

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042423\  
 Data File : BF132990.D  
 Acq On : 24 Apr 2023 12:27  
 Operator : CG\JU  
 Sample : PB152338BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152338BS

Manual Integrations  
 APPROVED

Reviewed By : Christian  
 Giraldo

Supervised By : Jagrut  
 Upadhyay  
 04/25/2023

04/25/2023  
 Supervised By : Jagrut  
 Upadhyay

Quant Time: Apr 24 12:51:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 22 03:30:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 194242   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.033  | 136  | 796847   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 404634   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 719044   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.910 | 240  | 501100   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.333 | 264  | 507785   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.363  | 112  | 1131751  | 88.016 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.386  | 99   | 1384370  | 86.739 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 1228242  | 83.199 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 343123   | 84.318 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 2027399  | 83.825 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.857 | 244  | 2331185  | 80.234 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 2.504  | 88   | 225473   | 37.804 | ng    | 100      |
| 3) Pyridine                   | 3.198  | 79   | 580291   | 36.632 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.157  | 42   | 341789   | 41.656 | ng    | 98       |
| 6) Aniline                    | 6.410  | 93   | 697213   | 33.918 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.534  | 128  | 602511   | 46.150 | ng    | 96       |
| 9) Benzaldehyde               | 6.292  | 77   | 355576   | 54.608 | ng    | 98       |
| 10) Phenol                    | 6.404  | 94   | 774216   | 43.972 | ng    | # 74     |
| 11) bis(2-Chloroethyl)ether   | 6.486  | 93   | 576537   | 43.636 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.686  | 146  | 622203   | 44.826 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.763  | 146  | 627281   | 45.092 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.916  | 146  | 607215   | 47.345 | ng    | 96       |
| 15) Benzyl Alcohol            | 6.892  | 79   | 504997   | 45.806 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.028  | 45   | 993859   | 43.309 | ng    | 98       |
| 17) 2-Methylphenol            | 7.010  | 107  | 494186   | 41.338 | ng    | 99       |
| 18) Hexachloroethane          | 7.263  | 117  | 218357   | 45.148 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.169  | 70   | 404767   | 40.737 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.163  | 107  | 599831   | 42.606 | ng    | 99       |
| 22) Acetophenone              | 7.157  | 105  | 802909   | 43.498 | ng    | # 99     |
| 24) Nitrobenzene              | 7.333  | 77   | 626873   | 41.905 | ng    | 98       |
| 25) Isophorone                | 7.575  | 82   | 1149000  | 40.993 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.651  | 139  | 330179   | 45.760 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.692  | 122  | 548547   | 44.336 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.786  | 93   | 684283   | 41.267 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.892  | 162  | 484814   | 43.044 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.975  | 180  | 501228   | 42.955 | ng    | 99       |
| 31) Naphthalene               | 8.057  | 128  | 1671510  | 41.956 | ng    | 99       |
| 32) Benzoic acid              | 7.816  | 122  | 384736   | 50.343 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 235967   | 14.659 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.175  | 225  | 270282   | 41.793 | ng    | 99       |
| 35) Caprolactam               | 8.480  | 113  | 176937m  | 46.763 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.592  | 107  | 528120   | 43.481 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.745  | 142  | 1091588  | 40.077 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.845  | 142  | 1029255  | 40.394 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.916  | 216  | 436524   | 40.124 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.904  | 237  | 612036   | 96.460 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.027  | 196  | 320895   | 42.650 | ng    | 100      |

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|-------------------------------|--------|------|----------|---------|-------|----------|------------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.069  | 196  | 346677   | 39.841  | ng    | 97       | 04/25/2023                         |
| 46) 1,1'-Biphenyl             | 9.210  | 154  | 1323933  | 41.262  | ng    | 99       | Supervised By : Jagrut<br>Upadhyay |
| 47) 2-Chloronaphthalene       | 9.233  | 162  | 1005517  | 42.816  | ng    | 98       |                                    |
| 48) 2-Nitroaniline            | 9.327  | 65   | 332950   | 42.897  | ng    | 91       |                                    |
| 49) Acenaphthylene            | 9.651  | 152  | 1567607  | 41.775  | ng    | 100      |                                    |
| 50) Dimethylphthalate         | 9.516  | 163  | 1142774  | 40.503  | ng    | 99       |                                    |
| 51) 2,6-Dinitrotoluene        | 9.575  | 165  | 271331   | 42.727  | ng    | 87       | 04/25/2023                         |
| 52) Acenaphthene              | 9.822  | 154  | 1136820m | 45.233  | ng    |          |                                    |
| 53) 3-Nitroaniline            | 9.739  | 138  | 202498   | 26.819  | ng    | 97       |                                    |
| 54) 2,4-Dinitrophenol         | 9.845  | 184  | 315620   | 98.879  | ng    | 95       |                                    |
| 55) Dibenzofuran              | 9.992  | 168  | 1407339  | 41.051  | ng    | 98       |                                    |
| 56) 4-Nitrophenol             | 9.910  | 139  | 522370   | 89.323  | ng    | 96       |                                    |
| 57) 2,4-Dinitrotoluene        | 9.974  | 165  | 357867   | 44.190  | ng    | 98       |                                    |
| 58) Fluorene                  | 10.339 | 166  | 1034095  | 41.171  | ng    | 100      |                                    |
| 59) 2,3,4,6-Tetrachlorophenol | 10.110 | 232  | 288591   | 42.779  | ng    | 99       |                                    |
| 60) Diethylphthalate          | 10.216 | 149  | 1083759  | 40.666  | ng    | 99       |                                    |
| 61) 4-Chlorophenyl-phenyle... | 10.327 | 204  | 487336   | 39.815  | ng    | 96       |                                    |
| 62) 4-Nitroaniline            | 10.357 | 138  | 308276   | 44.421  | ng    | 99       |                                    |
| 63) Azobenzene                | 10.486 | 77   | 1133386  | 40.146  | ng    | 98       |                                    |
| 65) 4,6-Dinitro-2-methylph... | 10.380 | 198  | 204926   | 47.020  | ng    | 79       |                                    |
| 66) n-Nitrosodiphenylamine    | 10.451 | 169  | 942412   | 40.405  | ng    | 98       |                                    |
| 67) 4-Bromophenyl-phenylether | 10.816 | 248  | 313349   | 40.181  | ng    | 94       |                                    |
| 68) Hexachlorobenzene         | 10.886 | 284  | 343204   | 42.949  | ng    | 96       |                                    |
| 69) Atrazine                  | 10.980 | 200  | 316632   | 47.113  | ng    | 98       |                                    |
| 70) Pentachlorophenol         | 11.080 | 266  | 430461   | 75.637  | ng    | 98       |                                    |
| 71) Phenanthrene              | 11.298 | 178  | 1598159  | 41.353  | ng    | 99       |                                    |
| 72) Anthracene                | 11.345 | 178  | 1642058  | 41.518  | ng    | 99       |                                    |
| 73) Carbazole                 | 11.504 | 167  | 1507188  | 42.797  | ng    | 100      |                                    |
| 74) Di-n-butylphthalate       | 11.839 | 149  | 1678153  | 42.108  | ng    | 99       |                                    |
| 75) Fluoranthene              | 12.480 | 202  | 1626409  | 41.933  | ng    | 99       |                                    |
| 77) Benzidine                 | 12.604 | 184  | 895787   | 105.712 | ng    | # 93     |                                    |
| 78) Pyrene                    | 12.710 | 202  | 1670887  | 38.898  | ng    | 99       |                                    |
| 80) Butylbenzylphthalate      | 13.333 | 149  | 694314   | 45.650  | ng    | 93       |                                    |
| 81) Benzo(a)anthracene        | 13.898 | 228  | 1417055  | 41.123  | ng    | 99       |                                    |
| 82) 3,3'-Dichlorobenzidine    | 13.862 | 252  | 313081   | 32.889  | ng    | 99       |                                    |
| 83) Chrysene                  | 13.933 | 228  | 1410662  | 40.947  | ng    | 100      |                                    |
| 84) Bis(2-ethylhexyl)phtha... | 13.898 | 149  | 834698   | 43.723  | ng    | 99       |                                    |
| 85) Di-n-octyl phthalate      | 14.509 | 149  | 1632982  | 52.459  | ng    | 99       |                                    |
| 87) Indeno(1,2,3-cd)pyrene    | 16.721 | 276  | 1326488  | 45.925  | ng    | 99       |                                    |
| 88) Benzo(b)fluoranthene      | 14.927 | 252  | 1426589  | 44.160  | ng    | 99       |                                    |
| 89) Benzo(k)fluoranthene      | 14.957 | 252  | 1345706  | 42.023  | ng    | 98       |                                    |
| 90) Benzo(a)pyrene            | 15.274 | 252  | 1196455  | 40.690  | ng    | 99       |                                    |
| 91) Dibenzo(a,h)anthracene    | 16.739 | 278  | 1114466  | 46.262  | ng    | 100      |                                    |
| 92) Benzo(g,h,i)perylene      | 17.145 | 276  | 1090847  | 45.866  | ng    | 98       |                                    |

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

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 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

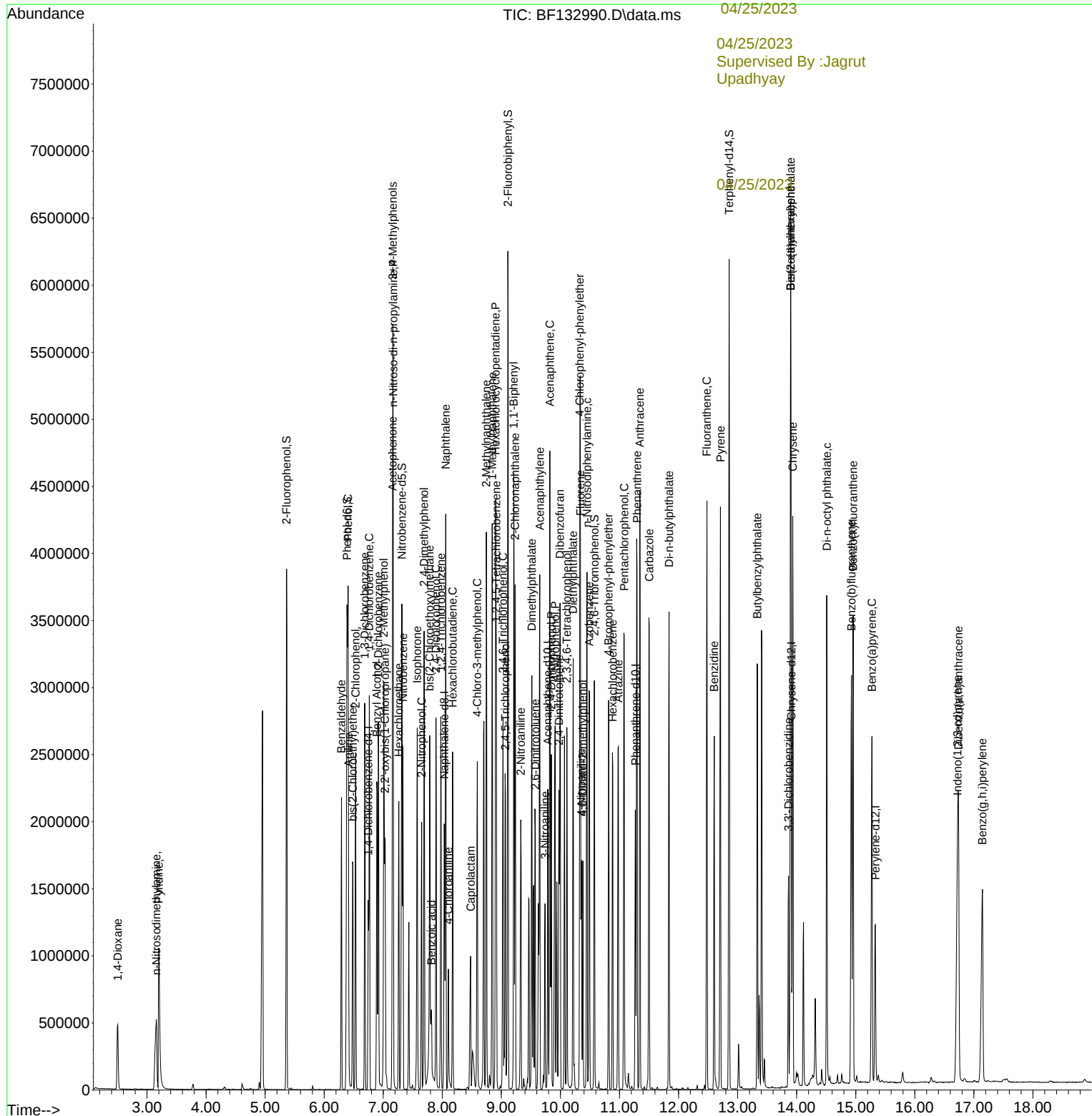
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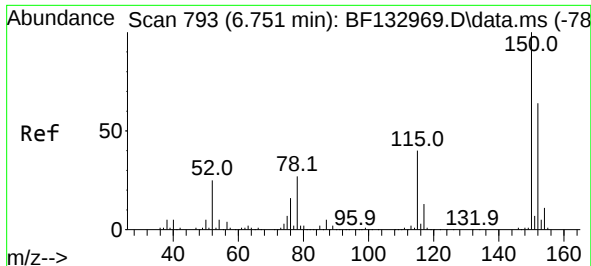
### Manual Integrations APPROVED

Reviewed By :Christian  
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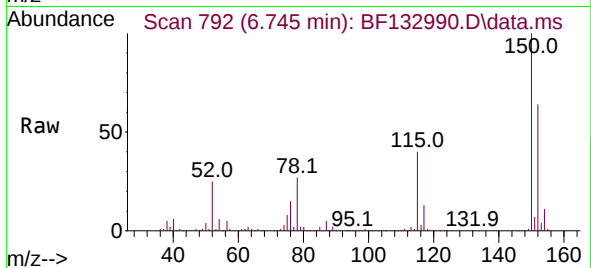
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.745 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:152 Resp: 19424  
Ion Ratio Lower Upper  
152 100  
150 156.1 124.8 187.2  
115 62.1 49.9 74.9

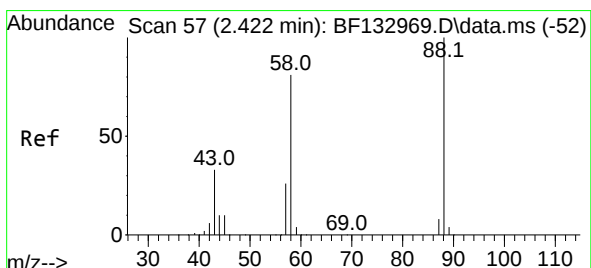
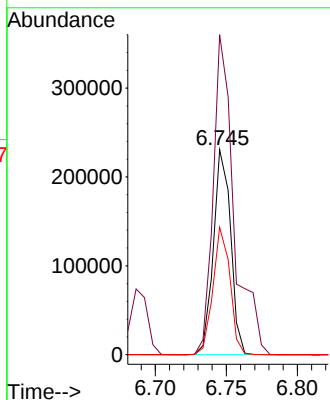
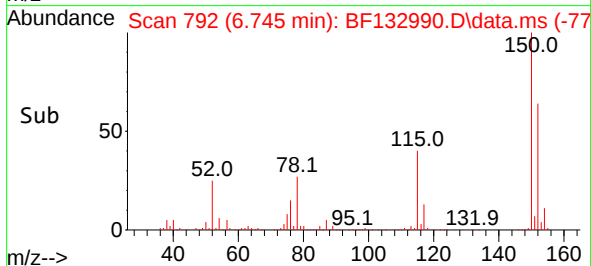
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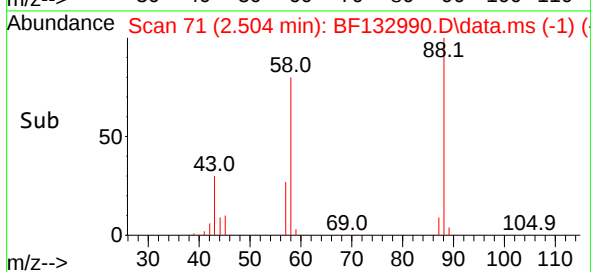
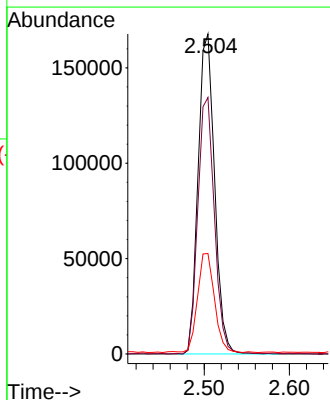
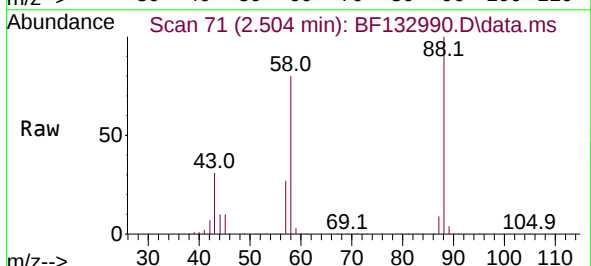
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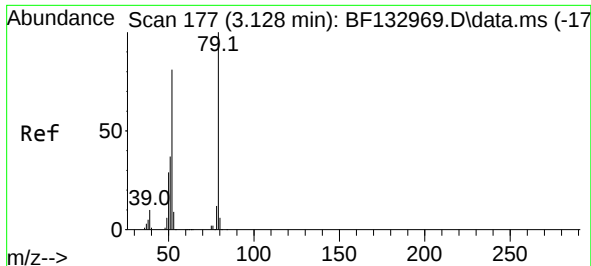
04/25/2023



#2  
1,4-Dioxane  
Concen: 37.804 ng  
RT: 2.504 min Scan# 71  
Delta R.T. 0.082 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

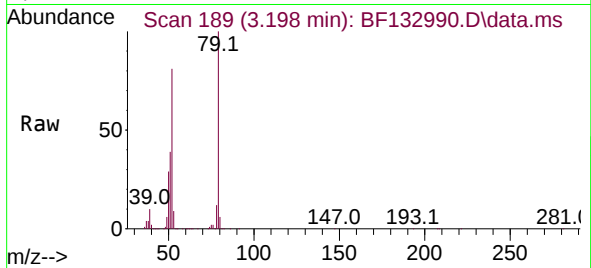
Tgt Ion: 88 Resp: 225473  
Ion Ratio Lower Upper  
88 100  
58 80.9 64.7 97.1  
43 32.1 26.2 39.2





#3  
Pyridine  
Concen: 36.632 ng  
RT: 3.198 min Scan# 189  
Delta R.T. 0.070 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

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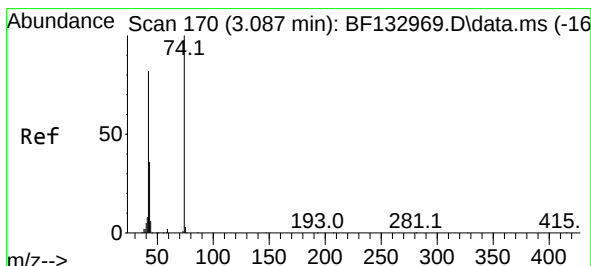
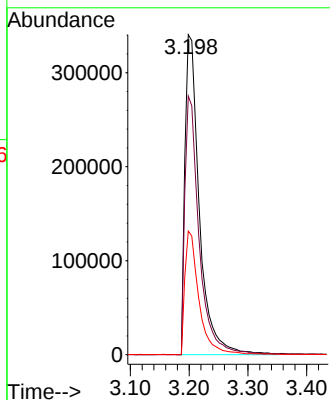
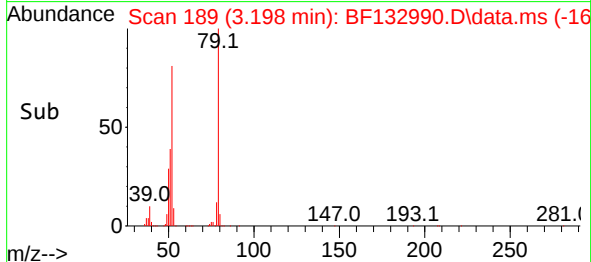
Tgt Ion: 79 Resp: 58029  
Ion Ratio Lower Upper  
79 100  
52 80.8 64.6 96.8  
51 38.7 30.0 45.0

Manual Integrations  
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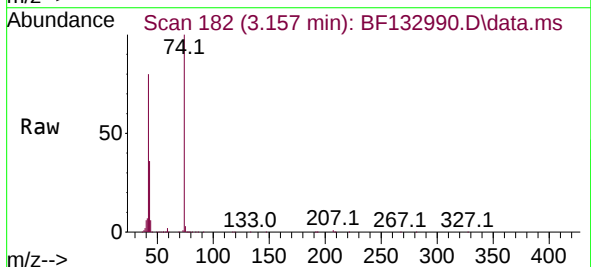
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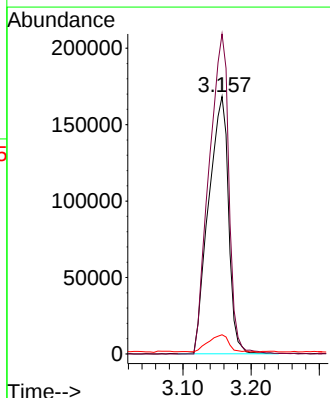
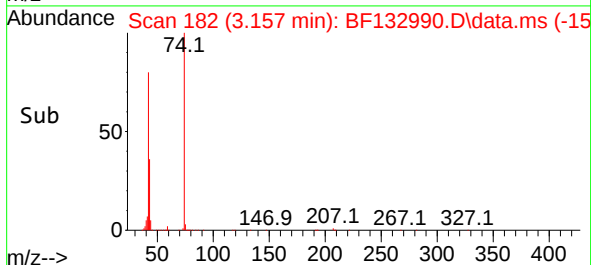
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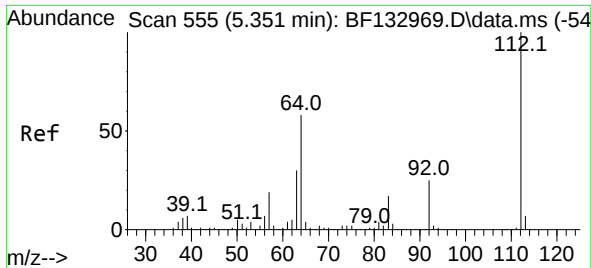


#4  
n-Nitrosodimethylamine  
Concen: 41.656 ng  
RT: 3.157 min Scan# 182  
Delta R.T. 0.070 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



Tgt Ion: 42 Resp: 341789  
Ion Ratio Lower Upper  
42 100  
74 124.3 98.0 147.0  
44 7.4 5.8 8.8





#5  
2-Fluorophenol  
Concen: 88.016 ng  
RT: 5.363 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

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Tgt Ion:112 Resp: 113175  
Ion Ratio Lower Upper  
112 100  
64 59.5 46.8 70.2  
63 30.4 23.8 35.8

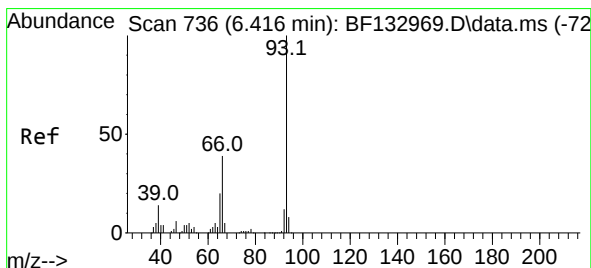
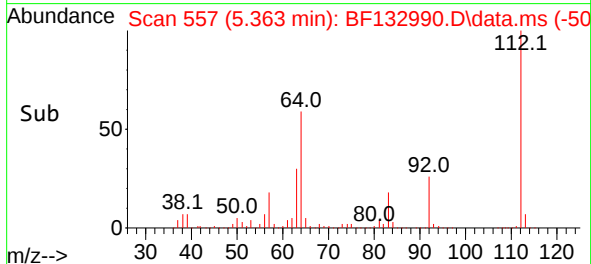
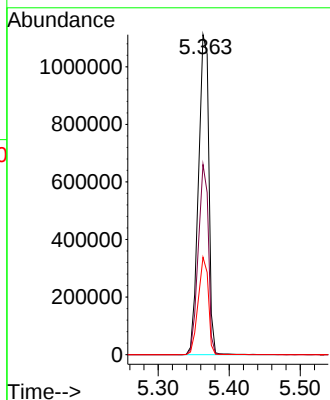
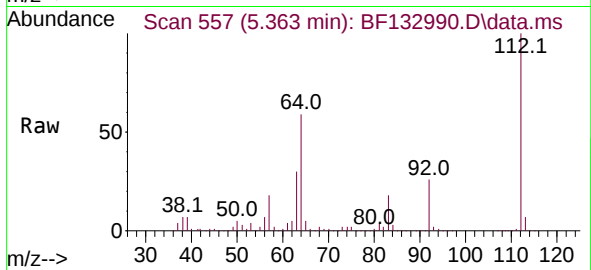
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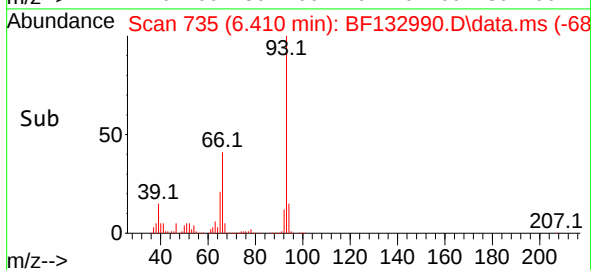
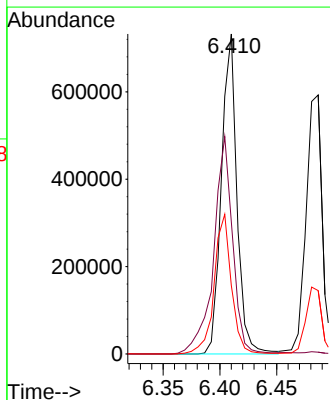
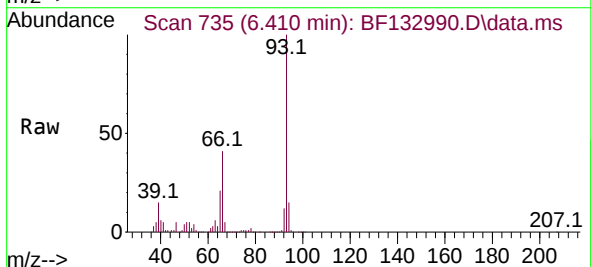
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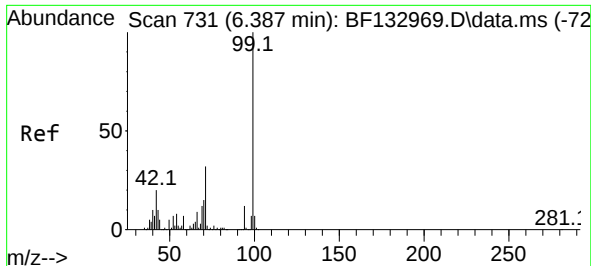
04/25/2023



#6  
Aniline  
Concen: 33.918 ng  
RT: 6.410 min Scan# 735  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion: 93 Resp: 697213  
Ion Ratio Lower Upper  
93 100  
66 41.3 31.5 47.3  
65 21.4 16.4 24.6





#7

Phenol-d6

Concen: 86.739 ng

RT: 6.386 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Instrument :

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Tgt Ion: 99 Resp: 1384370

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.1  | 16.3  | 24.5  |
| 71  | 31.6  | 25.6  | 38.4  |

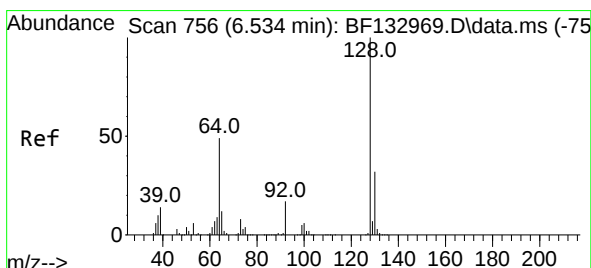
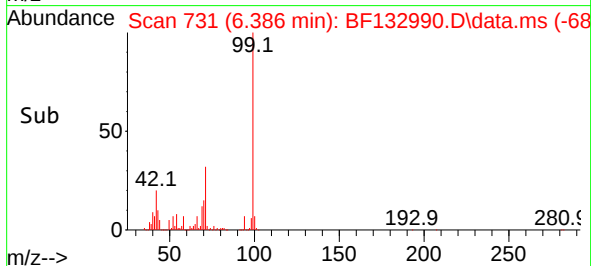
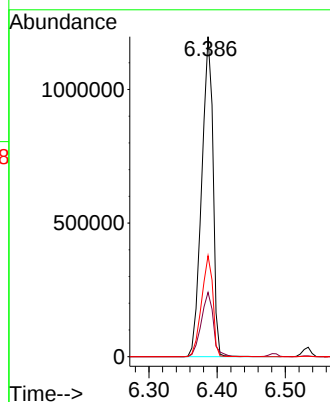
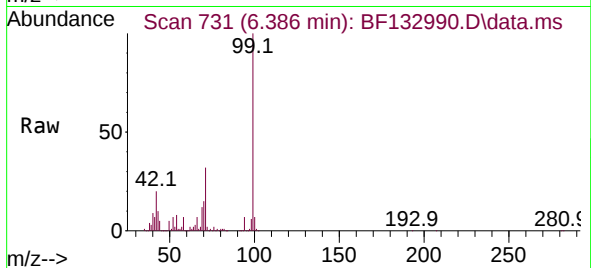
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#8

2-Chlorophenol

Concen: 46.150 ng

RT: 6.534 min Scan# 756

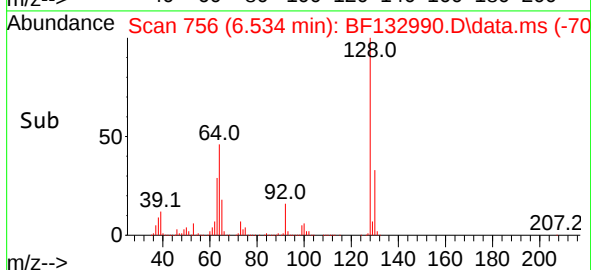
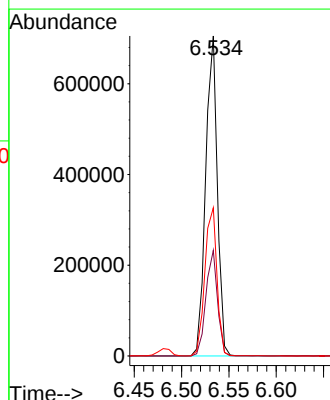
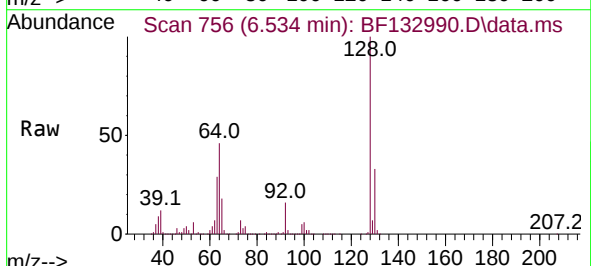
Delta R.T. -0.000 min

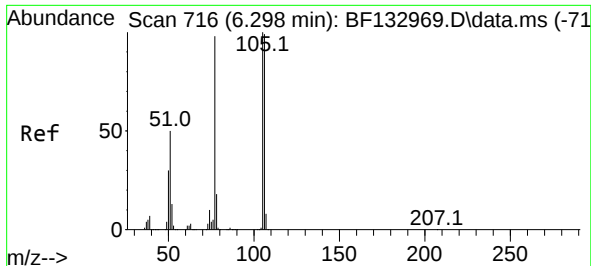
Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Tgt Ion:128 Resp: 602511

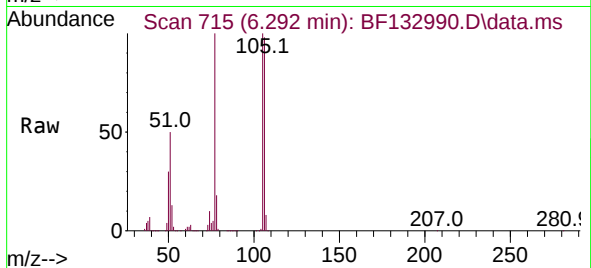
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.0  | 12.2  | 52.2  |
| 64  | 46.3  | 30.3  | 70.3  |





#9  
Benzaldehyde  
Concen: 54.608 ng  
RT: 6.292 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



Tgt Ion: 77 Resp: 355570  
Ion Ratio Lower Upper  
77 100  
105 100.0 82.3 122.3  
106 98.2 80.8 120.8

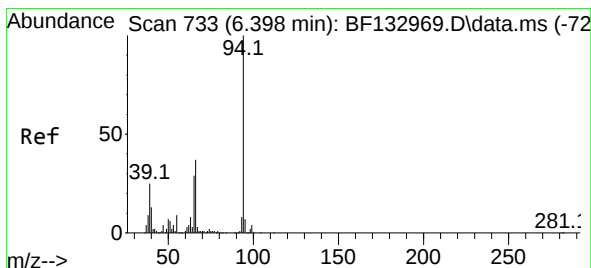
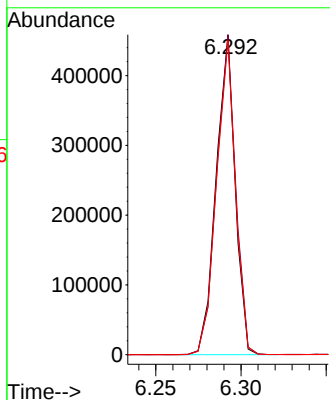
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

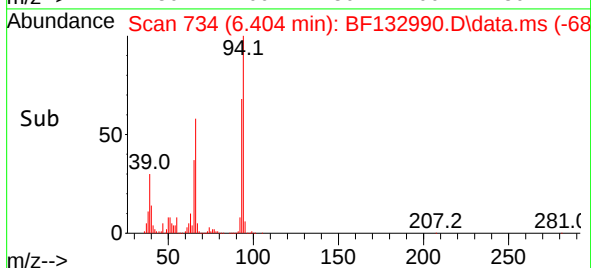
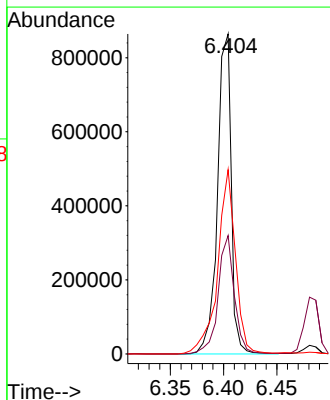
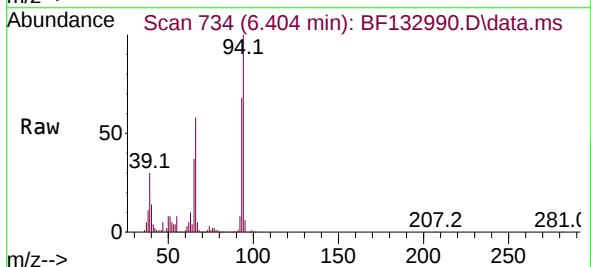
04/25/2023  
Supervised By :Jagrut  
Upadhyay

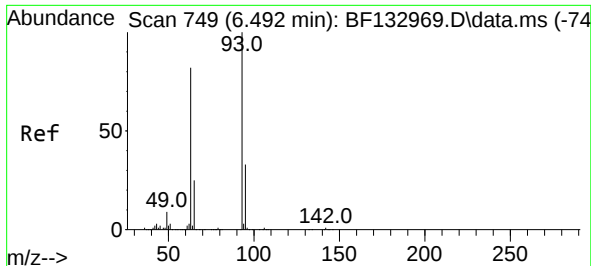
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#10  
Phenol  
Concen: 43.972 ng  
RT: 6.404 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

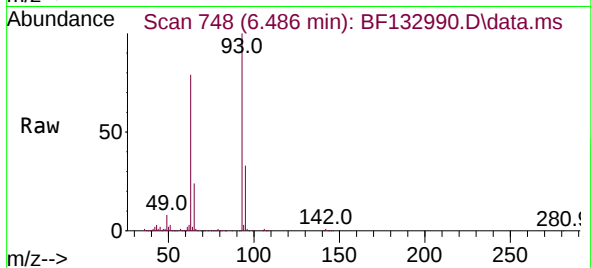
Tgt Ion: 94 Resp: 774216  
Ion Ratio Lower Upper  
94 100  
65 37.0 8.6 48.6  
66 57.6 17.3 57.3#





#11  
bis(2-Chloroethyl)ether  
Concen: 43.636 ng  
RT: 6.486 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



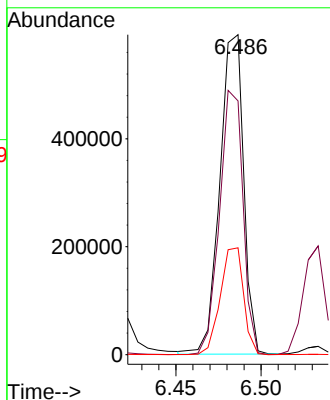
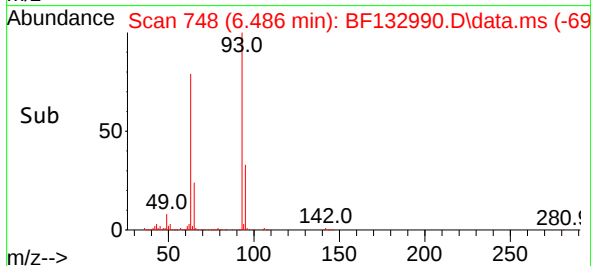
Tgt Ion: 93 Resp: 57653  
Ion Ratio Lower Upper  
93 100  
63 79.3 60.6 100.6  
95 33.4 12.9 52.9

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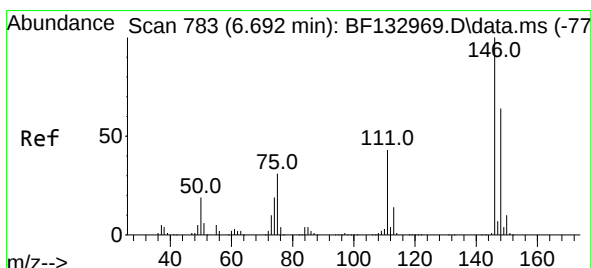
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
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04/25/2023

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Supervised By :Jagrut  
Upadhyay

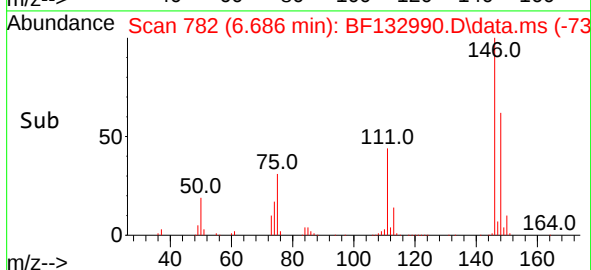
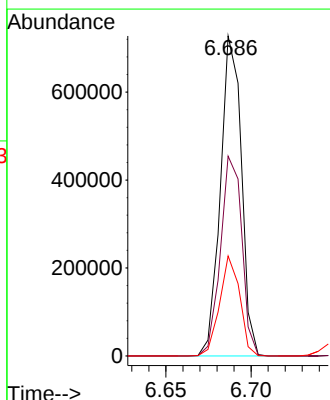
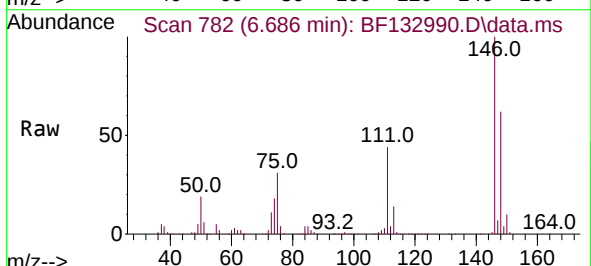


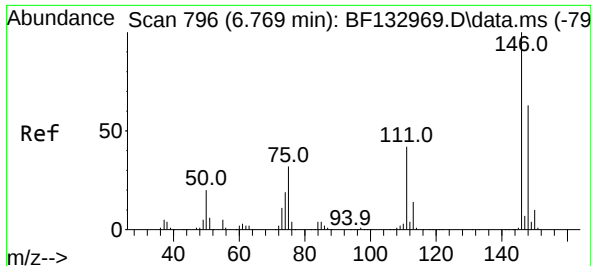
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#12  
1,3-Dichlorobenzene  
Concen: 44.826 ng  
RT: 6.686 min Scan# 782  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:146 Resp: 622203  
Ion Ratio Lower Upper  
146 100  
148 62.4 51.0 76.4  
75 31.2 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 45.092 ng

RT: 6.763 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:146 Resp: 62728

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.6  | 50.3  | 75.5  |
| 111 | 42.5  | 33.8  | 50.6  |

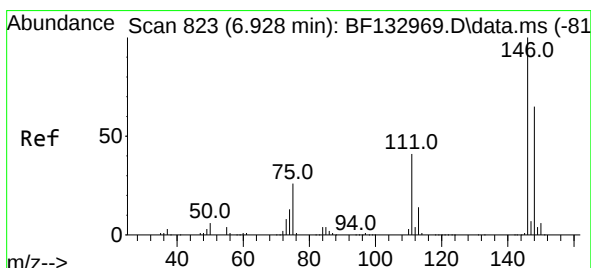
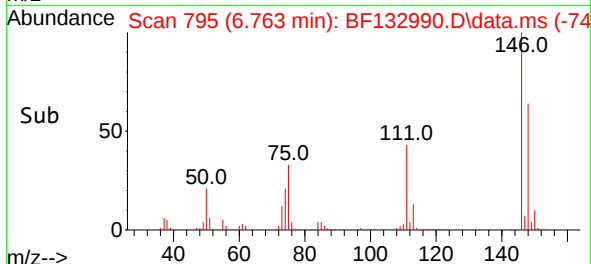
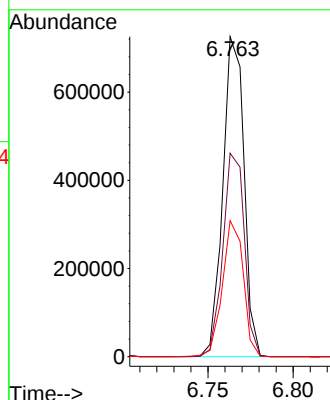
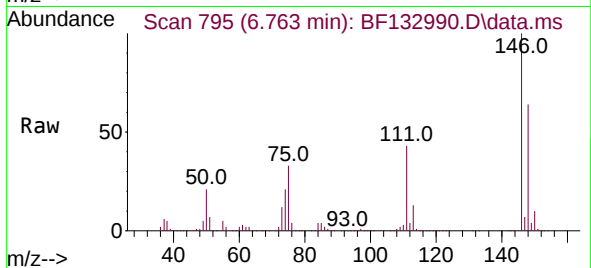
Manual Integrations  
APPROVED

Reviewed By :Christian  
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04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#14

1,2-Dichlorobenzene

Concen: 47.345 ng

RT: 6.916 min Scan# 821

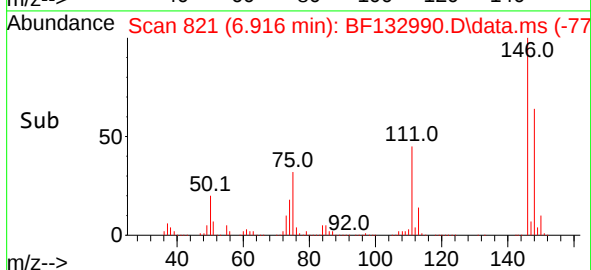
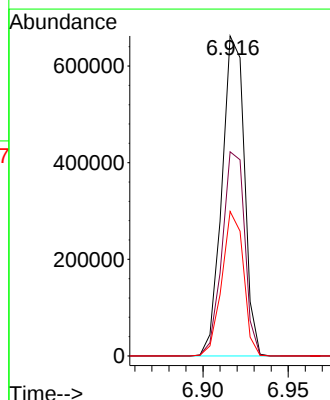
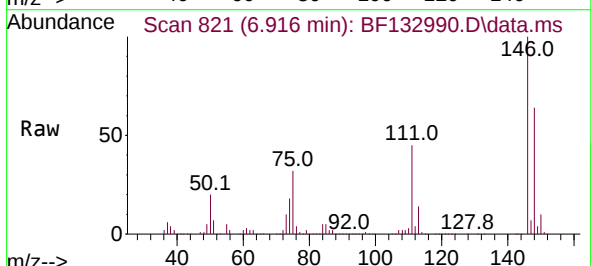
Delta R.T. -0.012 min

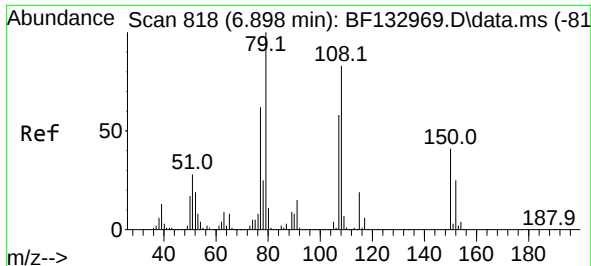
Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Tgt Ion:146 Resp: 607215

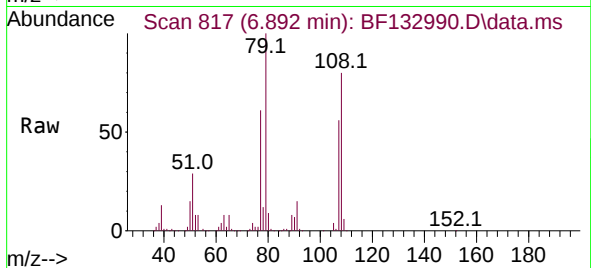
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.8  | 52.2  | 78.2  |
| 111 | 45.1  | 32.8  | 49.2  |





#15  
Benzyl Alcohol  
Concen: 45.806 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



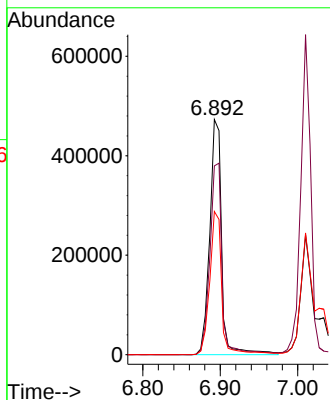
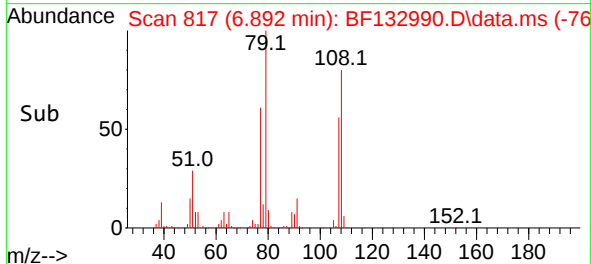
Tgt Ion: 79 Resp: 50499  
Ion Ratio Lower Upper  
79 100  
108 80.3 66.6 99.8  
77 60.9 49.2 73.8

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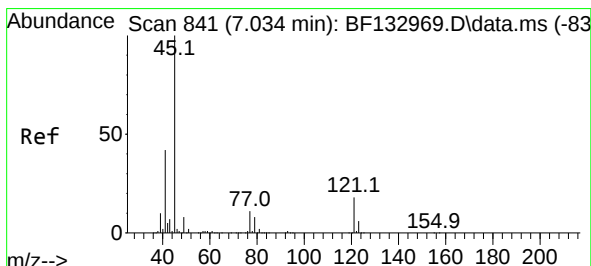
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

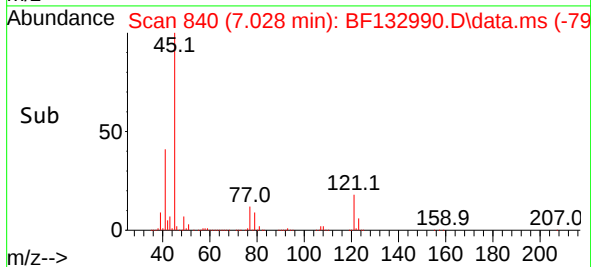
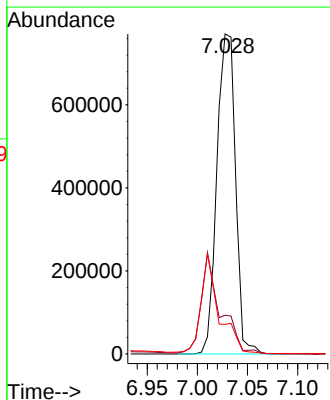
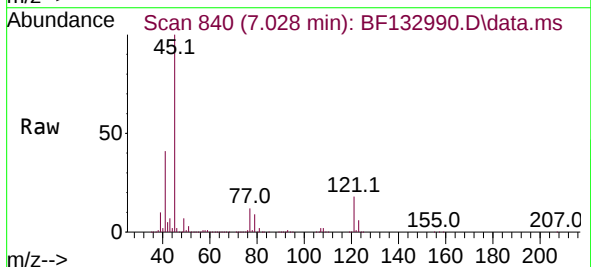


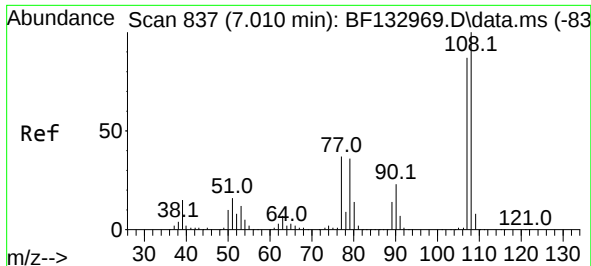
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.309 ng  
RT: 7.028 min Scan# 840  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion: 45 Resp: 993859  
Ion Ratio Lower Upper  
45 100  
77 12.1 0.0 31.5  
79 9.3 0.0 28.7





#17  
2-Methylphenol  
Concen: 41.338 ng  
RT: 7.010 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:107 Resp: 494180  
Ion Ratio Lower Upper  
107 100  
108 115.7 92.4 138.6  
77 44.0 33.8 50.8  
79 43.3 33.1 49.7

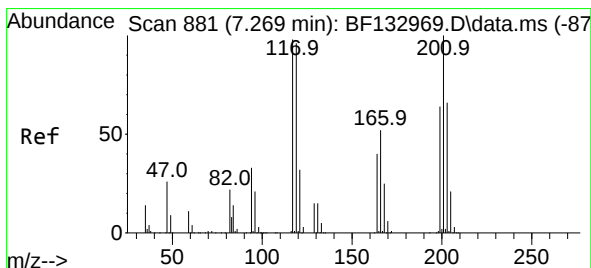
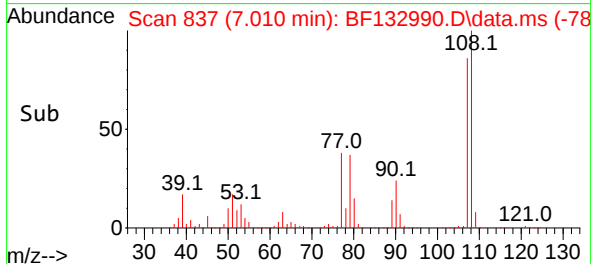
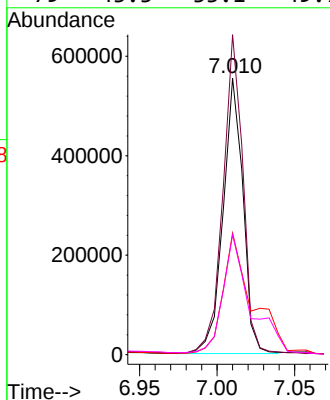
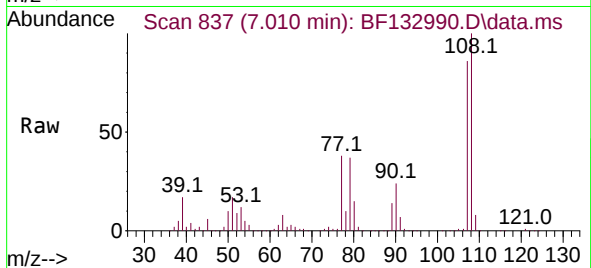
Manual Integrations  
APPROVED

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Supervised By :Jagrut  
Upadhyay  
04/25/2023

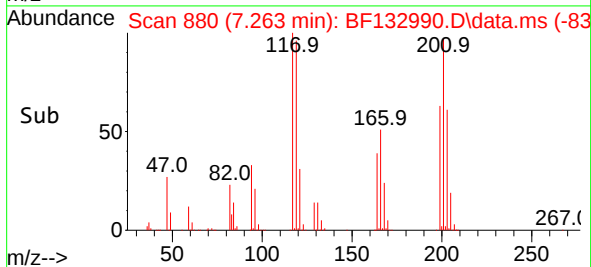
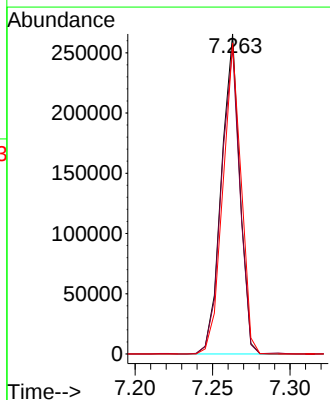
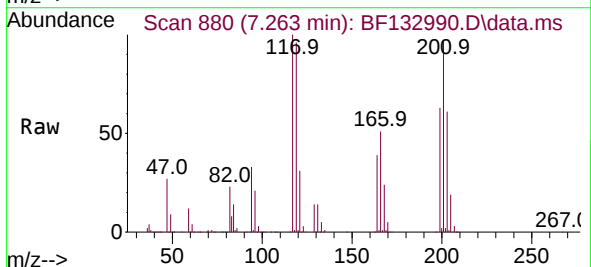
04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#18  
Hexachloroethane  
Concen: 45.148 ng  
RT: 7.263 min Scan# 880  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

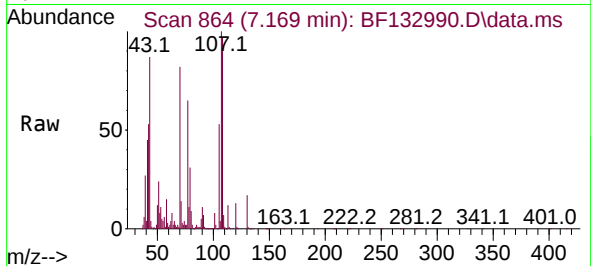
Tgt Ion:117 Resp: 218357  
Ion Ratio Lower Upper  
117 100  
119 95.8 78.2 117.4  
201 97.2 81.7 122.5





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.737 ng  
RT: 7.169 min Scan# 864  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



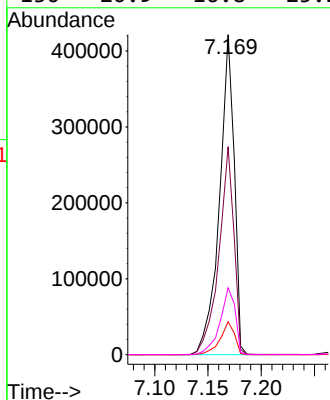
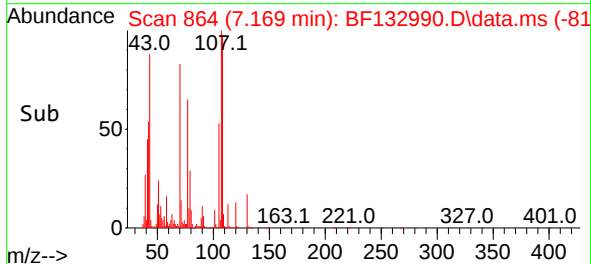
Tgt Ion: 70 Resp: 40476  
Ion Ratio Lower Upper  
70 100  
42 65.0 51.8 77.6  
101 10.3 8.0 12.0  
130 20.9 16.8 25.2

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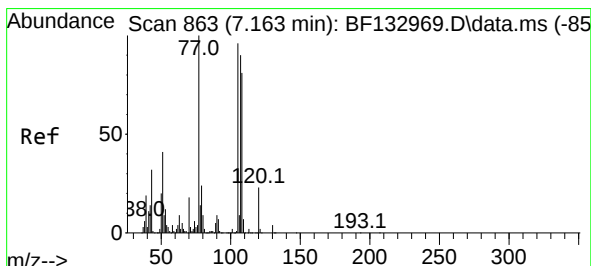
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

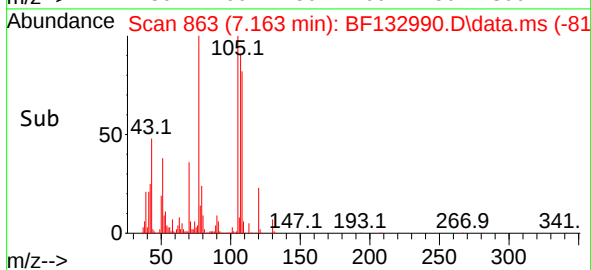
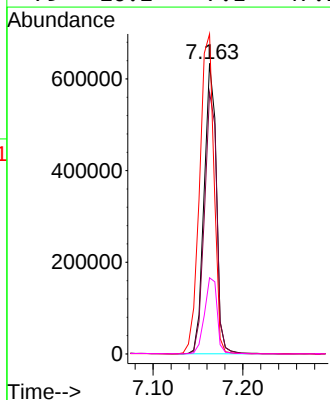
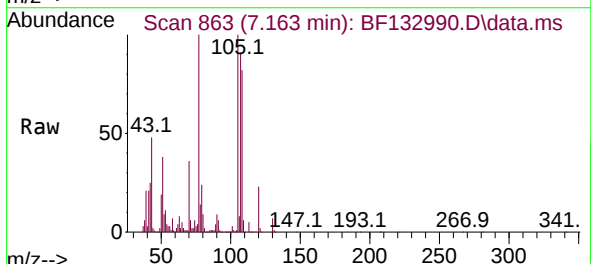


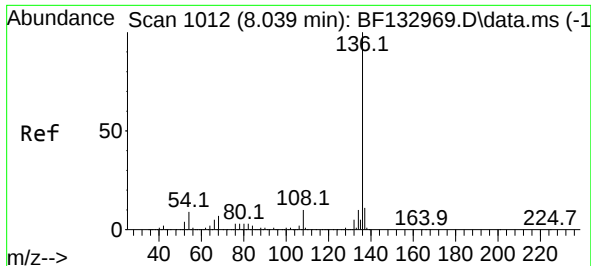
04/25/2023



#20  
3+4-Methylphenols  
Concen: 42.606 ng  
RT: 7.163 min Scan# 863  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:107 Resp: 599831  
Ion Ratio Lower Upper  
107 100  
108 90.1 70.5 110.5  
77 110.2 91.7 131.7  
79 26.2 7.1 47.1





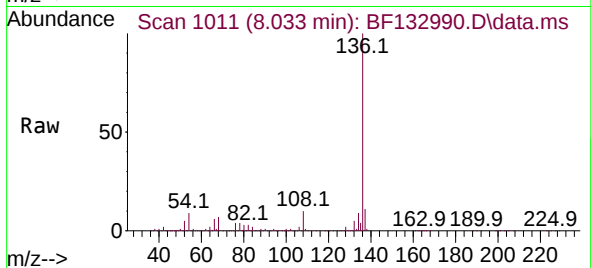
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.033 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



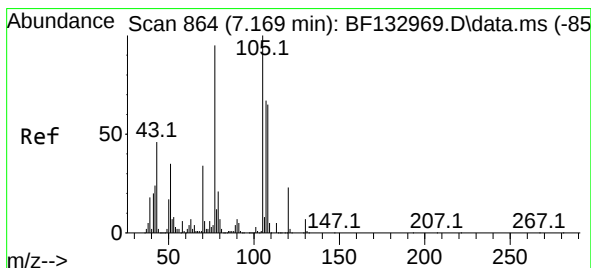
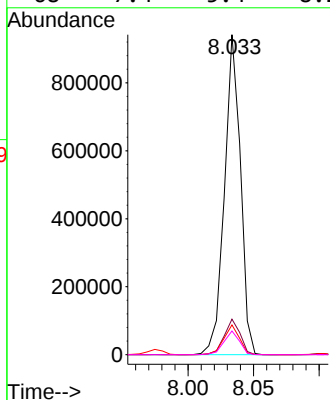
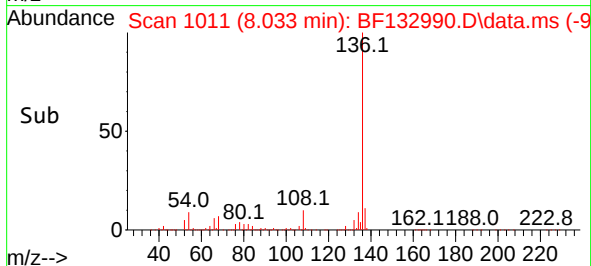
Tgt Ion:136 Resp: 79684  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 9.3 7.0 10.4  
68 7.4 5.4 8.2

Manual Integrations  
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Reviewed By :Christian  
Giraldo

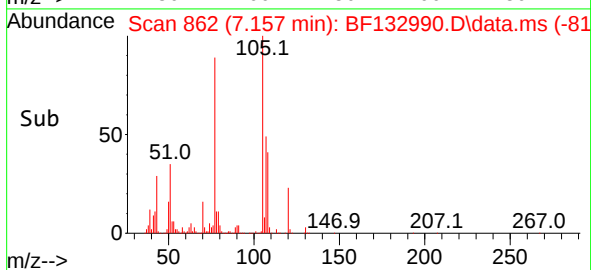
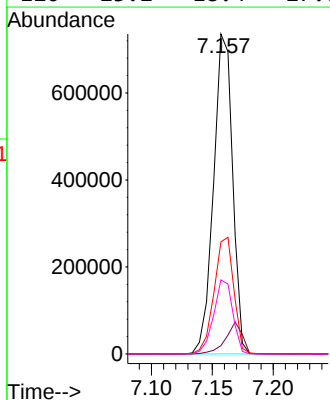
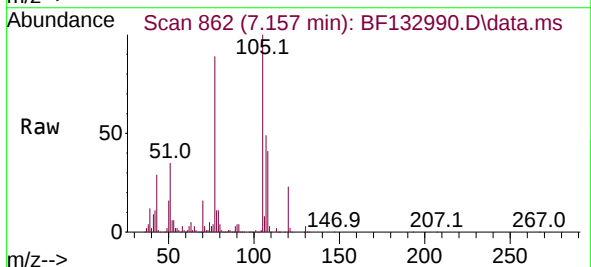
Supervised By :Jagrut  
Upadhyay  
04/25/2023

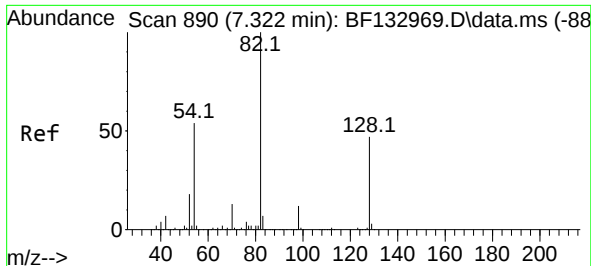
04/25/2023  
Supervised By :Jagrut  
Upadhyay



#22  
Acetophenone  
Concen: 43.498 ng  
RT: 7.157 min Scan# 862  
Delta R.T. -0.012 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:105 Resp: 802909  
Ion Ratio Lower Upper  
105 100  
71 2.6 4.6 7.0#  
51 35.1 28.2 42.2  
120 23.2 18.4 27.6





#23

Nitrobenzene-d5

Concen: 83.199 ng

RT: 7.316 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF132990.D

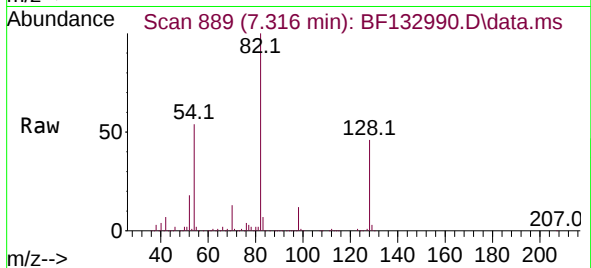
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion: 82 Resp: 122824

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

54 53.6 43.0 64.4

Manual Integrations

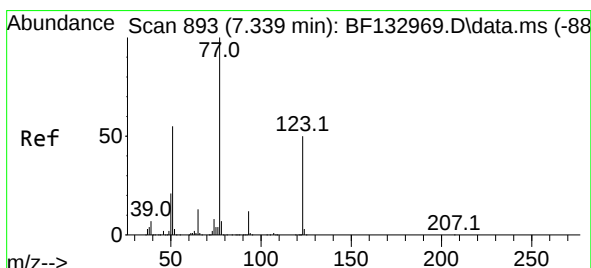
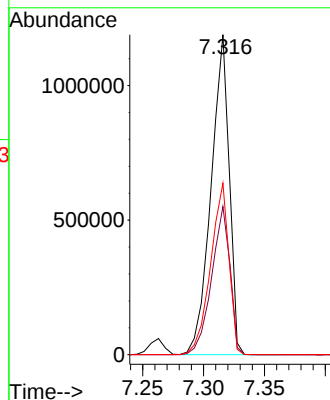
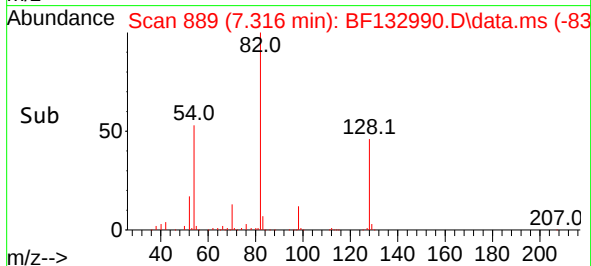
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#24

Nitrobenzene

Concen: 41.905 ng

RT: 7.333 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

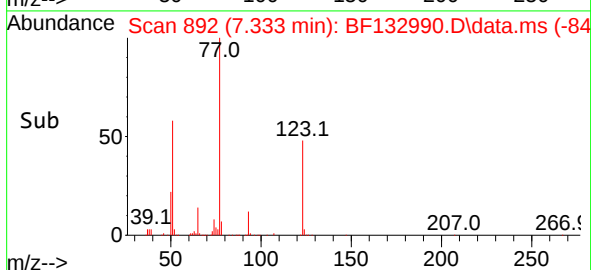
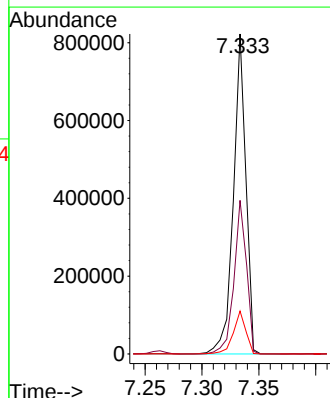
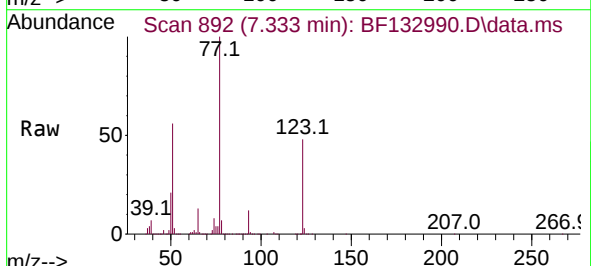
Tgt Ion: 77 Resp: 626873

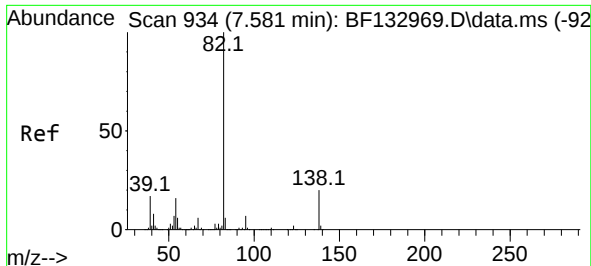
Ion Ratio Lower Upper

77 100

123 48.0 39.9 59.9

65 13.4 10.7 16.1





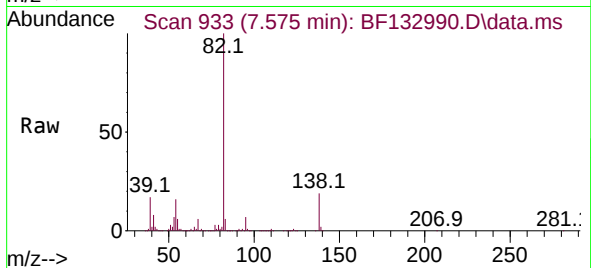
#25  
Isophorone  
Concen: 40.993 ng  
RT: 7.575 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



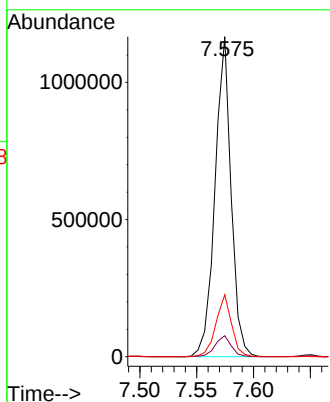
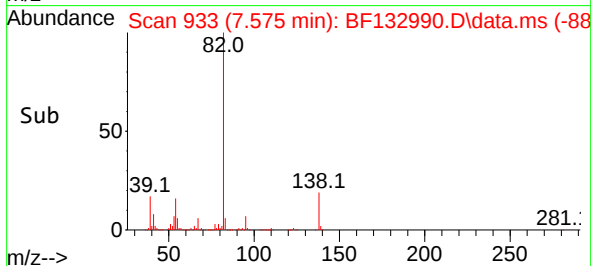
Tgt Ion: 82 Resp: 1149000  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.4 8.0  
138 19.3 16.0 24.0

Manual Integrations  
APPROVED

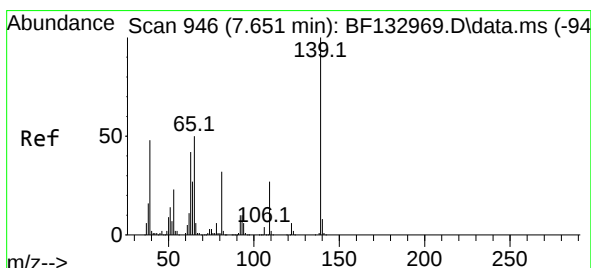
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

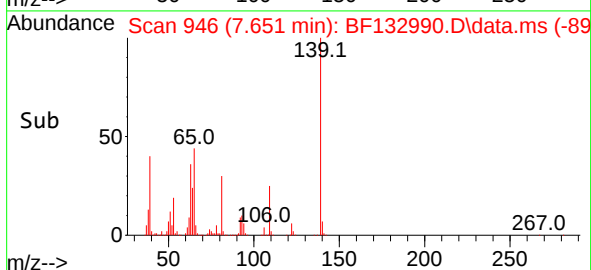
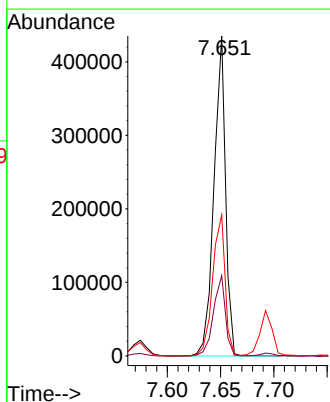
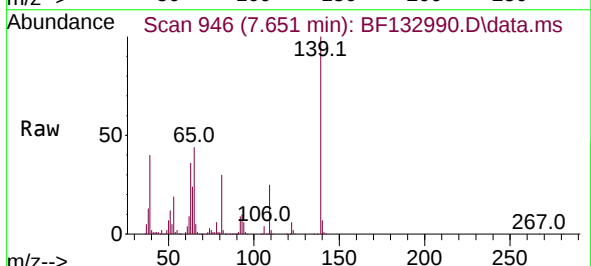


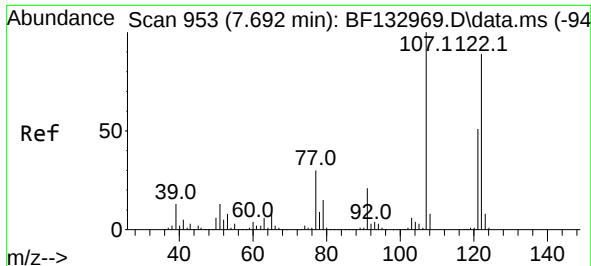
04/25/2023



#26  
2-Nitrophenol  
Concen: 45.760 ng  
RT: 7.651 min Scan# 946  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:139 Resp: 330179  
Ion Ratio Lower Upper  
139 100  
109 25.1 21.6 32.4  
65 44.0 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 44.336 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF132990.D

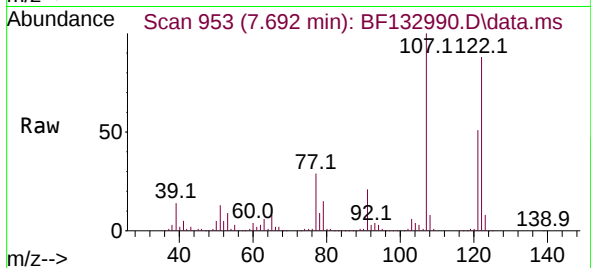
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 54854 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 113.1 | 89.7  | 134.5 |
| 121      | 58.1  | 46.0  | 69.0  |

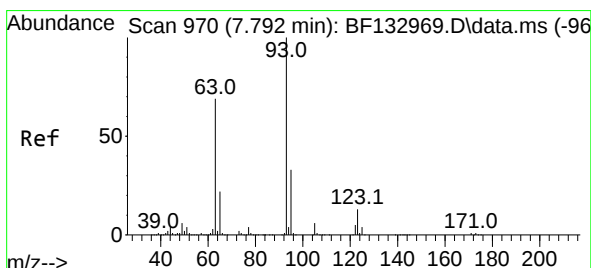
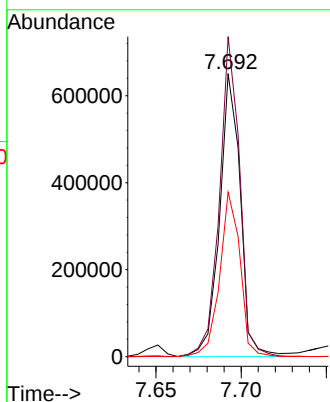
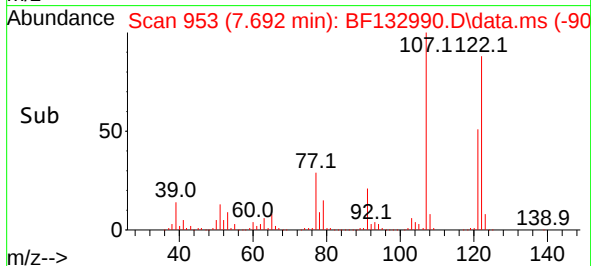
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#28

bis(2-Chloroethoxy)methane

Concen: 41.267 ng

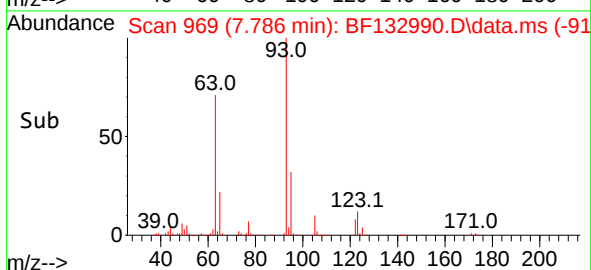
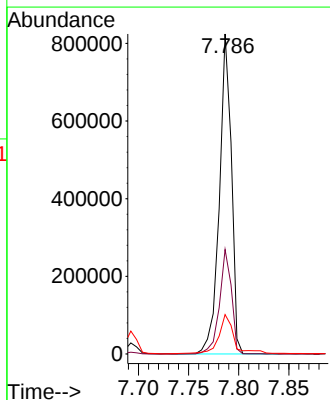
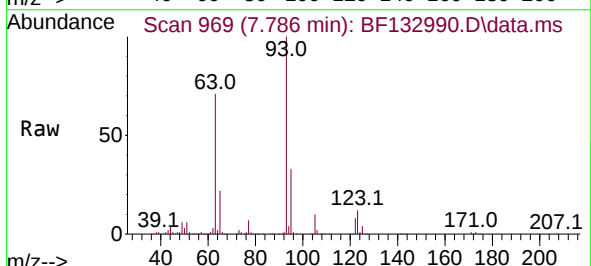
RT: 7.786 min Scan# 969

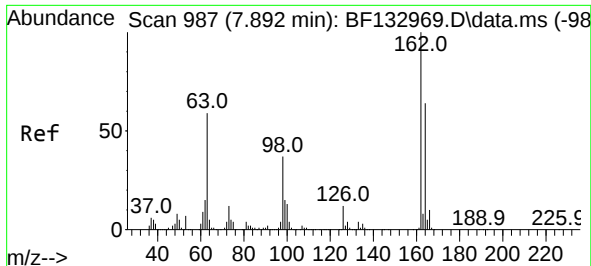
Delta R.T. -0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 684283 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.7  | 26.4  | 39.6   |
| 123      | 12.3  | 10.3  | 15.5   |





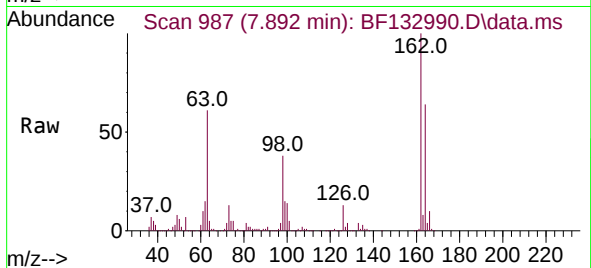
#29  
2,4-Dichlorophenol  
Concen: 43.044 ng  
RT: 7.892 min Scan# 987  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



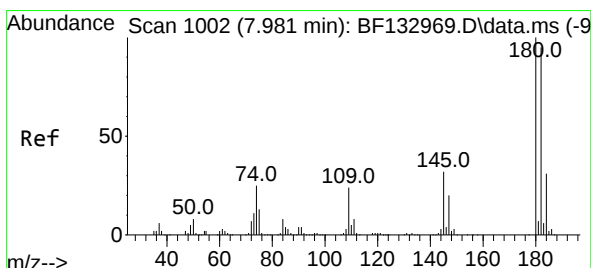
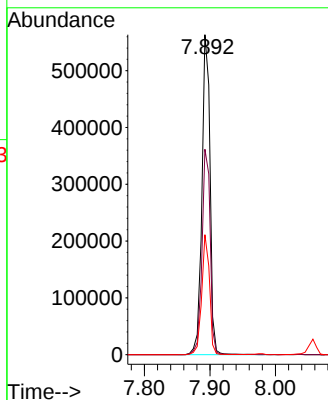
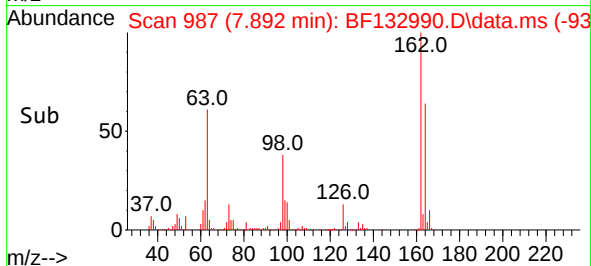
Tgt Ion:162 Resp: 484814  
Ion Ratio Lower Upper  
162 100  
164 64.2 43.9 83.9  
98 37.5 17.0 57.0

Manual Integrations  
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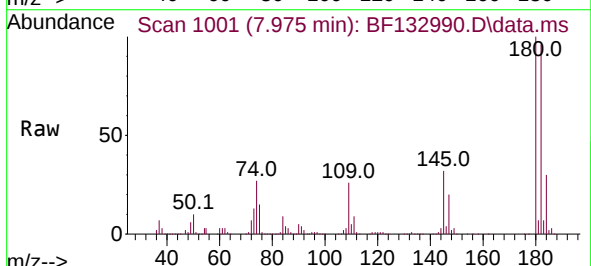
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

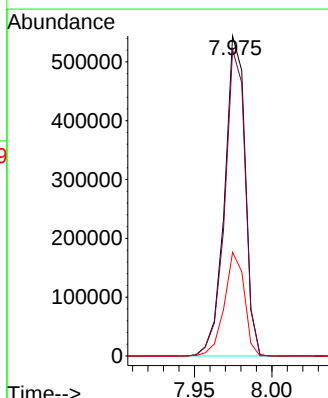
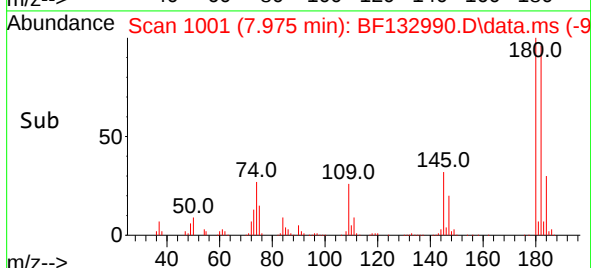
04/25/2023  
Supervised By :Jagrut  
Upadhyay



#30  
1,2,4-Trichlorobenzene  
Concen: 42.955 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



Tgt Ion:180 Resp: 501228  
Ion Ratio Lower Upper  
180 100  
182 95.7 75.9 113.9  
145 32.4 25.3 37.9





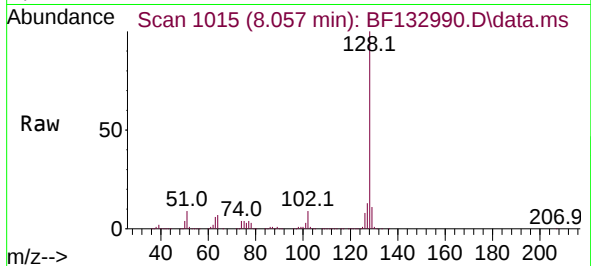
#31  
Naphthalene  
Concen: 41.956 ng  
RT: 8.057 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:128 Resp: 1671510  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.8 13.2  
127 13.4 10.7 16.1

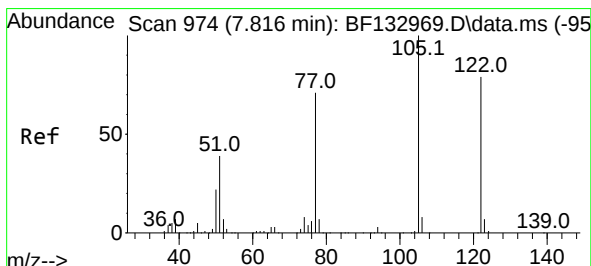
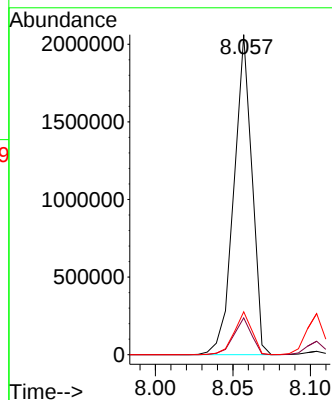
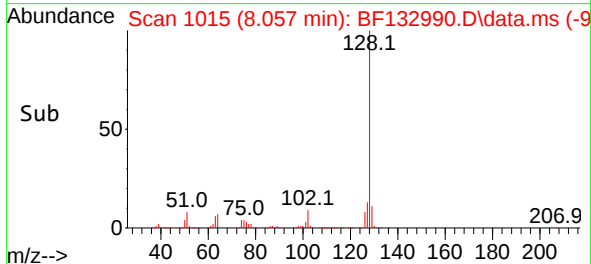
Manual Integrations  
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Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

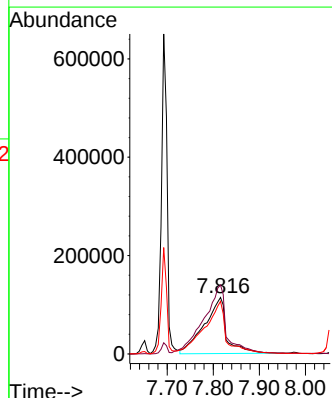
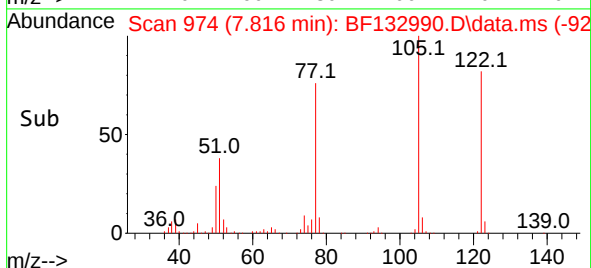
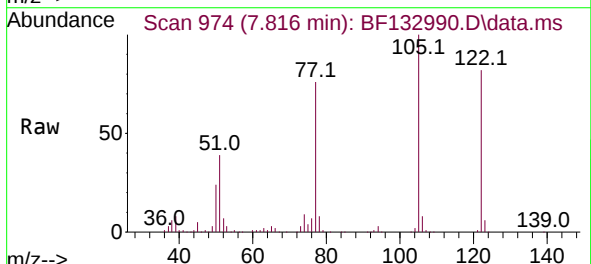
04/25/2023  
Supervised By :Jagrut  
Upadhyay

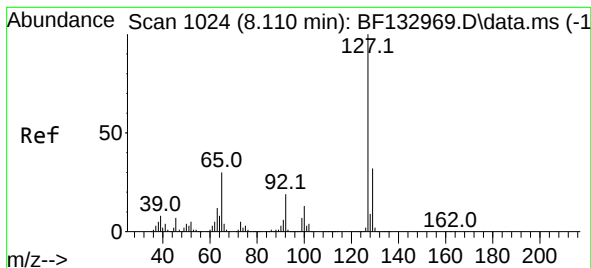
04/25/2023



#32  
Benzoic acid  
Concen: 50.343 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:122 Resp: 384736  
Ion Ratio Lower Upper  
122 100  
105 122.0 104.2 144.2  
77 93.3 69.7 109.7





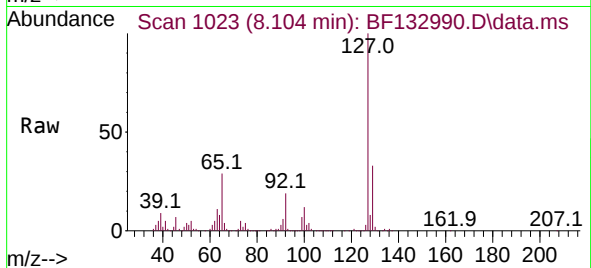
#33  
4-Chloroaniline  
Concen: 14.659 ng  
RT: 8.104 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



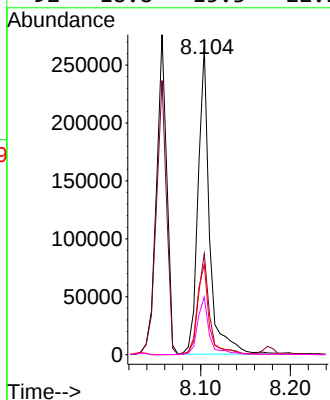
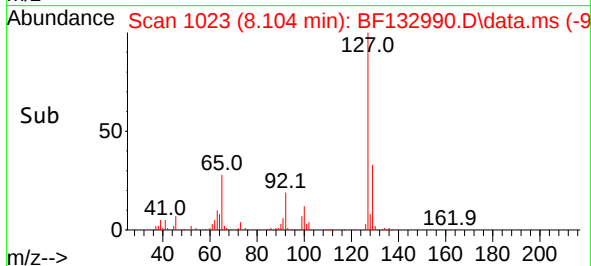
Tgt Ion:127 Resp: 23596  
Ion Ratio Lower Upper  
127 100  
129 32.8 25.8 38.8  
65 29.3 23.6 35.4  
92 18.8 15.3 22.9

Manual Integrations  
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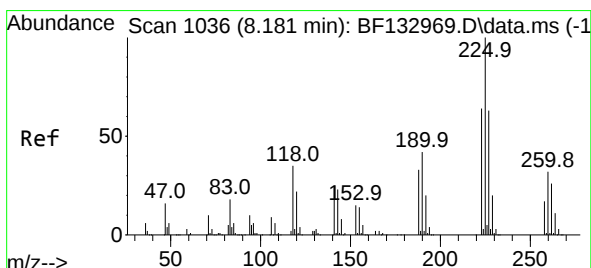
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

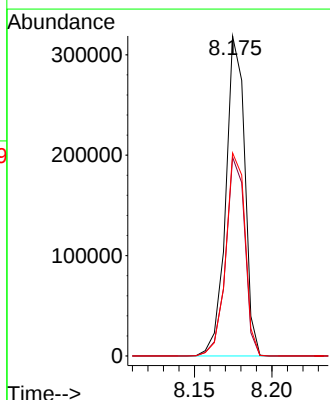
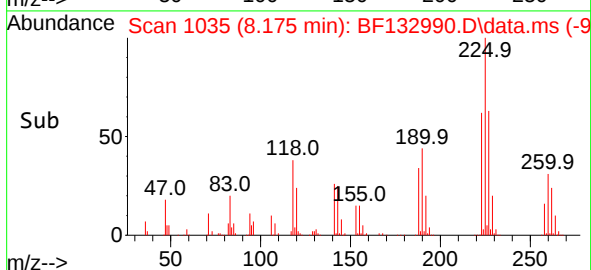
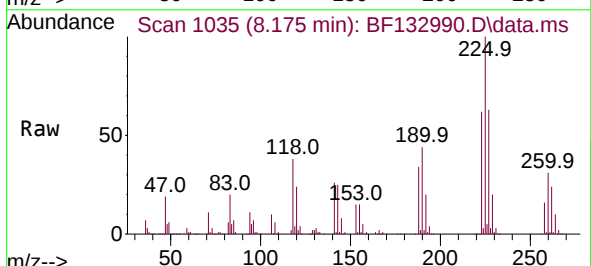


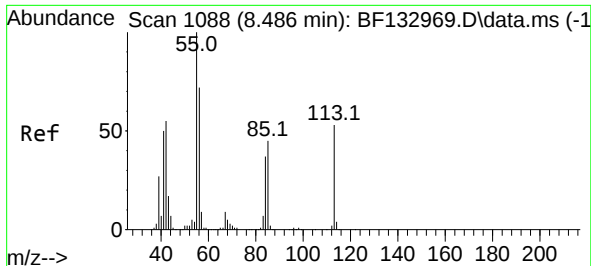
04/25/2023



#34  
Hexachlorobutadiene  
Concen: 41.793 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

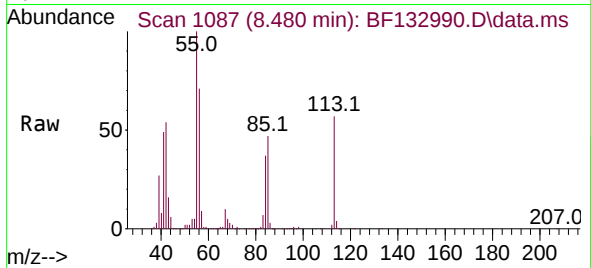
Tgt Ion:225 Resp: 270282  
Ion Ratio Lower Upper  
225 100  
223 62.1 50.9 76.3  
227 63.5 50.3 75.5





#35  
Caprolactam  
Concen: 46.763 ng m  
RT: 8.480 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



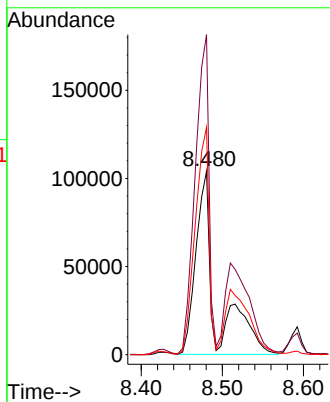
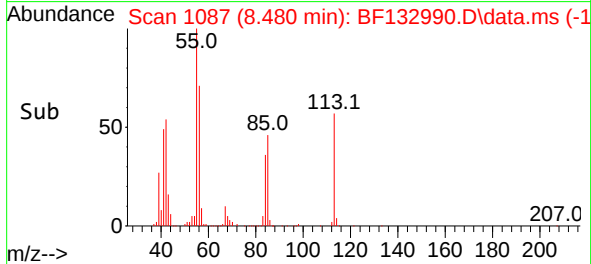
Tgt Ion:113 Resp: 17693  
Ion Ratio Lower Upper  
113 100  
55 174.5 167.1 207.1  
56 123.9 114.5 154.5

Manual Integrations  
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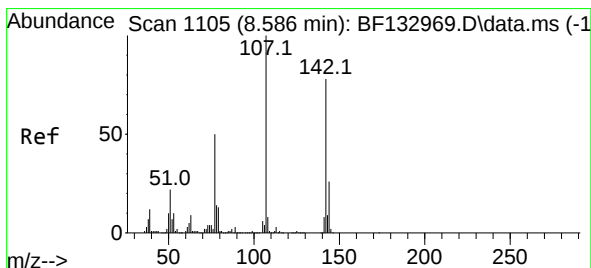
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

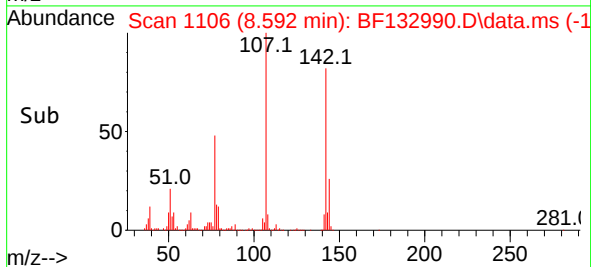
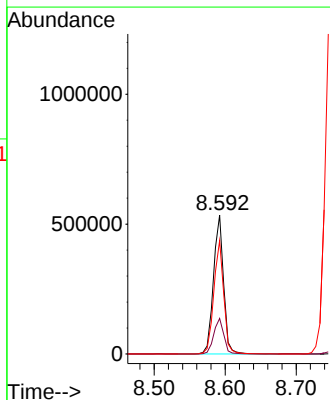
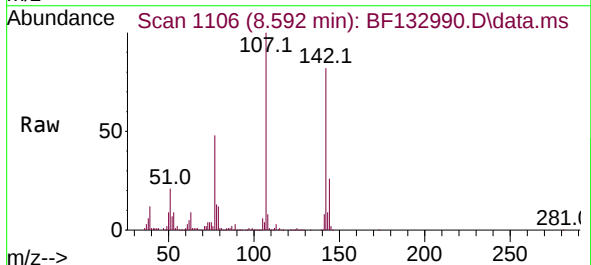


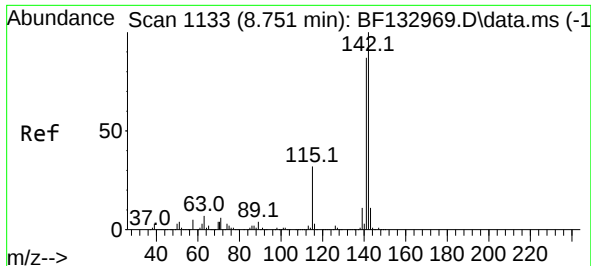
04/25/2023



#36  
4-Chloro-3-methylphenol  
Concen: 43.481 ng  
RT: 8.592 min Scan# 1106  
Delta R.T. 0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:107 Resp: 528120  
Ion Ratio Lower Upper  
107 100  
144 25.5 20.6 30.8  
142 81.7 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 40.077 ng  
RT: 8.745 min Scan# 1133  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:142 Resp: 1091588  
Ion Ratio Lower Upper  
142 100  
141 88.2 69.4 104.0

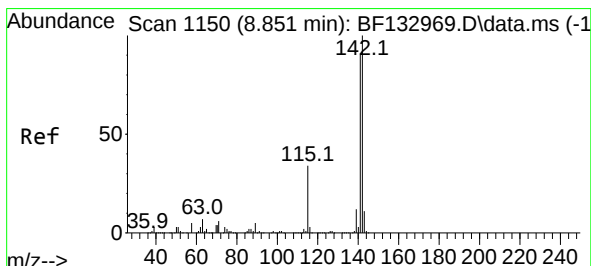
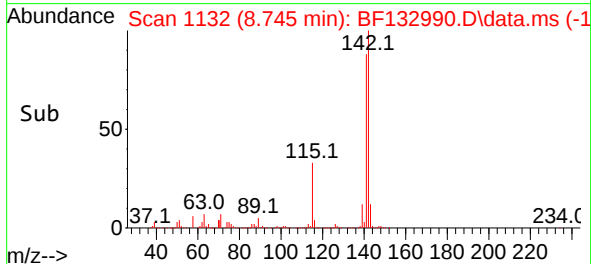
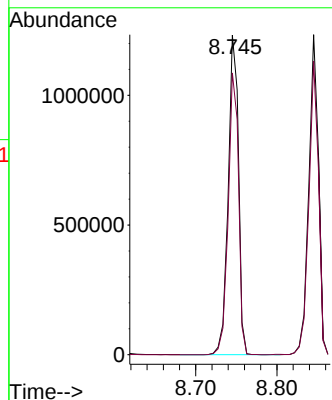
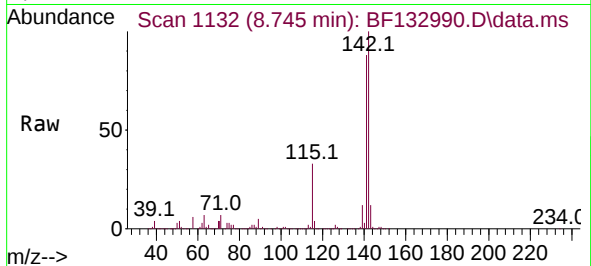
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

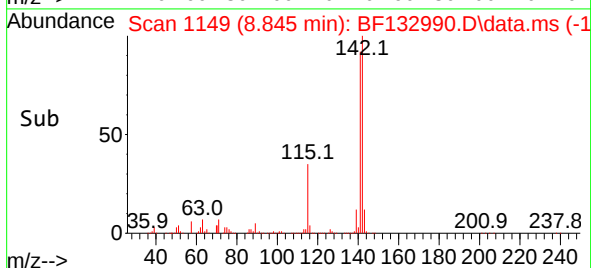
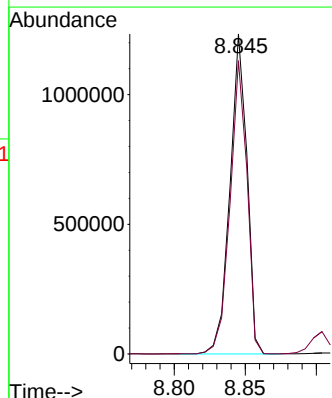
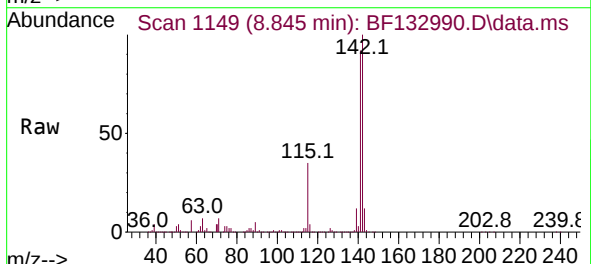
04/25/2023  
Supervised By :Jagrut  
Upadhyay

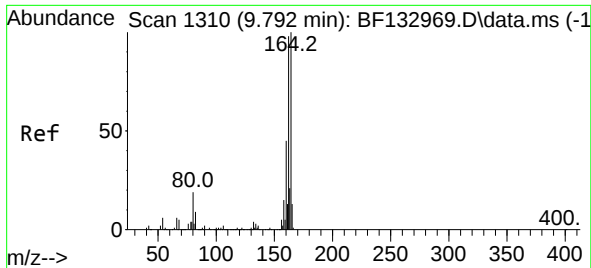
04/25/2023



#38  
1-Methylnaphthalene  
Concen: 40.394 ng  
RT: 8.845 min Scan# 1149  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:142 Resp: 1029255  
Ion Ratio Lower Upper  
142 100  
141 91.7 73.1 109.7





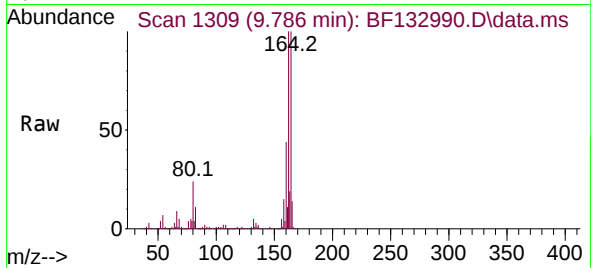
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.786 min Scan# 11309  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



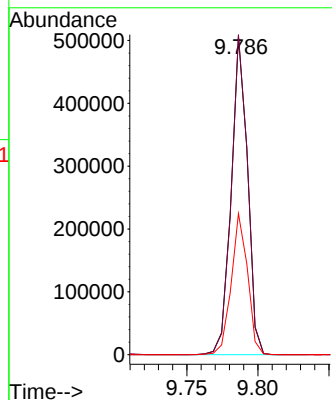
Tgt Ion:164 Resp: 404634  
Ion Ratio Lower Upper  
164 100  
162 100.3 78.7 118.1  
160 44.2 35.8 53.6

Manual Integrations  
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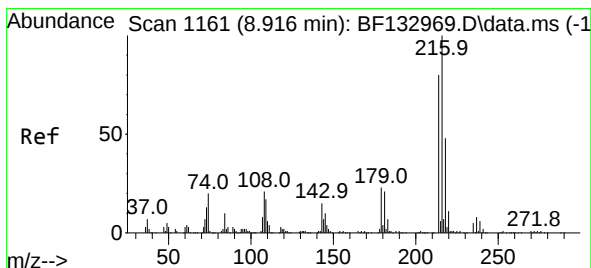
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

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Supervised By :Jagrut  
Upadhyay

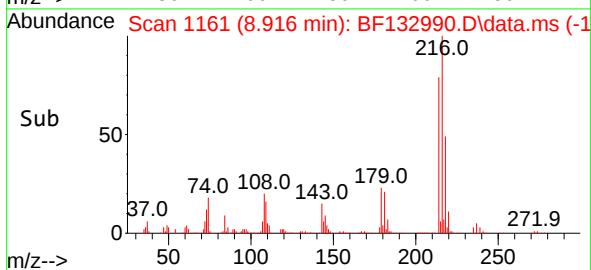
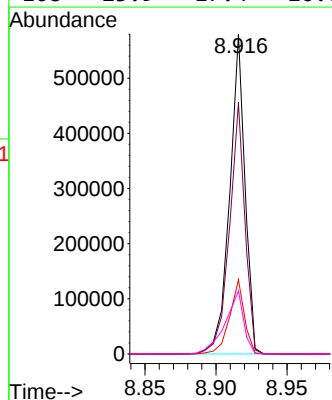
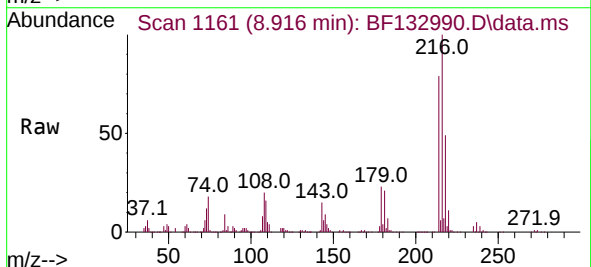


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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.124 ng  
RT: 8.916 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

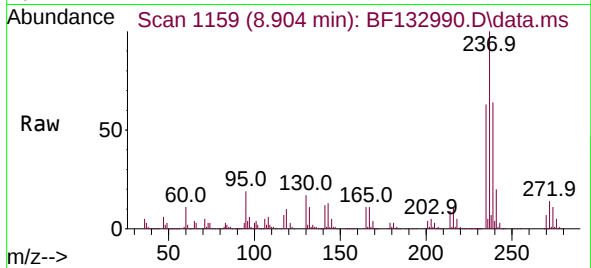
Tgt Ion:216 Resp: 436524  
Ion Ratio Lower Upper  
216 100  
214 79.3 63.5 95.3  
179 22.5 17.4 26.2  
108 23.9 17.4 26.0





#41  
Hexachlorocyclopentadiene  
Concen: 96.460 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



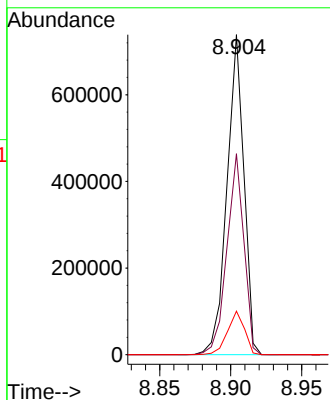
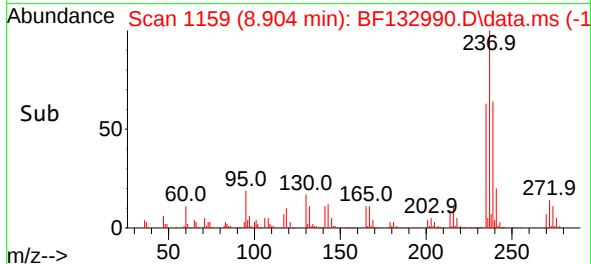
Tgt Ion:237 Resp: 612030  
Ion Ratio Lower Upper  
237 100  
235 62.8 43.5 83.5  
272 13.6 0.0 32.7

Manual Integrations  
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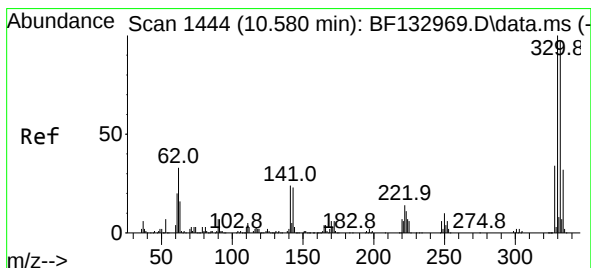
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

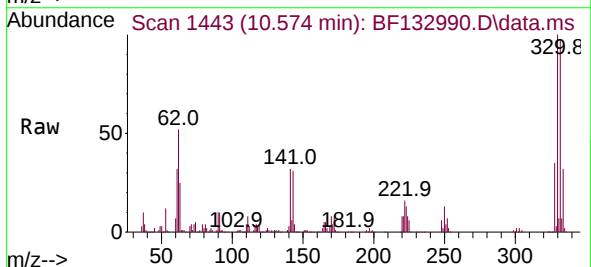
04/25/2023  
Supervised By :Jagrut  
Upadhyay



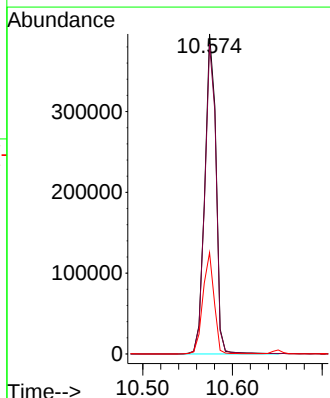
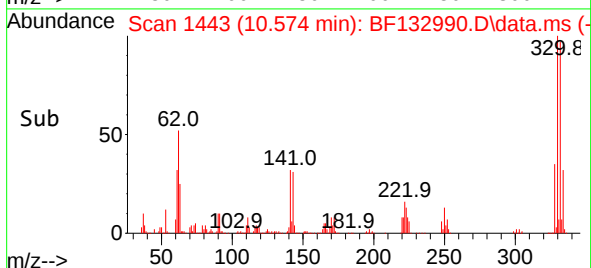
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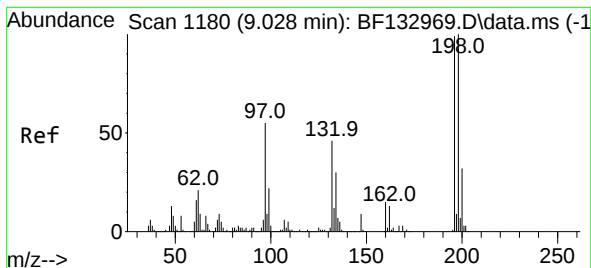


#42  
2,4,6-Tribromophenol  
Concen: 84.318 ng  
RT: 10.574 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



Tgt Ion:330 Resp: 343123  
Ion Ratio Lower Upper  
330 100  
332 97.6 77.1 115.7  
141 31.8 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 42.650 ng

RT: 9.027 min Scan# 1180

Delta R.T. -0.000 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:196 Resp: 32089

Ion Ratio Lower Upper

196 100

198 101.1 81.0 121.6

200 32.2 26.1 39.1

Manual Integrations

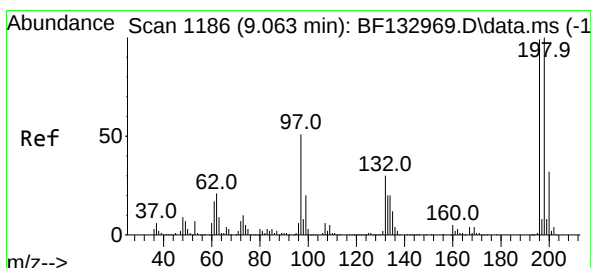
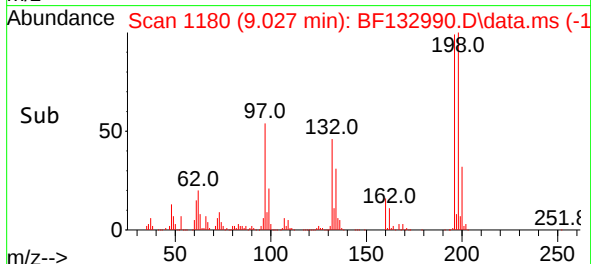
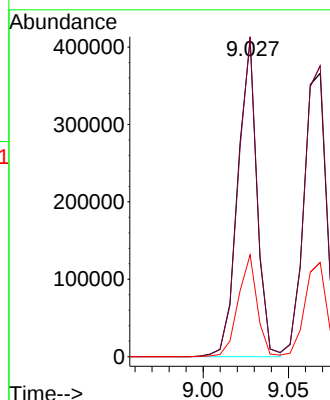
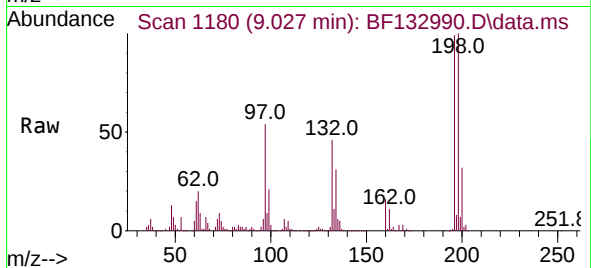
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
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Supervised By :Jagrut  
Upadhyay

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#44

2,4,5-Trichlorophenol

Concen: 39.841 ng

RT: 9.069 min Scan# 1187

Delta R.T. 0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

Tgt Ion:196 Resp: 346677

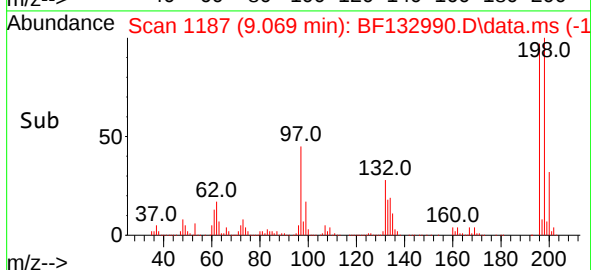
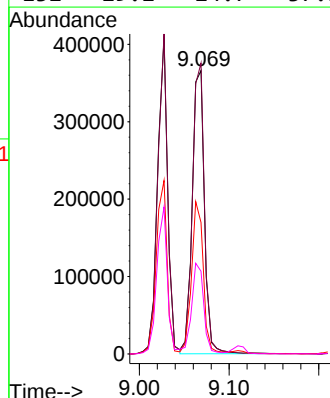
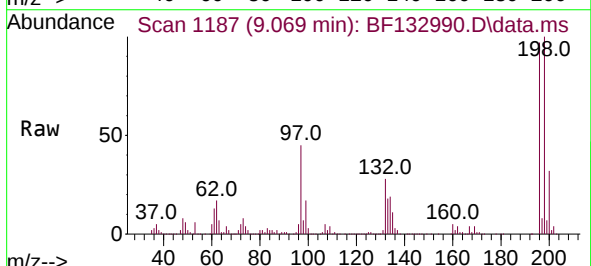
Ion Ratio Lower Upper

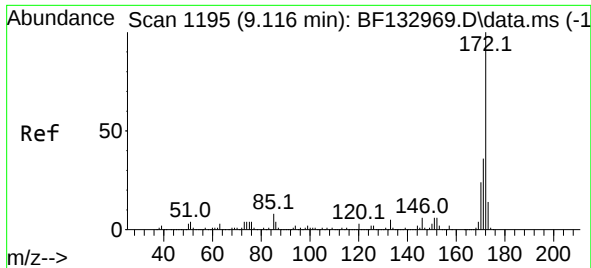
196 100

198 102.6 80.9 121.3

97 46.4 41.3 61.9

132 29.2 24.7 37.1





#45  
2-Fluorobiphenyl  
Concen: 83.825 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:172 Resp: 2027399  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.8 43.2  
170 24.1 19.4 29.2

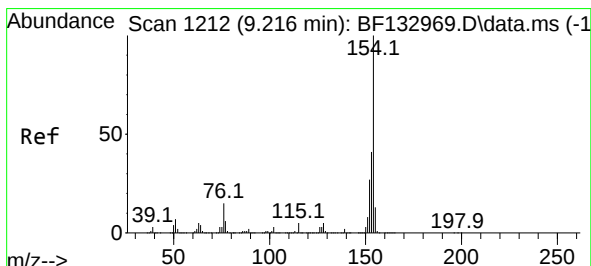
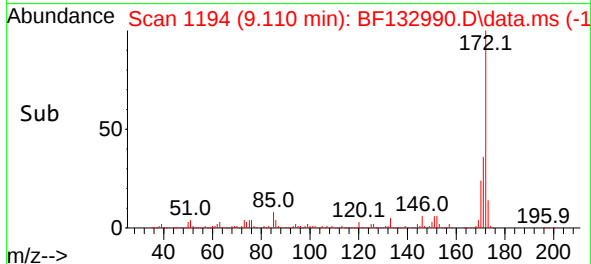
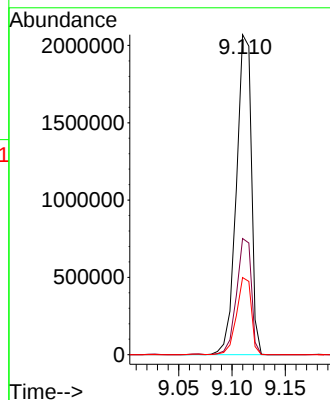
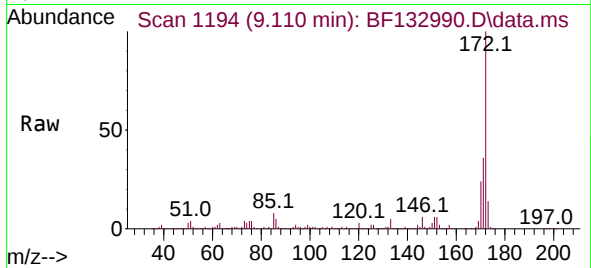
Manual Integrations  
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Supervised By :Jagrut  
Upadhyay  
04/25/2023

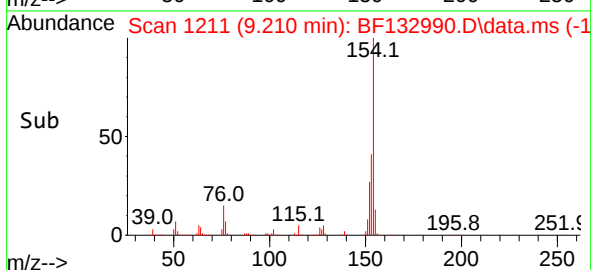
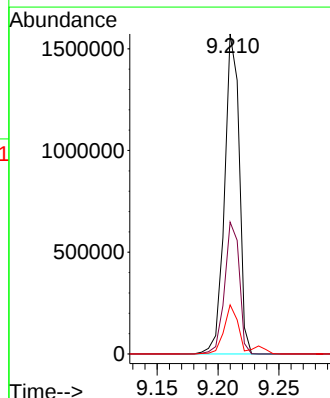
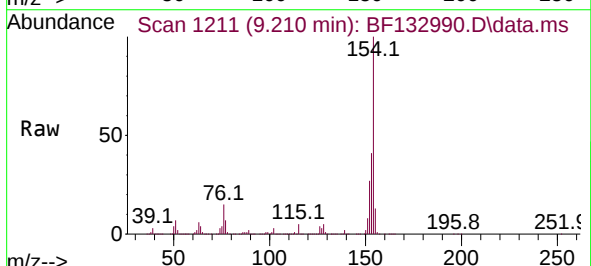
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Supervised By :Jagrut  
Upadhyay

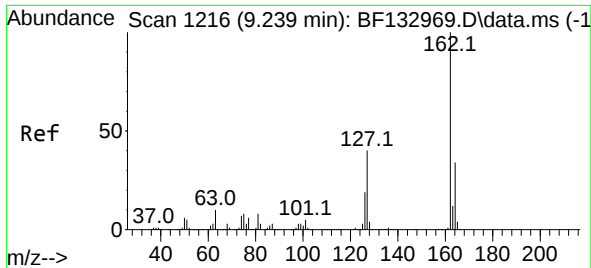
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#46  
1,1'-Biphenyl  
Concen: 41.262 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

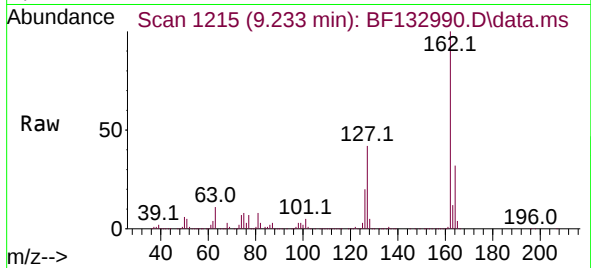
Tgt Ion:154 Resp: 1323933  
Ion Ratio Lower Upper  
154 100  
153 41.2 21.0 61.0  
76 15.4 0.0 34.5





#47  
2-Chloronaphthalene  
Concen: 42.816 ng  
RT: 9.233 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



Tgt Ion:162 Resp: 100551  
Ion Ratio Lower Upper  
162 100  
127 41.7 32.3 48.5  
164 32.3 26.8 40.2

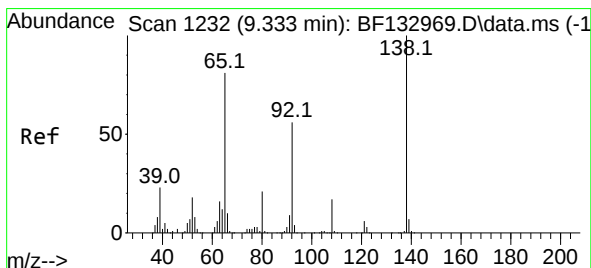
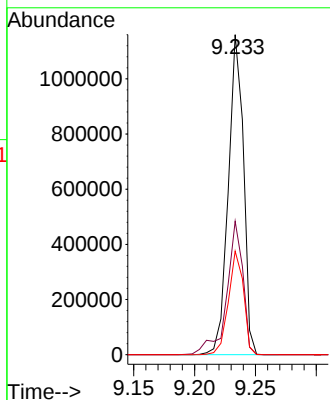
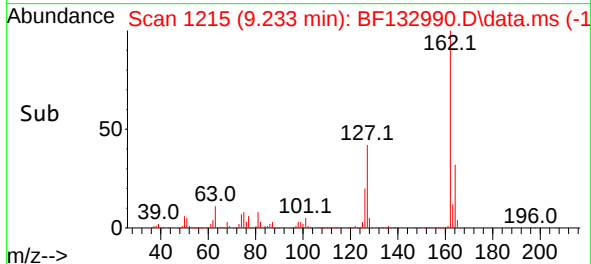
Manual Integrations  
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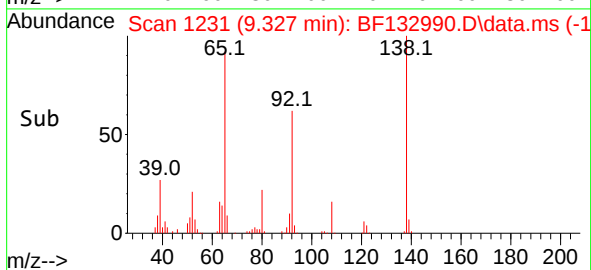
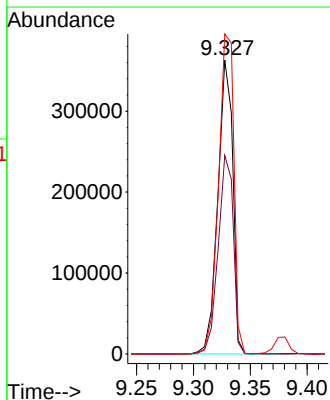
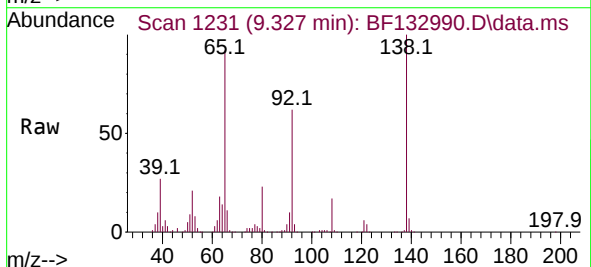
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Upadhyay

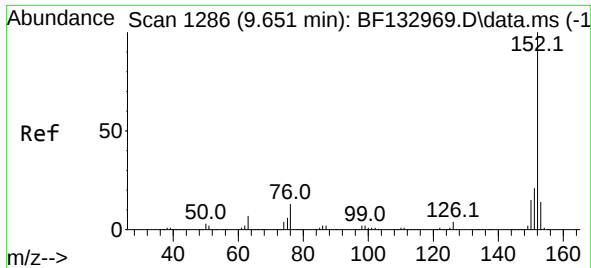
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#48  
2-Nitroaniline  
Concen: 42.897 ng  
RT: 9.327 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion: 65 Resp: 332950  
Ion Ratio Lower Upper  
65 100  
92 67.5 55.4 83.0  
138 108.8 98.2 147.2





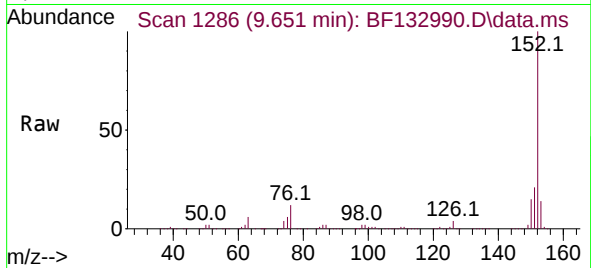
#49  
Acenaphthylene  
Concen: 41.775 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:152 Resp: 156760  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.6 24.8  
153 14.1 11.5 17.3

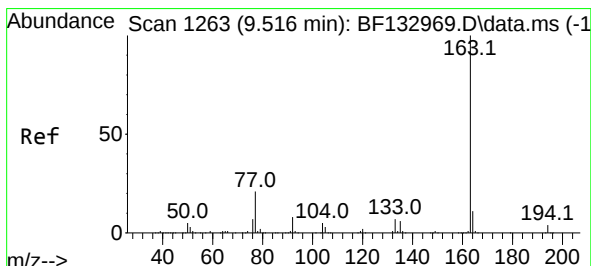
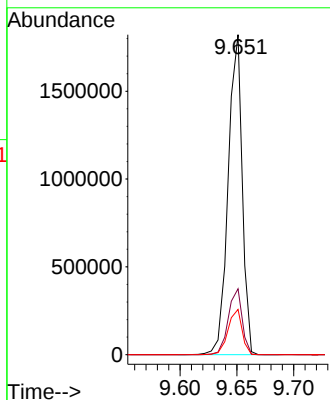
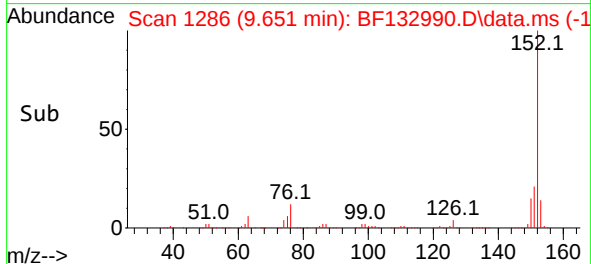
Manual Integrations  
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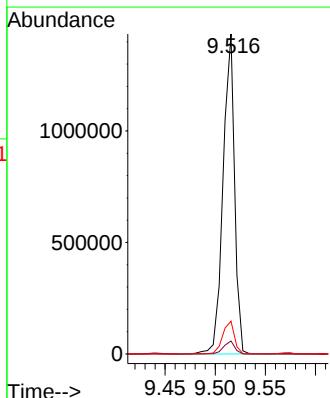
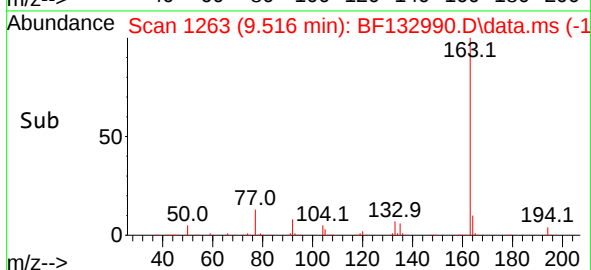
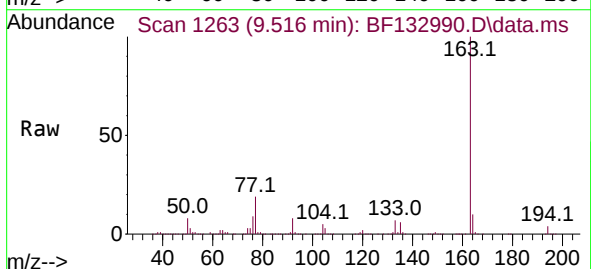
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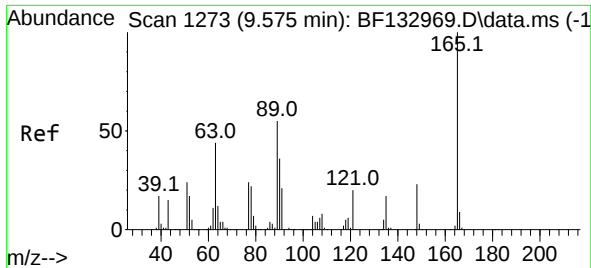
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#50  
Dimethylphthalate  
Concen: 40.503 ng  
RT: 9.516 min Scan# 1263  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:163 Resp: 1142774  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.1 4.7  
164 10.3 8.5 12.7





#51  
2,6-Dinitrotoluene  
Concen: 42.727 ng  
RT: 9.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:165 Resp: 27133  
Ion Ratio Lower Upper  
165 100  
63 46.7 45.9 68.9  
89 47.1 44.0 66.0

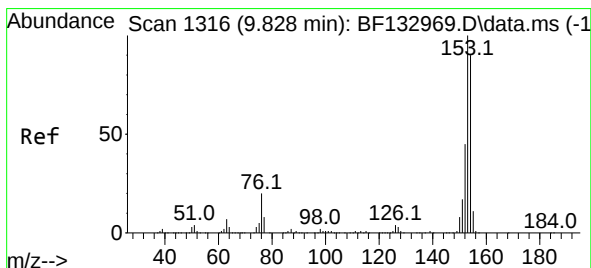
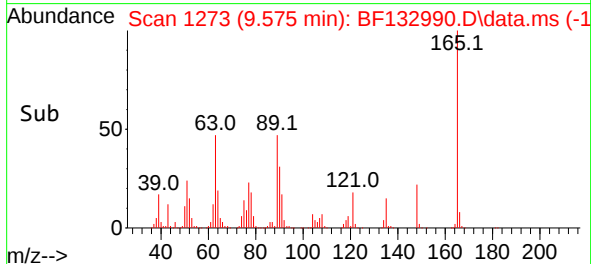
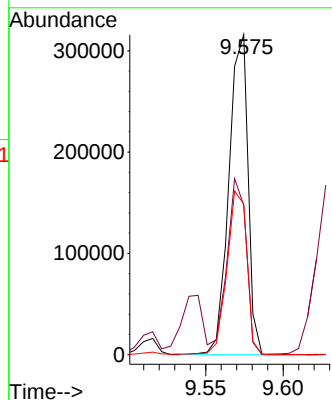
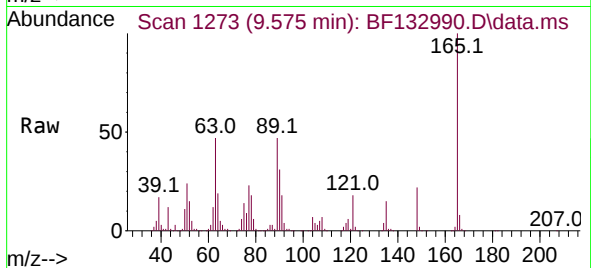
Manual Integrations  
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Giraldo

Supervised By :Jagrut  
Upadhyay  
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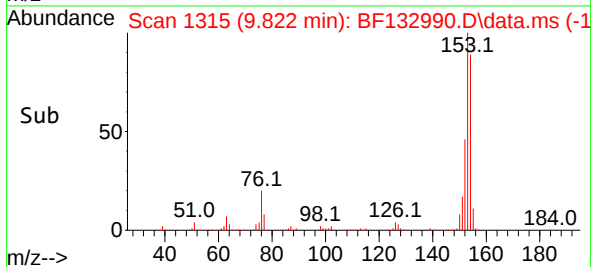
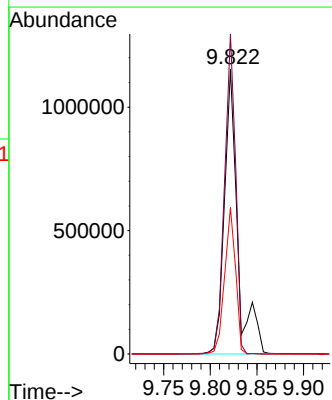
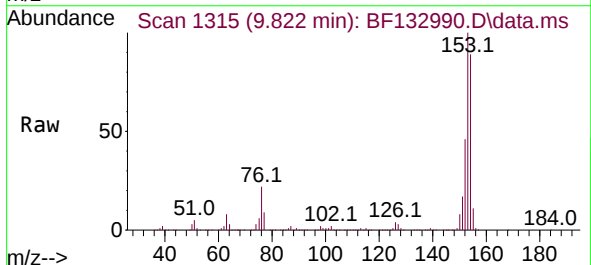
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Supervised By :Jagrut  
Upadhyay

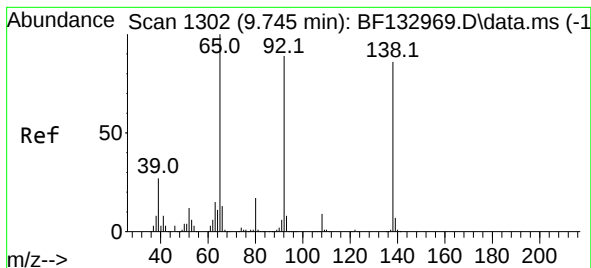
04/25/2023



#52  
Acenaphthene  
Concen: 45.233 ng m  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:154 Resp: 1136820  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.0 133.6  
152 51.4 40.4 60.6





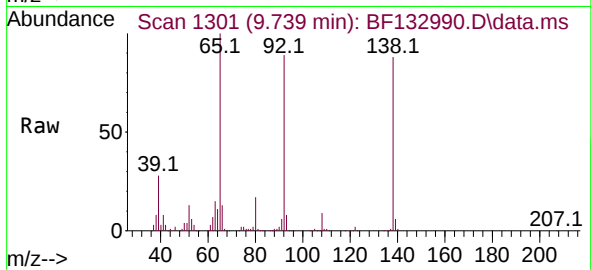
#53  
3-Nitroaniline  
Concen: 26.819 ng  
RT: 9.739 min Scan# 1301  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:138 Resp: 202498  
Ion Ratio Lower Upper  
138 100  
108 9.6 8.0 12.0  
92 101.1 83.6 125.4

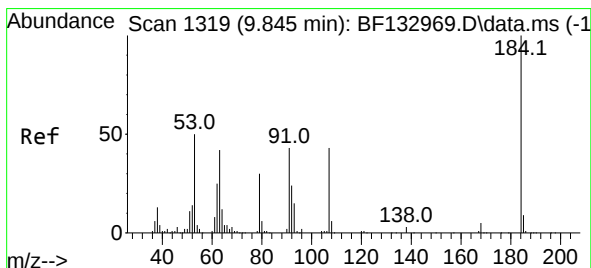
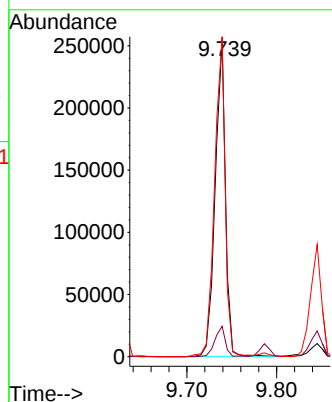
Manual Integrations  
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Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
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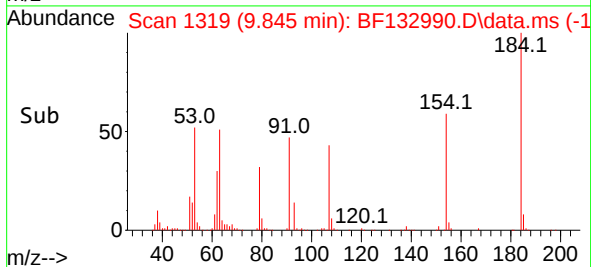
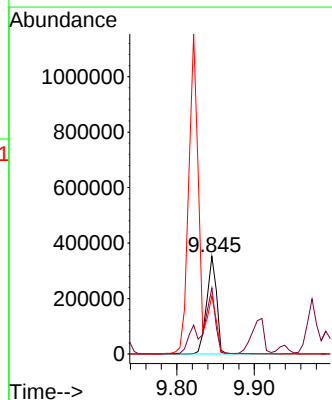
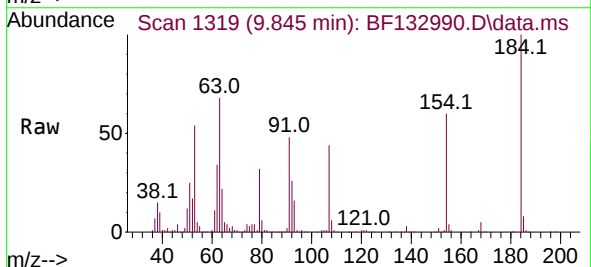
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Supervised By :Jagrut  
Upadhyay

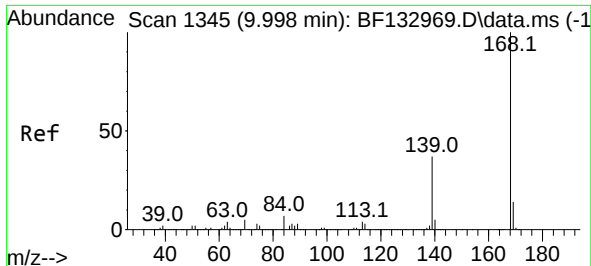
04/25/2023



#54  
2,4-Dinitrophenol  
Concen: 98.879 ng  
RT: 9.845 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:184 Resp: 315620  
Ion Ratio Lower Upper  
184 100  
63 67.8 49.8 74.8  
154 59.5 49.5 74.3





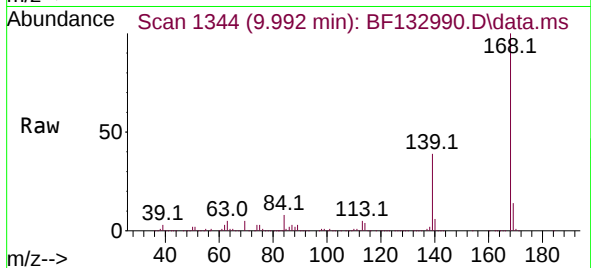
#55  
Dibenzenofuran  
Concen: 41.051 ng  
RT: 9.992 min Scan# 1345  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:168 Resp: 1407339  
Ion Ratio Lower Upper  
168 100  
139 38.7 29.8 44.8  
169 13.5 10.8 16.2

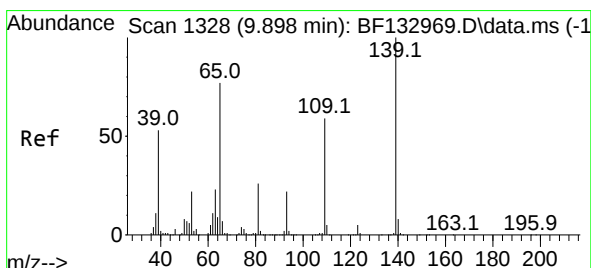
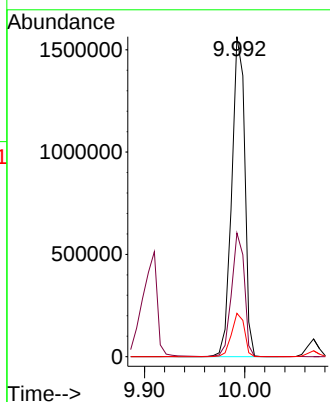
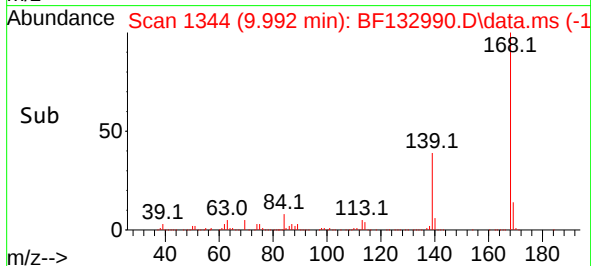
Manual Integrations  
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Giraldo

Supervised By :Jagrut  
Upadhyay  
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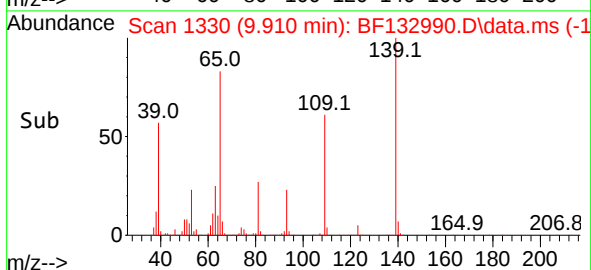
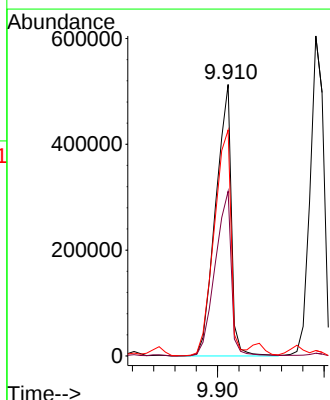
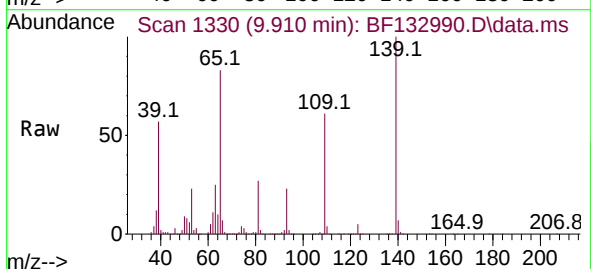
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Supervised By :Jagrut  
Upadhyay

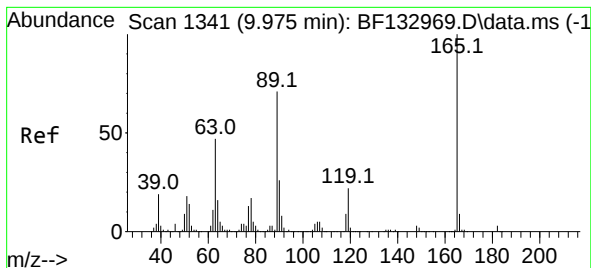
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#56  
4-Nitrophenol  
Concen: 89.323 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.012 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:139 Resp: 522370  
Ion Ratio Lower Upper  
139 100  
109 60.6 39.4 79.4  
65 83.2 57.5 97.5





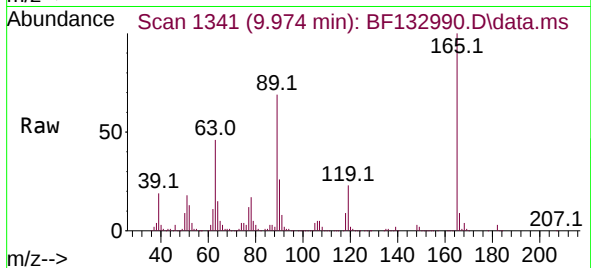
#57  
2,4-Dinitrotoluene  
Concen: 44.190 ng  
RT: 9.974 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



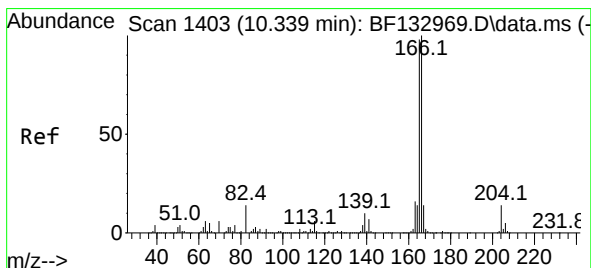
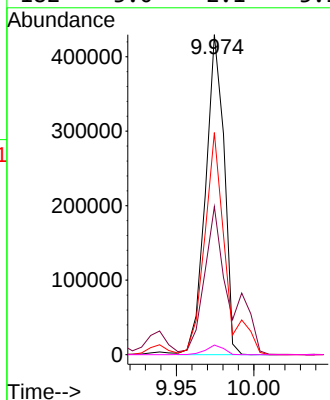
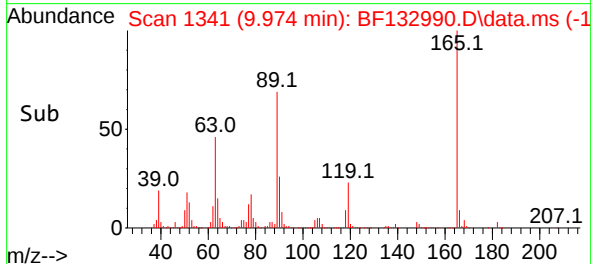
Tgt Ion:165 Resp: 35786  
Ion Ratio Lower Upper  
165 100  
63 46.2 37.7 56.5  
89 69.4 57.0 85.4  
182 3.0 2.1 3.1

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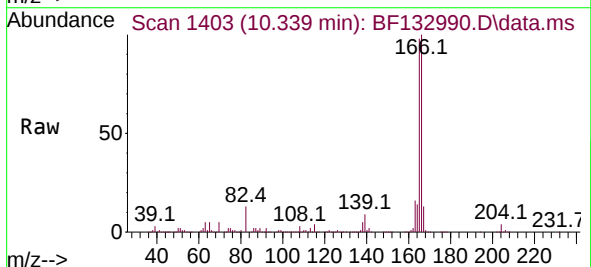
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
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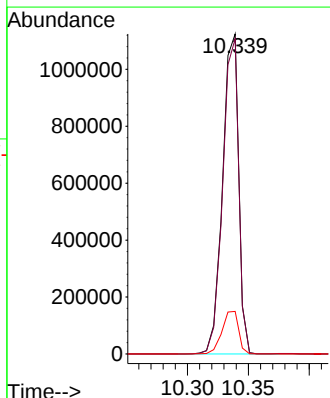
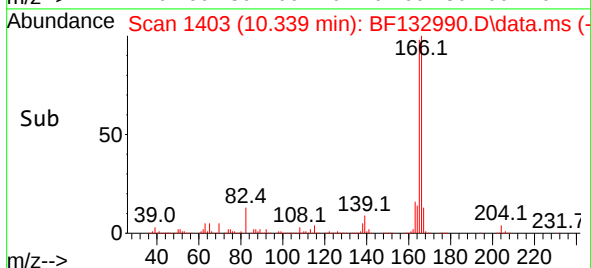
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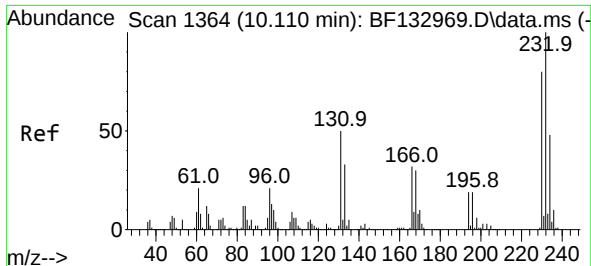


#58  
Fluorene  
Concen: 41.171 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



Tgt Ion:166 Resp: 1034095  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.6 117.8  
167 13.3 11.0 16.4





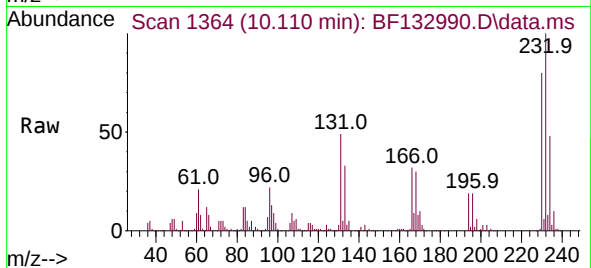
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.779 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

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ClientSampleId :

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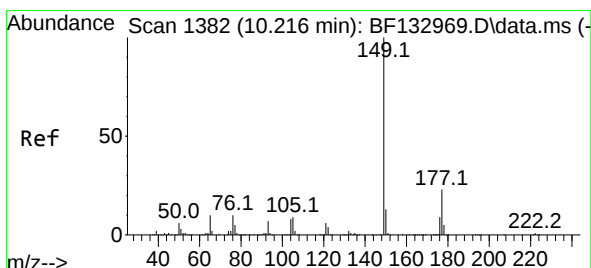
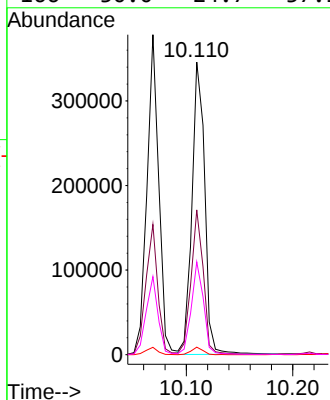
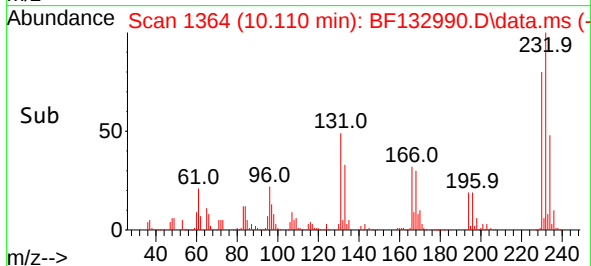
Tgt Ion:232 Resp: 28859  
Ion Ratio Lower Upper  
232 100  
131 47.5 38.0 57.0  
130 2.3 1.8 2.8  
166 30.0 24.7 37.1

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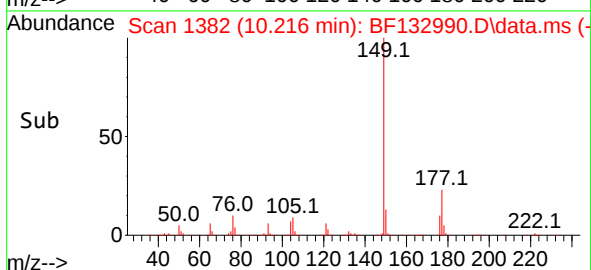
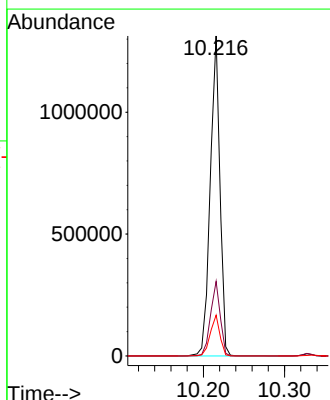
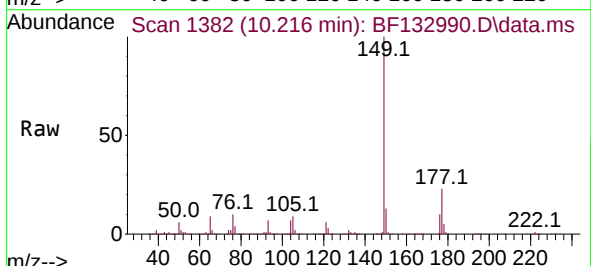
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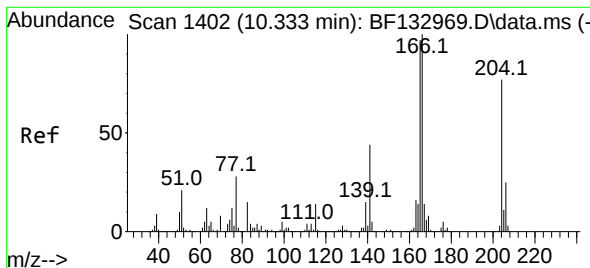
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#60  
Diethylphthalate  
Concen: 40.666 ng  
RT: 10.216 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:149 Resp: 1083759  
Ion Ratio Lower Upper  
149 100  
177 23.3 18.2 27.4  
150 12.7 10.2 15.4





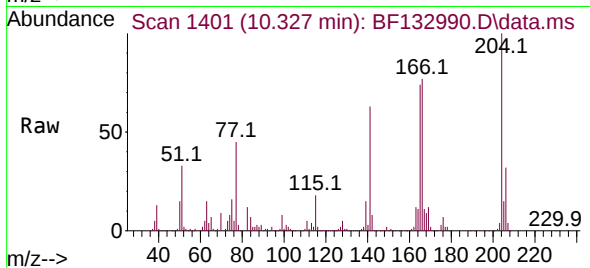
#61  
4-Chlorophenyl-phenylether  
Concen: 39.815 ng  
RT: 10.327 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

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ClientSampleId :

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Tgt Ion:204 Resp: 487336  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.1 39.1  
141 62.6 46.1 69.1

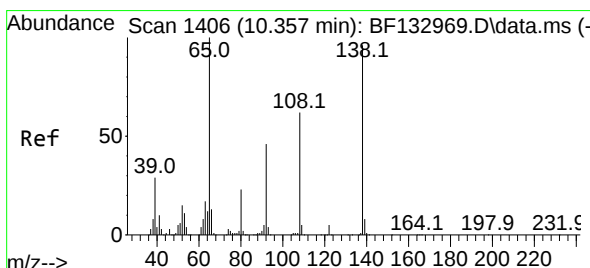
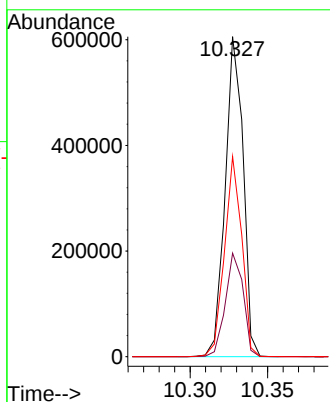
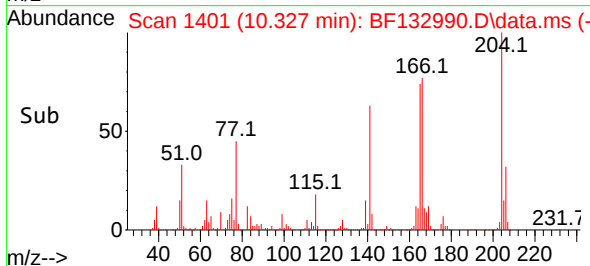
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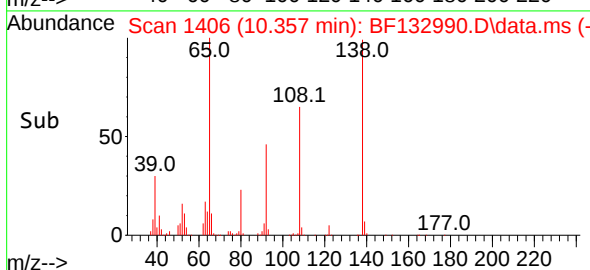
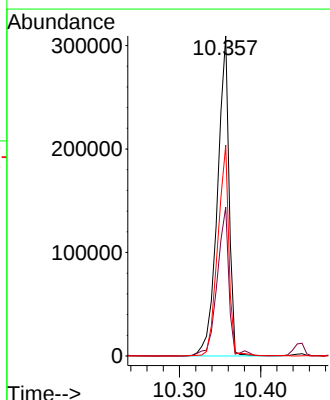
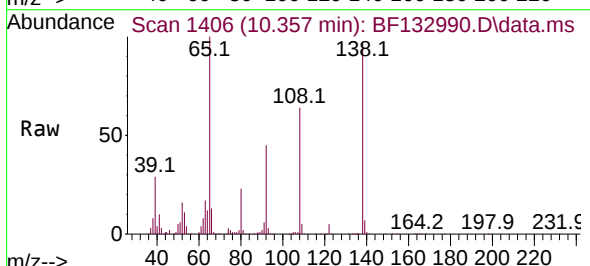
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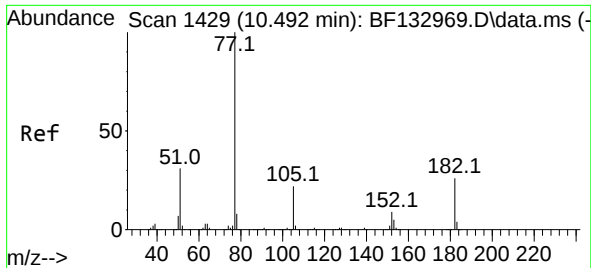
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#62  
4-Nitroaniline  
Concen: 44.421 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

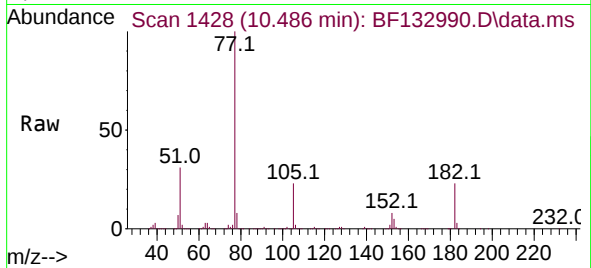
Tgt Ion:138 Resp: 308276  
Ion Ratio Lower Upper  
138 100  
92 46.5 27.7 67.7  
108 65.8 45.2 85.2





#63  
Azobenzene  
Concen: 40.146 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 77 Resp: 113338  
Ion Ratio Lower Upper  
77 100  
182 23.1 5.9 45.9  
105 22.6 2.3 42.3  
51 31.2 11.1 51.1

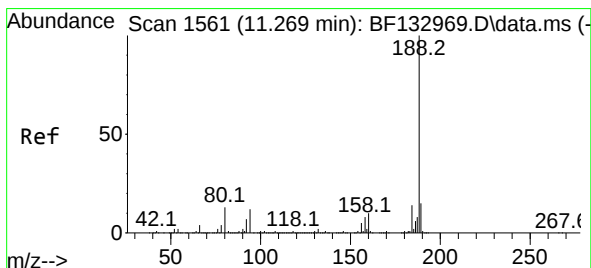
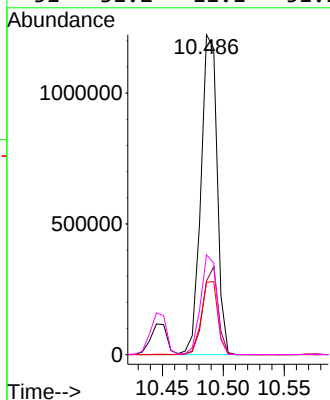
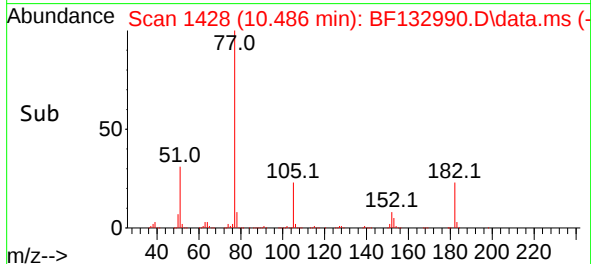
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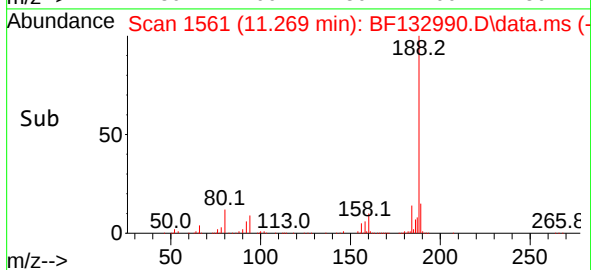
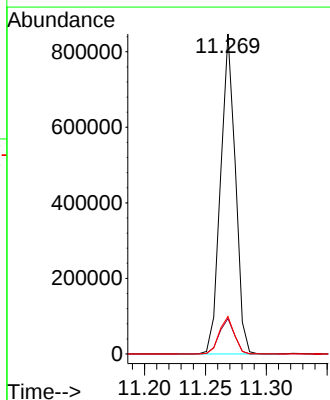
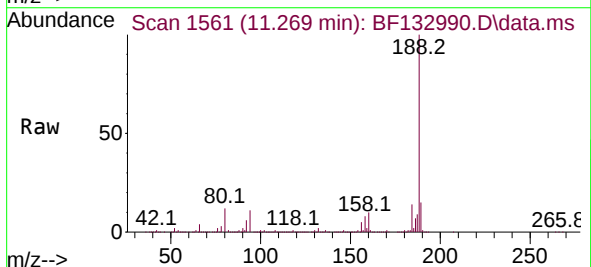
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Upadhyay

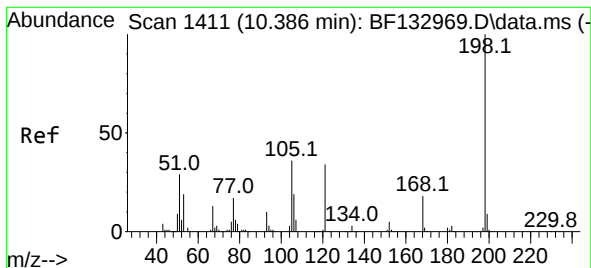
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:188 Resp: 719044  
Ion Ratio Lower Upper  
188 100  
94 11.1 9.7 14.5  
80 11.7 10.4 15.6





#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.020 ng  
RT: 10.380 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

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ClientSampleId :

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Tgt Ion:198 Resp: 204920  
Ion Ratio Lower Upper  
198 100  
51 52.4 15.5 55.5  
105 45.2 16.7 56.7

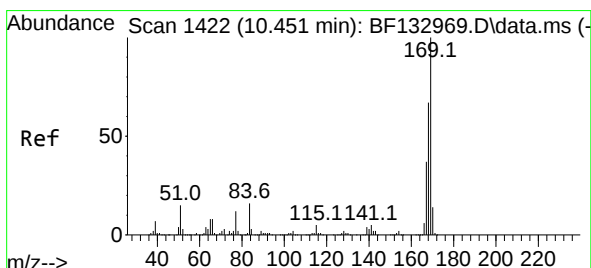
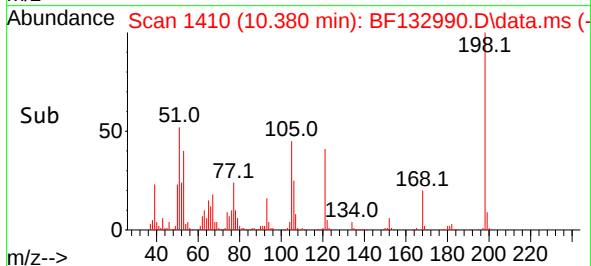
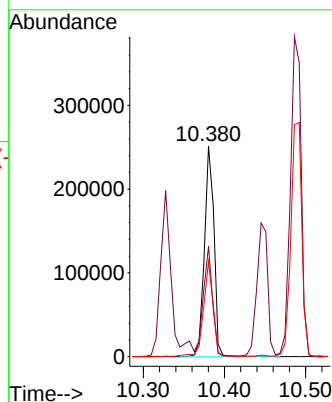
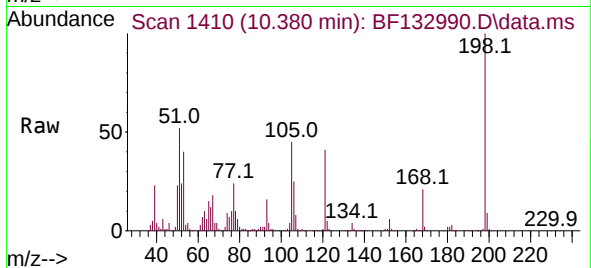
Manual Integrations  
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Supervised By :Jagrut  
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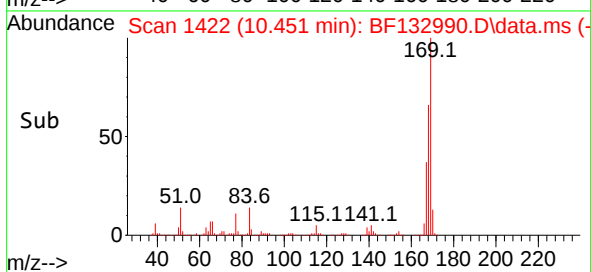
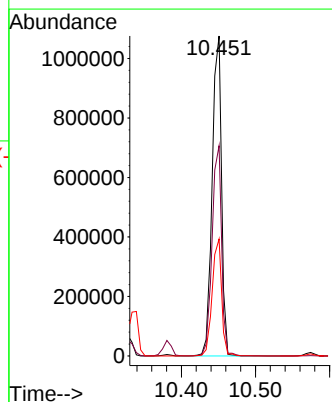
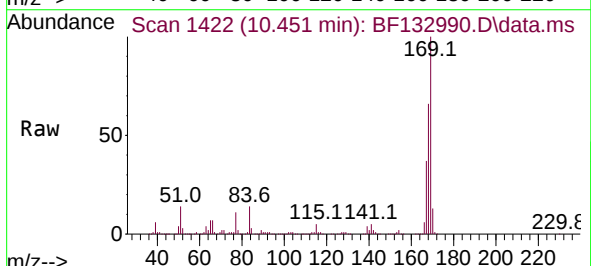
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Upadhyay

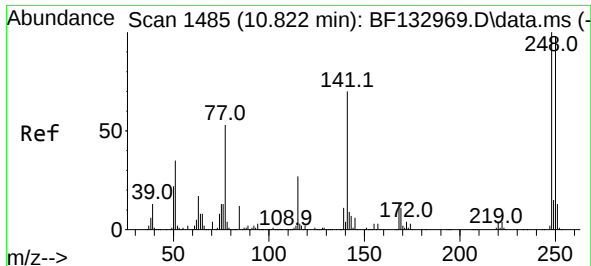
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#66  
n-Nitrosodiphenylamine  
Concen: 40.405 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:169 Resp: 942412  
Ion Ratio Lower Upper  
169 100  
168 65.7 53.8 80.8  
167 36.5 29.7 44.5





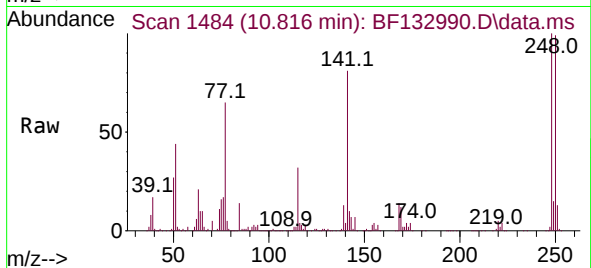
#67  
4-Bromophenyl-phenylether  
Concen: 40.181 ng  
RT: 10.816 min Scan# 1484  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



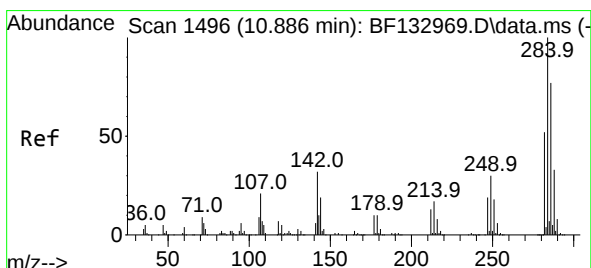
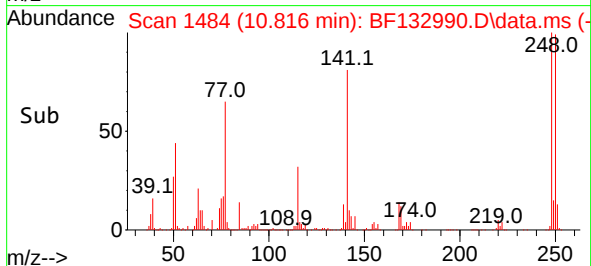
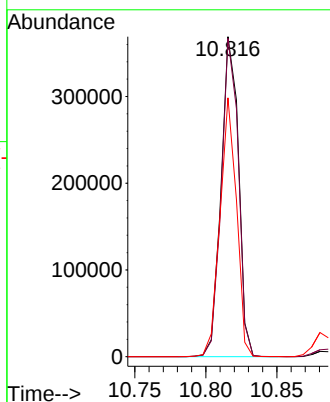
Tgt Ion:248 Resp: 313349  
Ion Ratio Lower Upper  
248 100  
250 99.5 78.7 118.1  
141 80.9 56.3 84.5

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Giraldo

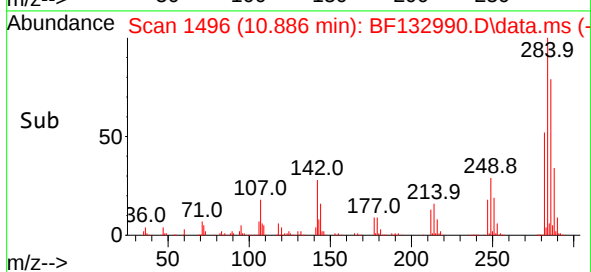
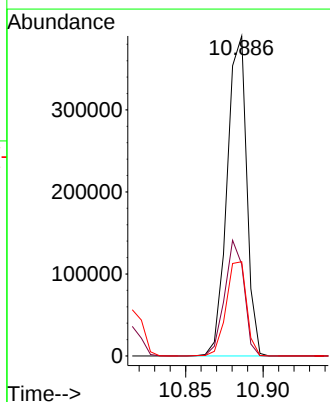
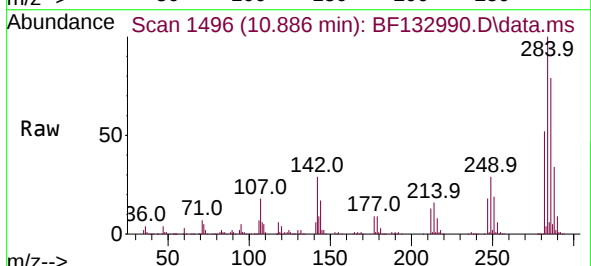
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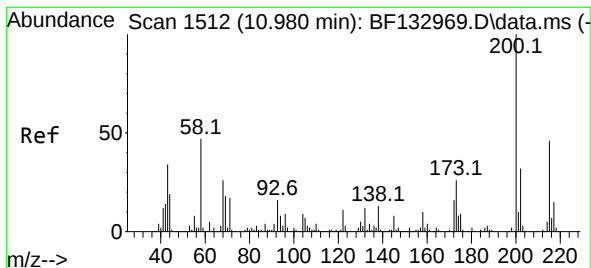
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Upadhyay



#68  
Hexachlorobenzene  
Concen: 42.949 ng  
RT: 10.886 min Scan# 1496  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:284 Resp: 343204  
Ion Ratio Lower Upper  
284 100  
142 28.7 26.0 39.0  
249 29.5 23.7 35.5





#69

Atrazine

Concen: 47.113 ng

RT: 10.980 min Scan# 1512

Delta R.T. -0.000 min

Lab File: BF132990.D

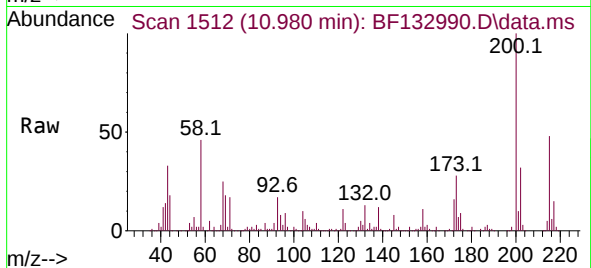
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

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|             |             |
|-------------|-------------|
| Tgt Ion:200 | Resp: 31663 |
| Ion Ratio   | Lower Upper |
| 200 100     |             |
| 173 27.8    | 6.2 46.2    |
| 215 47.6    | 26.3 66.3   |

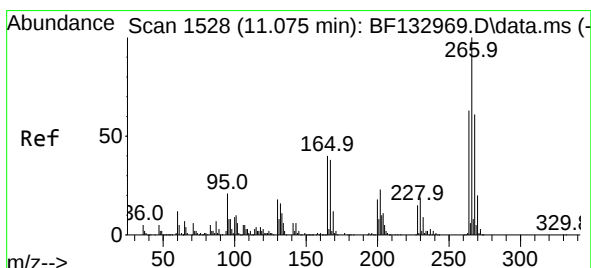
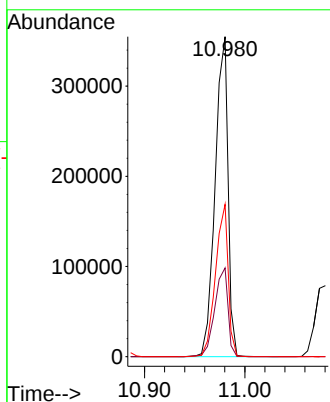
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Giraldo

Supervised By :Jagrut  
Upadhyay  
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#70

Pentachlorophenol

Concen: 75.637 ng

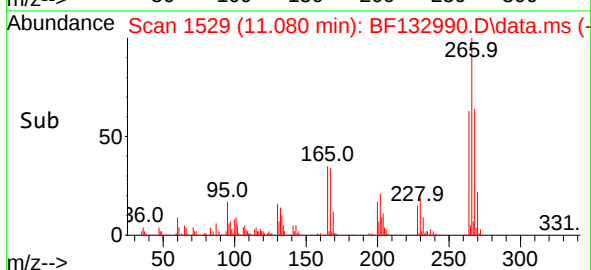
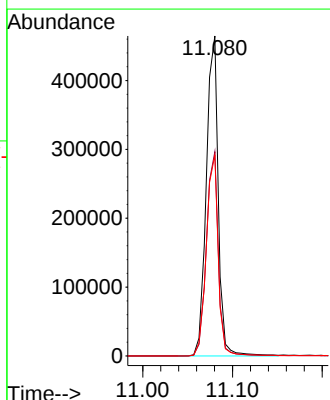
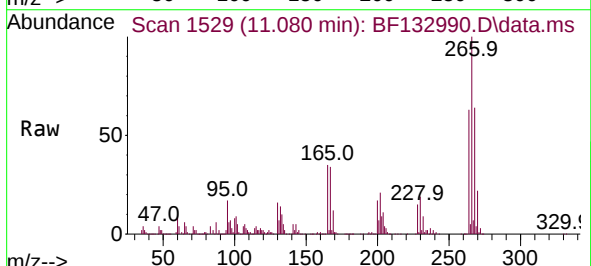
RT: 11.080 min Scan# 1529

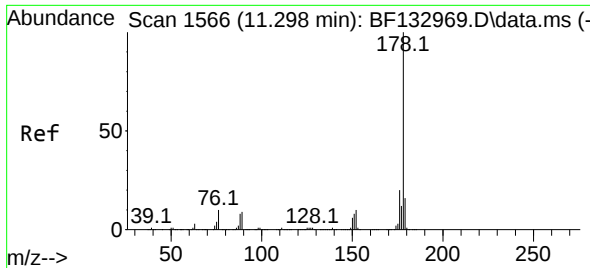
Delta R.T. 0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

|             |              |
|-------------|--------------|
| Tgt Ion:266 | Resp: 430461 |
| Ion Ratio   | Lower Upper  |
| 266 100     |              |
| 268 63.8    | 48.8 73.2    |
| 264 62.7    | 50.6 76.0    |





#71  
Phenanthrene  
Concen: 41.353 ng  
RT: 11.298 min Scan# 1566  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS

Tgt Ion:178 Resp: 1598159  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.9 23.9  
179 15.3 12.5 18.7

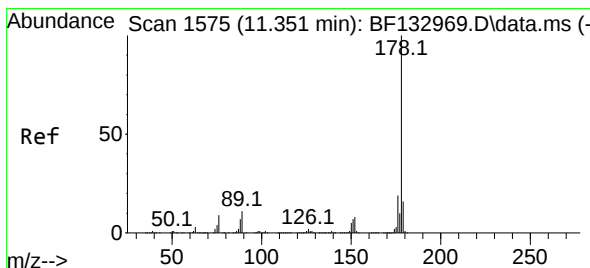
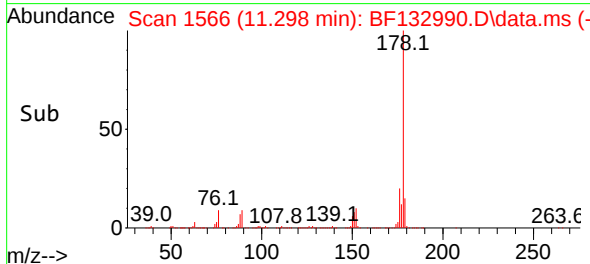
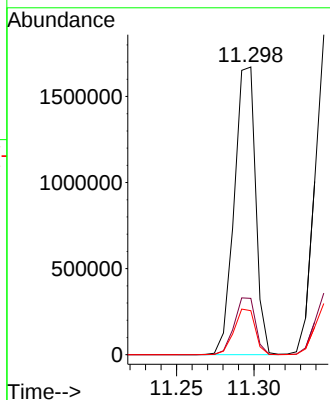
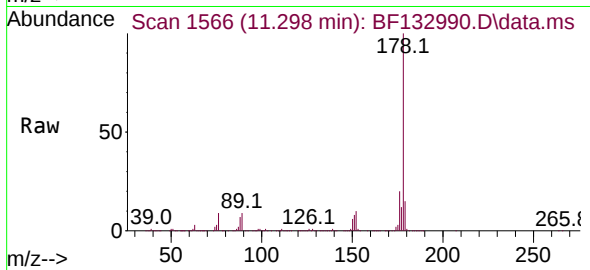
Manual Integrations  
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Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
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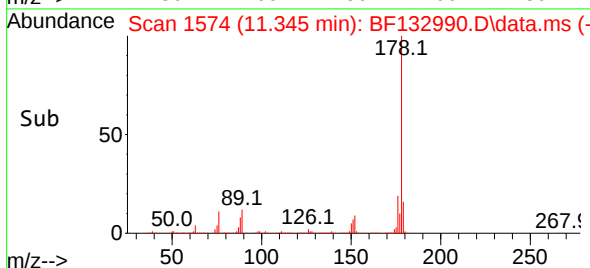
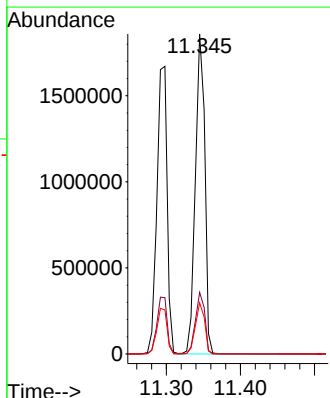
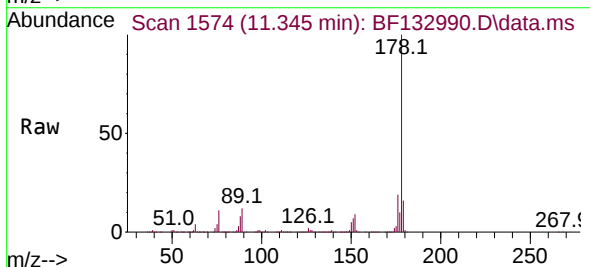
04/25/2023  
Supervised By :Jagrut  
Upadhyay

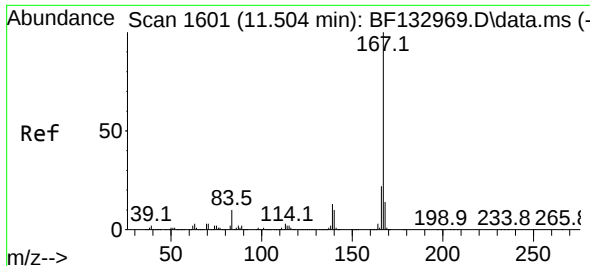
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#72  
Anthracene  
Concen: 41.518 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:178 Resp: 1642058  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 16.0 12.4 18.6





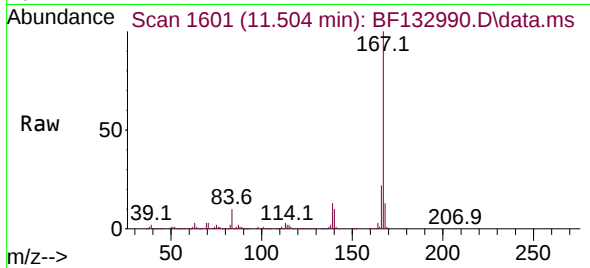
#73  
 Carbazole  
 Concen: 42.797 ng  
 RT: 11.504 min Scan# 1601  
 Delta R.T. -0.000 min  
 Lab File: BF132990.D  
 Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:167 Resp: 1507188  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.4 26.0  
 139 13.1 10.6 16.0

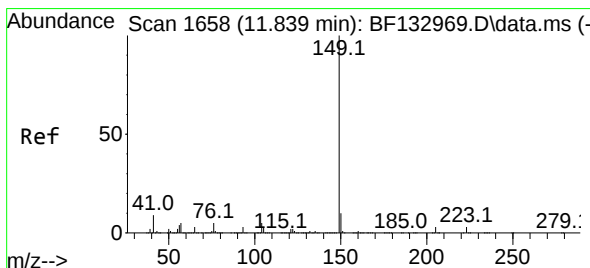
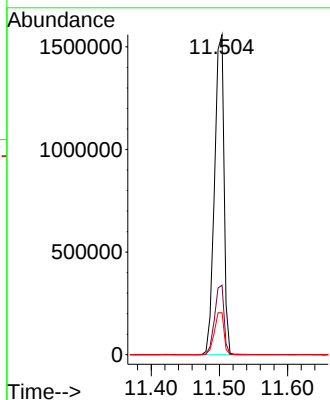
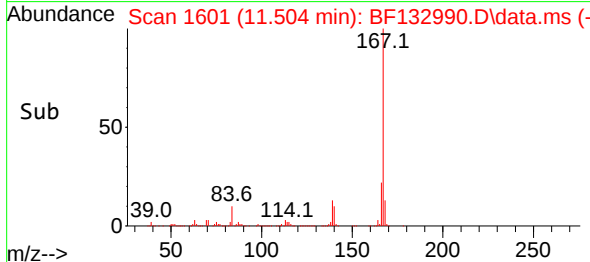
Manual Integrations  
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Reviewed By :Christian  
 Giraldo

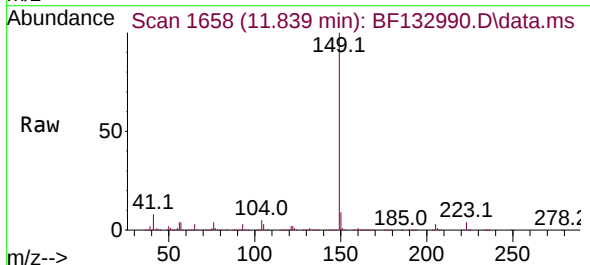
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 Upadhyay  
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04/25/2023  
 Supervised By :Jagrut  
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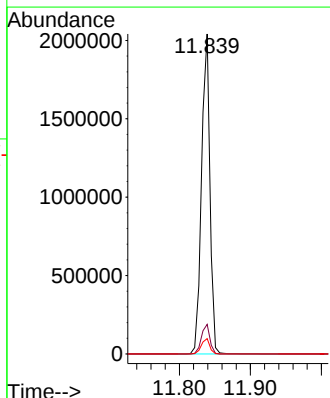
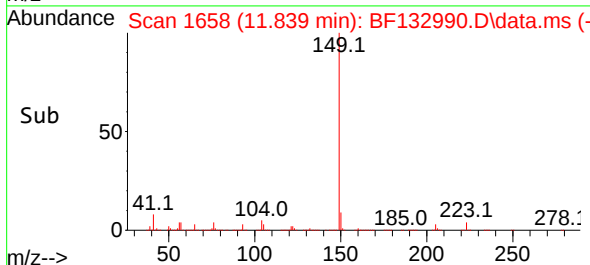
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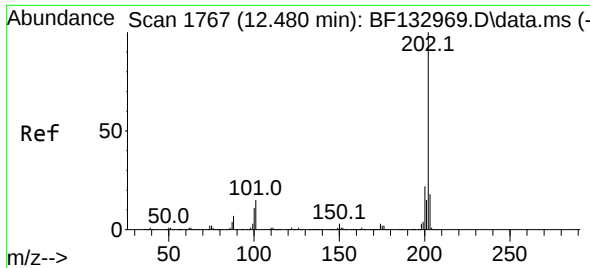


#74  
 Di-n-butylphthalate  
 Concen: 42.108 ng  
 RT: 11.839 min Scan# 1658  
 Delta R.T. -0.000 min  
 Lab File: BF132990.D  
 Acq: 24 Apr 2023 12:27



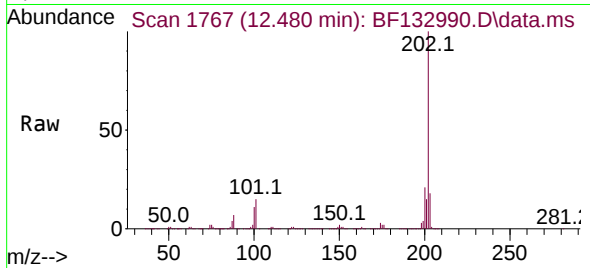
Tgt Ion:149 Resp: 1678153  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.6 11.4  
 104 4.8 4.0 6.0





#75  
Fluoranthene  
Concen: 41.933 ng  
RT: 12.480 min Scan# 1767  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



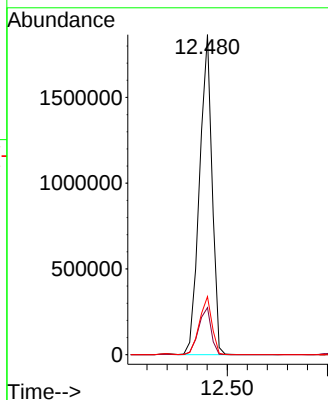
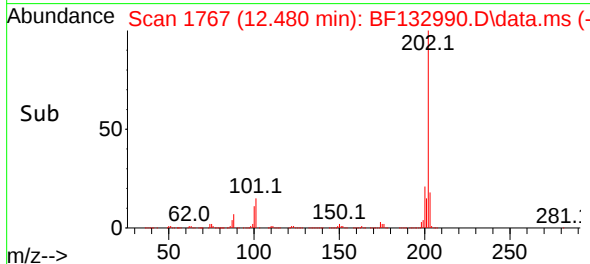
Tgt Ion:202 Resp: 1626409  
Ion Ratio Lower Upper  
202 100  
101 14.7 0.0 35.3  
203 18.1 0.0 38.1

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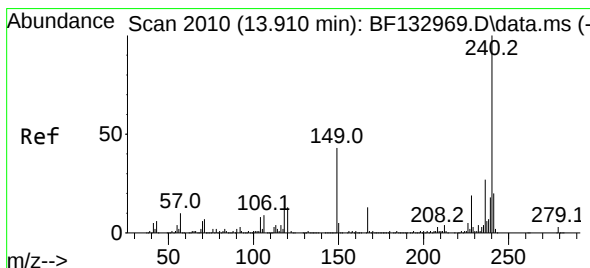
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

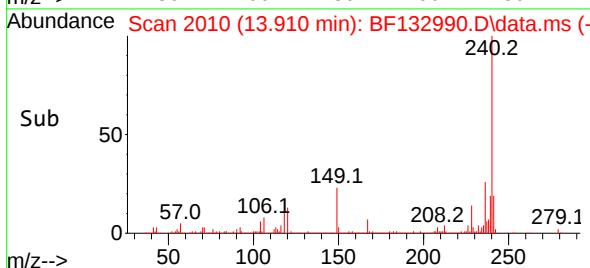
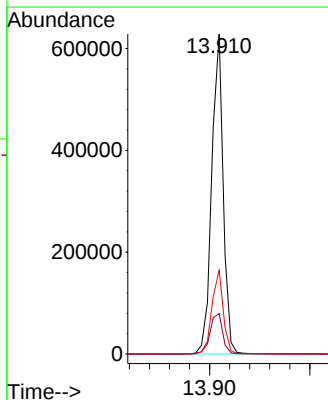
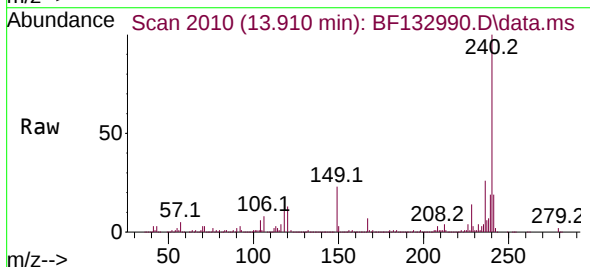


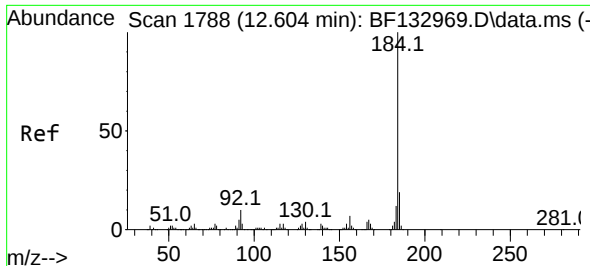
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#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.910 min Scan# 2010  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

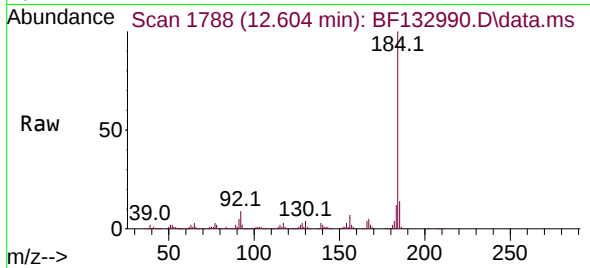
Tgt Ion:240 Resp: 501100  
Ion Ratio Lower Upper  
240 100  
120 12.6 10.5 15.7  
236 26.2 21.5 32.3





#77  
Benzidine  
Concen: 105.712 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



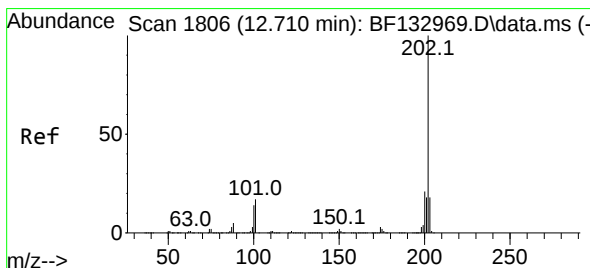
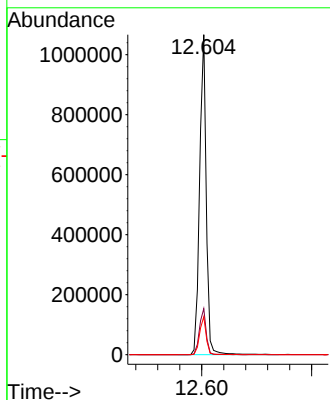
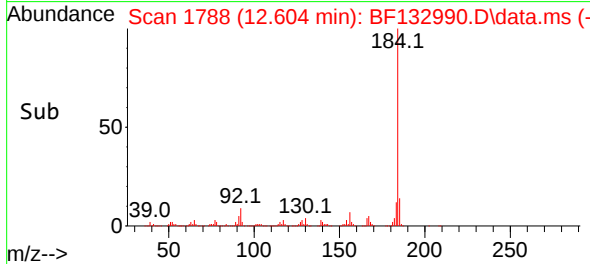
Tgt Ion:184 Resp: 895787  
Ion Ratio Lower Upper  
184 100  
185 14.4 15.4 23.2  
183 11.9 9.4 14.0

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Giraldo

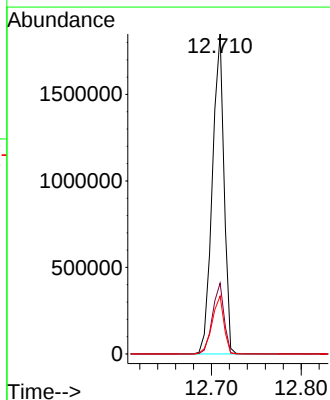
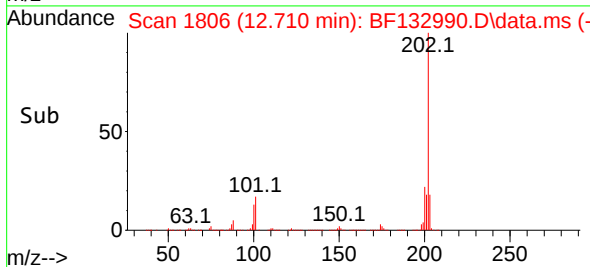
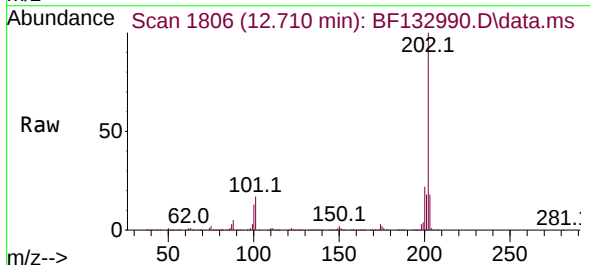
Supervised By :Jagrut  
Upadhyay  
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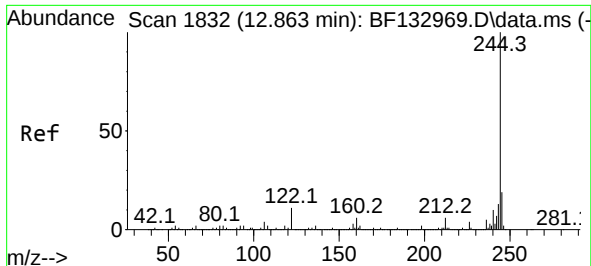
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Supervised By :Jagrut  
Upadhyay



#78  
Pyrene  
Concen: 38.898 ng  
RT: 12.710 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:202 Resp: 1670887  
Ion Ratio Lower Upper  
202 100  
200 22.1 17.1 25.7  
203 18.1 14.1 21.1





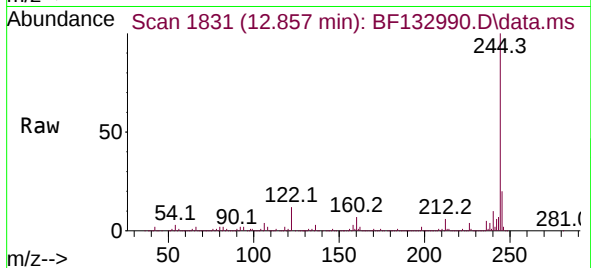
#79  
 Terphenyl-d14  
 Concen: 80.234 ng  
 RT: 12.857 min Scan# 1831  
 Delta R.T. -0.006 min  
 Lab File: BF132990.D  
 Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:244 Resp: 233118  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.1 7.7  
 122 12.1 8.6 13.0

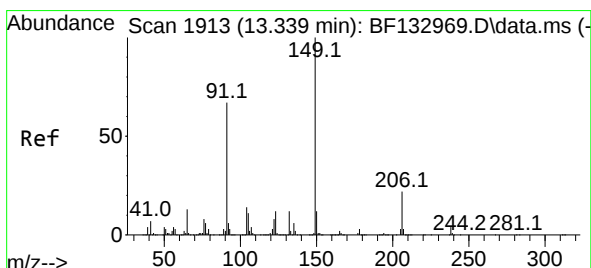
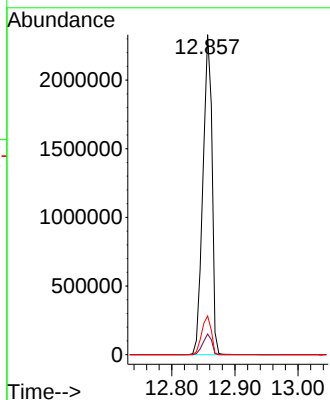
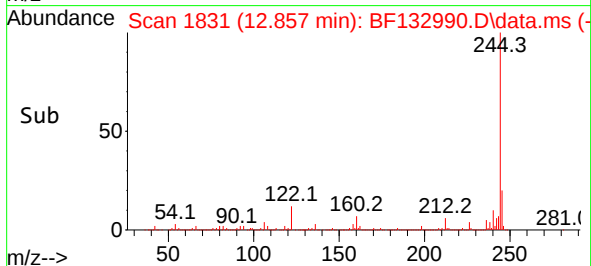
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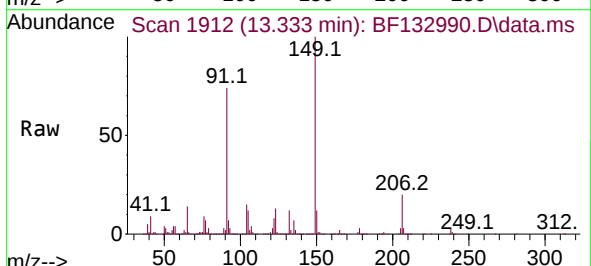
Supervised By :Jagrut  
 Upadhyay  
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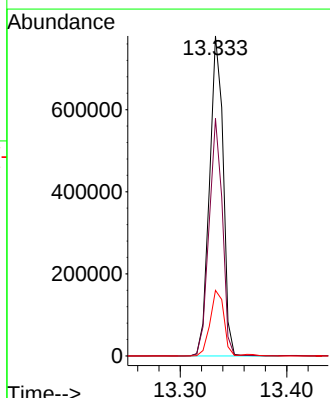
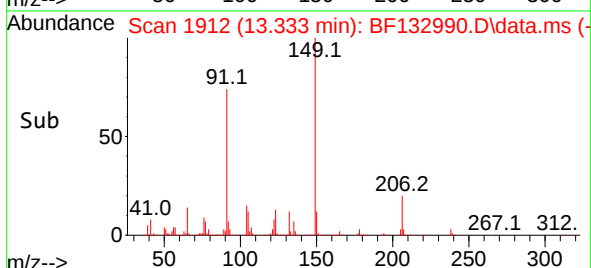
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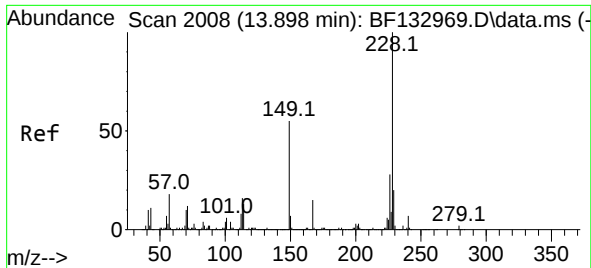


#80  
 Butylbenzylphthalate  
 Concen: 45.650 ng  
 RT: 13.333 min Scan# 1912  
 Delta R.T. -0.006 min  
 Lab File: BF132990.D  
 Acq: 24 Apr 2023 12:27



Tgt Ion:149 Resp: 694314  
 Ion Ratio Lower Upper  
 149 100  
 91 74.2 53.8 80.6  
 206 20.5 17.5 26.3





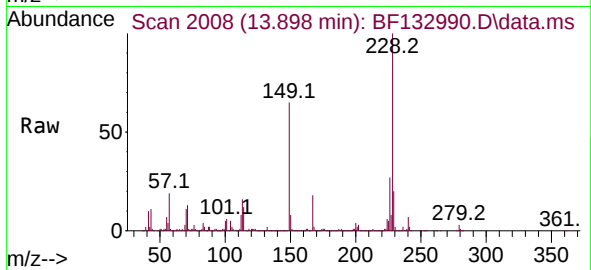
#81  
Benzo(a)anthracene  
Concen: 41.123 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



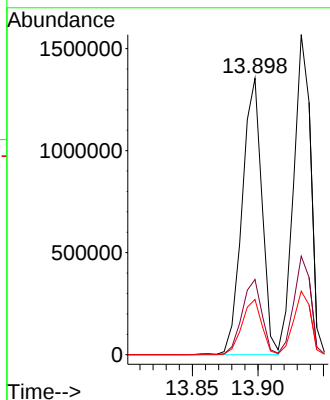
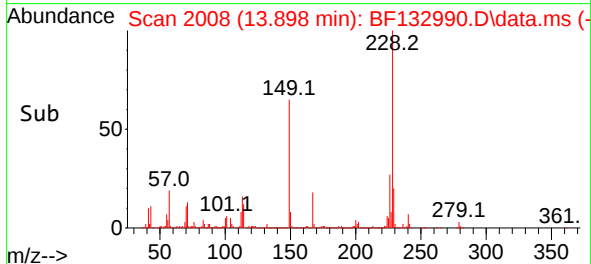
Tgt Ion:228 Resp: 141705  
Ion Ratio Lower Upper  
228 100  
226 27.2 22.2 33.4  
229 20.0 16.0 24.0

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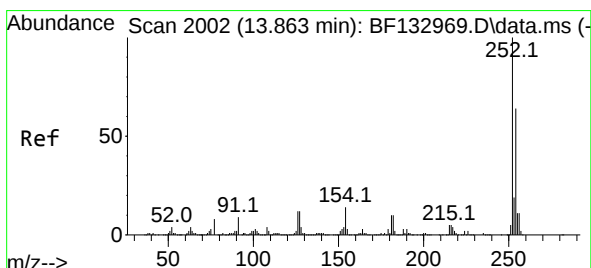
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

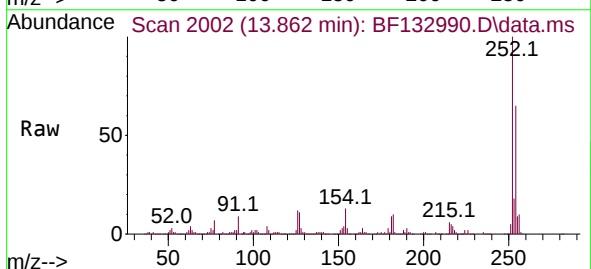
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Supervised By :Jagrut  
Upadhyay



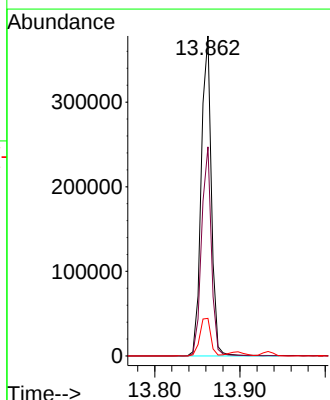
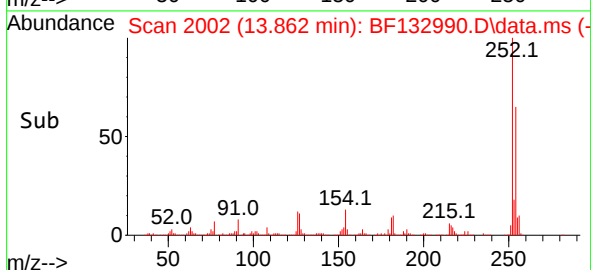
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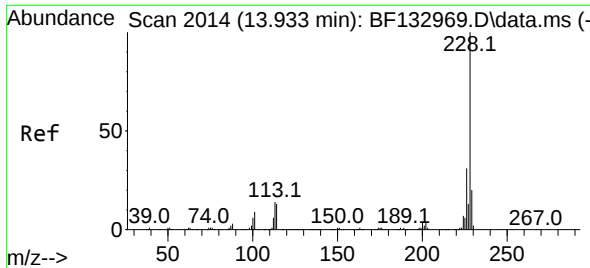


#82  
3,3'-Dichlorobenzidine  
Concen: 32.889 ng  
RT: 13.862 min Scan# 2002  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



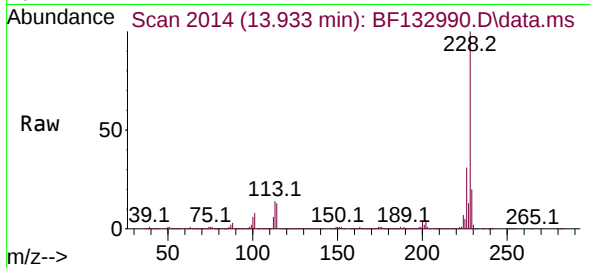
Tgt Ion:252 Resp: 313081  
Ion Ratio Lower Upper  
252 100  
254 65.4 51.5 77.3  
126 11.8 9.5 14.3





#83  
Chrysene  
Concen: 40.947 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :  
BNA\_F  
ClientSampleId :  
PB152338BS



Tgt Ion:228 Resp: 1410662  
Ion Ratio Lower Upper  
228 100  
226 30.8 24.7 37.1  
229 19.8 16.1 24.1

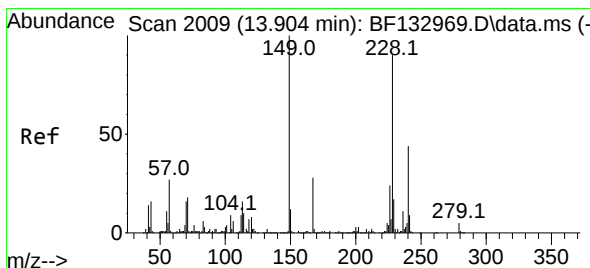
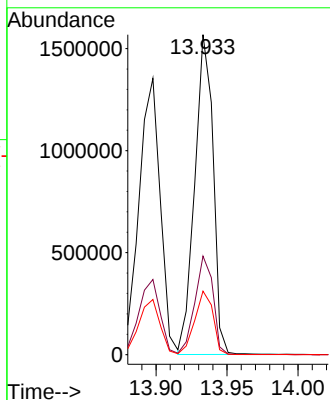
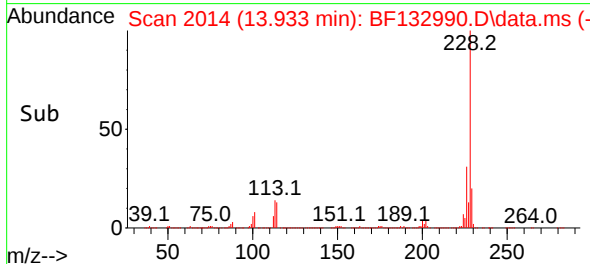
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Supervised By :Jagrut  
Upadhyay  
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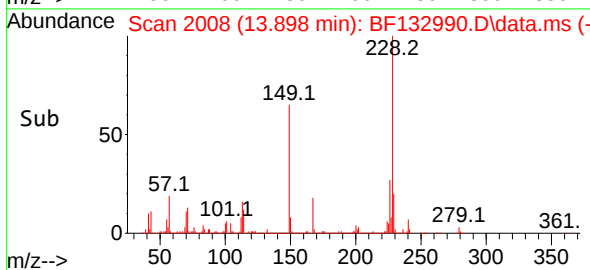
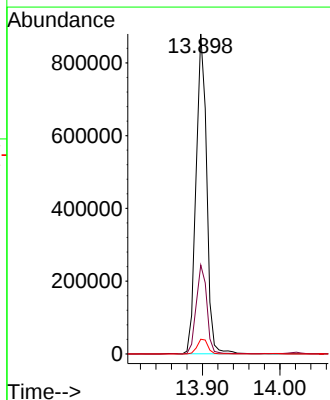
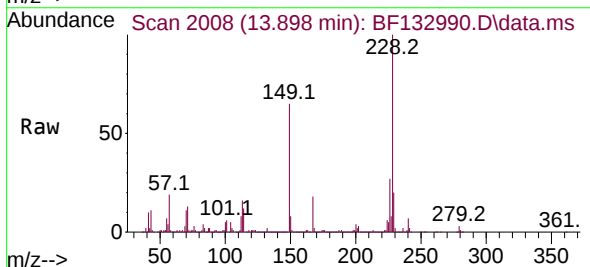
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Supervised By :Jagrut  
Upadhyay

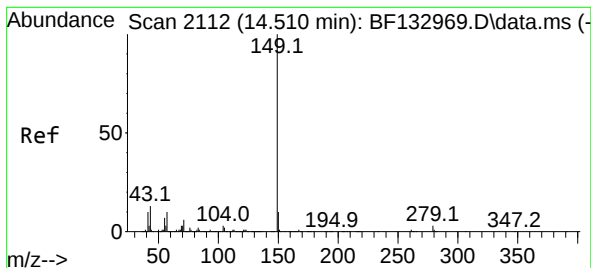
04/25/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 43.723 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:149 Resp: 834698  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.5 33.7  
279 4.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 52.459 ng

RT: 14.509 min Scan# 2112

Delta R.T. -0.000 min

Lab File: BF132990.D

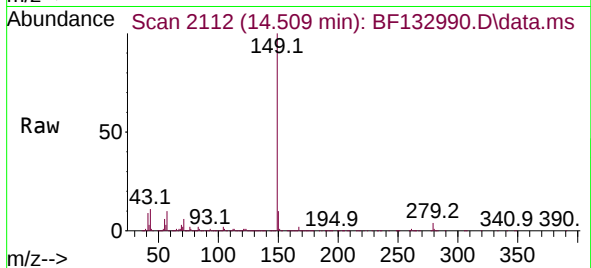
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:149 Resp: 163298

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.3 9.5 14.3

Manual Integrations

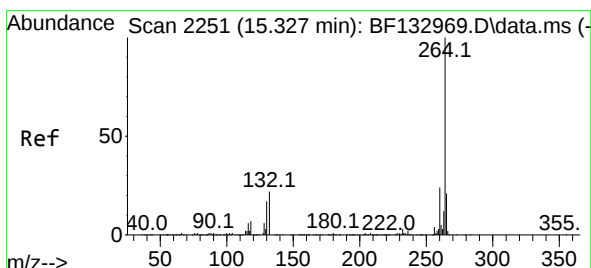
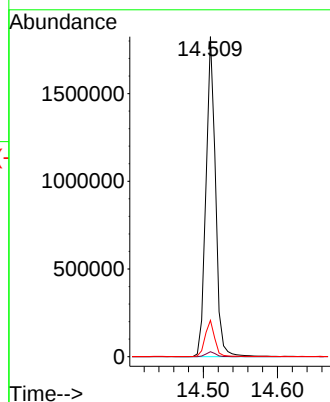
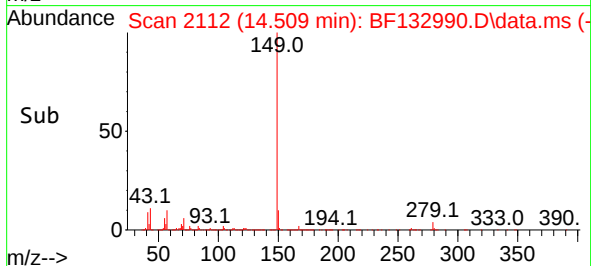
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.333 min Scan# 2252

Delta R.T. 0.006 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

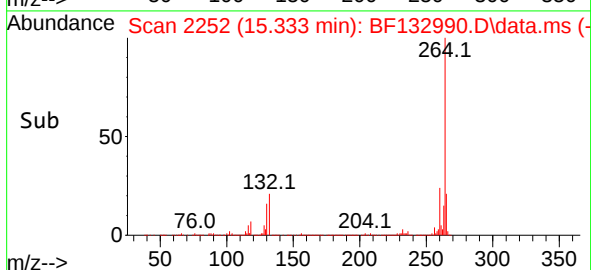
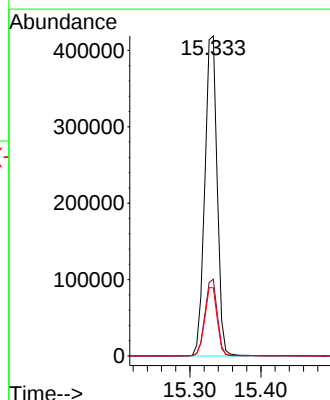
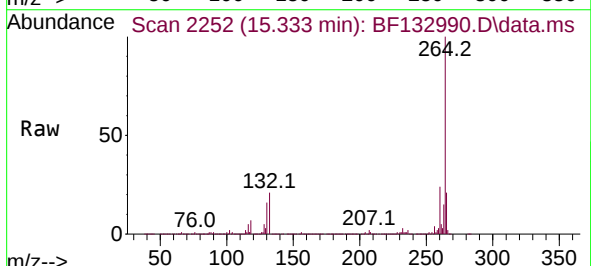
Tgt Ion:264 Resp: 507785

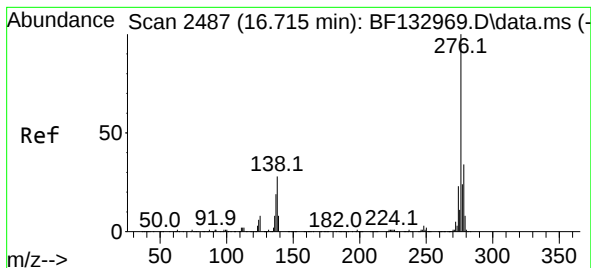
Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.3 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.925 ng

RT: 16.721 min Scan# 2488

Delta R.T. 0.006 min

Lab File: BF132990.D

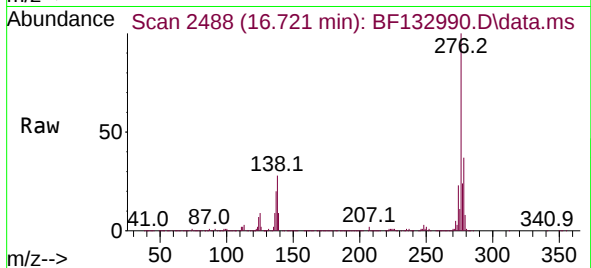
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:276 Resp: 1326488

Ion Ratio Lower Upper

276 100

138 32.5 25.5 38.3

277 25.1 20.4 30.6

Manual Integrations

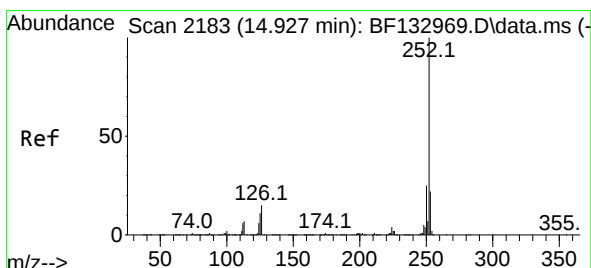
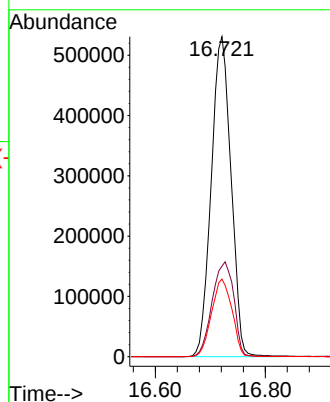
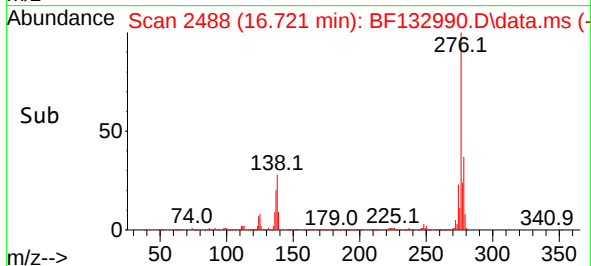
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

04/25/2023  
Supervised By :Jagrut  
Upadhyay

04/25/2023



#88

Benzo(b)fluoranthene

Concen: 44.160 ng

RT: 14.927 min Scan# 2183

Delta R.T. -0.000 min

Lab File: BF132990.D

Acq: 24 Apr 2023 12:27

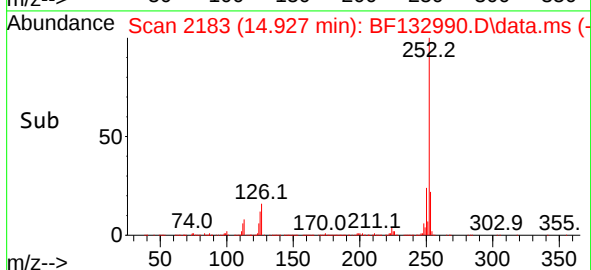
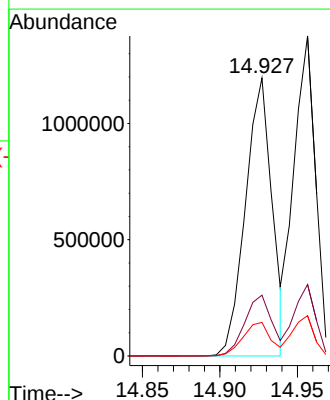
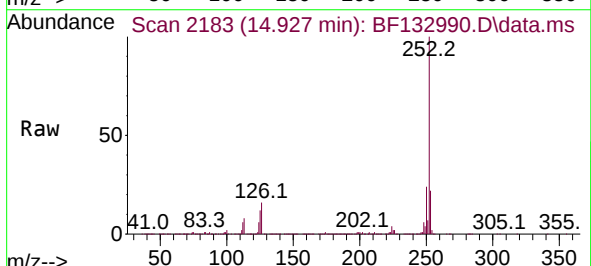
Tgt Ion:252 Resp: 1426589

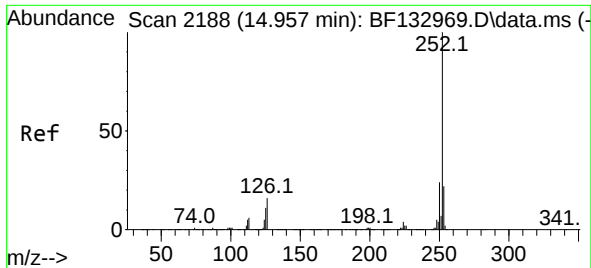
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 12.1 8.9 13.3





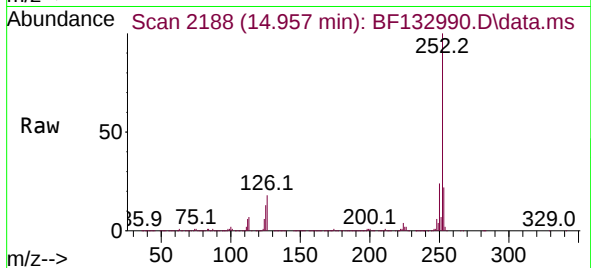
#89  
Benzo(k)fluoranthene  
Concen: 42.023 ng  
RT: 14.957 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



Tgt Ion:252 Resp: 1345700  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 12.6 9.0 13.4

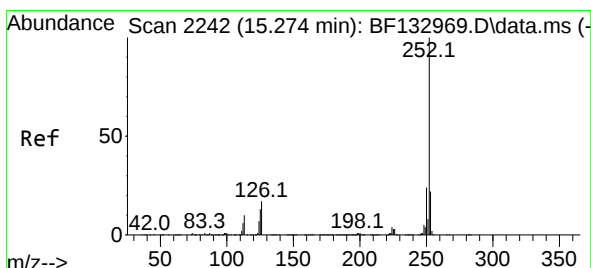
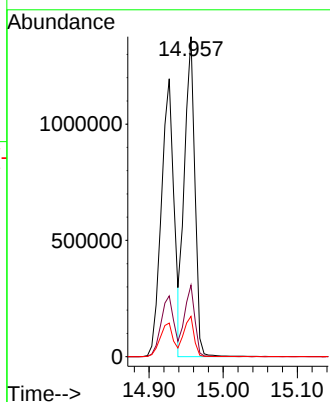
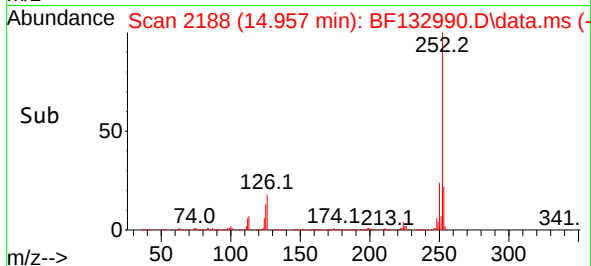
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
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04/25/2023

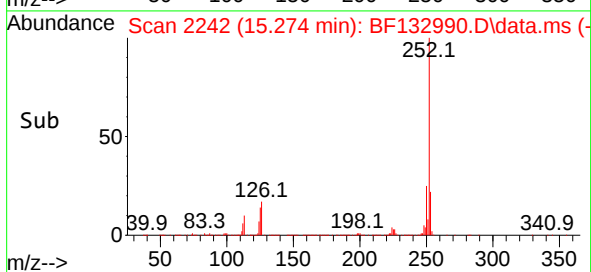
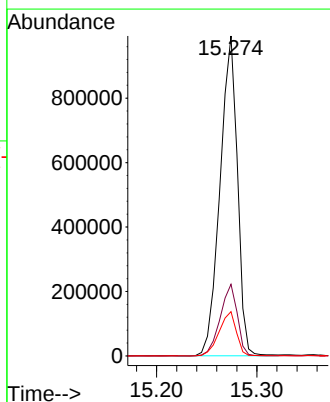
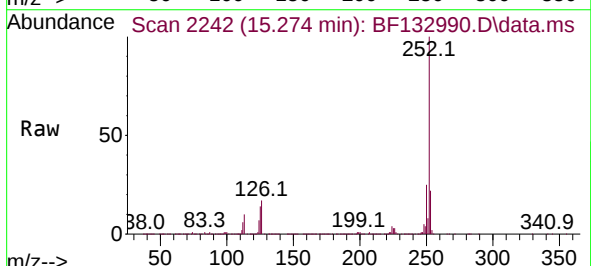
04/25/2023  
Supervised By :Jagrut  
Upadhyay

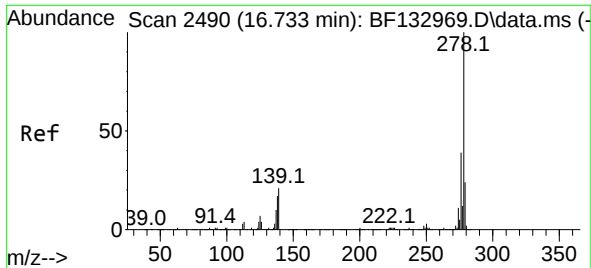
04/25/2023



#90  
Benzo(a)pyrene  
Concen: 40.690 ng  
RT: 15.274 min Scan# 2242  
Delta R.T. -0.000 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Tgt Ion:252 Resp: 1196455  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.7 26.5  
125 13.9 10.5 15.7





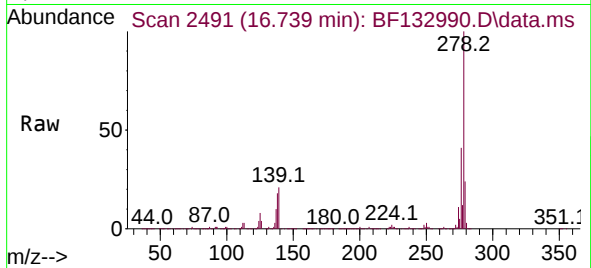
#91  
Dibenzo(a,h)anthracene  
Concen: 46.262 ng  
RT: 16.739 min Scan# 2490  
Delta R.T. 0.006 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27

Instrument :

BNA\_F

ClientSampleId :

PB152338BS



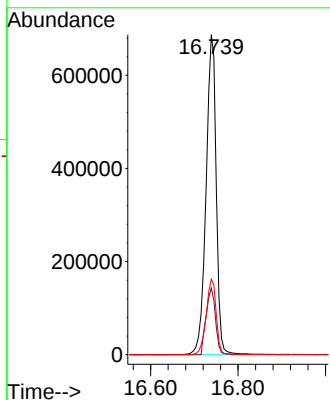
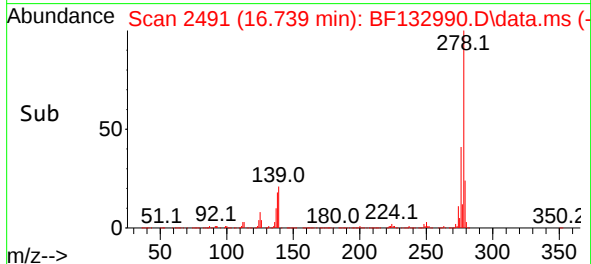
Tgt Ion:278 Resp: 111446  
Ion Ratio Lower Upper  
278 100  
139 20.9 16.6 24.8  
279 23.6 18.8 28.2

Manual Integrations  
APPROVED

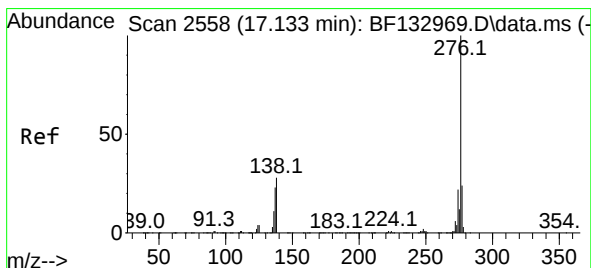
Reviewed By :Christian  
Giraldo

Supervised By :Jagrut  
Upadhyay  
04/25/2023

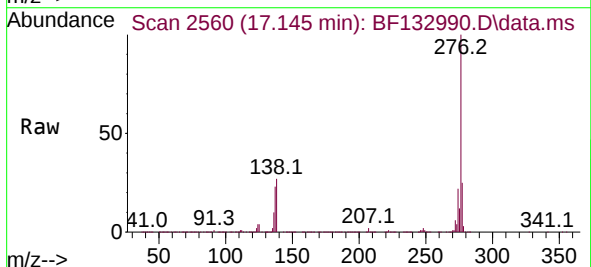
04/25/2023  
Supervised By :Jagrut  
Upadhyay



04/25/2023



#92  
Benzo(g,h,i)perylene  
Concen: 45.866 ng  
RT: 17.145 min Scan# 2560  
Delta R.T. 0.012 min  
Lab File: BF132990.D  
Acq: 24 Apr 2023 12:27



Tgt Ion:276 Resp: 1090847  
Ion Ratio Lower Upper  
276 100  
277 24.5 19.4 29.0  
138 26.7 22.7 34.1

