

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM022023\  
 Data File : BM038788.D  
 Acq On : 20 Feb 2023 15:42  
 Operator : CG/JU  
 Sample : PB150932BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150932BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/21/2023  
 Supervised By : Jagrut Upadhyay 02/21/2023

Quant Time: Feb 21 02:07:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 21 02:04:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.881  | 152  | 65838    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.692 | 136  | 260450   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.539 | 164  | 159076   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.286 | 188  | 264746   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.468 | 240  | 211986   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.844 | 264  | 199954   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 508329   | 151.246 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.063  | 99   | 587898   | 153.368 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.063  | 82   | 341225   | 74.416  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.033 | 330  | 257922   | 119.287 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.157 | 172  | 974093   | 77.958  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.909 | 244  | 1148751  | 95.627  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.275  | 88   | 43326    | 29.241  | ng    | 96       |
| 3) Pyridine                   | 3.693  | 79   | 101169   | 28.714  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.604  | 42   | 58527    | 36.796  | ng    | 85       |
| 6) Aniline                    | 7.210  | 93   | 139587   | 29.192  | ng    | 92       |
| 8) 2-Chlorophenol             | 7.445  | 128  | 192820   | 52.577  | ng    | 95       |
| 10) Phenol                    | 7.087  | 94   | 204652   | 52.847  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.310  | 93   | 151568   | 48.329  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.763  | 146  | 216346   | 46.171  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.916  | 146  | 221042   | 46.742  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.234  | 146  | 211802   | 46.752  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.134  | 79   | 133370   | 47.271  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.404  | 45   | 124526   | 41.920  | ng    | 96       |
| 17) 2-Methylphenol            | 8.339  | 107  | 144543   | 48.661  | ng    | 97       |
| 18) Hexachloroethane          | 8.951  | 117  | 77185    | 50.540  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 8.704  | 70   | 108957   | 47.156  | ng    | 92       |
| 20) 3+4-Methylphenols         | 8.675  | 107  | 192318   | 48.561  | ng    | 95       |
| 22) Acetophenone              | 8.722  | 105  | 254535   | 40.980  | ng    | # 96     |
| 24) Nitrobenzene              | 9.104  | 77   | 171935   | 36.943  | ng    | # 88     |
| 25) Isophorone                | 9.628  | 82   | 307147   | 38.238  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.810  | 139  | 108800   | 42.011  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.880  | 122  | 162679   | 43.537  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.110 | 93   | 198538   | 40.444  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.351 | 162  | 194888   | 36.712  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.557 | 180  | 195737   | 34.663  | ng    | 98       |
| 31) Naphthalene               | 10.745 | 128  | 545572   | 40.820  | ng    | 99       |
| 32) Benzoic acid              | 10.063 | 122  | 125250   | 41.409  | ng    | 95       |
| 33) 4-Chloroaniline           | 10.869 | 127  | 111134   | 18.973  | ng    | 92       |
| 34) Hexachlorobutadiene       | 11.016 | 225  | 114601   | 40.513  | ng    | 96       |
| 35) Caprolactam               | 11.686 | 113  | 42561    | 37.227  | ng    | 94       |
| 36) 4-Chloro-3-methylphenol   | 12.004 | 107  | 150927   | 38.449  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.357 | 142  | 395673   | 36.635  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.574 | 142  | 369735   | 36.330  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.727 | 216  | 177046   | 42.765  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.692 | 237  | 239025   | 93.042  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.974 | 196  | 129684   | 39.873  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 13.057 | 196  | 137465   | 35.916  | ng    | 96       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 13.368 | 154  | 530301   | 42.084 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.416 | 162  | 412111   | 41.562 | ng    | 95       |
| 48) 2-Nitroaniline            | 13.633 | 65   | 82748    | 37.476 | ng    | 95       |
| 49) Acenaphthylene            | 14.263 | 152  | 627825   | 40.199 | ng    | 99       |
| 50) Dimethylphthalate         | 14.004 | 163  | 490349   | 37.773 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.133 | 165  | 102158   | 38.719 | ng    | 97       |
| 52) Acenaphthene              | 14.604 | 154  | 367912   | 39.453 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.463 | 138  | 80908    | 29.935 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.680 | 184  | 122907   | 71.568 | ng    | # 86     |
| 55) Dibenzofuran              | 14.939 | 168  | 584224   | 36.381 | ng    | 95       |
| 56) 4-Nitrophenol             | 14.786 | 139  | 159414   | 75.335 | ng    | 92       |
| 57) 2,4-Dinitrotoluene        | 14.921 | 165  | 138316   | 35.952 | ng    | 94       |
| 58) Fluorene                  | 15.586 | 166  | 471149   | 37.080 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.168 | 232  | 102473   | 38.468 | ng    | 97       |
| 60) Diethylphthalate          | 15.362 | 149  | 488612   | 39.731 | ng    | 95       |
| 61) 4-Chlorophenyl-phenyle... | 15.580 | 204  | 220925   | 40.985 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.627 | 138  | 97489m   | 34.917 | ng    |          |
| 63) Azobenzene                | 15.874 | 77   | 369824   | 39.086 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 15.686 | 198  | 66759    | 40.056 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.798 | 169  | 378583   | 43.795 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.474 | 248  | 124031   | 48.520 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.586 | 284  | 148811   | 47.633 | ng    | 93       |
| 69) Atrazine                  | 16.751 | 200  | 40447    | 16.144 | ng    | 100      |
| 70) Pentachlorophenol         | 16.939 | 266  | 172120   | 75.577 | ng    | 97       |
| 71) Phenanthrene              | 17.327 | 178  | 642351   | 40.862 | ng    | 99       |
| 72) Anthracene                | 17.421 | 178  | 643114   | 39.991 | ng    | 99       |
| 73) Carbazole                 | 17.698 | 167  | 580245   | 38.688 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.245 | 149  | 776473   | 45.823 | ng    | 99       |
| 75) Fluoranthene              | 19.345 | 202  | 629288   | 38.127 | ng    | 100      |
| 77) Benzidine                 | 19.539 | 184  | 133522   | 22.718 | ng    | 99       |
| 78) Pyrene                    | 19.709 | 202  | 645446   | 39.547 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.597 | 149  | 309426   | 38.484 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.450 | 228  | 594976   | 39.678 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.386 | 252  | 195989   | 37.991 | ng    | 99       |
| 83) Chrysene                  | 21.503 | 228  | 547236   | 37.877 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.368 | 149  | 457380   | 38.976 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.280 | 149  | 749860   | 39.033 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.332 | 276  | 777085   | 49.340 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 23.121 | 252  | 600032   | 50.101 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.168 | 252  | 615535   | 50.612 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.744 | 252  | 519896   | 43.896 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 26.338 | 278  | 685096   | 51.703 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.091 | 276  | 625718   | 46.715 | ng    | 99       |

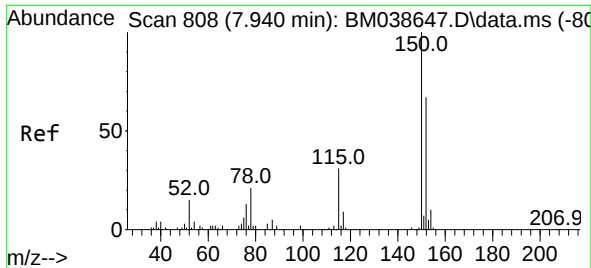
(#) = qualifier out of range (m) = manual integration (+) = signals summed

## Manual Integrations

|                                |            |
|--------------------------------|------------|
| Reviewed By :Christian Giraldo | 02/21/2023 |
| Supervised By :Jagrut Upadhyay | 02/21/2023 |

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Feb 21 02:04:34 2023  
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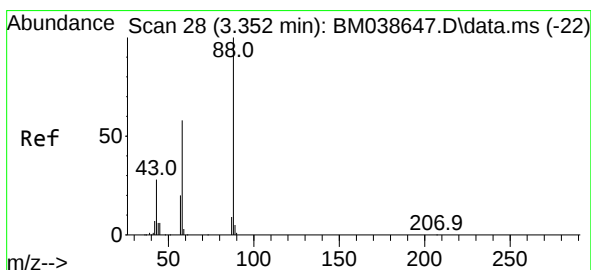
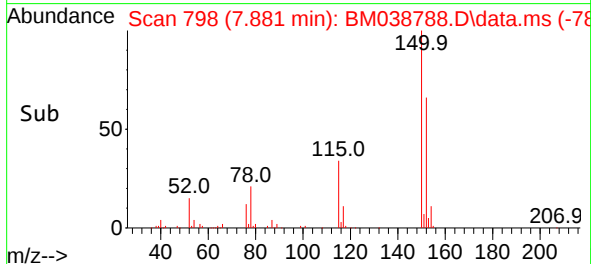
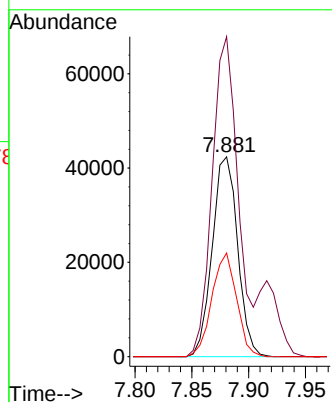
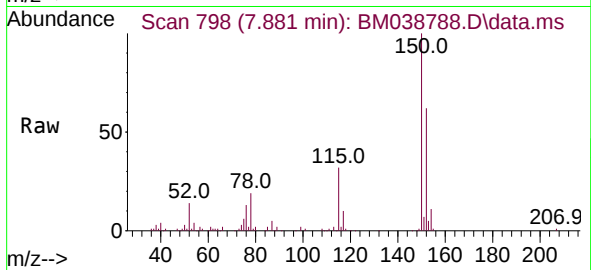
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.881 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:152 Resp: 65838  
Ion Ratio Lower Upper  
152 100  
150 160.2 119.5 179.3  
115 51.9 37.6 56.4

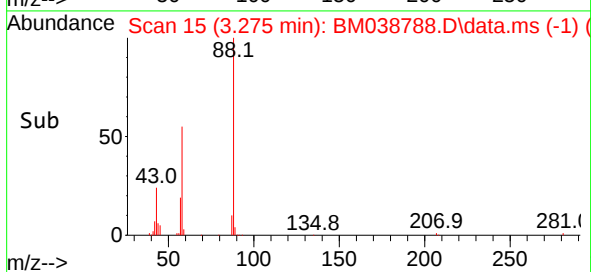
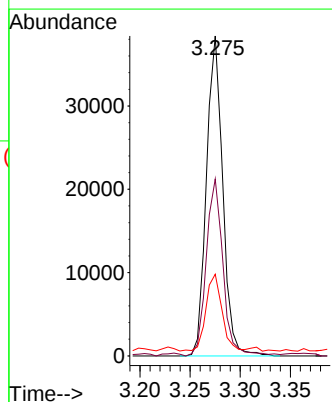
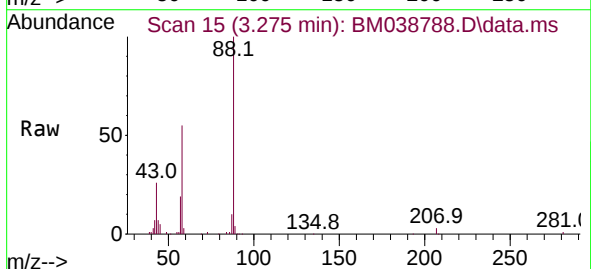
Manual Integrations  
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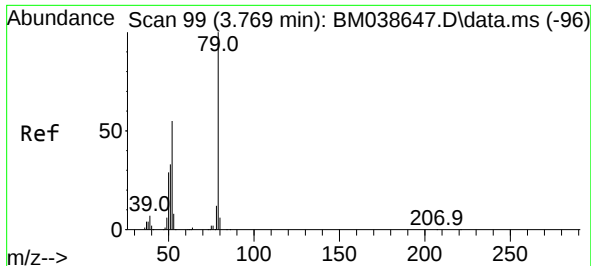
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#2  
1,4-Dioxane  
Concen: 29.241 ng  
RT: 3.275 min Scan# 15  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

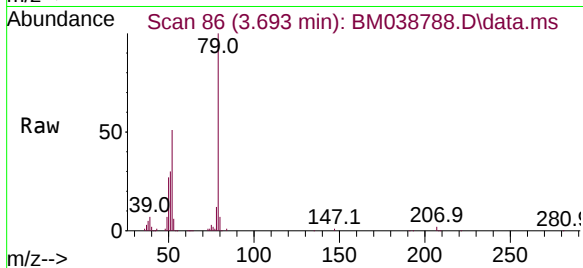
Tgt Ion: 88 Resp: 43326  
Ion Ratio Lower Upper  
88 100  
58 57.0 47.0 70.4  
43 23.6 22.6 33.8





#3  
Pyridine  
Concen: 28.714 ng  
RT: 3.693 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

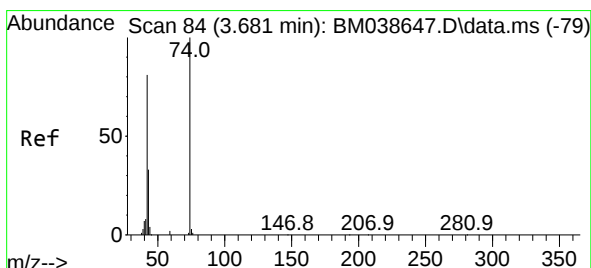
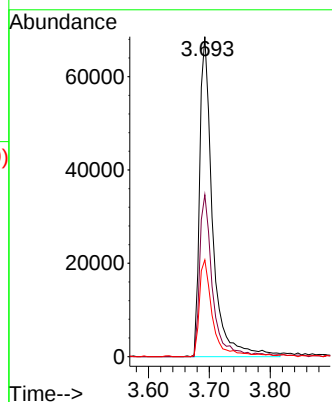
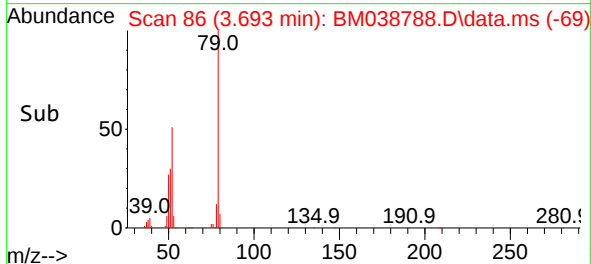
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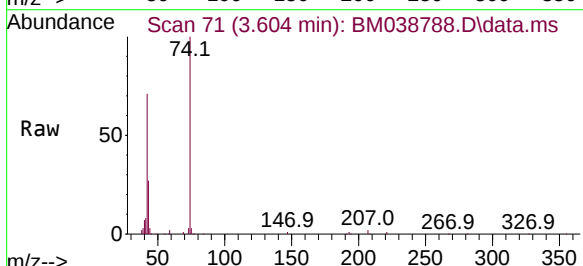
Tgt Ion: 79 Resp: 101169  
Ion Ratio Lower Upper  
79 100  
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51 30.2 26.6 40.0

Manual Integrations  
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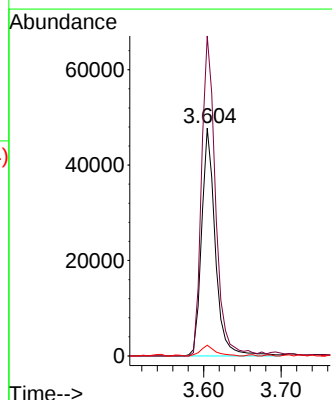
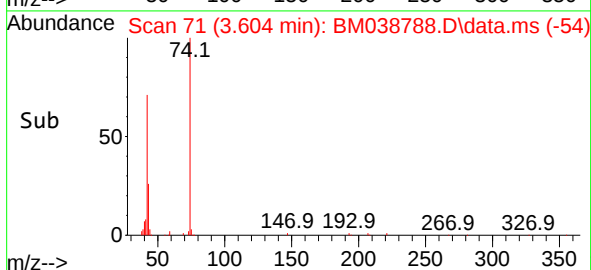
Reviewed By :Christian Giraldo 02/21/2023  
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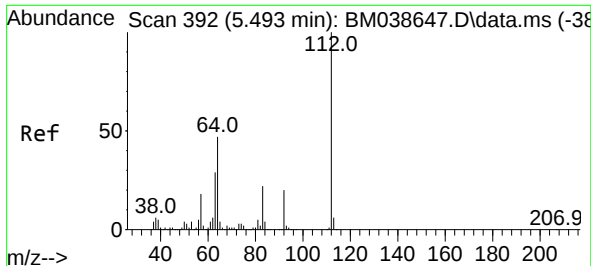


#4  
n-Nitrosodimethylamine  
Concen: 36.796 ng  
RT: 3.604 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



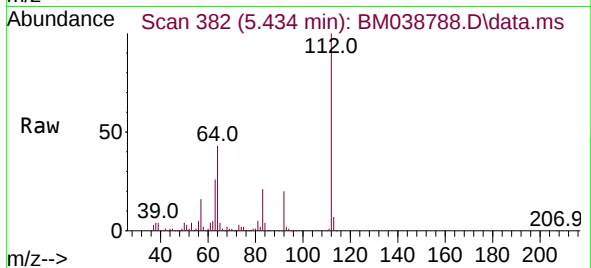
Tgt Ion: 42 Resp: 58527  
Ion Ratio Lower Upper  
42 100  
74 140.5 98.4 147.6  
44 4.7 3.5 5.3





#5  
2-Fluorophenol  
Concen: 151.246 ng  
RT: 5.434 min Scan# 382  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

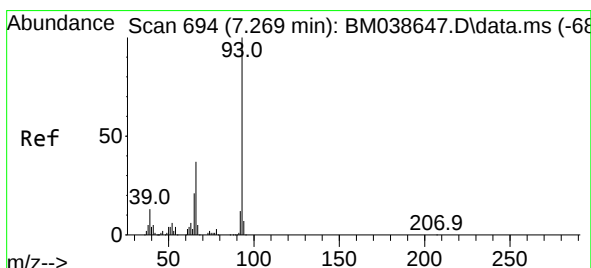
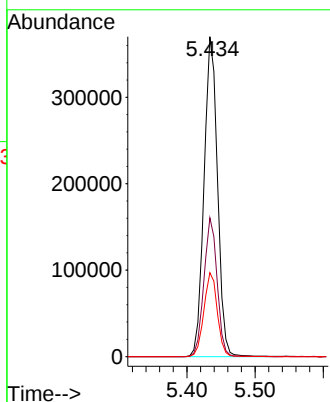
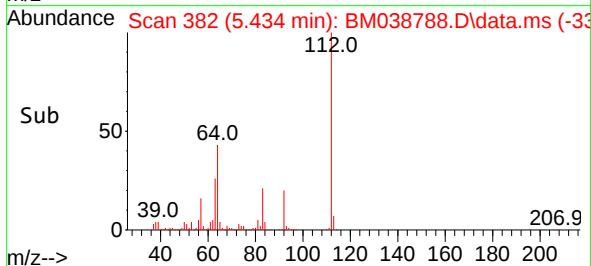
Instrument :  
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Tgt Ion: 112 Resp: 508329  
Ion Ratio Lower Upper  
112 100  
64 43.4 37.9 56.9  
63 26.2 23.3 34.9

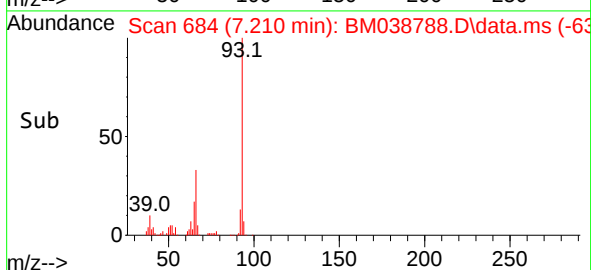
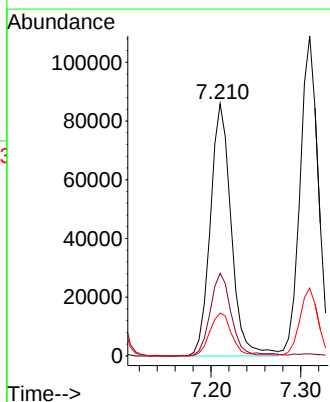
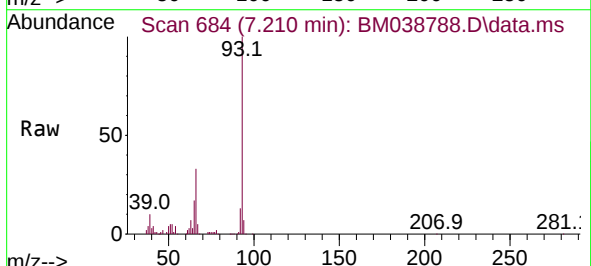
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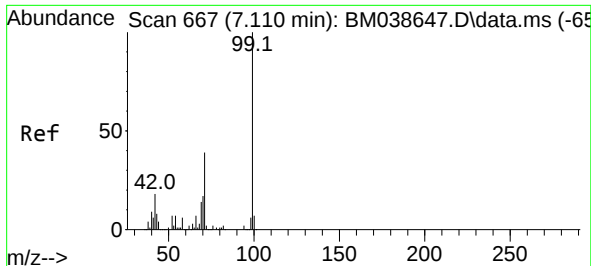
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#6  
Aniline  
Concen: 29.192 ng  
RT: 7.210 min Scan# 684  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

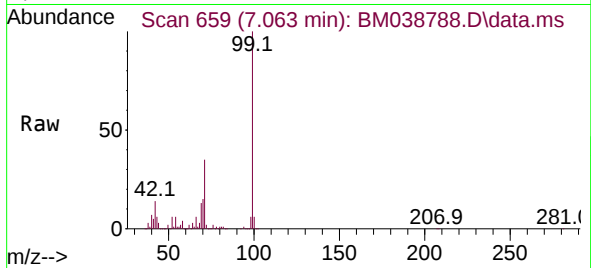
Tgt Ion: 93 Resp: 139587  
Ion Ratio Lower Upper  
93 100  
66 32.8 29.8 44.8  
65 17.0 16.9 25.3





#7  
Phenol-d6  
Concen: 153.368 ng  
RT: 7.063 min Scan# 659  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

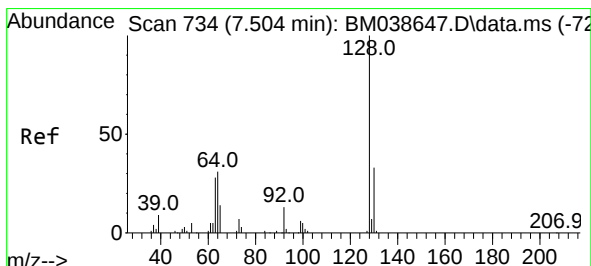
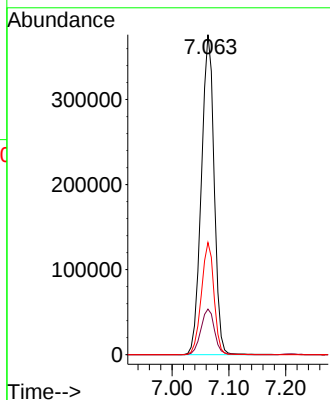
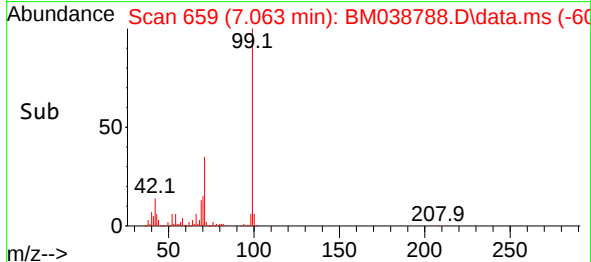
Instrument :  
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Tgt Ion: 99 Resp: 587898  
Ion Ratio Lower Upper  
99 100  
42 14.2 14.6 22.0  
71 35.0 31.0 46.4

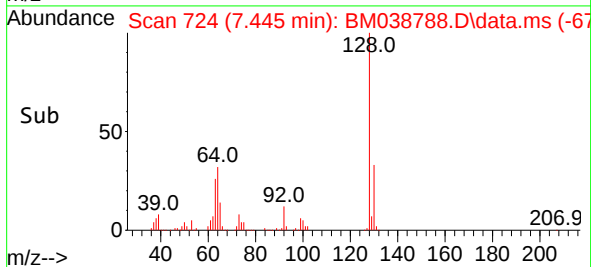
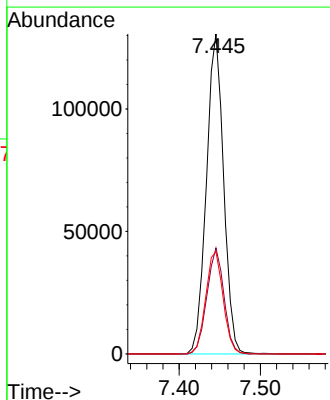
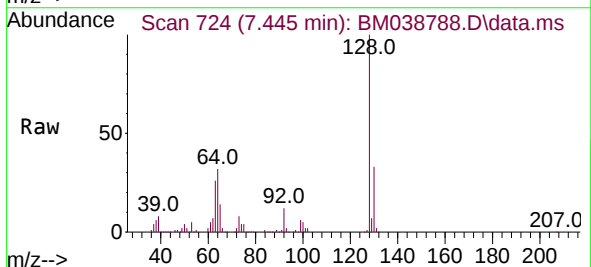
Manual Integrations  
APPROVED

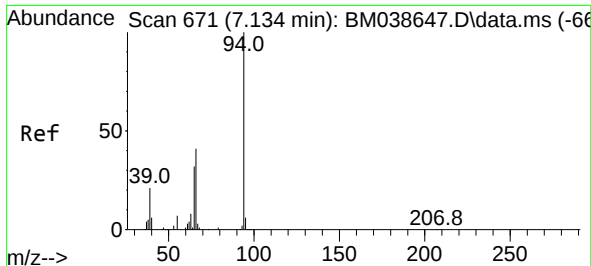
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#8  
2-Chlorophenol  
Concen: 52.577 ng  
RT: 7.445 min Scan# 724  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

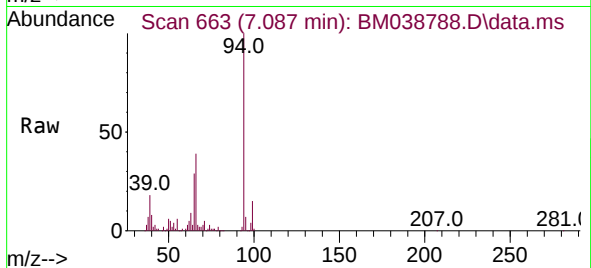
Tgt Ion:128 Resp: 192820  
Ion Ratio Lower Upper  
128 100  
130 33.1 13.2 53.2  
64 32.0 17.3 57.3





#10  
Phenol  
Concen: 52.847 ng  
RT: 7.087 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

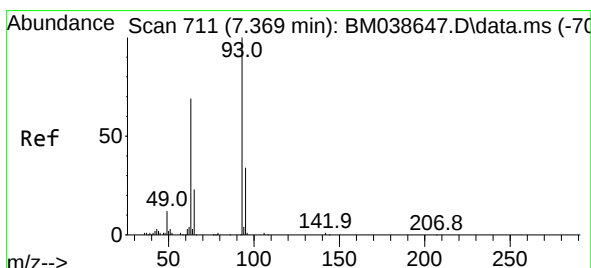
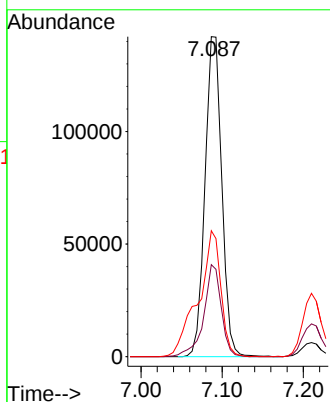
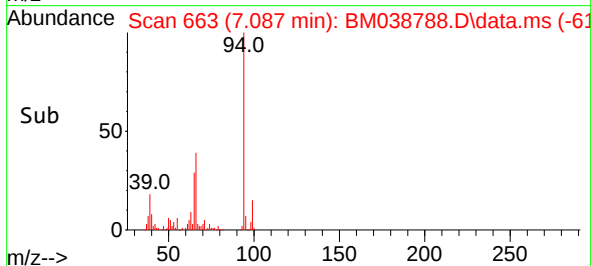
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



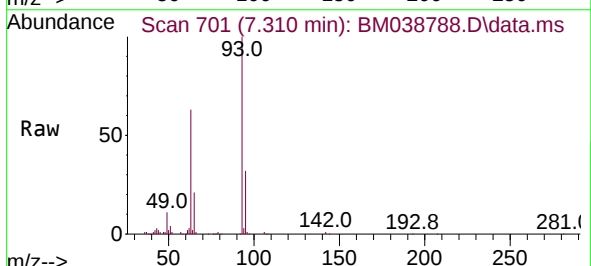
Tgt Ion: 94 Resp: 204652  
Ion Ratio Lower Upper  
94 100  
65 28.7 12.3 52.3  
66 39.3 24.2 64.2

Manual Integrations  
APPROVED

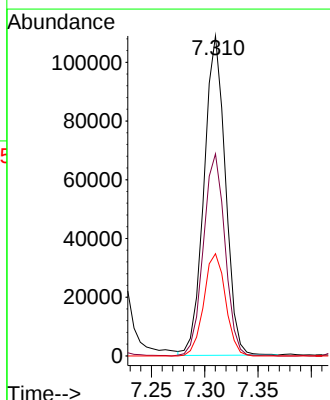
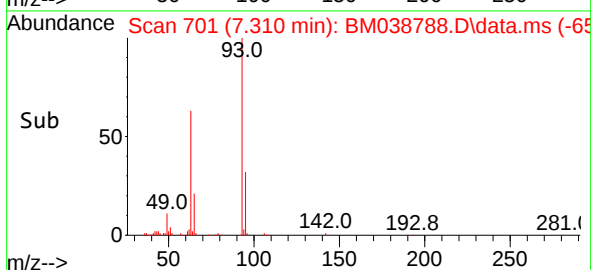
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

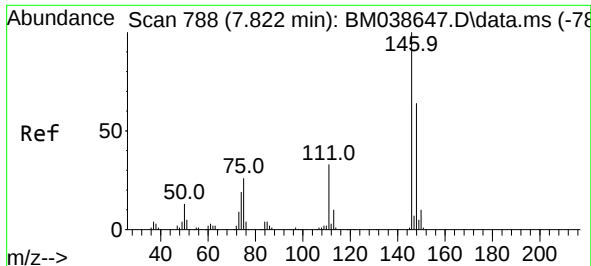


#11  
bis(2-Chloroethyl)ether  
Concen: 48.329 ng  
RT: 7.310 min Scan# 701  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion: 93 Resp: 151568  
Ion Ratio Lower Upper  
93 100  
63 63.1 48.5 88.5  
95 31.9 13.8 53.8





#12

1,3-Dichlorobenzene

Concen: 46.171 ng

RT: 7.763 min Scan# 71

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:146 Resp: 216346

Ion Ratio Lower Upper

146 100

148 66.5 51.5 77.3

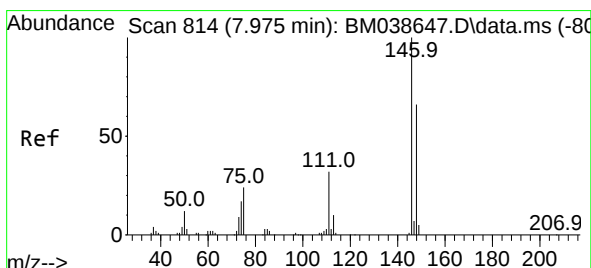
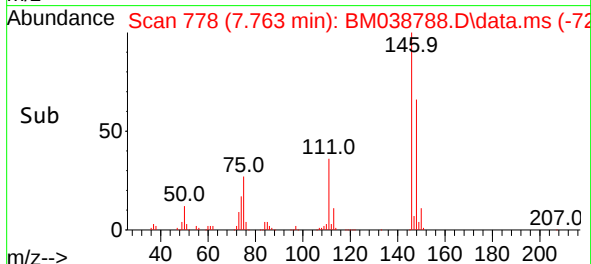
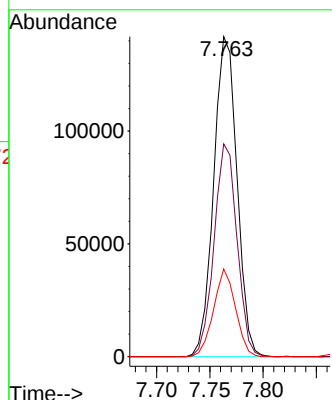
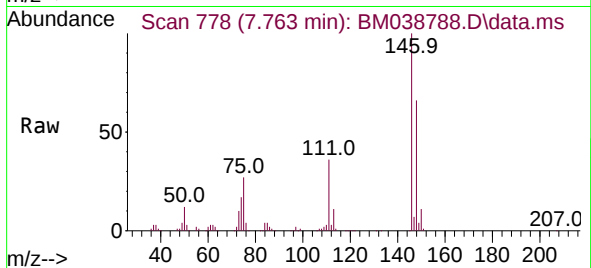
75 27.4 21.1 31.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#13

1,4-Dichlorobenzene

Concen: 46.742 ng

RT: 7.916 min Scan# 804

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

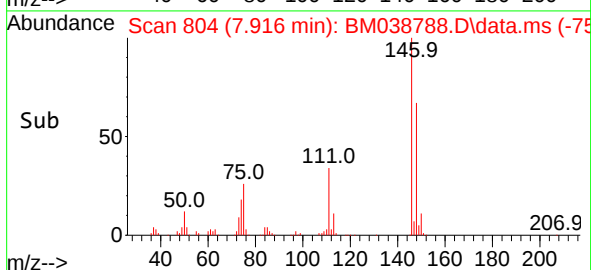
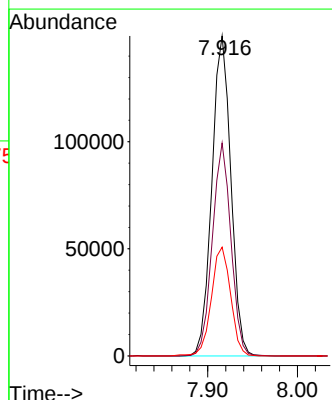
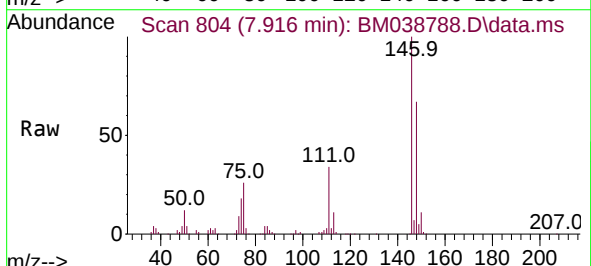
Tgt Ion:146 Resp: 221042

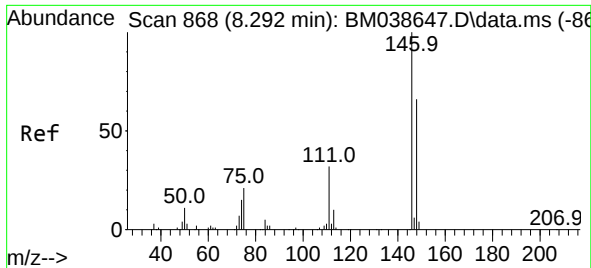
Ion Ratio Lower Upper

146 100

148 66.5 53.1 79.7

111 34.0 25.9 38.9





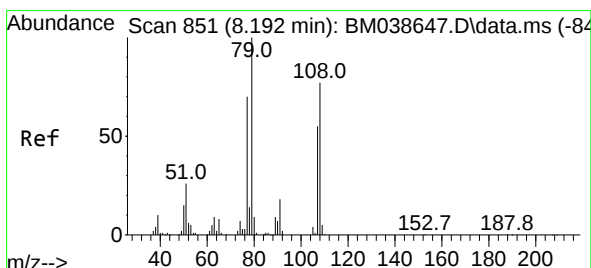
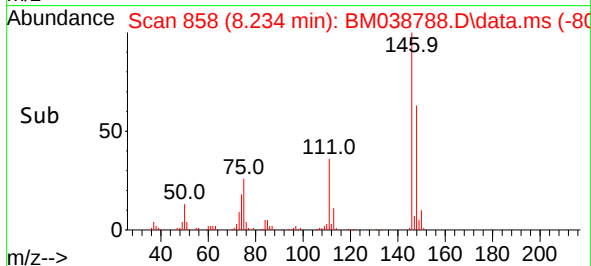
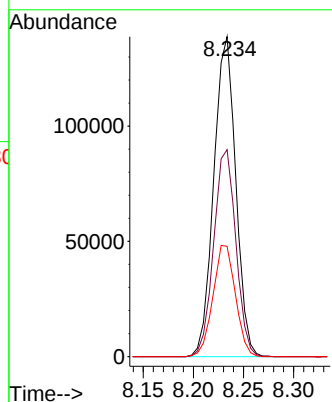
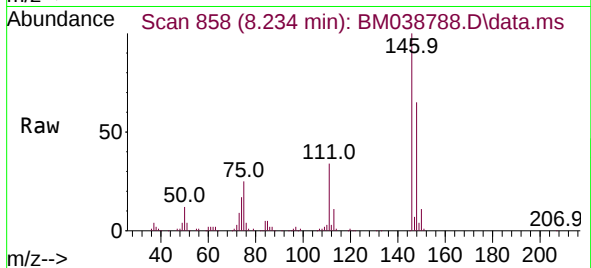
#14  
1,2-Dichlorobenzene  
Concen: 46.752 ng  
RT: 8.234 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:146 Resp: 211802  
Ion Ratio Lower Upper  
146 100  
148 64.7 52.9 79.3  
111 34.5 26.2 39.2

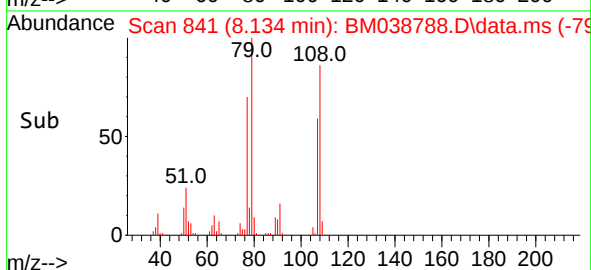
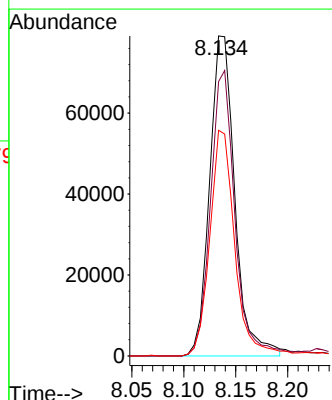
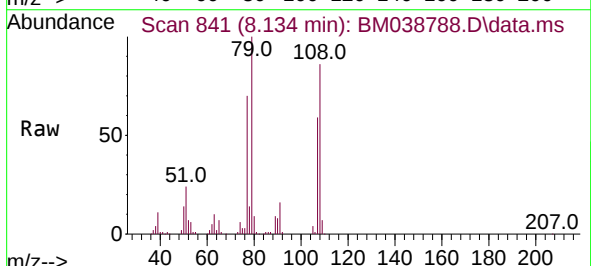
Manual Integrations  
APPROVED

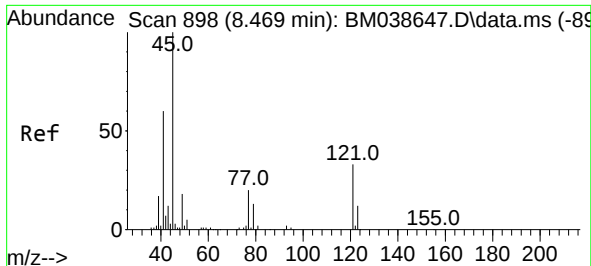
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#15  
Benzyl Alcohol  
Concen: 47.271 ng m  
RT: 8.134 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion: 79 Resp: 133370  
Ion Ratio Lower Upper  
79 100  
108 85.7 61.9 92.9  
77 70.5 55.8 83.8





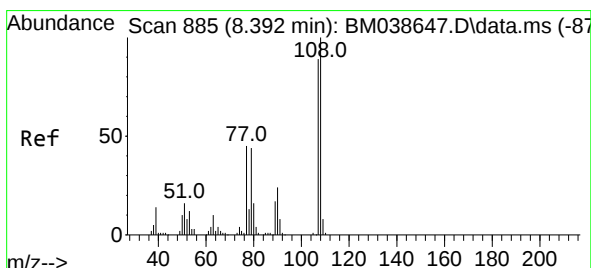
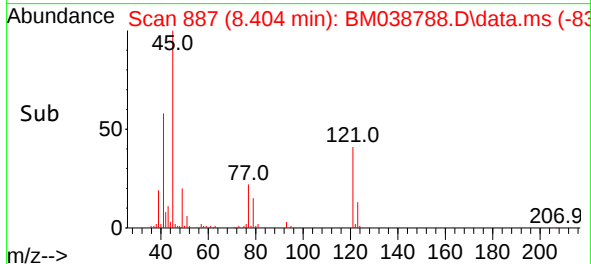
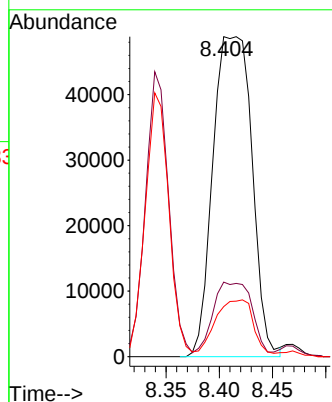
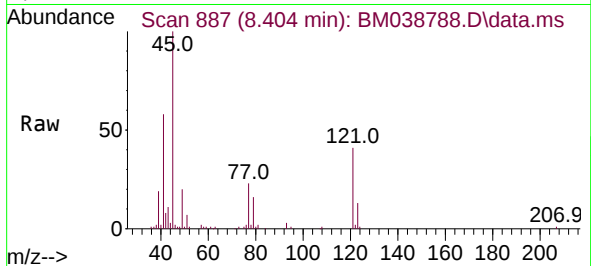
#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.920 ng  
RT: 8.404 min Scan# 887  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion: 45 Resp: 124526  
Ion Ratio Lower Upper  
45 100  
77 23.3 1.1 41.1  
79 15.6 0.0 34.6

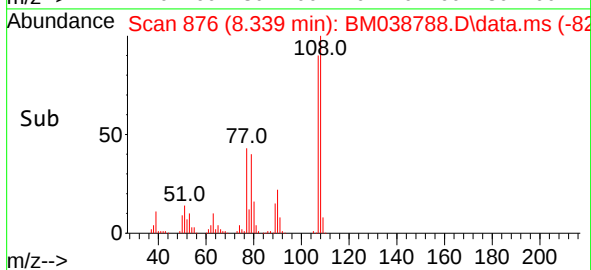
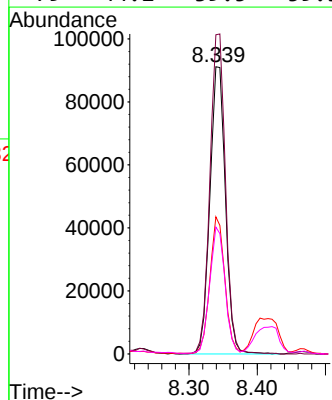
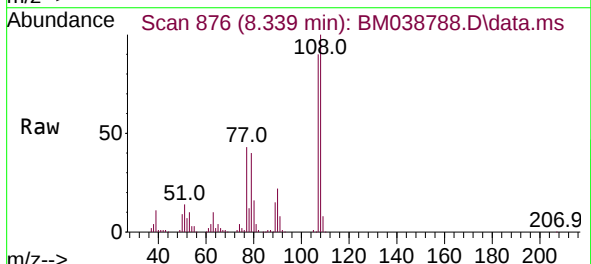
Manual Integrations  
APPROVED

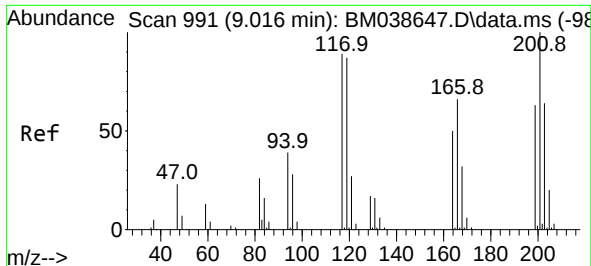
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#17  
2-Methylphenol  
Concen: 48.661 ng  
RT: 8.339 min Scan# 876  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion:107 Resp: 144543  
Ion Ratio Lower Upper  
107 100  
108 111.2 89.6 134.4  
77 47.7 40.7 61.1  
79 44.2 39.5 59.3





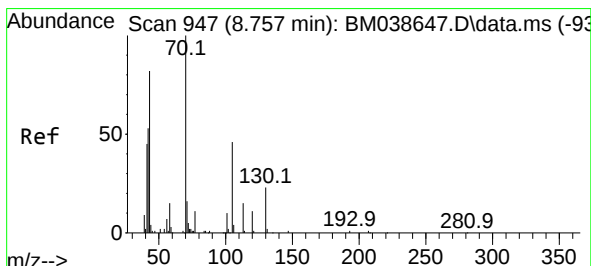
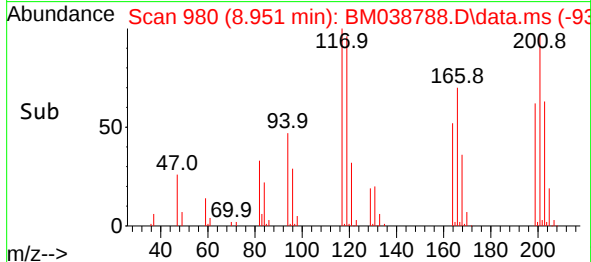
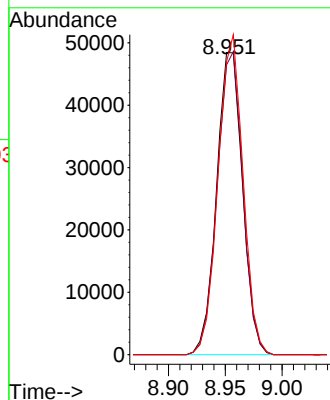
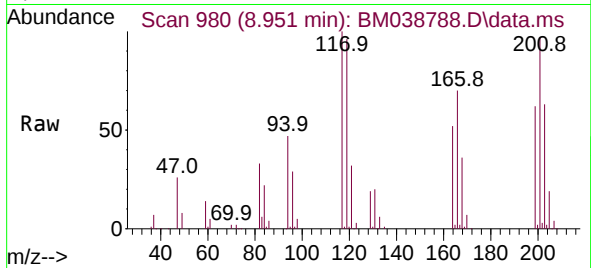
#18  
Hexachloroethane  
Concen: 50.540 ng  
RT: 8.951 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:117 Resp: 77185  
Ion Ratio Lower Upper  
117 100  
119 95.9 78.6 117.8  
201 97.0 90.2 135.2

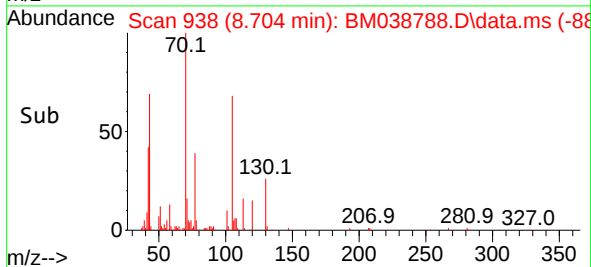
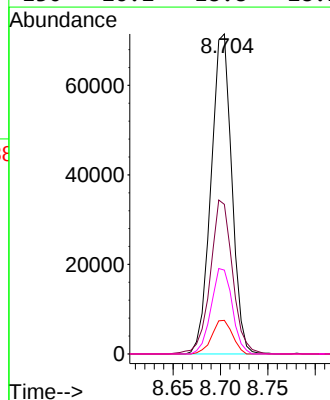
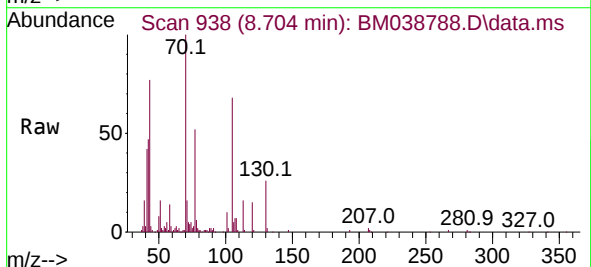
Manual Integrations  
APPROVED

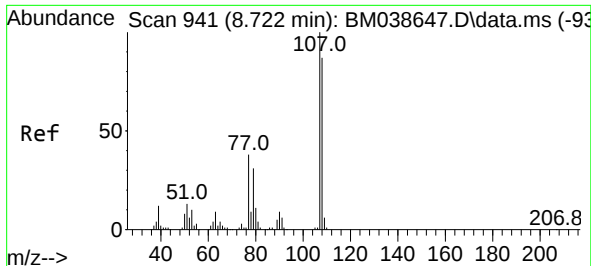
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#19  
n-Nitroso-di-n-propylamine  
Concen: 47.156 ng  
RT: 8.704 min Scan# 938  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

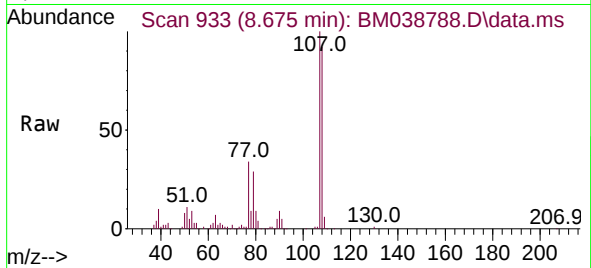
Tgt Ion: 70 Resp: 108957  
Ion Ratio Lower Upper  
70 100  
42 46.8 43.4 65.2  
101 10.5 8.2 12.2  
130 26.2 18.8 28.2





#20  
3+4-Methylphenols  
Concen: 48.561 ng  
RT: 8.675 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

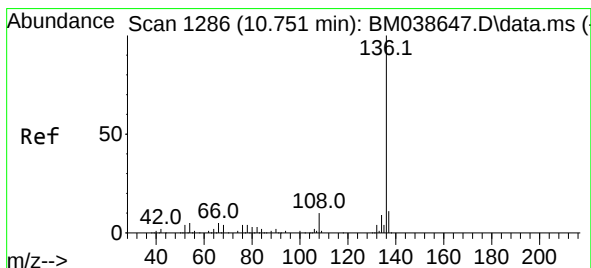
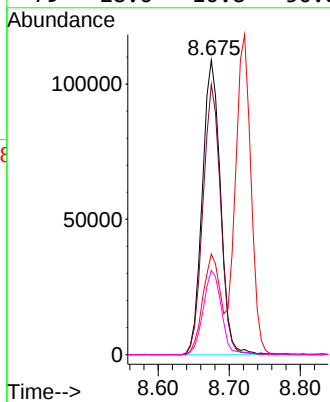
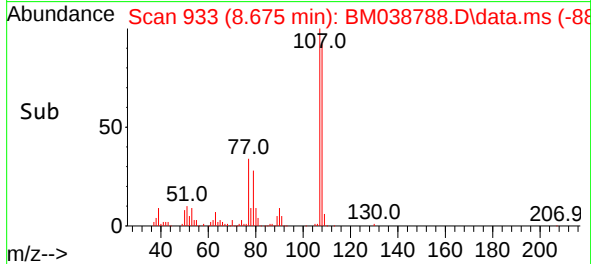
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



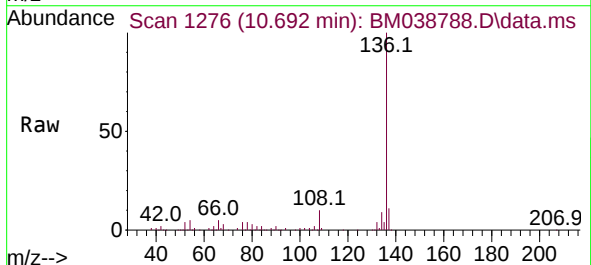
Tgt Ion:107 Resp: 192318  
Ion Ratio Lower Upper  
107 100  
108 91.8 67.2 107.2  
77 34.2 17.5 57.5  
79 28.6 10.8 50.8

Manual Integrations  
APPROVED

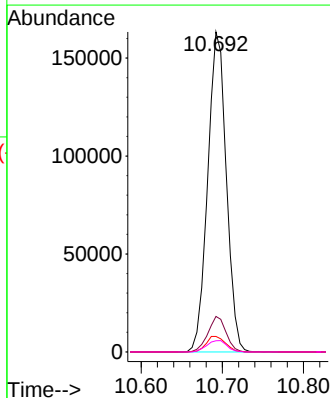
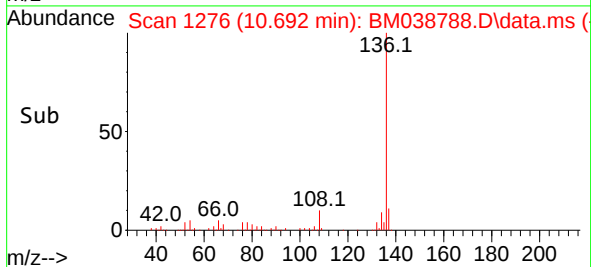
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

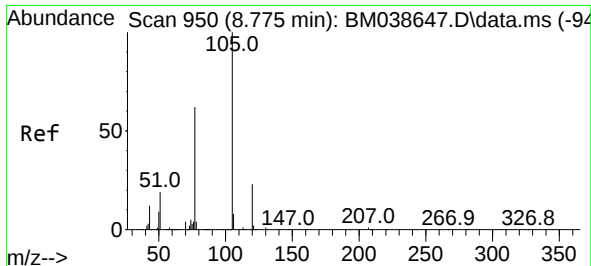


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.692 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



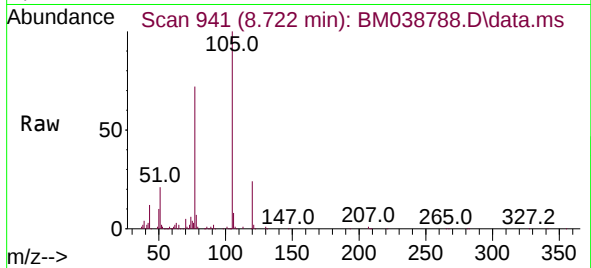
Tgt Ion:136 Resp: 260450  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 4.8 4.2 6.4  
68 3.5 2.9 4.3





#22  
Acetophenone  
Concen: 40.980 ng  
RT: 8.722 min Scan# 941  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

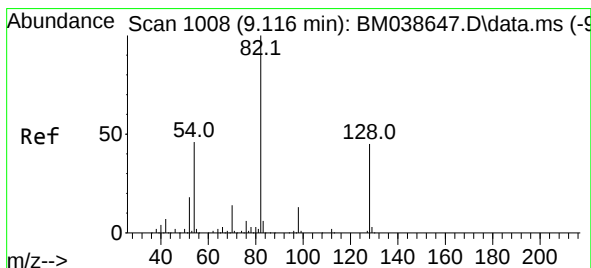
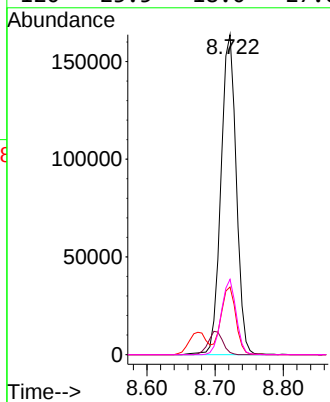
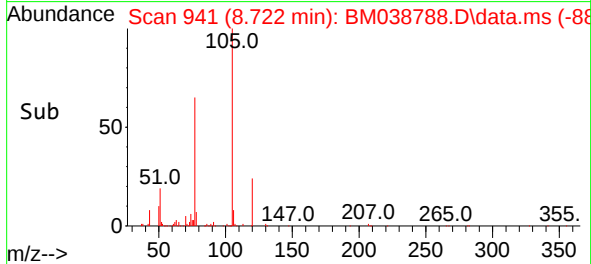
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



Tgt Ion:105 Resp: 254535  
Ion Ratio Lower Upper  
105 100  
71 0.7 0.9 1.3  
51 21.1 19.3 28.9  
120 23.5 18.0 27.0

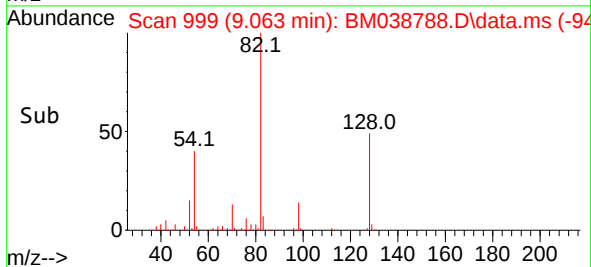
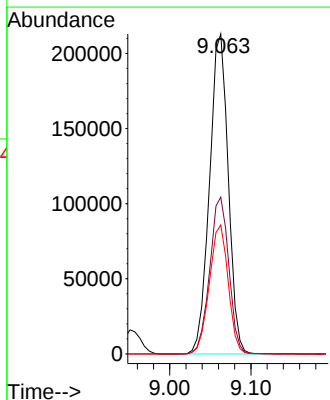
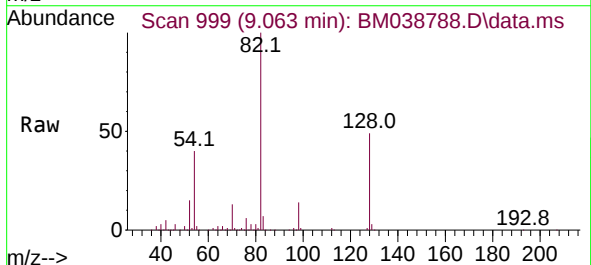
Manual Integrations  
APPROVED

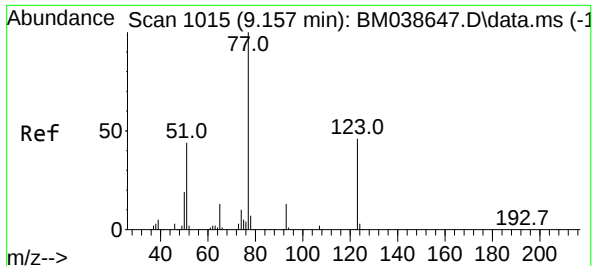
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#23  
Nitrobenzene-d5  
Concen: 74.416 ng  
RT: 9.063 min Scan# 999  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

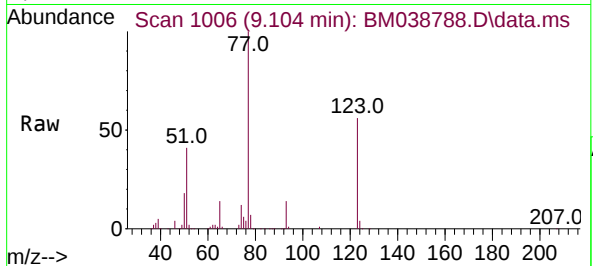
Tgt Ion: 82 Resp: 341225  
Ion Ratio Lower Upper  
82 100  
128 49.0 36.0 54.0  
54 40.3 36.8 55.2





#24  
Nitrobenzene  
Concen: 36.943 ng  
RT: 9.104 min Scan# 1006  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

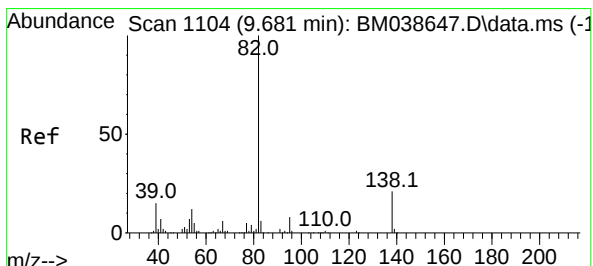
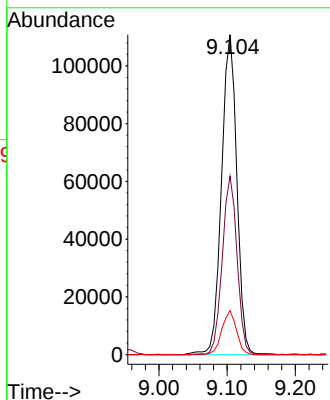
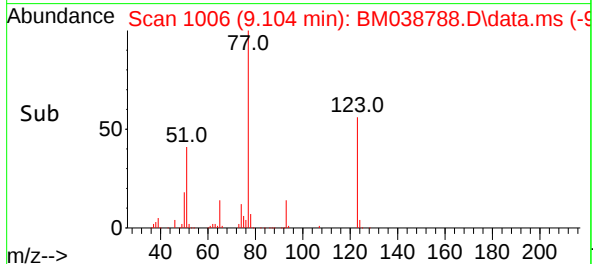
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



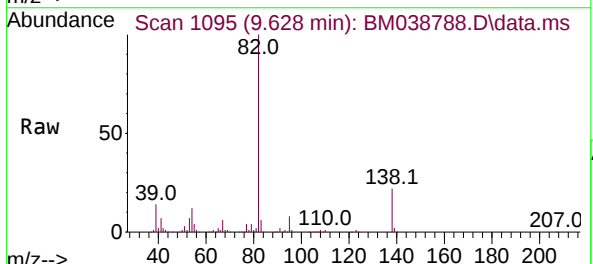
Tgt Ion: 77 Resp: 171935  
Ion Ratio Lower Upper  
77 100  
123 55.8 36.5 54.7  
65 13.7 10.7 16.1

Manual Integrations  
APPROVED

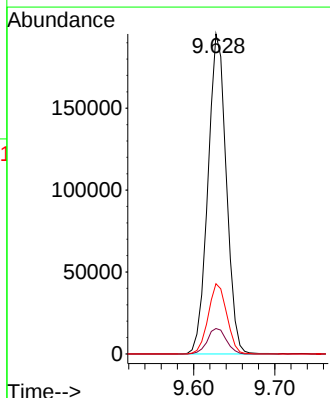
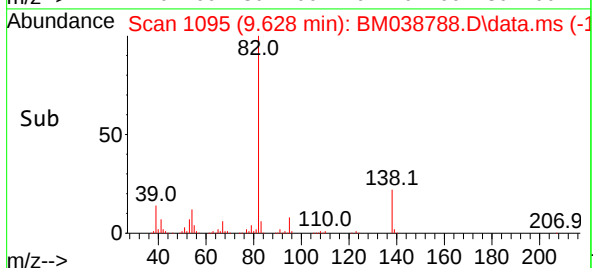
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

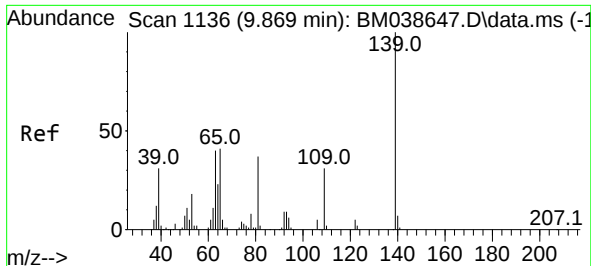


#25  
Isophorone  
Concen: 38.238 ng  
RT: 9.628 min Scan# 1095  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion: 82 Resp: 307147  
Ion Ratio Lower Upper  
82 100  
95 7.9 6.4 9.6  
138 21.9 17.0 25.6





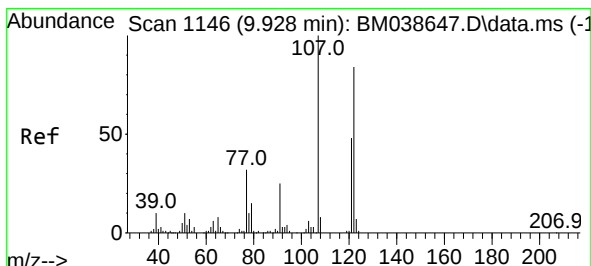
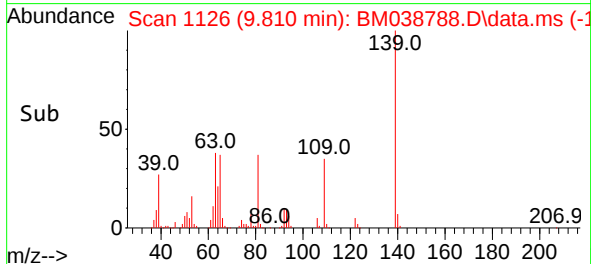
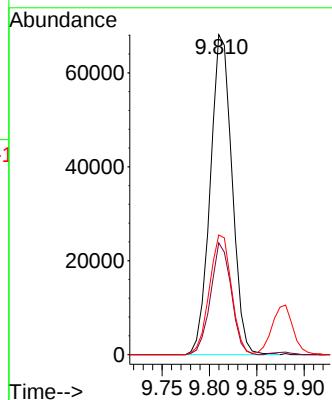
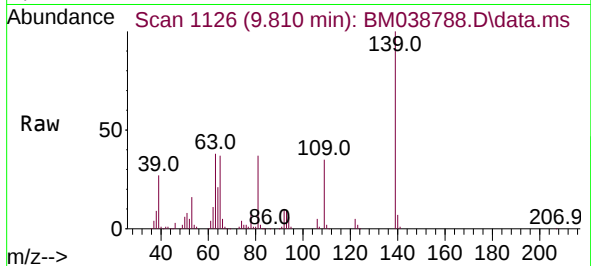
#26  
2-Nitrophenol  
Concen: 42.011 ng  
RT: 9.810 min Scan# 1136  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:139 Resp: 108800  
Ion Ratio Lower Upper  
139 100  
109 34.9 24.5 36.7  
65 37.4 32.6 49.0

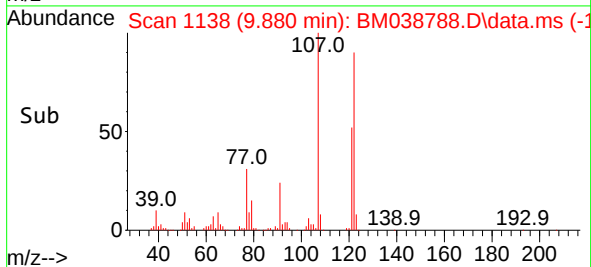
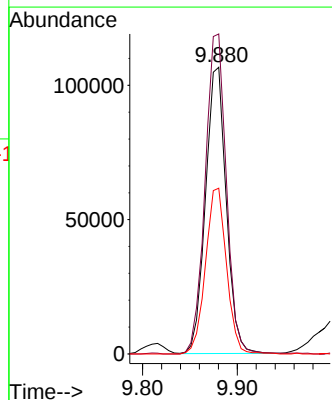
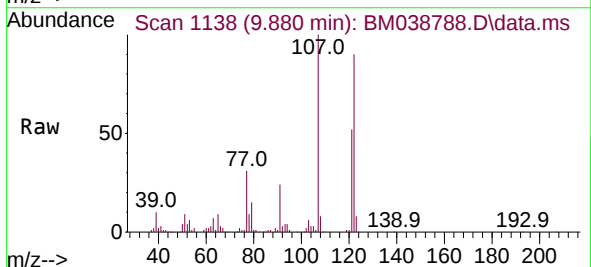
Manual Integrations  
APPROVED

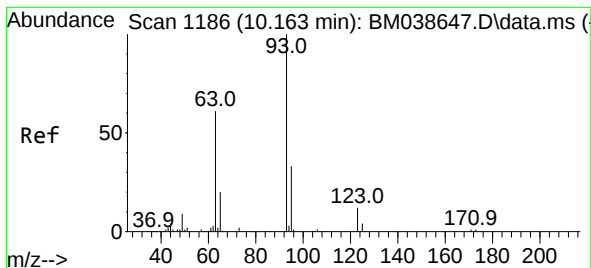
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#27  
2,4-Dimethylphenol  
Concen: 43.537 ng  
RT: 9.880 min Scan# 1138  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion:122 Resp: 162679  
Ion Ratio Lower Upper  
122 100  
107 111.6 94.9 142.3  
121 57.8 45.5 68.3





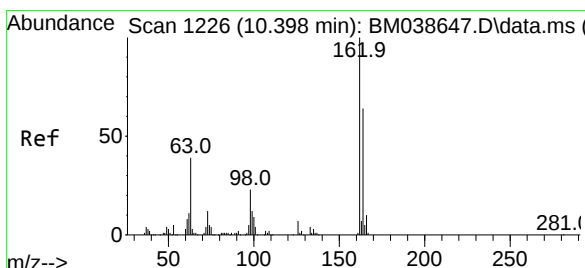
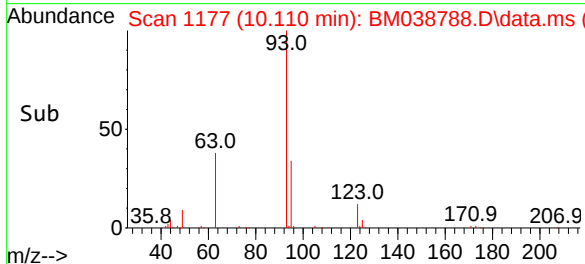
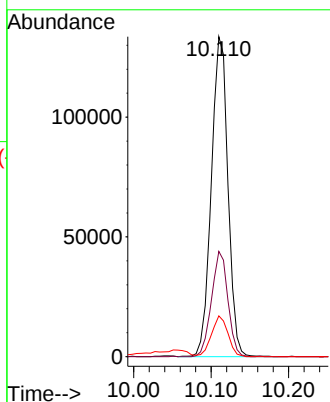
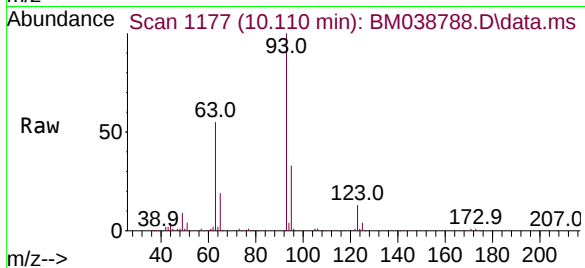
#28  
bis(2-Chloroethoxy)methane  
Concen: 40.444 ng  
RT: 10.110 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion: 93 Resp: 198538  
Ion Ratio Lower Upper  
93 100  
95 32.9 26.6 40.0  
123 12.7 9.6 14.4

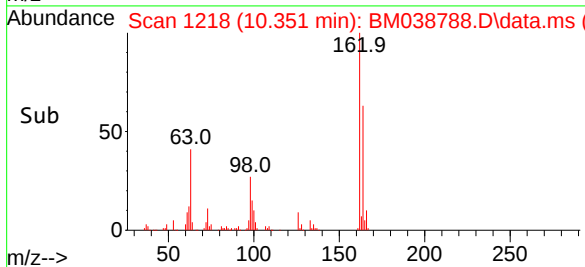
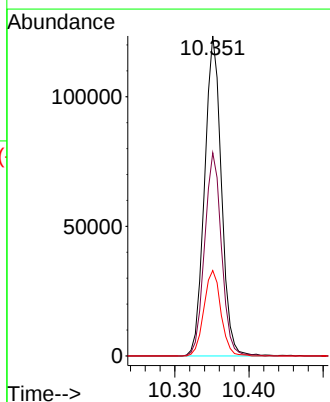
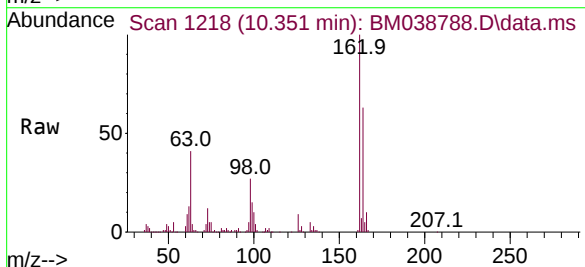
Manual Integrations  
APPROVED

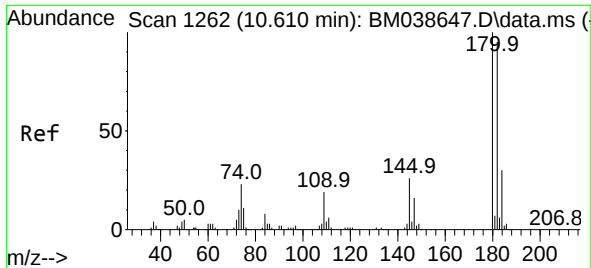
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#29  
2,4-Dichlorophenol  
Concen: 36.712 ng  
RT: 10.351 min Scan# 1218  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion:162 Resp: 194888  
Ion Ratio Lower Upper  
162 100  
164 63.5 44.3 84.3  
98 26.7 3.1 43.1





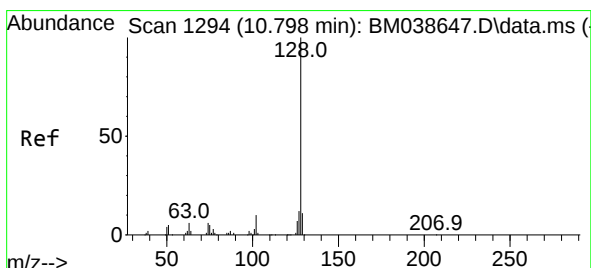
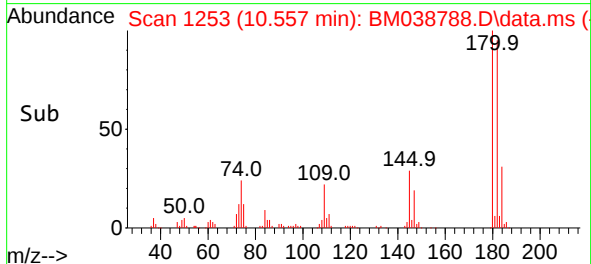
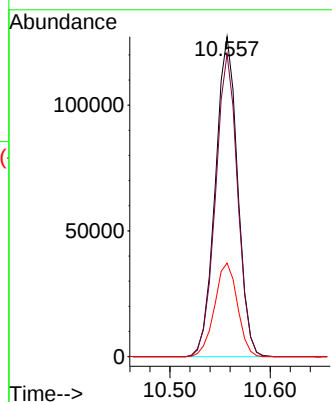
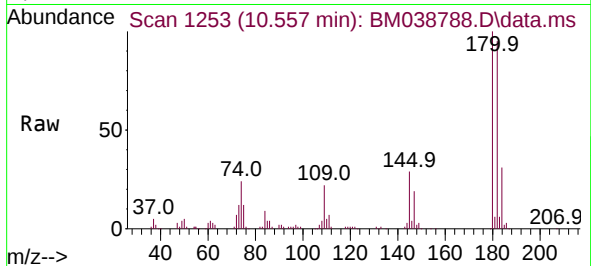
#30  
1,2,4-Trichlorobenzene  
Concen: 34.663 ng  
RT: 10.557 min Scan# 1253  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:180 Resp: 19573  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.2 114.2  
145 29.2 20.8 31.2

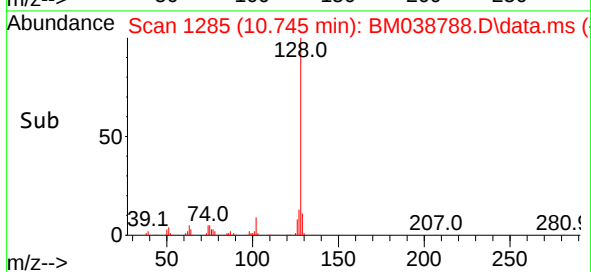
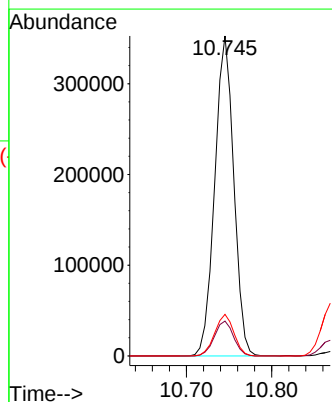
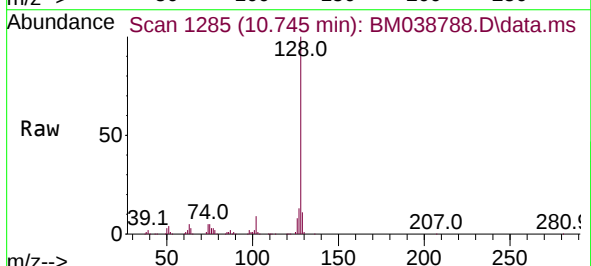
Manual Integrations  
APPROVED

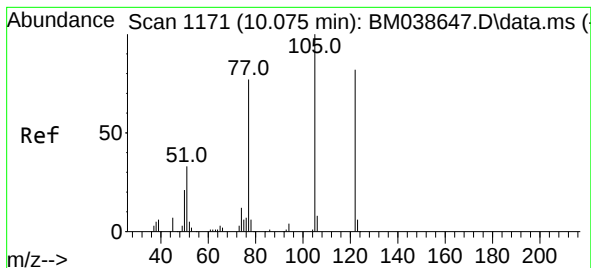
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#31  
Naphthalene  
Concen: 40.820 ng  
RT: 10.745 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

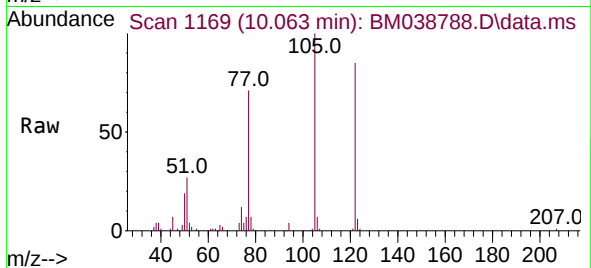
Tgt Ion:128 Resp: 545572  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.1 13.7  
127 13.0 9.9 14.9





#32  
Benzoic acid  
Concen: 41.409 ng  
RT: 10.063 min Scan# 1171  
Delta R.T. 0.012 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

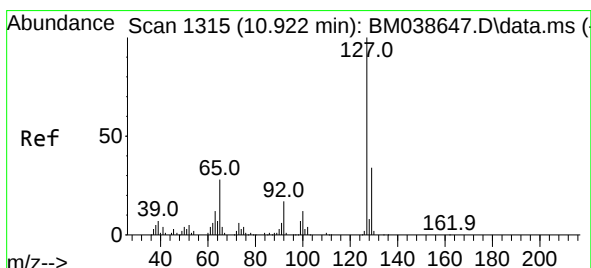
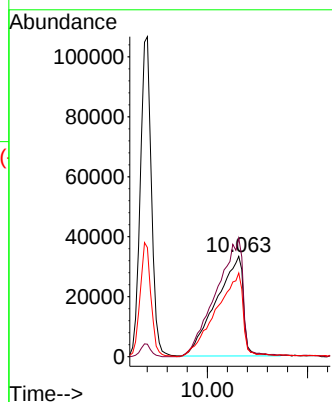
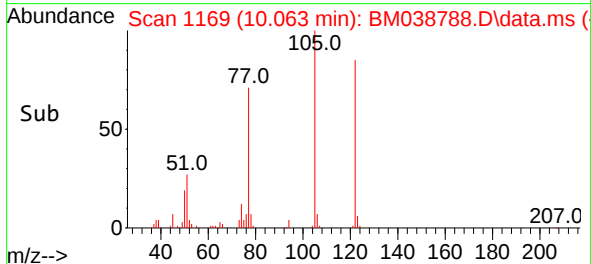
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



Tgt Ion:122 Resp: 125250  
Ion Ratio Lower Upper  
122 100  
105 118.3 99.2 139.2  
77 83.5 72.3 112.3

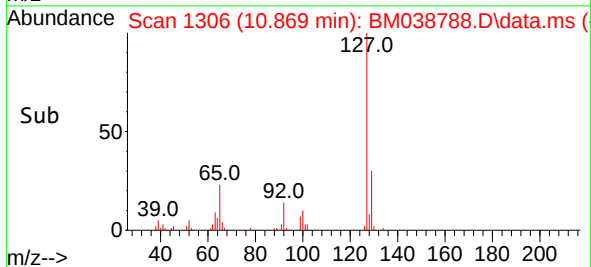
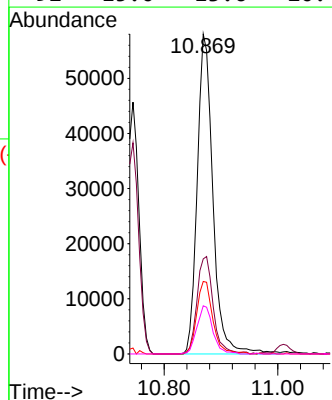
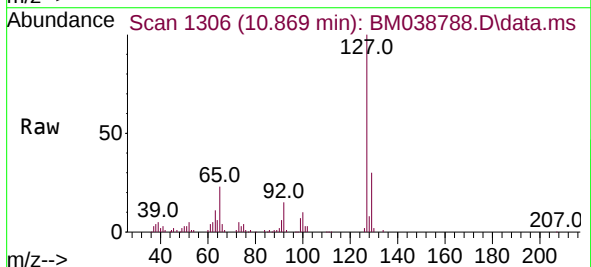
Manual Integrations  
APPROVED

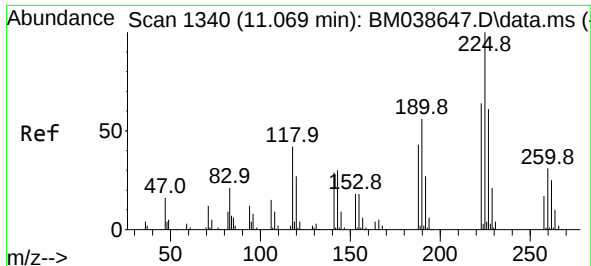
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#33  
4-Chloroaniline  
Concen: 18.973 ng  
RT: 10.869 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion:127 Resp: 111134  
Ion Ratio Lower Upper  
127 100  
129 29.7 27.1 40.7  
65 22.6 22.2 33.4  
92 15.0 13.6 20.4





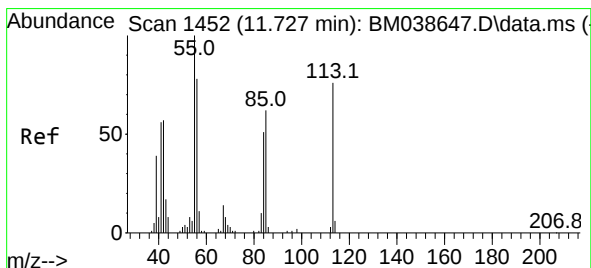
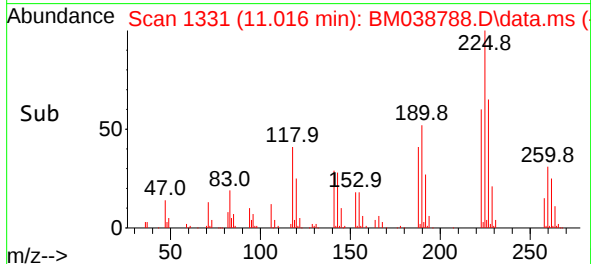
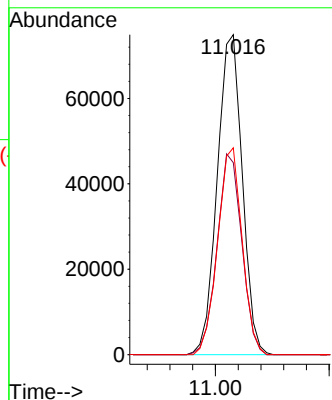
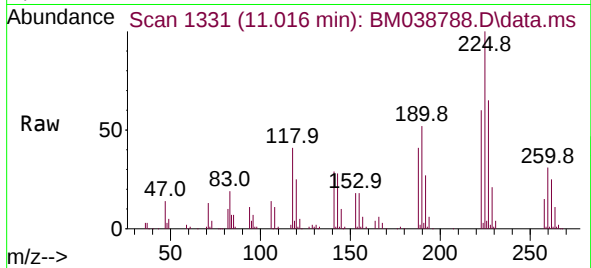
#34  
Hexachlorobutadiene  
Concen: 40.513 ng  
RT: 11.016 min Scan# 1340  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:225 Resp: 11460  
Ion Ratio Lower Upper  
225 100  
223 60.0 51.0 76.4  
227 64.6 49.2 73.8

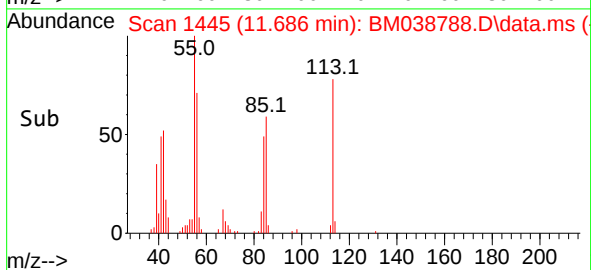
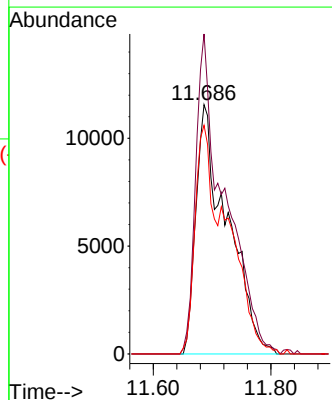
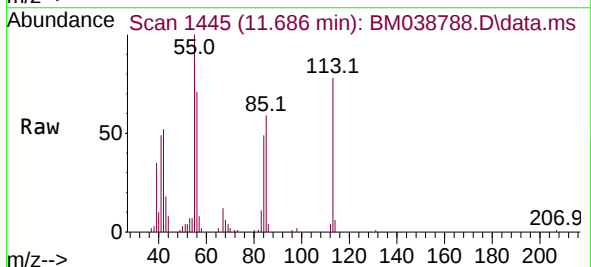
Manual Integrations  
APPROVED

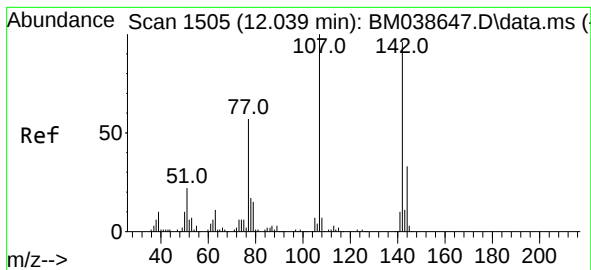
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#35  
Caprolactam  
Concen: 37.227 ng  
RT: 11.686 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

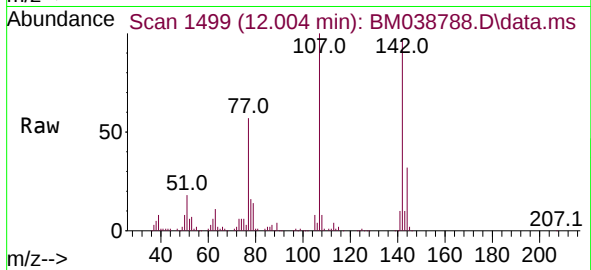
Tgt Ion:113 Resp: 42561  
Ion Ratio Lower Upper  
113 100  
55 128.4 111.2 151.2  
56 91.7 82.0 122.0





#36  
4-Chloro-3-methylphenol  
Concen: 38.449 ng  
RT: 12.004 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

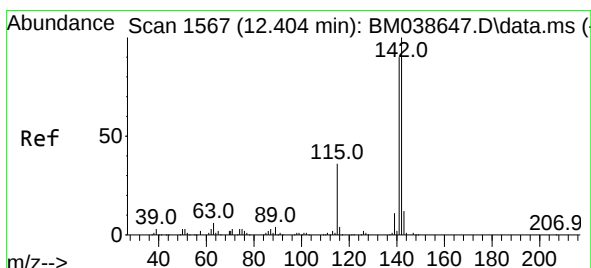
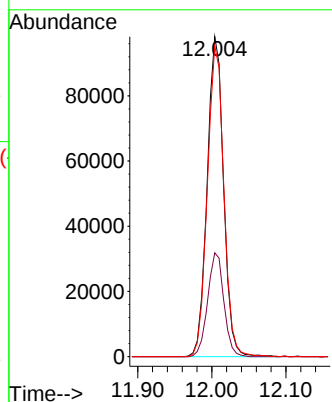
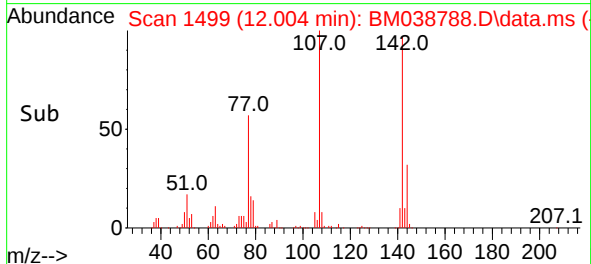
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



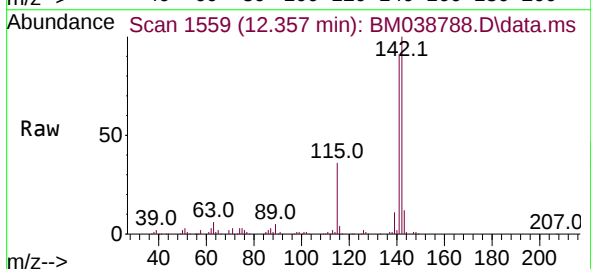
Tgt Ion:107 Resp: 15092  
Ion Ratio Lower Upper  
107 100  
144 32.4 26.5 39.7  
142 97.1 77.0 115.6

Manual Integrations  
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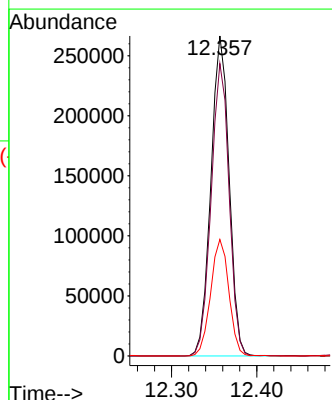
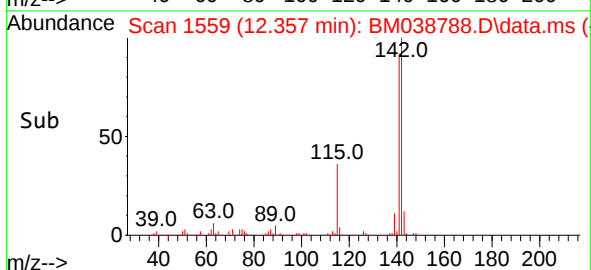
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

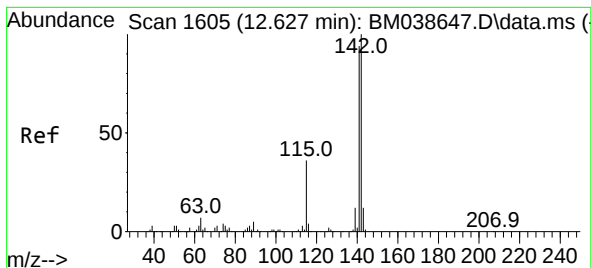


#37  
2-Methylnaphthalene  
Concen: 36.635 ng  
RT: 12.357 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:142 Resp: 395673  
Ion Ratio Lower Upper  
142 100  
141 91.4 71.8 107.8  
115 36.4 28.7 43.1





#38

1-Methylnaphthalene

Concen: 36.330 ng

RT: 12.574 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:142 Resp: 369735

Ion Ratio Lower Upper

142 100

141 94.7 75.5 113.3

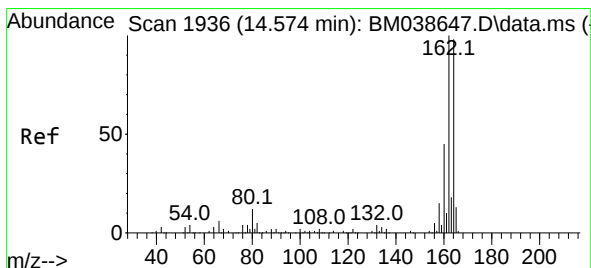
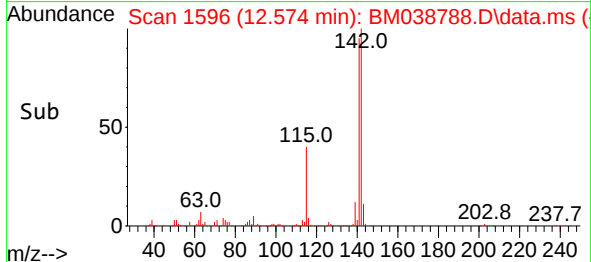
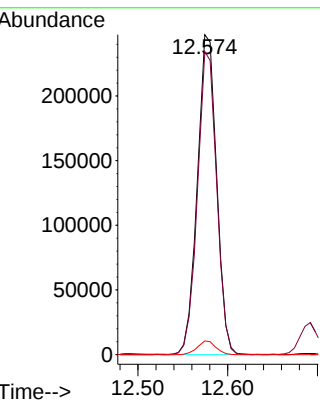
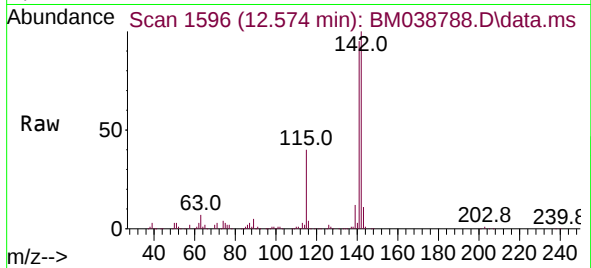
116 4.3 3.1 4.7

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.539 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

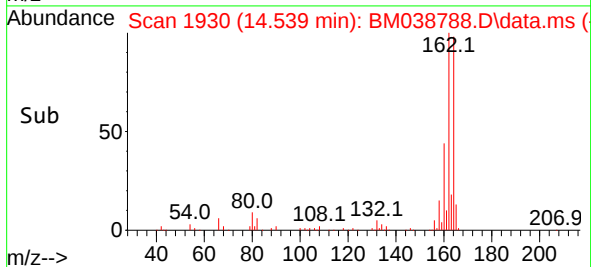
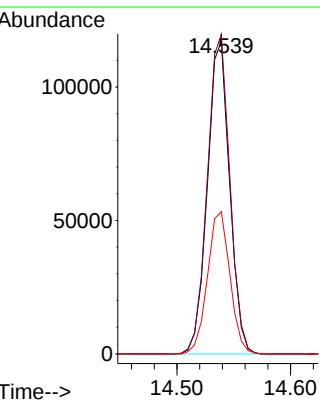
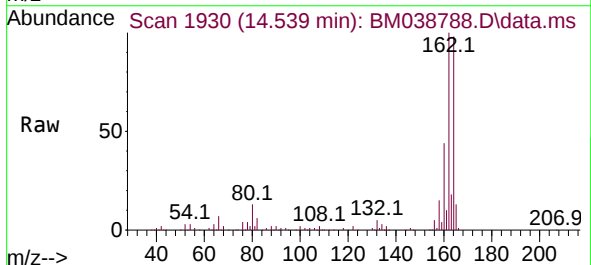
Tgt Ion:164 Resp: 159076

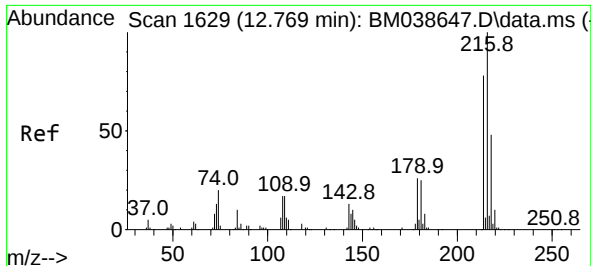
Ion Ratio Lower Upper

164 100

162 102.3 81.4 122.0

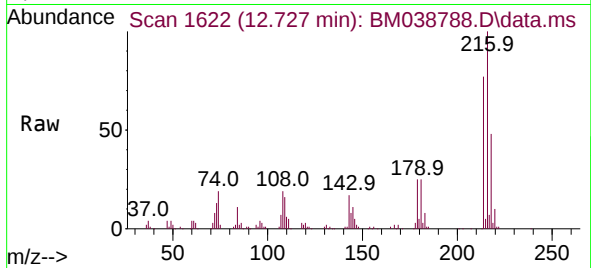
160 45.5 36.5 54.7





#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.765 ng  
RT: 12.727 min Scan# 1616  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

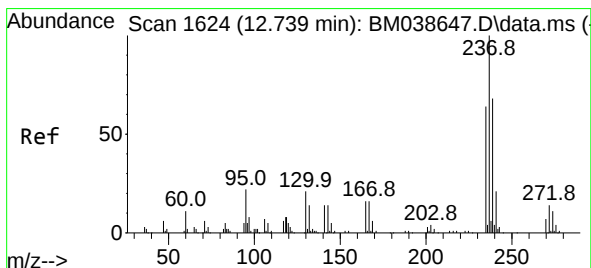
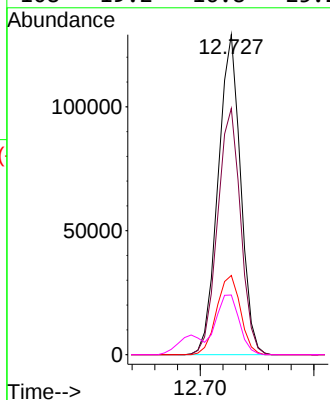
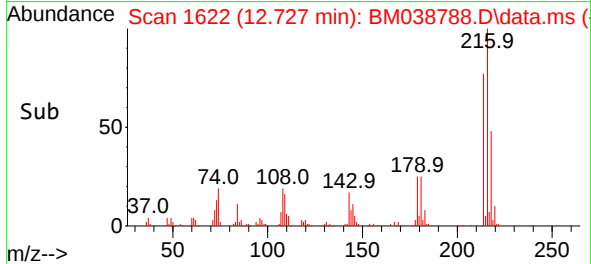
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



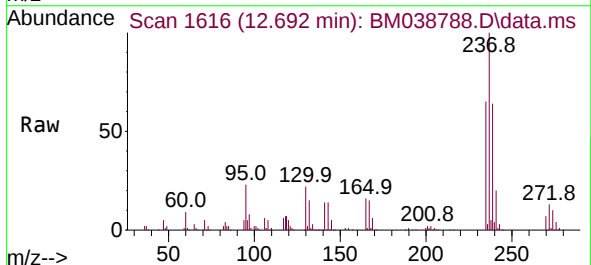
Tgt Ion:216 Resp: 177046  
Ion Ratio Lower Upper  
216 100  
214 78.8 63.4 95.0  
179 26.2 21.0 31.4  
108 19.2 16.8 25.2

Manual Integrations  
APPROVED

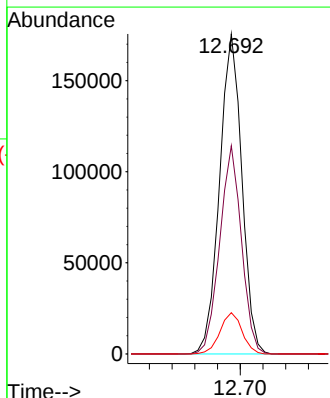
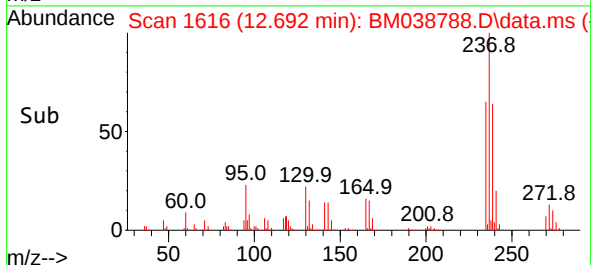
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

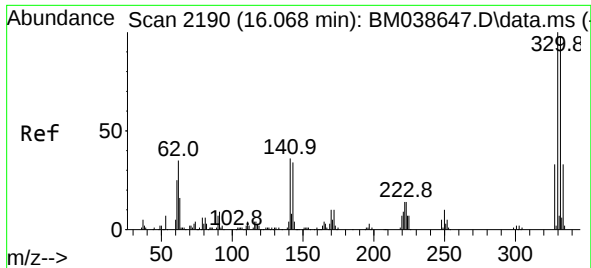


#41  
Hexachlorocyclopentadiene  
Concen: 93.042 ng  
RT: 12.692 min Scan# 1616  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:237 Resp: 239025  
Ion Ratio Lower Upper  
237 100  
235 65.0 43.8 83.8  
272 12.9 0.0 33.8





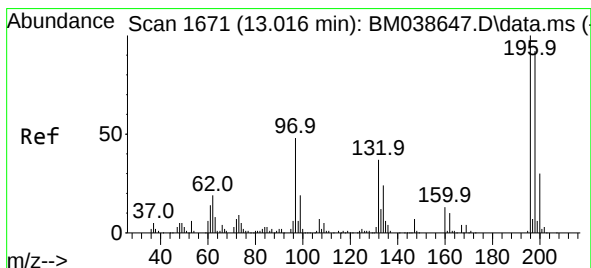
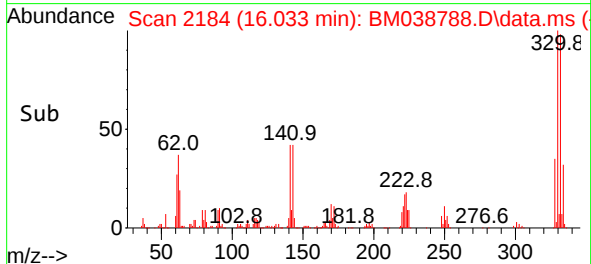
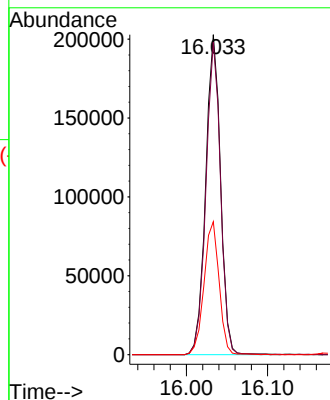
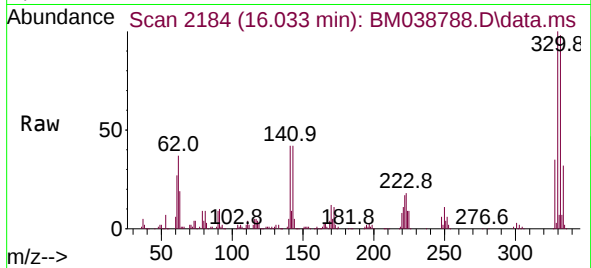
#42  
2,4,6-Tribromophenol  
Concen: 119.287 ng  
RT: 16.033 min Scan# 2190  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:330 Resp: 257922  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.8 116.6  
141 42.1 31.0 46.6

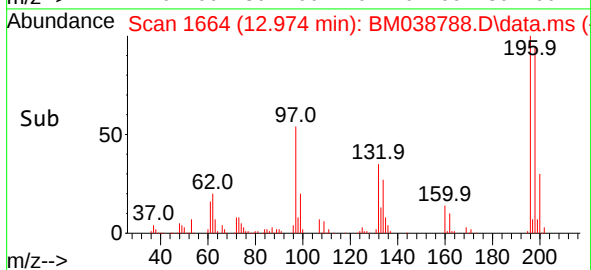
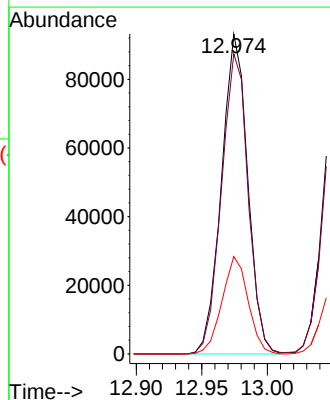
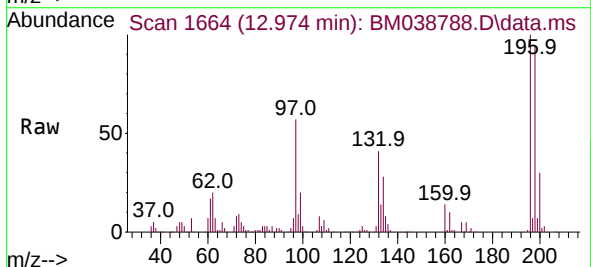
Manual Integrations  
APPROVED

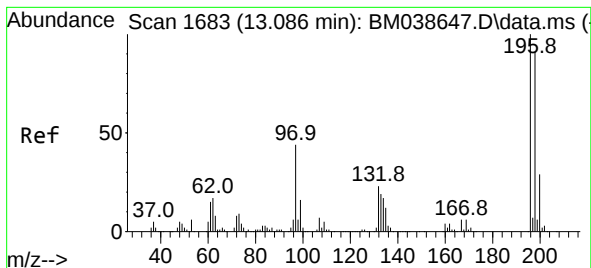
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#43  
2,4,6-Trichlorophenol  
Concen: 39.873 ng  
RT: 12.974 min Scan# 1664  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

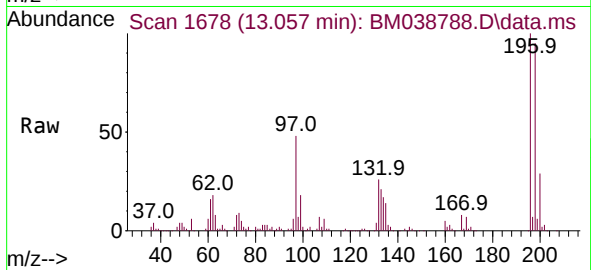
Tgt Ion:196 Resp: 129684  
Ion Ratio Lower Upper  
196 100  
198 93.8 73.7 110.5  
200 30.4 24.3 36.5





#44  
2,4,5-Trichlorophenol  
Concen: 35.916 ng  
RT: 13.057 min Scan# 1695  
Delta R.T. 0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

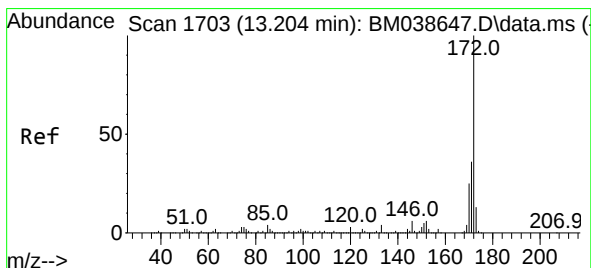
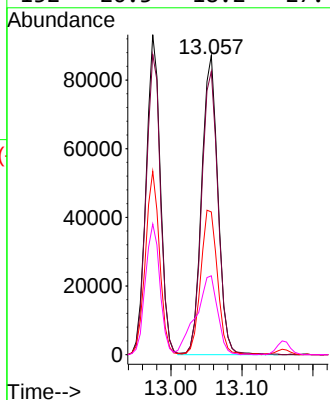
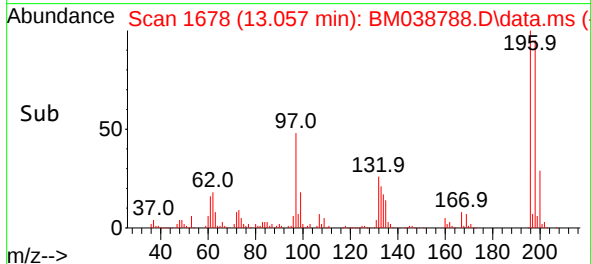
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



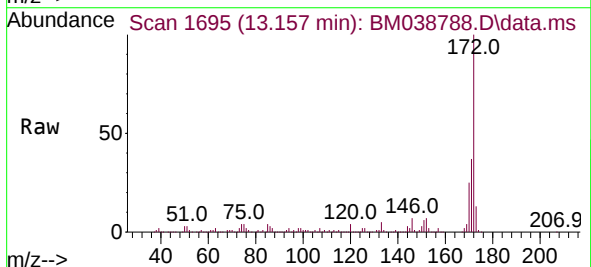
Tgt Ion:196 Resp: 137465  
Ion Ratio Lower Upper  
196 100  
198 94.6 73.1 109.7  
97 47.7 35.5 53.3  
132 26.3 18.2 27.4

Manual Integrations  
APPROVED

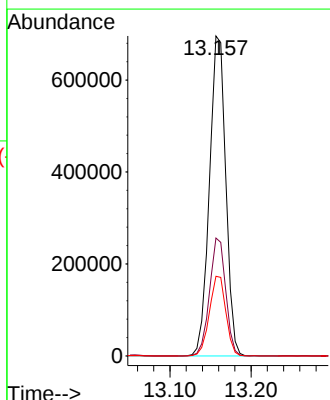
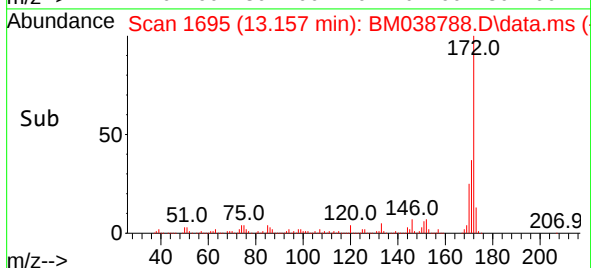
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

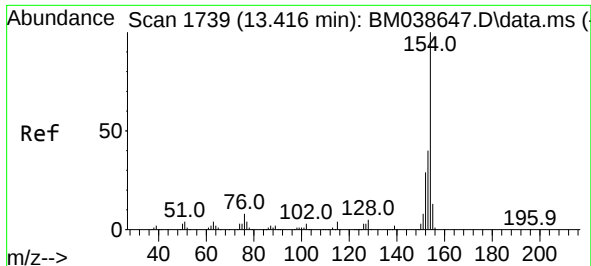


#45  
2-Fluorobiphenyl  
Concen: 77.958 ng  
RT: 13.157 min Scan# 1695  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



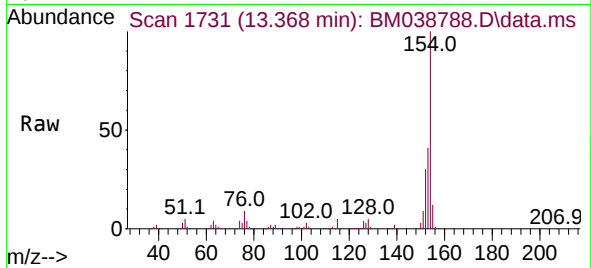
Tgt Ion:172 Resp: 974093  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.7 43.1  
170 24.9 20.0 30.0





#46  
1,1'-Biphenyl  
Concen: 42.084 ng  
RT: 13.368 min Scan# 1731  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

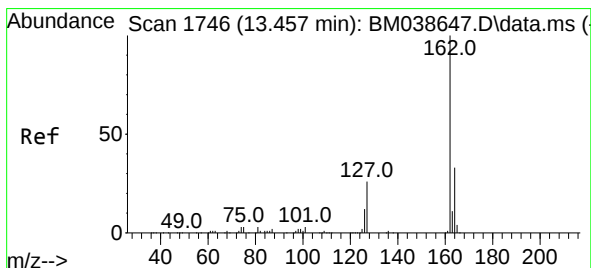
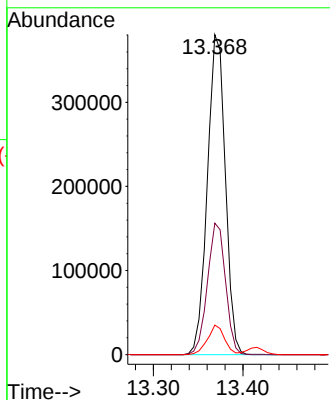
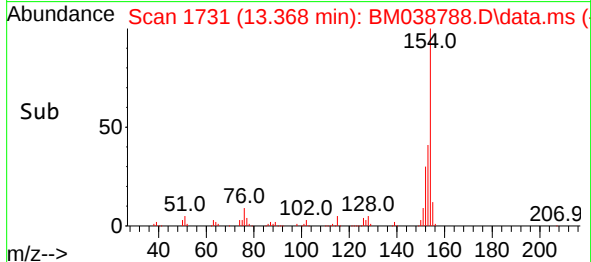
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



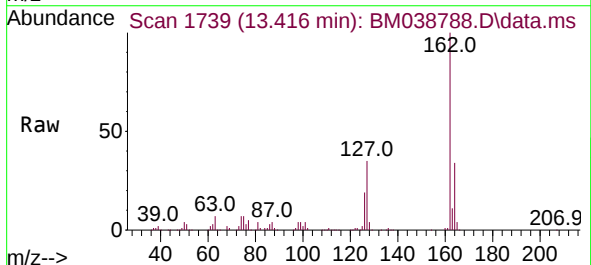
Tgt Ion:154 Resp: 53030  
Ion Ratio Lower Upper  
154 100  
153 41.1 19.9 59.9  
76 9.2 0.0 27.9

Manual Integrations  
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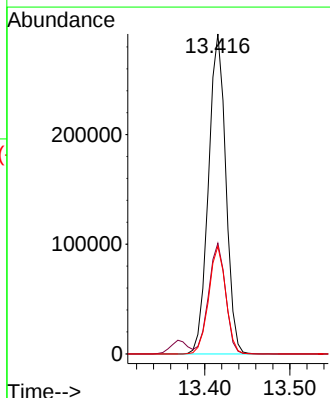
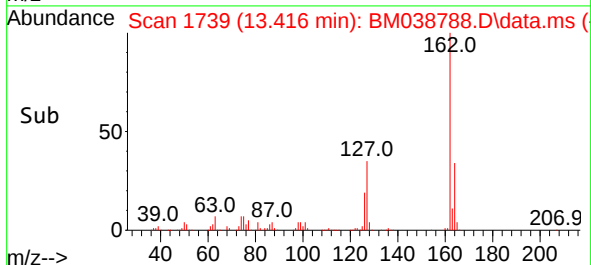
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

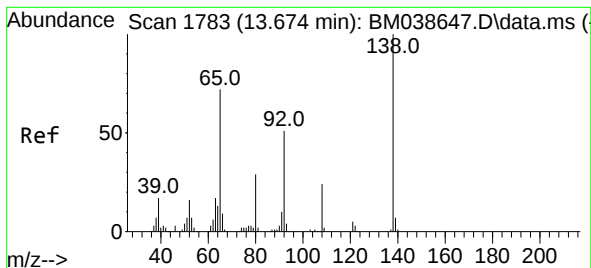


#47  
2-Chloronaphthalene  
Concen: 41.562 ng  
RT: 13.416 min Scan# 1739  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:162 Resp: 412111  
Ion Ratio Lower Upper  
162 100  
127 34.6 23.6 35.4  
164 33.6 26.7 40.1





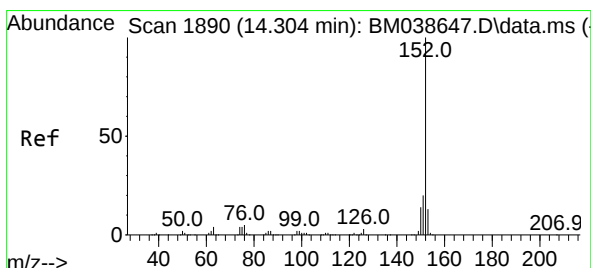
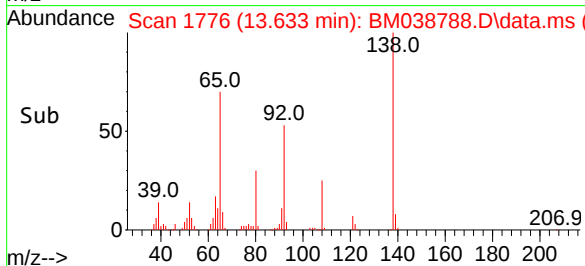
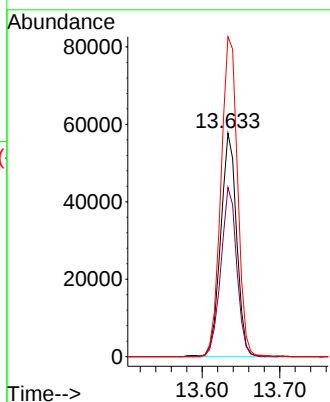
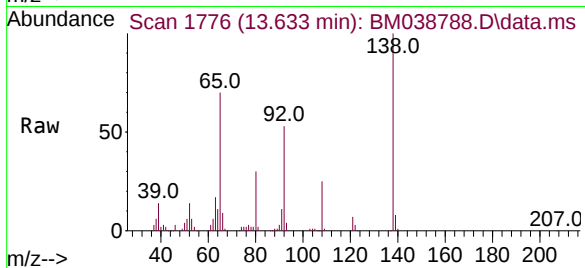
#48  
2-Nitroaniline  
Concen: 37.476 ng  
RT: 13.633 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion: 65 Resp: 82748  
Ion Ratio Lower Upper  
65 100  
92 75.7 55.9 83.9  
138 143.2 110.6 166.0

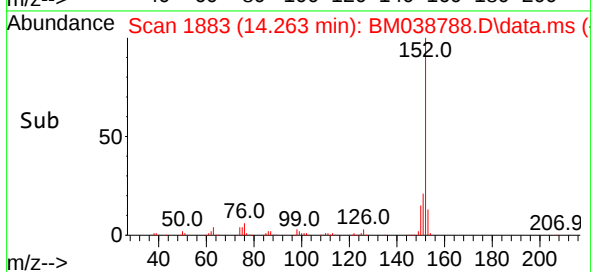
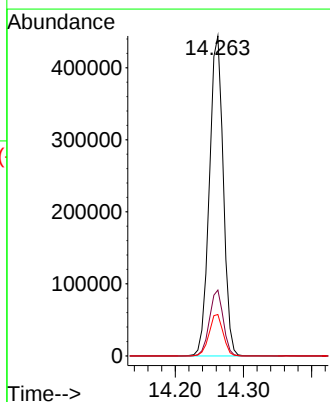
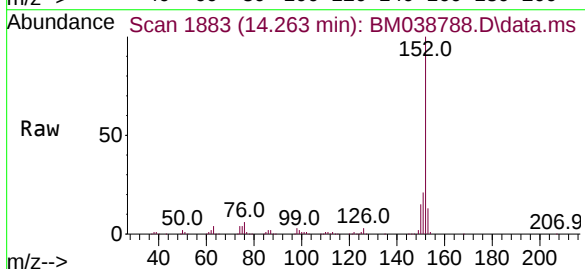
Manual Integrations  
APPROVED

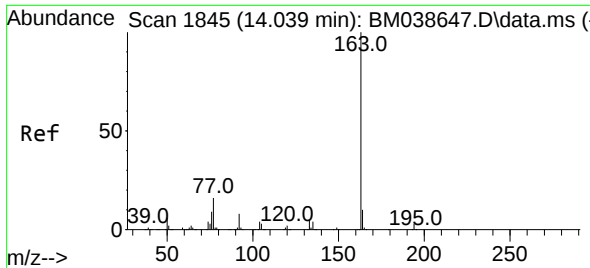
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#49  
Acenaphthylene  
Concen: 40.199 ng  
RT: 14.263 min Scan# 1883  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

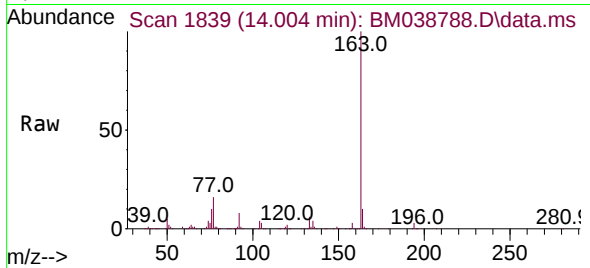
Tgt Ion:152 Resp: 627825  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.1 24.1  
153 12.9 10.0 15.0





#50  
Dimethylphthalate  
Concen: 37.773 ng  
RT: 14.004 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

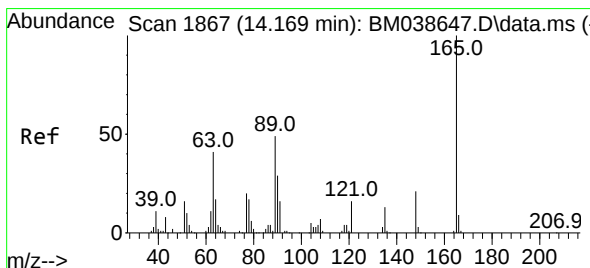
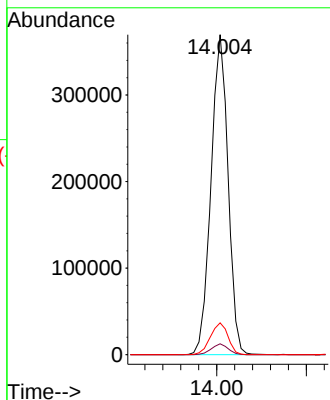
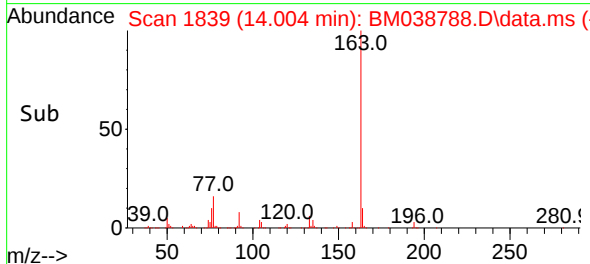
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



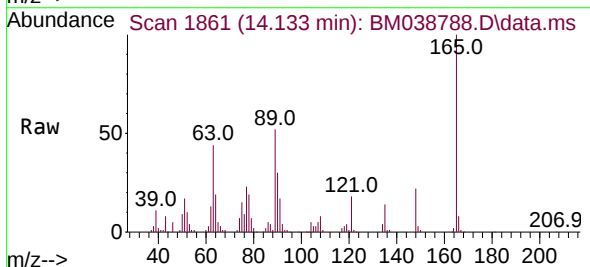
Tgt Ion:163 Resp: 490349  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 9.9 8.2 12.4

Manual Integrations  
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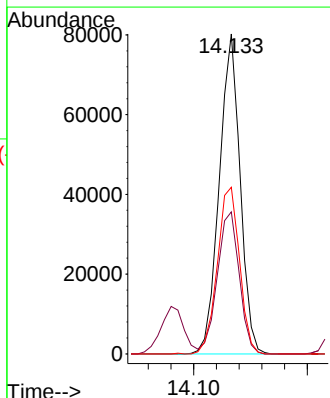
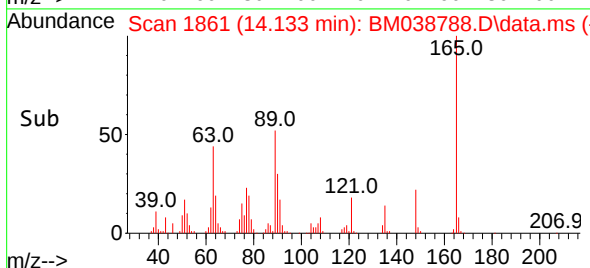
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

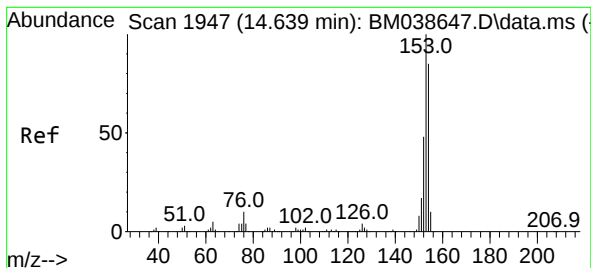


#51  
2,6-Dinitrotoluene  
Concen: 38.719 ng  
RT: 14.133 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



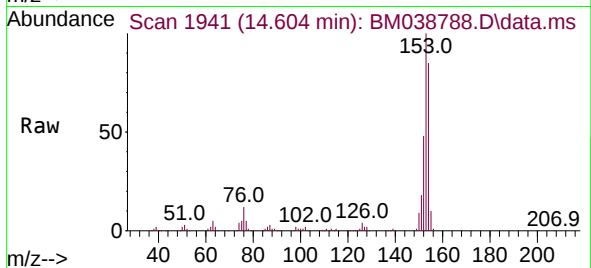
Tgt Ion:165 Resp: 102158  
Ion Ratio Lower Upper  
165 100  
63 44.4 35.8 53.8  
89 52.1 39.3 58.9





#52  
Acenaphthene  
Concen: 39.453 ng  
RT: 14.604 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

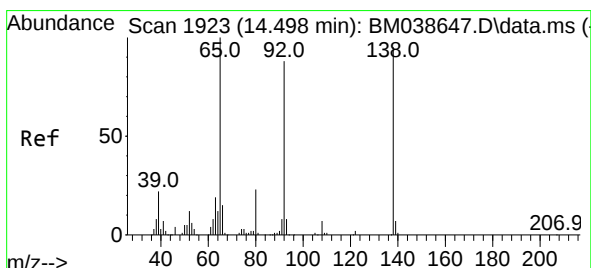
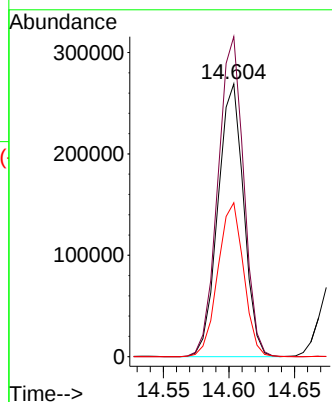
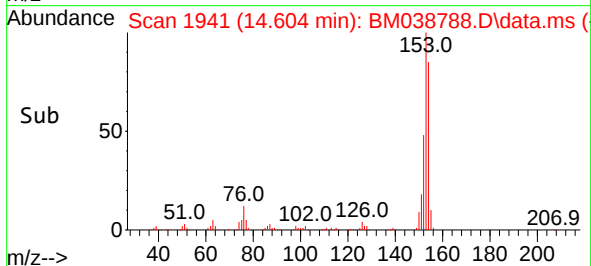
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



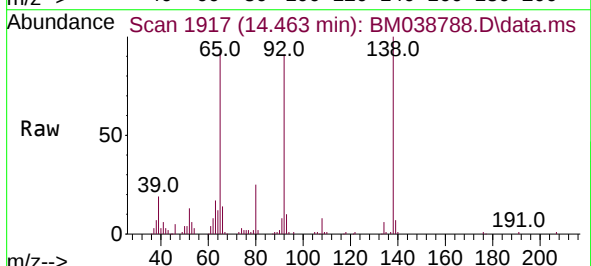
Tgt Ion:154 Resp: 367912  
Ion Ratio Lower Upper  
154 100  
153 117.3 93.7 140.5  
152 56.4 44.6 67.0

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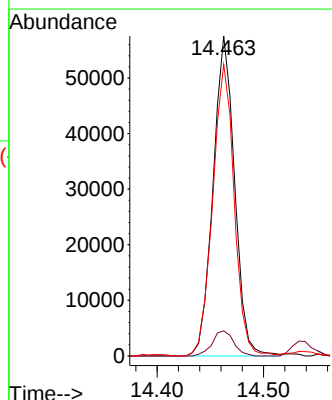
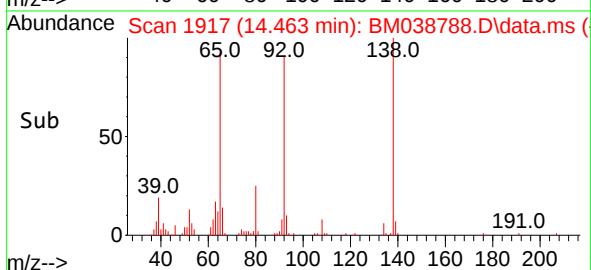
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

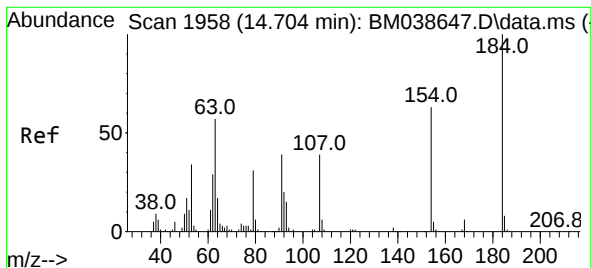


#53  
3-Nitroaniline  
Concen: 29.935 ng  
RT: 14.463 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:138 Resp: 80908  
Ion Ratio Lower Upper  
138 100  
108 7.8 5.8 8.8  
92 91.1 73.9 110.9





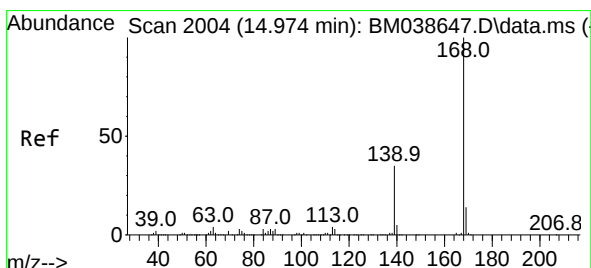
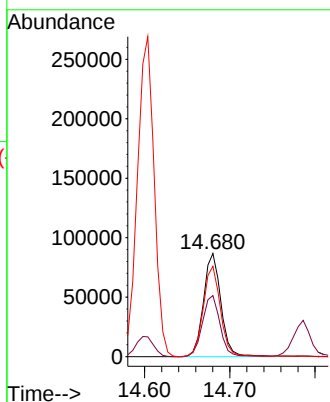
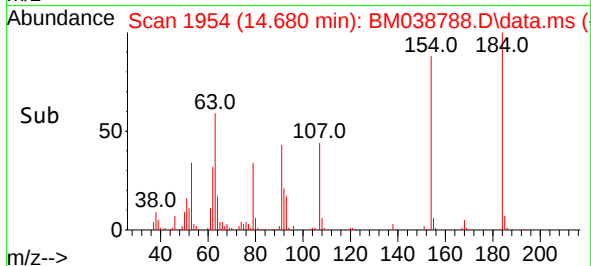
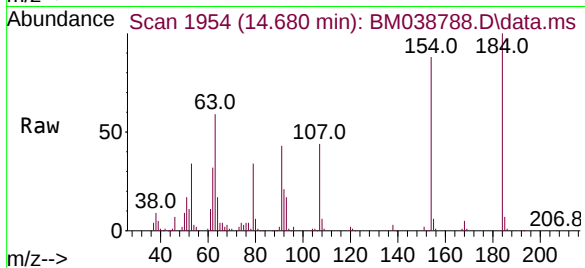
#54  
2,4-Dinitrophenol  
Concen: 71.568 ng  
RT: 14.680 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS

Tgt Ion:184 Resp: 122907  
Ion Ratio Lower Upper  
184 100  
63 59.1 45.9 68.9  
154 87.6 54.9 82.3

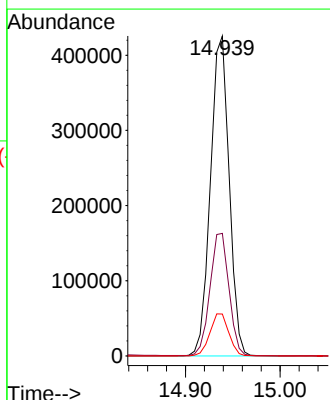
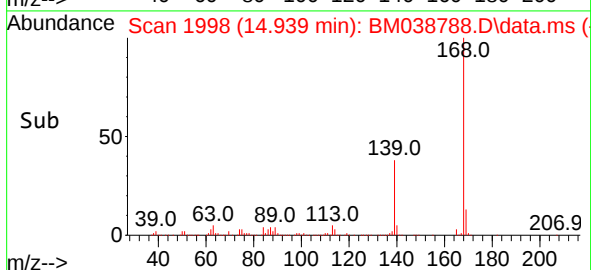
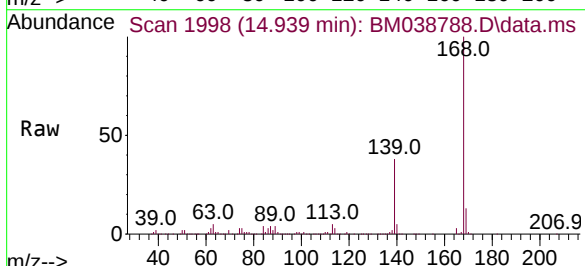
Manual Integrations  
APPROVED

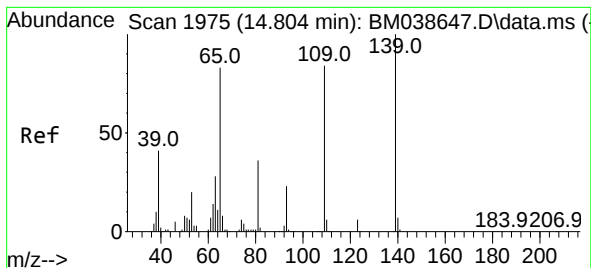
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#55  
Dibenzofuran  
Concen: 36.381 ng  
RT: 14.939 min Scan# 1998  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

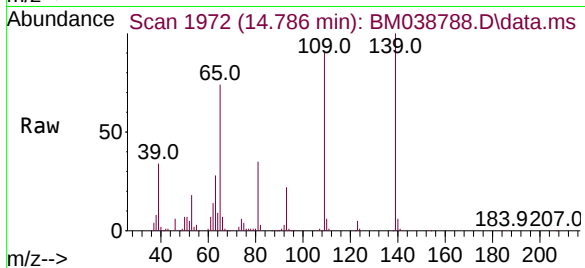
Tgt Ion:168 Resp: 584224  
Ion Ratio Lower Upper  
168 100  
139 38.3 27.8 41.6  
169 13.1 10.9 16.3





#56  
4-Nitrophenol  
Concen: 75.335 ng  
RT: 14.786 min Scan# 1975  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

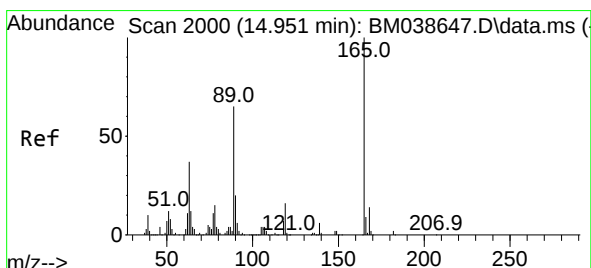
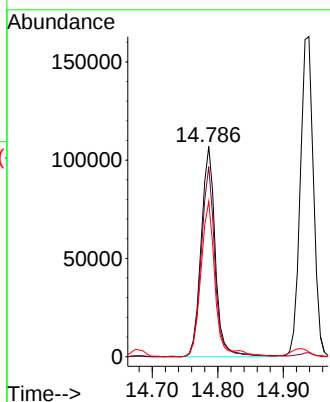
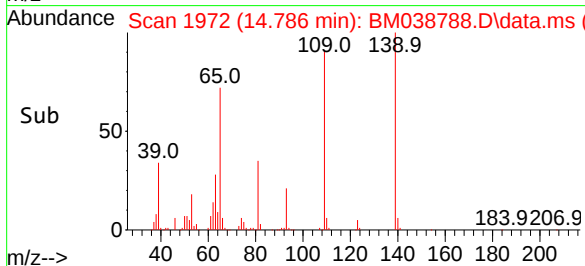
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



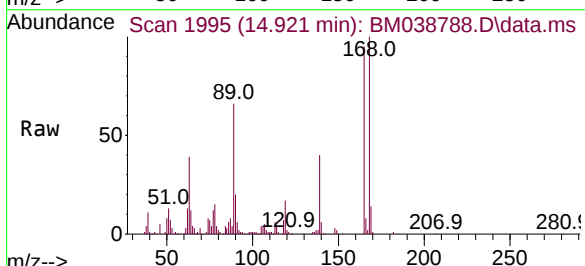
Tgt Ion:139 Resp: 159414  
Ion Ratio Lower Upper  
139 100  
109 90.4 63.8 103.8  
65 73.8 62.5 102.5

Manual Integrations  
APPROVED

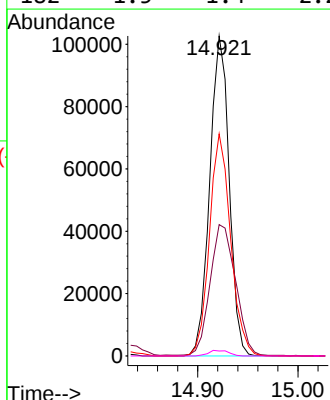
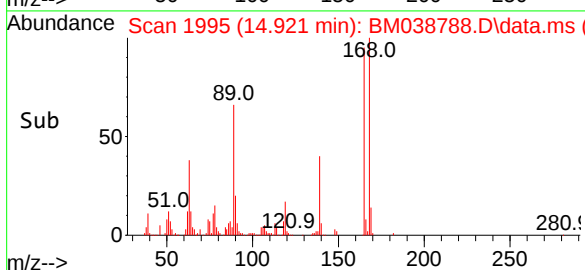
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

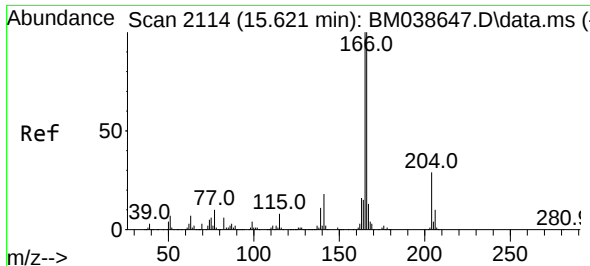


#57  
2,4-Dinitrotoluene  
Concen: 35.952 ng  
RT: 14.921 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



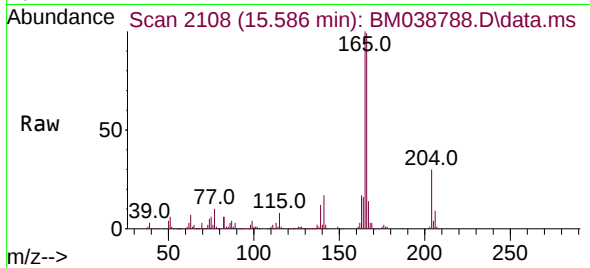
Tgt Ion:165 Resp: 138316  
Ion Ratio Lower Upper  
165 100  
63 41.0 29.4 44.0  
89 69.4 51.8 77.6  
182 1.5 1.4 2.2





#58  
Fluorene  
Concen: 37.080 ng  
RT: 15.586 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

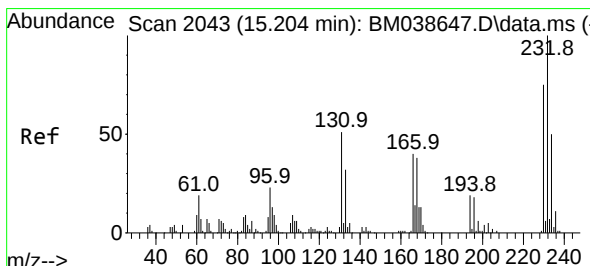
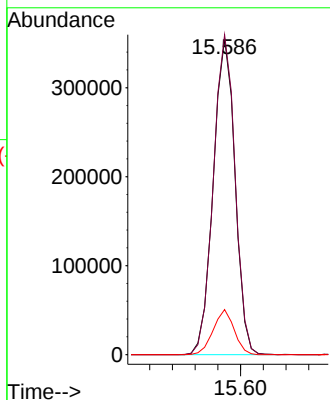
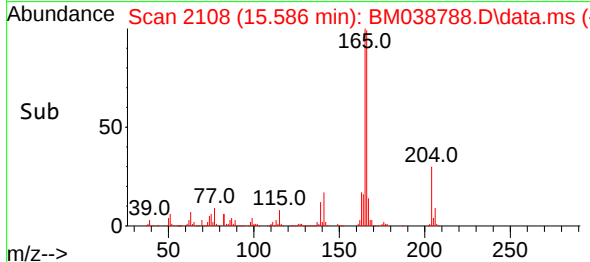
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



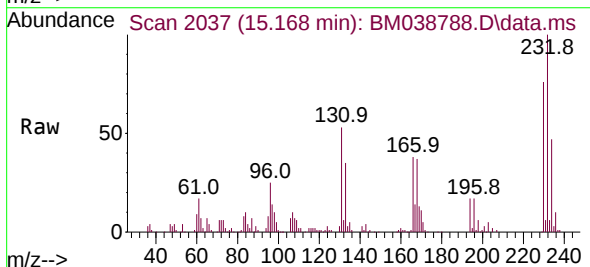
Tgt Ion:166 Resp: 471149  
Ion Ratio Lower Upper  
166 100  
165 101.2 80.2 120.4  
167 14.2 10.7 16.1

Manual Integrations  
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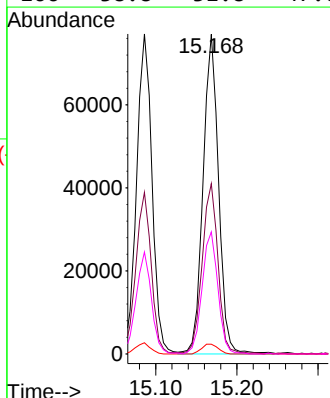
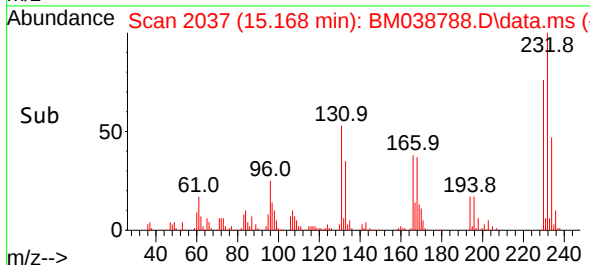
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

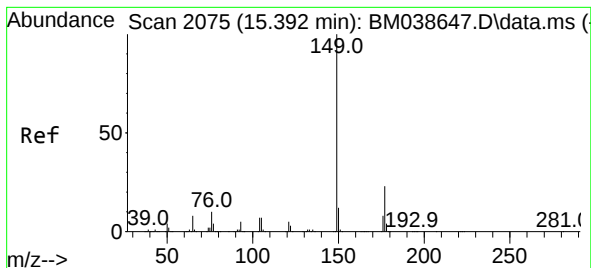


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.468 ng  
RT: 15.168 min Scan# 2037  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:232 Resp: 102473  
Ion Ratio Lower Upper  
232 100  
131 54.3 41.2 61.8  
130 3.2 2.4 3.6  
166 38.8 31.8 47.6





#60

Diethylphthalate

Concen: 39.731 ng

RT: 15.362 min Scan# 2075

Delta R.T. 0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

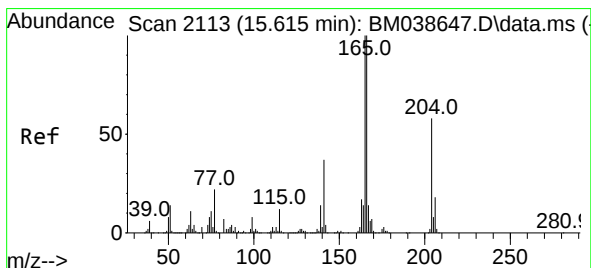
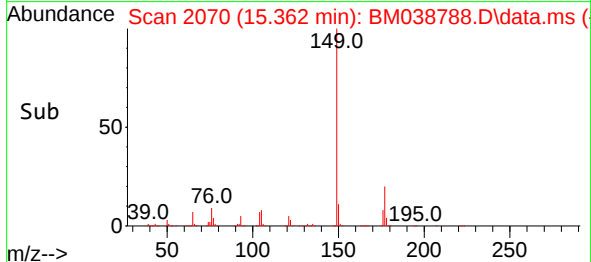
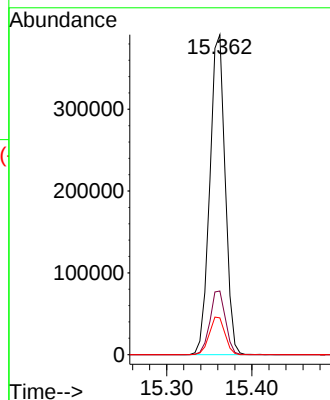
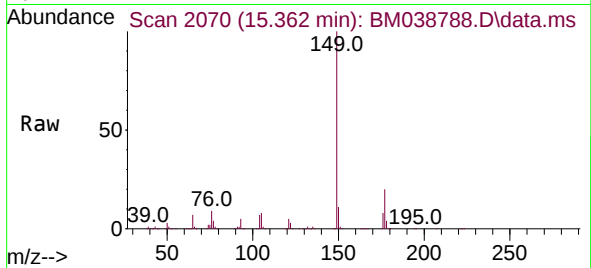
Tgt Ion:149 Resp: 488612

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 19.9  | 18.1  | 27.1  |
| 150 | 11.5  | 10.0  | 15.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#61

4-Chlorophenyl-phenylether

Concen: 40.985 ng

RT: 15.580 min Scan# 2107

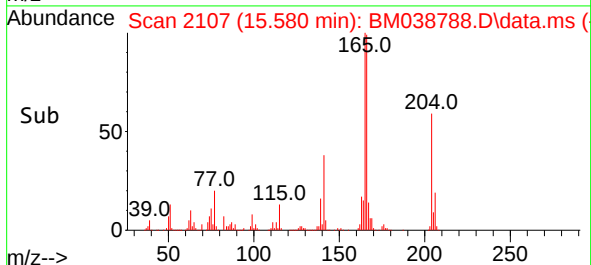
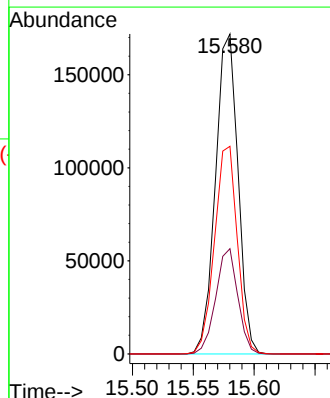
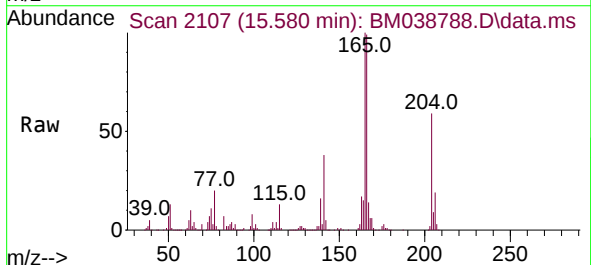
Delta R.T. 0.000 min

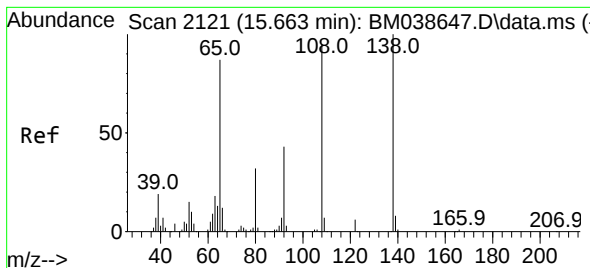
Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Tgt Ion:204 Resp: 220925

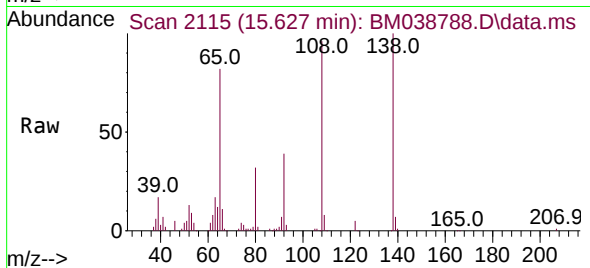
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 204 | 100   |       |       |
| 206 | 32.9  | 25.3  | 37.9  |
| 141 | 64.9  | 51.3  | 76.9  |





#62  
4-Nitroaniline  
Concen: 34.917 ng m  
RT: 15.627 min Scan# 2115  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

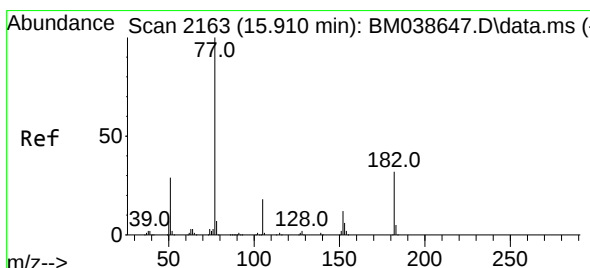
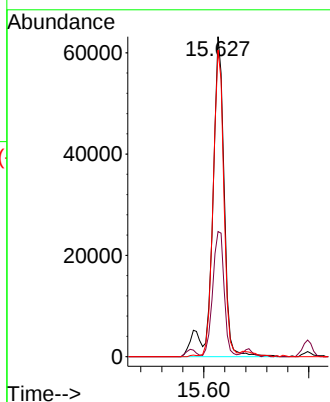
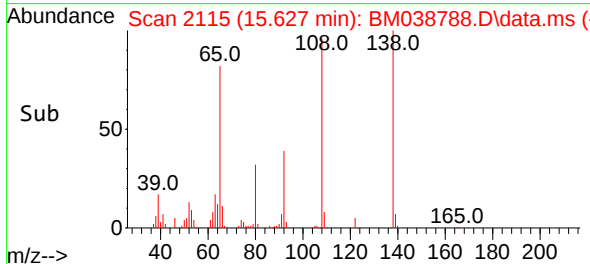
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



Tgt Ion:138 Resp: 97489  
Ion Ratio Lower Upper  
138 100  
92 39.1 23.4 63.4  
108 95.8 75.1 115.1

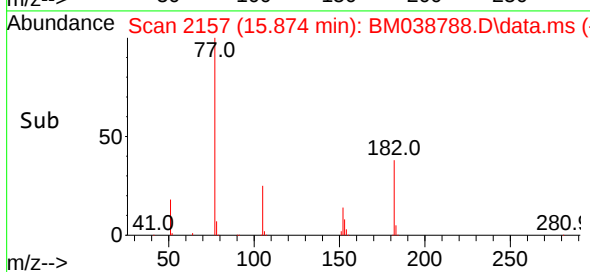
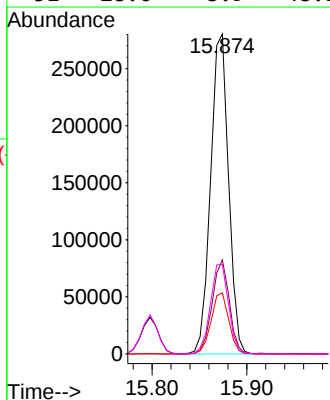
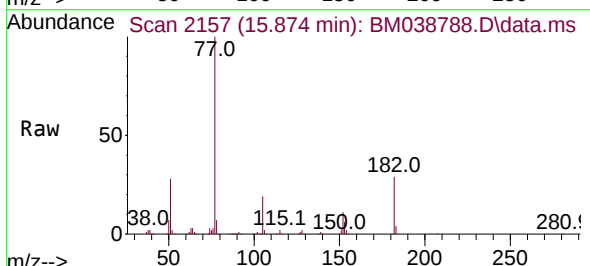
Manual Integrations  
APPROVED

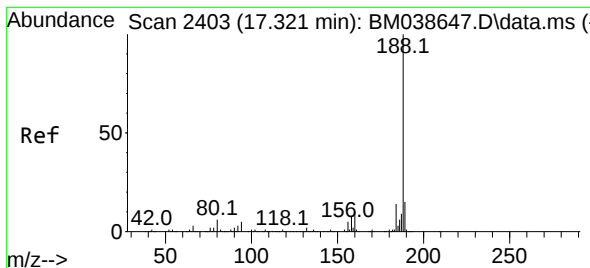
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#63  
Azobenzene  
Concen: 39.086 ng  
RT: 15.874 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

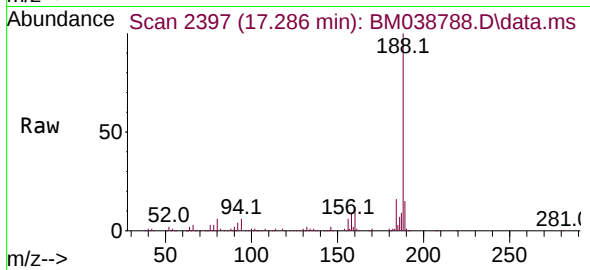
Tgt Ion: 77 Resp: 369824  
Ion Ratio Lower Upper  
77 100  
182 29.4 12.0 52.0  
105 19.1 0.0 37.5  
51 28.0 8.9 48.9





#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.286 min Scan# 2397  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

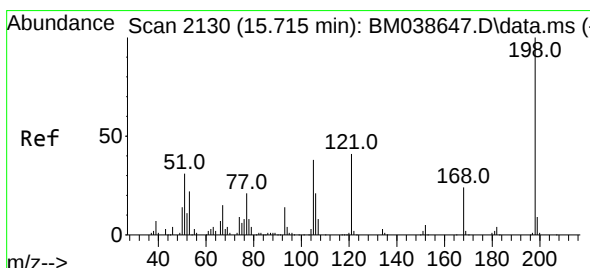
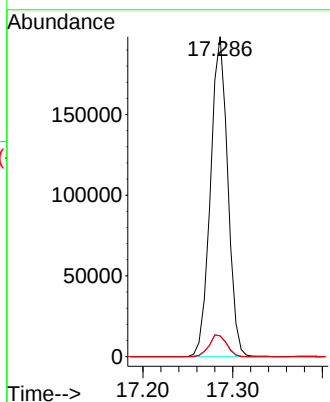
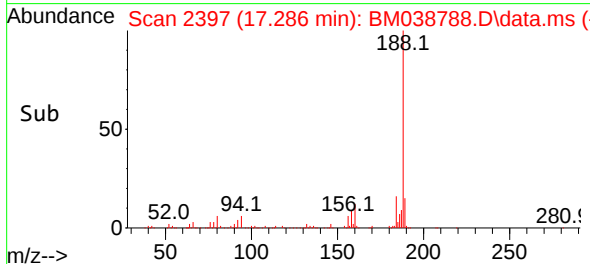
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



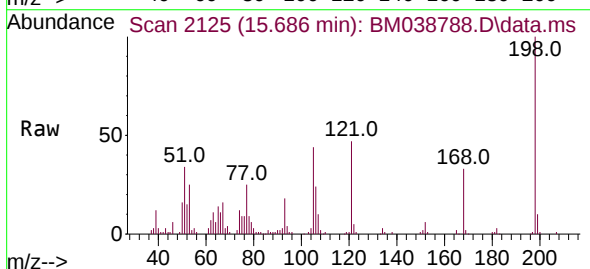
Tgt Ion:188 Resp: 264746  
Ion Ratio Lower Upper  
188 100  
94 6.5 4.2 6.4  
80 6.5 4.6 7.0

Manual Integrations  
APPROVED

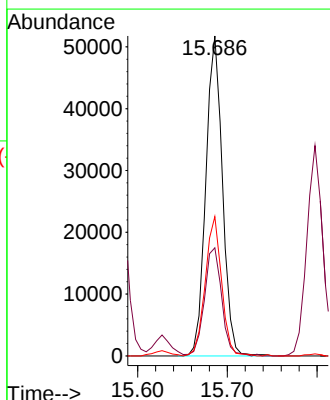
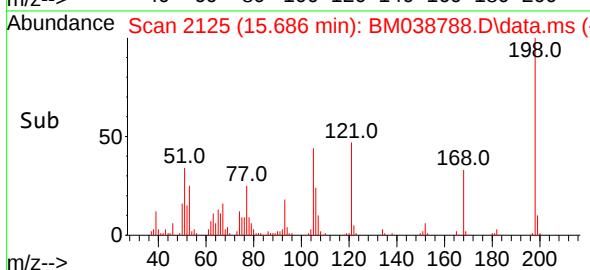
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

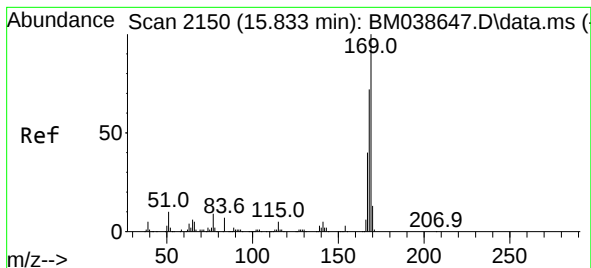


#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.056 ng  
RT: 15.686 min Scan# 2125  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



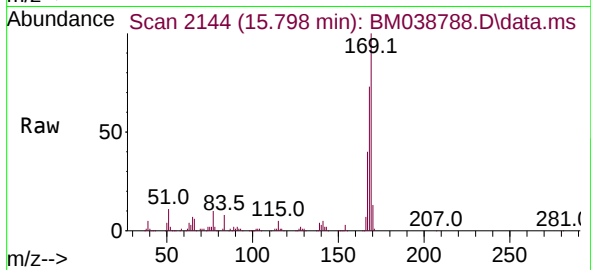
Tgt Ion:198 Resp: 66759  
Ion Ratio Lower Upper  
198 100  
51 33.8 13.0 53.0  
105 43.6 17.9 57.9





#66  
n-Nitrosodiphenylamine  
Concen: 43.795 ng  
RT: 15.798 min Scan# 2150  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

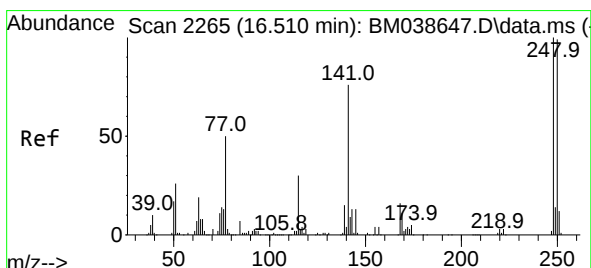
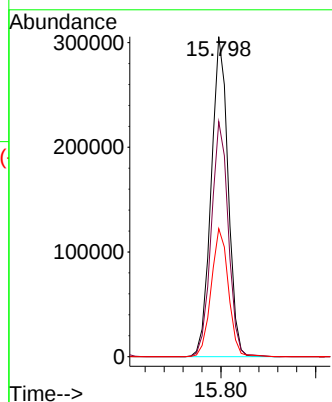
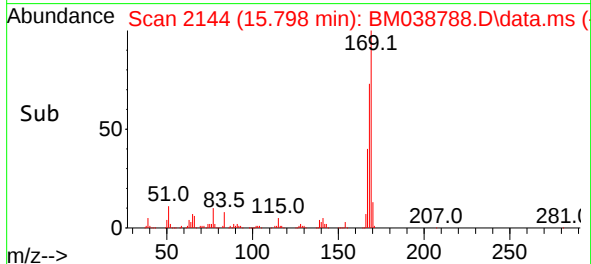
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



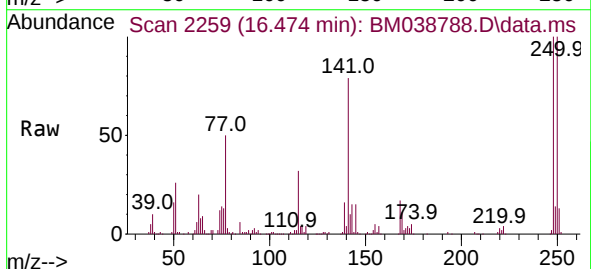
Tgt Ion:169 Resp: 378583  
Ion Ratio Lower Upper  
169 100  
168 73.4 57.6 86.4  
167 40.0 32.3 48.5

Manual Integrations  
APPROVED

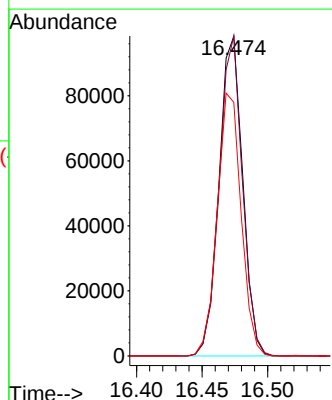
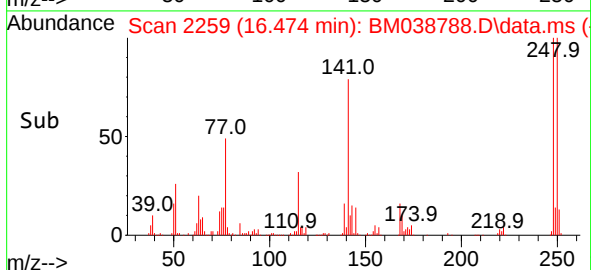
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

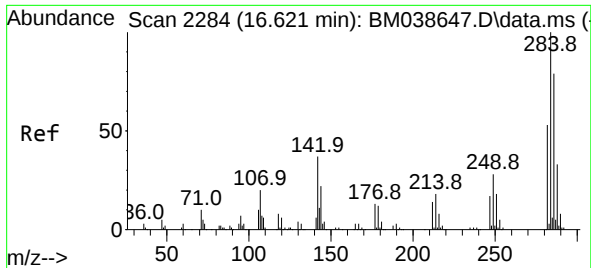


#67  
4-Bromophenyl-phenylether  
Concen: 48.520 ng  
RT: 16.474 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



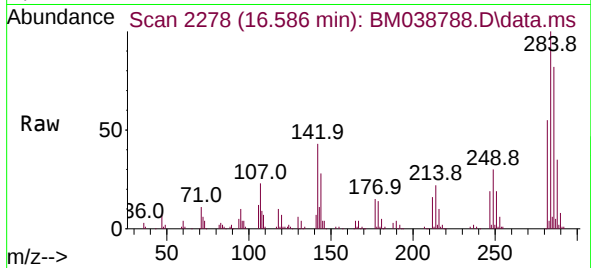
Tgt Ion:248 Resp: 124031  
Ion Ratio Lower Upper  
248 100  
250 100.1 79.4 119.2  
141 79.3 61.0 91.6





#68  
Hexachlorobenzene  
Concen: 47.633 ng  
RT: 16.586 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

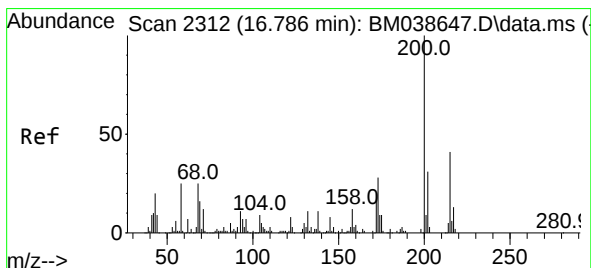
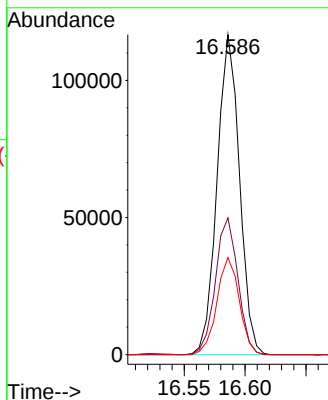
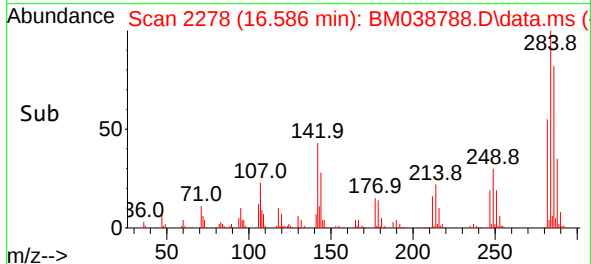
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



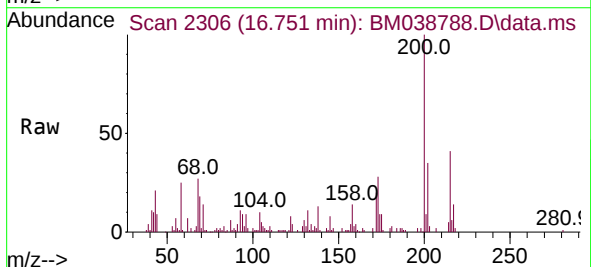
Tgt Ion:284 Resp: 14881  
Ion Ratio Lower Upper  
284 100  
142 42.7 29.8 44.6  
249 30.4 22.2 33.4

Manual Integrations  
APPROVED

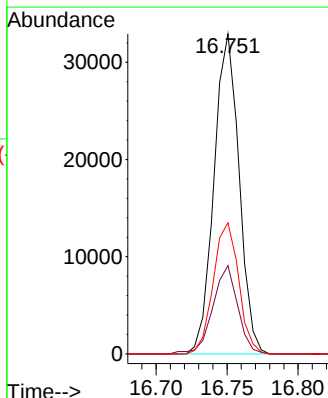
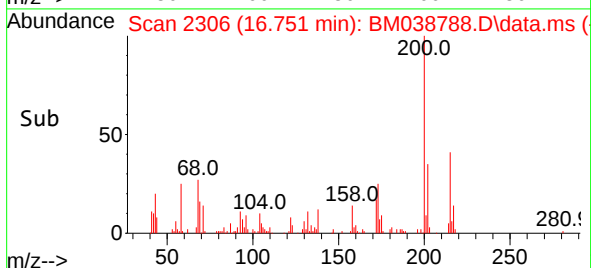
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

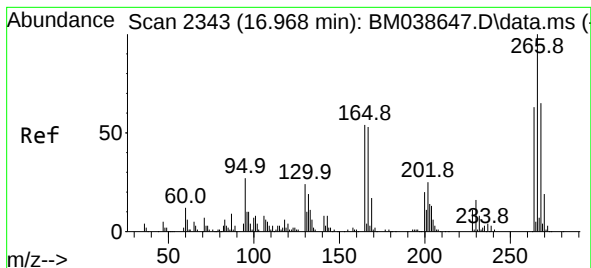


#69  
Atrazine  
Concen: 16.144 ng  
RT: 16.751 min Scan# 2306  
Delta R.T. -0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:200 Resp: 40447  
Ion Ratio Lower Upper  
200 100  
173 27.6 7.9 47.9  
215 41.0 20.8 60.8





#70

Pentachlorophenol

Concen: 75.577 ng

RT: 16.939 min Scan# 2338

Delta R.T. 0.000 min

Lab File: BM038788.D

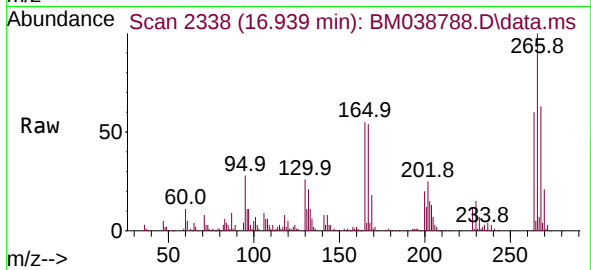
Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

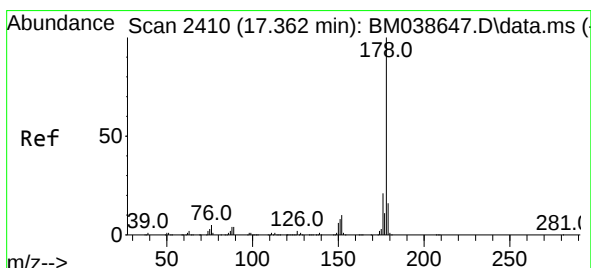
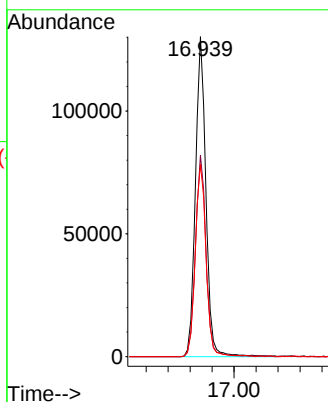
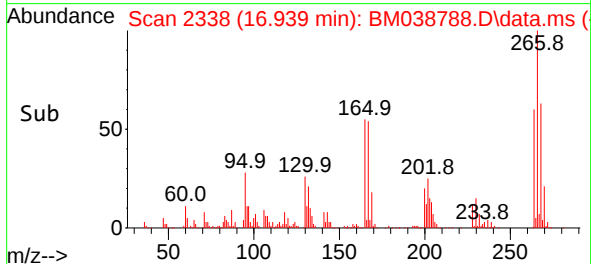


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 172120 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.0  | 51.8  | 77.6   |
| 264       | 60.1  | 50.6  | 76.0   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#71

Phenanthrene

Concen: 40.862 ng

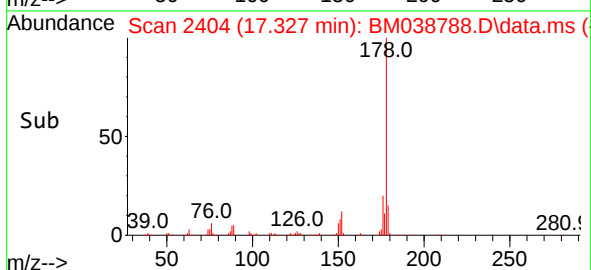
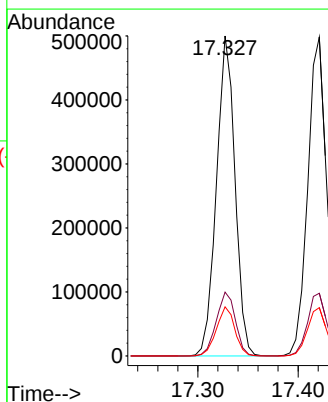
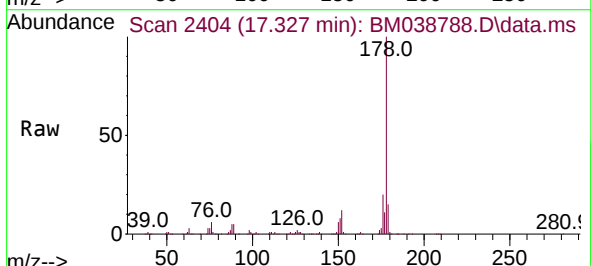
RT: 17.327 min Scan# 2404

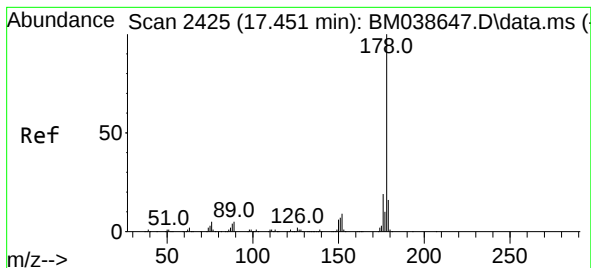
Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 642351 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.9  | 16.7  | 25.1   |
| 179       | 15.4  | 12.5  | 18.7   |





#72

Anthracene

Concen: 39.991 ng

RT: 17.421 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:178 Resp: 643114

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

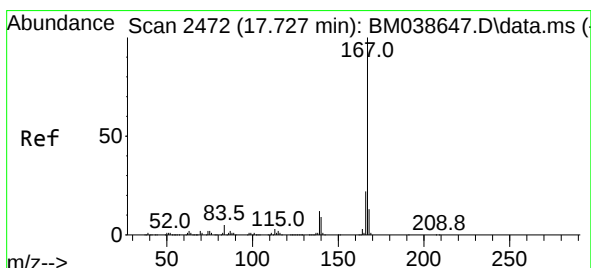
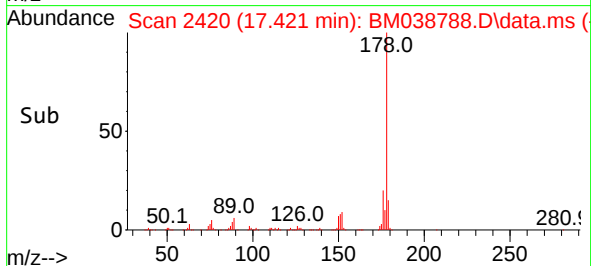
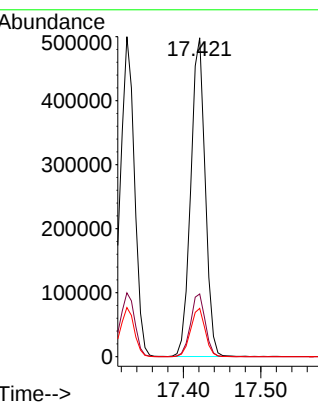
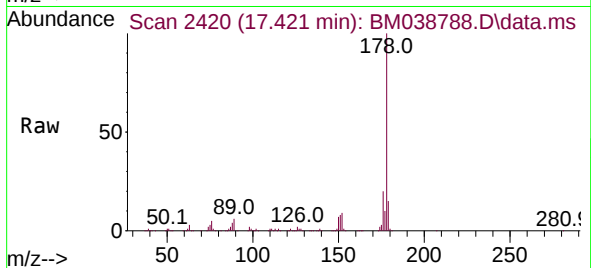
179 15.1 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#73

Carbazole

Concen: 38.688 ng

RT: 17.698 min Scan# 2467

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

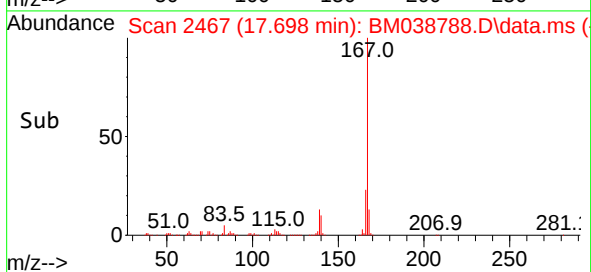
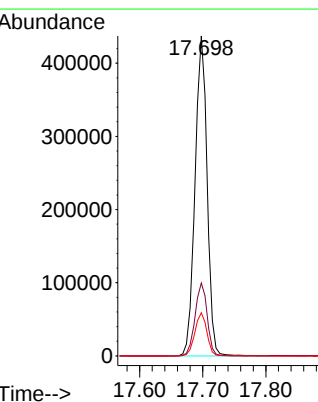
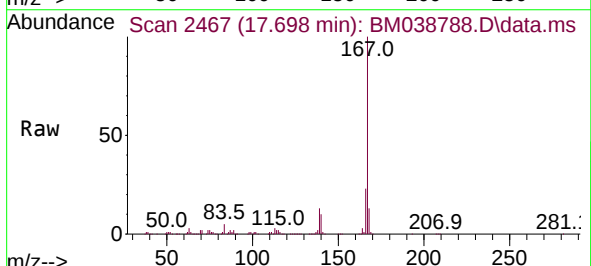
Tgt Ion:167 Resp: 580245

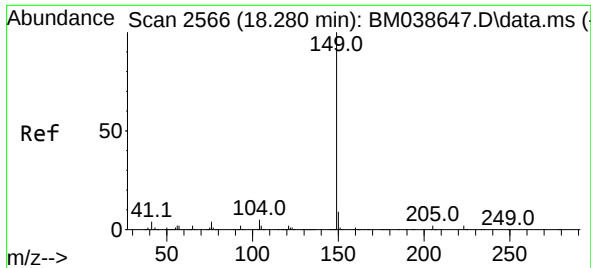
Ion Ratio Lower Upper

167 100

166 22.8 17.8 26.6

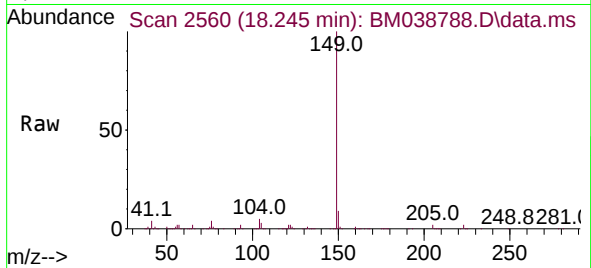
139 13.5 9.4 14.2





#74  
Di-n-butylphthalate  
Concen: 45.823 ng  
RT: 18.245 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

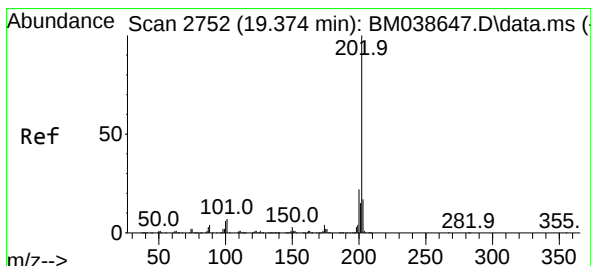
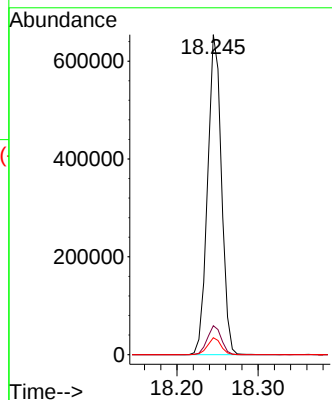
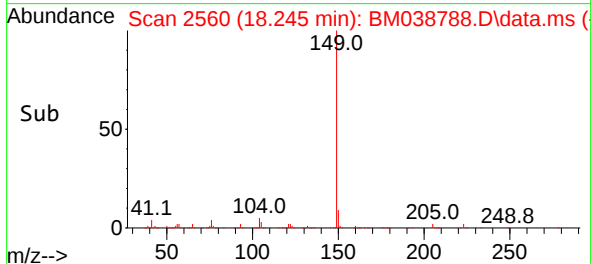
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



Tgt Ion:149 Resp: 776473  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.4 11.0  
104 5.3 3.8 5.6

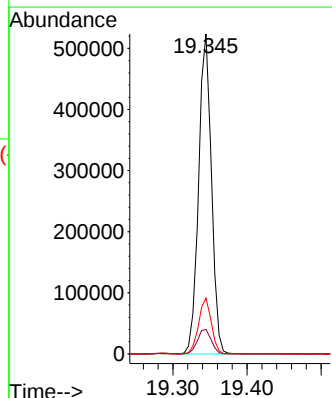
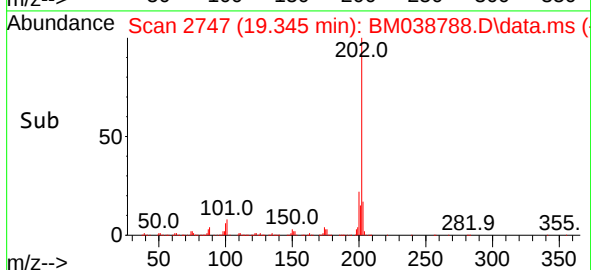
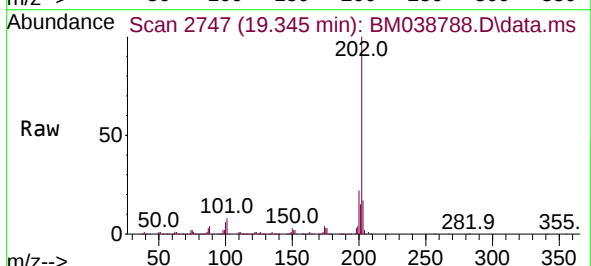
Manual Integrations  
APPROVED

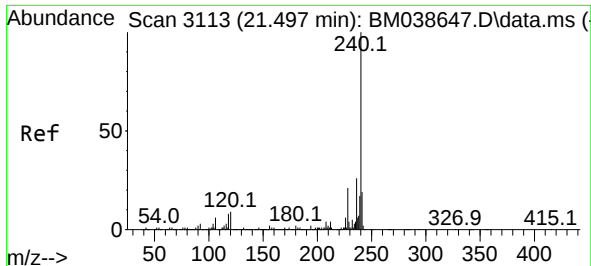
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#75  
Fluoranthene  
Concen: 38.127 ng  
RT: 19.345 min Scan# 2747  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

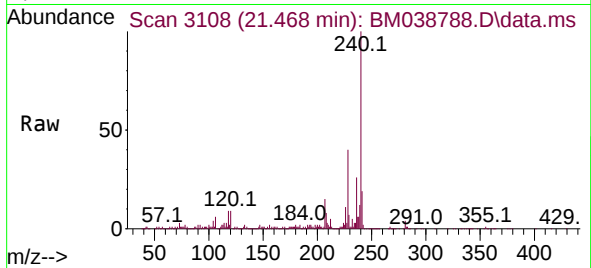
Tgt Ion:202 Resp: 629288  
Ion Ratio Lower Upper  
202 100  
101 7.6 0.0 27.4  
203 17.4 0.0 37.3





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.468 min Scan# 3113  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

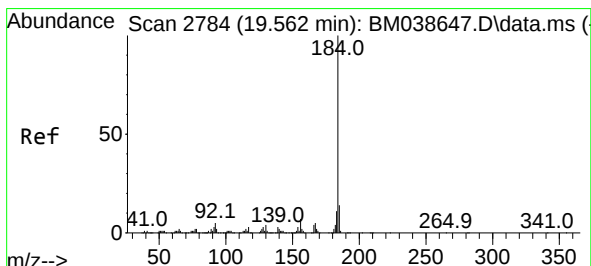
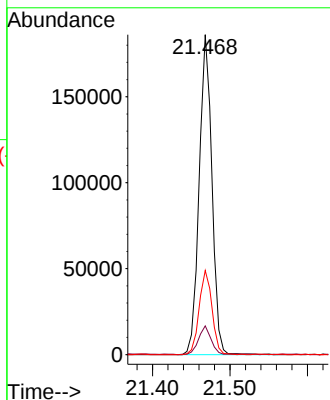
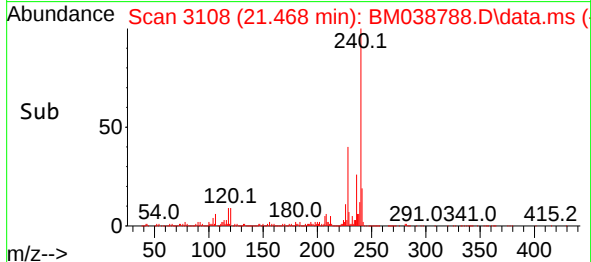
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



Tgt Ion:240 Resp: 211986  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.0 10.4  
236 26.3 20.9 31.3

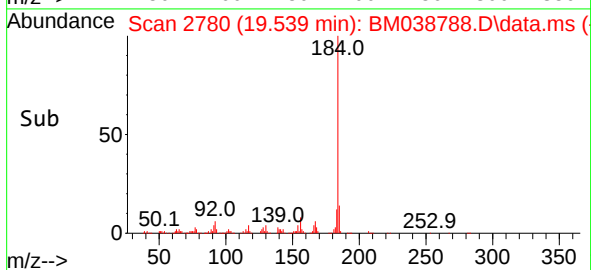
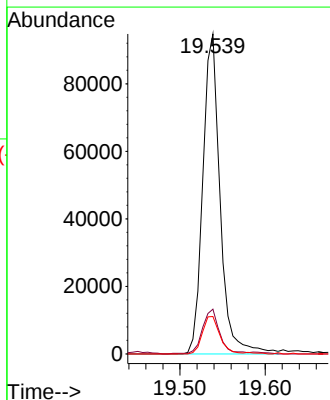
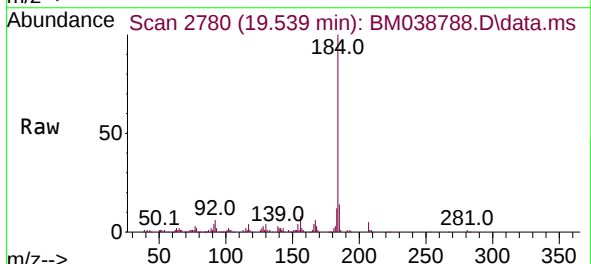
Manual Integrations  
APPROVED

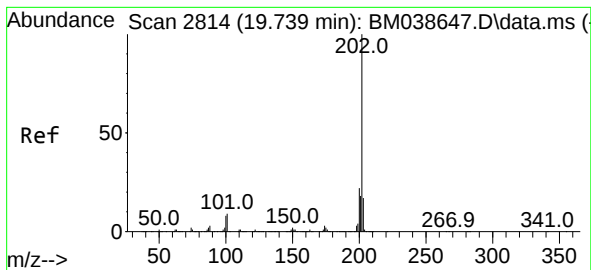
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023



#77  
Benzidine  
Concen: 22.718 ng  
RT: 19.539 min Scan# 2780  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

Tgt Ion:184 Resp: 133522  
Ion Ratio Lower Upper  
184 100  
185 14.0 10.8 16.2  
183 11.7 8.8 13.2





#78

Pyrene

Concen: 39.547 ng

RT: 19.709 min Scan# 2814

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:202 Resp: 645446

Ion Ratio Lower Upper

202 100

200 22.3 17.8 26.6

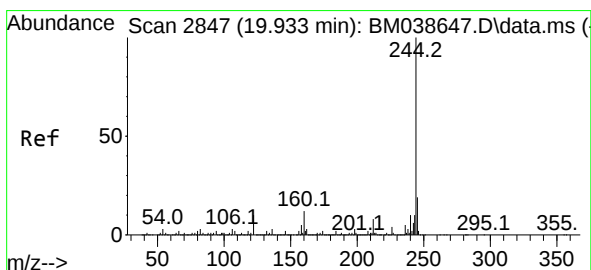
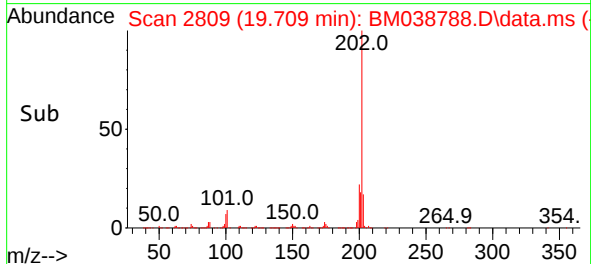
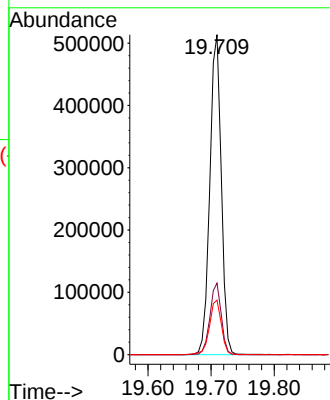
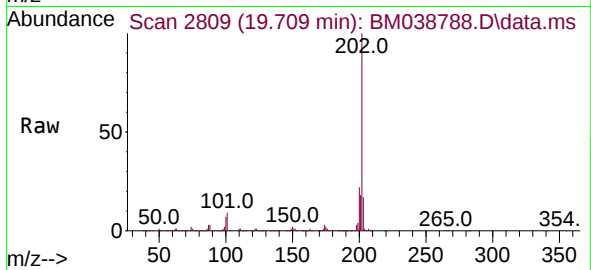
203 17.0 13.5 20.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#79

Terphenyl-d14

Concen: 95.627 ng

RT: 19.909 min Scan# 2843

Delta R.T. 0.000 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

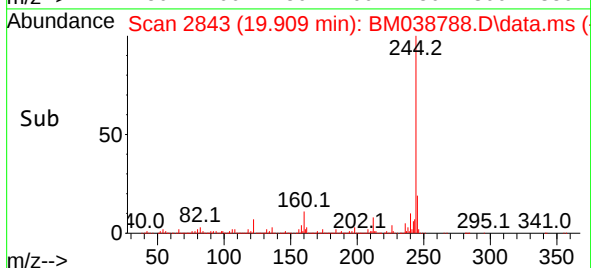
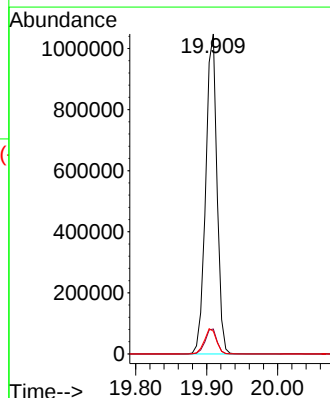
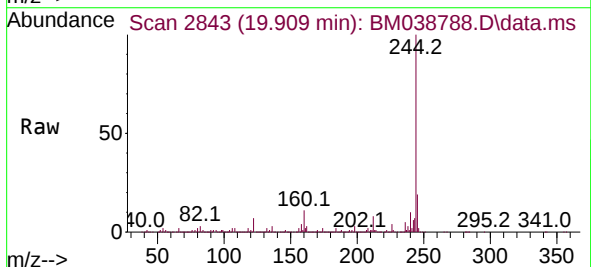
Tgt Ion:244 Resp: 1148751

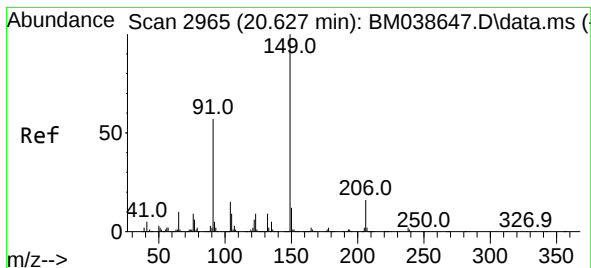
Ion Ratio Lower Upper

244 100

212 7.8 6.6 9.8

122 7.1 7.8 11.8#





#80

Butylbenzylphthalate

Concen: 38.484 ng

RT: 20.597 min Scan# 29

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:149 Resp: 309426

Ion Ratio Lower Upper

149 100

91 59.0 45.6 68.4

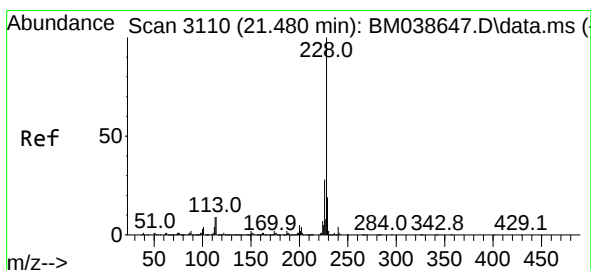
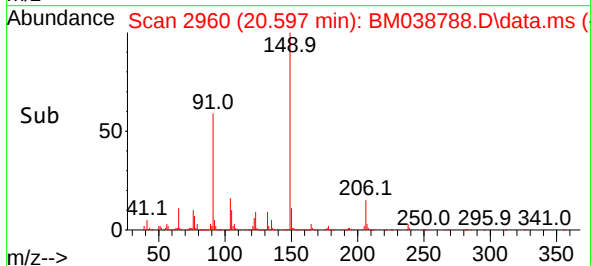
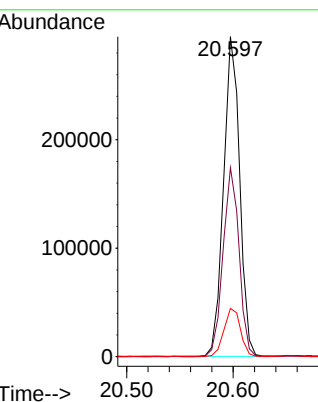
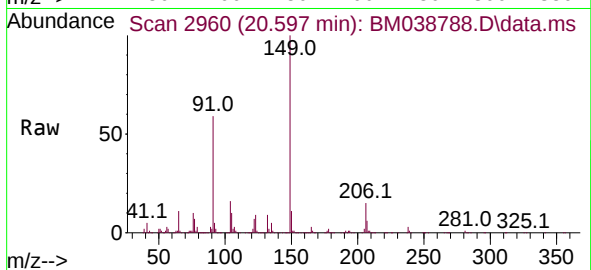
206 15.1 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#81

Benzo(a)anthracene

Concen: 39.678 ng

RT: 21.450 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

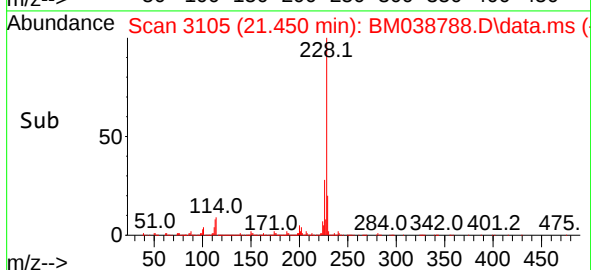
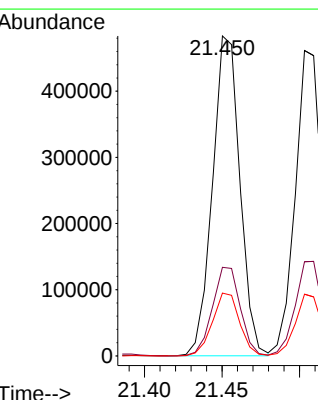
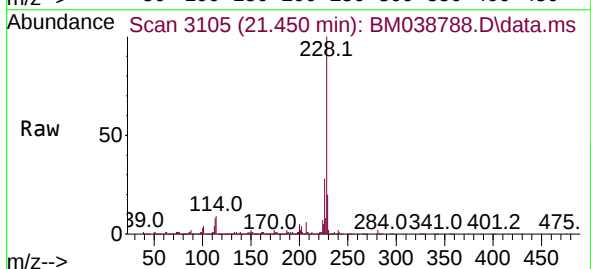
Tgt Ion:228 Resp: 594976

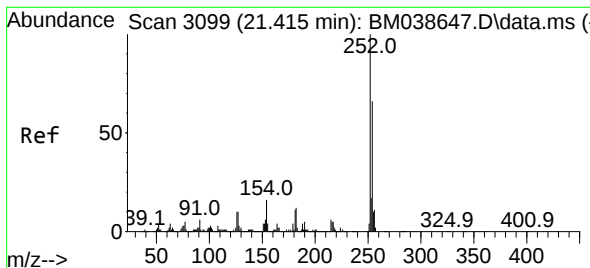
Ion Ratio Lower Upper

228 100

226 27.7 22.2 33.4

229 19.6 15.5 23.3





#82

3,3'-Dichlorobenzidine

Concen: 37.991 ng

RT: 21.386 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:252 Resp: 195989

Ion Ratio Lower Upper

252 100

254 65.1 52.8 79.2

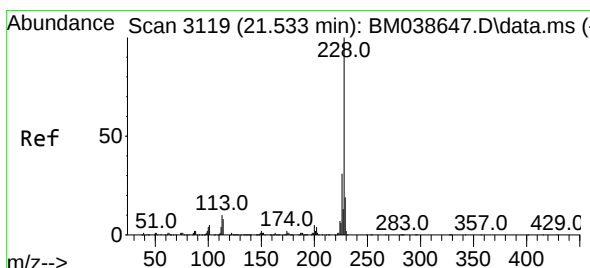
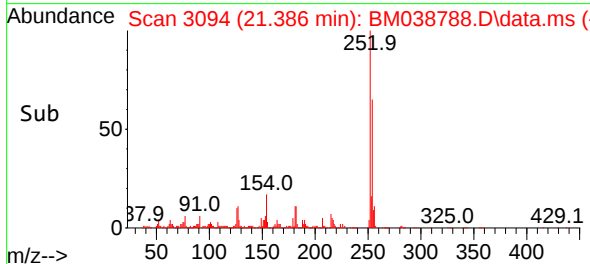
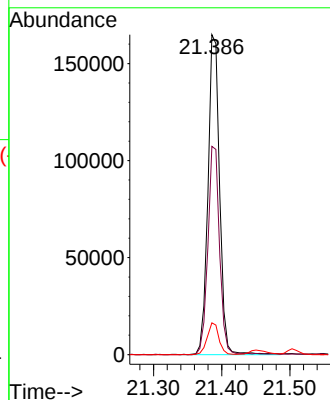
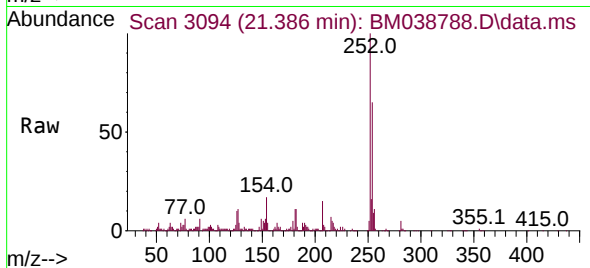
126 9.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#83

Chrysene

Concen: 37.877 ng

RT: 21.503 min Scan# 3114

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

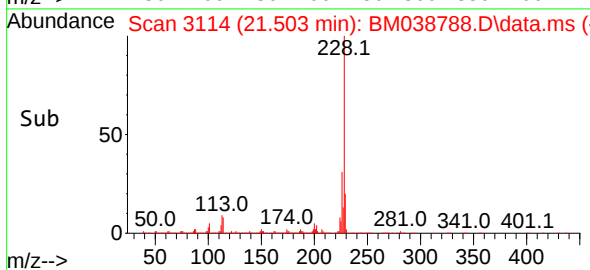
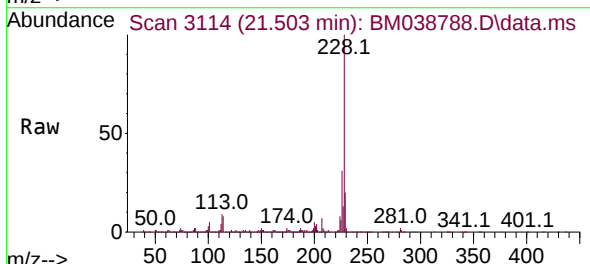
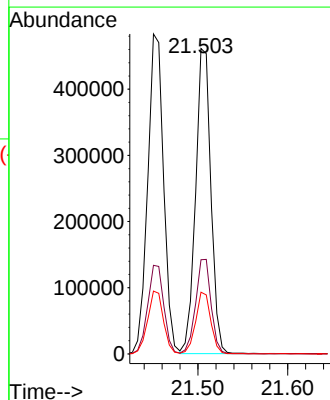
Tgt Ion:228 Resp: 547236

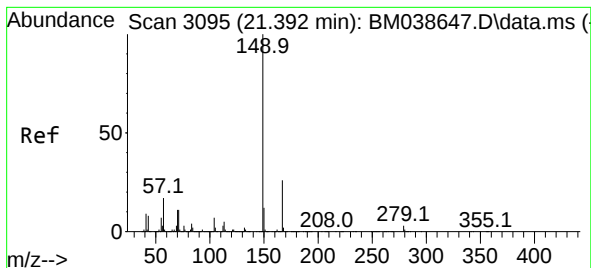
Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

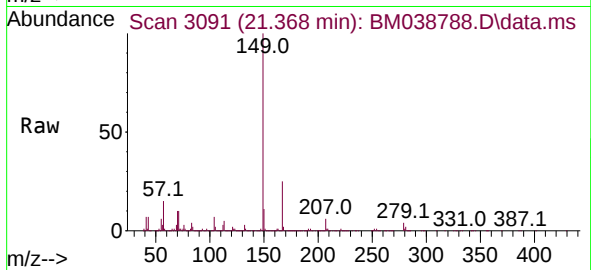
229 20.2 15.5 23.3





#84  
Bis(2-ethylhexyl)phthalate  
Concen: 38.976 ng  
RT: 21.368 min Scan# 3091  
Delta R.T. 0.000 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42

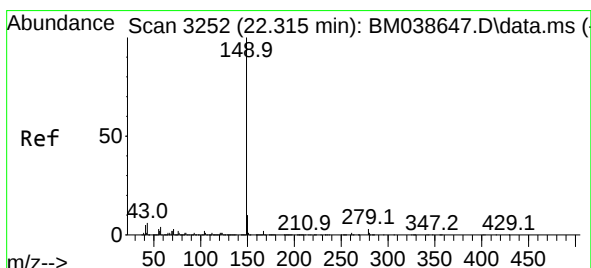
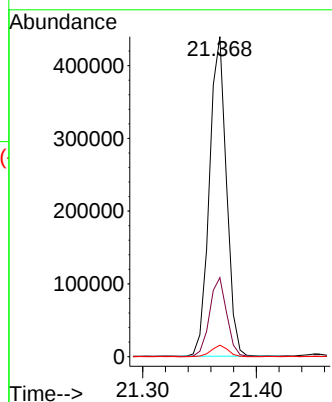
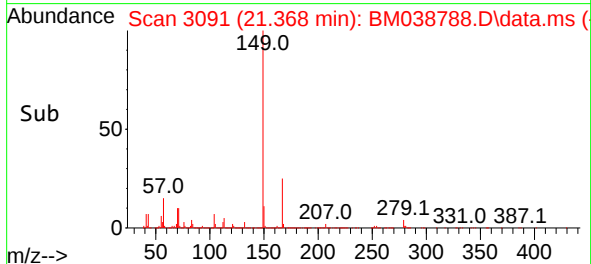
Instrument :  
BNA\_M  
ClientSampleId :  
PB150932BS



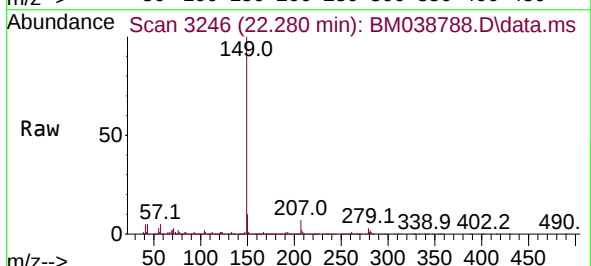
Tgt Ion:149 Resp: 457380  
Ion Ratio Lower Upper  
149 100  
167 24.7 20.8 31.2  
279 3.6 2.5 3.7

Manual Integrations  
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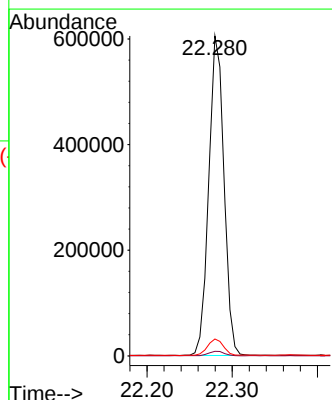
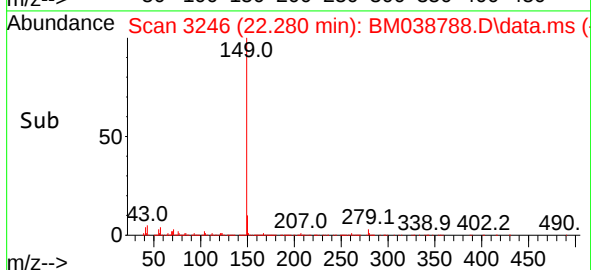
Reviewed By :Christian Giraldo 02/21/2023  
Supervised By :Jagrut Upadhyay 02/21/2023

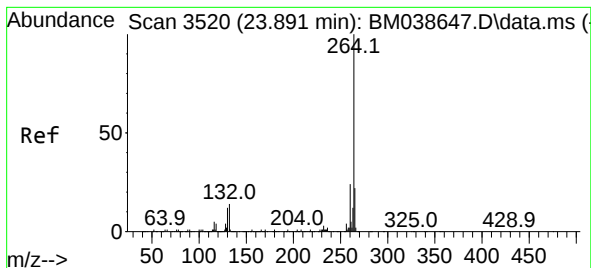


#85  
Di-n-octyl phthalate  
Concen: 39.033 ng  
RT: 22.280 min Scan# 3246  
Delta R.T. -0.006 min  
Lab File: BM038788.D  
Acq: 20 Feb 2023 15:42



Tgt Ion:149 Resp: 749860  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 5.5 4.6 6.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.844 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS

Tgt Ion:264 Resp: 199954

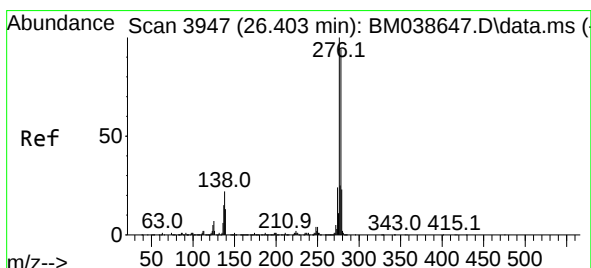
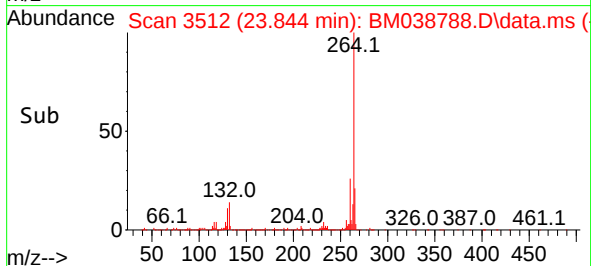
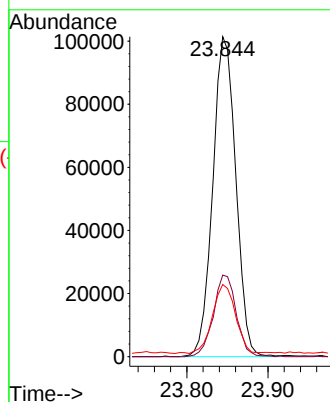
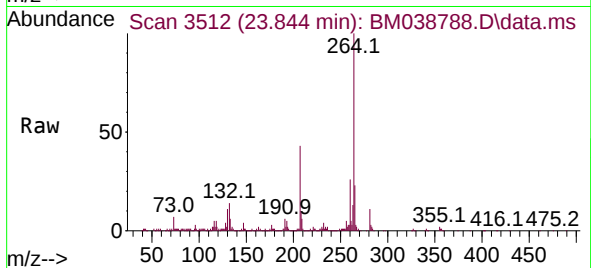
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.5  | 19.6  | 29.4  |
| 265 | 22.5  | 17.9  | 26.9  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 49.340 ng

RT: 26.332 min Scan# 3935

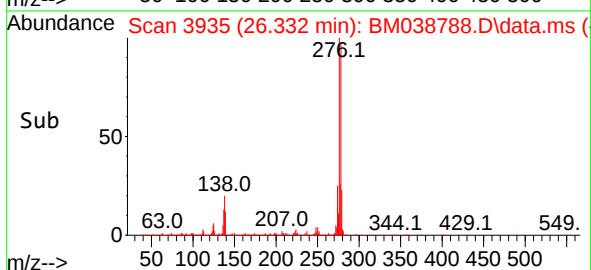
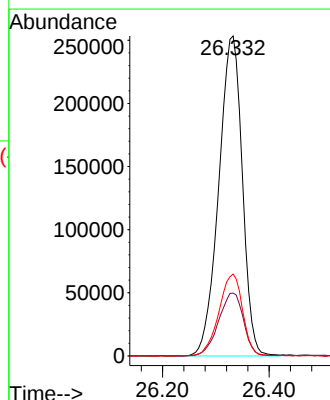
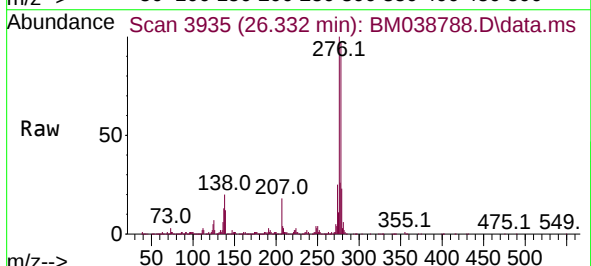
Delta R.T. 0.000 min

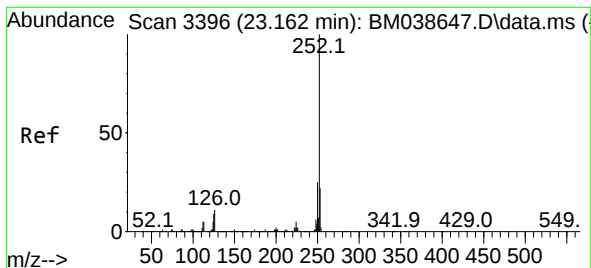
Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Tgt Ion:276 Resp: 777085

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.9  | 17.2  | 25.8  |
| 277 | 25.8  | 20.2  | 30.4  |





#88

Benzo(b)fluoranthene

Concen: 50.101 ng

RT: 23.121 min Scan# 3396

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

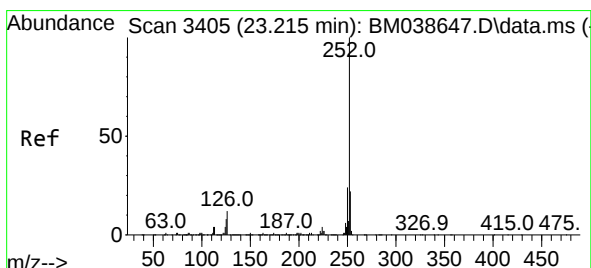
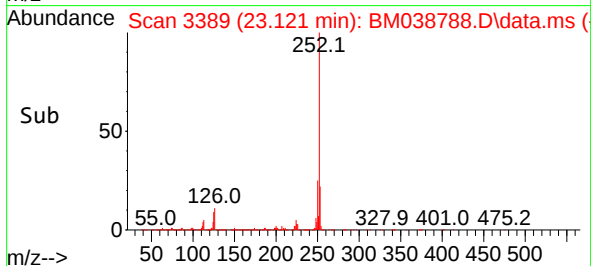
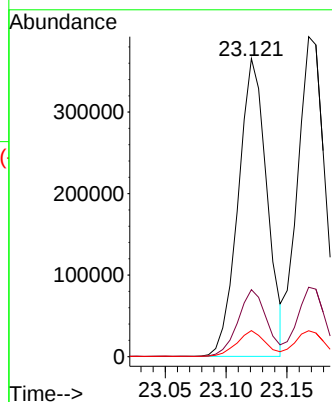
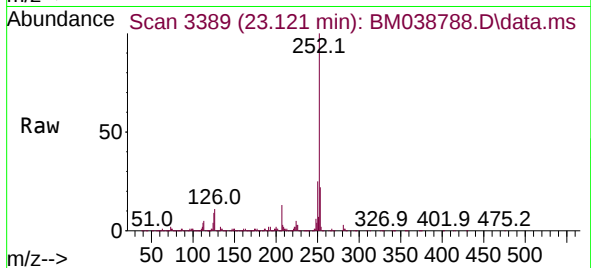
PB150932BS

Tgt Ion:252 Resp: 600032  
 Ion Ratio Lower Upper  
 252 100  
 253 22.5 17.4 26.2  
 125 8.7 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023  
 Supervised By :Jagrut Upadhyay 02/21/2023



#89

Benzo(k)fluoranthene

Concen: 50.612 ng

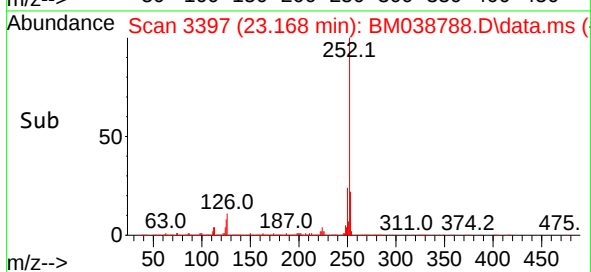
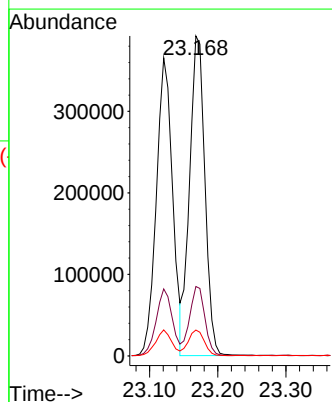
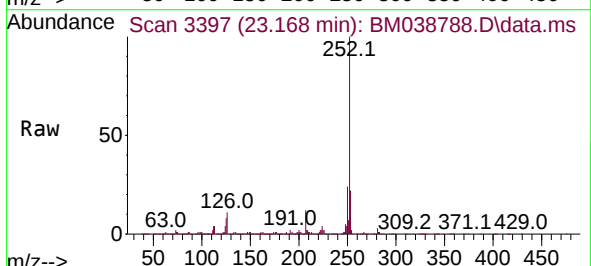
RT: 23.168 min Scan# 3397

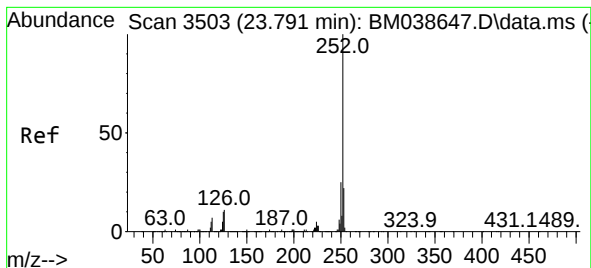
Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

Tgt Ion:252 Resp: 615535  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 17.4 26.0  
 125 8.1 6.6 9.8





#90

Benzo(a)pyrene

Concen: 43.896 ng

RT: 23.744 min Scan# 34

Delta R.T. 0.000 min

Lab File: BM038788.D

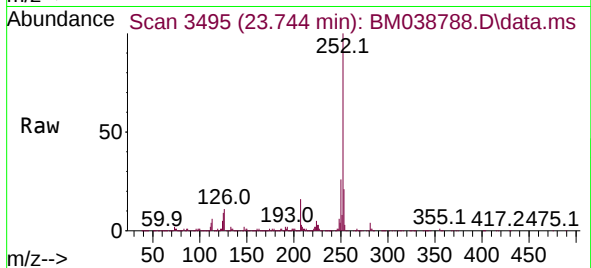
Acq: 20 Feb 2023 15:42

Instrument :

BNA\_M

ClientSampleId :

PB150932BS



Tgt Ion:252 Resp: 519896

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

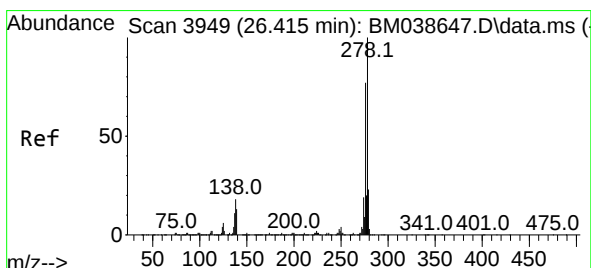
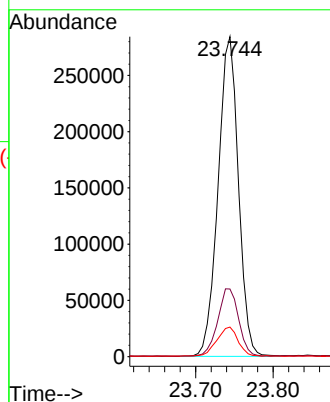
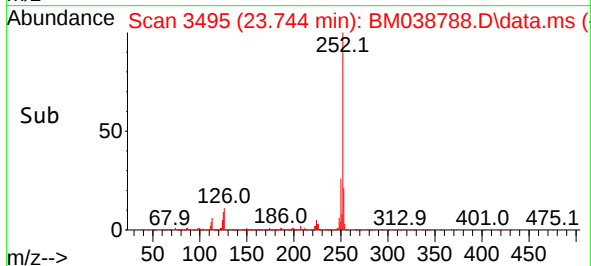
125 9.2 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#91

Dibenzo(a,h)anthracene

Concen: 51.703 ng

RT: 26.338 min Scan# 3936

Delta R.T. -0.006 min

Lab File: BM038788.D

Acq: 20 Feb 2023 15:42

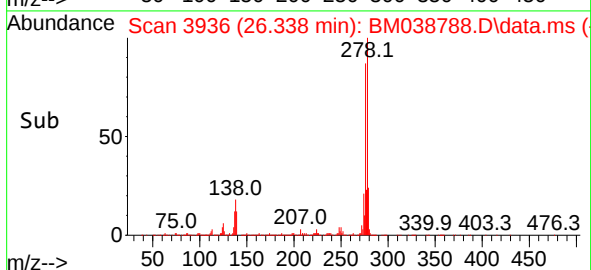
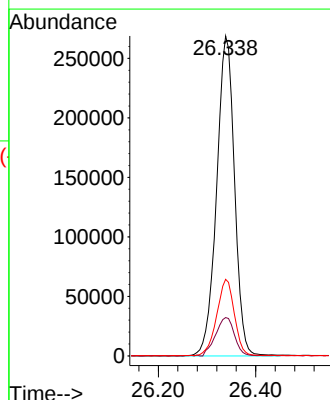
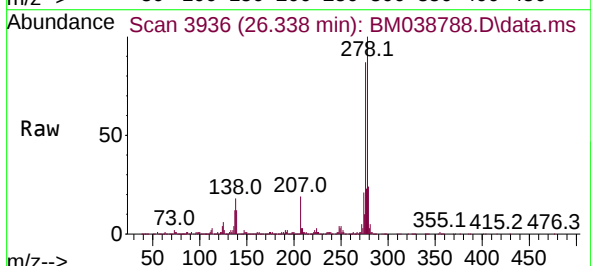
Tgt Ion:278 Resp: 685096

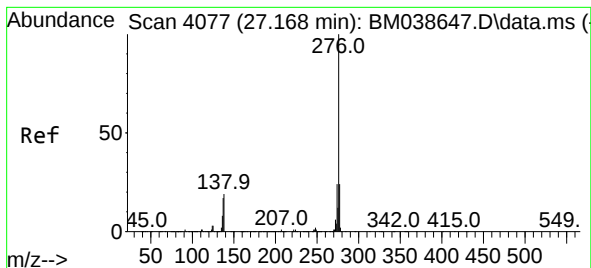
Ion Ratio Lower Upper

278 100

139 12.0 10.5 15.7

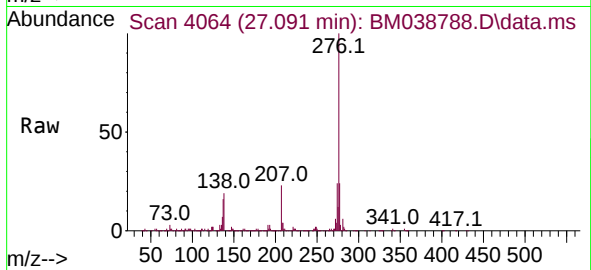
279 23.9 18.7 28.1





#92  
 Benzo(g,h,i)perylene  
 Concen: 46.715 ng  
 RT: 27.091 min Scan# 4064  
 Delta R.T. -0.006 min  
 Lab File: BM038788.D  
 Acq: 20 Feb 2023 15:42

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150932BS



Tgt Ion: 276 Resp: 625718  
 Ion Ratio Lower Upper  
 276 100  
 277 23.8 19.1 28.7  
 138 18.7 15.3 22.9

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 02/21/2023  
 Supervised By :Jagrut Upadhyay 02/21/2023

