

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM111422\  
 Data File : BM037503.D  
 Acq On : 14 Nov 2022 15:35  
 Operator : CG/JU  
 Sample : PB148855BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB148855BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/15/2022  
 Supervised By : mohammad ahmed 11/17/2022

Quant Time: Nov 15 00:02:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM111222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 14 01:42:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.792  | 152  | 256249   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.592 | 136  | 1116889  | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.439 | 164  | 681124   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.192 | 188  | 1320037  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.380 | 240  | 1379545  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.715 | 264  | 1271244  | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.369  | 112  | 1424804  | 105.002 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.975  | 99   | 1884942  | 96.549  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.969  | 82   | 1168559  | 54.371  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.939 | 330  | 1470675  | 156.156 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.063 | 172  | 3433541  | 70.059  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.821 | 244  | 7567624  | 109.556 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.240  | 88   | 148213   | 26.429  | ng    | 99       |
| 3) Pyridine                   | 3.651  | 79   | 393717   | 22.781  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.569  | 42   | 220967   | 27.985  | ng    | # 98     |
| 6) Aniline                    | 7.128  | 93   | 651150   | 26.360  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.357  | 128  | 551872   | 30.158  | ng    | 99       |
| 9) Benzaldehyde               | 6.939  | 77   | 111063   | 10.353  | ng    | 99       |
| 10) Phenol                    | 7.004  | 94   | 686575   | 30.875  | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.228  | 93   | 508751   | 28.259  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 7.681  | 146  | 550716   | 28.072  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.828  | 146  | 567556   | 27.992  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.139  | 146  | 559947   | 28.063  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.051  | 79   | 478036   | 31.706  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.333  | 45   | 734598   | 28.031  | ng    | 99       |
| 17) 2-Methylphenol            | 8.251  | 107  | 464724   | 29.445  | ng    | 99       |
| 18) Hexachloroethane          | 8.863  | 117  | 219091   | 28.845  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.610  | 70   | 432133   | 28.031  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.581  | 107  | 666263   | 30.075  | ng    | 99       |
| 22) Acetophenone              | 8.628  | 105  | 822428   | 28.473  | ng    | # 99     |
| 24) Nitrobenzene              | 9.010  | 77   | 612243   | 27.616  | ng    | 100      |
| 25) Isophorone                | 9.533  | 82   | 1294497  | 32.647  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.716  | 139  | 293441   | 28.377  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 9.780  | 122  | 588176   | 39.595  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.022 | 93   | 721522   | 31.552  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.251 | 162  | 593972   | 33.261  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.457 | 180  | 522025   | 26.905  | ng    | 99       |
| 31) Naphthalene               | 10.645 | 128  | 1674622  | 26.465  | ng    | 99       |
| 32) Benzoic acid              | 9.963  | 122  | 554444   | 38.780  | ng    | 99       |
| 33) 4-Chloroaniline           | 10.775 | 127  | 586752   | 22.957  | ng    | 100      |
| 34) Hexachlorobutadiene       | 10.916 | 225  | 301099   | 26.639  | ng    | 98       |
| 35) Caprolactam               | 11.592 | 113  | 270319m  | 43.186  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.904 | 107  | 810908   | 41.820  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 12.257 | 142  | 1320546  | 29.654  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.480 | 142  | 1291377  | 29.174  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.627 | 216  | 687448   | 34.736  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.598 | 237  | 731783   | 73.775  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.874 | 196  | 614315   | 42.810  | ng    | 98       |

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Instrument :  
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Manual Integrations  
 APPROVED

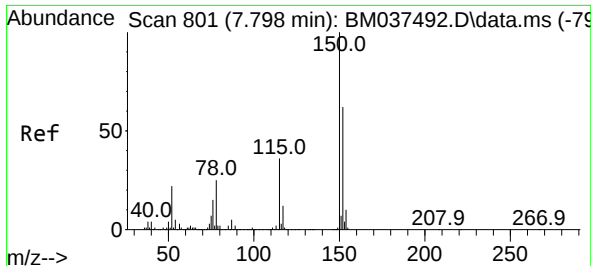
Reviewed By : Christian Giraldo 11/15/2022  
 Supervised By : mohammad ahmed 11/17/2022

Quant Time: Nov 15 00:02:30 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM111222.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 14 01:42:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.951 | 196  | 712633   | 44.852  | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.274 | 154  | 1996895  | 37.860  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.316 | 162  | 1532011  | 36.117  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.539 | 65   | 584321   | 44.728  | ng    | 99       |
| 49) Acenaphthylene            | 14.163 | 152  | 2759151  | 40.611  | ng    | 100      |
| 50) Dimethylphthalate         | 13.915 | 163  | 2381730  | 43.688  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.039 | 165  | 530609   | 45.297  | ng    | 99       |
| 52) Acenaphthene              | 14.510 | 154  | 1665359  | 40.157  | ng    | 100      |
| 53) 3-Nitroaniline            | 14.368 | 138  | 417559   | 31.165  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.580 | 184  | 707250   | 86.943  | ng    | 97       |
| 55) Dibenzofuran              | 14.845 | 168  | 2753181  | 41.516  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.692 | 139  | 1004302  | 86.962  | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 759657   | 46.845  | ng    | 99       |
| 58) Fluorene                  | 15.492 | 166  | 2404913  | 42.764  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.074 | 232  | 644811   | 44.488  | ng    | 99       |
| 60) Diethylphthalate          | 15.274 | 149  | 2440504  | 43.903  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.486 | 204  | 1162158  | 44.225  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.539 | 138  | 521052   | 39.639  | ng    | 98       |
| 63) Azobenzene                | 15.780 | 77   | 2277149  | 43.774  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.592 | 198  | 414257   | 46.544  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.709 | 169  | 2068120  | 48.836  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.380 | 248  | 714173   | 48.338  | ng    | 97       |
| 68) Hexachlorobenzene         | 16.492 | 284  | 886167   | 48.072  | ng    | 97       |
| 69) Atrazine                  | 16.668 | 200  | 622292   | 52.804  | ng    | 99       |
| 70) Pentachlorophenol         | 16.845 | 266  | 1188588  | 109.519 | ng    | 99       |
| 71) Phenanthrene              | 17.233 | 178  | 3749797  | 46.275  | ng    | 100      |
| 72) Anthracene                | 17.321 | 178  | 3787319  | 48.740  | ng    | 100      |
| 73) Carbazole                 | 17.603 | 167  | 3520599  | 48.458  | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.162 | 149  | 4253774  | 43.992  | ng    | 100      |
| 75) Fluoranthene              | 19.250 | 202  | 4361423  | 45.155  | ng    | 99       |
| 77) Benzidine                 | 19.450 | 184  | 1776222  | 76.582  | ng    | 99       |
| 78) Pyrene                    | 19.615 | 202  | 4611746  | 50.974  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.515 | 149  | 1963505  | 50.483  | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.362 | 228  | 4568425  | 47.242  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.303 | 252  | 1392368  | 44.314  | ng    | 100      |
| 83) Chrysene                  | 21.415 | 228  | 4279626  | 45.839  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.291 | 149  | 2957700  | 51.616  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.197 | 149  | 4770532  | 48.512  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.132 | 276  | 4586649  | 43.685  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.003 | 252  | 4481146  | 52.571  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.050 | 252  | 4516784  | 52.245  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.615 | 252  | 3783343  | 53.265  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.144 | 278  | 3954496  | 45.470  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 26.873 | 276  | 3660180  | 43.495  | ng    | 100      |

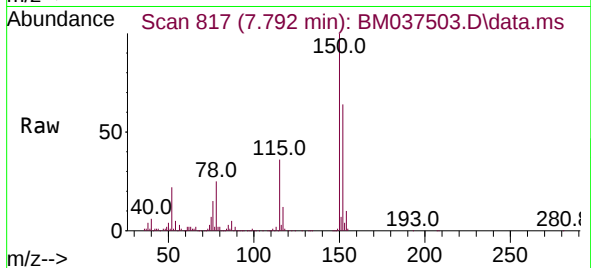
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.792 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

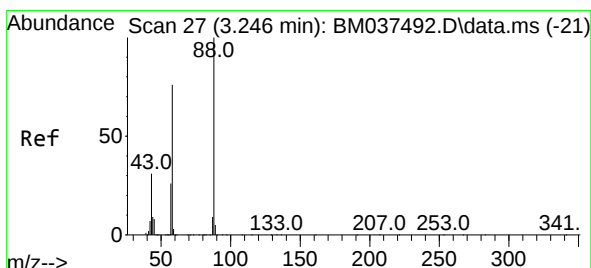
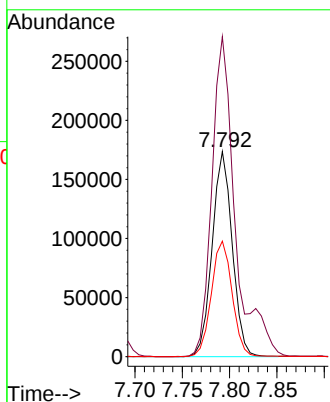
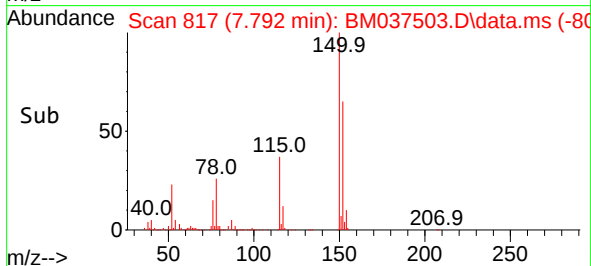
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:152 Resp: 256249  
Ion Ratio Lower Upper  
152 100  
150 156.1 129.8 194.6  
115 56.3 46.6 69.8

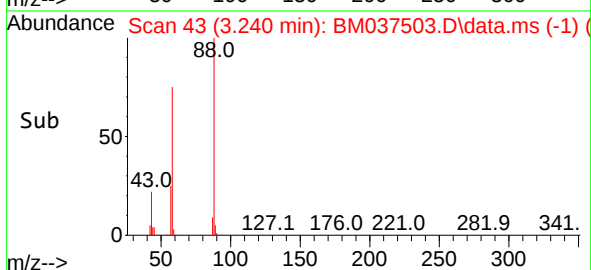
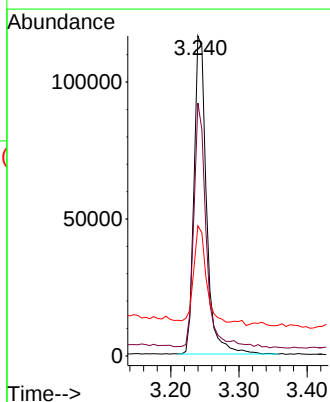
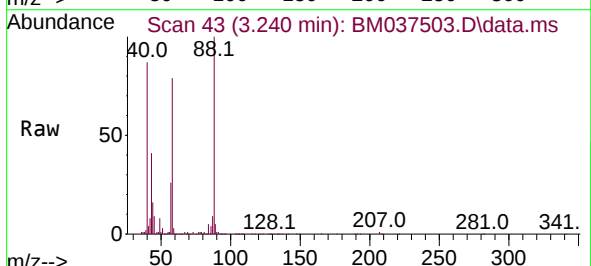
Manual Integrations  
APPROVED

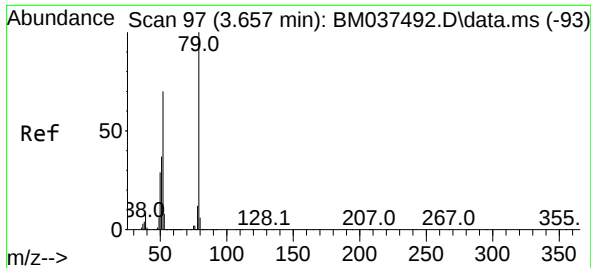
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#2  
1,4-Dioxane  
Concen: 26.429 ng  
RT: 3.240 min Scan# 43  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

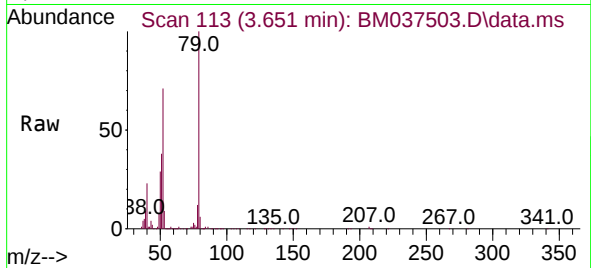
Tgt Ion: 88 Resp: 148213  
Ion Ratio Lower Upper  
88 100  
58 76.7 61.6 92.4  
43 29.1 24.6 37.0





#3  
 Pyridine  
 Concen: 22.781 ng  
 RT: 3.651 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BM037503.D  
 Acq: 14 Nov 2022 15:35

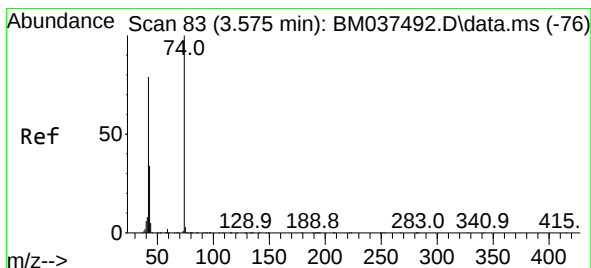
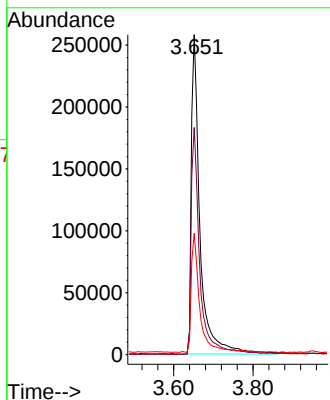
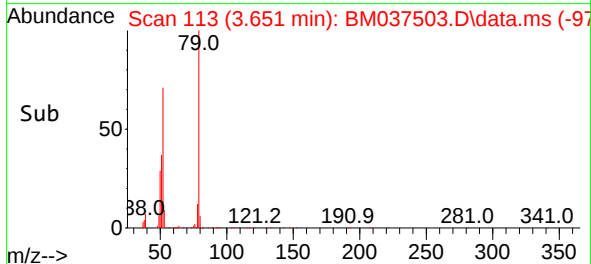
Instrument :  
 BNA\_M  
 ClientSampleId :  
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Tgt Ion: 79 Resp: 39371  
 Ion Ratio Lower Upper  
 79 100  
 52 71.0 56.3 84.5  
 51 37.9 30.1 45.1

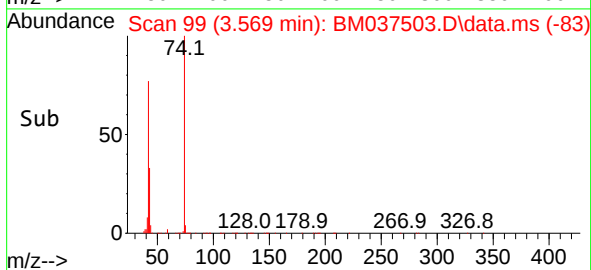
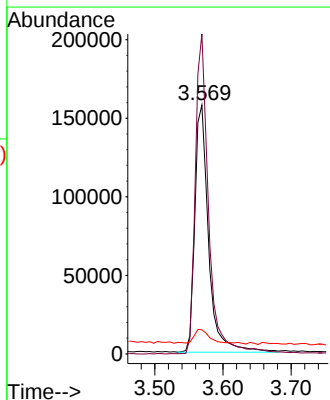
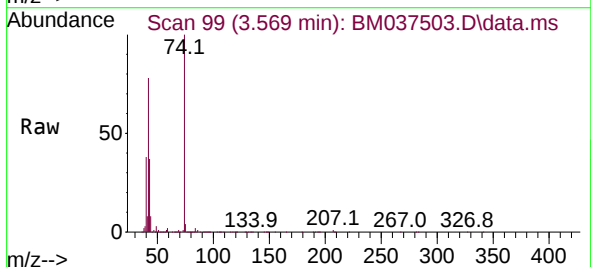
Manual Integrations  
 APPROVED

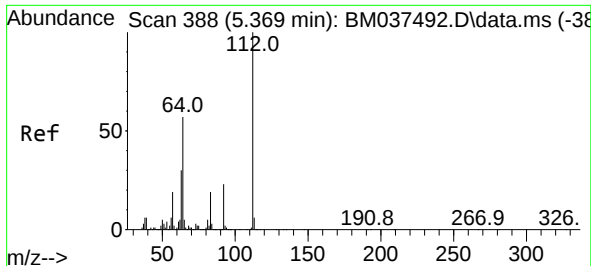
Reviewed By :Christian Giraldo 11/15/2022  
 Supervised By :mohammad ahmed 11/17/2022



#4  
 n-Nitrosodimethylamine  
 Concen: 27.985 ng  
 RT: 3.569 min Scan# 99  
 Delta R.T. -0.006 min  
 Lab File: BM037503.D  
 Acq: 14 Nov 2022 15:35

Tgt Ion: 42 Resp: 220967  
 Ion Ratio Lower Upper  
 42 100  
 74 128.6 100.9 151.3  
 44 9.7 5.7 8.5





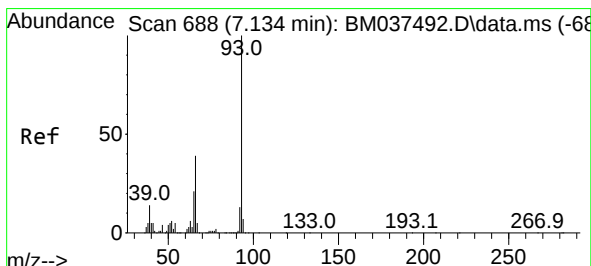
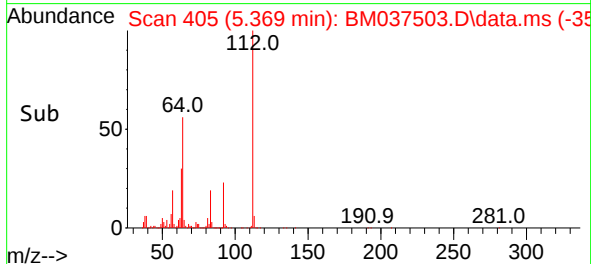
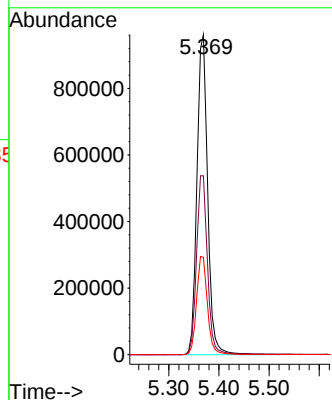
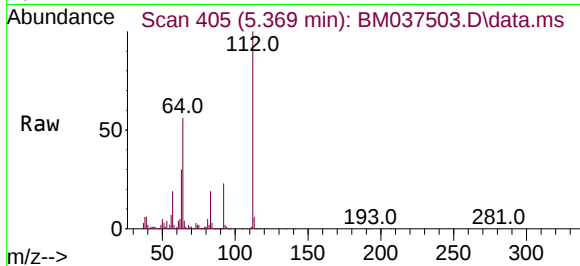
#5  
2-Fluorophenol  
Concen: 105.002 ng  
RT: 5.369 min Scan# 405  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
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PB148855BS

Tgt Ion: 112 Resp: 1424804  
Ion Ratio Lower Upper  
112 100  
64 55.9 45.9 68.9  
63 30.4 24.2 36.4

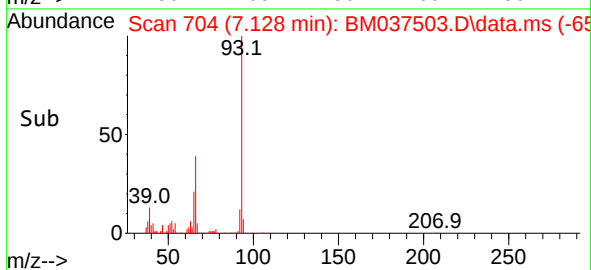
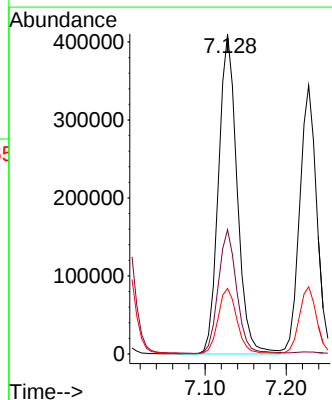
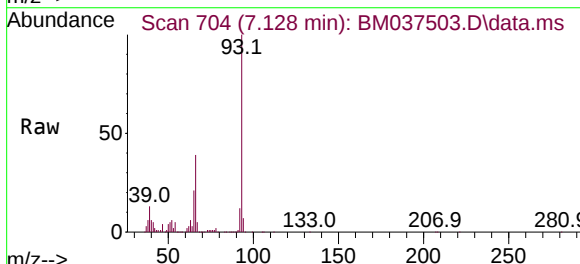
Manual Integrations  
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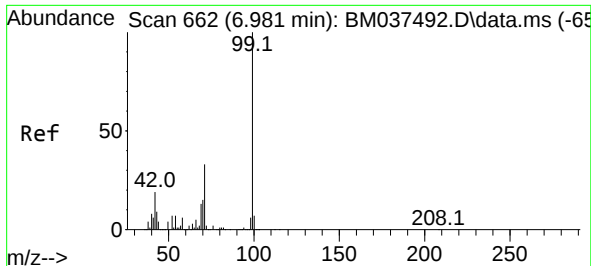
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#6  
Aniline  
Concen: 26.360 ng  
RT: 7.128 min Scan# 704  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion: 93 Resp: 651150  
Ion Ratio Lower Upper  
93 100  
66 38.8 31.6 47.4  
65 20.5 16.9 25.3





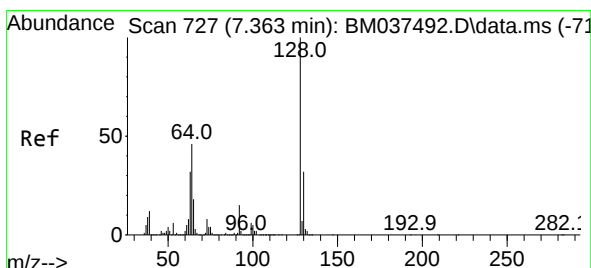
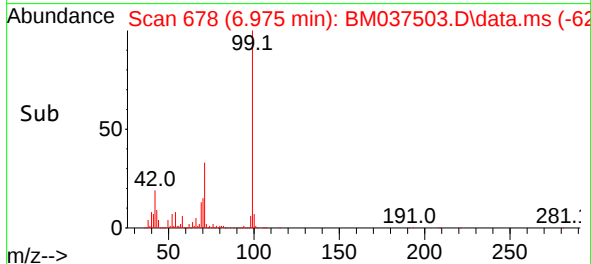
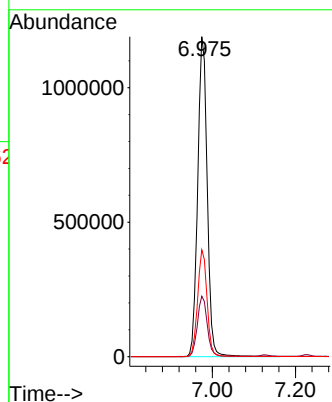
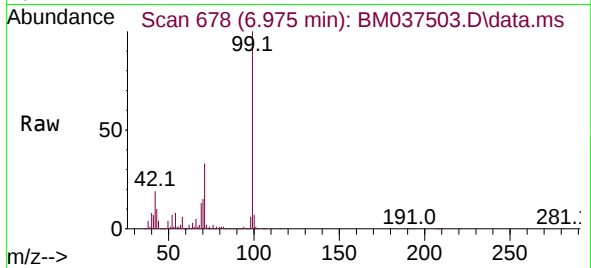
#7  
Phenol-d6  
Concen: 96.549 ng  
RT: 6.975 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion: 99 Resp: 1884942  
Ion Ratio Lower Upper  
99 100  
42 18.9 15.0 22.6  
71 33.4 26.2 39.2

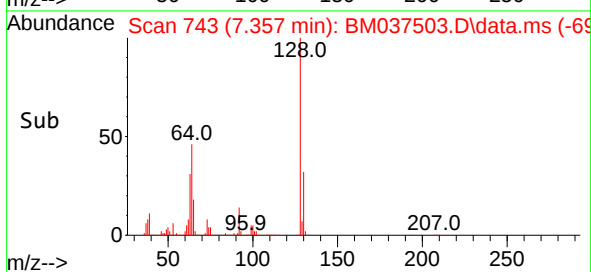
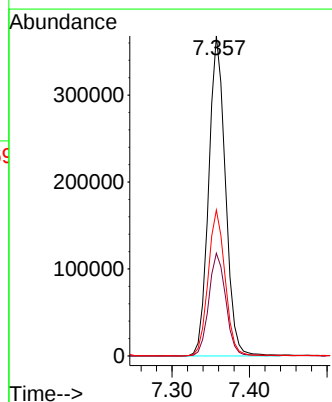
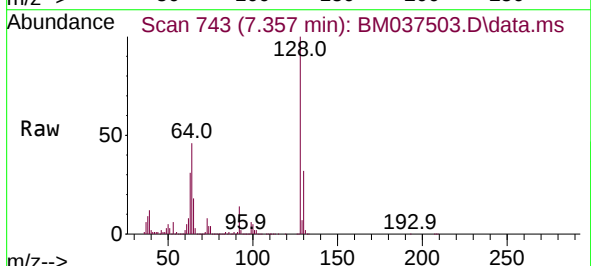
Manual Integrations  
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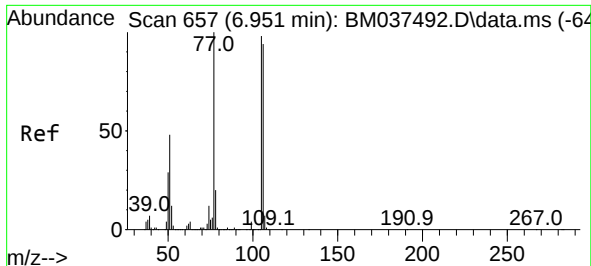
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#8  
2-Chlorophenol  
Concen: 30.158 ng  
RT: 7.357 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:128 Resp: 551872  
Ion Ratio Lower Upper  
128 100  
130 32.1 12.3 52.3  
64 45.6 26.7 66.7





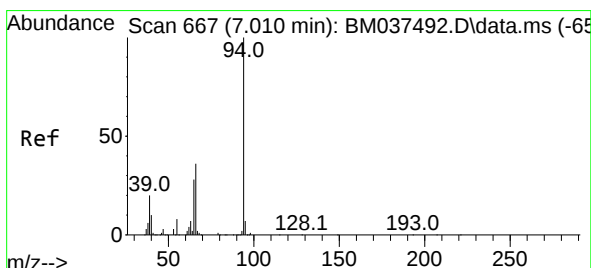
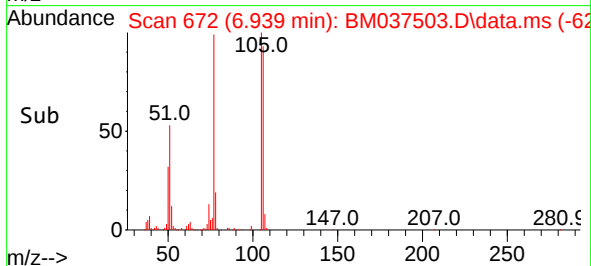
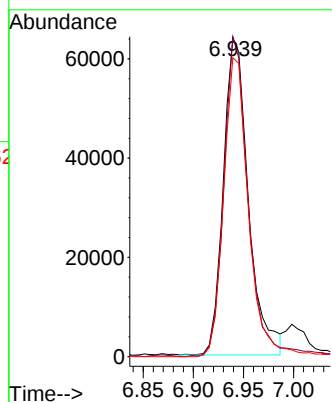
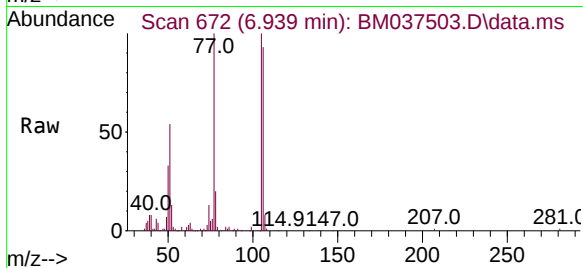
#9  
Benzaldehyde  
Concen: 10.353 ng  
RT: 6.939 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion: 77 Resp: 111063  
Ion Ratio Lower Upper  
77 100  
105 100.3 77.8 117.8  
106 93.7 73.8 113.8

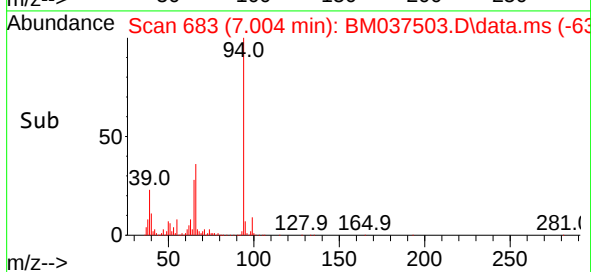
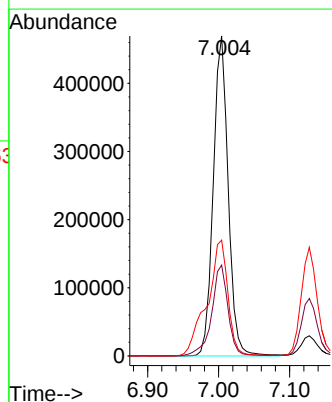
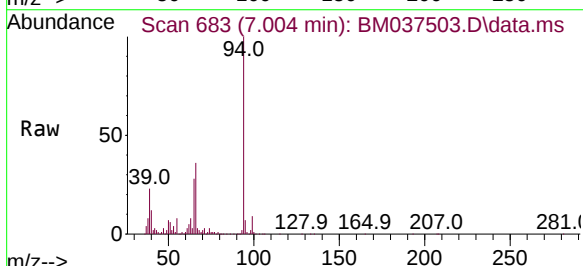
Manual Integrations  
APPROVED

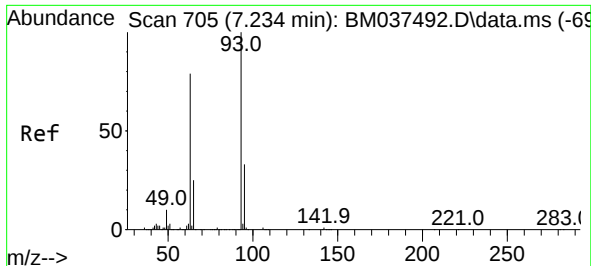
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#10  
Phenol  
Concen: 30.875 ng  
RT: 7.004 min Scan# 683  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion: 94 Resp: 686575  
Ion Ratio Lower Upper  
94 100  
65 28.4 8.6 48.6  
66 36.2 16.5 56.5





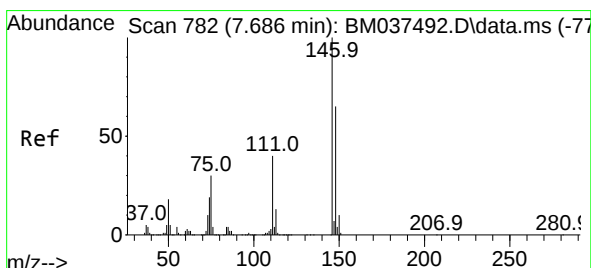
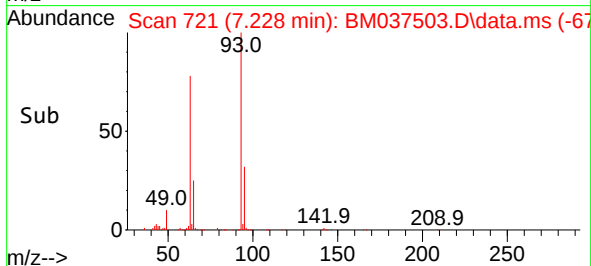
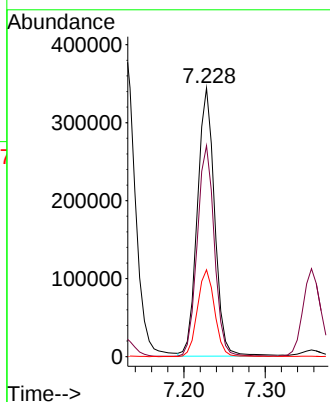
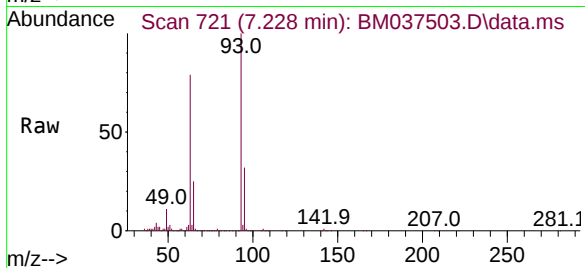
#11  
bis(2-Chloroethyl)ether  
Concen: 28.259 ng  
RT: 7.228 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion: 93 Resp: 50875  
Ion Ratio Lower Upper  
93 100  
63 78.6 58.3 98.3  
95 32.3 12.6 52.6

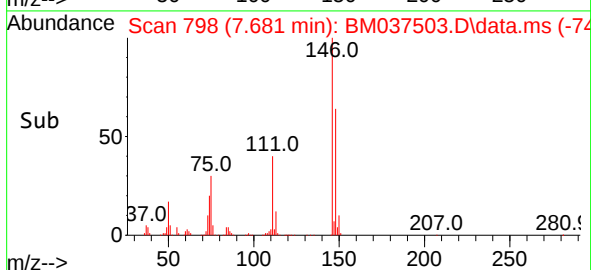
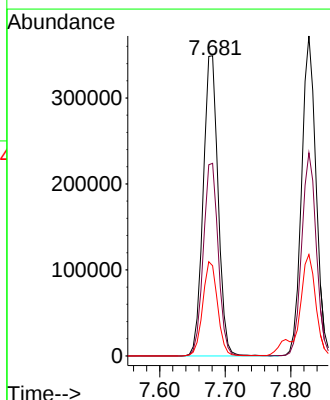
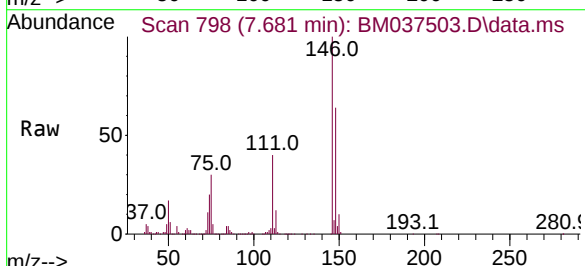
Manual Integrations  
APPROVED

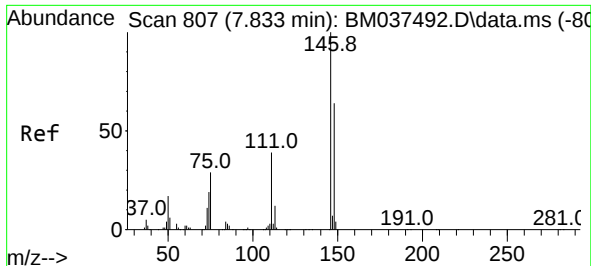
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#12  
1,3-Dichlorobenzene  
Concen: 28.072 ng  
RT: 7.681 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:146 Resp: 550716  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.7 77.5  
75 30.1 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 27.992 ng

RT: 7.828 min Scan# 811

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

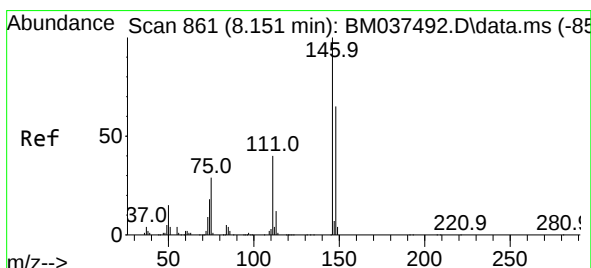
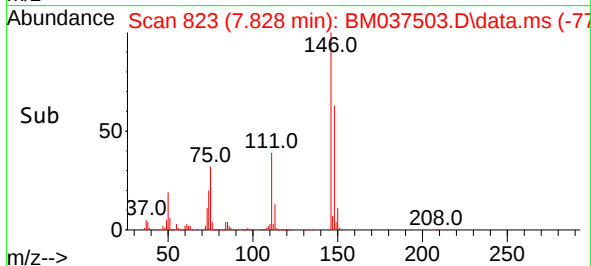
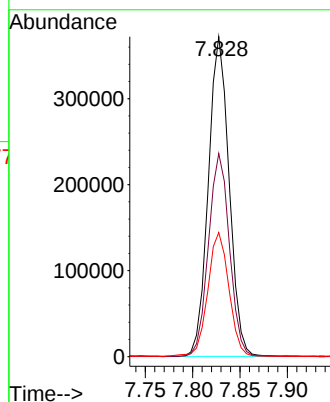
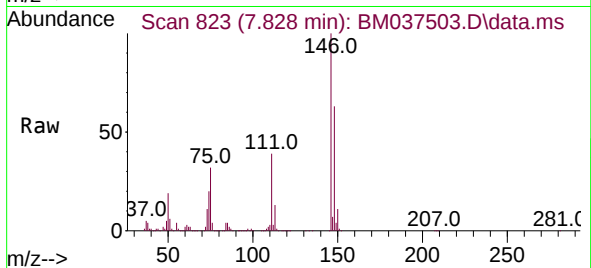
PB148855BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 567556 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.5  | 51.6  | 77.4   |
| 111       | 38.8  | 31.8  | 47.8   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#14

1,2-Dichlorobenzene

Concen: 28.063 ng

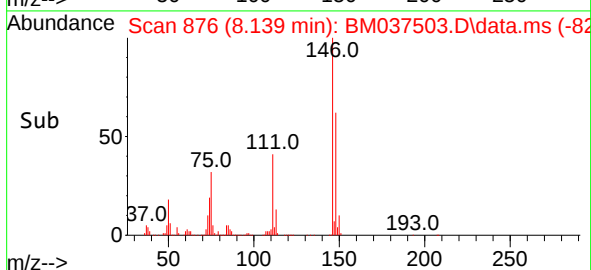
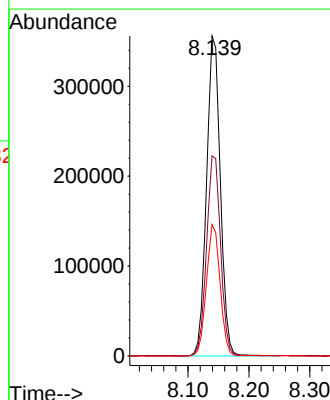
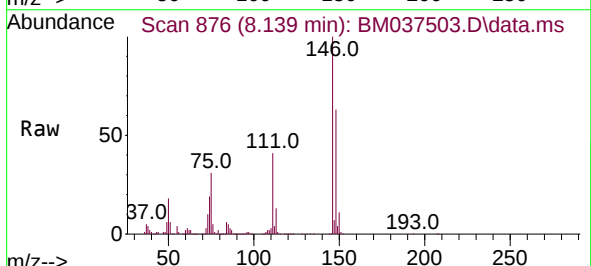
RT: 8.139 min Scan# 876

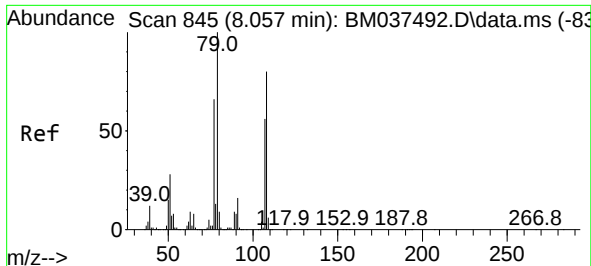
Delta R.T. -0.012 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 559947 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.5  | 51.7  | 77.5   |
| 111       | 41.0  | 31.9  | 47.9   |





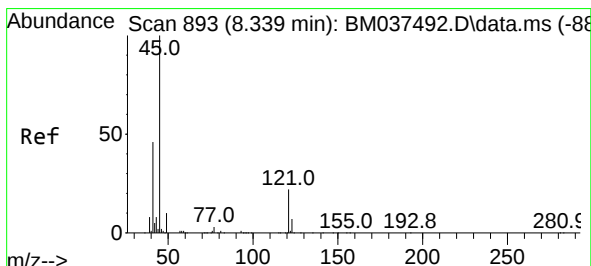
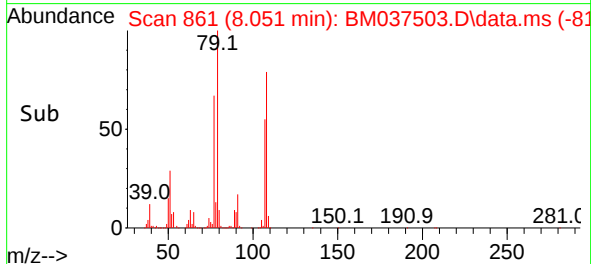
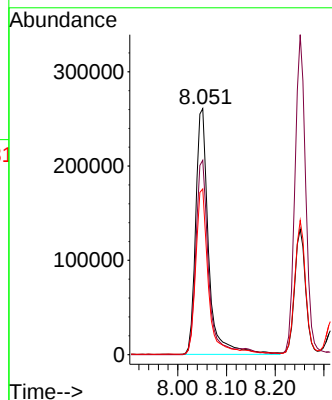
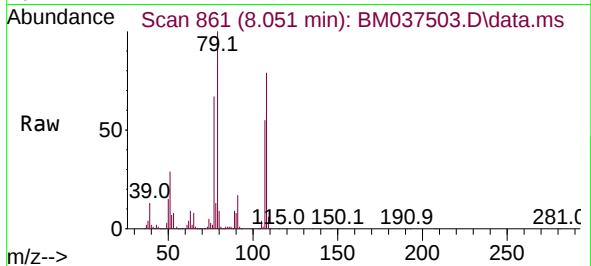
#15  
Benzyl Alcohol  
Concen: 31.706 ng  
RT: 8.051 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion: 79 Resp: 478036  
Ion Ratio Lower Upper  
79 100  
108 79.0 63.7 95.5  
77 67.4 52.7 79.1

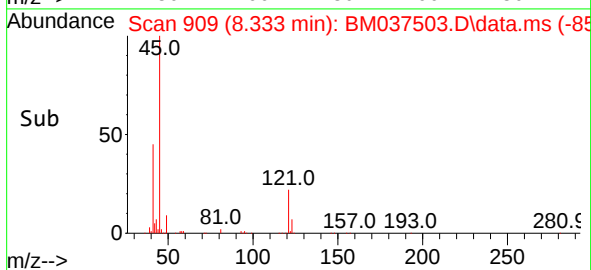
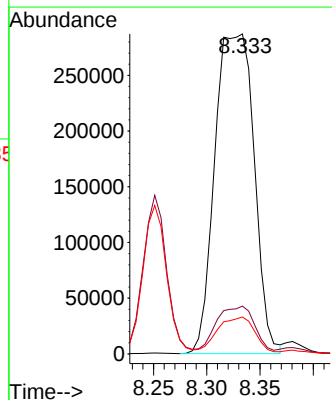
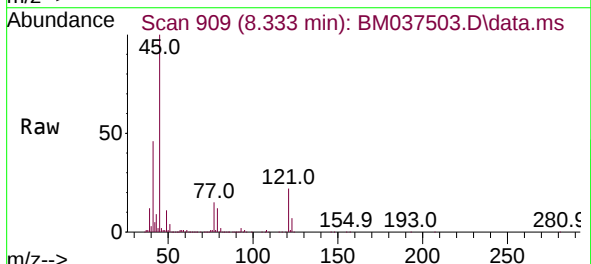
Manual Integrations  
APPROVED

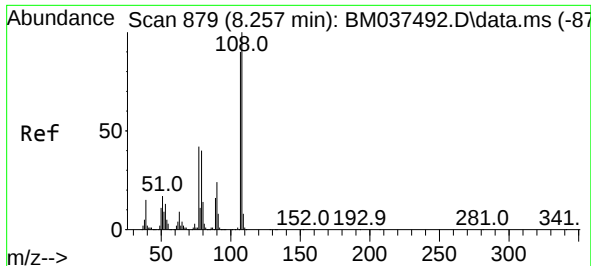
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 28.031 ng  
RT: 8.333 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion: 45 Resp: 734598  
Ion Ratio Lower Upper  
45 100  
77 14.9 0.0 34.3  
79 11.5 0.0 31.1





#17

2-Methylphenol

Concen: 29.445 ng

RT: 8.251 min Scan# 895

Delta R.T. -0.006 min

Lab File: BM037503.D

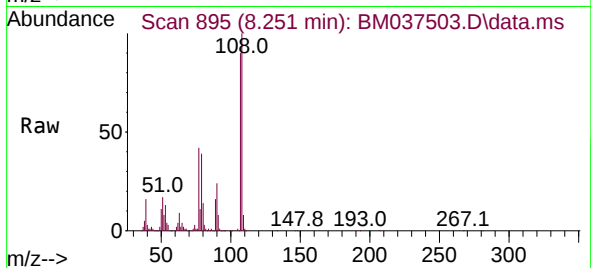
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS



Tgt Ion:107 Resp: 464724

Ion Ratio Lower Upper

107 100

108 111.2 88.7 133.1

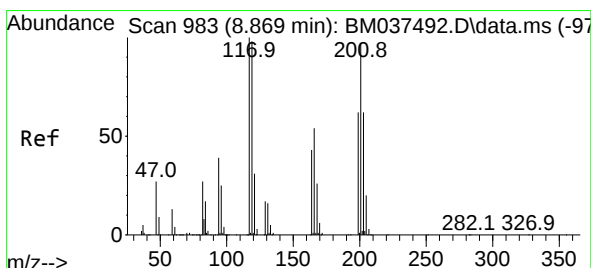
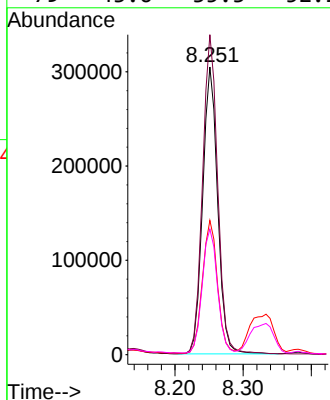
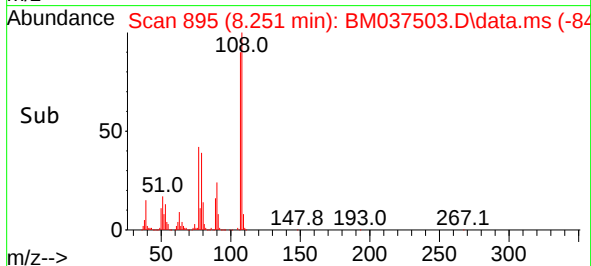
77 46.7 37.8 56.6

79 43.6 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#18

Hexachloroethane

Concen: 28.845 ng

RT: 8.863 min Scan# 999

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

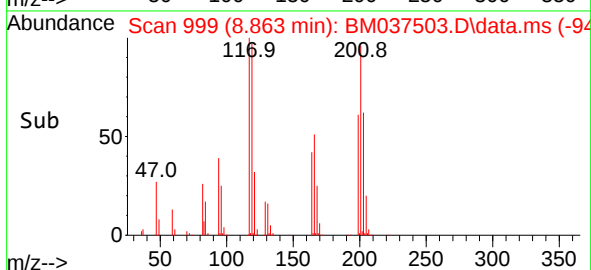
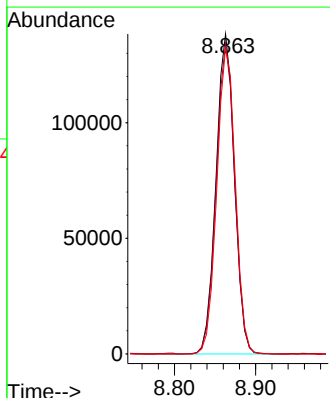
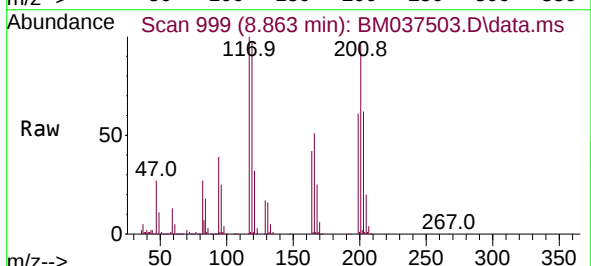
Tgt Ion:117 Resp: 219091

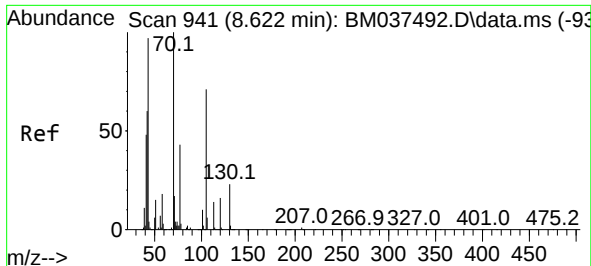
Ion Ratio Lower Upper

117 100

119 97.1 78.5 117.7

201 95.6 77.2 115.8





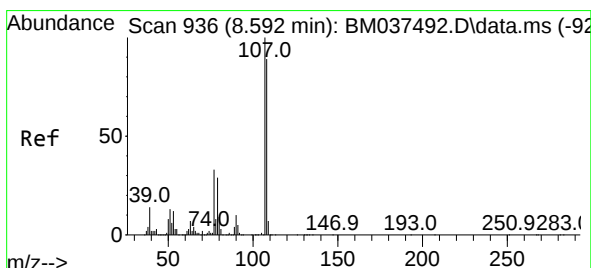
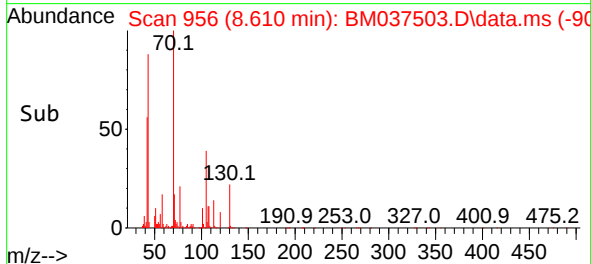
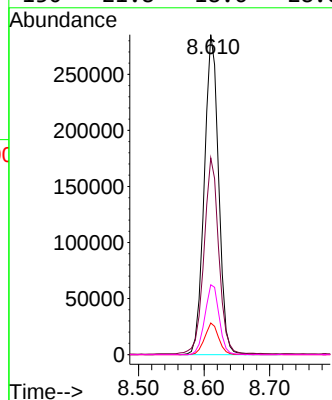
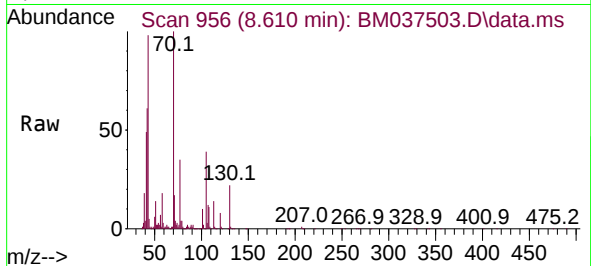
#19  
n-Nitroso-di-n-propylamine  
Concen: 28.031 ng  
RT: 8.610 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion: 70 Resp: 432133  
Ion Ratio Lower Upper  
70 100  
42 61.5 48.5 72.7  
101 9.9 7.8 11.6  
130 21.8 18.6 28.0

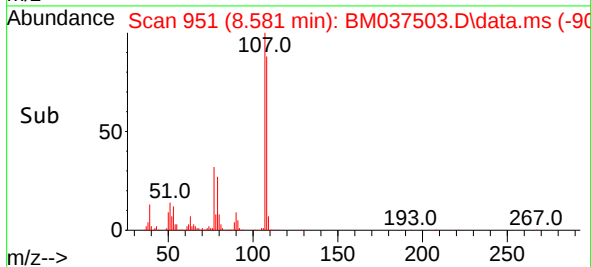
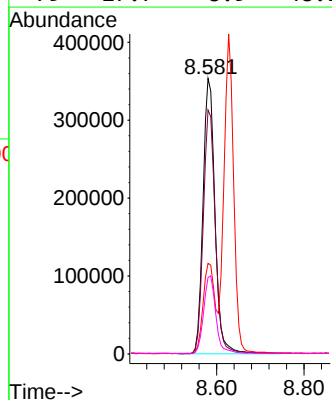
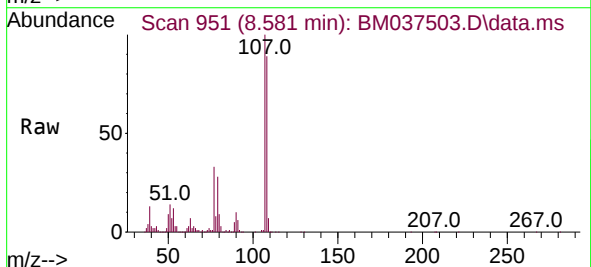
Manual Integrations  
APPROVED

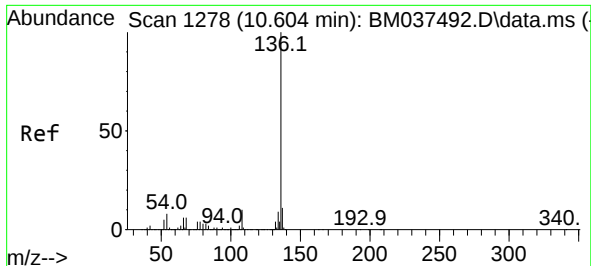
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#20  
3+4-Methylphenols  
Concen: 30.075 ng  
RT: 8.581 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:107 Resp: 666263  
Ion Ratio Lower Upper  
107 100  
108 88.6 69.2 109.2  
77 32.9 12.8 52.8  
79 27.7 8.9 48.9





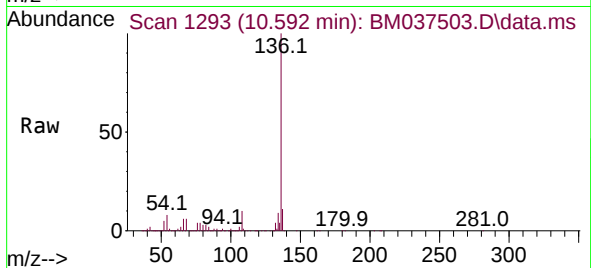
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.592 min Scan# 1116889  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

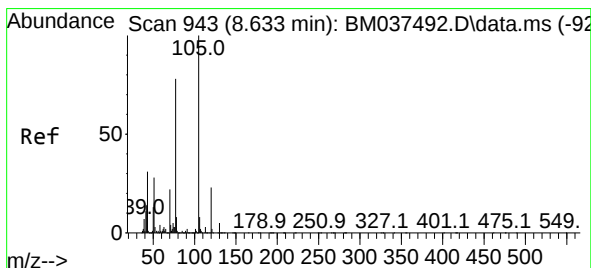
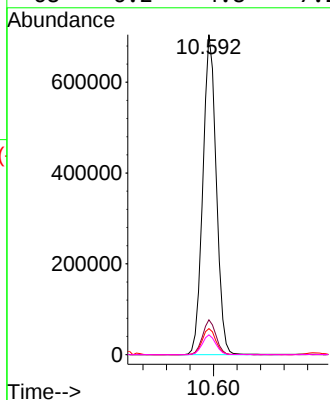
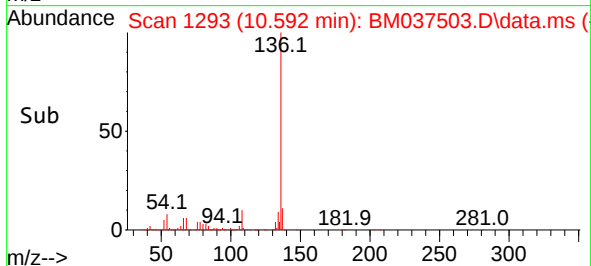


Tgt Ion:136 Resp: 1116889  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 8.1 6.3 9.5  
68 6.2 4.8 7.2

Manual Integrations

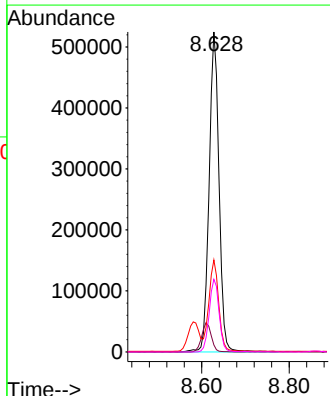
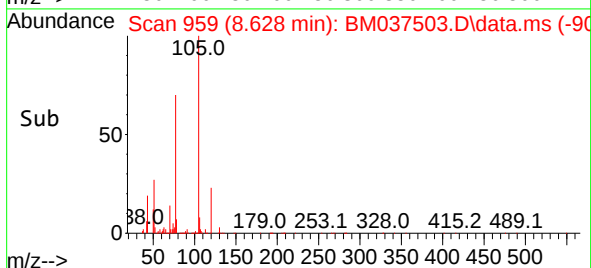
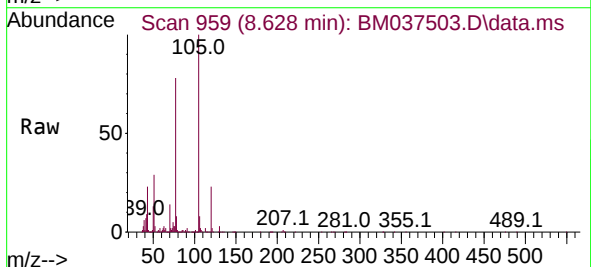
APPROVED

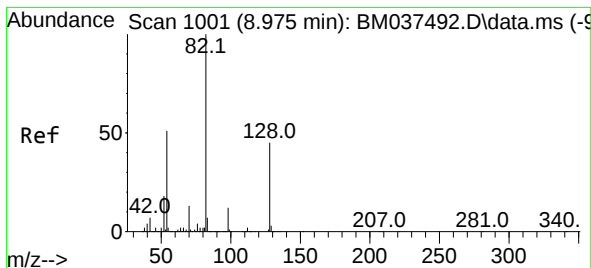
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#22  
Acetophenone  
Concen: 28.473 ng  
RT: 8.628 min Scan# 959  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:105 Resp: 822428  
Ion Ratio Lower Upper  
105 100  
71 2.2 2.9 4.3#  
51 28.7 22.9 34.3  
120 22.7 18.4 27.6





#23

Nitrobenzene-d5

Concen: 54.371 ng

RT: 8.969 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BM037503.D

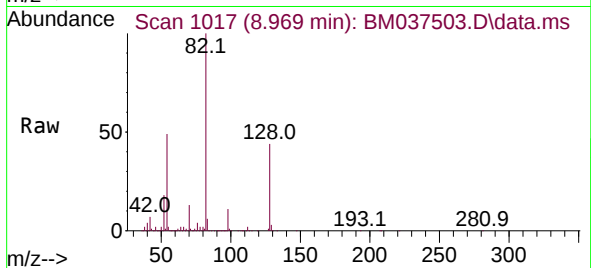
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS



Tgt Ion: 82 Resp: 116855

Ion Ratio Lower Upper

82 100

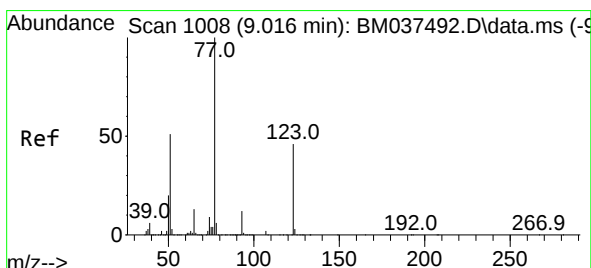
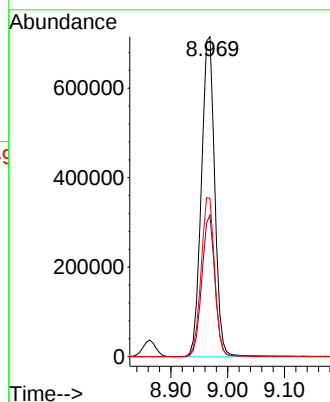
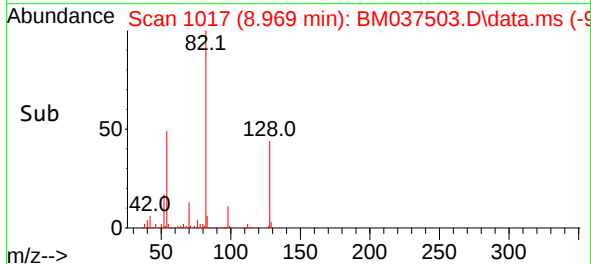
128 44.2 36.3 54.5

54 49.5 40.7 61.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#24

Nitrobenzene

Concen: 27.616 ng

RT: 9.010 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

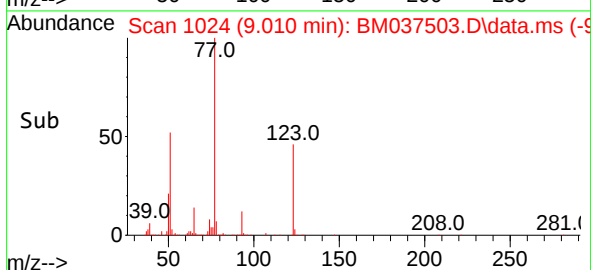
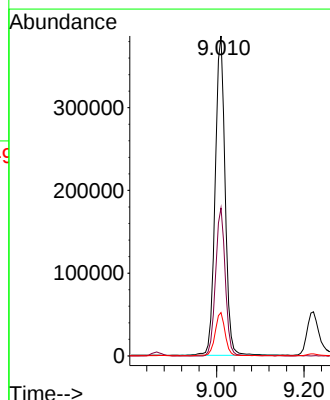
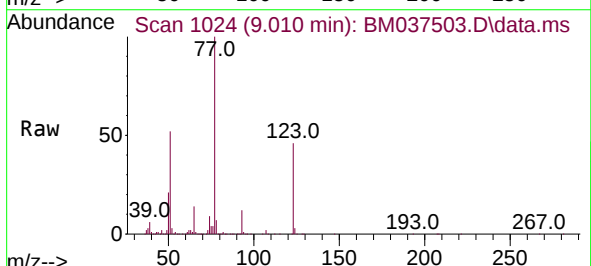
Tgt Ion: 77 Resp: 612243

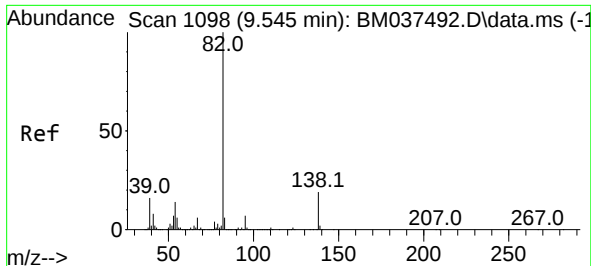
Ion Ratio Lower Upper

77 100

123 46.2 36.7 55.1

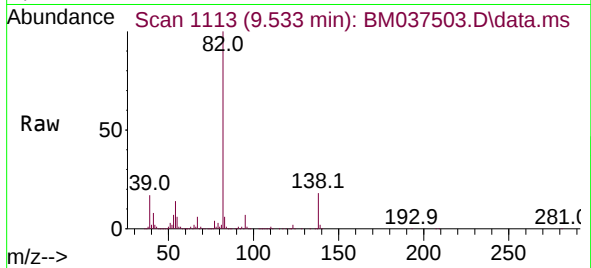
65 13.5 10.7 16.1





#25  
Isophorone  
Concen: 32.647 ng  
RT: 9.533 min Scan# 1113  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

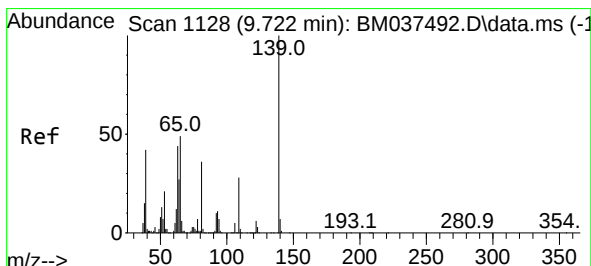
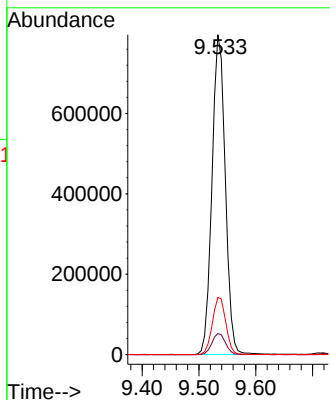
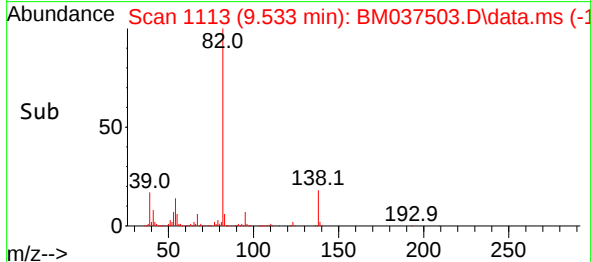
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion: 82 Resp: 1294497  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.4 8.2  
138 17.9 14.9 22.3

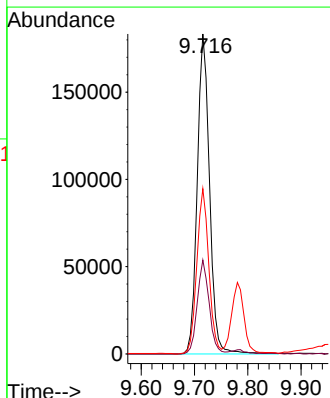
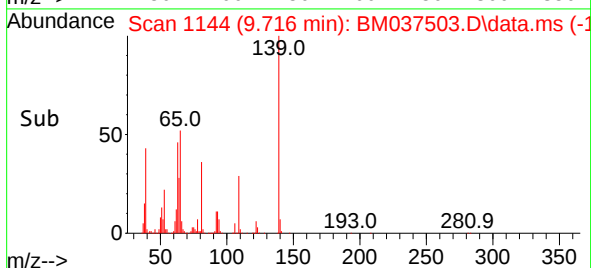
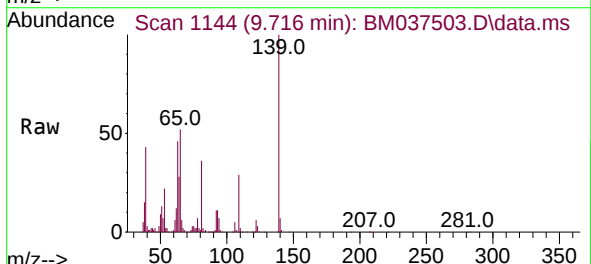
Manual Integrations  
APPROVED

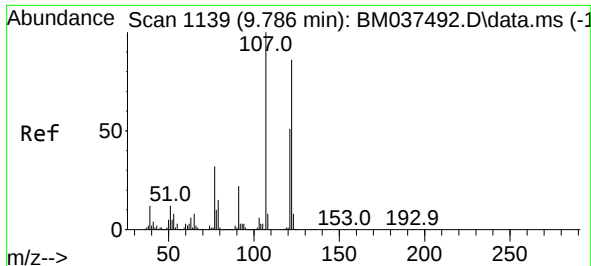
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#26  
2-Nitrophenol  
Concen: 28.377 ng  
RT: 9.716 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:139 Resp: 293441  
Ion Ratio Lower Upper  
139 100  
109 29.3 22.8 34.2  
65 51.6 39.4 59.2





#27

2,4-Dimethylphenol

Concen: 39.595 ng

RT: 9.780 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BM037503.D

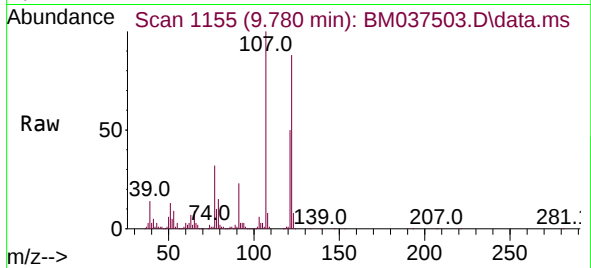
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS



Tgt Ion:122 Resp: 588176

Ion Ratio Lower Upper

122 100

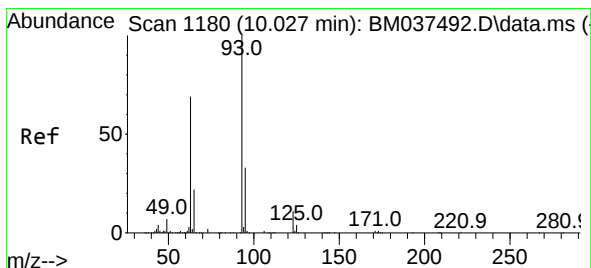
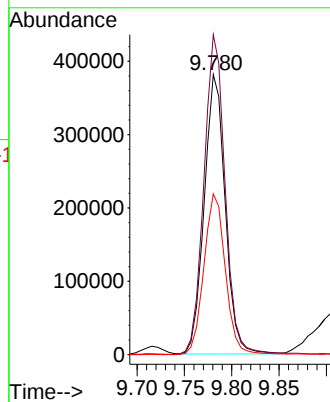
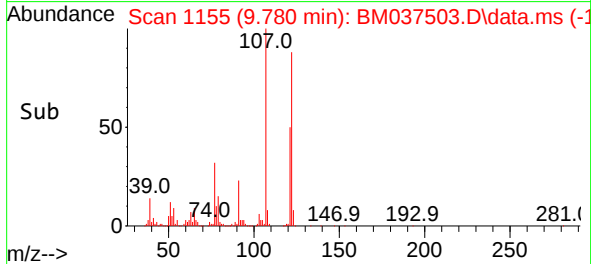
107 114.3 93.0 139.6

121 57.4 47.4 71.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 31.552 ng

RT: 10.022 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

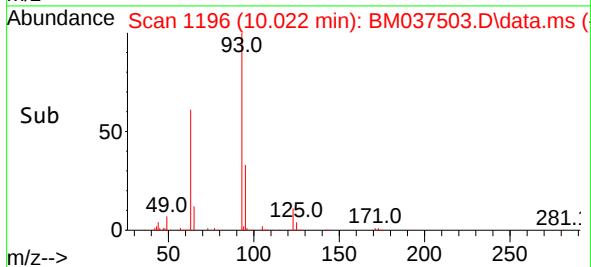
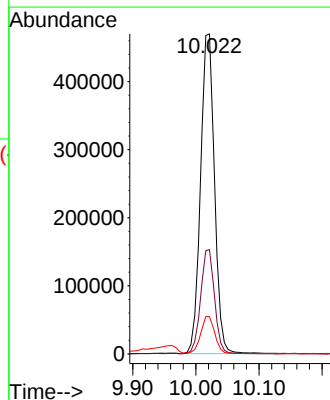
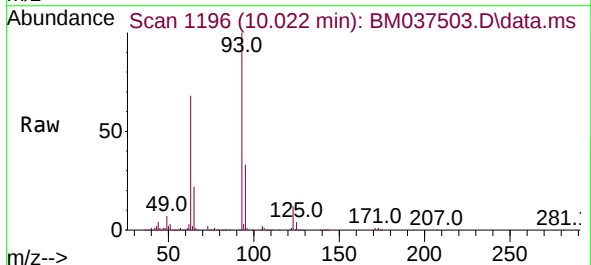
Tgt Ion: 93 Resp: 721522

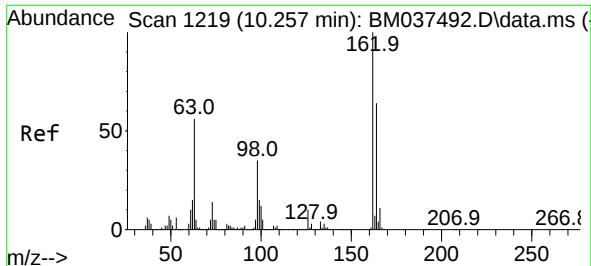
Ion Ratio Lower Upper

93 100

95 32.6 26.2 39.4

123 11.6 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 33.261 ng

RT: 10.251 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

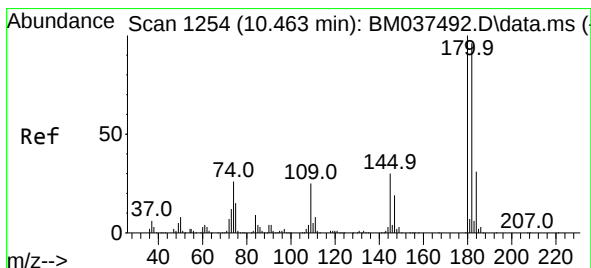
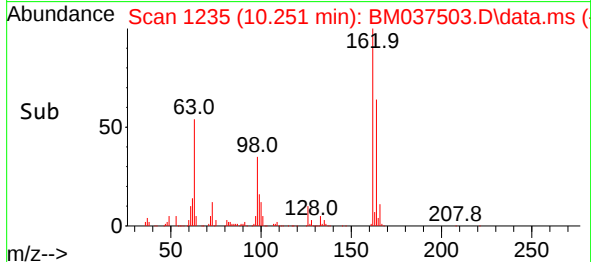
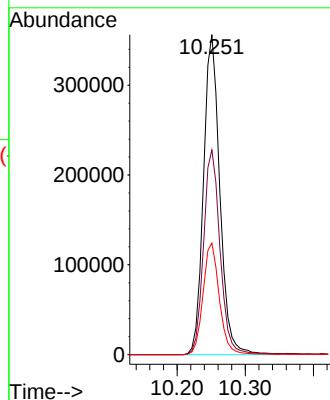
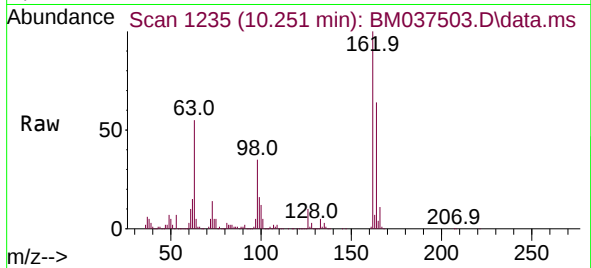
PB148855BS

Tgt Ion:162 Resp: 593972  
 Ion Ratio Lower Upper  
 162 100  
 164 64.0 44.1 84.1  
 98 34.9 14.7 54.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
 Supervised By :mohammad ahmed 11/17/2022



#30

1,2,4-Trichlorobenzene

Concen: 26.905 ng

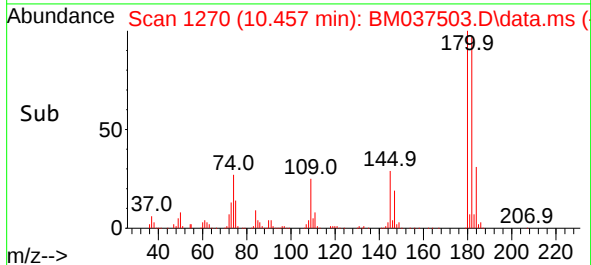
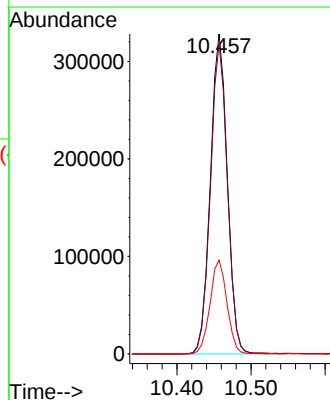
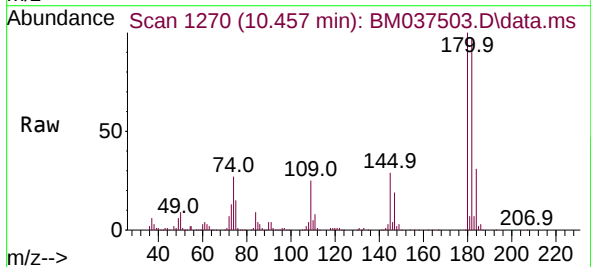
RT: 10.457 min Scan# 1270

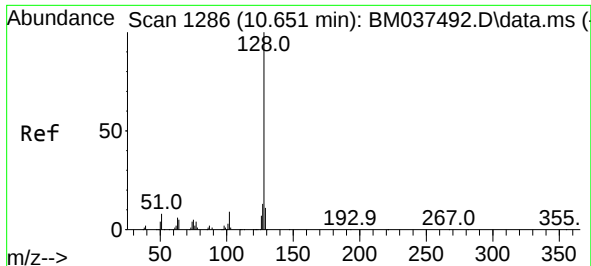
Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

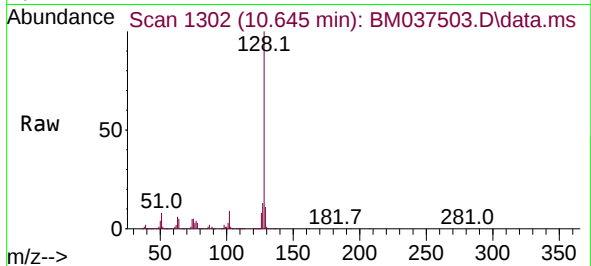
Tgt Ion:180 Resp: 522025  
 Ion Ratio Lower Upper  
 180 100  
 182 96.9 77.0 115.4  
 145 29.3 23.9 35.9





#31  
Naphthalene  
Concen: 26.465 ng  
RT: 10.645 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

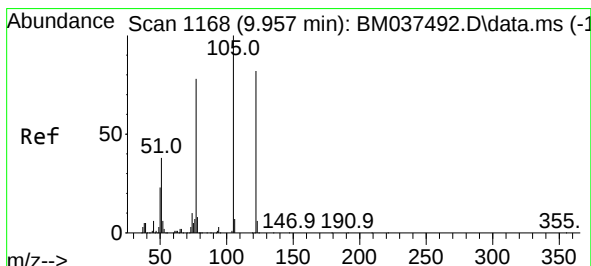
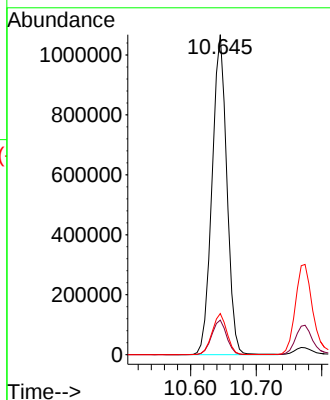
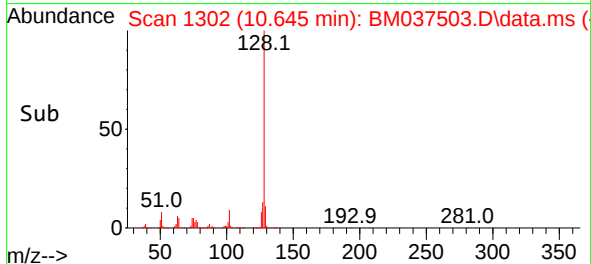
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:128 Resp: 1674622  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.9 13.3  
127 12.8 10.4 15.6

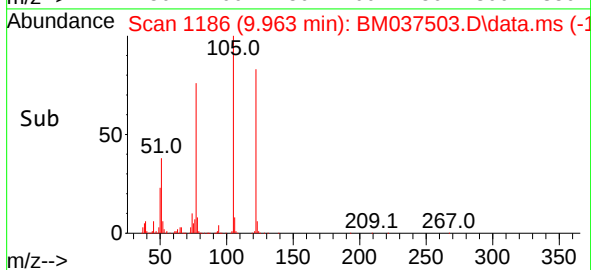
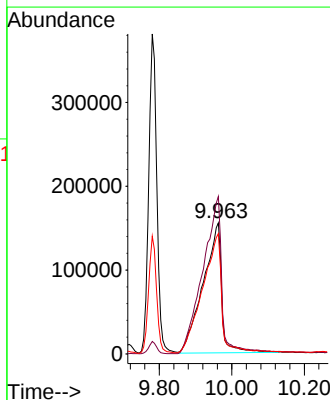
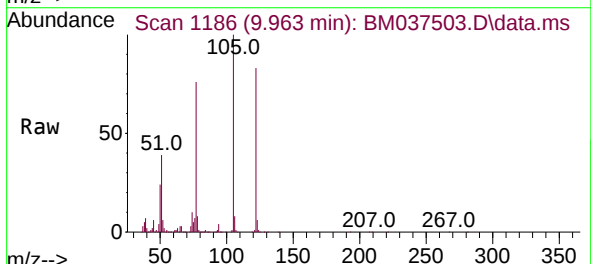
Manual Integrations  
APPROVED

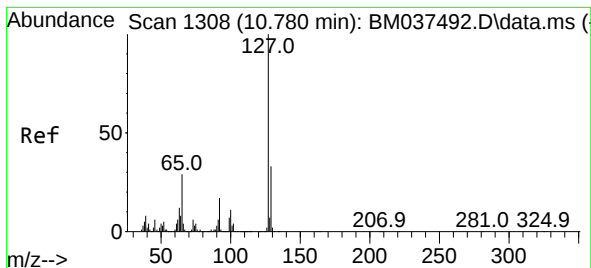
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#32  
Benzoic acid  
Concen: 38.780 ng  
RT: 9.963 min Scan# 1186  
Delta R.T. 0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

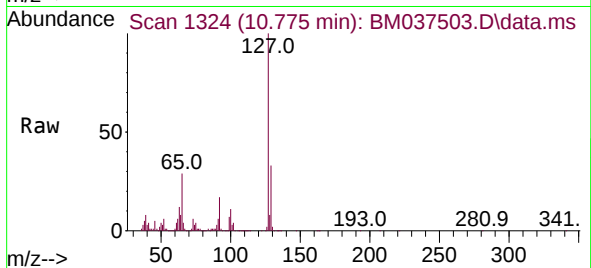
Tgt Ion:122 Resp: 554444  
Ion Ratio Lower Upper  
122 100  
105 120.1 100.5 140.5  
77 91.8 74.1 114.1





#33  
4-Chloroaniline  
Concen: 22.957 ng  
RT: 10.775 min Scan# 1308  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

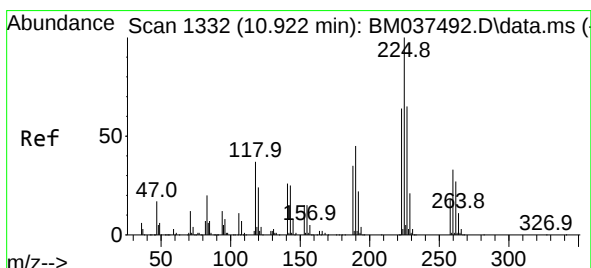
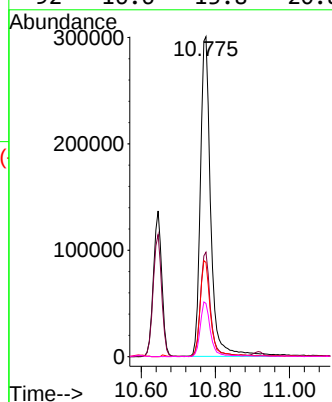
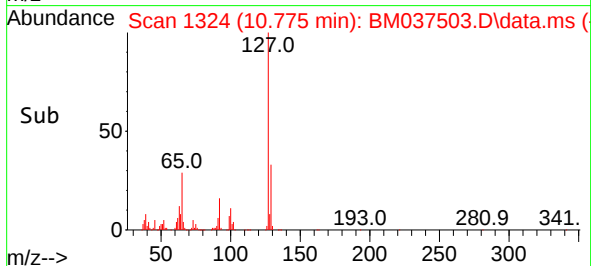
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:127 Resp: 586752  
Ion Ratio Lower Upper  
127 100  
129 32.6 26.0 39.0  
65 29.4 23.6 35.4  
92 16.6 13.8 20.8

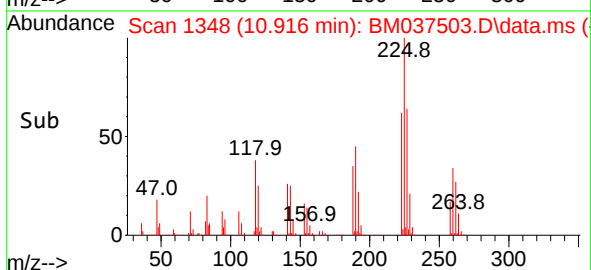
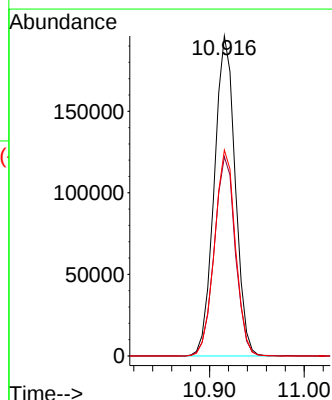
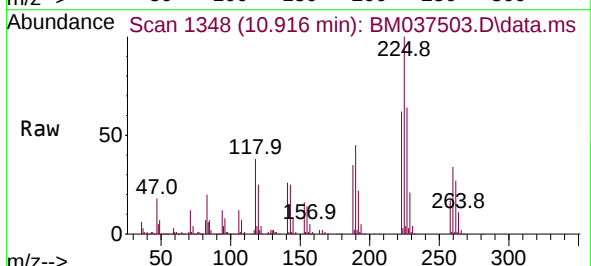
Manual Integrations  
APPROVED

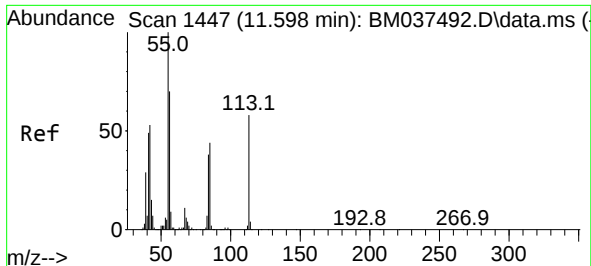
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#34  
Hexachlorobutadiene  
Concen: 26.639 ng  
RT: 10.916 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

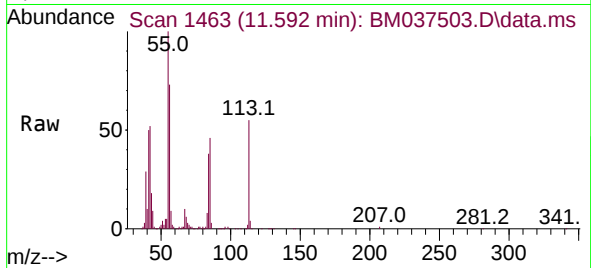
Tgt Ion:225 Resp: 301099  
Ion Ratio Lower Upper  
225 100  
223 62.2 51.4 77.2  
227 64.3 52.0 78.0





#35  
Caprolactam  
Concen: 43.186 ng m  
RT: 11.592 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

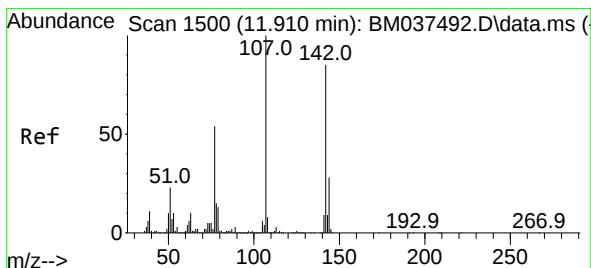
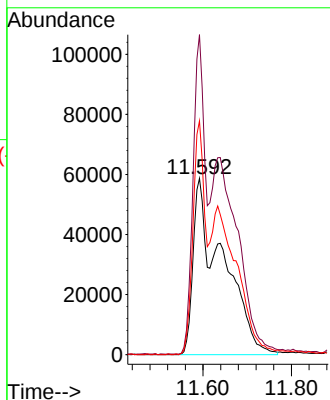
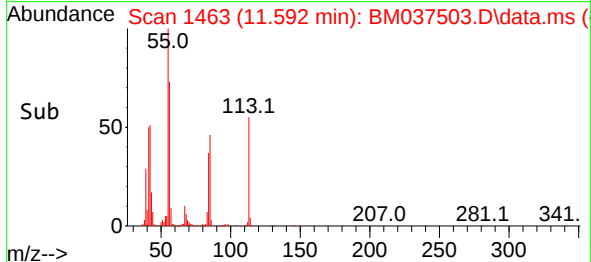
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



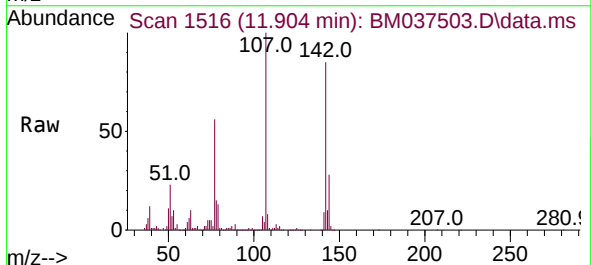
Tgt Ion:113 Resp: 270319  
Ion Ratio Lower Upper  
113 100  
55 181.6 153.6 193.6  
56 132.6 101.4 141.4

Manual Integrations  
APPROVED

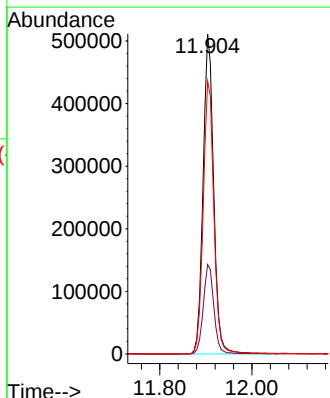
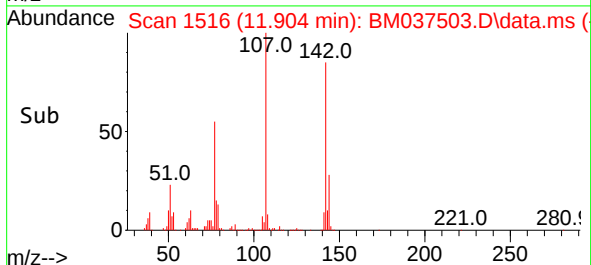
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

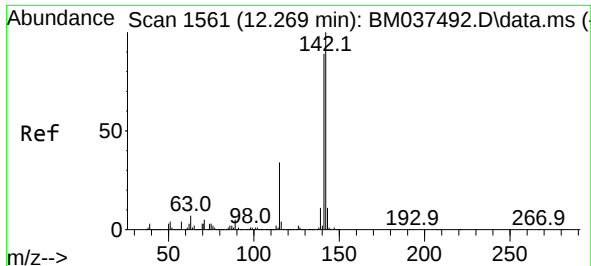


#36  
4-Chloro-3-methylphenol  
Concen: 41.820 ng  
RT: 11.904 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



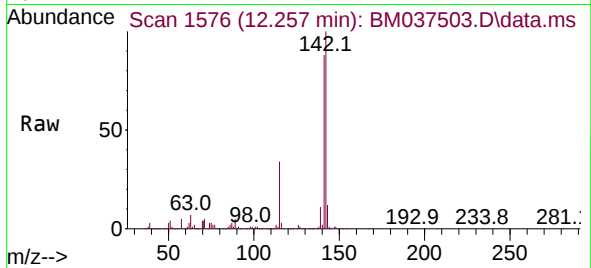
Tgt Ion:107 Resp: 810908  
Ion Ratio Lower Upper  
107 100  
144 27.9 22.1 33.1  
142 85.2 68.2 102.4





#37  
2-Methylnaphthalene  
Concen: 29.654 ng  
RT: 12.257 min Scan# 1576  
Delta R.T. -0.012 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

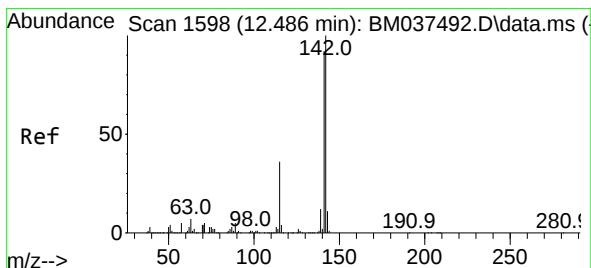
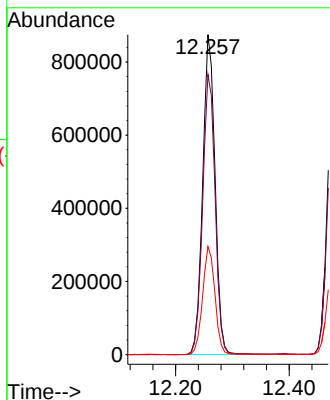
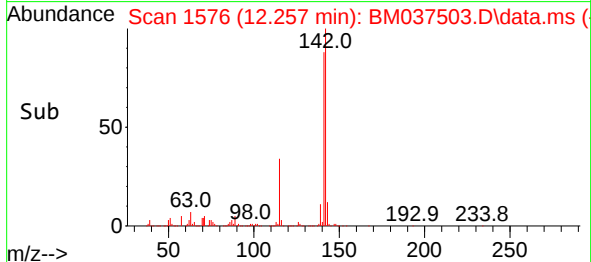
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



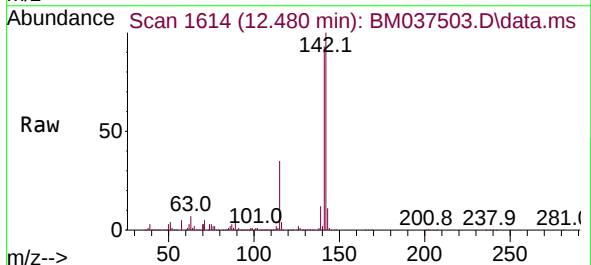
Tgt Ion:142 Resp: 1320546  
Ion Ratio Lower Upper  
142 100  
141 87.5 71.5 107.3  
115 33.8 26.9 40.3

Manual Integrations  
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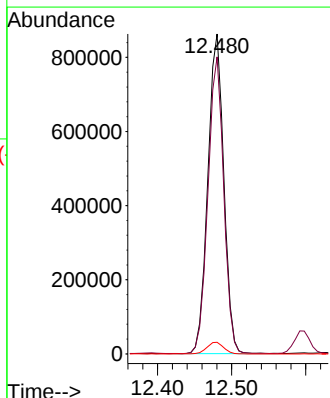
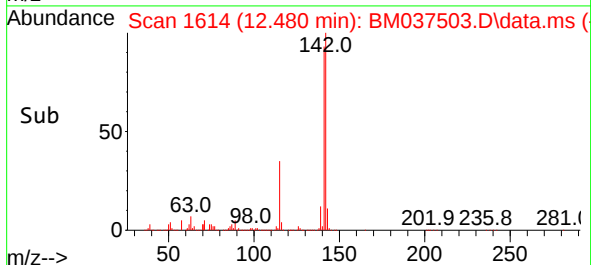
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

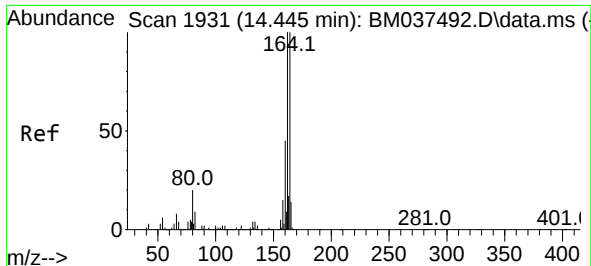


#38  
1-Methylnaphthalene  
Concen: 29.174 ng  
RT: 12.480 min Scan# 1614  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



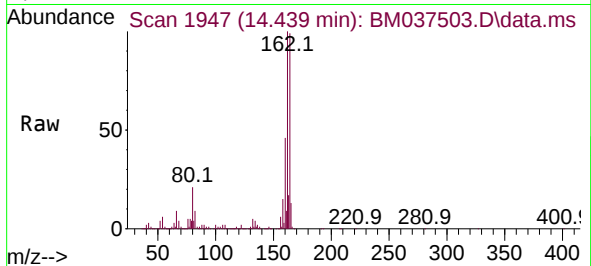
Tgt Ion:142 Resp: 1291377  
Ion Ratio Lower Upper  
142 100  
141 92.8 73.5 110.3  
116 3.6 2.9 4.3





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.439 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

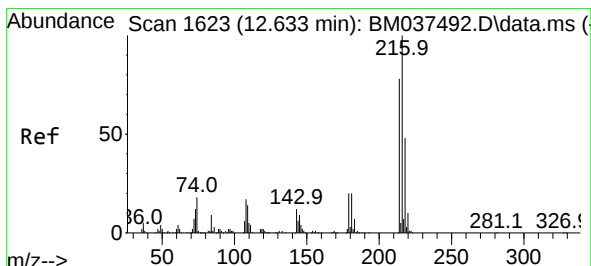
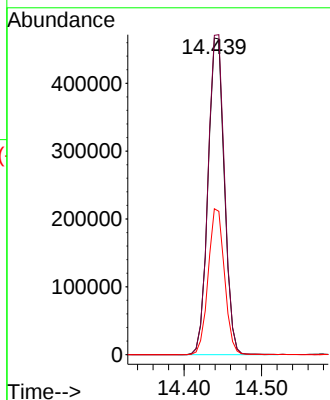
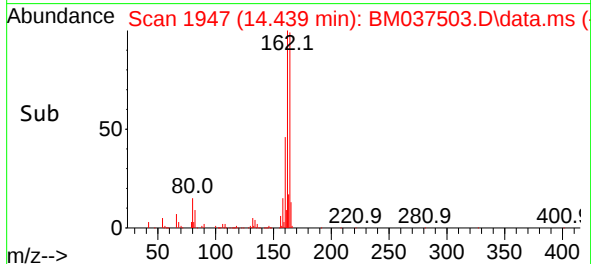
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



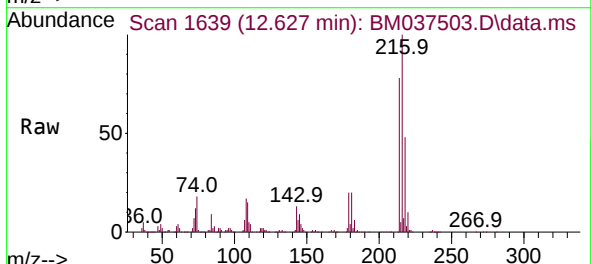
Tgt Ion:164 Resp: 681124  
Ion Ratio Lower Upper  
164 100  
162 100.9 79.9 119.9  
160 46.1 35.7 53.5

Manual Integrations  
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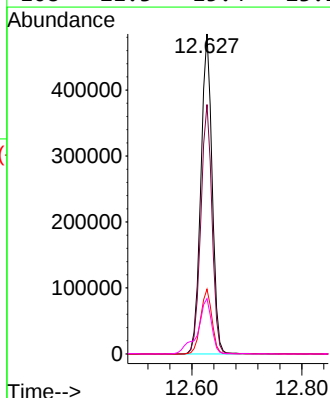
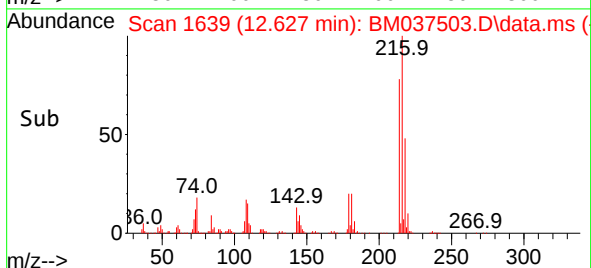
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

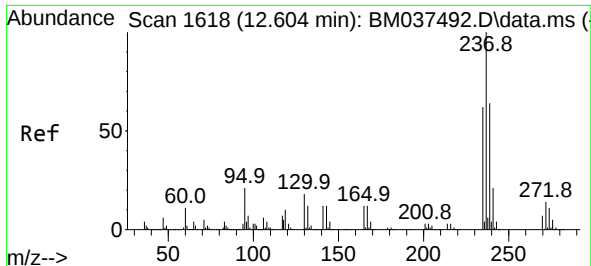


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 34.736 ng  
RT: 12.627 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



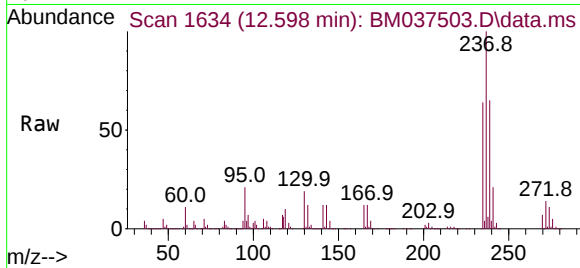
Tgt Ion:216 Resp: 687448  
Ion Ratio Lower Upper  
216 100  
214 77.8 62.6 94.0  
179 20.3 16.5 24.7  
108 21.3 15.4 23.2





#41  
Hexachlorocyclopentadiene  
Concen: 73.775 ng  
RT: 12.598 min Scan# 1618  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

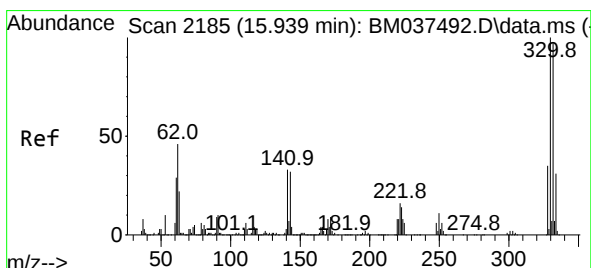
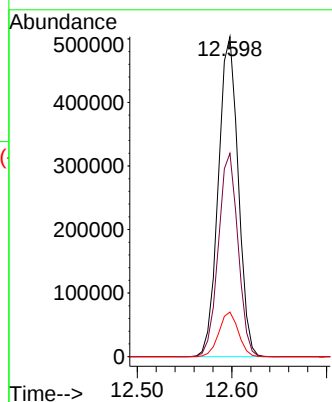
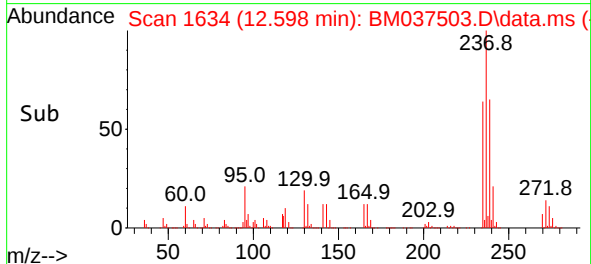
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



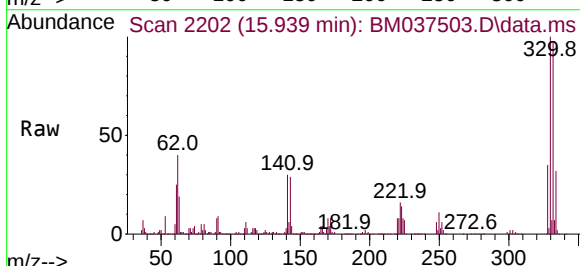
Tgt Ion:237 Resp: 731783  
Ion Ratio Lower Upper  
237 100  
235 63.5 42.3 82.3  
272 13.9 0.0 33.6

Manual Integrations  
APPROVED

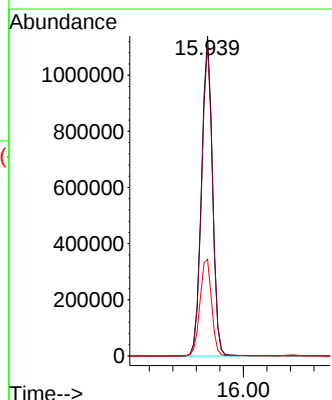
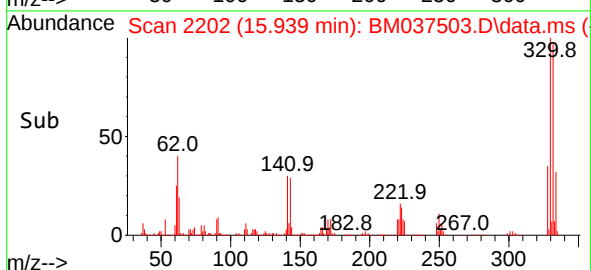
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

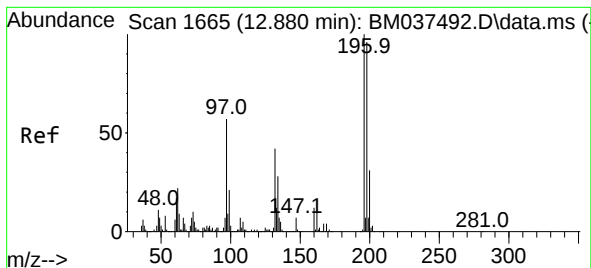


#42  
2,4,6-Tribromophenol  
Concen: 156.156 ng  
RT: 15.939 min Scan# 2202  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:330 Resp: 1470675  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.7 116.5  
141 32.1 26.2 39.2





#43

2,4,6-Trichlorophenol

Concen: 42.810 ng

RT: 12.874 min Scan# 1681

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

Tgt Ion:196 Resp: 614315

Ion Ratio Lower Upper

196 100

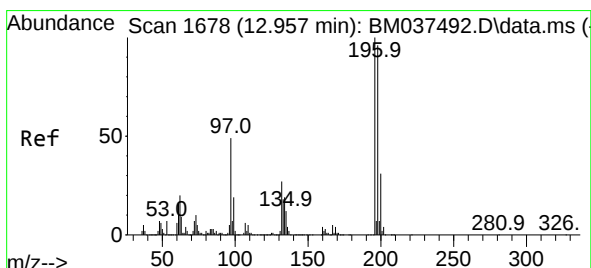
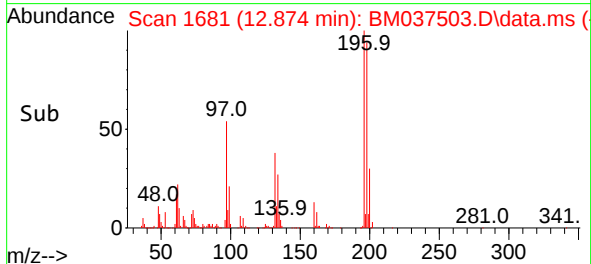
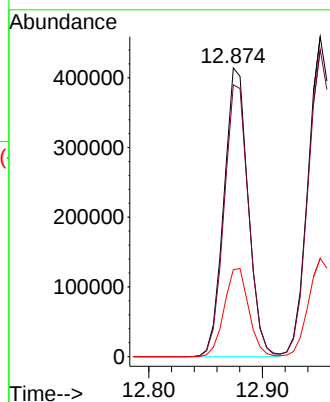
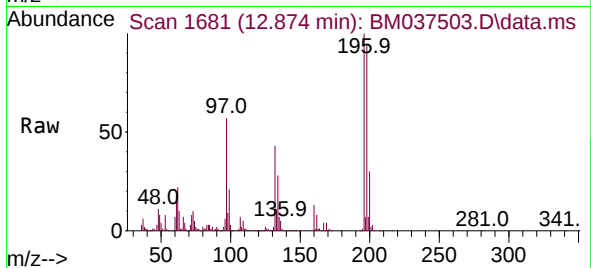
198 94.1 77.0 115.6

200 30.1 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#44

2,4,5-Trichlorophenol

Concen: 44.852 ng

RT: 12.951 min Scan# 1694

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Tgt Ion:196 Resp: 712633

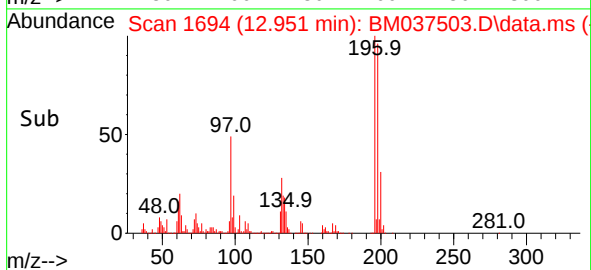
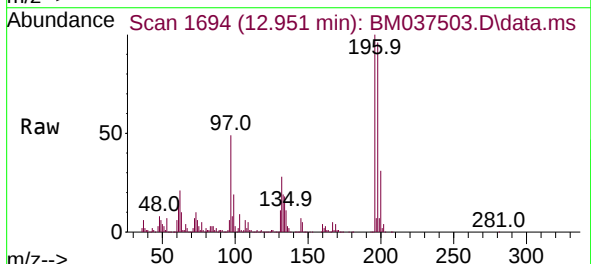
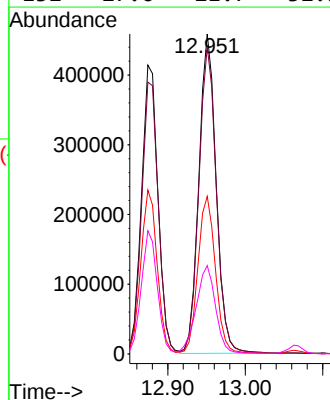
Ion Ratio Lower Upper

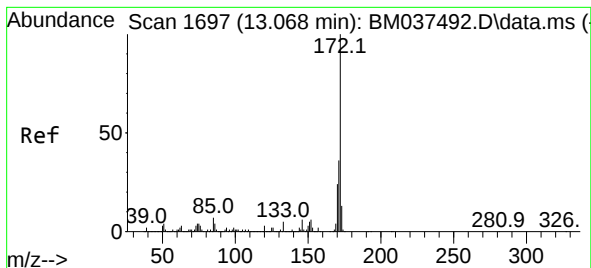
196 100

198 95.9 76.4 114.6

97 49.2 39.3 58.9

132 27.6 21.7 32.5





#45

2-Fluorobiphenyl

Concen: 70.059 ng

RT: 13.063 min Scan# 1713

Delta R.T. -0.005 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

Tgt Ion:172 Resp: 343354

Ion Ratio Lower Upper

172 100

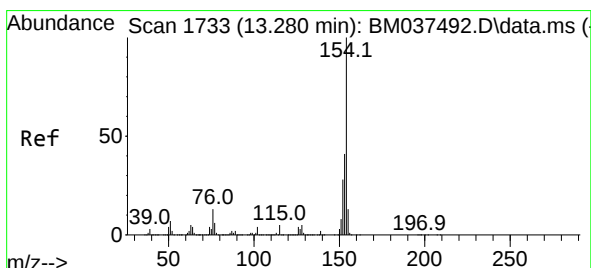
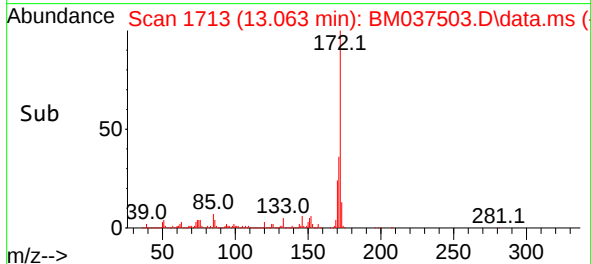
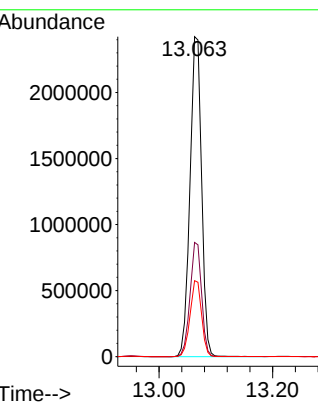
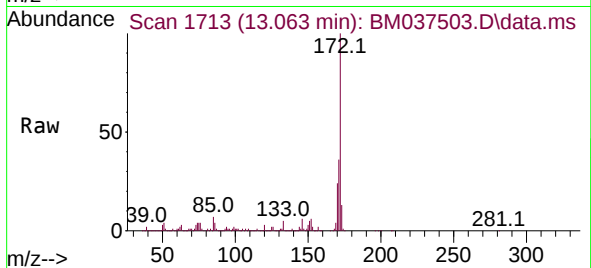
171 35.7 28.4 42.6

170 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#46

1,1'-Biphenyl

Concen: 37.860 ng

RT: 13.274 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

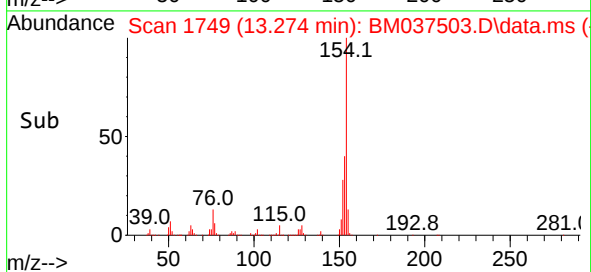
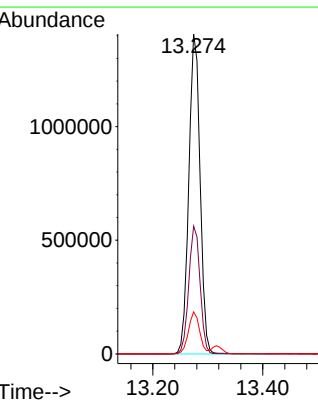
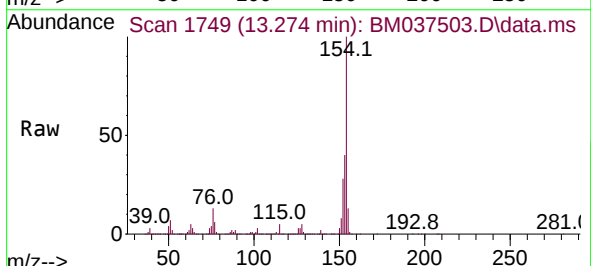
Tgt Ion:154 Resp: 1996895

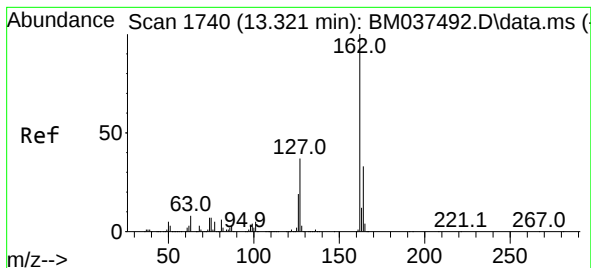
Ion Ratio Lower Upper

154 100

153 39.9 20.7 60.7

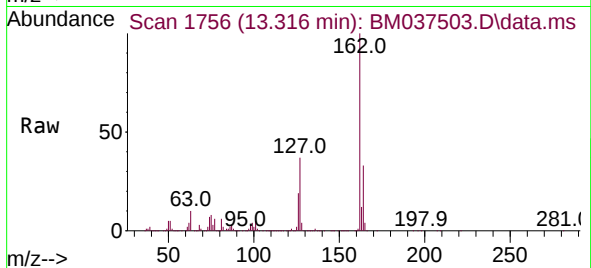
76 13.1 0.0 33.3





#47  
2-Chloronaphthalene  
Concen: 36.117 ng  
RT: 13.316 min Scan# 1740  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

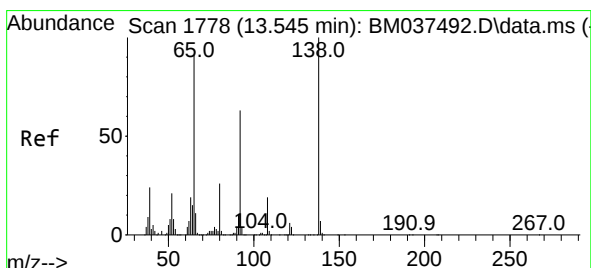
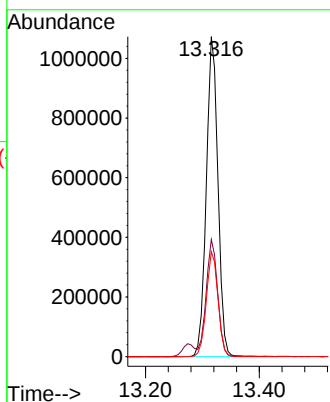
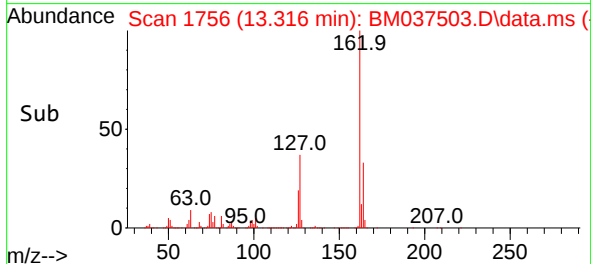
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



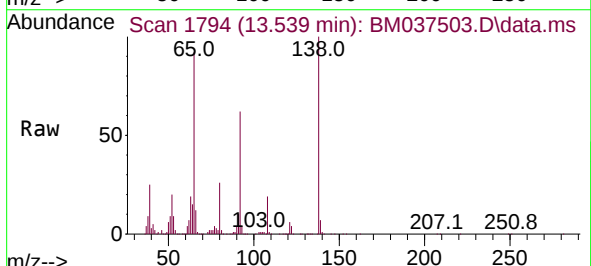
Tgt Ion:162 Resp: 153201  
Ion Ratio Lower Upper  
162 100  
127 36.6 29.8 44.8  
164 32.8 26.3 39.5

Manual Integrations  
APPROVED

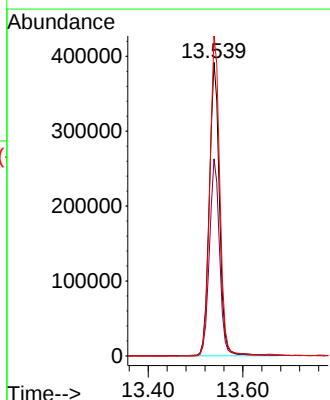
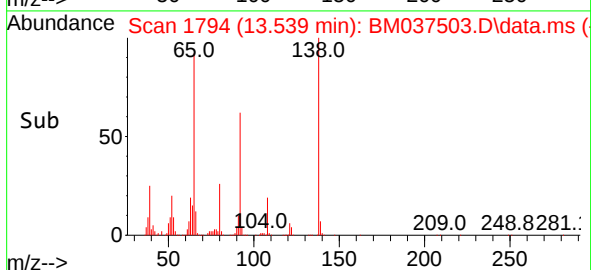
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

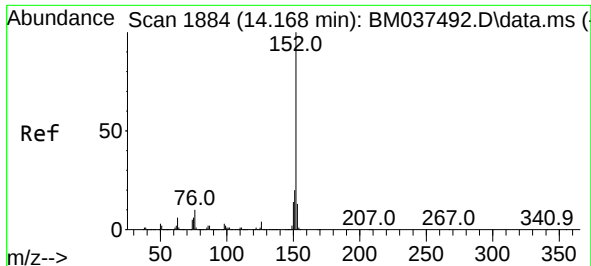


#48  
2-Nitroaniline  
Concen: 44.728 ng  
RT: 13.539 min Scan# 1794  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



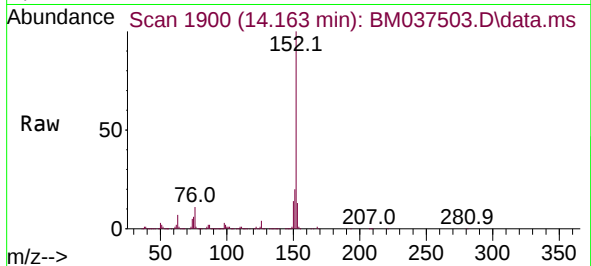
Tgt Ion: 65 Resp: 584321  
Ion Ratio Lower Upper  
65 100  
92 67.1 55.0 82.4  
138 109.0 87.5 131.3





#49  
Acenaphthylene  
Concen: 40.611 ng  
RT: 14.163 min Scan# 19  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

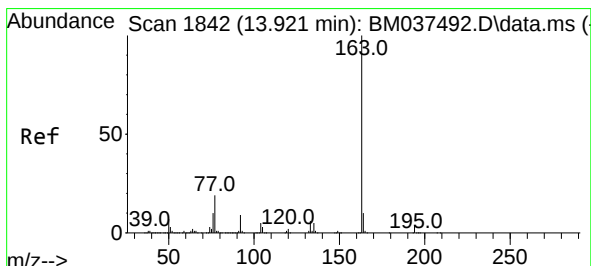
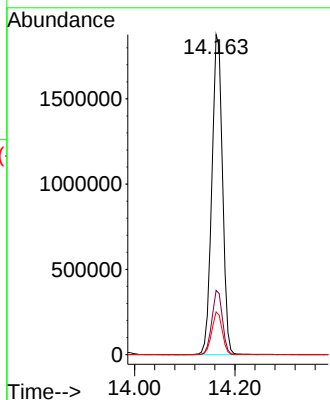
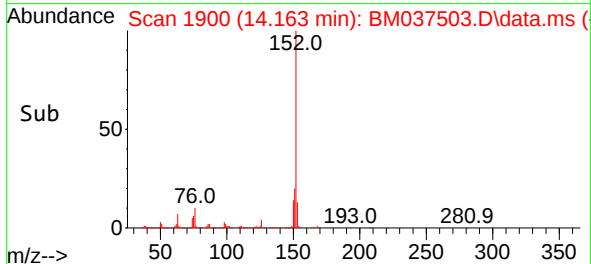
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



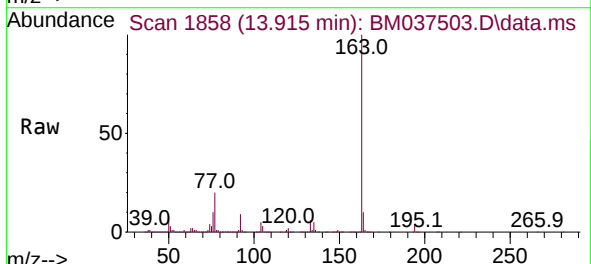
Tgt Ion:152 Resp: 275915  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.3 10.6 16.0

Manual Integrations  
APPROVED

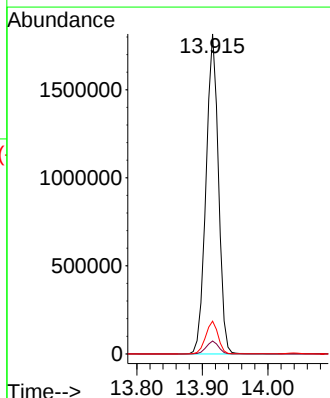
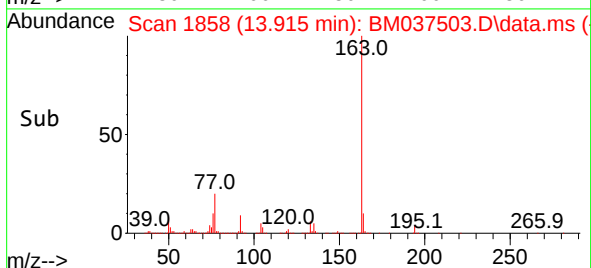
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

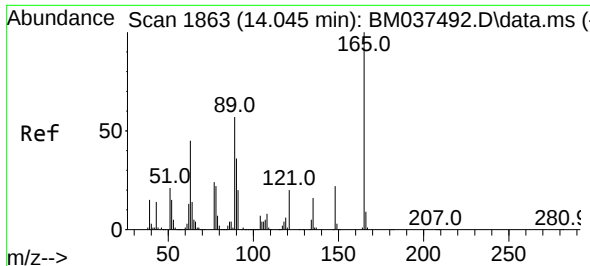


#50  
Dimethylphthalate  
Concen: 43.688 ng  
RT: 13.915 min Scan# 1858  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:163 Resp: 2381730  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 7.9 11.9





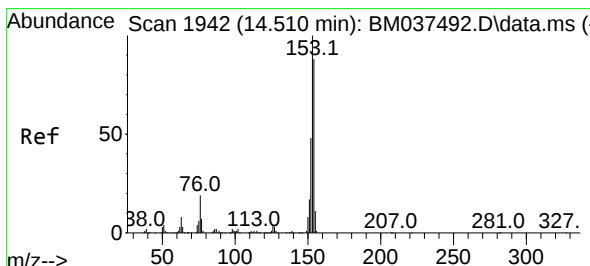
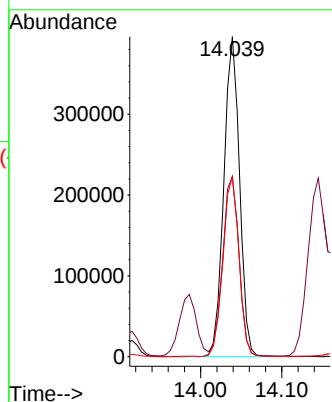
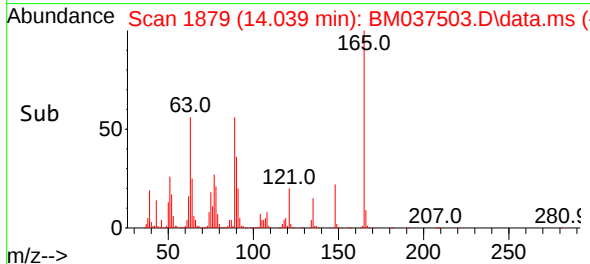
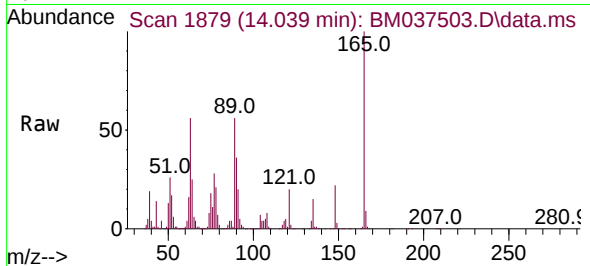
#51  
2,6-Dinitrotoluene  
Concen: 45.297 ng  
RT: 14.039 min Scan# 1863  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS

Tgt Ion:165 Resp: 530609  
Ion Ratio Lower Upper  
165 100  
63 56.3 46.2 69.2  
89 56.1 45.4 68.2

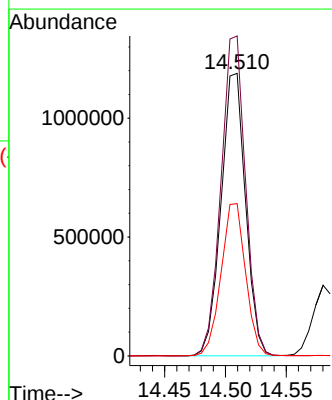
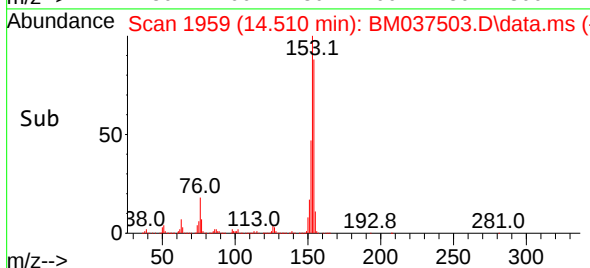
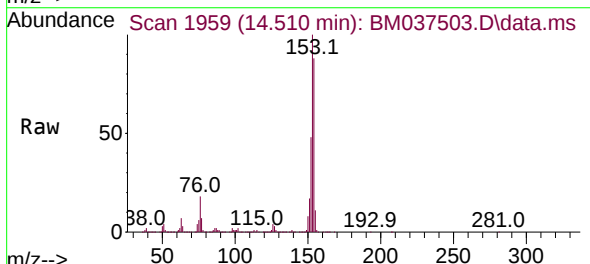
Manual Integrations  
APPROVED

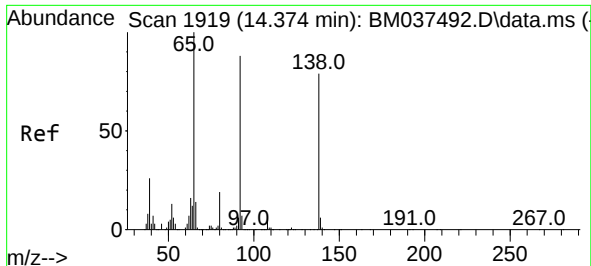
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#52  
Acenaphthene  
Concen: 40.157 ng  
RT: 14.510 min Scan# 1959  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

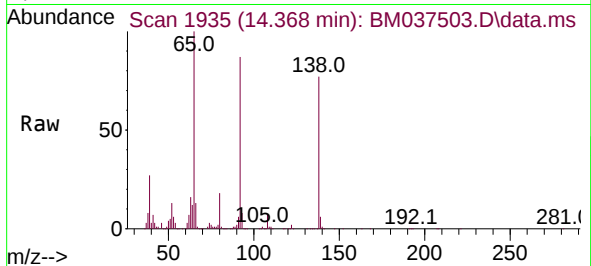
Tgt Ion:154 Resp: 1665359  
Ion Ratio Lower Upper  
154 100  
153 113.3 90.8 136.2  
152 53.9 43.3 64.9





#53  
3-Nitroaniline  
Concen: 31.165 ng  
RT: 14.368 min Scan# 1919  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

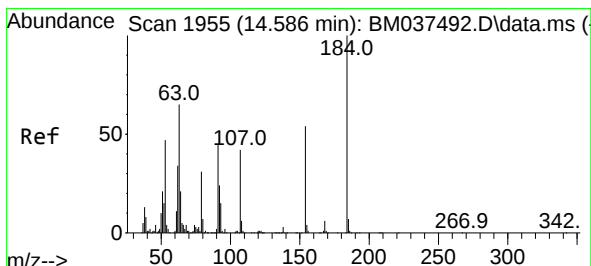
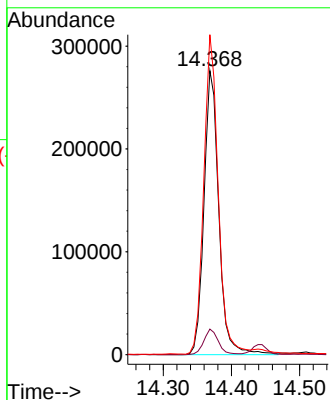
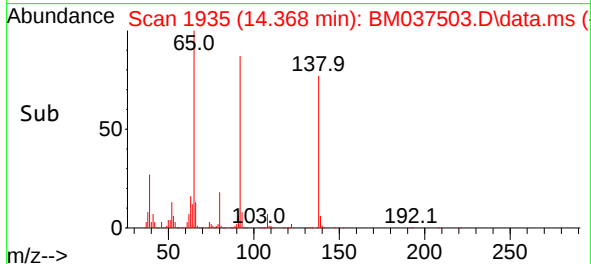
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



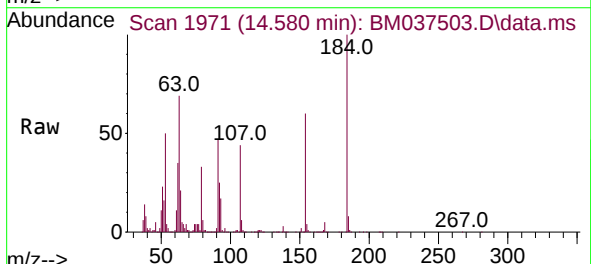
Tgt Ion:138 Resp: 417559  
Ion Ratio Lower Upper  
138 100  
108 9.0 7.2 10.8  
92 112.7 89.0 133.6

Manual Integrations  
APPROVED

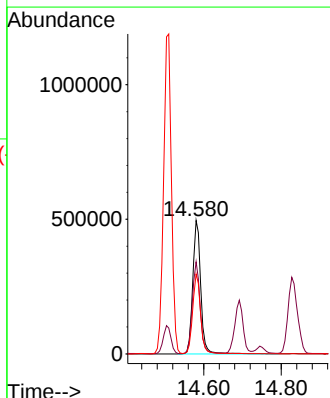
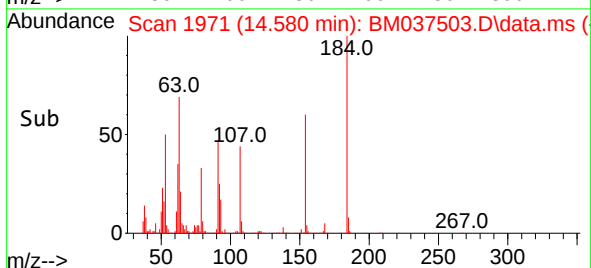
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

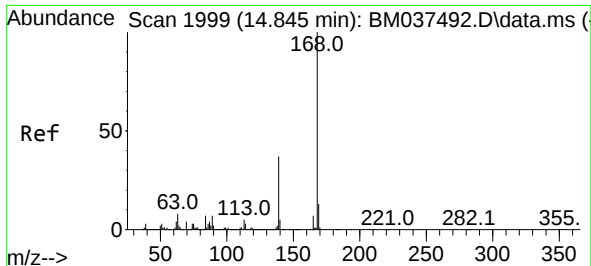


#54  
2,4-Dinitrophenol  
Concen: 86.943 ng  
RT: 14.580 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



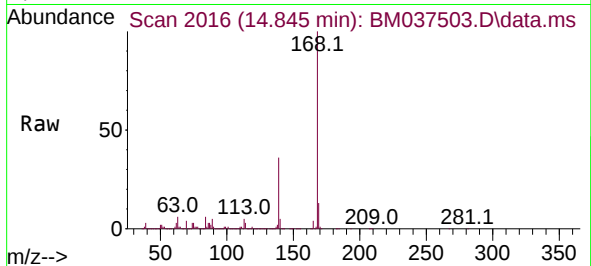
Tgt Ion:184 Resp: 707250  
Ion Ratio Lower Upper  
184 100  
63 69.0 52.2 78.4  
154 60.0 48.2 72.2





#55  
Dibenzenofuran  
Concen: 41.516 ng  
RT: 14.845 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

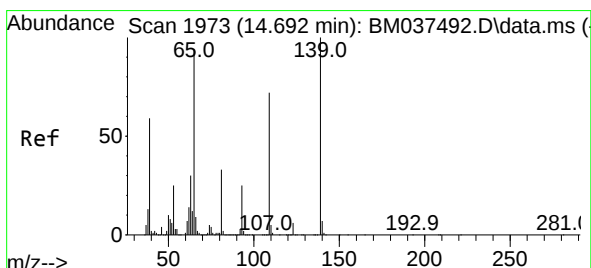
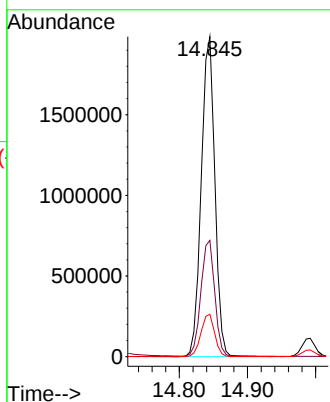
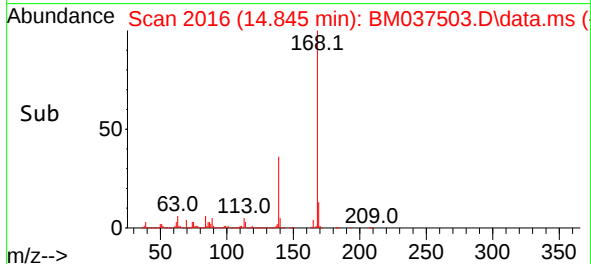
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



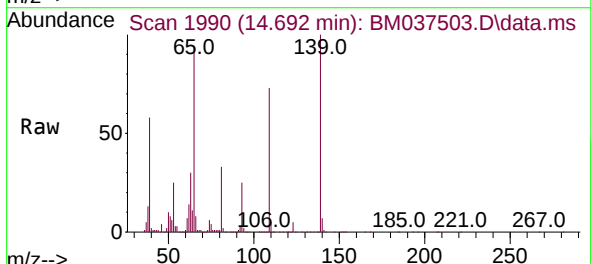
Tgt Ion:168 Resp: 275318  
Ion Ratio Lower Upper  
168 100  
139 36.3 29.8 44.8  
169 13.2 10.8 16.2

Manual Integrations  
APPROVED

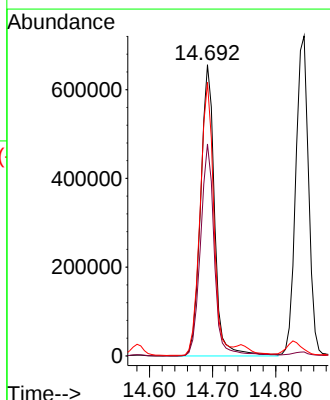
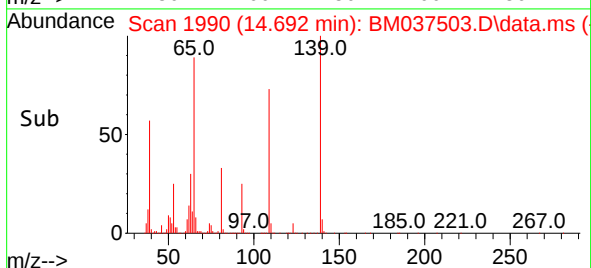
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

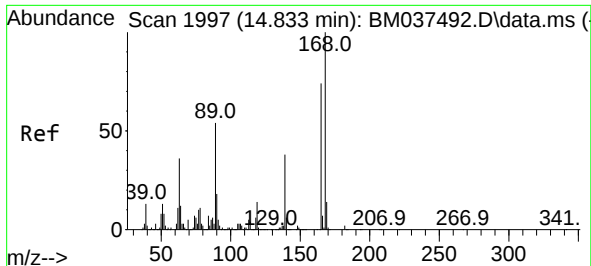


#56  
4-Nitrophenol  
Concen: 86.962 ng  
RT: 14.692 min Scan# 1990  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



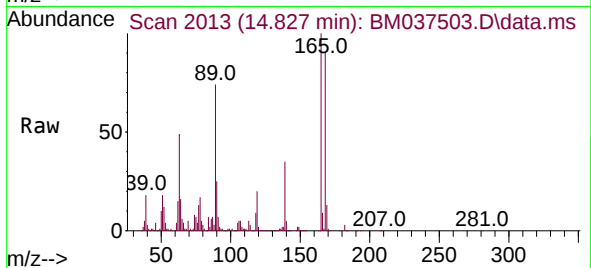
Tgt Ion:139 Resp: 1004302  
Ion Ratio Lower Upper  
139 100  
109 72.8 52.1 92.1  
65 93.9 74.4 114.4





#57  
2,4-Dinitrotoluene  
Concen: 46.845 ng  
RT: 14.827 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

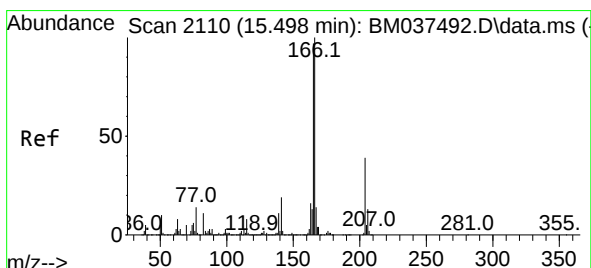
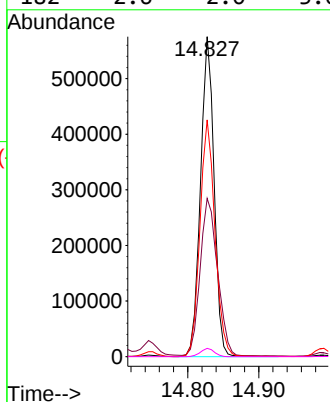
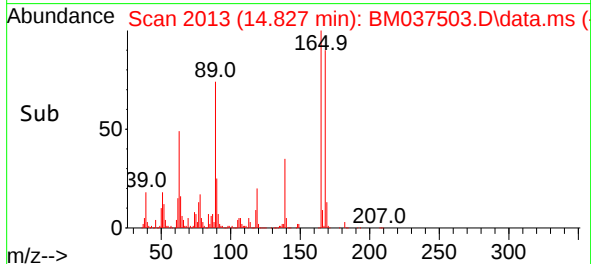
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



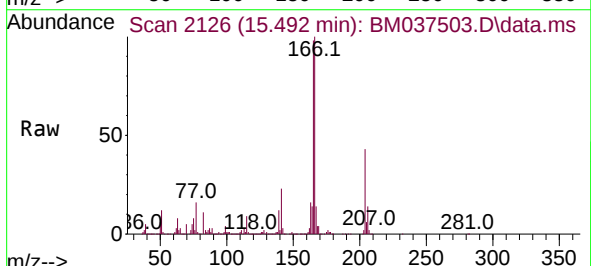
Tgt Ion:165 Resp: 759652  
Ion Ratio Lower Upper  
165 100  
63 49.4 39.5 59.3  
89 74.0 58.4 87.6  
182 2.6 2.0 3.0

Manual Integrations  
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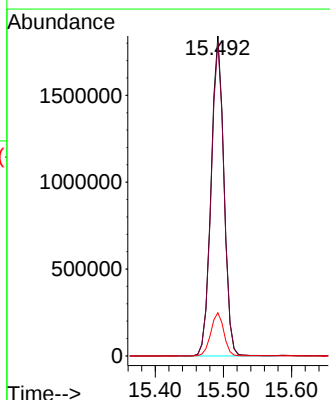
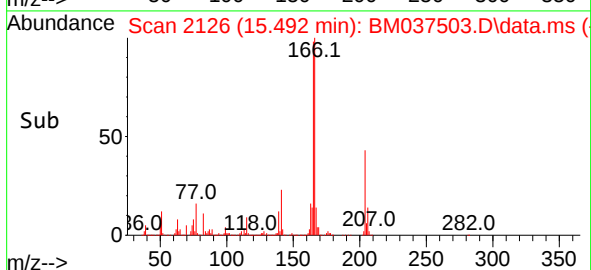
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

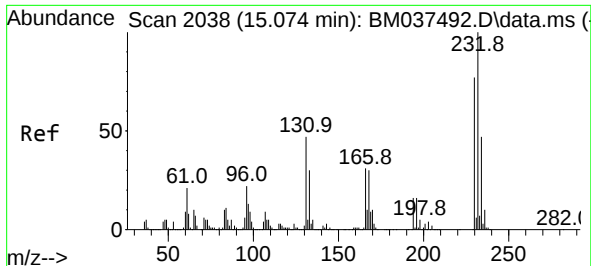


#58  
Fluorene  
Concen: 42.764 ng  
RT: 15.492 min Scan# 2126  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:166 Resp: 2404913  
Ion Ratio Lower Upper  
166 100  
165 98.0 77.8 116.8  
167 13.5 10.8 16.2





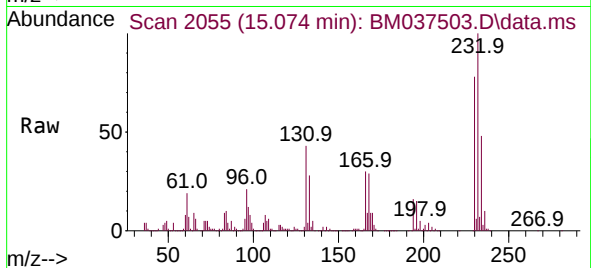
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.488 ng  
RT: 15.074 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

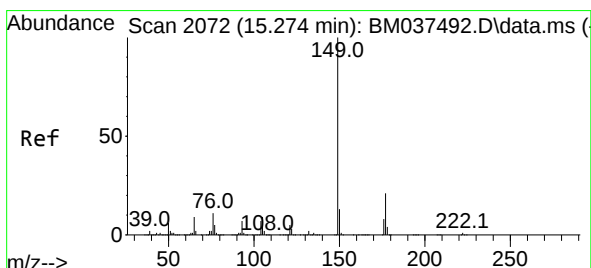
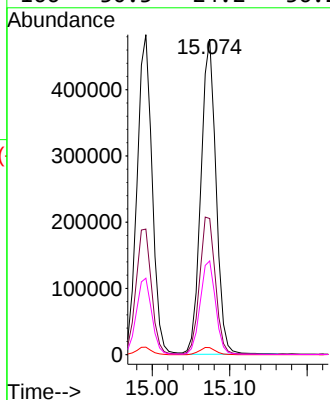
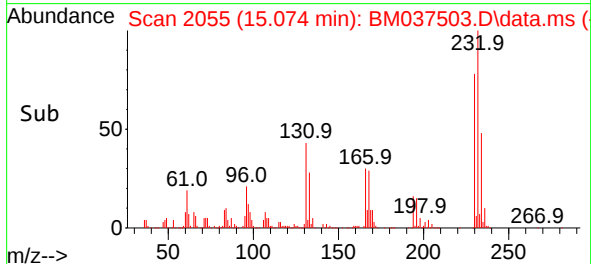


Tgt Ion:232 Resp: 644811  
Ion Ratio Lower Upper  
232 100  
131 45.6 36.0 54.0  
130 2.4 1.9 2.9  
166 30.3 24.2 36.2

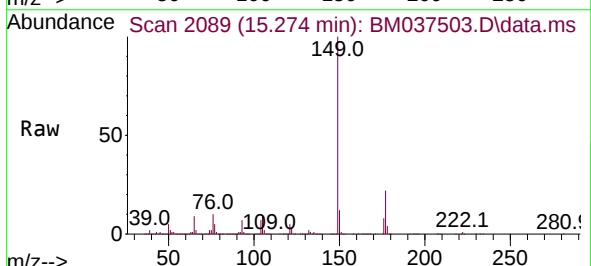
Manual Integrations

APPROVED

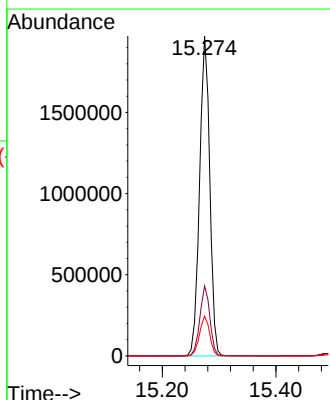
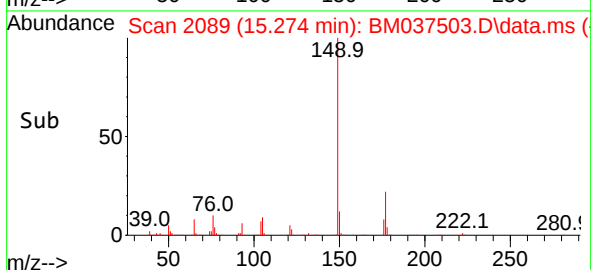
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

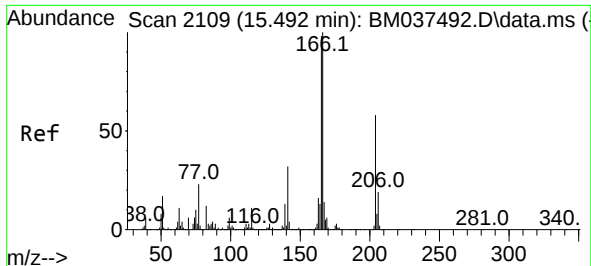


#60  
Diethylphthalate  
Concen: 43.903 ng  
RT: 15.274 min Scan# 2089  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:149 Resp: 2440504  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.0 25.4  
150 12.4 10.0 15.0





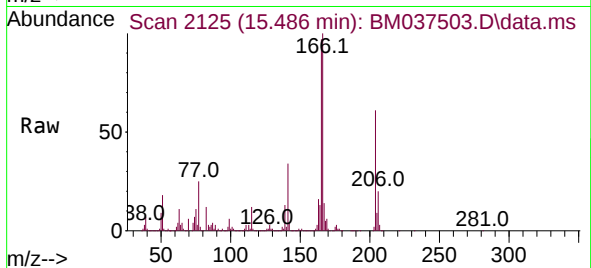
#61  
4-Chlorophenyl-phenylether  
Concen: 44.225 ng  
RT: 15.486 min Scan# 2109  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

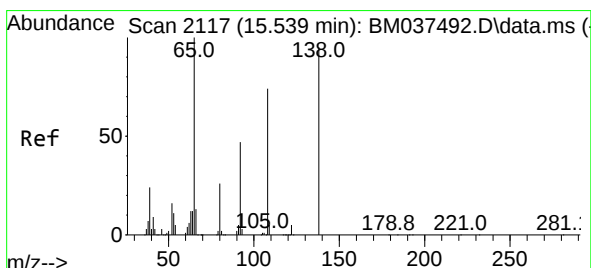
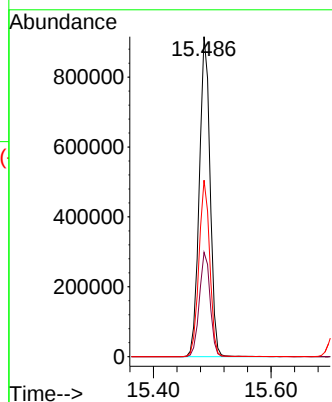
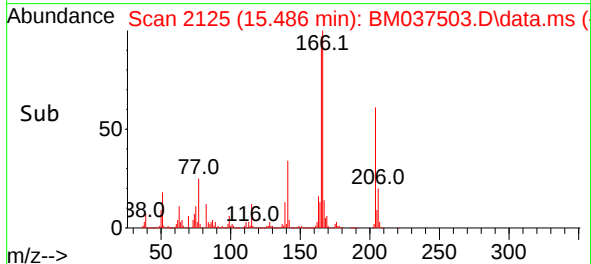


Tgt Ion:204 Resp: 1162158  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.8 38.8  
141 55.1 43.6 65.4

Manual Integrations

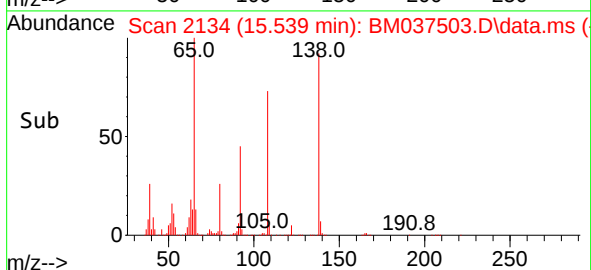
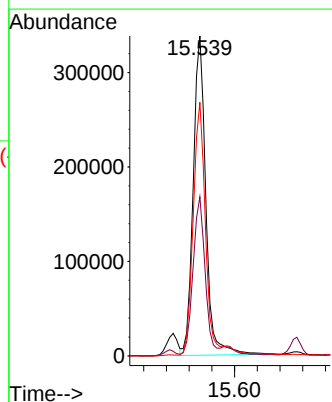
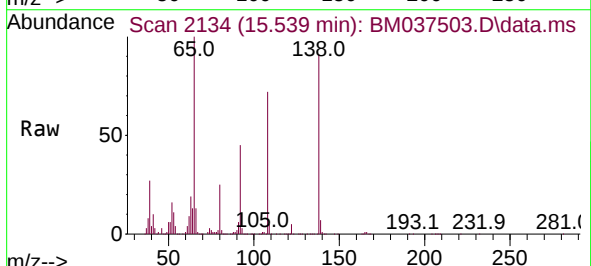
APPROVED

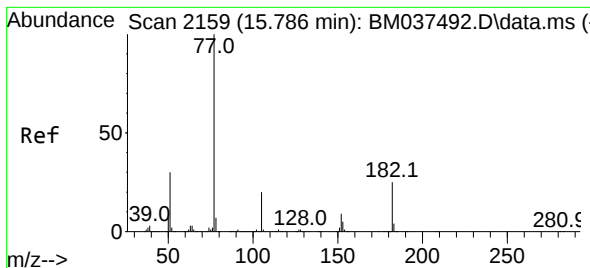
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#62  
4-Nitroaniline  
Concen: 39.639 ng  
RT: 15.539 min Scan# 2134  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

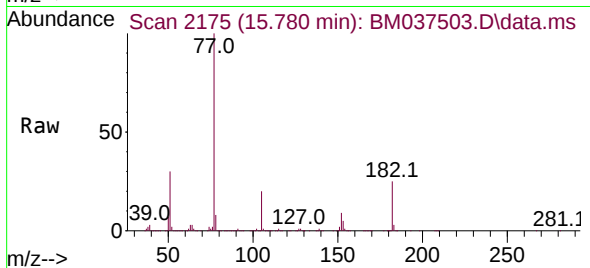
Tgt Ion:138 Resp: 521052  
Ion Ratio Lower Upper  
138 100  
92 49.7 28.9 68.9  
108 79.2 56.8 96.8





#63  
Azobenzene  
Concen: 43.774 ng  
RT: 15.780 min Scan# 2159  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

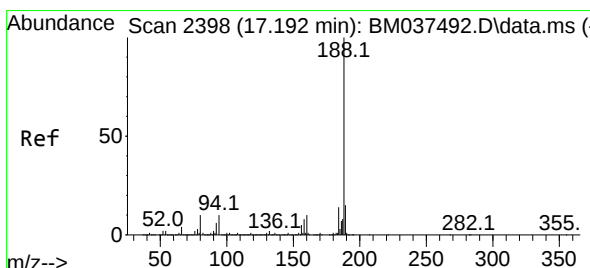
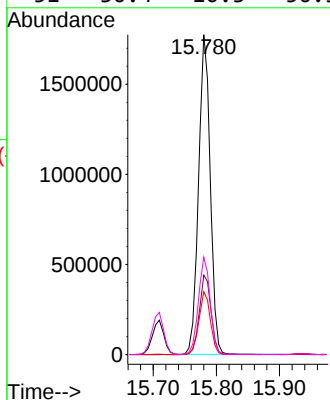
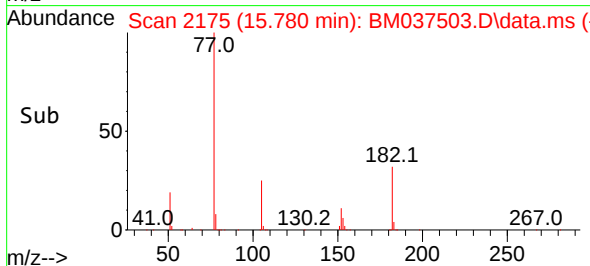
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



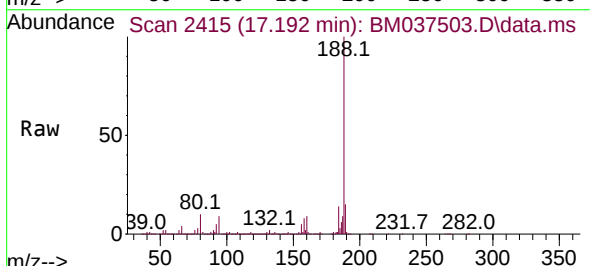
Tgt Ion: 77 Resp: 2277149  
Ion Ratio Lower Upper  
77 100  
182 24.8 5.0 45.0  
105 19.7 0.0 39.6  
51 30.4 10.3 50.3

Manual Integrations  
APPROVED

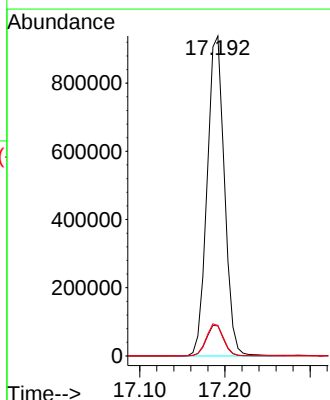
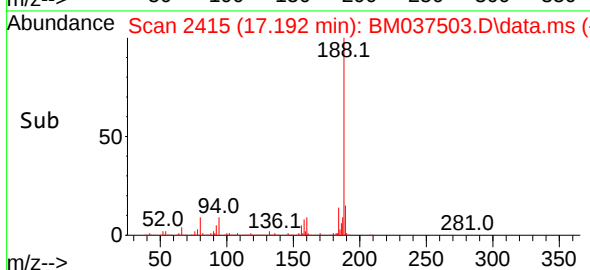
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

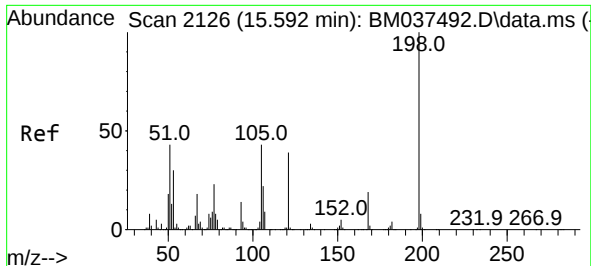


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.192 min Scan# 2415  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



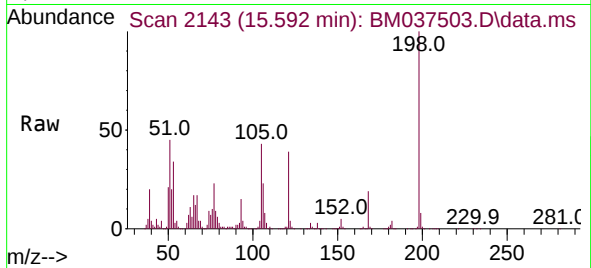
Tgt Ion:188 Resp: 1320037  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.8 11.6  
80 9.5 8.2 12.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.544 ng  
RT: 15.592 min Scan# 2126  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

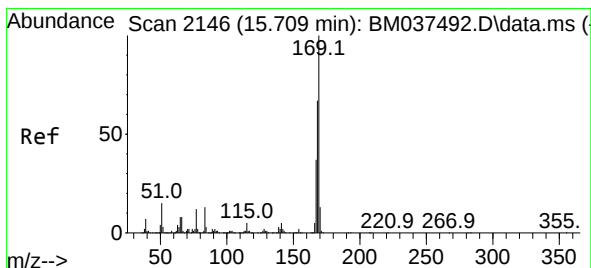
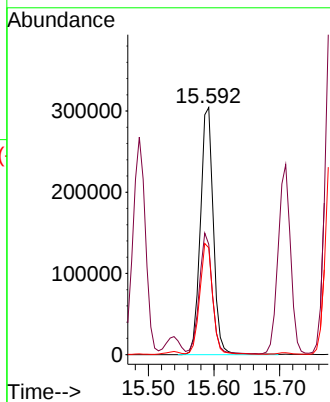
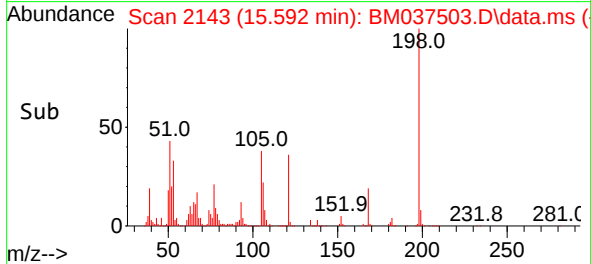
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:198 Resp: 41425  
Ion Ratio Lower Upper  
198 100  
51 44.6 26.3 66.3  
105 43.2 23.8 63.8

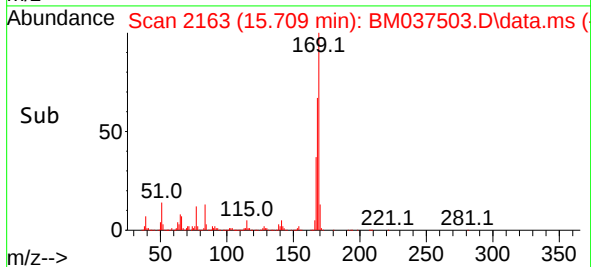
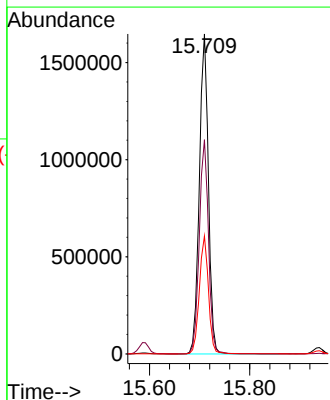
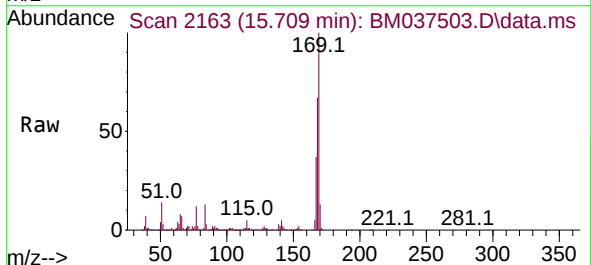
Manual Integrations  
APPROVED

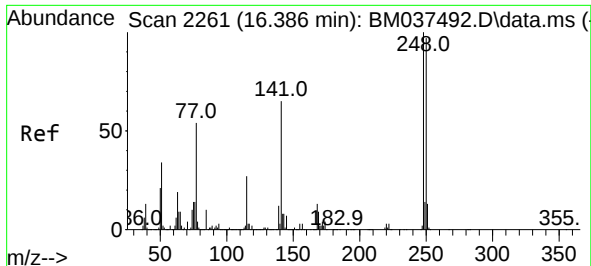
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#66  
n-Nitrosodiphenylamine  
Concen: 48.836 ng  
RT: 15.709 min Scan# 2163  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

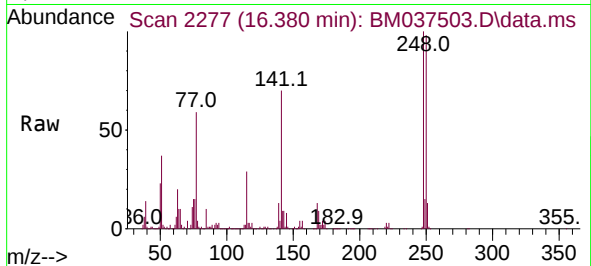
Tgt Ion:169 Resp: 2068120  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.9 80.9  
167 36.8 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 48.338 ng  
RT: 16.380 min Scan# 2261  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

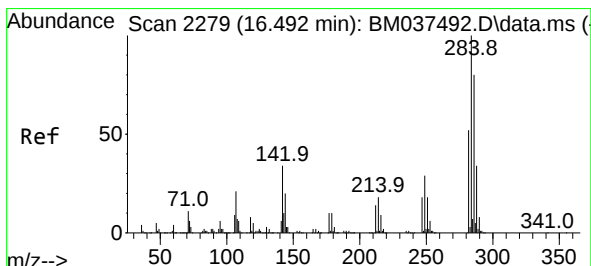
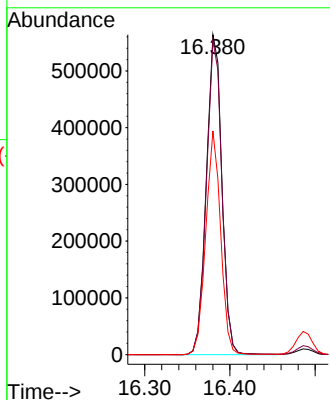
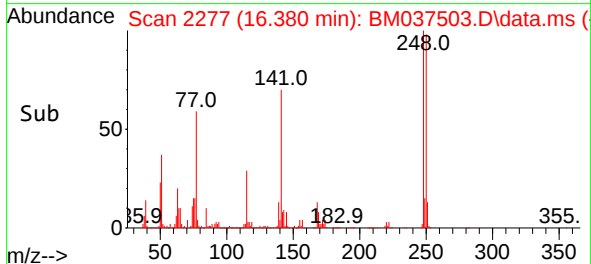
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:248 Resp: 714173  
Ion Ratio Lower Upper  
248 100  
250 98.2 77.8 116.8  
141 69.9 52.2 78.2

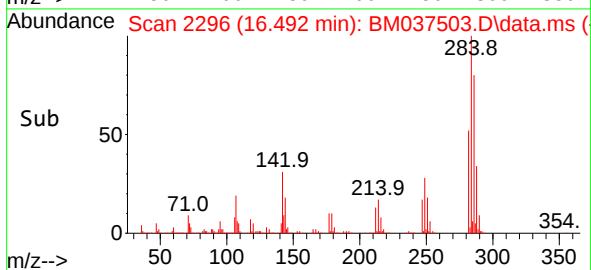
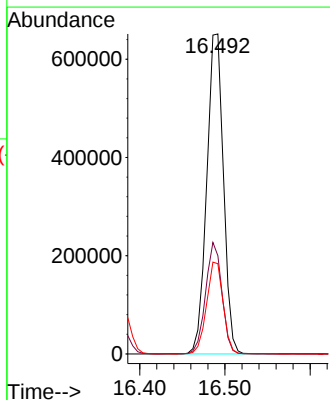
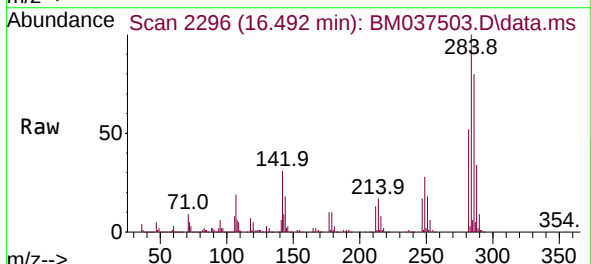
Manual Integrations  
APPROVED

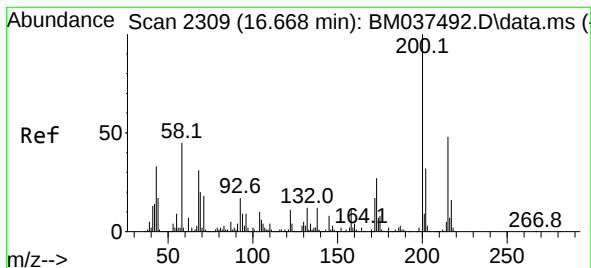
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#68  
Hexachlorobenzene  
Concen: 48.072 ng  
RT: 16.492 min Scan# 2296  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:284 Resp: 886167  
Ion Ratio Lower Upper  
284 100  
142 30.7 26.9 40.3  
249 28.2 22.9 34.3





#69

Atrazine

Concen: 52.804 ng

RT: 16.668 min Scan# 2309

Delta R.T. 0.000 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

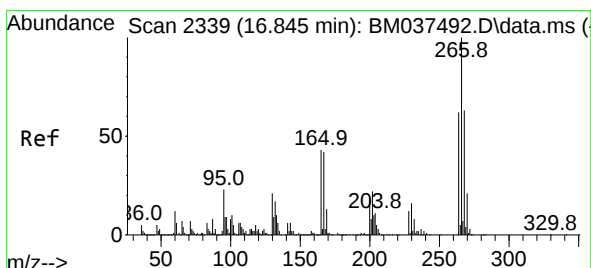
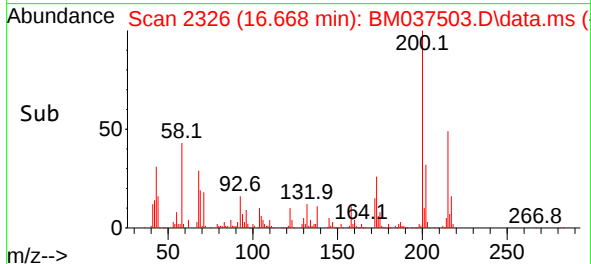
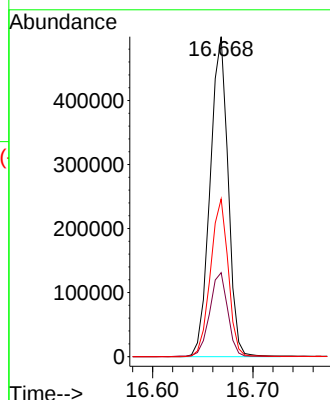
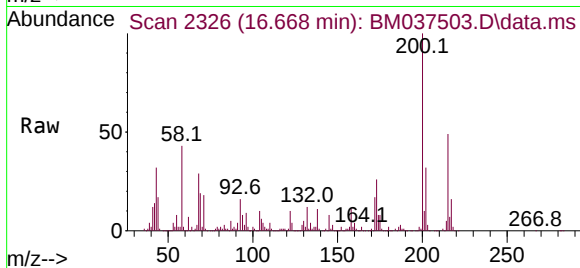
PB148855BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 622292 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 26.2  | 6.5   | 46.5   |
| 215       | 49.3  | 28.3  | 68.3   |

Manual Integrations

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Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#70

Pentachlorophenol

Concen: 109.519 ng

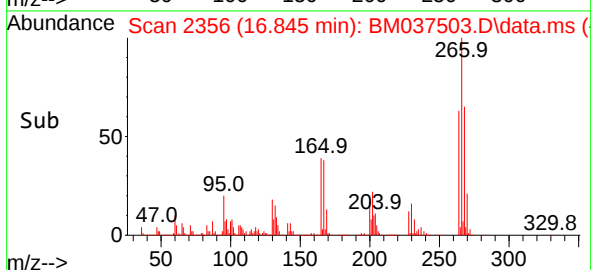
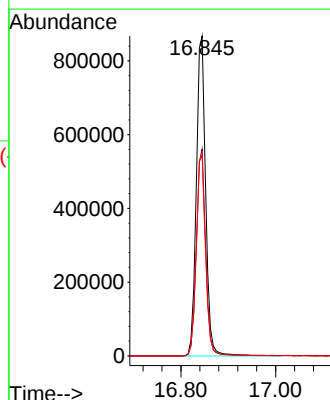
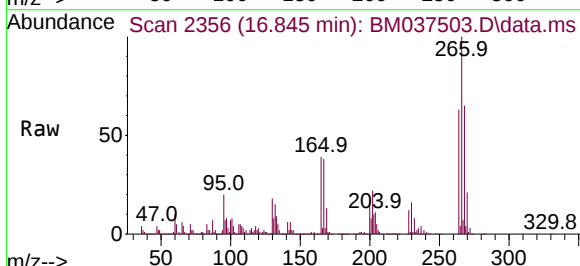
RT: 16.845 min Scan# 2356

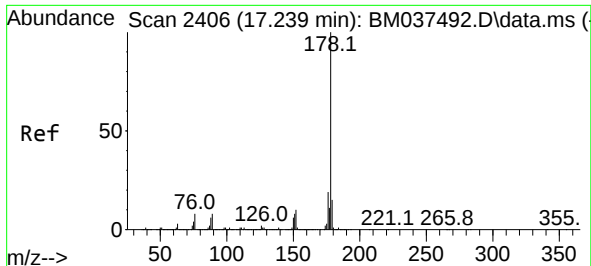
Delta R.T. 0.000 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

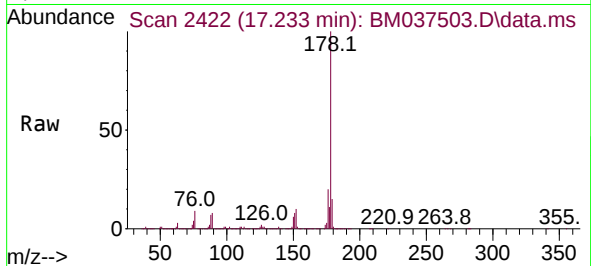
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 266   | Resp: | 1188588 |
| Ion Ratio | Lower | Upper |         |
| 266       | 100   |       |         |
| 268       | 64.6  | 50.6  | 75.8    |
| 264       | 62.7  | 49.5  | 74.3    |





#71  
Phenanthrene  
Concen: 46.275 ng  
RT: 17.233 min Scan# 2406  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

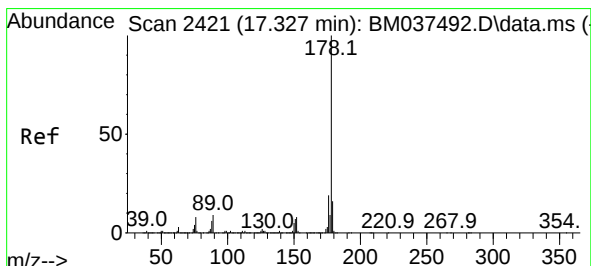
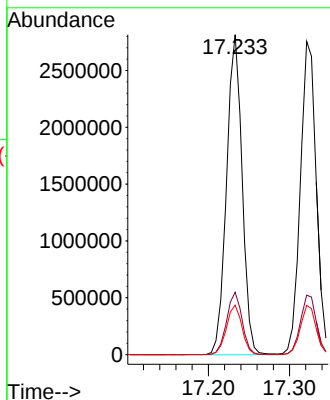
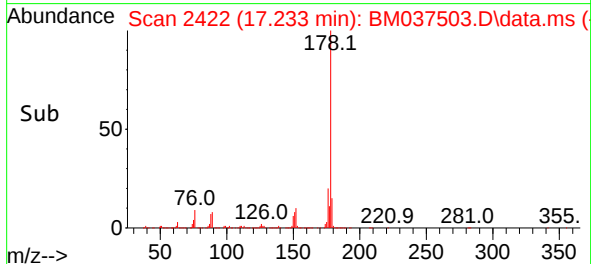
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



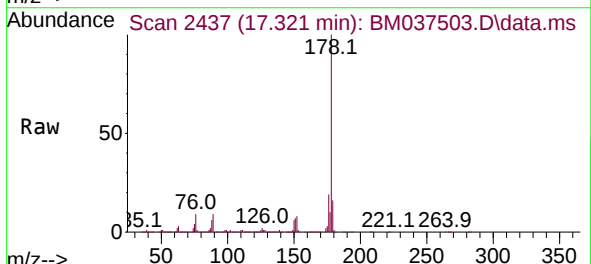
Tgt Ion:178 Resp: 3749797  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.6 23.4  
179 15.4 12.2 18.4

Manual Integrations  
APPROVED

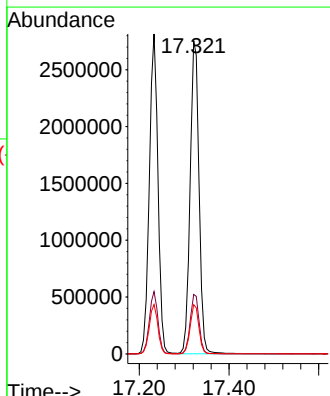
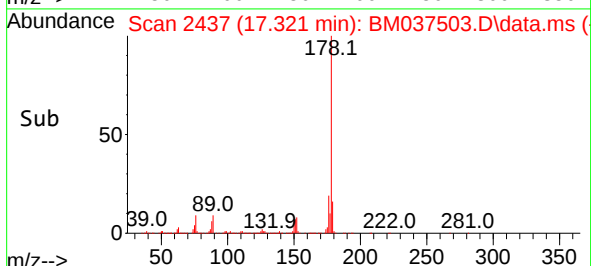
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

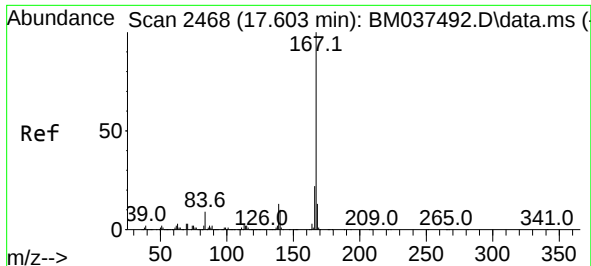


#72  
Anthracene  
Concen: 48.740 ng  
RT: 17.321 min Scan# 2437  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



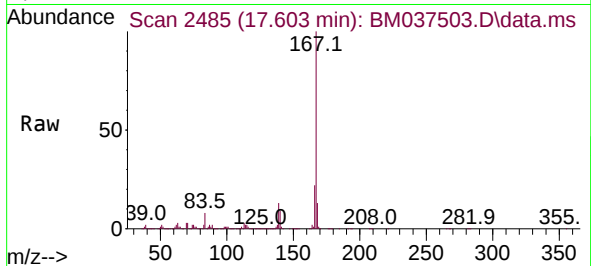
Tgt Ion:178 Resp: 3787319  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.0 22.6  
179 15.7 12.4 18.6





#73  
 Carbazole  
 Concen: 48.458 ng  
 RT: 17.603 min Scan# 2468  
 Delta R.T. 0.000 min  
 Lab File: BM037503.D  
 Acq: 14 Nov 2022 15:35

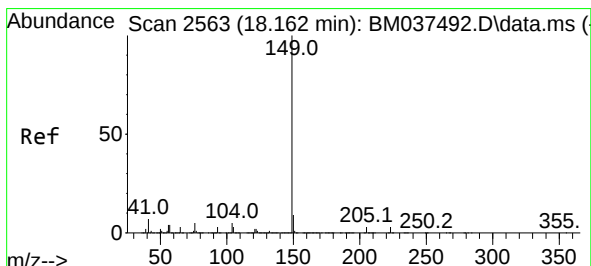
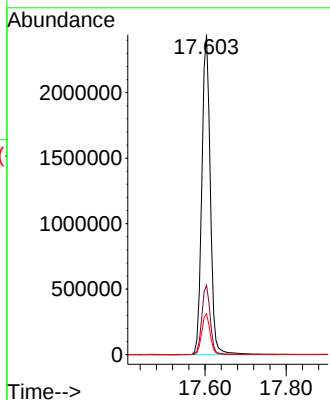
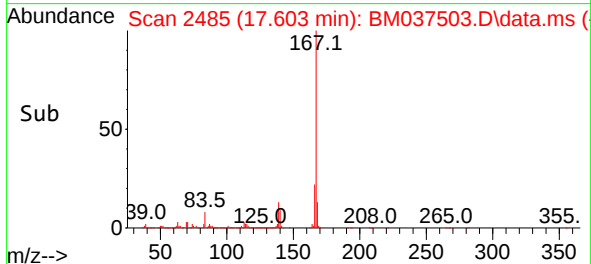
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB148855BS



Tgt Ion:167 Resp: 3520599  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.3 25.9  
 139 12.7 10.2 15.2

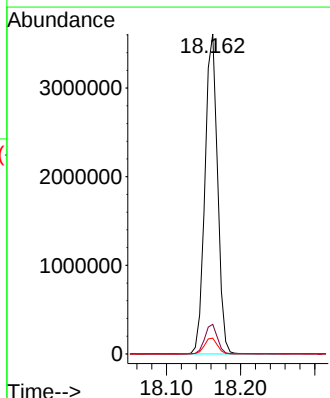
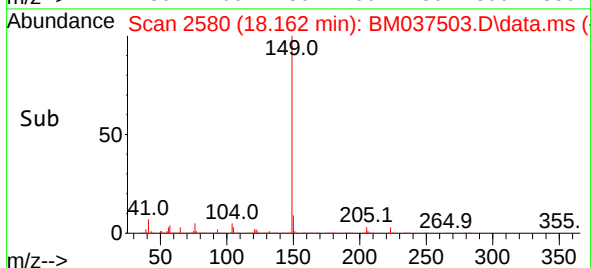
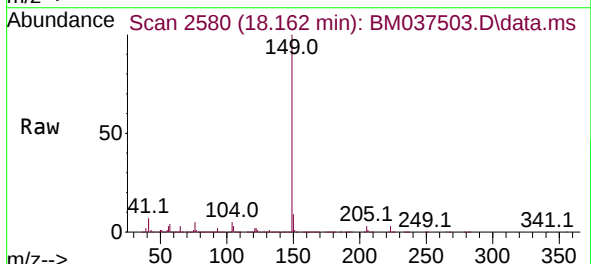
Manual Integrations  
 APPROVED

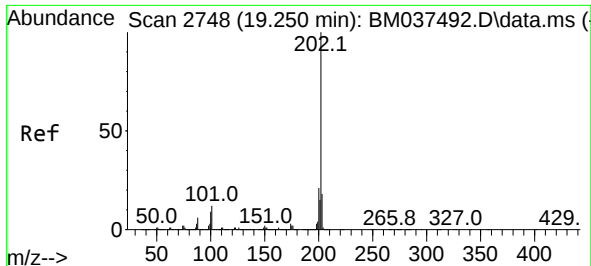
Reviewed By :Christian Giraldo 11/15/2022  
 Supervised By :mohammad ahmed 11/17/2022



#74  
 Di-n-butylphthalate  
 Concen: 43.992 ng  
 RT: 18.162 min Scan# 2580  
 Delta R.T. 0.000 min  
 Lab File: BM037503.D  
 Acq: 14 Nov 2022 15:35

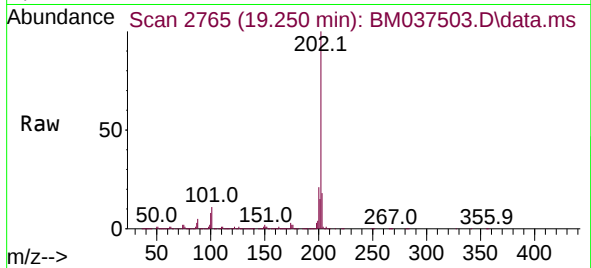
Tgt Ion:149 Resp: 4253774  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.4 11.2  
 104 4.9 4.1 6.1





#75  
Fluoranthene  
Concen: 45.155 ng  
RT: 19.250 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

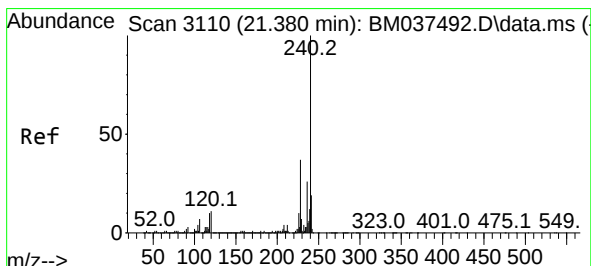
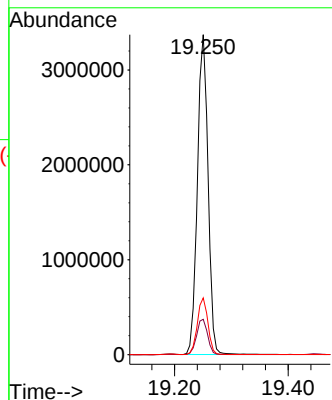
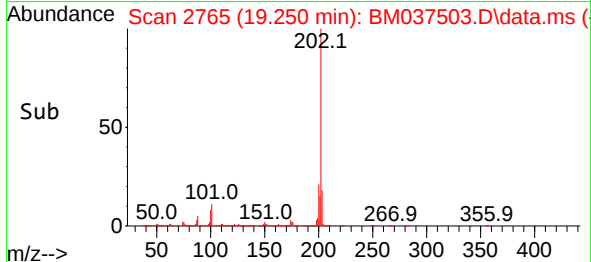
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



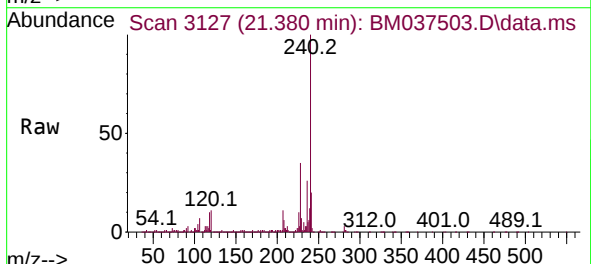
Tgt Ion:202 Resp: 4361423  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 31.8  
203 17.7 0.0 37.7

Manual Integrations  
APPROVED

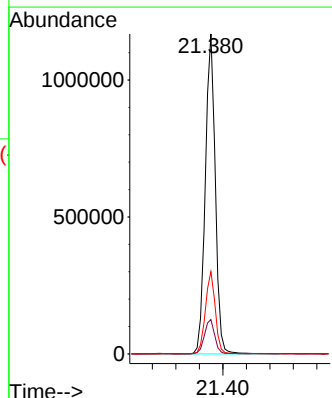
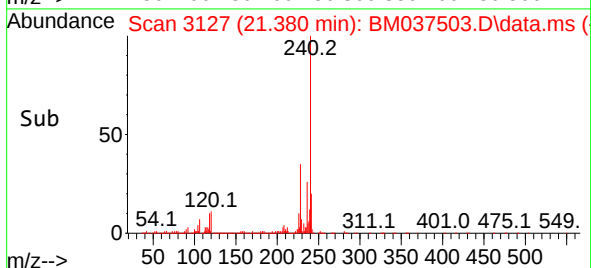
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

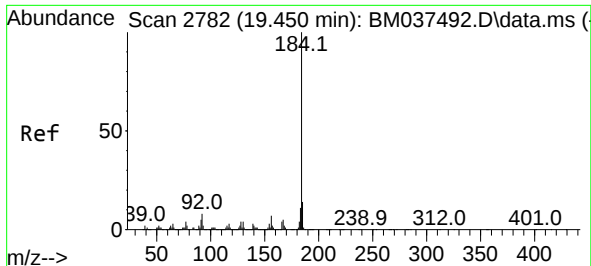


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.380 min Scan# 3127  
Delta R.T. -0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



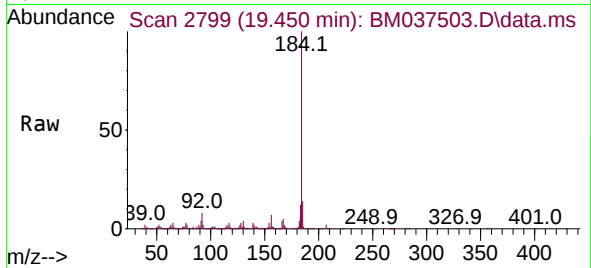
Tgt Ion:240 Resp: 1379545  
Ion Ratio Lower Upper  
240 100  
120 10.7 8.6 13.0  
236 25.7 20.8 31.2





#77  
Benzidine  
Concen: 76.582 ng  
RT: 19.450 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

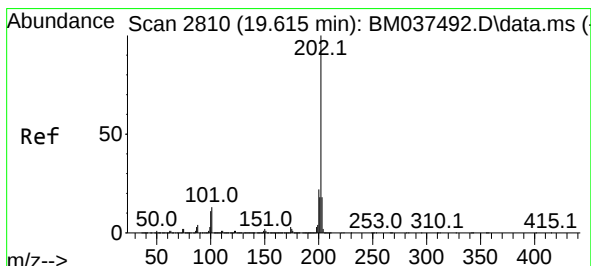
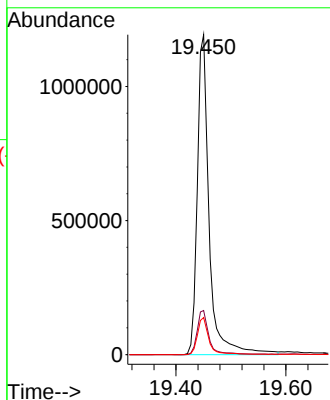
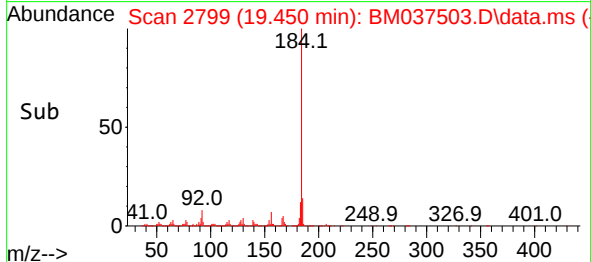
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



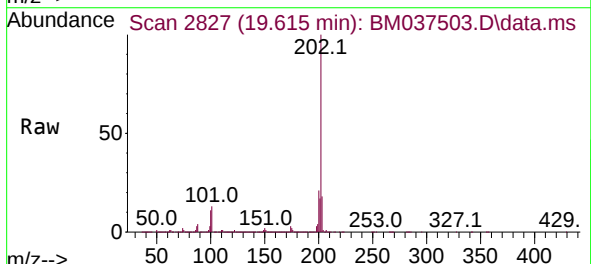
Tgt Ion:184 Resp: 1776222  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.1 16.7  
183 11.6 9.0 13.6

Manual Integrations  
APPROVED

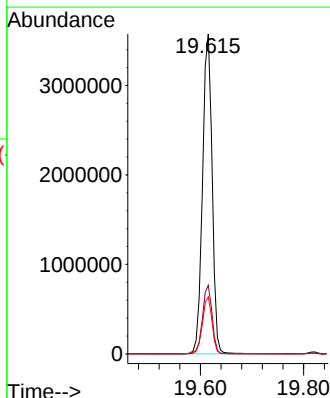
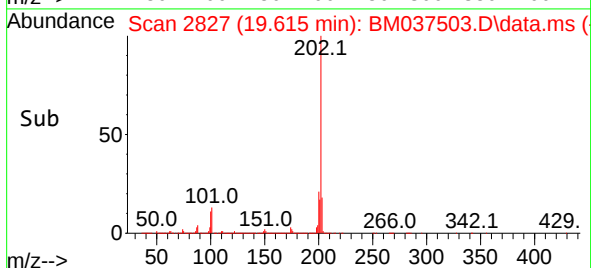
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

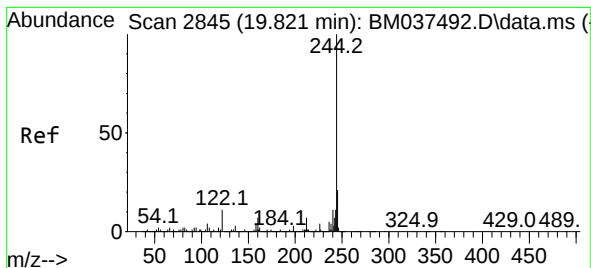


#78  
Pyrene  
Concen: 50.974 ng  
RT: 19.615 min Scan# 2827  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:202 Resp: 4611746  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.2 25.8  
203 17.8 14.3 21.5





#79

Terphenyl-d14

Concen: 109.556 ng

RT: 19.821 min Scan# 2845

Delta R.T. -0.000 min

Lab File: BM037503.D

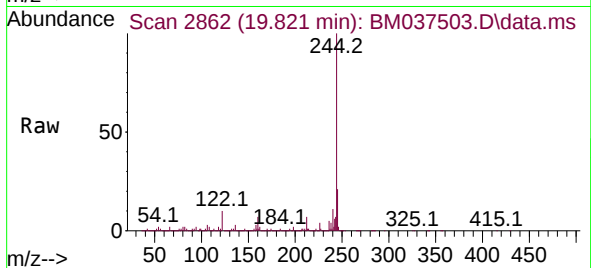
Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS



Tgt Ion:244 Resp: 7567624

Ion Ratio Lower Upper

244 100

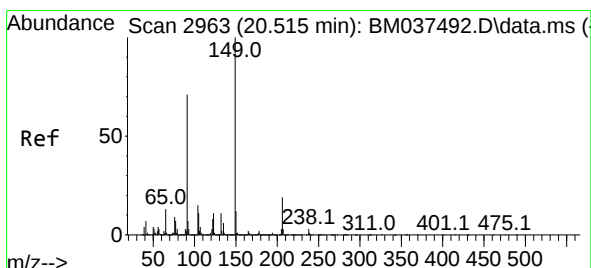
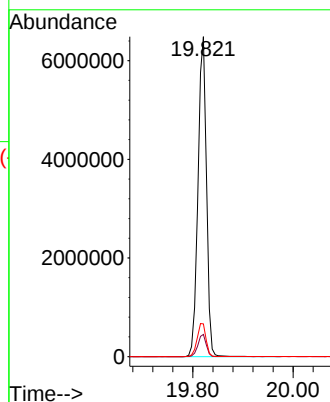
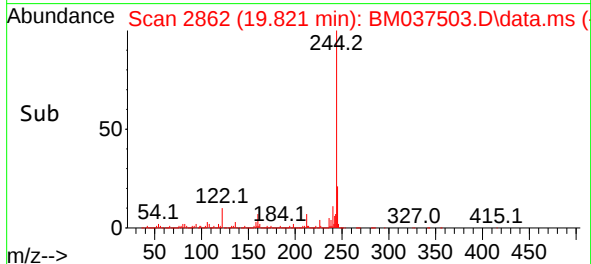
212 6.9 5.5 8.3

122 10.2 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#80

Butylbenzylphthalate

Concen: 50.483 ng

RT: 20.515 min Scan# 2980

Delta R.T. 0.000 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

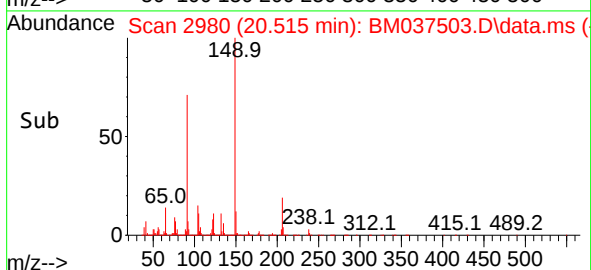
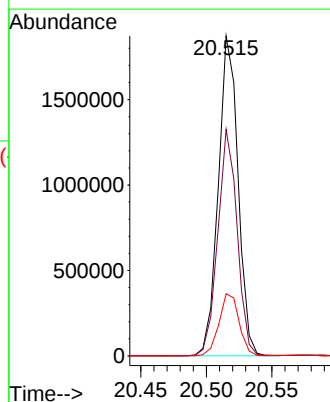
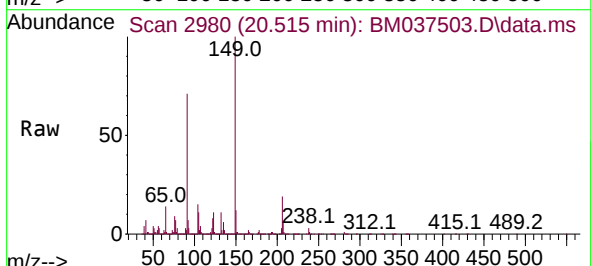
Tgt Ion:149 Resp: 1963505

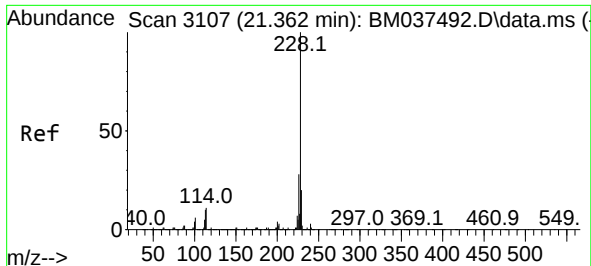
Ion Ratio Lower Upper

149 100

91 70.8 56.6 85.0

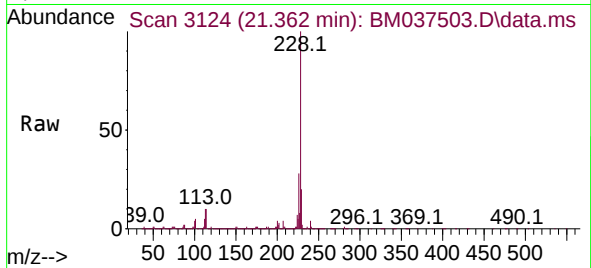
206 19.4 15.4 23.2





#81  
Benzo(a)anthracene  
Concen: 47.242 ng  
RT: 21.362 min Scan# 3107  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

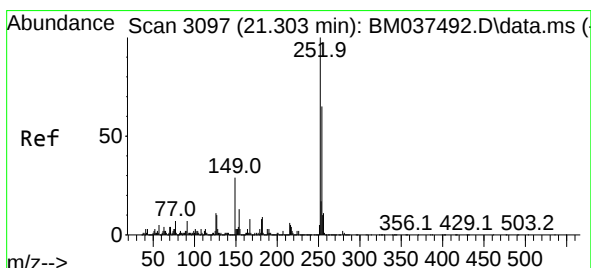
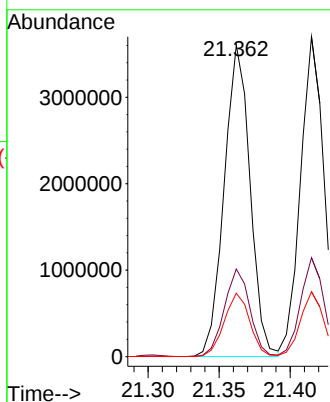
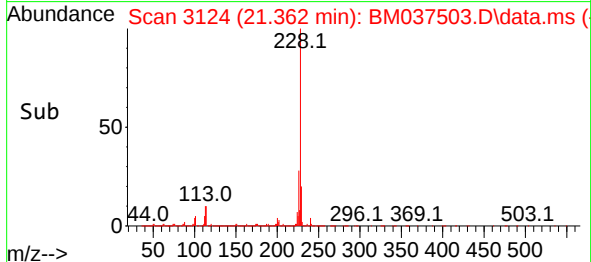
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:228 Resp: 4568425  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.4 33.6  
229 20.4 16.2 24.2

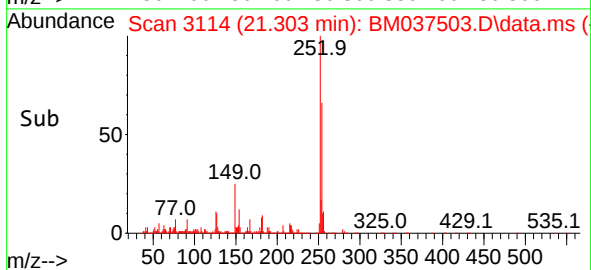
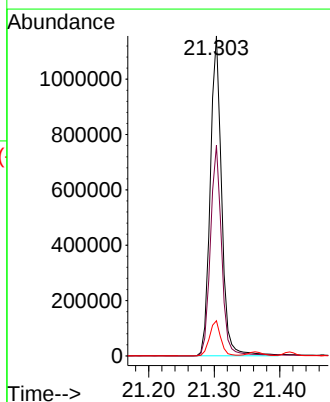
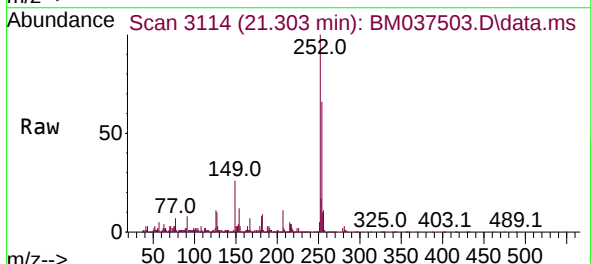
Manual Integrations  
APPROVED

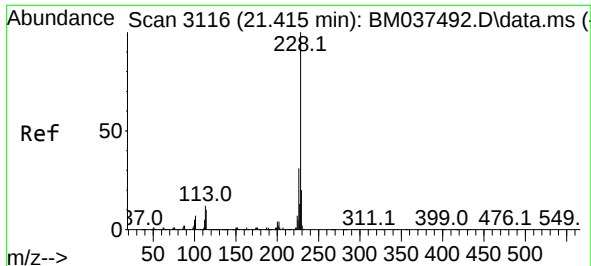
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#82  
3,3'-Dichlorobenzidine  
Concen: 44.314 ng  
RT: 21.303 min Scan# 3114  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

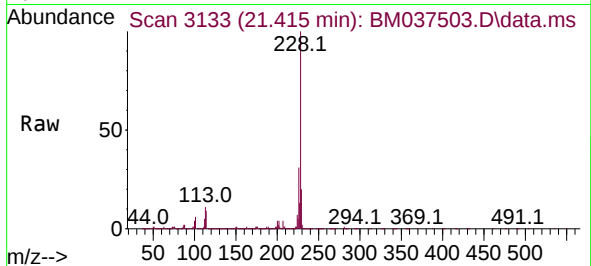
Tgt Ion:252 Resp: 1392368  
Ion Ratio Lower Upper  
252 100  
254 65.8 52.3 78.5  
126 11.0 8.8 13.2





#83  
Chrysene  
Concen: 45.839 ng  
RT: 21.415 min Scan# 3116  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

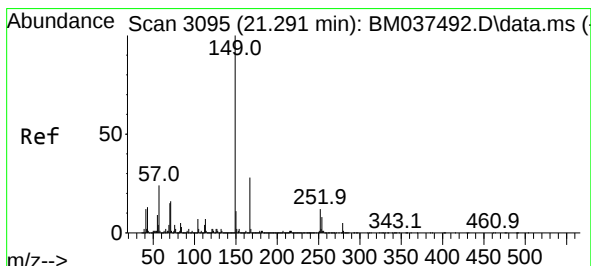
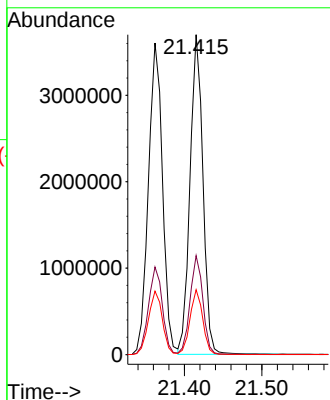
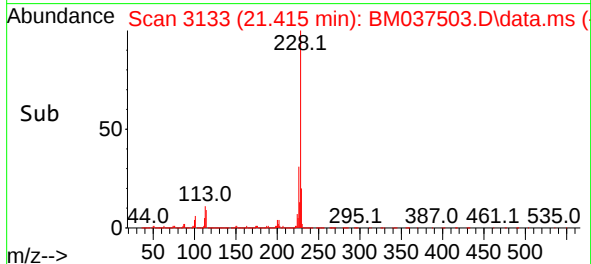
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:228 Resp: 4279626  
Ion Ratio Lower Upper  
228 100  
226 30.9 25.0 37.4  
229 20.3 16.2 24.2

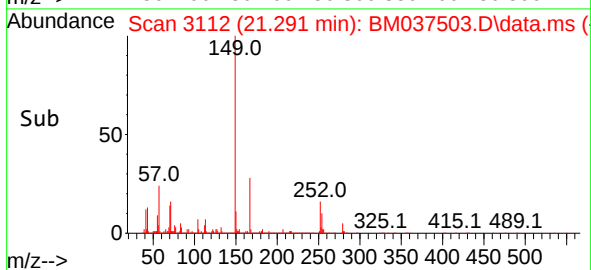
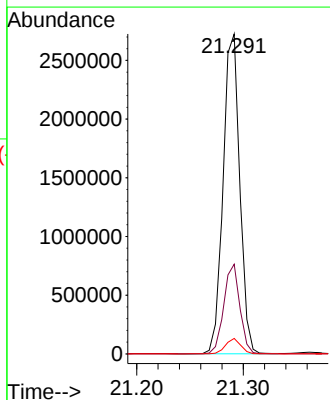
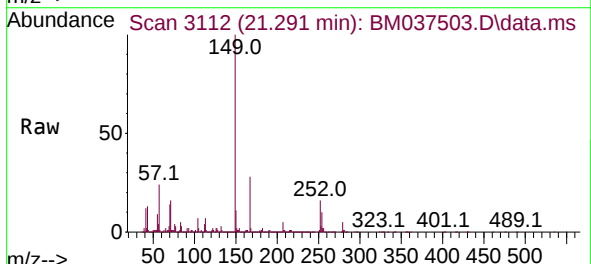
Manual Integrations  
APPROVED

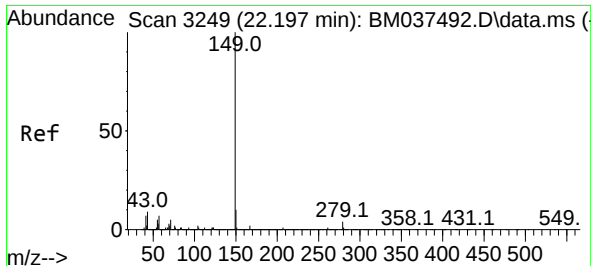
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.616 ng  
RT: 21.291 min Scan# 3112  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

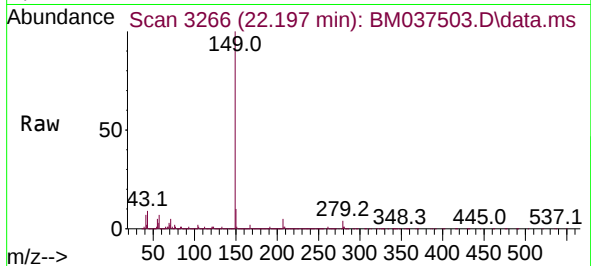
Tgt Ion:149 Resp: 2957700  
Ion Ratio Lower Upper  
149 100  
167 28.0 22.3 33.5  
279 4.8 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 48.512 ng  
RT: 22.197 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

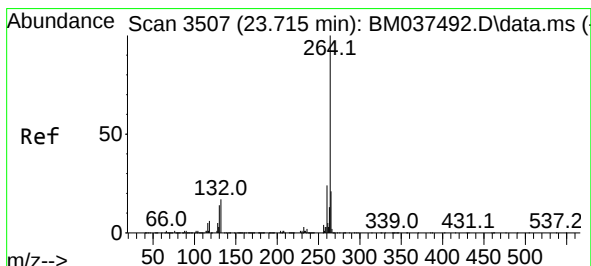
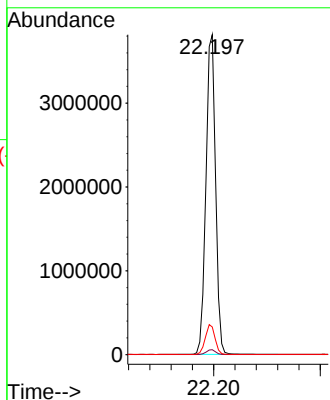
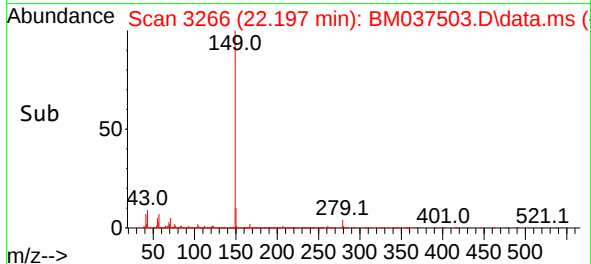
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



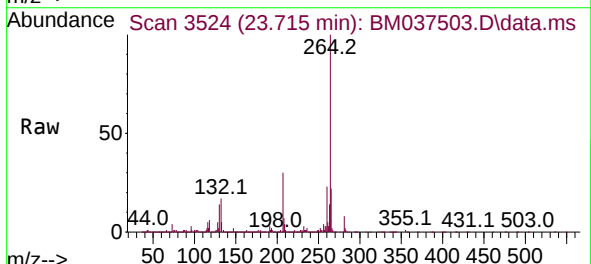
Tgt Ion:149 Resp: 4770532  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 9.5 7.6 11.4

Manual Integrations  
APPROVED

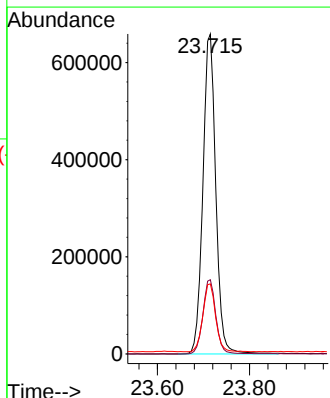
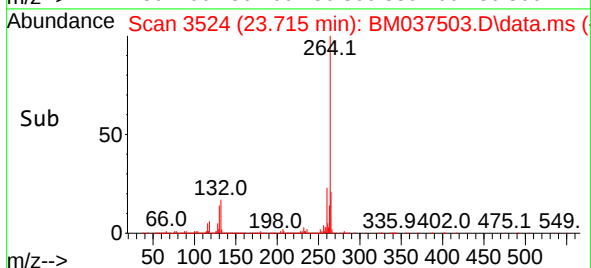
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

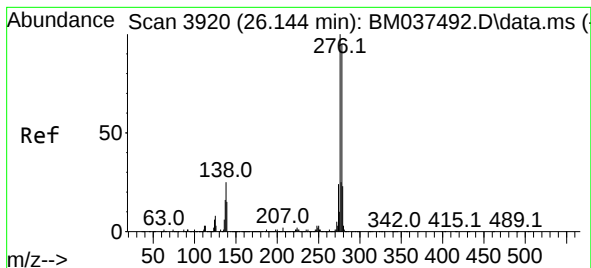


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.715 min Scan# 3524  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



Tgt Ion:264 Resp: 1271244  
Ion Ratio Lower Upper  
264 100  
260 23.2 19.1 28.7  
265 21.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.685 ng

RT: 26.132 min Scan# 3920

Delta R.T. -0.012 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

Instrument :

BNA\_M

ClientSampleId :

PB148855BS

Tgt Ion:276 Resp: 4586649

Ion Ratio Lower Upper

276 100

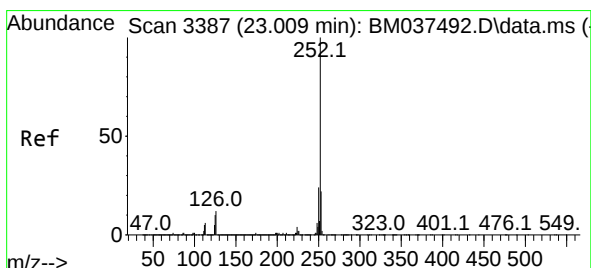
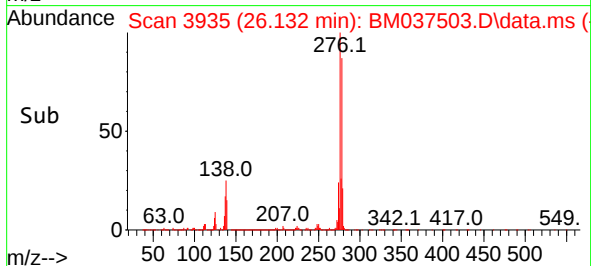
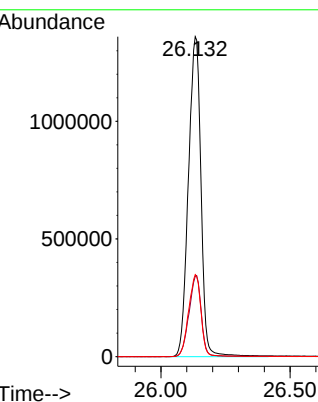
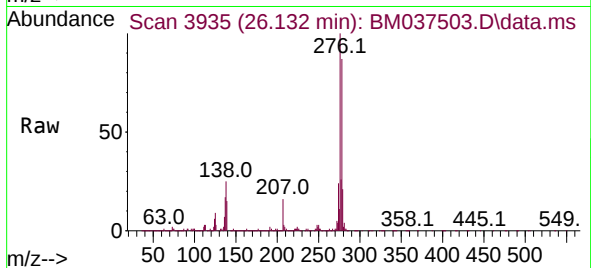
138 24.8 19.7 29.5

277 25.2 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#88

Benzo(b)fluoranthene

Concen: 52.571 ng

RT: 23.003 min Scan# 3403

Delta R.T. -0.006 min

Lab File: BM037503.D

Acq: 14 Nov 2022 15:35

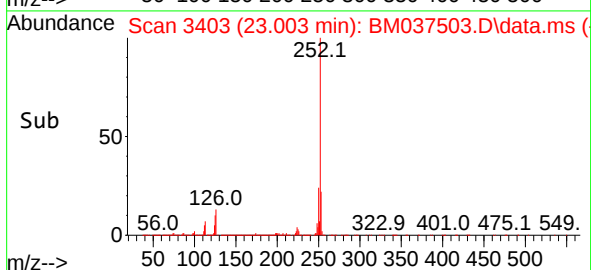
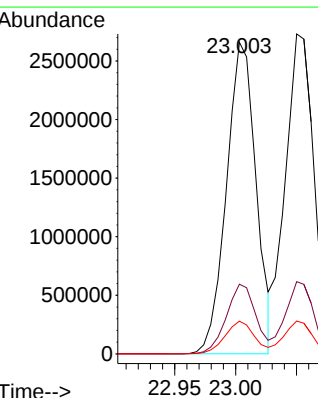
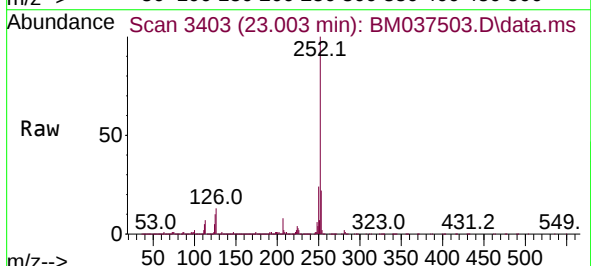
Tgt Ion:252 Resp: 4481146

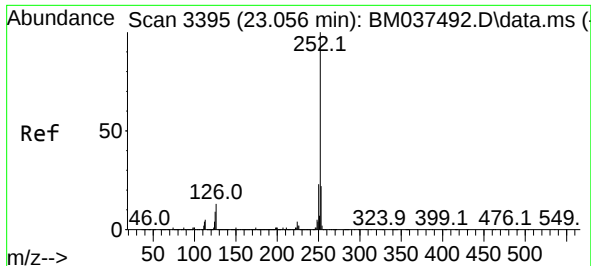
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

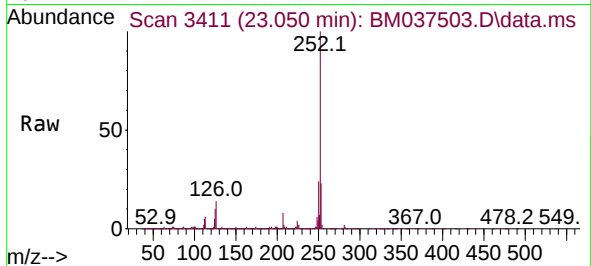
125 10.5 7.8 11.6





#89  
Benzo(k)fluoranthene  
Concen: 52.245 ng  
RT: 23.050 min Scan# 34  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

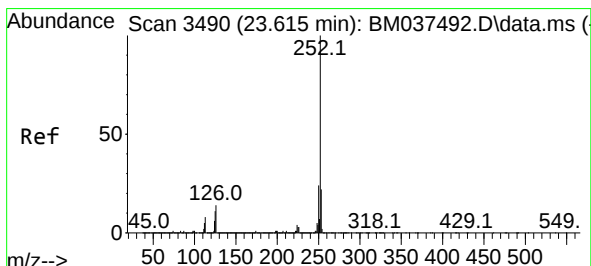
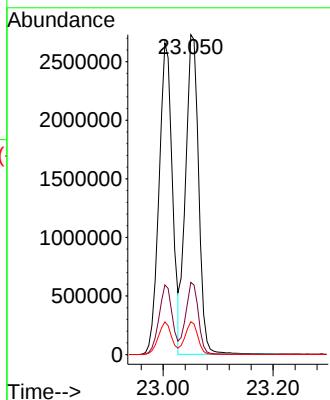
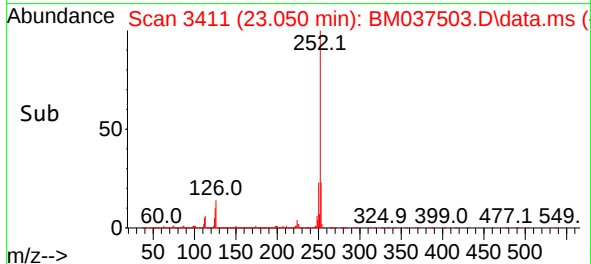
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



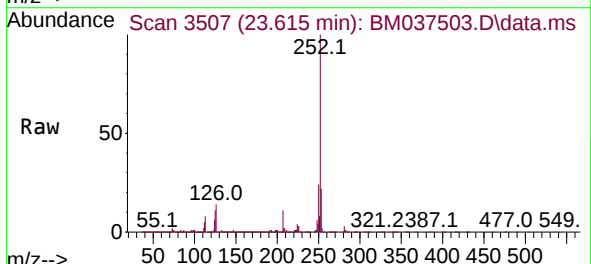
Tgt Ion:252 Resp: 4516784  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.8 26.8  
125 10.3 7.7 11.5

Manual Integrations  
APPROVED

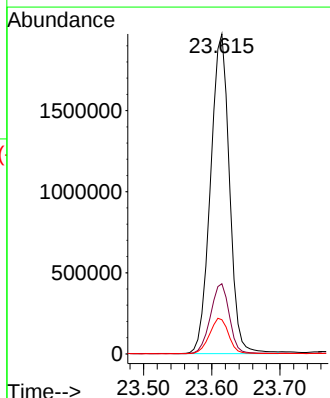
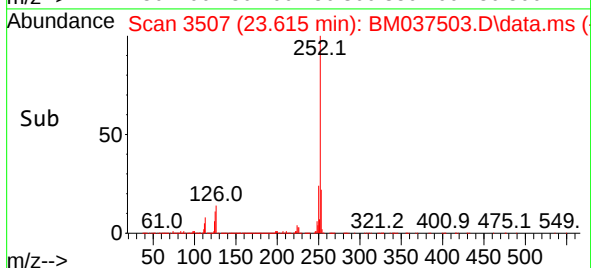
Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022

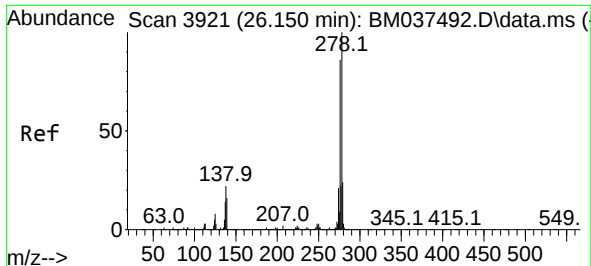


#90  
Benzo(a)pyrene  
Concen: 53.265 ng  
RT: 23.615 min Scan# 3507  
Delta R.T. 0.000 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35



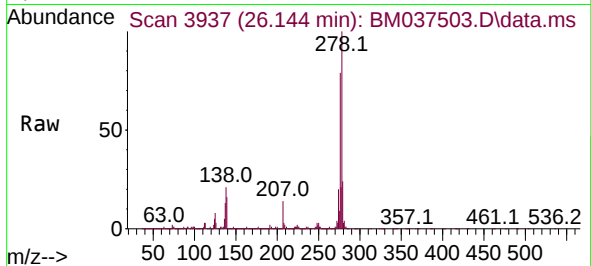
Tgt Ion:252 Resp: 3783343  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 10.7 8.8 13.2





#91  
Dibenzo(a,h)anthracene  
Concen: 45.470 ng  
RT: 26.144 min Scan# 3921  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

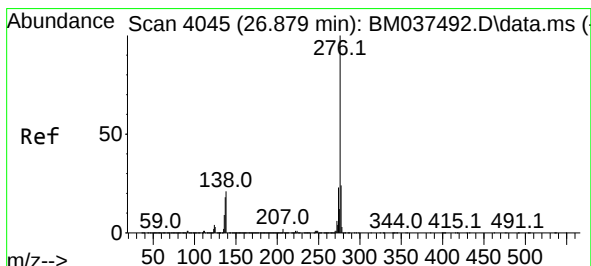
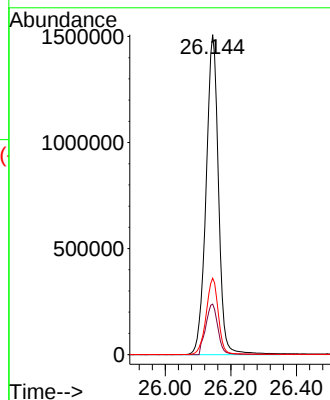
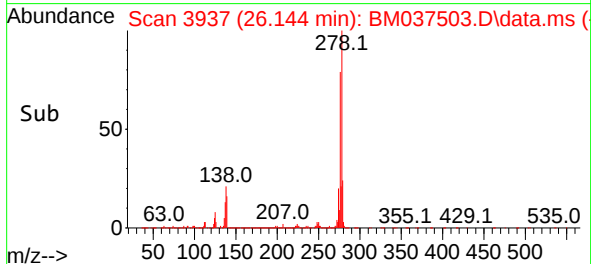
Instrument :  
BNA\_M  
ClientSampleId :  
PB148855BS



Tgt Ion:278 Resp: 3954496  
Ion Ratio Lower Upper  
278 100  
139 15.8 12.6 18.8  
279 23.9 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 11/15/2022  
Supervised By :mohammad ahmed 11/17/2022



#92  
Benzo(g,h,i)perylene  
Concen: 43.495 ng  
RT: 26.873 min Scan# 4061  
Delta R.T. -0.006 min  
Lab File: BM037503.D  
Acq: 14 Nov 2022 15:35

Tgt Ion:276 Resp: 3660180  
Ion Ratio Lower Upper  
276 100  
277 24.2 19.5 29.3  
138 21.4 17.0 25.6

