

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121423\  
 Data File : BF136575.D  
 Acq On : 14 Dec 2023 18:48  
 Operator : CG\JU  
 Sample : 05612-02MS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-06IMS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

Quant Time: Dec 15 00:35:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 00:33:23 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response  | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|-----------|----------|-------|----------|
| -----                         |        |      |           |          |       |          |
| Internal Standards            |        |      |           |          |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 99202     | 20.000   | ng    | 0.01     |
| 21) Naphthalene-d8            | 8.092  | 136  | 160263    | 20.000   | ng    | # 0.02   |
| 39) Acenaphthene-d10          | 9.827  | 164  | 173999    | 20.000   | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 293286    | 20.000   | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 214952    | 20.000   | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 256685    | 20.000   | ng    | 0.00     |
|                               |        |      |           |          |       |          |
| System Monitoring Compounds   |        |      |           |          |       |          |
| 5) 2-Fluorophenol             | 5.439  | 112  | 375081    | 55.839   | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 284706    | 33.971   | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 557785    | 188.154  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 236191    | 110.091  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 1096587   | 85.994   | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1111248   | 68.140   | ng    | 0.00     |
|                               |        |      |           |          |       |          |
| Target Compounds              |        |      |           |          |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.575  | 88   | 48363     | 18.203   | ng    | 97       |
| 3) Pyridine                   | 3.346  | 79   | 99878     | 15.523   | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.287  | 42   | 54959     | 19.661   | ng    | 97       |
| 6) Aniline                    | 6.463  | 93   | 177276    | 20.930   | ng    | # 75     |
| 8) 2-Chlorophenol             | 6.586  | 128  | 253476    | 34.565   | ng    | 97       |
| 9) Benzaldehyde               | 6.351  | 77   | 232203    | 62.381   | ng    | # 1      |
| 10) Phenol                    | 6.457  | 94   | 123964    | 13.901   | ng    | # 65     |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 278739    | 41.933   | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 274378    | 33.270   | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 282739    | 33.797   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.998  | 146  | 153529m   | 19.516   | ng    |          |
| 15) Benzyl Alcohol            | 6.957  | 79   | 176503    | 31.451   | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 300373    | 35.134   | ng    | 96       |
| 17) 2-Methylphenol            | 7.057  | 107  | 152181    | 25.687   | ng    | 94       |
| 18) Hexachloroethane          | 7.298  | 117  | 113287    | 38.787   | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 203791m   | 42.154   | ng    |          |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 186062    | 25.302   | ng    | 89       |
| 22) Acetophenone              | 7.204  | 105  | 468432    | 118.366  | ng    | # 95     |
| 24) Nitrobenzene              | 7.375  | 77   | 317158    | 106.349  | ng    | 100      |
| 25) Isophorone                | 7.604  | 82   | 69474     | 13.044   | ng    | 97       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 156186    | 106.530  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 202287    | 111.896  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 286122    | 87.425   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 13058     | 5.472    | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 8.022  | 180  | 50071     | 17.995   | ng    | 95       |
| 31) Naphthalene               | 8.204  | 128  | 36765497m | 4160.001 | ng    |          |
| 32) Benzoic acid              | 7.869  | 122  | 43378     | 24.188   | ng    | # 1      |
| 33) 4-Chloroaniline           | 8.204  | 127  | 6239475   | 1980.299 | ng    | # 44     |
| 34) Hexachlorobutadiene       | 8.233  | 225  | 143115    | 86.788   | ng    | 99       |
| 35) Caprolactam               | 8.528  | 113  | 13911     | 18.931   | ng    | # 81     |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 202757    | 80.026   | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 6048081   | 1075.681 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 4215803   | 764.107  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 255567    | 47.210   | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 168617    | 84.077   | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 153135    | 43.445   | ng    | 100      |

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Instrument :  
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Manual Integrations  
 APPROVED

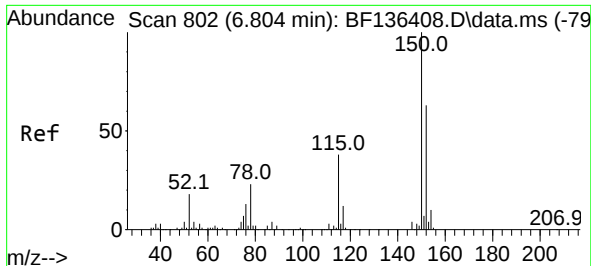
Reviewed By :Yogesh Patel 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

Quant Time: Dec 15 00:35:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 15 00:33:23 2023  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 159158   | 40.457  | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1341785  | 90.627  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 491430   | 42.646  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 131860   | 42.664  | ng    | 96       |
| 49) Acenaphthylene            | 9.692  | 152  | 848100   | 51.665  | ng    | 98       |
| 50) Dimethylphthalate         | 9.557  | 163  | 576486   | 45.001  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 119419   | 41.436  | ng    | 99       |
| 52) Acenaphthene              | 9.874  | 154  | 1993685  | 189.528 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 87407    | 29.700  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 73378    | 50.358  | ng    | # 76     |
| 55) Dibenzofuran              | 10.033 | 168  | 756396   | 49.221  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 61500    | 27.876  | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 162637   | 42.659  | ng    | 99       |
| 58) Fluorene                  | 10.380 | 166  | 972319   | 78.821  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 128882   | 40.899  | ng    | 99       |
| 60) Diethylphthalate          | 10.251 | 149  | 528825   | 41.981  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 251699   | 41.855  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 115176   | 39.413  | ng    | 92       |
| 63) Azobenzene                | 10.527 | 77   | 459876   | 40.109  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198  | 58345    | 32.122  | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 455564   | 48.408  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 158726   | 46.548  | ng    | 98       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 175151   | 44.442  | ng    | 100      |
| 69) Atrazine                  | 11.027 | 200  | 148166   | 55.162  | ng    | 99       |
| 70) Pentachlorophenol         | 11.127 | 266  | 183999   | 82.723  | ng    | 98       |
| 71) Phenanthrene              | 11.345 | 178  | 1445666  | 89.680  | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 879282   | 54.154  | ng    | 98       |
| 73) Carbazole                 | 11.557 | 167  | 969361   | 67.454  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 809256   | 45.936  | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 816959   | 48.360  | ng    | 98       |
| 77) Benzidine                 | 12.657 | 184  | 117429   | 29.154  | ng    | 98       |
| 78) Pyrene                    | 12.763 | 202  | 854433   | 40.588  | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 316352   | 42.214  | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 685524   | 45.785  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 189533   | 45.148  | ng    | 99       |
| 83) Chrysene                  | 13.998 | 228  | 660241   | 44.819  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 423873   | 46.139  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 734551   | 54.131  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 714951   | 40.093  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 715197   | 40.751  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 640849   | 38.746  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 620785   | 42.831  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.974 | 278  | 591239   | 40.471  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 546364   | 36.437  | ng    | 99       |

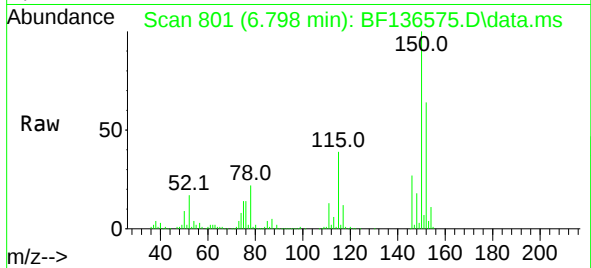
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.798 min Scan# 80  
Delta R.T. 0.011 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

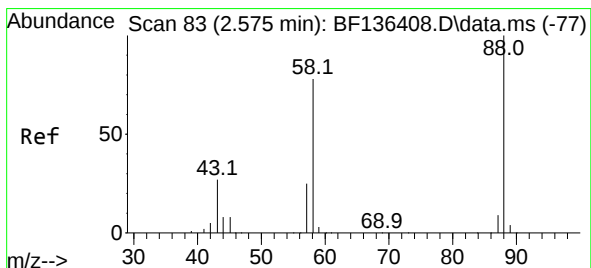
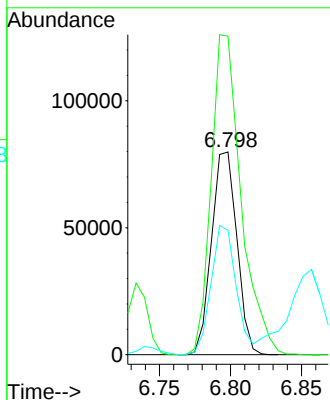
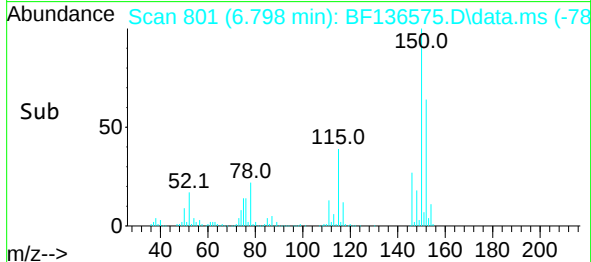
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:152 Resp: 9920  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.4 189.6  
115 61.4 48.2 72.4

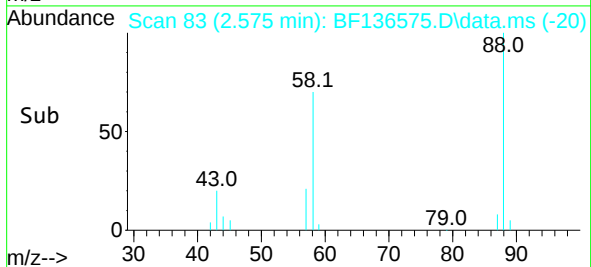
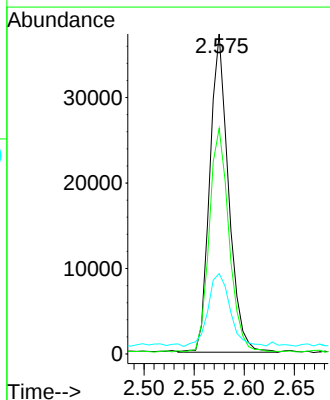
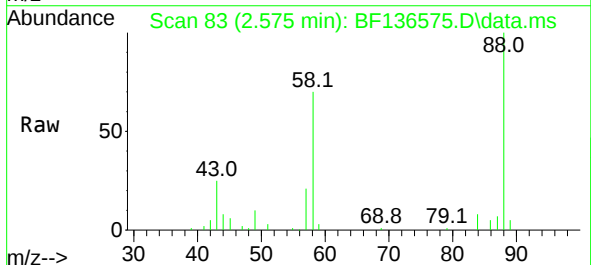
Manual Integrations  
APPROVED

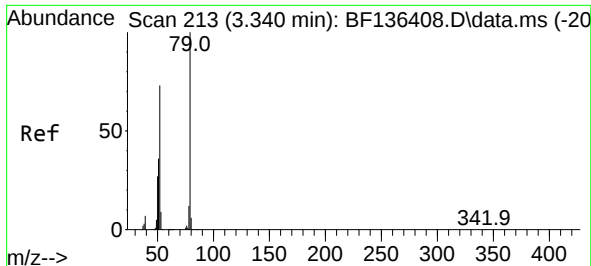
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#2  
1,4-Dioxane  
Concen: 18.203 ng  
RT: 2.575 min Scan# 83  
Delta R.T. 0.023 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

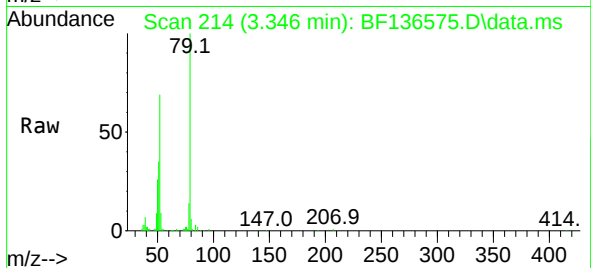
Tgt Ion: 88 Resp: 48363  
Ion Ratio Lower Upper  
88 100  
58 73.9 62.2 93.2  
43 26.8 21.5 32.3





#3  
Pyridine  
Concen: 15.523 ng  
RT: 3.346 min Scan# 213  
Delta R.T. 0.035 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

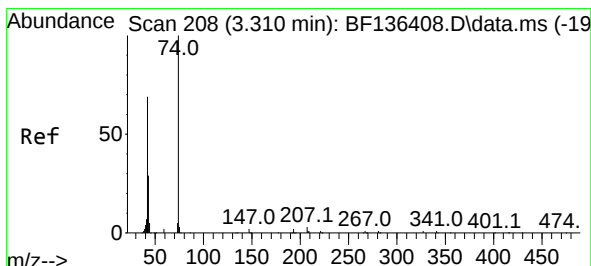
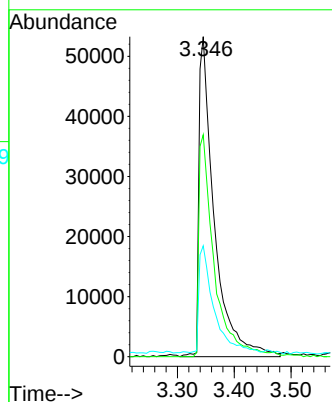
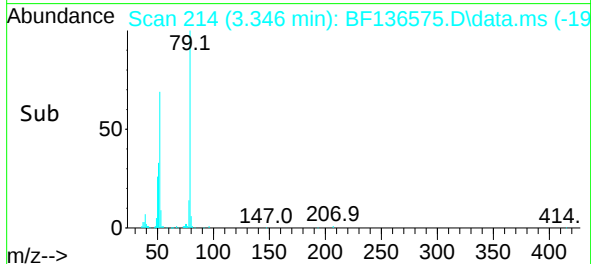
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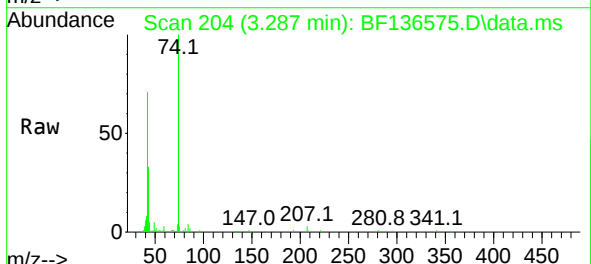
Tgt Ion: 79 Resp: 99878  
Ion Ratio Lower Upper  
79 100  
52 69.4 58.2 87.2  
51 34.7 29.1 43.7

Manual Integrations  
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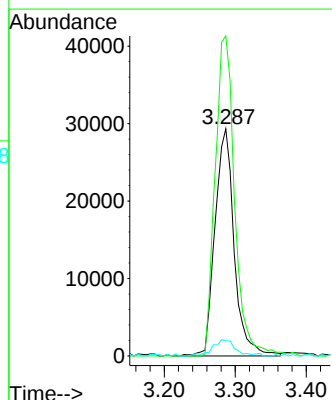
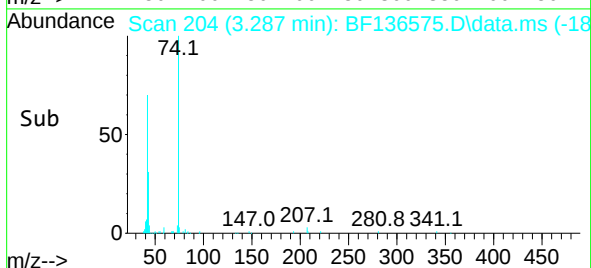
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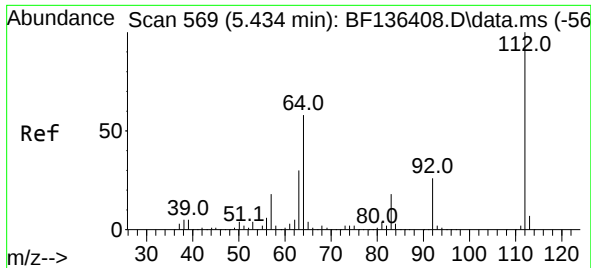


#4  
n-Nitrosodimethylamine  
Concen: 19.661 ng  
RT: 3.287 min Scan# 204  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion: 42 Resp: 54959  
Ion Ratio Lower Upper  
42 100  
74 140.8 115.4 173.0  
44 6.6 6.2 9.2





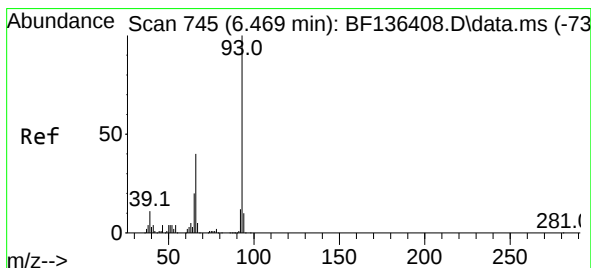
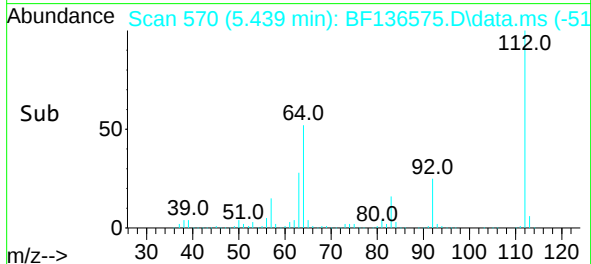
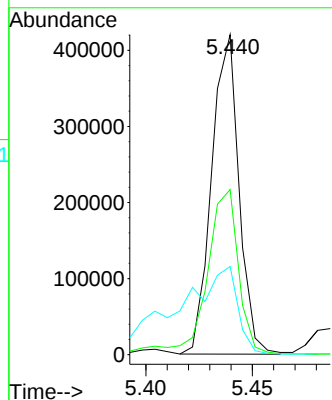
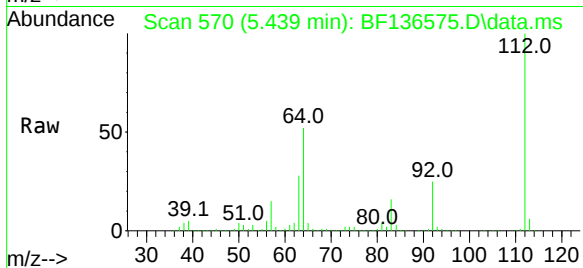
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2-Fluorophenol  
Concen: 55.839 ng  
RT: 5.439 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Instrument :  
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Tgt Ion:112 Resp: 37508  
Ion Ratio Lower Upper  
112 100  
64 51.6 46.5 69.7  
63 27.6 23.9 35.9

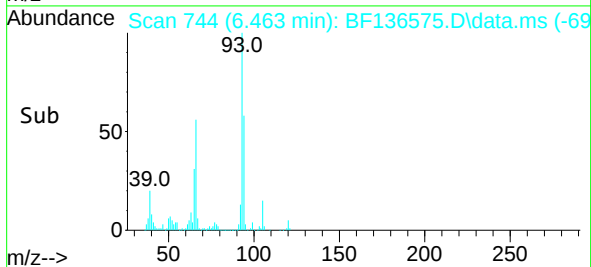
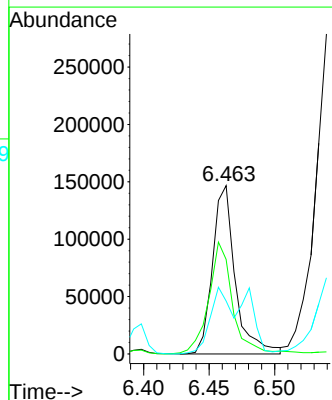
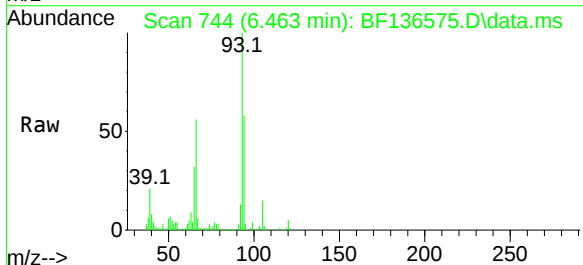
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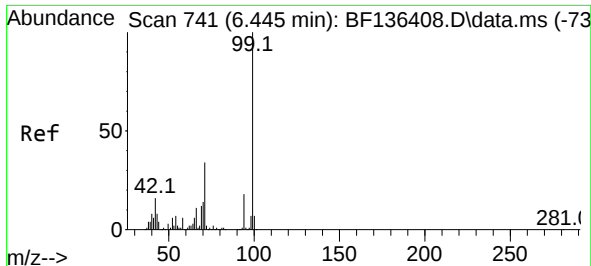
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#6  
Aniline  
Concen: 20.930 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

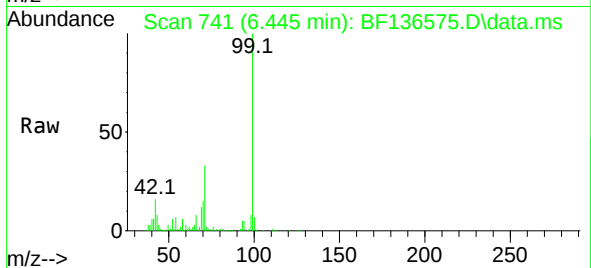
Tgt Ion: 93 Resp: 177276  
Ion Ratio Lower Upper  
93 100  
66 56.2 32.5 48.7#  
65 31.5 16.4 24.6#





#7  
Phenol-d6  
Concen: 33.971 ng  
RT: 6.445 min Scan# 741  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

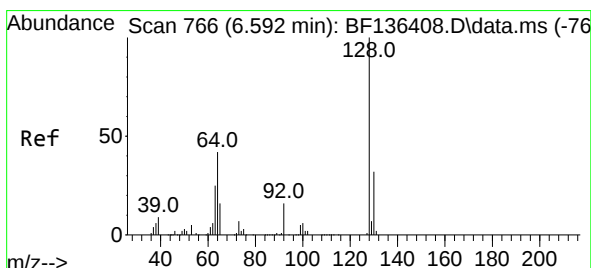
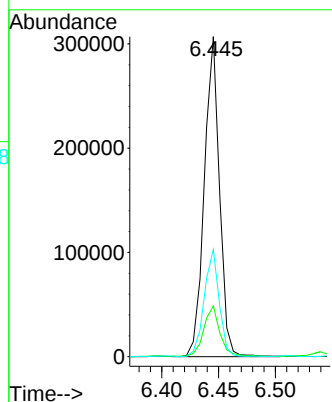
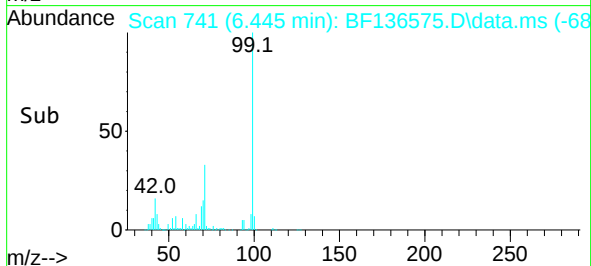
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 284700  
Ion Ratio Lower Upper  
99 100  
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71 33.5 27.0 40.4

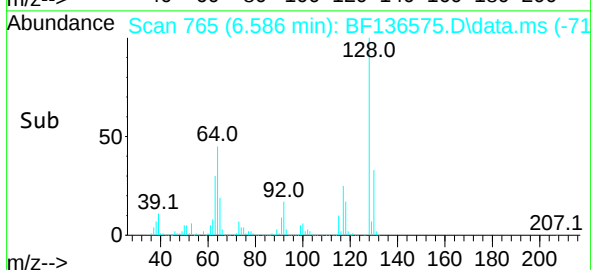
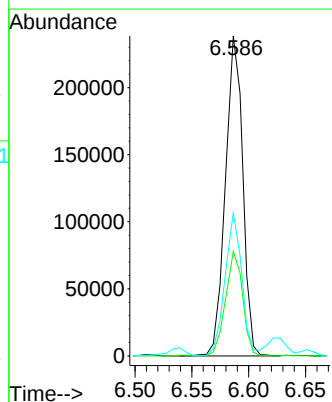
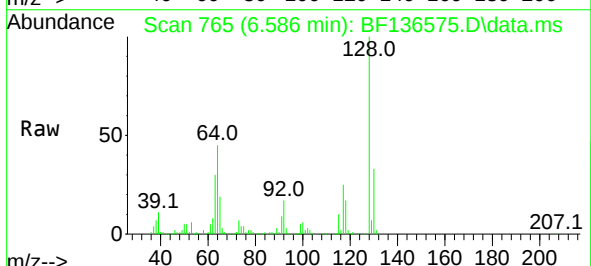
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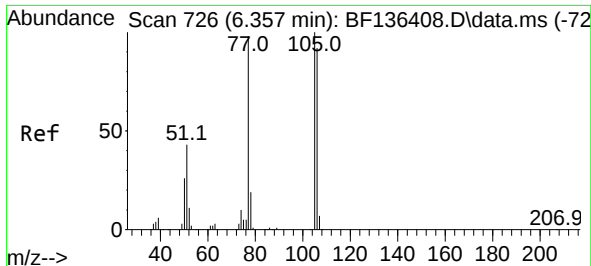
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Supervised By :mohammad ahmed 12/15/2023



#8  
2-Chlorophenol  
Concen: 34.565 ng  
RT: 6.586 min Scan# 765  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

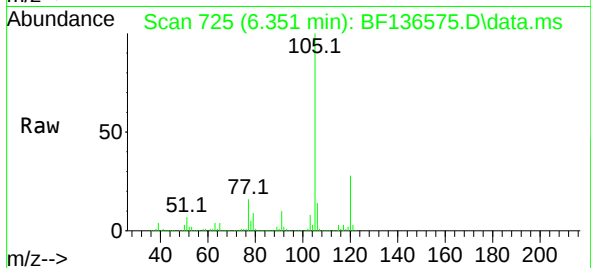
Tgt Ion:128 Resp: 253476  
Ion Ratio Lower Upper  
128 100  
130 32.7 11.7 51.7  
64 44.7 22.5 62.5





#9  
Benzaldehyde  
Concen: 62.381 ng  
RT: 6.351 min Scan# 726  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

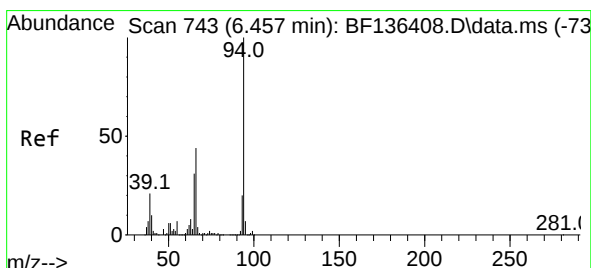
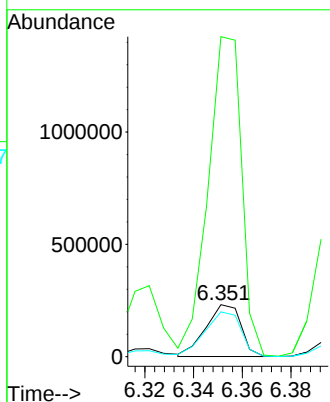
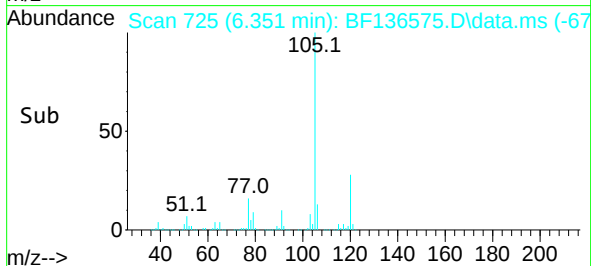
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



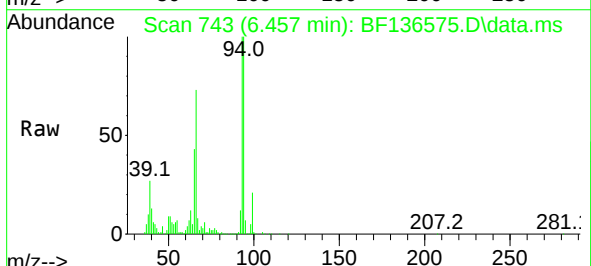
Tgt Ion: 77 Resp: 23220  
Ion Ratio Lower Upper  
77 100  
105 615.5 82.5 122.5  
106 86.1 74.5 114.5

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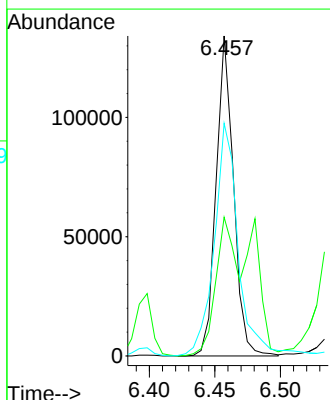
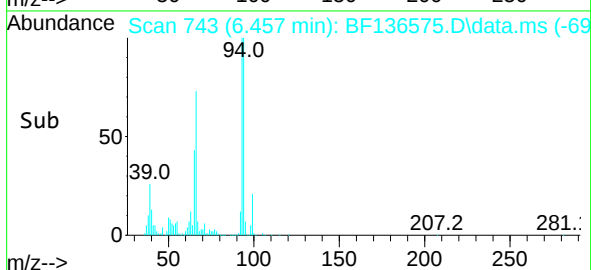
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#10  
Phenol  
Concen: 13.901 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



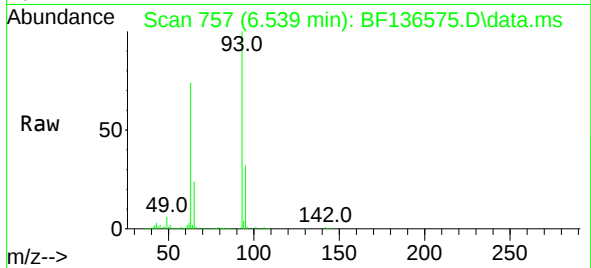
Tgt Ion: 94 Resp: 123964  
Ion Ratio Lower Upper  
94 100  
65 43.4 11.2 51.2  
66 72.7 24.2 64.2#





#11  
bis(2-Chloroethyl)ether  
Concen: 41.933 ng  
RT: 6.539 min Scan# 758  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

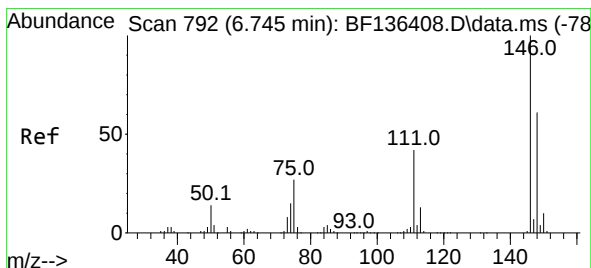
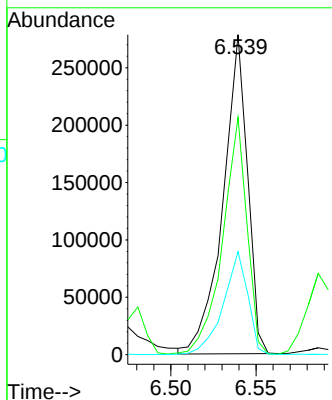
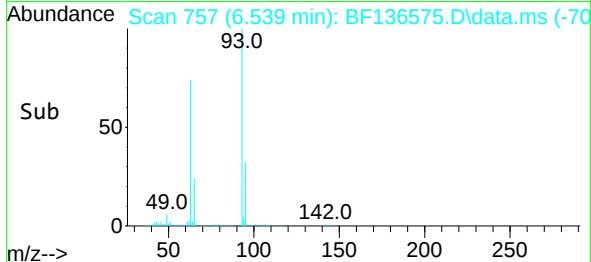
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion: 93 Resp: 278739  
Ion Ratio Lower Upper  
93 100  
63 74.1 56.8 96.8  
95 32.2 11.8 51.8

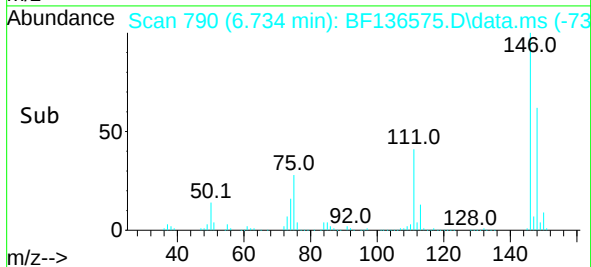
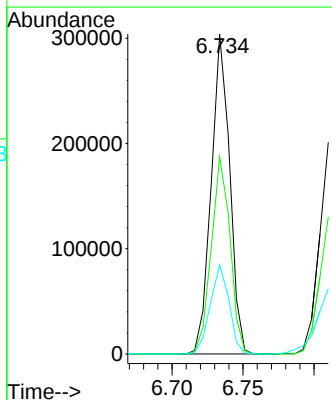
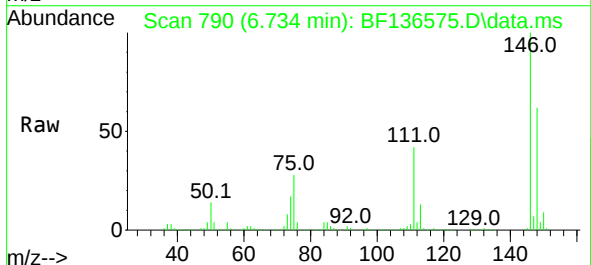
Manual Integrations  
APPROVED

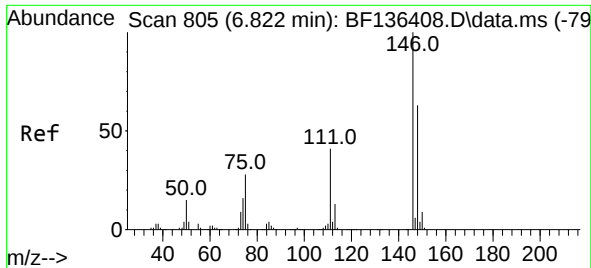
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#12  
1,3-Dichlorobenzene  
Concen: 33.270 ng  
RT: 6.734 min Scan# 790  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Tgt Ion:146 Resp: 274378  
Ion Ratio Lower Upper  
146 100  
148 61.6 49.0 73.6  
75 27.8 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 33.797 ng

RT: 6.816 min Scan# 805

Delta R.T. 0.012 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:146 Resp: 282739

Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

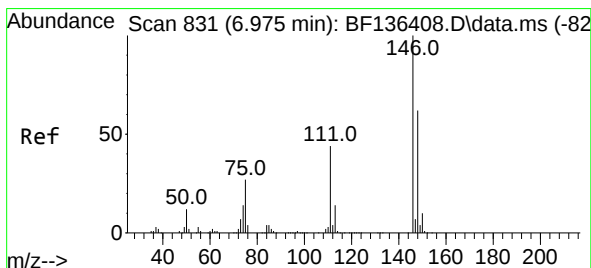
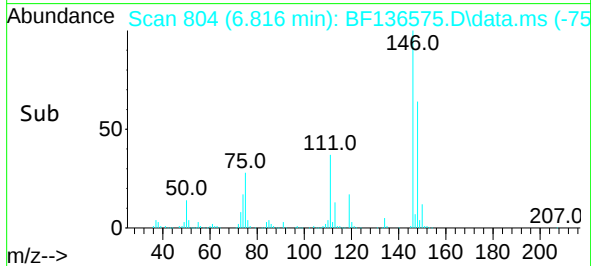
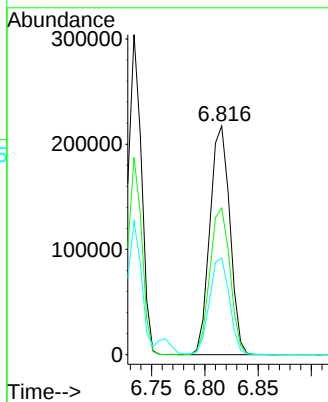
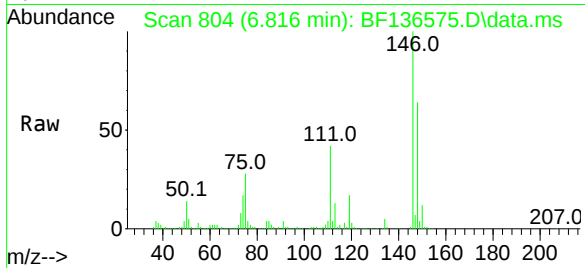
111 42.2 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#14

1,2-Dichlorobenzene

Concen: 19.516 ng m

RT: 6.998 min Scan# 835

Delta R.T. 0.041 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

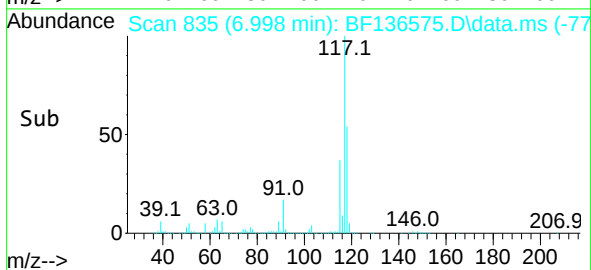
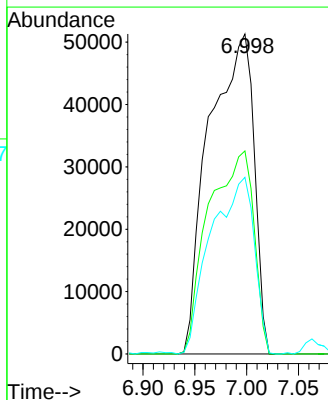
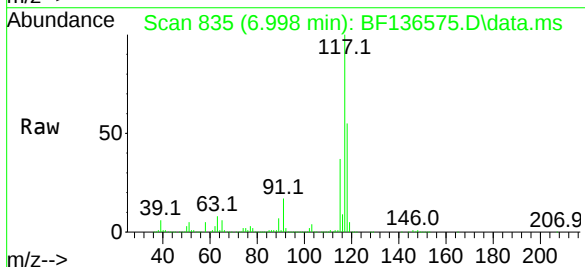
Tgt Ion:146 Resp: 153529

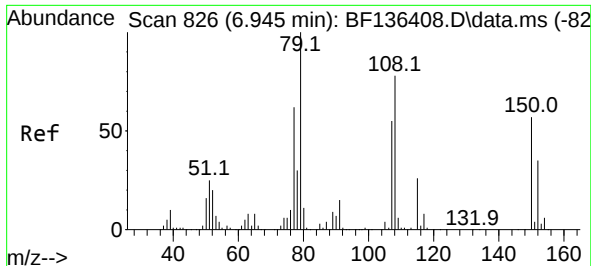
Ion Ratio Lower Upper

146 100

148 63.5 49.8 74.6

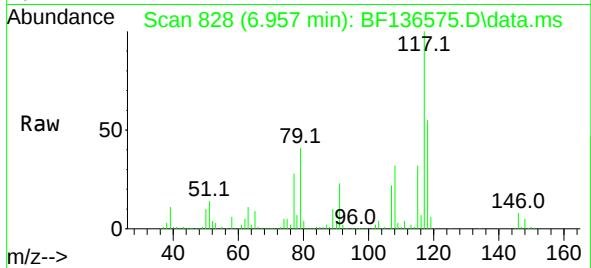
111 55.2 34.9 52.3#





#15  
Benzyl Alcohol  
Concen: 31.451 ng  
RT: 6.957 min Scan# 81  
Delta R.T. 0.023 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

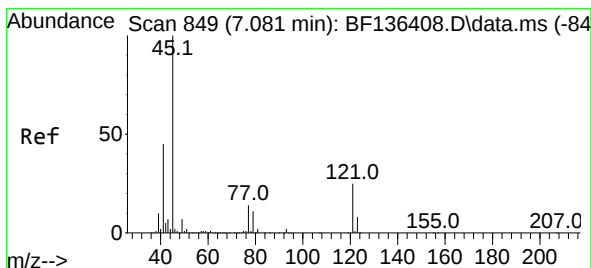
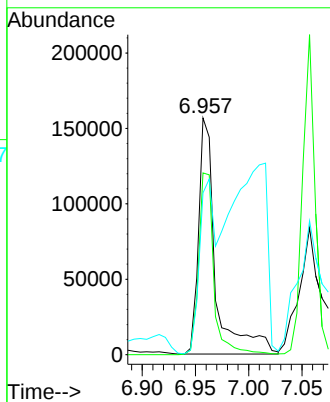
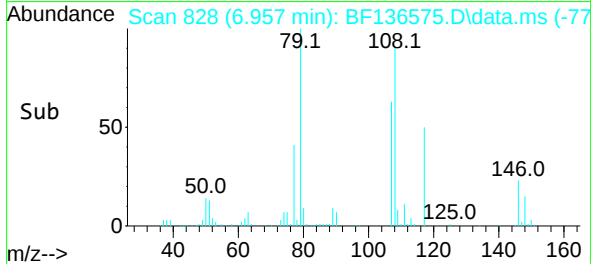
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



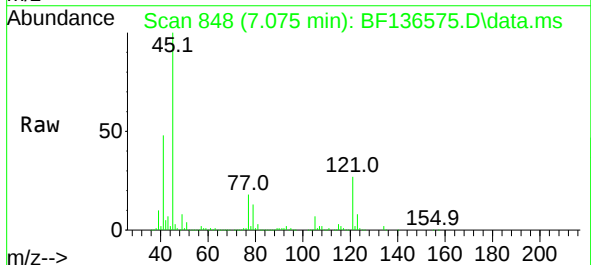
Tgt Ion: 79 Resp: 17650  
Ion Ratio Lower Upper  
79 100  
108 76.8 62.3 93.5  
77 68.4 49.8 74.8

Manual Integrations  
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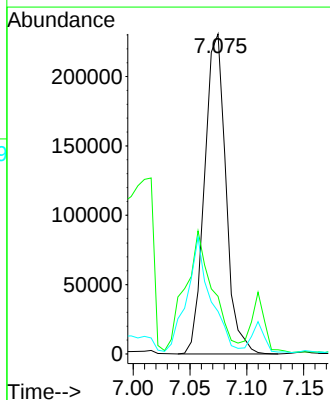
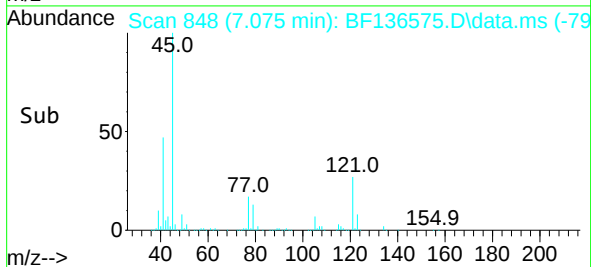
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 35.134 ng  
RT: 7.075 min Scan# 848  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



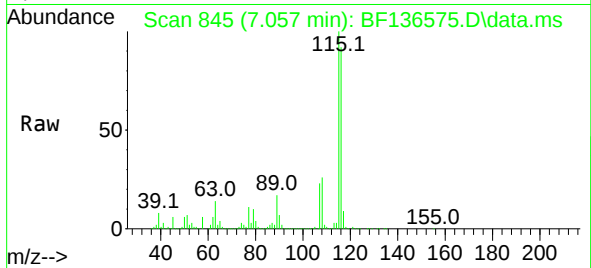
Tgt Ion: 45 Resp: 300373  
Ion Ratio Lower Upper  
45 100  
77 18.0 0.0 35.3  
79 13.3 0.0 32.5





#17  
2-Methylphenol  
Concen: 25.687 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

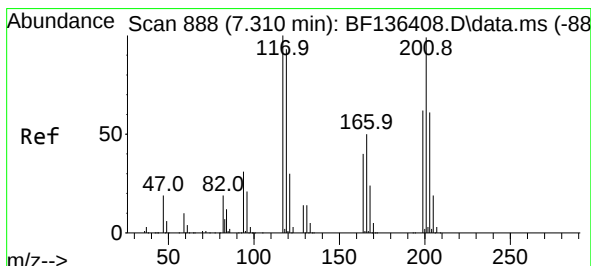
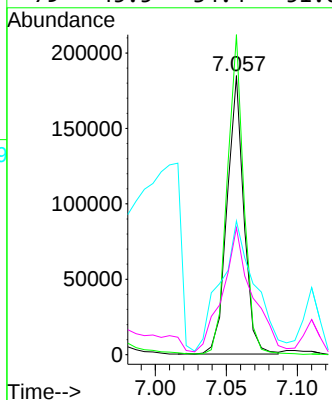
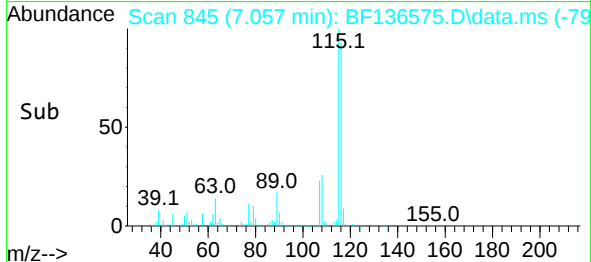
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:107 Resp: 15218  
Ion Ratio Lower Upper  
107 100  
108 114.7 86.5 129.7  
77 47.9 33.8 50.8  
79 45.5 34.4 51.6

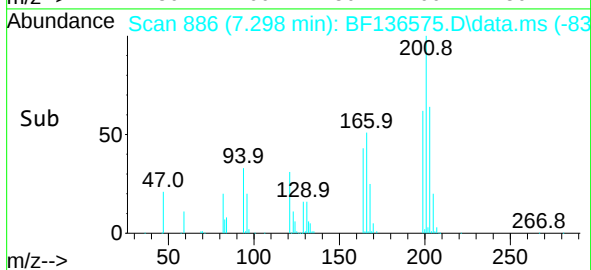
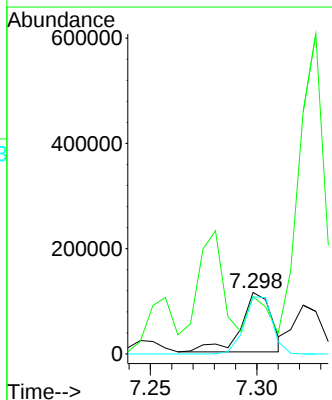
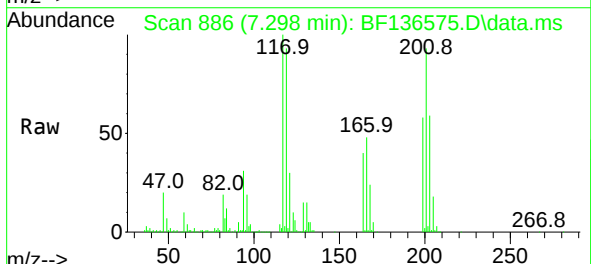
Manual Integrations  
APPROVED

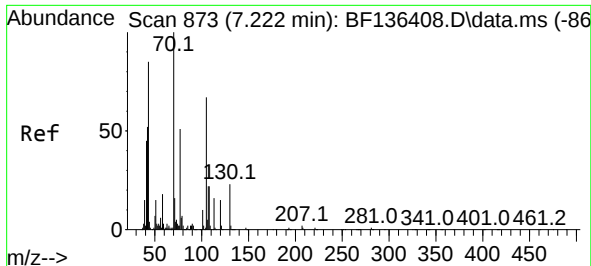
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#18  
Hexachloroethane  
Concen: 38.787 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

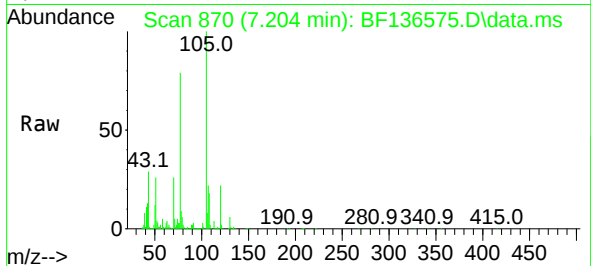
Tgt Ion:117 Resp: 113287  
Ion Ratio Lower Upper  
117 100  
119 93.1 74.3 111.5  
201 93.1 79.3 118.9





#19  
n-Nitroso-di-n-propylamine  
Concen: 42.154 ng m  
RT: 7.204 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

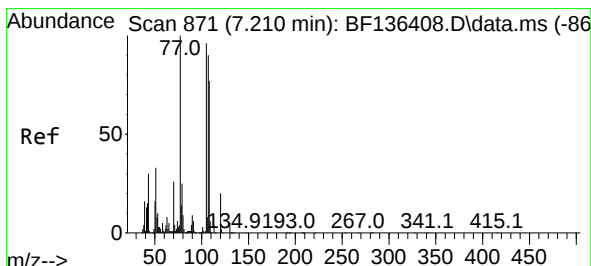
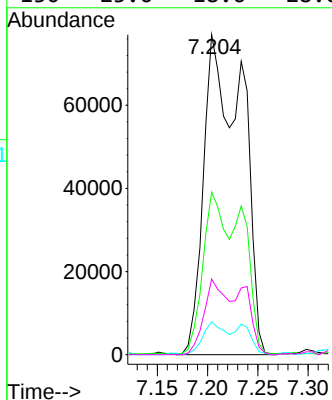
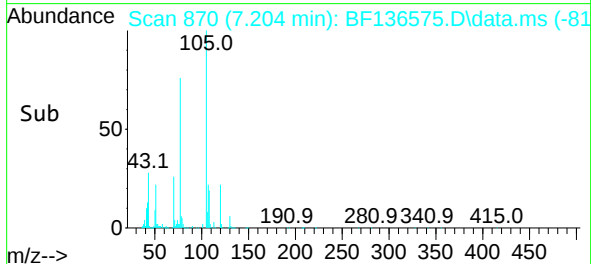
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



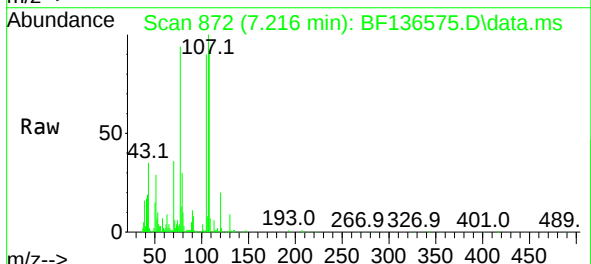
Tgt Ion: 70 Resp: 20379  
Ion Ratio Lower Upper  
70 100  
42 50.8 41.4 62.0  
101 10.3 8.2 12.4  
130 23.6 18.6 28.0

Manual Integrations  
APPROVED

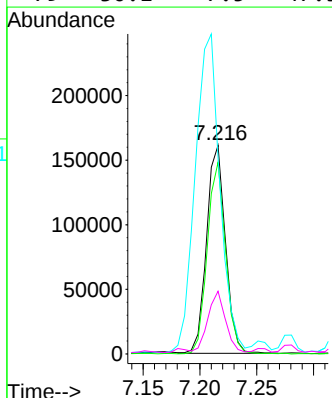
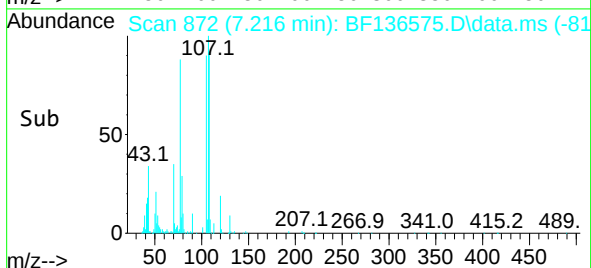
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

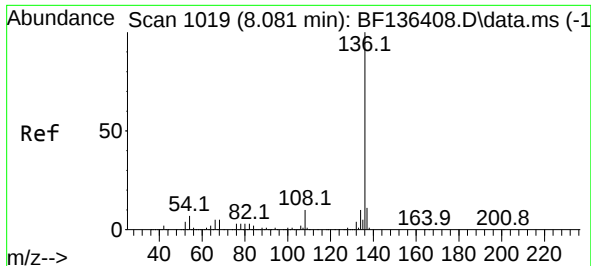


#20  
3+4-Methylphenols  
Concen: 25.302 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



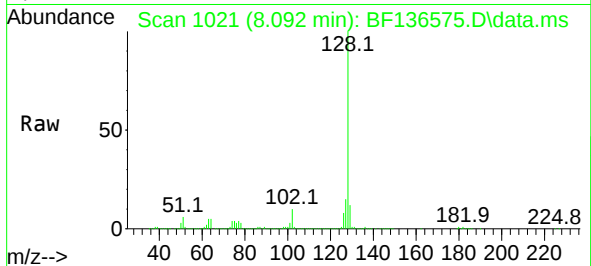
Tgt Ion:107 Resp: 186062  
Ion Ratio Lower Upper  
107 100  
108 91.8 65.9 105.9  
77 94.0 91.7 131.7  
79 30.1 7.5 47.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 1019  
Delta R.T. 0.023 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

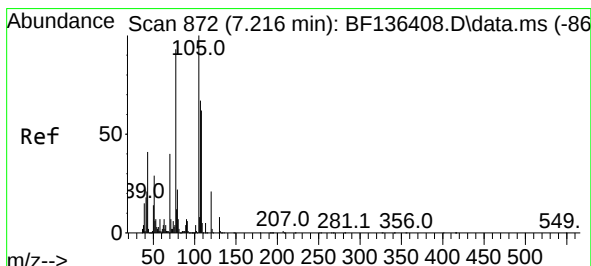
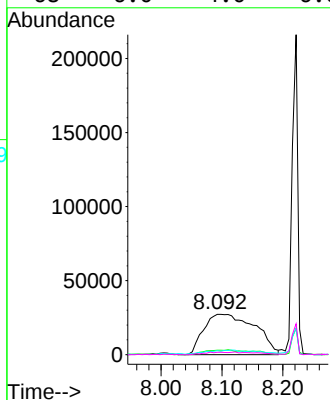
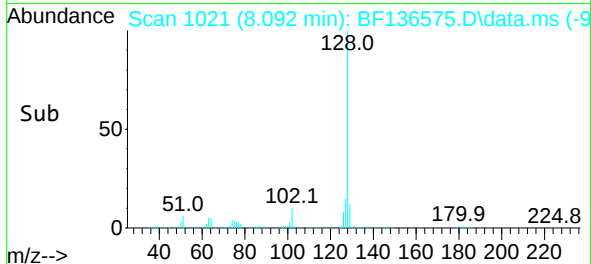
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:136 Resp: 16026  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 12.8  
54 9.8 5.7 8.5  
68 6.0 4.0 6.0#

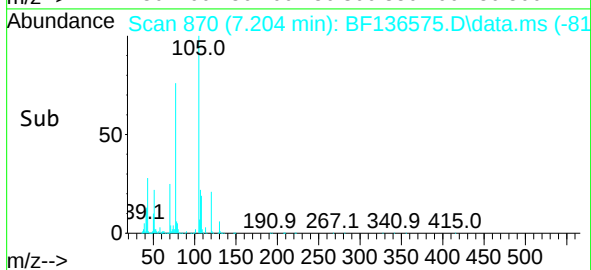
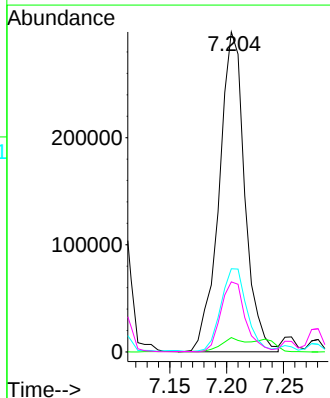
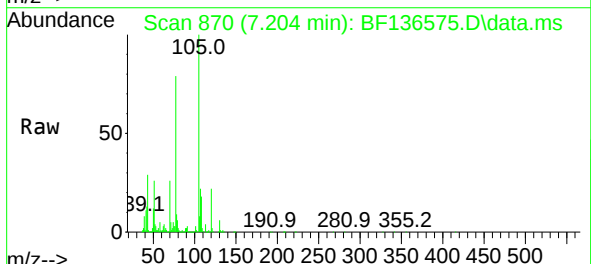
Manual Integrations  
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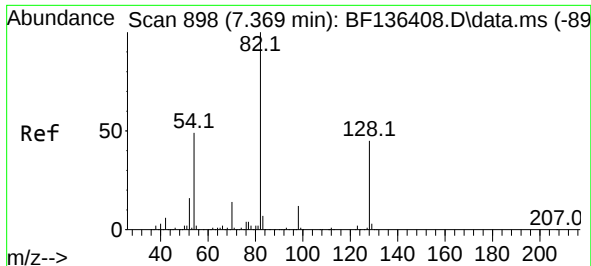
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#22  
Acetophenone  
Concen: 118.366 ng  
RT: 7.204 min Scan# 870  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Tgt Ion:105 Resp: 468432  
Ion Ratio Lower Upper  
105 100  
71 4.5 5.4 8.0#  
51 26.0 23.4 35.2  
120 21.9 16.6 24.8





#23

Nitrobenzene-d5

Concen: 188.154 ng

RT: 7.363 min Scan# 898

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

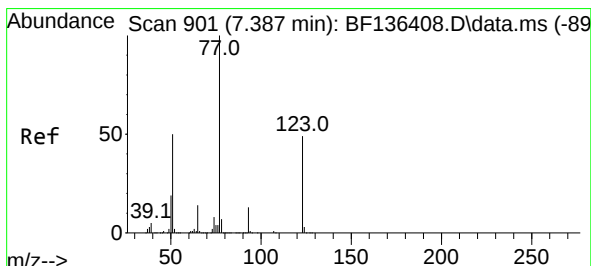
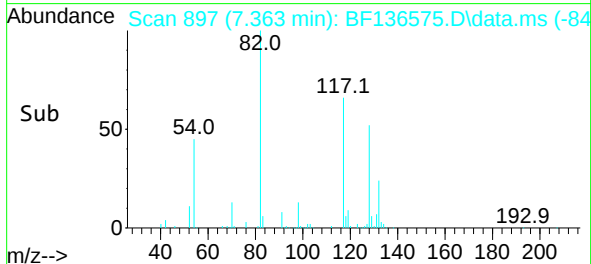
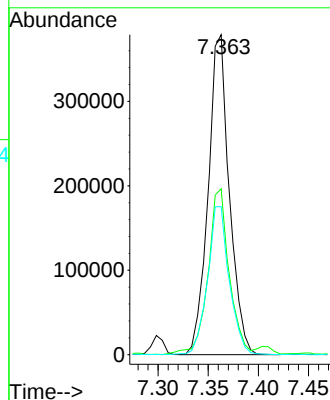
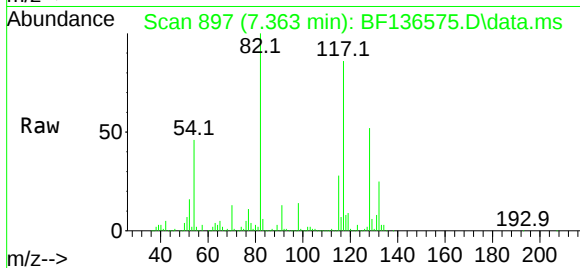
|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 55778 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 128 51.9    | 36.3 54.5   |
| 54 46.3     | 39.0 58.6   |

Manual Integrations

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Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#24

Nitrobenzene

Concen: 106.349 ng

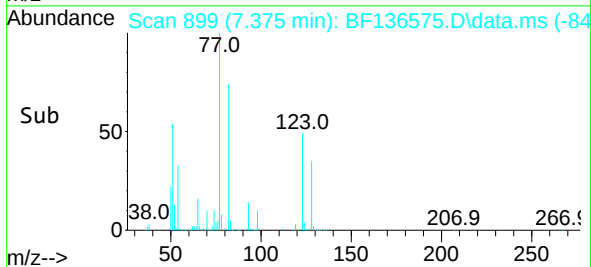
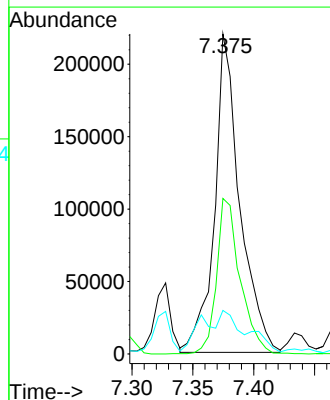
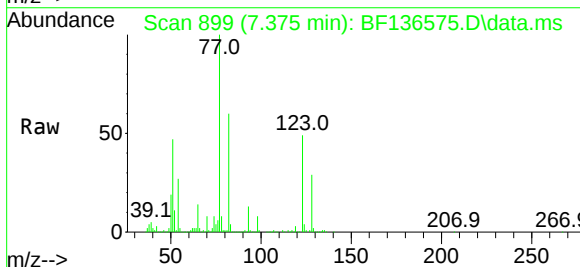
RT: 7.375 min Scan# 899

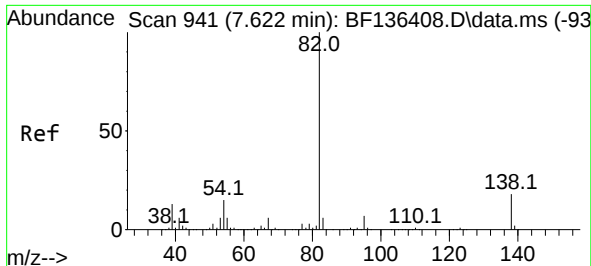
Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 317158 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 123 48.6    | 39.0 58.6    |
| 65 13.6     | 11.3 16.9    |





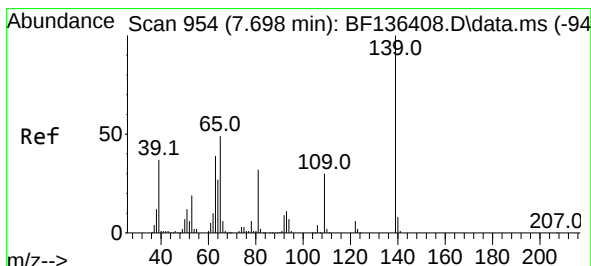
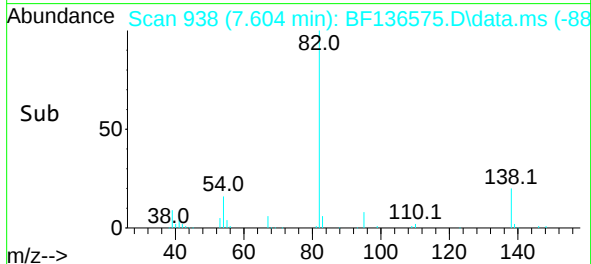
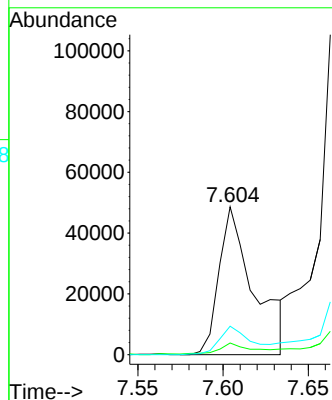
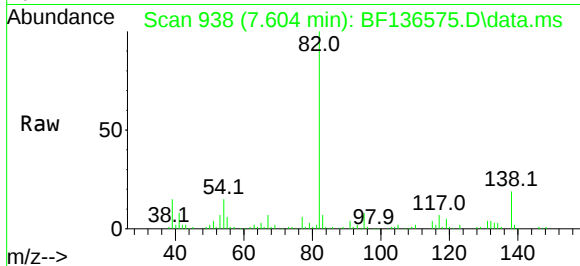
#25  
Isophorone  
Concen: 13.044 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS

Tgt Ion: 82 Resp: 69474  
Ion Ratio Lower Upper  
82 100  
95 7.9 5.7 8.5  
138 19.3 14.5 21.7

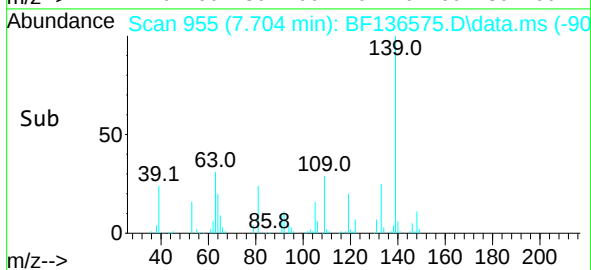
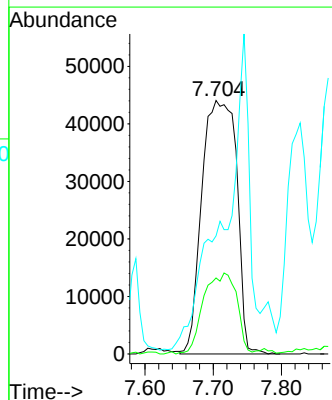
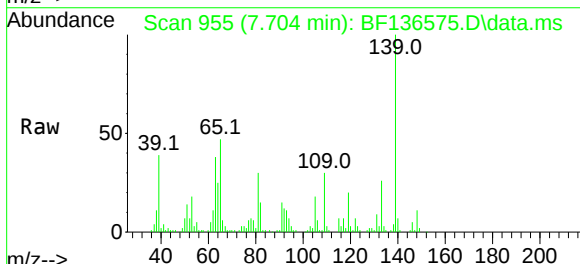
Manual Integrations  
APPROVED

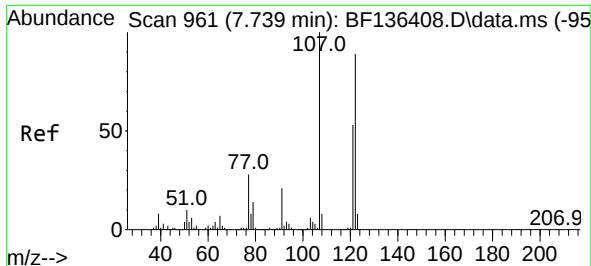
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#26  
2-Nitrophenol  
Concen: 106.530 ng  
RT: 7.704 min Scan# 955  
Delta R.T. 0.018 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Tgt Ion:139 Resp: 156186  
Ion Ratio Lower Upper  
139 100  
109 30.0 23.6 35.4  
65 46.6 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 111.896 ng

RT: 7.781 min Scan# 90

Delta R.T. 0.053 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:122 Resp: 20228

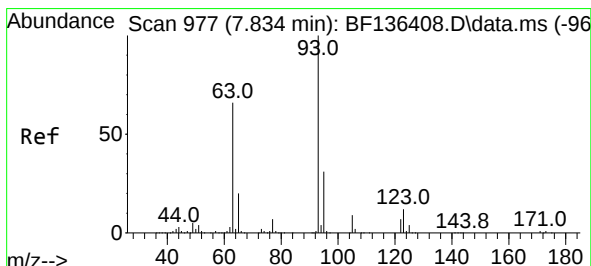
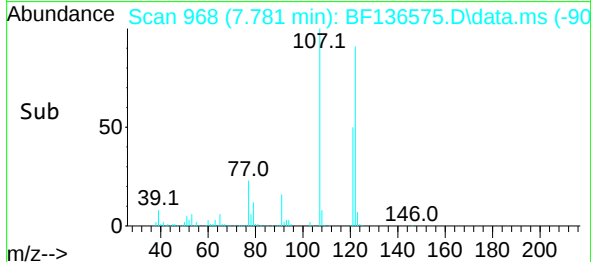
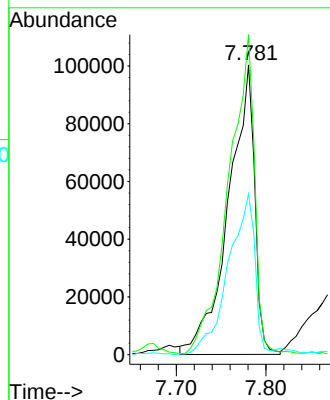
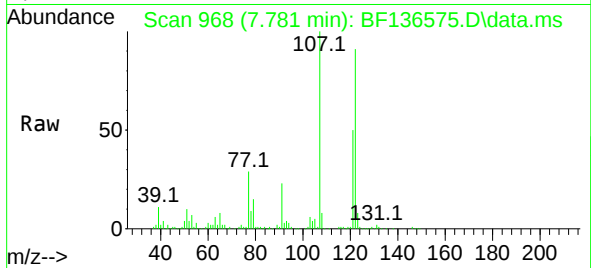
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 110.4 | 89.3  | 133.9 |
| 121 | 55.4  | 47.6  | 71.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#28

bis(2-Chloroethoxy)methane

Concen: 87.425 ng

RT: 7.898 min Scan# 988

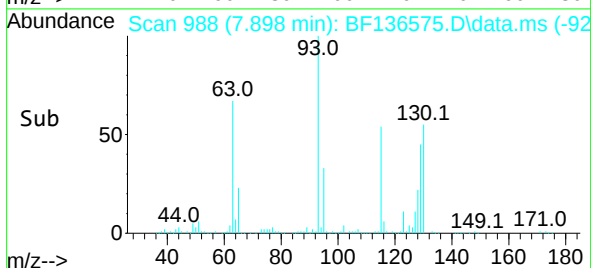
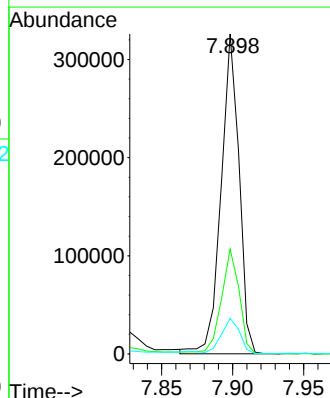
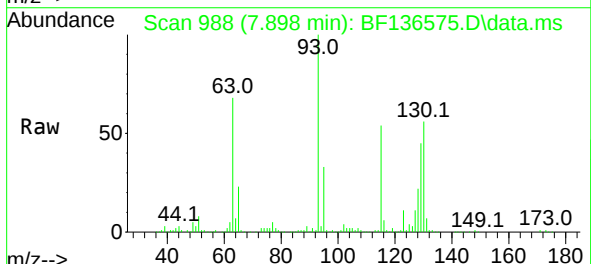
Delta R.T. 0.076 min

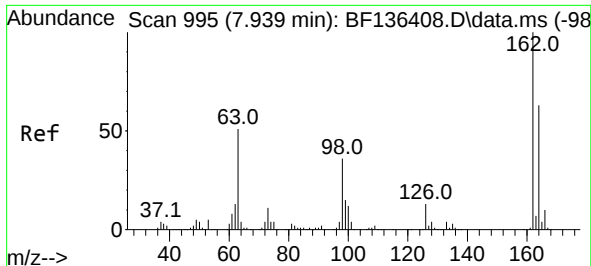
Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Tgt Ion: 93 Resp: 286122

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.8  | 25.0  | 37.4  |
| 123 | 11.1  | 9.4   | 14.0  |





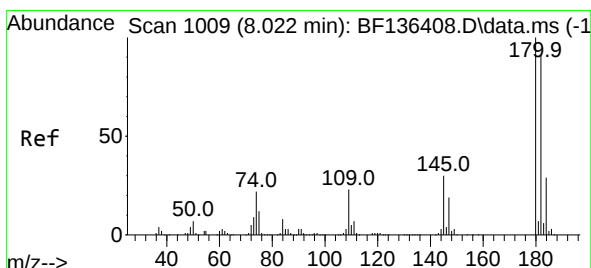
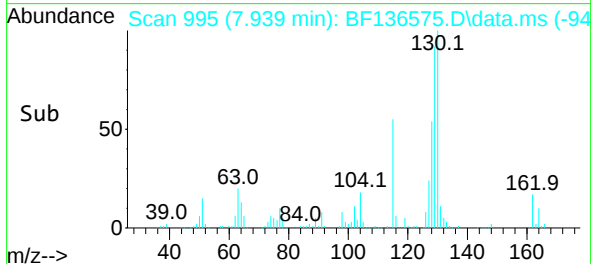
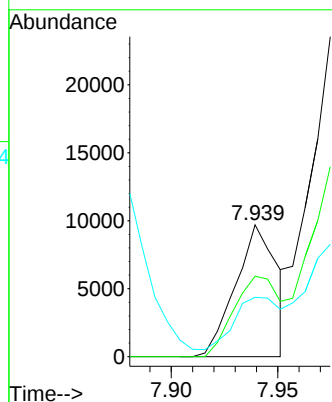
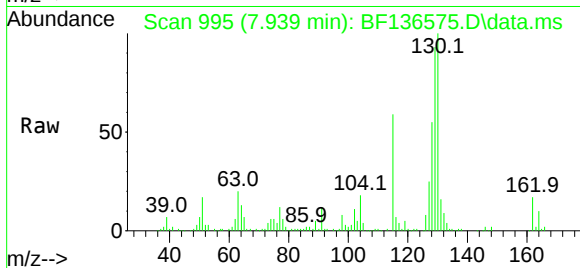
#29  
2,4-Dichlorophenol  
Concen: 5.472 ng  
RT: 7.939 min Scan# 995  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS

Tgt Ion:162 Resp: 13058  
Ion Ratio Lower Upper  
162 100  
164 61.0 43.0 83.0  
98 45.0 16.2 56.2

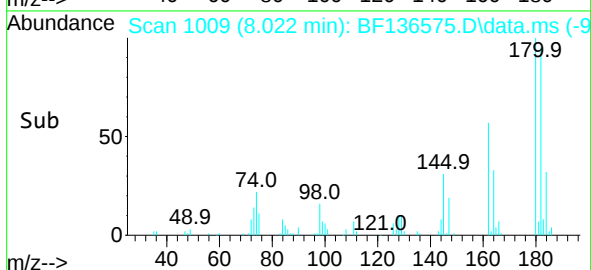
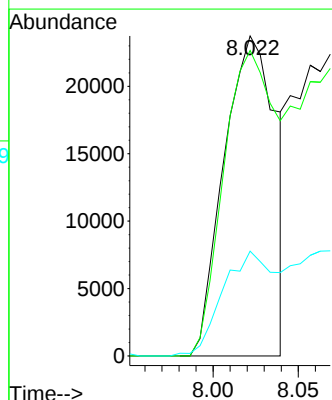
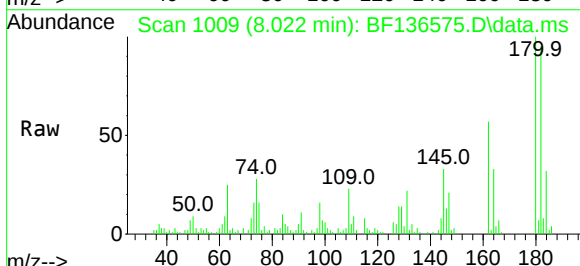
Manual Integrations  
APPROVED

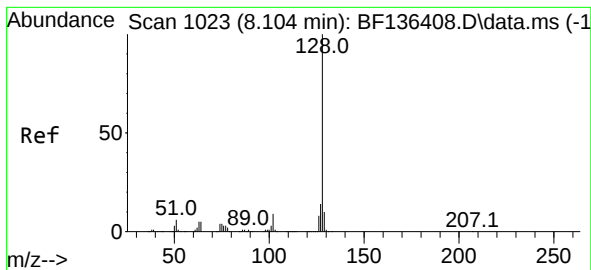
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 17.995 ng  
RT: 8.022 min Scan# 1009  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

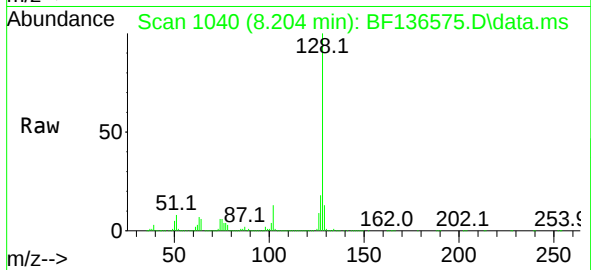
Tgt Ion:180 Resp: 50071  
Ion Ratio Lower Upper  
180 100  
182 95.4 73.1 109.7  
145 32.8 23.8 35.8





#31  
Naphthalene  
Concen: 4160.001 ng m  
RT: 8.204 min Scan# 1023  
Delta R.T. 0.112 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

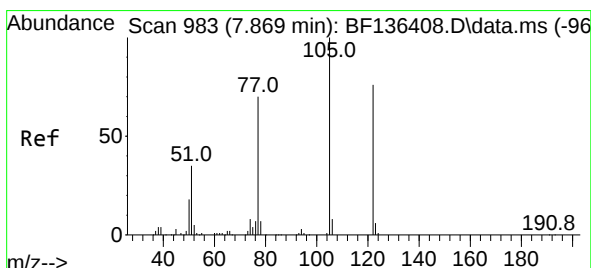
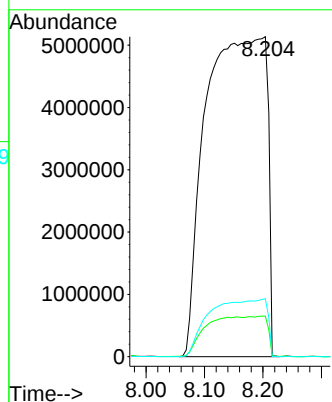
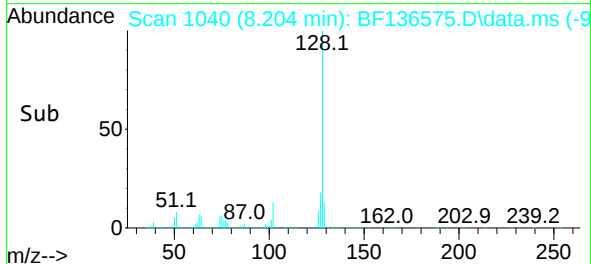
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:128 Resp:3676549  
Ion Ratio Lower Upper  
128 100  
129 12.7 8.3 12.5  
127 18.1 11.1 16.7

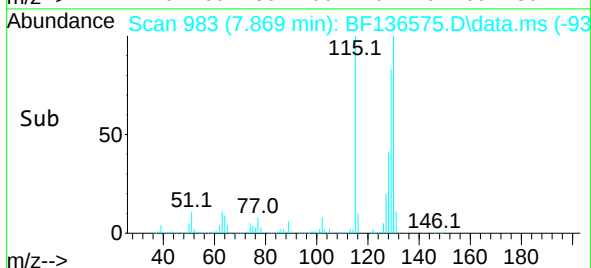
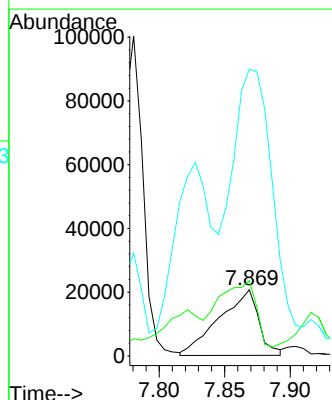
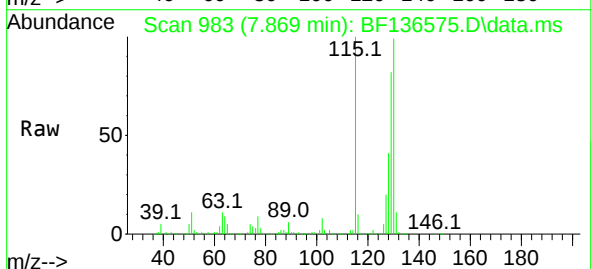
Manual Integrations  
APPROVED

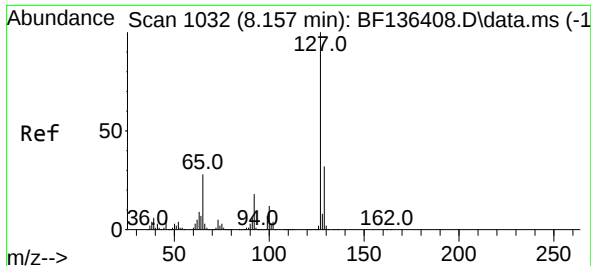
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#32  
Benzoic acid  
Concen: 24.188 ng  
RT: 7.869 min Scan# 983  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

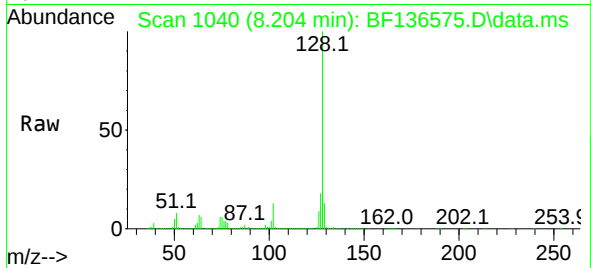
Tgt Ion:122 Resp: 43378  
Ion Ratio Lower Upper  
122 100  
105 113.9 104.7 144.7  
77 433.1 68.5 108.5





#33  
4-Chloroaniline  
Concen: 1980.299 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. 0.065 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

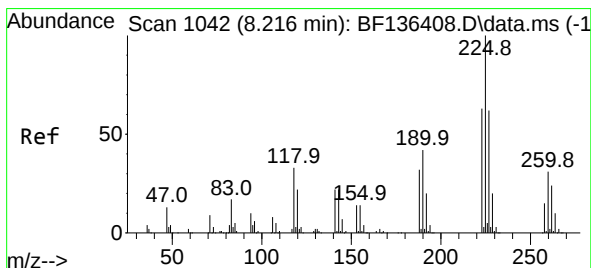
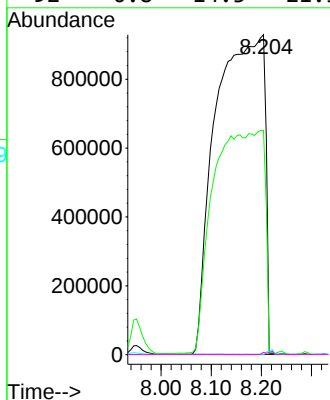
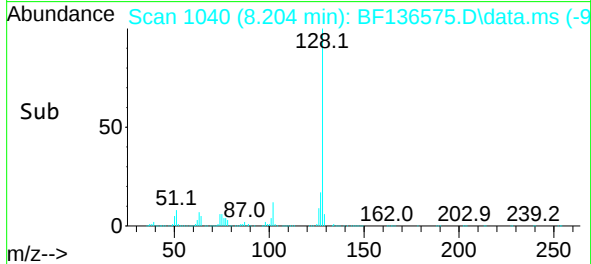
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:127 Resp: 623947  
Ion Ratio Lower Upper  
127 100  
129 70.1 25.4 38.2  
65 0.0 22.5 33.7  
92 0.8 14.3 21.5#

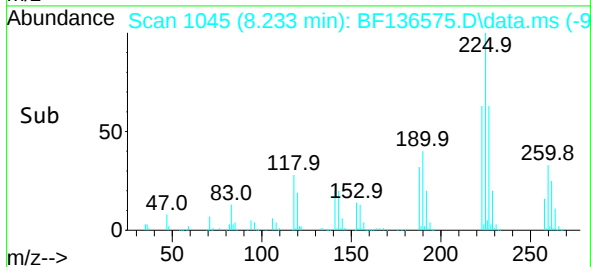
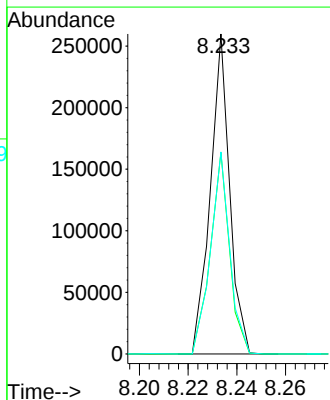
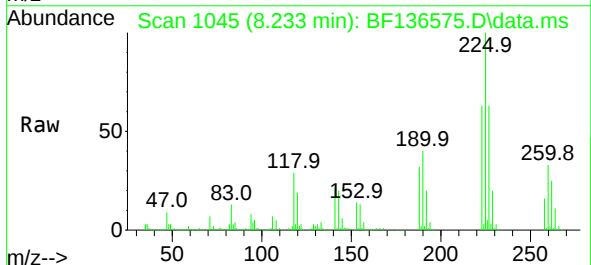
Manual Integrations  
APPROVED

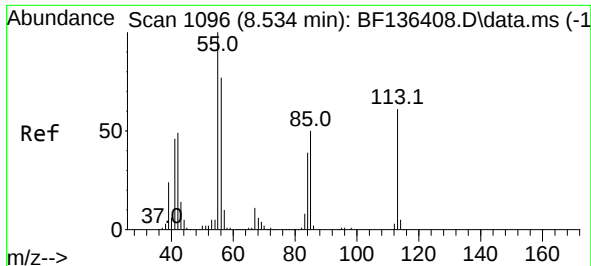
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#34  
Hexachlorobutadiene  
Concen: 86.788 ng  
RT: 8.233 min Scan# 1045  
Delta R.T. 0.029 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

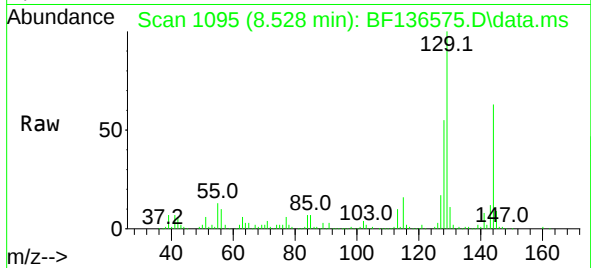
Tgt Ion:225 Resp: 143115  
Ion Ratio Lower Upper  
225 100  
223 63.0 50.8 76.2  
227 63.1 49.8 74.8





#35  
Caprolactam  
Concen: 18.931 ng  
RT: 8.528 min Scan# 1095  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

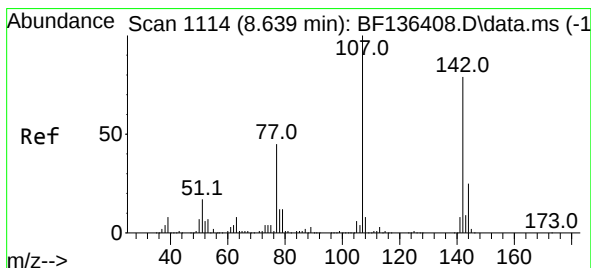
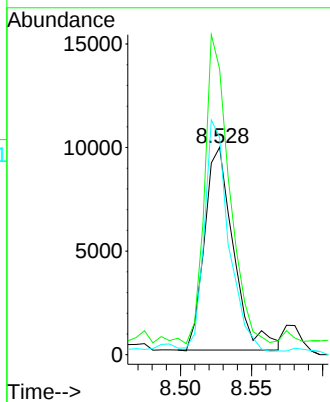
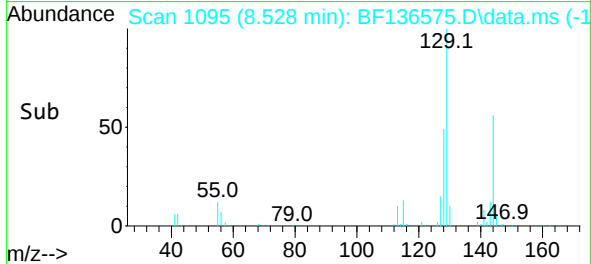
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



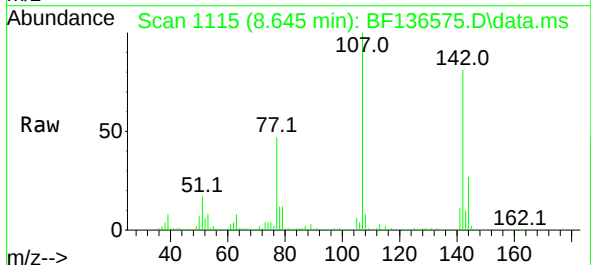
Tgt Ion:113 Resp: 1391  
Ion Ratio Lower Upper  
113 100  
55 137.8 143.7 183.7  
56 104.7 105.2 145.2

Manual Integrations  
APPROVED

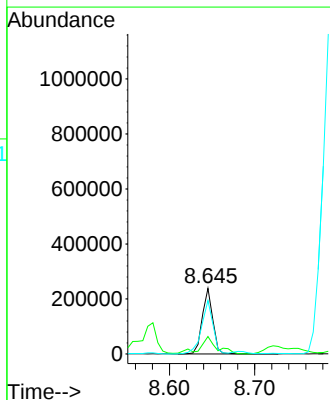
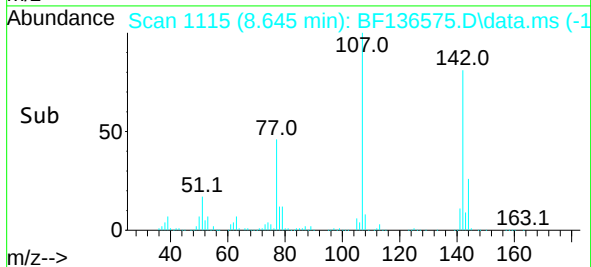
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

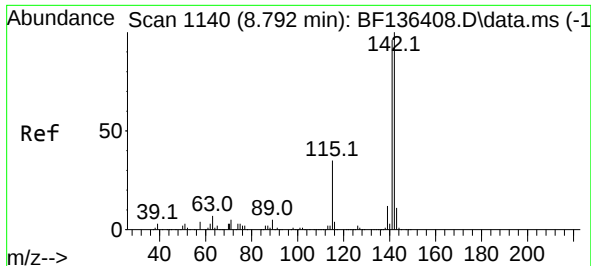


#36  
4-Chloro-3-methylphenol  
Concen: 80.026 ng  
RT: 8.645 min Scan# 1115  
Delta R.T. 0.018 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion:107 Resp: 202757  
Ion Ratio Lower Upper  
107 100  
144 26.6 20.1 30.1  
142 81.4 63.1 94.7





#37

2-Methylnaphthalene

Concen: 1075.681 ng

RT: 8.816 min Scan# 1144

Delta R.T. 0.035 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:142 Resp: 604808

Ion Ratio Lower Upper

142 100

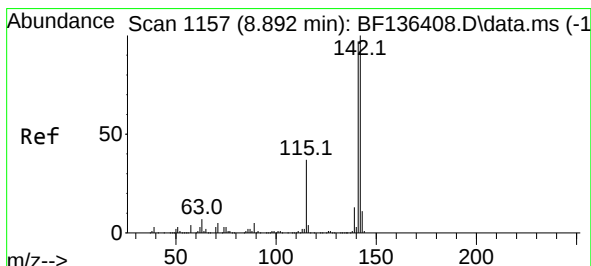
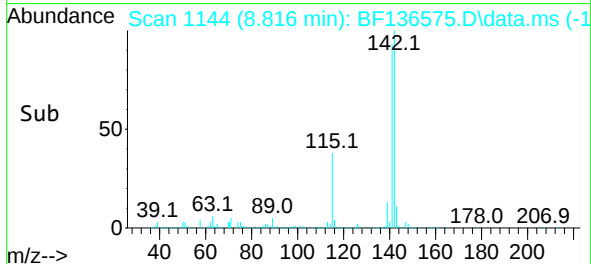
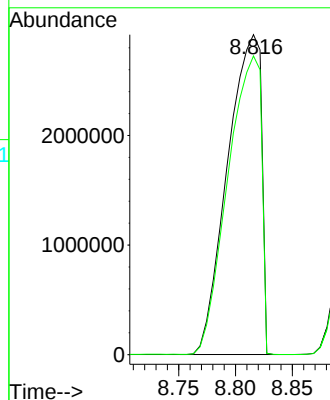
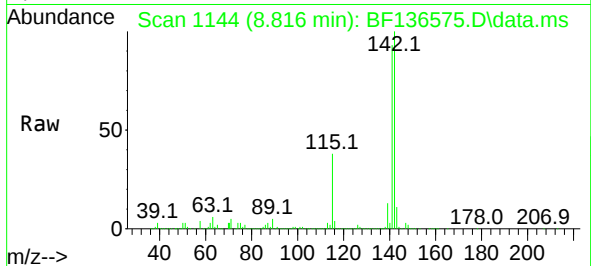
141 93.4 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#38

1-Methylnaphthalene

Concen: 764.107 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.035 min

Lab File: BF136575.D

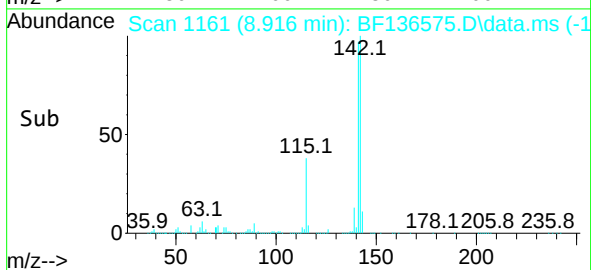
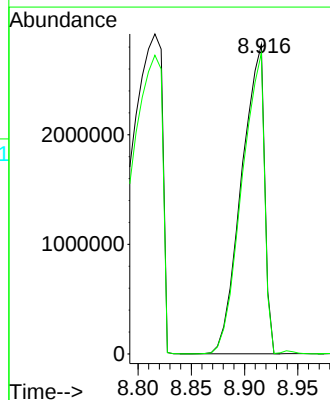
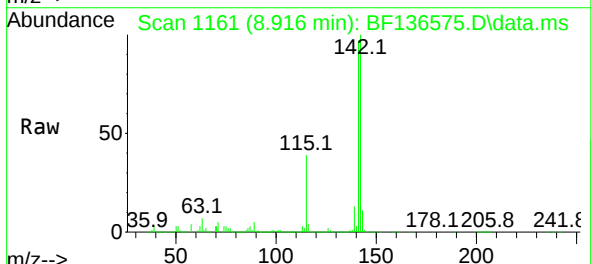
Acq: 14 Dec 2023 18:48

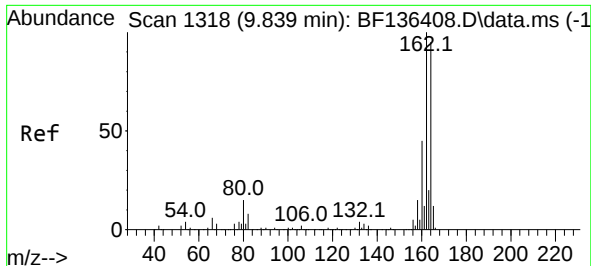
Tgt Ion:142 Resp: 4215803

Ion Ratio Lower Upper

142 100

141 97.2 77.7 116.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

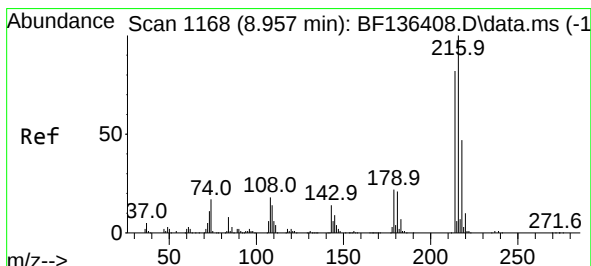
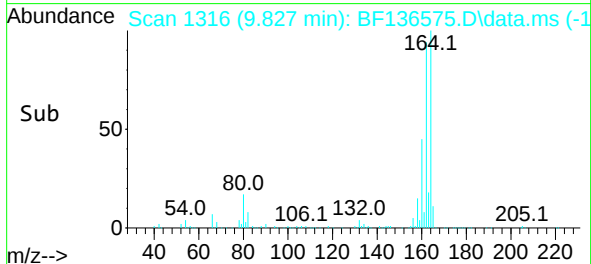
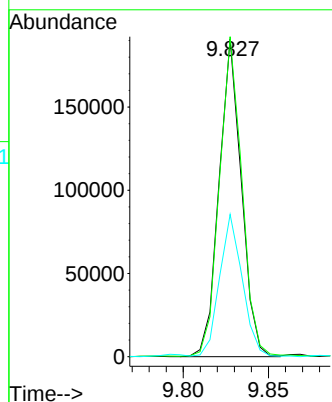
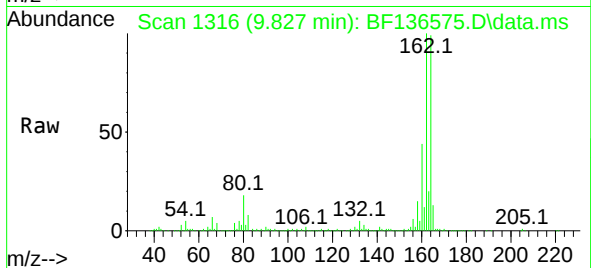
Tgt Ion:164 Resp: 173999  
 Ion Ratio Lower Upper  
 164 100  
 162 100.8 84.4 126.6  
 160 44.8 37.6 56.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.210 ng

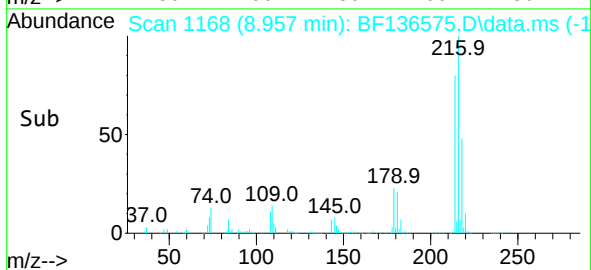
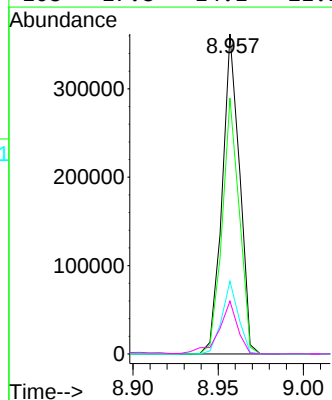
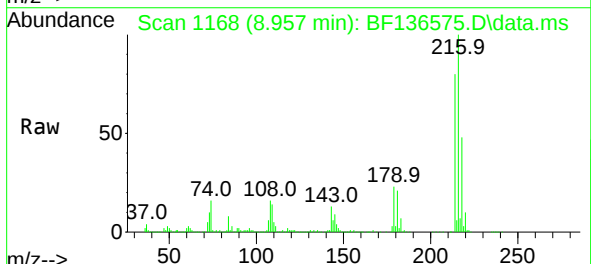
RT: 8.957 min Scan# 1168

Delta R.T. 0.012 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

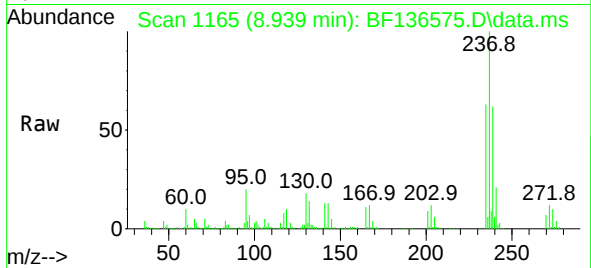
Tgt Ion:216 Resp: 255567  
 Ion Ratio Lower Upper  
 216 100  
 214 78.6 64.1 96.1  
 179 21.6 17.0 25.6  
 108 17.8 14.1 21.1





#41  
Hexachlorocyclopentadiene  
Concen: 84.077 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

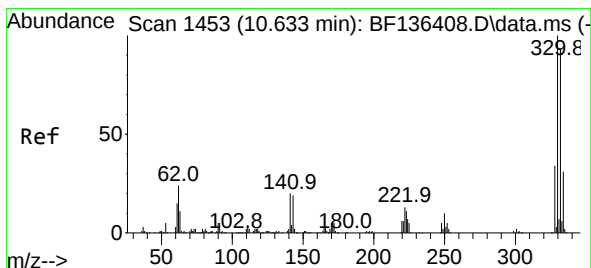
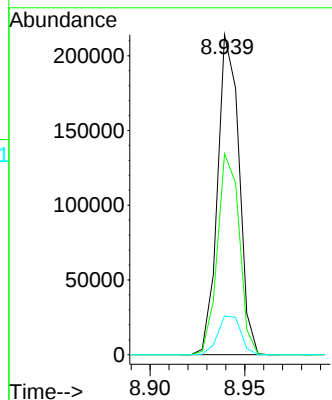
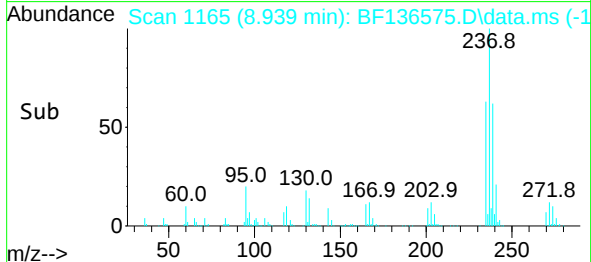
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



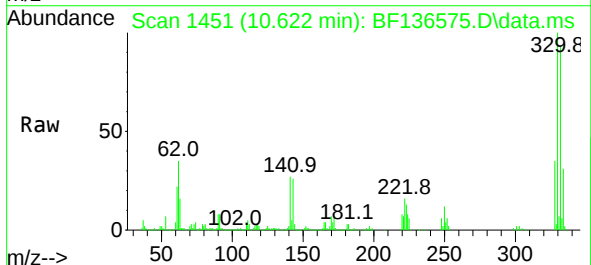
Tgt Ion:237 Resp: 16861  
Ion Ratio Lower Upper  
237 100  
235 62.8 44.1 84.1  
272 12.1 0.0 33.3

Manual Integrations  
APPROVED

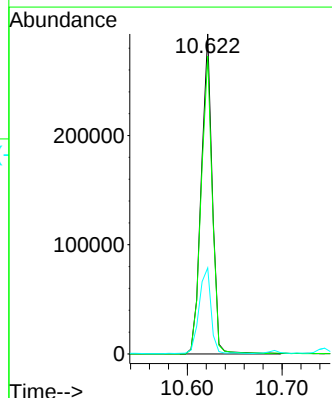
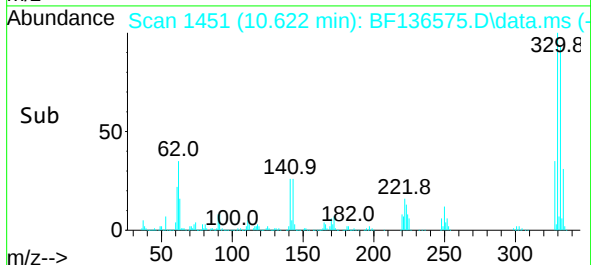
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

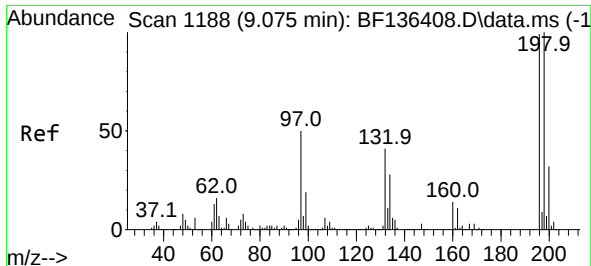


#42  
2,4,6-Tribromophenol  
Concen: 110.091 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion:330 Resp: 236191  
Ion Ratio Lower Upper  
330 100  
332 94.7 76.4 114.6  
141 29.3 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 43.445 ng

RT: 9.069 min Scan# 1187

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:196 Resp: 15313

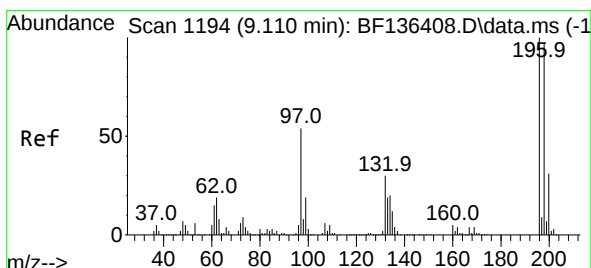
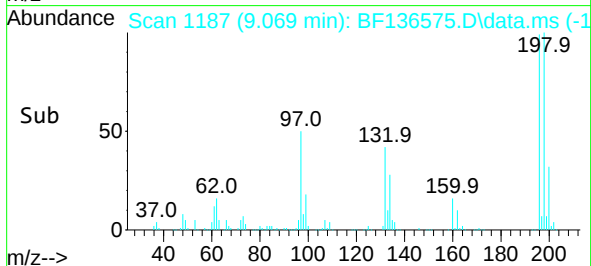
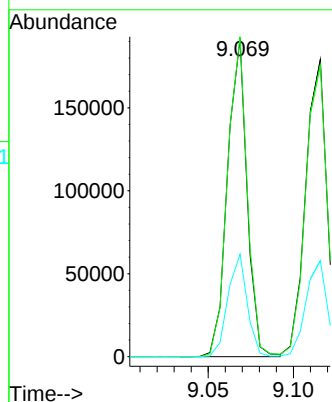
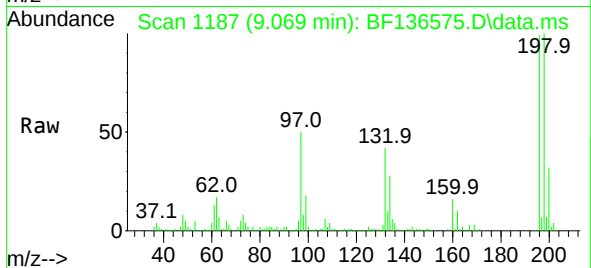
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 100.6 | 80.4  | 120.6 |
| 200 | 32.3  | 25.9  | 38.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#44

2,4,5-Trichlorophenol

Concen: 40.457 ng

RT: 9.116 min Scan# 1195

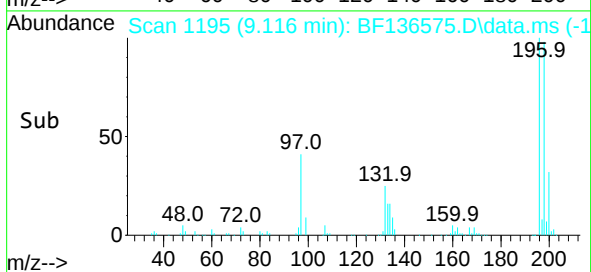
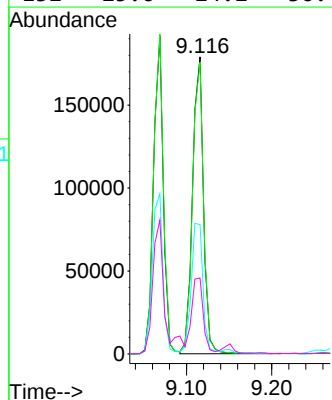
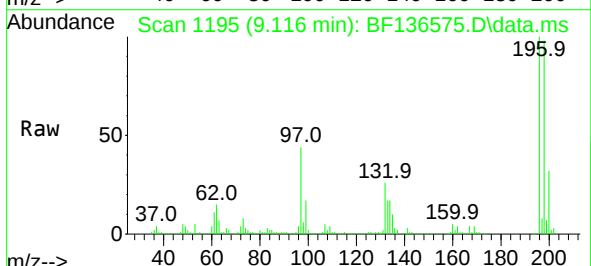
Delta R.T. 0.012 min

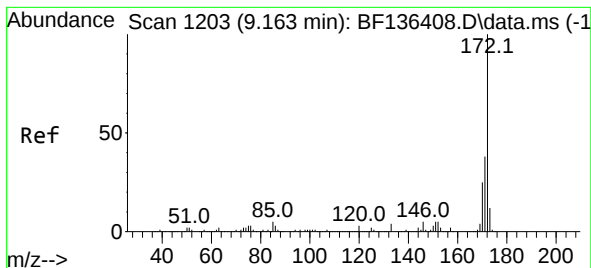
Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Tgt Ion:196 Resp: 159158

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 98.2  | 78.1  | 117.1 |
| 97  | 43.6  | 43.4  | 65.2  |
| 132 | 25.6  | 24.2  | 36.4  |





#45

2-Fluorobiphenyl

Concen: 85.994 ng

RT: 9.151 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:172 Resp: 109658

Ion Ratio Lower Upper

172 100

171 36.7 30.5 45.7

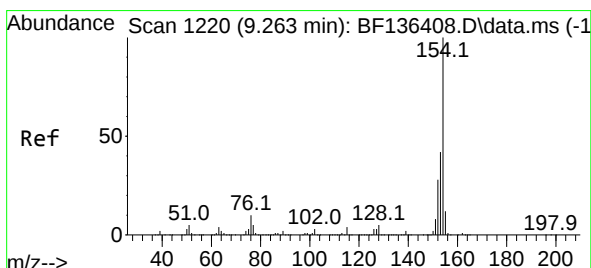
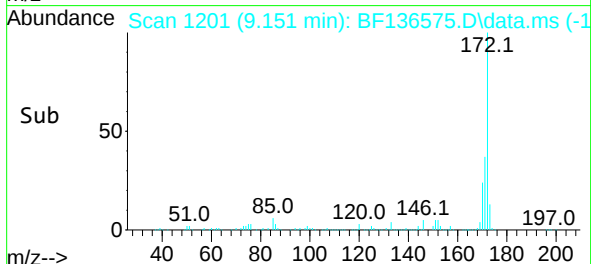
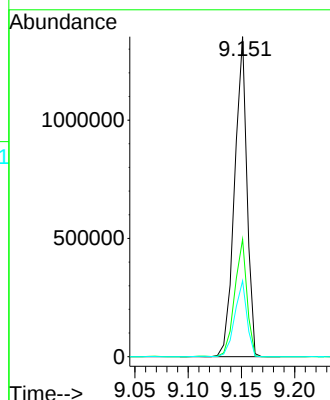
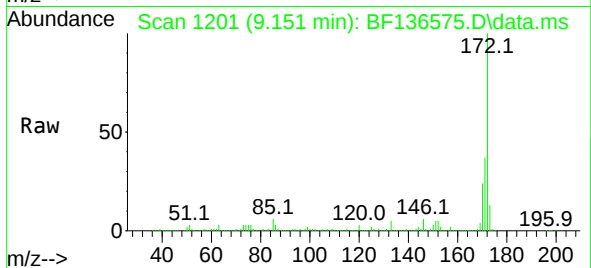
170 23.7 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#46

1,1'-Biphenyl

Concen: 90.627 ng

RT: 9.257 min Scan# 1219

Delta R.T. 0.012 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

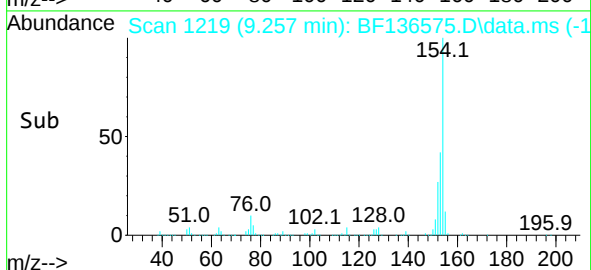
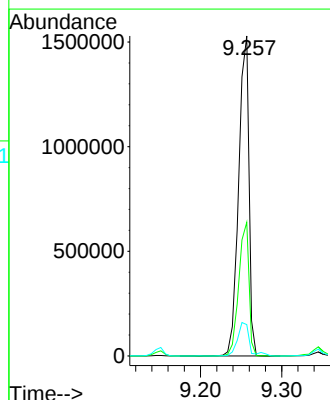
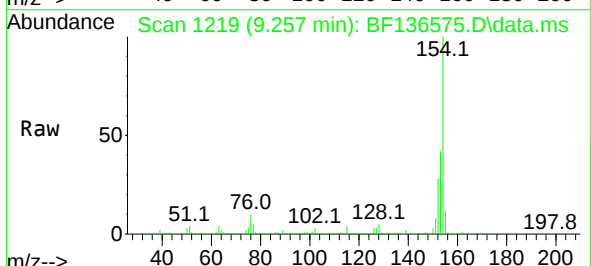
Tgt Ion:154 Resp: 1341785

Ion Ratio Lower Upper

154 100

153 41.7 22.5 62.5

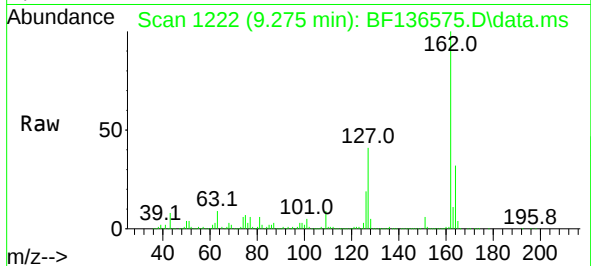
76 9.8 0.0 29.9





#47  
2-Chloronaphthalene  
Concen: 42.646 ng  
RT: 9.275 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

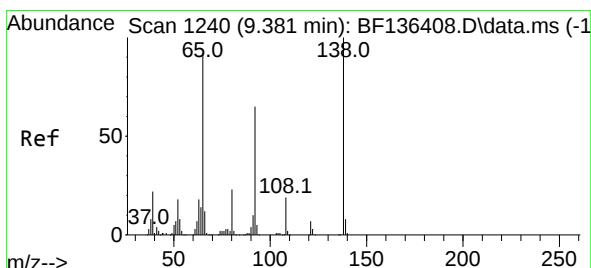
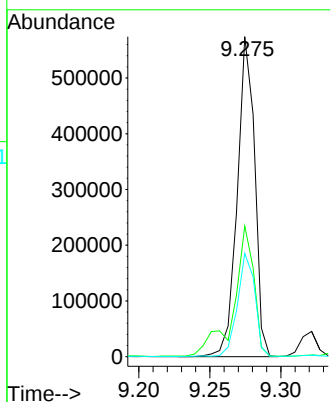
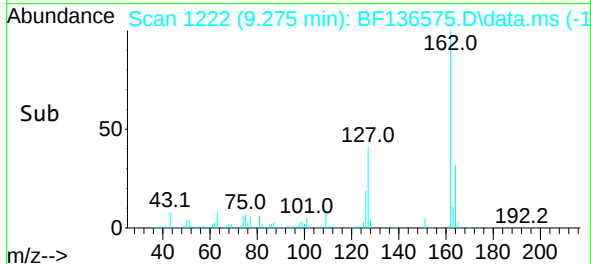
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



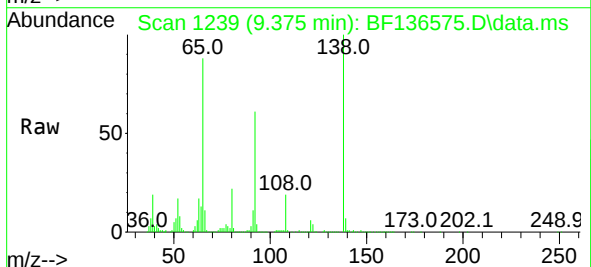
Tgt Ion:162 Resp: 491430  
Ion Ratio Lower Upper  
162 100  
127 40.8 31.1 46.7  
164 32.2 24.6 37.0

Manual Integrations  
APPROVED

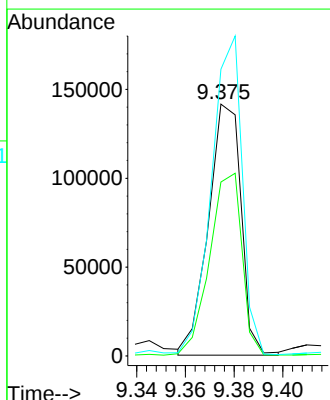
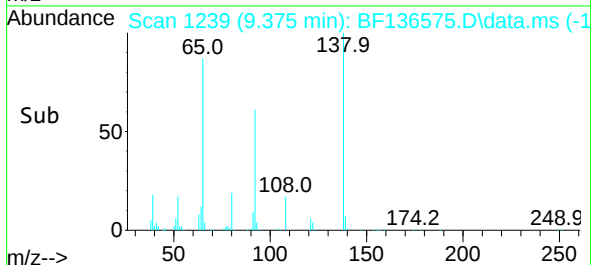
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

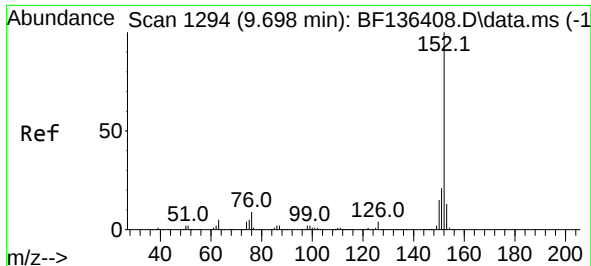


#48  
2-Nitroaniline  
Concen: 42.664 ng  
RT: 9.375 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion: 65 Resp: 131860  
Ion Ratio Lower Upper  
65 100  
92 69.1 56.1 84.1  
138 113.8 86.7 130.1





#49

Acenaphthylene

Concen: 51.665 ng

RT: 9.692 min Scan# 1294

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:152 Resp: 848100

Ion Ratio Lower Upper

152 100

151 20.5 17.2 25.8

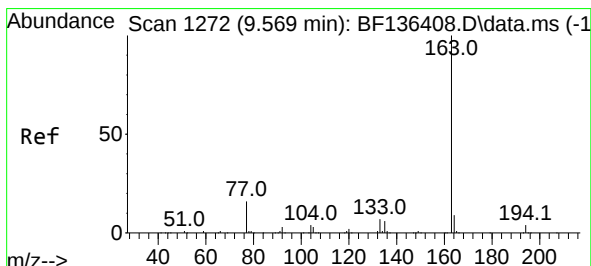
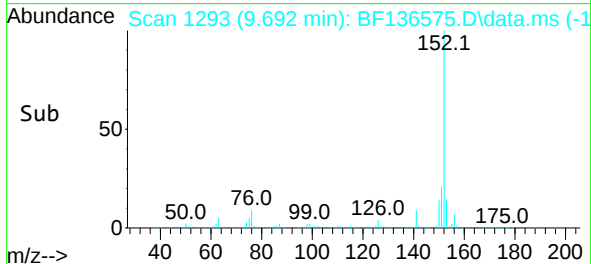
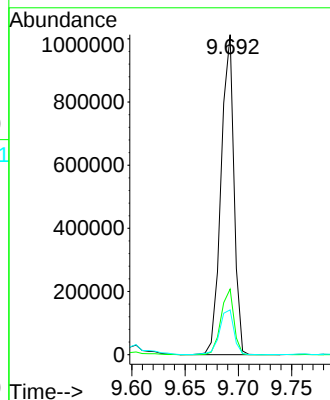
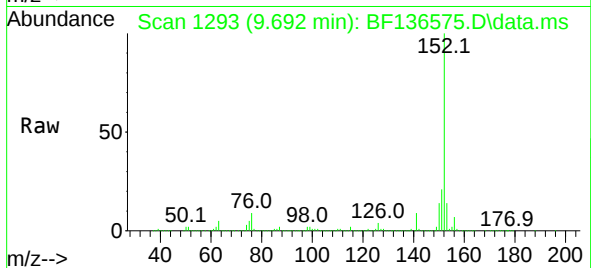
153 14.0 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#50

Dimethylphthalate

Concen: 45.001 ng

RT: 9.557 min Scan# 1270

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

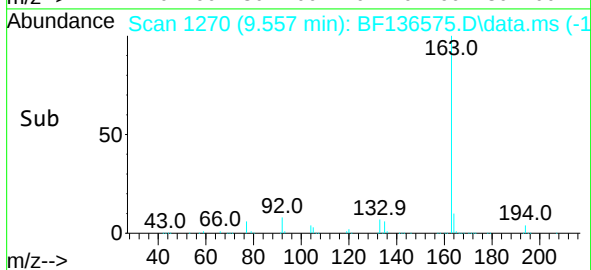
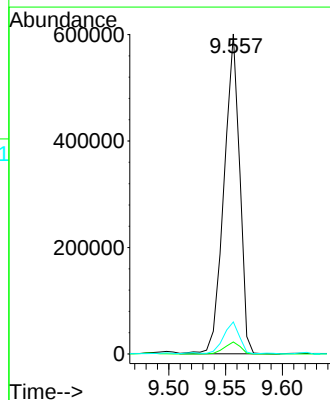
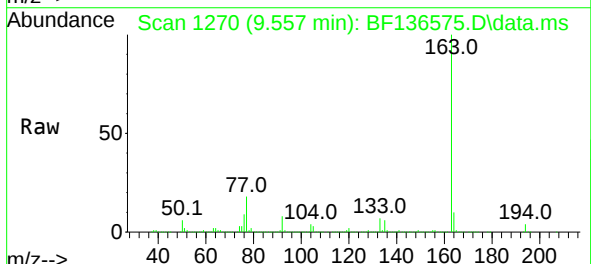
Tgt Ion:163 Resp: 576486

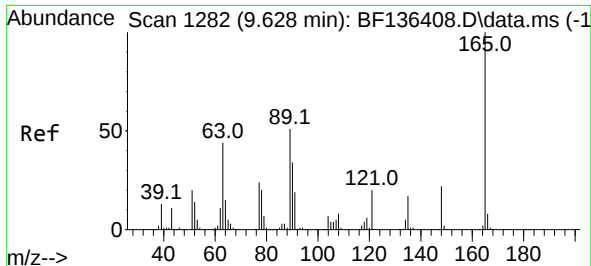
Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

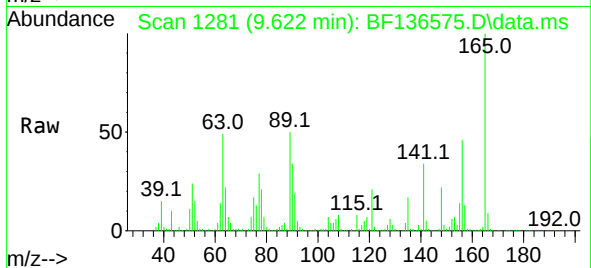
164 10.0 7.4 11.2





#51  
2,6-Dinitrotoluene  
Concen: 41.436 ng  
RT: 9.622 min Scan# 1282  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

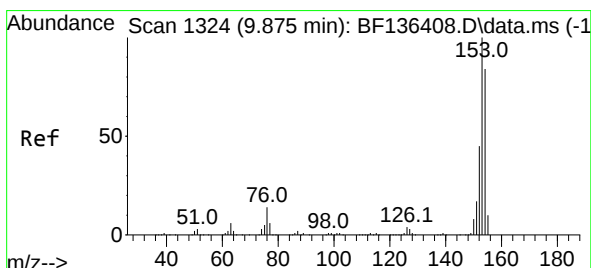
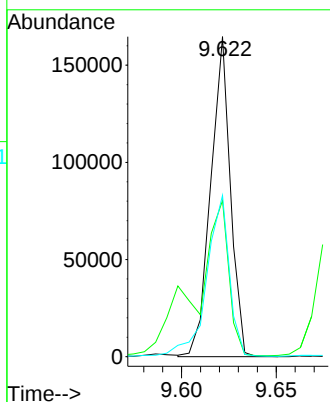
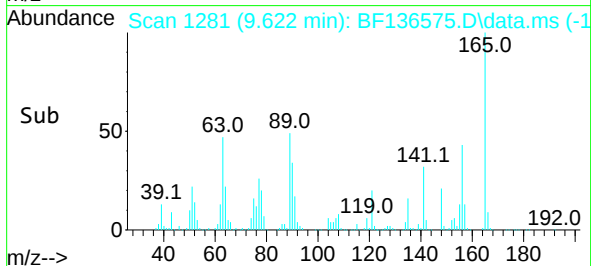
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:165 Resp: 119419  
Ion Ratio Lower Upper  
165 100  
63 48.8 40.4 60.6  
89 50.4 40.6 60.8

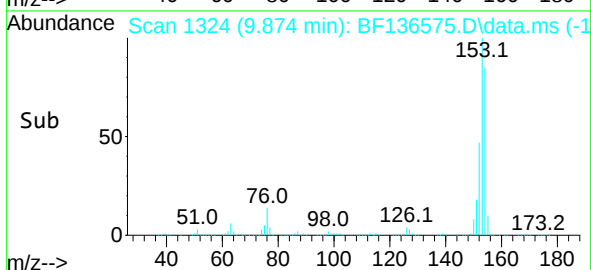
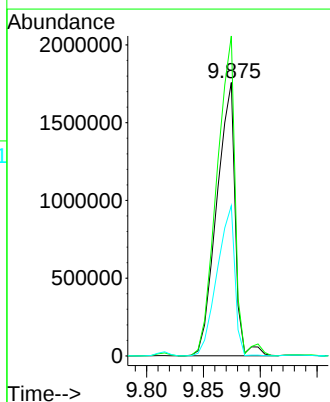
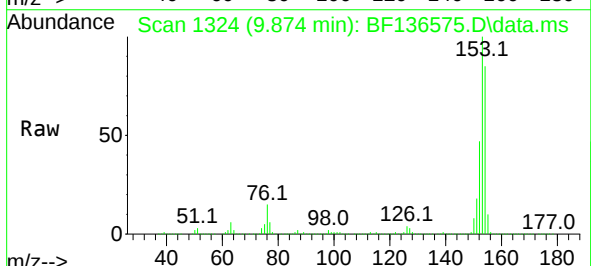
Manual Integrations  
APPROVED

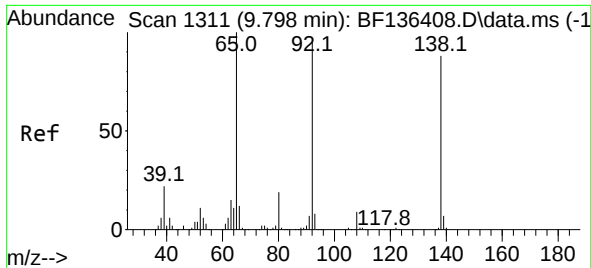
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#52  
Acenaphthene  
Concen: 189.528 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

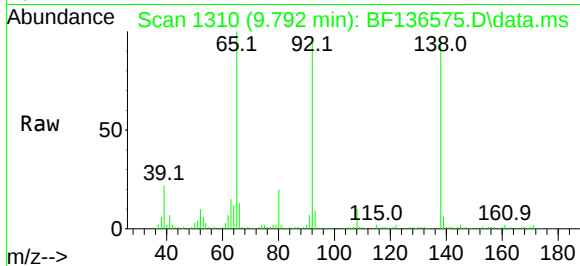
Tgt Ion:154 Resp: 1993685  
Ion Ratio Lower Upper  
154 100  
153 117.0 95.3 142.9  
152 55.0 43.2 64.8





#53  
3-Nitroaniline  
Concen: 29.700 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

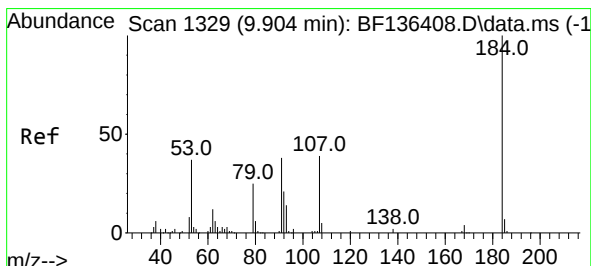
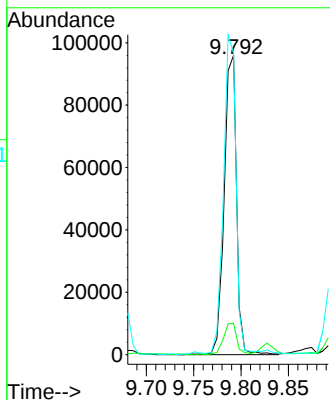
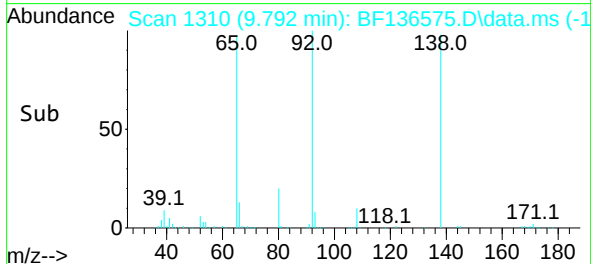
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



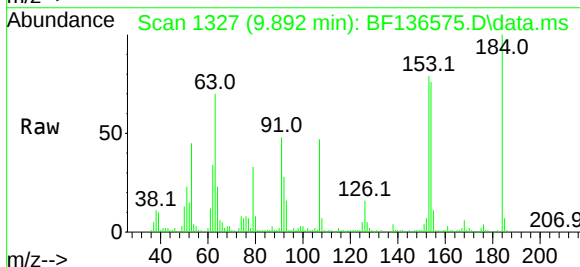
Tgt Ion:138 Resp: 8740  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.5 12.7  
92 100.5 86.1 129.1

Manual Integrations  
APPROVED

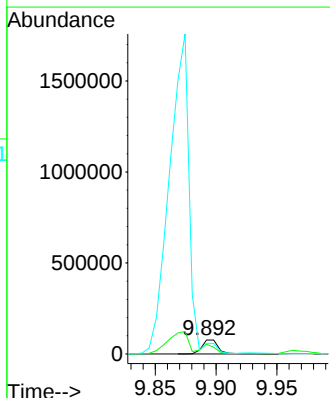
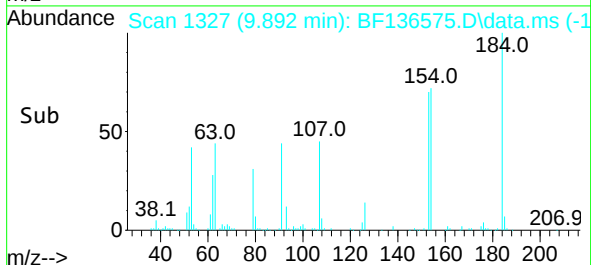
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

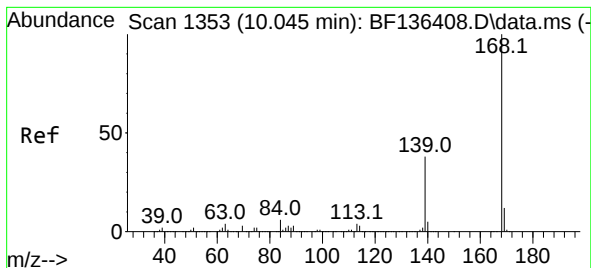


#54  
2,4-Dinitrophenol  
Concen: 50.358 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



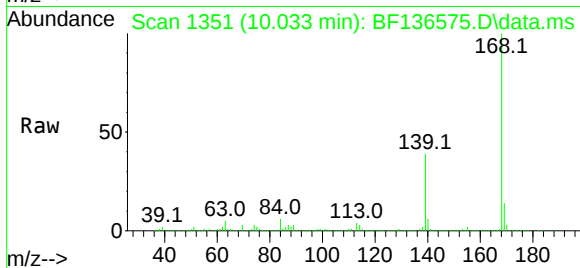
Tgt Ion:184 Resp: 73378  
Ion Ratio Lower Upper  
184 100  
63 69.9 39.1 58.7#  
154 76.5 49.9 74.9#





#55  
Dibenzenofuran  
Concen: 49.221 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

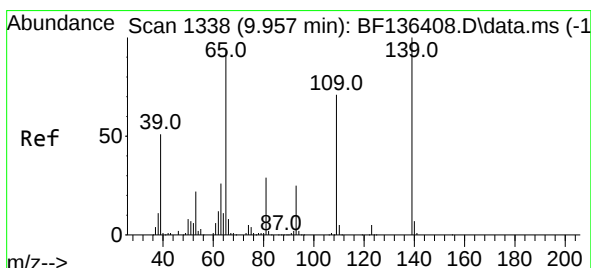
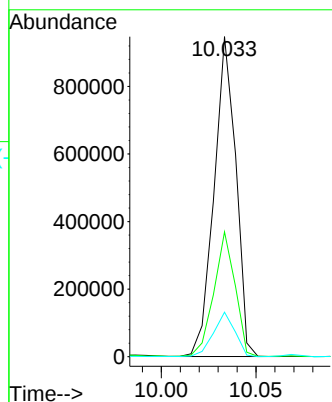
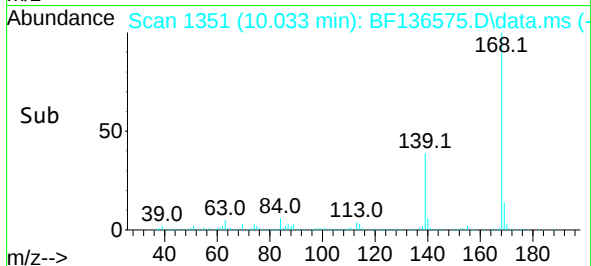
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



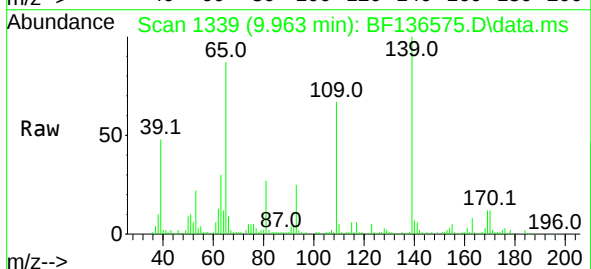
Tgt Ion:168 Resp: 756390  
Ion Ratio Lower Upper  
168 100  
139 39.0 30.4 45.6  
169 13.9 9.9 14.9

Manual Integrations  
APPROVED

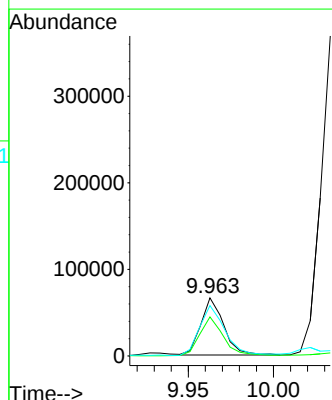
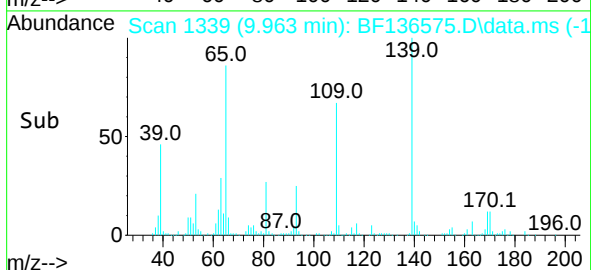
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

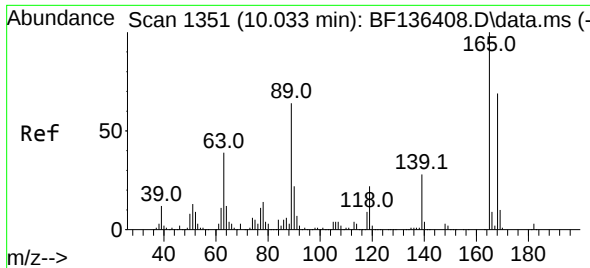


#56  
4-Nitrophenol  
Concen: 27.876 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



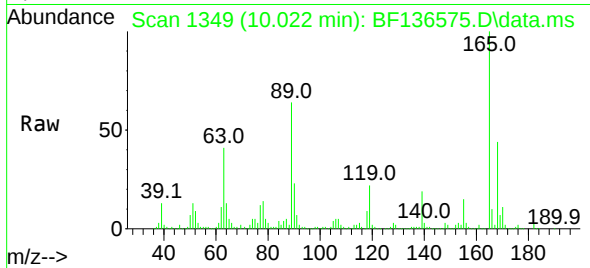
Tgt Ion:139 Resp: 61500  
Ion Ratio Lower Upper  
139 100  
109 67.3 50.6 90.6  
65 86.8 73.1 113.1





#57  
2,4-Dinitrotoluene  
Concen: 42.659 ng  
RT: 10.022 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

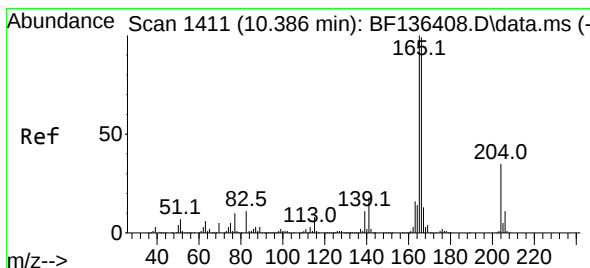
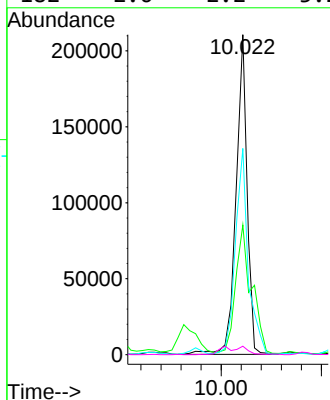
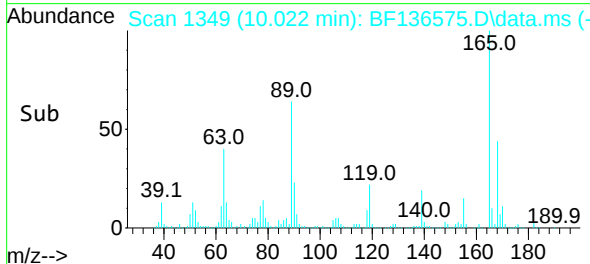
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:165 Resp: 16263  
Ion Ratio Lower Upper  
165 100  
63 40.5 31.4 47.2  
89 64.4 51.7 77.5  
182 2.6 2.2 3.2

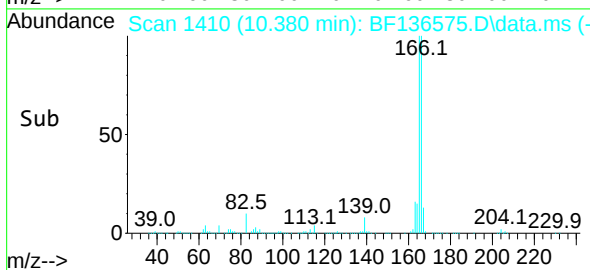
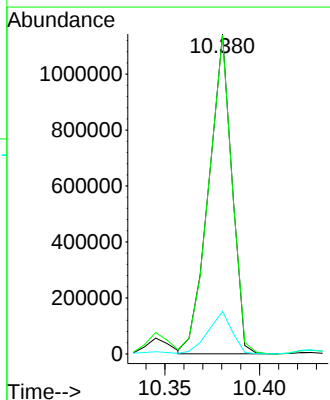
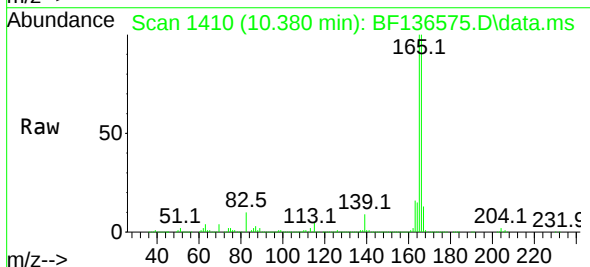
Manual Integrations  
APPROVED

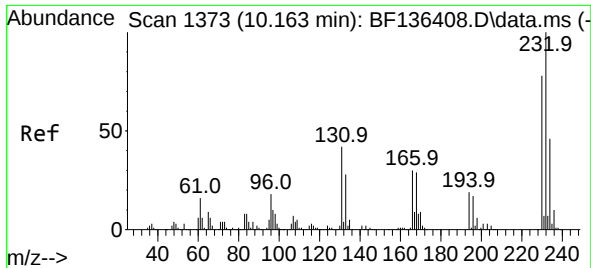
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#58  
Fluorene  
Concen: 78.821 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

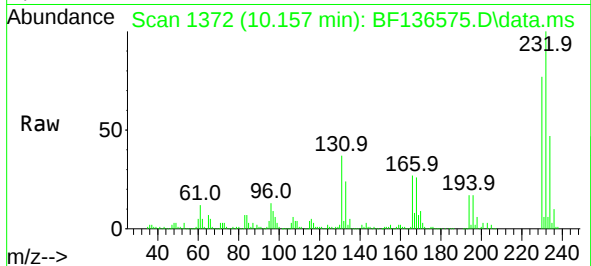
Tgt Ion:166 Resp: 972319  
Ion Ratio Lower Upper  
166 100  
165 99.6 80.5 120.7  
167 13.3 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.899 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

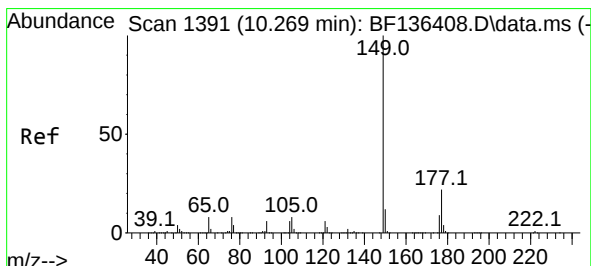
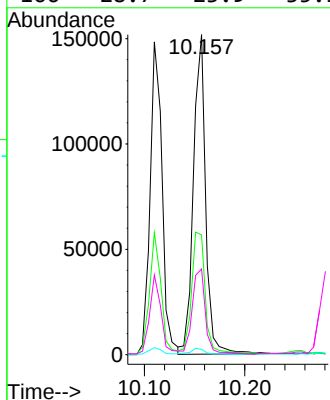
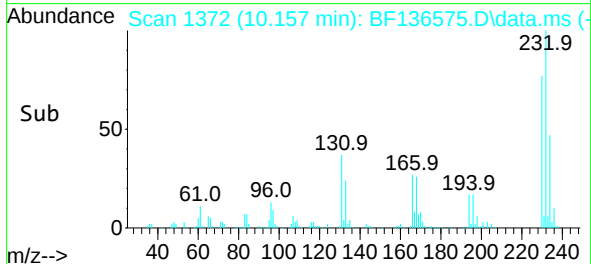
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:232 Resp: 12888  
Ion Ratio Lower Upper  
232 100  
131 43.0 34.3 51.5  
130 2.3 1.6 2.4  
166 28.7 23.9 35.9

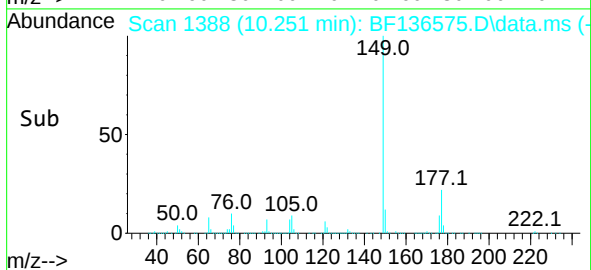
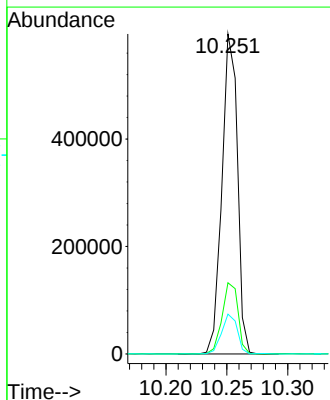
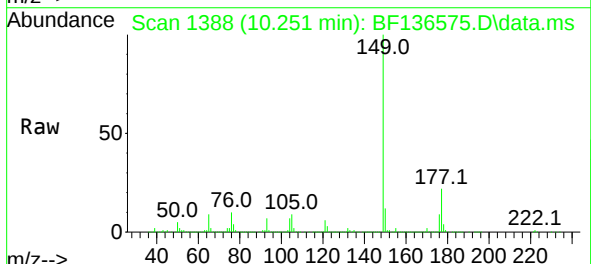
Manual Integrations  
APPROVED

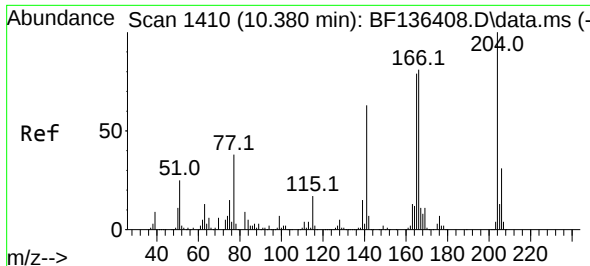
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#60  
Diethylphthalate  
Concen: 41.981 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

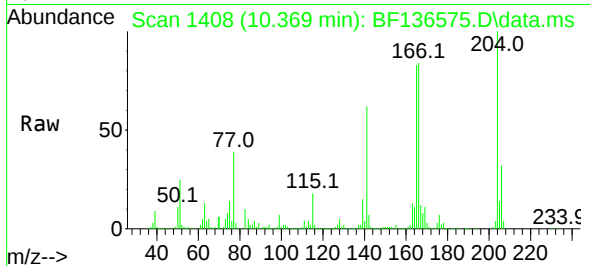
Tgt Ion:149 Resp: 528825  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.8 26.8  
150 12.5 9.4 14.0





#61  
4-Chlorophenyl-phenylether  
Concen: 41.855 ng  
RT: 10.369 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

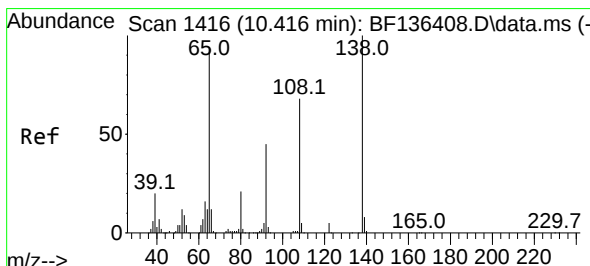
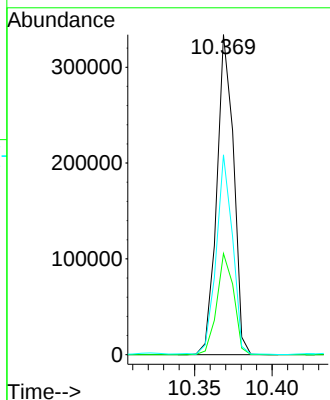
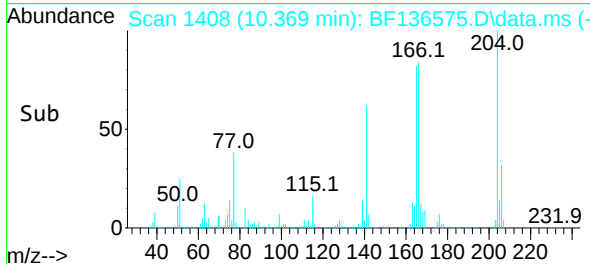
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



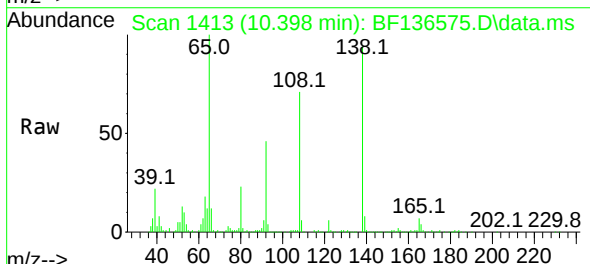
Tgt Ion:204 Resp: 251699  
Ion Ratio Lower Upper  
204 100  
206 31.6 24.6 36.8  
141 62.5 50.3 75.5

Manual Integrations  
APPROVED

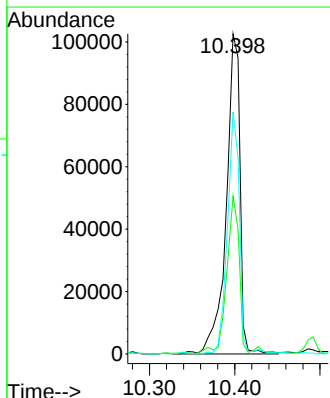
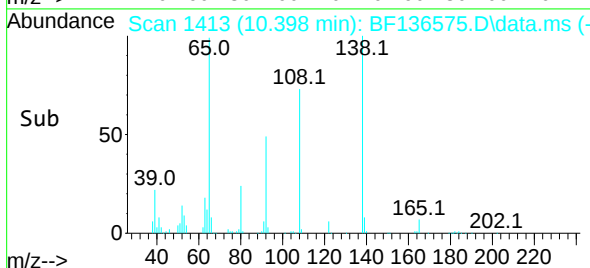
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

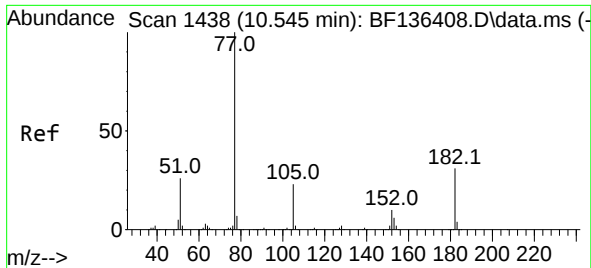


#62  
4-Nitroaniline  
Concen: 39.413 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



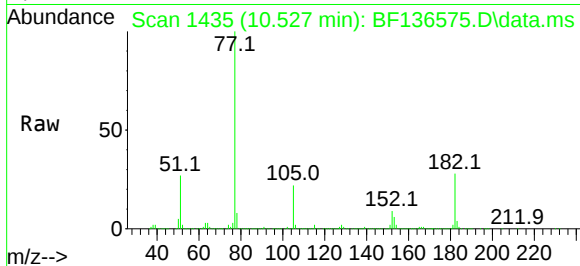
Tgt Ion:138 Resp: 115176  
Ion Ratio Lower Upper  
138 100  
92 49.3 25.0 65.0  
108 75.7 47.9 87.9





#63  
Azobenzene  
Concen: 40.109 ng  
RT: 10.527 min Scan# 1435  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

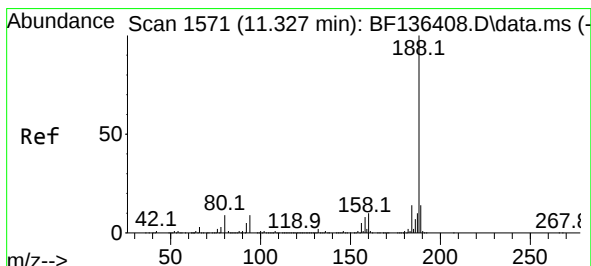
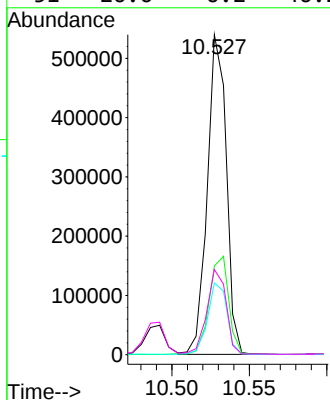
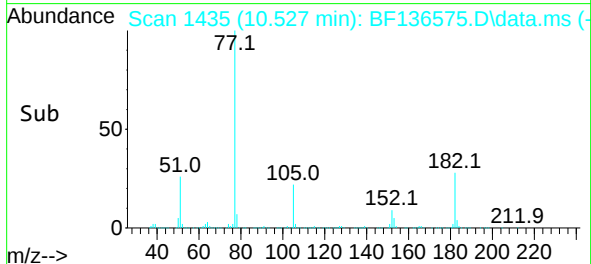
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



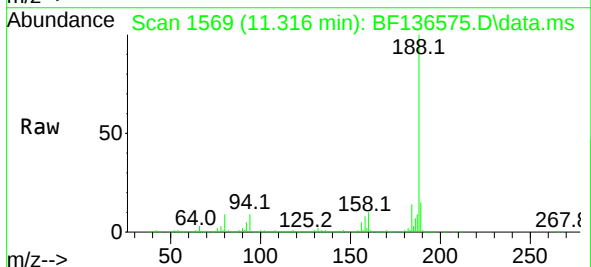
Tgt Ion: 77 Resp: 459870  
Ion Ratio Lower Upper  
77 100  
182 27.7 10.8 50.8  
105 22.4 2.6 42.6  
51 26.6 6.2 46.2

Manual Integrations  
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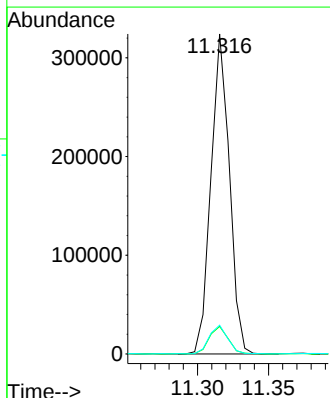
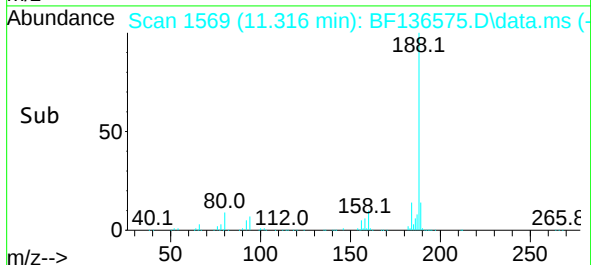
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

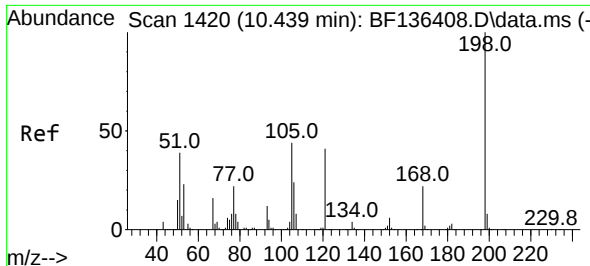


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



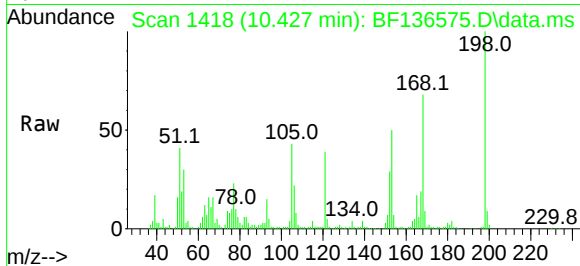
Tgt Ion:188 Resp: 293286  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.2 10.8  
80 9.0 7.2 10.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 32.122 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

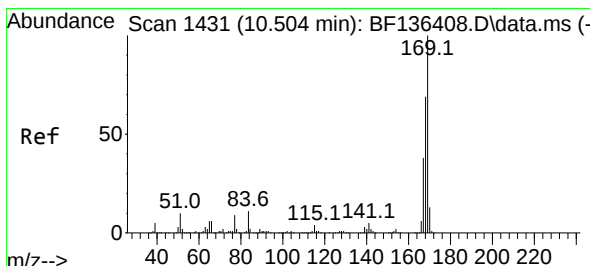
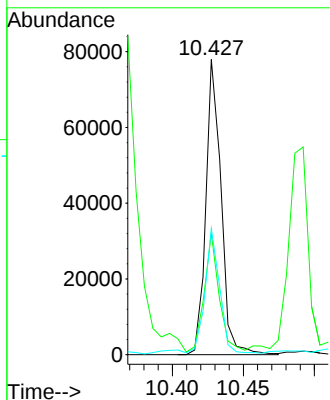
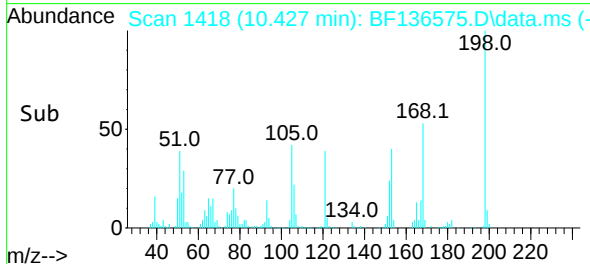
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



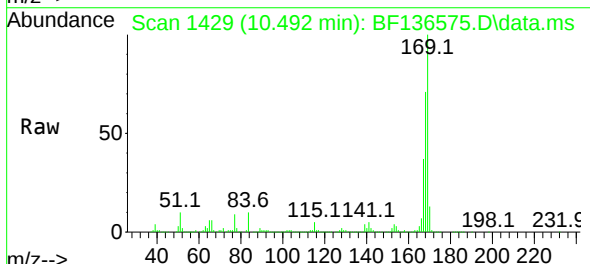
Tgt Ion:198 Resp: 5834  
Ion Ratio Lower Upper  
198 100  
51 41.0 24.1 64.1  
105 42.7 24.8 64.8

Manual Integrations  
APPROVED

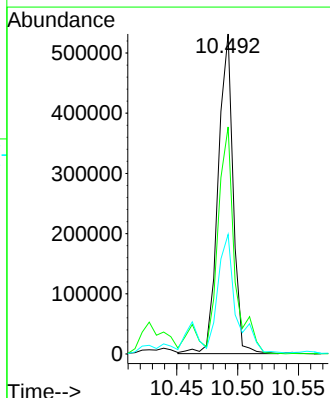
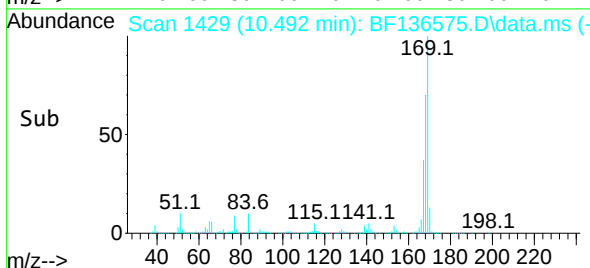
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

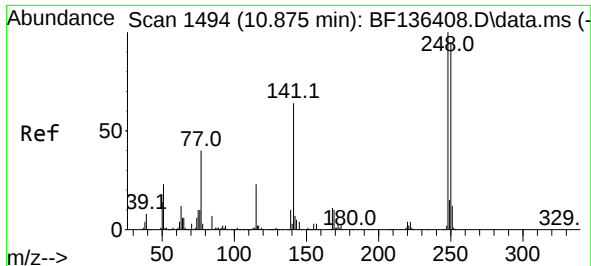


#66  
n-Nitrosodiphenylamine  
Concen: 48.408 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



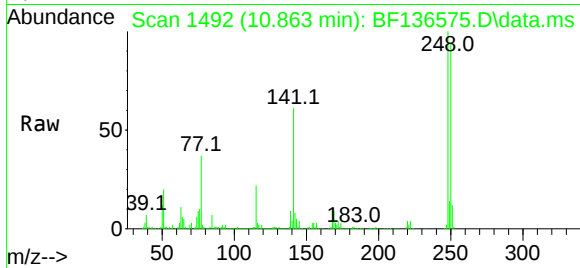
Tgt Ion:169 Resp: 455564  
Ion Ratio Lower Upper  
169 100  
168 70.9 55.3 82.9  
167 37.4 30.1 45.1





#67  
4-Bromophenyl-phenylether  
Concen: 46.548 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

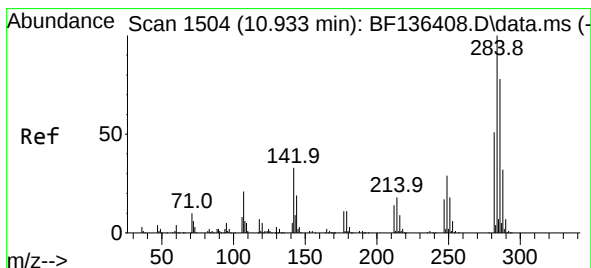
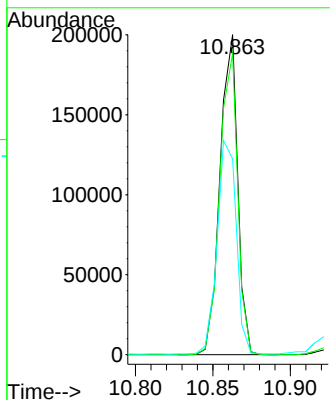
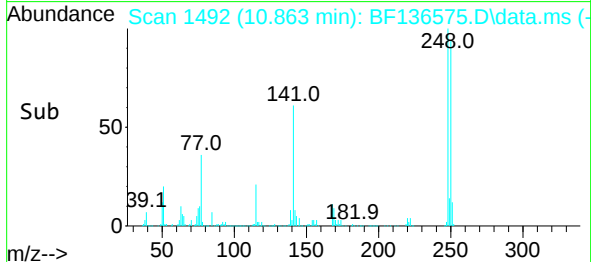
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



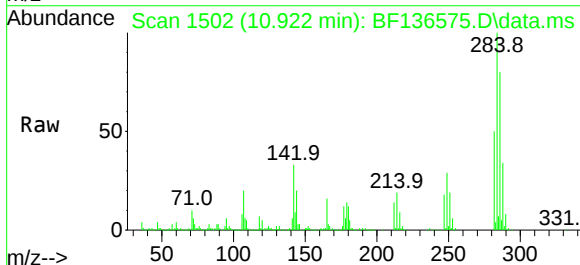
Tgt Ion:248 Resp: 158720  
Ion Ratio Lower Upper  
248 100  
250 94.1 76.2 114.2  
141 61.3 51.0 76.4

Manual Integrations  
APPROVED

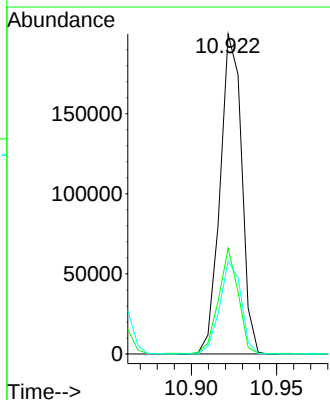
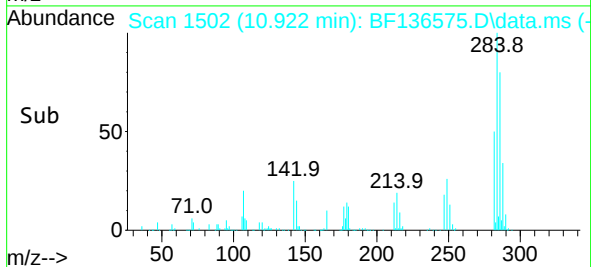
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

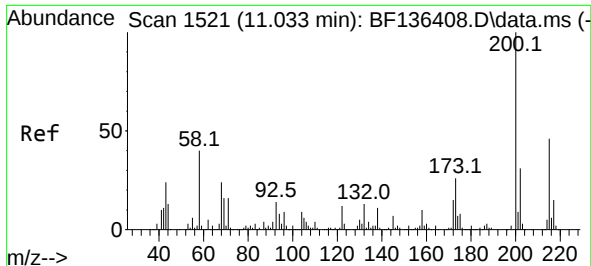


#68  
Hexachlorobenzene  
Concen: 44.442 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



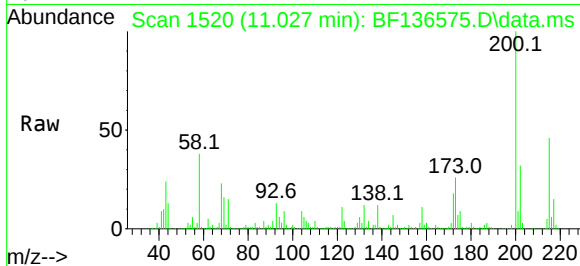
Tgt Ion:284 Resp: 175151  
Ion Ratio Lower Upper  
284 100  
142 33.0 26.5 39.7  
249 29.0 23.4 35.0





#69  
 Atrazine  
 Concen: 55.162 ng  
 RT: 11.027 min Scan# 11027  
 Delta R.T. 0.006 min  
 Lab File: BF136575.D  
 Acq: 14 Dec 2023 18:48

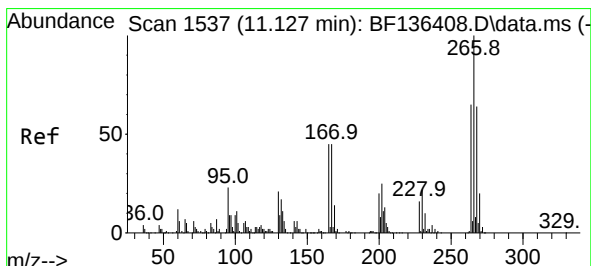
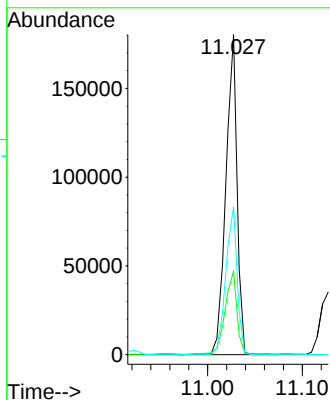
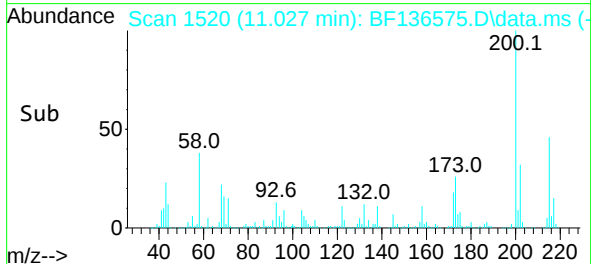
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-06IMS



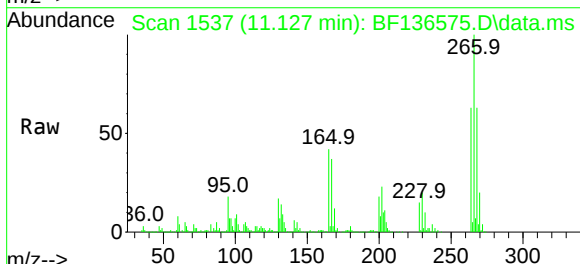
Tgt Ion:200 Resp: 148160  
 Ion Ratio Lower Upper  
 200 100  
 173 26.0 6.0 46.0  
 215 46.2 25.5 65.5

Manual Integrations  
 APPROVED

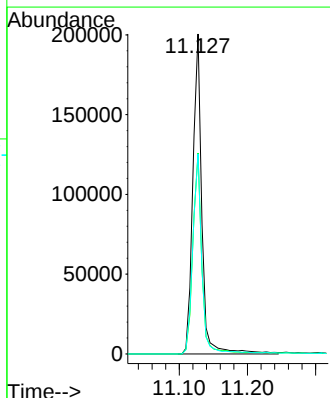
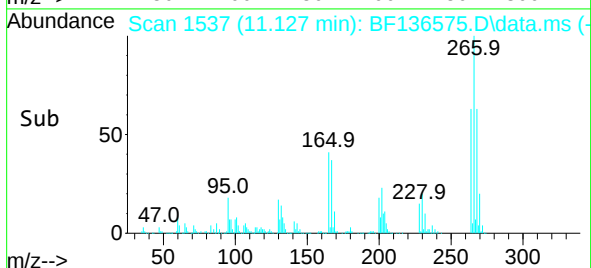
Reviewed By :Yogesh Patel 12/15/2023  
 Supervised By :mohammad ahmed 12/15/2023

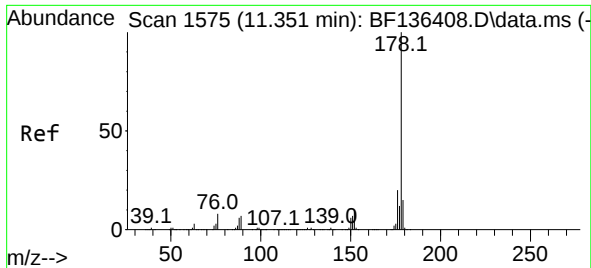


#70  
 Pentachlorophenol  
 Concen: 82.723 ng  
 RT: 11.127 min Scan# 1537  
 Delta R.T. 0.006 min  
 Lab File: BF136575.D  
 Acq: 14 Dec 2023 18:48



Tgt Ion:266 Resp: 183999  
 Ion Ratio Lower Upper  
 266 100  
 268 62.8 51.0 76.6  
 264 62.5 52.2 78.4





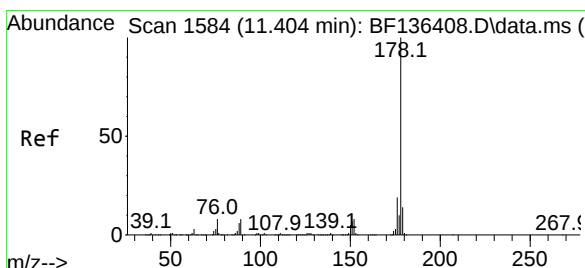
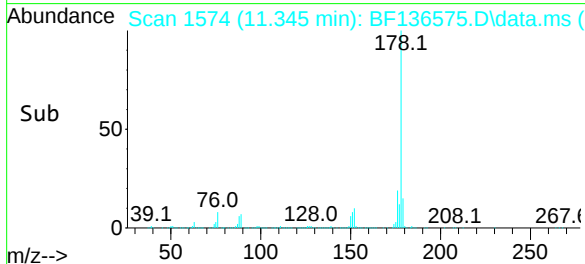
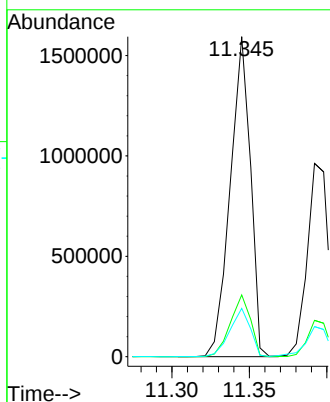
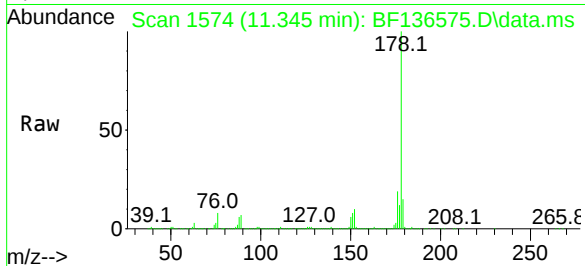
#71  
Phenanthrene  
Concen: 89.680 ng  
RT: 11.345 min Scan# 1575  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS

Tgt Ion:178 Resp: 1445660  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.9 23.9  
179 15.1 11.8 17.6

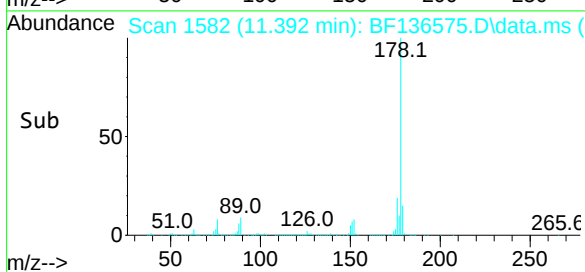
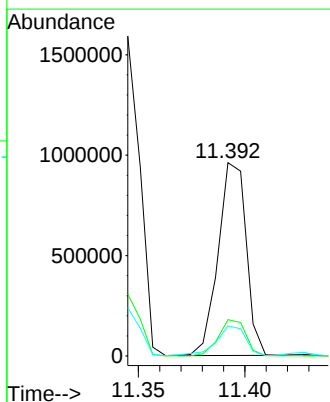
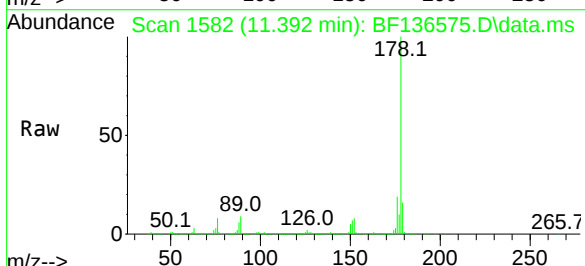
Manual Integrations  
APPROVED

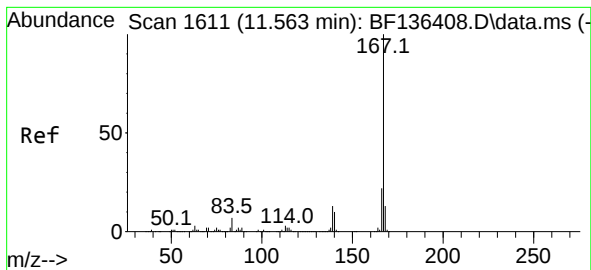
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#72  
Anthracene  
Concen: 54.154 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Tgt Ion:178 Resp: 879282  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.6 11.4 17.0





#73

Carbazole

Concen: 67.454 ng

RT: 11.557 min Scan# 1610

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

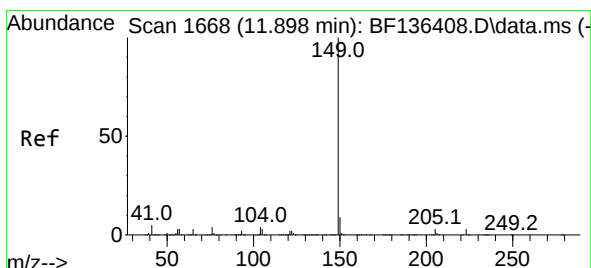
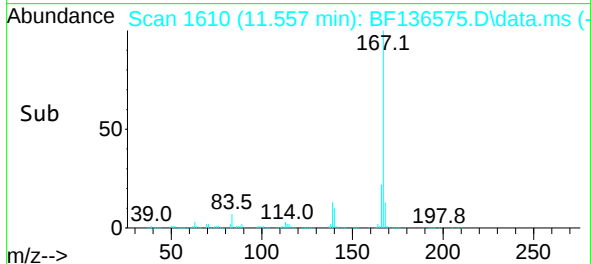
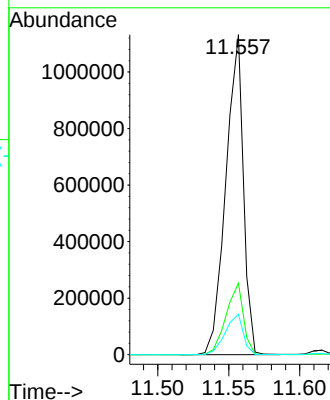
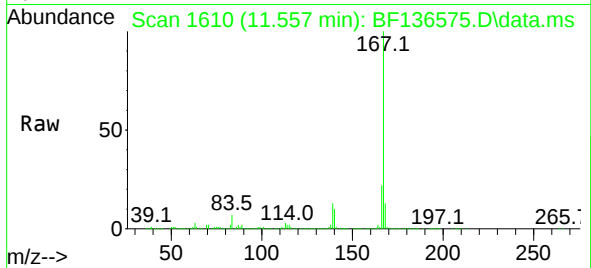
|             |                |
|-------------|----------------|
| Tgt Ion:167 | Resp: 96936    |
| Ion Ratio   | Lower Upper    |
| 167         | 100            |
| 166         | 22.3 18.0 27.0 |
| 139         | 12.7 10.2 15.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#74

Di-n-butylphthalate

Concen: 45.936 ng

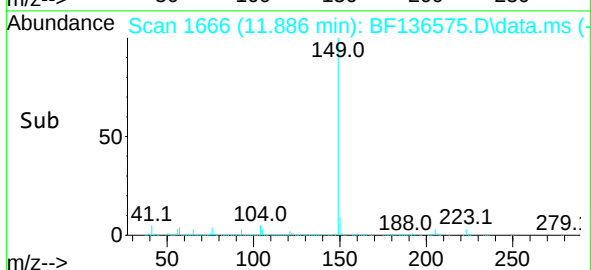
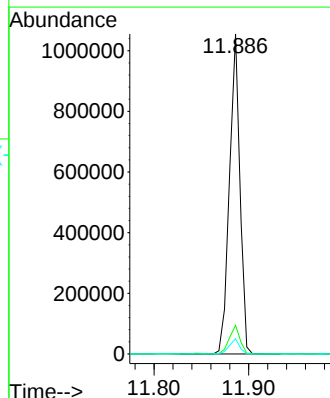
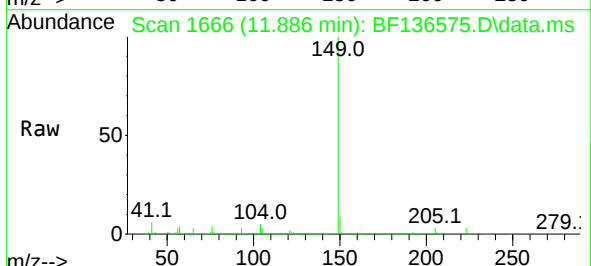
RT: 11.886 min Scan# 1666

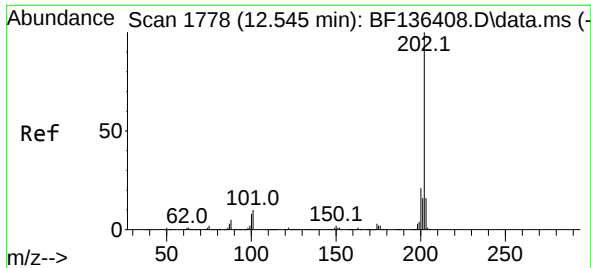
Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

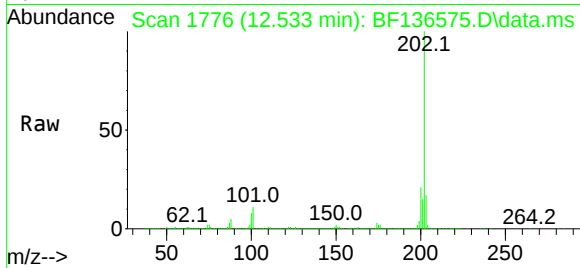
|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 809256 |
| Ion Ratio   | Lower Upper  |
| 149         | 100          |
| 150         | 8.9 6.9 10.3 |
| 104         | 4.8 3.5 5.3  |





#75  
Fluoranthene  
Concen: 48.360 ng  
RT: 12.533 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

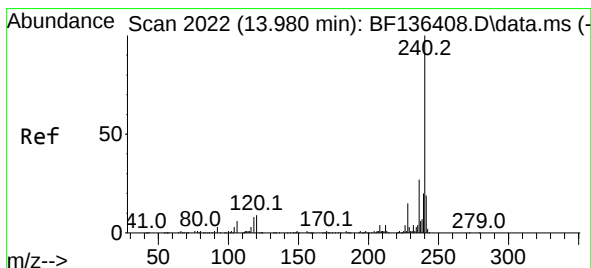
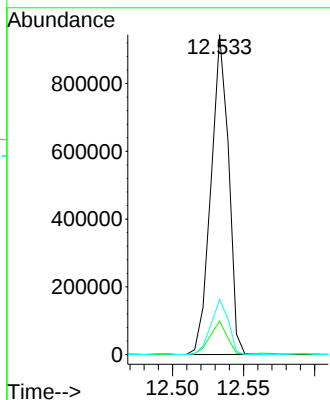
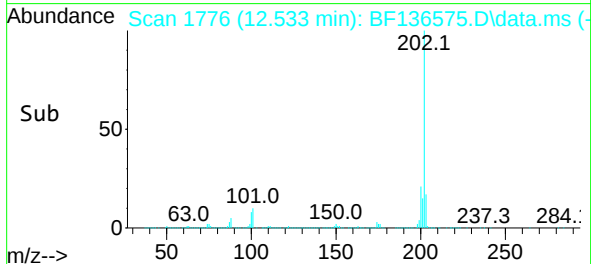
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



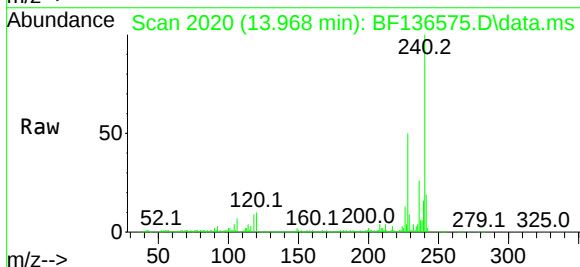
Tgt Ion:202 Resp: 816959  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 29.9  
203 17.2 0.0 36.3

Manual Integrations  
APPROVED

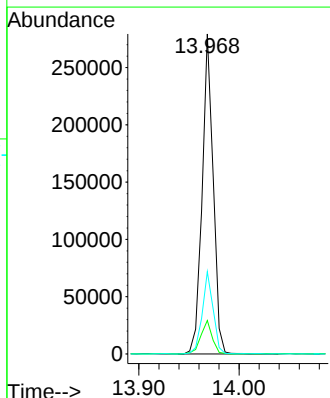
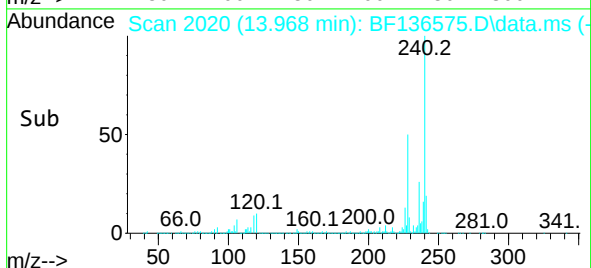
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

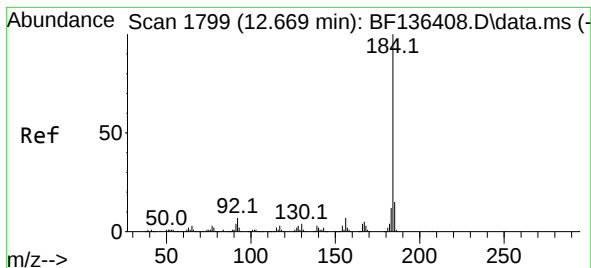


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion:240 Resp: 214952  
Ion Ratio Lower Upper  
240 100  
120 10.5 7.3 10.9  
236 25.7 21.3 31.9





#77

Benzidine

Concen: 29.154 ng

RT: 12.657 min Scan# 117429

Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:184 Resp: 117429

Ion Ratio Lower Upper

184 100

185 15.8 12.0 18.0

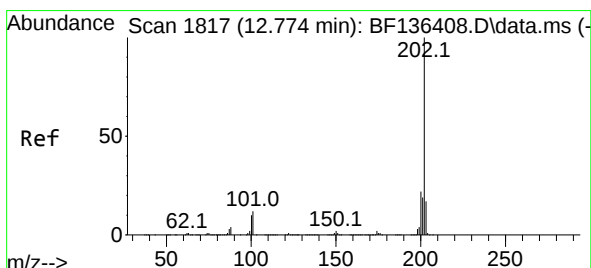
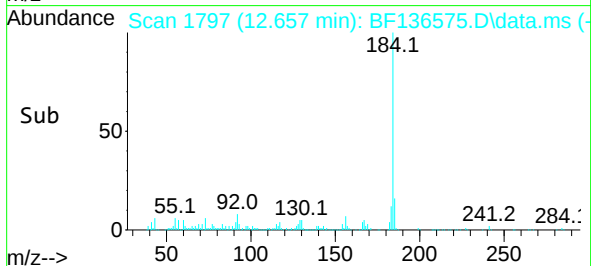
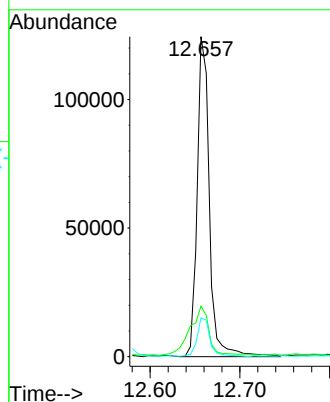
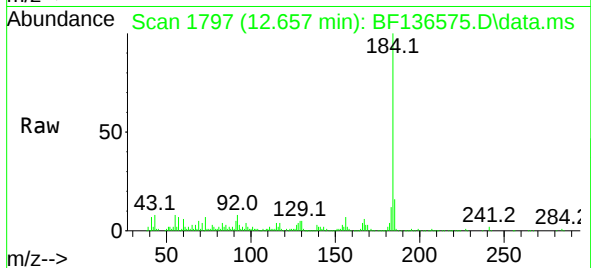
183 12.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#78

Pyrene

Concen: 40.588 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

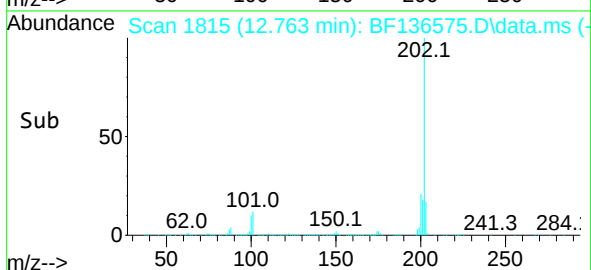
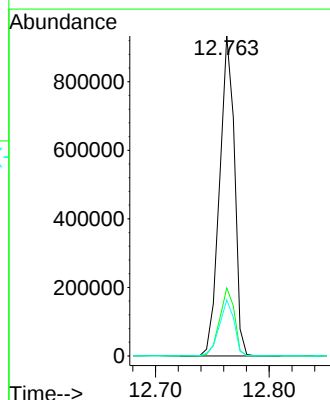
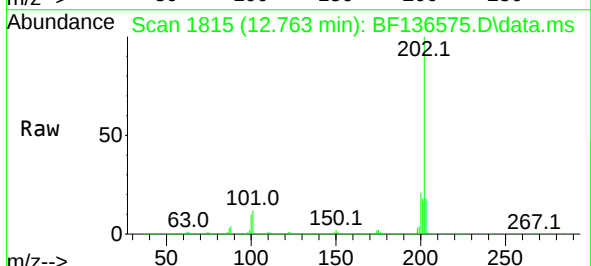
Tgt Ion:202 Resp: 854433

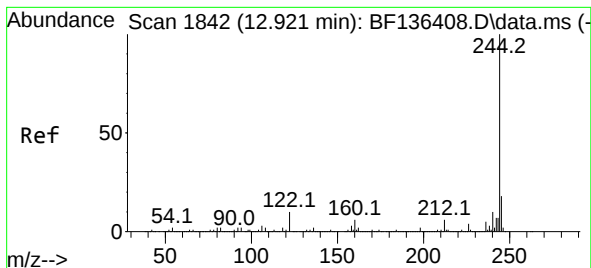
Ion Ratio Lower Upper

202 100

200 21.2 18.0 27.0

203 17.5 13.5 20.3





#79

Terphenyl-d14

Concen: 68.140 ng

RT: 12.910 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136575.D

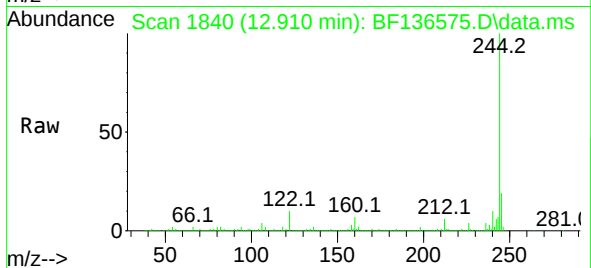
Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS



Tgt Ion:244 Resp: 111124

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

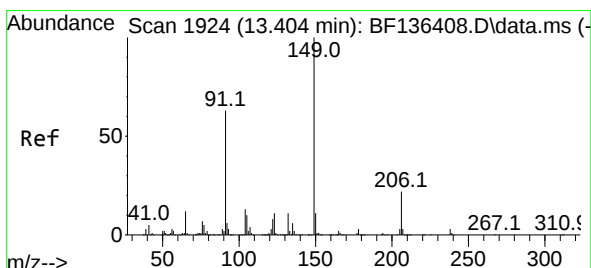
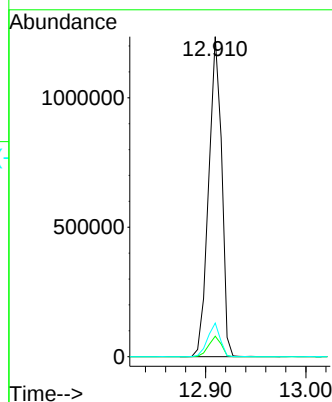
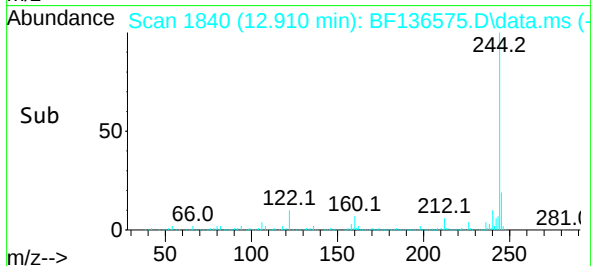
122 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#80

Butylbenzylphthalate

Concen: 42.214 ng

RT: 13.392 min Scan# 1922

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

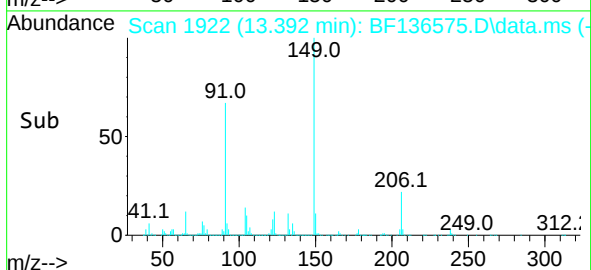
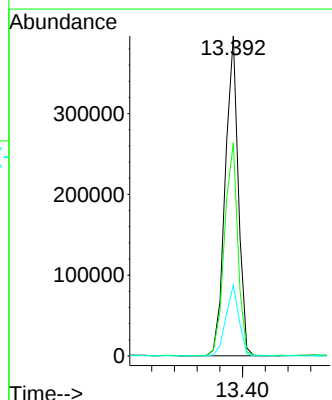
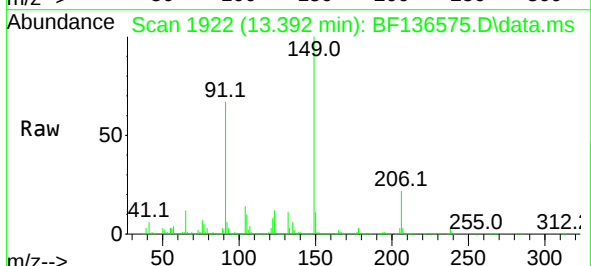
Tgt Ion:149 Resp: 316352

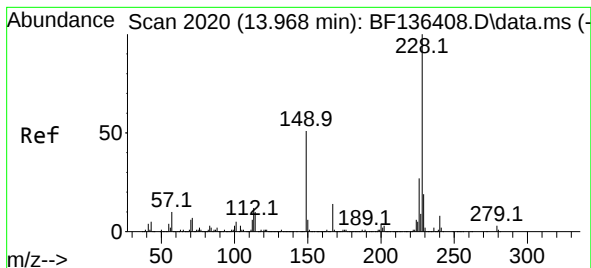
Ion Ratio Lower Upper

149 100

91 66.7 50.5 75.7

206 22.2 17.4 26.2





#81

Benzo(a)anthracene

Concen: 45.785 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

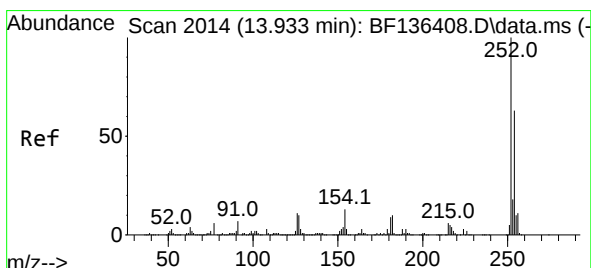
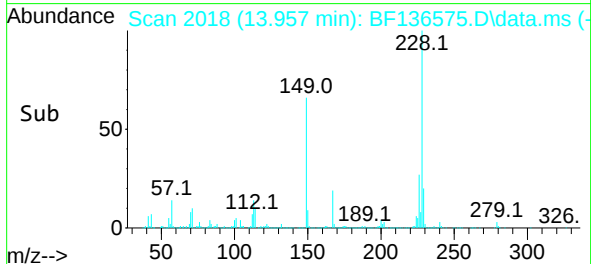
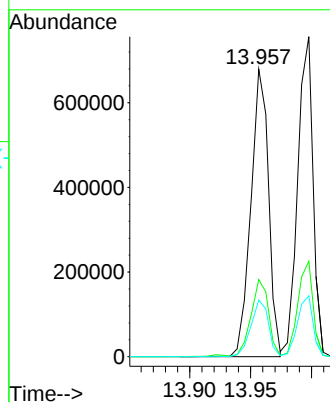
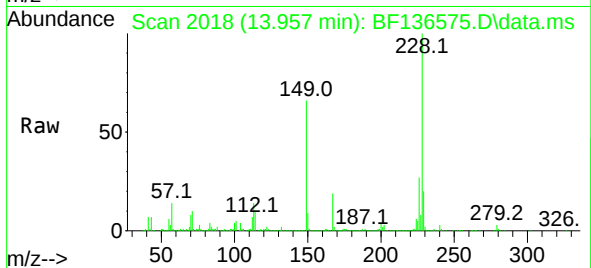
Tgt Ion:228 Resp: 685524  
 Ion Ratio Lower Upper  
 228 100  
 226 26.9 21.8 32.8  
 229 19.7 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#82

3,3'-Dichlorobenzidine

Concen: 45.148 ng

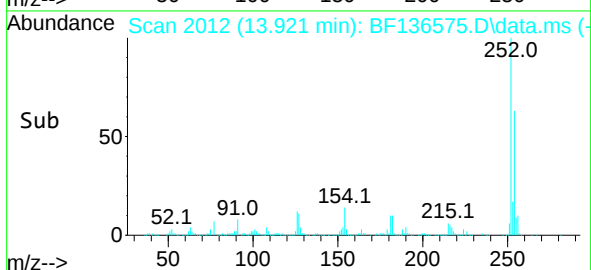
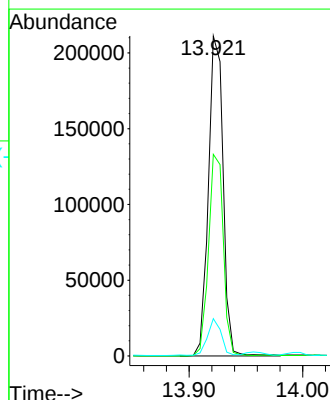
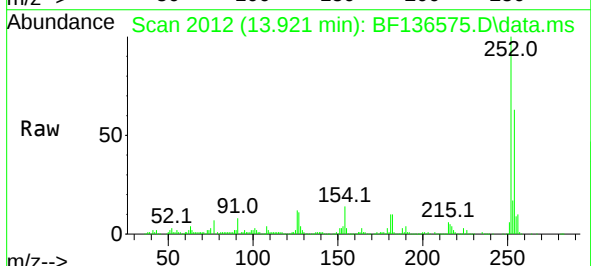
RT: 13.921 min Scan# 2012

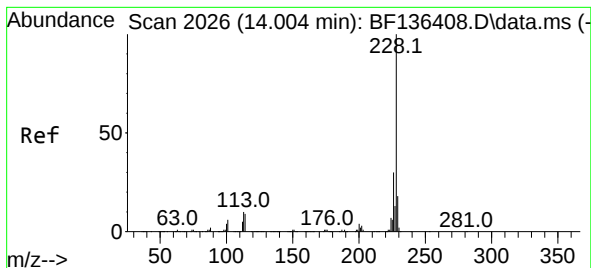
Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Tgt Ion:252 Resp: 189533  
 Ion Ratio Lower Upper  
 252 100  
 254 63.0 50.8 76.2  
 126 11.6 8.6 12.8





#83

Chrysene

Concen: 44.819 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

MW-06IMS

Tgt Ion:228 Resp: 66024

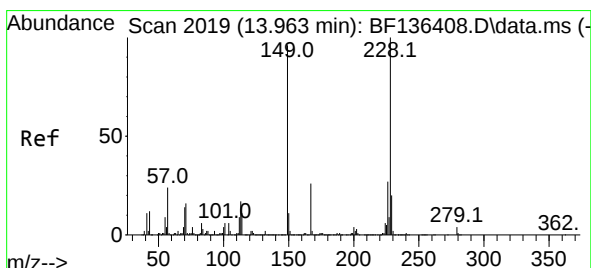
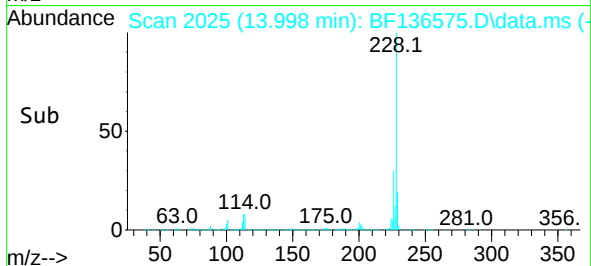
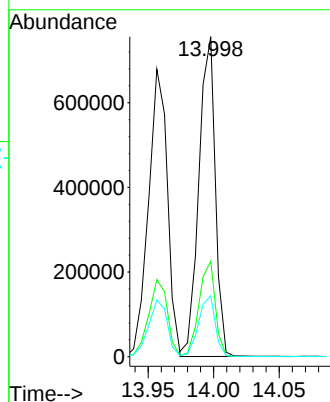
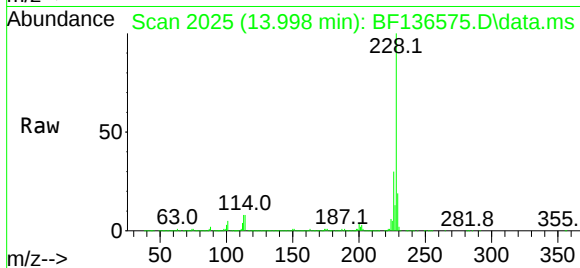
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.8  | 23.8  | 35.6  |
| 229 | 19.0  | 14.8  | 22.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/15/2023

Supervised By :mohammad ahmed 12/15/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.139 ng

RT: 13.951 min Scan# 2017

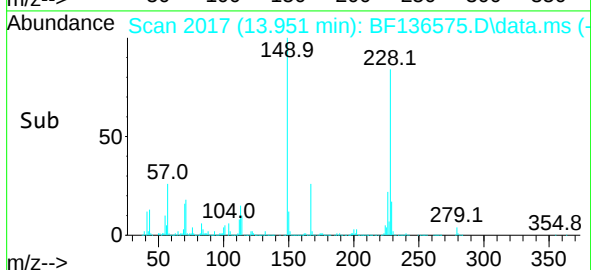
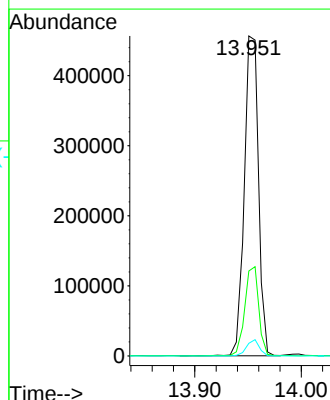
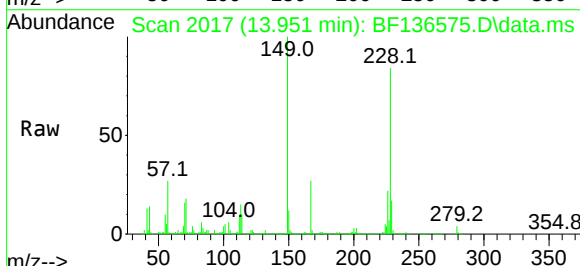
Delta R.T. -0.000 min

Lab File: BF136575.D

Acq: 14 Dec 2023 18:48

Tgt Ion:149 Resp: 423873

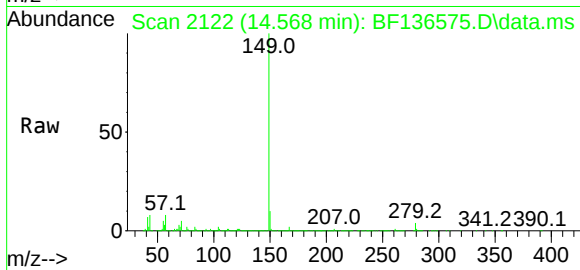
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.6  | 21.2  | 31.8  |
| 279 | 3.9   | 3.1   | 4.7   |





#85  
Di-n-octyl phthalate  
Concen: 54.131 ng  
RT: 14.568 min Scan# 2124  
Delta R.T. -0.000 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

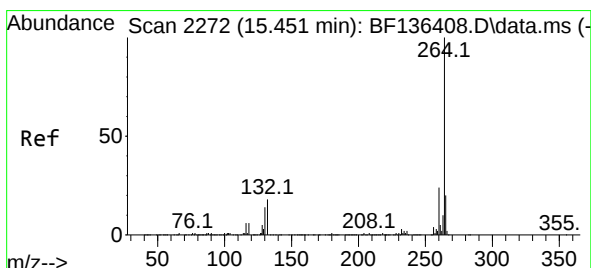
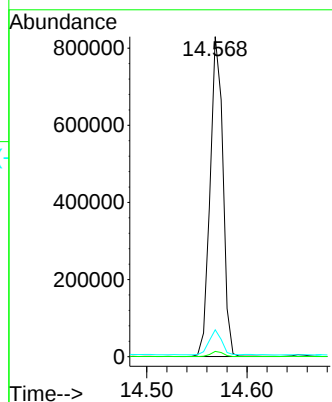
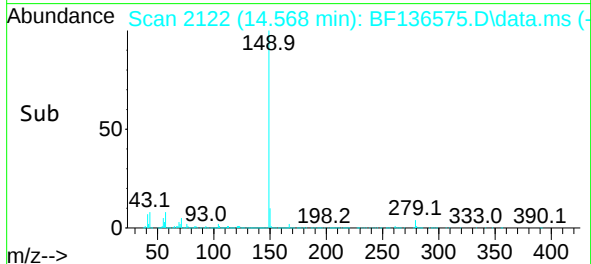
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



Tgt Ion:149 Resp: 73455  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.6 6.8 10.2

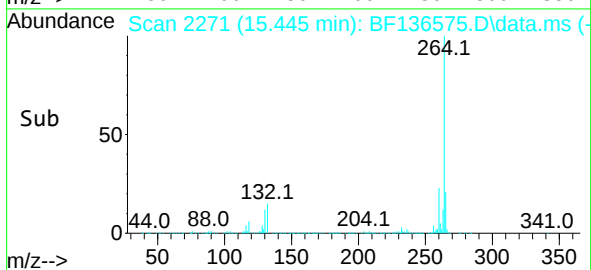
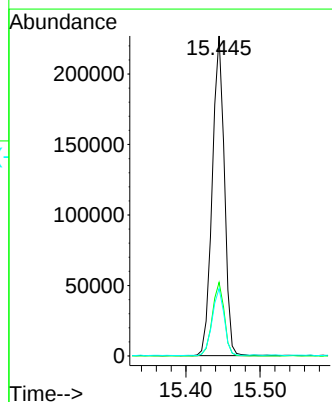
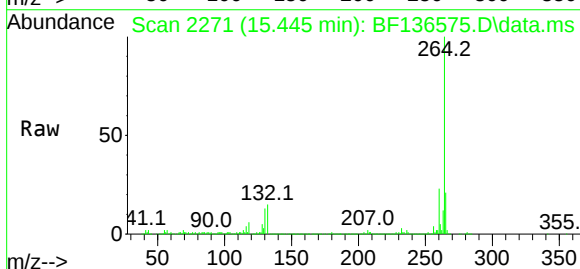
Manual Integrations  
APPROVED

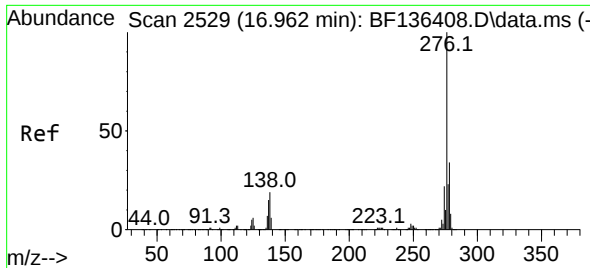
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

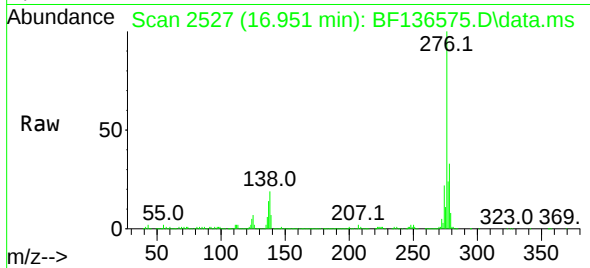
Tgt Ion:264 Resp: 256685  
Ion Ratio Lower Upper  
264 100  
260 23.0 19.2 28.8  
265 21.0 15.9 23.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.093 ng  
RT: 16.951 min Scan# 2195  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

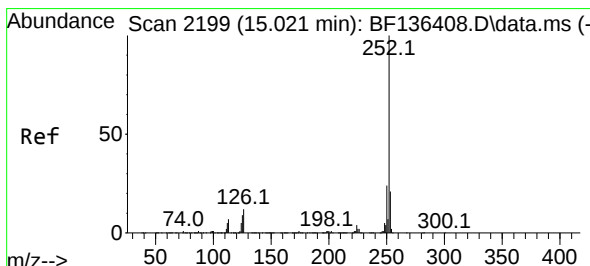
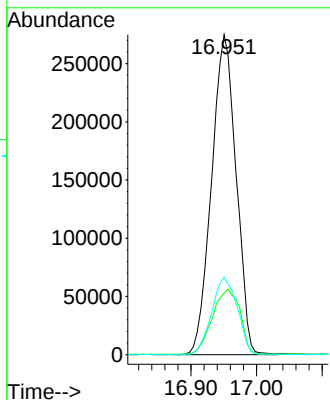
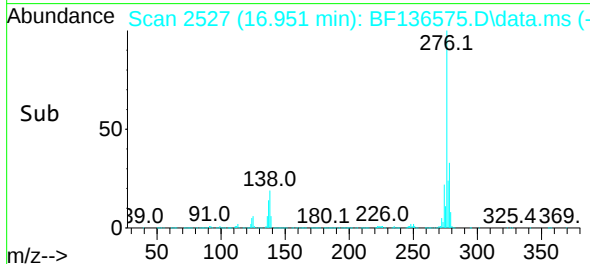
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



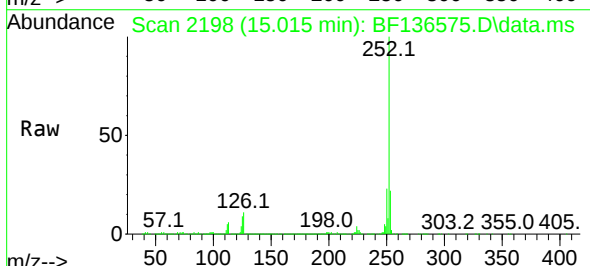
Tgt Ion:276 Resp: 71495  
Ion Ratio Lower Upper  
276 100  
138 22.8 19.0 28.4  
277 25.4 20.0 30.0

Manual Integrations  
APPROVED

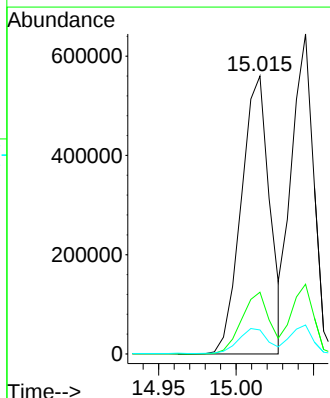
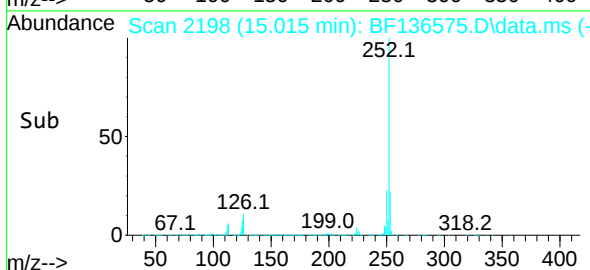
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

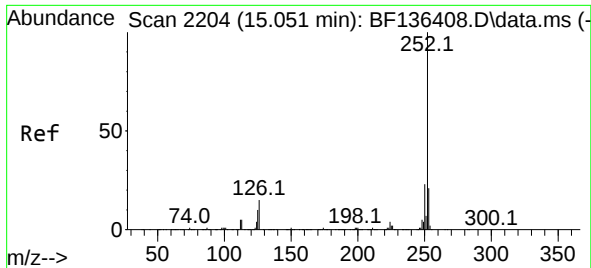


#88  
Benzo(b)fluoranthene  
Concen: 40.751 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



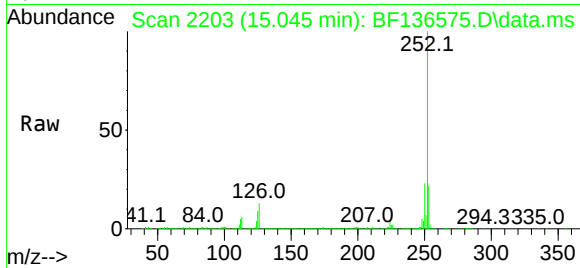
Tgt Ion:252 Resp: 715197  
Ion Ratio Lower Upper  
252 100  
253 22.2 16.9 25.3  
125 8.6 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 38.746 ng  
RT: 15.045 min Scan# 2204  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

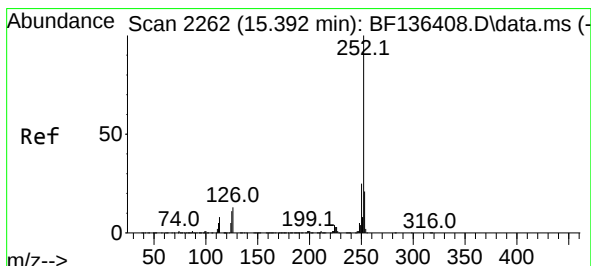
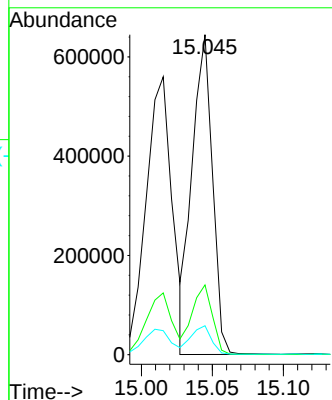
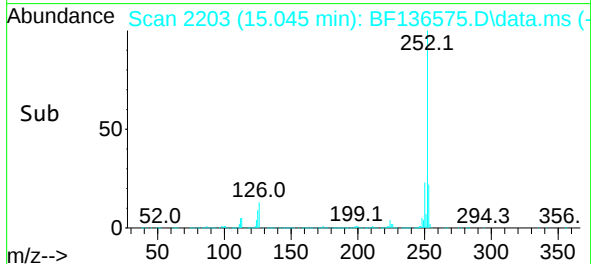
Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS



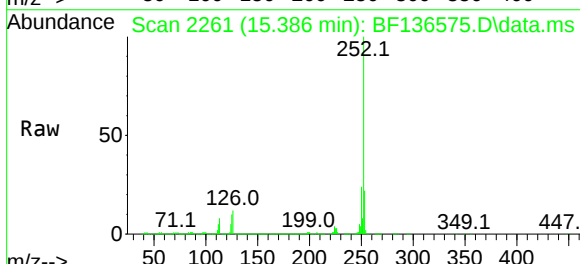
Tgt Ion:252 Resp: 640849  
Ion Ratio Lower Upper  
252 100  
253 21.8 16.9 25.3  
125 9.1 7.5 11.3

Manual Integrations  
APPROVED

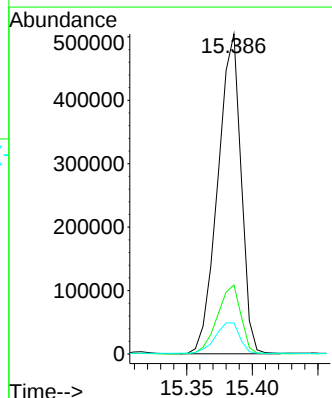
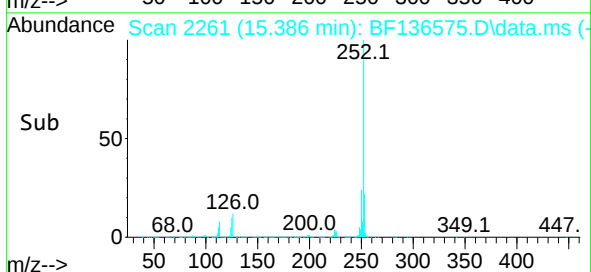
Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023

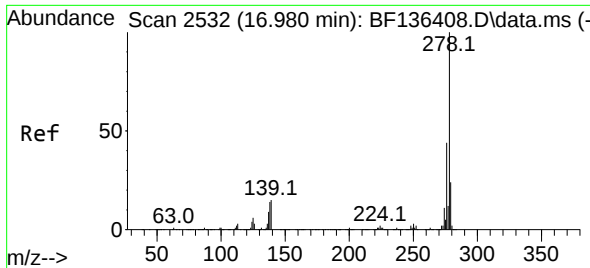


#90  
Benzo(a)pyrene  
Concen: 42.831 ng  
RT: 15.386 min Scan# 2261  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48



Tgt Ion:252 Resp: 620785  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.0 25.4  
125 9.7 8.6 13.0





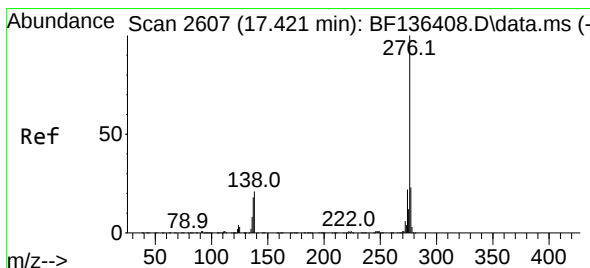
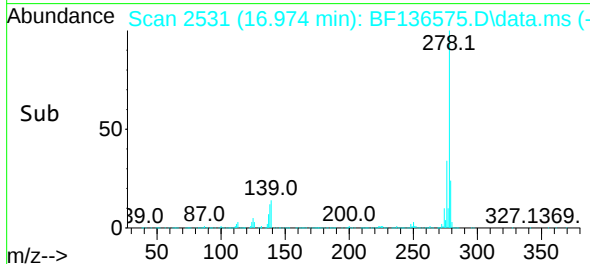
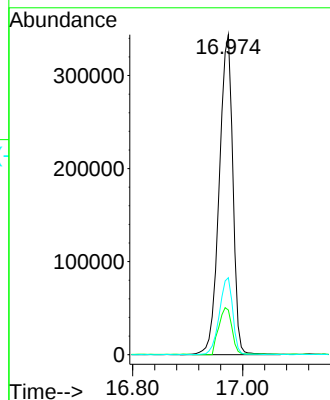
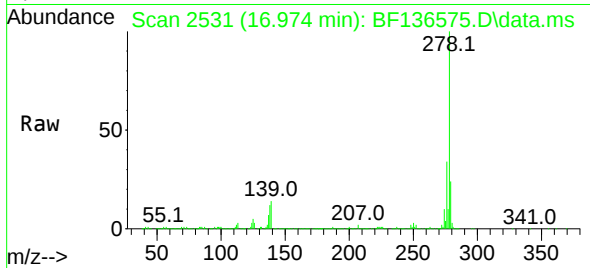
#91  
Dibenzo(a,h)anthracene  
Concen: 40.471 ng  
RT: 16.974 min Scan# 2531  
Delta R.T. 0.012 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
MW-06IMS

Tgt Ion:278 Resp: 591239  
Ion Ratio Lower Upper  
278 100  
139 13.9 12.2 18.4  
279 24.0 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/15/2023  
Supervised By :mohammad ahmed 12/15/2023



#92  
Benzo(g,h,i)perylene  
Concen: 36.437 ng  
RT: 17.409 min Scan# 2605  
Delta R.T. 0.006 min  
Lab File: BF136575.D  
Acq: 14 Dec 2023 18:48

Tgt Ion:276 Resp: 546364  
Ion Ratio Lower Upper  
276 100  
277 22.7 18.7 28.1  
138 20.3 16.6 25.0

