

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP013123\  
 Data File : BP013684.D  
 Acq On : 31 Jan 2023 21:04  
 Operator : CG/JU  
 Sample : PB150378BS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB150378BS

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 02/01/2023  
 Supervised By :Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 06:32:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 03:43:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.140  | 152  | 297815   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.969 | 136  | 1192599  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.775 | 164  | 801024   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.528 | 188  | 1851077  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.610 | 240  | 1639741  | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.180 | 264  | 1453642  | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 2538359  | 145.702 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.293  | 99   | 3339075  | 143.864 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.316  | 82   | 1851739  | 90.320  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.269 | 330  | 1697472  | 141.285 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.404 | 172  | 4876543  | 85.186  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.057 | 244  | 8534837  | 103.358 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.517  | 88   | 248645   | 33.735  | ng    | 99       |
| 3) Pyridine                   | 3.928  | 79   | 700320   | 33.001  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.834  | 42   | 318523   | 41.860  | ng    | 99       |
| 6) Aniline                    | 7.458  | 93   | 1267180  | 41.880  | ng    | 100      |
| 8) 2-Chlorophenol             | 7.699  | 128  | 889507   | 48.498  | ng    | 98       |
| 9) Benzaldehyde               | 7.269  | 77   | 392402m  | 28.969  | ng    |          |
| 10) Phenol                    | 7.316  | 94   | 1199208  | 49.459  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.552  | 93   | 881895   | 45.532  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.028  | 146  | 954678   | 46.208  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 8.175  | 146  | 973892   | 46.588  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.499  | 146  | 942979   | 47.141  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.381  | 79   | 791175m  | 48.139  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.675  | 45   | 1054362  | 46.610  | ng    | 99       |
| 17) 2-Methylphenol            | 8.581  | 107  | 781032   | 45.968  | ng    | 99       |
| 18) Hexachloroethane          | 9.234  | 117  | 325235   | 47.182  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.958  | 70   | 667310   | 45.825  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.910  | 107  | 1057897  | 45.640  | ng    | 99       |
| 22) Acetophenone              | 8.975  | 105  | 1328988  | 42.733  | ng    | # 98     |
| 24) Nitrobenzene              | 9.358  | 77   | 963682   | 43.335  | ng    | 99       |
| 25) Isophorone                | 9.887  | 82   | 1916361  | 42.172  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.075 | 139  | 431681   | 42.269  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.128 | 122  | 838432   | 45.719  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.363 | 93   | 1183431  | 43.451  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.610 | 162  | 923449   | 46.264  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.828 | 180  | 983645   | 44.412  | ng    | 98       |
| 31) Naphthalene               | 11.022 | 128  | 2640523  | 42.109  | ng    | 100      |
| 32) Benzoic acid              | 10.269 | 122  | 612212   | 42.248  | ng    | 97       |
| 33) 4-Chloroaniline           | 11.122 | 127  | 671860   | 24.384  | ng    | 99       |
| 34) Hexachlorobutadiene       | 11.304 | 225  | 617034   | 43.889  | ng    | 99       |
| 35) Caprolactam               | 11.916 | 113  | 281525m  | 42.947  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.234 | 107  | 938418   | 44.694  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.616 | 142  | 1900067  | 40.298  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.834 | 142  | 1783880  | 40.277  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.981 | 216  | 1187147  | 43.410  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.957 | 237  | 1347081  | 107.923 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.210 | 196  | 816214   | 45.326  | ng    | 98       |

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Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB150378BS

Manual Integrations  
 APPROVED

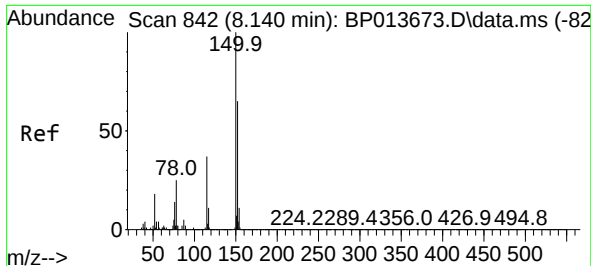
Reviewed By : Christian Giraldo 02/01/2023  
 Supervised By : Jagrut Upadhyay 02/01/2023

Quant Time: Feb 01 06:32:22 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 01 03:43:48 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.287 | 196  | 896098   | 42.502 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.610 | 154  | 2579371  | 42.552 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.657 | 162  | 2004868  | 42.789 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.857 | 65   | 471762   | 40.830 | ng    | 99       |
| 49) Acenaphthylene            | 14.498 | 152  | 3185877  | 42.163 | ng    | 99       |
| 50) Dimethylphthalate         | 14.228 | 163  | 2657412  | 42.891 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.345 | 165  | 550559   | 43.527 | ng    | 99       |
| 52) Acenaphthene              | 14.840 | 154  | 2285561m | 46.984 | ng    |          |
| 53) 3-Nitroaniline            | 14.675 | 138  | 435346   | 33.113 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.881 | 184  | 715278   | 85.614 | ng    | 97       |
| 55) Dibenzofuran              | 15.175 | 168  | 3152288  | 41.406 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.981 | 139  | 1010325  | 94.052 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 15.134 | 165  | 751250   | 44.321 | ng    | 99       |
| 58) Fluorene                  | 15.822 | 166  | 2508341  | 41.965 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.398 | 232  | 832052   | 45.384 | ng    | 99       |
| 60) Diethylphthalate          | 15.587 | 149  | 2552116  | 42.968 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.810 | 204  | 1377167  | 42.310 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.845 | 138  | 540433   | 40.362 | ng    | 99       |
| 63) Azobenzene                | 16.104 | 77   | 2333492  | 42.530 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.898 | 198  | 447924   | 42.477 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 16.028 | 169  | 2275021  | 42.240 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.710 | 248  | 919418   | 43.329 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.828 | 284  | 1071399  | 45.597 | ng    | 97       |
| 69) Atrazine                  | 16.981 | 200  | 863738   | 49.284 | ng    | 99       |
| 70) Pentachlorophenol         | 17.175 | 266  | 1445994  | 83.427 | ng    | 99       |
| 71) Phenanthrene              | 17.575 | 178  | 4238463  | 42.719 | ng    | 99       |
| 72) Anthracene                | 17.663 | 178  | 4257449  | 42.504 | ng    | 99       |
| 73) Carbazole                 | 17.928 | 167  | 3861927  | 42.460 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.457 | 149  | 4331139  | 43.515 | ng    | 99       |
| 75) Fluoranthene              | 19.522 | 202  | 5110055  | 41.370 | ng    | 100      |
| 77) Benzidine                 | 19.692 | 184  | 1839741  | 51.944 | ng    | 99       |
| 78) Pyrene                    | 19.875 | 202  | 5243756  | 47.533 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.727 | 149  | 1461881  | 48.541 | ng    | 98       |
| 81) Benzo(a)anthracene        | 21.592 | 228  | 4968194  | 43.621 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.510 | 252  | 1361890  | 37.821 | ng    | 99       |
| 83) Chrysene                  | 21.645 | 228  | 4577755  | 42.186 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.486 | 149  | 2294930  | 44.754 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.474 | 149  | 3767878  | 40.239 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 26.904 | 276  | 4198180  | 37.975 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.386 | 252  | 4491017  | 51.404 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.439 | 252  | 4288510  | 49.007 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.069 | 252  | 3690409  | 42.554 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 26.921 | 278  | 3562245  | 38.820 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 27.739 | 276  | 3413658  | 37.455 | ng    | 99       |

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





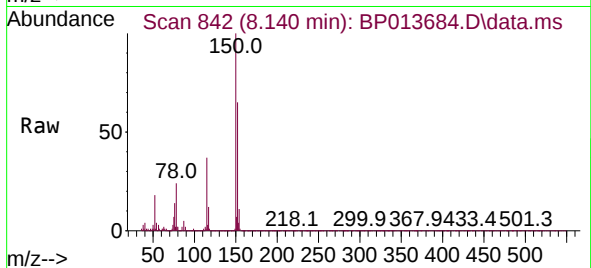
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.140 min Scan# 842  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

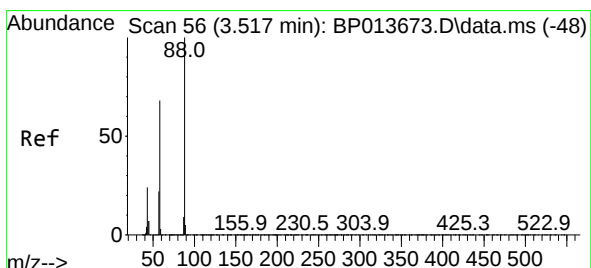
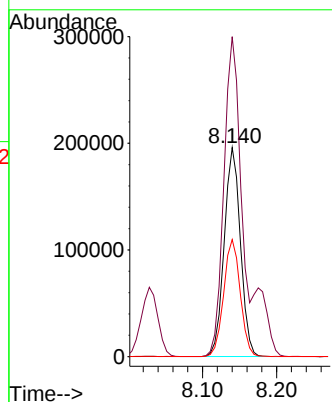
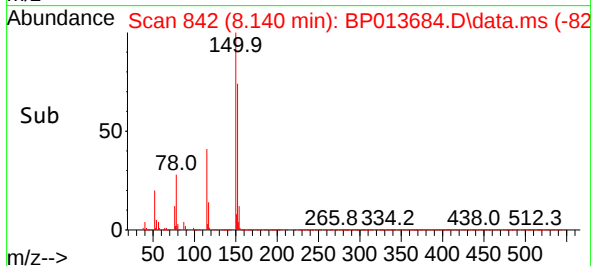


Tgt Ion:152 Resp: 297815  
Ion Ratio Lower Upper  
152 100  
150 153.1 123.6 185.4  
115 56.0 45.4 68.0

Manual Integrations

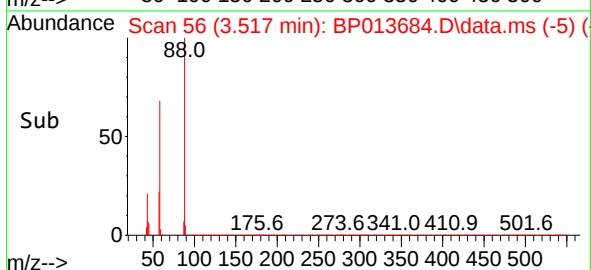
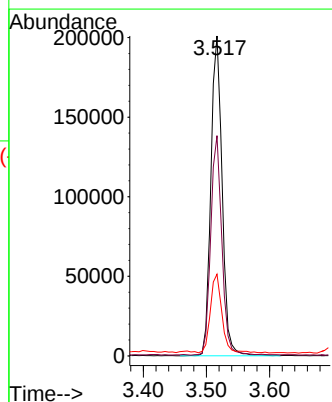
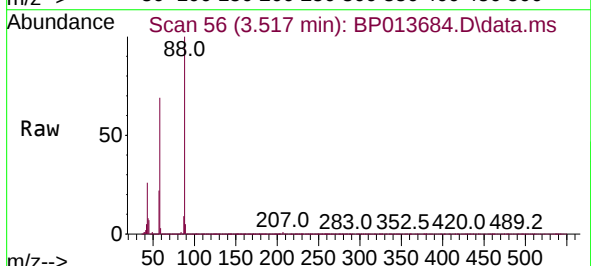
APPROVED

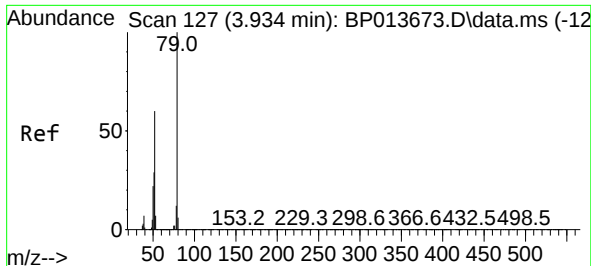
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#2  
1,4-Dioxane  
Concen: 33.735 ng  
RT: 3.517 min Scan# 56  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion: 88 Resp: 248645  
Ion Ratio Lower Upper  
88 100  
58 67.7 53.8 80.8  
43 25.1 19.8 29.6





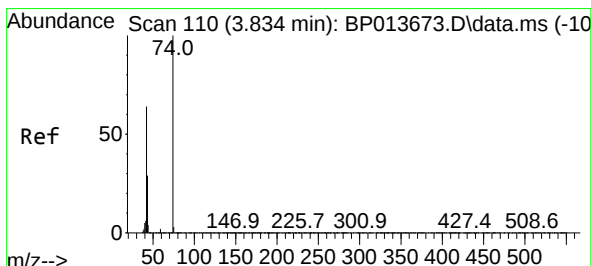
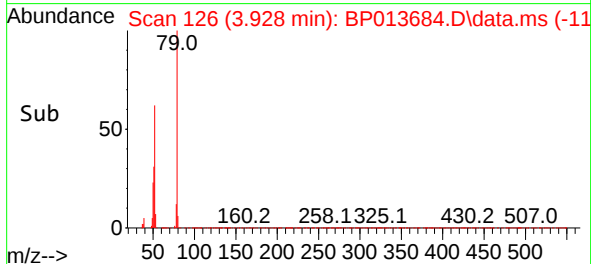
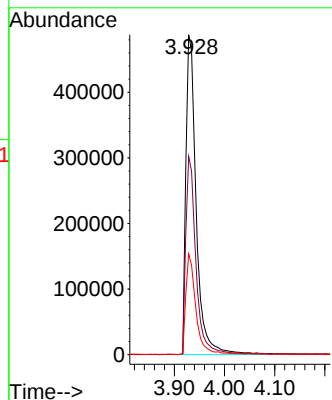
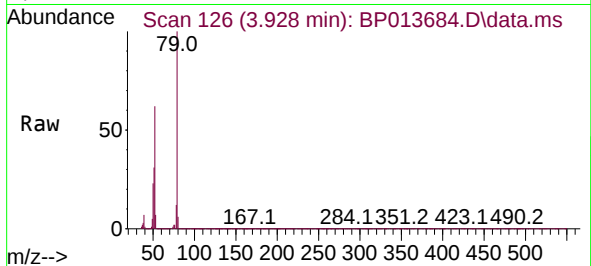
#3  
Pyridine  
Concen: 33.001 ng  
RT: 3.928 min Scan# 110  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion: 79 Resp: 700320  
Ion Ratio Lower Upper  
79 100  
52 61.9 48.2 72.2  
51 31.5 23.6 35.4

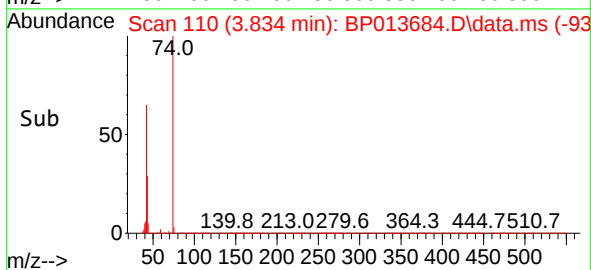
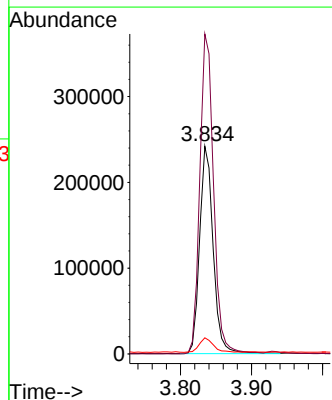
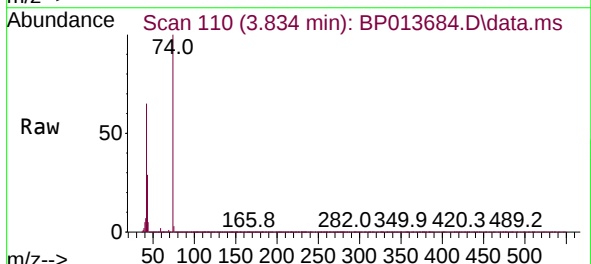
Manual Integrations  
APPROVED

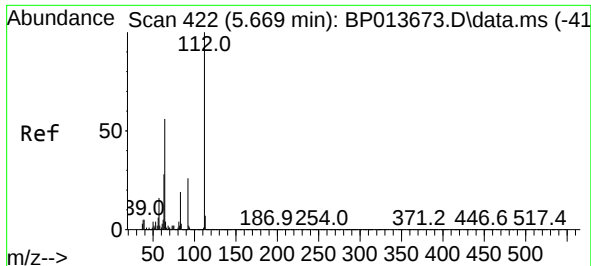
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#4  
n-Nitrosodimethylamine  
Concen: 41.860 ng  
RT: 3.834 min Scan# 110  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

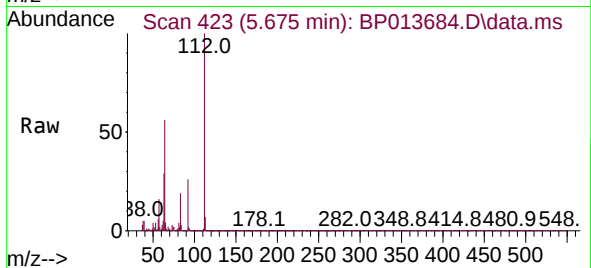
Tgt Ion: 42 Resp: 318523  
Ion Ratio Lower Upper  
42 100  
74 154.2 124.6 187.0  
44 7.7 6.3 9.5





#5  
2-Fluorophenol  
Concen: 145.702 ng  
RT: 5.675 min Scan# 422  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

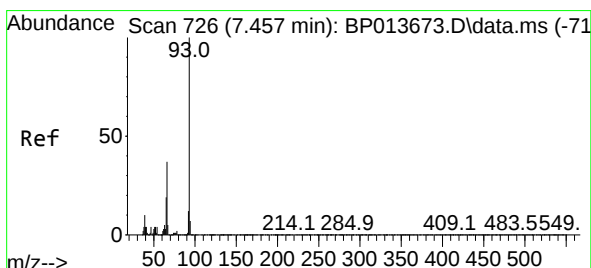
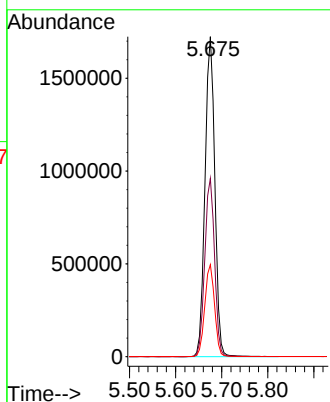
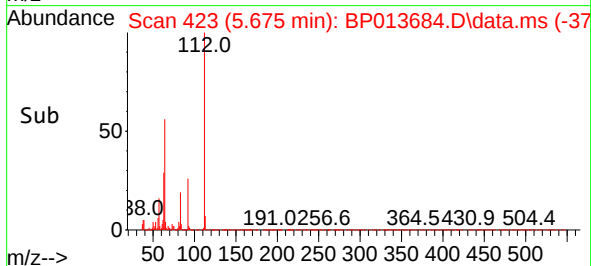
Instrument :  
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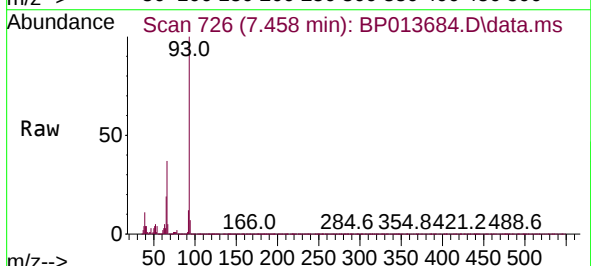
Tgt Ion:112 Resp: 2538359  
Ion Ratio Lower Upper  
112 100  
64 55.7 44.6 67.0  
63 28.7 22.6 34.0

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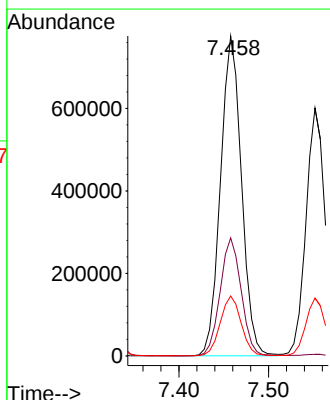
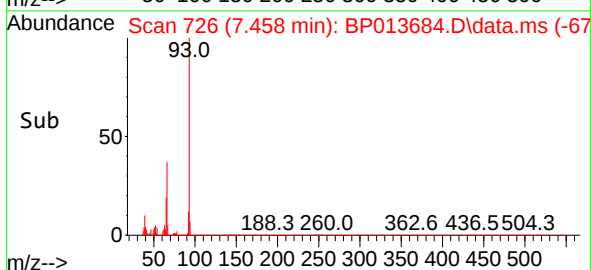
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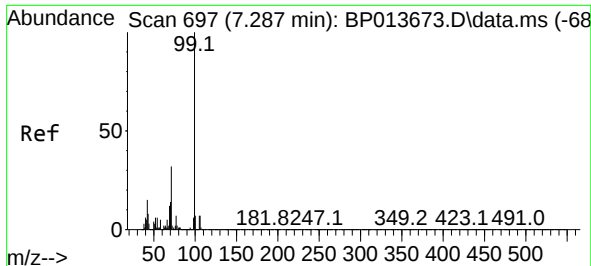


#6  
Aniline  
Concen: 41.880 ng  
RT: 7.458 min Scan# 726  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion: 93 Resp: 1267180  
Ion Ratio Lower Upper  
93 100  
66 36.9 29.3 43.9  
65 18.7 15.1 22.7





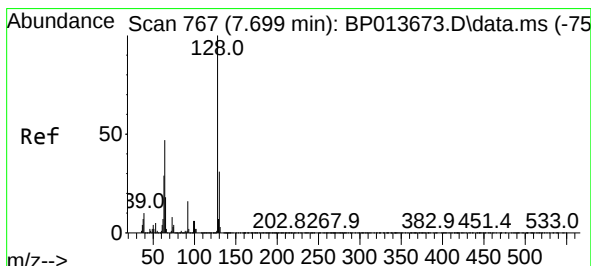
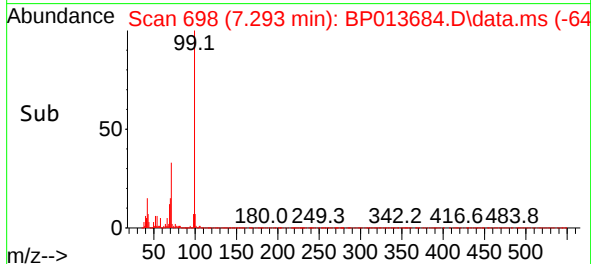
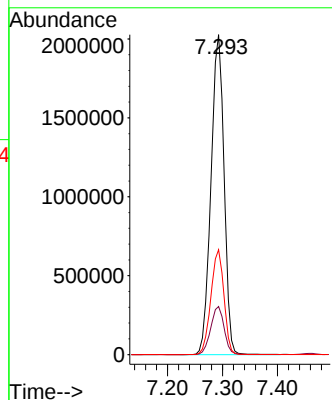
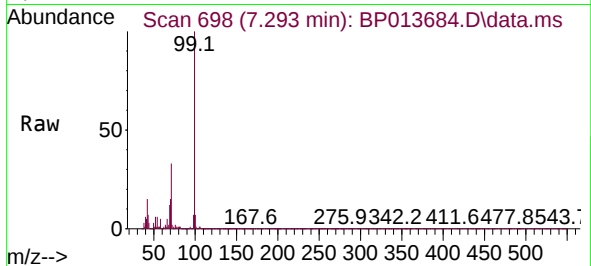
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Phenol-d6  
Concen: 143.864 ng  
RT: 7.293 min Scan# 697  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion: 99 Resp: 3339075  
Ion Ratio Lower Upper  
99 100  
42 15.0 11.8 17.6  
71 32.8 25.6 38.4

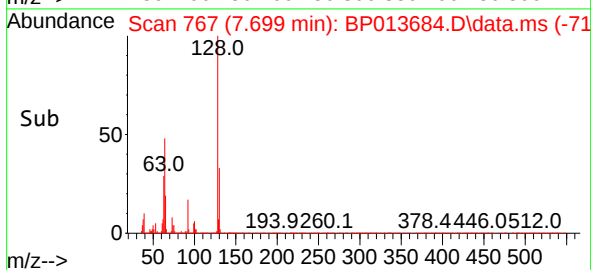
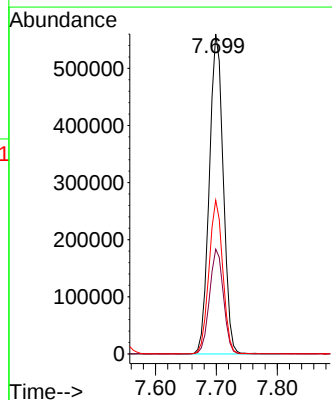
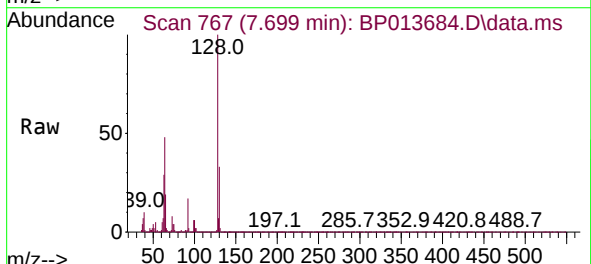
Manual Integrations  
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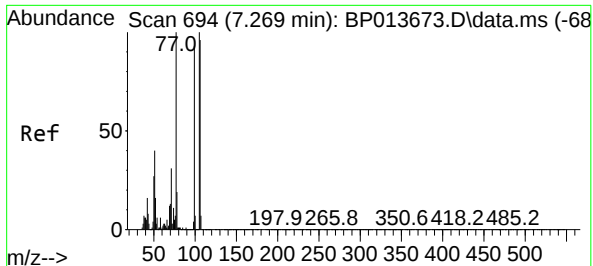
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#8  
2-Chlorophenol  
Concen: 48.498 ng  
RT: 7.699 min Scan# 767  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:128 Resp: 889507  
Ion Ratio Lower Upper  
128 100  
130 32.7 10.8 50.8  
64 48.0 26.9 66.9





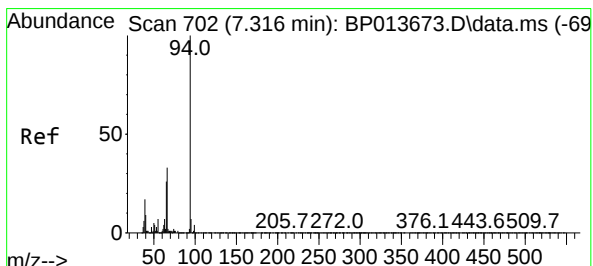
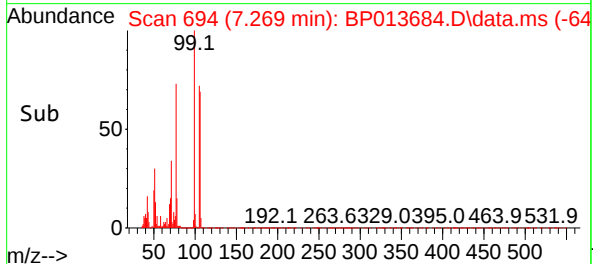
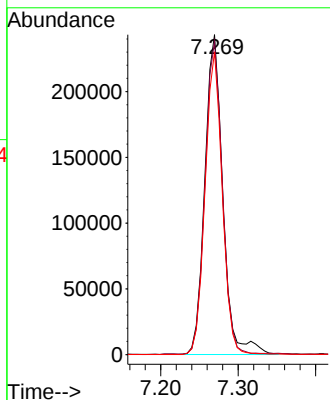
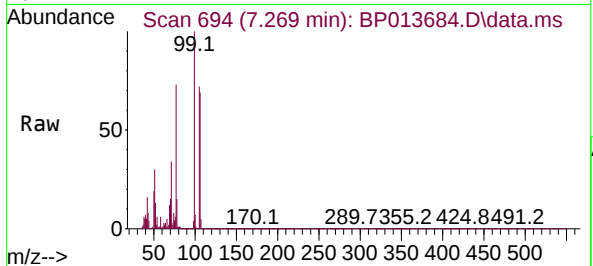
#9  
Benzaldehyde  
Concen: 28.969 ng m  
RT: 7.269 min Scan# 694  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion: 77 Resp: 392402  
Ion Ratio Lower Upper  
77 100  
105 97.8 80.4 120.4  
106 94.6 76.7 116.7

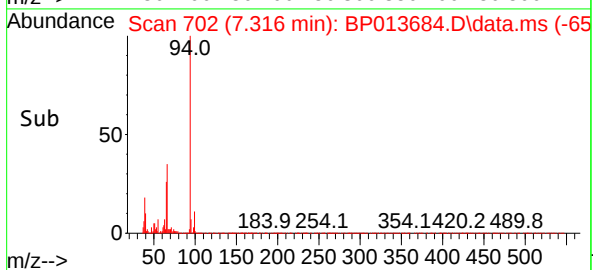
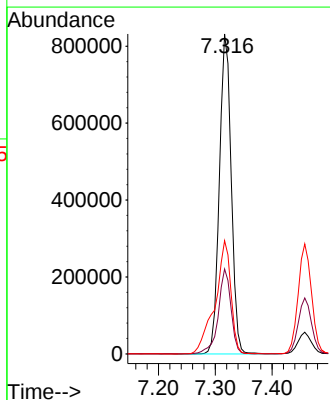
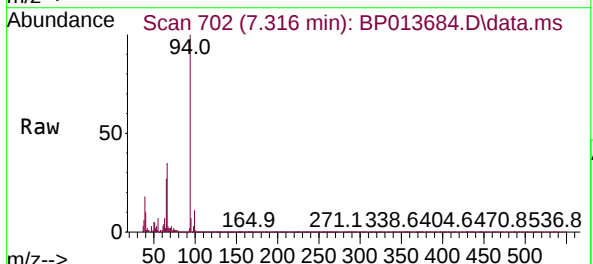
Manual Integrations  
APPROVED

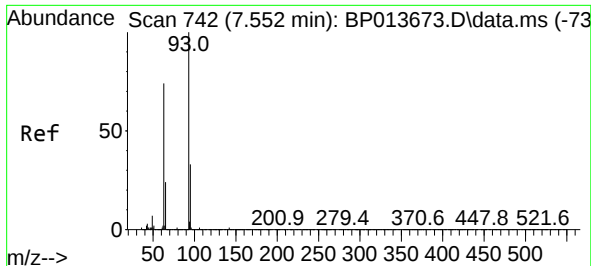
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#10  
Phenol  
Concen: 49.459 ng  
RT: 7.316 min Scan# 702  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

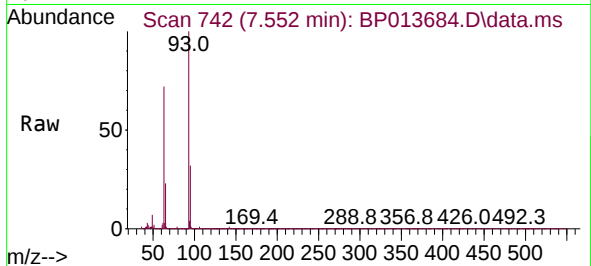
Tgt Ion: 94 Resp: 1199208  
Ion Ratio Lower Upper  
94 100  
65 26.5 6.0 46.0  
66 35.4 13.1 53.1





#11  
bis(2-Chloroethyl)ether  
Concen: 45.532 ng  
RT: 7.552 min Scan# 742  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

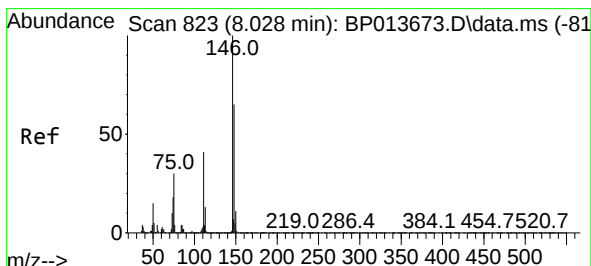
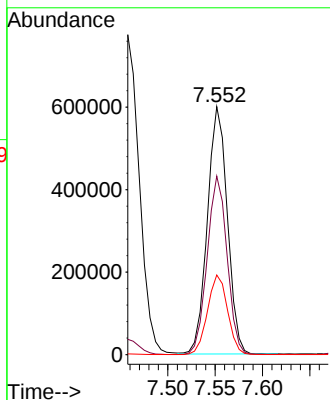
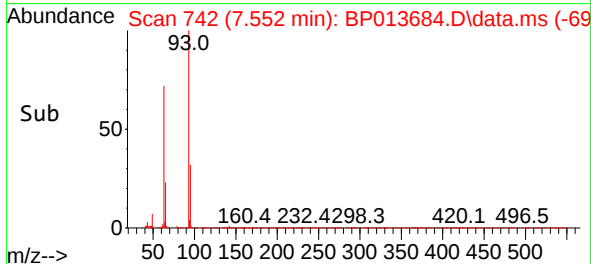
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



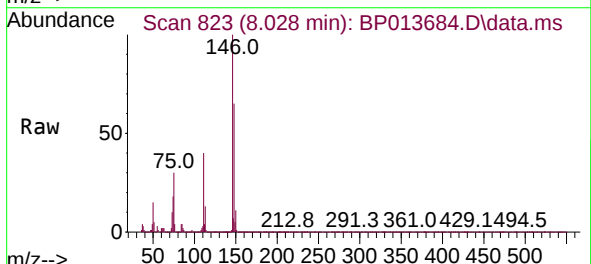
Tgt Ion: 93 Resp: 881895  
Ion Ratio Lower Upper  
93 100  
63 72.0 53.7 93.7  
95 32.1 12.4 52.4

Manual Integrations  
APPROVED

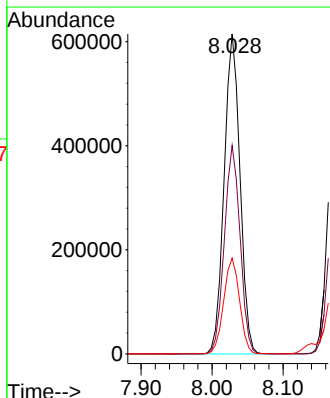
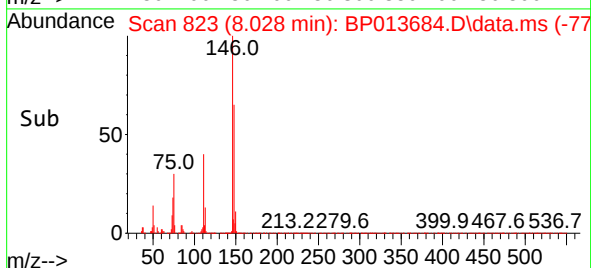
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

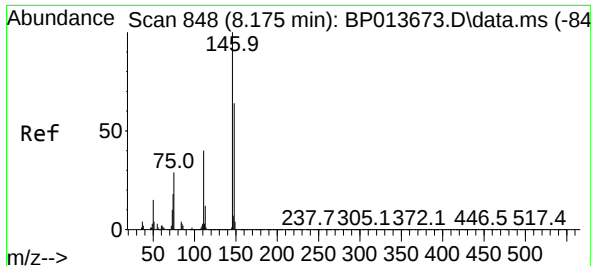


#12  
1,3-Dichlorobenzene  
Concen: 46.208 ng  
RT: 8.028 min Scan# 823  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion:146 Resp: 954678  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.9 77.9  
75 29.9 24.0 36.0





#13

1,4-Dichlorobenzene

Concen: 46.588 ng

RT: 8.175 min Scan# 84

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

Tgt Ion:146 Resp: 973892

Ion Ratio Lower Upper

146 100

148 65.0 51.5 77.3

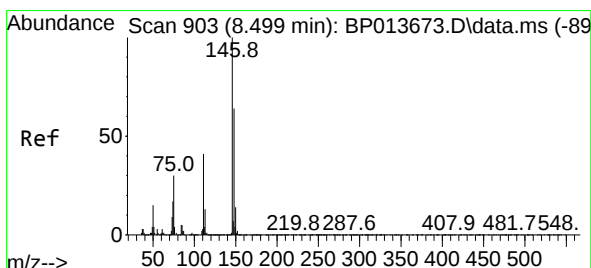
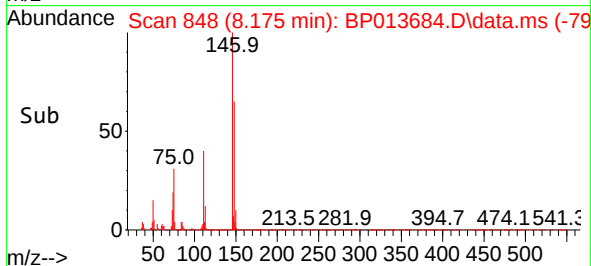
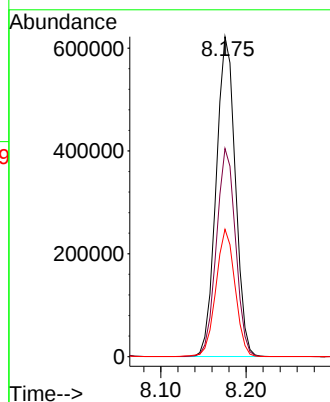
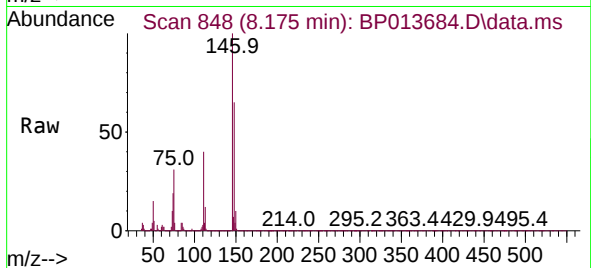
111 39.8 32.0 48.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#14

1,2-Dichlorobenzene

Concen: 47.141 ng

RT: 8.499 min Scan# 903

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

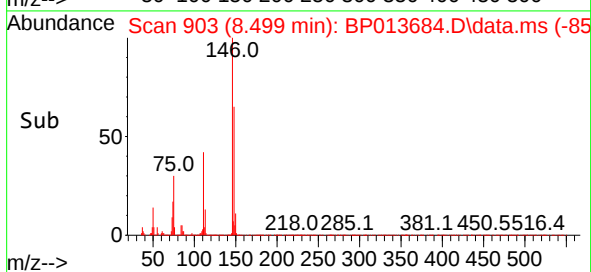
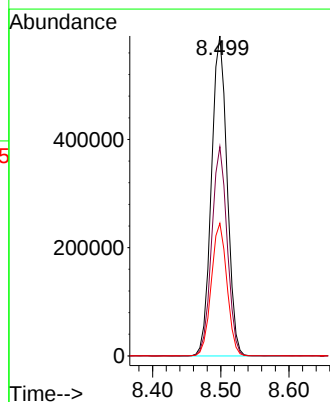
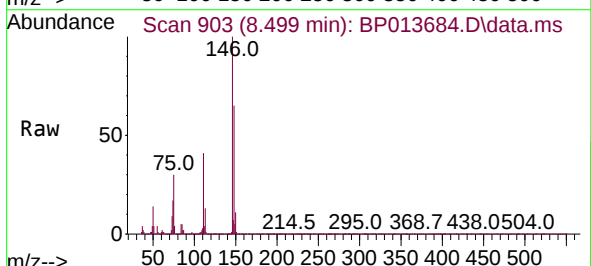
Tgt Ion:146 Resp: 942979

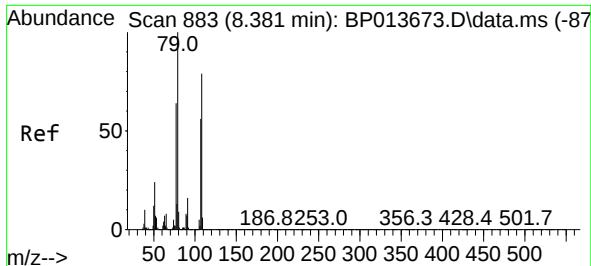
Ion Ratio Lower Upper

146 100

148 65.4 51.3 76.9

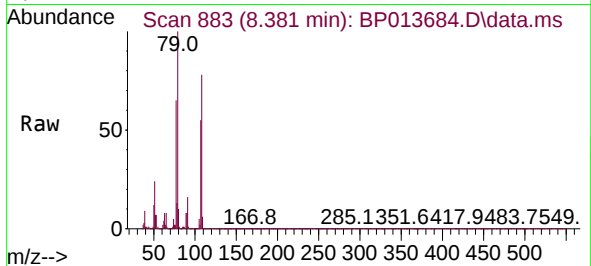
111 41.4 32.8 49.2





#15  
Benzyl Alcohol  
Concen: 48.139 ng m  
RT: 8.381 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

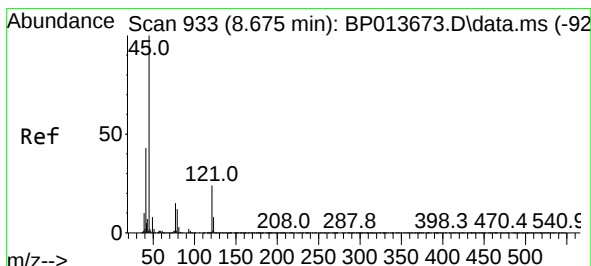
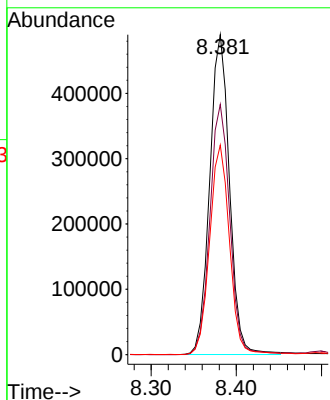
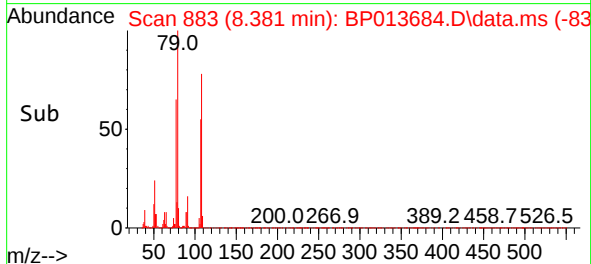
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



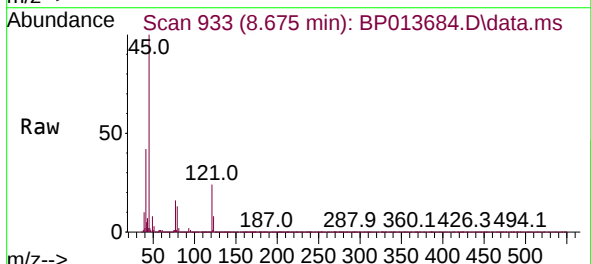
Tgt Ion: 79 Resp: 791175  
Ion Ratio Lower Upper  
79 100  
108 78.2 62.9 94.3  
77 65.5 51.1 76.7

Manual Integrations  
APPROVED

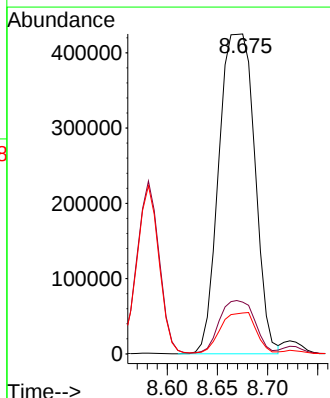
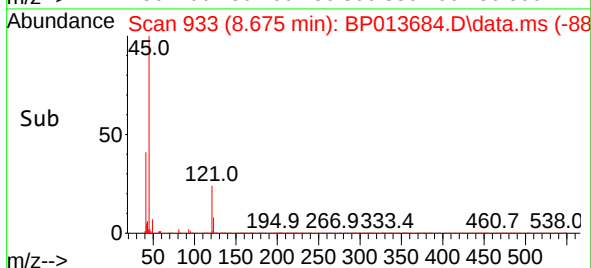
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

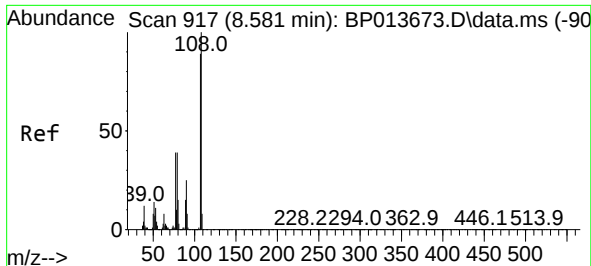


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.610 ng  
RT: 8.675 min Scan# 933  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion: 45 Resp: 1054362  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 36.4  
79 12.8 0.0 33.4





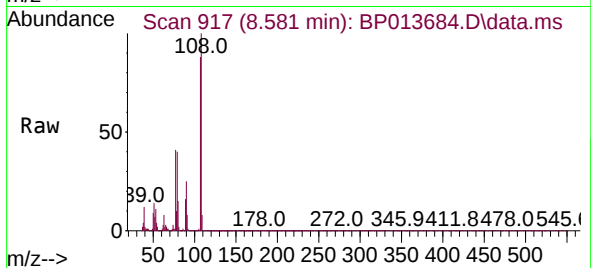
#17  
2-Methylphenol  
Concen: 45.968 ng  
RT: 8.581 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

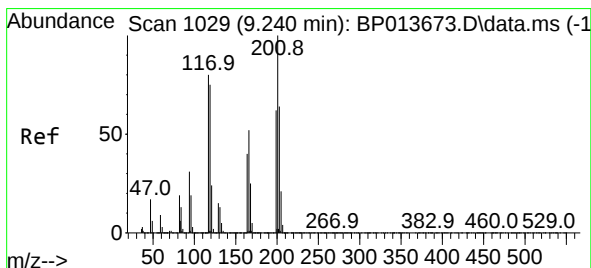
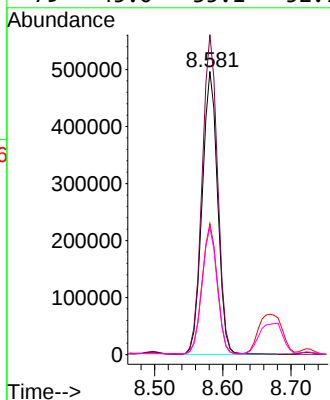
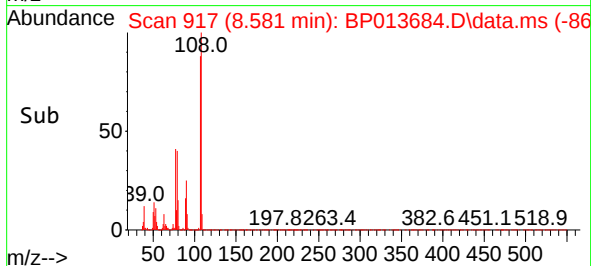


Tgt Ion:107 Resp: 781032  
Ion Ratio Lower Upper  
107 100  
108 113.0 90.0 135.0  
77 46.2 35.7 53.5  
79 45.0 35.1 52.7

Manual Integrations

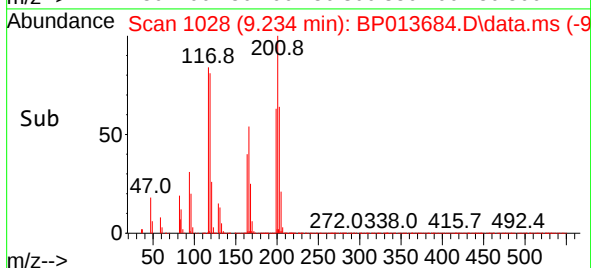
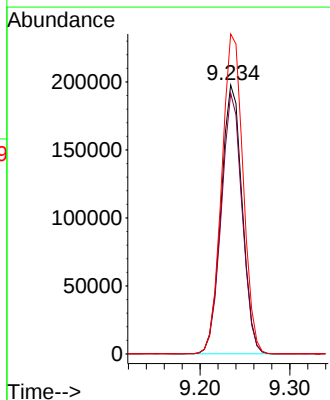
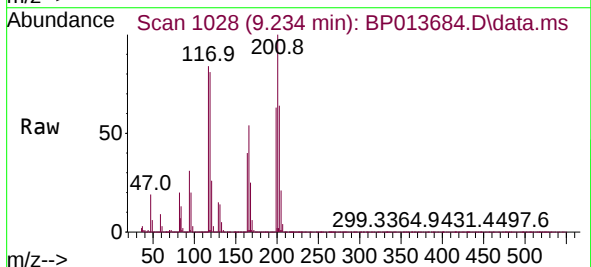
APPROVED

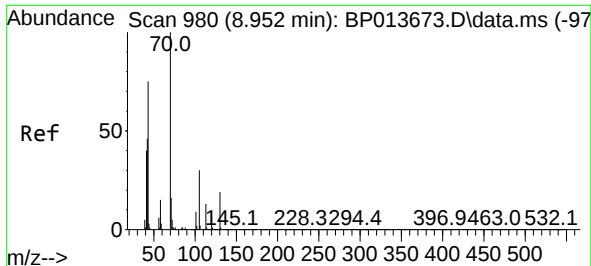
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#18  
Hexachloroethane  
Concen: 47.182 ng  
RT: 9.234 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:117 Resp: 325235  
Ion Ratio Lower Upper  
117 100  
119 96.9 75.0 112.4  
201 119.0 100.4 150.6





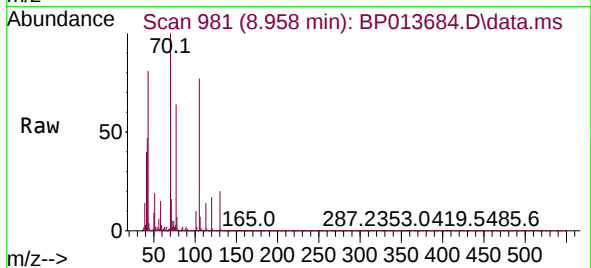
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.825 ng  
RT: 8.958 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

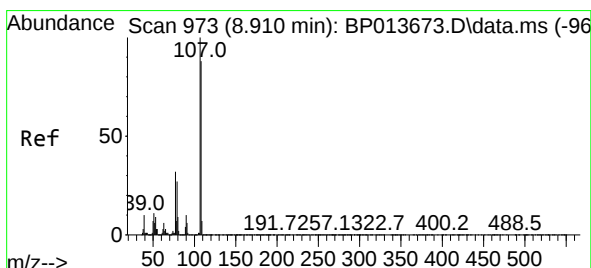
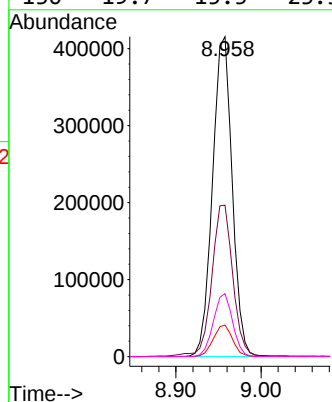
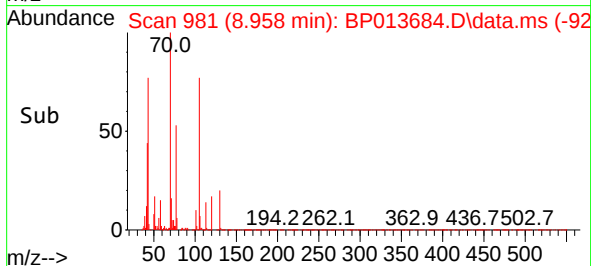


Tgt Ion: 70 Resp: 667310  
Ion Ratio Lower Upper  
70 100  
42 47.3 37.2 55.8  
101 9.9 7.4 11.2  
130 19.7 15.5 23.3

Manual Integrations

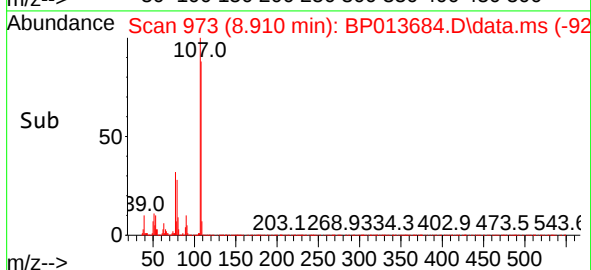
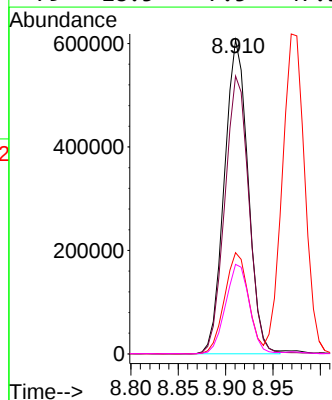
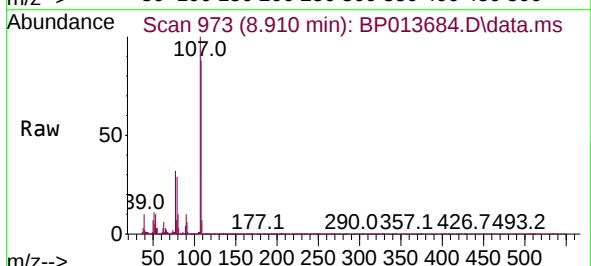
APPROVED

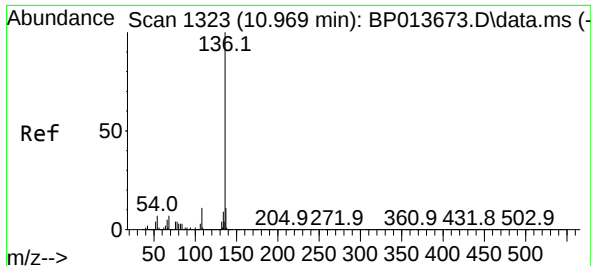
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#20  
3+4-Methylphenols  
Concen: 45.640 ng  
RT: 8.910 min Scan# 973  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:107 Resp: 1057897  
Ion Ratio Lower Upper  
107 100  
108 88.5 67.7 107.7  
77 32.2 12.0 52.0  
79 28.5 7.5 47.5





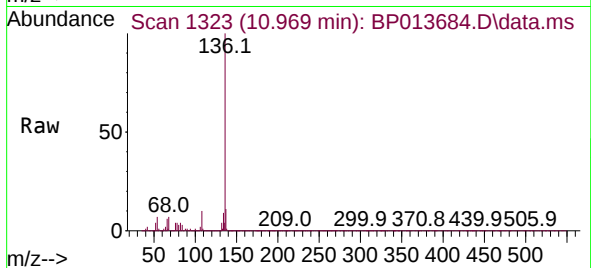
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.969 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

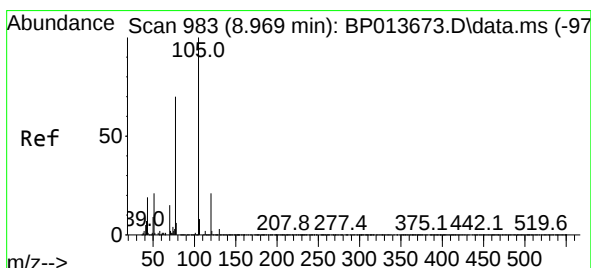
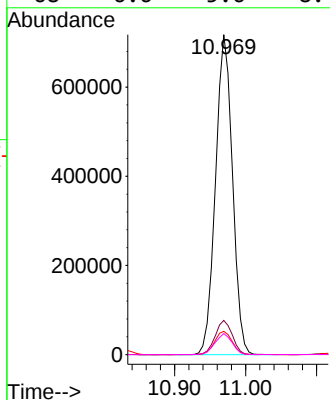
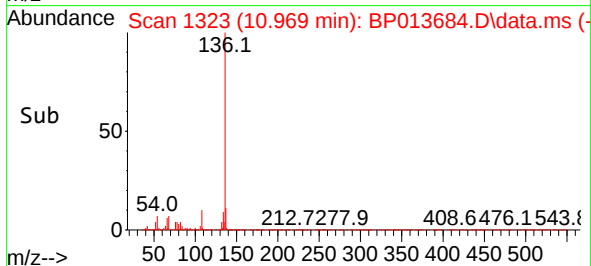


Tgt Ion:136 Resp: 1192599  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 7.6 6.0 9.0  
68 6.6 5.6 8.4

Manual Integrations

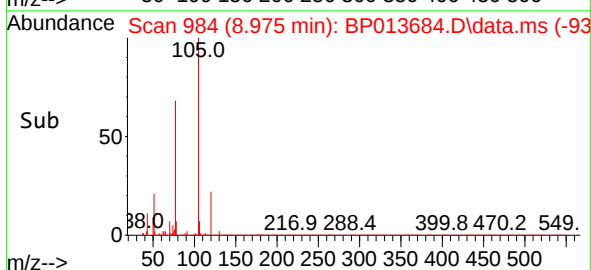
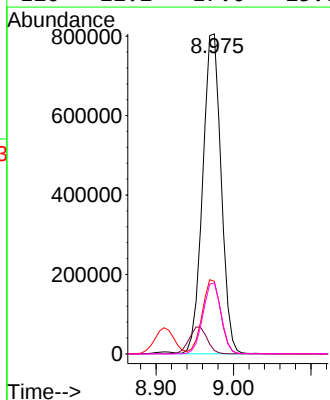
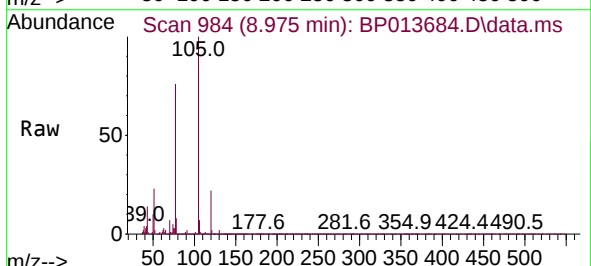
APPROVED

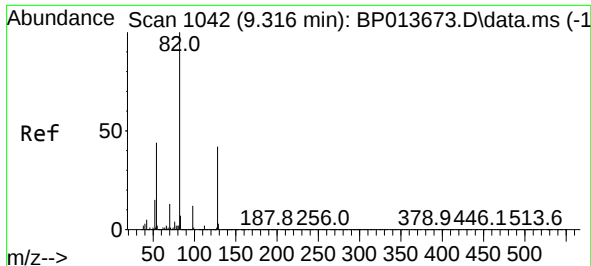
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#22  
Acetophenone  
Concen: 42.733 ng  
RT: 8.975 min Scan# 984  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

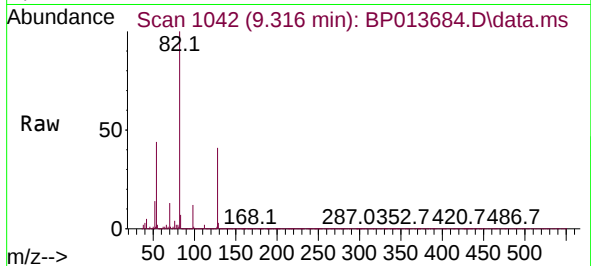
Tgt Ion:105 Resp: 1328988  
Ion Ratio Lower Upper  
105 100  
71 1.1 2.2 3.2#  
51 22.7 18.6 27.8  
120 22.2 17.0 25.6





#23  
Nitrobenzene-d5  
Concen: 90.320 ng  
RT: 9.316 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

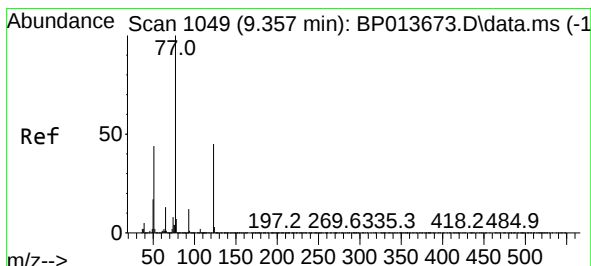
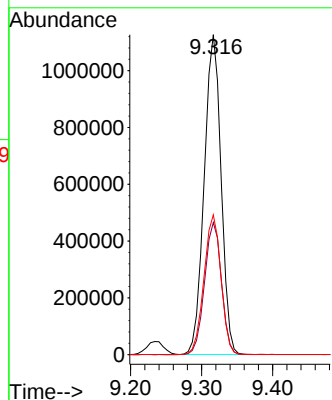
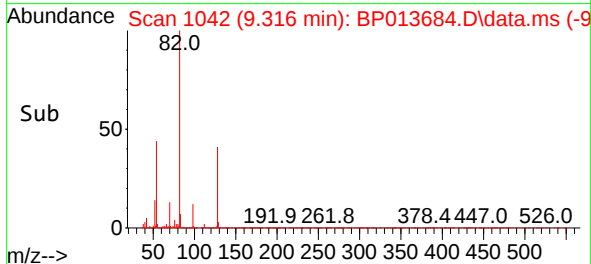
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion: 82 Resp: 1851739  
Ion Ratio Lower Upper  
82 100  
128 41.3 33.4 50.0  
54 43.7 35.4 53.0

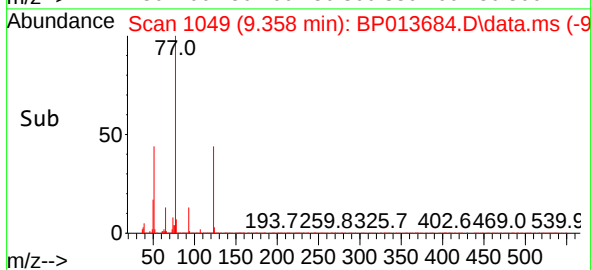
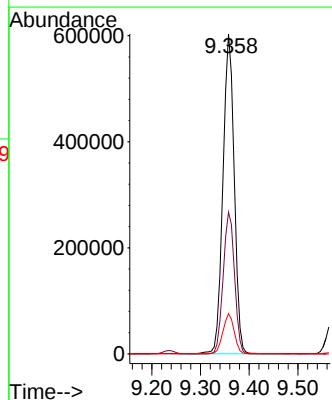
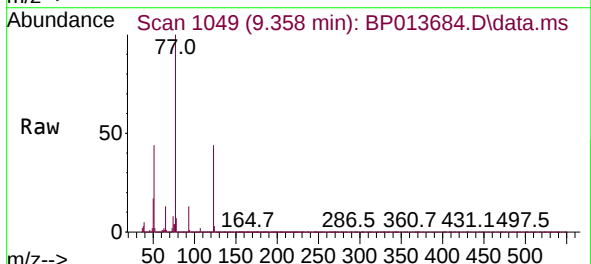
Manual Integrations  
APPROVED

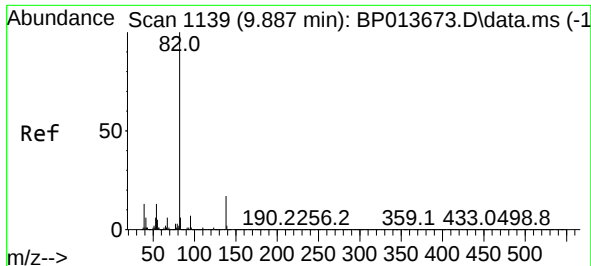
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#24  
Nitrobenzene  
Concen: 43.335 ng  
RT: 9.358 min Scan# 1049  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion: 77 Resp: 963682  
Ion Ratio Lower Upper  
77 100  
123 44.3 35.9 53.9  
65 12.6 10.2 15.4





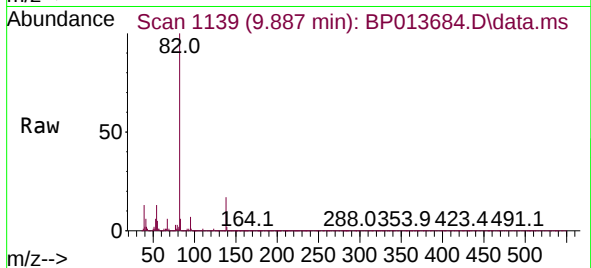
#25  
Isophorone  
Concen: 42.172 ng  
RT: 9.887 min Scan# 1139  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

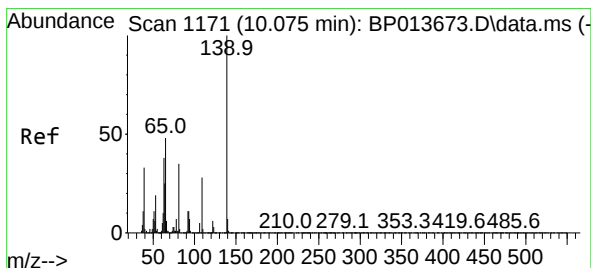
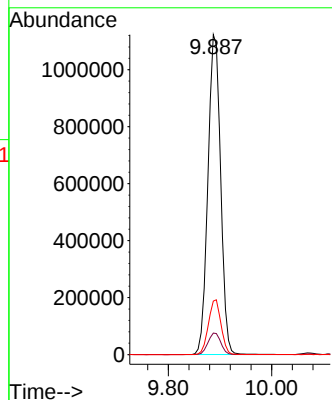
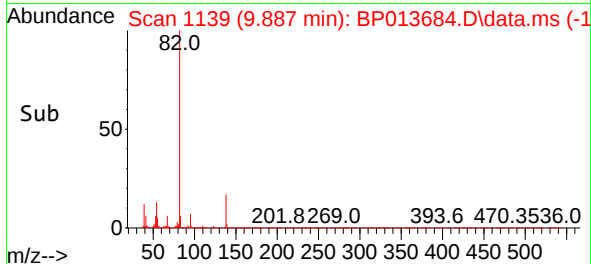


Tgt Ion: 82 Resp: 191636  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.2  
138 16.7 13.9 20.9

Manual Integrations

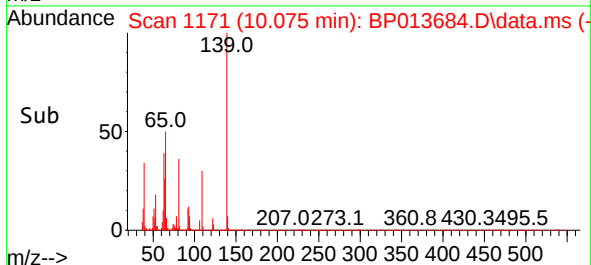
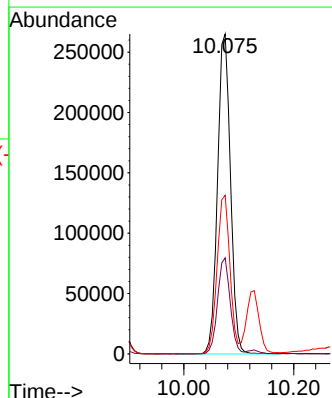
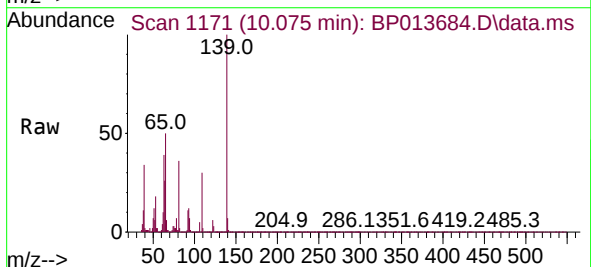
APPROVED

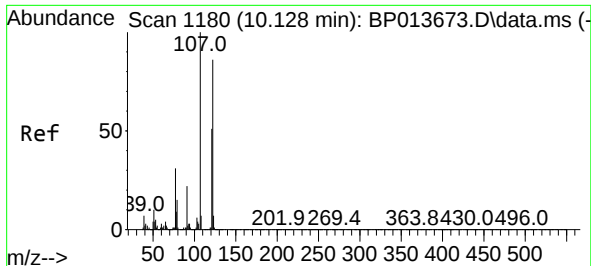
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#26  
2-Nitrophenol  
Concen: 42.269 ng  
RT: 10.075 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

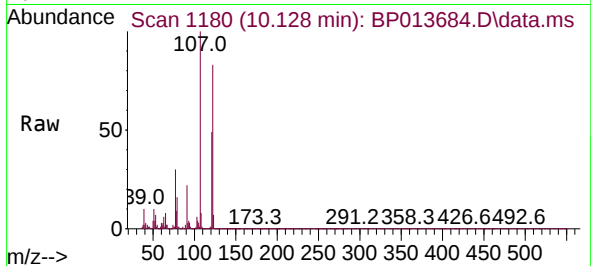
Tgt Ion:139 Resp: 431681  
Ion Ratio Lower Upper  
139 100  
109 30.0 22.7 34.1  
65 49.6 38.8 58.2





#27  
2,4-Dimethylphenol  
Concen: 45.719 ng  
RT: 10.128 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

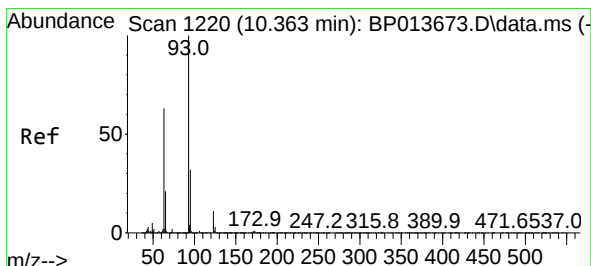
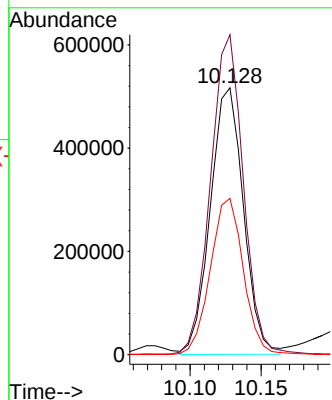
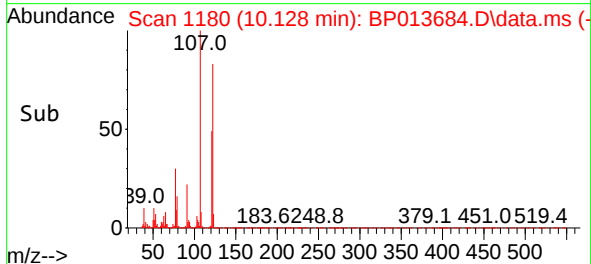
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



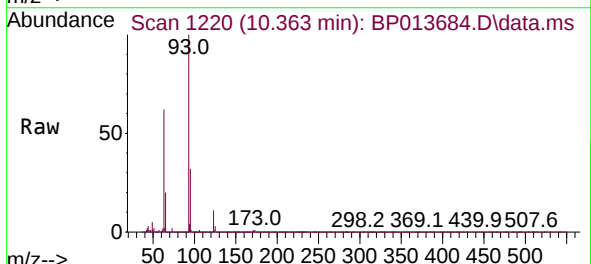
Tgt Ion: 122 Resp: 838432  
Ion Ratio Lower Upper  
122 100  
107 119.9 93.0 139.6  
121 58.5 47.0 70.4

Manual Integrations  
APPROVED

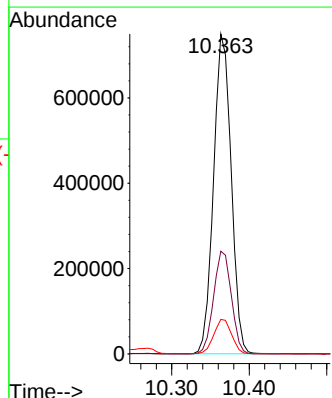
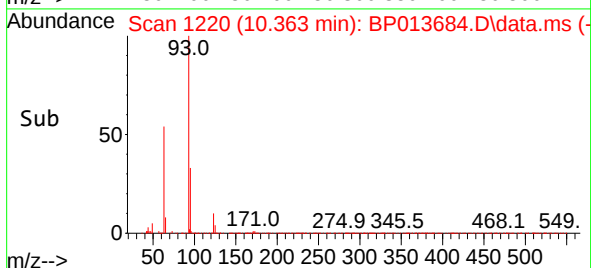
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

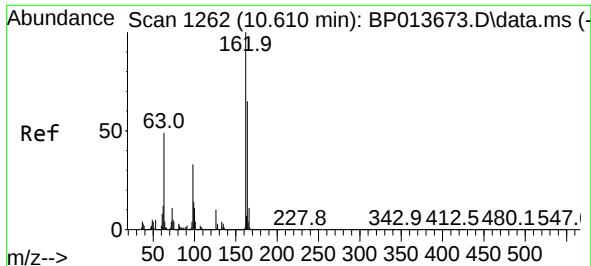


#28  
bis(2-Chloroethoxy)methane  
Concen: 43.451 ng  
RT: 10.363 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion: 93 Resp: 1183431  
Ion Ratio Lower Upper  
93 100  
95 32.1 26.0 39.0  
123 10.8 8.7 13.1





#29

2,4-Dichlorophenol

Concen: 46.264 ng

RT: 10.610 min Scan# 1262

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

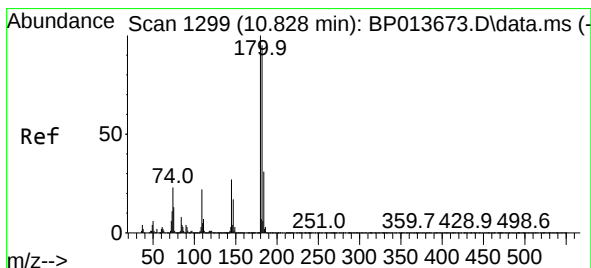
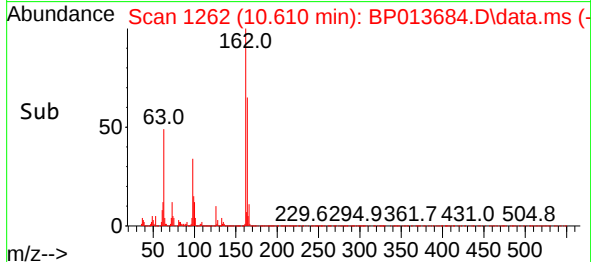
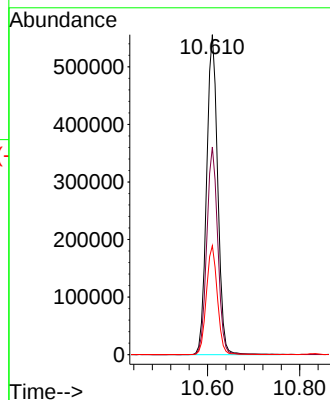
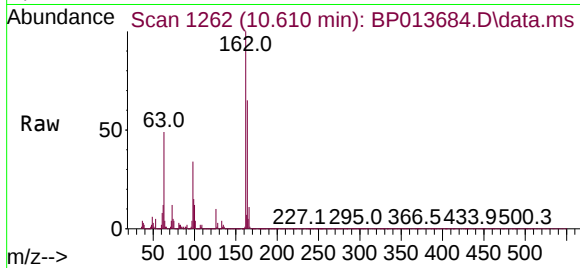
PB150378BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 923449 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 64.9  | 44.8  | 84.8   |
| 98        | 34.0  | 13.4  | 53.4   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#30

1,2,4-Trichlorobenzene

Concen: 44.412 ng

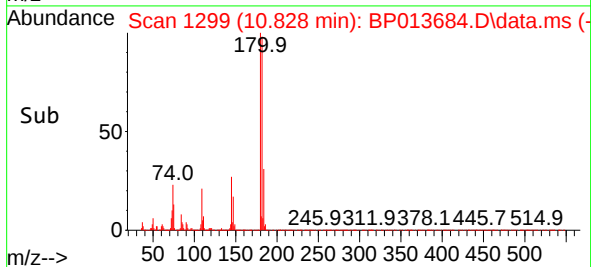
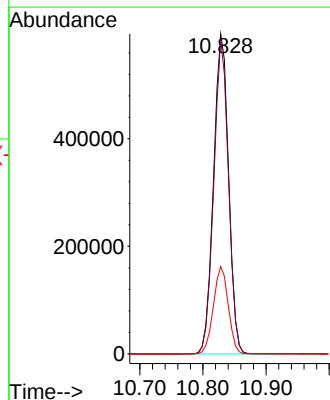
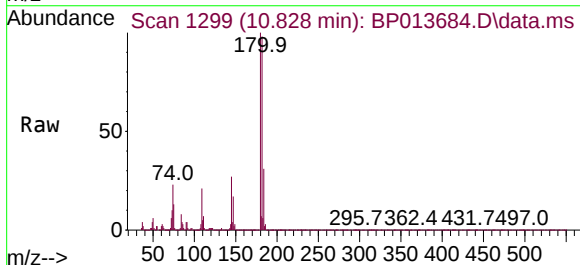
RT: 10.828 min Scan# 1299

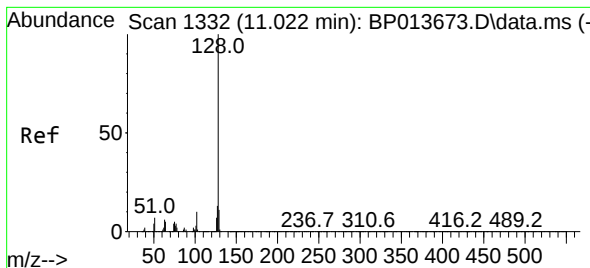
Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

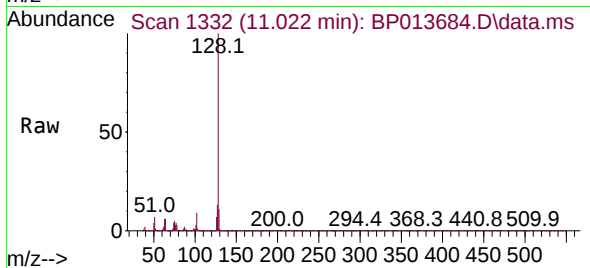
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 983645 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 98.2  | 76.4  | 114.6  |
| 145       | 27.3  | 21.9  | 32.9   |





#31  
Naphthalene  
Concen: 42.109 ng  
RT: 11.022 min Scan# 1332  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

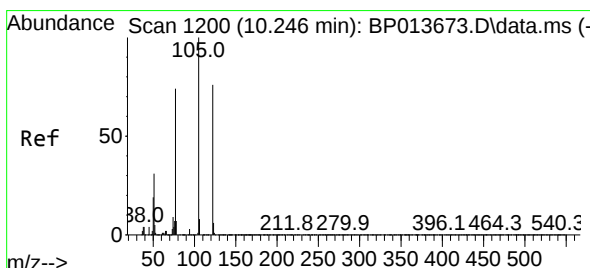
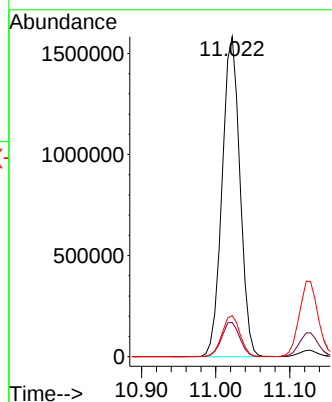
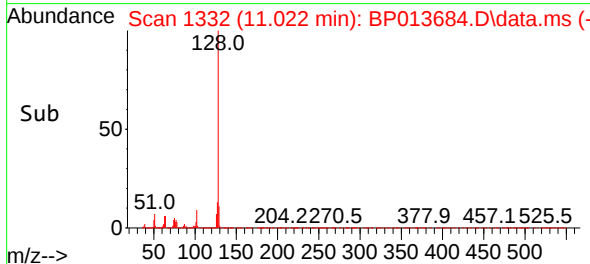
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:128 Resp: 2640523  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 12.8  
127 12.8 10.5 15.7

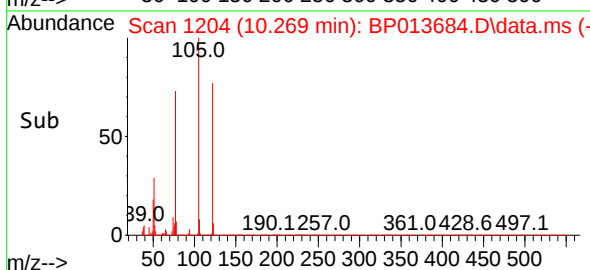
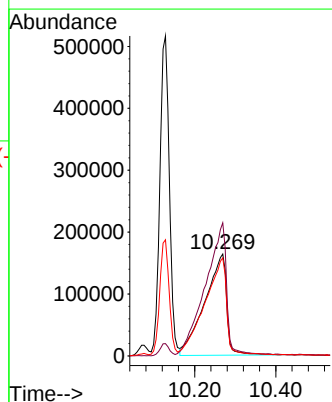
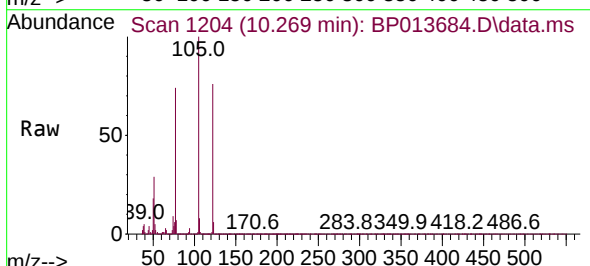
Manual Integrations  
APPROVED

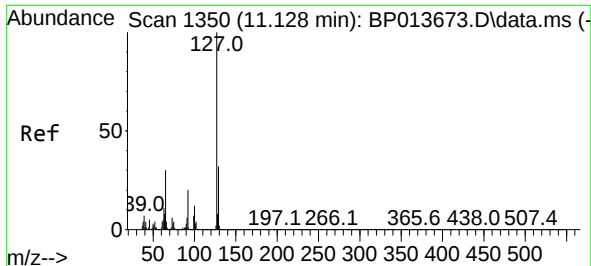
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#32  
Benzoic acid  
Concen: 42.248 ng  
RT: 10.269 min Scan# 1204  
Delta R.T. 0.023 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:122 Resp: 612212  
Ion Ratio Lower Upper  
122 100  
105 130.7 105.5 145.5  
77 96.2 74.7 114.7





#33  
4-Chloroaniline  
Concen: 24.384 ng  
RT: 11.122 min Scan# 1349  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

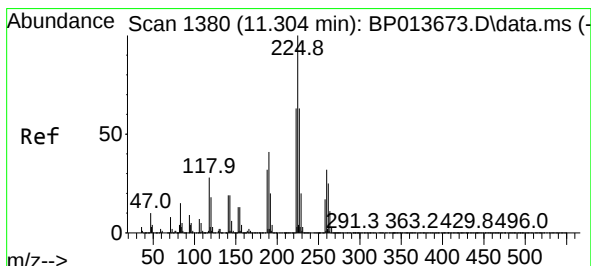
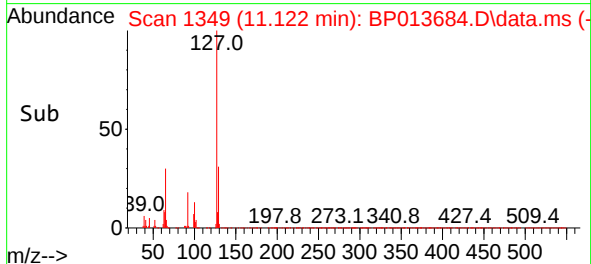
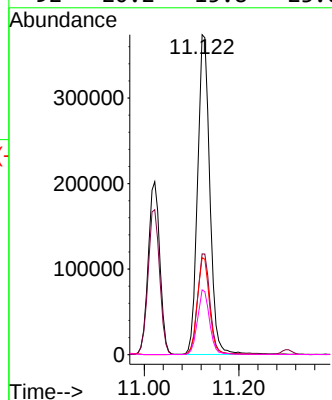
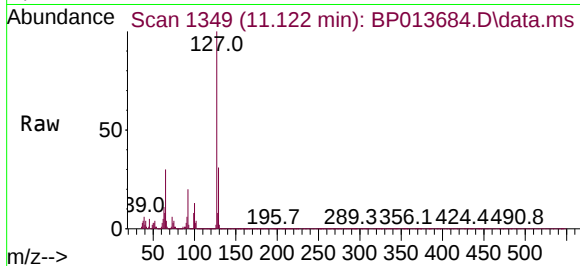
PB150378BS

Tgt Ion:127 Resp: 671860  
Ion Ratio Lower Upper  
127 100  
129 31.5 25.3 37.9  
65 30.3 23.8 35.8  
92 20.2 15.8 23.6

Manual Integrations

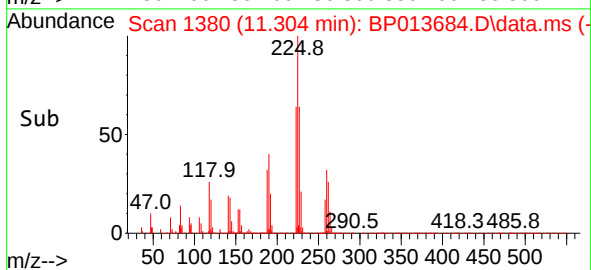
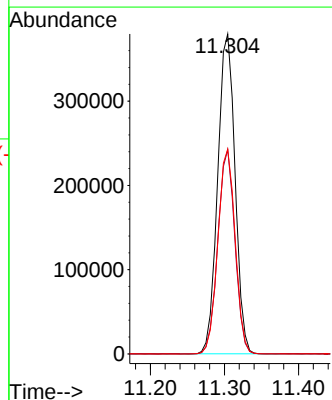
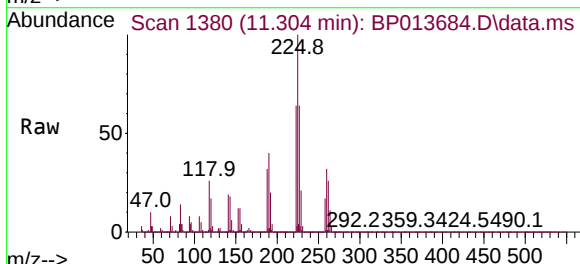
APPROVED

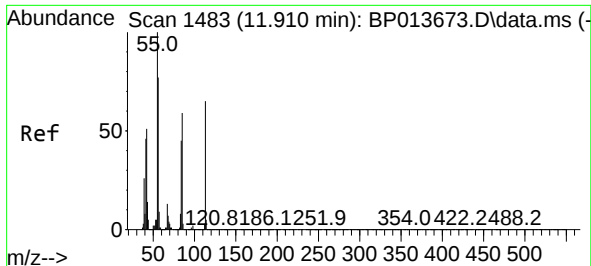
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#34  
Hexachlorobutadiene  
Concen: 43.889 ng  
RT: 11.304 min Scan# 1380  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

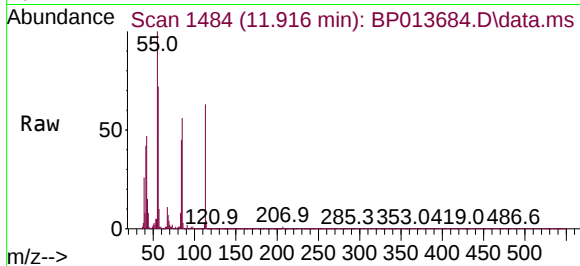
Tgt Ion:225 Resp: 617034  
Ion Ratio Lower Upper  
225 100  
223 63.8 50.5 75.7  
227 64.0 50.6 75.8





#35  
Caprolactam  
Concen: 42.947 ng m  
RT: 11.916 min Scan# 1483  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

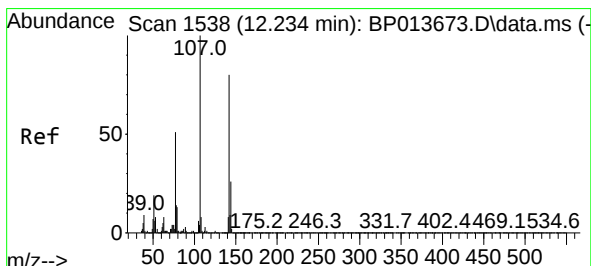
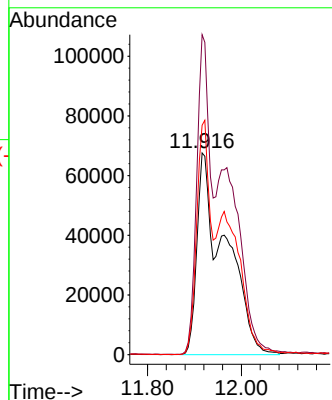
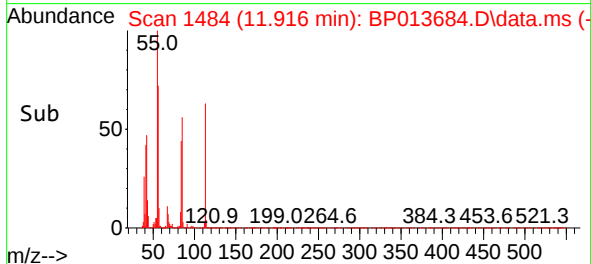
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:113 Resp: 281525  
Ion Ratio Lower Upper  
113 100  
55 158.7 133.0 173.0  
56 113.7 97.4 137.4

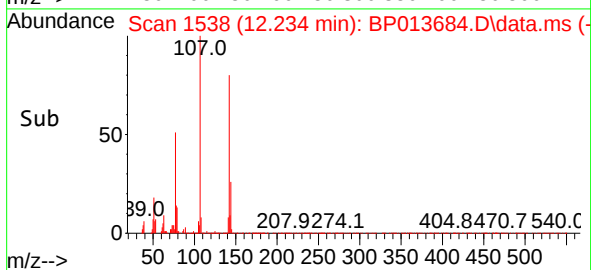
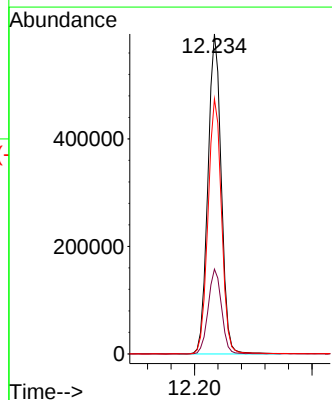
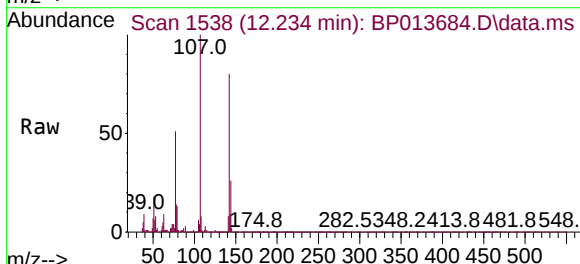
Manual Integrations  
APPROVED

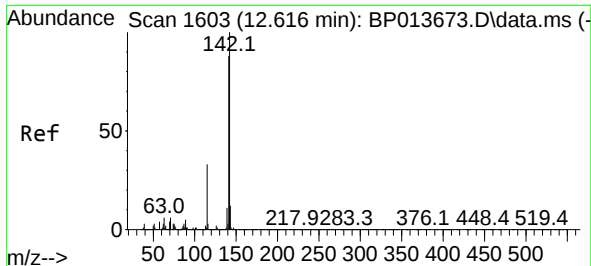
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#36  
4-Chloro-3-methylphenol  
Concen: 44.694 ng  
RT: 12.234 min Scan# 1538  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

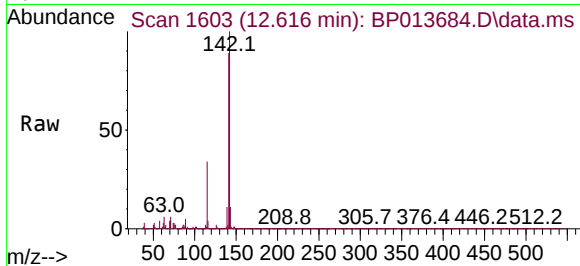
Tgt Ion:107 Resp: 938418  
Ion Ratio Lower Upper  
107 100  
144 26.5 20.8 31.2  
142 79.7 64.0 96.0





#37  
2-Methylnaphthalene  
Concen: 40.298 ng  
RT: 12.616 min Scan# 1603  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

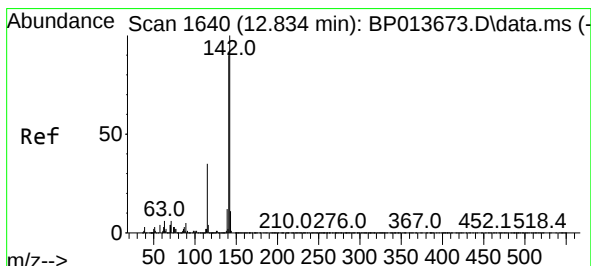
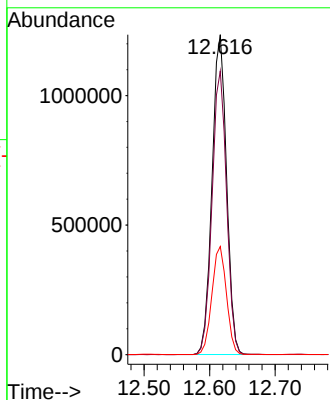
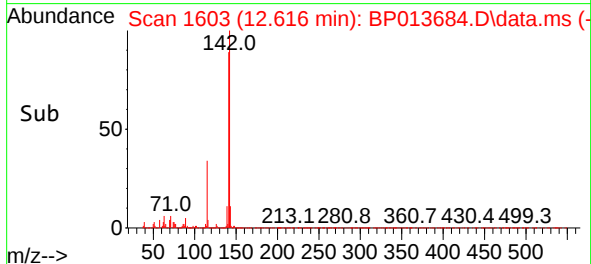
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



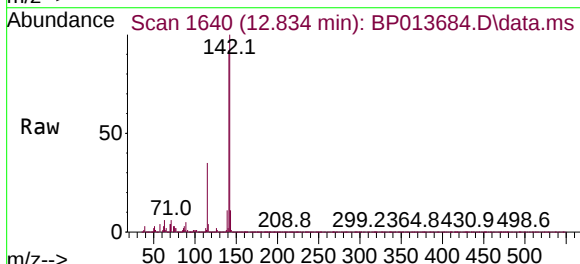
Tgt Ion:142 Resp: 1900062  
Ion Ratio Lower Upper  
142 100  
141 88.6 70.3 105.5  
115 33.8 26.4 39.6

Manual Integrations  
APPROVED

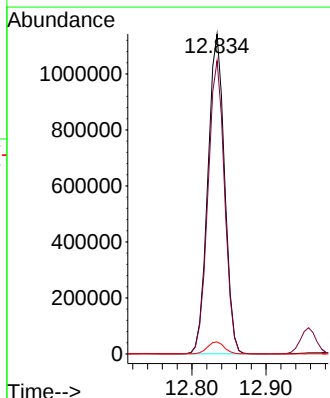
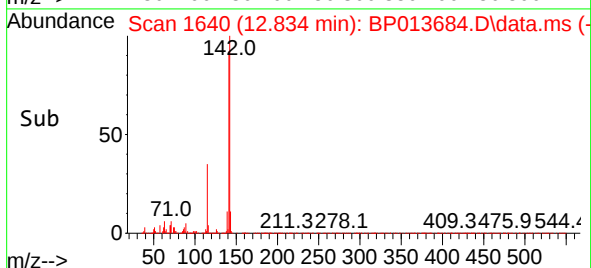
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

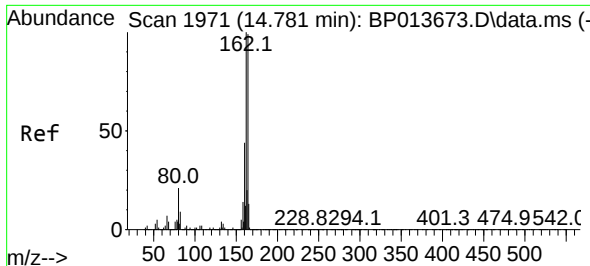


#38  
1-Methylnaphthalene  
Concen: 40.277 ng  
RT: 12.834 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion:142 Resp: 1783880  
Ion Ratio Lower Upper  
142 100  
141 91.6 72.2 108.4  
116 3.7 3.0 4.4





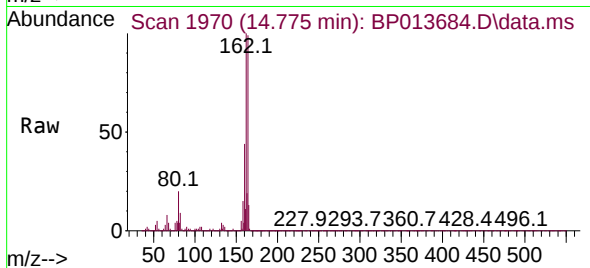
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.775 min Scan# 1971  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

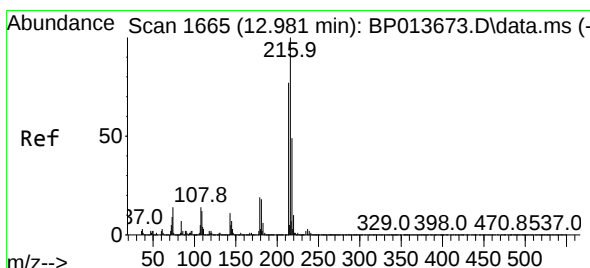
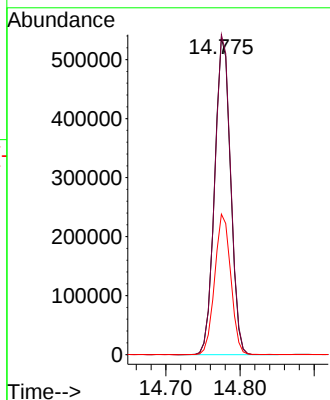
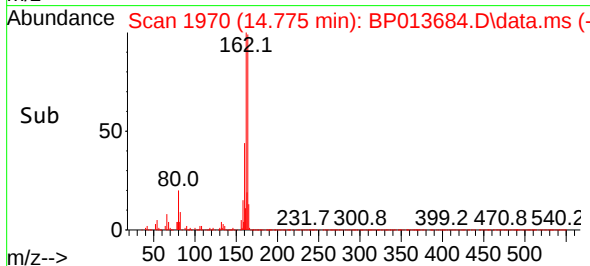


Tgt Ion:164 Resp: 801024  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.8 121.2  
160 44.3 35.6 53.4

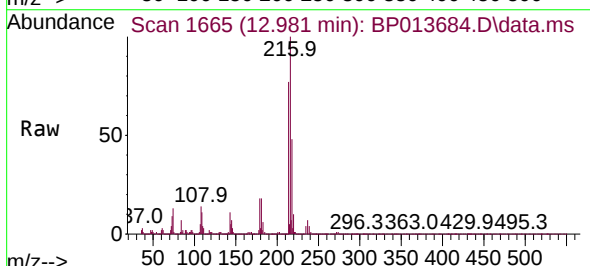
Manual Integrations

APPROVED

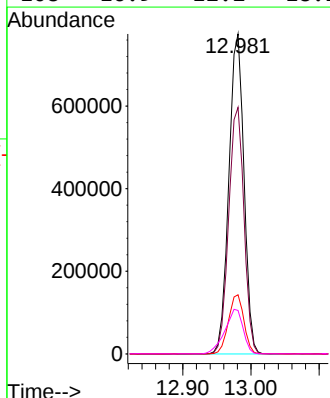
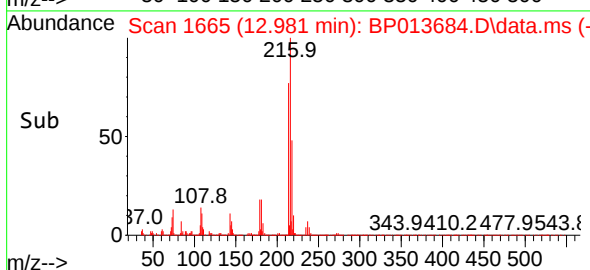
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

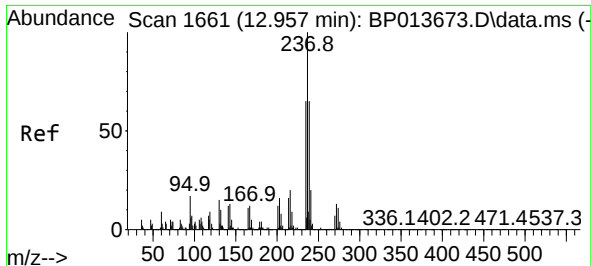


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.410 ng  
RT: 12.981 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



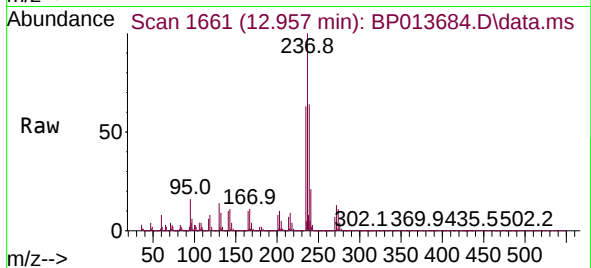
Tgt Ion:216 Resp: 1187147  
Ion Ratio Lower Upper  
216 100  
214 78.1 62.6 94.0  
179 18.9 15.2 22.8  
108 16.9 12.2 18.2





#41  
Hexachlorocyclopentadiene  
Concen: 107.923 ng  
RT: 12.957 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

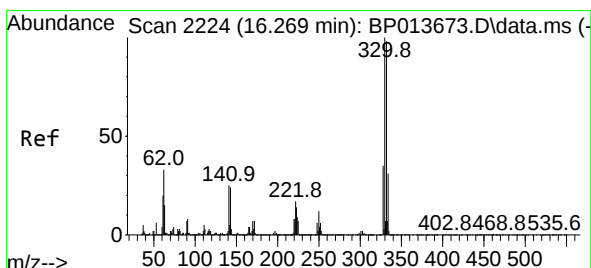
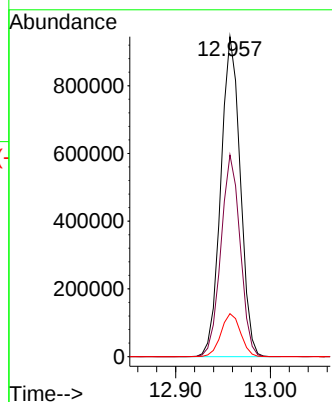
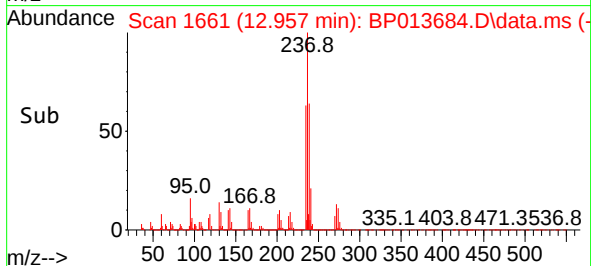
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:237 Resp: 1347081  
Ion Ratio Lower Upper  
237 100  
235 63.0 44.6 84.6  
272 13.4 0.0 33.2

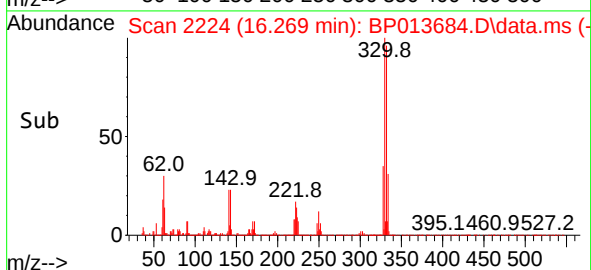
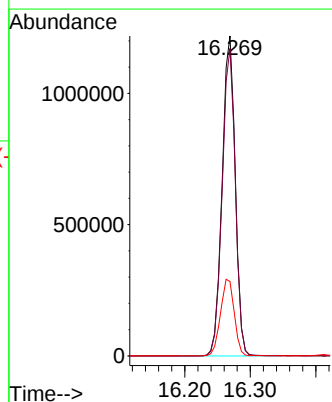
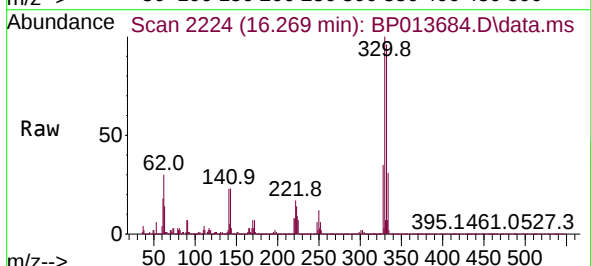
Manual Integrations  
APPROVED

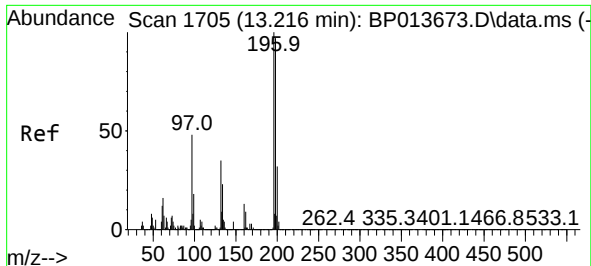
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#42  
2,4,6-Tribromophenol  
Concen: 141.285 ng  
RT: 16.269 min Scan# 2224  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

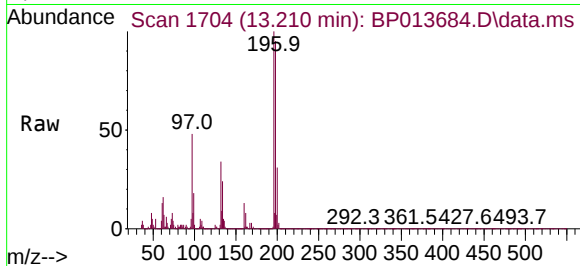
Tgt Ion:330 Resp: 1697472  
Ion Ratio Lower Upper  
330 100  
332 96.0 77.4 116.2  
141 25.2 21.3 31.9





#43  
2,4,6-Trichlorophenol  
Concen: 45.326 ng  
RT: 13.210 min Scan# 1705  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

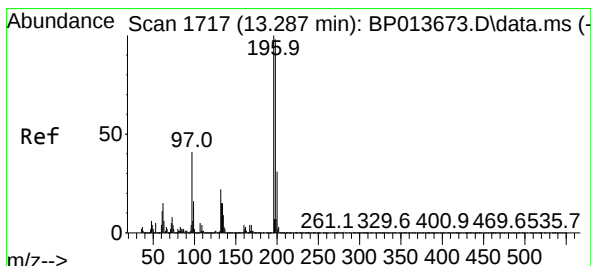
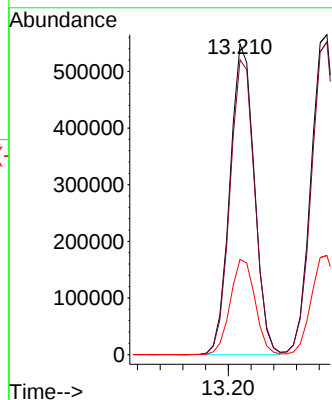
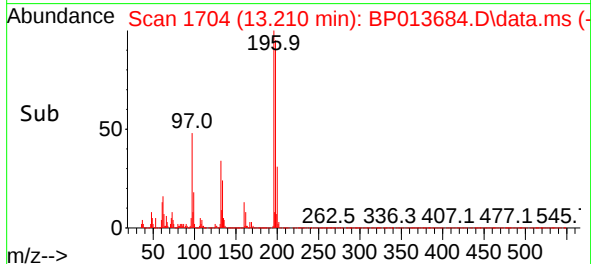
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:196 Resp: 816214  
Ion Ratio Lower Upper  
196 100  
198 94.9 77.5 116.3  
200 30.7 25.3 37.9

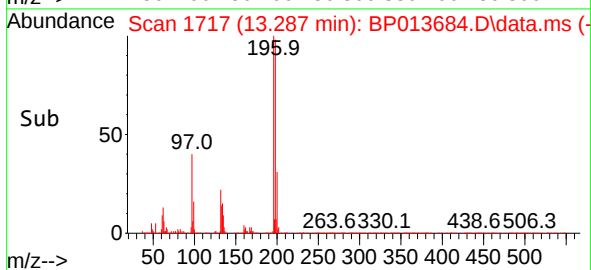
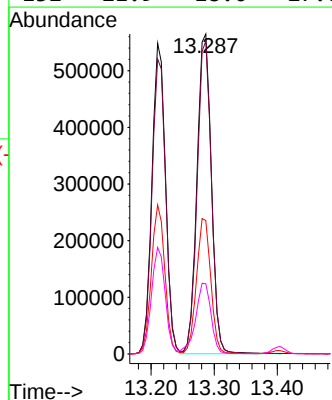
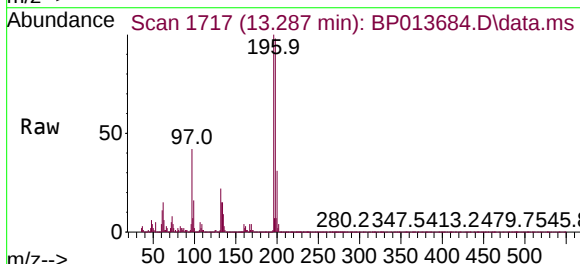
Manual Integrations  
APPROVED

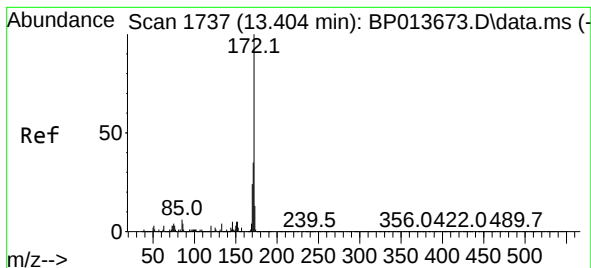
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#44  
2,4,5-Trichlorophenol  
Concen: 42.502 ng  
RT: 13.287 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:196 Resp: 896098  
Ion Ratio Lower Upper  
196 100  
198 97.7 78.2 117.2  
97 41.7 33.2 49.8  
132 21.9 18.0 27.0





#45  
2-Fluorobiphenyl  
Concen: 85.186 ng  
RT: 13.404 min Scan# 1737  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

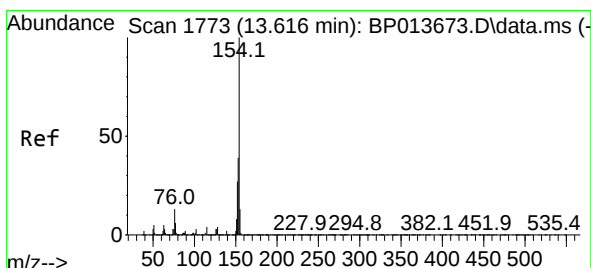
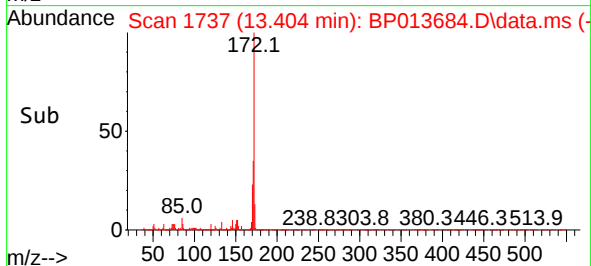
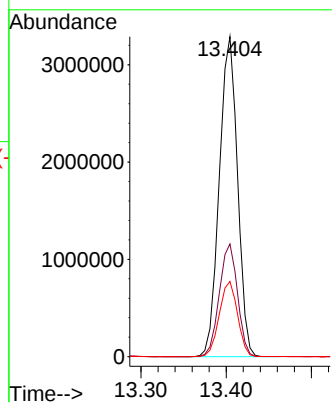
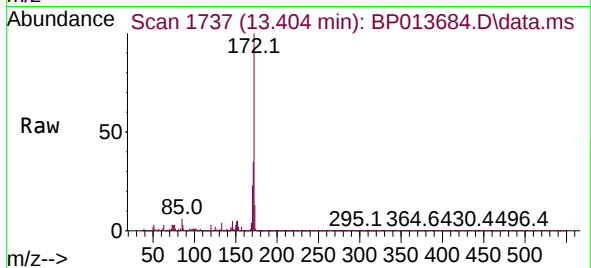
ClientSampleId :

PB150378BS

Tgt Ion:172 Resp: 4876543  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.2 42.2  
170 23.5 19.0 28.4

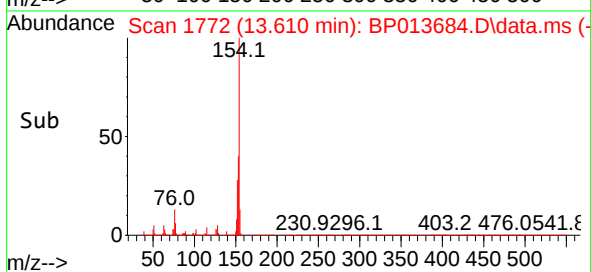
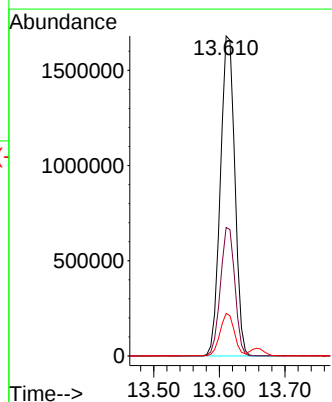
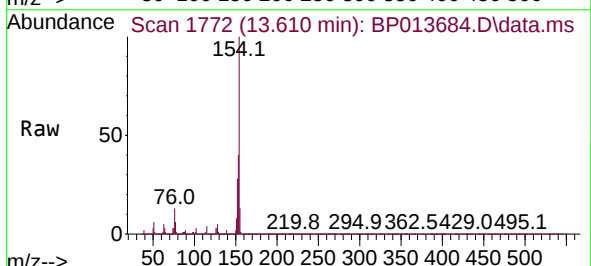
Manual Integrations  
APPROVED

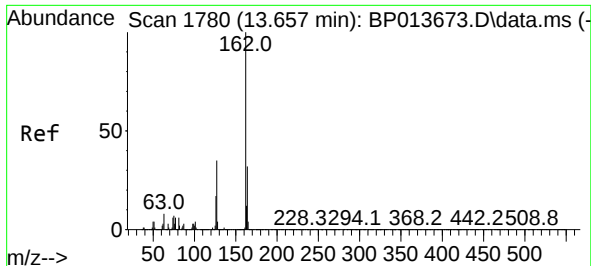
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#46  
1,1'-Biphenyl  
Concen: 42.552 ng  
RT: 13.610 min Scan# 1772  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:154 Resp: 2579371  
Ion Ratio Lower Upper  
154 100  
153 40.1 19.3 59.3  
76 13.3 0.0 33.1





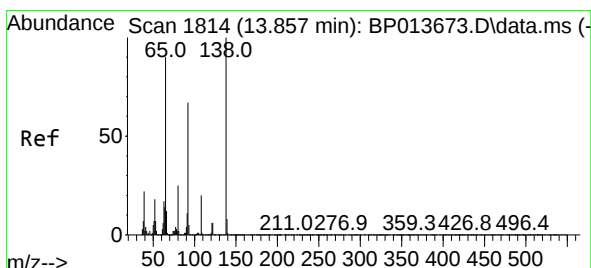
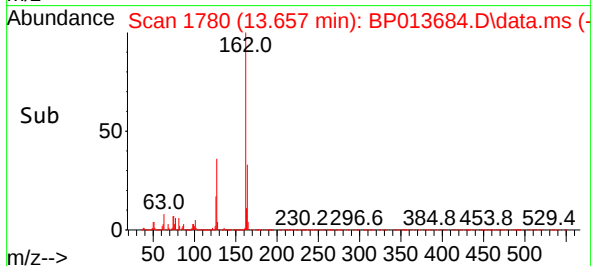
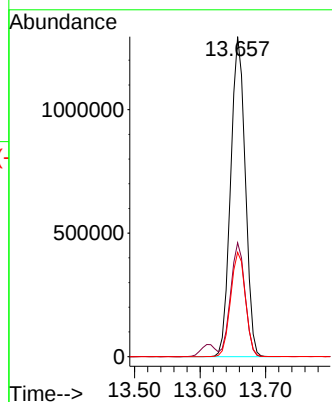
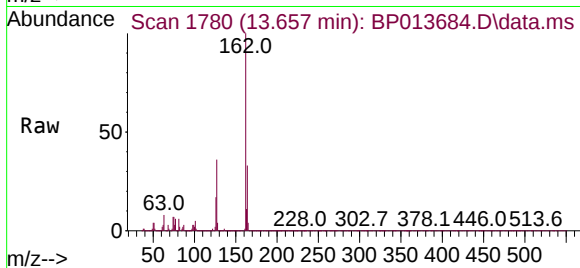
#47  
2-Chloronaphthalene  
Concen: 42.789 ng  
RT: 13.657 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion:162 Resp: 2004868  
Ion Ratio Lower Upper  
162 100  
127 35.6 28.3 42.5  
164 32.6 25.9 38.9

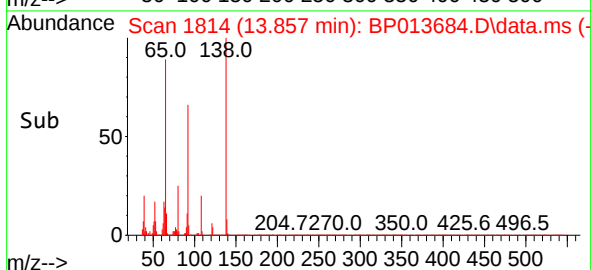
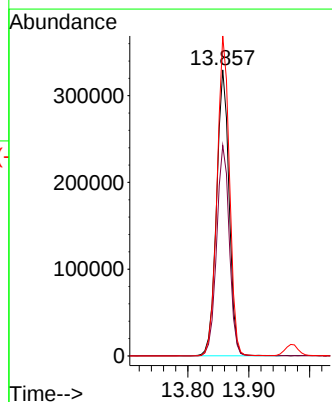
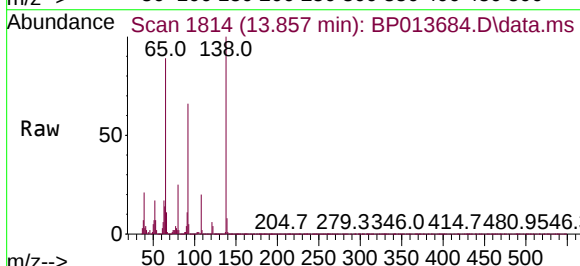
Manual Integrations  
APPROVED

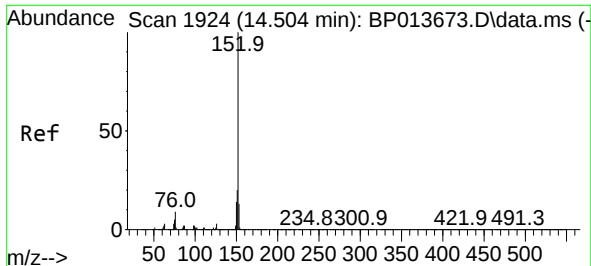
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#48  
2-Nitroaniline  
Concen: 40.830 ng  
RT: 13.857 min Scan# 1814  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion: 65 Resp: 471762  
Ion Ratio Lower Upper  
65 100  
92 73.6 59.4 89.0  
138 111.9 88.6 133.0





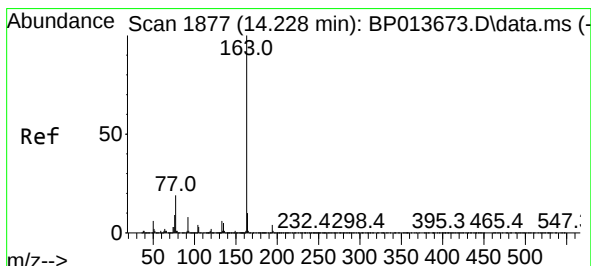
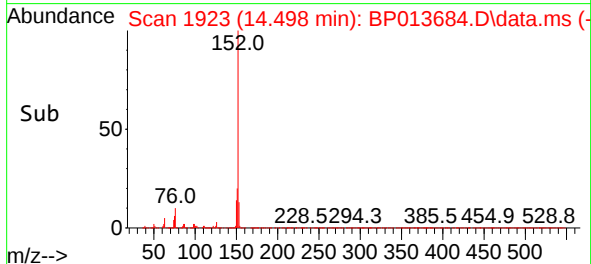
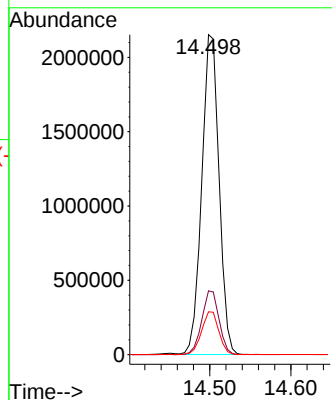
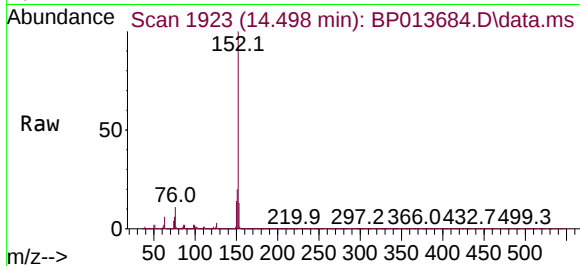
#49  
Acenaphthylene  
Concen: 42.163 ng  
RT: 14.498 min Scan# 1924  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion:152 Resp: 318587  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.8 23.6  
153 13.4 10.4 15.6

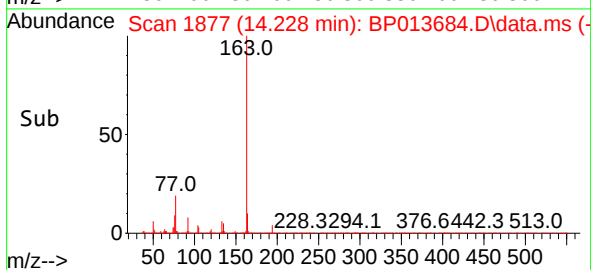
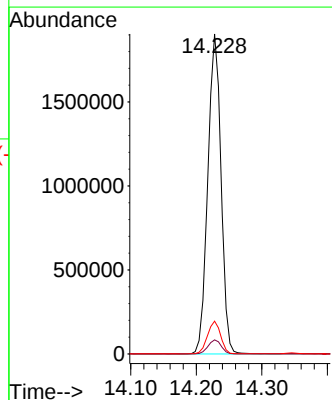
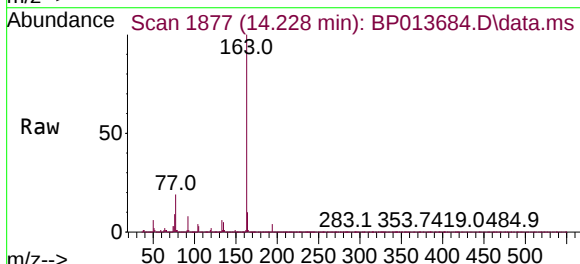
Manual Integrations  
APPROVED

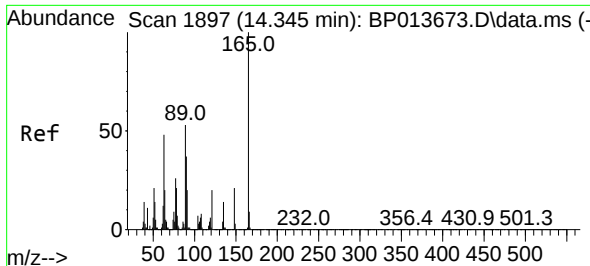
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#50  
Dimethylphthalate  
Concen: 42.891 ng  
RT: 14.228 min Scan# 1877  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:163 Resp: 2657412  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.5 5.3  
164 10.2 8.4 12.6





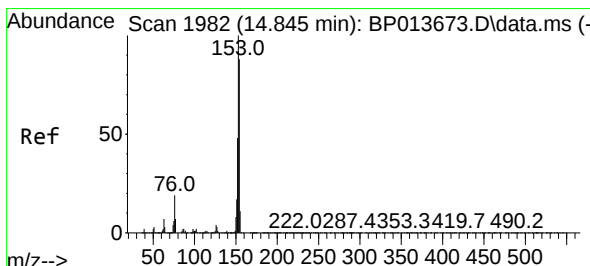
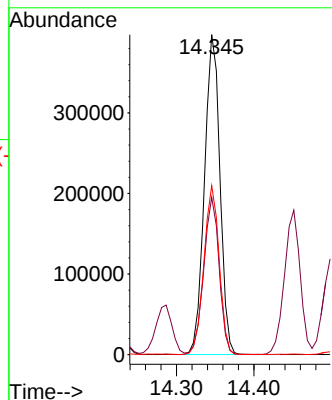
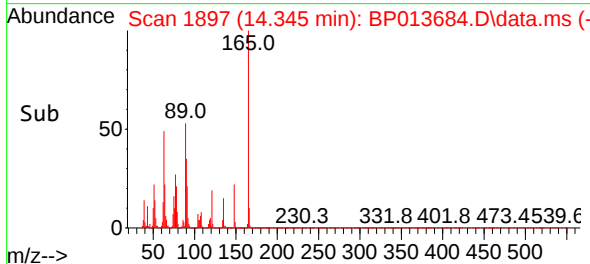
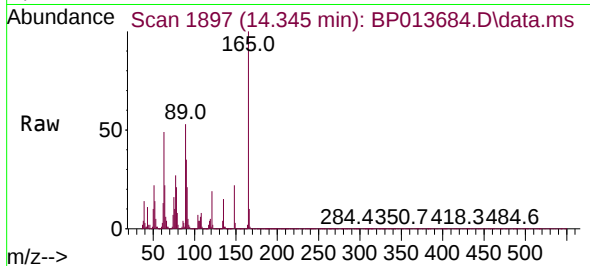
#51  
2,6-Dinitrotoluene  
Concen: 43.527 ng  
RT: 14.345 min Scan# 1897  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS

Tgt Ion:165 Resp: 550559  
Ion Ratio Lower Upper  
165 100  
63 49.1 39.8 59.6  
89 52.8 42.4 63.6

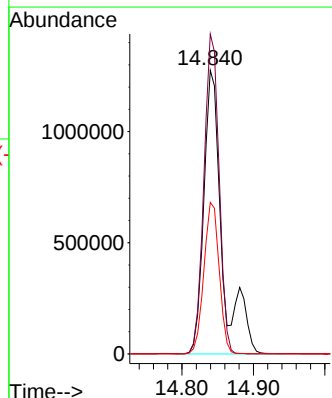
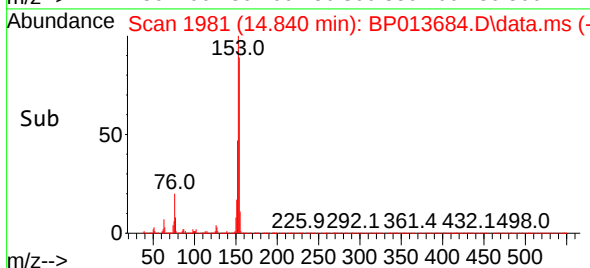
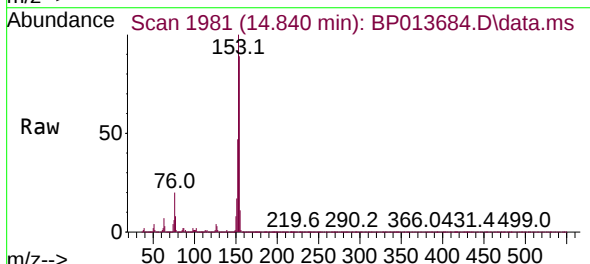
Manual Integrations  
APPROVED

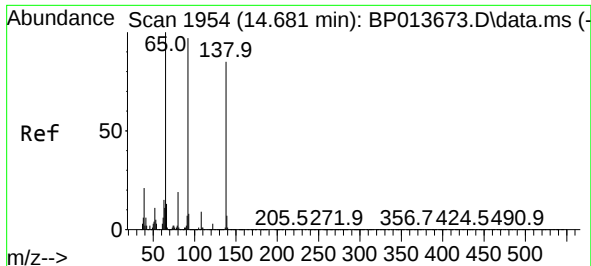
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#52  
Acenaphthene  
Concen: 46.984 ng m  
RT: 14.840 min Scan# 1981  
Delta R.T. -0.005 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:154 Resp: 2285561  
Ion Ratio Lower Upper  
154 100  
153 112.8 90.6 135.8  
152 53.4 43.4 65.0





#53  
3-Nitroaniline  
Concen: 33.113 ng  
RT: 14.675 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

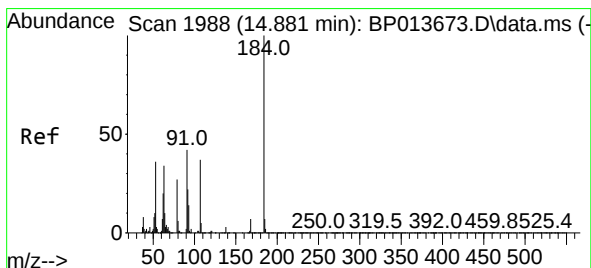
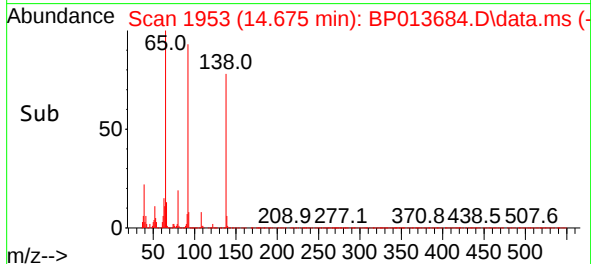
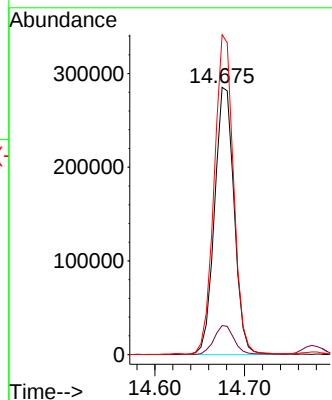
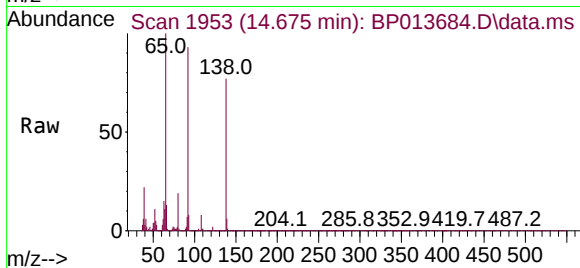
PB150378BS

Tgt Ion:138 Resp: 435346  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.5 12.7  
92 119.7 91.5 137.3

Manual Integrations

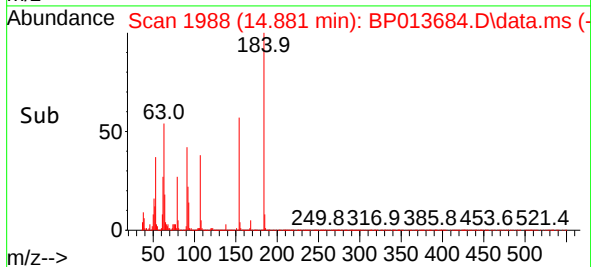
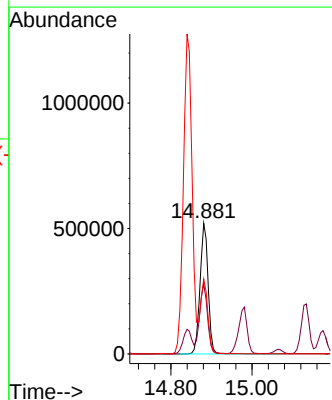
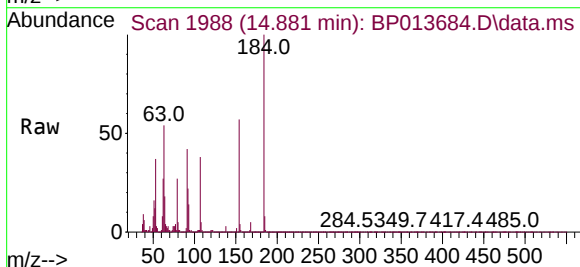
APPROVED

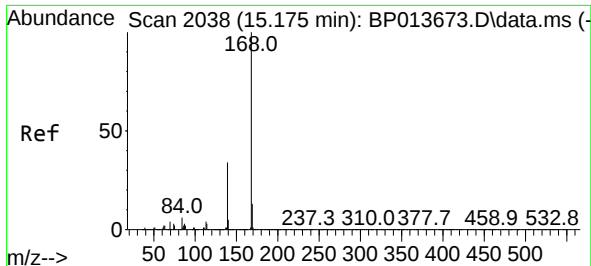
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#54  
2,4-Dinitrophenol  
Concen: 85.614 ng  
RT: 14.881 min Scan# 1988  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:184 Resp: 715278  
Ion Ratio Lower Upper  
184 100  
63 53.6 41.4 62.0  
154 57.4 44.3 66.5





#55  
Dibenzofuran  
Concen: 41.406 ng  
RT: 15.175 min Scan# 2038  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

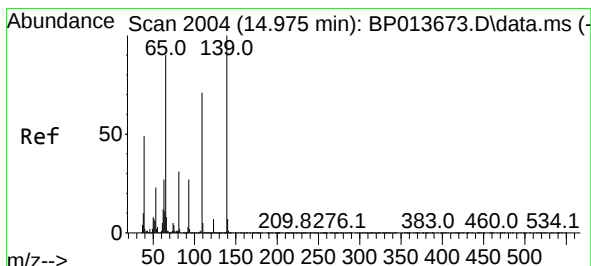
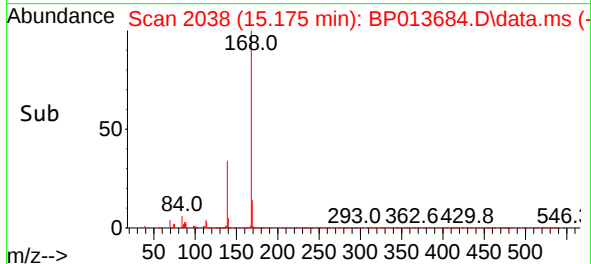
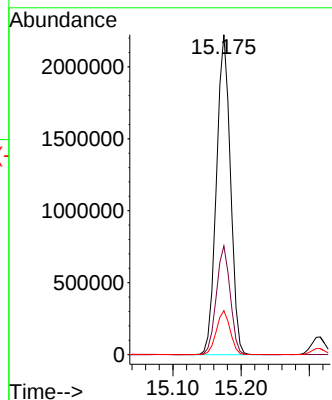
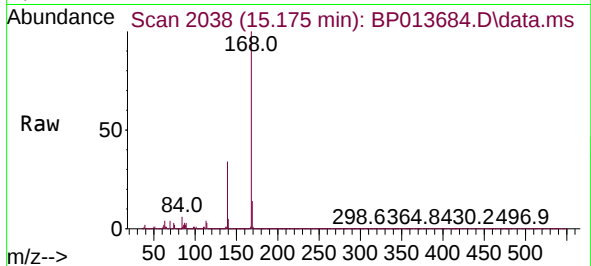
ClientSampleId :

PB150378BS

Tgt Ion:168 Resp: 3152288  
Ion Ratio Lower Upper  
168 100  
139 34.0 27.4 41.2  
169 13.7 10.7 16.1

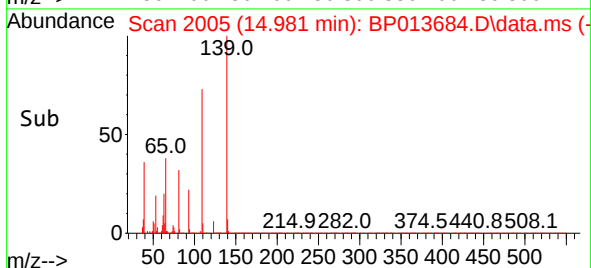
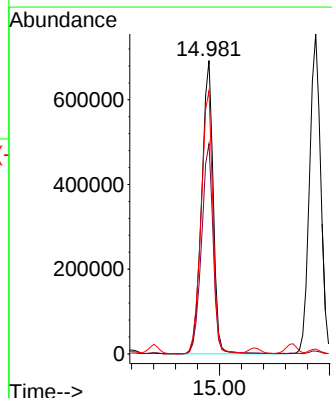
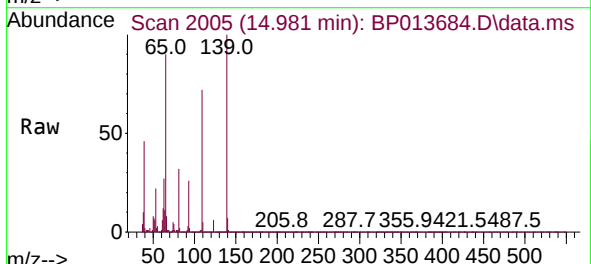
Manual Integrations  
APPROVED

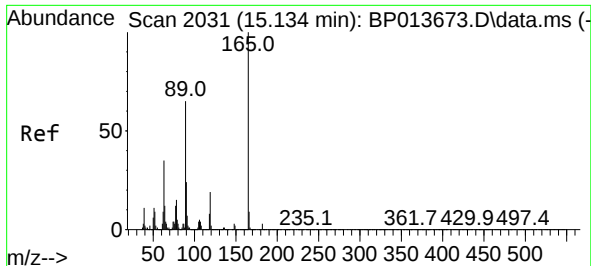
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#56  
4-Nitrophenol  
Concen: 94.052 ng  
RT: 14.981 min Scan# 2005  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:139 Resp: 1010325  
Ion Ratio Lower Upper  
139 100  
109 71.7 50.9 90.9  
65 89.7 70.0 110.0





#57  
2,4-Dinitrotoluene  
Concen: 44.321 ng  
RT: 15.134 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

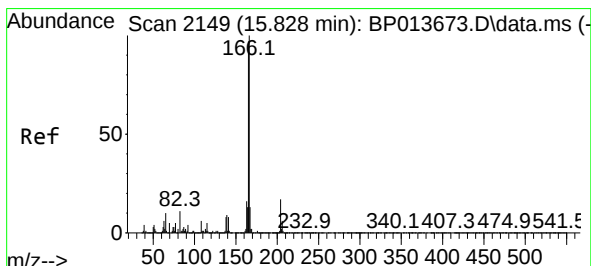
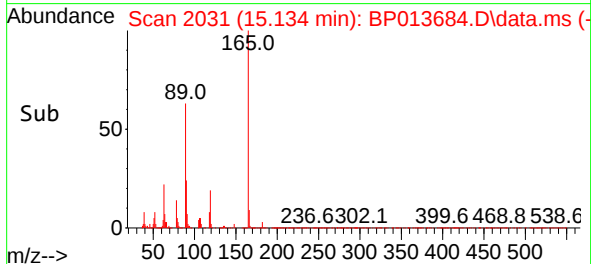
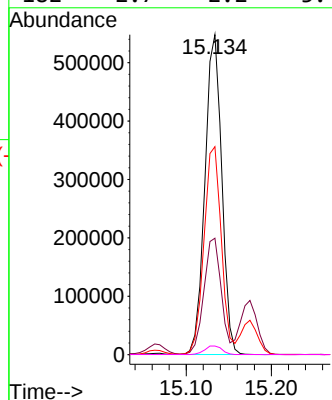
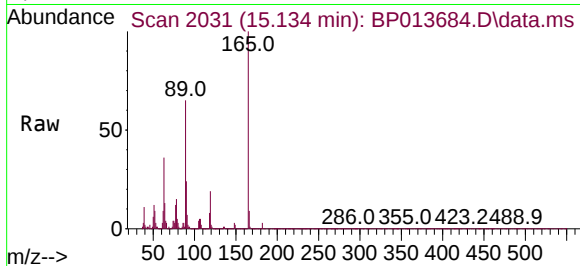
ClientSampleId :

PB150378BS

Tgt Ion:165 Resp: 751250  
Ion Ratio Lower Upper  
165 100  
63 36.4 28.1 42.1  
89 65.0 52.0 78.0  
182 2.7 2.2 3.4

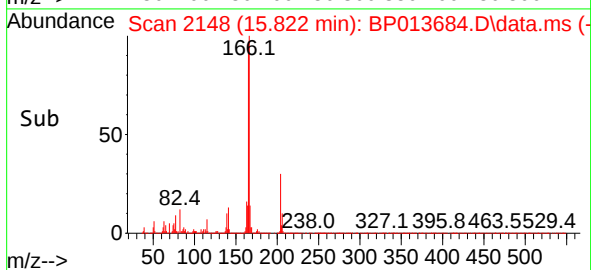
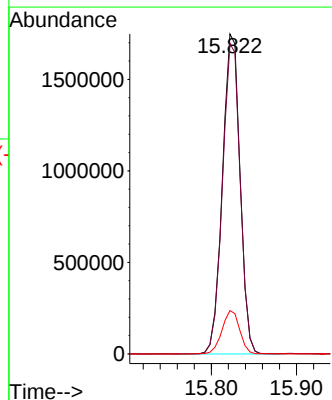
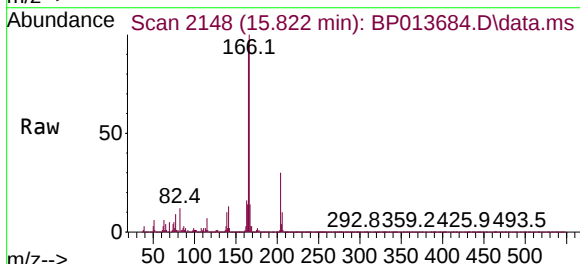
Manual Integrations  
APPROVED

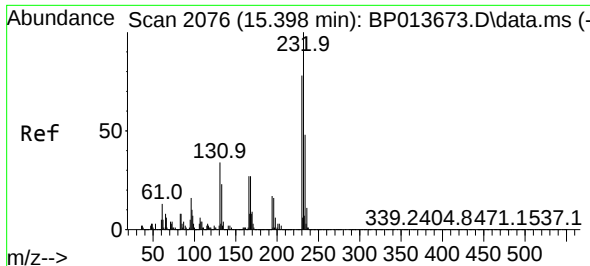
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#58  
Fluorene  
Concen: 41.965 ng  
RT: 15.822 min Scan# 2148  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:166 Resp: 2508341  
Ion Ratio Lower Upper  
166 100  
165 97.0 77.6 116.4  
167 13.5 10.6 15.8





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.384 ng  
RT: 15.398 min Scan# 2076  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

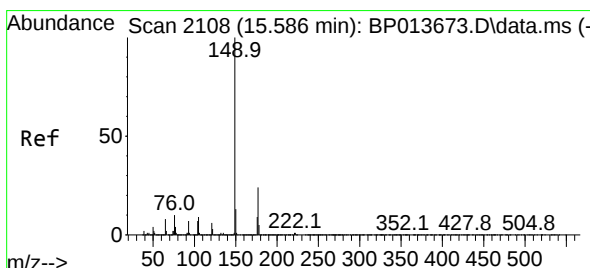
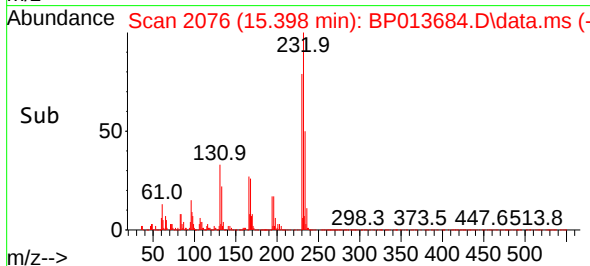
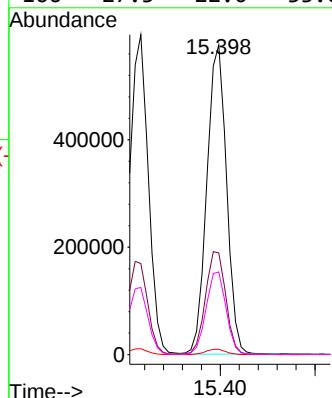
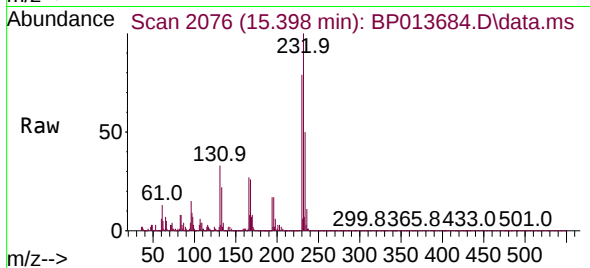
PB150378BS

Tgt Ion:232 Resp: 832052  
Ion Ratio Lower Upper  
232 100  
131 34.4 27.9 41.9  
130 1.8 1.4 2.0  
166 27.3 22.0 33.0

Manual Integrations

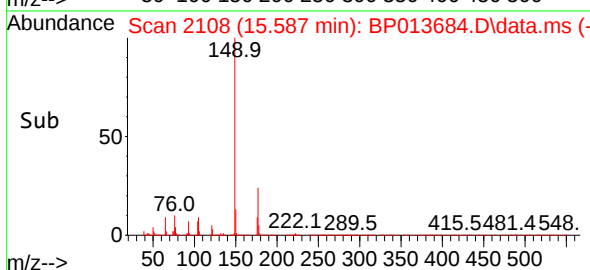
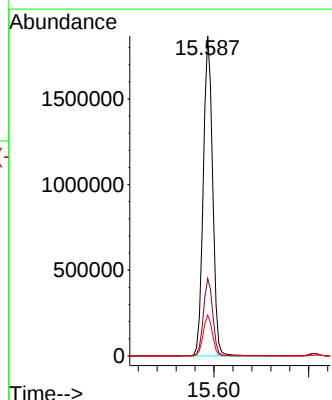
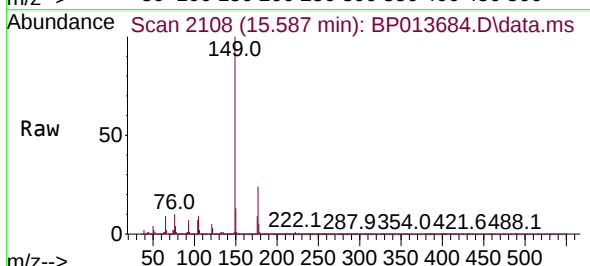
APPROVED

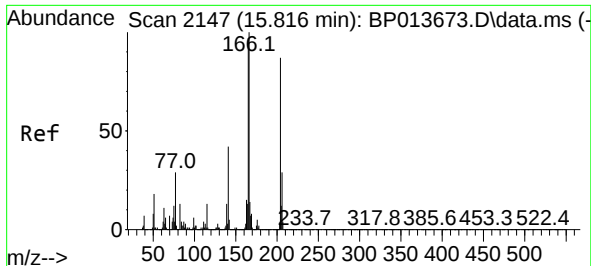
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#60  
Diethylphthalate  
Concen: 42.968 ng  
RT: 15.587 min Scan# 2108  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

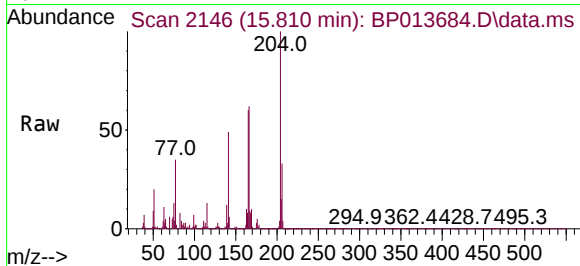
Tgt Ion:149 Resp: 2552116  
Ion Ratio Lower Upper  
149 100  
177 24.2 19.2 28.8  
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 42.310 ng  
RT: 15.810 min Scan# 2147  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

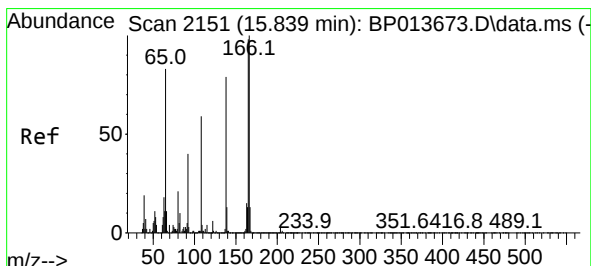
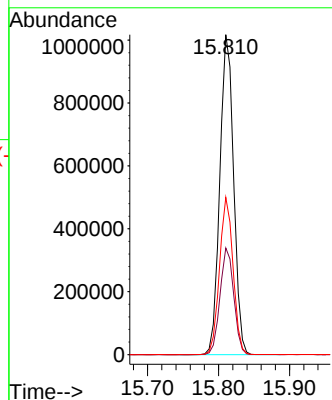
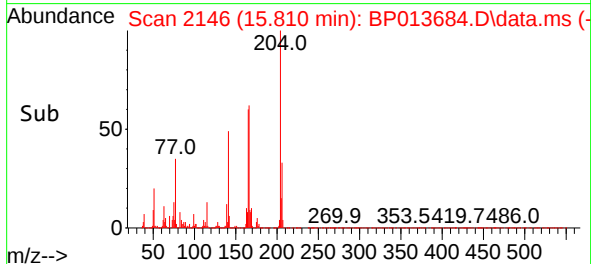
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



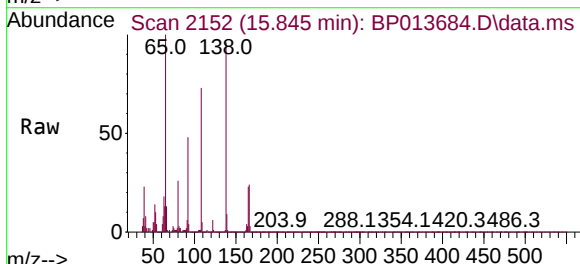
Tgt Ion:204 Resp: 137716  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 40.0  
141 49.1 38.1 57.1

Manual Integrations  
APPROVED

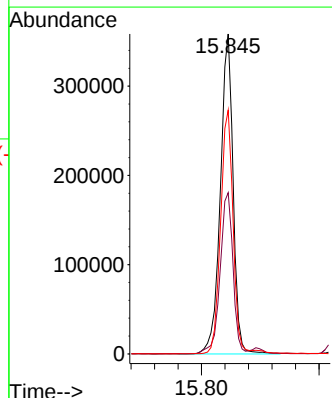
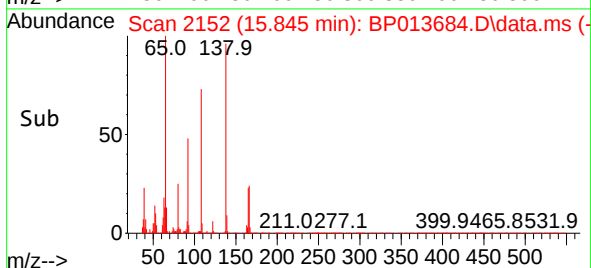
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

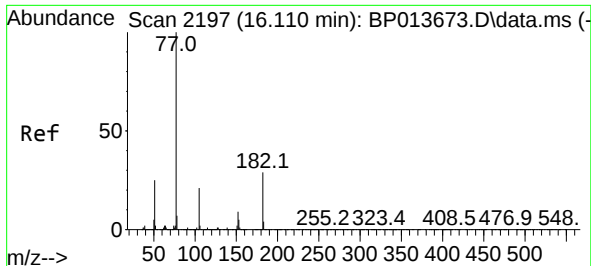


#62  
4-Nitroaniline  
Concen: 40.362 ng  
RT: 15.845 min Scan# 2152  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



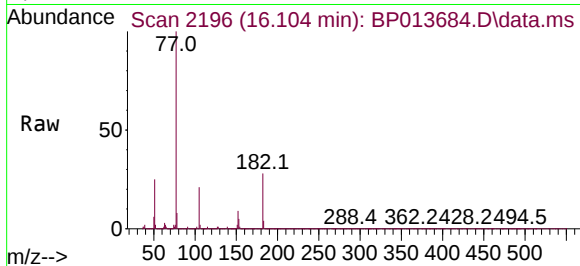
Tgt Ion:138 Resp: 540433  
Ion Ratio Lower Upper  
138 100  
92 50.4 30.3 70.3  
108 76.2 55.4 95.4





#63  
Azobenzene  
Concen: 42.530 ng  
RT: 16.104 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

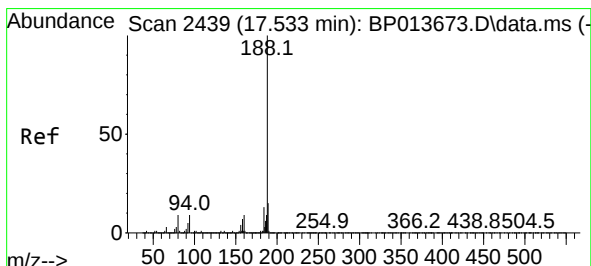
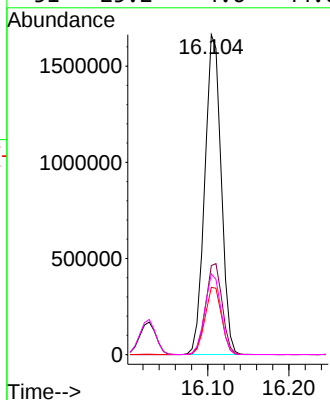
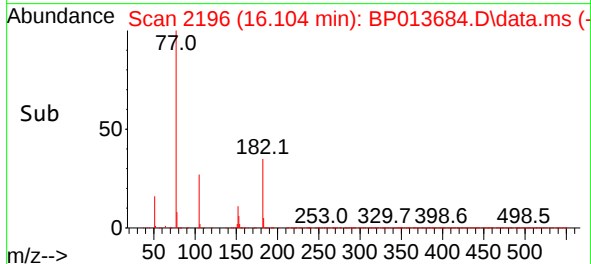
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion: 77 Resp: 2333492  
Ion Ratio Lower Upper  
77 100  
182 27.8 9.3 49.3  
105 21.0 1.1 41.1  
51 25.2 4.6 44.6

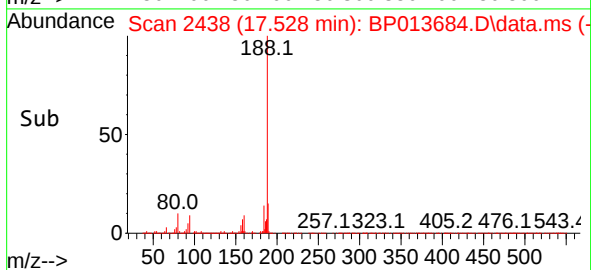
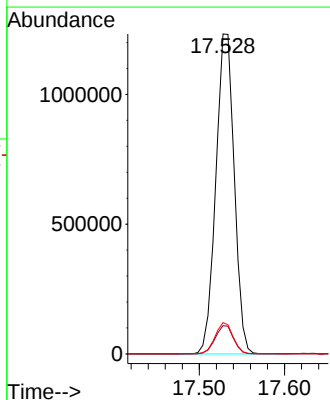
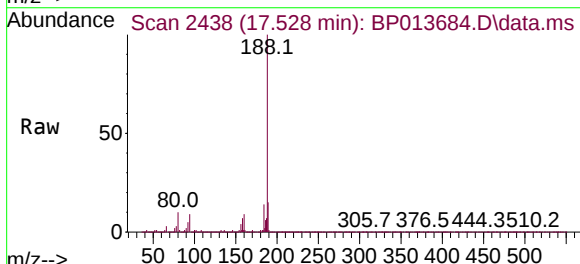
Manual Integrations  
APPROVED

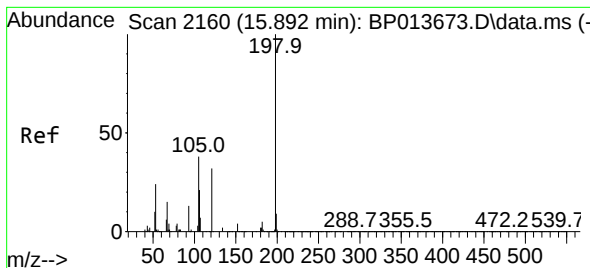
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.528 min Scan# 2438  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

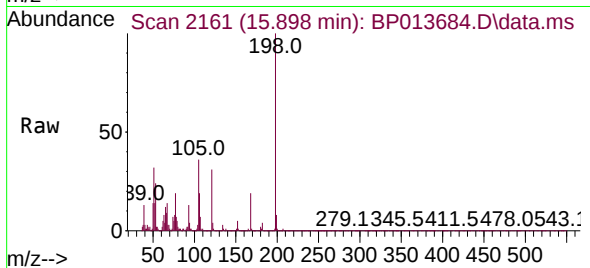
Tgt Ion:188 Resp: 1851077  
Ion Ratio Lower Upper  
188 100  
94 8.8 6.9 10.3  
80 9.8 7.4 11.0





#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.477 ng  
RT: 15.898 min Scan# 2160  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

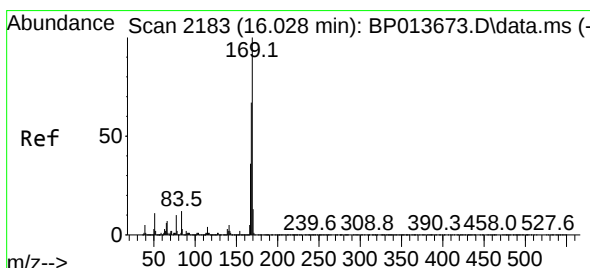
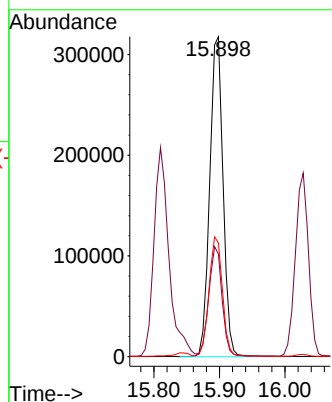
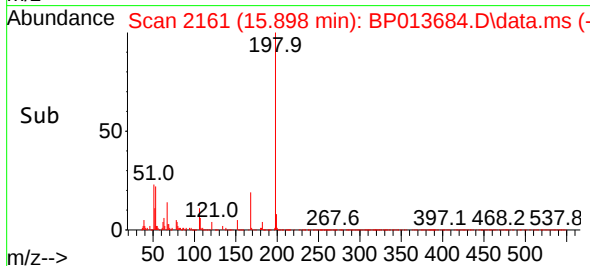
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:198 Resp: 447924  
Ion Ratio Lower Upper  
198 100  
51 32.0 15.4 55.4  
105 35.5 18.3 58.3

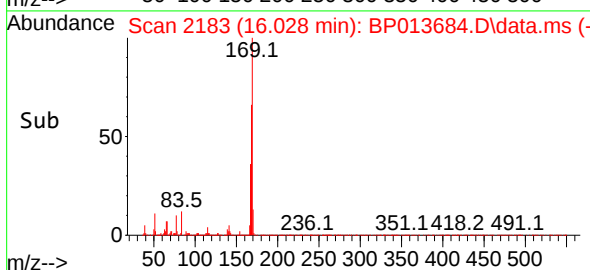
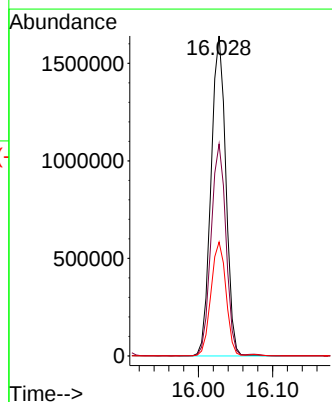
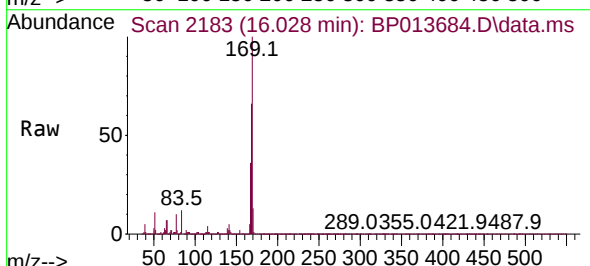
Manual Integrations  
APPROVED

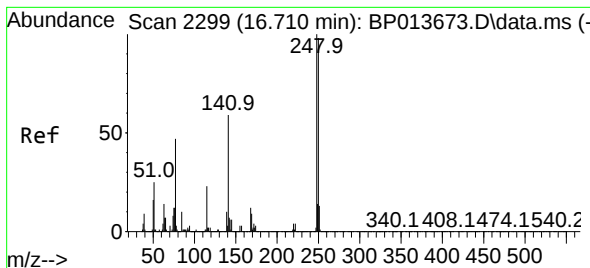
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#66  
n-Nitrosodiphenylamine  
Concen: 42.240 ng  
RT: 16.028 min Scan# 2183  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

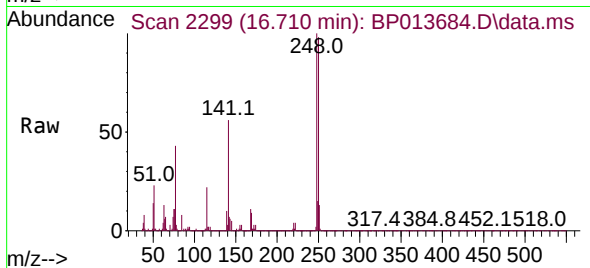
Tgt Ion:169 Resp: 2275021  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.8 80.6  
167 35.6 28.9 43.3





#67  
4-Bromophenyl-phenylether  
Concen: 43.329 ng  
RT: 16.710 min Scan# 2299  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

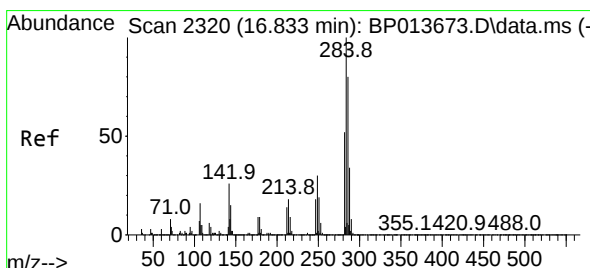
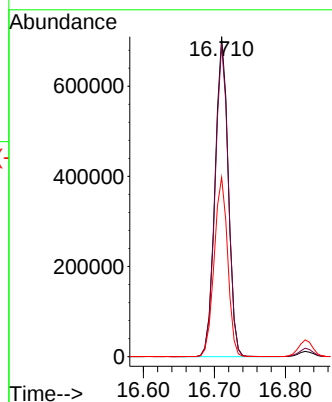
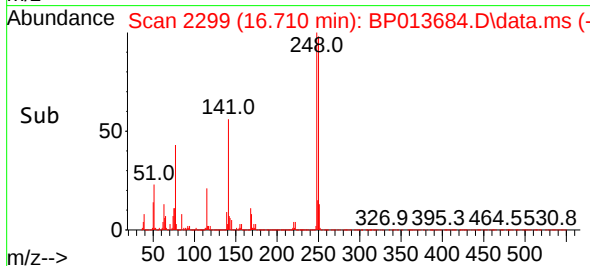
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:248 Resp: 919418  
Ion Ratio Lower Upper  
248 100  
250 97.6 78.2 117.2  
141 56.0 46.8 70.2

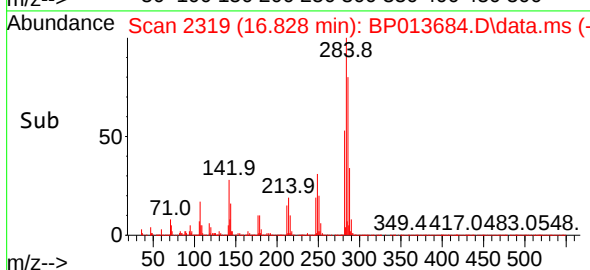
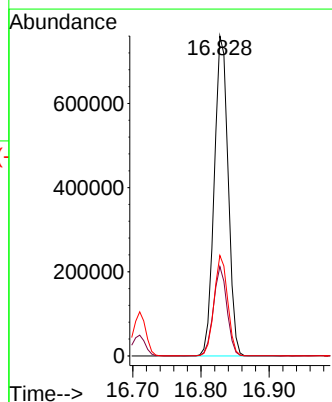
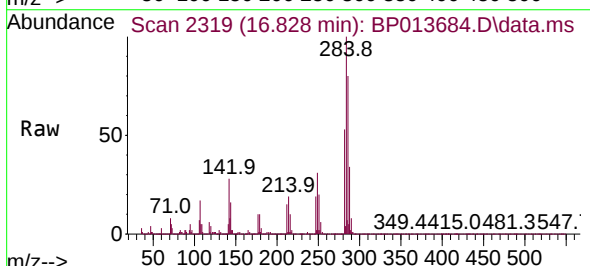
Manual Integrations  
APPROVED

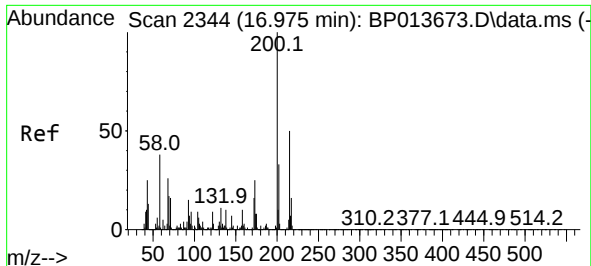
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#68  
Hexachlorobenzene  
Concen: 45.597 ng  
RT: 16.828 min Scan# 2319  
Delta R.T. -0.005 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:284 Resp: 1071399  
Ion Ratio Lower Upper  
284 100  
142 27.9 20.6 31.0  
249 31.4 23.9 35.9





#69  
Atrazine  
Concen: 49.284 ng  
RT: 16.981 min Scan# 2345  
Delta R.T. 0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

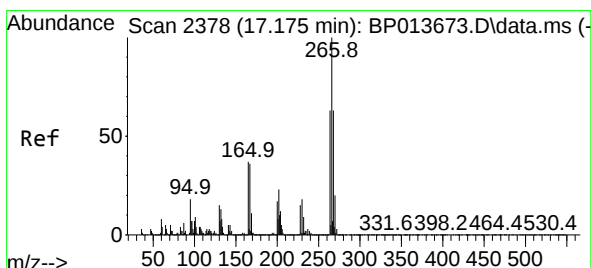
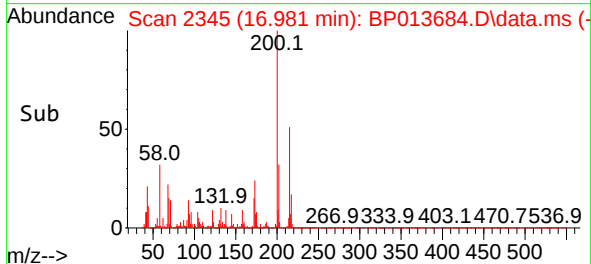
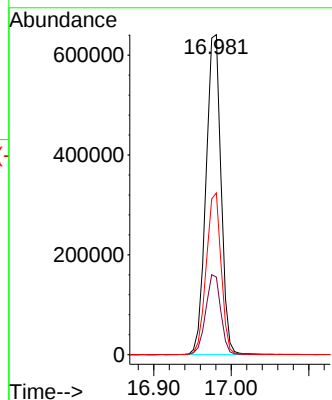
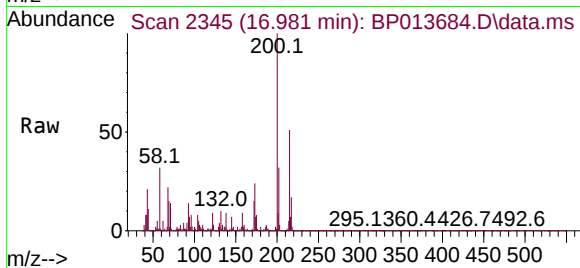
PB150378BS

Tgt Ion:200 Resp: 863738  
Ion Ratio Lower Upper  
200 100  
173 24.2 5.2 45.2  
215 50.5 29.8 69.8

Manual Integrations

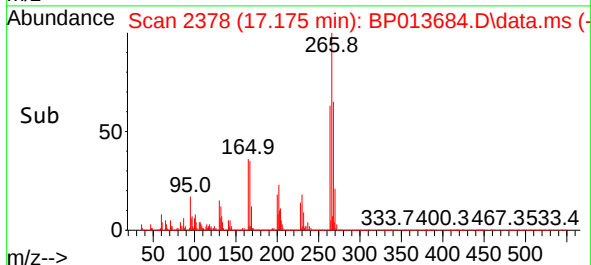
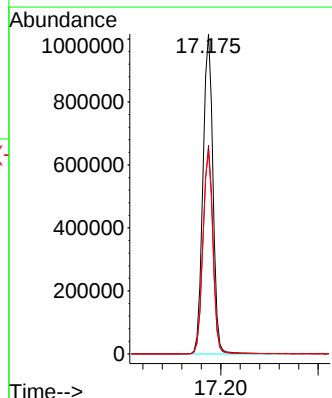
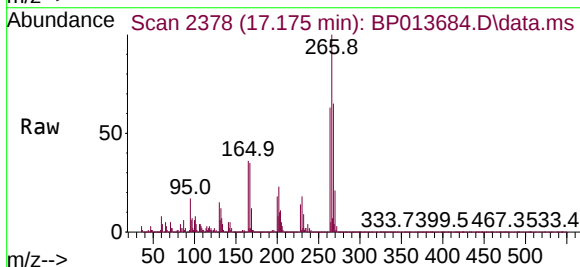
APPROVED

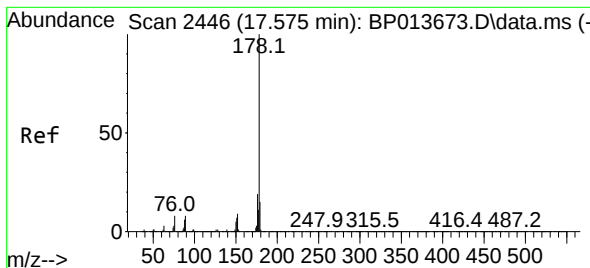
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#70  
Pentachlorophenol  
Concen: 83.427 ng  
RT: 17.175 min Scan# 2378  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

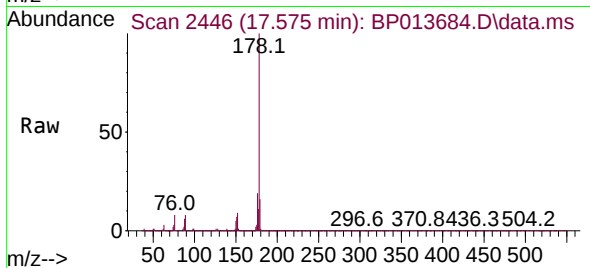
Tgt Ion:266 Resp: 1445994  
Ion Ratio Lower Upper  
266 100  
268 65.1 50.7 76.1  
264 63.3 50.5 75.7





#71  
Phenanthrene  
Concen: 42.719 ng  
RT: 17.575 min Scan# 2446  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

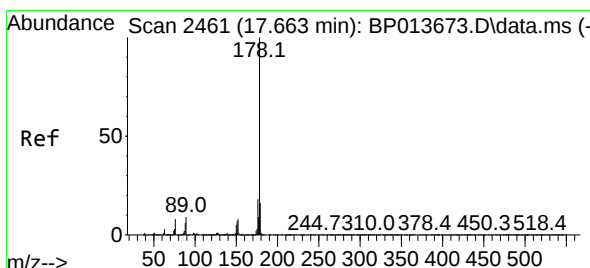
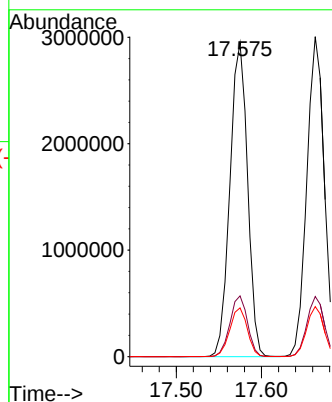
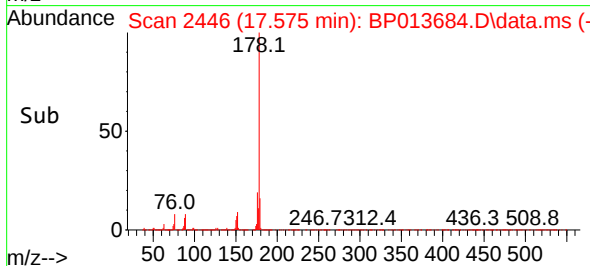
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



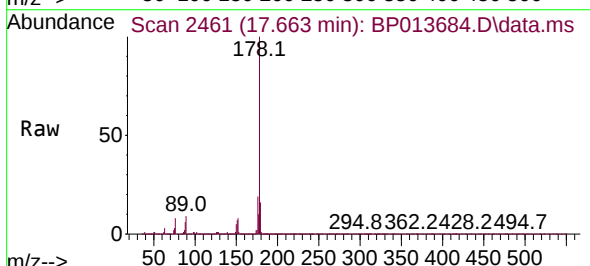
Tgt Ion:178 Resp: 4238463  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 15.6 12.2 18.2

Manual Integrations  
APPROVED

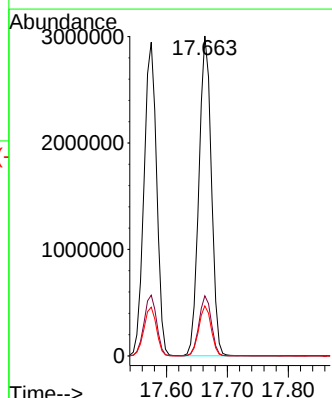
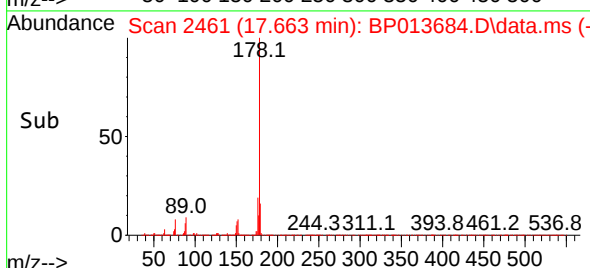
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

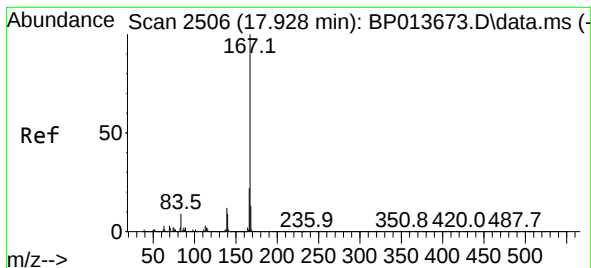


#72  
Anthracene  
Concen: 42.504 ng  
RT: 17.663 min Scan# 2461  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion:178 Resp: 4257449  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.7 22.1  
179 15.6 12.4 18.6





#73

Carbazole

Concen: 42.460 ng

RT: 17.928 min Scan# 2506

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

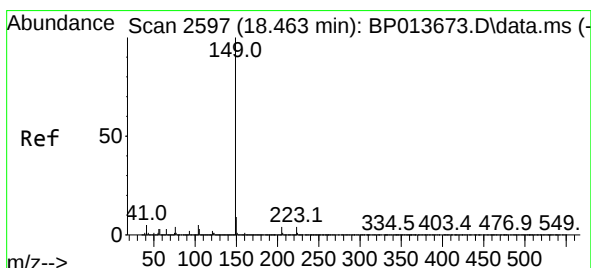
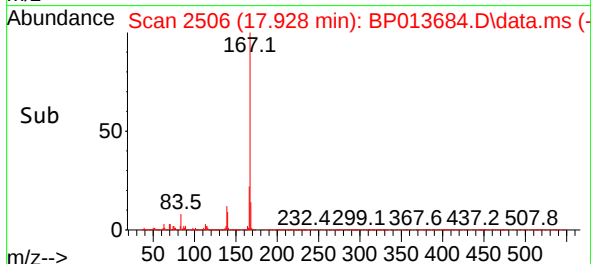
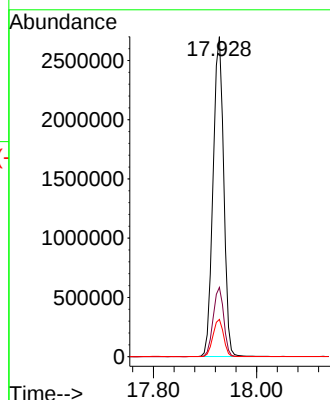
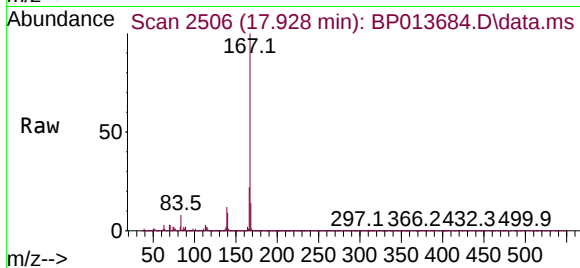
Tgt Ion:167 Resp: 386192

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.6  | 17.4  | 26.0  |
| 139 | 11.7  | 9.5   | 14.3  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#74

Di-n-butylphthalate

Concen: 43.515 ng

RT: 18.457 min Scan# 2596

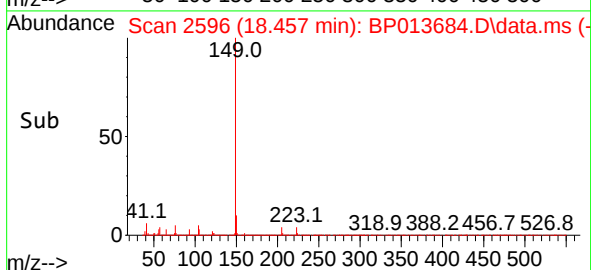
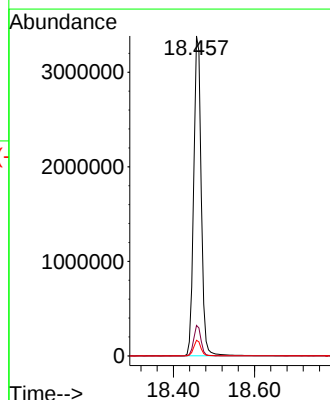
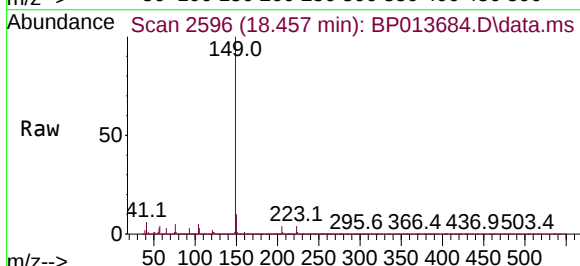
Delta R.T. -0.006 min

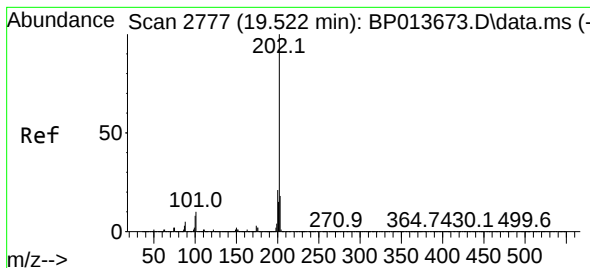
Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Tgt Ion:149 Resp: 4331139

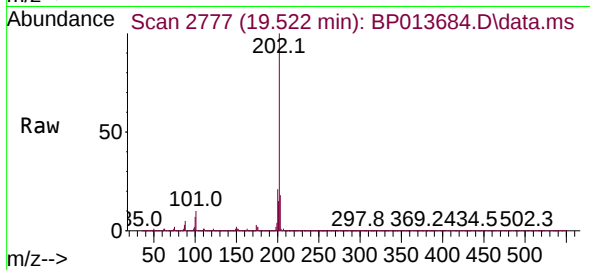
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.5   | 7.4   | 11.0  |
| 104 | 4.9   | 3.8   | 5.6   |





#75  
Fluoranthene  
Concen: 41.370 ng  
RT: 19.522 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

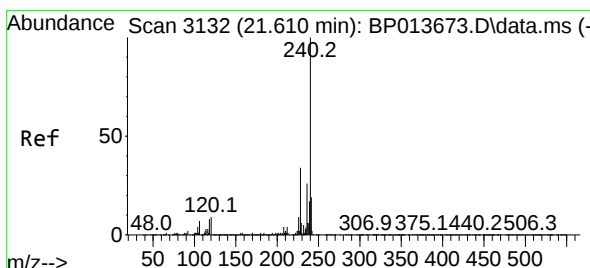
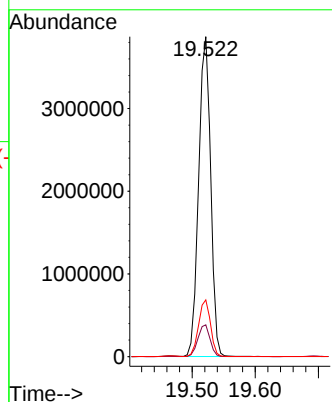
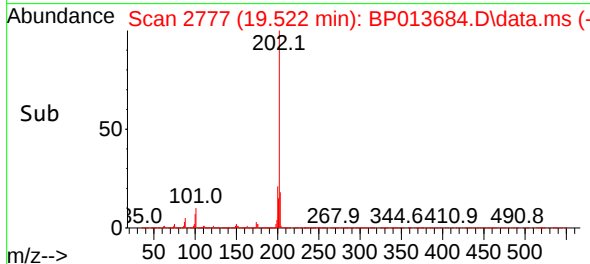
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



Tgt Ion:202 Resp: 5110055  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 30.2  
203 17.8 0.0 37.9

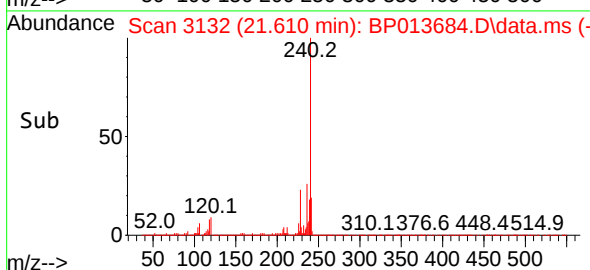
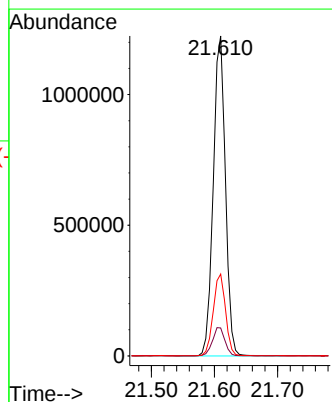
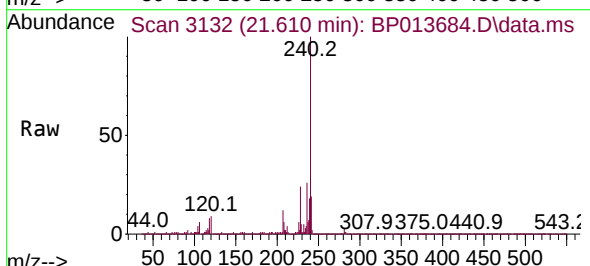
Manual Integrations  
APPROVED

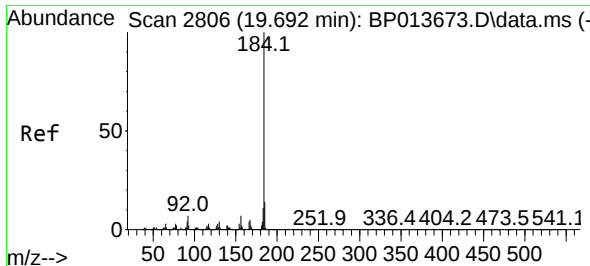
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.610 min Scan# 3132  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

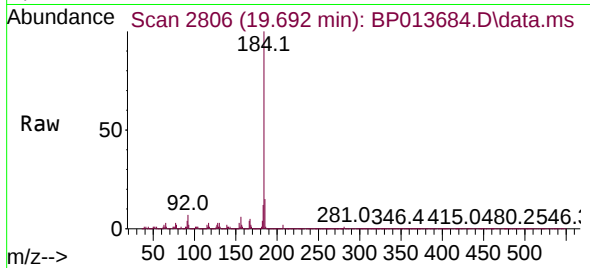
Tgt Ion:240 Resp: 1639741  
Ion Ratio Lower Upper  
240 100  
120 8.7 7.4 11.0  
236 25.6 20.6 30.8





#77  
Benzidine  
Concen: 51.944 ng  
RT: 19.692 min Scan# 2806  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

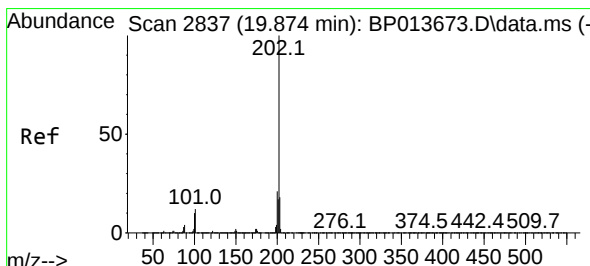
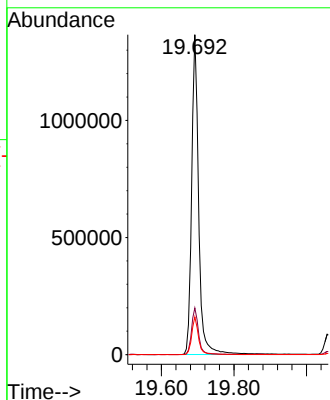
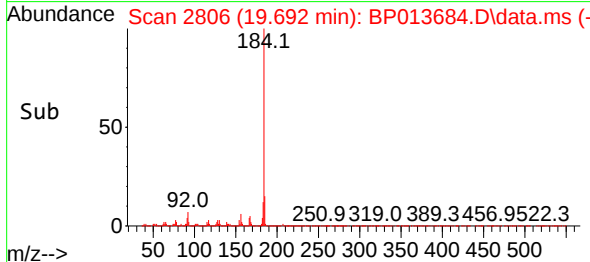
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



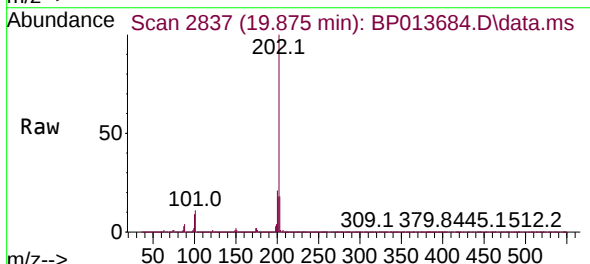
Tgt Ion:184 Resp: 183974  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.4 17.2  
183 11.8 9.2 13.8

Manual Integrations  
APPROVED

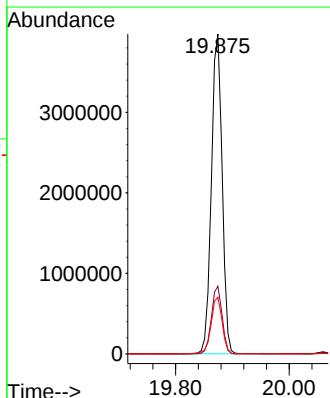
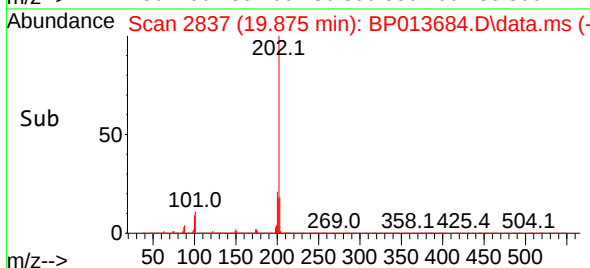
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

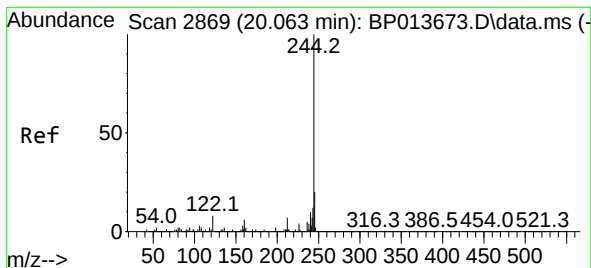


#78  
Pyrene  
Concen: 47.533 ng  
RT: 19.875 min Scan# 2837  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion:202 Resp: 5243756  
Ion Ratio Lower Upper  
202 100  
200 21.1 16.9 25.3  
203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 103.358 ng

RT: 20.057 min Scan# 2869

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

Tgt Ion:244 Resp: 853483

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

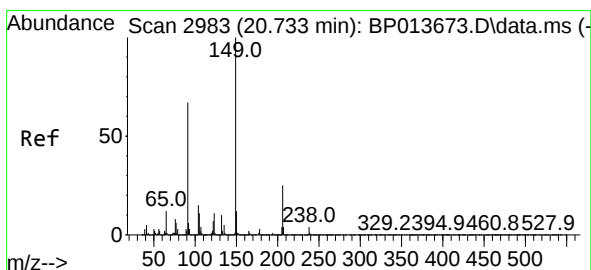
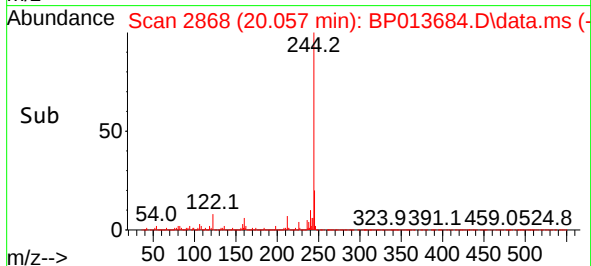
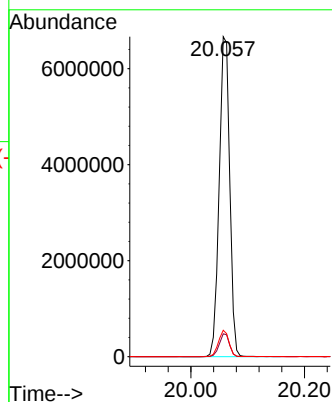
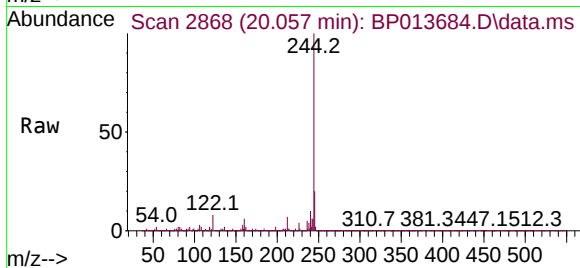
122 8.2 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#80

Butylbenzylphthalate

Concen: 48.541 ng

RT: 20.727 min Scan# 2982

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

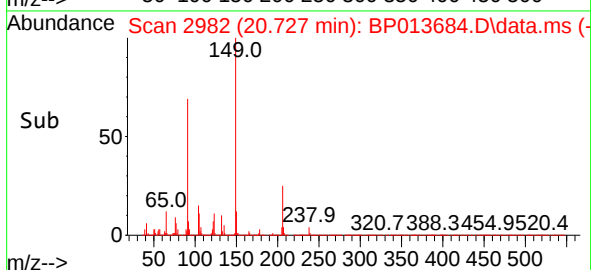
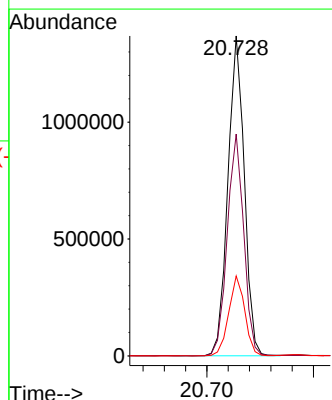
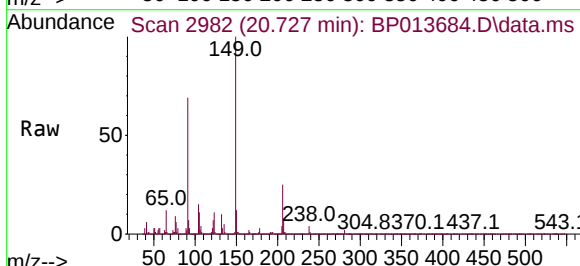
Tgt Ion:149 Resp: 1461881

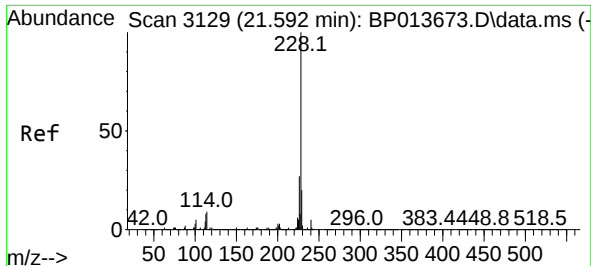
Ion Ratio Lower Upper

149 100

91 69.3 54.0 81.0

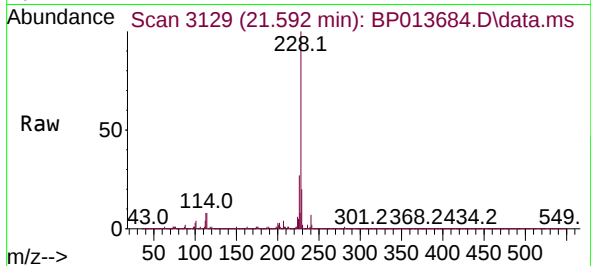
206 25.0 19.8 29.8





#81  
Benzo(a)anthracene  
Concen: 43.621 ng  
RT: 21.592 min Scan# 3115  
Delta R.T. 0.000 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

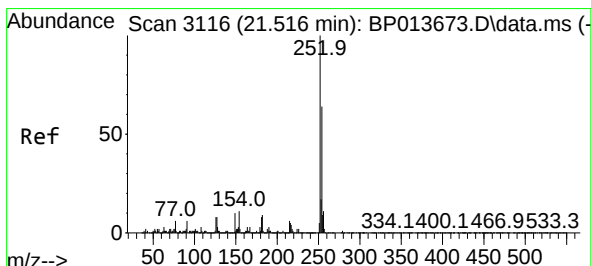
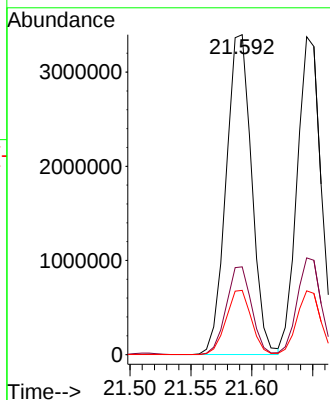
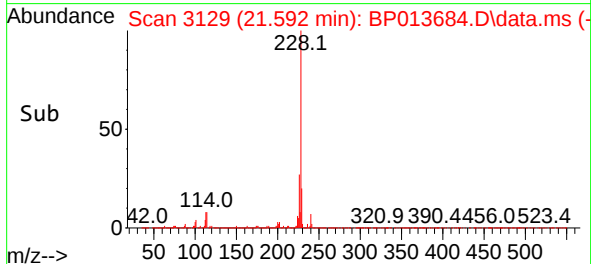
Instrument :  
BNA\_P  
ClientSampleId :  
PB150378BS



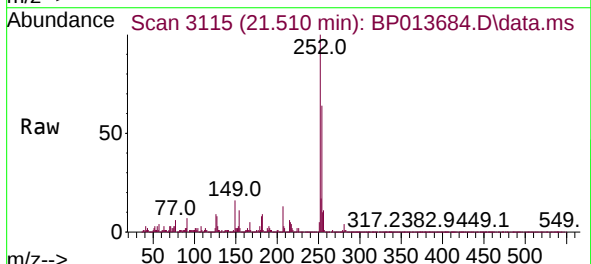
Tgt Ion:228 Resp: 4968194  
Ion Ratio Lower Upper  
228 100  
226 27.4 21.9 32.9  
229 20.1 16.0 24.0

Manual Integrations  
APPROVED

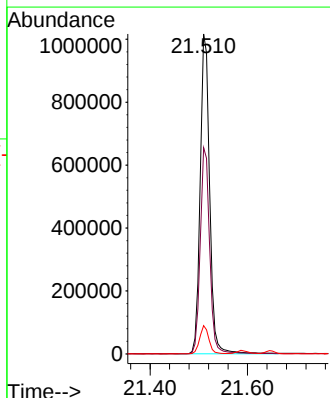
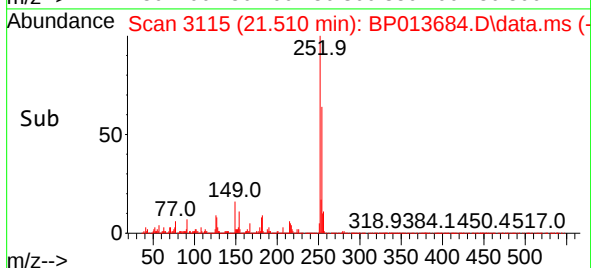
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023

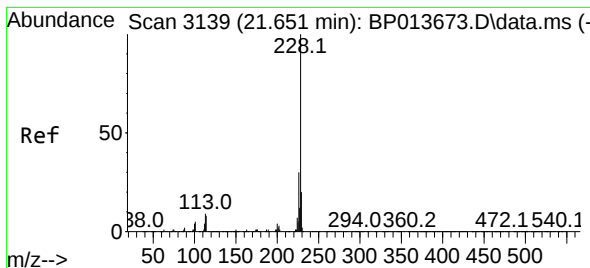


#82  
3,3'-Dichlorobenzidine  
Concen: 37.821 ng  
RT: 21.510 min Scan# 3115  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04



Tgt Ion:252 Resp: 1361890  
Ion Ratio Lower Upper  
252 100  
254 64.4 50.9 76.3  
126 8.8 6.7 10.1





#83

Chrysene

Concen: 42.186 ng

RT: 21.645 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

Tgt Ion:228 Resp: 457775

Ion Ratio Lower Upper

228 100

226 30.4 24.1 36.1

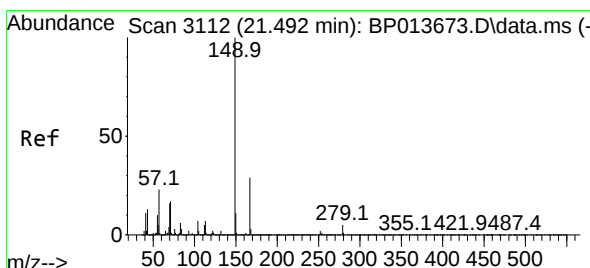
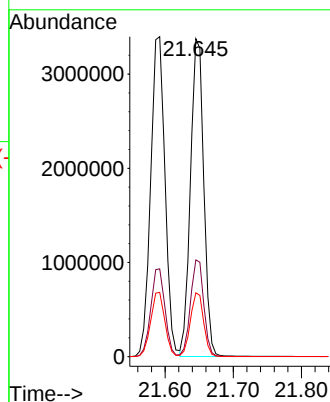
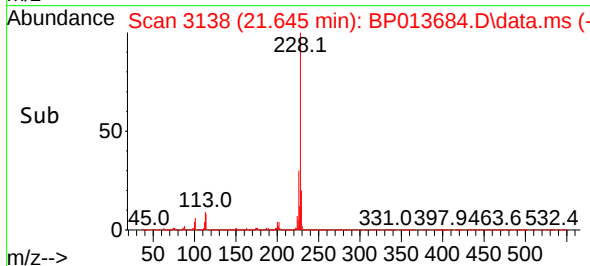
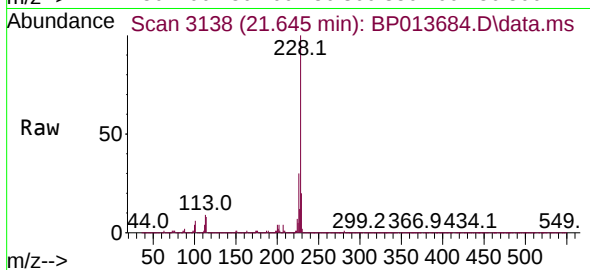
229 20.0 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.754 ng

RT: 21.486 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

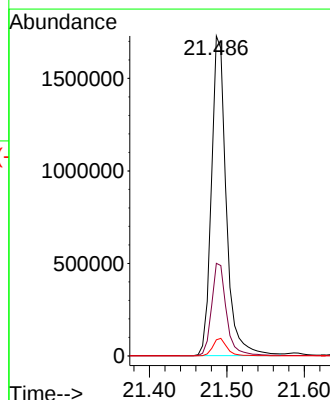
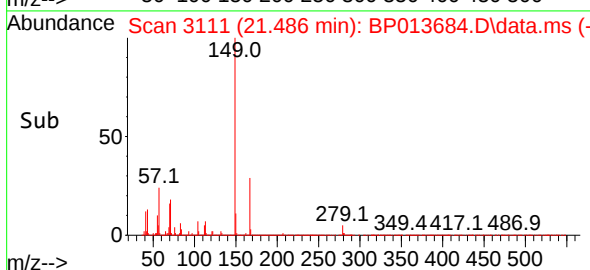
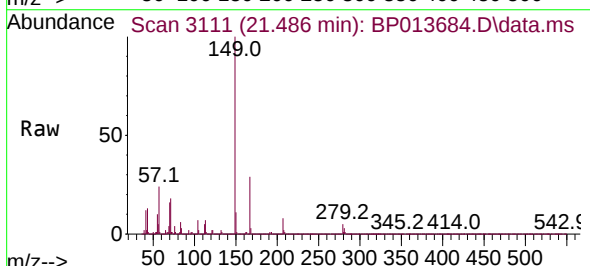
Tgt Ion:149 Resp: 2294930

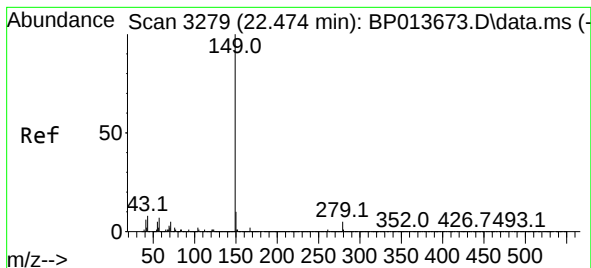
Ion Ratio Lower Upper

149 100

167 28.9 23.0 34.6

279 5.0 3.9 5.9





#85

Di-n-octyl phthalate

Concen: 40.239 ng

RT: 22.474 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

Tgt Ion:149 Resp: 3767878

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

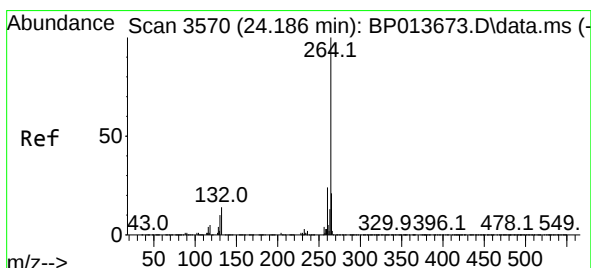
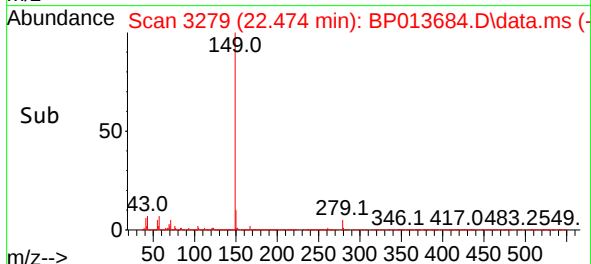
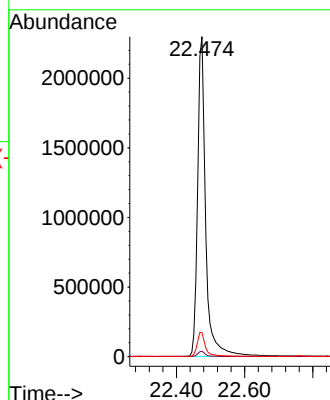
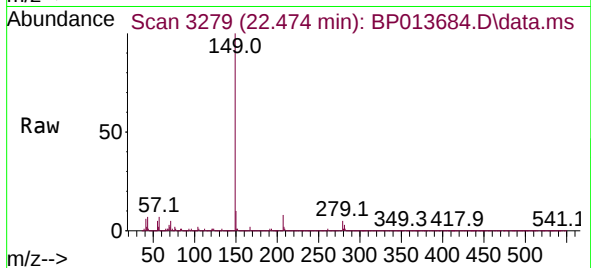
43 8.0 6.3 9.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.180 min Scan# 3569

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

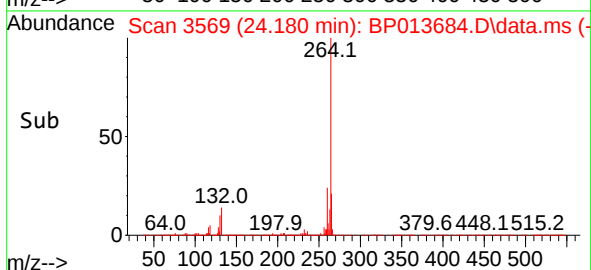
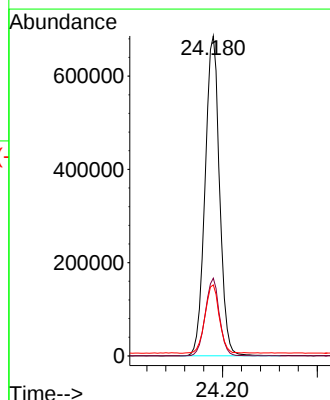
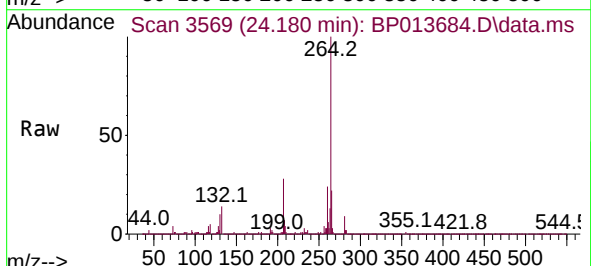
Tgt Ion:264 Resp: 1453642

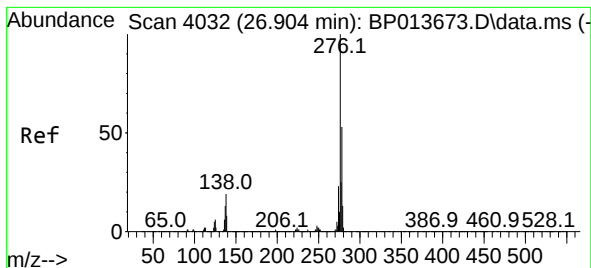
Ion Ratio Lower Upper

264 100

260 24.3 18.8 28.2

265 22.2 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.975 ng

RT: 26.904 min Scan# 4032

Delta R.T. 0.000 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

ClientSampleId :

PB150378BS

Tgt Ion:276 Resp: 4198180

Ion Ratio Lower Upper

276 100

138 20.6 16.5 24.7

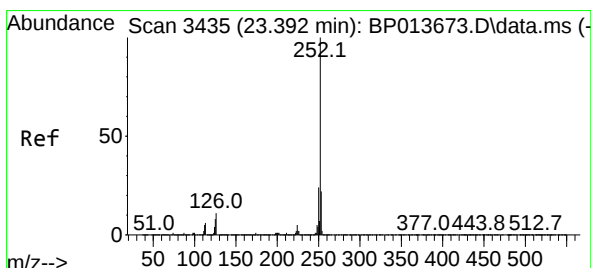
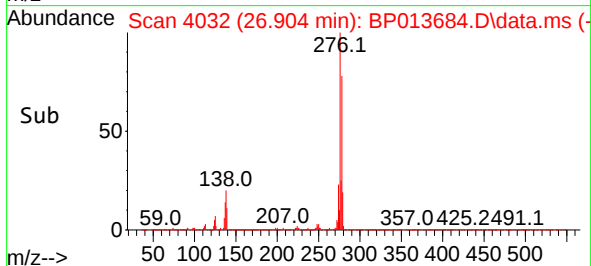
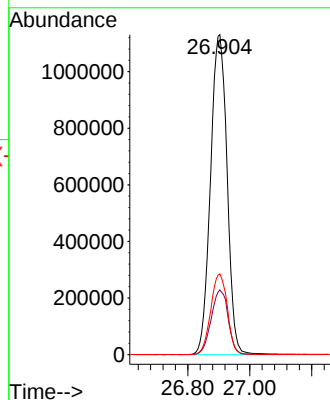
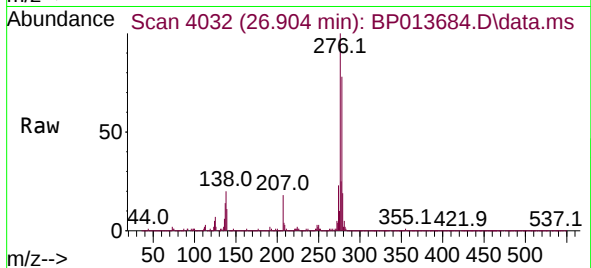
277 25.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2023

Supervised By :Jagrut Upadhyay 02/01/2023



#88

Benzo(b)fluoranthene

Concen: 51.404 ng

RT: 23.386 min Scan# 3434

Delta R.T. -0.006 min

Lab File: BP013684.D

Acq: 31 Jan 2023 21:04

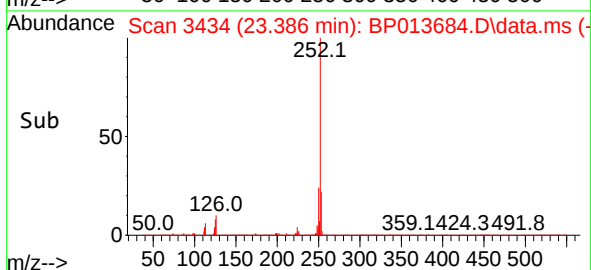
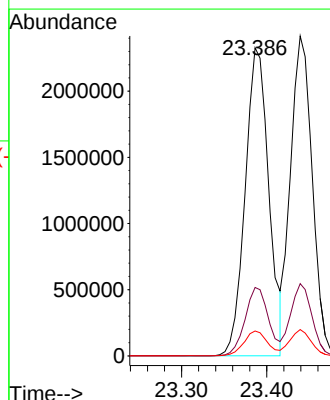
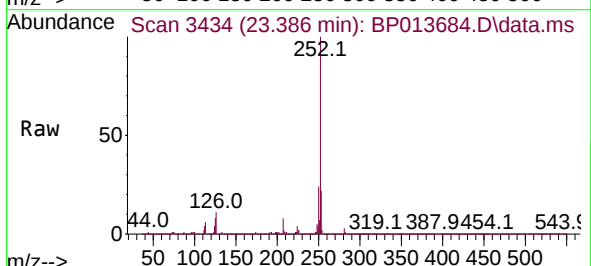
Tgt Ion:252 Resp: 4491017

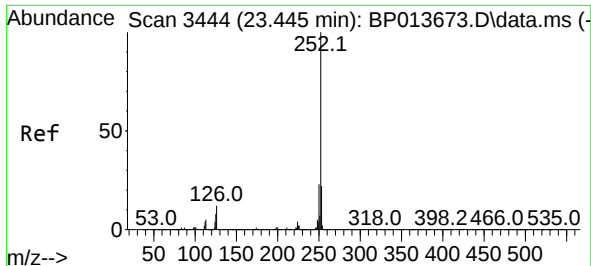
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 8.1 6.8 10.2





#89  
Benzo(k)fluoranthene  
Concen: 49.007 ng  
RT: 23.439 min Scan# 3444  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

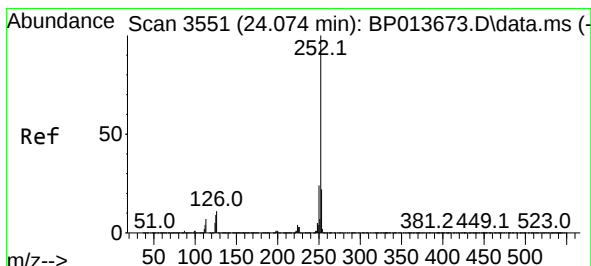
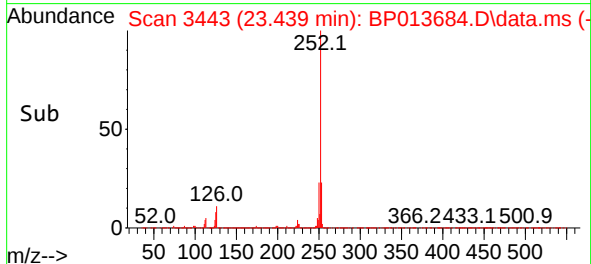
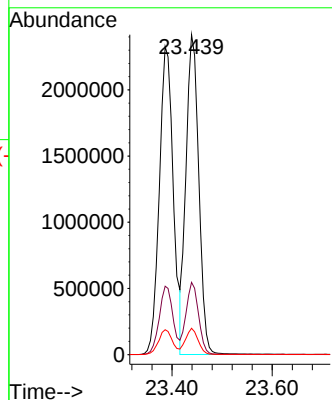
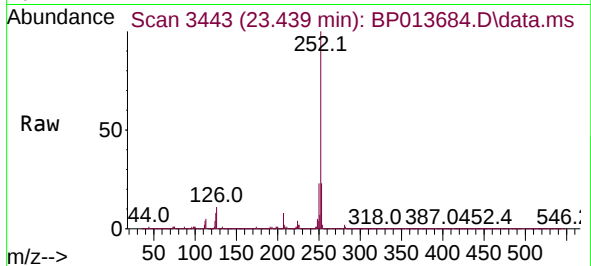
ClientSampleId :

PB150378BS

Tgt Ion:252 Resp: 4288510  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.7 26.5  
125 8.2 6.3 9.5

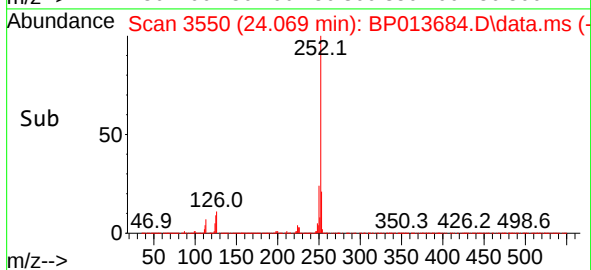
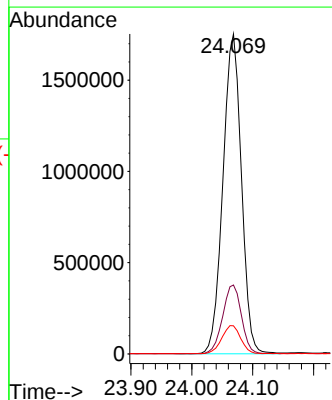
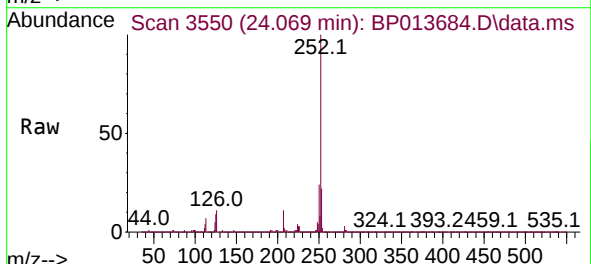
Manual Integrations  
APPROVED

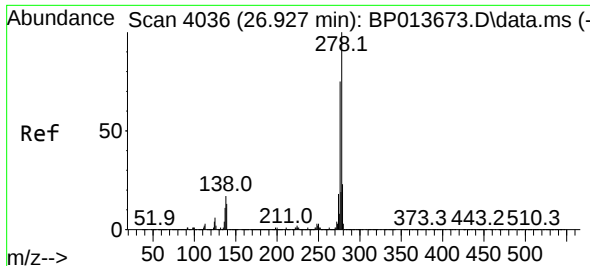
Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#90  
Benzo(a)pyrene  
Concen: 42.554 ng  
RT: 24.069 min Scan# 3550  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:252 Resp: 3690409  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.2  
125 8.8 7.0 10.4





#91  
Dibenzo(a,h)anthracene  
Concen: 38.820 ng  
RT: 26.921 min Scan# 4036  
Delta R.T. -0.006 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Instrument :

BNA\_P

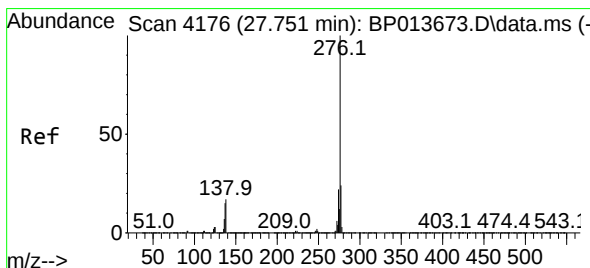
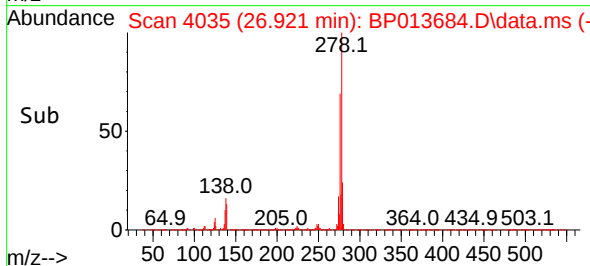
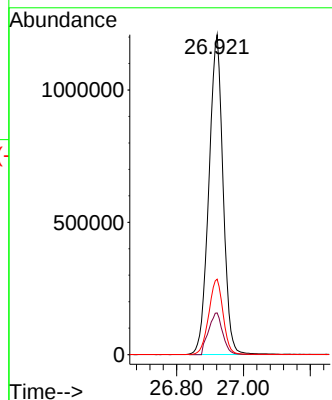
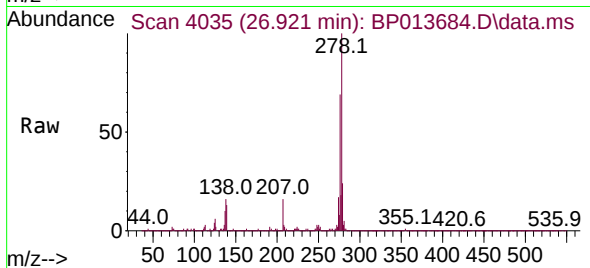
ClientSampleId :

PB150378BS

Tgt Ion:278 Resp: 3562245  
Ion Ratio Lower Upper  
278 100  
139 13.0 10.6 16.0  
279 23.6 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 02/01/2023  
Supervised By :Jagrut Upadhyay 02/01/2023



#92  
Benzo(g,h,i)perylene  
Concen: 37.455 ng  
RT: 27.739 min Scan# 4174  
Delta R.T. -0.012 min  
Lab File: BP013684.D  
Acq: 31 Jan 2023 21:04

Tgt Ion:276 Resp: 3413658  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.2 28.8  
138 17.2 14.0 21.0

