

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM020123\  
 Data File : BM038653.D  
 Acq On : 01 Feb 2023 22:07  
 Operator : CG/JU  
 Sample : PB150362BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150362BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/02/2023  
 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 02 03:55:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 02 03:31:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.934  | 152  | 67726    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.745 | 136  | 234204   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.574 | 164  | 164741   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.315 | 188  | 315574   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.492 | 240  | 250299   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.886 | 264  | 297376   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 301825   | 87.300  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.110  | 99   | 333087   | 84.472  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.116  | 82   | 339681   | 82.381  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 181303   | 80.968  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.198 | 172  | 1088097  | 84.087  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.933 | 244  | 1236487  | 87.175  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.352  | 88   | 45597    | 29.916  | ng    | 95       |
| 3) Pyridine                   | 3.763  | 79   | 111221   | 30.687  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.681  | 42   | 68580    | 41.914  | ng    | 93       |
| 6) Aniline                    | 7.269  | 93   | 147092   | 29.904  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.498  | 128  | 162200   | 42.995  | ng    | 99       |
| 9) Benzaldehyde               | 7.081  | 77   | 37666    | 21.672  | ng    | 96       |
| 10) Phenol                    | 7.134  | 94   | 166985   | 41.918  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.363  | 93   | 134041   | 41.549  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.822  | 146  | 210994   | 43.774  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.975  | 146  | 214678   | 44.131  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.287  | 146  | 205560   | 44.109  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.187  | 79   | 120285m  | 41.445  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 125841   | 41.182  | ng    | 96       |
| 17) 2-Methylphenol            | 8.392  | 107  | 118006   | 38.620  | ng    | 97       |
| 18) Hexachloroethane          | 9.016  | 117  | 72466    | 46.127  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.757  | 70   | 97980    | 41.223  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.722  | 107  | 155994   | 38.291  | ng    | 99       |
| 22) Acetophenone              | 8.775  | 105  | 219039   | 39.217  | ng    | 99       |
| 24) Nitrobenzene              | 9.157  | 77   | 161327   | 38.548  | ng    | 97       |
| 25) Isophorone                | 9.681  | 82   | 270836   | 37.496  | ng    | 100      |
| 26) 2-Nitrophenol             | 9.863  | 139  | 94888    | 40.745  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.928  | 122  | 132219   | 39.350  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.163 | 93   | 174528   | 39.537  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.398 | 162  | 198000   | 41.478  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.610 | 180  | 216562   | 42.648  | ng    | 99       |
| 31) Naphthalene               | 10.798 | 128  | 480784   | 40.004  | ng    | 98       |
| 32) Benzoic acid              | 10.081 | 122  | 97963    | 36.017  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.916 | 127  | 118517   | 22.501  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.069 | 225  | 109953   | 43.225  | ng    | 96       |
| 35) Caprolactam               | 11.722 | 113  | 34306m   | 33.369  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.039 | 107  | 134475   | 38.097  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.404 | 142  | 370525   | 38.151  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.622 | 142  | 350650   | 38.316  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 180229   | 42.037  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.739 | 237  | 267649   | 100.601 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.016 | 196  | 139380   | 41.380  | ng    | 99       |

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Manual Integrations  
 APPROVED

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 Supervised By : Jagrut Upadhyay 02/06/2023

Quant Time: Feb 02 03:55:18 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 02 03:31:45 2023  
 Response via : Initial Calibration

| Compound                          | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol         | 13.086 | 196  | 146642   | 36.996 | ng    | 95       |
| 46) 1,1'-Biphenyl                 | 13.410 | 154  | 536333   | 41.099 | ng    | 99       |
| 47) 2-Chloronaphthalene           | 13.457 | 162  | 431404   | 42.011 | ng    | 99       |
| 48) 2-Nitroaniline                | 13.669 | 65   | 81578    | 35.780 | ng    | 96       |
| 49) Acenaphthylene                | 14.298 | 152  | 632513   | 39.107 | ng    | 98       |
| 50) Dimethylphthalate             | 14.039 | 163  | 493918   | 36.740 | ng    | 100      |
| 51) 2,6-Dinitrotoluene            | 14.169 | 165  | 104455   | 38.228 | ng    | 97       |
| 52) Acenaphthene                  | 14.639 | 154  | 376807   | 39.017 | ng    | 100      |
| 53) 3-Nitroaniline                | 14.498 | 138  | 72187    | 26.015 | ng    | 97       |
| 54) 2,4-Dinitrophenol             | 14.704 | 184  | 139975   | 78.703 | ng    | 97       |
| 55) Dibenzofuran                  | 14.974 | 168  | 638685   | 38.405 | ng    | 100      |
| 56) 4-Nitrophenol                 | 14.804 | 139  | 164490   | 75.060 | ng    | 97       |
| 57) 2,4-Dinitrotoluene            | 14.951 | 165  | 144412   | 36.232 | ng    | 93       |
| 58) Fluorene                      | 15.621 | 166  | 509861   | 38.747 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol     | 15.198 | 232  | 106662   | 38.664 | ng    | 100      |
| 60) Diethylphthalate              | 15.392 | 149  | 475991   | 37.374 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether    | 15.610 | 204  | 217475   | 38.957 | ng    | 99       |
| 62) 4-Nitroaniline                | 15.657 | 138  | 92482    | 32.140 | ng    | 97       |
| 63) Azobenzene                    | 15.904 | 77   | 367537   | 37.509 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphthalate | 15.710 | 198  | 74462    | 37.482 | ng    | 99       |
| 66) n-Nitrosodiphenylamine        | 15.833 | 169  | 418274   | 40.593 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether     | 16.504 | 248  | 128425   | 42.147 | ng    | 96       |
| 68) Hexachlorobenzene             | 16.621 | 284  | 166867   | 44.809 | ng    | 99       |
| 69) Atrazine                      | 16.780 | 200  | 128978   | 43.187 | ng    | 99       |
| 70) Pentachlorophenol             | 16.968 | 266  | 198278   | 73.040 | ng    | 100      |
| 71) Phenanthrene                  | 17.363 | 178  | 760825   | 40.604 | ng    | 99       |
| 72) Anthracene                    | 17.451 | 178  | 767135   | 40.019 | ng    | 99       |
| 73) Carbazole                     | 17.727 | 167  | 710146   | 39.722 | ng    | 100      |
| 74) Di-n-butylphthalate           | 18.274 | 149  | 803156   | 39.764 | ng    | 100      |
| 75) Fluoranthene                  | 19.368 | 202  | 752582   | 38.253 | ng    | 99       |
| 77) Benzidine                     | 19.562 | 184  | 282985   | 38.304 | ng    | 100      |
| 78) Pyrene                        | 19.733 | 202  | 791889   | 41.093 | ng    | 99       |
| 80) Butylbenzylphthalate          | 20.621 | 149  | 355252   | 37.475 | ng    | 99       |
| 81) Benzo(a)anthracene            | 21.474 | 228  | 690239   | 38.985 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine        | 21.409 | 252  | 254370   | 41.760 | ng    | 98       |
| 83) Chrysene                      | 21.527 | 228  | 647961   | 37.983 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate    | 21.392 | 149  | 517197   | 37.390 | ng    | 98       |
| 85) Di-n-octyl phthalate          | 22.309 | 149  | 892014   | 39.325 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene        | 26.391 | 276  | 1090572  | 46.559 | ng    | 99       |
| 88) Benzo(b)fluoranthene          | 23.156 | 252  | 808634   | 45.399 | ng    | 99       |
| 89) Benzo(k)fluoranthene          | 23.209 | 252  | 814330   | 45.022 | ng    | 100      |
| 90) Benzo(a)pyrene                | 23.786 | 252  | 732629   | 41.593 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene        | 26.403 | 278  | 948276   | 48.120 | ng    | 99       |
| 92) Benzo(g,h,i)perylene          | 27.162 | 276  | 947058   | 47.542 | ng    | 99       |

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

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Sample : PB150362BS  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

## Instrument :

BNA\_M

## ClientSampleId :

PB150362BS

## Manual Integrations

## APPROVED

Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

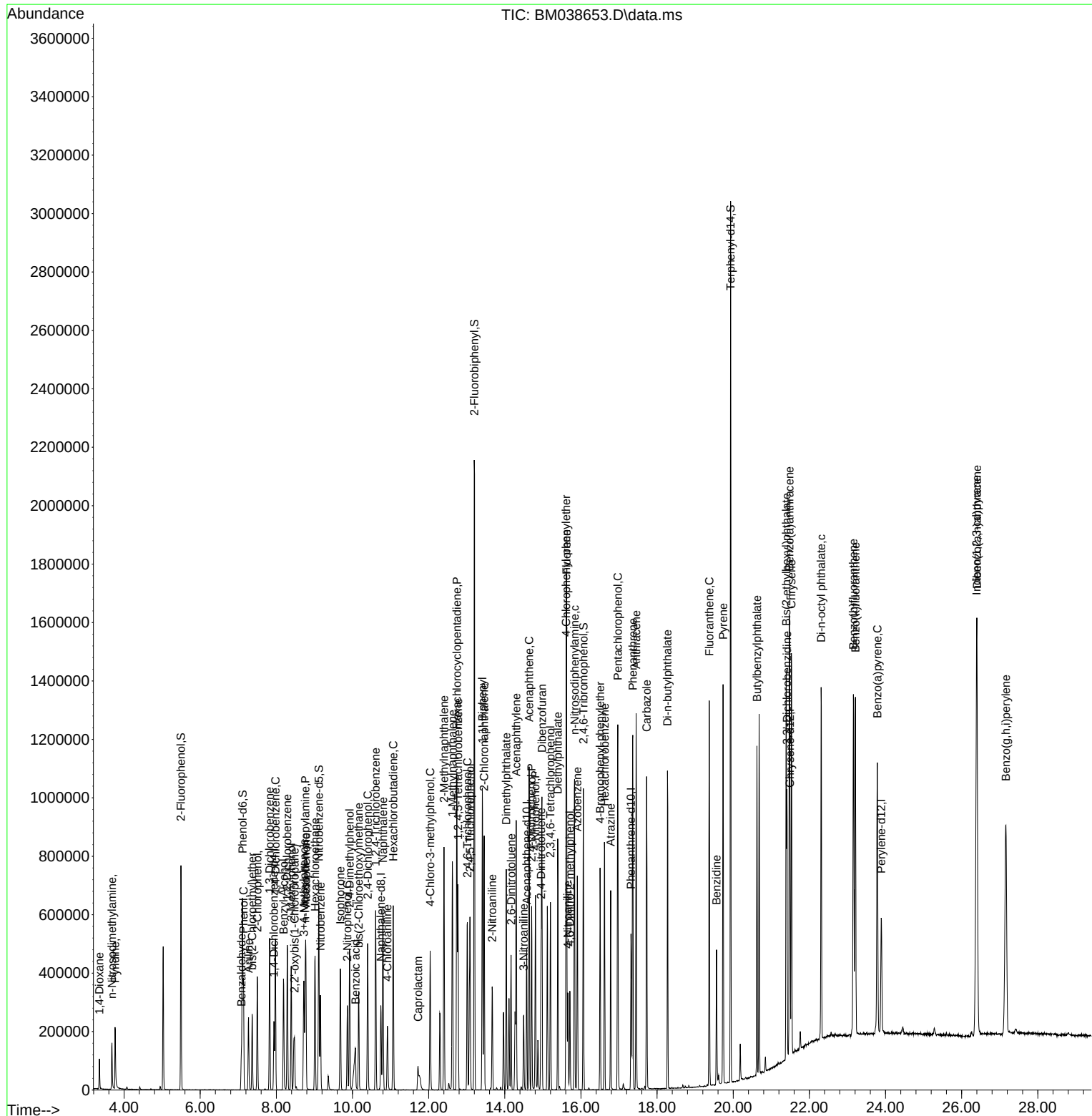
Quant Time: Feb 02 03:55:18 2023

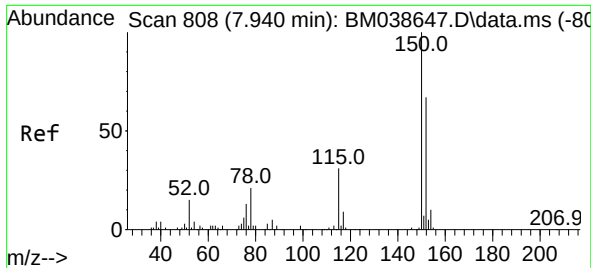
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM020123.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Feb 02 03:31:45 2023

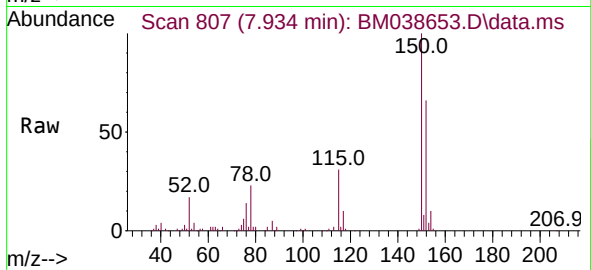
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.934 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

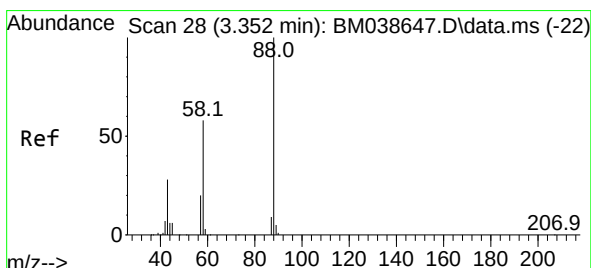
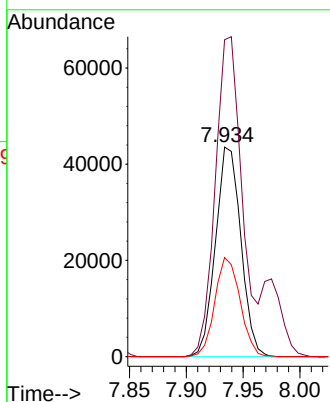
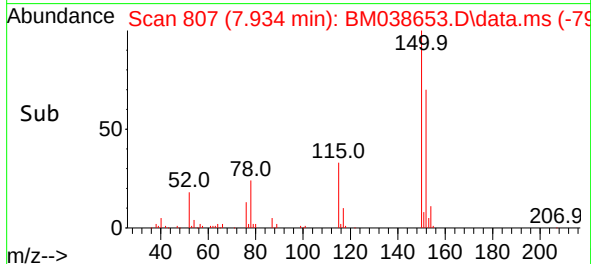
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion: 152 Resp: 67726  
Ion Ratio Lower Upper  
152 100  
150 151.3 119.5 179.3  
115 47.3 37.6 56.4

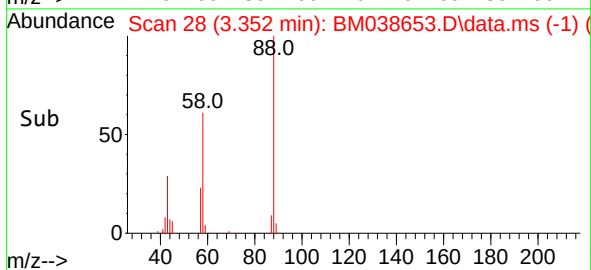
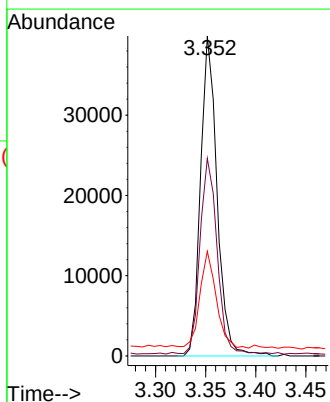
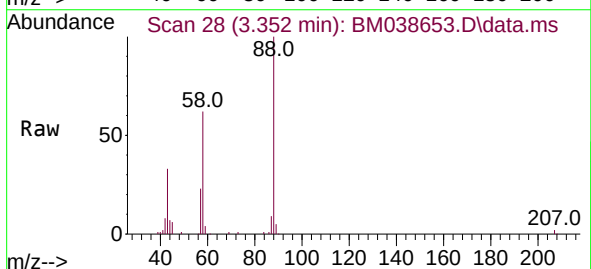
Manual Integrations  
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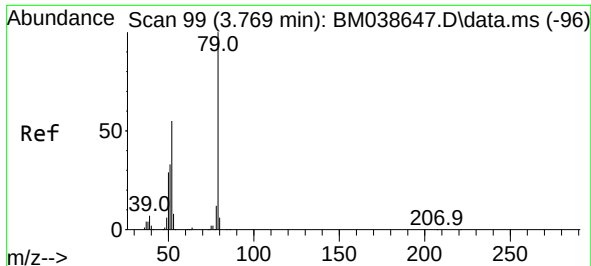
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#2  
1,4-Dioxane  
Concen: 29.916 ng  
RT: 3.352 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

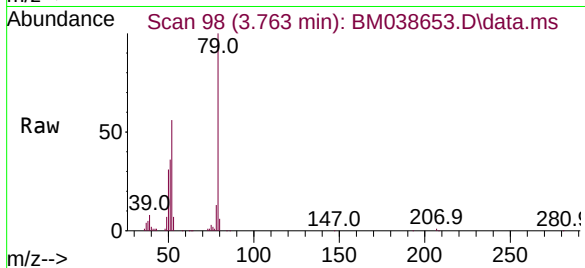
Tgt Ion: 88 Resp: 45597  
Ion Ratio Lower Upper  
88 100  
58 62.8 47.0 70.4  
43 30.2 22.6 33.8





#3  
Pyridine  
Concen: 30.687 ng  
RT: 3.763 min Scan# 98  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

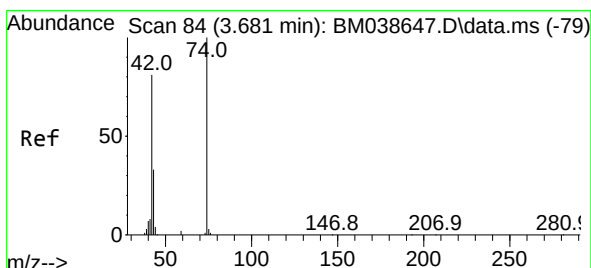
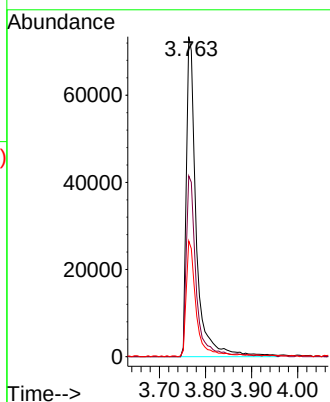
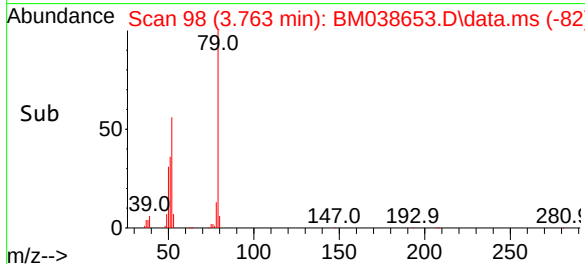
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



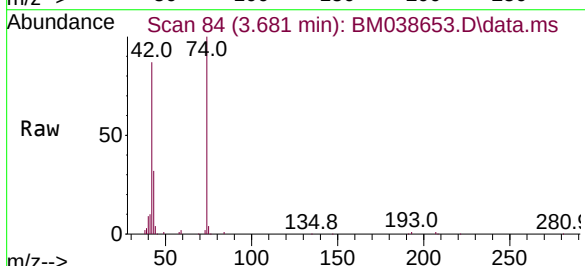
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Ion Ratio Lower Upper  
79 100  
52 56.5 43.7 65.5  
51 36.1 26.6 40.0

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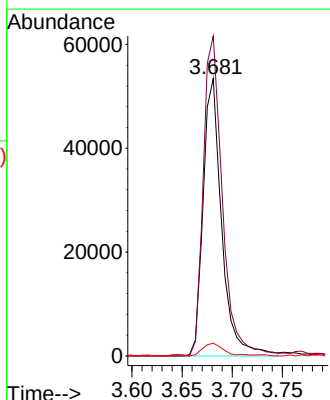
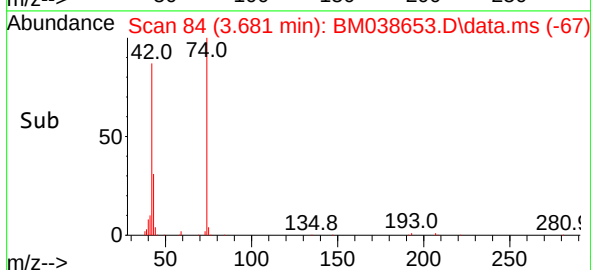
Reviewed By :Christian Giraldo 02/02/2023  
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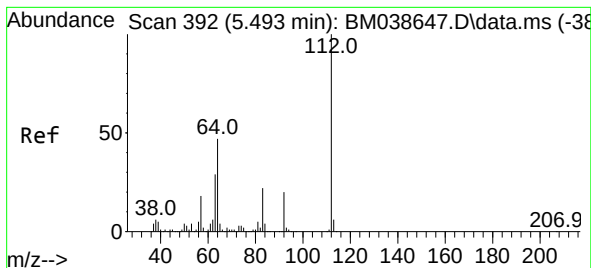


#4  
n-Nitrosodimethylamine  
Concen: 41.914 ng  
RT: 3.681 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



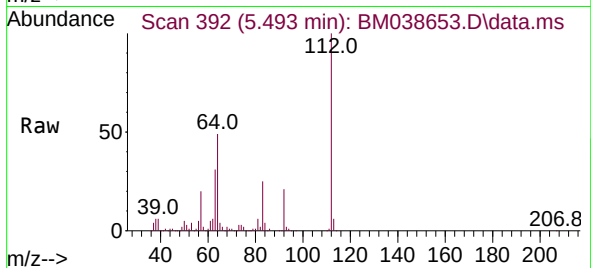
Tgt Ion: 42 Resp: 68580  
Ion Ratio Lower Upper  
42 100  
74 115.4 98.4 147.6  
44 4.6 3.5 5.3





#5  
2-Fluorophenol  
Concen: 87.300 ng  
RT: 5.493 min Scan# 392  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

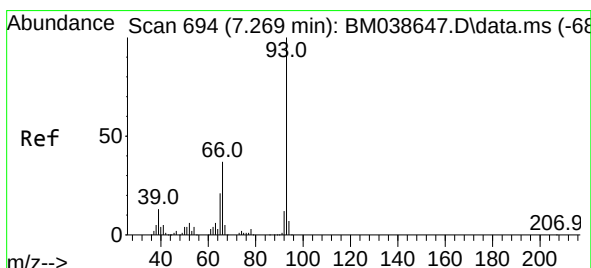
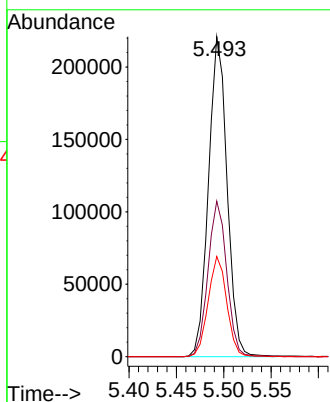
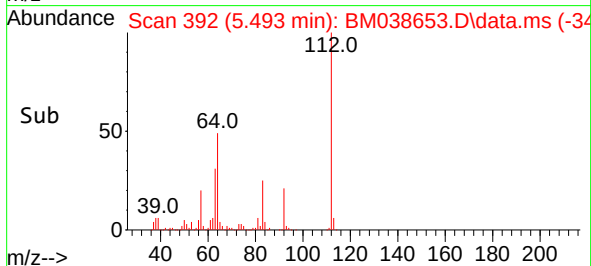
Instrument :  
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Tgt Ion: 112 Resp: 301825  
Ion Ratio Lower Upper  
112 100  
64 48.6 37.9 56.9  
63 31.3 23.3 34.9

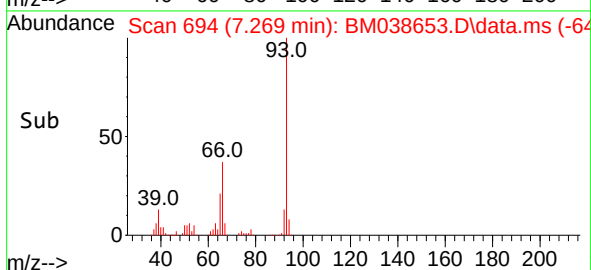
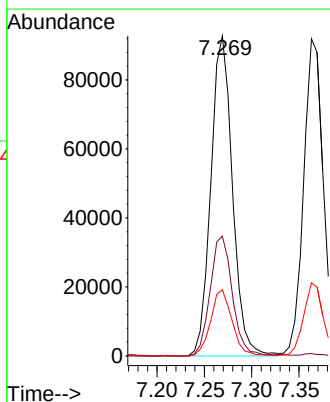
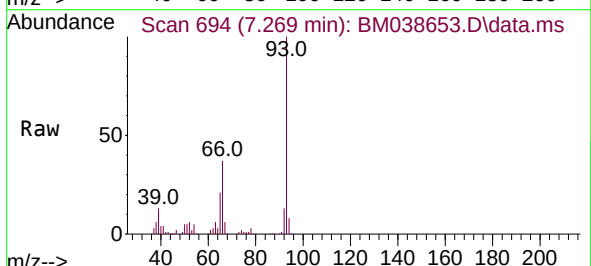
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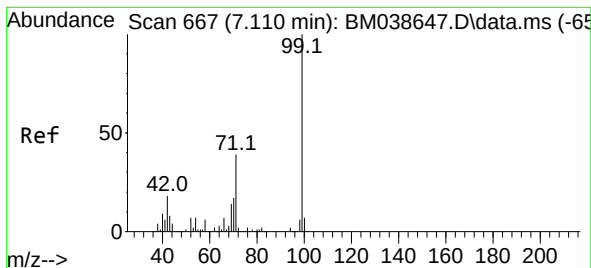
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#6  
Aniline  
Concen: 29.904 ng  
RT: 7.269 min Scan# 694  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Tgt Ion: 93 Resp: 147092  
Ion Ratio Lower Upper  
93 100  
66 37.5 29.8 44.8  
65 20.7 16.9 25.3





#7

Phenol-d6

Concen: 84.472 ng

RT: 7.110 min Scan# 60

Delta R.T. 0.000 min

Lab File: BM038653.D

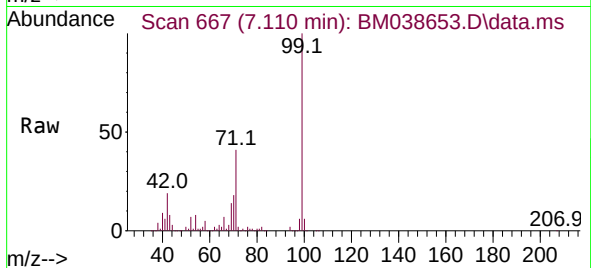
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

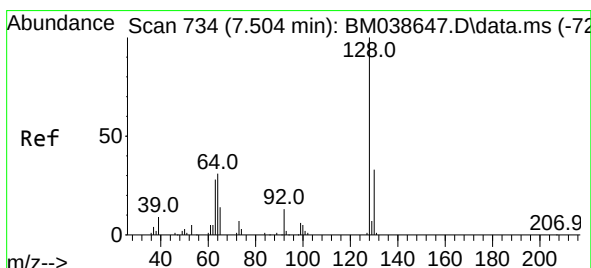
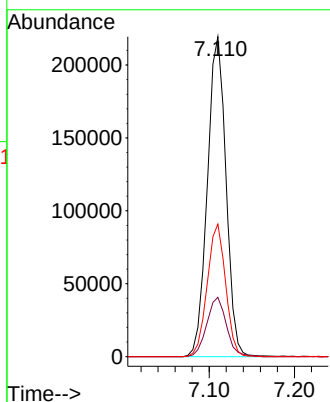
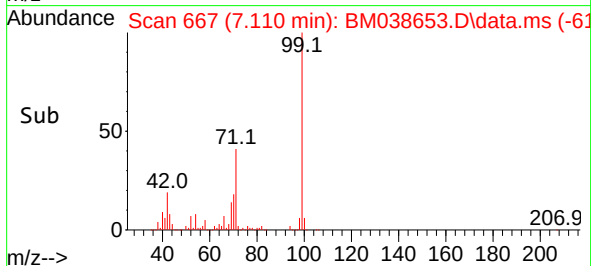


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 33308 |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 18.5  | 14.6  | 22.0  |
| 71       | 41.4  | 31.0  | 46.4  |

Manual Integrations

APPROVED

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#8

2-Chlorophenol

Concen: 42.995 ng

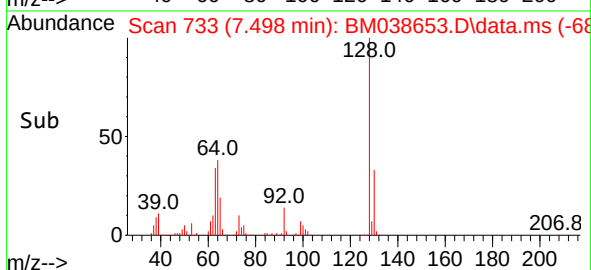
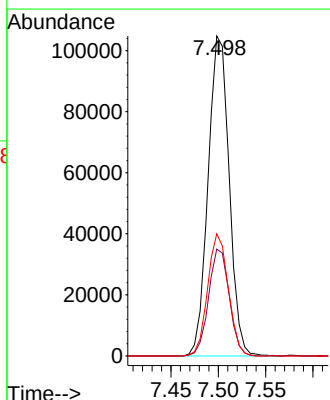
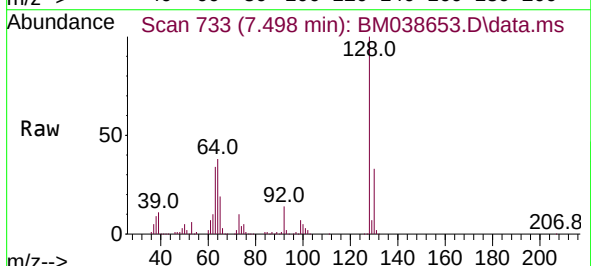
RT: 7.498 min Scan# 733

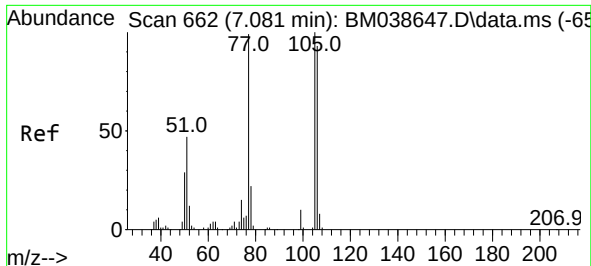
Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 162200 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 33.4  | 13.2  | 53.2   |
| 64       | 38.2  | 17.3  | 57.3   |





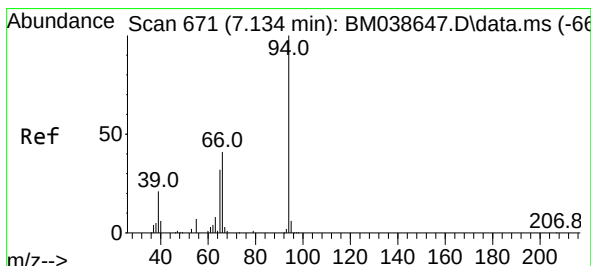
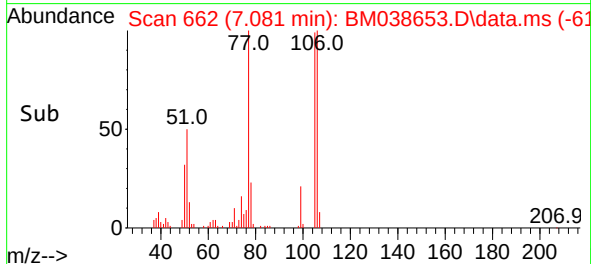
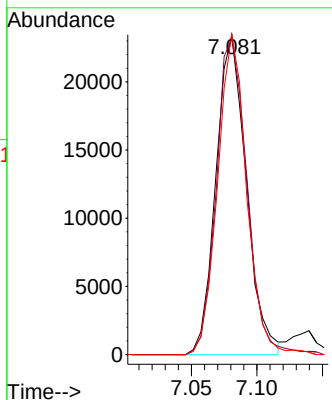
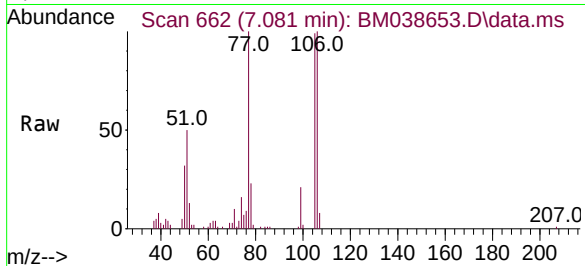
#9  
Benzaldehyde  
Concen: 21.672 ng  
RT: 7.081 min Scan# 662  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS

Tgt Ion: 77 Resp: 3766  
Ion Ratio Lower Upper  
77 100  
105 98.7 80.8 120.8  
106 100.1 73.8 113.8

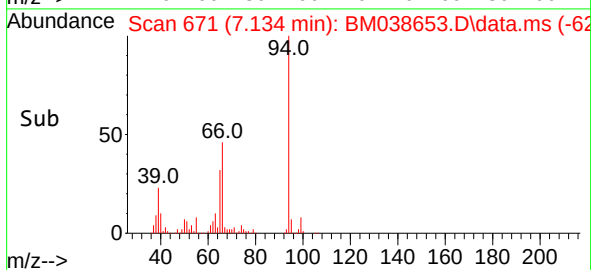
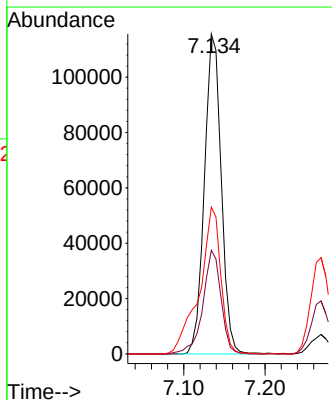
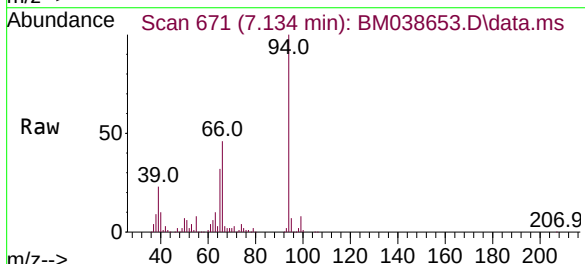
Manual Integrations  
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Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

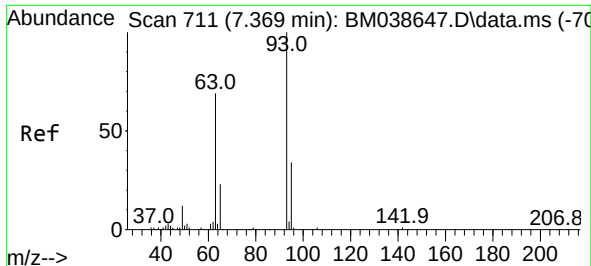


#10  
Phenol  
Concen: 41.918 ng  
RT: 7.134 min Scan# 671  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Tgt Ion: 94 Resp: 166985  
Ion Ratio Lower Upper  
94 100  
65 32.4 12.3 52.3  
66 45.9 24.2 64.2







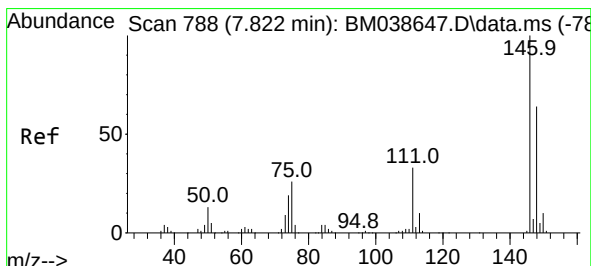
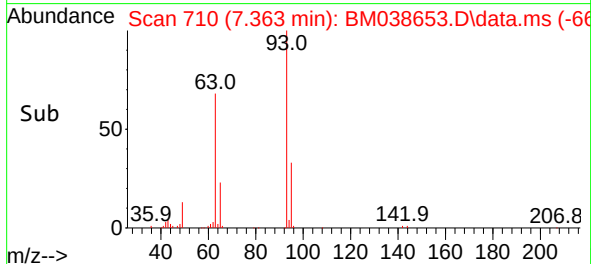
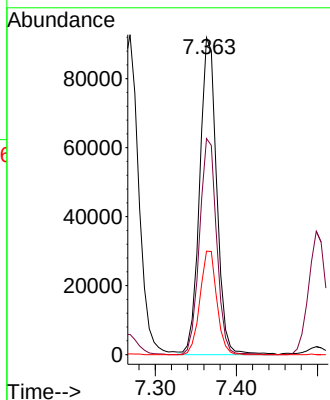
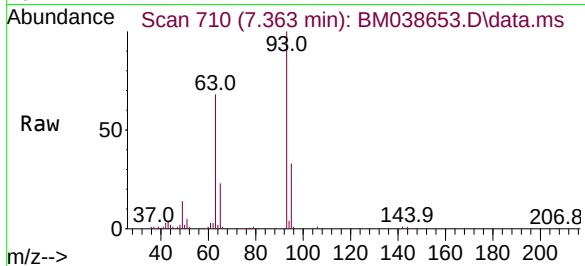
#11  
bis(2-Chloroethyl)ether  
Concen: 41.549 ng  
RT: 7.363 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS

Tgt Ion: 93 Resp: 134041  
Ion Ratio Lower Upper  
93 100  
63 68.2 48.5 88.5  
95 32.6 13.8 53.8

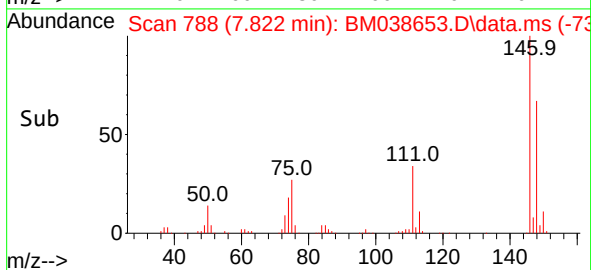
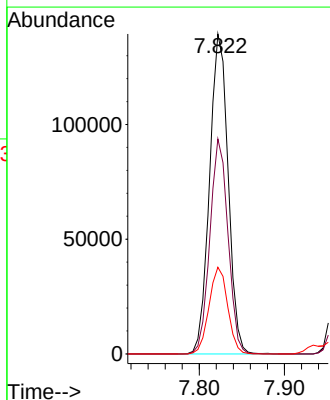
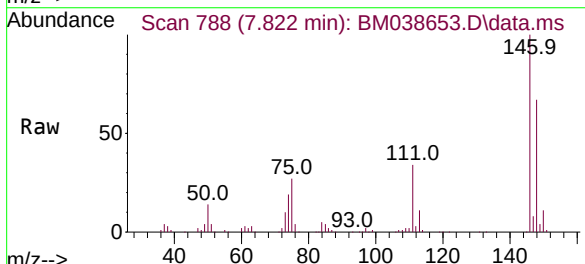
Manual Integrations  
APPROVED

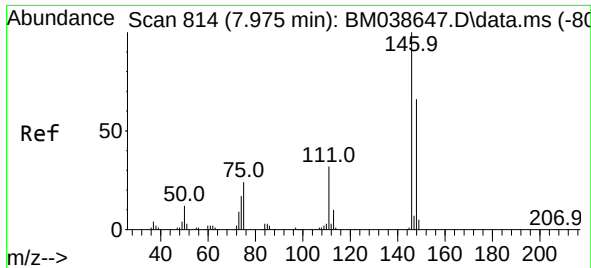
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#12  
1,3-Dichlorobenzene  
Concen: 43.774 ng  
RT: 7.822 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

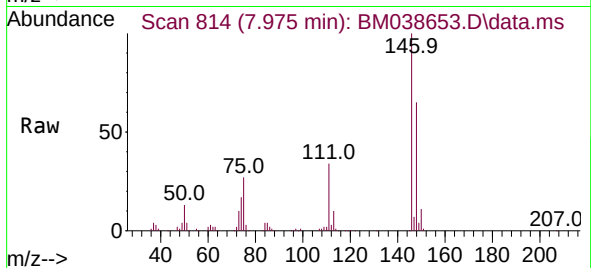
Tgt Ion:146 Resp: 210994  
Ion Ratio Lower Upper  
146 100  
148 67.2 51.5 77.3  
75 27.1 21.1 31.7





#13  
1,4-Dichlorobenzene  
Concen: 44.131 ng  
RT: 7.975 min Scan# 814  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

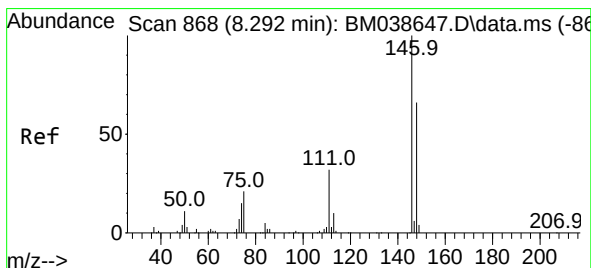
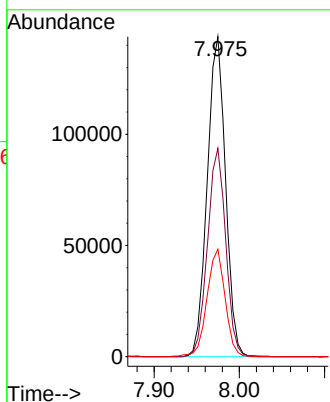
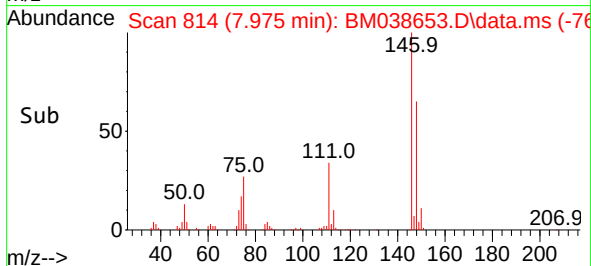
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



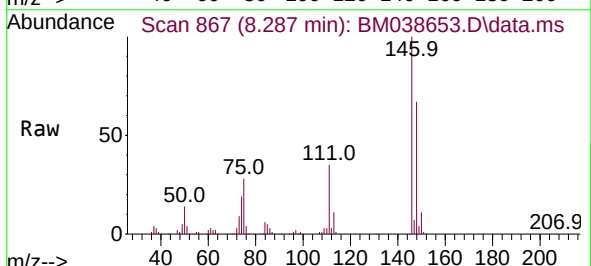
Tgt Ion:146 Resp: 214678  
Ion Ratio Lower Upper  
146 100  
148 65.1 53.1 79.7  
111 33.6 25.9 38.9

Manual Integrations  
APPROVED

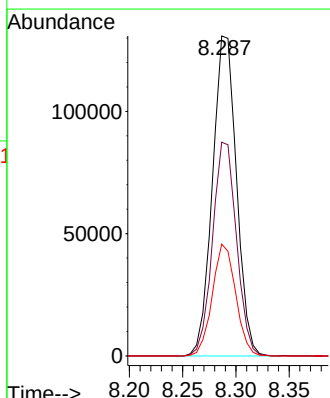
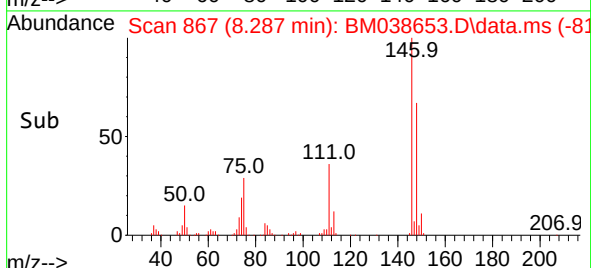
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

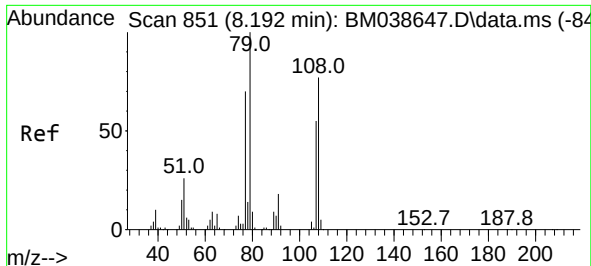


#14  
1,2-Dichlorobenzene  
Concen: 44.109 ng  
RT: 8.287 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



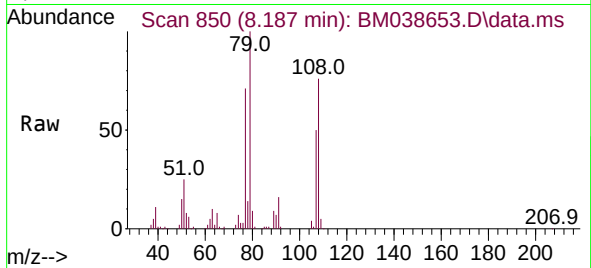
Tgt Ion:146 Resp: 205560  
Ion Ratio Lower Upper  
146 100  
148 66.8 52.9 79.3  
111 34.9 26.2 39.2





#15  
Benzyl Alcohol  
Concen: 41.445 ng m  
RT: 8.187 min Scan# 851  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

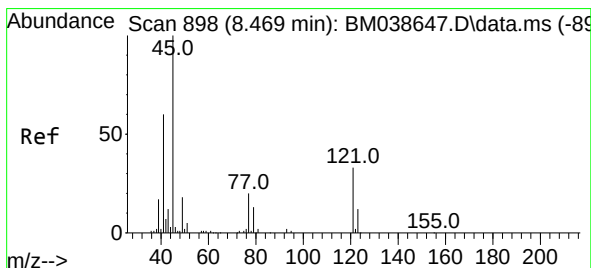
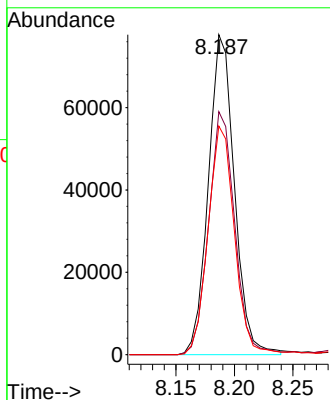
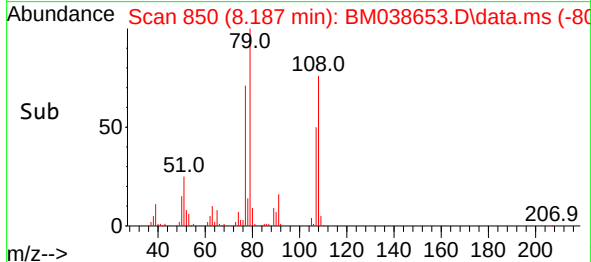
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion: 79 Resp: 120285  
Ion Ratio Lower Upper  
79 100  
108 75.9 61.9 92.9  
77 71.4 55.8 83.8

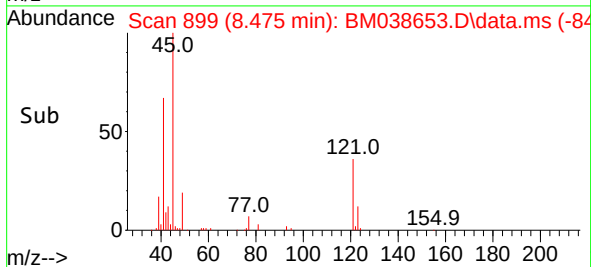
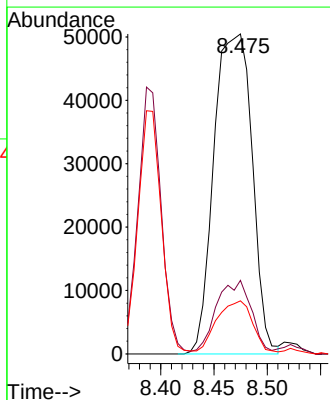
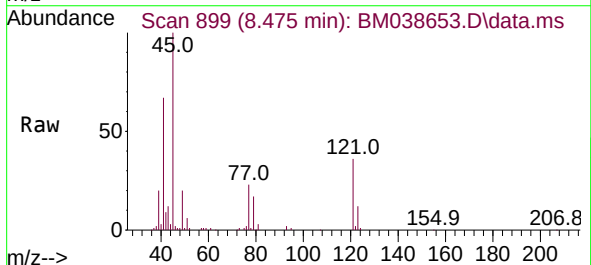
Manual Integrations  
APPROVED

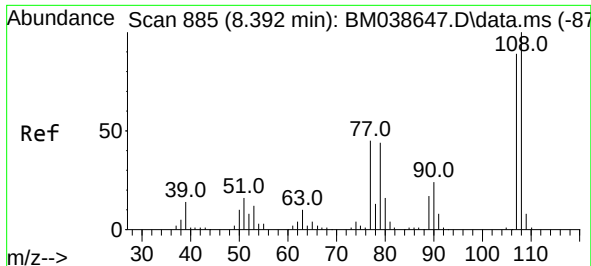
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.182 ng  
RT: 8.475 min Scan# 899  
Delta R.T. 0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

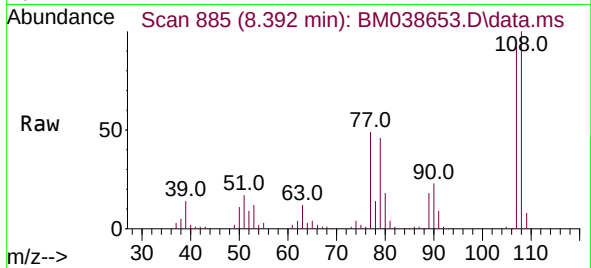
Tgt Ion: 45 Resp: 125841  
Ion Ratio Lower Upper  
45 100  
77 23.0 1.1 41.1  
79 16.6 0.0 34.6





#17  
2-Methylphenol  
Concen: 38.620 ng  
RT: 8.392 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

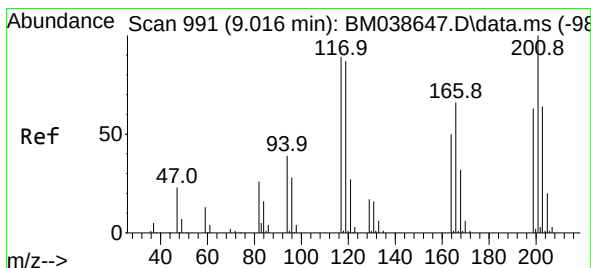
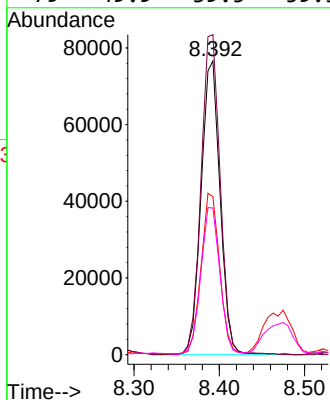
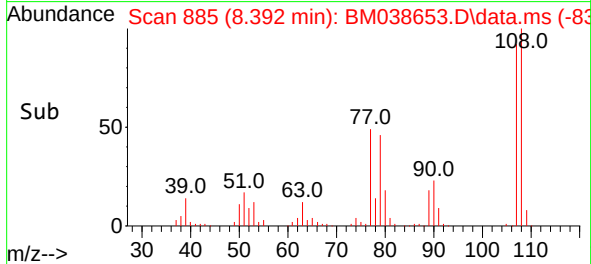
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:107 Resp: 118006  
Ion Ratio Lower Upper  
107 100  
108 108.9 89.6 134.4  
77 53.7 40.7 61.1  
79 49.9 39.5 59.3

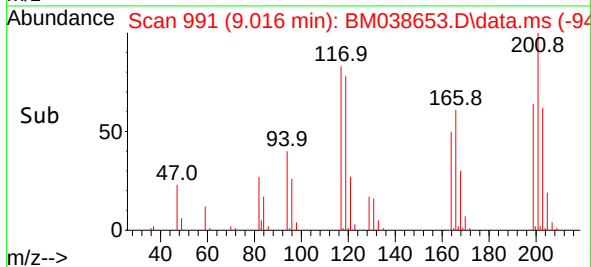
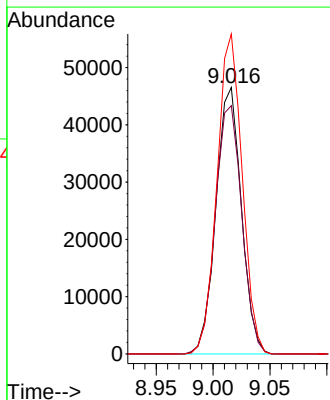
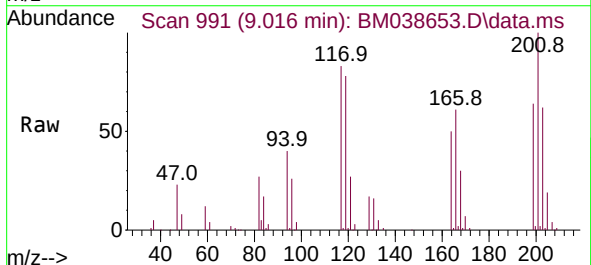
Manual Integrations  
APPROVED

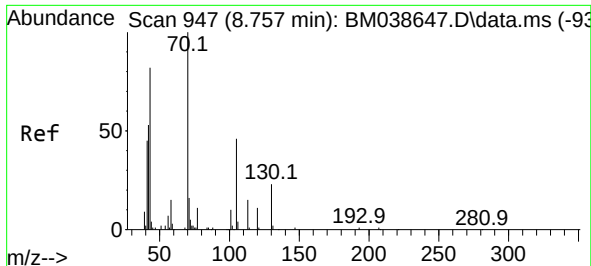
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#18  
Hexachloroethane  
Concen: 46.127 ng  
RT: 9.016 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

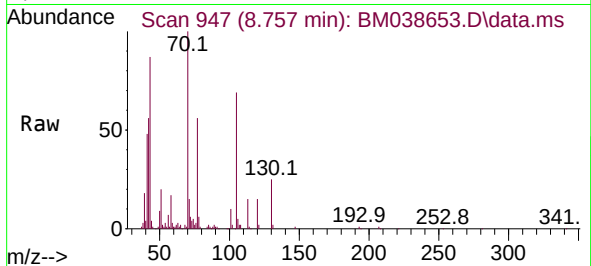
Tgt Ion:117 Resp: 72466  
Ion Ratio Lower Upper  
117 100  
119 93.2 78.6 117.8  
201 122.3 90.2 135.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 41.223 ng  
RT: 8.757 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

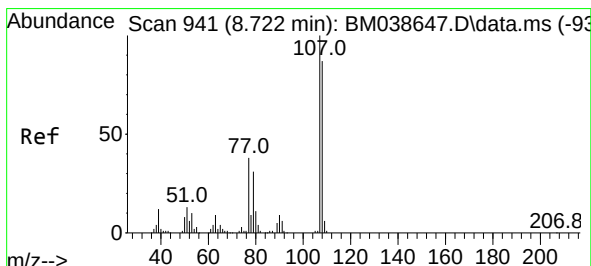
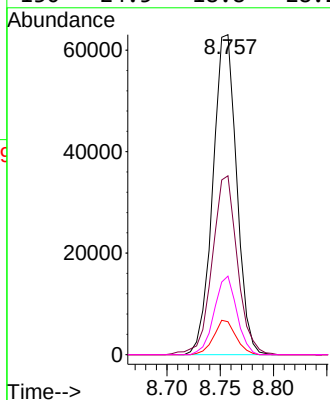
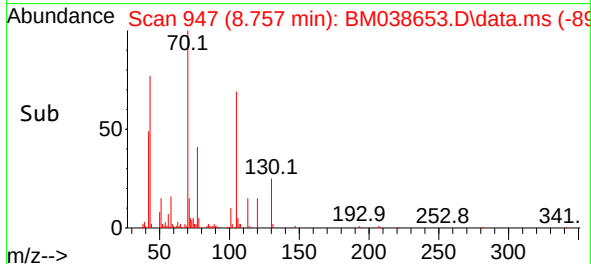
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



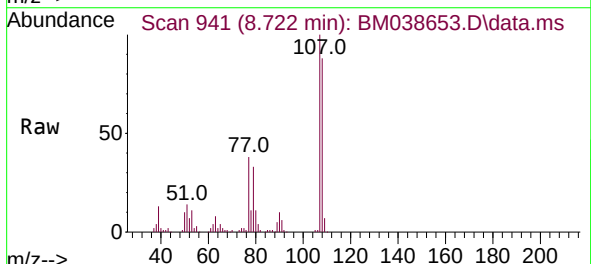
Tgt Ion: 70 Resp: 97986  
Ion Ratio Lower Upper  
70 100  
42 55.9 43.4 65.2  
101 10.3 8.2 12.2  
130 24.5 18.8 28.2

Manual Integrations  
APPROVED

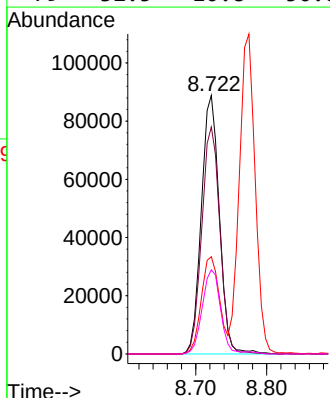
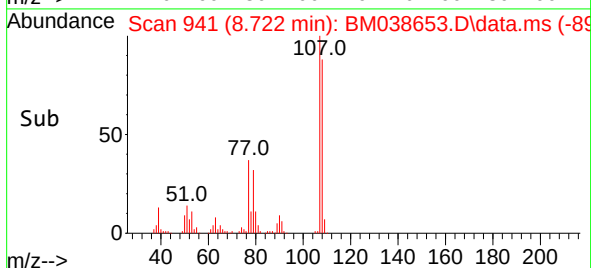
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

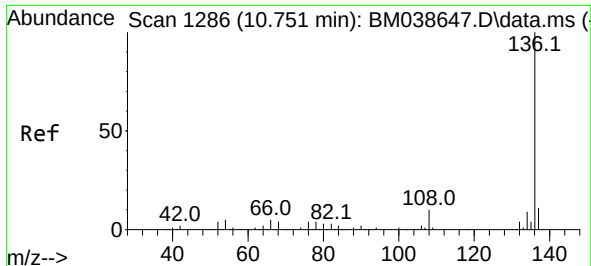


#20  
3+4-Methylphenols  
Concen: 38.291 ng  
RT: 8.722 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



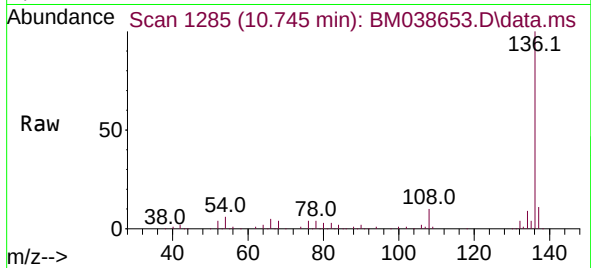
Tgt Ion:107 Resp: 155994  
Ion Ratio Lower Upper  
107 100  
108 87.8 67.2 107.2  
77 37.6 17.5 57.5  
79 32.5 10.8 50.8





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.745 min Scan# 1285  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

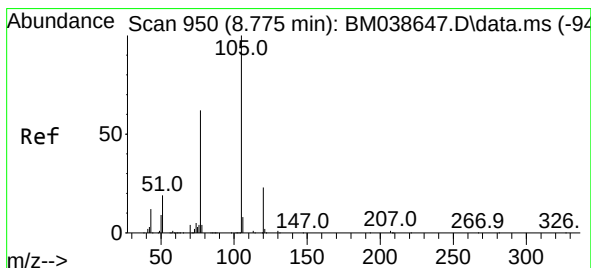
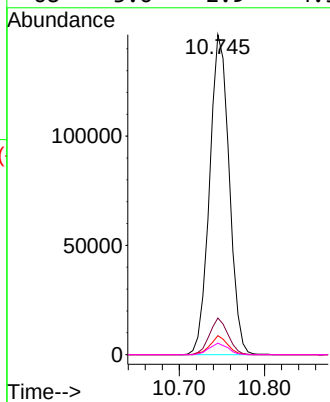
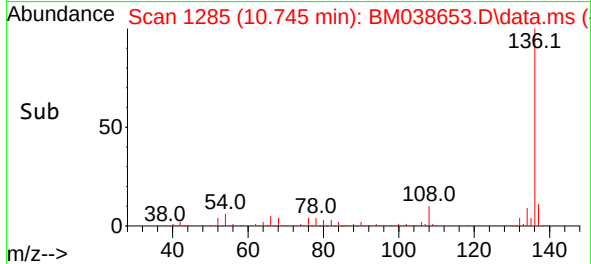
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 234204 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.4  | 8.8   | 13.2   |
| 54        | 5.9   | 4.2   | 6.4    |
| 68        | 3.6   | 2.9   | 4.3    |

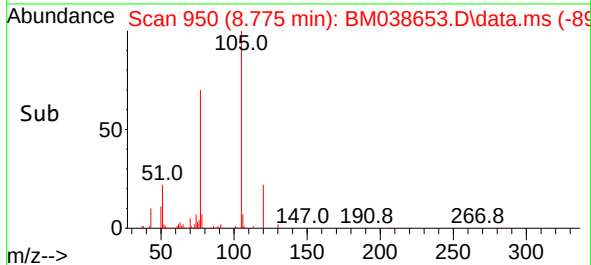
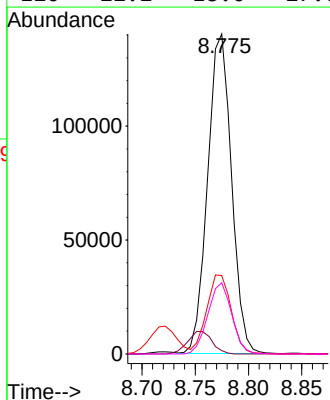
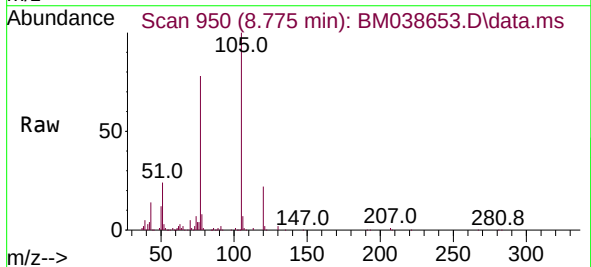
Manual Integrations  
APPROVED

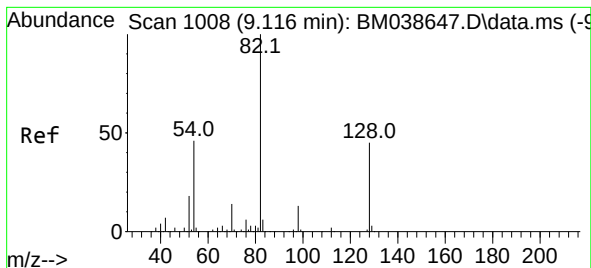
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#22  
Acetophenone  
Concen: 39.217 ng  
RT: 8.775 min Scan# 950  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 219039 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 1.0   | 0.9   | 1.3    |
| 51        | 24.5  | 19.3  | 28.9   |
| 120       | 22.2  | 18.0  | 27.0   |





#23

Nitrobenzene-d5

Concen: 82.381 ng

RT: 9.116 min Scan# 1008

Delta R.T. 0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

Tgt Ion: 82 Resp: 33968

Ion Ratio Lower Upper

82 100

128 45.0 36.0 54.0

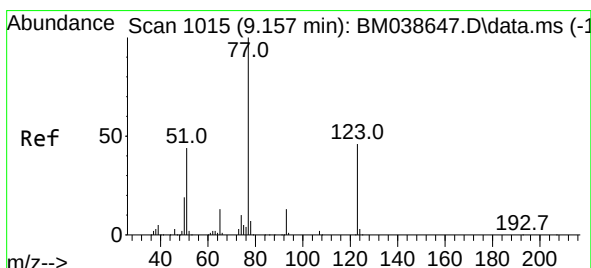
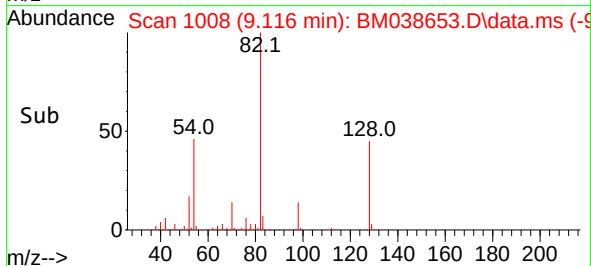
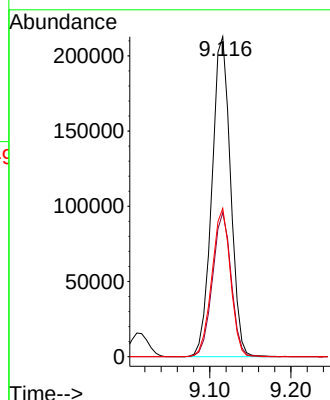
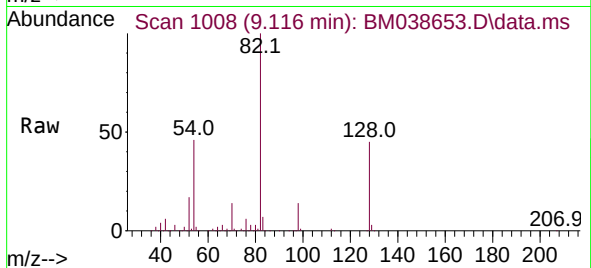
54 46.3 36.8 55.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#24

Nitrobenzene

Concen: 38.548 ng

RT: 9.157 min Scan# 1015

Delta R.T. 0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

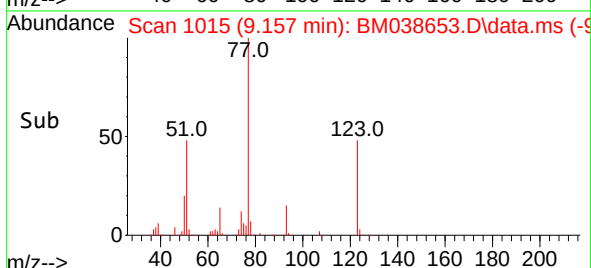
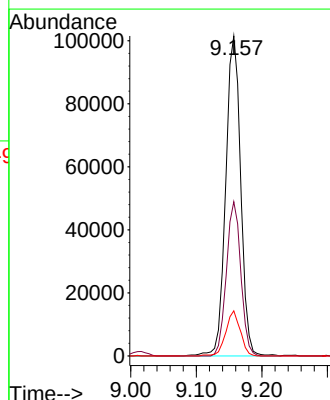
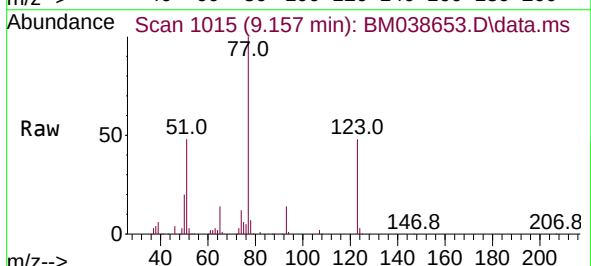
Tgt Ion: 77 Resp: 161327

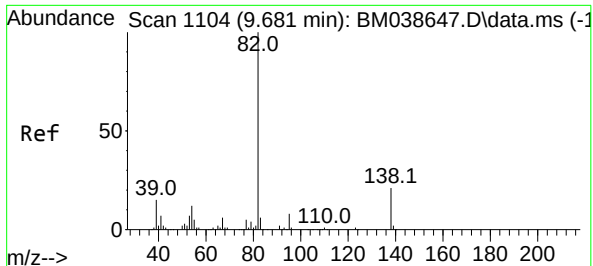
Ion Ratio Lower Upper

77 100

123 48.2 36.5 54.7

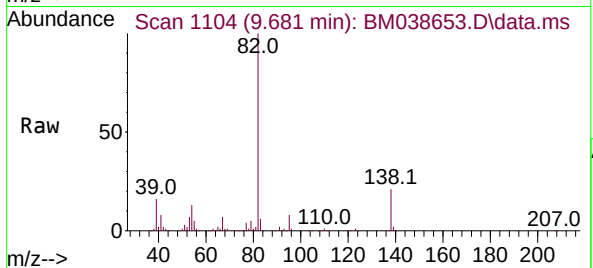
65 14.1 10.7 16.1





#25  
Isophorone  
Concen: 37.496 ng  
RT: 9.681 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

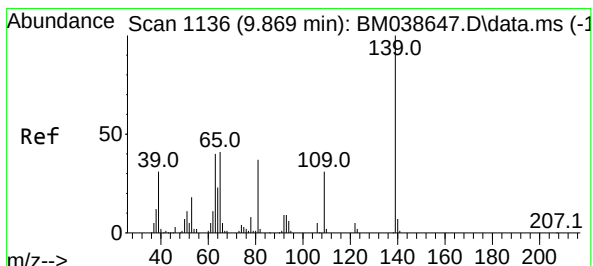
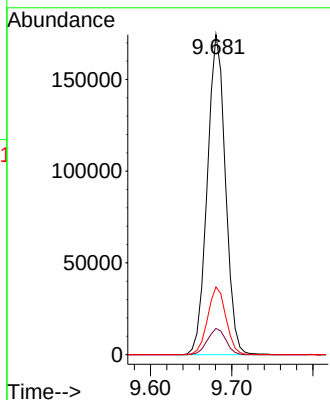
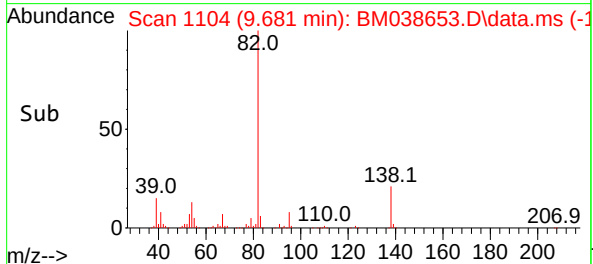
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



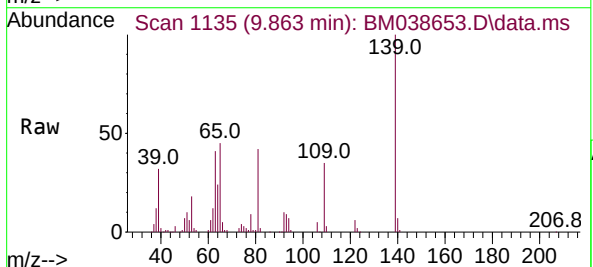
Tgt Ion: 82 Resp: 270836  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.4 9.6  
138 21.1 17.0 25.6

Manual Integrations  
APPROVED

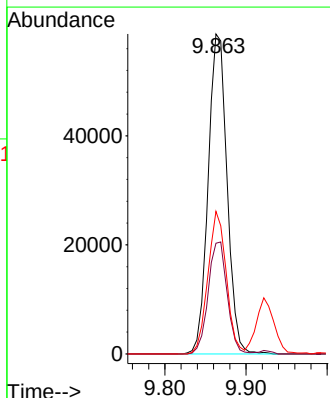
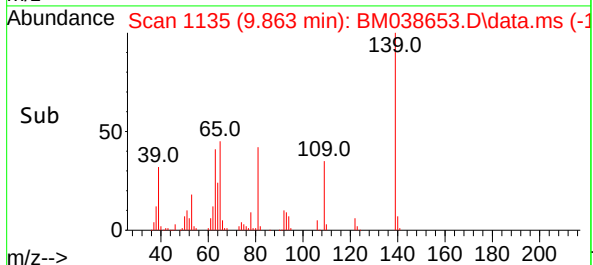
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



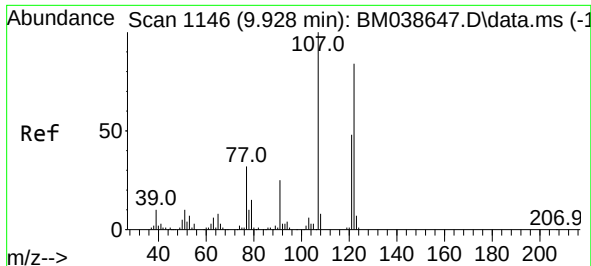
#26  
2-Nitrophenol  
Concen: 40.745 ng  
RT: 9.863 min Scan# 1135  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:139 Resp: 94888  
Ion Ratio Lower Upper  
139 100  
109 34.6 24.5 36.7  
65 44.5 32.6 49.0







#27

2,4-Dimethylphenol

Concen: 39.350 ng

RT: 9.928 min Scan# 1146

Delta R.T. 0.000 min

Lab File: BM038653.D

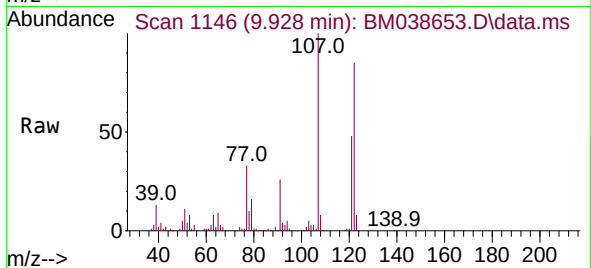
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS



Tgt Ion:122 Resp: 132219

Ion Ratio Lower Upper

122 100

107 117.3 94.9 142.3

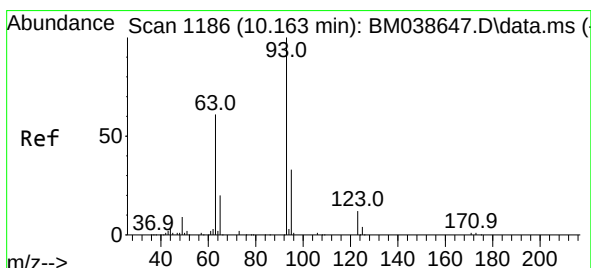
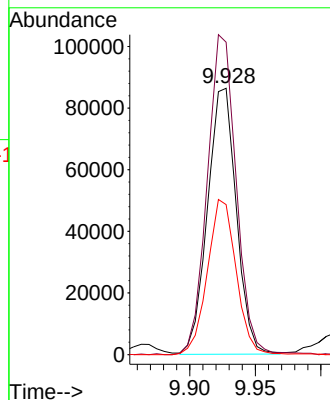
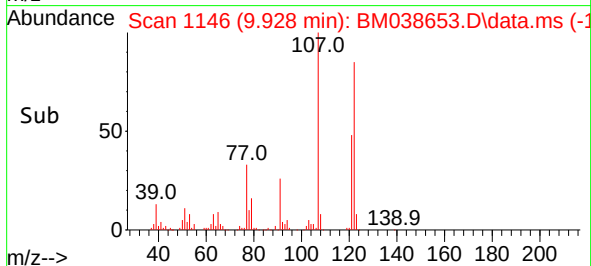
121 56.3 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#28

bis(2-Chloroethoxy)methane

Concen: 39.537 ng

RT: 10.163 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

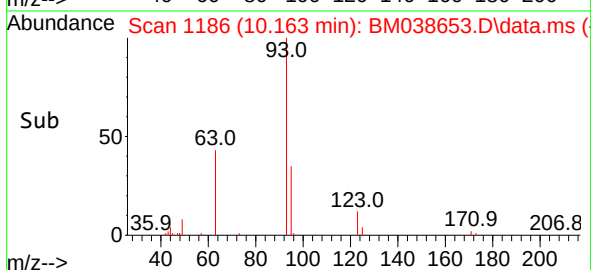
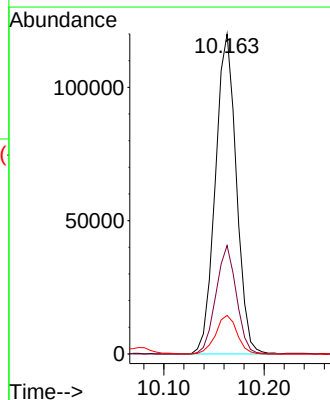
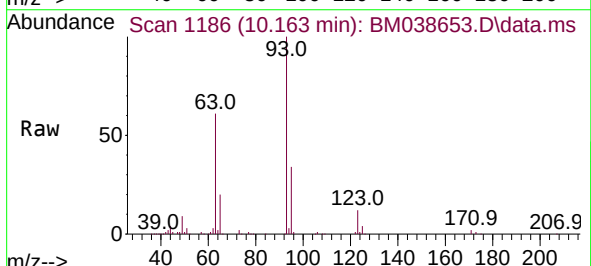
Tgt Ion: 93 Resp: 174528

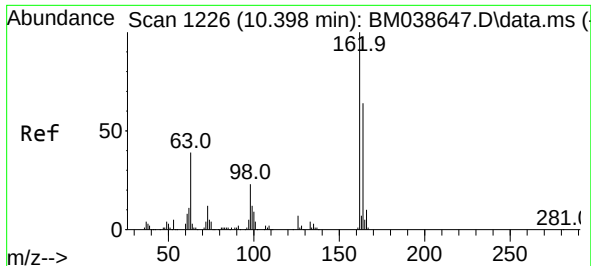
Ion Ratio Lower Upper

93 100

95 33.9 26.6 40.0

123 12.0 9.6 14.4





#29

2,4-Dichlorophenol

Concen: 41.478 ng

RT: 10.398 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BM038653.D

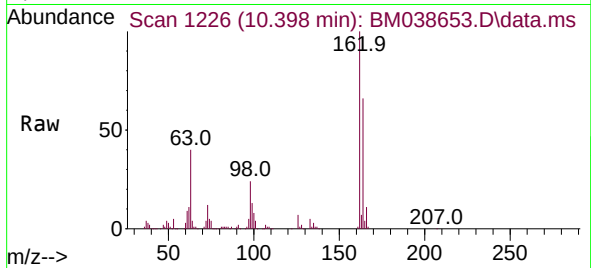
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS



Tgt Ion:162 Resp: 198000

Ion Ratio Lower Upper

162 100

164 65.6 44.3 84.3

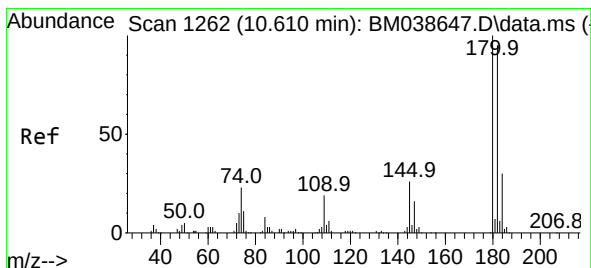
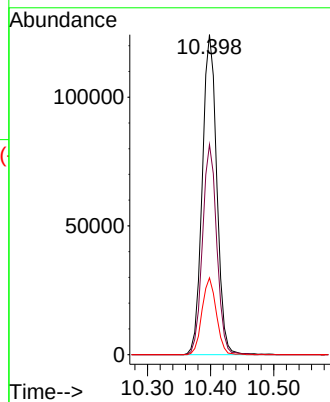
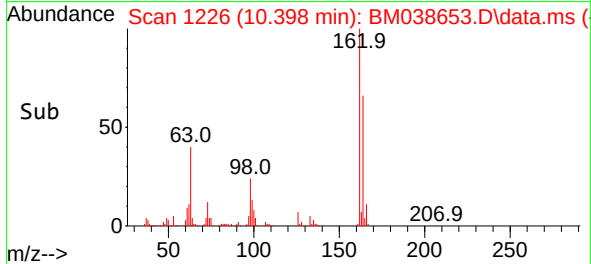
98 24.0 3.1 43.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#30

1,2,4-Trichlorobenzene

Concen: 42.648 ng

RT: 10.610 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

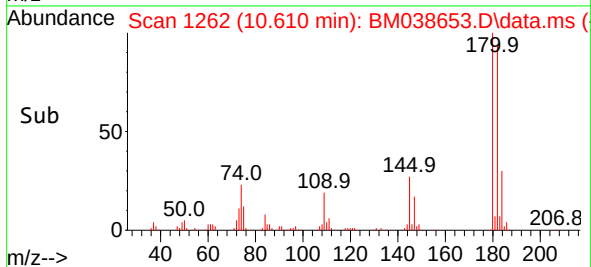
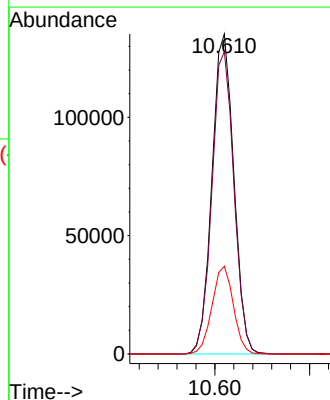
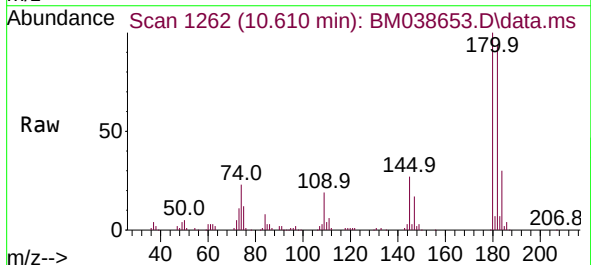
Tgt Ion:180 Resp: 216562

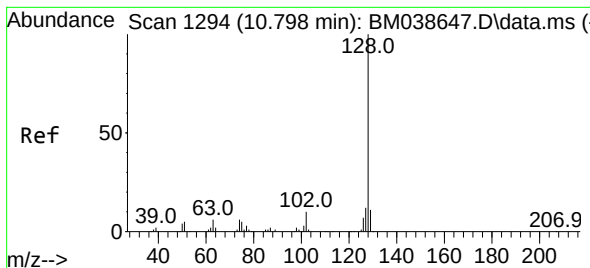
Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.2

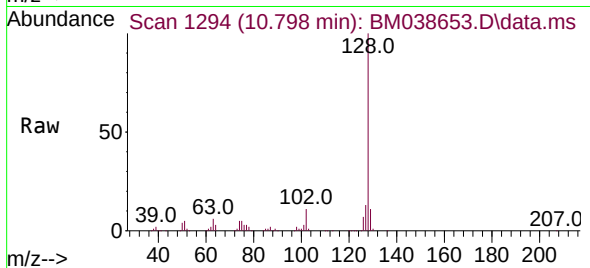
145 27.4 20.8 31.2





#31  
Naphthalene  
Concen: 40.004 ng  
RT: 10.798 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

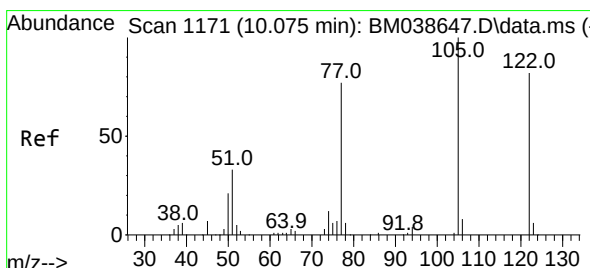
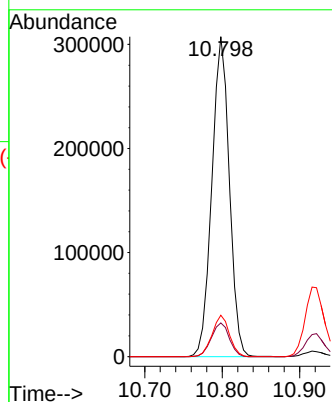
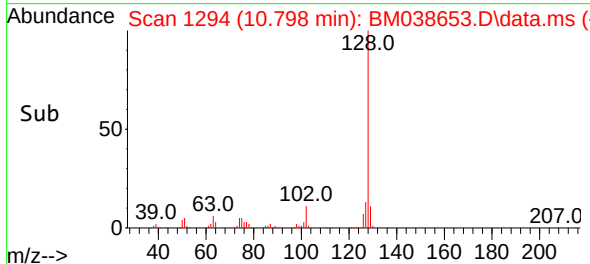
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:128 Resp: 480784  
Ion Ratio Lower Upper  
128 100  
129 10.5 9.1 13.7  
127 12.9 9.9 14.9

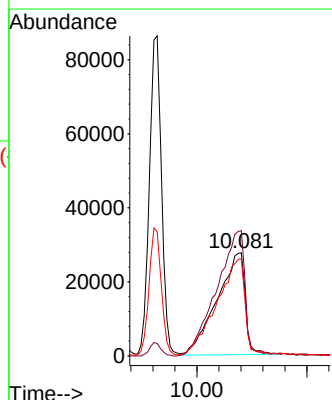
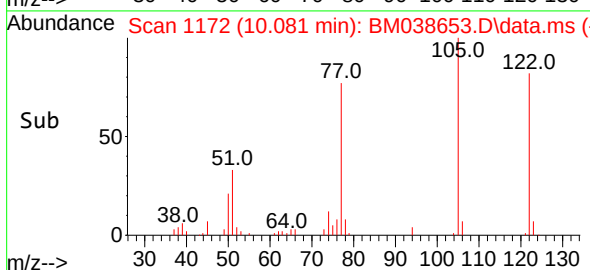
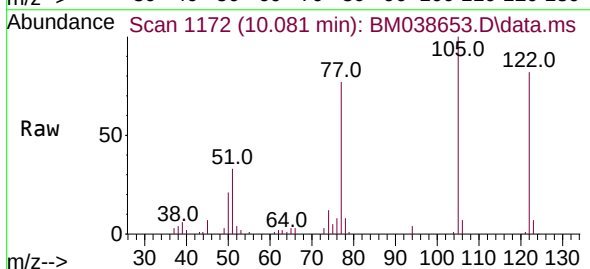
Manual Integrations  
APPROVED

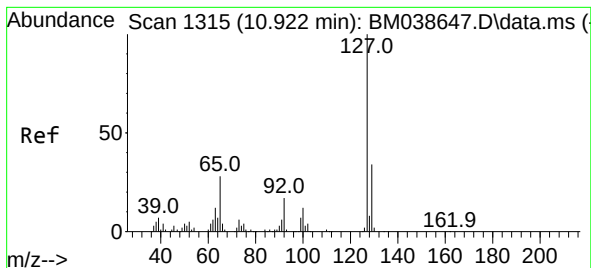
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#32  
Benzoic acid  
Concen: 36.017 ng  
RT: 10.081 min Scan# 1172  
Delta R.T. 0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Tgt Ion:122 Resp: 97963  
Ion Ratio Lower Upper  
122 100  
105 121.4 99.2 139.2  
77 94.0 72.3 112.3





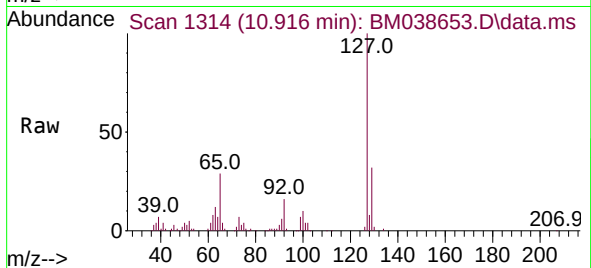
#33  
4-Chloroaniline  
Concen: 22.501 ng  
RT: 10.916 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

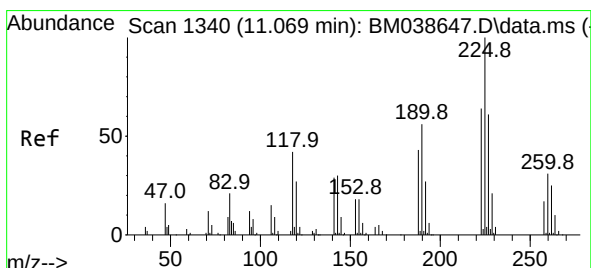
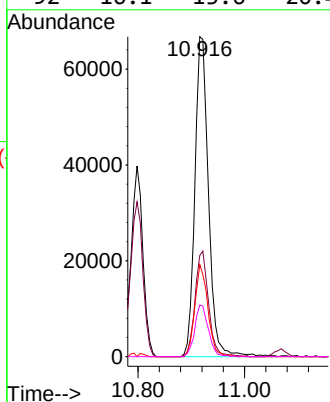
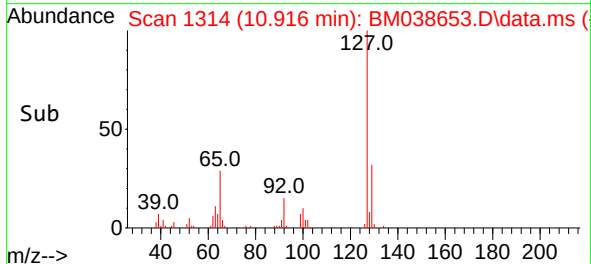


Tgt Ion:127 Resp: 118517  
Ion Ratio Lower Upper  
127 100  
129 31.6 27.1 40.7  
65 28.7 22.2 33.4  
92 16.1 13.6 20.4

Manual Integrations

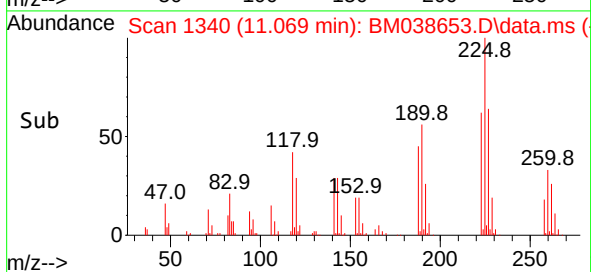
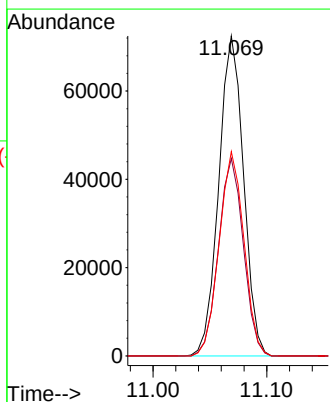
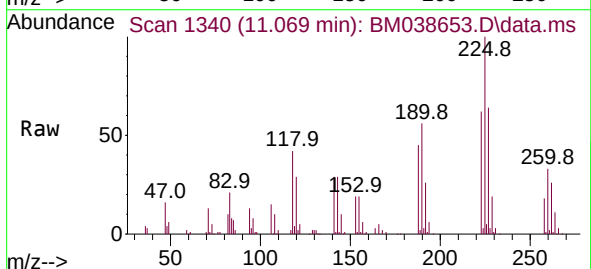
APPROVED

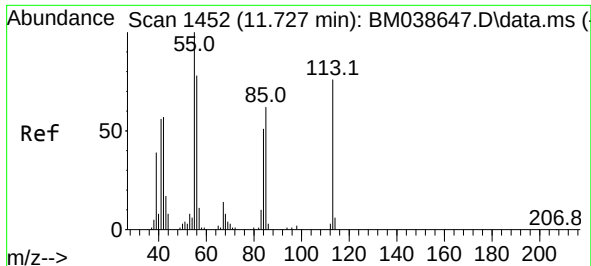
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#34  
Hexachlorobutadiene  
Concen: 43.225 ng  
RT: 11.069 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

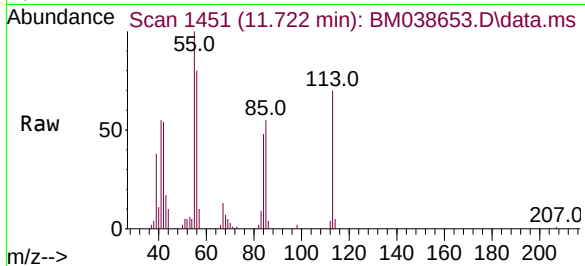
Tgt Ion:225 Resp: 109953  
Ion Ratio Lower Upper  
225 100  
223 59.0 51.0 76.4  
227 63.5 49.2 73.8





#35  
Caprolactam  
Concen: 33.369 ng m  
RT: 11.722 min Scan# 1452  
Delta R.T. -0.005 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

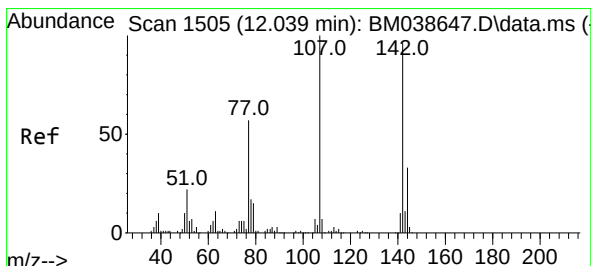
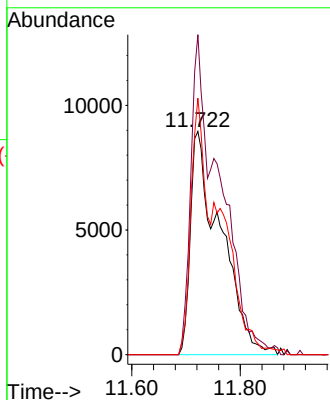
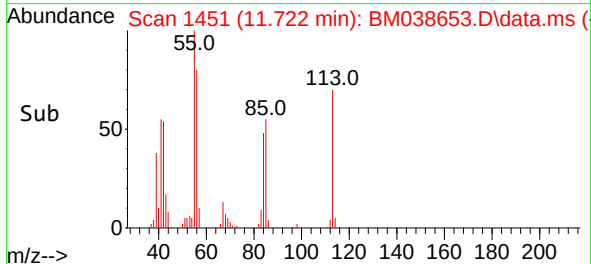
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:113 Resp: 34306  
Ion Ratio Lower Upper  
113 100  
55 143.4 111.2 151.2  
56 114.9 82.0 122.0

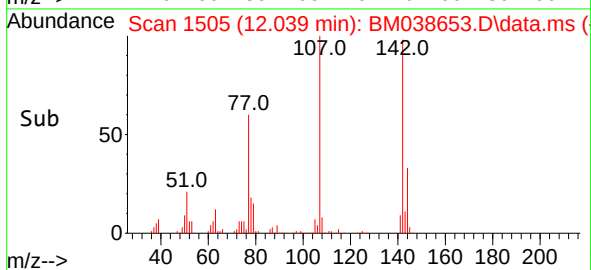
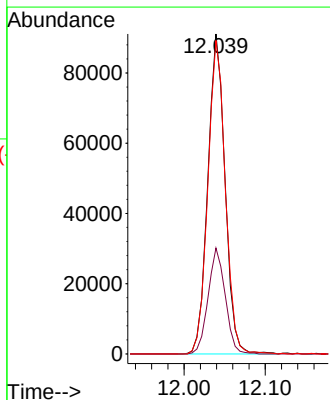
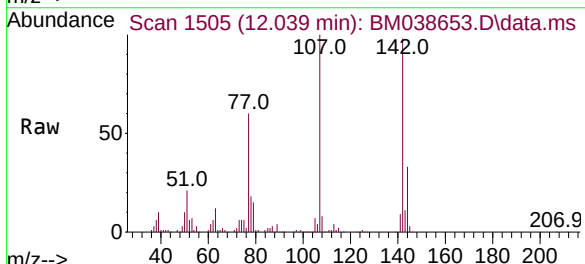
Manual Integrations  
APPROVED

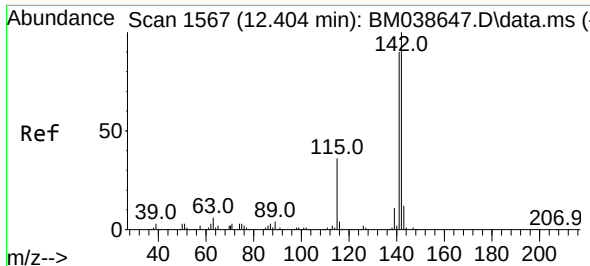
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#36  
4-Chloro-3-methylphenol  
Concen: 38.097 ng  
RT: 12.039 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

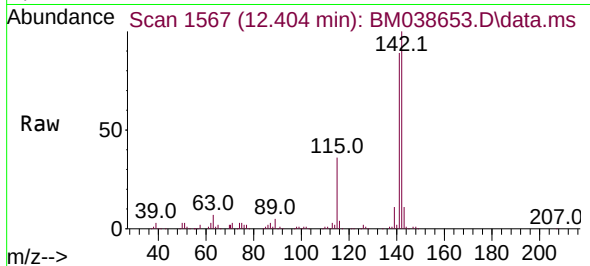
Tgt Ion:107 Resp: 134475  
Ion Ratio Lower Upper  
107 100  
144 33.1 26.5 39.7  
142 98.0 77.0 115.6





#37  
2-Methylnaphthalene  
Concen: 38.151 ng  
RT: 12.404 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

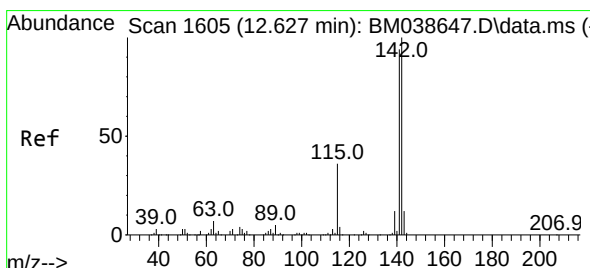
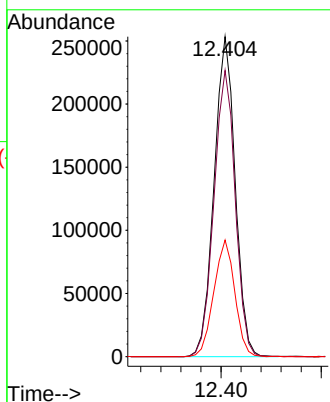
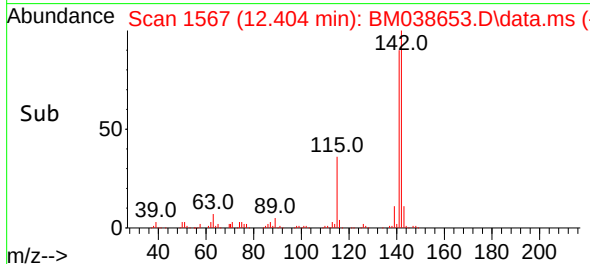
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:142 Resp: 370525  
Ion Ratio Lower Upper  
142 100  
141 89.4 71.8 107.8  
115 36.4 28.7 43.1

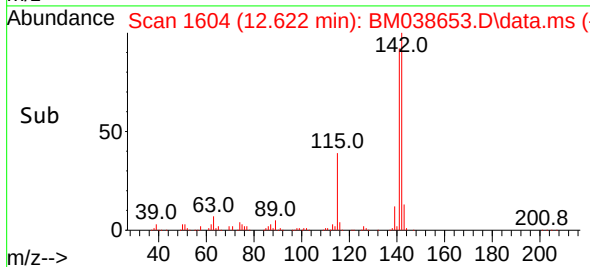
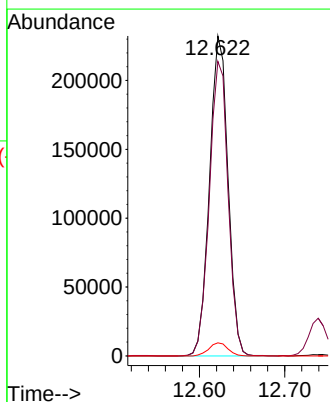
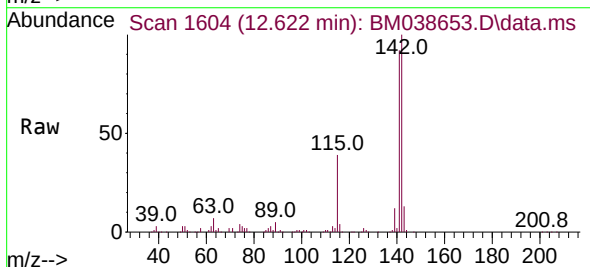
Manual Integrations  
APPROVED

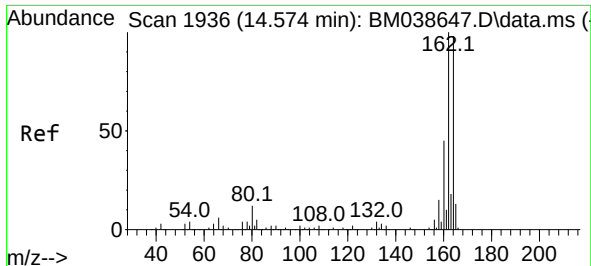
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#38  
1-Methylnaphthalene  
Concen: 38.316 ng  
RT: 12.622 min Scan# 1604  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

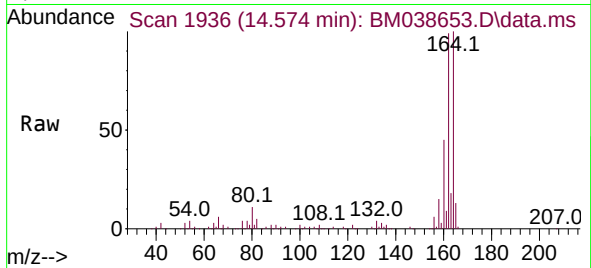
Tgt Ion:142 Resp: 350650  
Ion Ratio Lower Upper  
142 100  
141 92.0 75.5 113.3  
116 4.1 3.1 4.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.574 min Scan# 1936  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

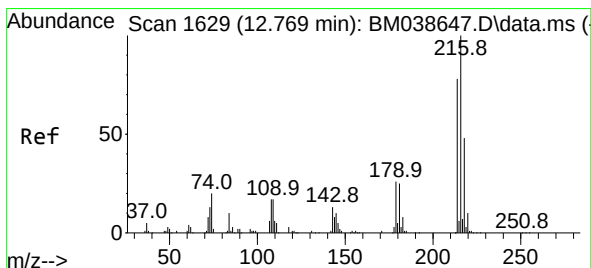
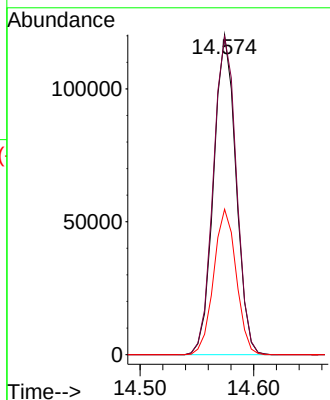
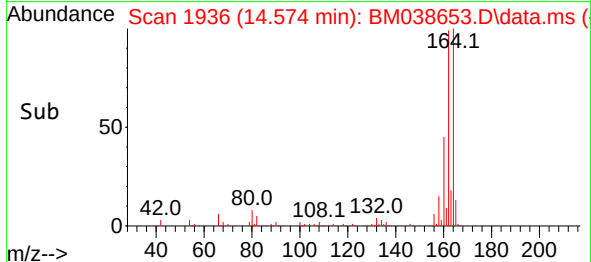
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



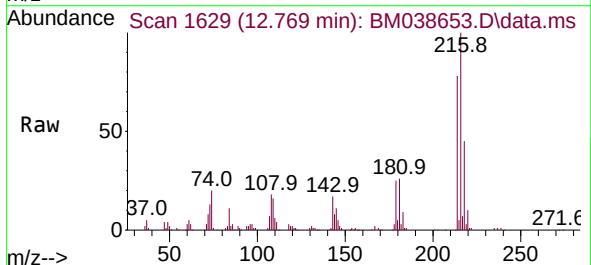
Tgt Ion:164 Resp: 16474  
Ion Ratio Lower Upper  
164 100  
162 99.3 81.4 122.0  
160 45.4 36.5 54.7

Manual Integrations  
APPROVED

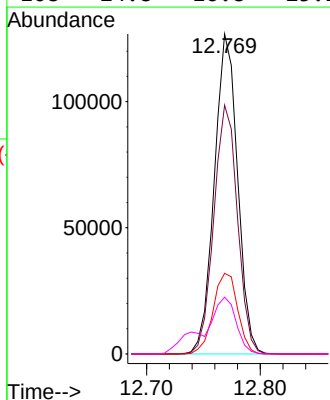
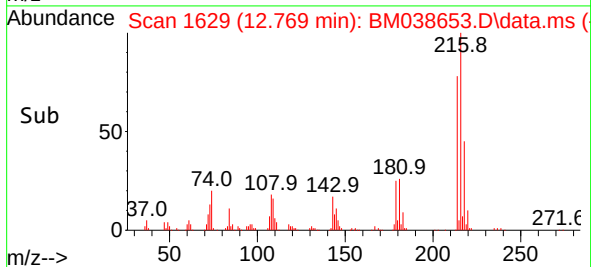
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

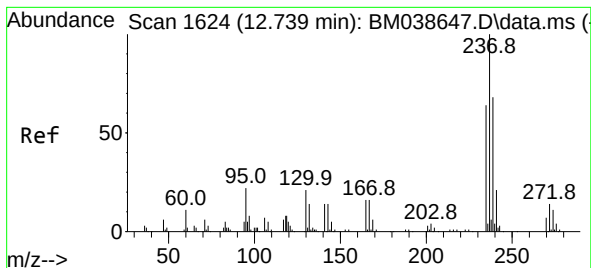


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.037 ng  
RT: 12.769 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



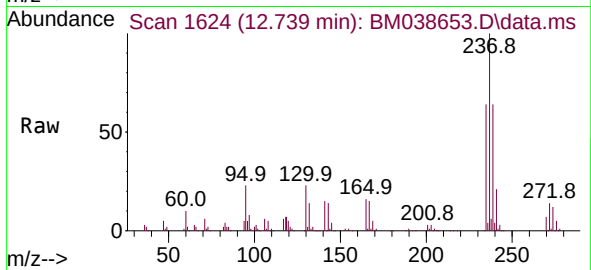
Tgt Ion:216 Resp: 180229  
Ion Ratio Lower Upper  
216 100  
214 78.9 63.4 95.0  
179 26.5 21.0 31.4  
108 24.8 16.8 25.2





#41  
Hexachlorocyclopentadiene  
Concen: 100.601 ng  
RT: 12.739 min Scan# 1624  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

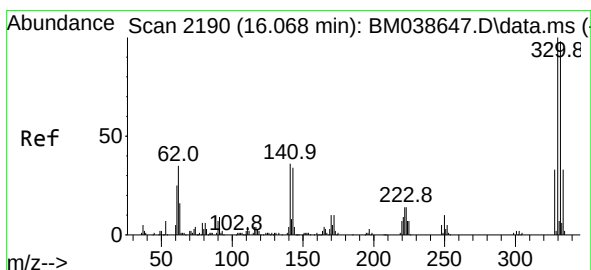
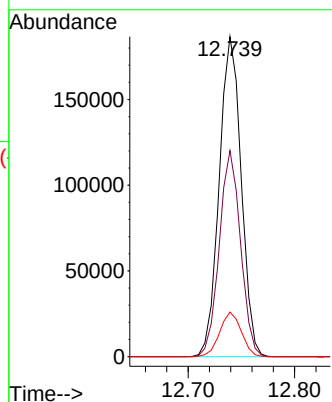
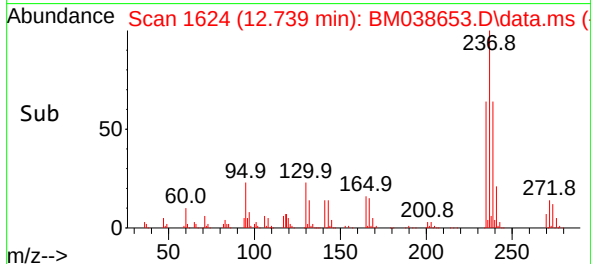
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



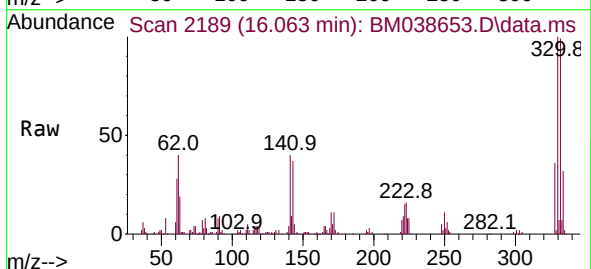
Tgt Ion:237 Resp: 267649  
Ion Ratio Lower Upper  
237 100  
235 64.4 43.8 83.8  
272 13.9 0.0 33.8

Manual Integrations  
APPROVED

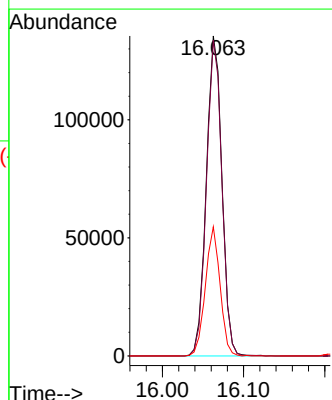
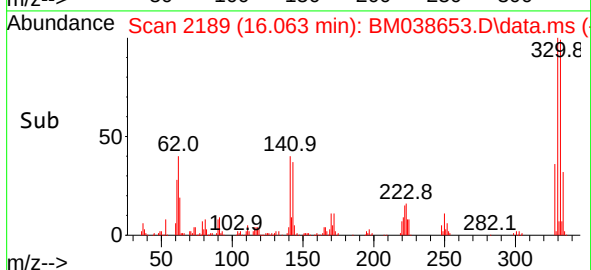
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



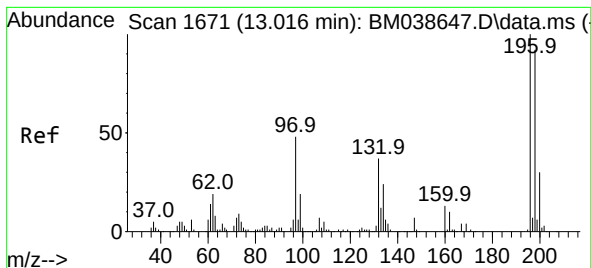
#42  
2,4,6-Tribromophenol  
Concen: 80.968 ng  
RT: 16.063 min Scan# 2189  
Delta R.T. -0.005 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:330 Resp: 181303  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.8 116.6  
141 38.0 31.0 46.6

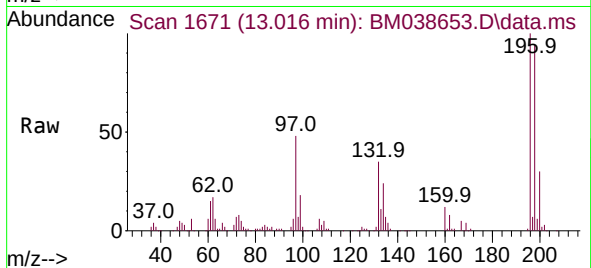






#43  
2,4,6-Trichlorophenol  
Concen: 41.380 ng  
RT: 13.016 min Scan# 1671  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

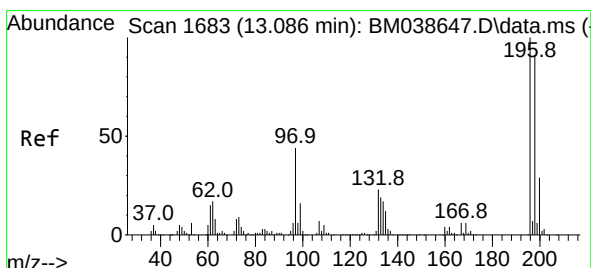
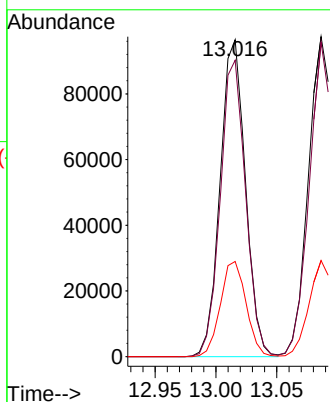
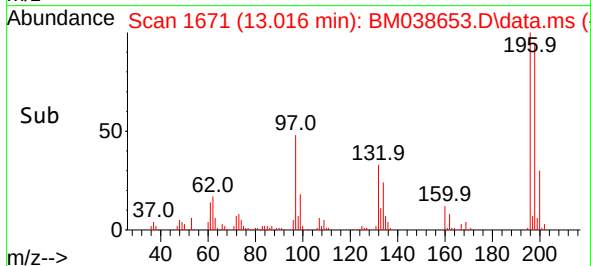
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



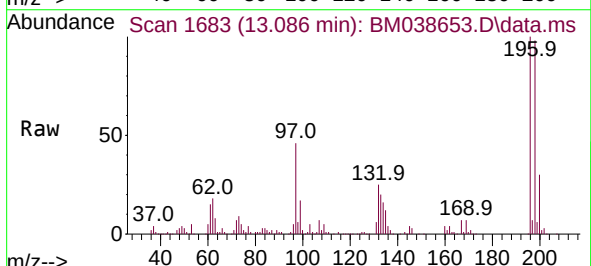
Tgt Ion:196 Resp: 139386  
Ion Ratio Lower Upper  
196 100  
198 93.5 73.7 110.5  
200 30.0 24.3 36.5

Manual Integrations  
APPROVED

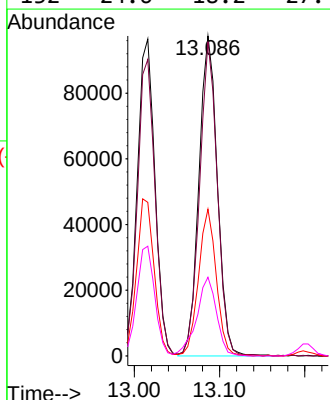
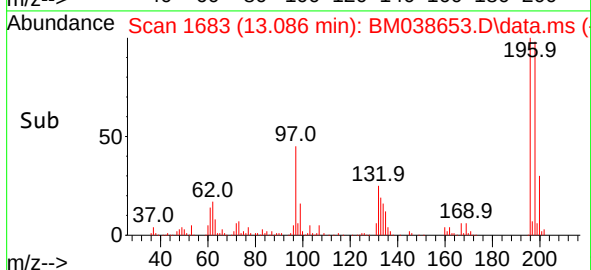
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

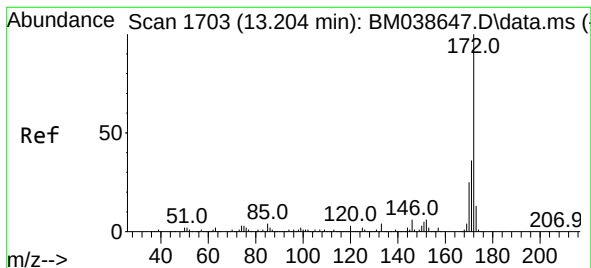


#44  
2,4,5-Trichlorophenol  
Concen: 36.996 ng  
RT: 13.086 min Scan# 1683  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



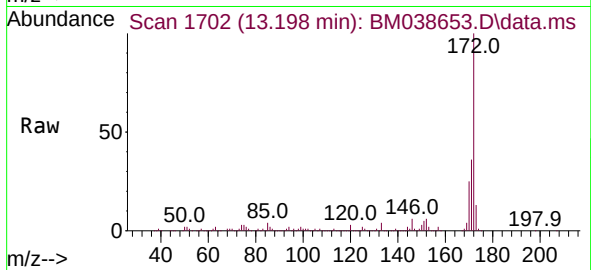
Tgt Ion:196 Resp: 146642  
Ion Ratio Lower Upper  
196 100  
198 98.2 73.1 109.7  
97 45.8 35.5 53.3  
132 24.6 18.2 27.4





#45  
2-Fluorobiphenyl  
Concen: 84.087 ng  
RT: 13.198 min Scan# 1702  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

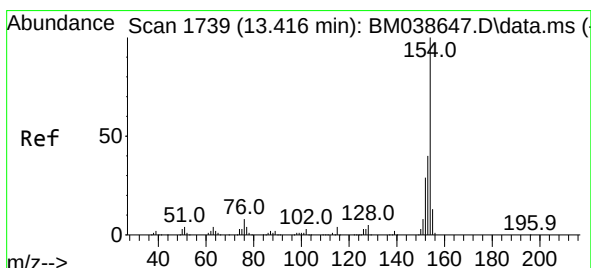
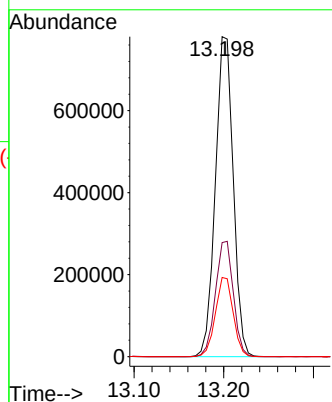
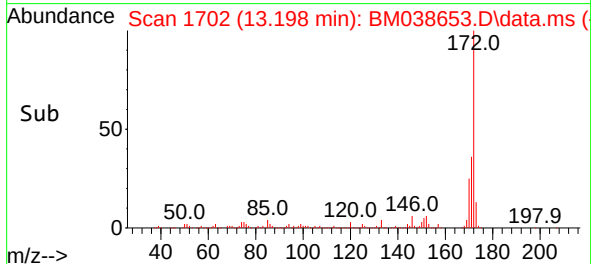
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



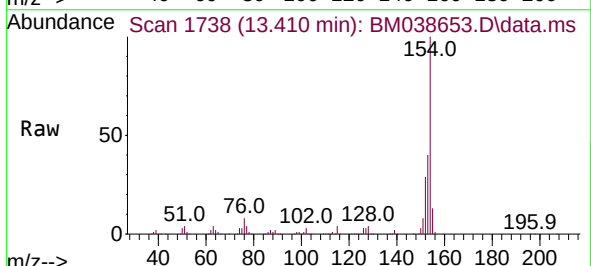
Tgt Ion:172 Resp: 1088097  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.7 43.1  
170 24.8 20.0 30.0

Manual Integrations  
APPROVED

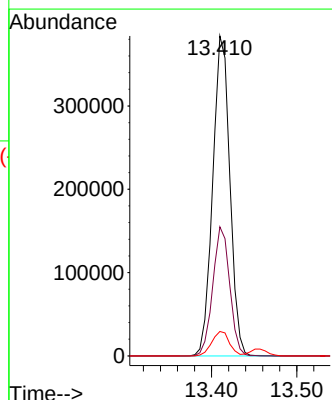
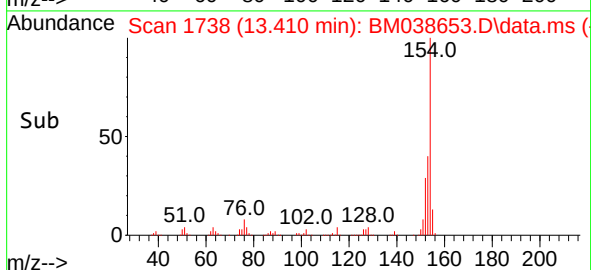
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

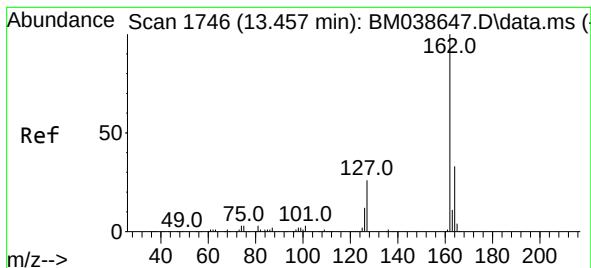


#46  
1,1'-Biphenyl  
Concen: 41.099 ng  
RT: 13.410 min Scan# 1738  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:154 Resp: 536333  
Ion Ratio Lower Upper  
154 100  
153 40.3 19.9 59.9  
76 7.7 0.0 27.9





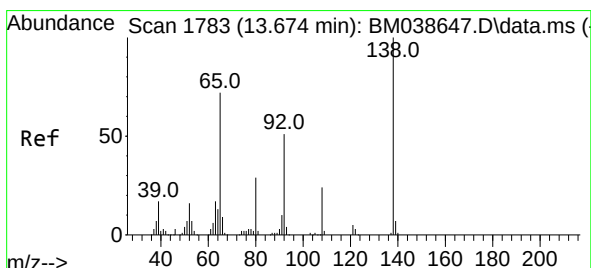
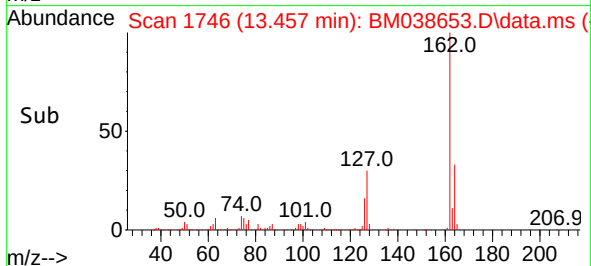
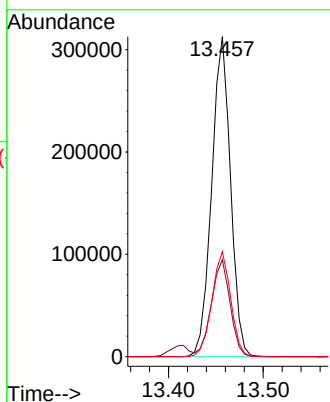
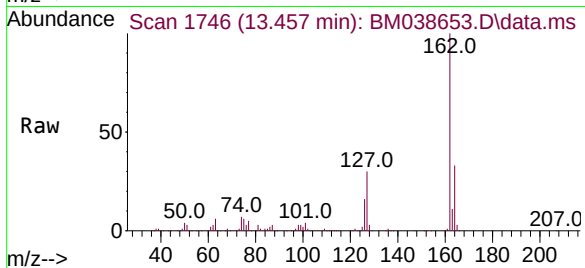
#47  
2-Chloronaphthalene  
Concen: 42.011 ng  
RT: 13.457 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS

Tgt Ion:162 Resp: 431404  
Ion Ratio Lower Upper  
162 100  
127 30.3 23.6 35.4  
164 32.8 26.7 40.1

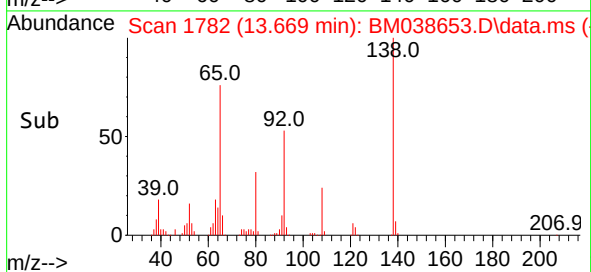
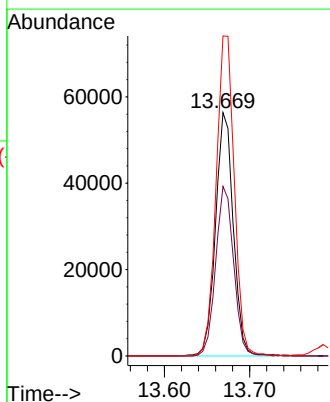
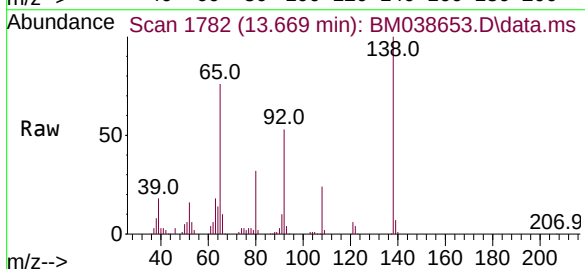
Manual Integrations  
APPROVED

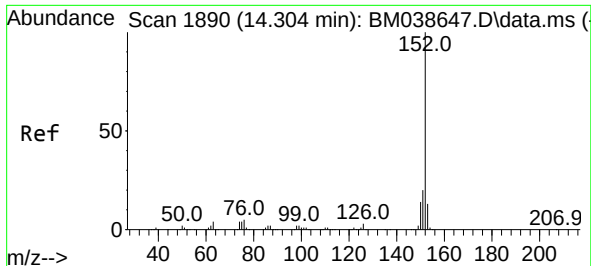
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#48  
2-Nitroaniline  
Concen: 35.780 ng  
RT: 13.669 min Scan# 1782  
Delta R.T. -0.005 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

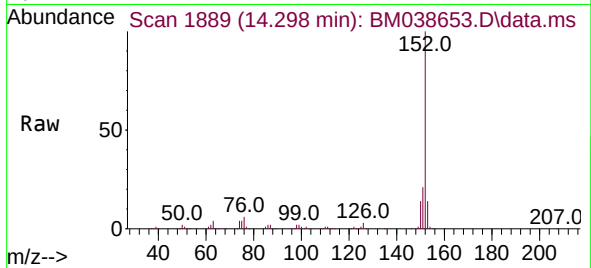
Tgt Ion: 65 Resp: 81578  
Ion Ratio Lower Upper  
65 100  
92 69.7 55.9 83.9  
138 131.5 110.6 166.0





#49  
Acenaphthylene  
Concen: 39.107 ng  
RT: 14.298 min Scan# 1889  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

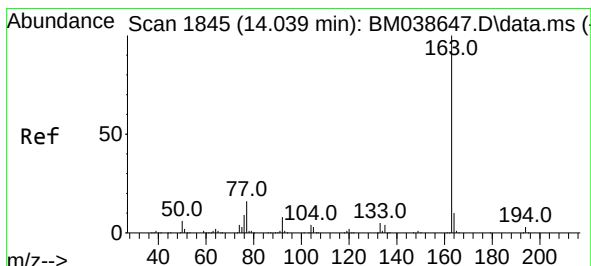
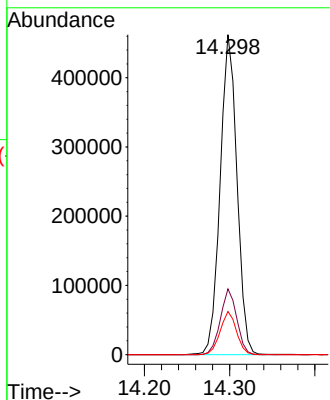
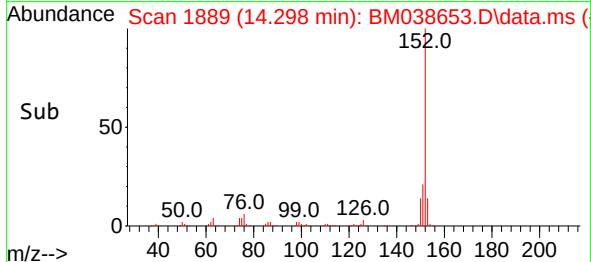
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



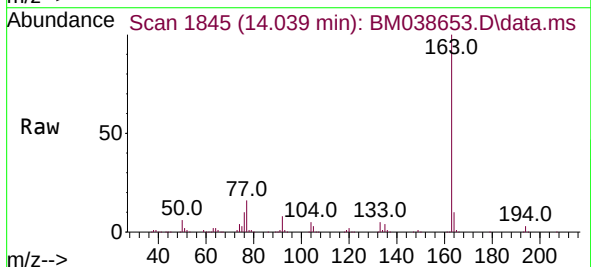
Tgt Ion:152 Resp: 632513  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.1 24.1  
153 13.5 10.0 15.0

Manual Integrations  
APPROVED

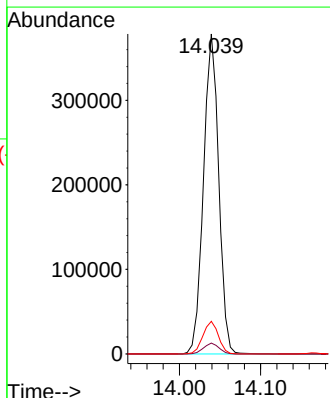
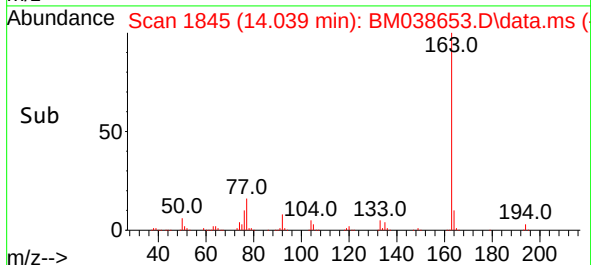
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

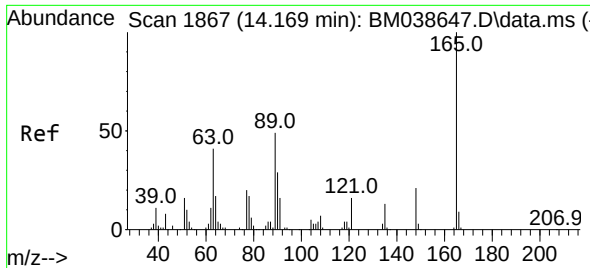


#50  
Dimethylphthalate  
Concen: 36.740 ng  
RT: 14.039 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



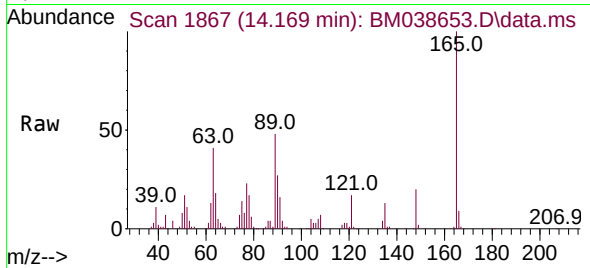
Tgt Ion:163 Resp: 493918  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.6 4.0  
164 10.2 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 38.228 ng  
RT: 14.169 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

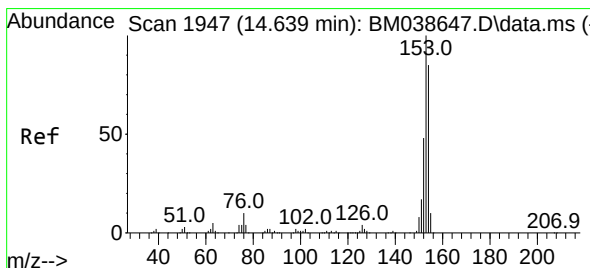
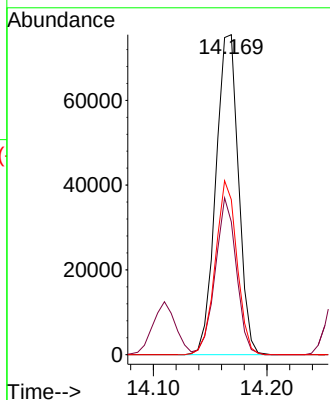
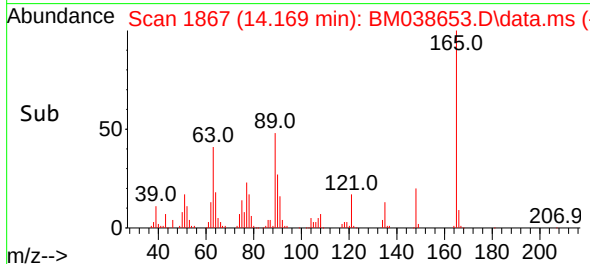
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



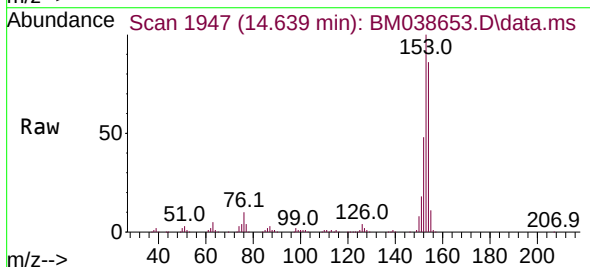
Tgt Ion:165 Resp: 10445  
Ion Ratio Lower Upper  
165 100  
63 41.5 35.8 53.8  
89 48.4 39.3 58.9

Manual Integrations  
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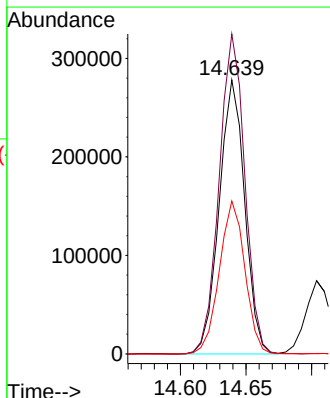
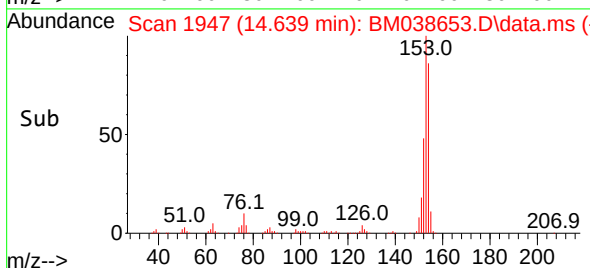
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

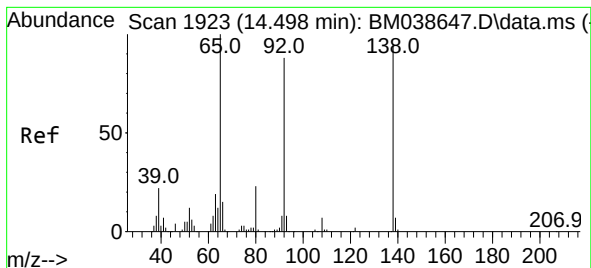


#52  
Acenaphthene  
Concen: 39.017 ng  
RT: 14.639 min Scan# 1947  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



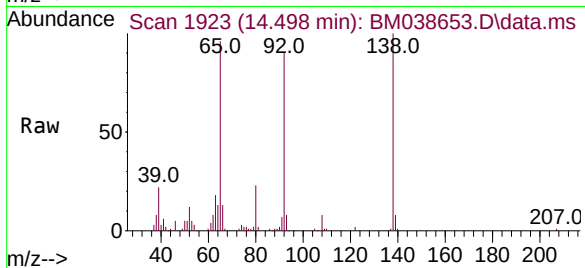
Tgt Ion:154 Resp: 376807  
Ion Ratio Lower Upper  
154 100  
153 116.8 93.7 140.5  
152 55.8 44.6 67.0





#53  
3-Nitroaniline  
Concen: 26.015 ng  
RT: 14.498 min Scan# 1923  
Delta R.T. -0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

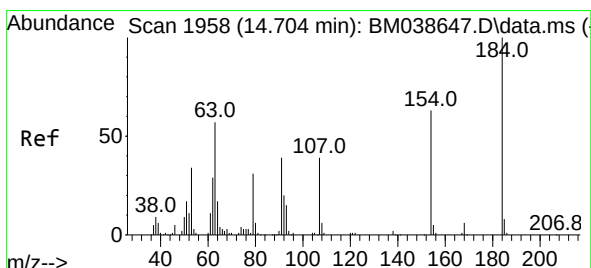
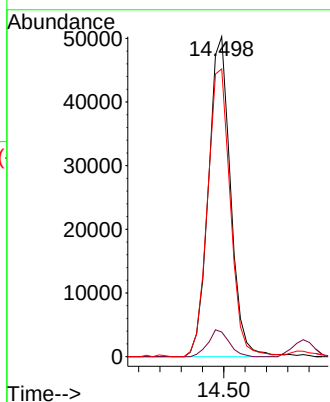
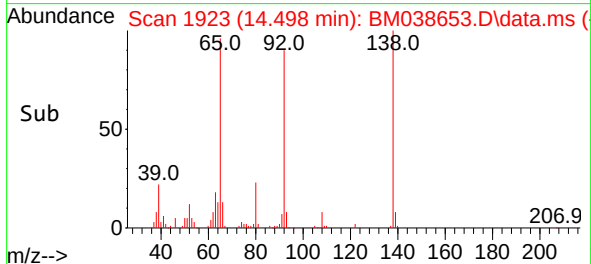
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



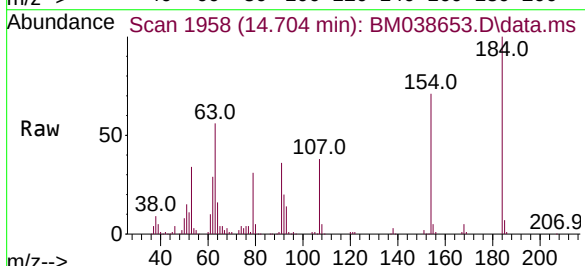
Tgt Ion:138 Resp: 72187  
Ion Ratio Lower Upper  
138 100  
108 7.7 5.8 8.8  
92 89.9 73.9 110.9

Manual Integrations  
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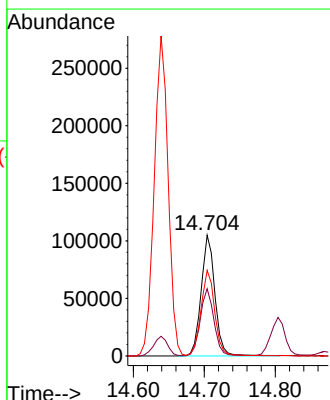
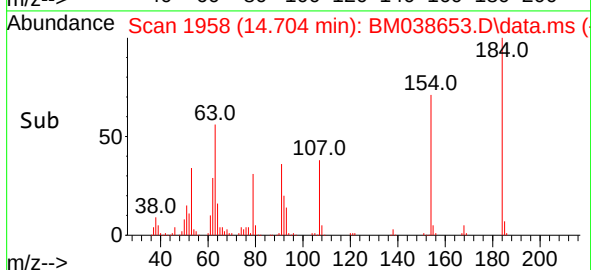
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

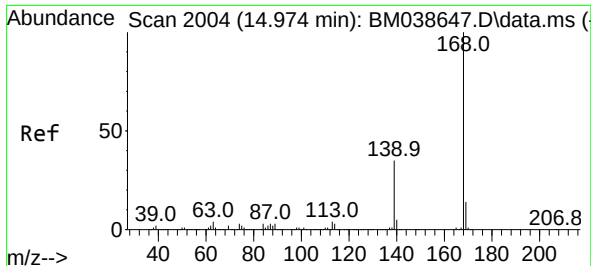


#54  
2,4-Dinitrophenol  
Concen: 78.703 ng  
RT: 14.704 min Scan# 1958  
Delta R.T. -0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



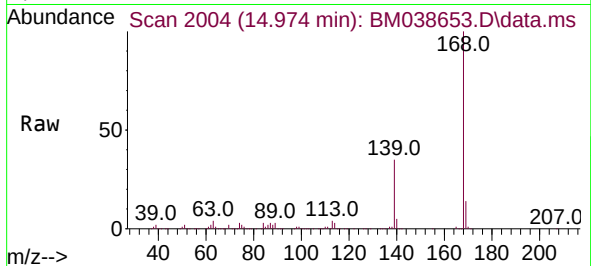
Tgt Ion:184 Resp: 139975  
Ion Ratio Lower Upper  
184 100  
63 55.7 45.9 68.9  
154 70.8 54.9 82.3





#55  
Dibenzofuran  
Concen: 38.405 ng  
RT: 14.974 min Scan# 2004  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

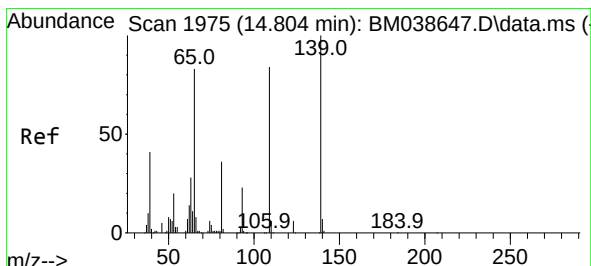
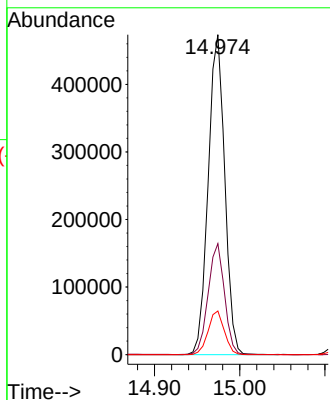
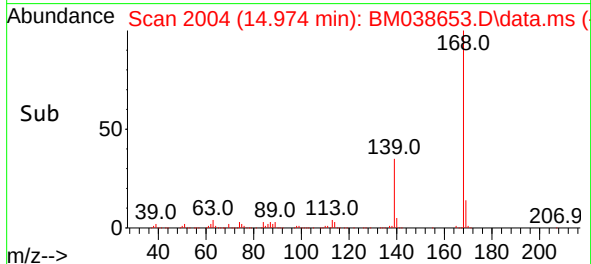
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:168 Resp: 638685  
Ion Ratio Lower Upper  
168 100  
139 34.7 27.8 41.6  
169 13.6 10.9 16.3

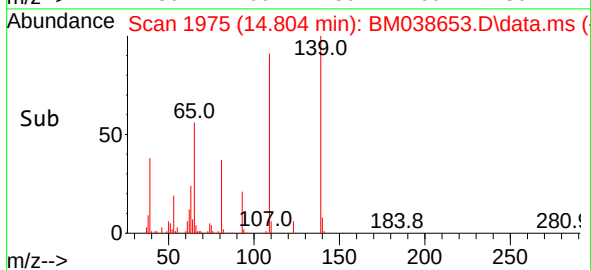
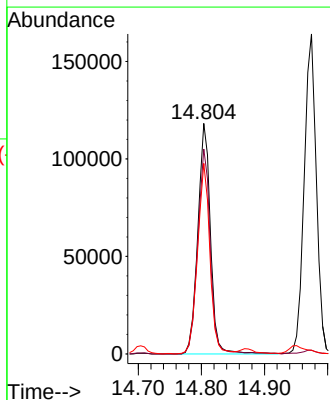
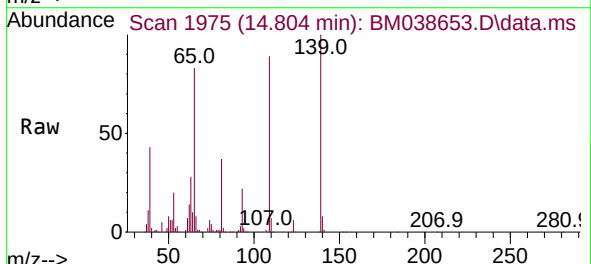
Manual Integrations  
APPROVED

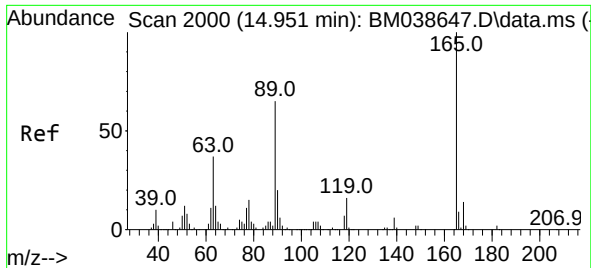
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#56  
4-Nitrophenol  
Concen: 75.060 ng  
RT: 14.804 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

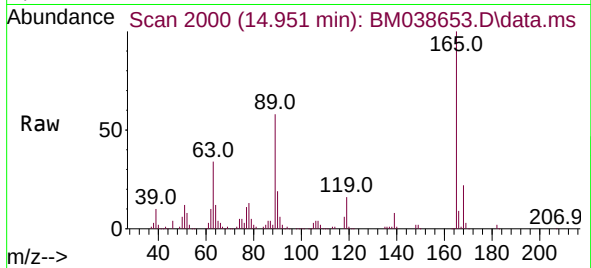
Tgt Ion:139 Resp: 164490  
Ion Ratio Lower Upper  
139 100  
109 88.9 63.8 103.8  
65 82.7 62.5 102.5





#57  
2,4-Dinitrotoluene  
Concen: 36.232 ng  
RT: 14.951 min Scan# 2000  
Delta R.T. -0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

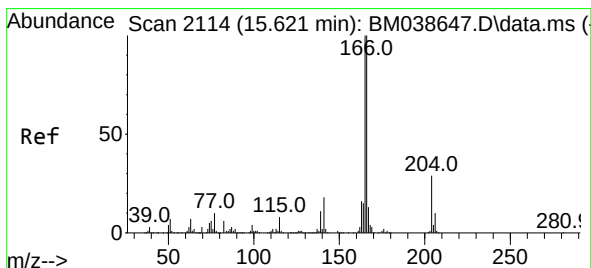
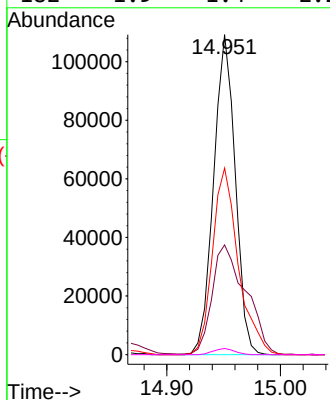
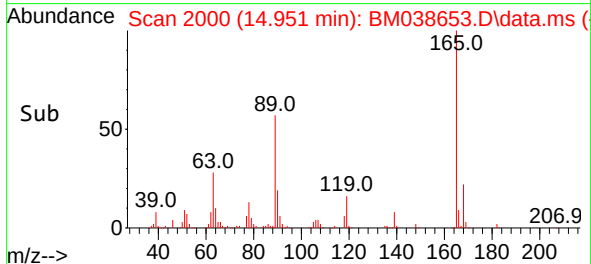
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



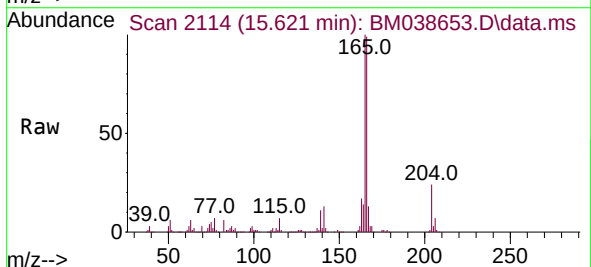
Tgt Ion:165 Resp: 144412  
Ion Ratio Lower Upper  
165 100  
63 34.3 29.4 44.0  
89 58.3 51.8 77.6  
182 1.9 1.4 2.2

Manual Integrations  
APPROVED

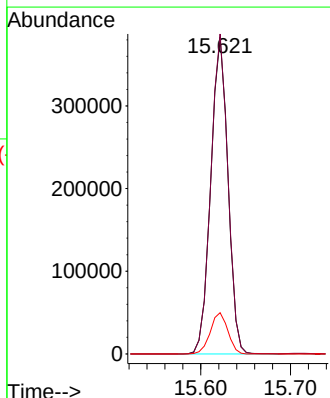
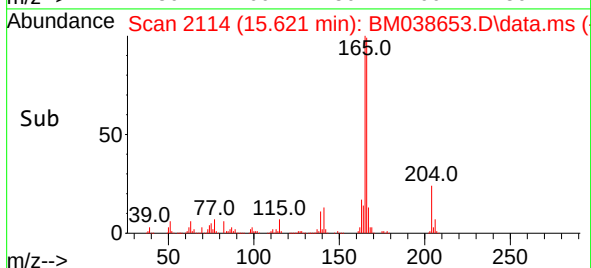
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



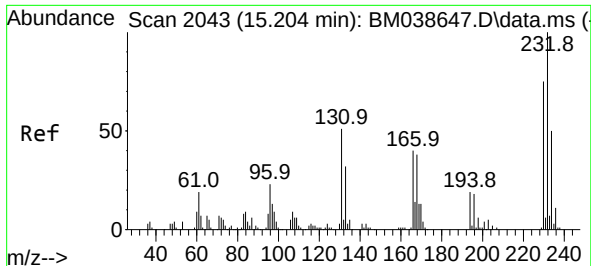
#58  
Fluorene  
Concen: 38.747 ng  
RT: 15.621 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:166 Resp: 509861  
Ion Ratio Lower Upper  
166 100  
165 101.1 80.2 120.4  
167 13.0 10.7 16.1

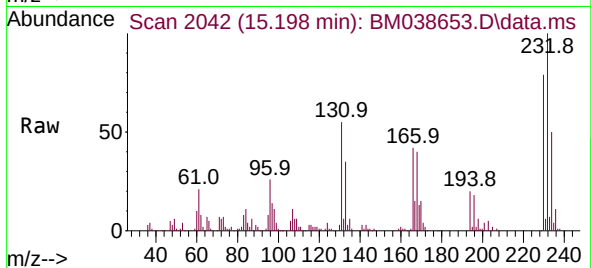






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.664 ng  
RT: 15.198 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

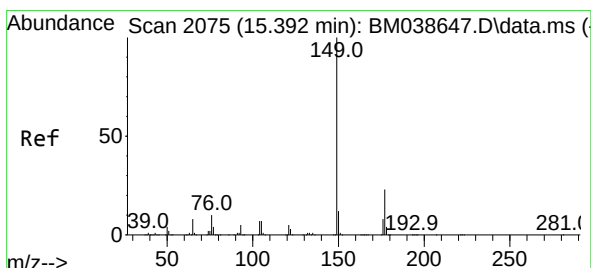
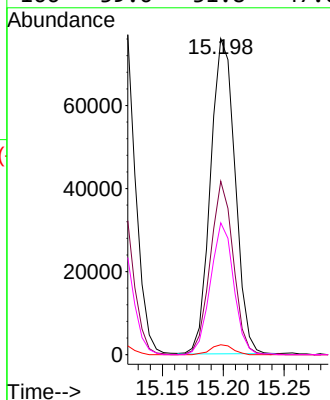
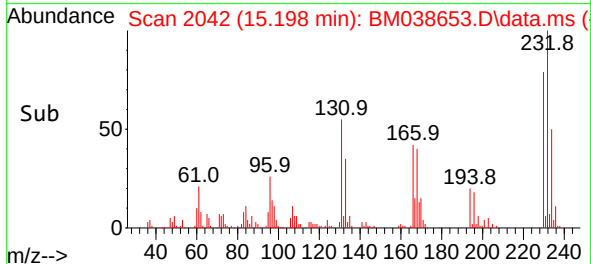
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



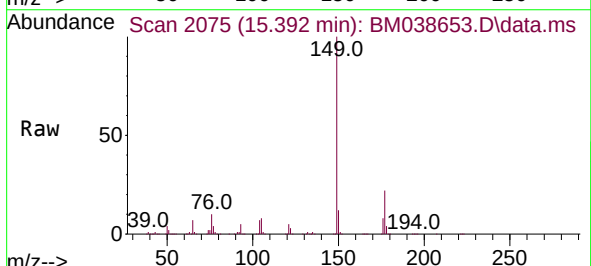
Tgt Ion:232 Resp: 106662  
Ion Ratio Lower Upper  
232 100  
131 51.6 41.2 61.8  
130 2.8 2.4 3.6  
166 39.6 31.8 47.6

Manual Integrations  
APPROVED

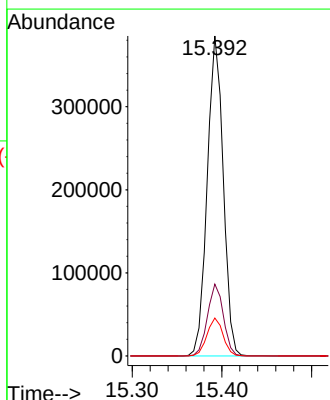
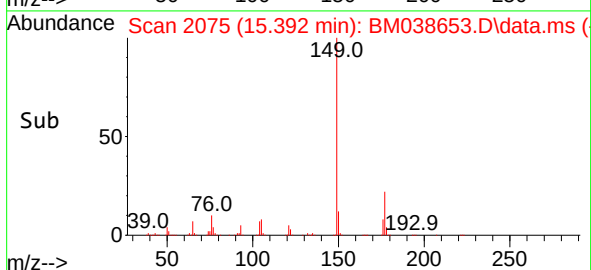
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

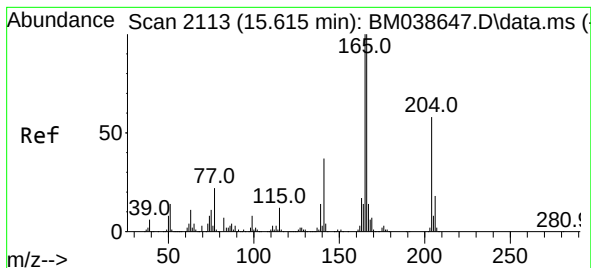


#60  
Diethylphthalate  
Concen: 37.374 ng  
RT: 15.392 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



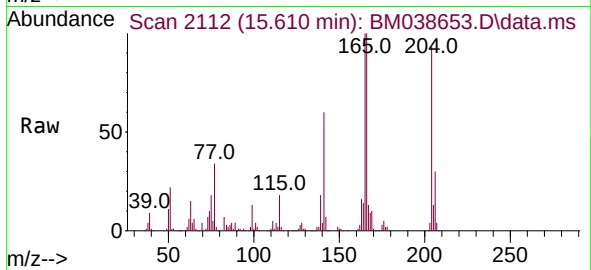
Tgt Ion:149 Resp: 475991  
Ion Ratio Lower Upper  
149 100  
177 22.4 18.1 27.1  
150 11.9 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 38.957 ng  
RT: 15.610 min Scan# 2113  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

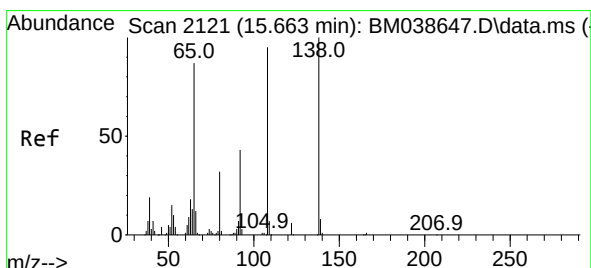
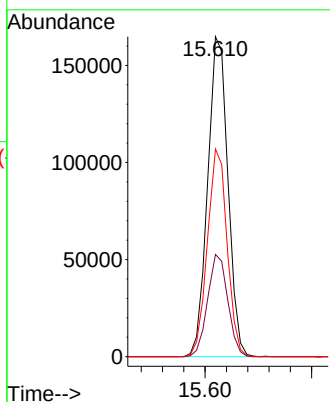
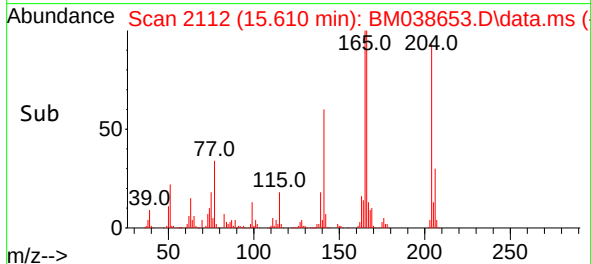
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



Tgt Ion:204 Resp: 217475  
Ion Ratio Lower Upper  
204 100  
206 31.9 25.3 37.9  
141 64.9 51.3 76.9

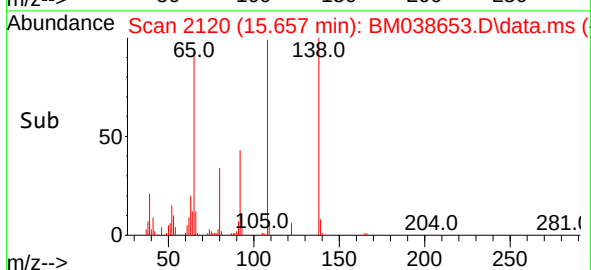
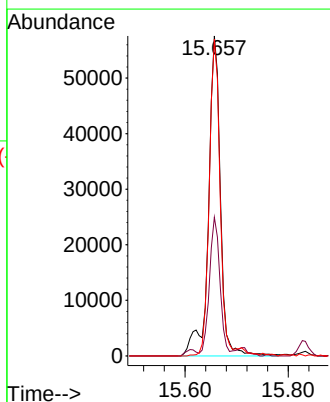
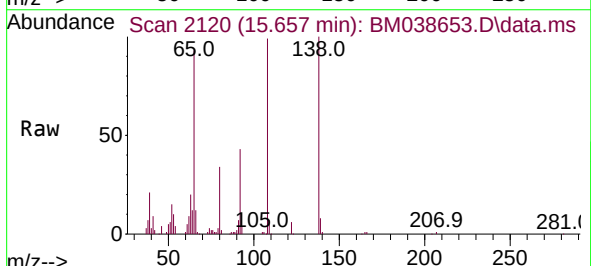
Manual Integrations  
APPROVED

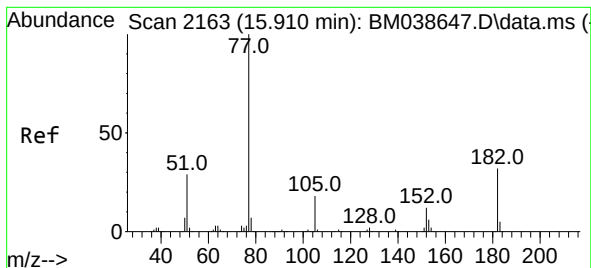
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#62  
4-Nitroaniline  
Concen: 32.140 ng  
RT: 15.657 min Scan# 2120  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Tgt Ion:138 Resp: 92482  
Ion Ratio Lower Upper  
138 100  
92 43.3 23.4 63.4  
108 98.9 75.1 115.1





#63

Azobenzene

Concen: 37.509 ng

RT: 15.904 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

Tgt Ion: 77 Resp: 36753

Ion Ratio Lower Upper

77 100

182 30.3 12.0 52.0

105 17.1 0.0 37.5

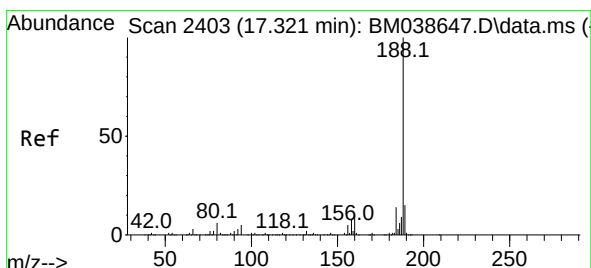
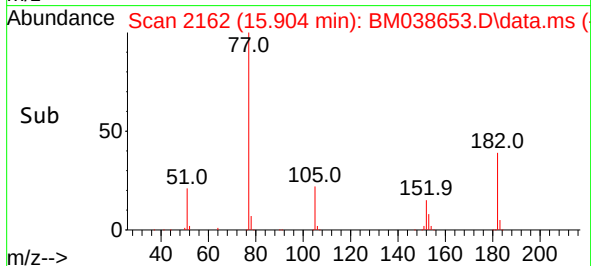
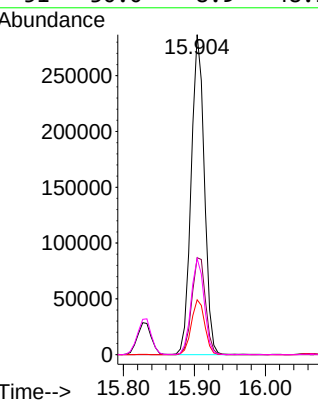
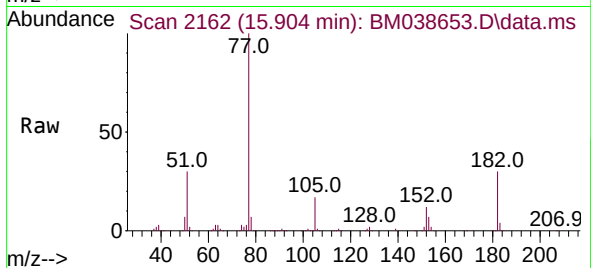
51 30.0 8.9 48.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 2402

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

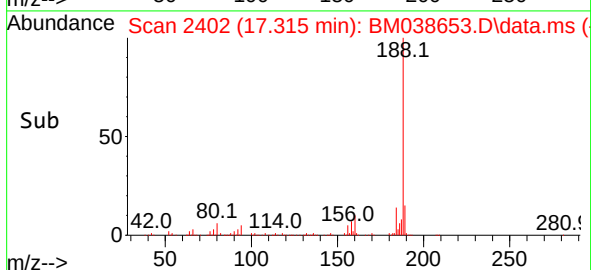
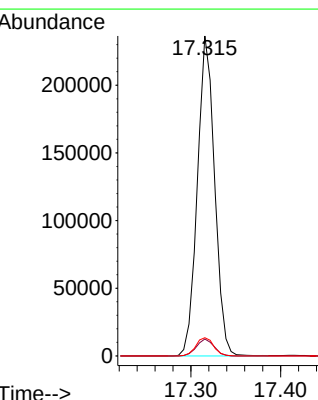
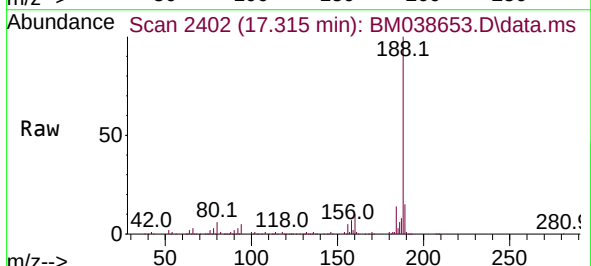
Tgt Ion:188 Resp: 315574

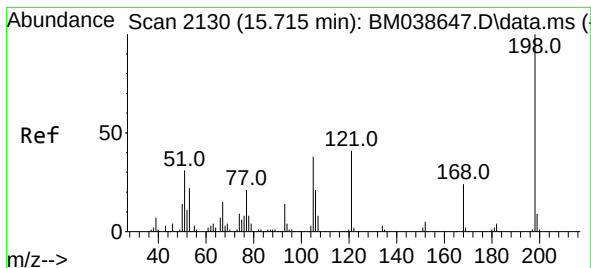
Ion Ratio Lower Upper

188 100

94 5.3 4.2 6.4

80 5.7 4.6 7.0





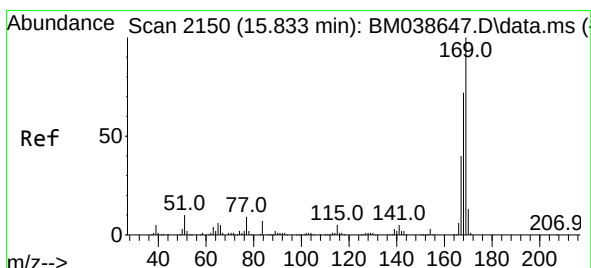
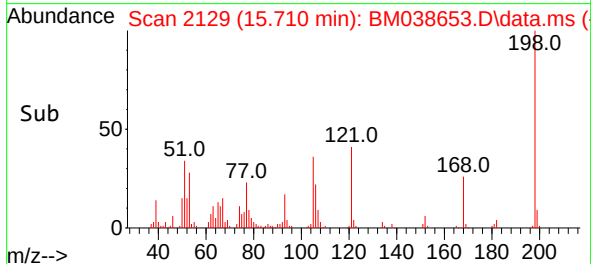
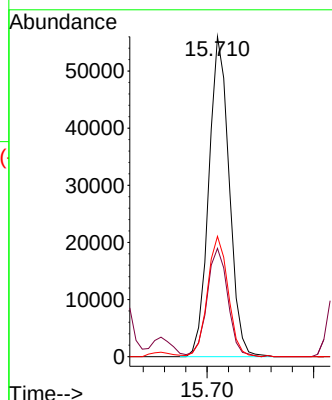
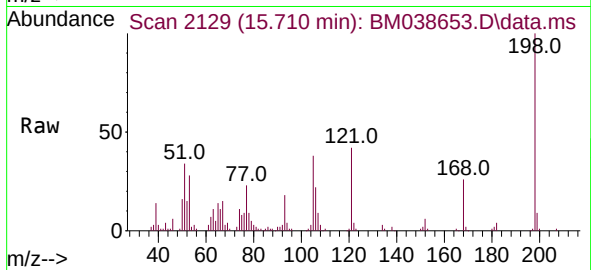
#65  
4,6-Dinitro-2-methylphenol  
Concen: 37.482 ng  
RT: 15.710 min Scan# 2130  
Delta R.T. -0.005 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS

Tgt Ion:198 Resp: 74462  
Ion Ratio Lower Upper  
198 100  
51 33.8 13.0 53.0  
105 37.6 17.9 57.9

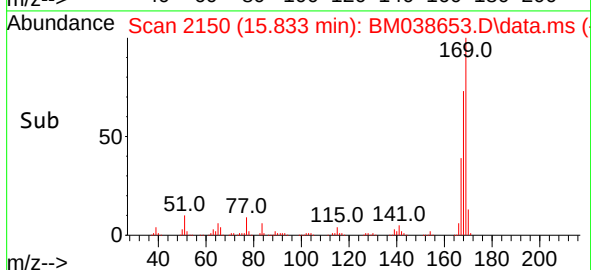
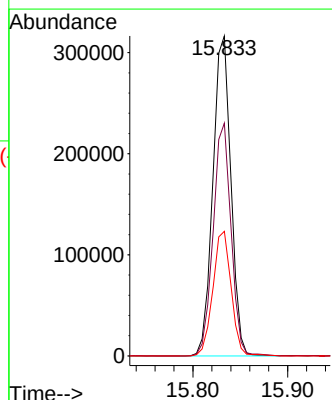
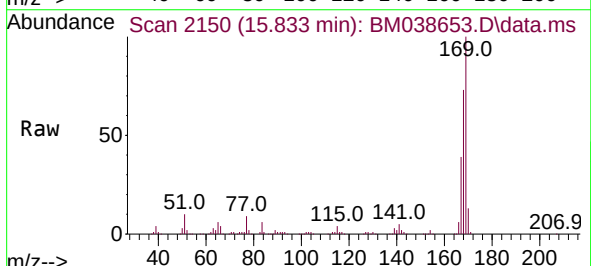
Manual Integrations  
APPROVED

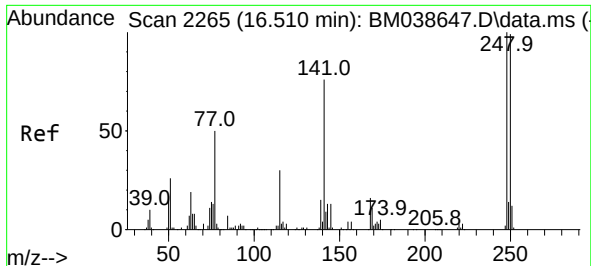
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.593 ng  
RT: 15.833 min Scan# 2150  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

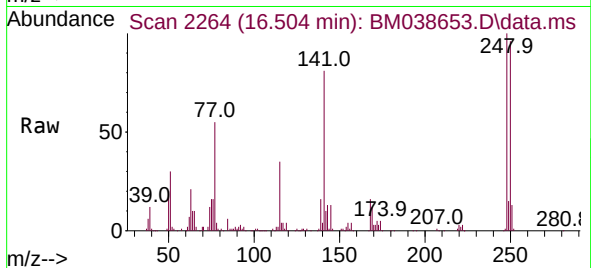
Tgt Ion:169 Resp: 418274  
Ion Ratio Lower Upper  
169 100  
168 72.8 57.6 86.4  
167 39.0 32.3 48.5





#67  
4-Bromophenyl-phenylether  
Concen: 42.147 ng  
RT: 16.504 min Scan# 2264  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

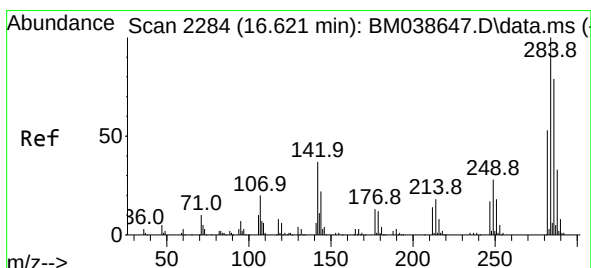
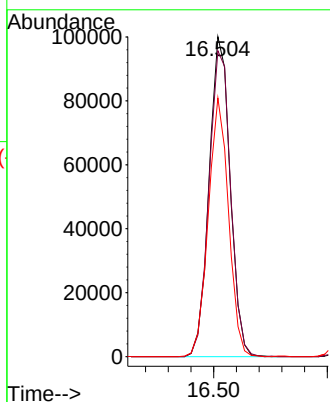
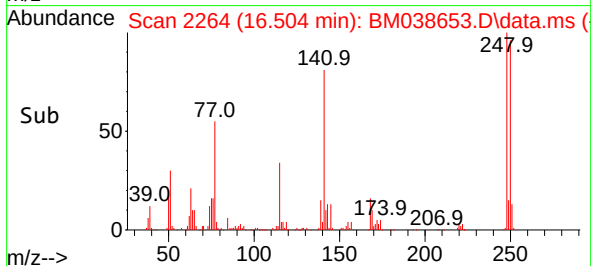
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



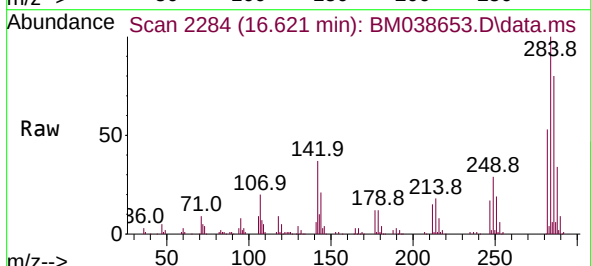
Tgt Ion:248 Resp: 128425  
Ion Ratio Lower Upper  
248 100  
250 95.6 79.4 119.2  
141 80.8 61.0 91.6

Manual Integrations  
APPROVED

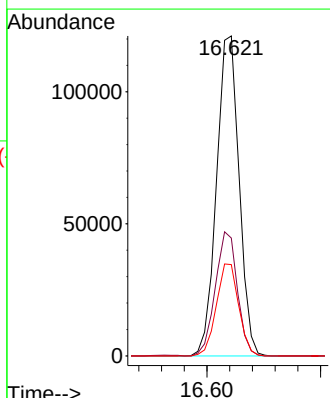
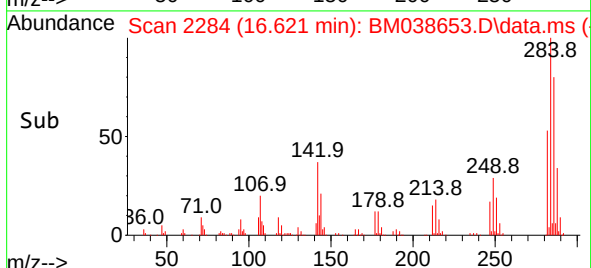
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

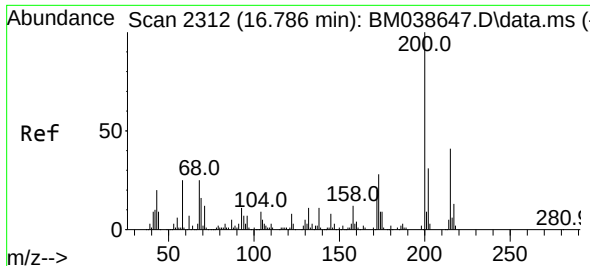


#68  
Hexachlorobenzene  
Concen: 44.809 ng  
RT: 16.621 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



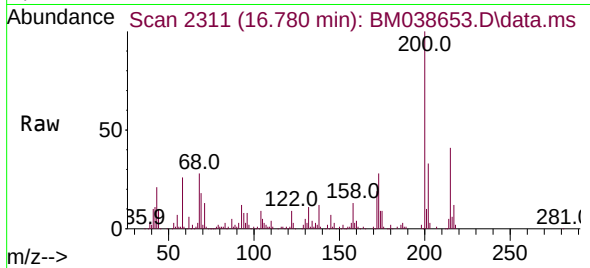
Tgt Ion:284 Resp: 166867  
Ion Ratio Lower Upper  
284 100  
142 36.9 29.8 44.6  
249 28.6 22.2 33.4





#69  
 Atrazine  
 Concen: 43.187 ng  
 RT: 16.780 min Scan# 2311  
 Delta R.T. -0.006 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07

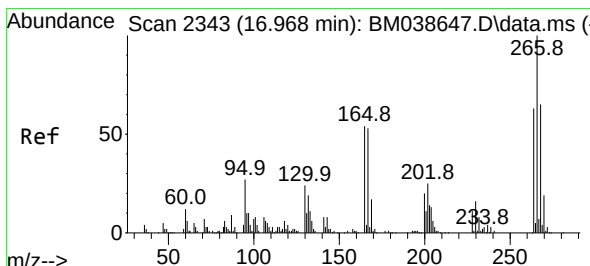
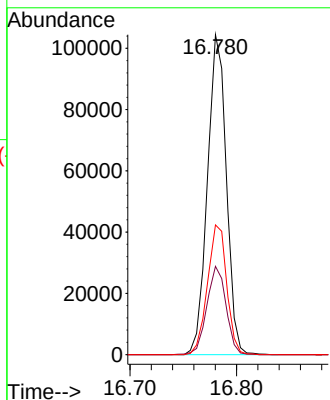
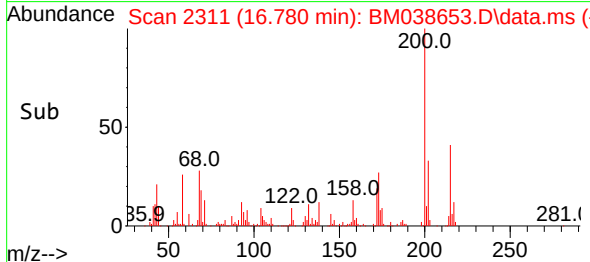
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150362BS



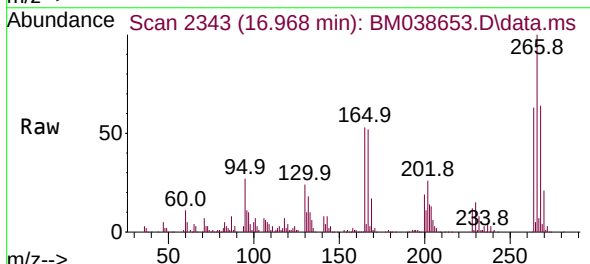
Tgt Ion:200 Resp: 128978  
 Ion Ratio Lower Upper  
 200 100  
 173 27.6 7.9 47.9  
 215 40.5 20.8 60.8

Manual Integrations  
 APPROVED

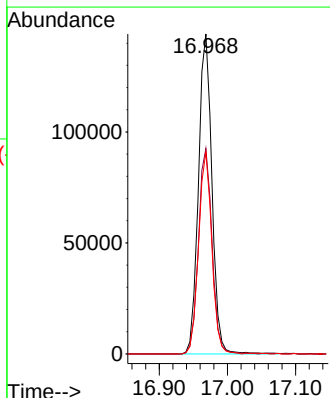
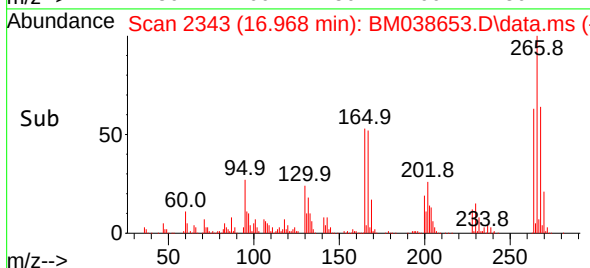
Reviewed By :Christian Giraldo 02/02/2023  
 Supervised By :Jagrut Upadhyay 02/06/2023

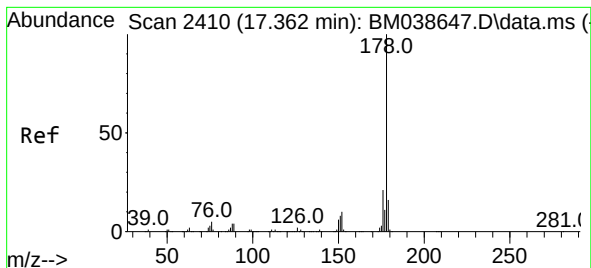


#70  
 Pentachlorophenol  
 Concen: 73.040 ng  
 RT: 16.968 min Scan# 2343  
 Delta R.T. 0.000 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07



Tgt Ion:266 Resp: 198278  
 Ion Ratio Lower Upper  
 266 100  
 268 64.2 51.8 77.6  
 264 63.1 50.6 76.0





#71

Phenanthrene

Concen: 40.604 ng

RT: 17.363 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BM038653.D

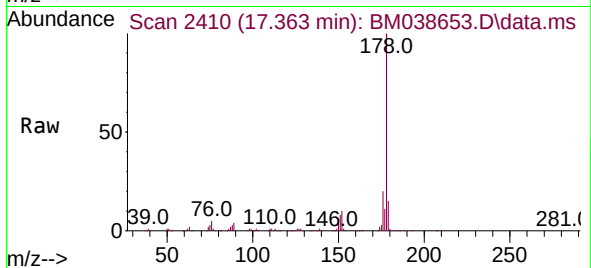
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS



Tgt Ion:178 Resp: 760825

Ion Ratio Lower Upper

178 100

176 20.3 16.7 25.1

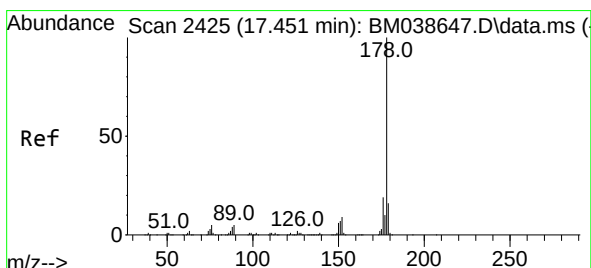
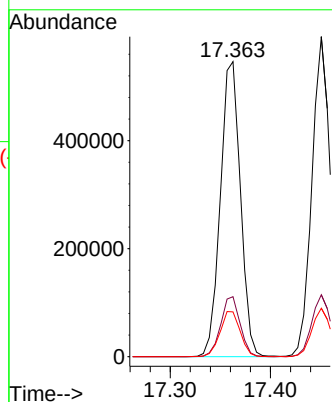
179 15.2 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#72

Anthracene

Concen: 40.019 ng

RT: 17.451 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

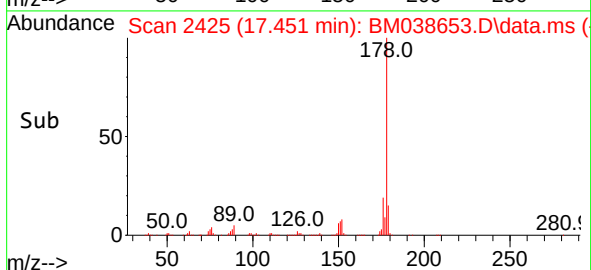
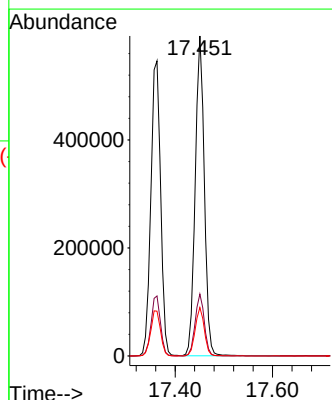
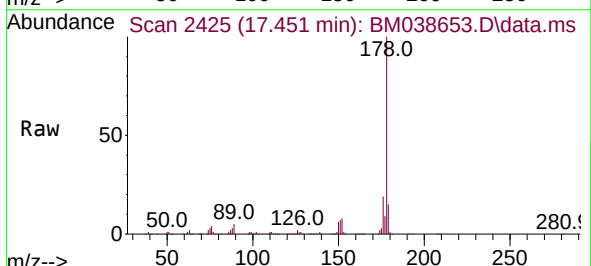
Tgt Ion:178 Resp: 767135

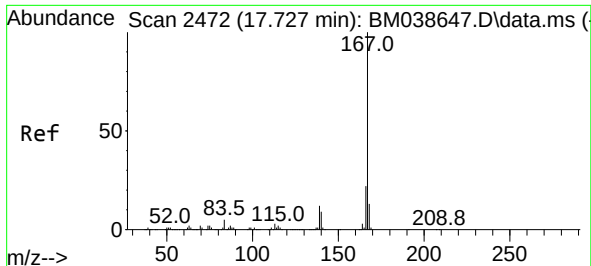
Ion Ratio Lower Upper

178 100

176 19.3 15.6 23.4

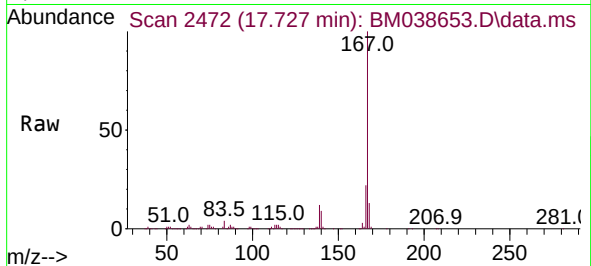
179 15.1 12.4 18.6





#73  
 Carbazole  
 Concen: 39.722 ng  
 RT: 17.727 min Scan# 2472  
 Delta R.T. 0.000 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07

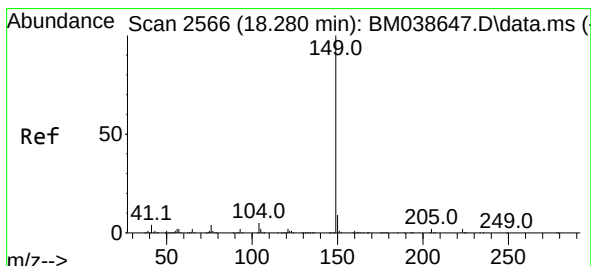
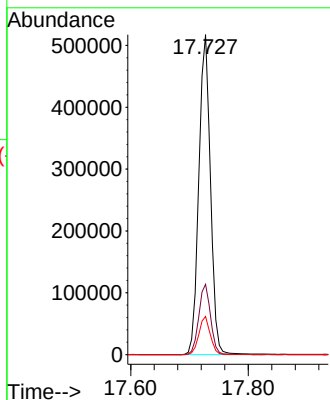
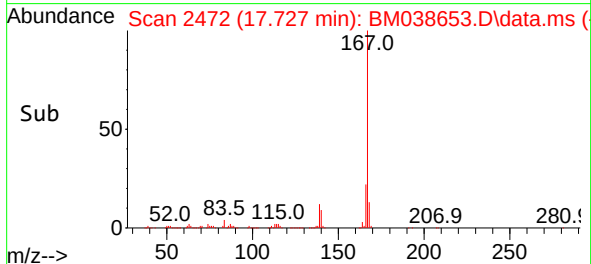
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150362BS



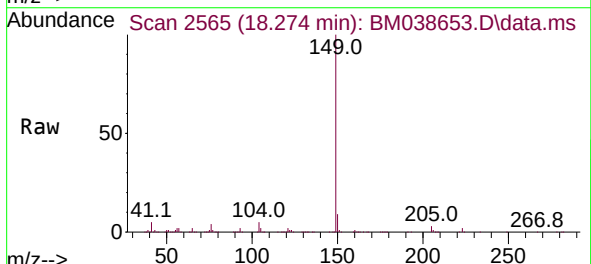
Tgt Ion:167 Resp: 710146  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.8 26.6  
 139 11.9 9.4 14.2

Manual Integrations  
 APPROVED

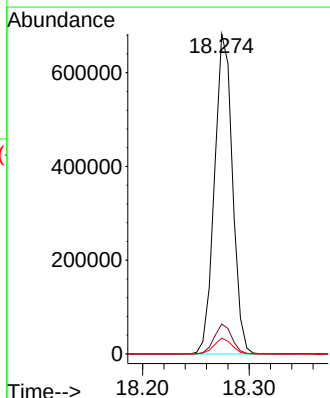
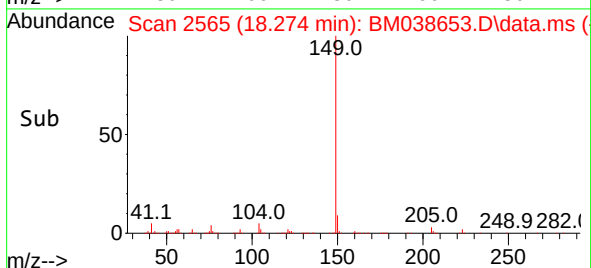
Reviewed By :Christian Giraldo 02/02/2023  
 Supervised By :Jagrut Upadhyay 02/06/2023



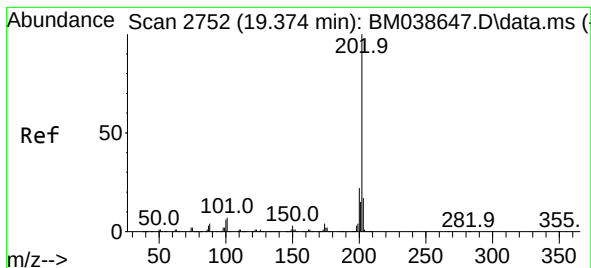
#74  
 Di-n-butylphthalate  
 Concen: 39.764 ng  
 RT: 18.274 min Scan# 2565  
 Delta R.T. -0.006 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07



Tgt Ion:149 Resp: 803156  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 4.9 3.8 5.6







#75

Fluoranthene

Concen: 38.253 ng

RT: 19.368 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

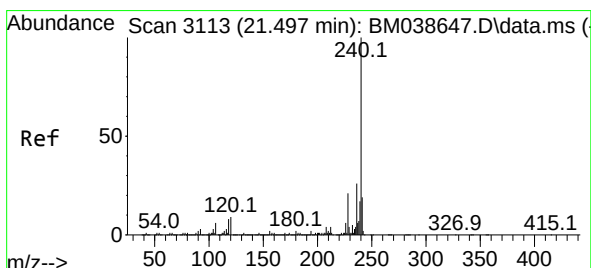
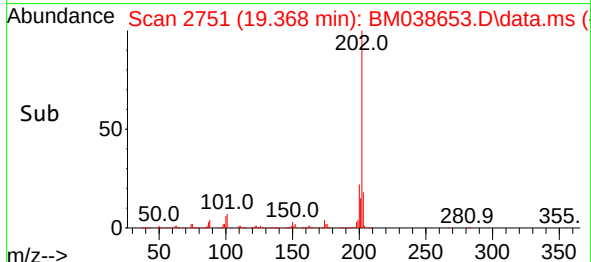
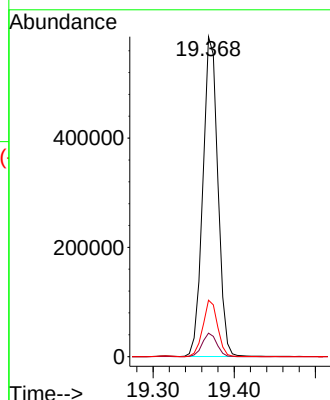
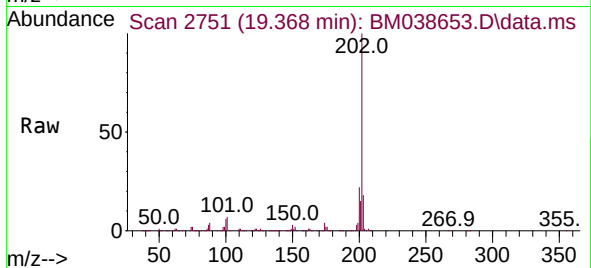
PB150362BS

Tgt Ion:202 Resp: 752582  
 Ion Ratio Lower Upper  
 202 100  
 101 7.4 0.0 27.4  
 203 17.7 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023  
 Supervised By :Jagrut Upadhyay 02/06/2023



#76

Chrysene-d12

Concen: 20.000 ng

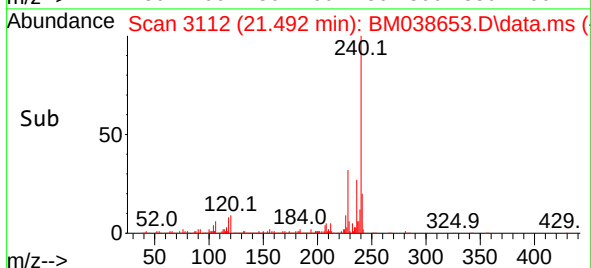
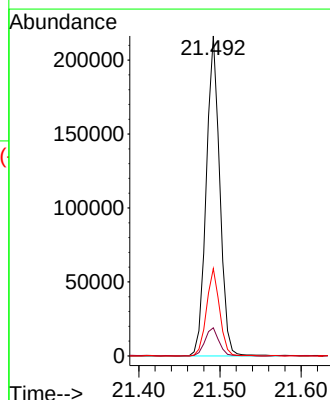
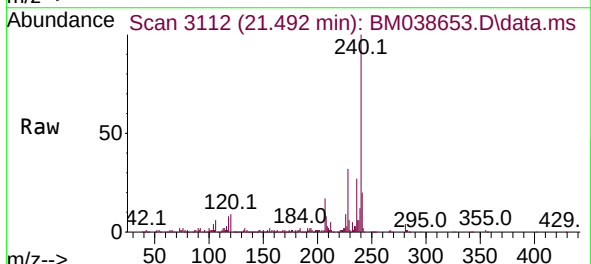
RT: 21.492 min Scan# 3112

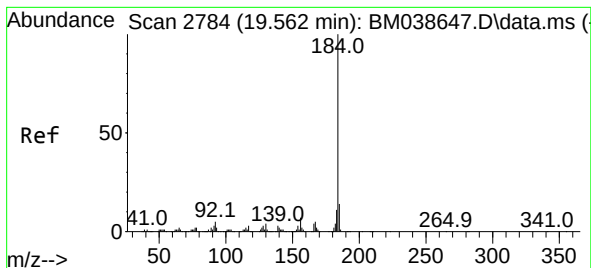
Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Tgt Ion:240 Resp: 250299  
 Ion Ratio Lower Upper  
 240 100  
 120 8.8 7.0 10.4  
 236 27.3 20.9 31.3





#77

Benzidine

Concen: 38.304 ng

RT: 19.562 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038653.D

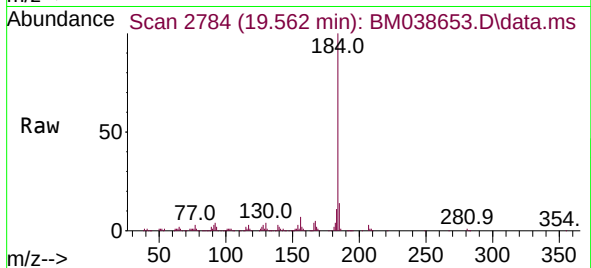
Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

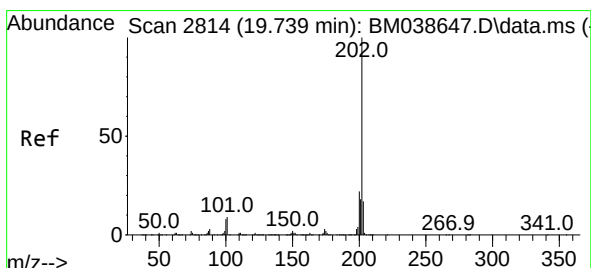
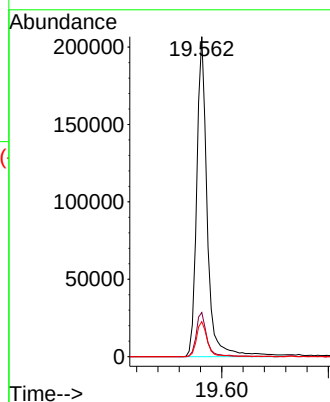
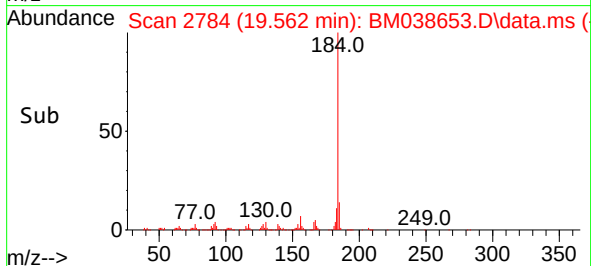


|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 282985   |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 13.8 10.8 16.2 |
| 183         | 10.9 8.8 13.2  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#78

Pyrene

Concen: 41.093 ng

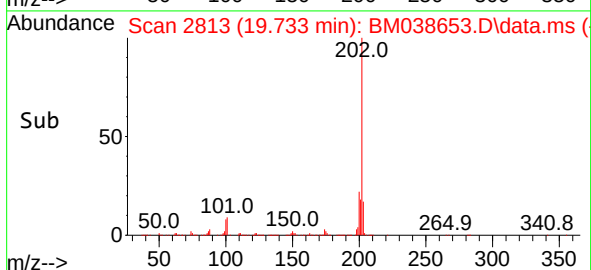
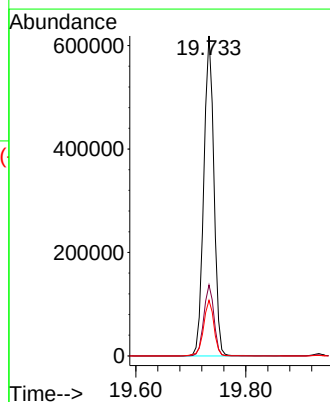
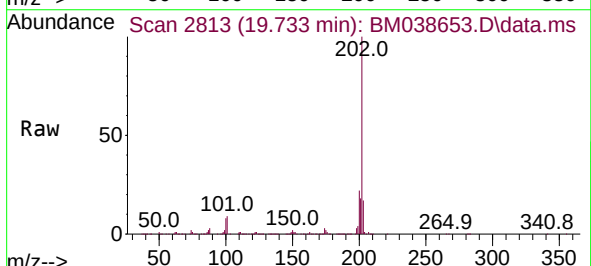
RT: 19.733 min Scan# 2813

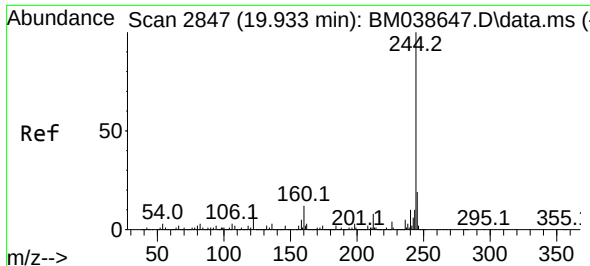
Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

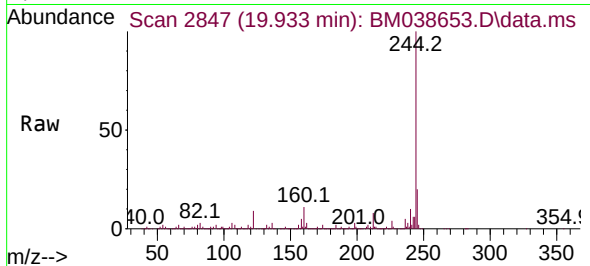
|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 791889   |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 22.2 17.8 26.6 |
| 203         | 17.4 13.5 20.3 |





#79  
 Terphenyl-d14  
 Concen: 87.175 ng  
 RT: 19.933 min Scan# 2847  
 Delta R.T. 0.000 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07

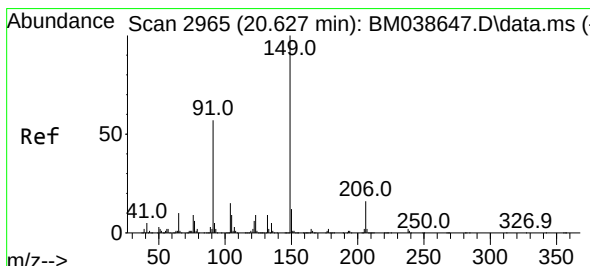
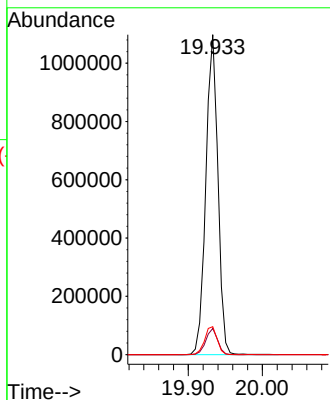
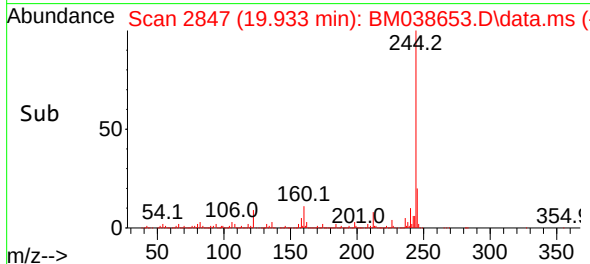
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB150362BS



Tgt Ion:244 Resp: 123648  
 Ion Ratio Lower Upper  
 244 100  
 212 8.2 6.6 9.8  
 122 8.7 7.8 11.8

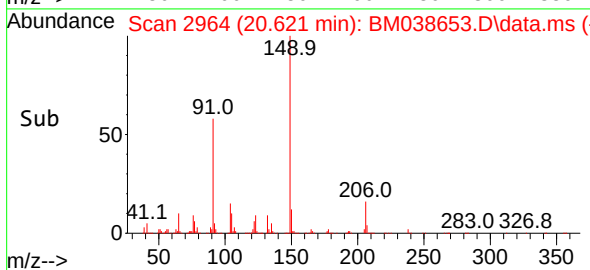
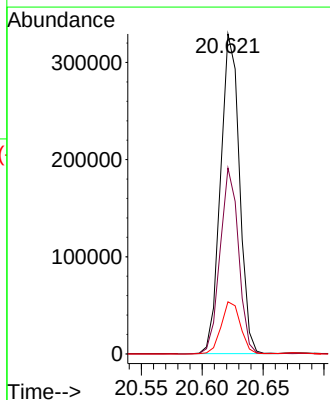
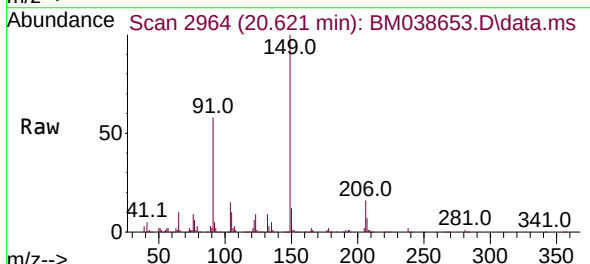
Manual Integrations  
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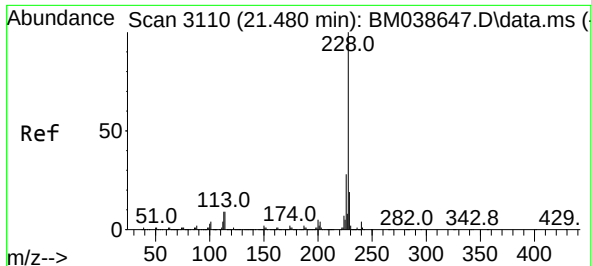
Reviewed By :Christian Giraldo 02/02/2023  
 Supervised By :Jagrut Upadhyay 02/06/2023



#80  
 Butylbenzylphthalate  
 Concen: 37.475 ng  
 RT: 20.621 min Scan# 2964  
 Delta R.T. -0.006 min  
 Lab File: BM038653.D  
 Acq: 01 Feb 2023 22:07

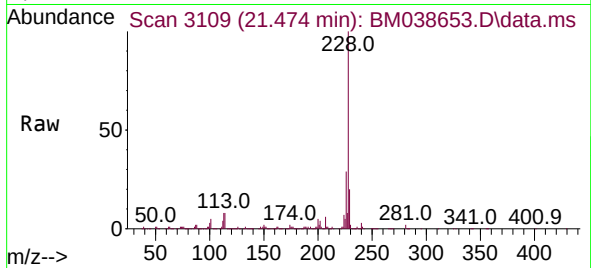
Tgt Ion:149 Resp: 355252  
 Ion Ratio Lower Upper  
 149 100  
 91 58.1 45.6 68.4  
 206 16.3 12.5 18.7





#81  
Benzo(a)anthracene  
Concen: 38.985 ng  
RT: 21.474 min Scan# 3110  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

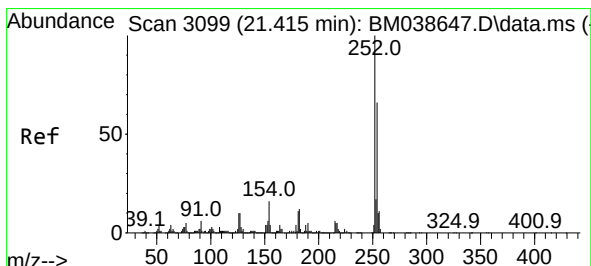
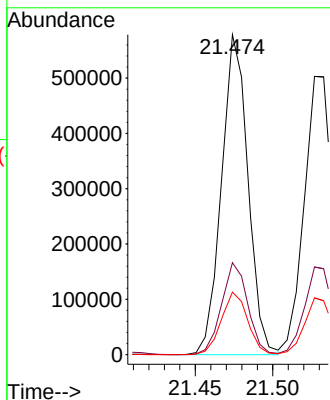
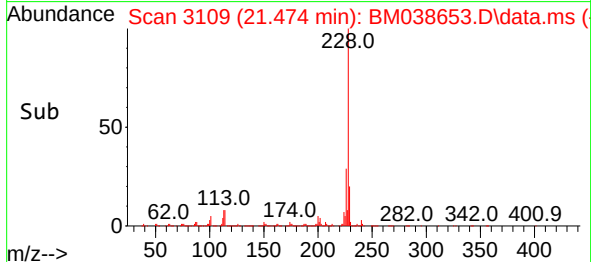
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



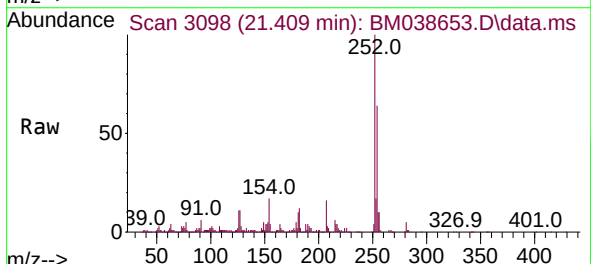
Tgt Ion:228 Resp: 690239  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.2 33.4  
229 19.5 15.5 23.3

Manual Integrations  
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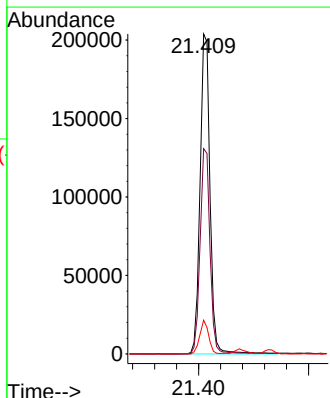
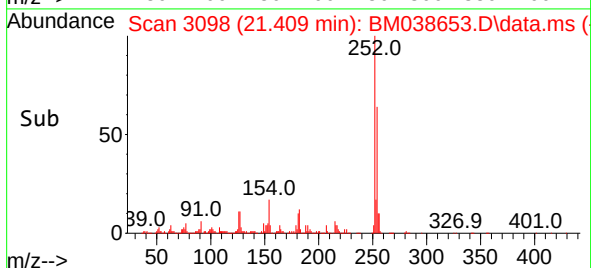
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

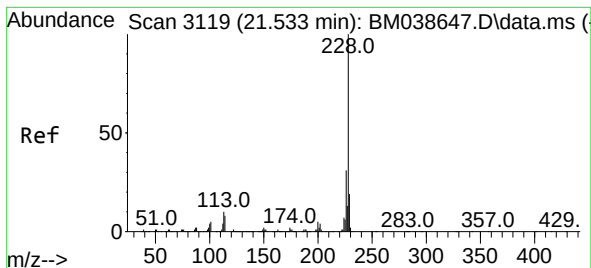


#82  
3,3'-Dichlorobenzidine  
Concen: 41.760 ng  
RT: 21.409 min Scan# 3098  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:252 Resp: 254370  
Ion Ratio Lower Upper  
252 100  
254 64.1 52.8 79.2  
126 10.5 8.2 12.2





#83

Chrysene

Concen: 37.983 ng

RT: 21.527 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

Tgt Ion:228 Resp: 64796

Ion Ratio Lower Upper

228 100

226 31.5 24.7 37.1

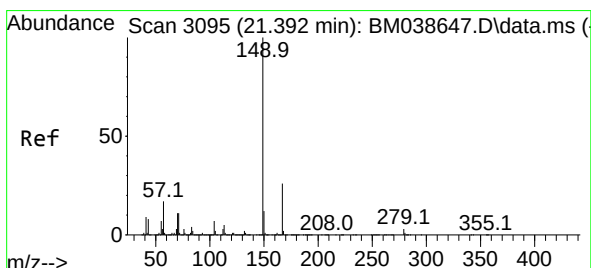
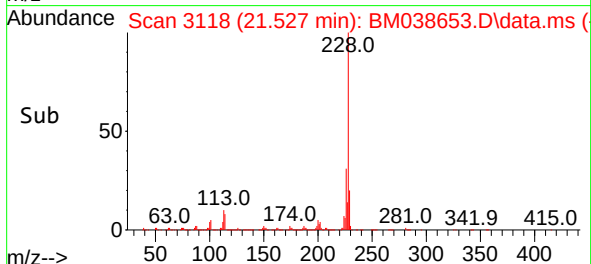
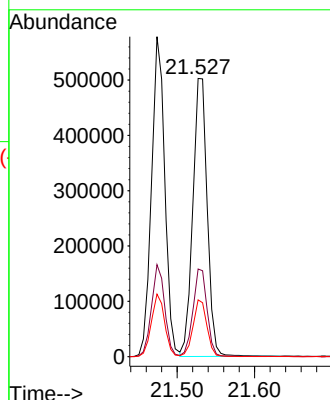
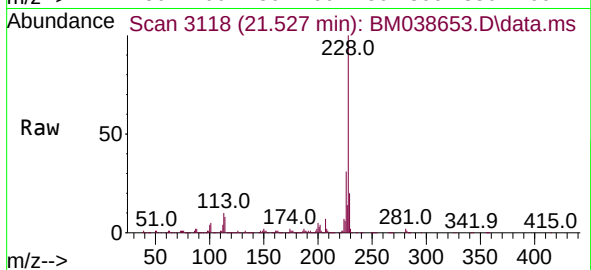
229 20.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.390 ng

RT: 21.392 min Scan# 3095

Delta R.T. -0.000 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

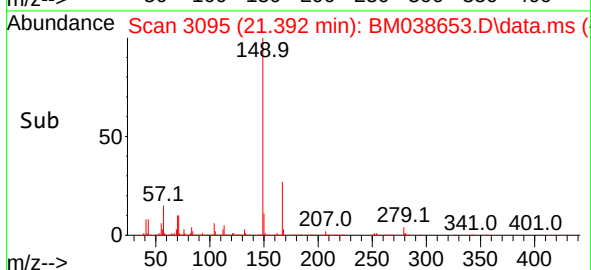
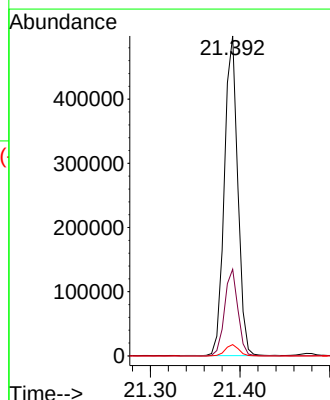
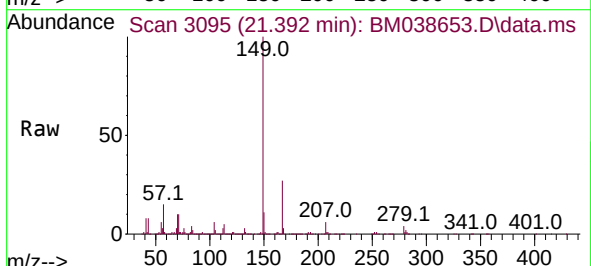
Tgt Ion:149 Resp: 517197

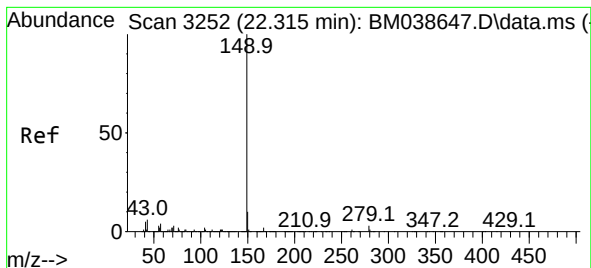
Ion Ratio Lower Upper

149 100

167 27.1 20.8 31.2

279 3.5 2.5 3.7





#85

Di-n-octyl phthalate

Concen: 39.325 ng

RT: 22.309 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

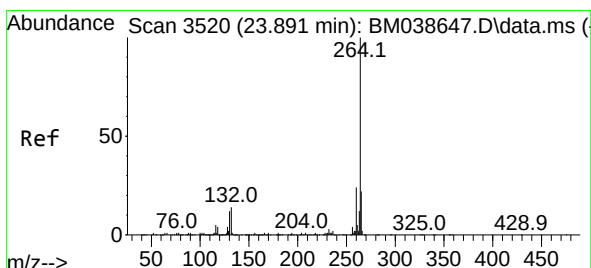
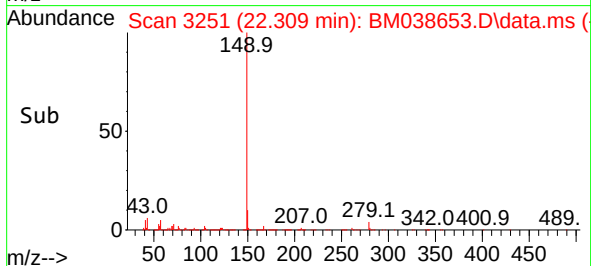
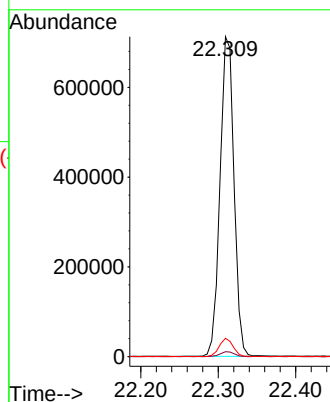
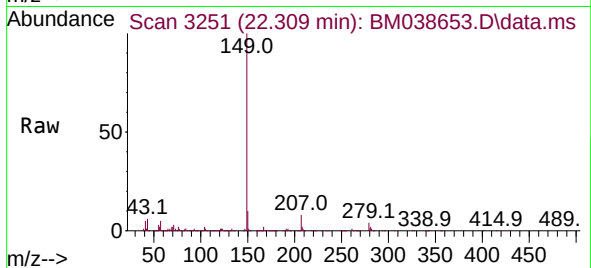
Tgt Ion:149 Resp: 892014

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.3   | 1.9   |
| 43  | 5.6   | 4.6   | 6.8   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.886 min Scan# 3519

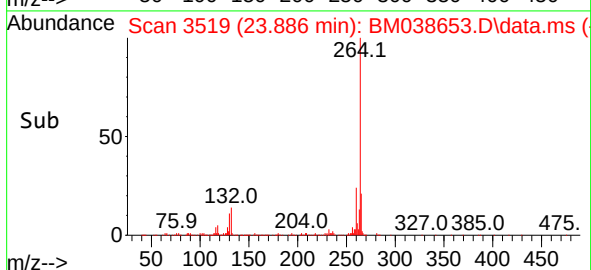
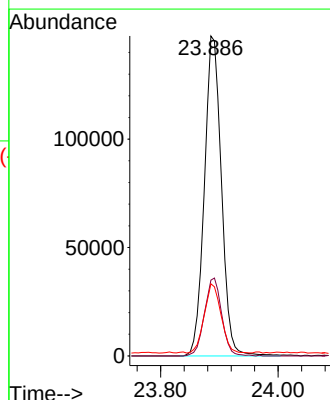
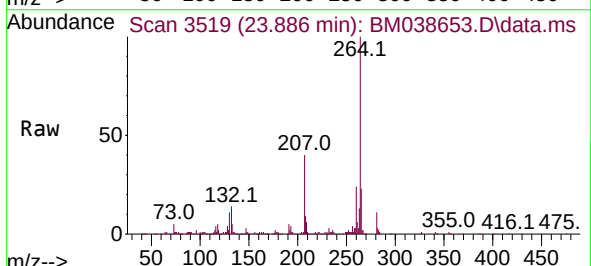
Delta R.T. -0.006 min

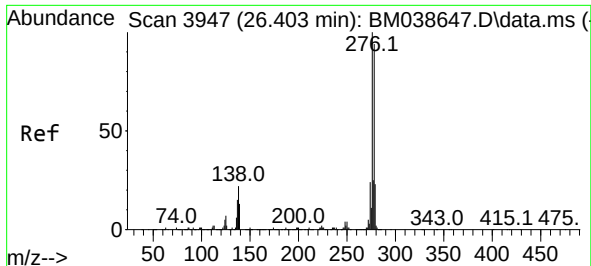
Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Tgt Ion:264 Resp: 297376

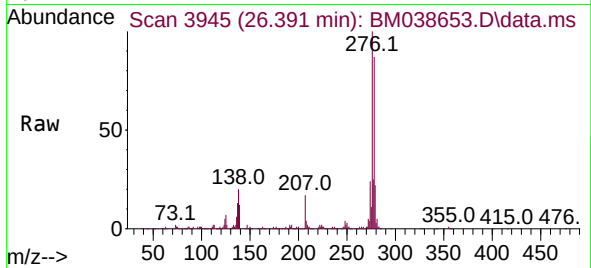
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.6  | 29.4  |
| 265 | 22.5  | 17.9  | 26.9  |





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 46.559 ng  
RT: 26.391 min Scan# 3945  
Delta R.T. -0.012 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

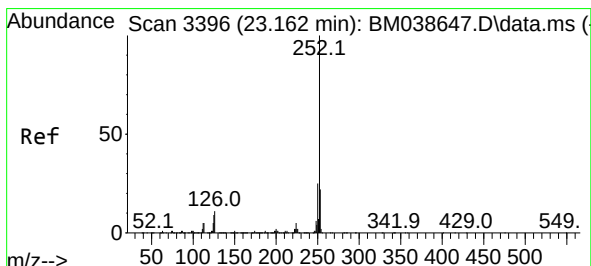
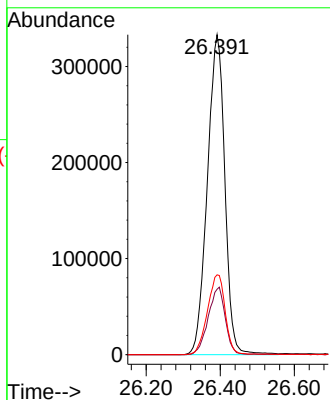
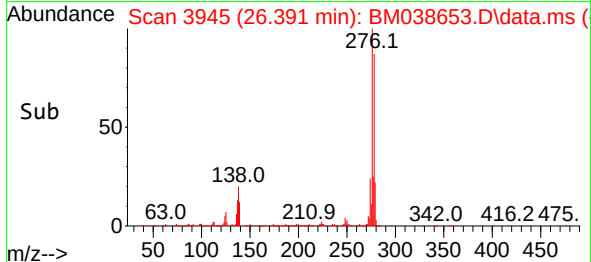
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



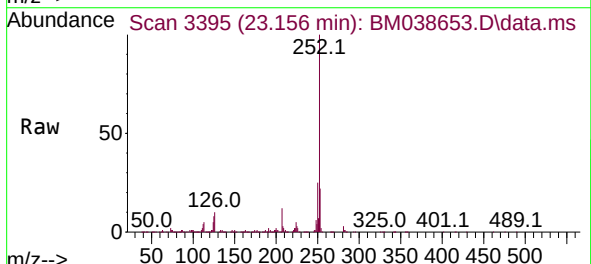
Tgt Ion:276 Resp: 1090572  
Ion Ratio Lower Upper  
276 100  
138 20.5 17.2 25.8  
277 25.2 20.2 30.4

Manual Integrations  
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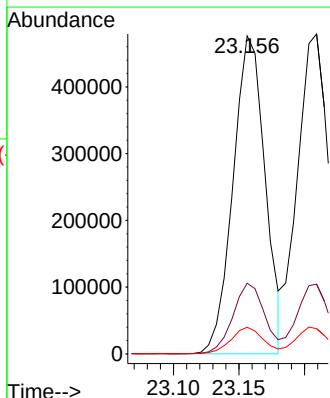
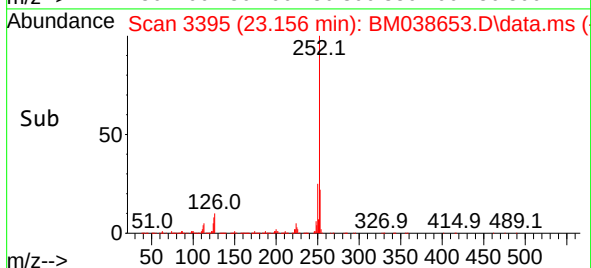
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023

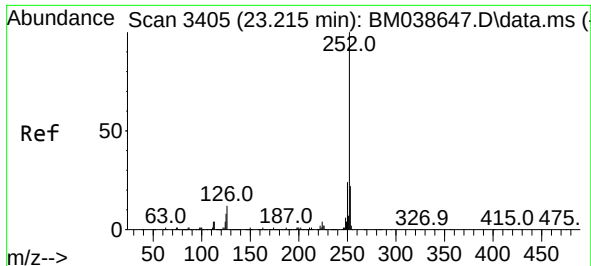


#88  
Benzo(b)fluoranthene  
Concen: 45.399 ng  
RT: 23.156 min Scan# 3395  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



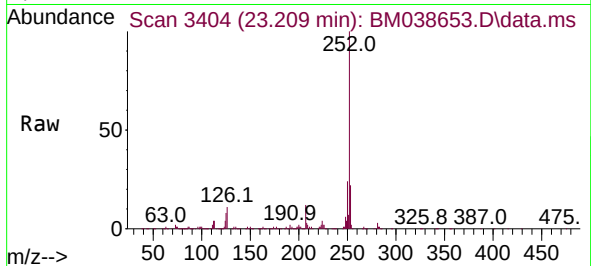
Tgt Ion:252 Resp: 808634  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.4 26.2  
125 8.4 7.0 10.6





#89  
Benzo(k)fluoranthene  
Concen: 45.022 ng  
RT: 23.209 min Scan# 3405  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07

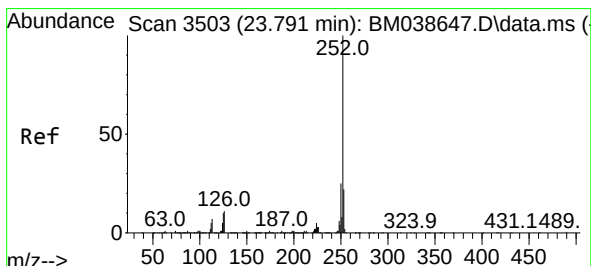
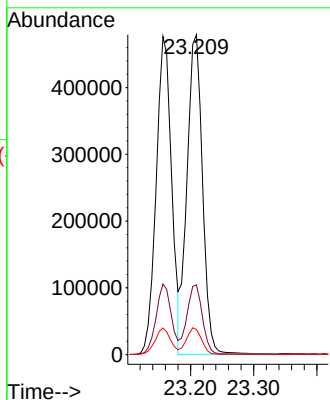
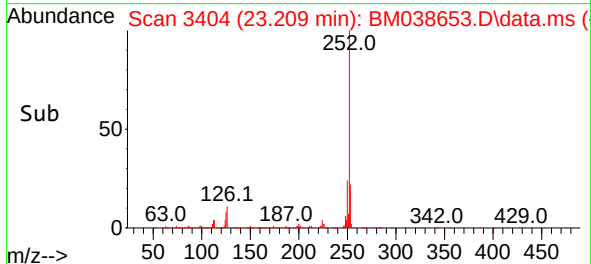
Instrument :  
BNA\_M  
ClientSampleId :  
PB150362BS



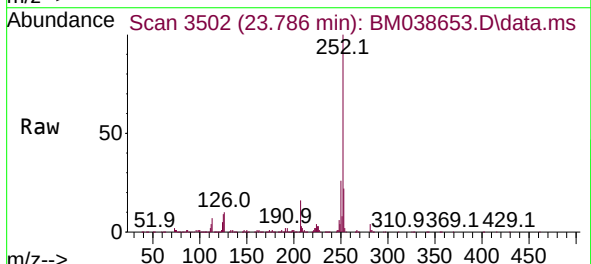
Tgt Ion:252 Resp: 814336  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.4 26.0  
125 7.9 6.6 9.8

Manual Integrations  
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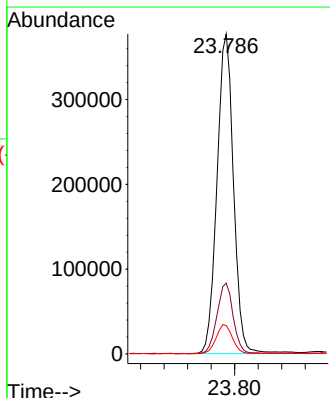
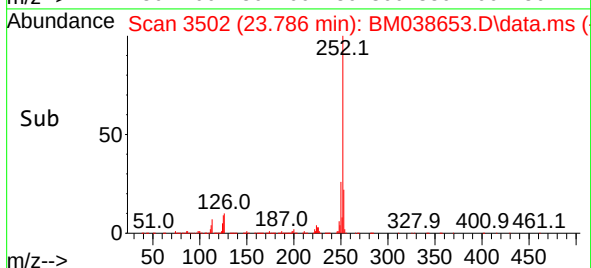
Reviewed By :Christian Giraldo 02/02/2023  
Supervised By :Jagrut Upadhyay 02/06/2023



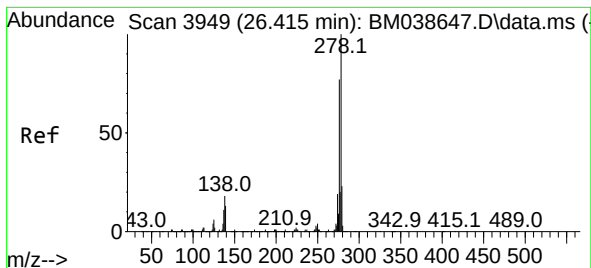
#90  
Benzo(a)pyrene  
Concen: 41.593 ng  
RT: 23.786 min Scan# 3502  
Delta R.T. -0.006 min  
Lab File: BM038653.D  
Acq: 01 Feb 2023 22:07



Tgt Ion:252 Resp: 732629  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.7 26.5  
125 8.8 7.8 11.8







#91

Dibenzo(a,h)anthracene

Concen: 48.120 ng

RT: 26.403 min Scan# 3949

Delta R.T. -0.012 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

Instrument :

BNA\_M

ClientSampleId :

PB150362BS

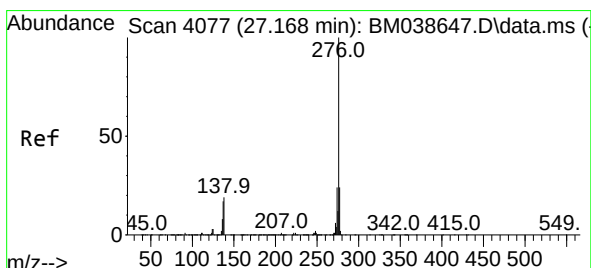
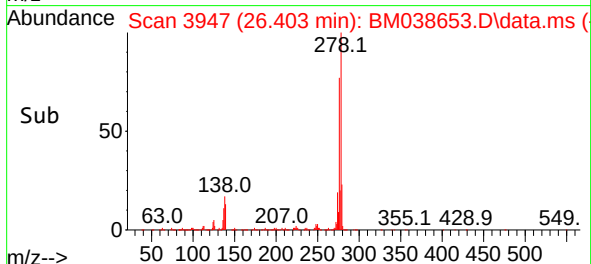
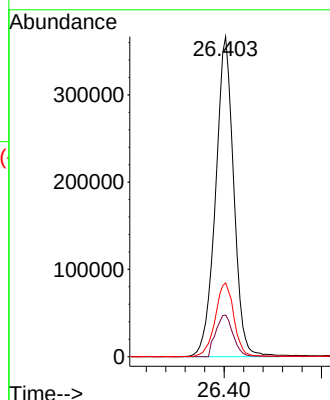
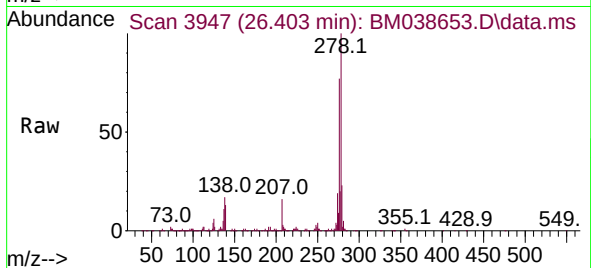
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 948276 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 13.0  | 10.5  | 15.7   |
| 279       | 23.0  | 18.7  | 28.1   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/02/2023

Supervised By :Jagrut Upadhyay 02/06/2023



#92

Benzo(g,h,i)perylene

Concen: 47.542 ng

RT: 27.162 min Scan# 4076

Delta R.T. -0.006 min

Lab File: BM038653.D

Acq: 01 Feb 2023 22:07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 947058 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.9  | 19.1  | 28.7   |
| 138       | 18.1  | 15.3  | 22.9   |

