

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
 Data File : BF136938.D  
 Acq On : 04 Jan 2024 13:35  
 Operator : CG\JU  
 Sample : PB158204BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158204BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 14:06:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 82525    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 321859   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 168380   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 337178   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 178690   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.457 | 264  | 151058   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 589416   | 111.440 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 743198   | 108.442 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 456101   | 72.514  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 232312   | 117.149 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 928392   | 74.158  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.910 | 244  | 1052833  | 82.338  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.640  | 88   | 74241    | 33.688  | ng    | 97       |
| 3) Pyridine                   | 3.410  | 79   | 172395   | 32.062  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 103941   | 36.199  | ng    | 100      |
| 6) Aniline                    | 6.457  | 93   | 228500   | 33.348  | ng    | # 14     |
| 8) 2-Chlorophenol             | 6.581  | 128  | 229213   | 39.601  | ng    | 94       |
| 9) Benzaldehyde               | 6.339  | 77   | 95698    | 24.549  | ng    | 96       |
| 10) Phenol                    | 6.457  | 94   | 274493   | 37.519  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 214854   | 38.617  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 233791   | 37.027  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 238223   | 36.925  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 224427   | 37.384  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 179819   | 38.892  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 335470   | 36.880  | ng    | # 39     |
| 17) 2-Methylphenol            | 7.051  | 107  | 186619   | 38.920  | ng    | 93       |
| 18) Hexachloroethane          | 7.286  | 117  | 85762    | 36.603  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 156857   | 37.756  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 237250   | 39.605  | ng    | # 53     |
| 22) Acetophenone              | 7.198  | 105  | 315789   | 39.144  | ng    | # 90     |
| 24) Nitrobenzene              | 7.369  | 77   | 229528   | 36.428  | ng    | 99       |
| 25) Isophorone                | 7.610  | 82   | 433722   | 37.896  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 122258   | 40.556  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 205532   | 56.002  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 268408   | 38.582  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.933  | 162  | 188445   | 39.883  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 197757   | 37.565  | ng    | 97       |
| 31) Naphthalene               | 8.086  | 128  | 666719   | 37.706  | ng    | 100      |
| 32) Benzoic acid              | 7.881  | 122  | 144076   | 40.573  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 139467   | 21.363  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 115952   | 36.252  | ng    | 99       |
| 35) Caprolactam               | 8.522  | 113  | 66444m   | 42.627  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 208971   | 39.286  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 436610   | 38.368  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 406750   | 36.433  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 205250   | 39.360  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.928  | 237  | 143694   | 86.031  | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 133236   | 39.840  | ng    | 96       |

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 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations  
 APPROVED

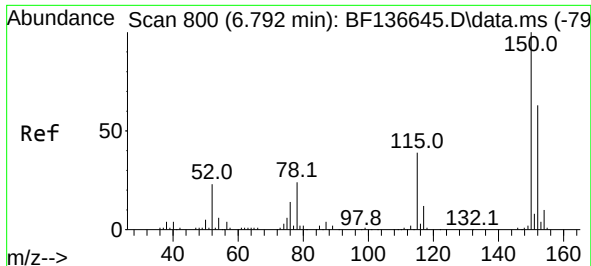
Reviewed By :Yogesh Patel 01/05/2024  
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 14:06:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 146150   | 39.217 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 563698   | 39.895 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 408074   | 37.990 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 134358   | 39.943 | ng    | 98       |
| 49) Acenaphthylene            | 9.686  | 152  | 648631   | 39.506 | ng    | 99       |
| 50) Dimethylphthalate         | 9.551  | 163  | 492871   | 40.074 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 110541   | 39.603 | ng    | 89       |
| 52) Acenaphthene              | 9.857  | 154  | 396779   | 38.986 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 86856    | 29.375 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 102214   | 66.724 | ng    | 92       |
| 55) Dibenzofuran              | 10.027 | 168  | 597240   | 38.712 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.975  | 139  | 133320   | 66.793 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 138301   | 38.167 | ng    | # 91     |
| 58) Fluorene                  | 10.374 | 166  | 484441   | 39.575 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 120772   | 42.099 | ng    | 98       |
| 60) Diethylphthalate          | 10.251 | 149  | 505124   | 39.584 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 232261   | 39.035 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.410 | 138  | 109662   | 38.472 | ng    | 95       |
| 63) Azobenzene                | 10.527 | 77   | 460743   | 38.657 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 77182    | 39.942 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 431928   | 39.434 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 145280   | 38.797 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 163841   | 39.262 | ng    | 97       |
| 69) Atrazine                  | 11.027 | 200  | 204118   | 72.861 | ng    | 97       |
| 70) Pentachlorophenol         | 11.127 | 266  | 125964   | 64.760 | ng    | 99       |
| 71) Phenanthrene              | 11.345 | 178  | 715407   | 41.351 | ng    | 100      |
| 72) Anthracene                | 11.392 | 178  | 706176   | 40.304 | ng    | 99       |
| 73) Carbazole                 | 11.557 | 167  | 658695   | 39.874 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 829271   | 41.140 | ng    | 100      |
| 75) Fluoranthene              | 12.533 | 202  | 720561   | 38.937 | ng    | 97       |
| 77) Benzidine                 | 12.663 | 184  | 159842   | 30.337 | ng    | 100      |
| 78) Pyrene                    | 12.768 | 202  | 724371   | 41.295 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 291614   | 45.687 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.962 | 228  | 506486   | 40.819 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 136132   | 38.632 | ng    | 99       |
| 83) Chrysene                  | 13.998 | 228  | 476050   | 39.233 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 400530   | 49.874 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.562 | 149  | 578537   | 46.572 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 479019   | 43.920 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 407618   | 40.401 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 397873   | 41.734 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 353523   | 41.511 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 399071   | 44.600 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 399900   | 43.636 | ng    | 100      |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.786 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

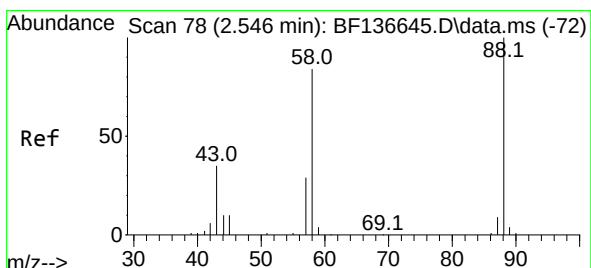
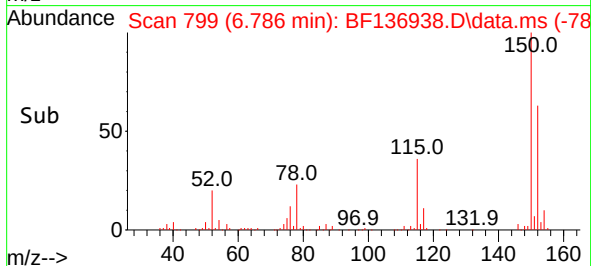
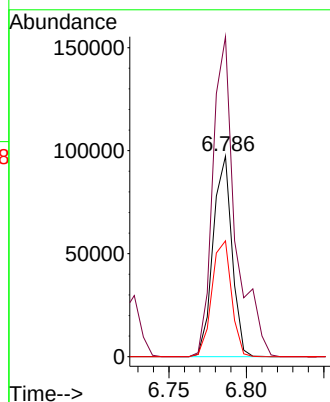
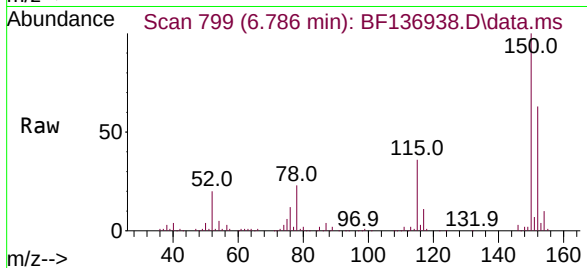
PB158204BS

Tgt Ion:152 Resp: 8252  
Ion Ratio Lower Upper  
152 100  
150 159.6 127.0 190.6  
115 57.8 49.0 73.4

Manual Integrations

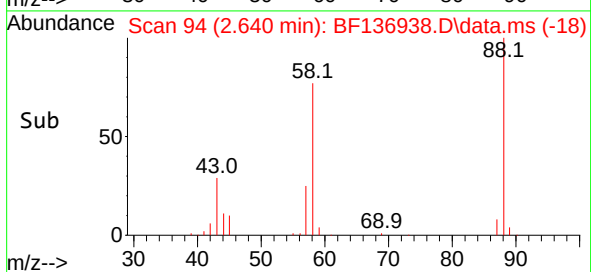
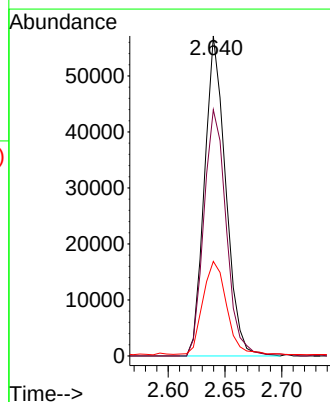
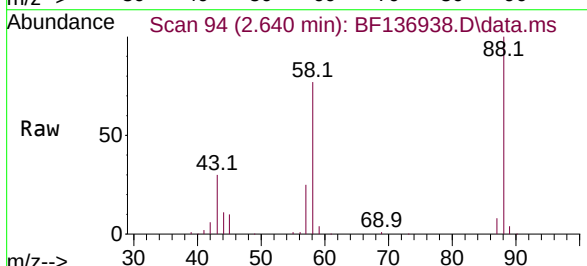
APPROVED

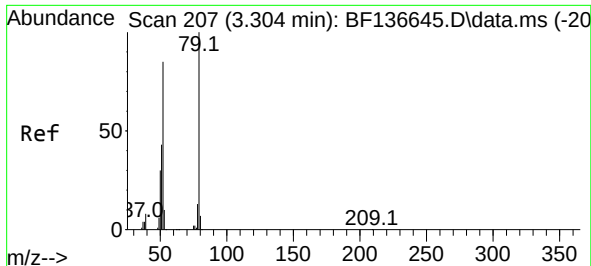
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#2  
1,4-Dioxane  
Concen: 33.688 ng  
RT: 2.640 min Scan# 94  
Delta R.T. 0.094 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

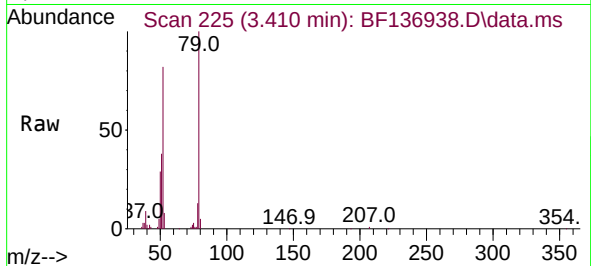
Tgt Ion: 88 Resp: 74241  
Ion Ratio Lower Upper  
88 100  
58 81.3 67.4 101.0  
43 32.9 27.7 41.5





#3  
Pyridine  
Concen: 32.062 ng  
RT: 3.410 min Scan# 219  
Delta R.T. 0.106 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

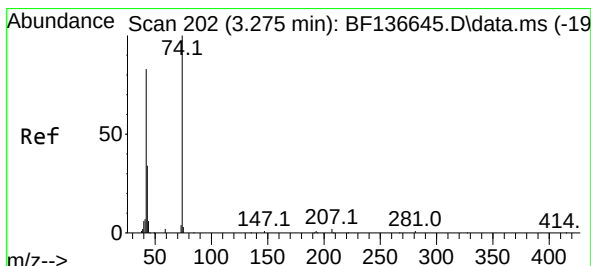
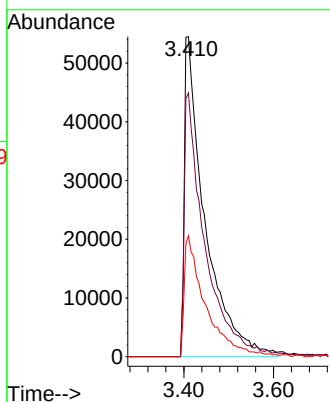
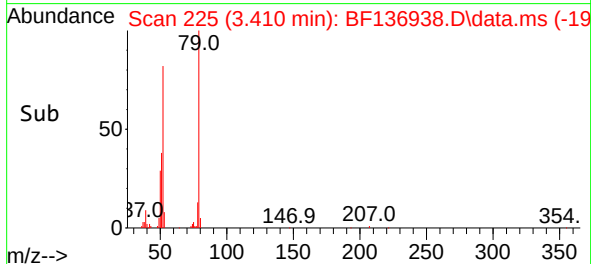
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



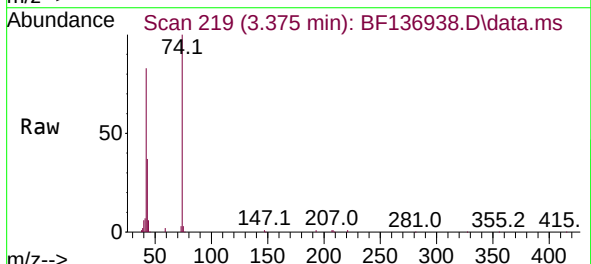
Tgt Ion: 79 Resp: 17239  
Ion Ratio Lower Upper  
79 100  
52 82.4 67.7 101.5  
51 37.8 34.0 51.0

Manual Integrations  
APPROVED

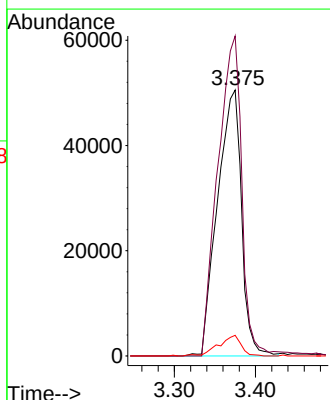
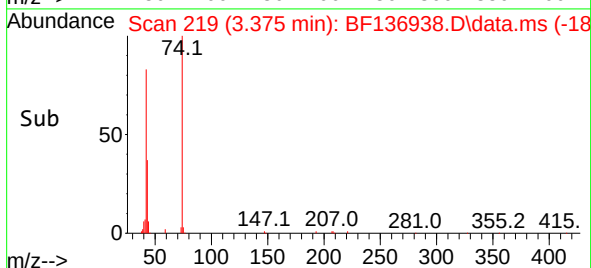
Reviewed By :Yogesh Patel 01/05/2024  
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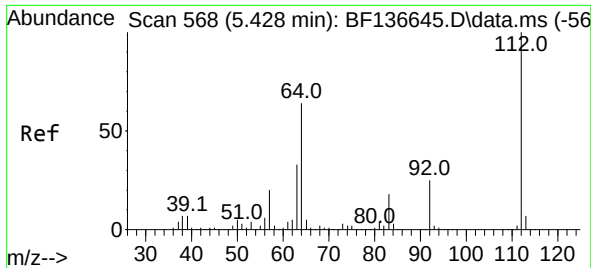


#4  
n-Nitrosodimethylamine  
Concen: 36.199 ng  
RT: 3.375 min Scan# 219  
Delta R.T. 0.100 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion: 42 Resp: 103941  
Ion Ratio Lower Upper  
42 100  
74 120.3 96.0 144.0  
44 7.7 5.4 8.2





#5  
2-Fluorophenol  
Concen: 111.440 ng  
RT: 5.445 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

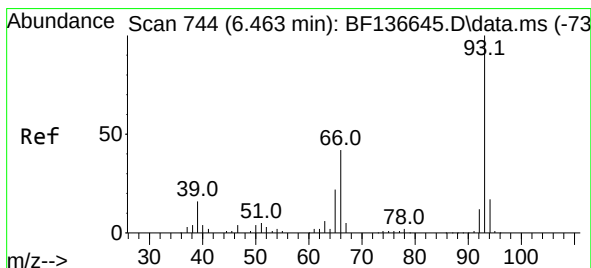
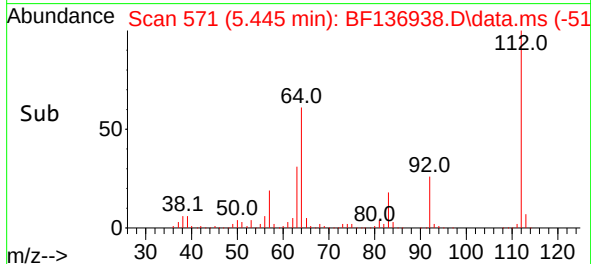
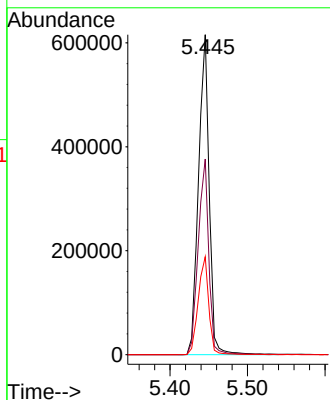
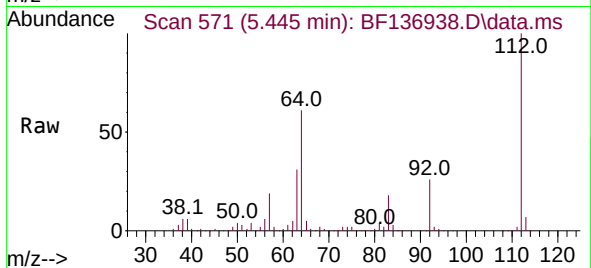
PB158204BS

Tgt Ion:112 Resp: 589410  
Ion Ratio Lower Upper  
112 100  
64 61.2 51.1 76.7  
63 30.6 26.1 39.1

Manual Integrations

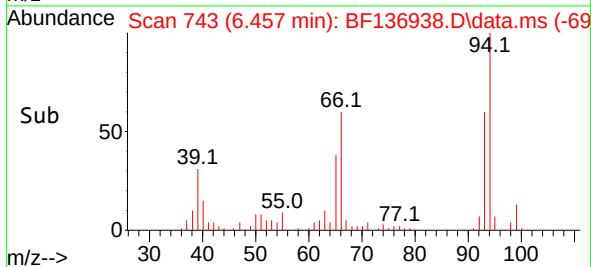
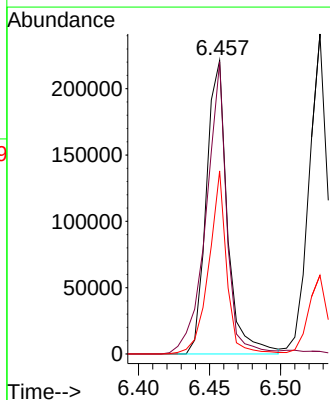
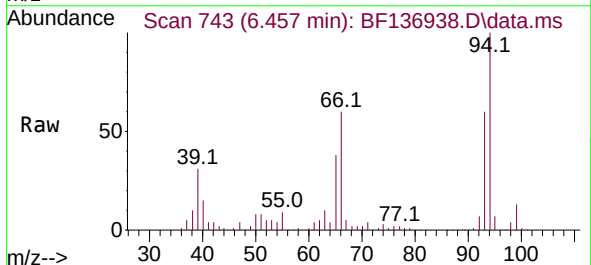
APPROVED

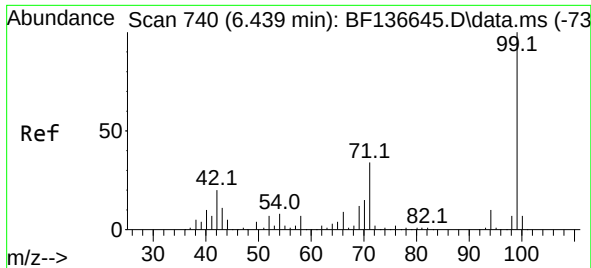
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#6  
Aniline  
Concen: 33.348 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion: 93 Resp: 228500  
Ion Ratio Lower Upper  
93 100  
66 99.5 34.6 51.8#  
65 62.4 17.8 26.8#





#7

Phenol-d6

Concen: 108.442 ng

RT: 6.445 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

Tgt Ion: 99 Resp: 743198

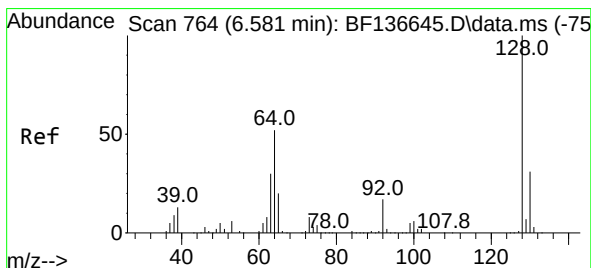
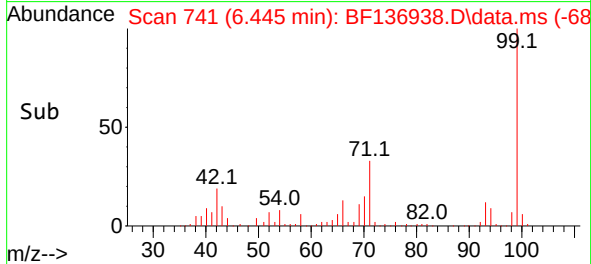
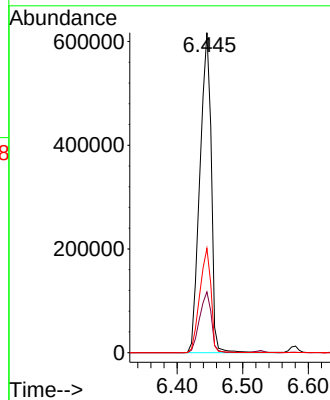
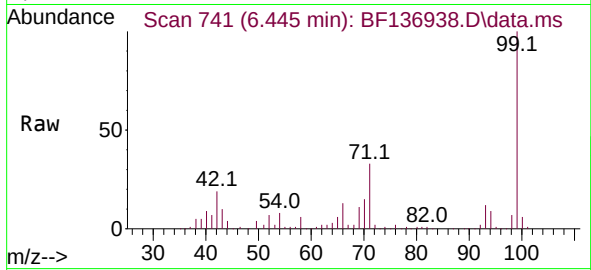
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|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.0  | 16.1  | 24.1  |
| 71  | 32.6  | 27.4  | 41.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#8

2-Chlorophenol

Concen: 39.601 ng

RT: 6.581 min Scan# 764

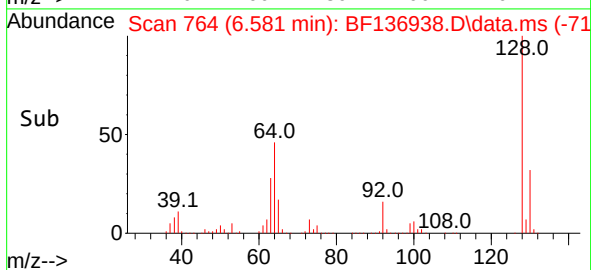
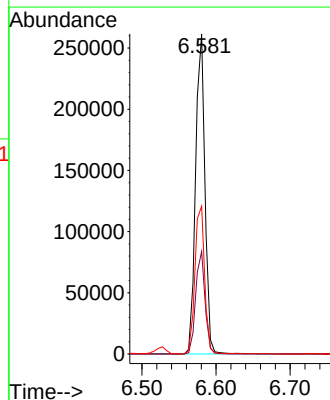
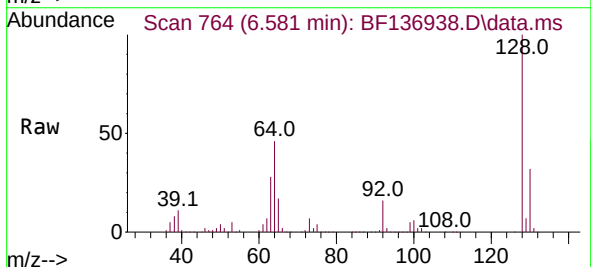
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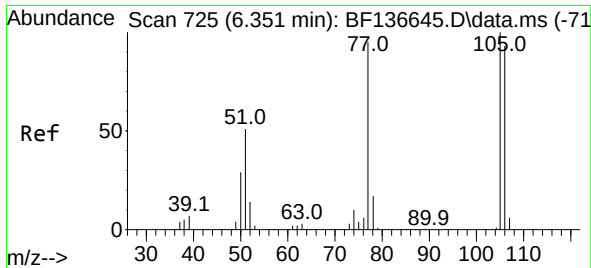
Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Tgt Ion:128 Resp: 229213

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.0  | 11.3  | 51.3  |
| 64  | 46.2  | 32.5  | 72.5  |





#9  
Benzaldehyde  
Concen: 24.549 ng  
RT: 6.339 min Scan# 725  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

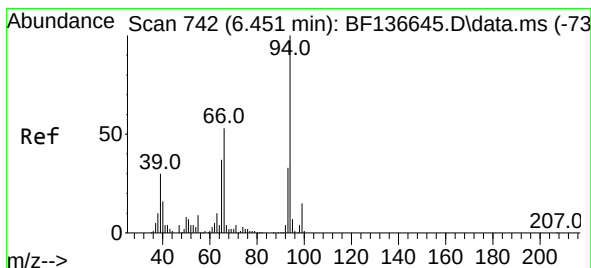
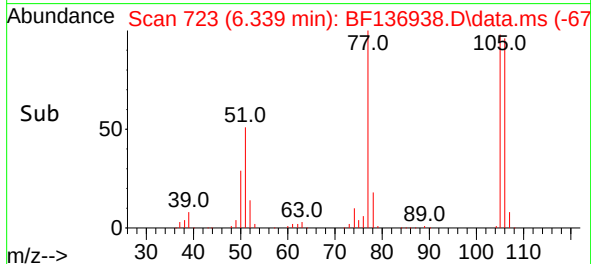
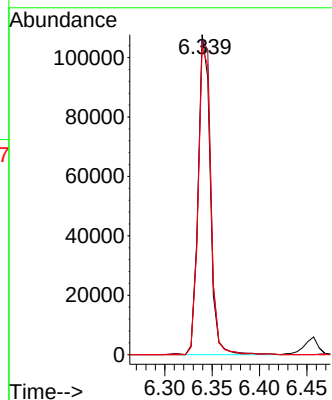
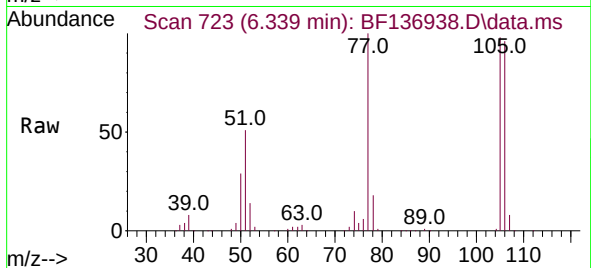
ClientSampleId :

PB158204BS

Tgt Ion: 77 Resp: 95698  
Ion Ratio Lower Upper  
77 100  
105 98.2 84.8 124.8  
106 96.2 77.8 117.8

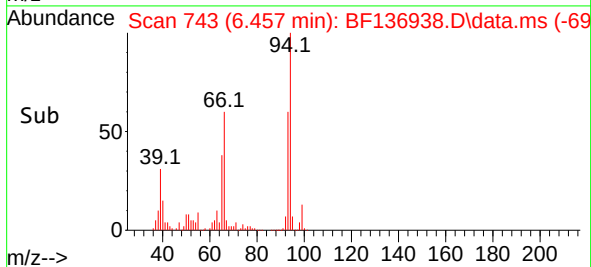
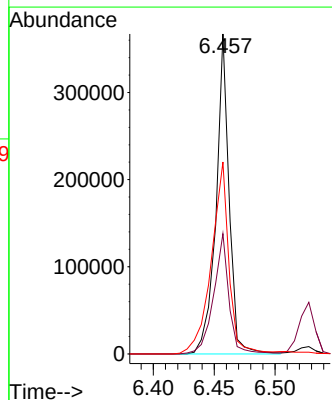
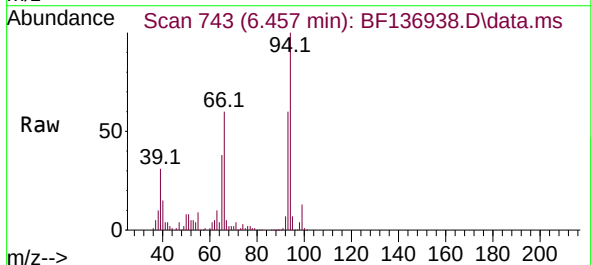
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

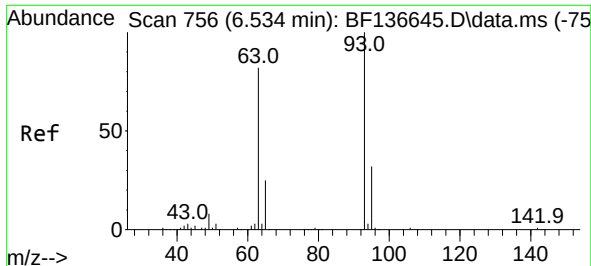


#10  
Phenol  
Concen: 37.519 ng  
RT: 6.457 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion: 94 Resp: 274493  
Ion Ratio Lower Upper  
94 100  
65 37.6 16.6 56.6  
66 60.0 32.6 72.6







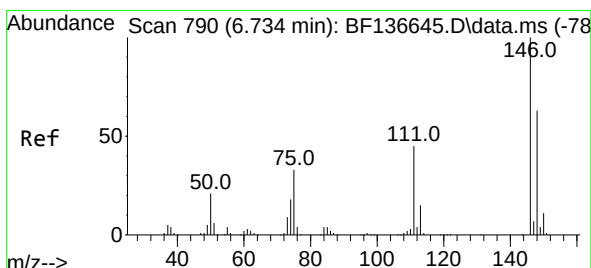
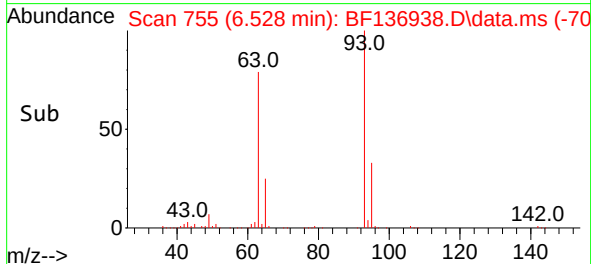
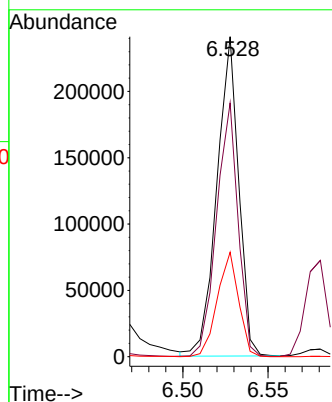
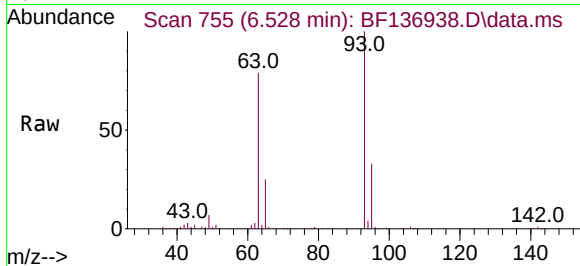
#11  
bis(2-Chloroethyl)ether  
Concen: 38.617 ng  
RT: 6.528 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS

Tgt Ion: 93 Resp: 214854  
Ion Ratio Lower Upper  
93 100  
63 79.3 61.2 101.2  
95 32.7 11.6 51.6

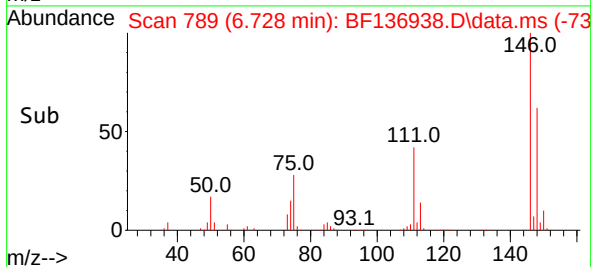
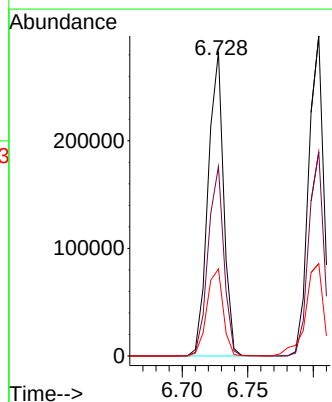
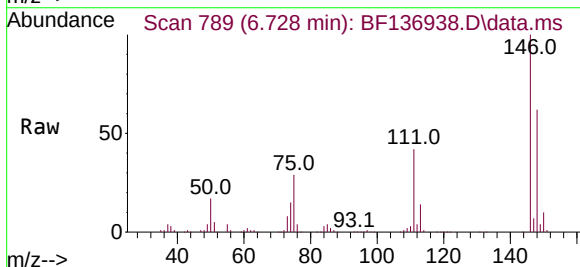
Manual Integrations  
APPROVED

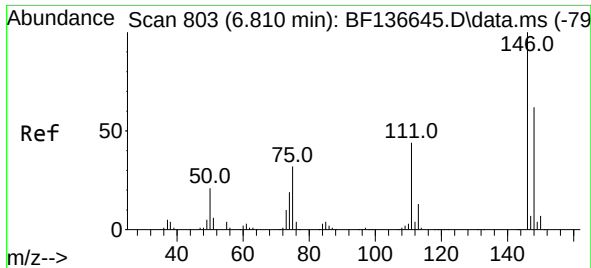
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#12  
1,3-Dichlorobenzene  
Concen: 37.027 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:146 Resp: 233791  
Ion Ratio Lower Upper  
146 100  
148 62.3 50.5 75.7  
75 28.6 26.2 39.4





#13  
1,4-Dichlorobenzene  
Concen: 36.925 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

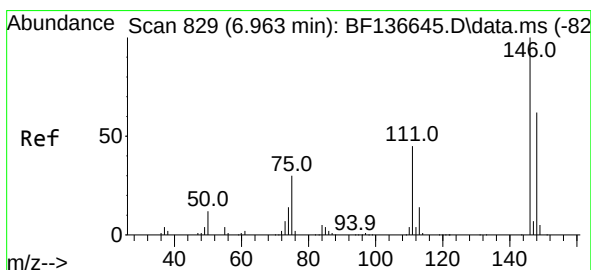
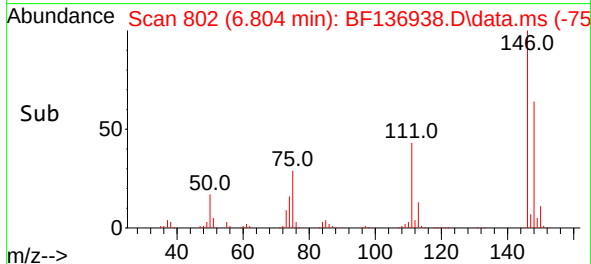
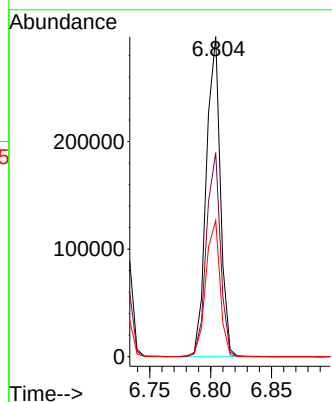
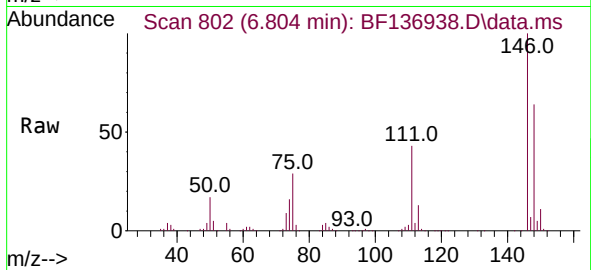
ClientSampleId :

PB158204BS

Tgt Ion:146 Resp: 238223  
Ion Ratio Lower Upper  
146 100  
148 63.8 49.2 73.8  
111 42.6 35.2 52.8

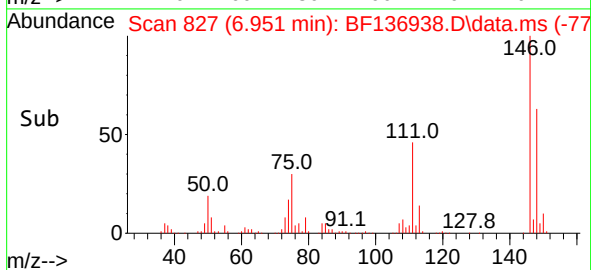
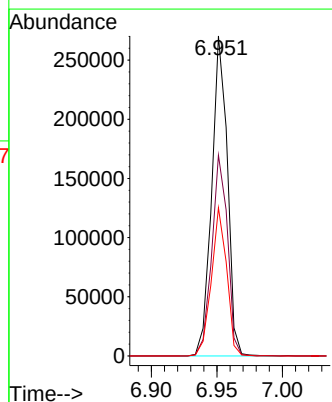
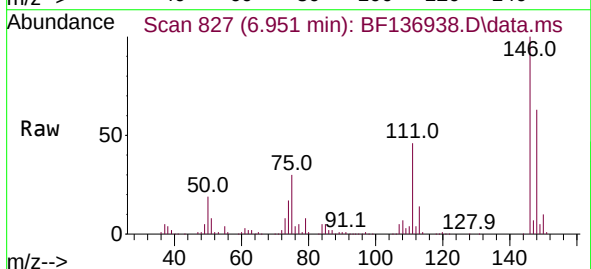
Manual Integrations  
APPROVED

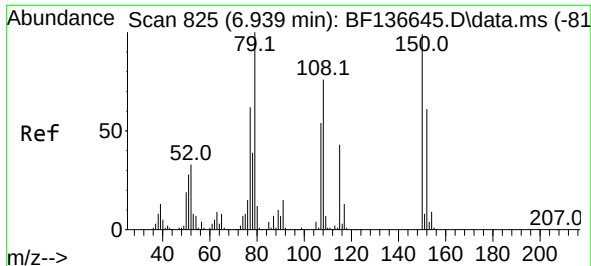
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#14  
1,2-Dichlorobenzene  
Concen: 37.384 ng  
RT: 6.951 min Scan# 827  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

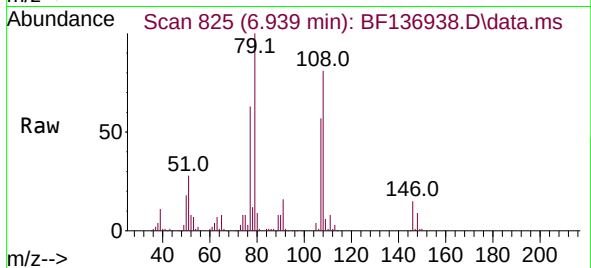
Tgt Ion:146 Resp: 224427  
Ion Ratio Lower Upper  
146 100  
148 62.7 49.6 74.4  
111 46.3 36.2 54.2





#15  
Benzyl Alcohol  
Concen: 38.892 ng  
RT: 6.939 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

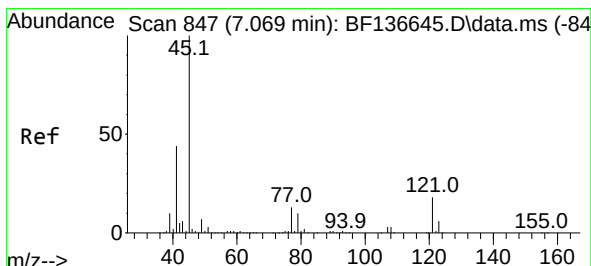
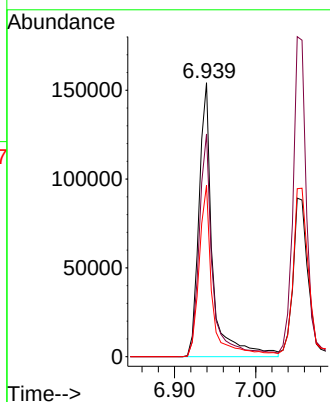
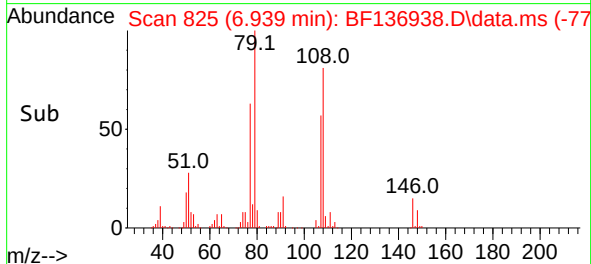
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



Tgt Ion: 79 Resp: 179819  
Ion Ratio Lower Upper  
79 100  
108 81.3 61.0 91.6  
77 62.6 49.8 74.8

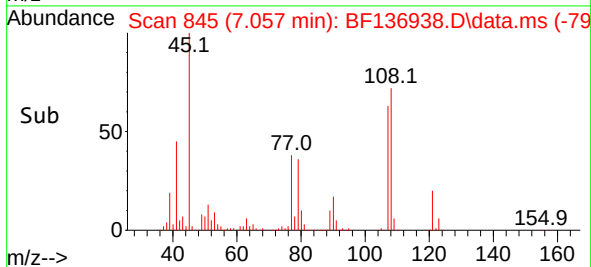
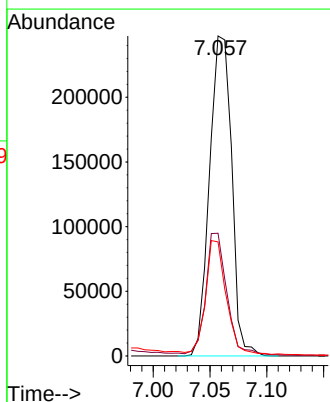
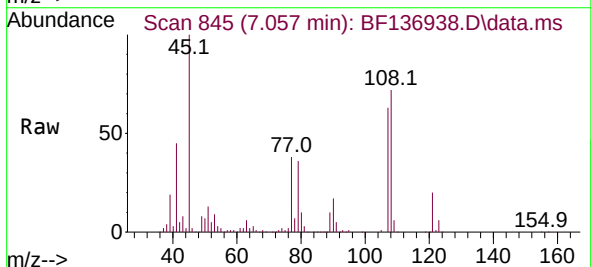
Manual Integrations  
APPROVED

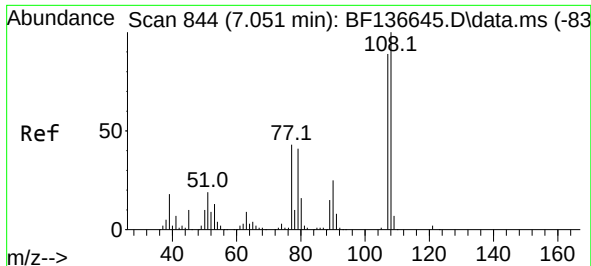
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.880 ng  
RT: 7.057 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion: 45 Resp: 335470  
Ion Ratio Lower Upper  
45 100  
77 38.4 0.0 34.3#  
79 35.7 0.0 31.4#





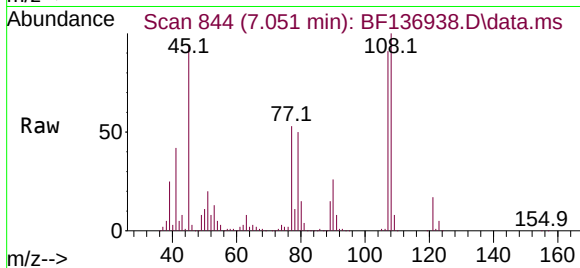
#17  
2-Methylphenol  
Concen: 38.920 ng  
RT: 7.051 min Scan# 844  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

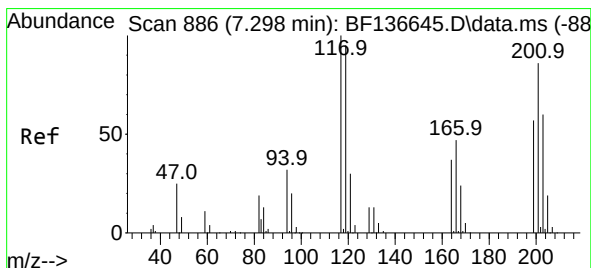
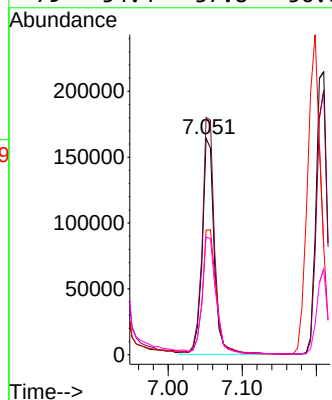


Tgt Ion:107 Resp: 186619  
Ion Ratio Lower Upper  
107 100  
108 109.8 90.3 135.5  
77 57.6 38.7 58.1  
79 54.4 37.8 56.6

Manual Integrations

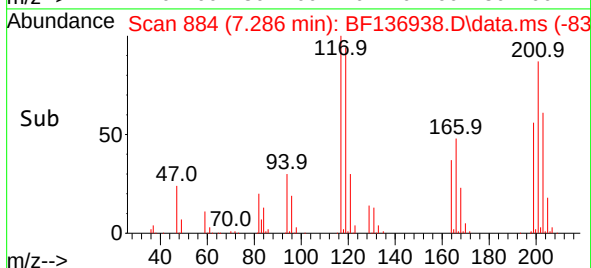
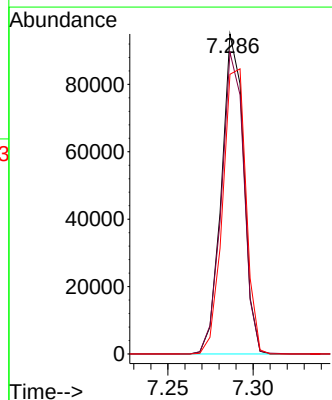
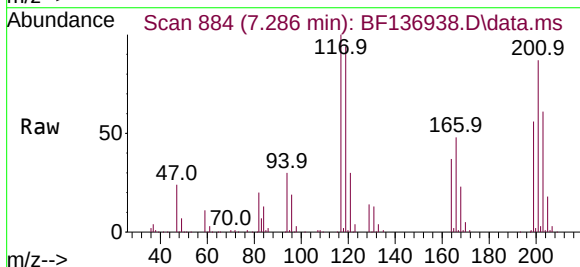
APPROVED

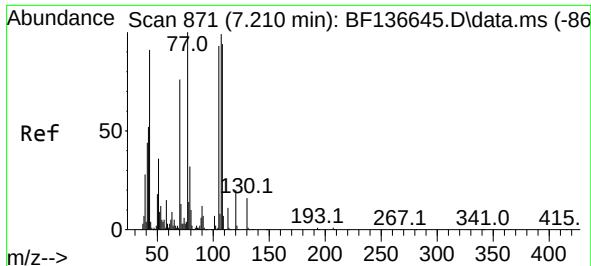
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#18  
Hexachloroethane  
Concen: 36.603 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

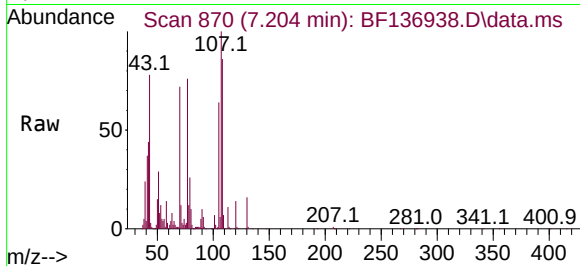
Tgt Ion:117 Resp: 85762  
Ion Ratio Lower Upper  
117 100  
119 94.3 75.8 113.6  
201 87.4 69.1 103.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 37.756 ng  
RT: 7.204 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

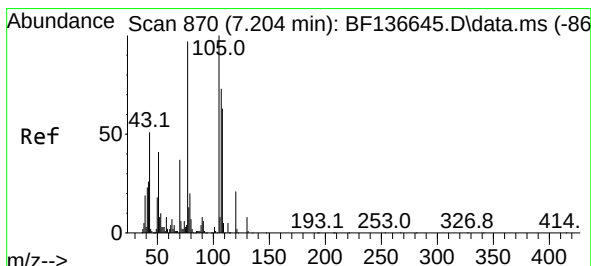
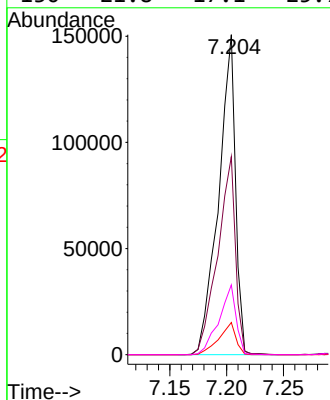
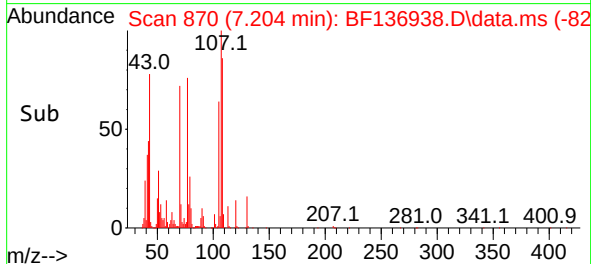
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



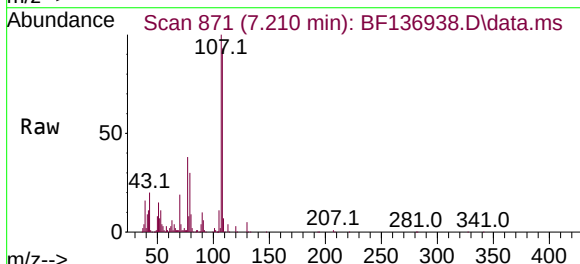
Tgt Ion: 70 Resp: 15685  
Ion Ratio Lower Upper  
70 100  
42 61.9 54.2 81.4  
101 10.0 7.6 11.4  
130 21.8 17.1 25.7

Manual Integrations  
APPROVED

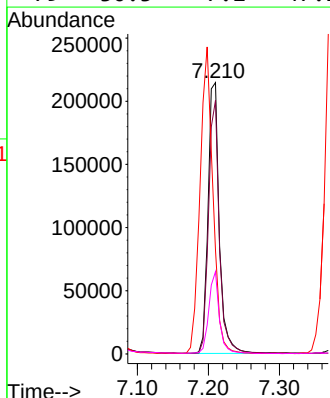
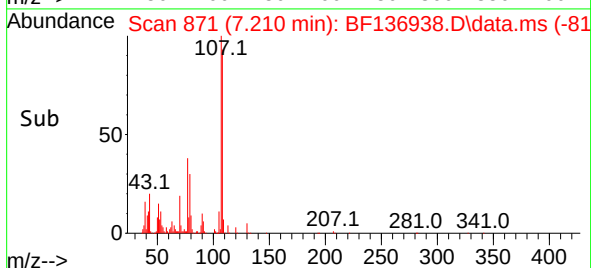
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

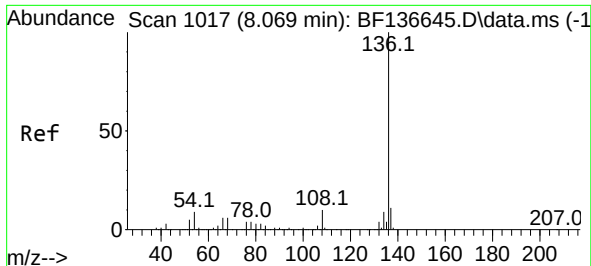


#20  
3+4-Methylphenols  
Concen: 39.605 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:107 Resp: 237250  
Ion Ratio Lower Upper  
107 100  
108 93.4 66.0 106.0  
77 38.3 114.2 154.2#  
79 30.3 7.2 47.2





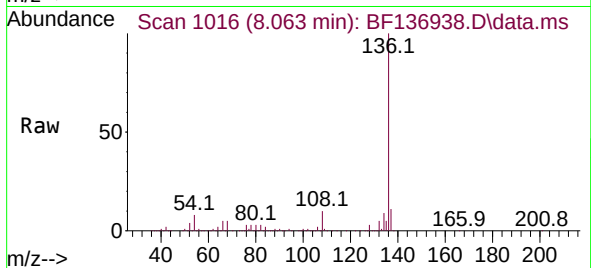
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

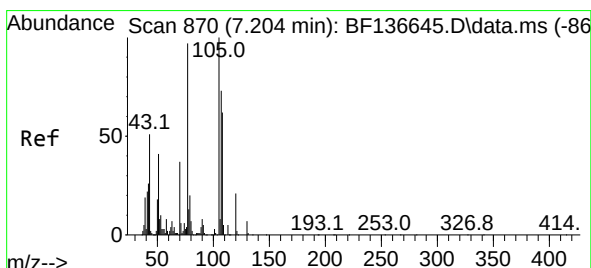
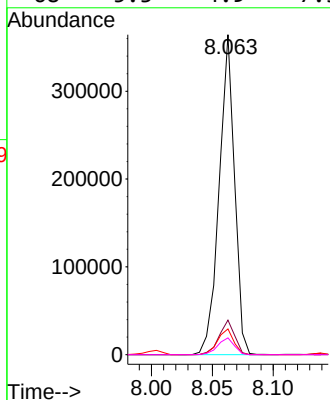
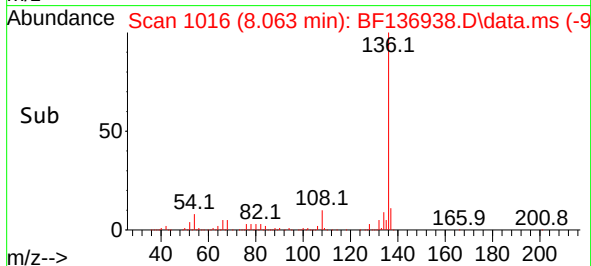


Tgt Ion:136 Resp: 321859  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 8.0 7.2 10.8  
68 5.3 4.9 7.3

Manual Integrations

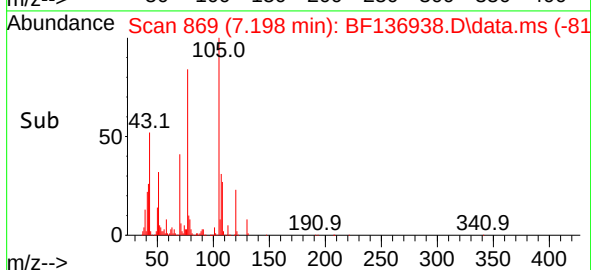
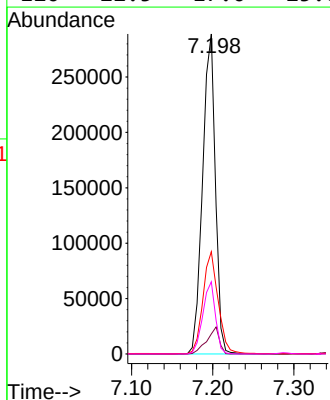
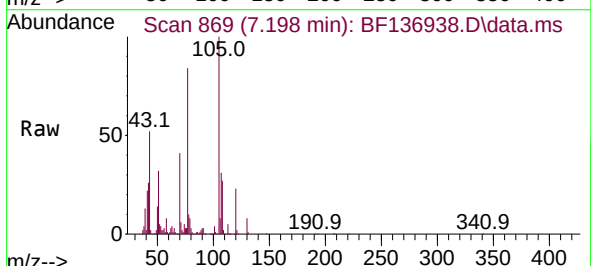
APPROVED

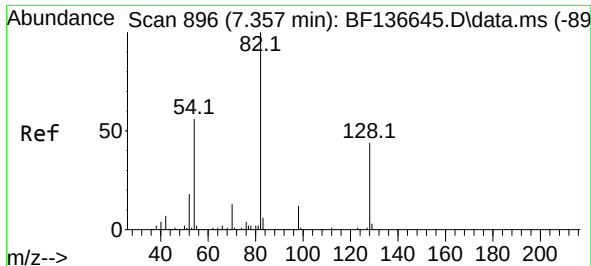
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#22  
Acetophenone  
Concen: 39.144 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:105 Resp: 315789  
Ion Ratio Lower Upper  
105 100  
71 6.3 4.8 7.2  
51 31.9 32.8 49.2#  
120 22.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 72.514 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

Tgt Ion: 82 Resp: 45610

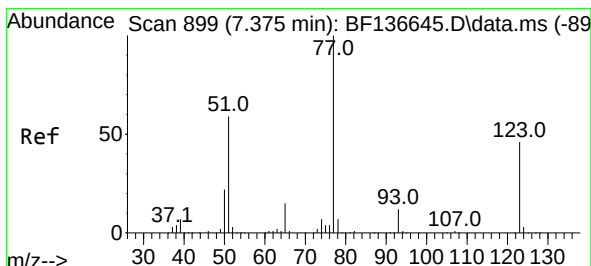
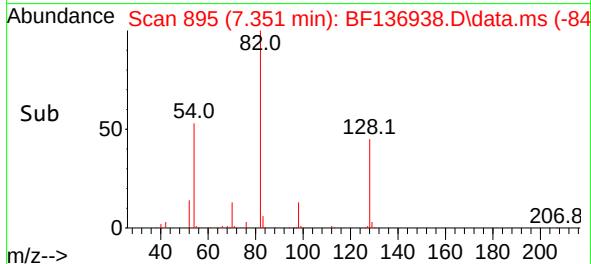
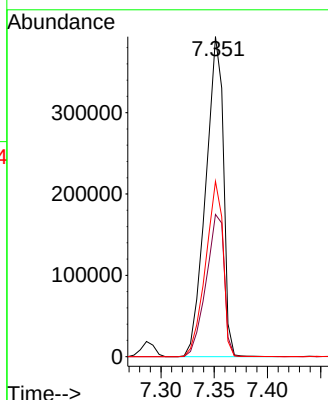
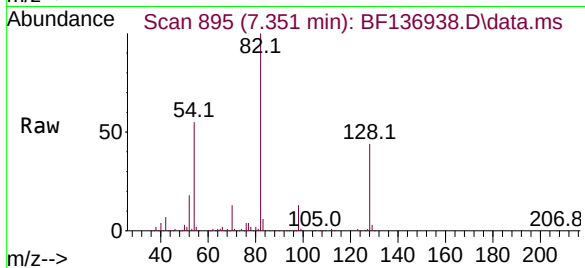
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.5  | 35.3  | 52.9  |
| 54  | 54.8  | 44.5  | 66.7  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#24

Nitrobenzene

Concen: 36.428 ng

RT: 7.369 min Scan# 898

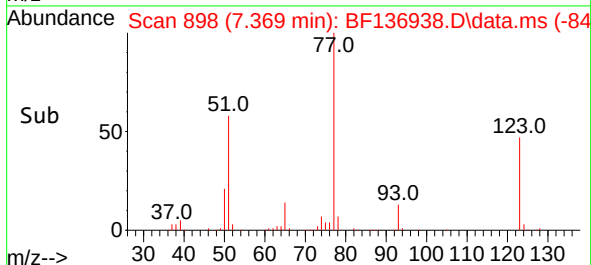
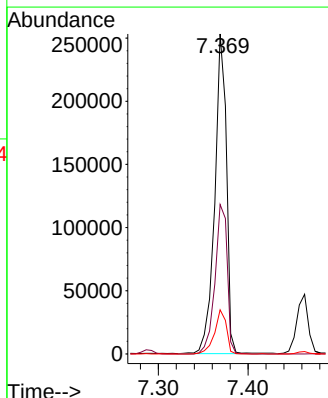
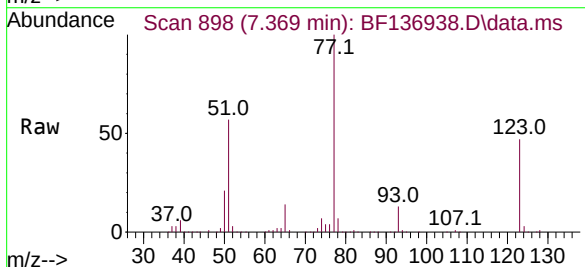
Delta R.T. -0.006 min

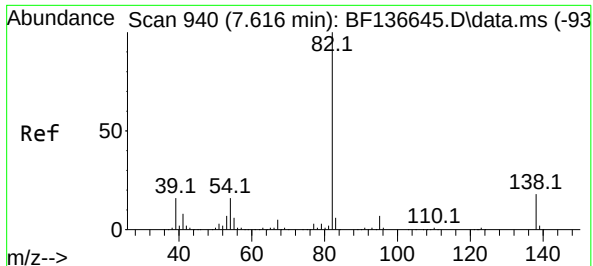
Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Tgt Ion: 77 Resp: 229528

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 46.7  | 36.7  | 55.1  |
| 65  | 13.8  | 11.8  | 17.6  |





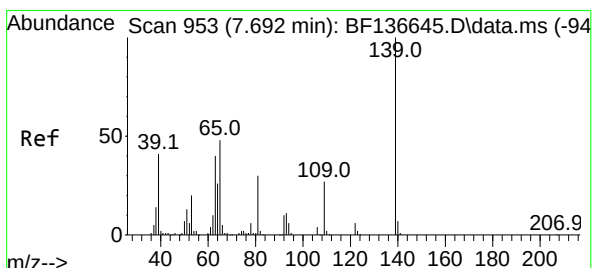
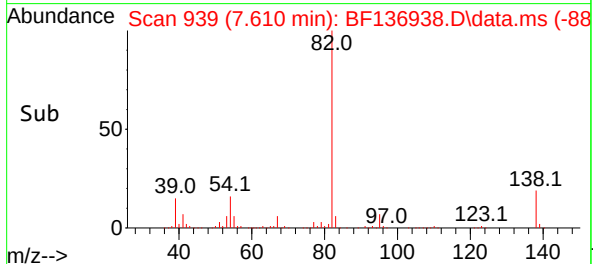
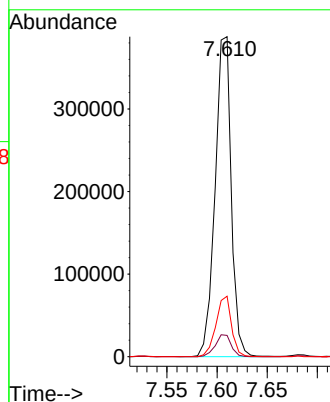
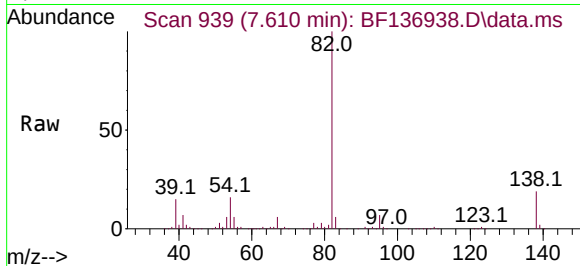
#25  
Isophorone  
Concen: 37.896 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS

Tgt Ion: 82 Resp: 433722  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.5 8.3  
138 18.9 14.5 21.7

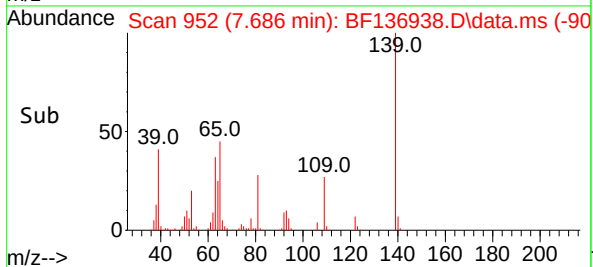
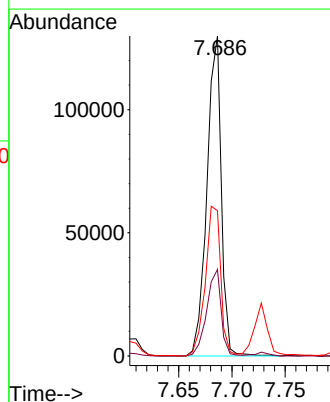
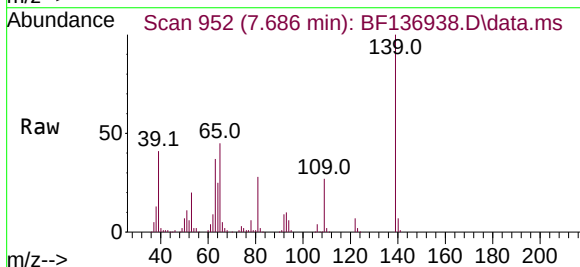
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

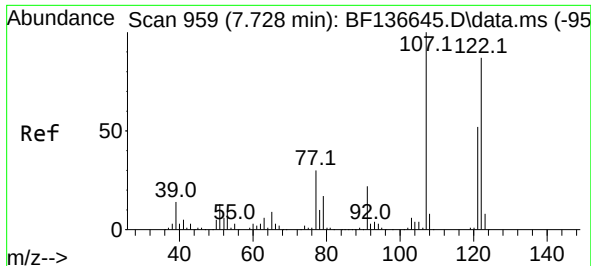


#26  
2-Nitrophenol  
Concen: 40.556 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:139 Resp: 122258  
Ion Ratio Lower Upper  
139 100  
109 27.1 21.9 32.9  
65 45.4 38.6 58.0







#27

2,4-Dimethylphenol

Concen: 56.002 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

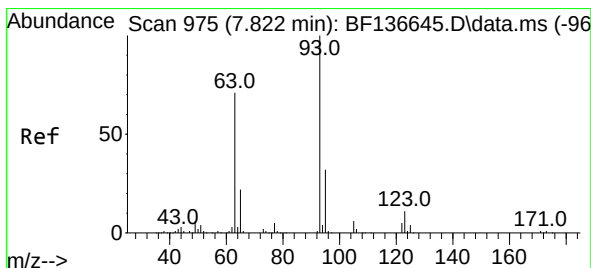
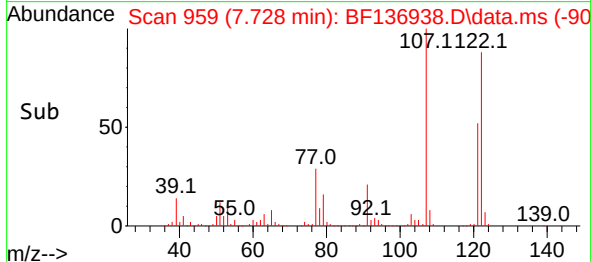
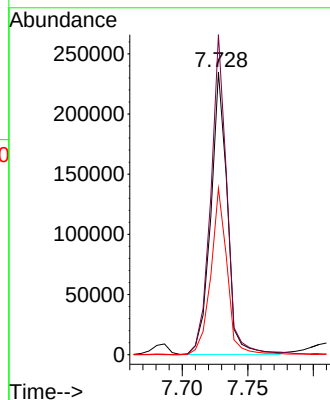
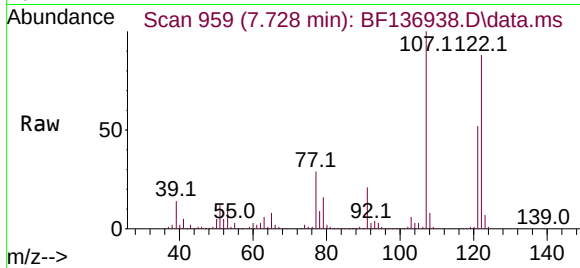
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 20553 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 113.2 | 92.0  | 138.0 |
| 121      | 58.8  | 47.5  | 71.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.582 ng

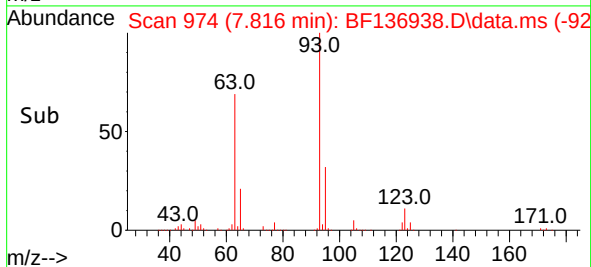
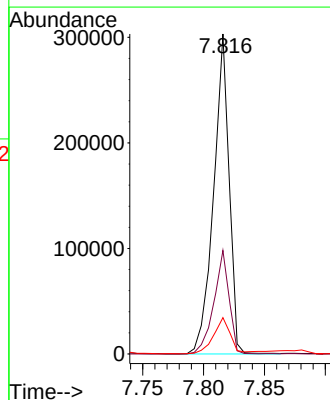
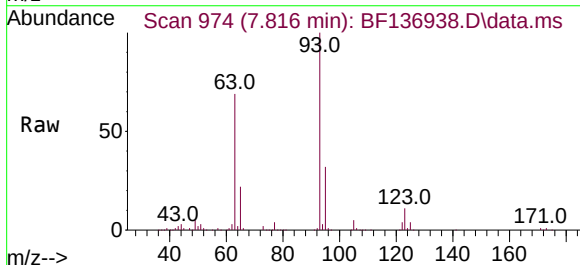
RT: 7.816 min Scan# 974

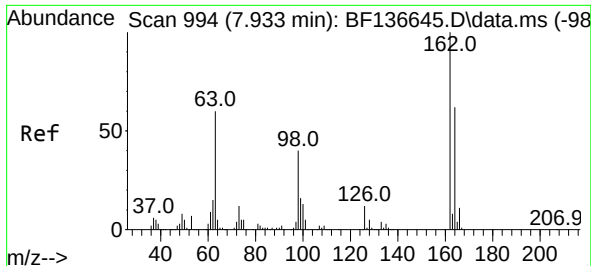
Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 268408 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.3  | 25.5  | 38.3   |
| 123      | 11.3  | 9.2   | 13.8   |





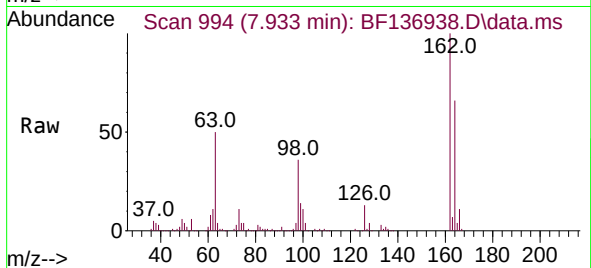
#29  
2,4-Dichlorophenol  
Concen: 39.883 ng  
RT: 7.933 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

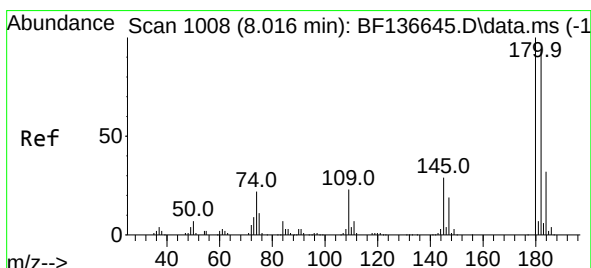
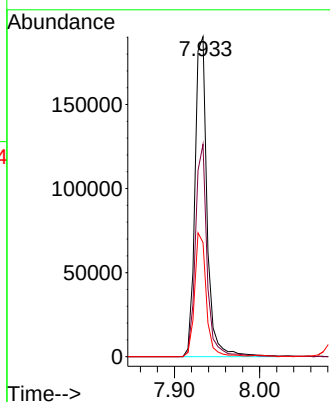
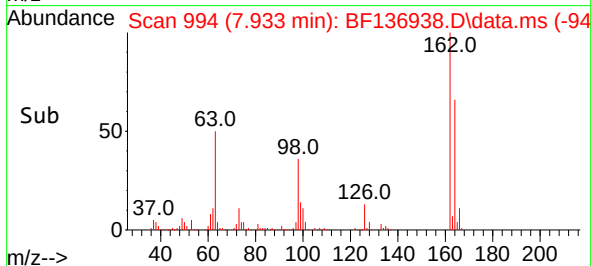
PB158204BS



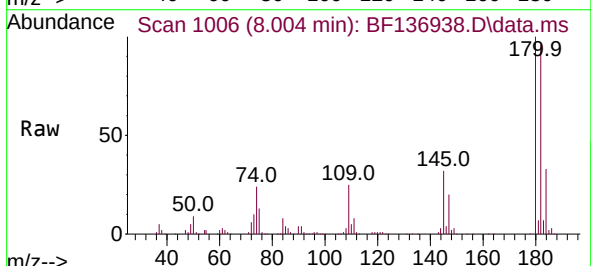
Tgt Ion:162 Resp: 18844  
Ion Ratio Lower Upper  
162 100  
164 66.3 41.7 81.7  
98 35.7 19.5 59.5

Manual Integrations  
APPROVED

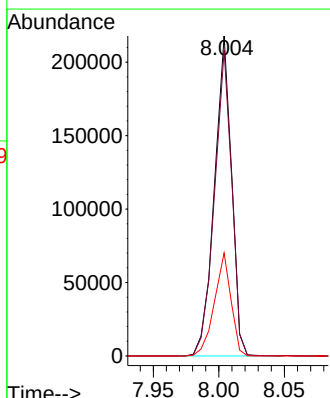
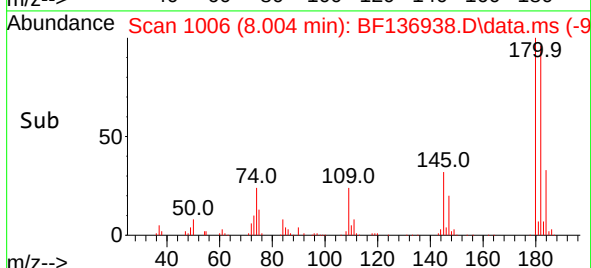
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

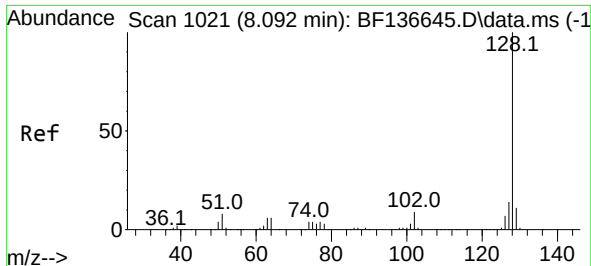


#30  
1,2,4-Trichlorobenzene  
Concen: 37.565 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:180 Resp: 197757  
Ion Ratio Lower Upper  
180 100  
182 95.5 75.4 113.0  
145 32.2 23.1 34.7





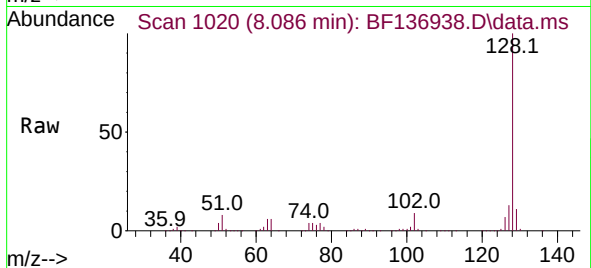
#31  
Naphthalene  
Concen: 37.706 ng  
RT: 8.086 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

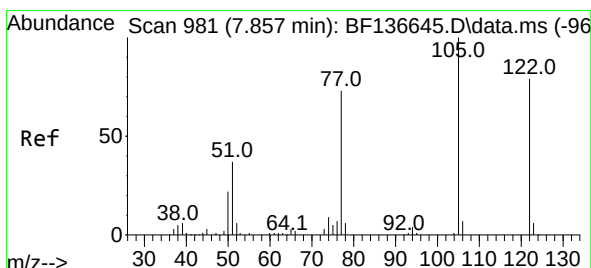
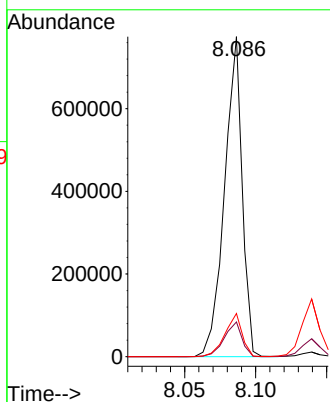
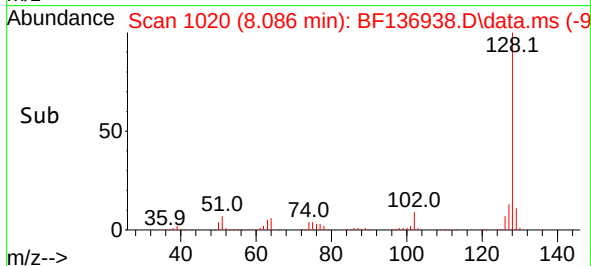


Tgt Ion:128 Resp: 666719  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.5 10.8 16.2

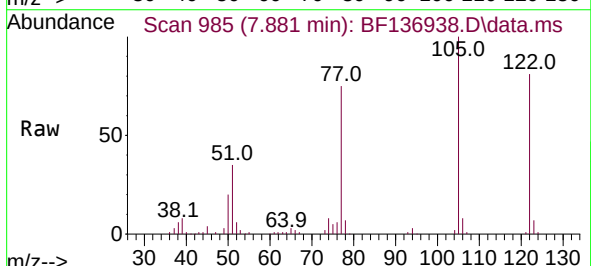
Manual Integrations

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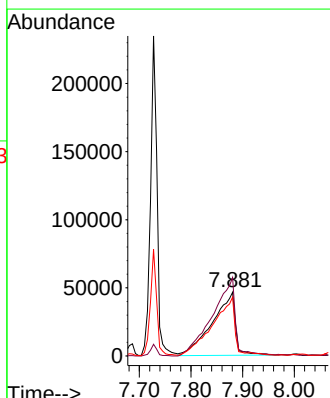
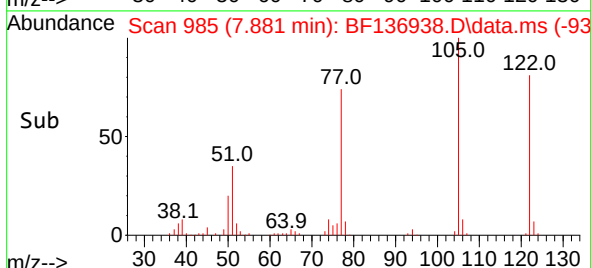
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

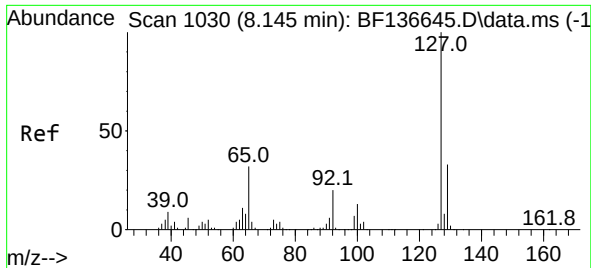


#32  
Benzoic acid  
Concen: 40.573 ng  
RT: 7.881 min Scan# 985  
Delta R.T. 0.024 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:122 Resp: 144076  
Ion Ratio Lower Upper  
122 100  
105 123.1 100.8 140.8  
77 92.3 70.9 110.9





#33  
4-Chloroaniline  
Concen: 21.363 ng  
RT: 8.139 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

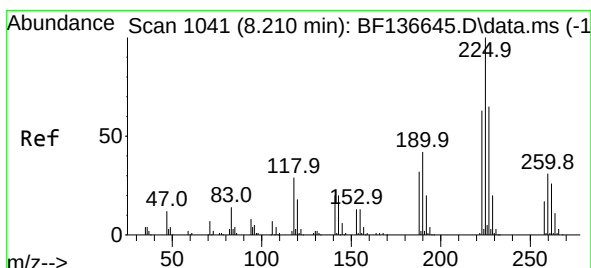
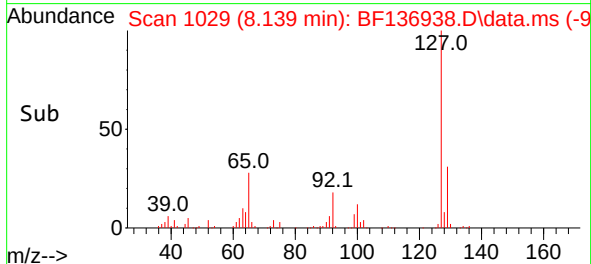
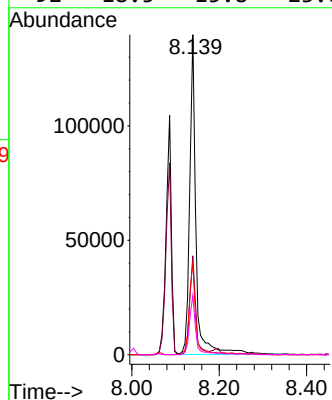
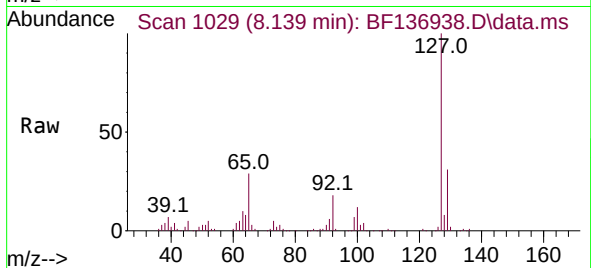
ClientSampleId :

PB158204BS

Tgt Ion:127 Resp: 13946  
Ion Ratio Lower Upper  
127 100  
129 30.9 26.3 39.5  
65 29.1 25.8 38.8  
92 18.5 15.8 23.6

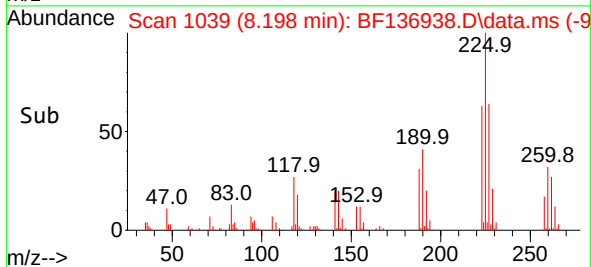
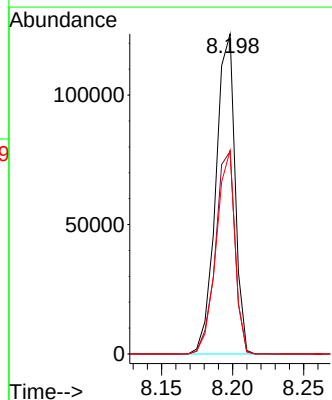
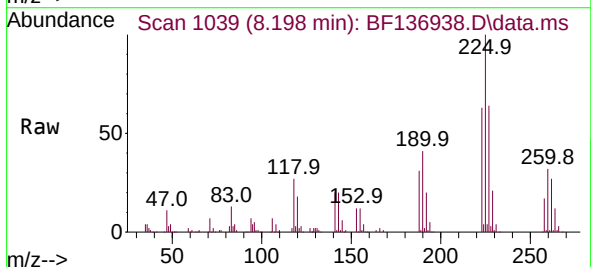
Manual Integrations  
APPROVED

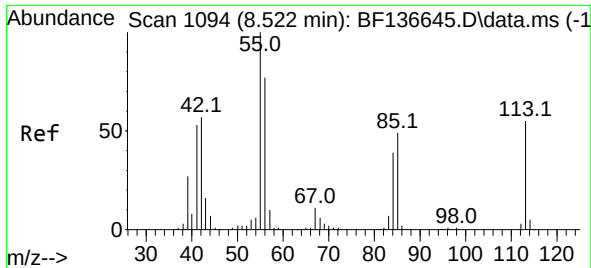
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#34  
Hexachlorobutadiene  
Concen: 36.252 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

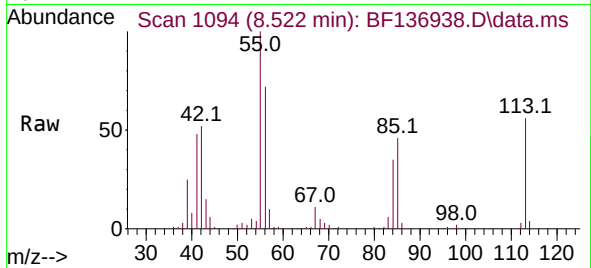
Tgt Ion:225 Resp: 115952  
Ion Ratio Lower Upper  
225 100  
223 63.3 50.6 76.0  
227 63.6 51.9 77.9





#35  
Caprolactam  
Concen: 42.627 ng m  
RT: 8.522 min Scan# 1094  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

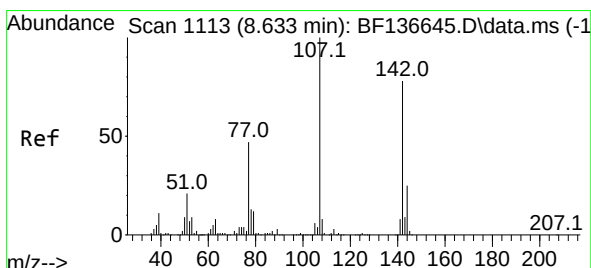
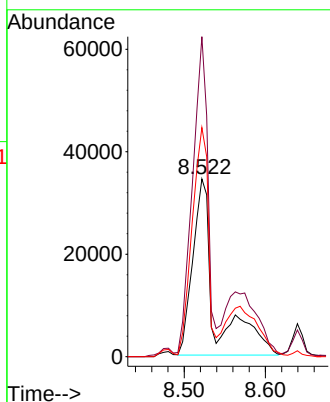
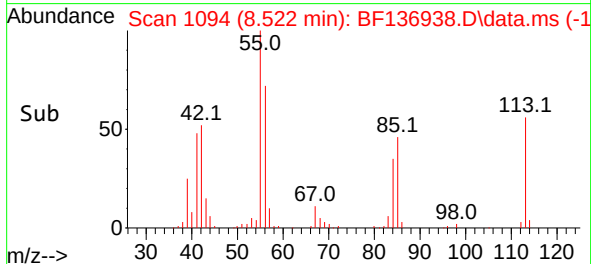
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



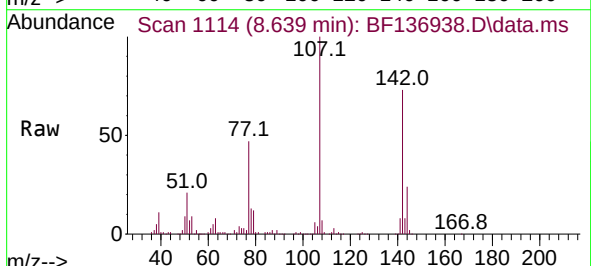
Tgt Ion:113 Resp: 6644  
Ion Ratio Lower Upper  
113 100  
55 180.0 163.1 203.1  
56 128.8 121.7 161.7

Manual Integrations  
APPROVED

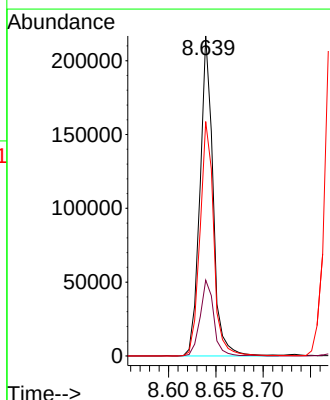
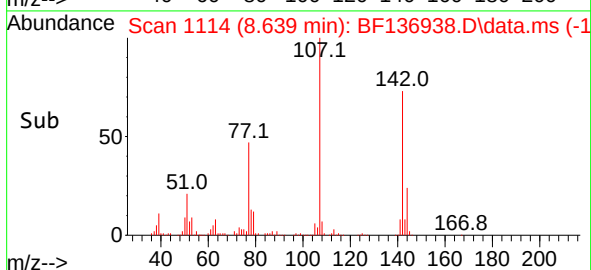
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

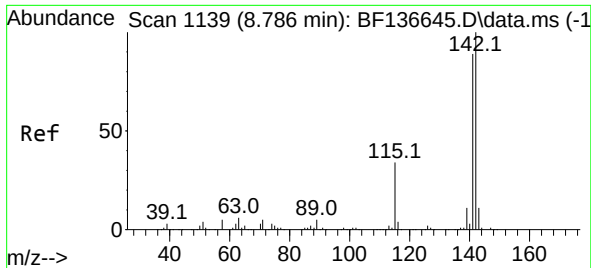


#36  
4-Chloro-3-methylphenol  
Concen: 39.286 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:107 Resp: 208971  
Ion Ratio Lower Upper  
107 100  
144 23.7 20.2 30.2  
142 73.3 62.3 93.5





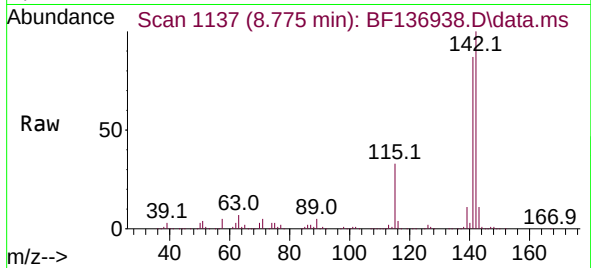
#37  
2-Methylnaphthalene  
Concen: 38.368 ng  
RT: 8.775 min Scan# 1137  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

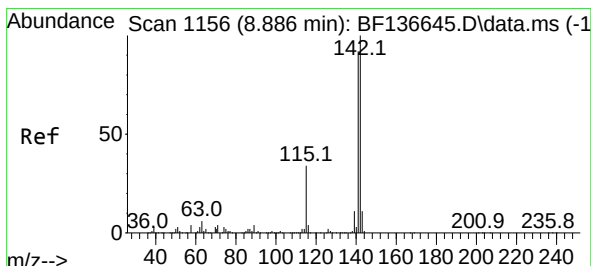
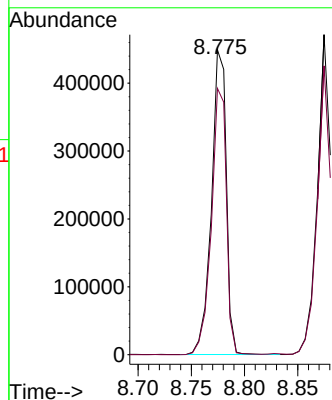
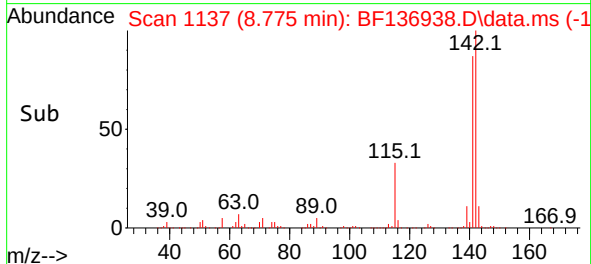


Tgt Ion:142 Resp: 436610  
Ion Ratio Lower Upper  
142 100  
141 87.4 71.1 106.7

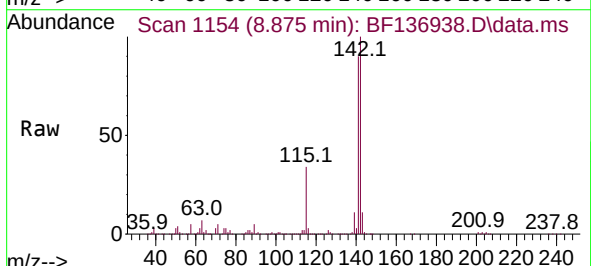
Manual Integrations

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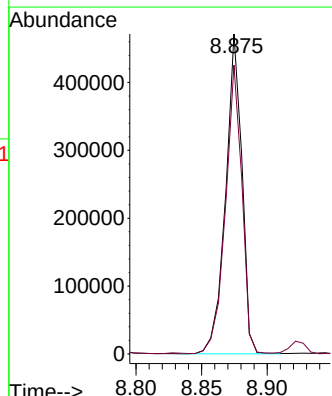
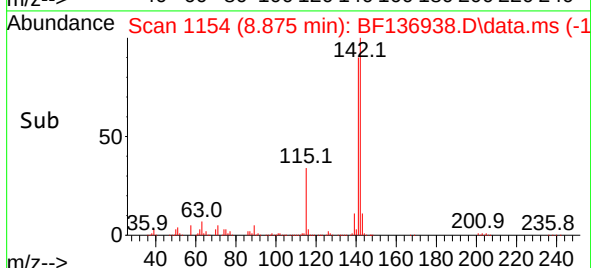
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

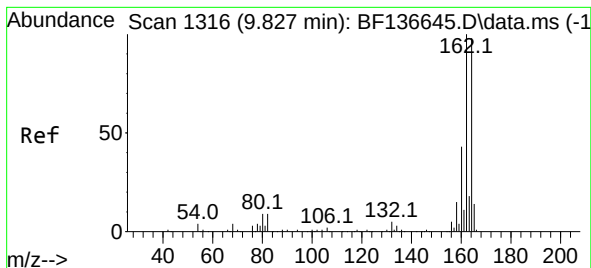


#38  
1-Methylnaphthalene  
Concen: 36.433 ng  
RT: 8.875 min Scan# 1154  
Delta R.T. -0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:142 Resp: 406750  
Ion Ratio Lower Upper  
142 100  
141 90.2 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF136938.D

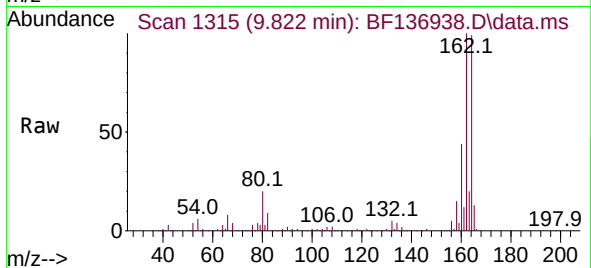
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS



Tgt Ion:164 Resp: 168380

Ion Ratio Lower Upper

164 100

162 101.0 81.6 122.4

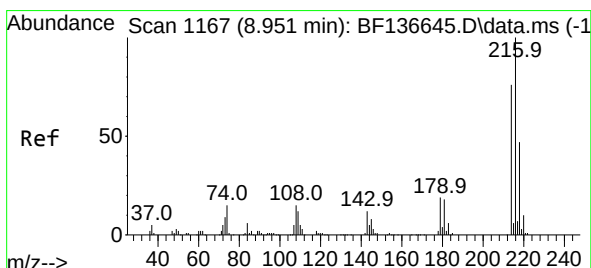
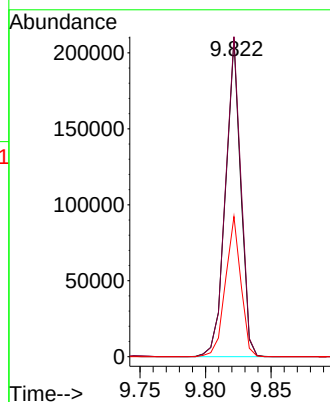
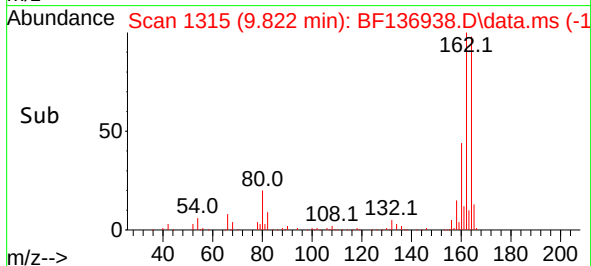
160 44.2 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.360 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Tgt Ion:216 Resp: 205250

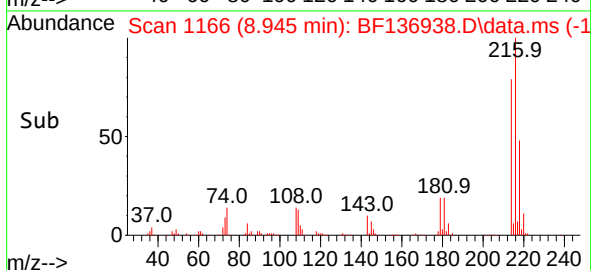
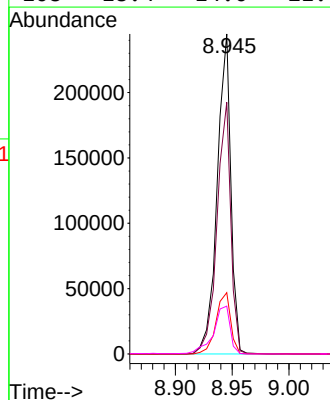
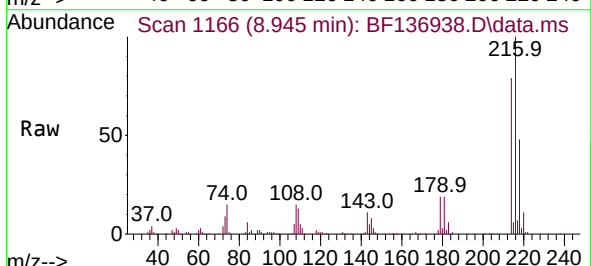
Ion Ratio Lower Upper

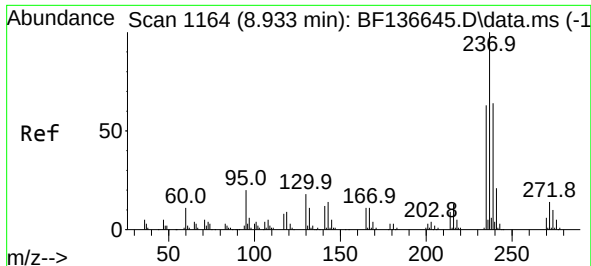
216 100

214 79.1 62.3 93.5

179 20.4 16.4 24.6

108 18.4 14.0 21.0





#41  
Hexachlorocyclopentadiene  
Concen: 86.031 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

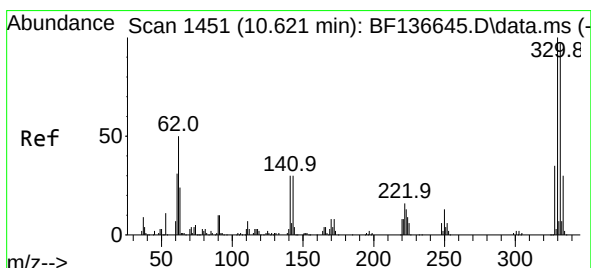
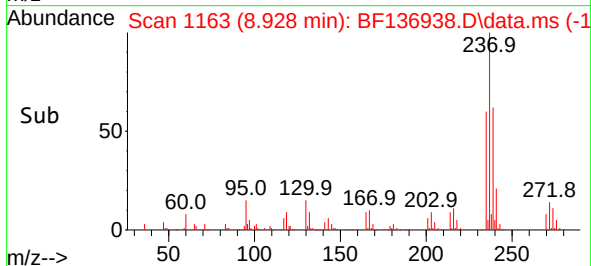
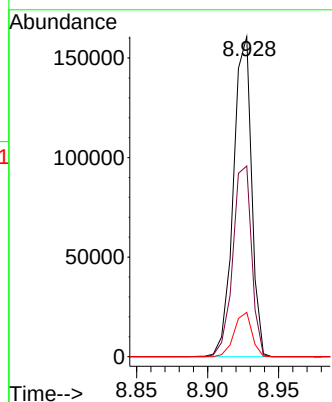
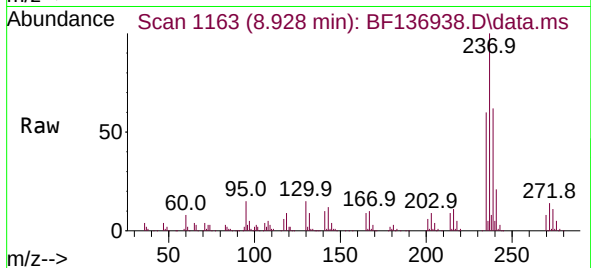
PB158204BS

Tgt Ion:237 Resp: 143694  
Ion Ratio Lower Upper  
237 100  
235 59.6 43.2 83.2  
272 13.9 0.0 34.2

Manual Integrations

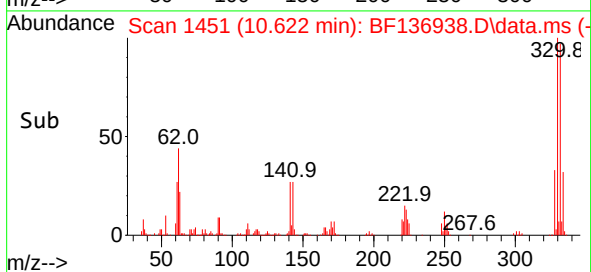
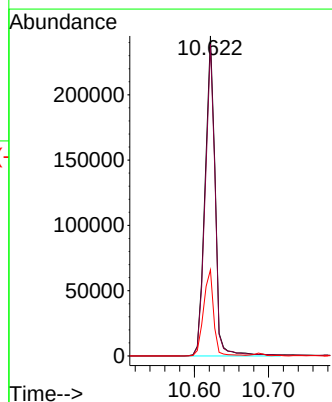
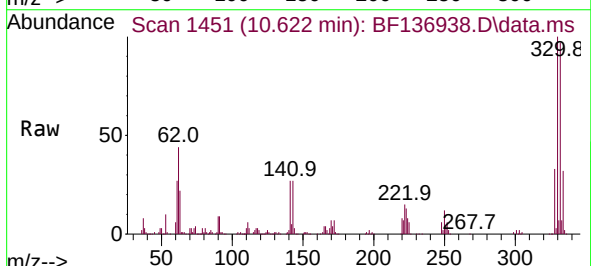
APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

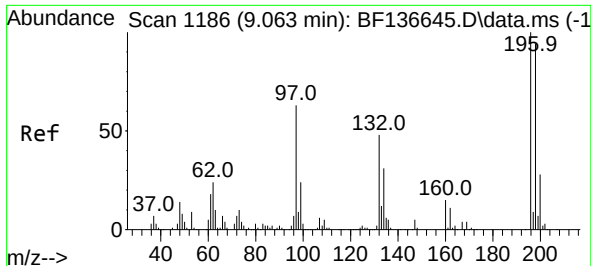


#42  
2,4,6-Tribromophenol  
Concen: 117.149 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:330 Resp: 232312  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.4 116.0  
141 26.9 23.4 35.2

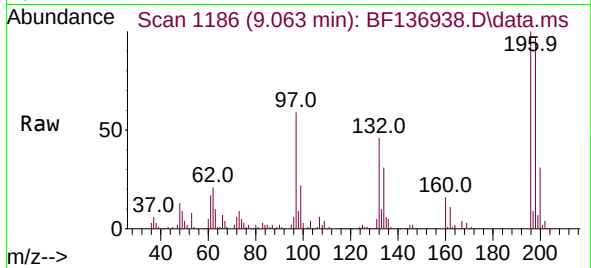






#43  
2,4,6-Trichlorophenol  
Concen: 39.840 ng  
RT: 9.063 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

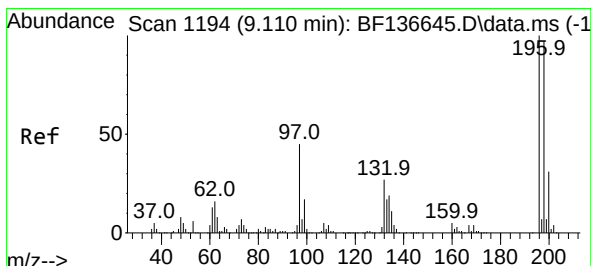
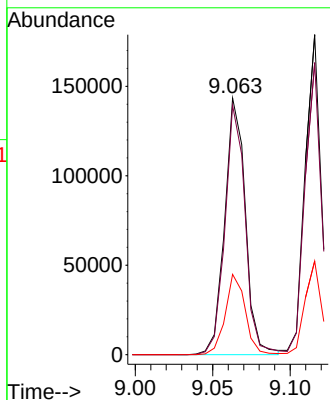
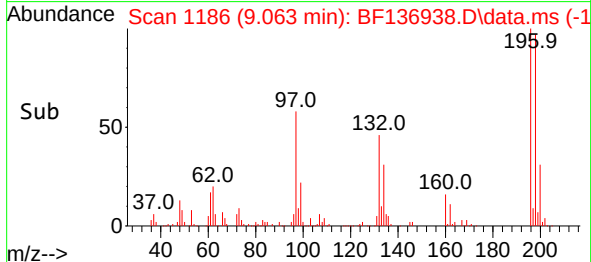
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



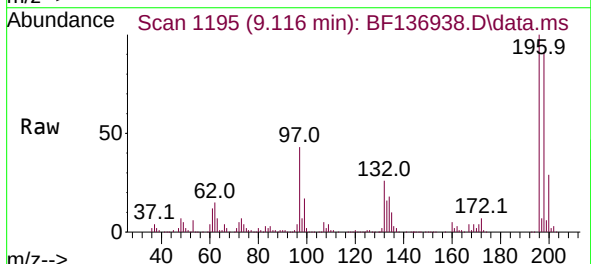
Tgt Ion:196 Resp: 133230  
Ion Ratio Lower Upper  
196 100  
198 97.1 75.1 112.7  
200 31.3 22.5 33.7

Manual Integrations  
APPROVED

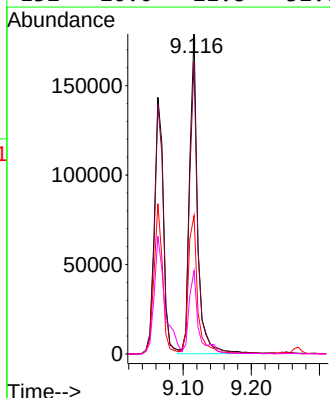
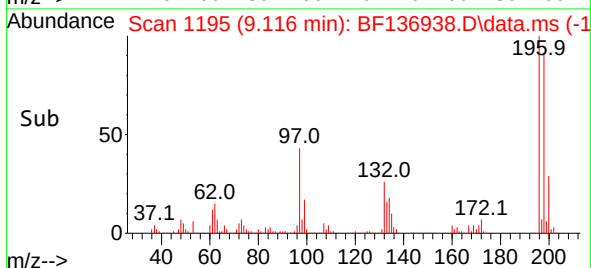
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

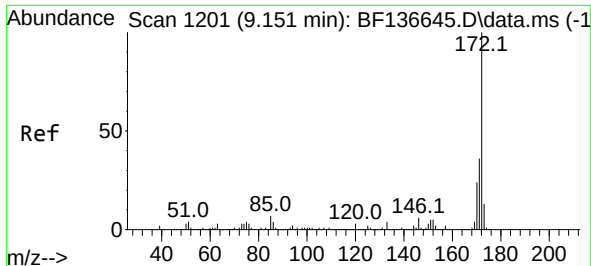


#44  
2,4,5-Trichlorophenol  
Concen: 39.217 ng  
RT: 9.116 min Scan# 1195  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:196 Resp: 146150  
Ion Ratio Lower Upper  
196 100  
198 91.3 77.0 115.6  
97 43.2 36.1 54.1  
132 26.0 21.8 32.6





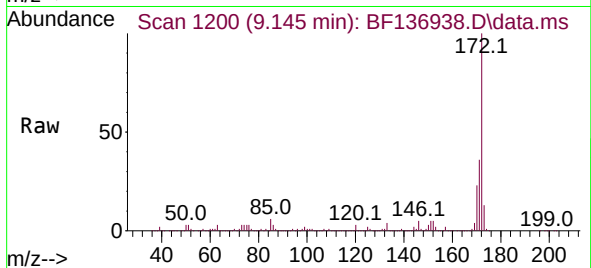
#45  
2-Fluorobiphenyl  
Concen: 74.158 ng  
RT: 9.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

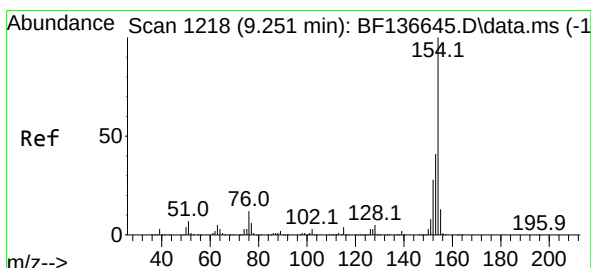
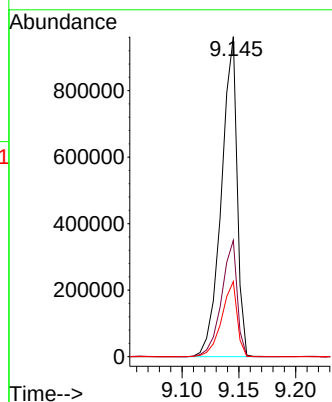
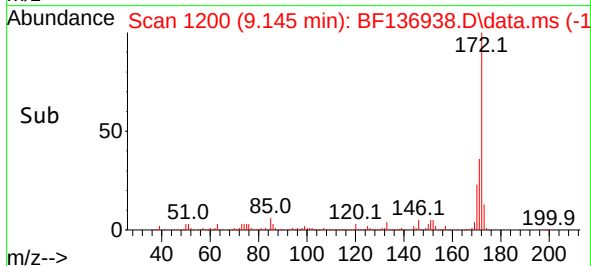


Tgt Ion:172 Resp: 928392  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.0 43.6  
170 23.5 19.0 28.4

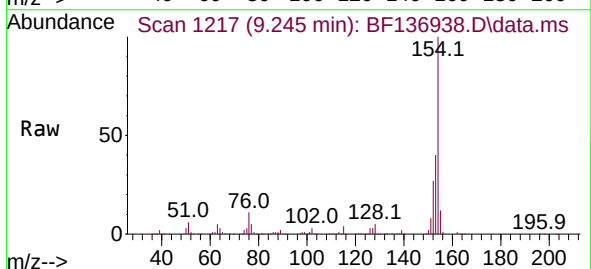
Manual Integrations

APPROVED

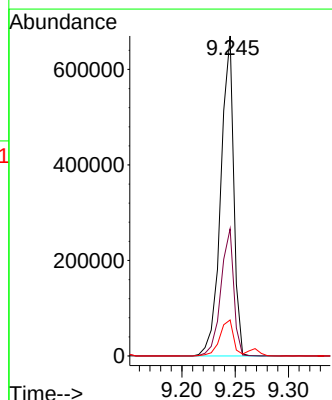
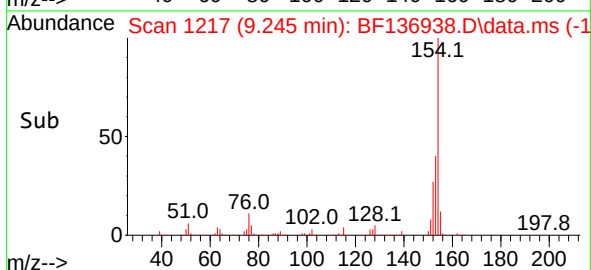
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

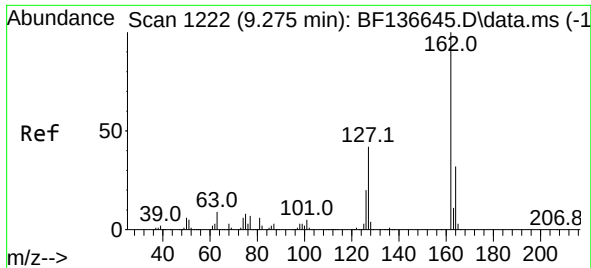


#46  
1,1'-Biphenyl  
Concen: 39.895 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:154 Resp: 563698  
Ion Ratio Lower Upper  
154 100  
153 39.7 21.1 61.1  
76 11.3 0.0 31.7





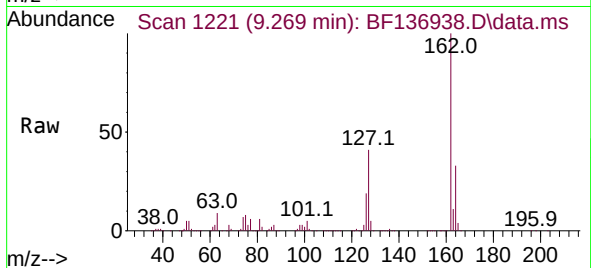
#47  
2-Chloronaphthalene  
Concen: 37.990 ng  
RT: 9.269 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

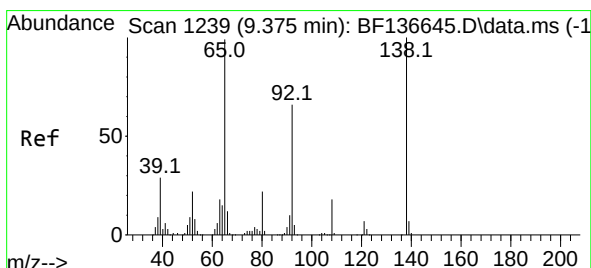
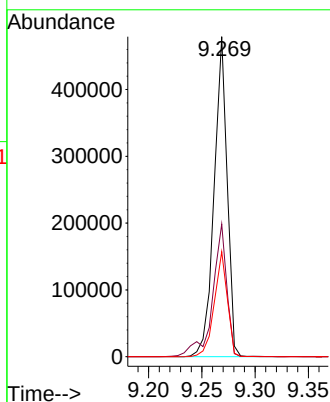
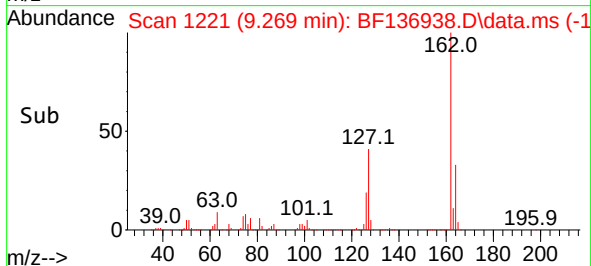


Tgt Ion:162 Resp: 408074  
Ion Ratio Lower Upper  
162 100  
127 41.4 33.6 50.4  
164 32.8 25.7 38.5

Manual Integrations

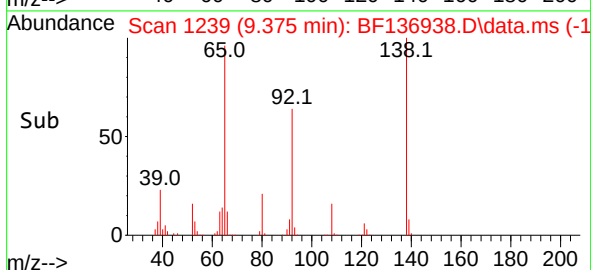
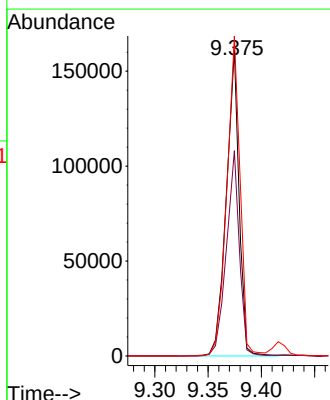
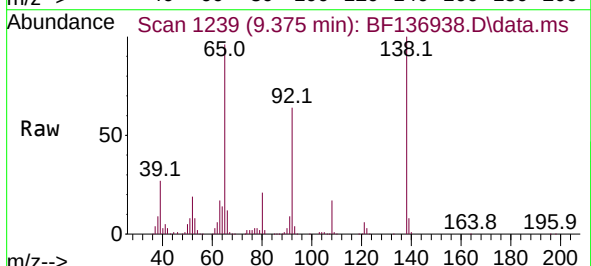
APPROVED

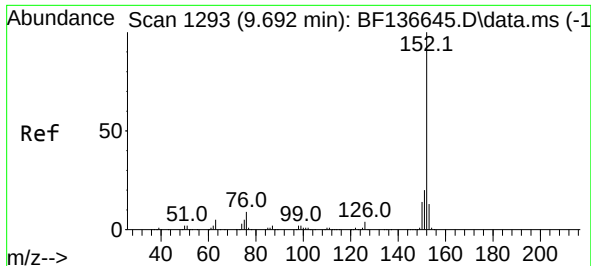
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#48  
2-Nitroaniline  
Concen: 39.943 ng  
RT: 9.375 min Scan# 1239  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion: 65 Resp: 134358  
Ion Ratio Lower Upper  
65 100  
92 67.0 53.2 79.8  
138 104.5 81.1 121.7





#49

Acenaphthylene

Concen: 39.506 ng

RT: 9.686 min Scan# 1293

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

Tgt Ion:152 Resp: 64863

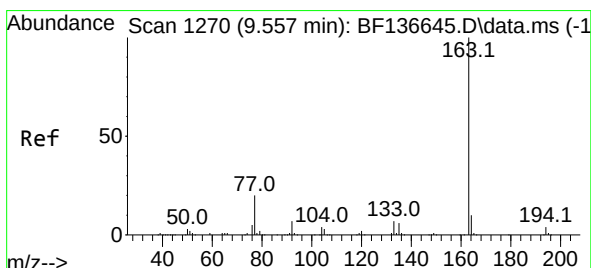
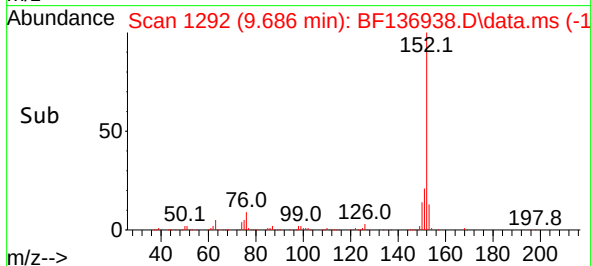
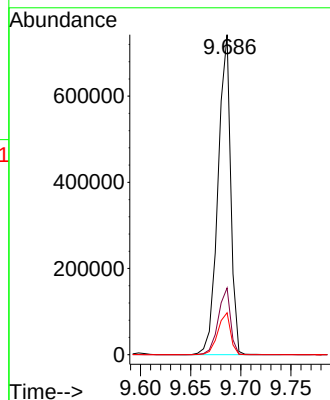
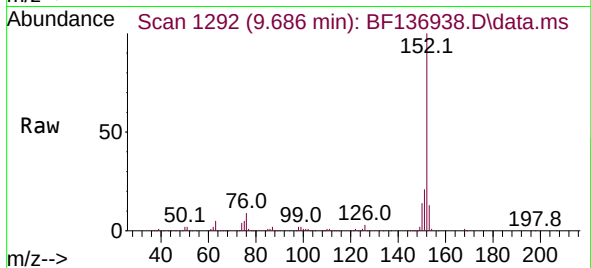
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.9  | 16.2  | 24.4  |
| 153 | 13.1  | 10.2  | 15.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#50

Dimethylphthalate

Concen: 40.074 ng

RT: 9.551 min Scan# 1269

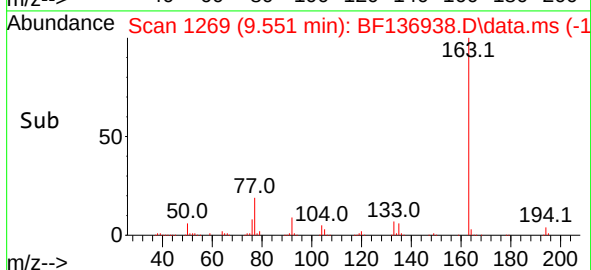
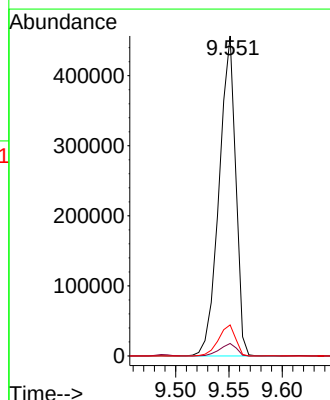
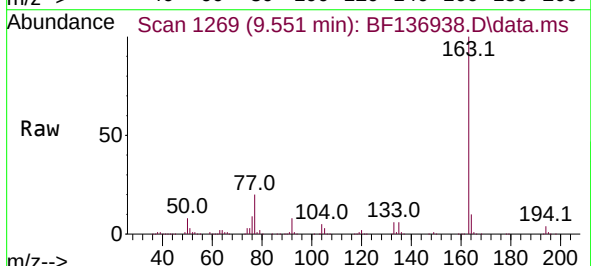
Delta R.T. -0.006 min

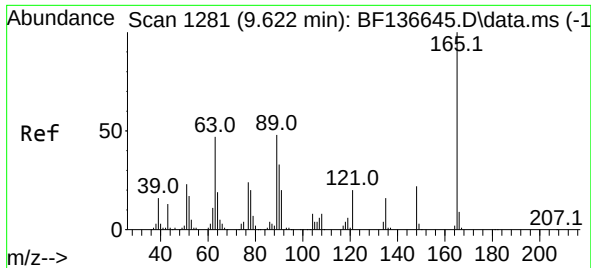
Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Tgt Ion:163 Resp: 492871

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.3   | 4.9   |
| 164 | 9.7   | 7.8   | 11.6  |





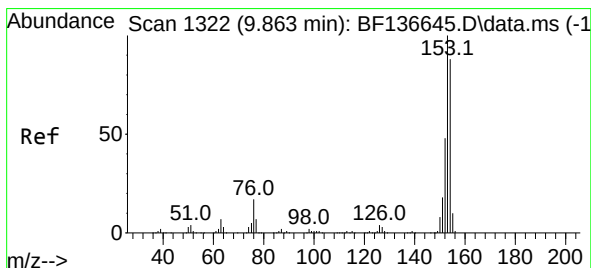
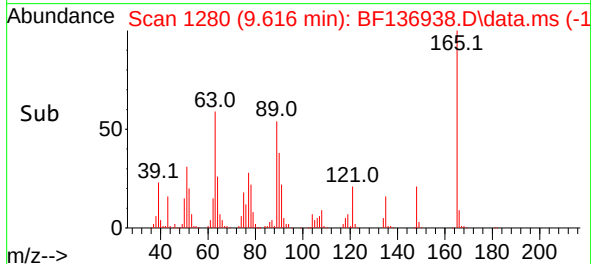
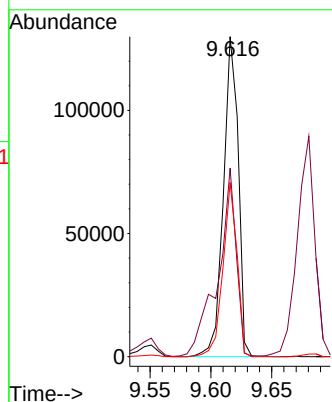
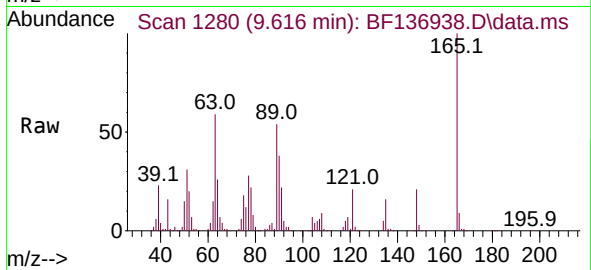
#51  
2,6-Dinitrotoluene  
Concen: 39.603 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS

Tgt Ion:165 Resp: 11054  
Ion Ratio Lower Upper  
165 100  
63 58.9 39.8 59.6  
89 54.4 38.8 58.2

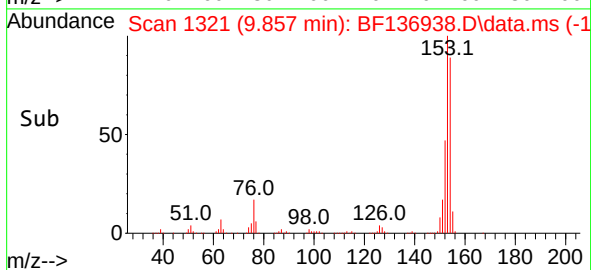
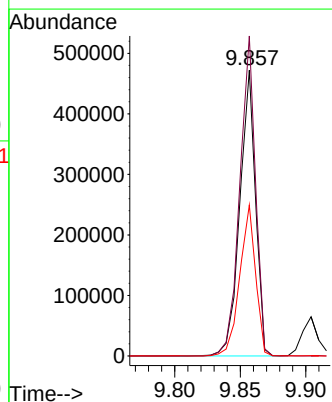
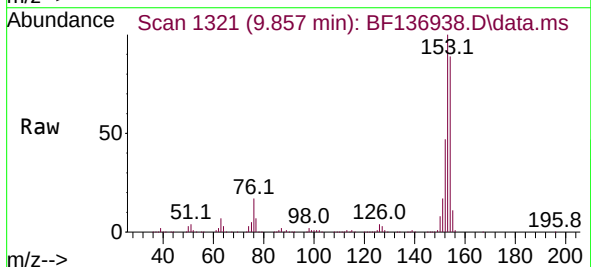
Manual Integrations  
APPROVED

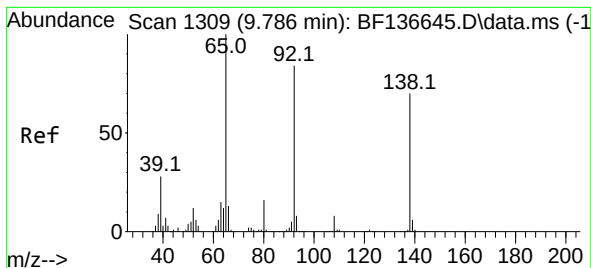
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#52  
Acenaphthene  
Concen: 38.986 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:154 Resp: 396779  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.7 136.1  
152 52.8 43.7 65.5





#53

3-Nitroaniline

Concen: 29.375 ng

RT: 9.786 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

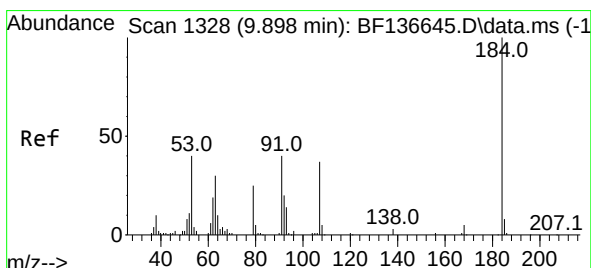
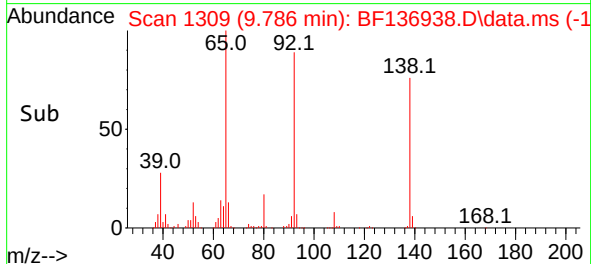
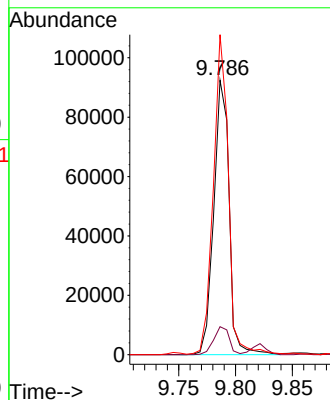
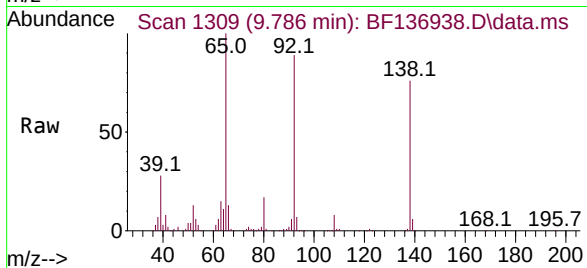
Tgt Ion:138 Resp: 86850  
 Ion Ratio Lower Upper  
 138 100  
 108 10.2 8.6 12.8  
 92 116.6 95.2 142.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#54

2,4-Dinitrophenol

Concen: 66.724 ng

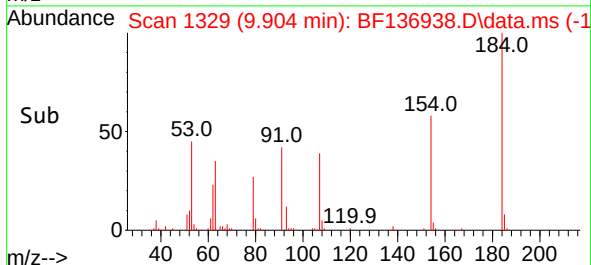
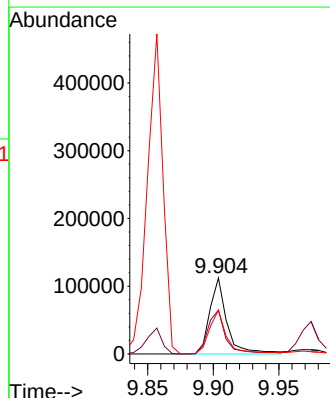
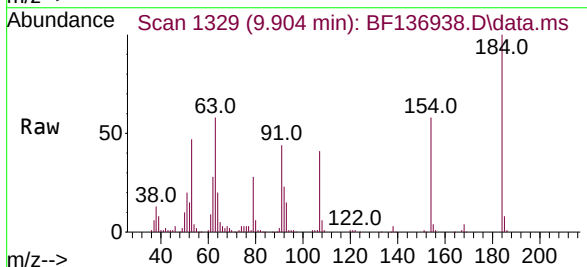
RT: 9.904 min Scan# 1329

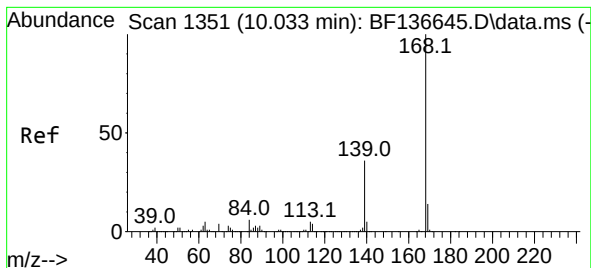
Delta R.T. 0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

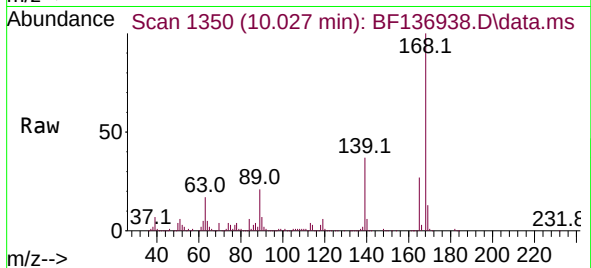
Tgt Ion:184 Resp: 102214  
 Ion Ratio Lower Upper  
 184 100  
 63 57.8 40.9 61.3  
 154 57.7 42.7 64.1





#55  
Dibenzenofuran  
Concen: 38.712 ng  
RT: 10.027 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

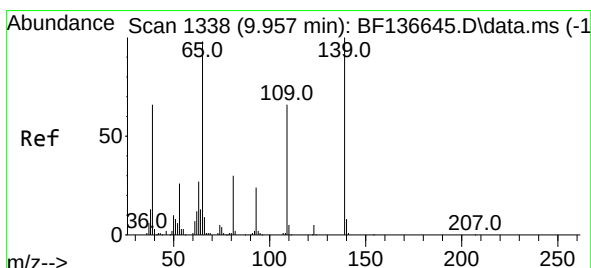
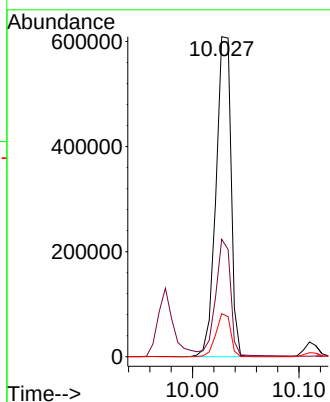
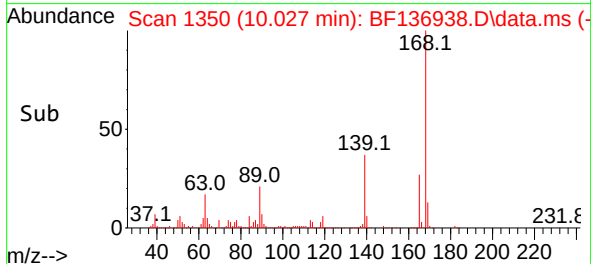
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



Tgt Ion:168 Resp: 597240  
Ion Ratio Lower Upper  
168 100  
139 36.7 29.3 43.9  
169 13.5 11.0 16.4

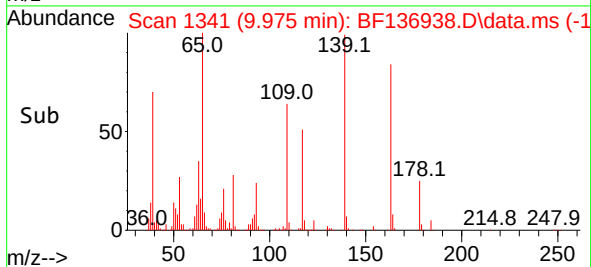
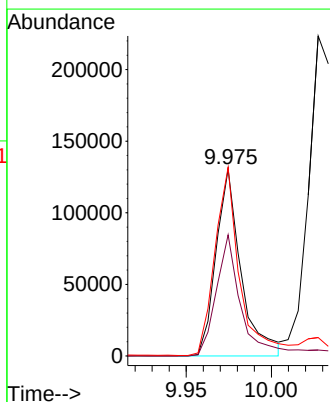
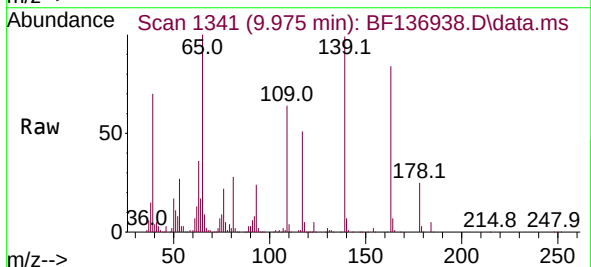
Manual Integrations  
APPROVED

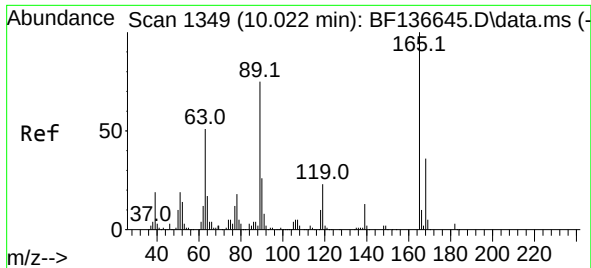
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#56  
4-Nitrophenol  
Concen: 66.793 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.018 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:139 Resp: 133320  
Ion Ratio Lower Upper  
139 100  
109 64.9 45.8 85.8  
65 101.0 77.8 117.8





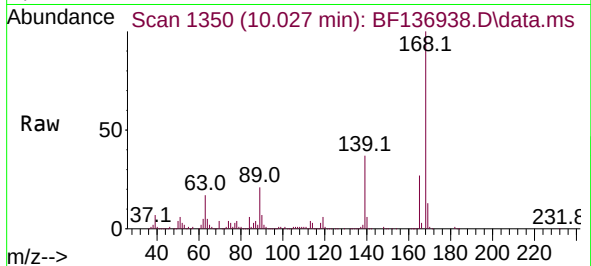
#57  
2,4-Dinitrotoluene  
Concen: 38.167 ng  
RT: 10.027 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS



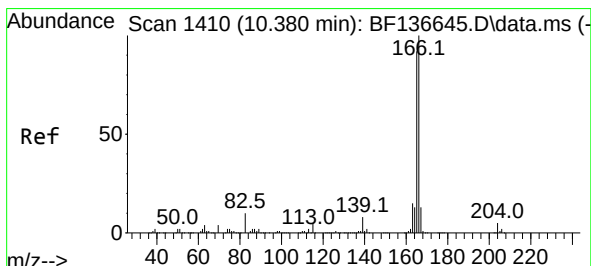
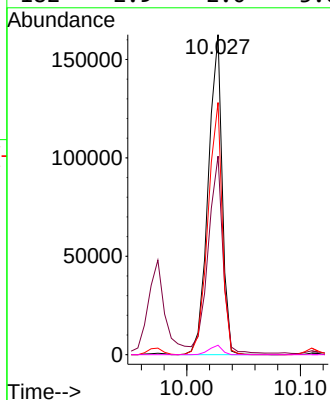
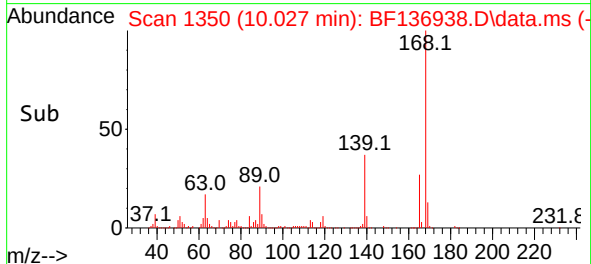
Tgt Ion:165 Resp: 13830  
Ion Ratio Lower Upper  
165 100  
63 62.0 41.0 61.6  
89 78.8 59.9 89.9  
182 2.9 2.0 3.0

Manual Integrations

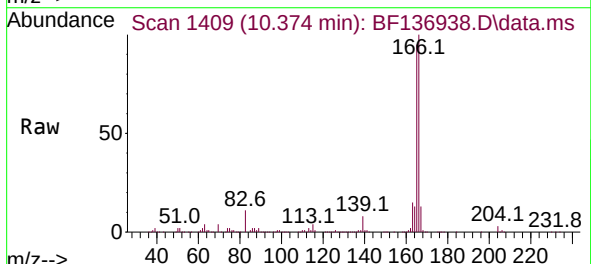
APPROVED

Reviewed By :Yogesh Patel 01/05/2024

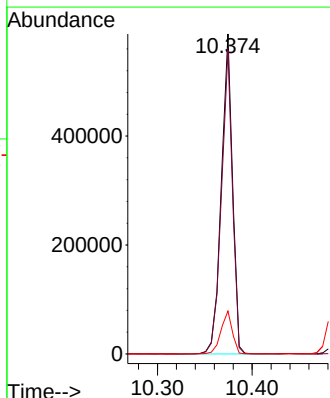
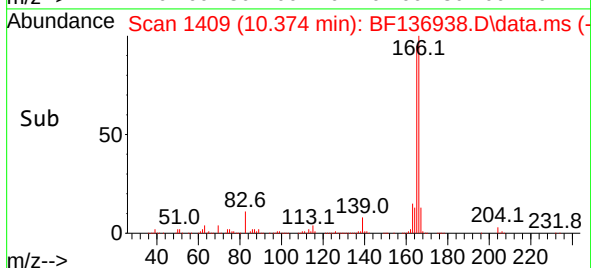
Supervised By :mohammad ahmed 01/05/2024



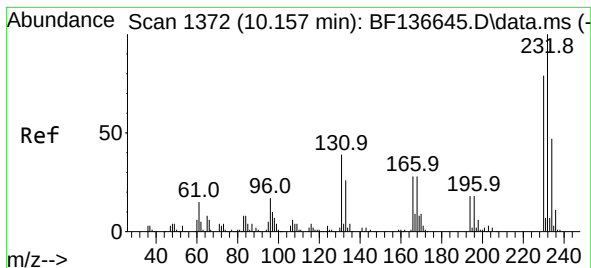
#58  
Fluorene  
Concen: 39.575 ng  
RT: 10.374 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:166 Resp: 484441  
Ion Ratio Lower Upper  
166 100  
165 94.9 73.7 110.5  
167 13.4 10.4 15.6







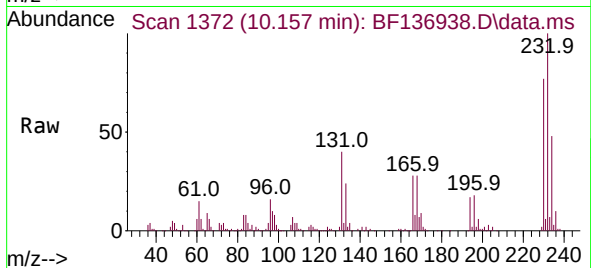
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.099 ng  
RT: 10.157 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

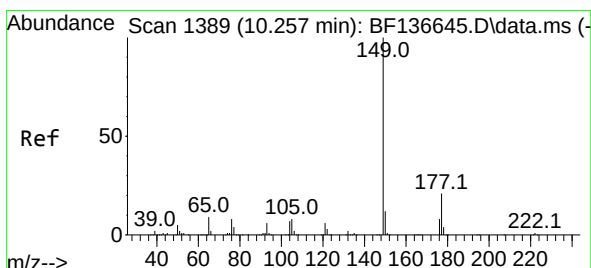
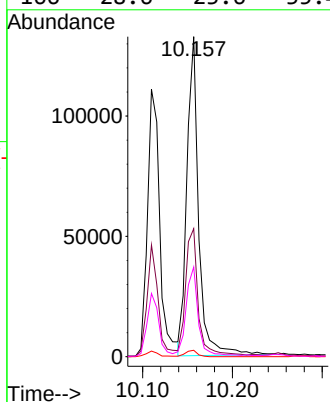
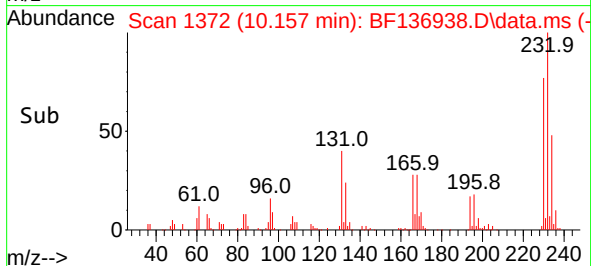


Tgt Ion:232 Resp: 120772  
Ion Ratio Lower Upper  
232 100  
131 42.5 35.1 52.7  
130 2.0 1.6 2.4  
166 28.6 23.6 35.4

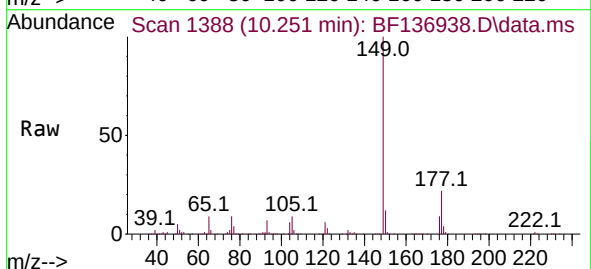
Manual Integrations

APPROVED

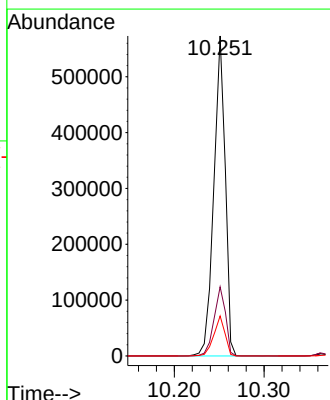
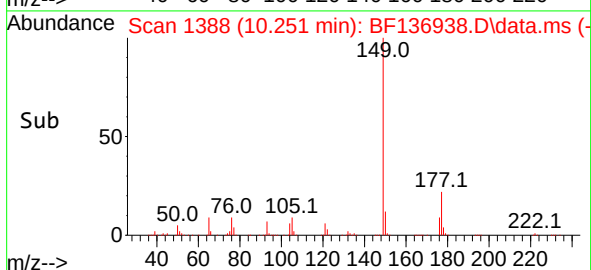
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

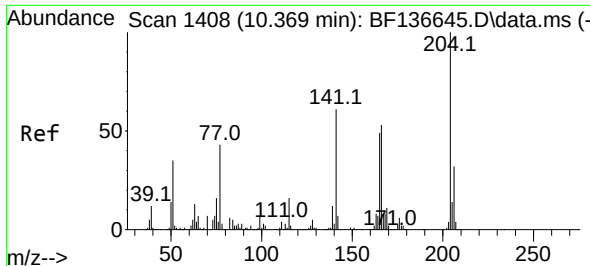


#60  
Diethylphthalate  
Concen: 39.584 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



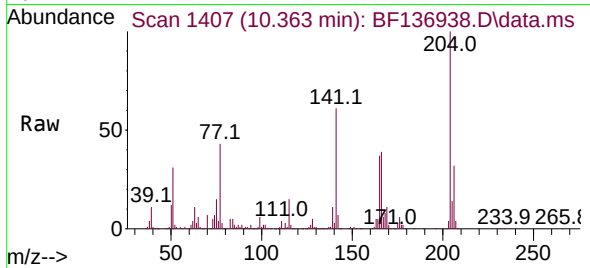
Tgt Ion:149 Resp: 505124  
Ion Ratio Lower Upper  
149 100  
177 21.6 16.9 25.3  
150 12.5 9.3 13.9





#61  
4-Chlorophenyl-phenylether  
Concen: 39.035 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

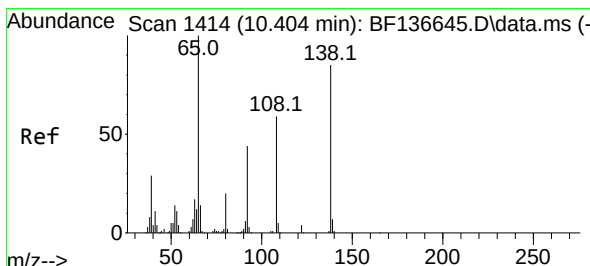
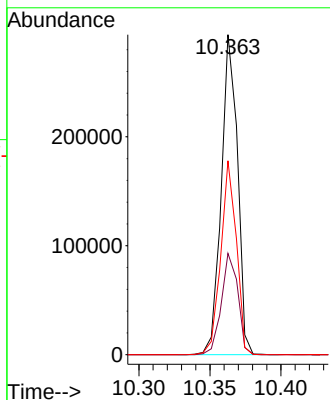
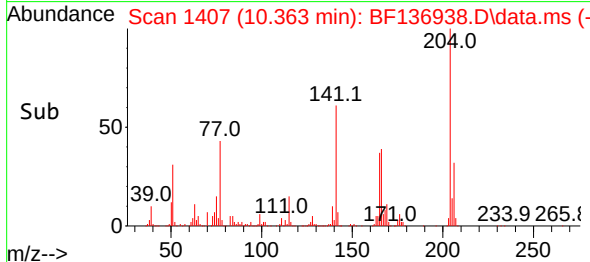
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



Tgt Ion:204 Resp: 23226  
Ion Ratio Lower Upper  
204 100  
206 31.7 25.6 38.4  
141 60.6 48.4 72.6

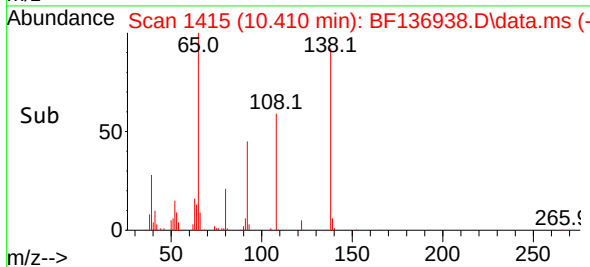
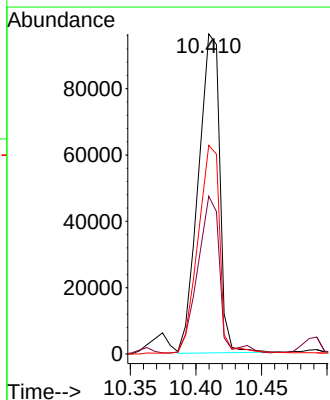
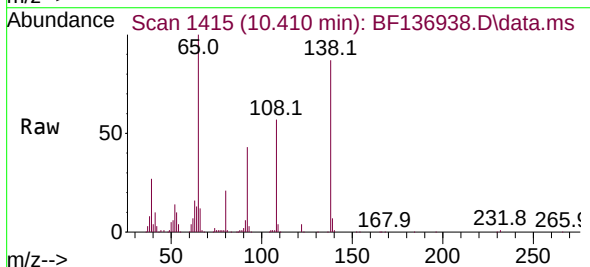
Manual Integrations  
APPROVED

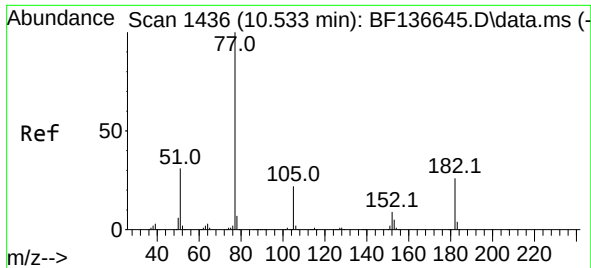
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#62  
4-Nitroaniline  
Concen: 38.472 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:138 Resp: 109662  
Ion Ratio Lower Upper  
138 100  
92 49.3 32.1 72.1  
108 65.2 50.1 90.1





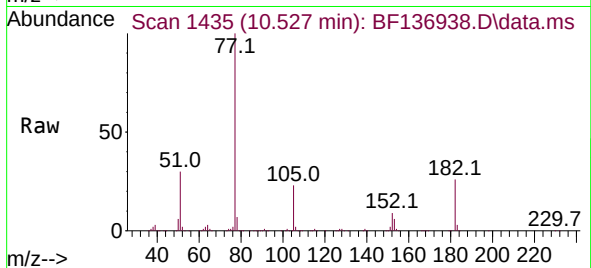
#63  
Azobenzene  
Concen: 38.657 ng  
RT: 10.527 min Scan# 1435  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS



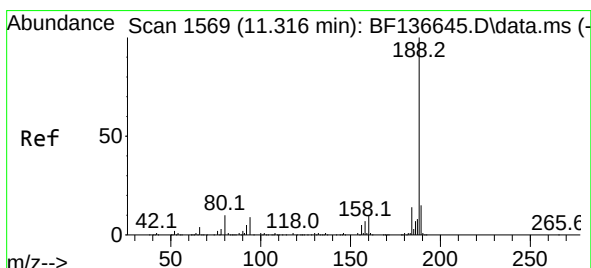
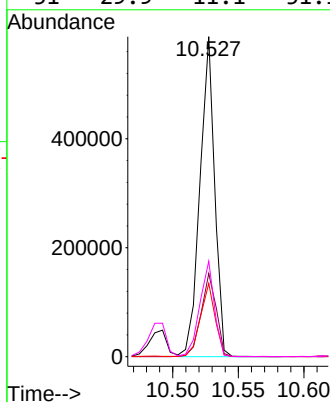
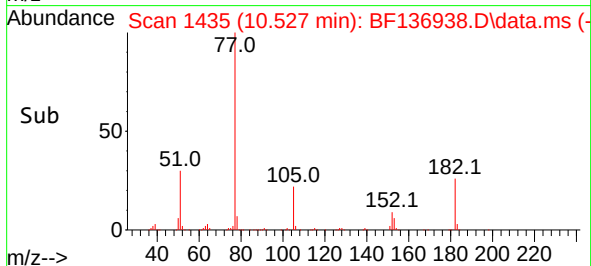
Tgt Ion: 77 Resp: 46074  
Ion Ratio Lower Upper  
77 100  
182 26.0 6.0 46.0  
105 22.9 2.3 42.3  
51 29.9 11.1 51.1

Manual Integrations

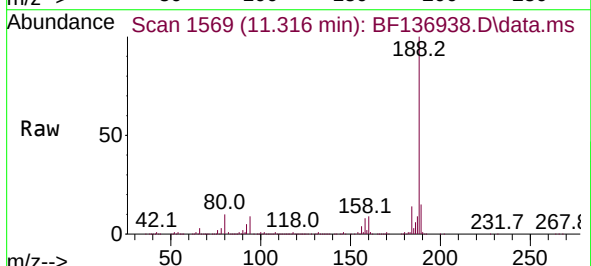
APPROVED

Reviewed By :Yogesh Patel 01/05/2024

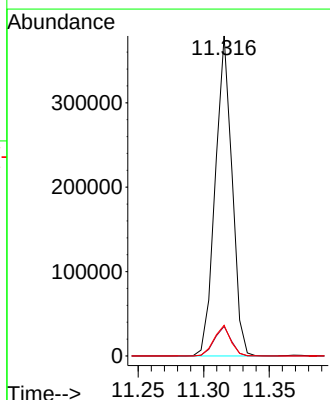
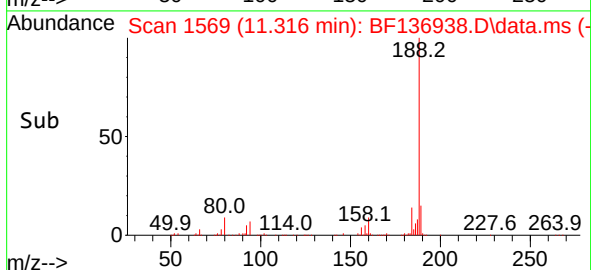
Supervised By :mohammad ahmed 01/05/2024

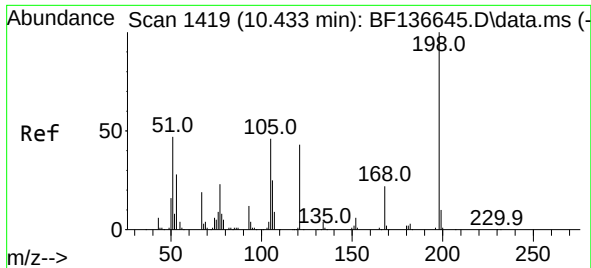


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:188 Resp: 337178  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.5 11.3  
80 9.6 8.1 12.1





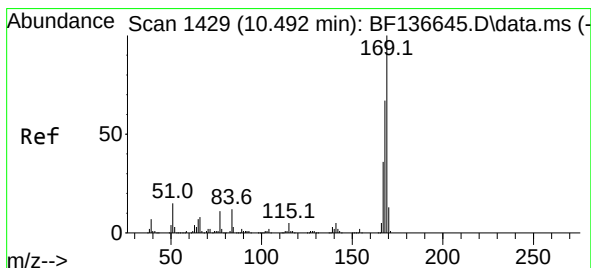
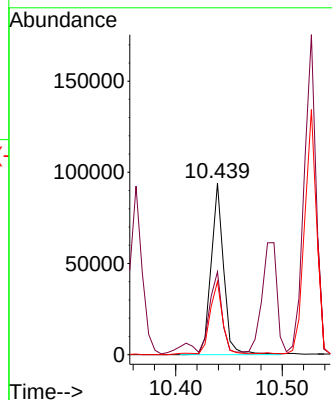
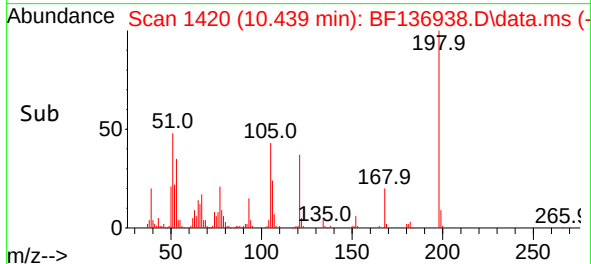
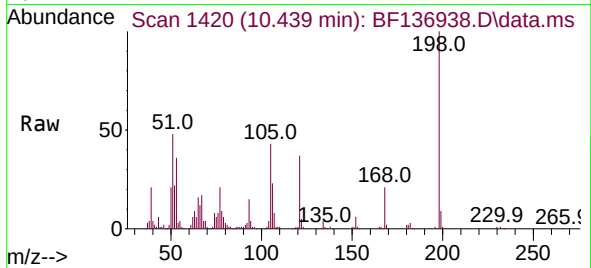
#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.942 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS

Tgt Ion:198 Resp: 7718  
Ion Ratio Lower Upper  
198 100  
51 48.3 34.1 74.1  
105 42.6 27.3 67.3

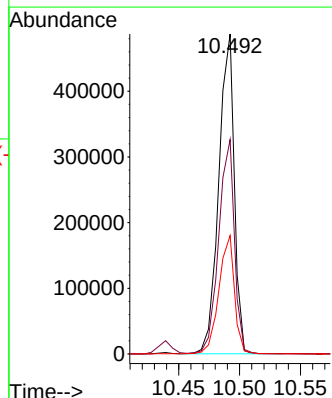
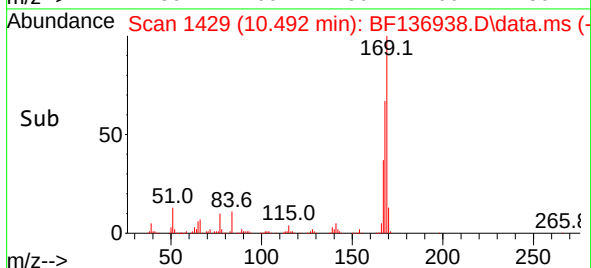
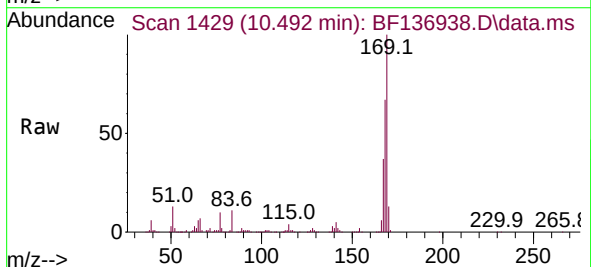
Manual Integrations  
APPROVED

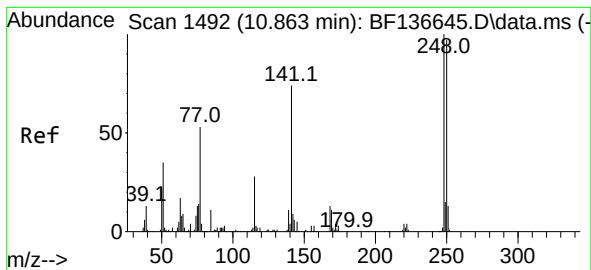
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 39.434 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

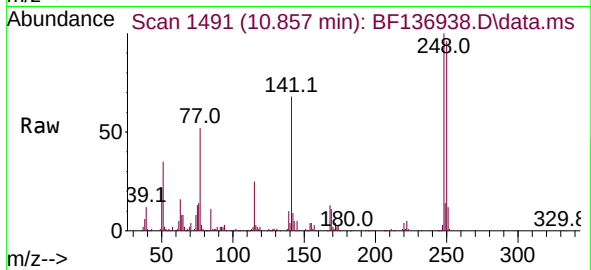
Tgt Ion:169 Resp: 431928  
Ion Ratio Lower Upper  
169 100  
168 67.0 53.8 80.6  
167 37.0 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 38.797 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

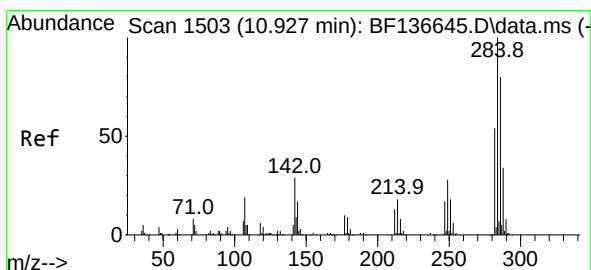
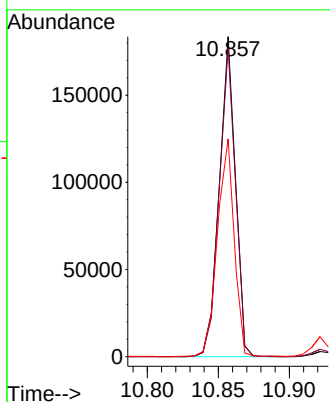
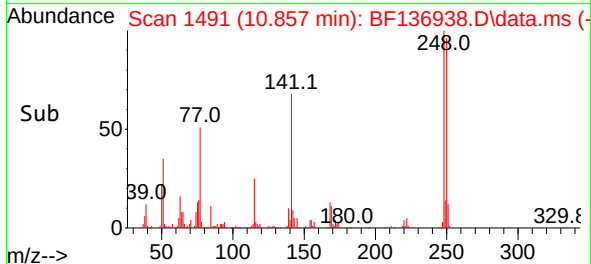
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



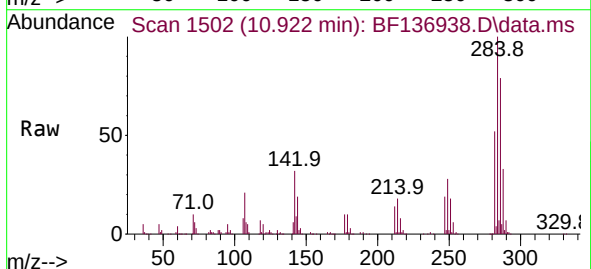
Tgt Ion:248 Resp: 145280  
Ion Ratio Lower Upper  
248 100  
250 96.4 77.8 116.6  
141 68.0 59.2 88.8

Manual Integrations  
APPROVED

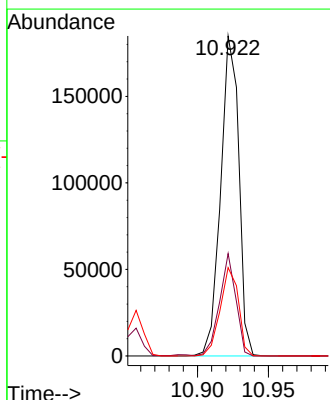
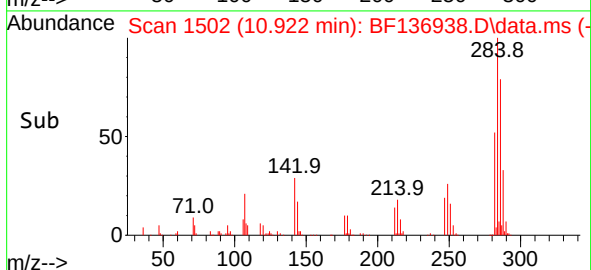
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

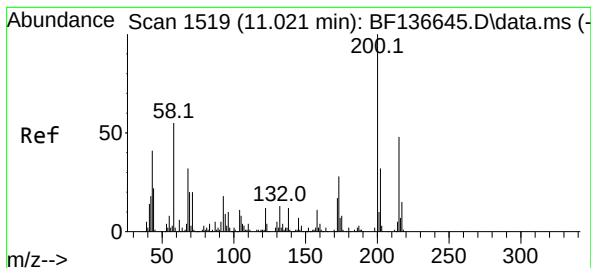


#68  
Hexachlorobenzene  
Concen: 39.262 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:284 Resp: 163841  
Ion Ratio Lower Upper  
284 100  
142 32.0 23.4 35.0  
249 27.6 22.3 33.5





#69

Atrazine

Concen: 72.861 ng

RT: 11.027 min Scan# 1102

Delta R.T. 0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

Tgt Ion:200 Resp: 204118

Ion Ratio Lower Upper

200 100

173 28.9 7.6 47.6

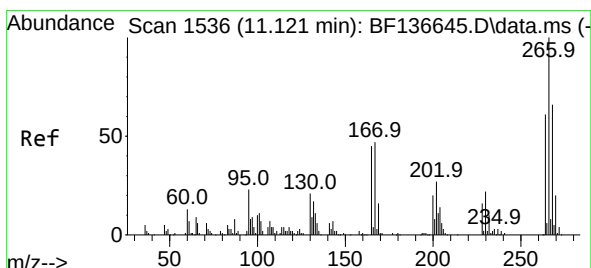
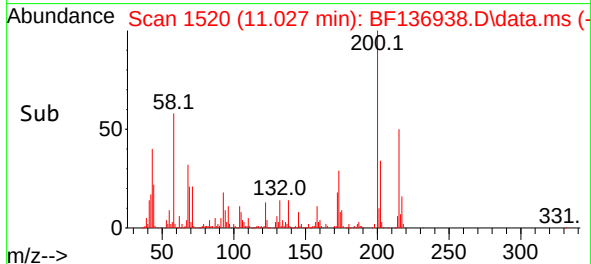
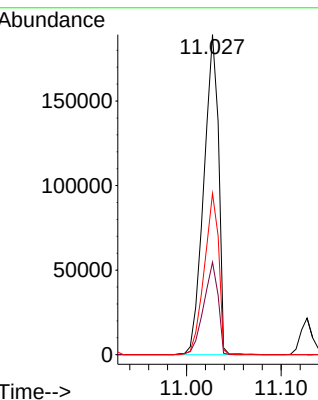
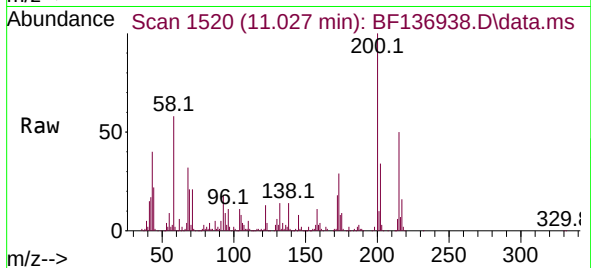
215 50.4 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#70

Pentachlorophenol

Concen: 64.760 ng

RT: 11.127 min Scan# 1537

Delta R.T. 0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

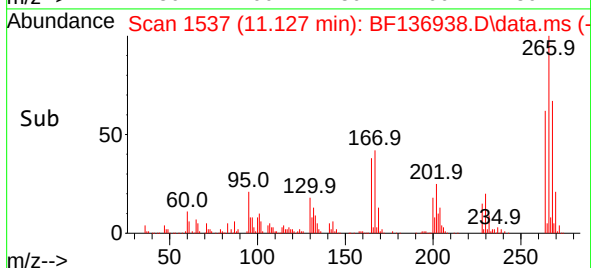
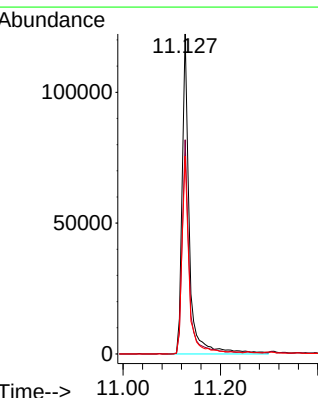
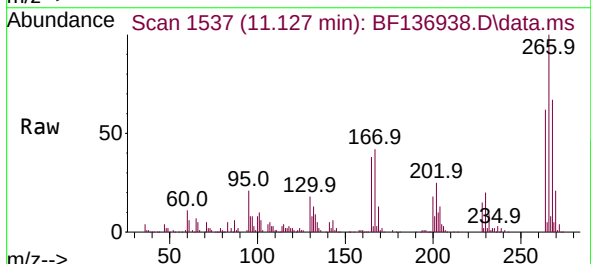
Tgt Ion:266 Resp: 125964

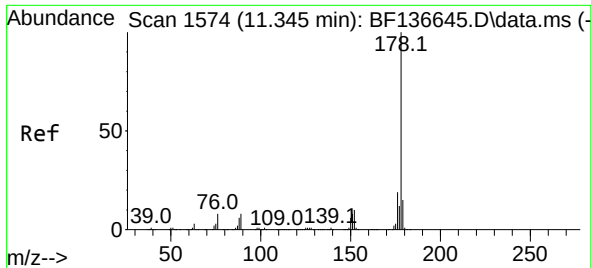
Ion Ratio Lower Upper

266 100

268 66.9 52.6 78.8

264 61.8 49.0 73.4





#71  
Phenanthrene  
Concen: 41.351 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

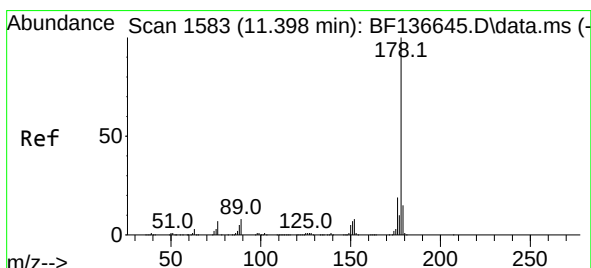
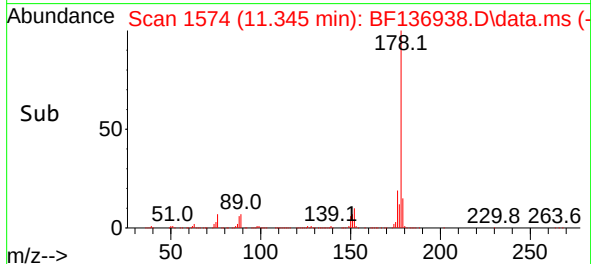
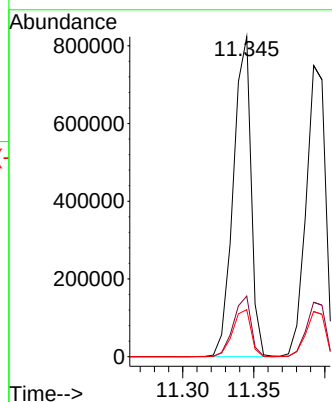
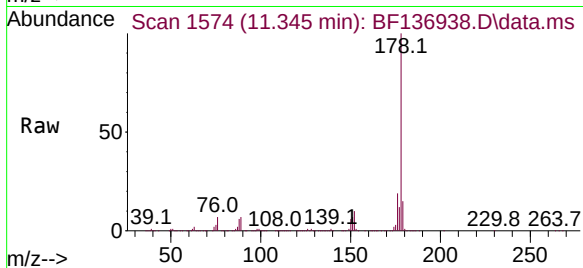
PB158204BS

Tgt Ion:178 Resp: 71540  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 14.7 11.9 17.9

Manual Integrations

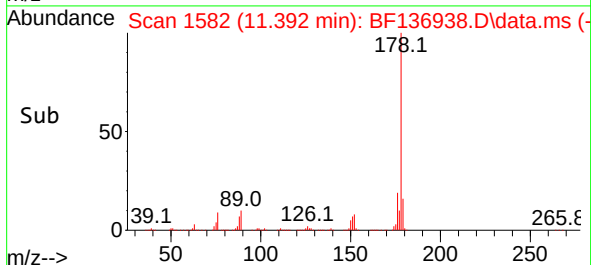
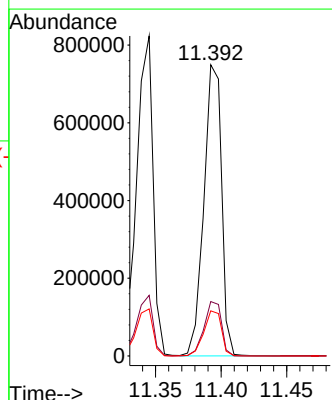
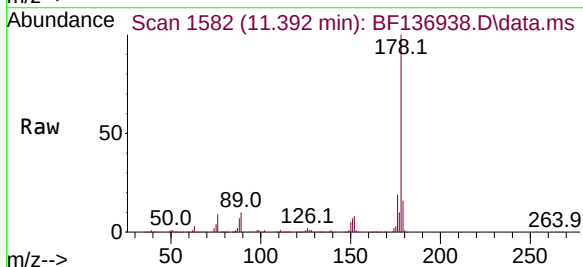
APPROVED

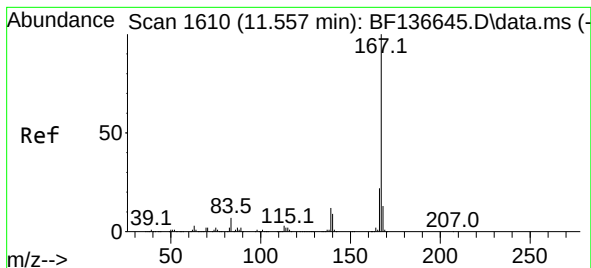
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#72  
Anthracene  
Concen: 40.304 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

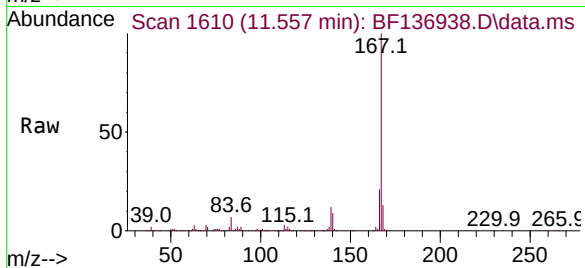
Tgt Ion:178 Resp: 706176  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.9 22.3  
179 15.5 11.8 17.6





#73  
 Carbazole  
 Concen: 39.874 ng  
 RT: 11.557 min Scan# 1610  
 Delta R.T. 0.000 min  
 Lab File: BF136938.D  
 Acq: 04 Jan 2024 13:35

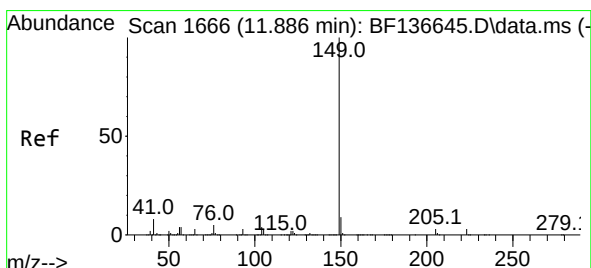
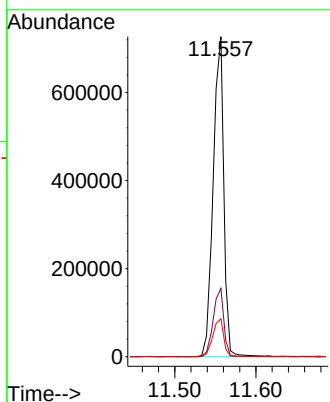
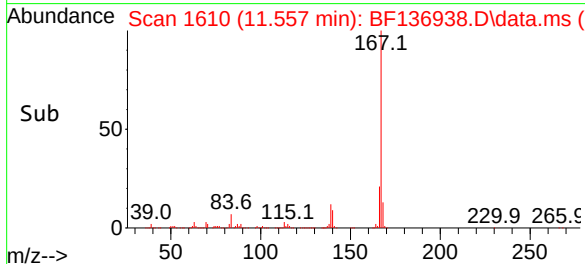
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158204BS



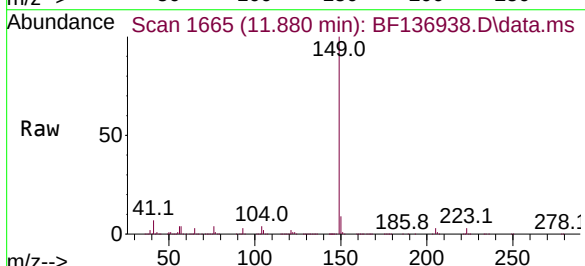
Tgt Ion:167 Resp: 65869  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.3 25.9  
 139 11.9 9.8 14.6

Manual Integrations  
 APPROVED

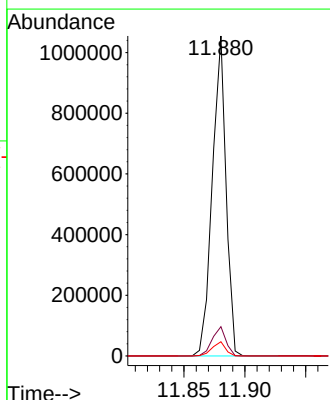
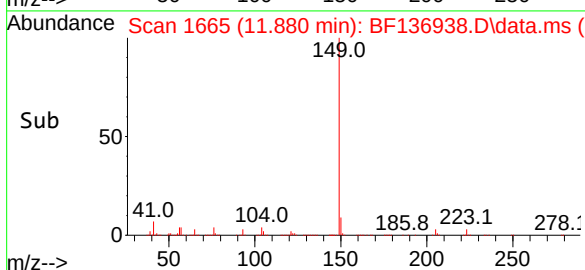
Reviewed By :Yogesh Patel 01/05/2024  
 Supervised By :mohammad ahmed 01/05/2024



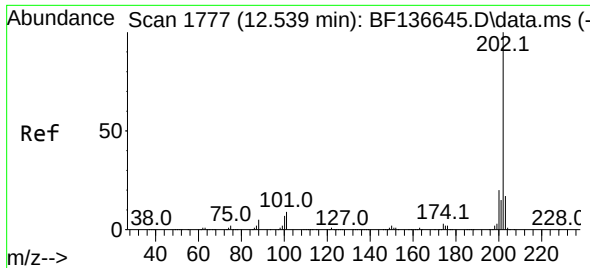
#74  
 Di-n-butylphthalate  
 Concen: 41.140 ng  
 RT: 11.880 min Scan# 1665  
 Delta R.T. -0.006 min  
 Lab File: BF136938.D  
 Acq: 04 Jan 2024 13:35



Tgt Ion:149 Resp: 829271  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.2  
 104 4.5 3.6 5.4

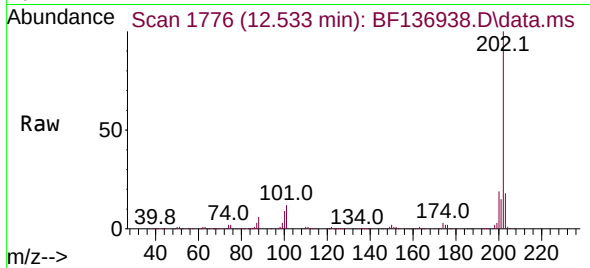






#75  
Fluoranthene  
Concen: 38.937 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

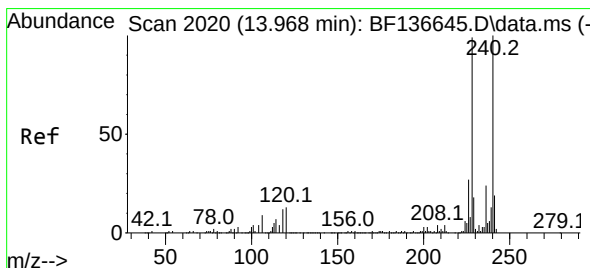
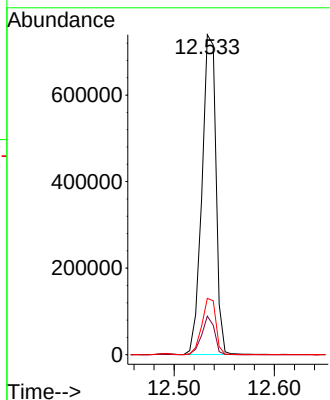
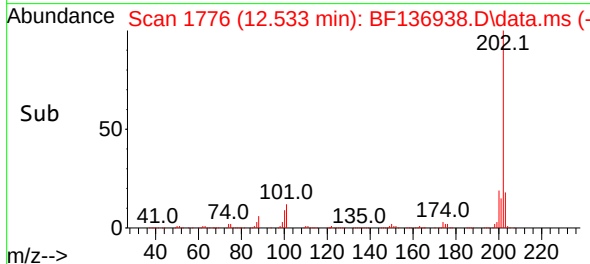
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



Tgt Ion:202 Resp: 72056  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 29.3  
203 17.6 0.0 37.1

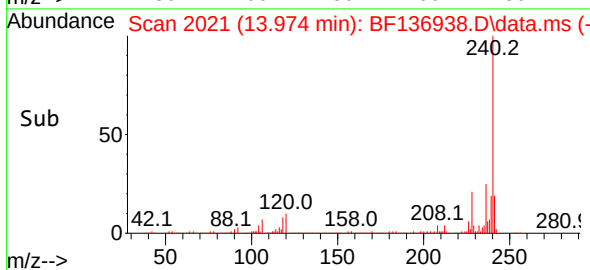
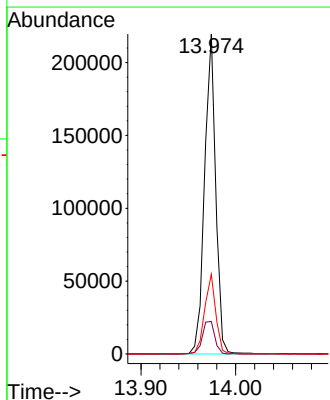
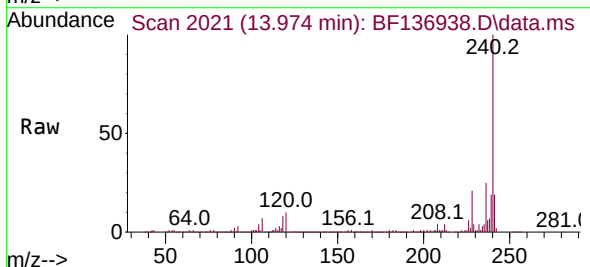
Manual Integrations  
APPROVED

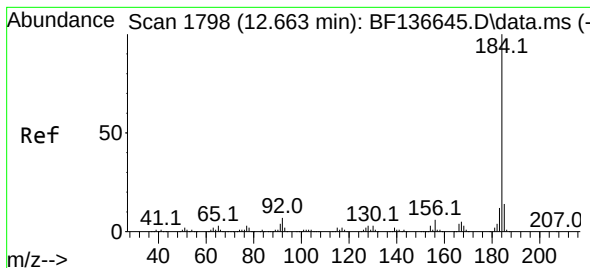
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:240 Resp: 178690  
Ion Ratio Lower Upper  
240 100  
120 10.2 10.3 15.5#  
236 24.9 19.4 29.2





#77

Benzidine

Concen: 30.337 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.000 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

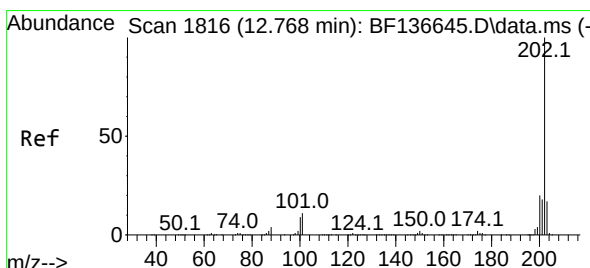
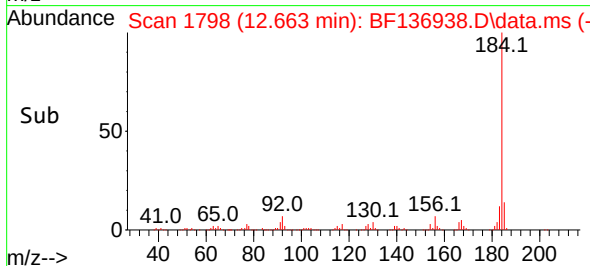
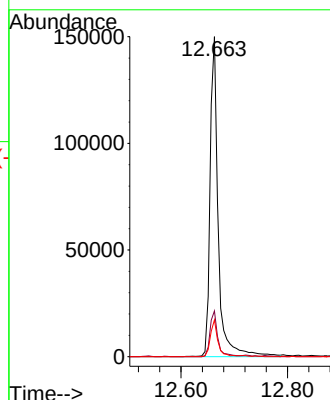
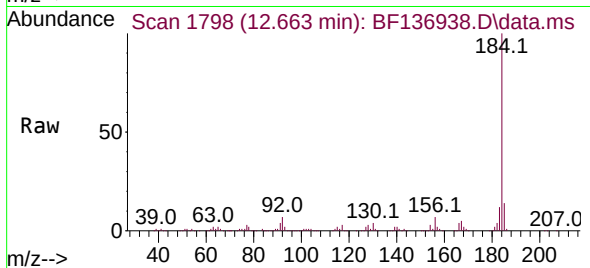
|             |             |
|-------------|-------------|
| Tgt Ion:184 | Resp: 15984 |
| Ion Ratio   | Lower Upper |
| 184 100     |             |
| 185 14.3    | 11.2 16.8   |
| 183 11.5    | 9.3 13.9    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#78

Pyrene

Concen: 41.295 ng

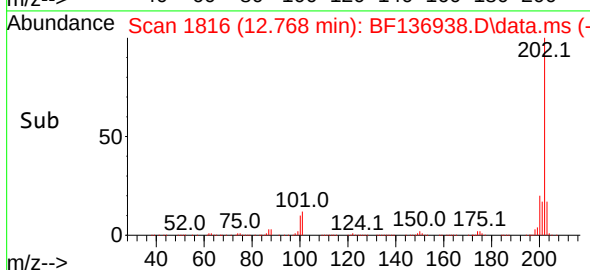
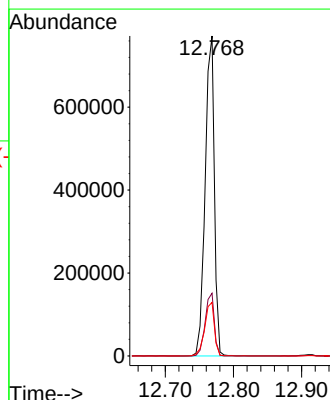
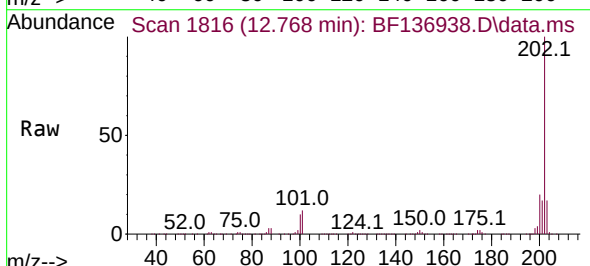
RT: 12.768 min Scan# 1816

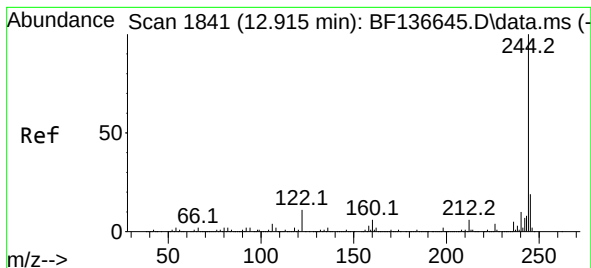
Delta R.T. 0.000 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 724371 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 200 19.6    | 15.9 23.9    |
| 203 16.8    | 13.8 20.6    |





#79

Terphenyl-d14

Concen: 82.338 ng

RT: 12.910 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

Tgt Ion:244 Resp: 105283

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

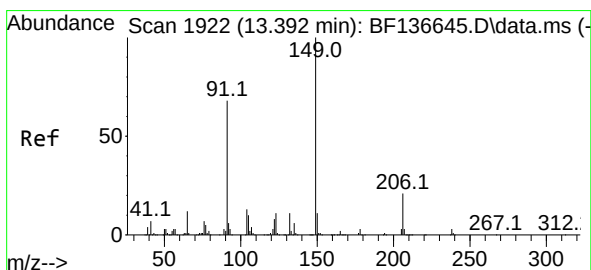
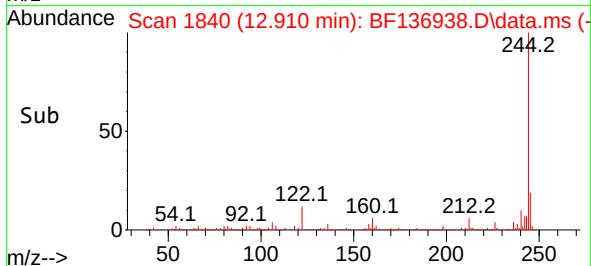
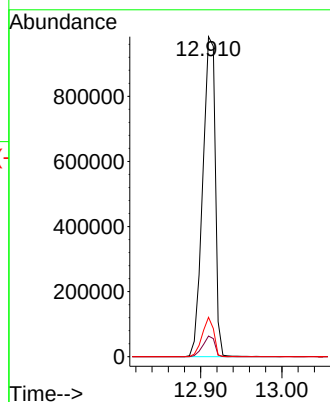
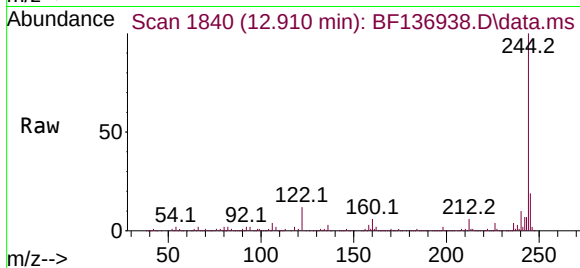
122 12.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#80

Butylbenzylphthalate

Concen: 45.687 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

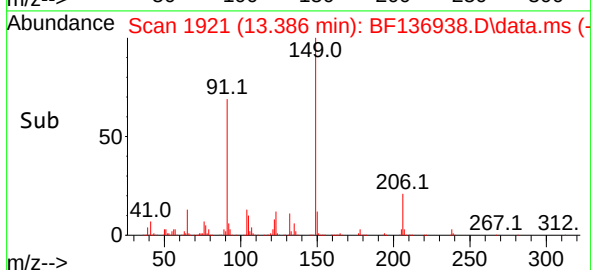
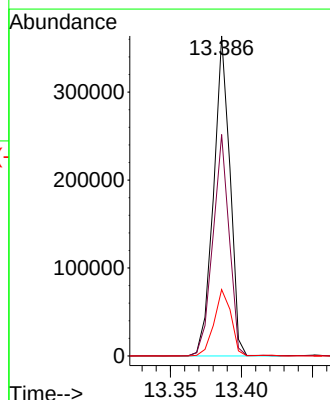
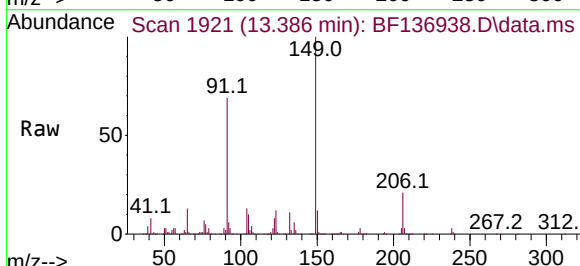
Tgt Ion:149 Resp: 291614

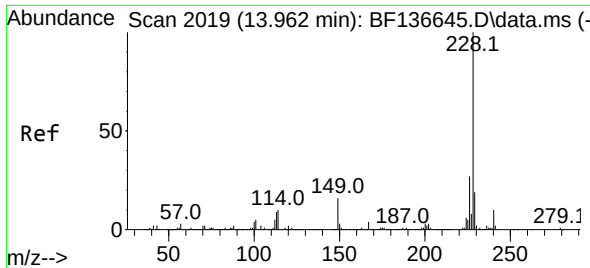
Ion Ratio Lower Upper

149 100

91 69.2 54.1 81.1

206 20.8 17.1 25.7





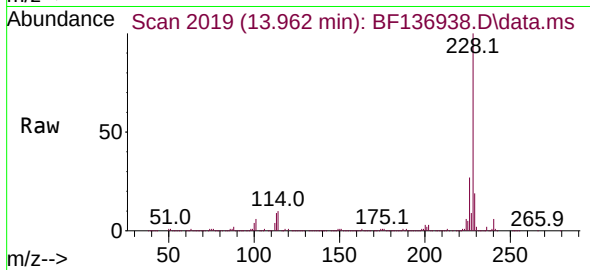
#81  
Benzo(a)anthracene  
Concen: 40.819 ng  
RT: 13.962 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

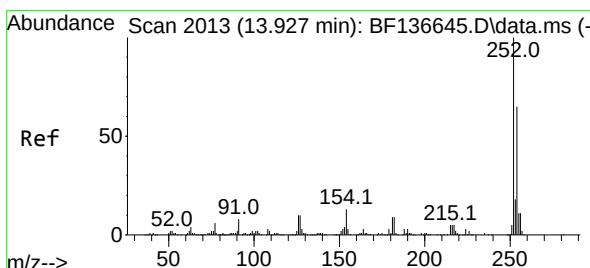
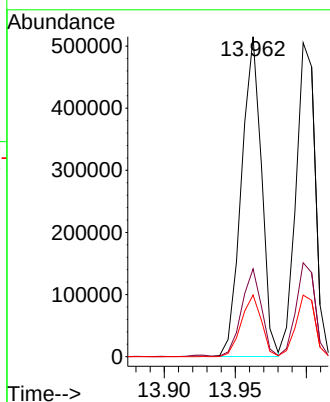
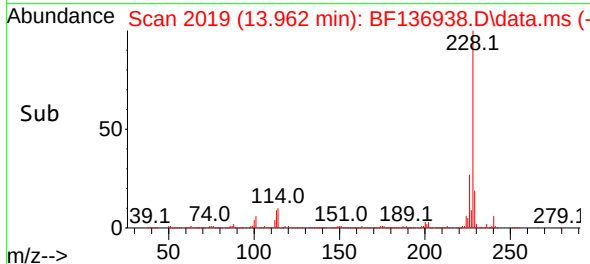


Tgt Ion:228 Resp: 506480  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.4 32.0  
229 19.3 14.9 22.3

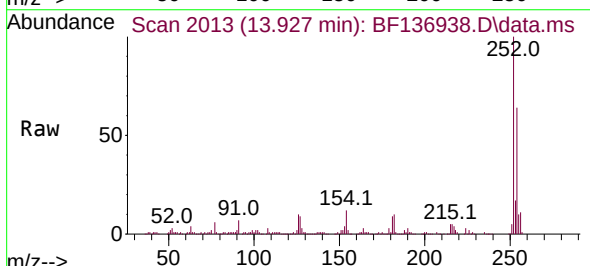
Manual Integrations

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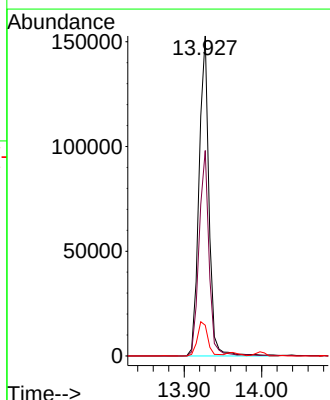
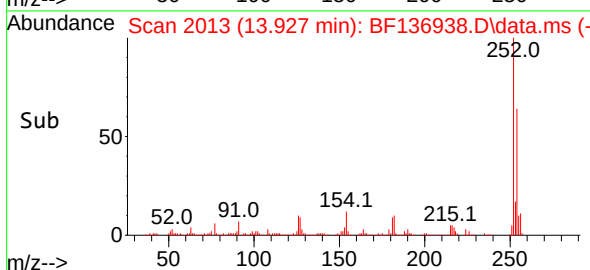
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

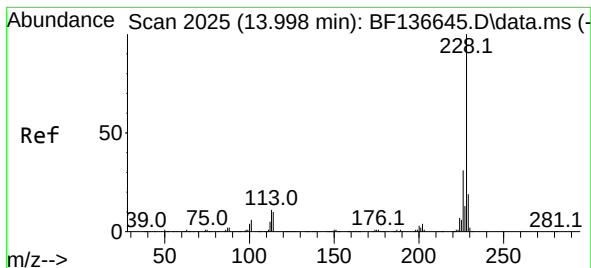


#82  
3,3'-Dichlorobenzidine  
Concen: 38.632 ng  
RT: 13.927 min Scan# 2013  
Delta R.T. 0.000 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:252 Resp: 136132  
Ion Ratio Lower Upper  
252 100  
254 64.2 52.2 78.4  
126 9.6 8.0 12.0





#83

Chrysene

Concen: 39.233 ng

RT: 13.998 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF136938.D

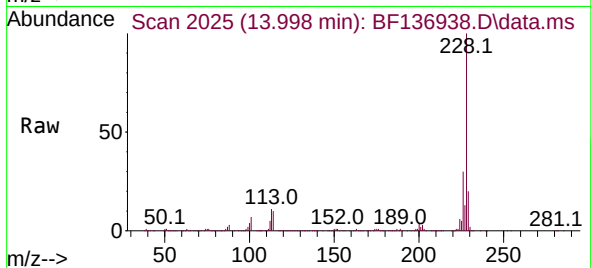
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS



Tgt Ion:228 Resp: 476050

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

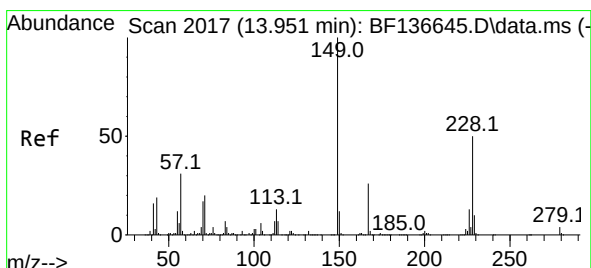
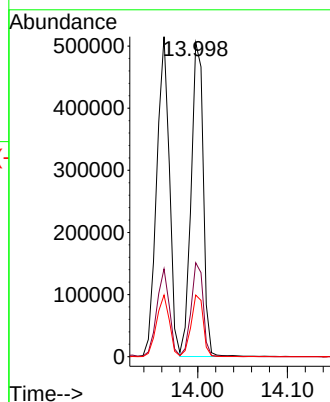
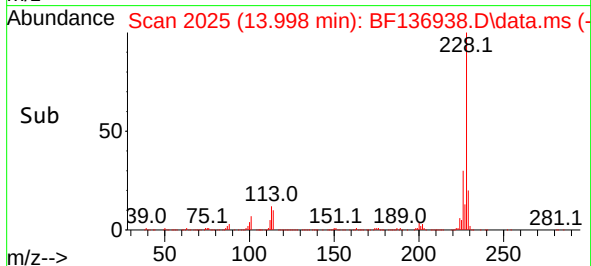
229 19.6 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.874 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

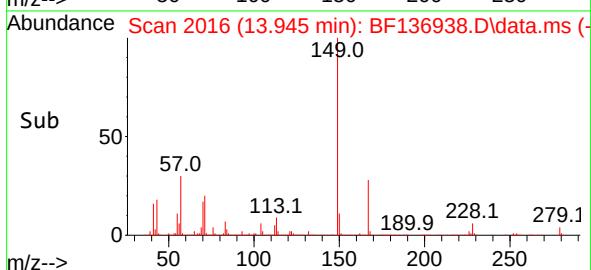
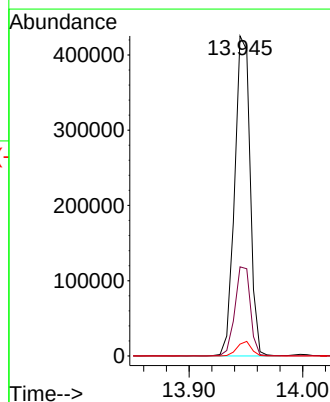
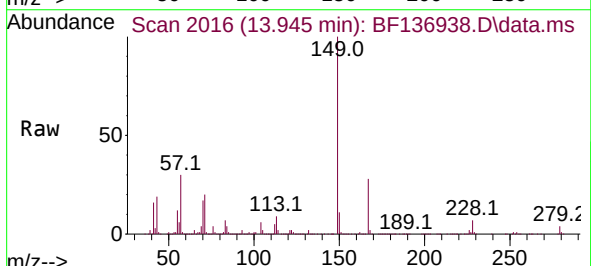
Tgt Ion:149 Resp: 400530

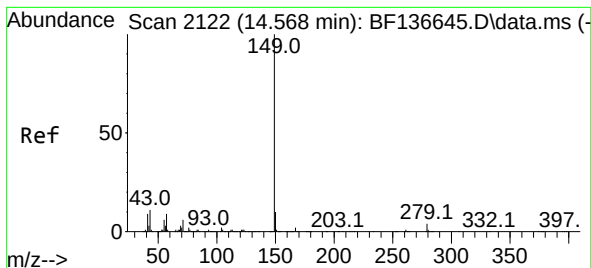
Ion Ratio Lower Upper

149 100

167 27.8 20.9 31.3

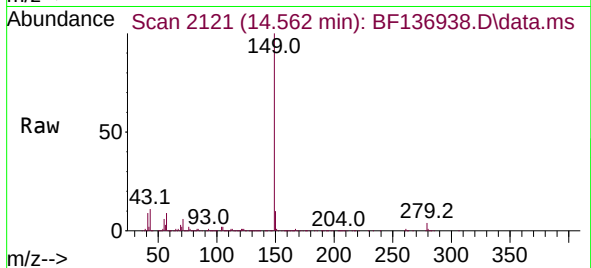
279 3.7 2.9 4.3





#85  
Di-n-octyl phthalate  
Concen: 46.572 ng  
RT: 14.562 min Scan# 2121  
Delta R.T. -0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

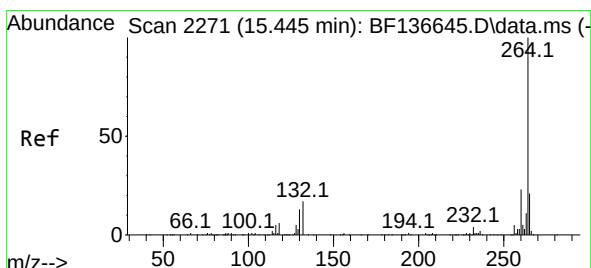
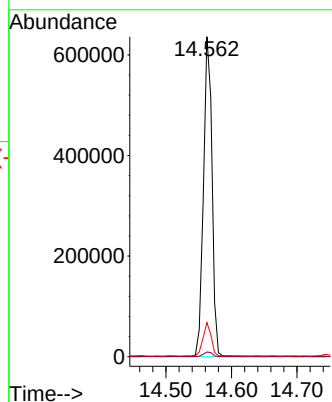
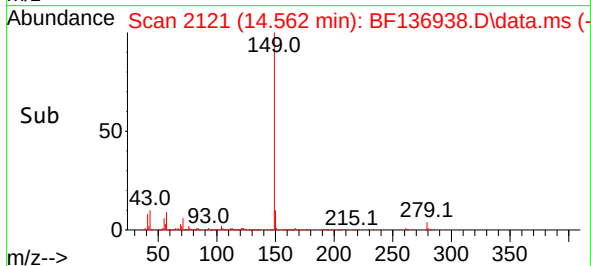
Instrument :  
BNA\_F  
ClientSampleId :  
PB158204BS



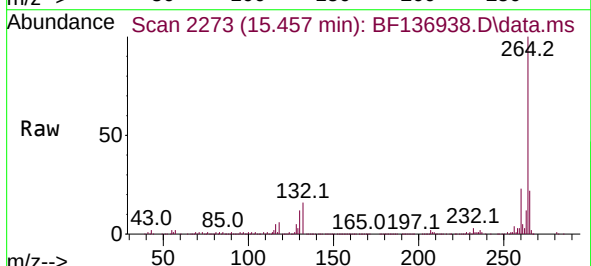
Tgt Ion:149 Resp: 57853  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 10.0 8.9 13.3

Manual Integrations  
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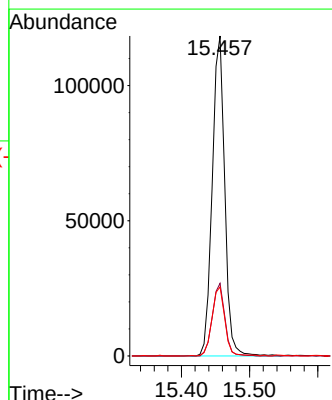
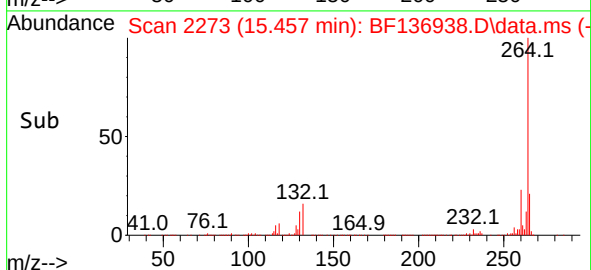
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

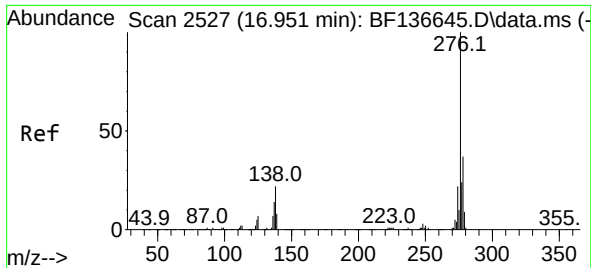


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.457 min Scan# 2273  
Delta R.T. 0.012 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:264 Resp: 151058  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.3 27.5  
265 21.6 17.0 25.6





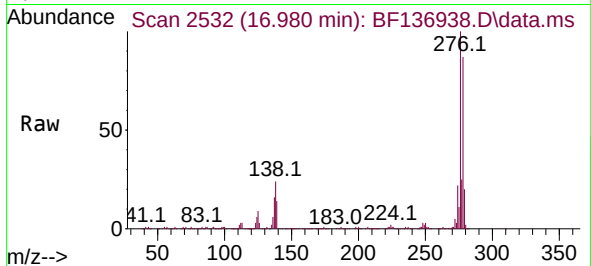
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 43.920 ng  
RT: 16.980 min Scan# 2198  
Delta R.T. 0.029 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

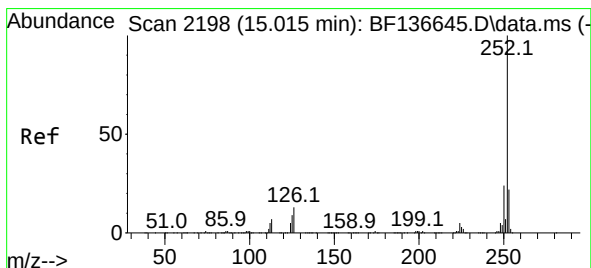
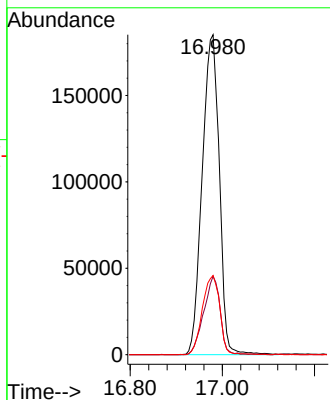
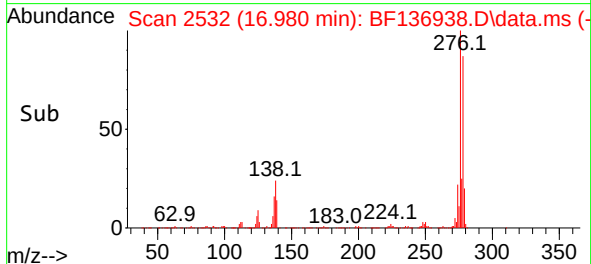


Tgt Ion:276 Resp: 479019  
Ion Ratio Lower Upper  
276 100  
138 23.5 18.7 28.1  
277 25.1 20.2 30.2

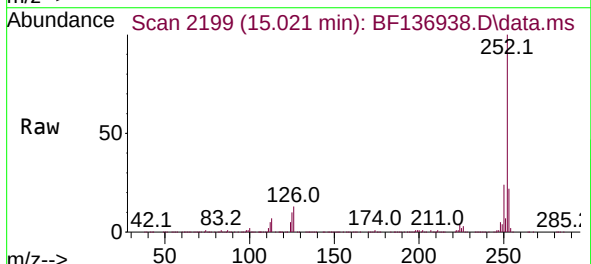
Manual Integrations

APPROVED

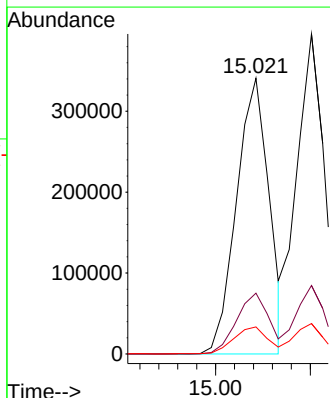
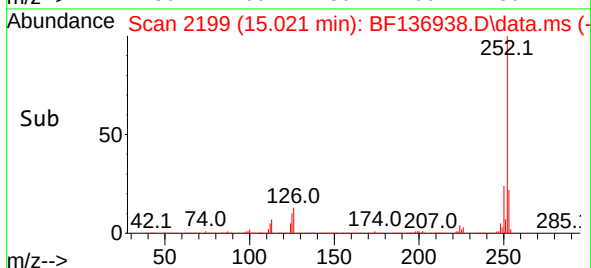
Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024

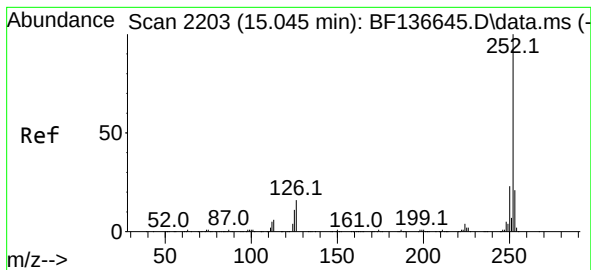


#88  
Benzo(b)fluoranthene  
Concen: 40.401 ng  
RT: 15.021 min Scan# 2199  
Delta R.T. 0.006 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35



Tgt Ion:252 Resp: 407618  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.0  
125 9.8 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 41.734 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

ClientSampleId :

PB158204BS

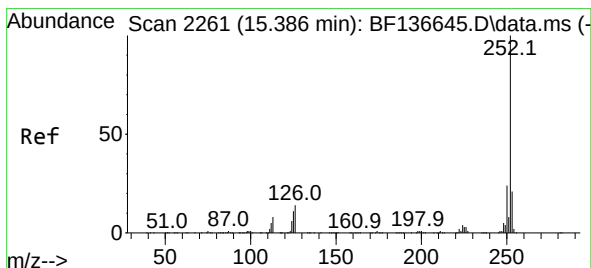
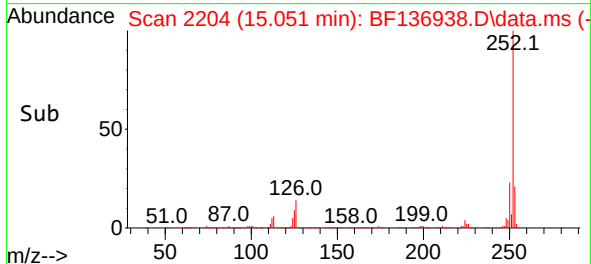
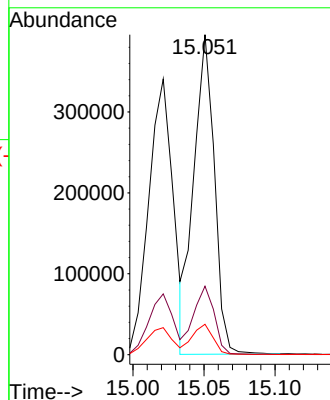
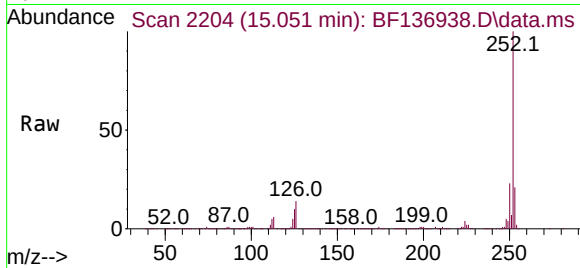
Tgt Ion:252 Resp: 39787  
 Ion Ratio Lower Upper  
 252 100  
 253 21.4 17.0 25.6  
 125 9.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#90

Benzo(a)pyrene

Concen: 41.511 ng

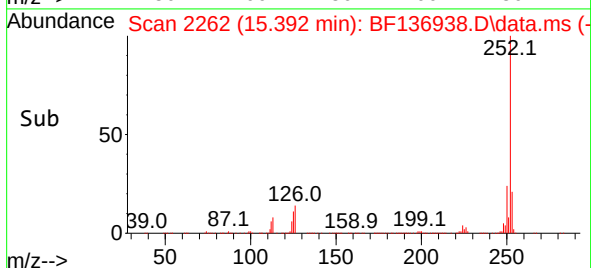
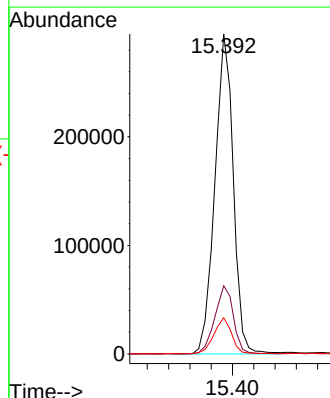
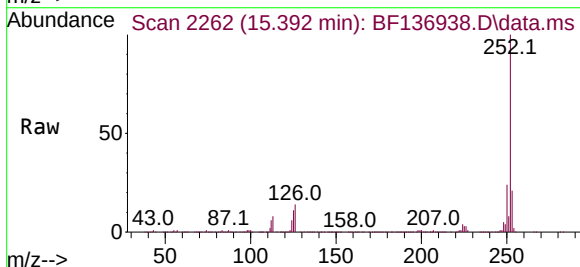
RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

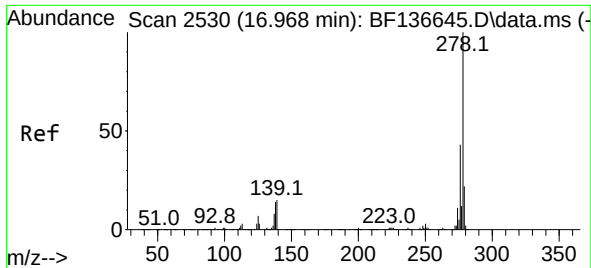
Lab File: BF136938.D

Acq: 04 Jan 2024 13:35

Tgt Ion:252 Resp: 353523  
 Ion Ratio Lower Upper  
 252 100  
 253 21.3 17.0 25.6  
 125 11.3 8.8 13.2







#91  
Dibenzo(a,h)anthracene  
Concen: 44.600 ng  
RT: 16.992 min Scan# 21  
Delta R.T. 0.024 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Instrument :

BNA\_F

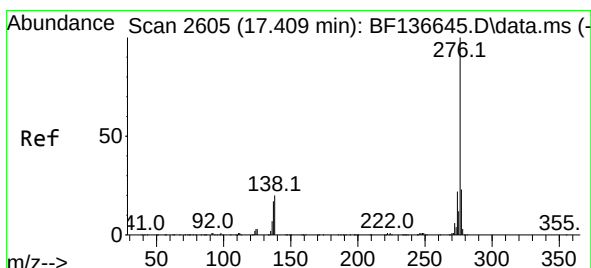
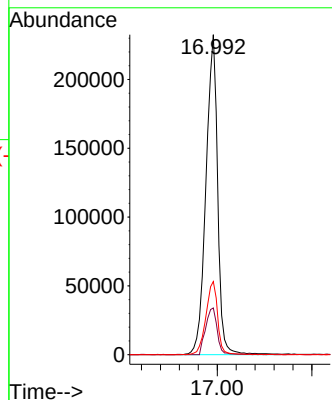
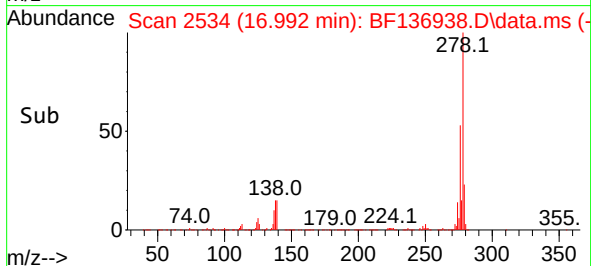
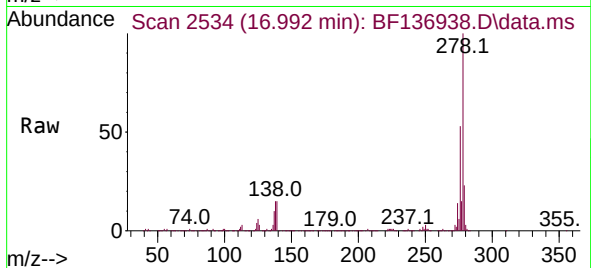
ClientSampleId :

PB158204BS

Tgt Ion:278 Resp: 39907  
Ion Ratio Lower Upper  
278 100  
139 14.6 12.2 18.4  
279 22.9 17.8 26.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 01/05/2024  
Supervised By :mohammad ahmed 01/05/2024



#92  
Benzo(g,h,i)perylene  
Concen: 43.636 ng  
RT: 17.433 min Scan# 2609  
Delta R.T. 0.024 min  
Lab File: BF136938.D  
Acq: 04 Jan 2024 13:35

Tgt Ion:276 Resp: 399900  
Ion Ratio Lower Upper  
276 100  
277 23.0 18.3 27.5  
138 19.8 15.6 23.4

