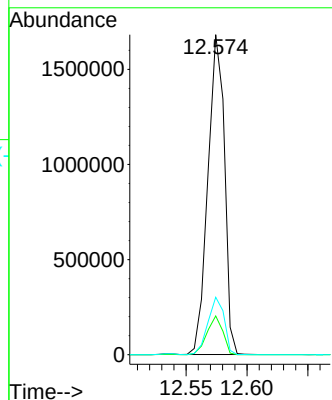
Tgt Ion:202 Resp: 1589430  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 30.6  
203 18.0 0.0 37.5

Manual Integrations  
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Reviewed By :Yogesh  
Patel

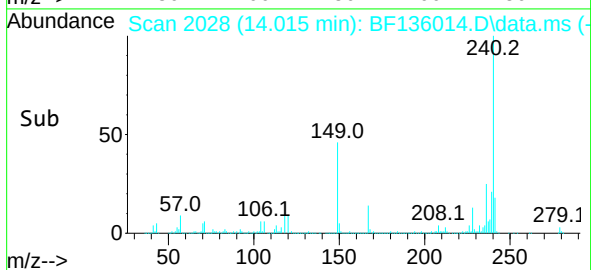
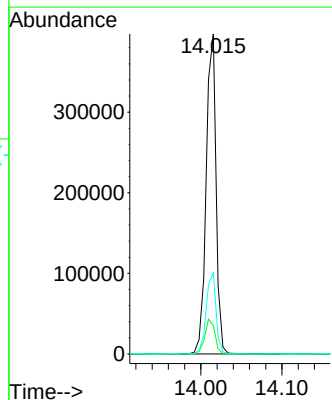
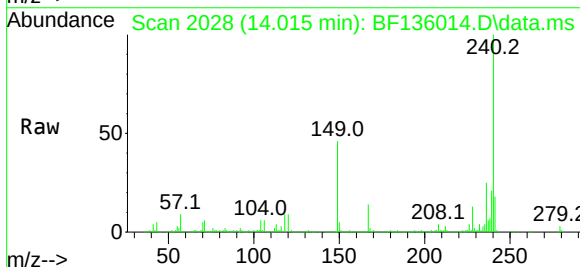
10/31/2023  
Supervised By :mohammad  
ahmed

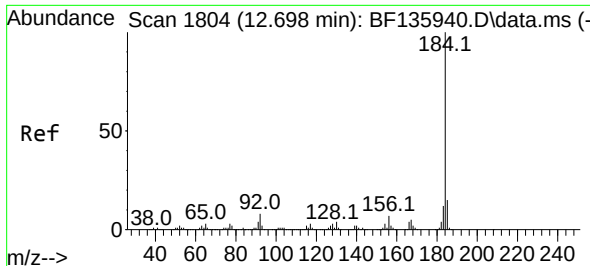
10/31/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.015 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

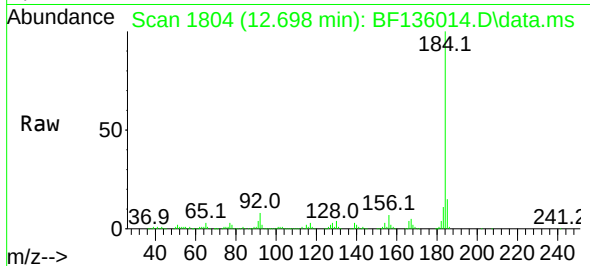
Tgt Ion:240 Resp: 335474  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.6 13.0  
236 25.4 20.6 30.8





#77  
Benzidine  
Concen: 23.671 ng  
RT: 12.698 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



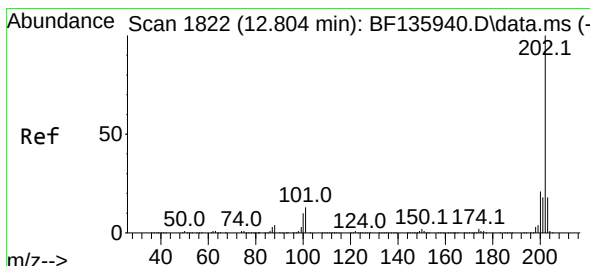
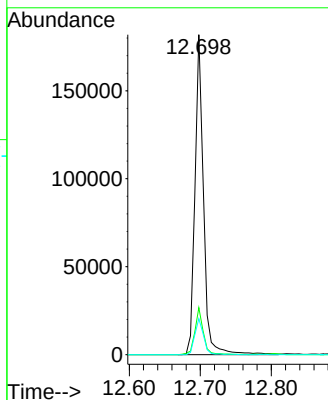
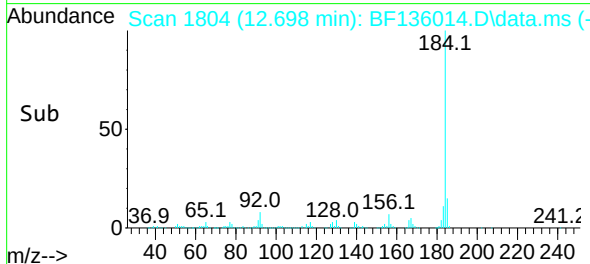
Tgt Ion:184 Resp: 15312  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.7 17.5  
183 11.3 9.2 13.8

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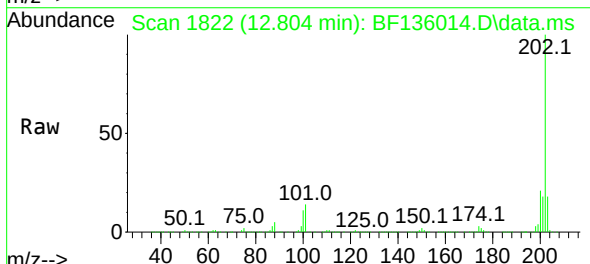
Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

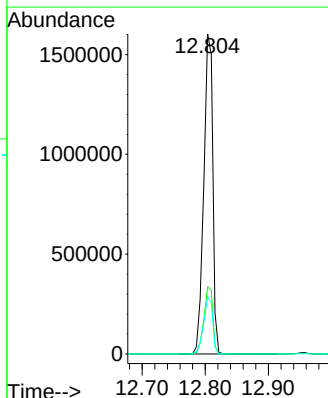
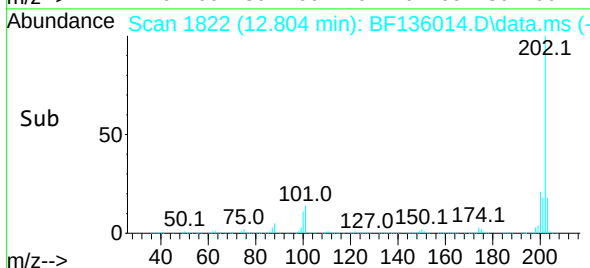
10/31/2023

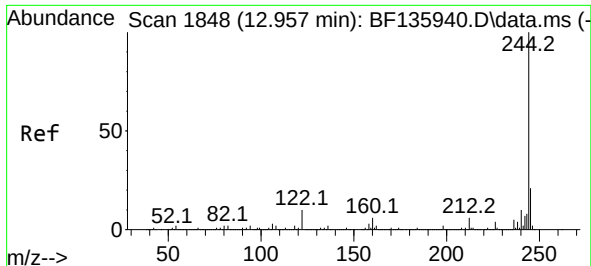


#78  
Pyrene  
Concen: 56.552 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



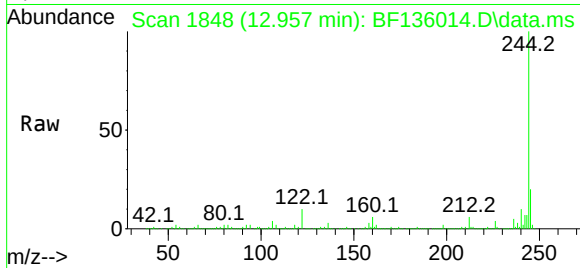
Tgt Ion:202 Resp: 1592950  
Ion Ratio Lower Upper  
202 100  
200 21.0 17.0 25.6  
203 17.9 14.5 21.7





#79  
 Terphenyl-d14  
 Concen: 108.337 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.000 min  
 Lab File: BF136014.D  
 Acq: 28 Oct 2023 19:44

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-603-COMP-05MSD



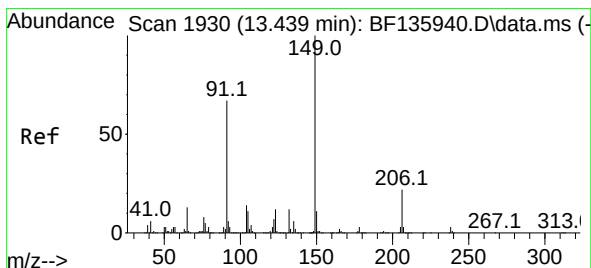
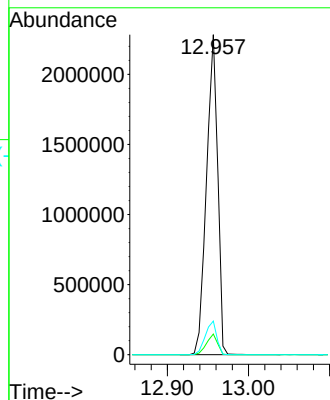
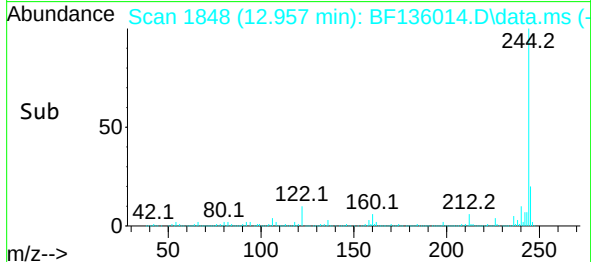
Tgt Ion:244 Resp: 2175302  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.0 7.6  
 122 10.5 8.0 12.0

Manual Integrations  
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Reviewed By :Yogesh  
 Patel

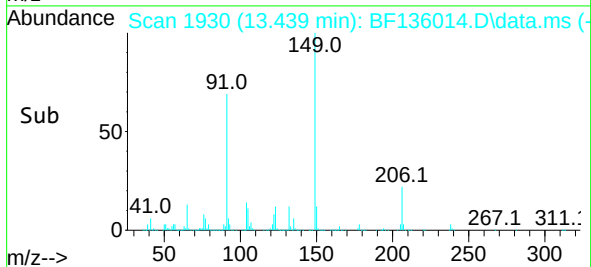
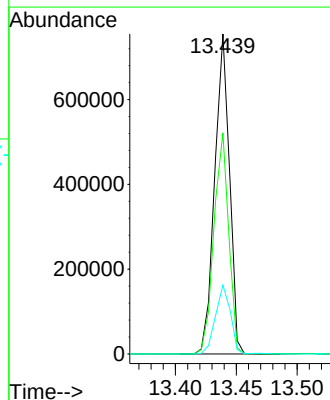
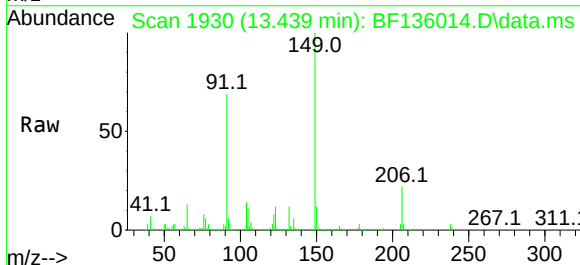
10/31/2023  
 Supervised By :mohammad  
 ahmed

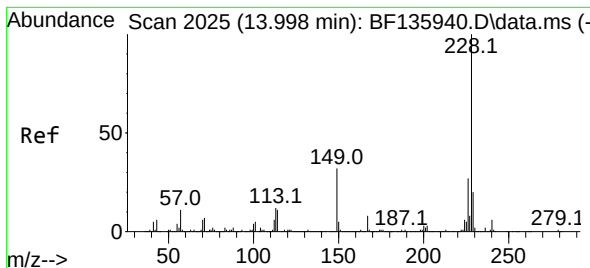
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#80  
 Butylbenzylphthalate  
 Concen: 58.687 ng  
 RT: 13.439 min Scan# 1930  
 Delta R.T. -0.000 min  
 Lab File: BF136014.D  
 Acq: 28 Oct 2023 19:44

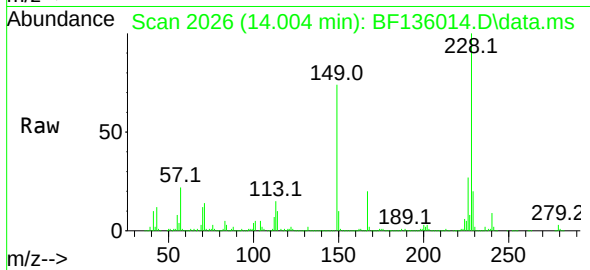
Tgt Ion:149 Resp: 634602  
 Ion Ratio Lower Upper  
 149 100  
 91 69.1 53.4 80.0  
 206 21.5 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 50.534 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



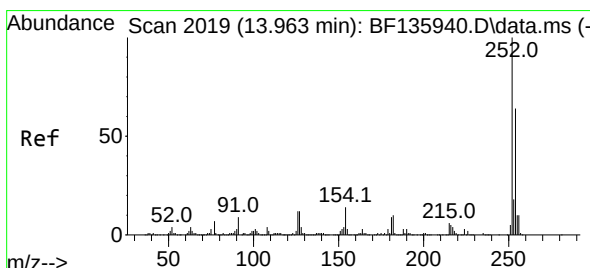
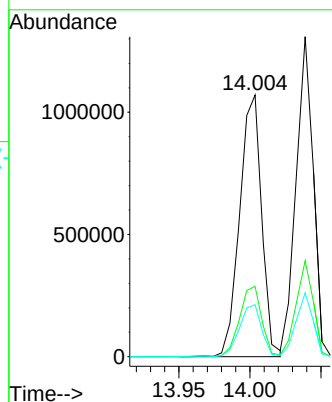
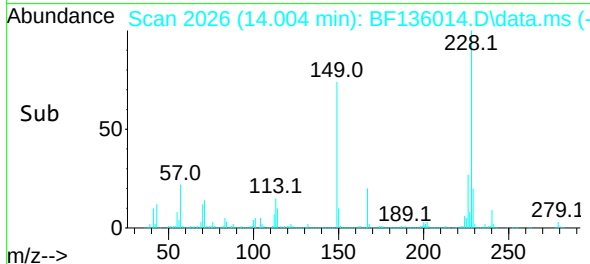
Tgt Ion:228 Resp: 115270  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.8 32.6  
229 19.9 16.2 24.4

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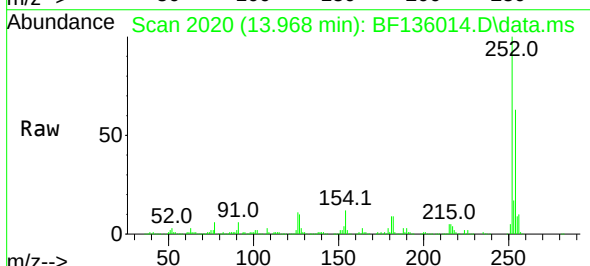
Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

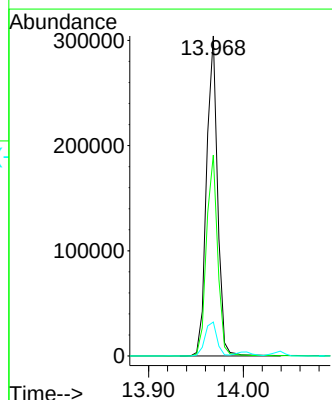
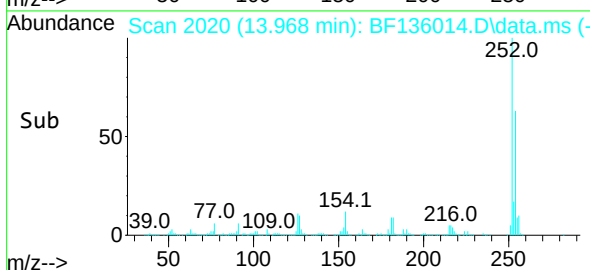
10/31/2023

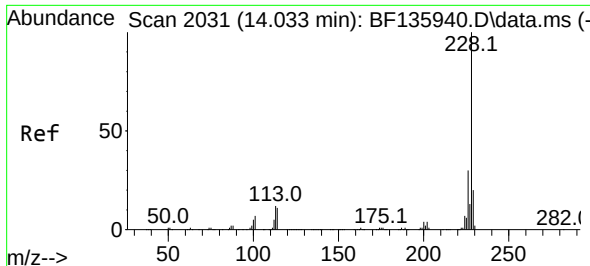


#82  
3,3'-Dichlorobenzidine  
Concen: 35.480 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44



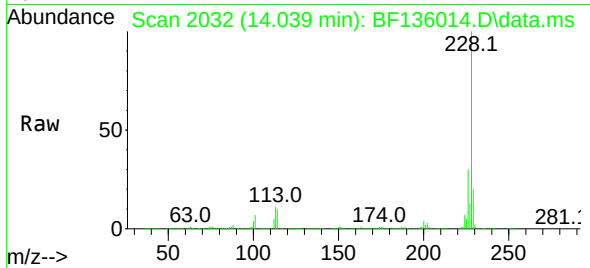
Tgt Ion:252 Resp: 246225  
Ion Ratio Lower Upper  
252 100  
254 62.8 50.9 76.3  
126 10.6 9.8 14.6





#83  
Chrysene  
Concen: 49.737 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



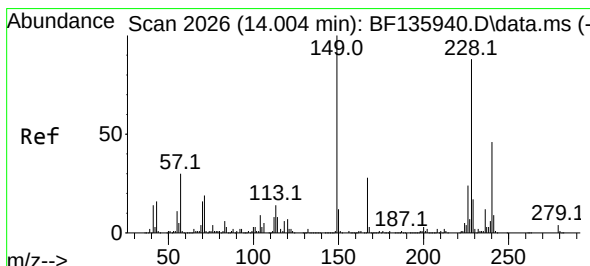
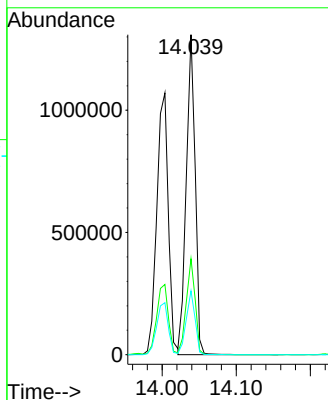
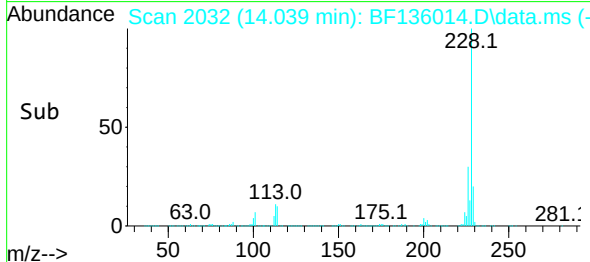
Tgt Ion:228 Resp: 110498  
Ion Ratio Lower Upper  
228 100  
226 30.0 23.9 35.9  
229 20.0 16.2 24.2

Manual Integrations  
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Reviewed By :Yogesh  
Patel

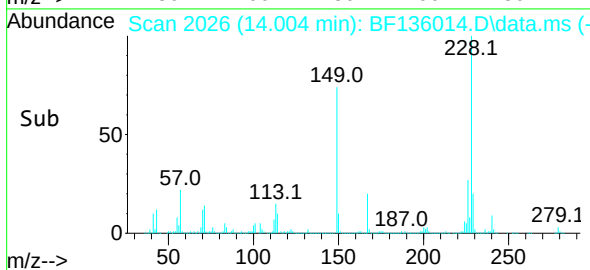
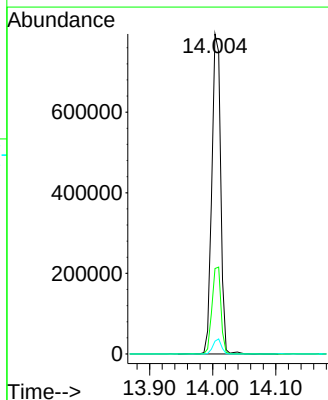
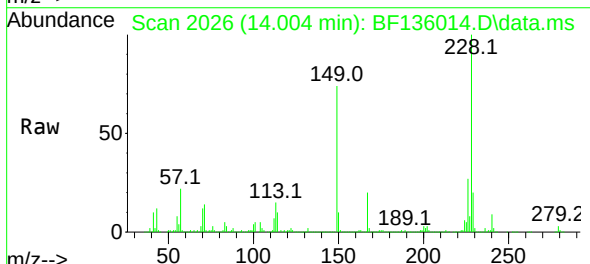
10/31/2023  
Supervised By :mohammad  
ahmed

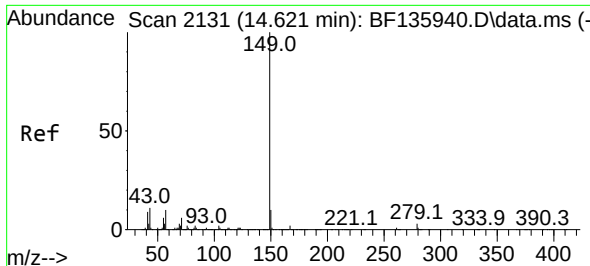
10/31/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 66.618 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

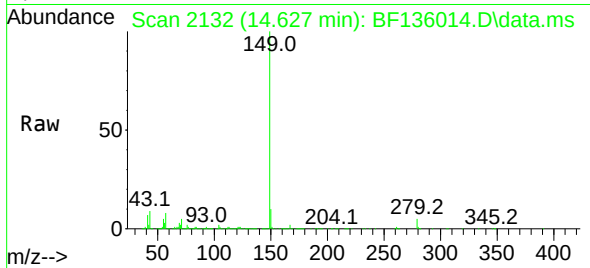
Tgt Ion:149 Resp: 771622  
Ion Ratio Lower Upper  
149 100  
167 26.7 22.2 33.2  
279 4.0 3.1 4.7





#85  
Di-n-octyl phthalate  
Concen: 70.880 ng  
RT: 14.627 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



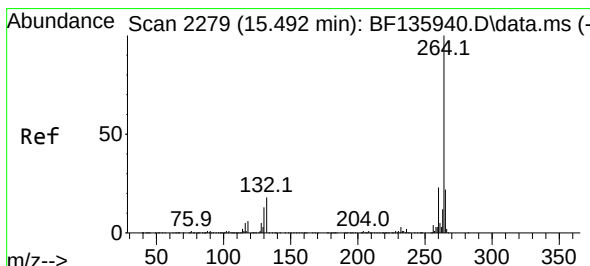
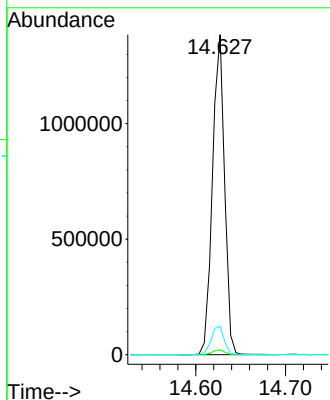
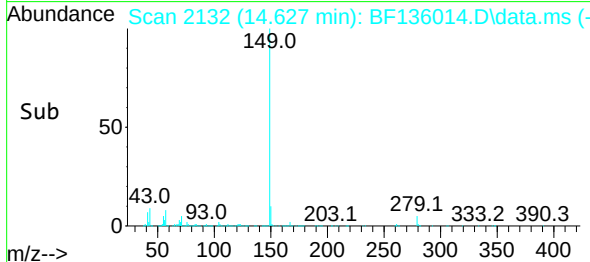
Tgt Ion:149 Resp: 1293300  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.3 8.6 12.8

Manual Integrations  
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Reviewed By :Yogesh  
Patel

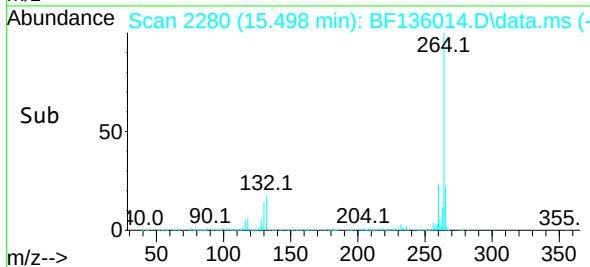
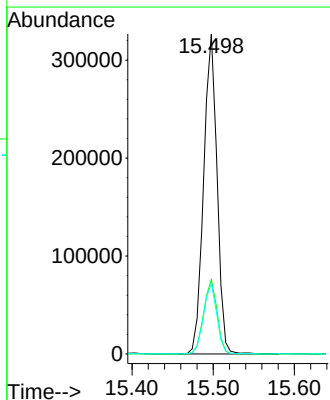
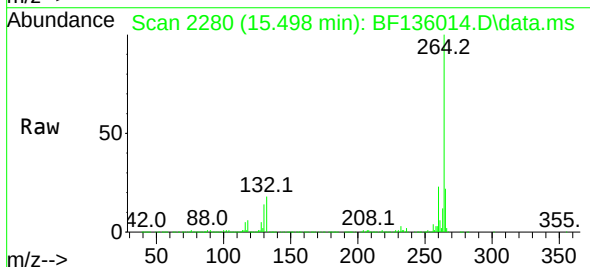
10/31/2023  
Supervised By :mohammad  
ahmed

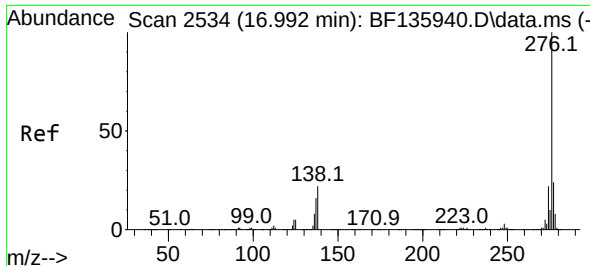
10/31/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.498 min Scan# 2280  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

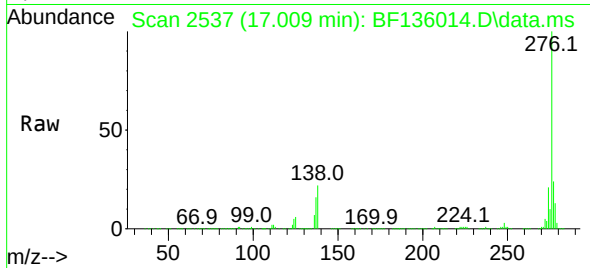
Tgt Ion:264 Resp: 373834  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 28.0  
265 22.1 17.3 25.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 51.495 ng  
RT: 17.009 min Scan# 21  
Delta R.T. 0.017 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



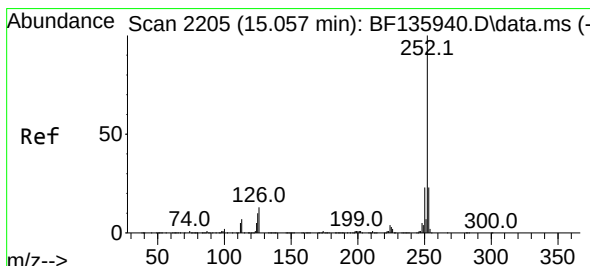
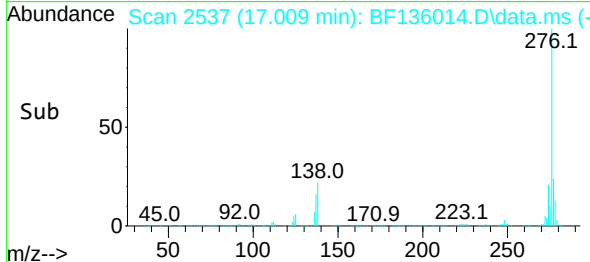
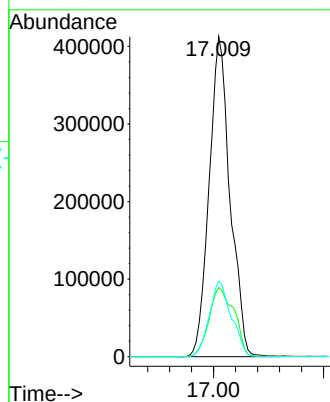
Tgt Ion:276 Resp: 109156  
Ion Ratio Lower Upper  
276 100  
138 26.0 21.8 32.6  
277 25.0 20.0 30.0

Manual Integrations  
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Reviewed By :Yogesh  
Patel

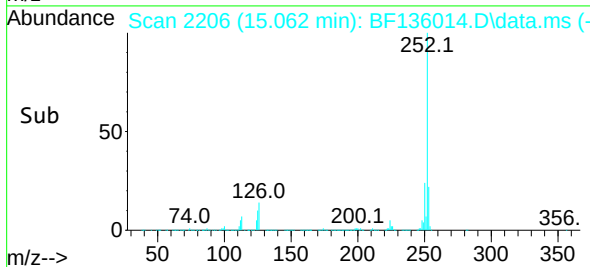
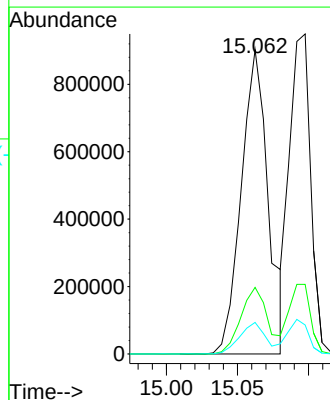
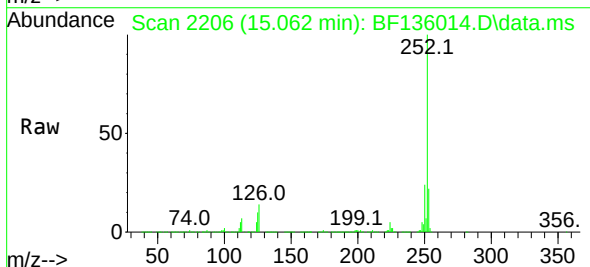
10/31/2023  
Supervised By :mohammad  
ahmed

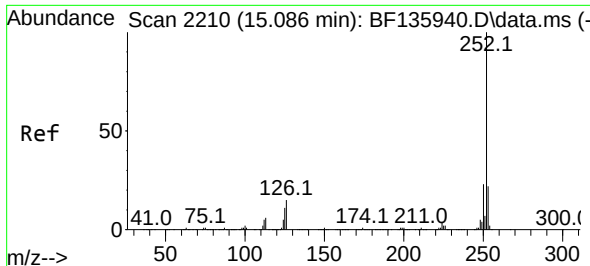
10/31/2023



#88  
Benzo(b)fluoranthene  
Concen: 53.693 ng  
RT: 15.062 min Scan# 2206  
Delta R.T. 0.006 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

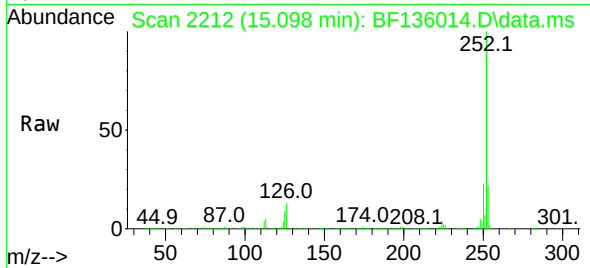
Tgt Ion:252 Resp: 1194547  
Ion Ratio Lower Upper  
252 100  
253 21.9 18.0 27.0  
125 10.4 8.2 12.4





#89  
Benzo(k)fluoranthene  
Concen: 45.237 ng  
RT: 15.098 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



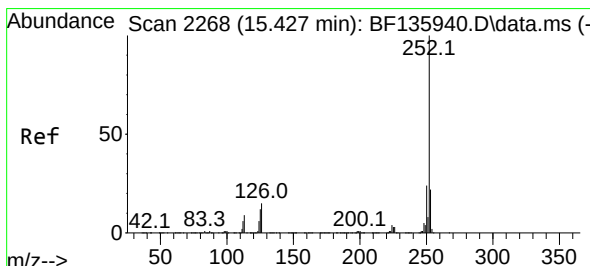
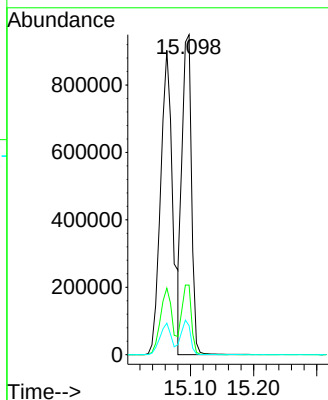
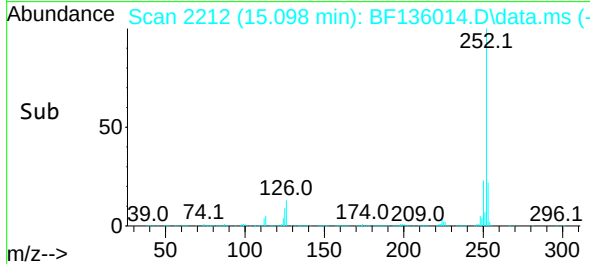
Tgt Ion:252 Resp: 98844  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.7 26.5  
125 9.1 8.5 12.7

Manual Integrations  
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Reviewed By :Yogesh  
Patel

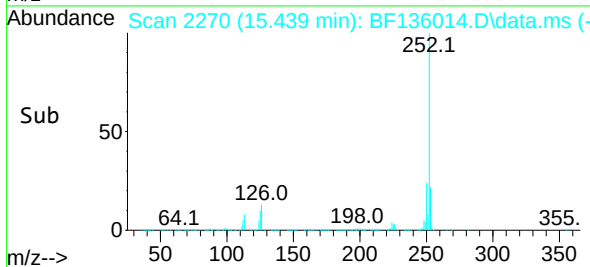
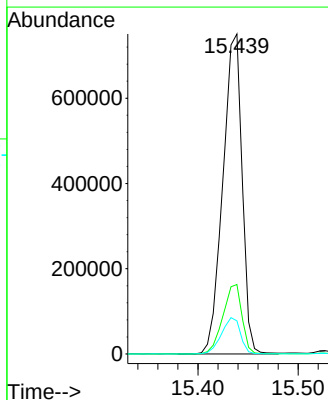
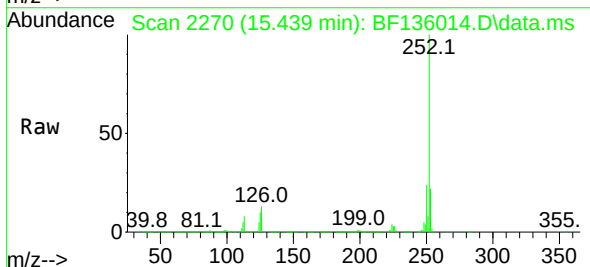
10/31/2023  
Supervised By :mohammad  
ahmed

10/31/2023

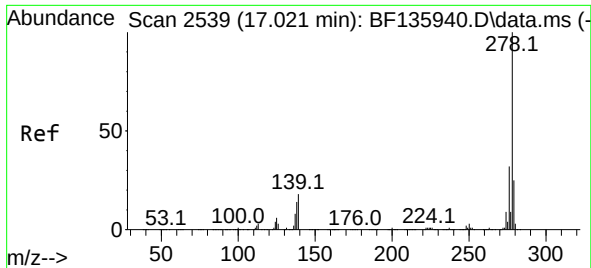


#90  
Benzo(a)pyrene  
Concen: 48.804 ng  
RT: 15.439 min Scan# 2270  
Delta R.T. 0.012 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:252 Resp: 1000688  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.2  
125 10.3 9.6 14.4

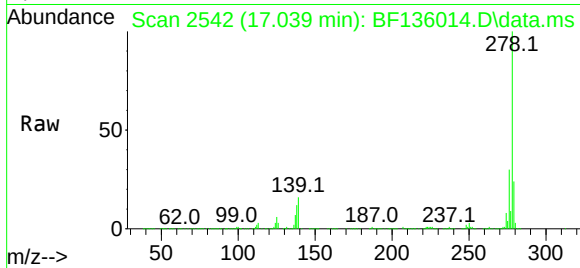






#91  
Dibenzo(a,h)anthracene  
Concen: 50.483 ng  
RT: 17.039 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Instrument :  
BNA\_F  
ClientSampleId :  
OR-603-COMP-05MSD



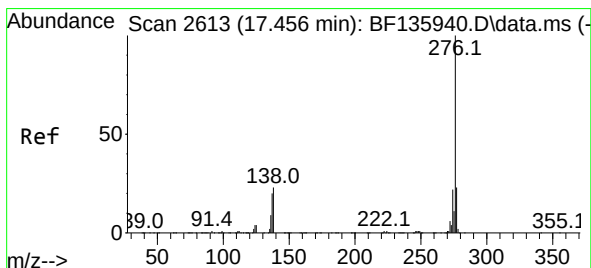
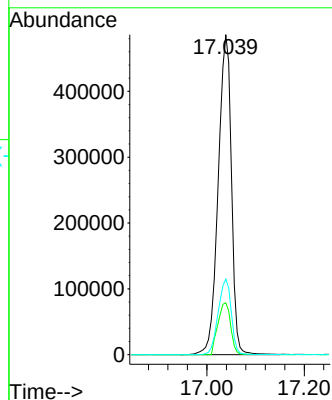
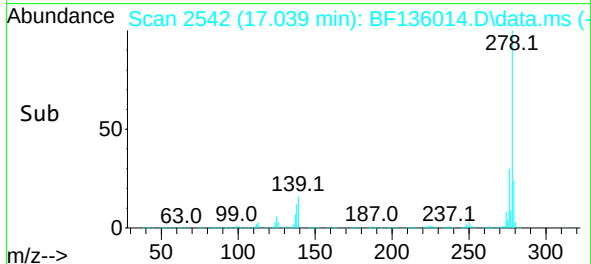
Tgt Ion:278 Resp: 915344  
Ion Ratio Lower Upper  
278 100  
139 16.2 14.0 21.0  
279 23.6 19.7 29.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh  
Patel

10/31/2023  
Supervised By :mohammad  
ahmed

10/31/2023



#92  
Benzo(g,h,i)perylene  
Concen: 40.724 ng  
RT: 17.474 min Scan# 2616  
Delta R.T. 0.018 min  
Lab File: BF136014.D  
Acq: 28 Oct 2023 19:44

Tgt Ion:276 Resp: 826800  
Ion Ratio Lower Upper  
276 100  
277 23.1 18.6 28.0  
138 22.1 18.4 27.6

