

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP082124\  
 Data File : BP021600.D  
 Acq On : 21 Aug 2024 16:42  
 Operator : RC/JU  
 Sample : PB162878BSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162878BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

Quant Time: Aug 21 17:34:22 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP081324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 14 00:00:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.799  | 152  | 381039   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.593 | 136  | 1510814  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.445 | 164  | 976830   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 17.257 | 188  | 2177042  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.722 | 240  | 2366812  | 20.000  | ng    | 0.02     |
| 86) Perylene-d12              | 25.174 | 264  | 2632836  | 20.000  | ng    | 0.07     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 3343692  | 130.300 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.969  | 99   | 4517197  | 120.670 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.952  | 82   | 2649454  | 90.515  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.963 | 330  | 1644681  | 151.281 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.057 | 172  | 5029316  | 78.576  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.986 | 244  | 9628130  | 79.030  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.317  | 88   | 354946   | 29.171  | ng    | 99       |
| 3) Pyridine                   | 3.711  | 79   | 963653   | 28.370  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.617  | 42   | 425644   | 41.690  | ng    | 91       |
| 6) Aniline                    | 7.122  | 93   | 959127   | 25.629  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.369  | 128  | 1158683  | 48.860  | ng    | 95       |
| 9) Benzaldehyde               | 6.940  | 77   | 433140m  | 18.071  | ng    |          |
| 10) Phenol                    | 6.993  | 94   | 1731947  | 44.679  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.222  | 93   | 1271334  | 38.759  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.693  | 146  | 1172512  | 41.625  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.834  | 146  | 1187403  | 41.745  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.152  | 146  | 1142411  | 41.678  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.034  | 79   | 1157925  | 43.111  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316  | 45   | 1189640  | 39.384  | ng    | 96       |
| 17) 2-Methylphenol            | 8.234  | 107  | 1103894  | 45.045  | ng    | 97       |
| 18) Hexachloroethane          | 8.881  | 117  | 479731   | 42.059  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.605  | 70   | 886359   | 34.277  | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.558  | 107  | 1522042  | 46.061  | ng    | 97       |
| 22) Acetophenone              | 8.616  | 105  | 1761148  | 37.944  | ng    | # 99     |
| 24) Nitrobenzene              | 8.993  | 77   | 1374908  | 43.248  | ng    | 93       |
| 25) Isophorone                | 9.516  | 82   | 2598291  | 37.574  | ng    | 97       |
| 26) 2-Nitrophenol             | 9.699  | 139  | 558381   | 61.052  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.763  | 122  | 863897   | 50.622  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 9.999  | 93   | 1658287  | 39.286  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.234 | 162  | 1045113  | 51.832  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.452 | 180  | 1076721  | 41.651  | ng    | 98       |
| 31) Naphthalene               | 10.640 | 128  | 3349770  | 42.442  | ng    | 100      |
| 32) Benzoic acid              | 9.899  | 122  | 841574   | 65.445  | ng    | 92       |
| 33) 4-Chloroaniline           | 10.740 | 127  | 740731   | 24.985  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.934 | 225  | 643088   | 39.510  | ng    | 97       |
| 35) Caprolactam               | 11.528 | 113  | 392906   | 46.815  | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 11.869 | 107  | 1360470  | 48.640  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.251 | 142  | 2263313  | 42.017  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.475 | 142  | 2117526  | 39.858  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.628 | 216  | 1128263  | 39.420  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.610 | 237  | 984243   | 108.502 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.863 | 196  | 856052   | 53.844  | ng    | 99       |

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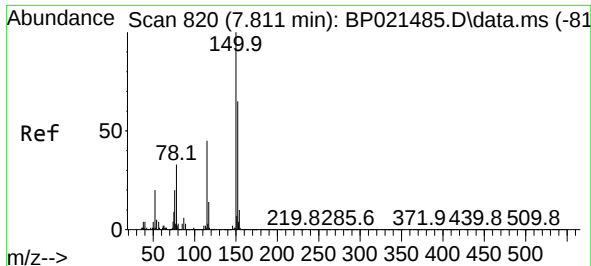
### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.940 | 196  | 942710   | 53.369  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.269 | 154  | 2745172  | 39.721  | ng    | 97       |
| 47) 2-Chloronaphthalene       | 13.310 | 162  | 2290229  | 42.565  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.504 | 65   | 807596   | 52.958  | ng    | 88       |
| 49) Acenaphthylene            | 14.163 | 152  | 3773954  | 47.713  | ng    | 100      |
| 50) Dimethylphthalate         | 13.898 | 163  | 2992401  | 45.743  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.010 | 165  | 661704   | 49.960  | ng    | 94       |
| 52) Acenaphthene              | 14.510 | 154  | 2596921m | 50.038  | ng    |          |
| 53) 3-Nitroaniline            | 14.340 | 138  | 575246   | 44.640  | ng    | # 94     |
| 54) 2,4-Dinitrophenol         | 14.551 | 184  | 723067   | 122.490 | ng    | # 87     |
| 55) Dibenzofuran              | 14.851 | 168  | 3602016  | 45.117  | ng    | 99       |
| 56) 4-Nitrophenol             | 14.663 | 139  | 1301825  | 117.451 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 14.810 | 165  | 945035   | 55.431  | ng    | 84       |
| 58) Fluorene                  | 15.510 | 166  | 2795686  | 42.625  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.081 | 232  | 844678   | 56.338  | ng    | 98       |
| 60) Diethylphthalate          | 15.287 | 149  | 3053254  | 45.489  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.510 | 204  | 1407096  | 41.504  | ng    | 100      |
| 62) 4-Nitroaniline            | 15.522 | 138  | 724595   | 53.945  | ng    | 94       |
| 63) Azobenzene                | 15.810 | 77   | 3304768  | 40.054  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.587 | 198  | 518535   | 68.260  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.728 | 169  | 2585682  | 44.320  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.422 | 248  | 965373   | 41.898  | ng    | 98       |
| 68) Hexachlorobenzene         | 16.545 | 284  | 1135270  | 41.694  | ng    | 98       |
| 69) Atrazine                  | 16.704 | 200  | 809575   | 40.417  | ng    | 100      |
| 70) Pentachlorophenol         | 16.898 | 266  | 1551817  | 104.418 | ng    | 99       |
| 71) Phenanthrene              | 17.304 | 178  | 4776023  | 45.617  | ng    | 100      |
| 72) Anthracene                | 17.392 | 178  | 4763470  | 46.391  | ng    | 100      |
| 73) Carbazole                 | 17.669 | 167  | 4741405  | 47.915  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.275 | 149  | 5660253  | 46.575  | ng    | 99       |
| 75) Fluoranthene              | 19.386 | 202  | 6097144  | 47.462  | ng    | 100      |
| 77) Benzidine                 | 19.575 | 184  | 1191173  | 22.246  | ng    | 100      |
| 78) Pyrene                    | 19.763 | 202  | 6436660  | 41.608  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.716 | 149  | 2964433  | 50.303  | ng    | 92       |
| 81) Benzo(a)anthracene        | 21.698 | 228  | 6740570  | 45.367  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.622 | 252  | 2063647  | 43.319  | ng    | 99       |
| 83) Chrysene                  | 21.775 | 228  | 6547759  | 46.676  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.651 | 149  | 4491255  | 51.144  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.974 | 149  | 8168035  | 52.451  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.080 | 276  | 8627738m | 50.554  | ng    |          |
| 88) Benzo(b)fluoranthene      | 24.074 | 252  | 7241236  | 47.889  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.157 | 252  | 7288340  | 49.410  | ng    | 100      |
| 90) Benzo(a)pyrene            | 25.010 | 252  | 6776841  | 51.645  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.186 | 278  | 7099699  | 50.068  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 30.292 | 276  | 6819614  | 47.983  | ng    | 99       |

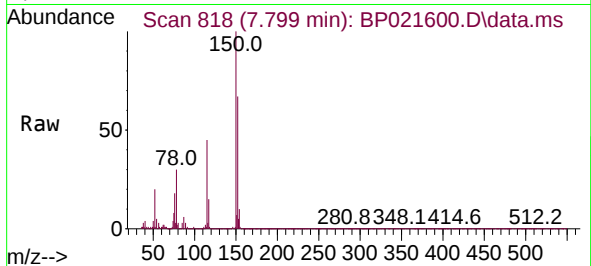
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.799 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

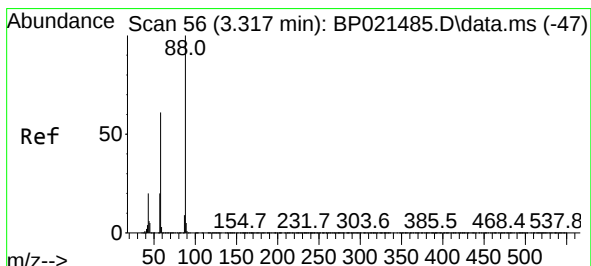
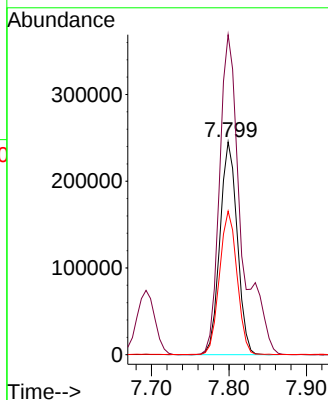
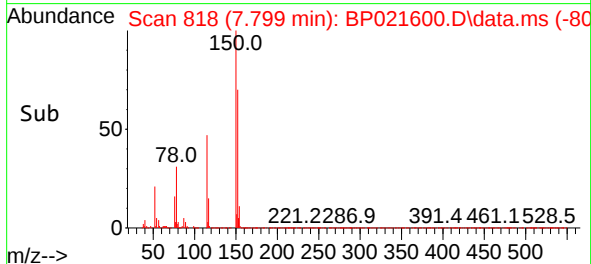
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:152 Resp: 381039  
Ion Ratio Lower Upper  
152 100  
150 150.4 122.4 183.6  
115 67.4 54.7 82.1

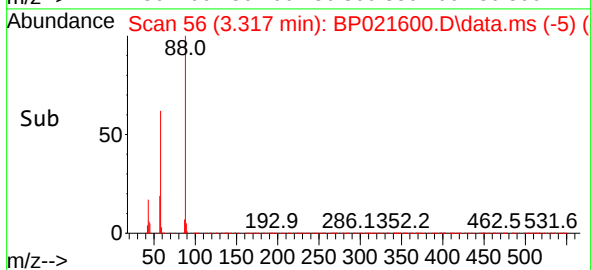
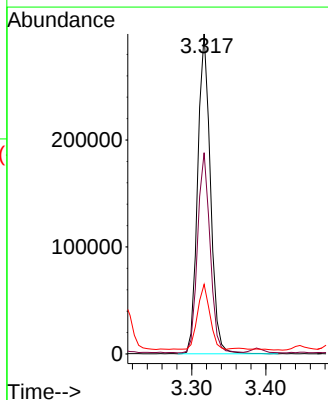
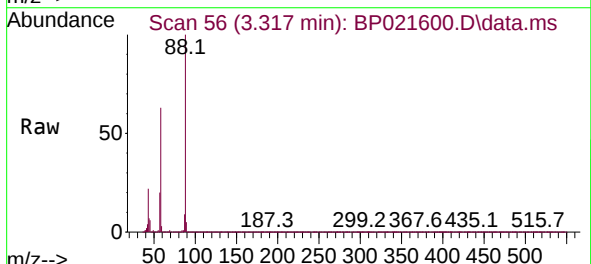
Manual Integrations  
APPROVED

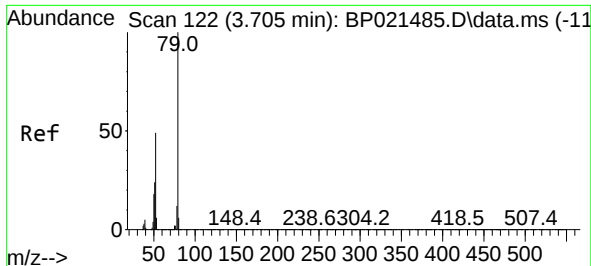
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#2  
1,4-Dioxane  
Concen: 29.171 ng  
RT: 3.317 min Scan# 56  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion: 88 Resp: 354946  
Ion Ratio Lower Upper  
88 100  
58 61.7 48.7 73.1  
43 19.5 15.4 23.2





#3

Pyridine

Concen: 28.370 ng

RT: 3.711 min Scan# 1

Delta R.T. 0.006 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion: 79 Resp: 96365

Ion Ratio Lower Upper

79 100

52 53.4 39.0 58.6

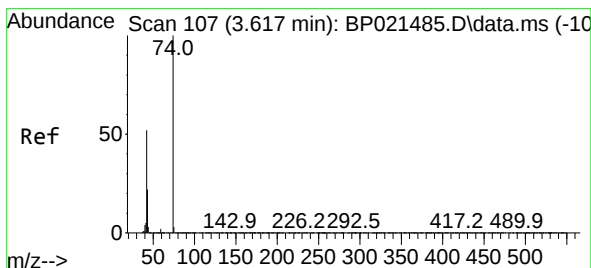
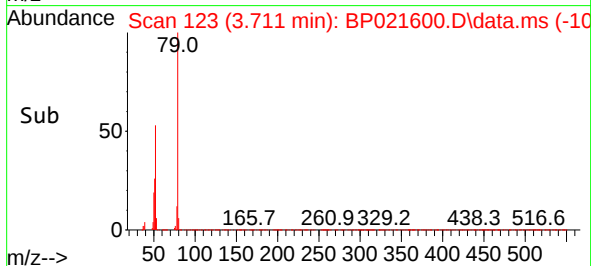
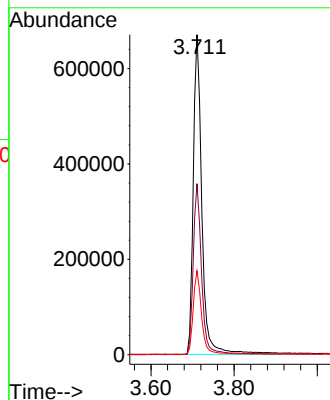
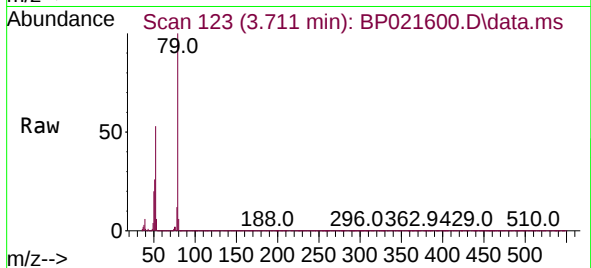
51 26.2 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#4

n-Nitrosodimethylamine

Concen: 41.690 ng

RT: 3.617 min Scan# 107

Delta R.T. -0.000 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

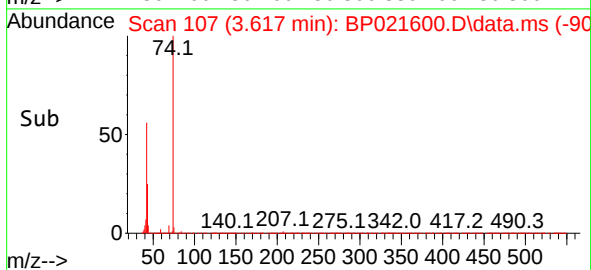
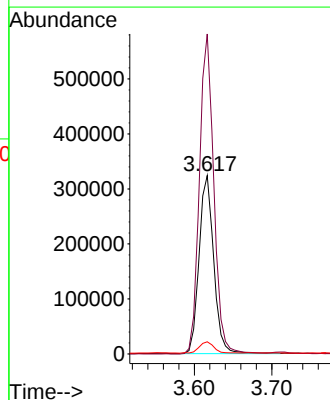
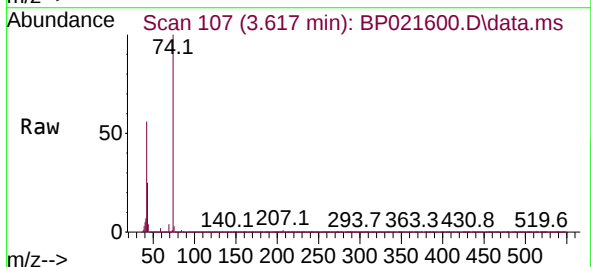
Tgt Ion: 42 Resp: 425644

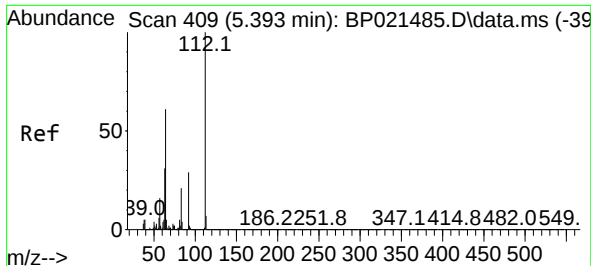
Ion Ratio Lower Upper

42 100

74 179.4 154.3 231.5

44 6.9 6.2 9.4





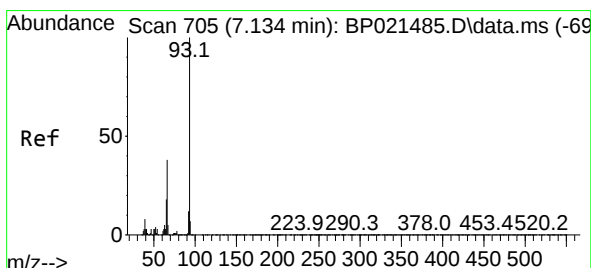
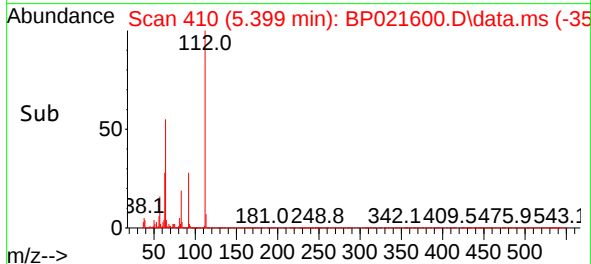
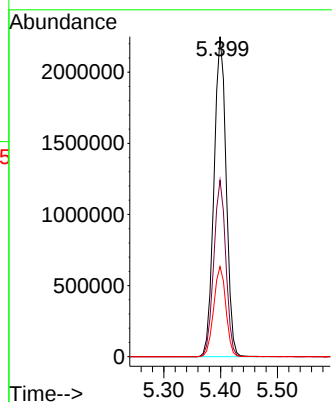
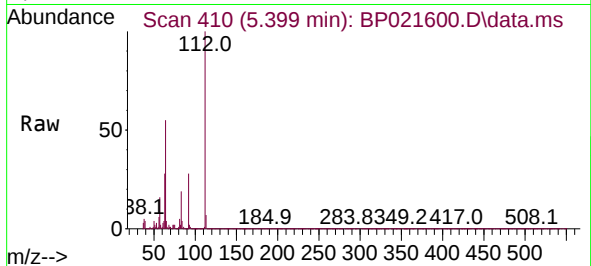
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2-Fluorophenol  
Concen: 130.300 ng  
RT: 5.399 min Scan# 410  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:112 Resp: 3343692  
Ion Ratio Lower Upper  
112 100  
64 55.1 49.0 73.6  
63 28.2 24.6 36.8

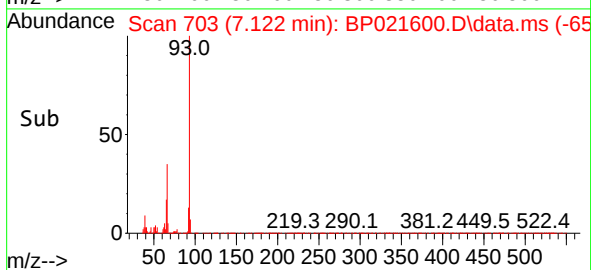
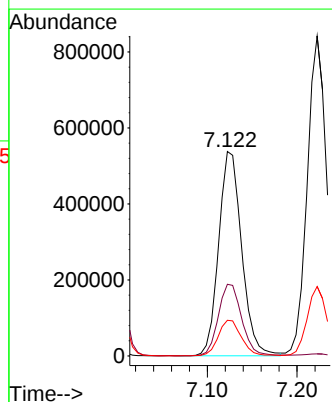
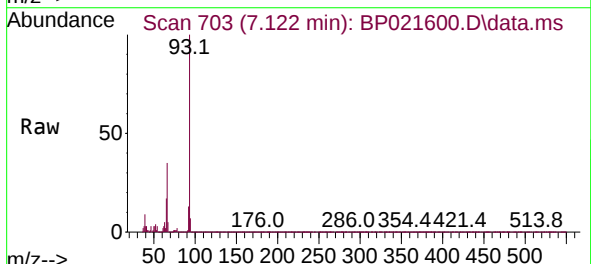
Manual Integrations  
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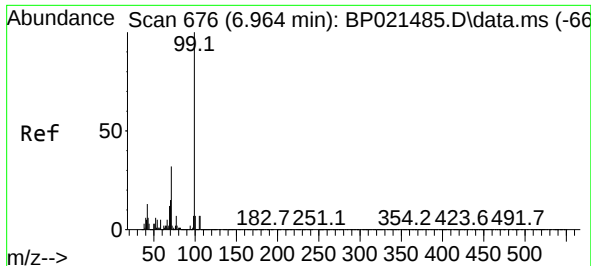
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#6  
Aniline  
Concen: 25.629 ng  
RT: 7.122 min Scan# 703  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

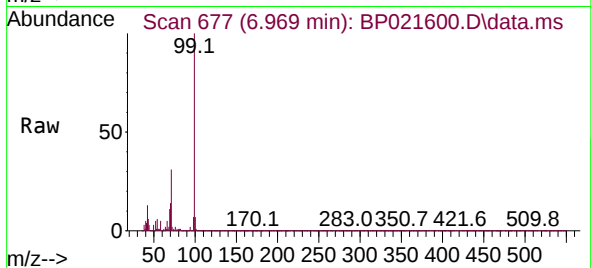
Tgt Ion: 93 Resp: 959127  
Ion Ratio Lower Upper  
93 100  
66 35.1 30.2 45.2  
65 17.4 14.7 22.1





#7  
Phenol-d6  
Concen: 120.670 ng  
RT: 6.969 min Scan# 617  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

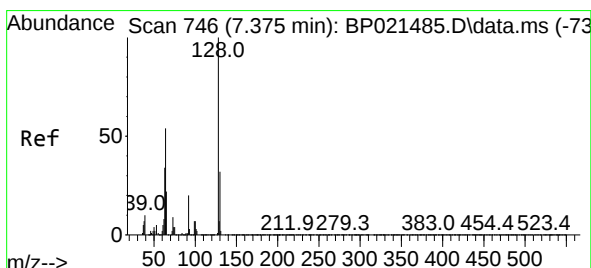
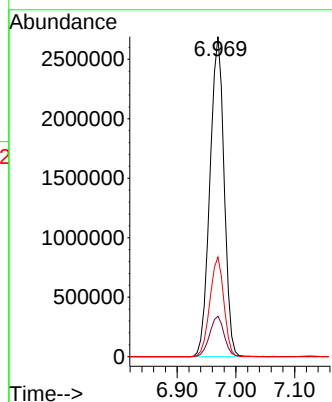
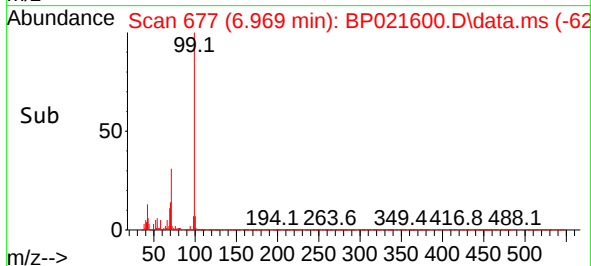
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion: 99 Resp: 451719  
Ion Ratio Lower Upper  
99 100  
42 12.7 10.2 15.4  
71 31.1 25.8 38.8

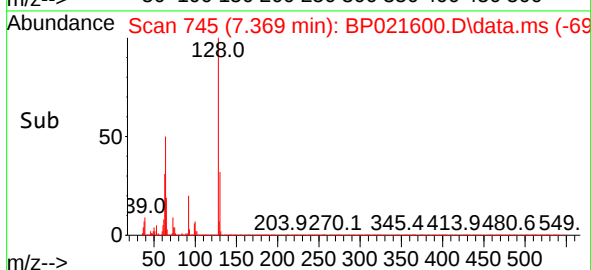
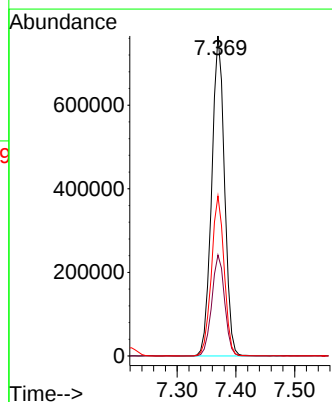
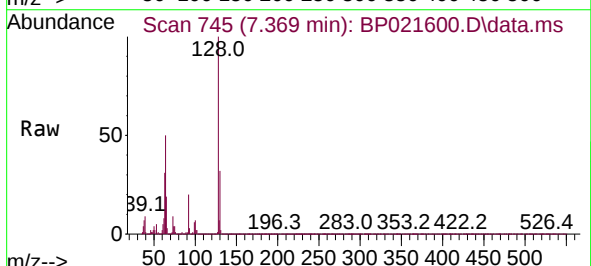
Manual Integrations  
APPROVED

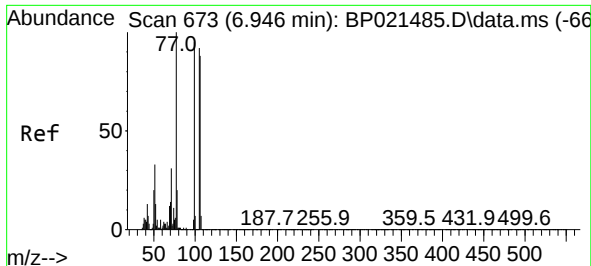
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#8  
2-Chlorophenol  
Concen: 48.860 ng  
RT: 7.369 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:128 Resp: 1158683  
Ion Ratio Lower Upper  
128 100  
130 31.6 11.6 51.6  
64 50.0 35.3 75.3





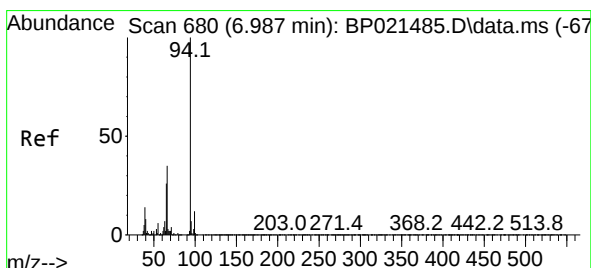
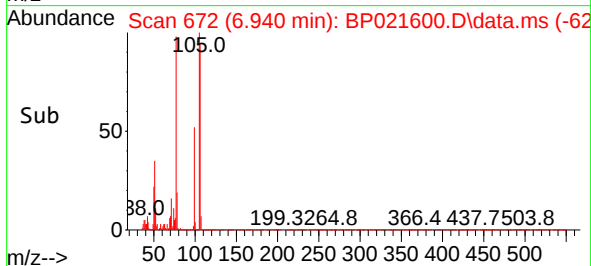
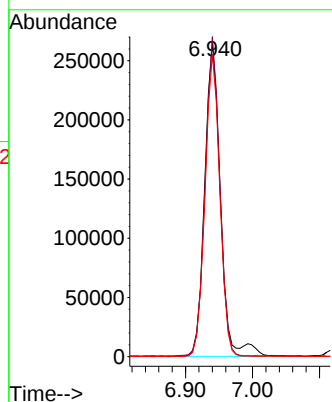
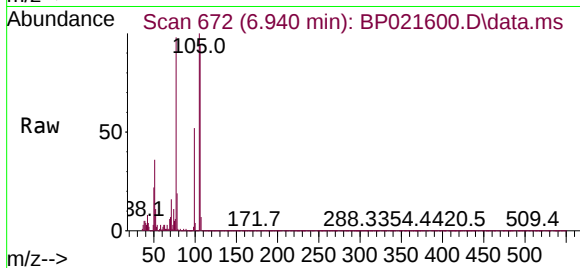
#9  
Benzaldehyde  
Concen: 18.071 ng m  
RT: 6.940 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion: 77 Resp: 433140  
Ion Ratio Lower Upper  
77 100  
105 102.0 72.1 112.1  
106 96.1 67.9 107.9

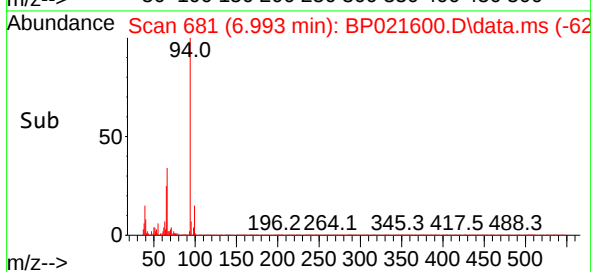
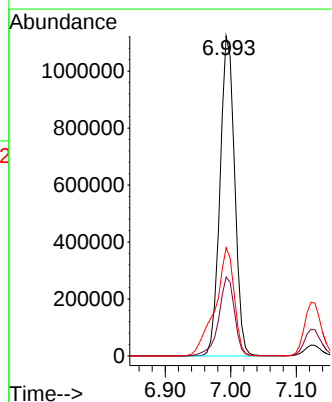
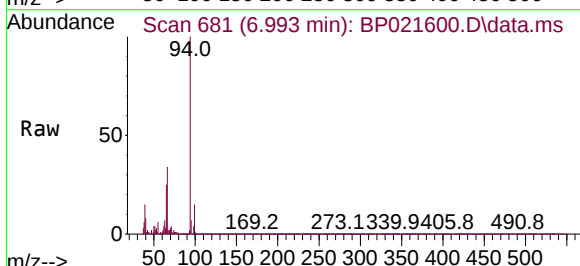
Manual Integrations  
APPROVED

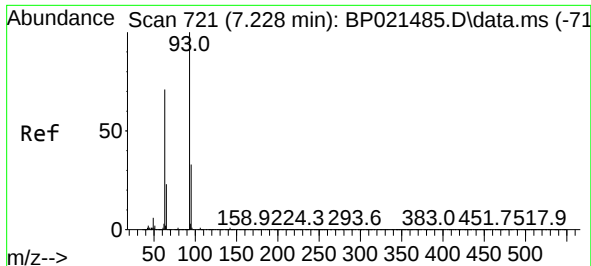
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#10  
Phenol  
Concen: 44.679 ng  
RT: 6.993 min Scan# 681  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

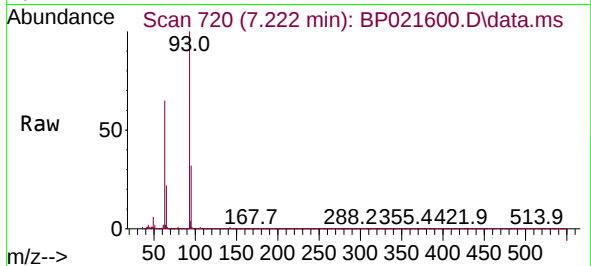
Tgt Ion: 94 Resp: 1731947  
Ion Ratio Lower Upper  
94 100  
65 24.7 6.5 46.5  
66 33.8 14.7 54.7





#11  
bis(2-Chloroethyl)ether  
Concen: 38.759 ng  
RT: 7.222 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

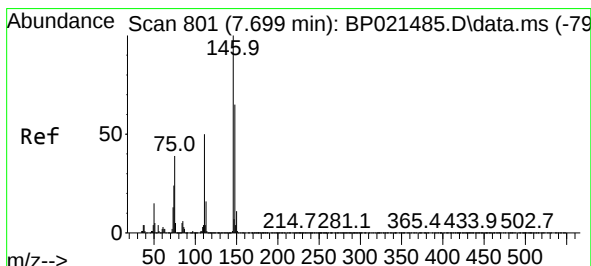
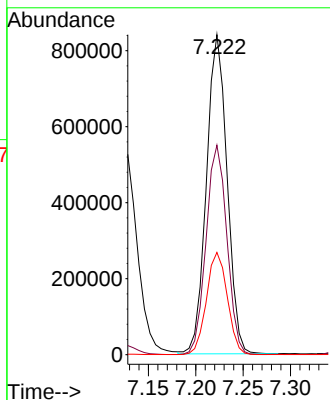
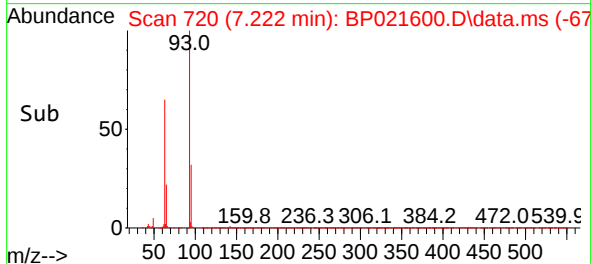
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



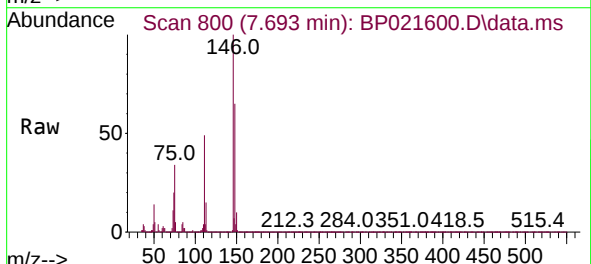
Tgt Ion: 93 Resp: 1271334  
Ion Ratio Lower Upper  
93 100  
63 65.5 51.0 91.0  
95 31.9 12.9 52.9

Manual Integrations  
APPROVED

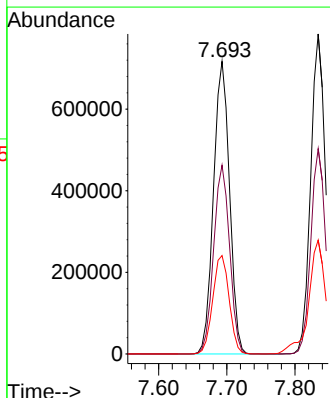
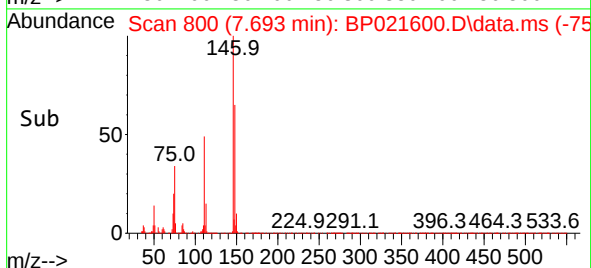
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

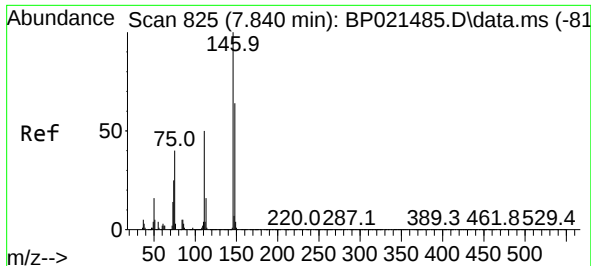


#12  
1,3-Dichlorobenzene  
Concen: 41.625 ng  
RT: 7.693 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



Tgt Ion:146 Resp: 1172512  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.8 77.6  
75 33.6 31.3 46.9





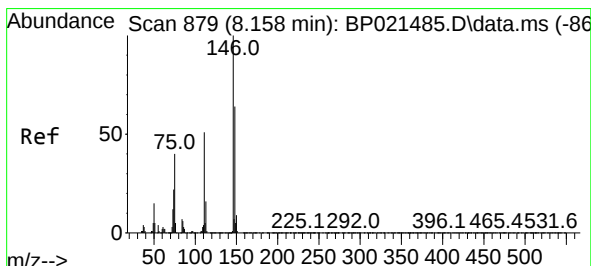
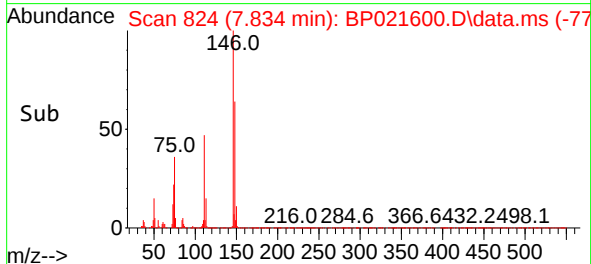
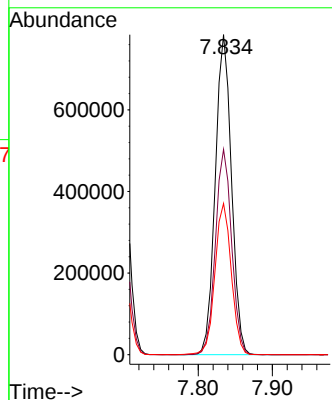
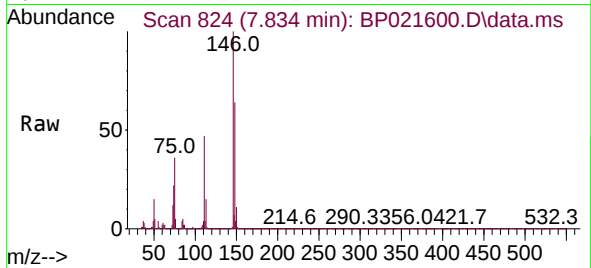
#13  
1,4-Dichlorobenzene  
Concen: 41.745 ng  
RT: 7.834 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:146 Resp: 118740  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.5 77.3  
111 47.3 40.3 60.5

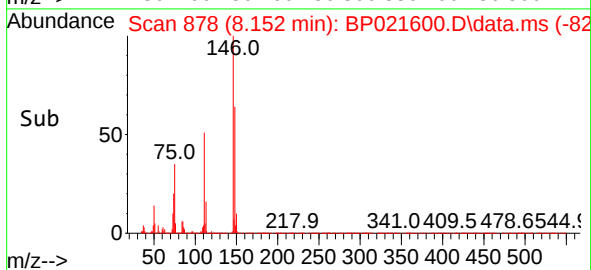
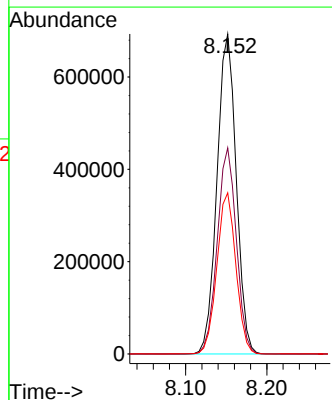
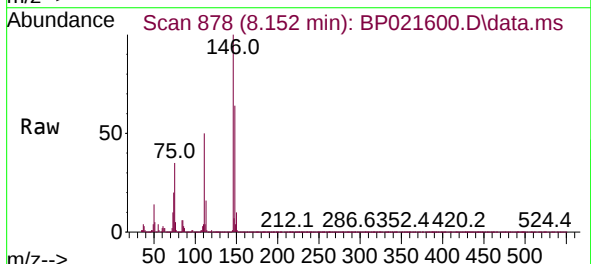
Manual Integrations  
APPROVED

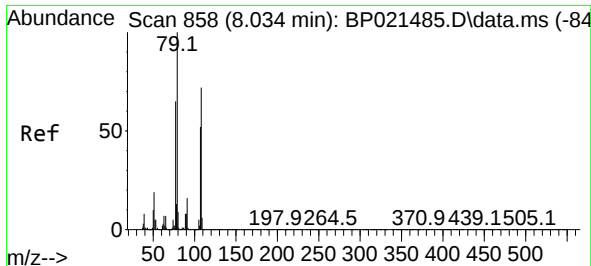
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#14  
1,2-Dichlorobenzene  
Concen: 41.678 ng  
RT: 8.152 min Scan# 878  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:146 Resp: 1142411  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.5 77.3  
111 50.3 41.1 61.7





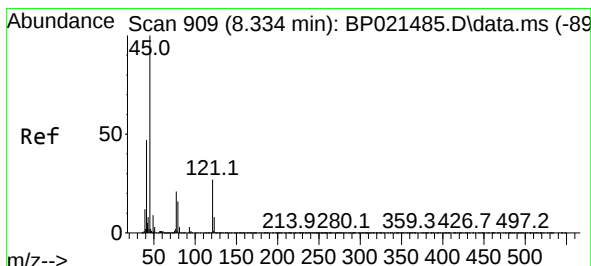
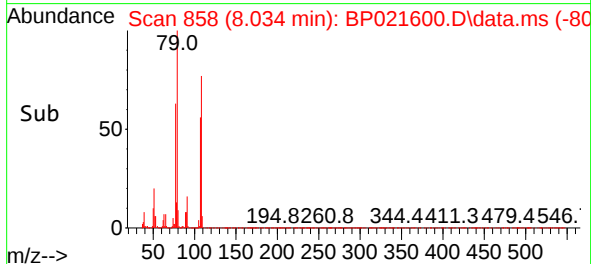
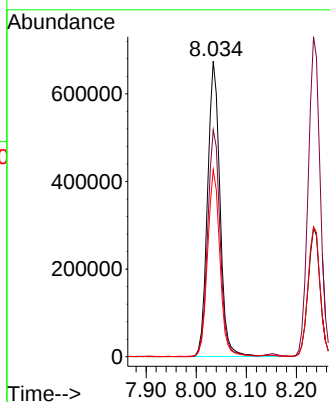
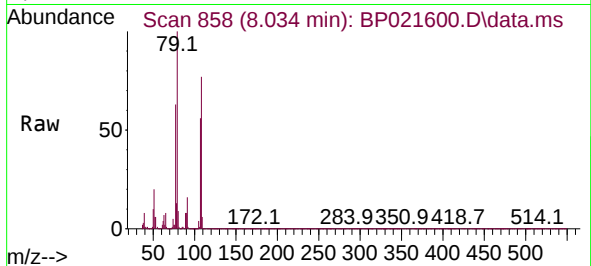
#15  
Benzyl Alcohol  
Concen: 43.111 ng  
RT: 8.034 min Scan# 858  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion: 79 Resp: 1157925  
Ion Ratio Lower Upper  
79 100  
108 76.8 57.9 86.9  
77 63.3 51.8 77.8

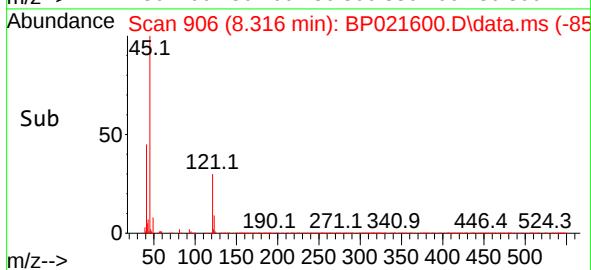
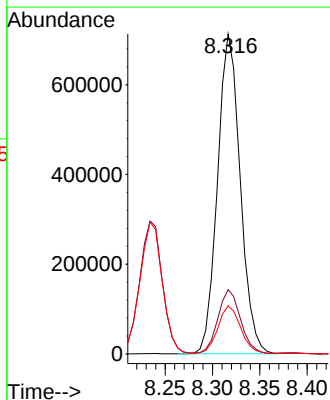
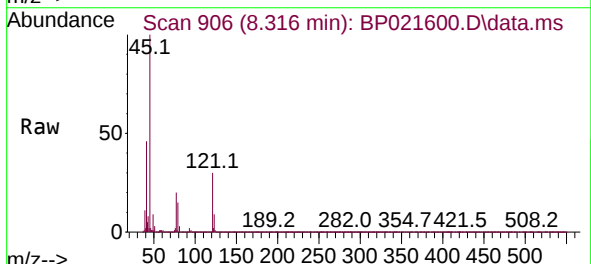
Manual Integrations  
APPROVED

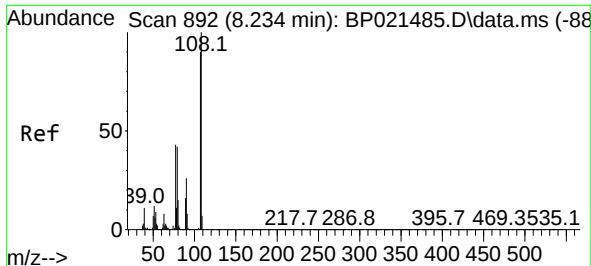
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.384 ng  
RT: 8.316 min Scan# 906  
Delta R.T. -0.018 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

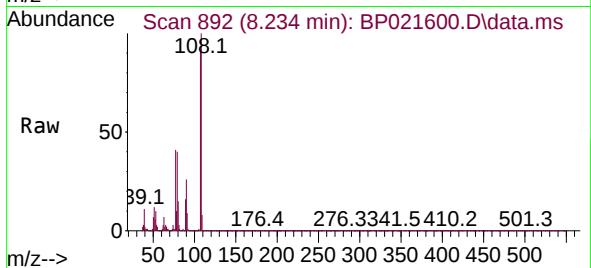
Tgt Ion: 45 Resp: 1189640  
Ion Ratio Lower Upper  
45 100  
77 20.1 1.9 41.9  
79 15.0 0.0 36.6





#17  
2-Methylphenol  
Concen: 45.045 ng  
RT: 8.234 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

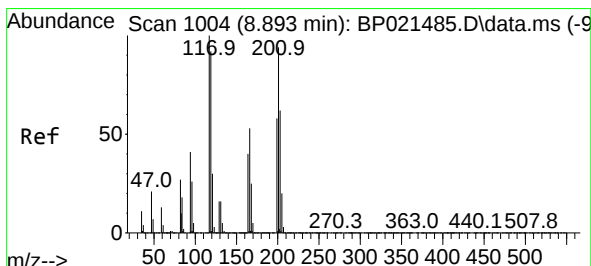
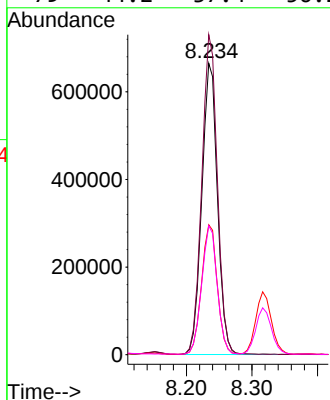
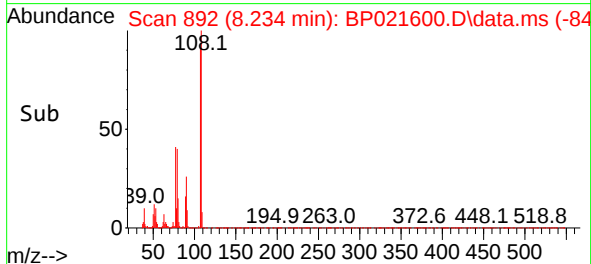


Tgt Ion:107 Resp: 1103894

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 109.8 | 88.8  | 133.2 |
| 77  | 44.6  | 38.7  | 58.1  |
| 79  | 44.2  | 37.4  | 56.2  |

Manual Integrations  
APPROVED

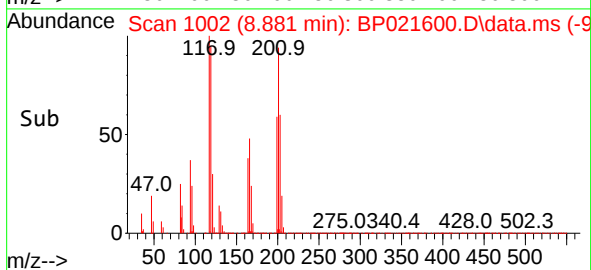
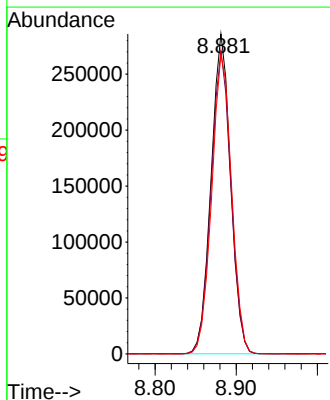
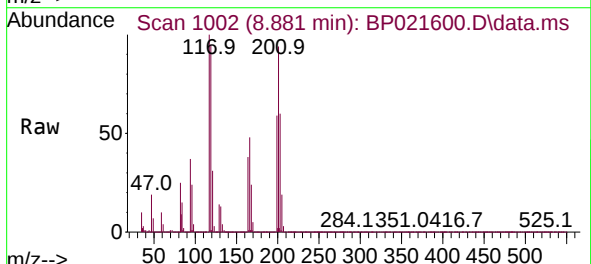
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

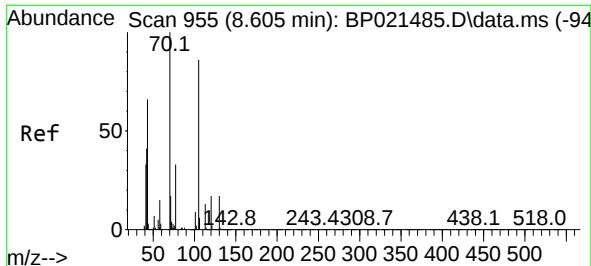


#18  
Hexachloroethane  
Concen: 42.059 ng  
RT: 8.881 min Scan# 1002  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:117 Resp: 479731

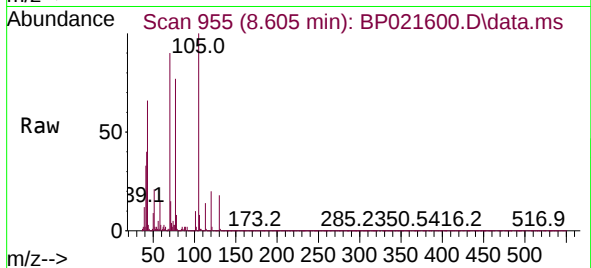
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.8  | 73.9  | 110.9 |
| 201 | 93.7  | 74.9  | 112.3 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 34.277 ng  
RT: 8.605 min Scan# 955  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

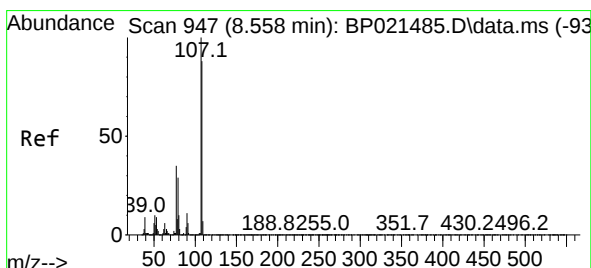
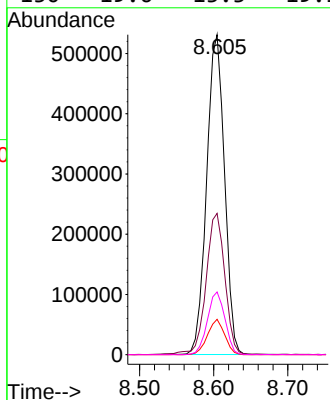
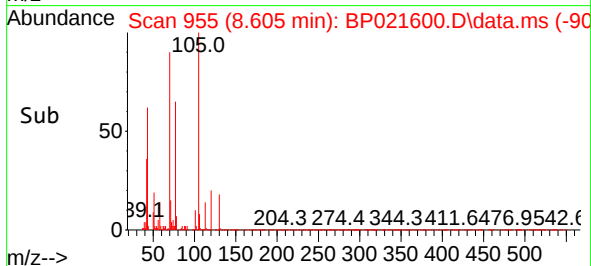
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



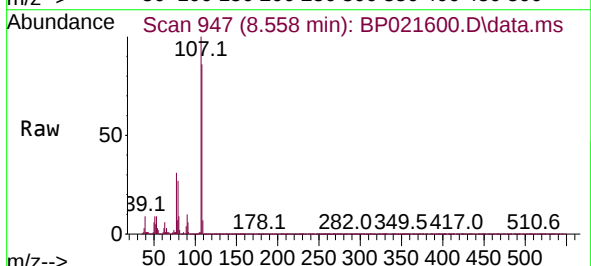
Tgt Ion: 70 Resp: 886359  
Ion Ratio Lower Upper  
70 100  
42 44.1 33.1 49.7  
101 11.1 7.4 11.2  
130 19.6 13.3 19.9

Manual Integrations  
APPROVED

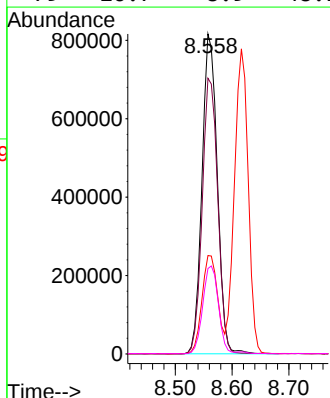
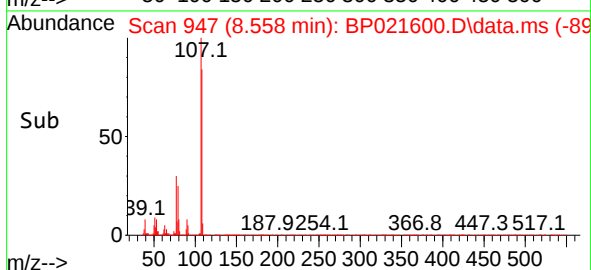
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

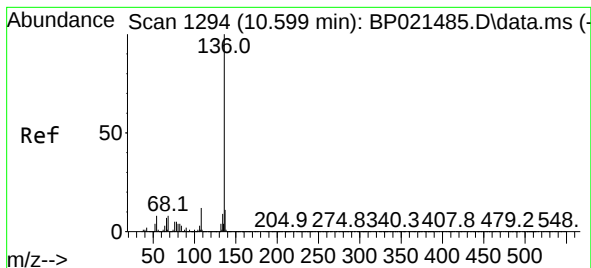


#20  
3+4-Methylphenols  
Concen: 46.061 ng  
RT: 8.558 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



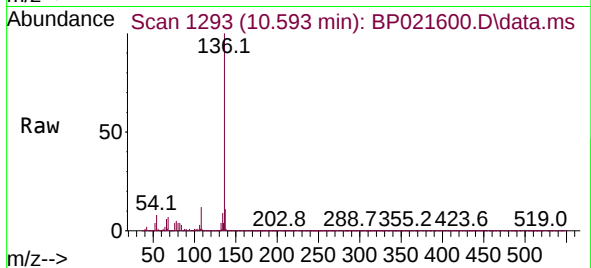
Tgt Ion:107 Resp: 1522042  
Ion Ratio Lower Upper  
107 100  
108 86.1 67.6 107.6  
77 30.8 15.0 55.0  
79 26.7 8.9 48.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.593 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

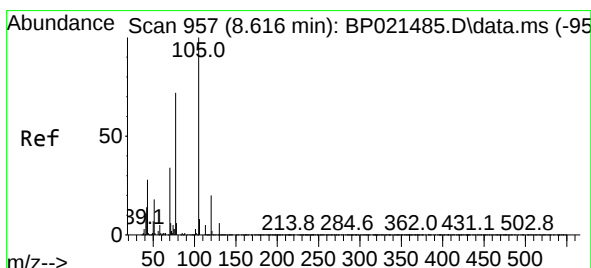
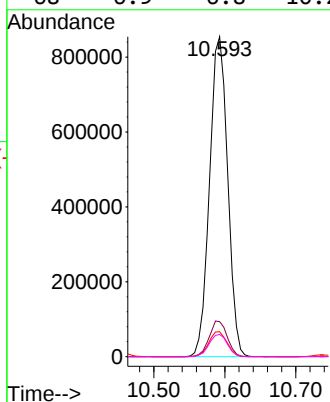
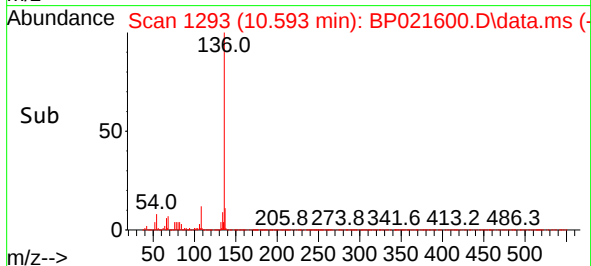
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:136 Resp: 1510814  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.8 6.3 9.5  
68 6.9 6.8 10.2

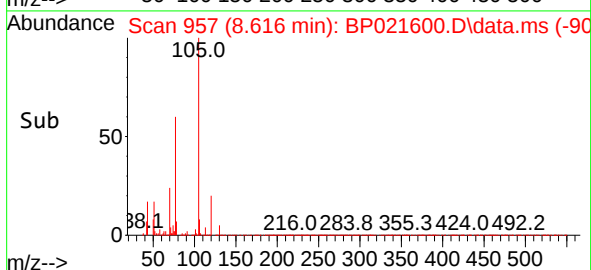
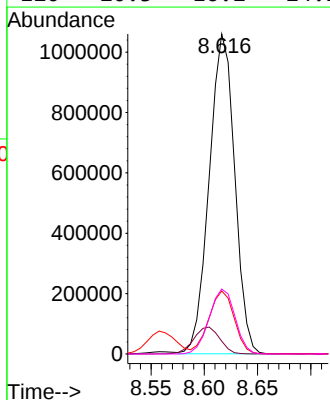
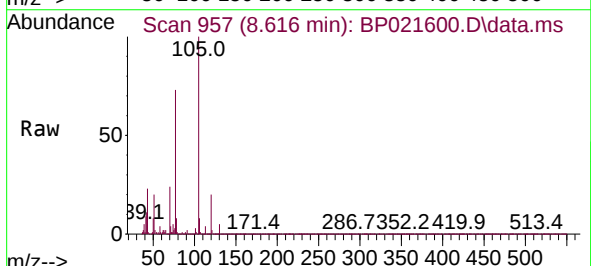
Manual Integrations  
APPROVED

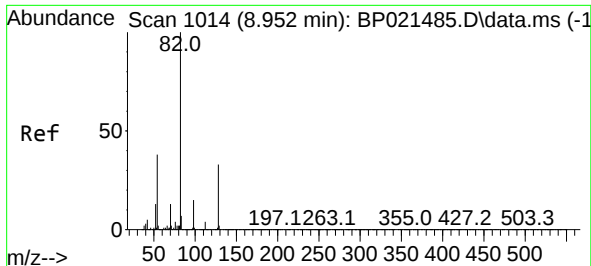
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#22  
Acetophenone  
Concen: 37.944 ng  
RT: 8.616 min Scan# 957  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

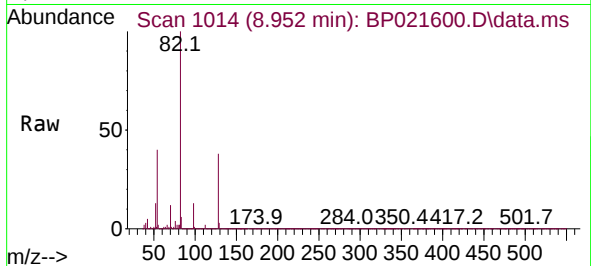
Tgt Ion:105 Resp: 1761148  
Ion Ratio Lower Upper  
105 100  
71 4.0 4.6 7.0#  
51 19.7 16.3 24.5  
120 20.3 16.2 24.2





#23  
Nitrobenzene-d5  
Concen: 90.515 ng  
RT: 8.952 min Scan# 1014  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

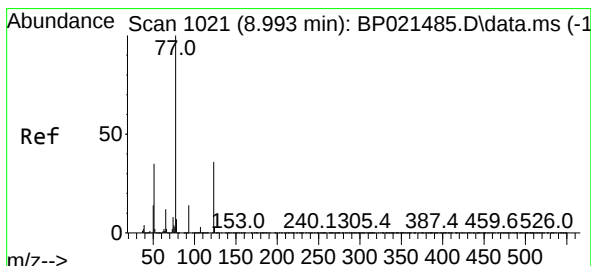
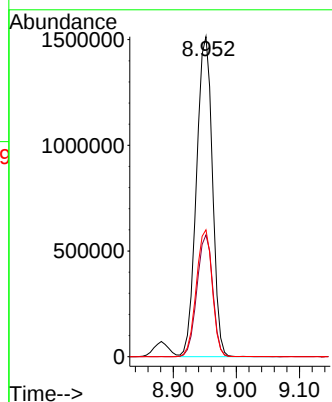
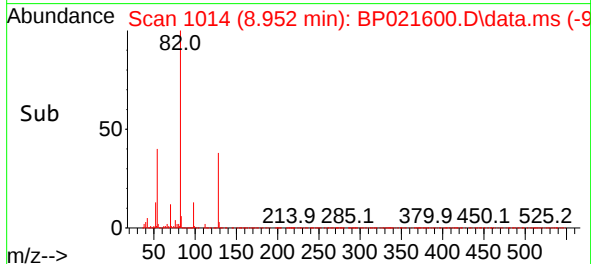
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion: 82 Resp: 264945  
Ion Ratio Lower Upper  
82 100  
128 38.0 26.5 39.7  
54 39.7 30.3 45.5

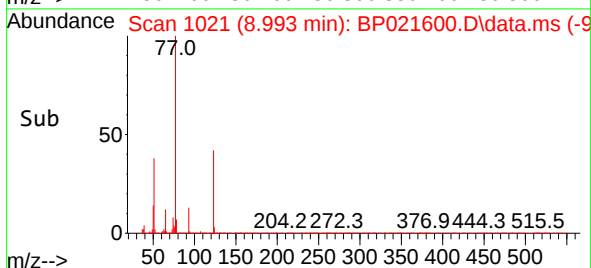
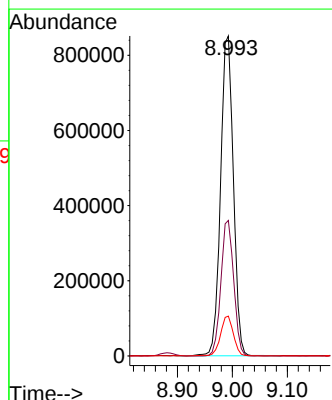
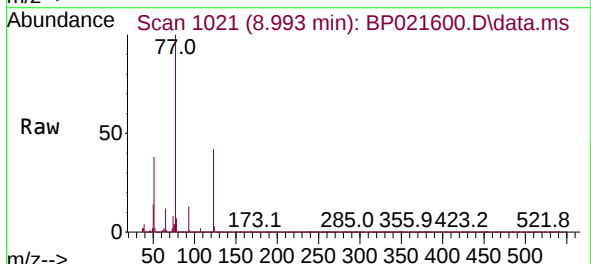
Manual Integrations  
APPROVED

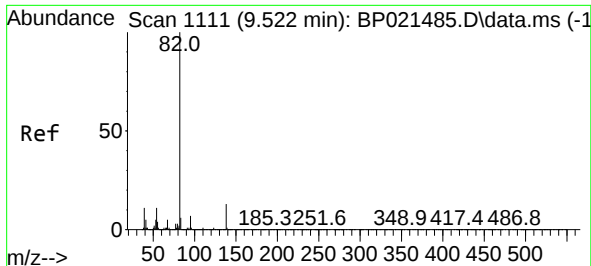
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#24  
Nitrobenzene  
Concen: 43.248 ng  
RT: 8.993 min Scan# 1021  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

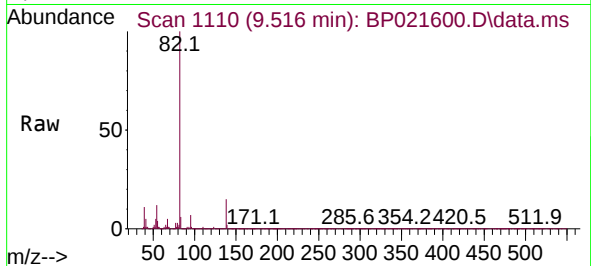
Tgt Ion: 77 Resp: 1374908  
Ion Ratio Lower Upper  
77 100  
123 42.3 29.5 44.3  
65 12.4 9.9 14.9





#25  
Isophorone  
Concen: 37.574 ng  
RT: 9.516 min Scan# 1111  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

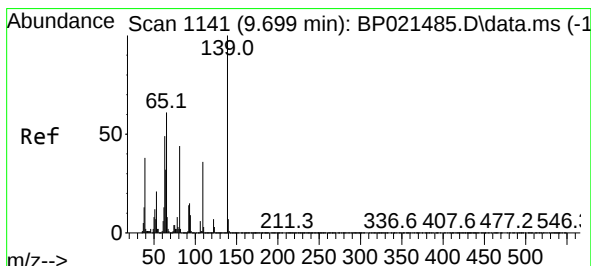
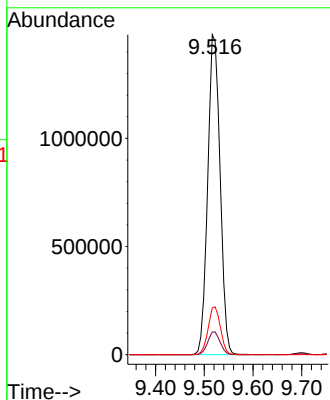
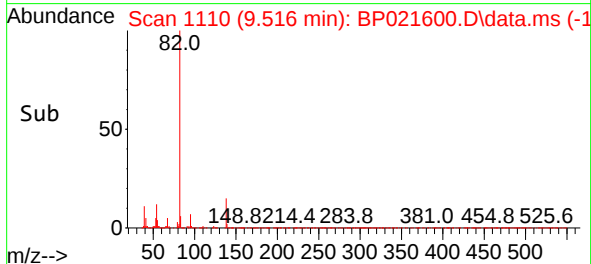
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



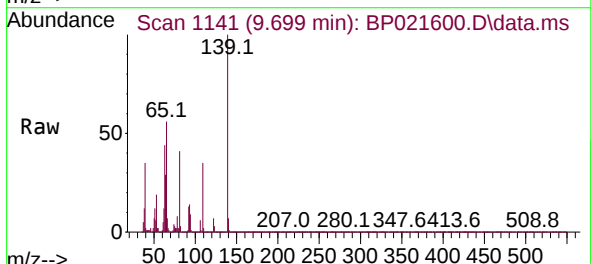
Tgt Ion: 82 Resp: 259829  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.4 8.2  
138 14.7 10.6 16.0

Manual Integrations  
APPROVED

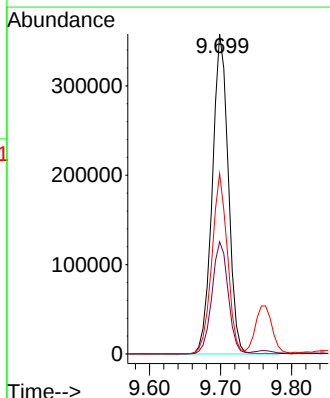
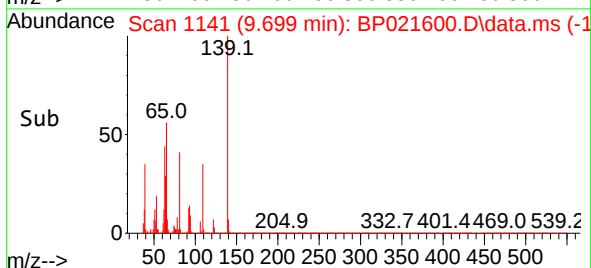
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

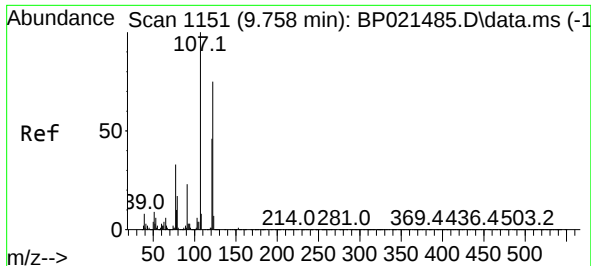


#26  
2-Nitrophenol  
Concen: 61.052 ng  
RT: 9.699 min Scan# 1141  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



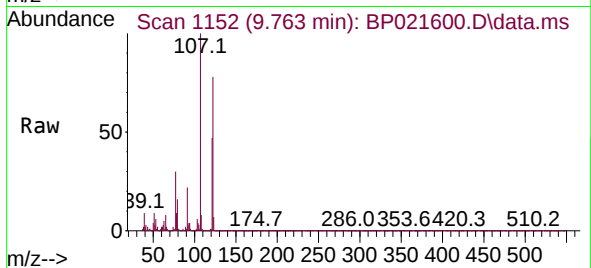
Tgt Ion:139 Resp: 558381  
Ion Ratio Lower Upper  
139 100  
109 35.0 28.9 43.3  
65 56.4 49.0 73.6





#27  
2,4-Dimethylphenol  
Concen: 50.622 ng  
RT: 9.763 min Scan# 1151  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

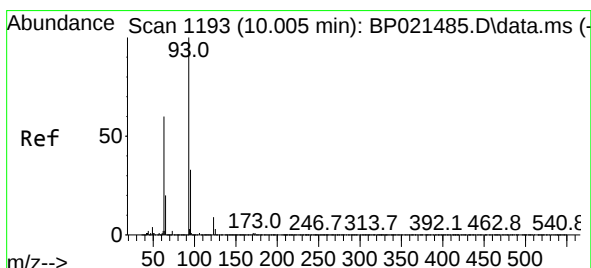
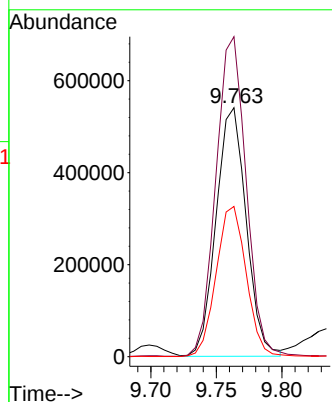
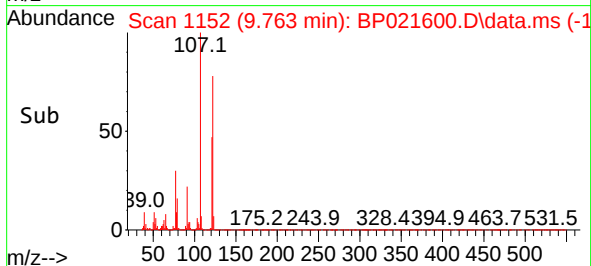
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



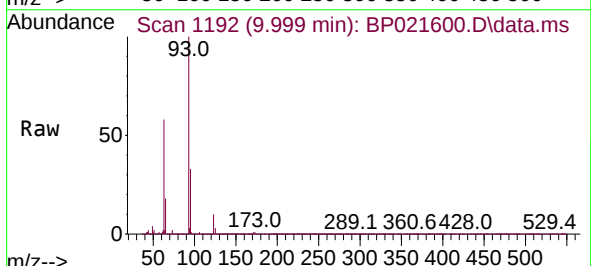
Tgt Ion:122 Resp: 86389  
Ion Ratio Lower Upper  
122 100  
107 128.5 106.2 159.4  
121 60.3 48.8 73.2

Manual Integrations  
APPROVED

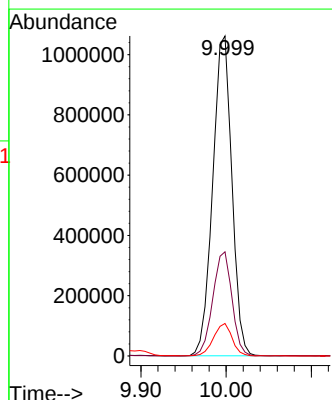
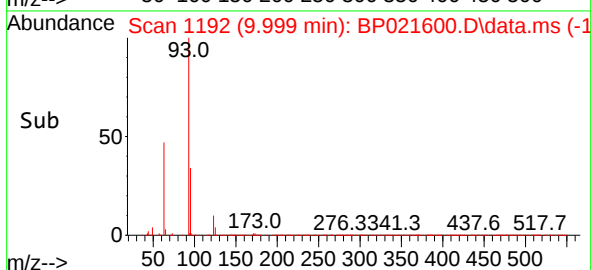
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

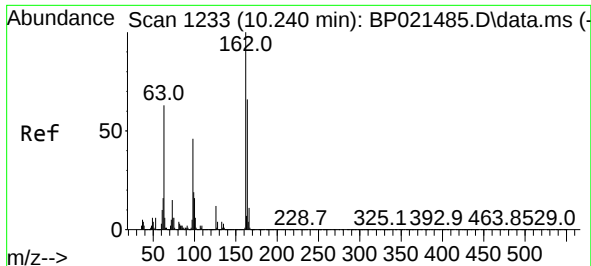


#28  
bis(2-Chloroethoxy)methane  
Concen: 39.286 ng  
RT: 9.999 min Scan# 1192  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



Tgt Ion: 93 Resp: 1658287  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.2 39.4  
123 10.2 7.6 11.4





#29  
2,4-Dichlorophenol  
Concen: 51.832 ng  
RT: 10.234 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

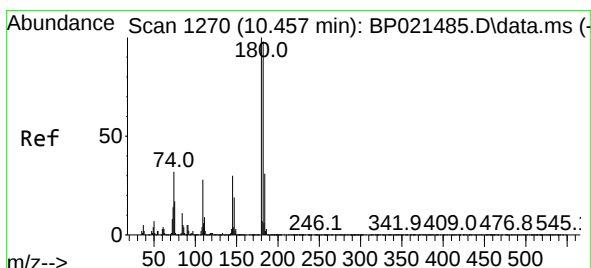
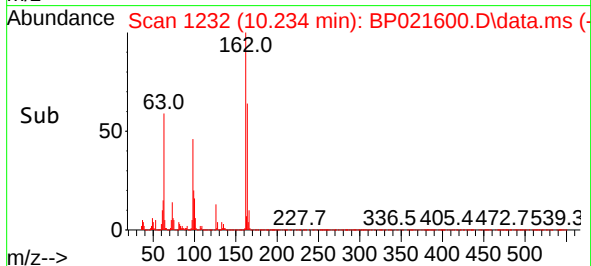
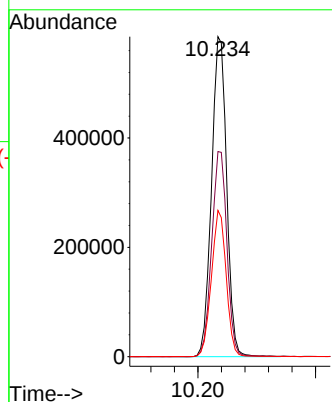
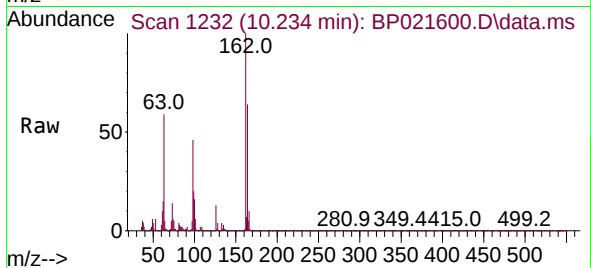
PB162878BSD

Tgt Ion:162 Resp: 104511  
Ion Ratio Lower Upper  
162 100  
164 64.1 45.9 85.9  
98 45.7 26.3 66.3

Manual Integrations

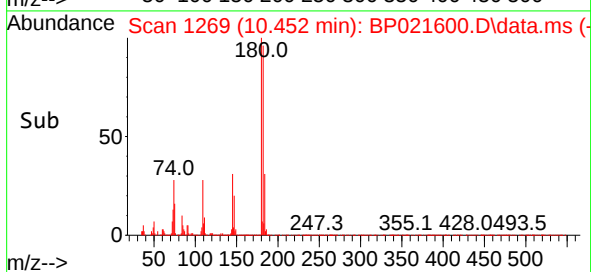
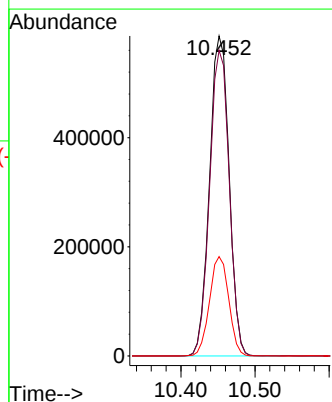
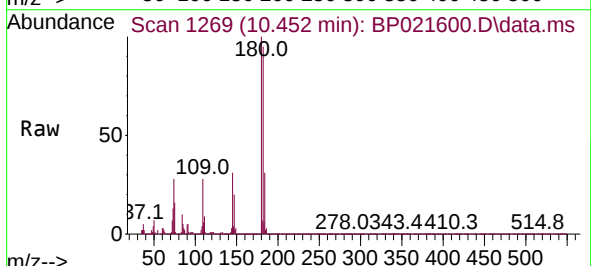
APPROVED

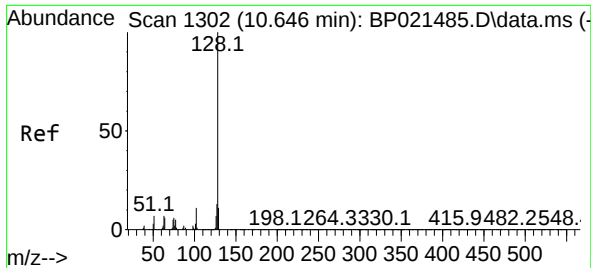
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 41.651 ng  
RT: 10.452 min Scan# 1269  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

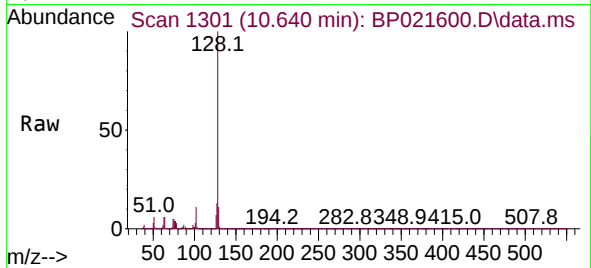
Tgt Ion:180 Resp: 1076721  
Ion Ratio Lower Upper  
180 100  
182 95.5 78.3 117.5  
145 31.1 24.0 36.0





#31  
Naphthalene  
Concen: 42.442 ng  
RT: 10.640 min Scan# 1175  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

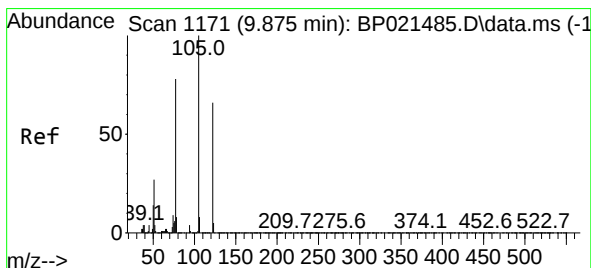
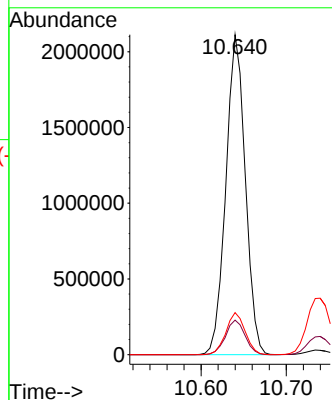
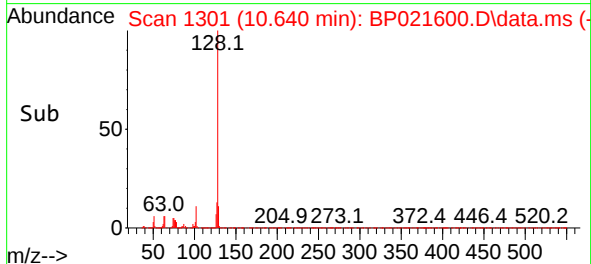
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:128 Resp: 3349770  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 12.8  
127 13.2 10.6 15.8

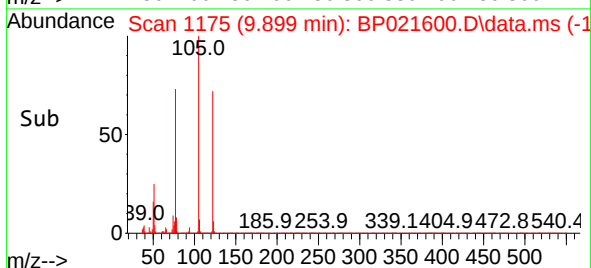
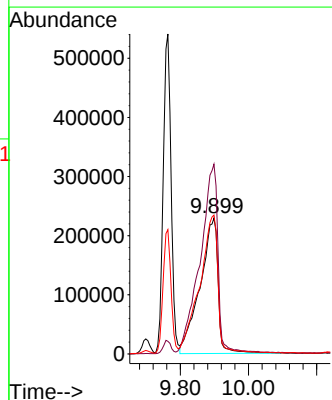
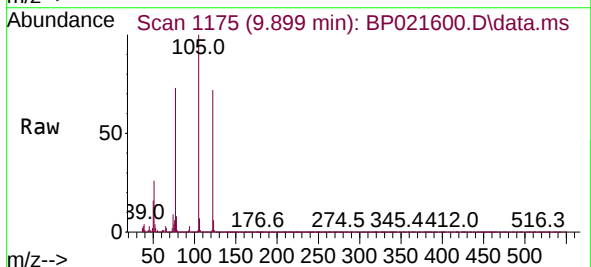
Manual Integrations  
APPROVED

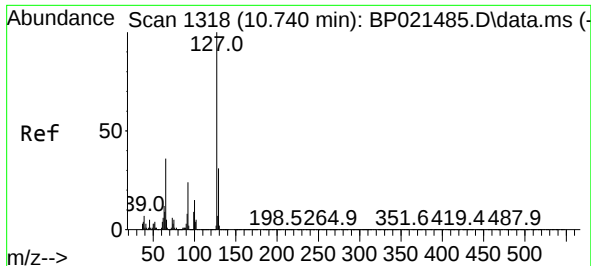
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#32  
Benzoic acid  
Concen: 65.445 ng  
RT: 9.899 min Scan# 1175  
Delta R.T. 0.024 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:122 Resp: 841574  
Ion Ratio Lower Upper  
122 100  
105 139.7 124.6 164.6  
77 102.2 96.2 136.2





#33  
4-Chloroaniline  
Concen: 24.985 ng  
RT: 10.740 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

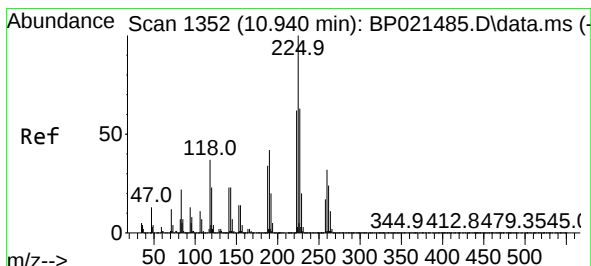
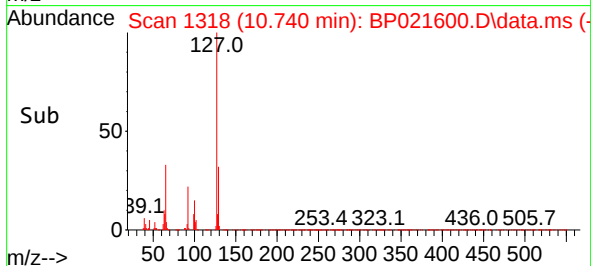
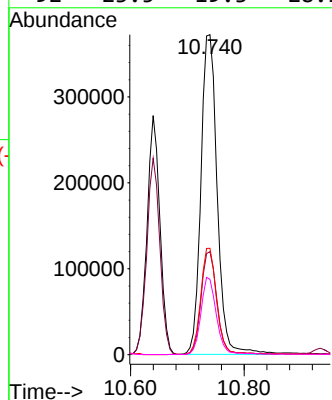
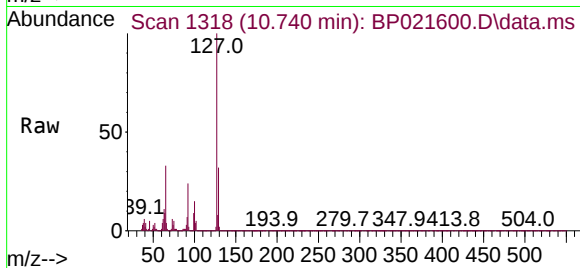
PB162878BSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 74073 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.2  | 24.5  | 36.7  |
| 65       | 33.3  | 28.9  | 43.3  |
| 92       | 23.5  | 19.3  | 28.9  |

Manual Integrations

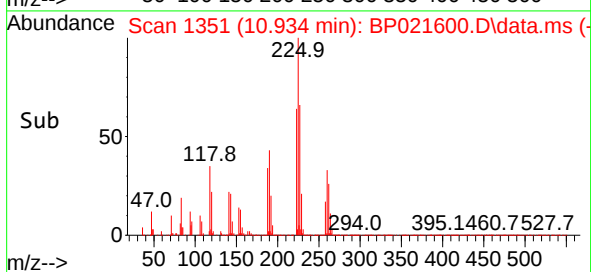
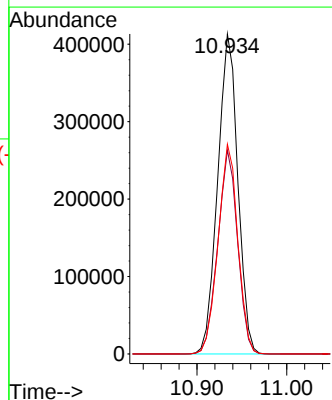
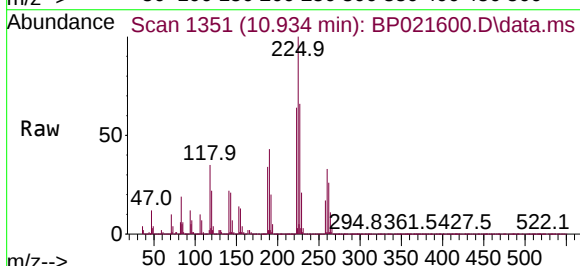
APPROVED

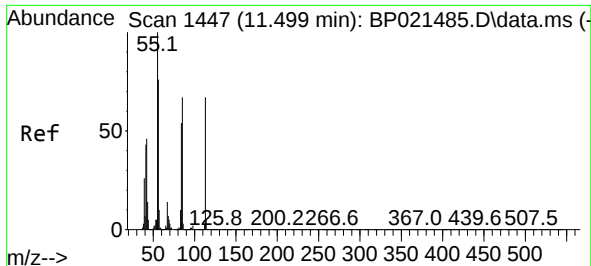
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#34  
Hexachlorobutadiene  
Concen: 39.510 ng  
RT: 10.934 min Scan# 1351  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

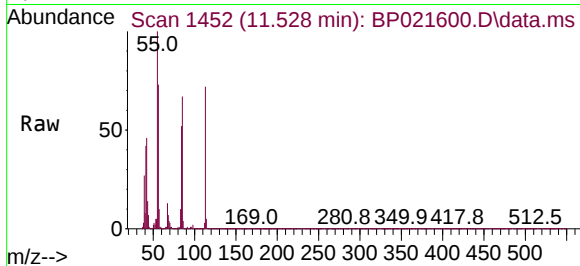
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 643088 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 49.6  | 74.4   |
| 227      | 65.5  | 50.1  | 75.1   |





#35  
Caprolactam  
Concen: 46.815 ng  
RT: 11.528 min Scan# 1447  
Delta R.T. 0.029 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

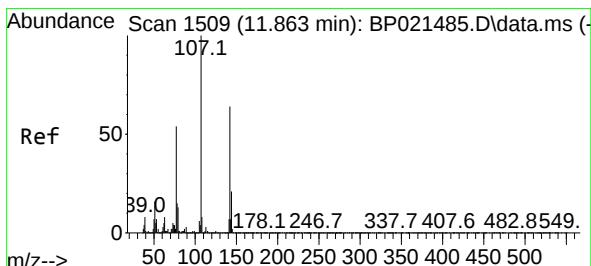
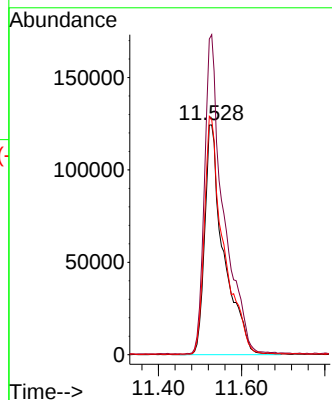
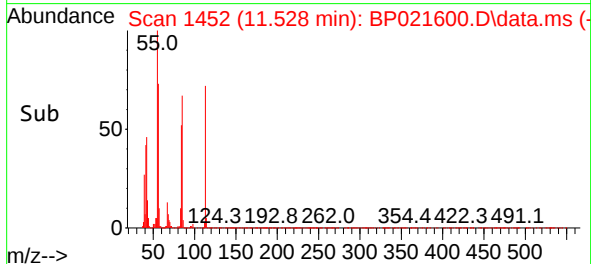
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



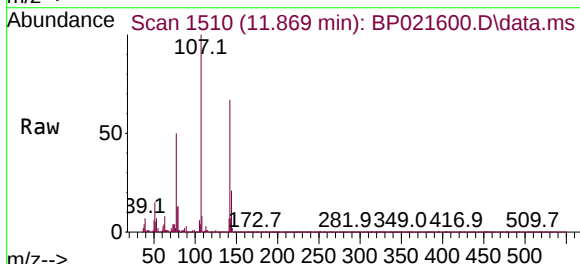
Tgt Ion:113 Resp: 392900  
Ion Ratio Lower Upper  
113 100  
55 139.3 130.6 170.6  
56 102.3 94.6 134.6

Manual Integrations  
APPROVED

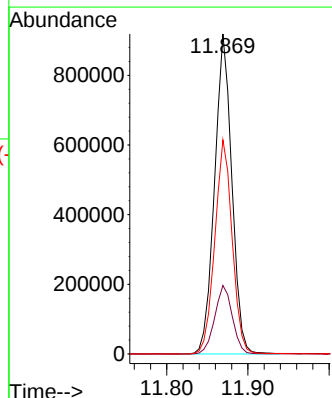
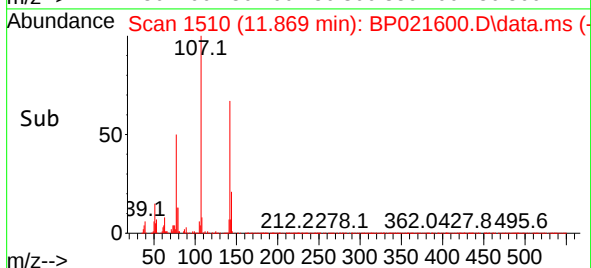
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024

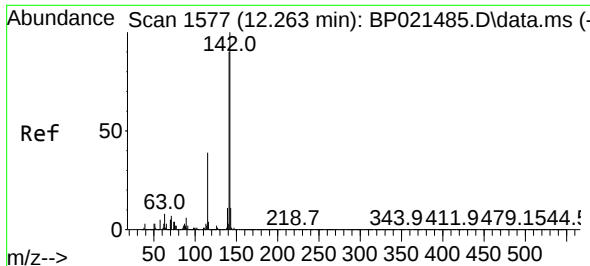


#36  
4-Chloro-3-methylphenol  
Concen: 48.640 ng  
RT: 11.869 min Scan# 1510  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



Tgt Ion:107 Resp: 1360470  
Ion Ratio Lower Upper  
107 100  
144 21.4 16.6 24.8  
142 66.9 51.0 76.4





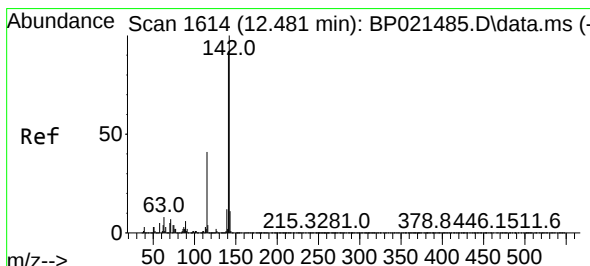
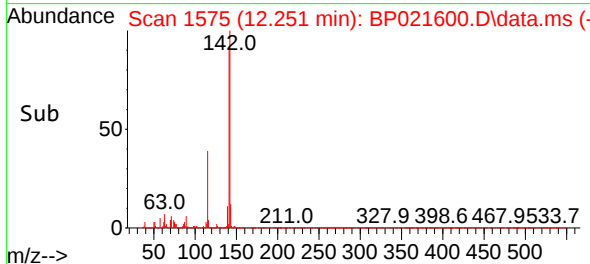
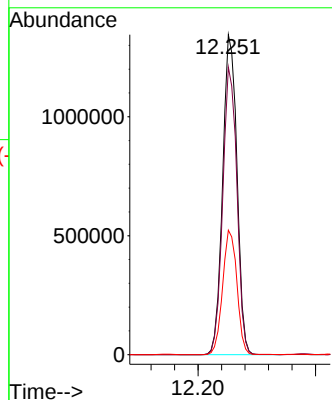
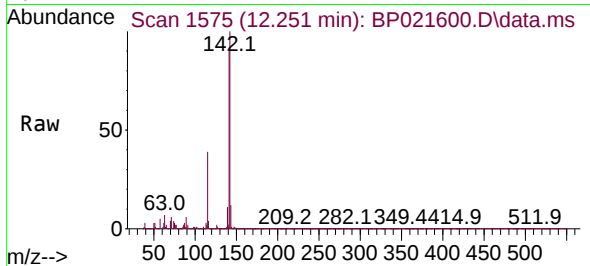
#37  
2-Methylnaphthalene  
Concen: 42.017 ng  
RT: 12.251 min Scan# 1575  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:142 Resp: 226331  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.7 107.5  
115 38.9 31.4 47.2

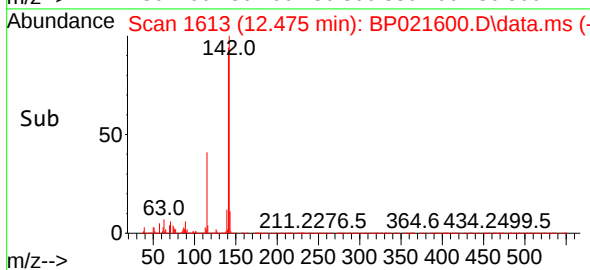
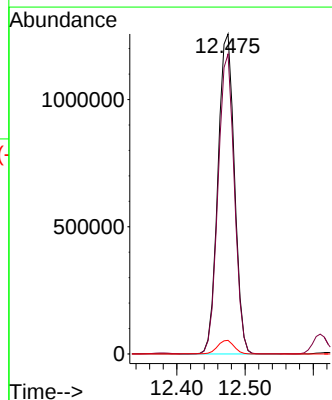
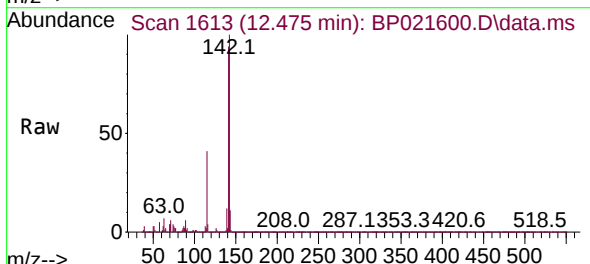
Manual Integrations  
APPROVED

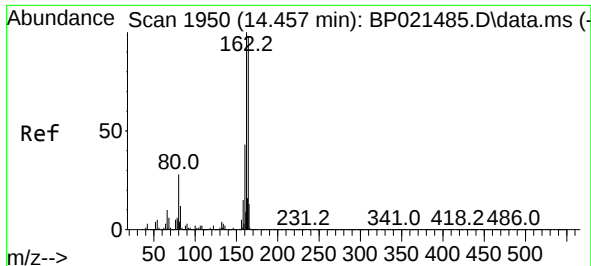
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#38  
1-Methylnaphthalene  
Concen: 39.858 ng  
RT: 12.475 min Scan# 1613  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:142 Resp: 2117526  
Ion Ratio Lower Upper  
142 100  
141 93.7 73.5 110.3  
116 4.3 3.4 5.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.445 min Scan# 1950  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

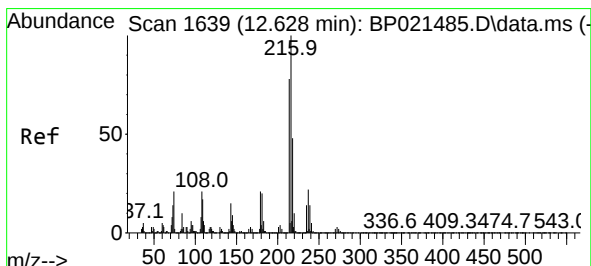
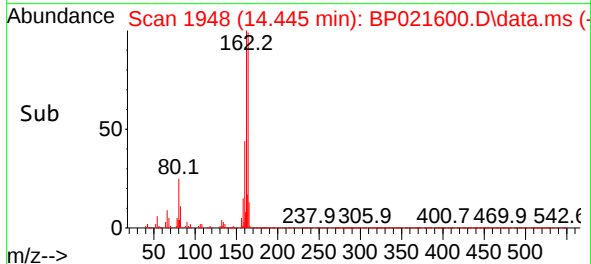
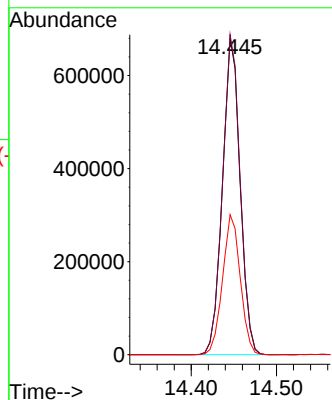
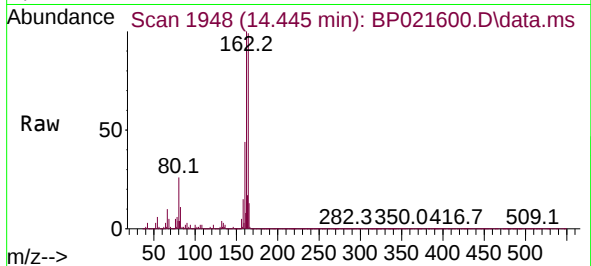
PB162878BSD

Tgt Ion:164 Resp: 976830  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.5 122.3  
160 44.2 35.2 52.8

Manual Integrations

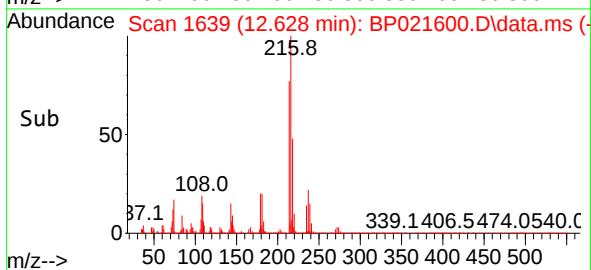
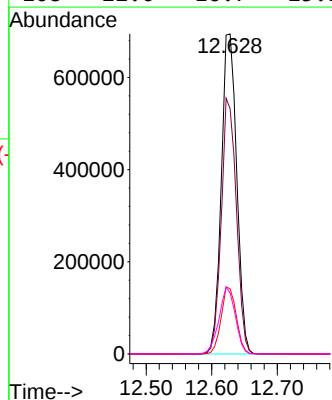
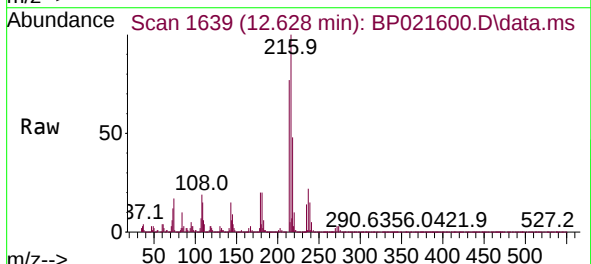
APPROVED

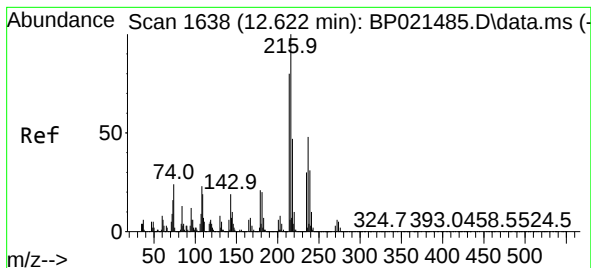
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.420 ng  
RT: 12.628 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:216 Resp: 1128263  
Ion Ratio Lower Upper  
216 100  
214 78.0 62.5 93.7  
179 20.6 16.4 24.6  
108 22.0 16.7 25.1





#41

Hexachlorocyclopentadiene

Concen: 108.502 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.012 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:237 Resp: 98424

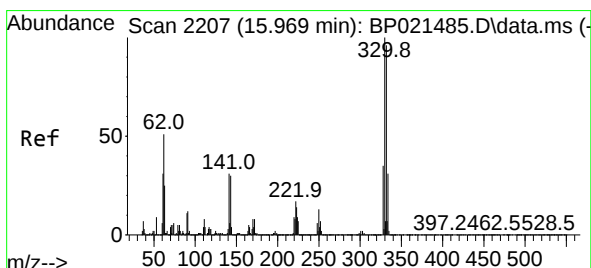
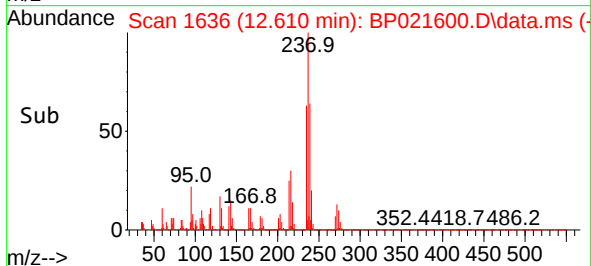
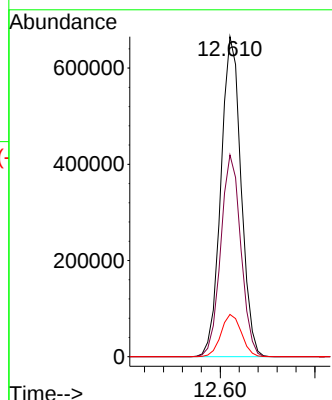
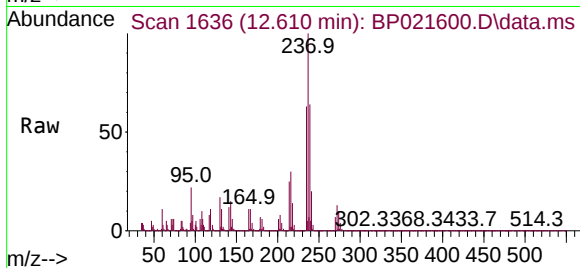
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.0  | 43.9  | 83.9  |
| 272 | 13.2  | 0.0   | 33.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#42

2,4,6-Tribromophenol

Concen: 151.281 ng

RT: 15.963 min Scan# 2206

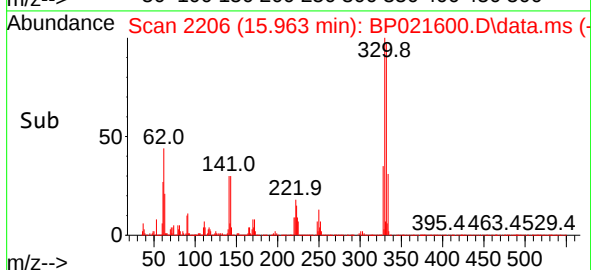
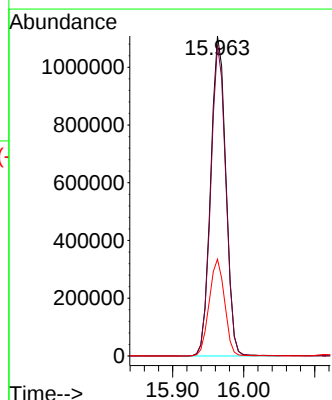
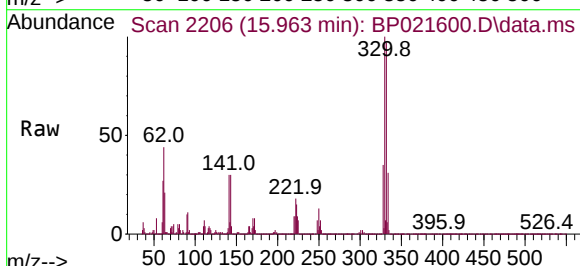
Delta R.T. -0.006 min

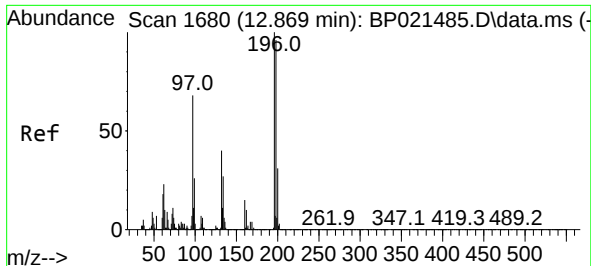
Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Tgt Ion:330 Resp: 1644681

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.6  | 77.4  | 116.0 |
| 141 | 30.7  | 24.5  | 36.7  |





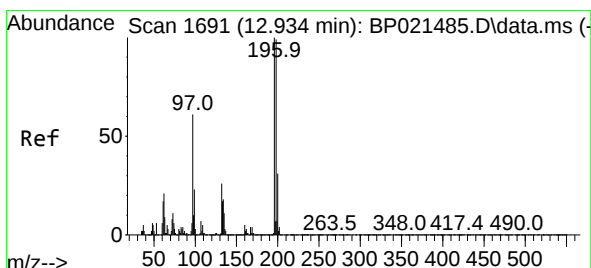
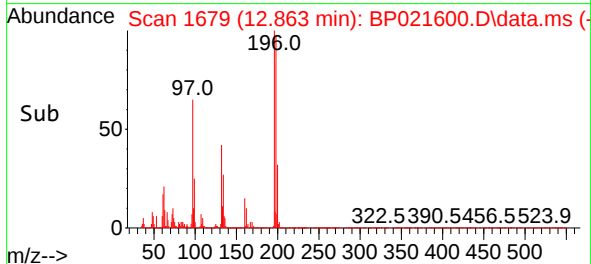
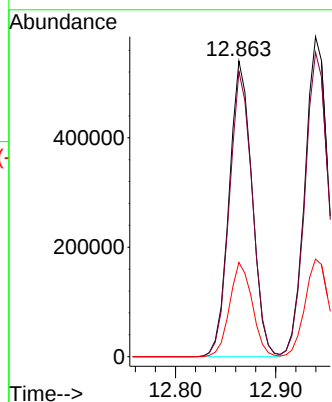
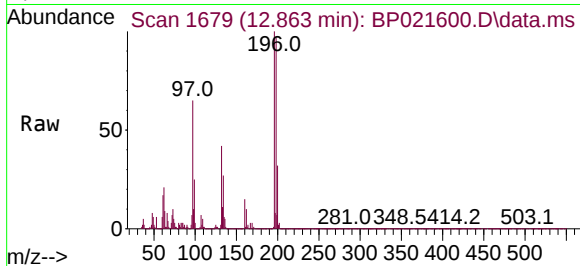
#43  
2,4,6-Trichlorophenol  
Concen: 53.844 ng  
RT: 12.863 min Scan# 1679  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:196 Resp: 856052  
Ion Ratio Lower Upper  
196 100  
198 96.5 76.6 114.8  
200 31.9 24.5 36.7

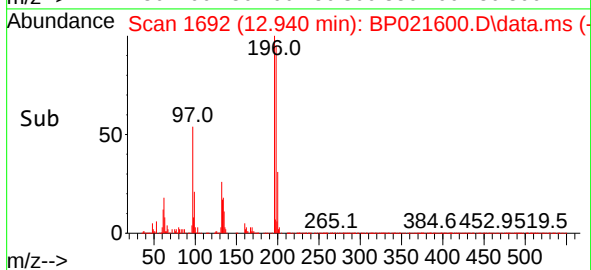
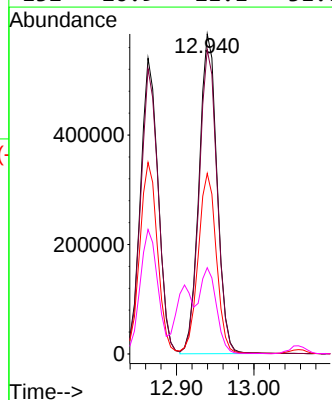
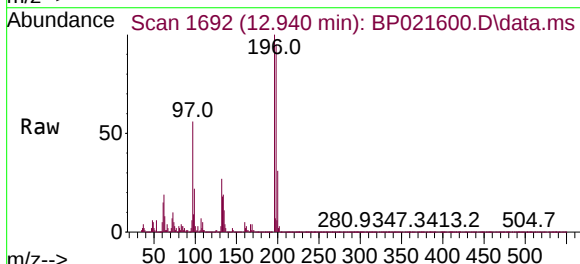
Manual Integrations  
APPROVED

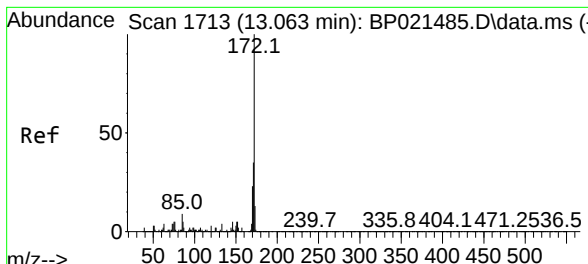
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#44  
2,4,5-Trichlorophenol  
Concen: 53.369 ng  
RT: 12.940 min Scan# 1692  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:196 Resp: 942710  
Ion Ratio Lower Upper  
196 100  
198 95.1 78.9 118.3  
97 56.4 49.4 74.0  
132 26.9 21.1 31.7





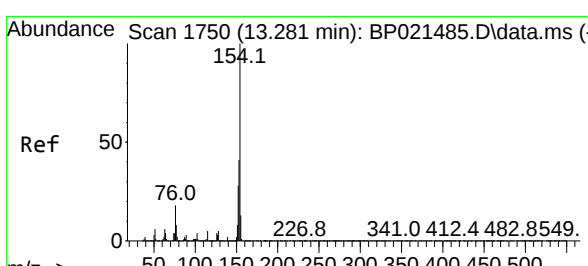
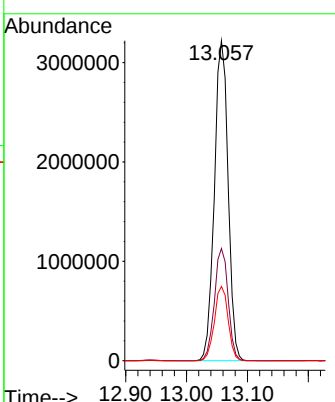
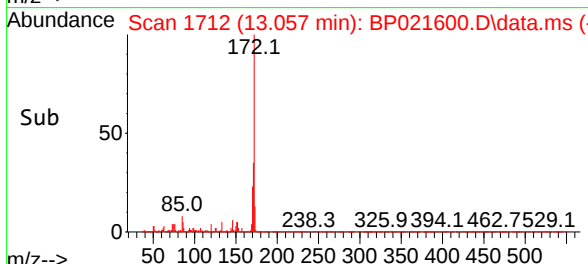
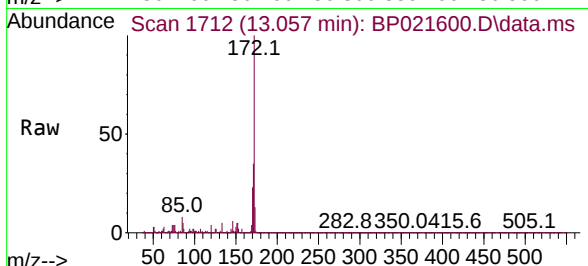
#45  
 2-Fluorobiphenyl  
 Concen: 78.576 ng  
 RT: 13.057 min Scan# 1712  
 Delta R.T. -0.006 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42

Instrument : BNA\_P  
 ClientSampleId : PB162878BSD

Tgt Ion:172 Resp: 5029310

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.1  | 28.2  | 42.4  |
| 170 | 23.2  | 18.4  | 27.6  |

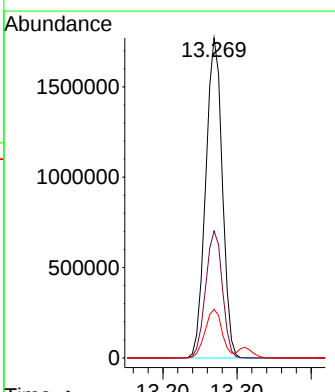
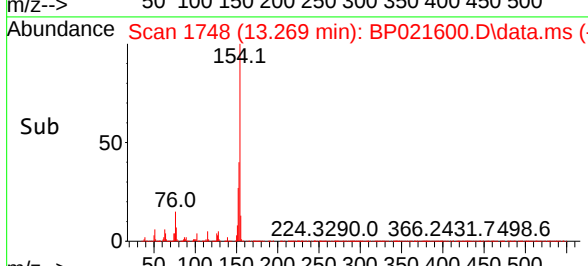
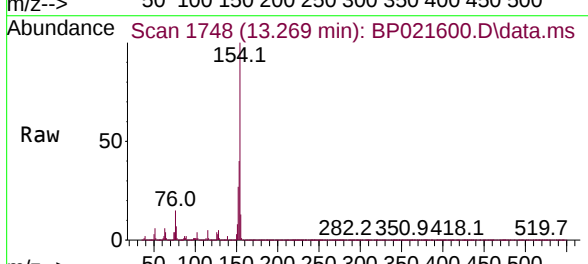
Manual Integrations  
**APPROVED**  
 Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

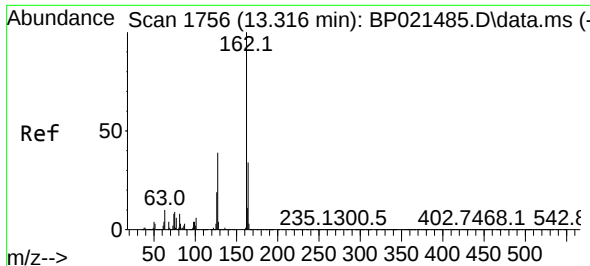


#46  
 1,1'-Biphenyl  
 Concen: 39.721 ng  
 RT: 13.269 min Scan# 1748  
 Delta R.T. -0.012 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42

Tgt Ion:154 Resp: 2745172

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 39.7  | 20.7  | 60.7  |
| 76  | 15.2  | 0.0   | 37.7  |





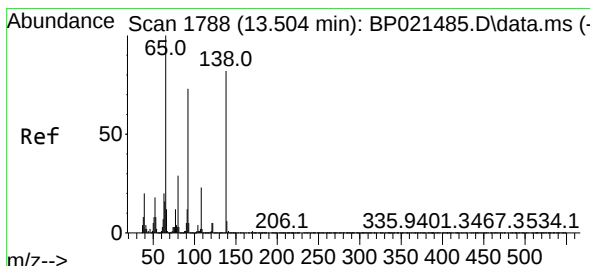
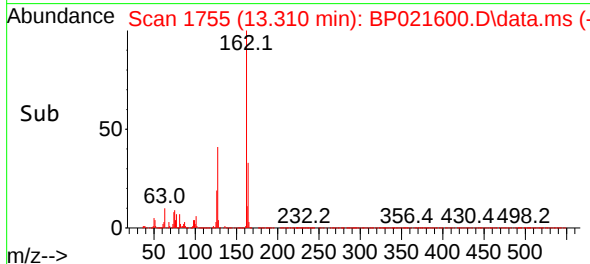
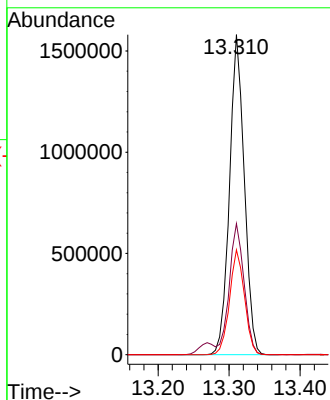
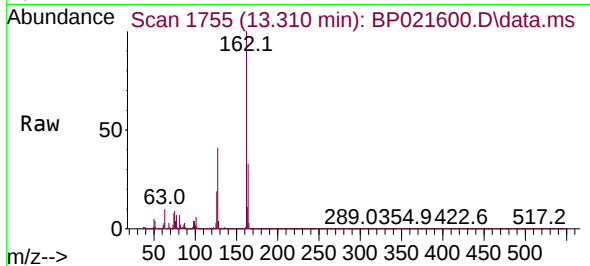
#47  
2-Chloronaphthalene  
Concen: 42.565 ng  
RT: 13.310 min Scan# 1755  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:162 Resp: 2290229  
Ion Ratio Lower Upper  
162 100  
127 40.9 31.9 47.9  
164 32.8 26.8 40.2

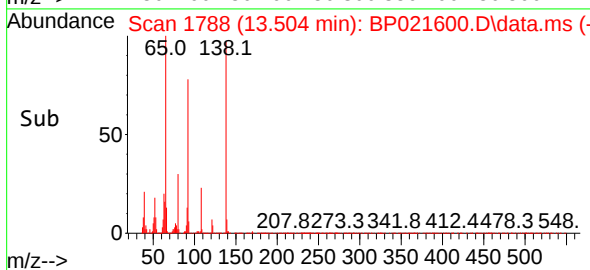
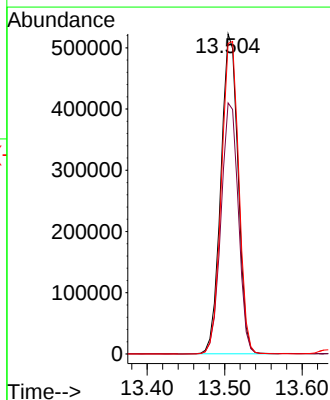
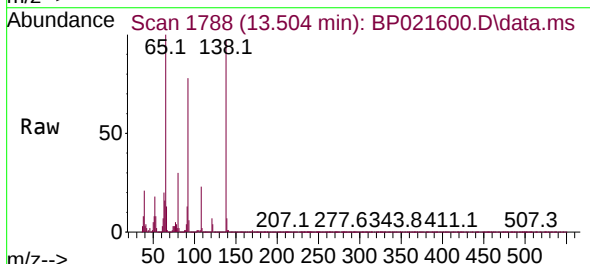
Manual Integrations  
APPROVED

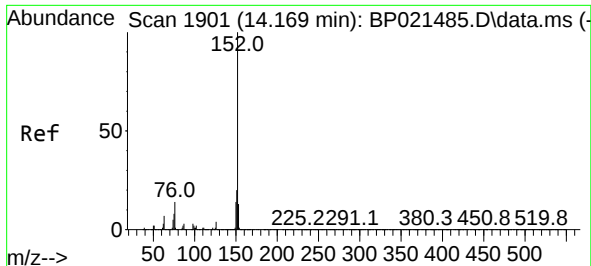
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#48  
2-Nitroaniline  
Concen: 52.958 ng  
RT: 13.504 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

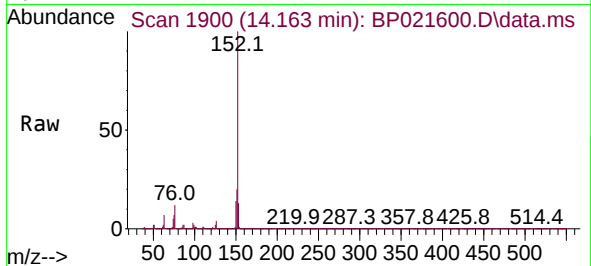
Tgt Ion: 65 Resp: 807596  
Ion Ratio Lower Upper  
65 100  
92 78.5 58.1 87.1  
138 97.1 65.5 98.3





#49  
Acenaphthylene  
Concen: 47.713 ng  
RT: 14.163 min Scan# 1901  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

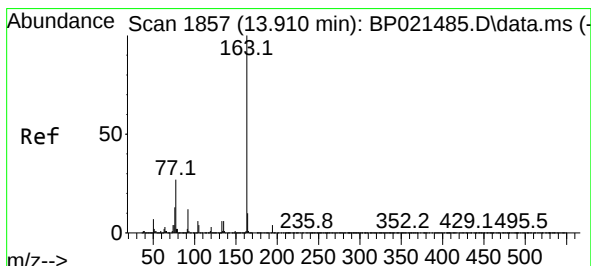
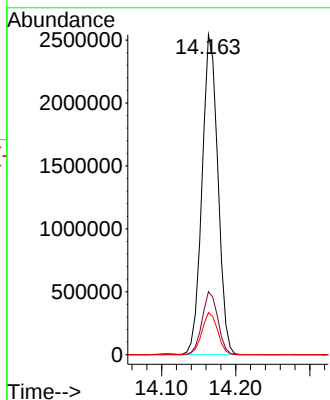
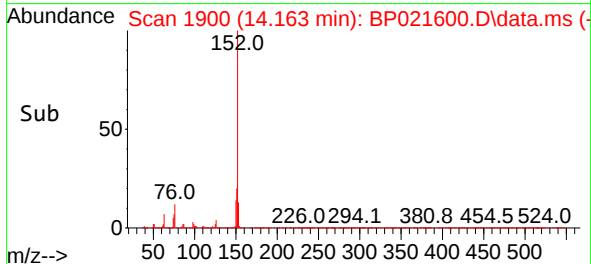
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:152 Resp: 3773954  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.9 23.9  
153 13.2 10.6 16.0

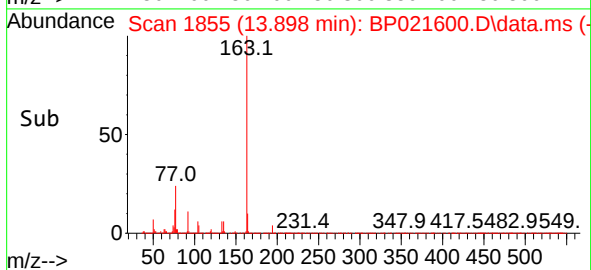
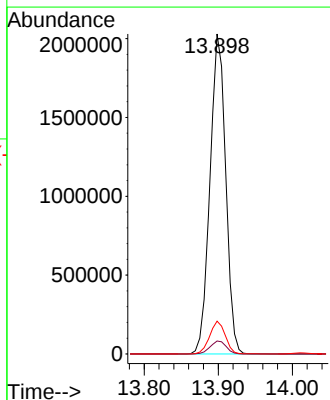
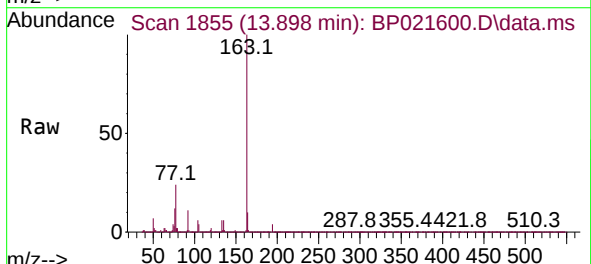
Manual Integrations  
APPROVED

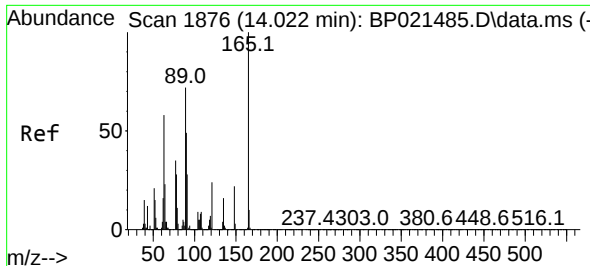
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#50  
Dimethylphthalate  
Concen: 45.743 ng  
RT: 13.898 min Scan# 1855  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

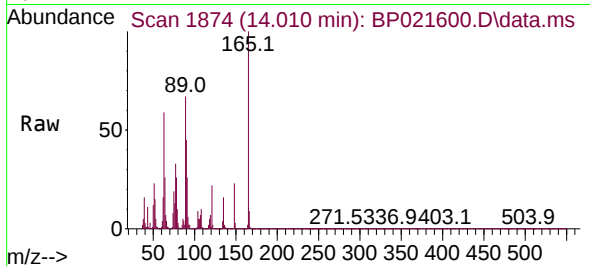
Tgt Ion:163 Resp: 2992401  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 49.960 ng  
RT: 14.010 min Scan# 1876  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

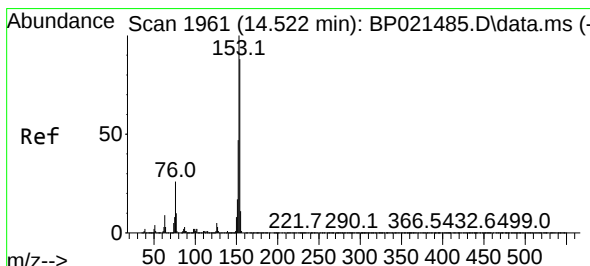
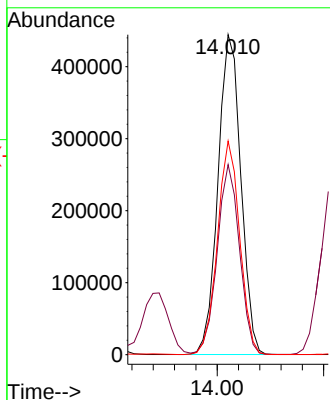
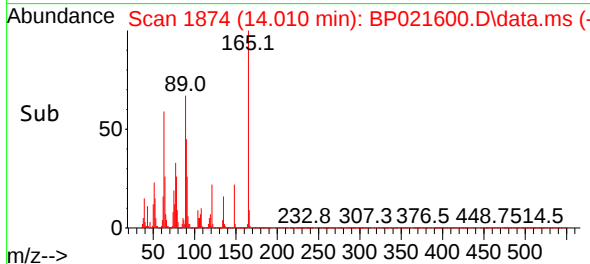
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:165 Resp: 661704  
Ion Ratio Lower Upper  
165 100  
63 59.4 51.5 77.3  
89 66.8 57.8 86.8

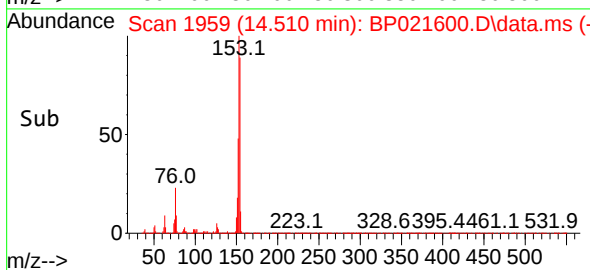
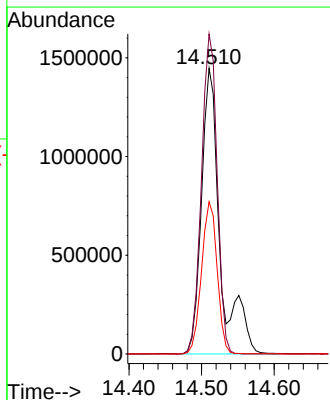
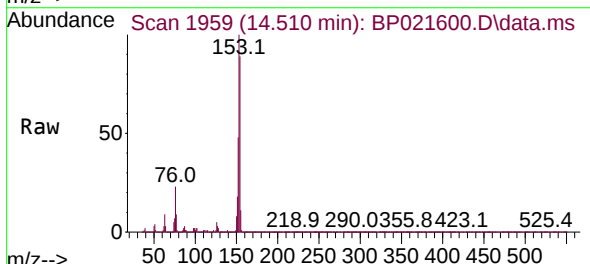
Manual Integrations  
APPROVED

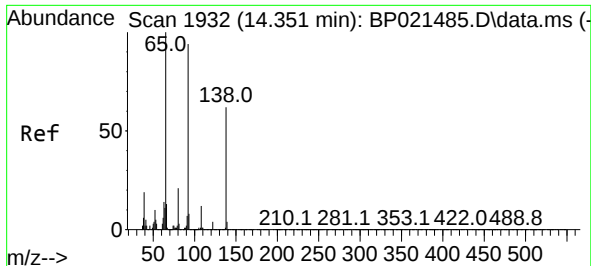
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#52  
Acenaphthene  
Concen: 50.038 ng m  
RT: 14.510 min Scan# 1959  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

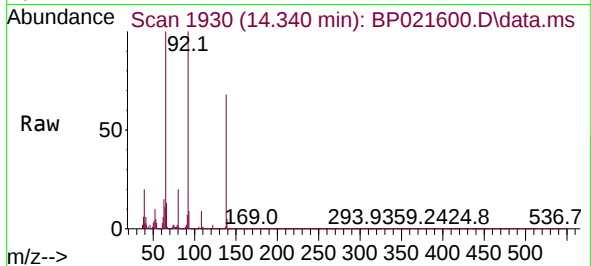
Tgt Ion:154 Resp: 2596921  
Ion Ratio Lower Upper  
154 100  
153 112.1 91.1 136.7  
152 53.3 43.0 64.4





#53  
3-Nitroaniline  
Concen: 44.640 ng  
RT: 14.340 min Scan# 1932  
Delta R.T. -0.011 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

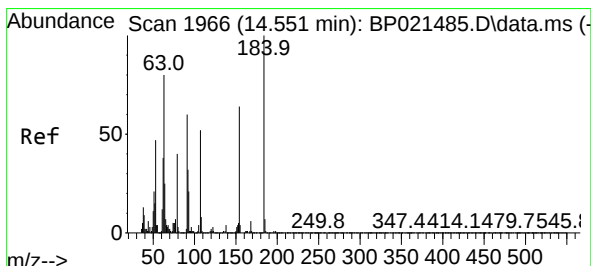
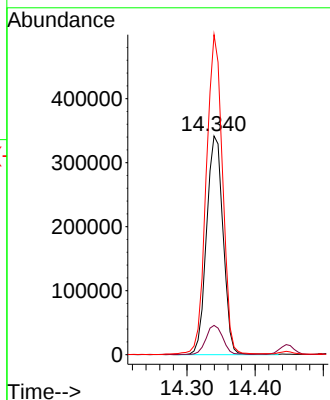
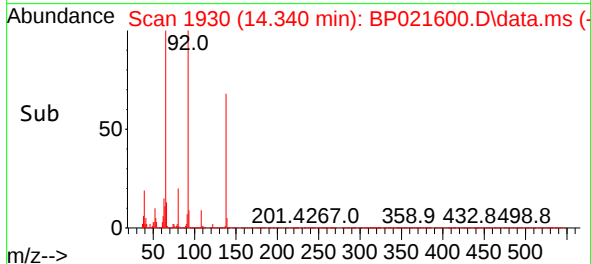
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:138 Resp: 575240  
Ion Ratio Lower Upper  
138 100  
108 13.4 16.2 24.4  
92 146.3 122.2 183.4

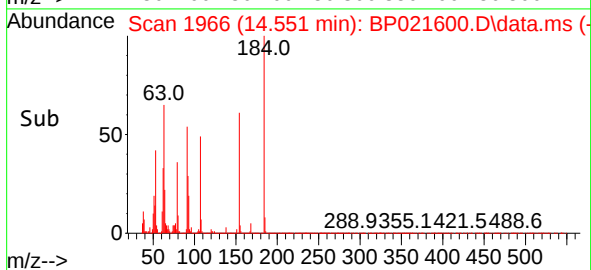
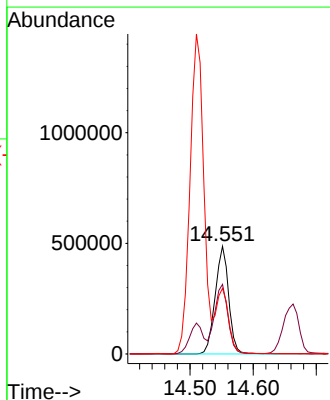
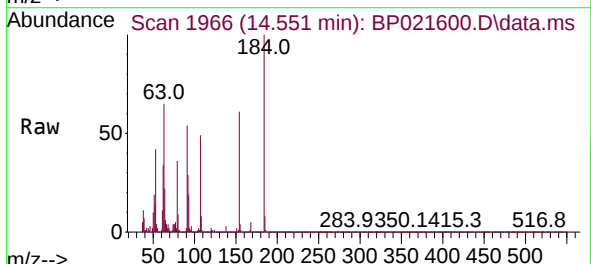
Manual Integrations  
APPROVED

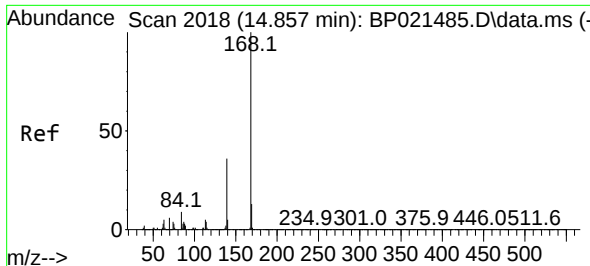
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#54  
2,4-Dinitrophenol  
Concen: 122.490 ng  
RT: 14.551 min Scan# 1966  
Delta R.T. 0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

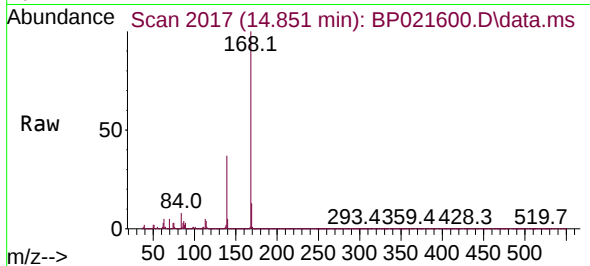
Tgt Ion:184 Resp: 723067  
Ion Ratio Lower Upper  
184 100  
63 64.6 64.9 97.3  
154 60.9 52.1 78.1





#55  
Dibenzofuran  
Concen: 45.117 ng  
RT: 14.851 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

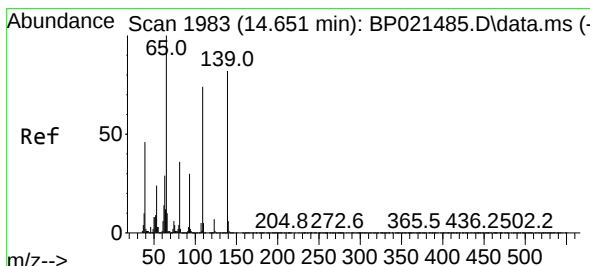
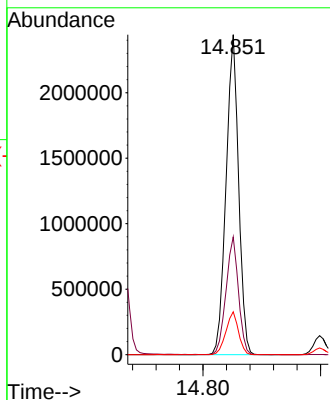
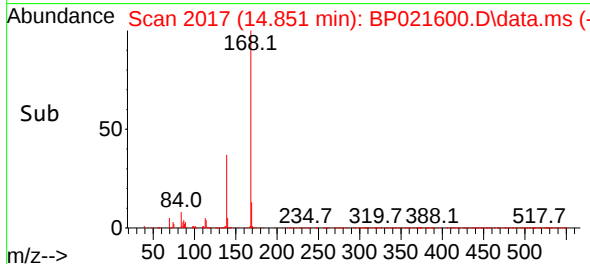
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:168 Resp: 3602010  
Ion Ratio Lower Upper  
168 100  
139 36.8 28.6 43.0  
169 13.4 10.6 16.0

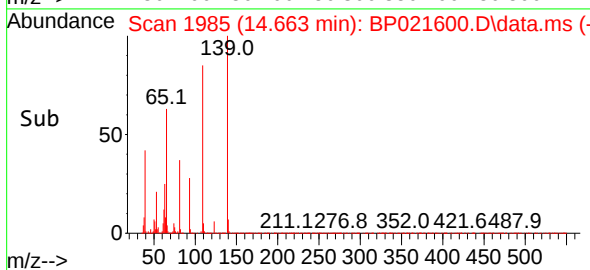
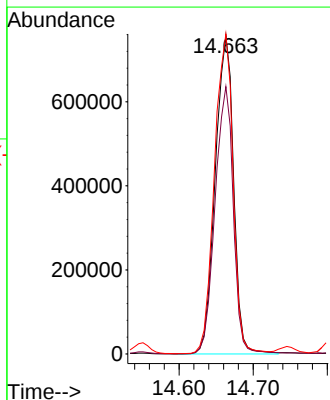
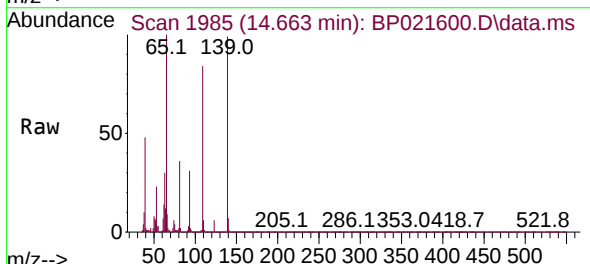
Manual Integrations  
APPROVED

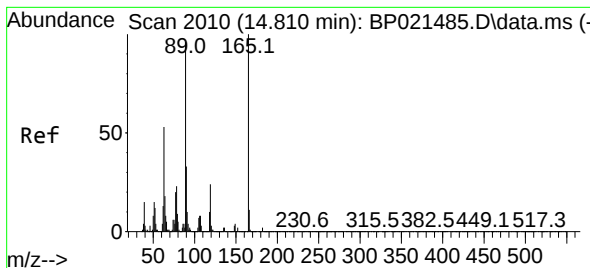
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#56  
4-Nitrophenol  
Concen: 117.451 ng  
RT: 14.663 min Scan# 1985  
Delta R.T. 0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:139 Resp: 1301825  
Ion Ratio Lower Upper  
139 100  
109 84.0 70.2 110.2  
65 100.5 101.8 141.8#





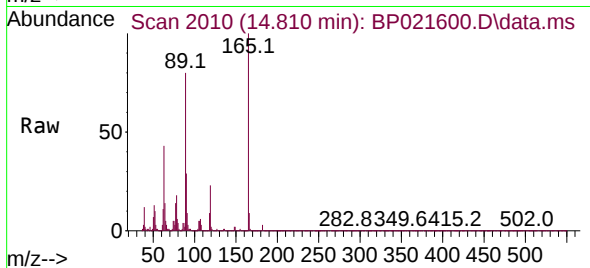
#57  
2,4-Dinitrotoluene  
Concen: 55.431 ng  
RT: 14.810 min Scan# 2010  
Delta R.T. 0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD



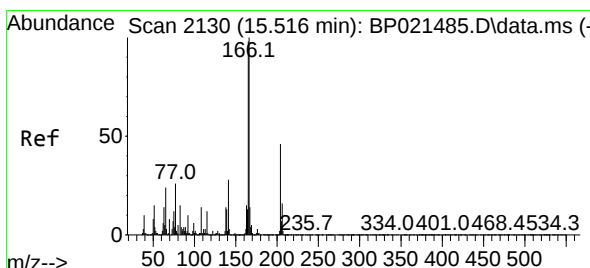
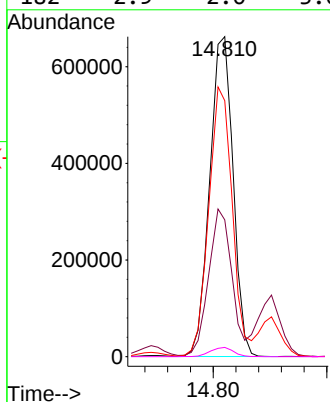
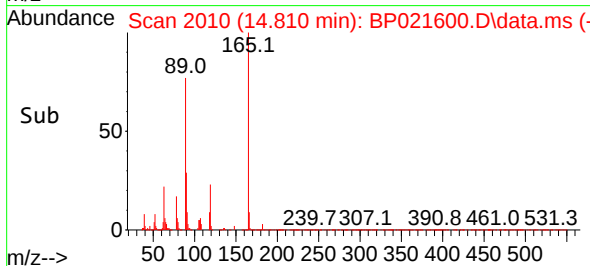
Tgt Ion:165 Resp: 945035  
Ion Ratio Lower Upper  
165 100  
63 42.8 42.5 63.7  
89 80.0 77.1 115.7  
182 2.9 2.0 3.0

Manual Integrations

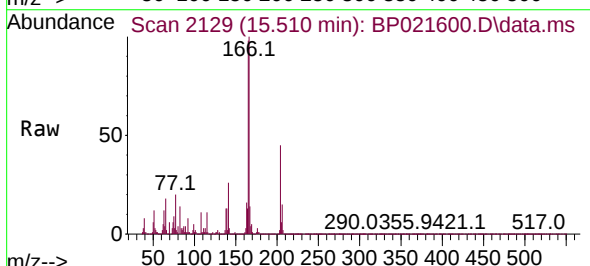
APPROVED

Reviewed By :Yogesh Patel 08/22/2024

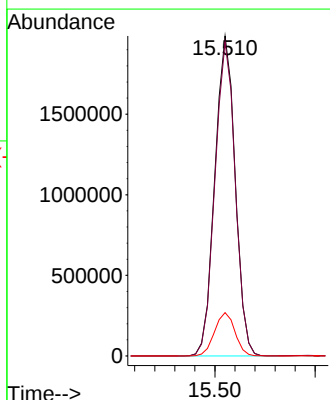
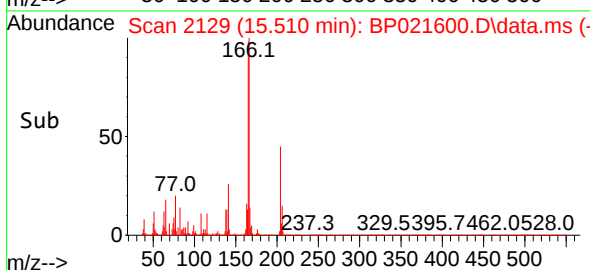
Supervised By :mohammad ahmed 08/22/2024

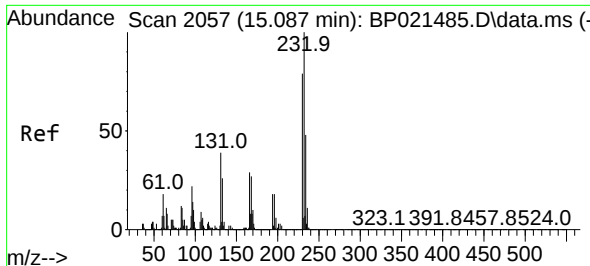


#58  
Fluorene  
Concen: 42.625 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42



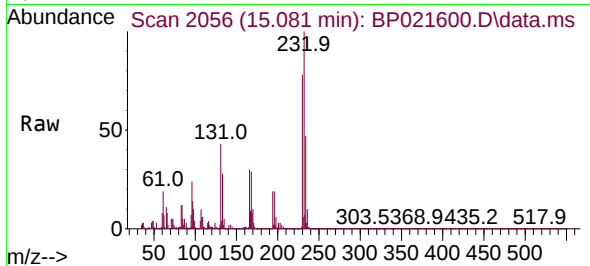
Tgt Ion:166 Resp: 2795686  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.1 117.1  
167 13.5 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 56.338 ng  
RT: 15.081 min Scan# 2057  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

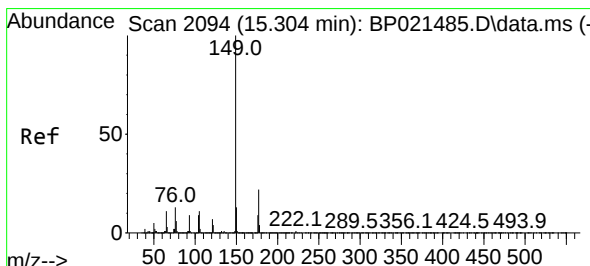
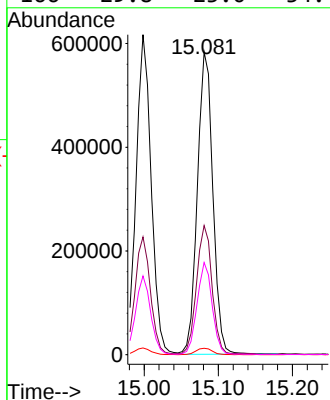
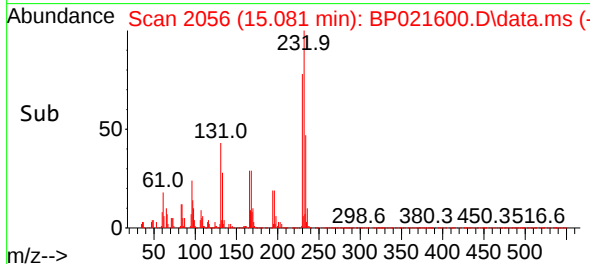
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:232 Resp: 844678  
Ion Ratio Lower Upper  
232 100  
131 42.2 33.1 49.7  
130 2.3 1.7 2.5  
166 29.8 23.0 34.4

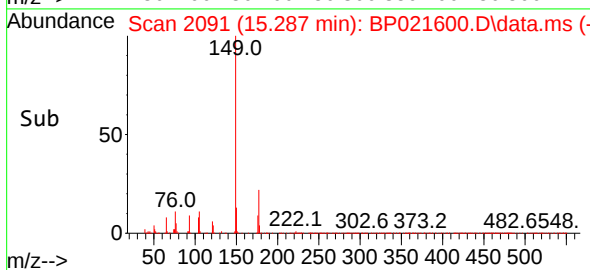
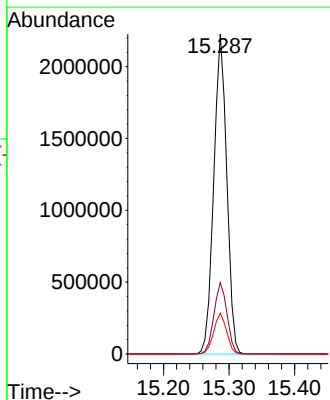
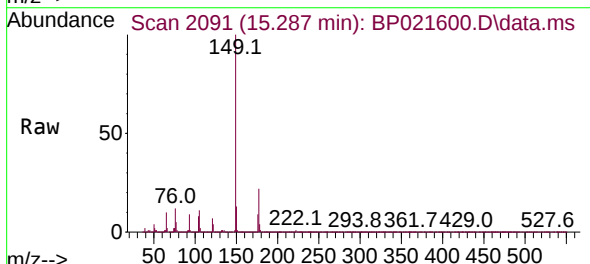
Manual Integrations  
APPROVED

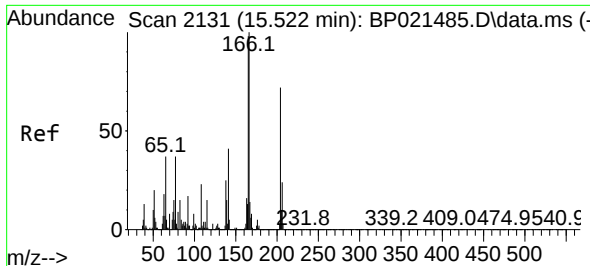
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#60  
Diethylphthalate  
Concen: 45.489 ng  
RT: 15.287 min Scan# 2091  
Delta R.T. -0.018 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

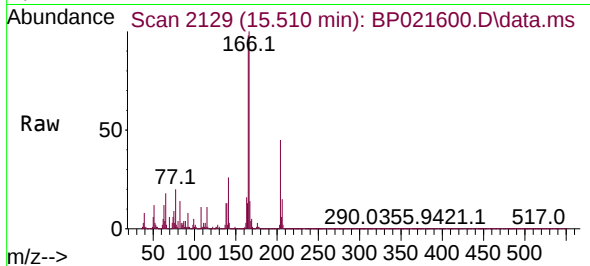
Tgt Ion:149 Resp: 3053254  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.8 26.8  
150 12.7 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 41.504 ng  
RT: 15.510 min Scan# 2129  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

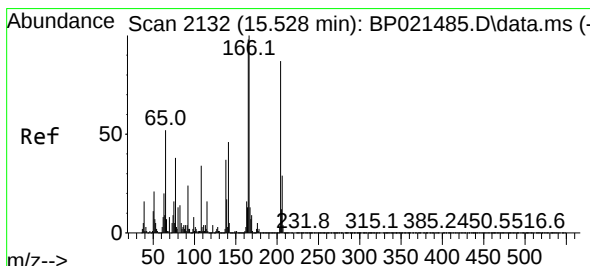
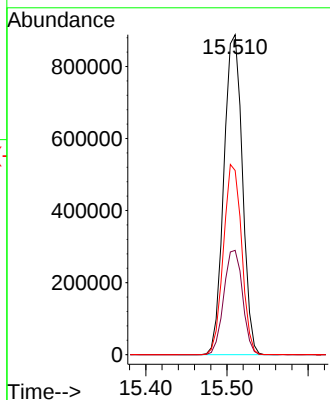
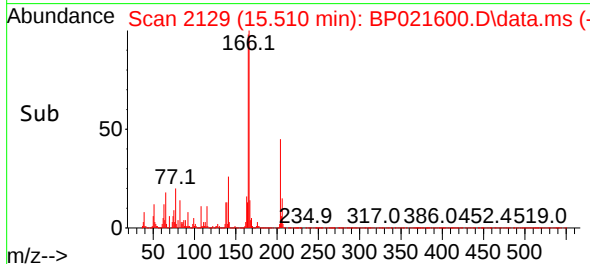
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:204 Resp: 1407090  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.4 39.6  
141 57.6 46.1 69.1

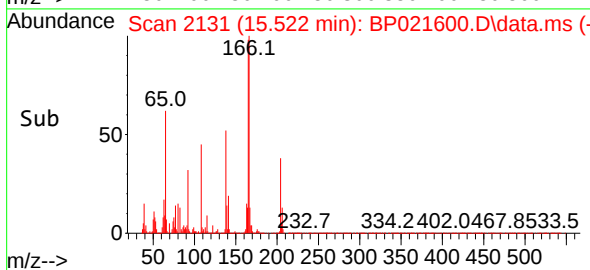
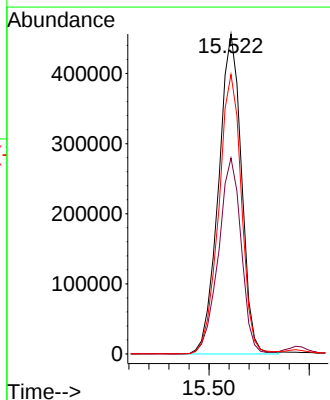
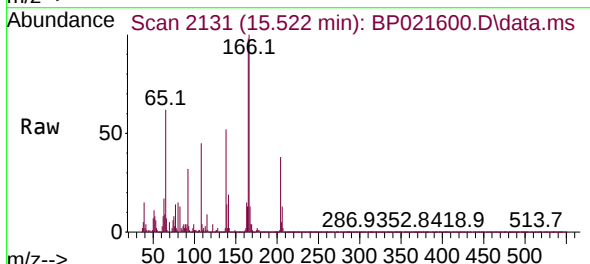
Manual Integrations  
APPROVED

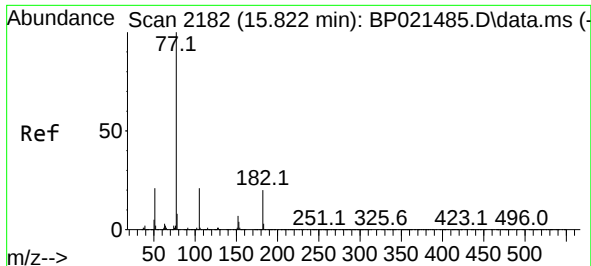
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#62  
4-Nitroaniline  
Concen: 53.945 ng  
RT: 15.522 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

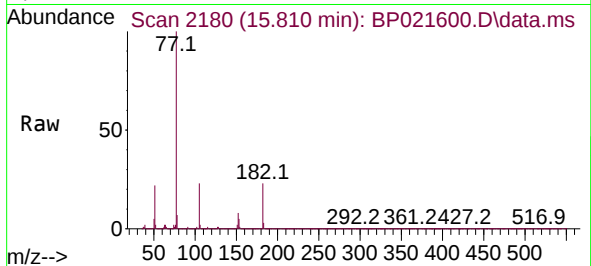
Tgt Ion:138 Resp: 724595  
Ion Ratio Lower Upper  
138 100  
92 61.2 46.4 86.4  
108 87.3 73.2 113.2





#63  
Azobenzene  
Concen: 40.054 ng  
RT: 15.810 min Scan# 2182  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

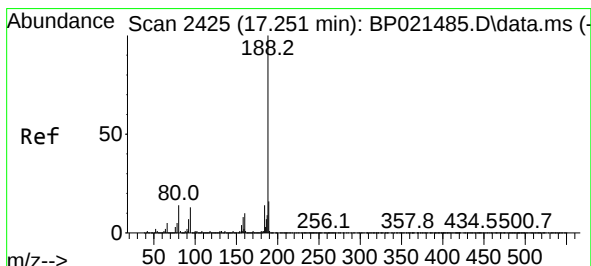
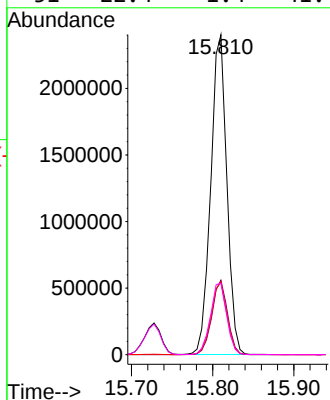
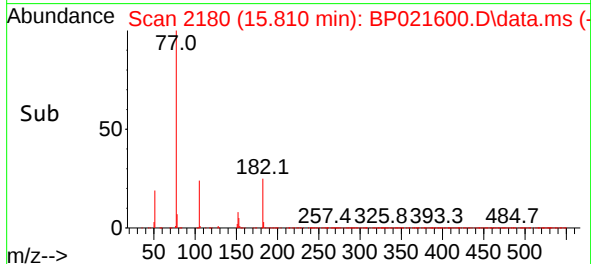
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion: 77 Resp: 3304768  
Ion Ratio Lower Upper  
77 100  
182 23.3 0.0 39.9  
105 22.7 0.9 40.9  
51 22.4 1.4 41.4

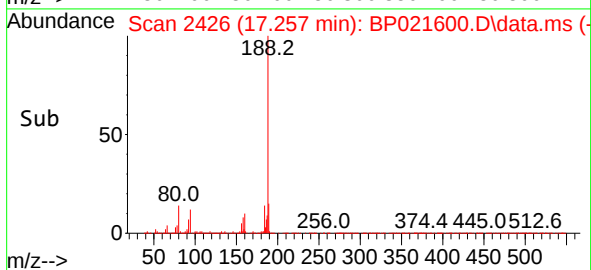
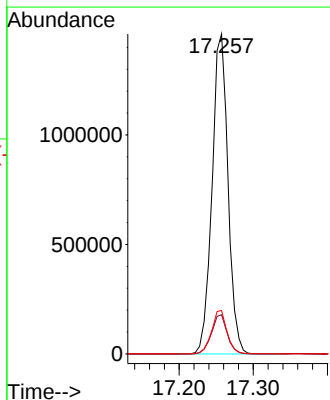
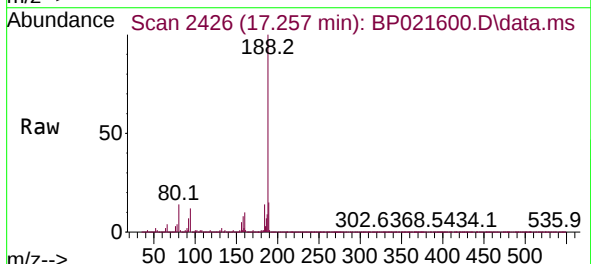
Manual Integrations  
APPROVED

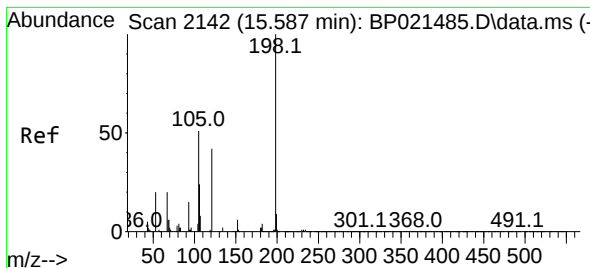
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.257 min Scan# 2426  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:188 Resp: 2177042  
Ion Ratio Lower Upper  
188 100  
94 12.3 10.2 15.4  
80 13.6 11.6 17.4





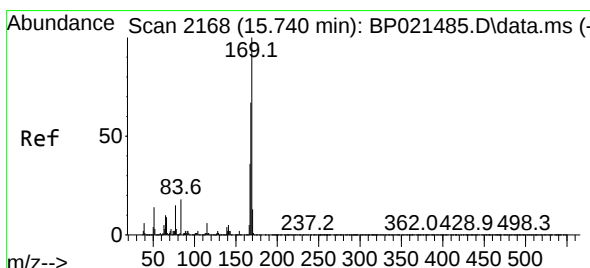
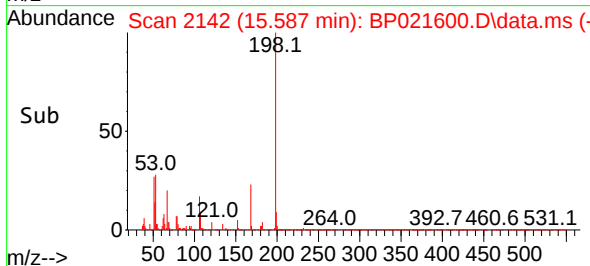
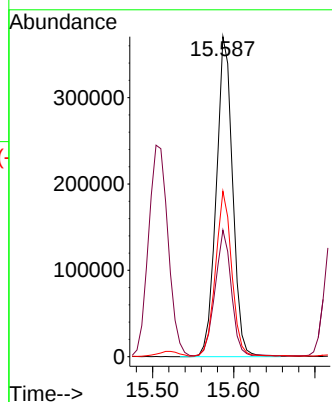
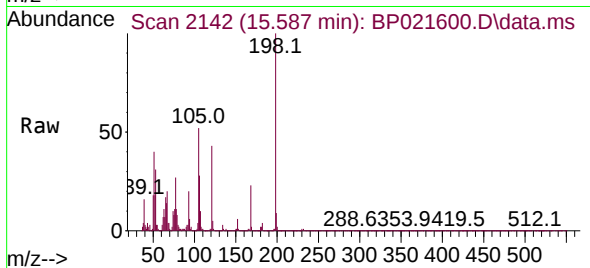
#65  
4,6-Dinitro-2-methylphenol  
Concen: 68.260 ng  
RT: 15.587 min Scan# 2142  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD

Tgt Ion:198 Resp: 518538  
Ion Ratio Lower Upper  
198 100  
51 39.5 21.5 61.5  
105 51.7 32.9 72.9

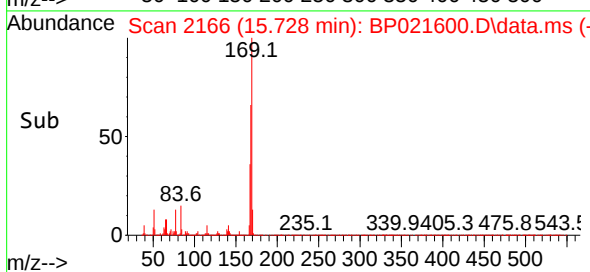
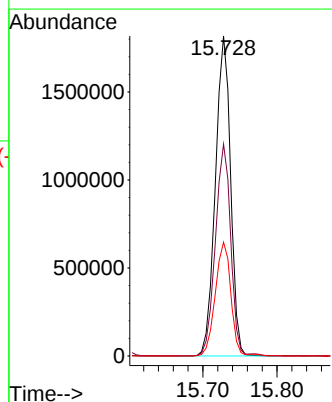
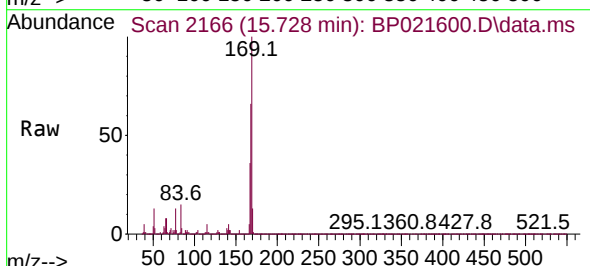
Manual Integrations  
APPROVED

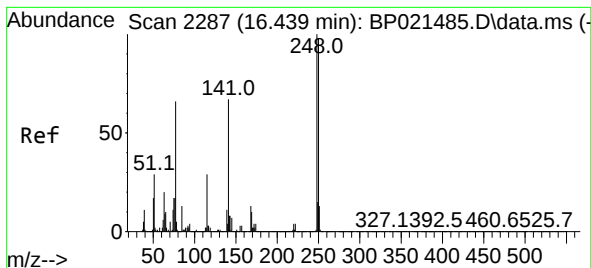
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#66  
n-Nitrosodiphenylamine  
Concen: 44.320 ng  
RT: 15.728 min Scan# 2166  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

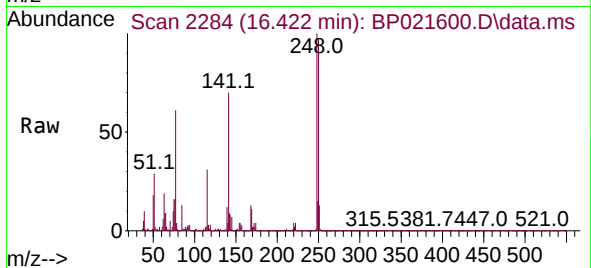
Tgt Ion:169 Resp: 2585682  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.4 80.2  
167 35.6 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 41.898 ng  
RT: 16.422 min Scan# 21  
Delta R.T. -0.018 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

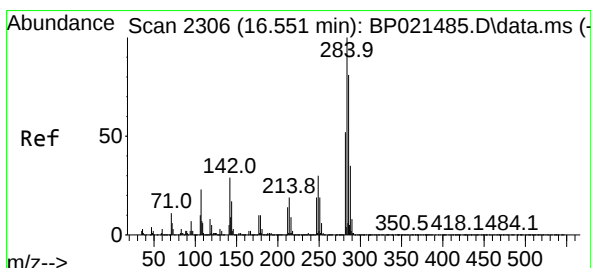
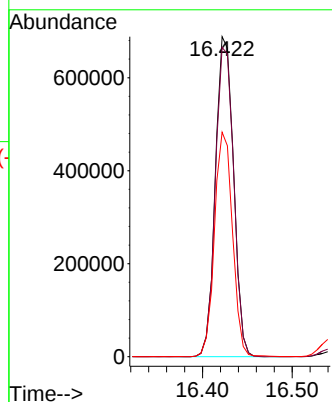
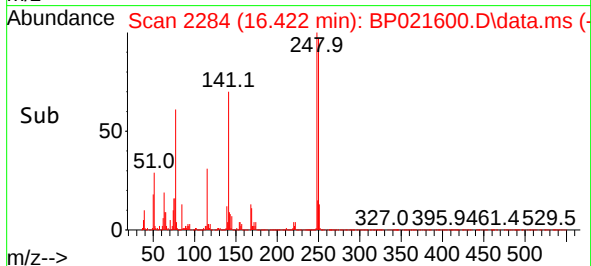
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:248 Resp: 96537  
Ion Ratio Lower Upper  
248 100  
250 96.6 78.6 117.8  
141 70.2 53.9 80.9

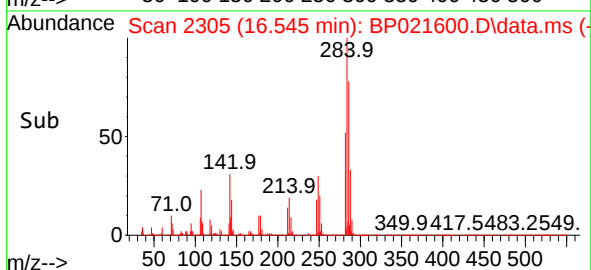
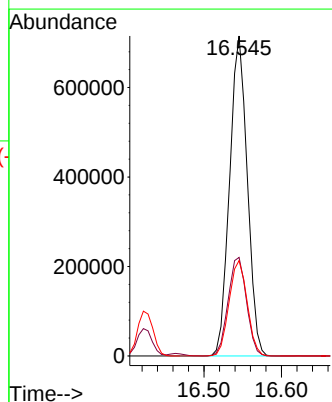
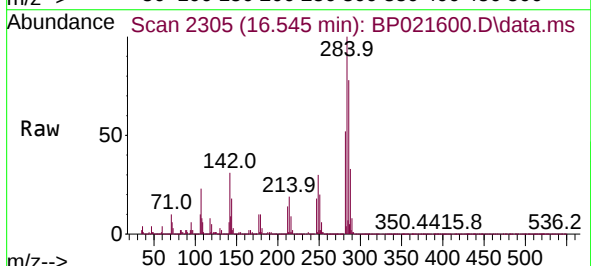
Manual Integrations  
APPROVED

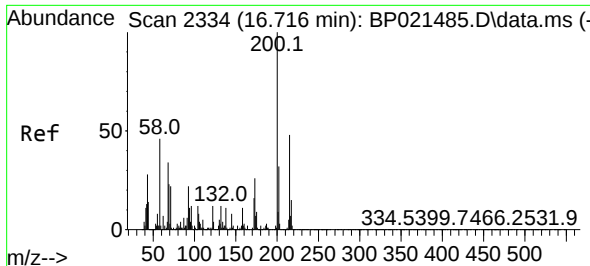
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#68  
Hexachlorobenzene  
Concen: 41.694 ng  
RT: 16.545 min Scan# 2305  
Delta R.T. -0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

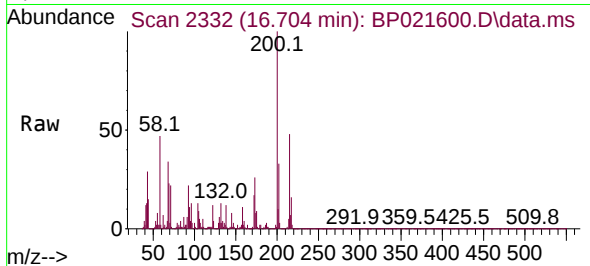
Tgt Ion:284 Resp: 1135270  
Ion Ratio Lower Upper  
284 100  
142 30.8 23.4 35.2  
249 29.8 24.1 36.1





#69  
Atrazine  
Concen: 40.417 ng  
RT: 16.704 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

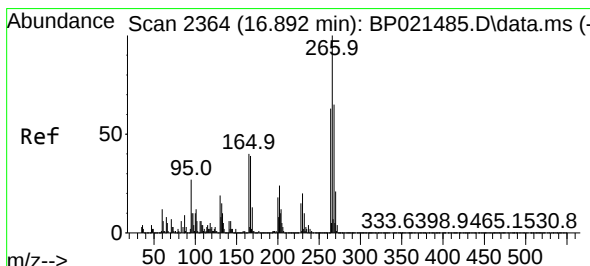
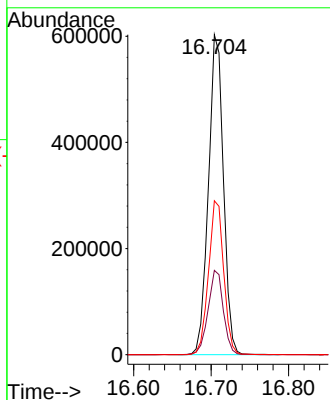
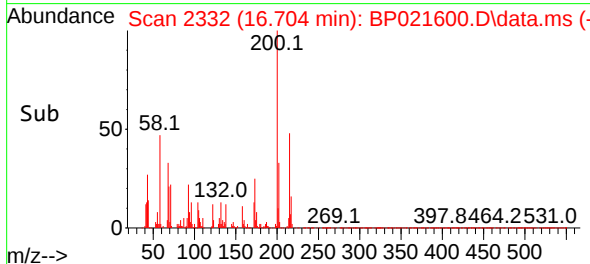
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:200 Resp: 80957  
Ion Ratio Lower Upper  
200 100  
173 26.3 6.2 46.2  
215 48.1 28.4 68.4

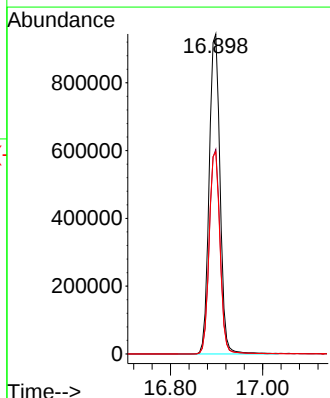
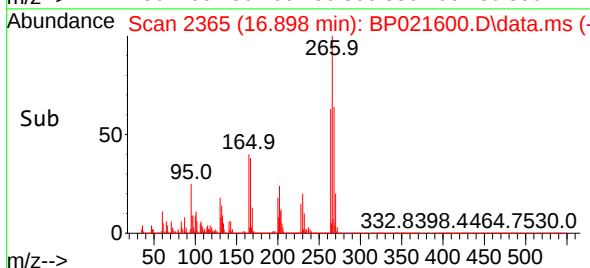
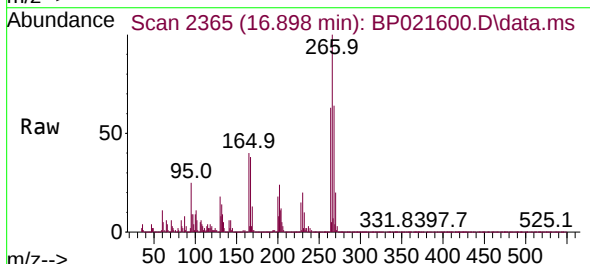
Manual Integrations  
APPROVED

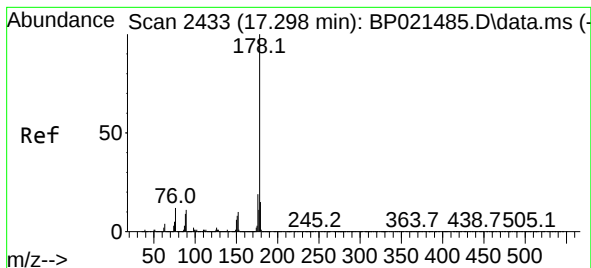
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#70  
Pentachlorophenol  
Concen: 104.418 ng  
RT: 16.898 min Scan# 2365  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:266 Resp: 1551817  
Ion Ratio Lower Upper  
266 100  
268 63.9 51.8 77.6  
264 63.2 50.5 75.7





#71

Phenanthrene

Concen: 45.617 ng

RT: 17.304 min Scan# 2433

Delta R.T. 0.006 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNP\_P

ClientSampleId :

PB162878BSD

Tgt Ion:178 Resp: 477602

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

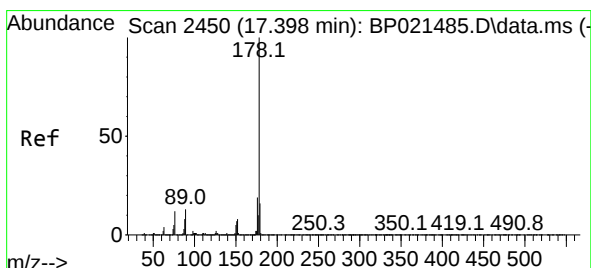
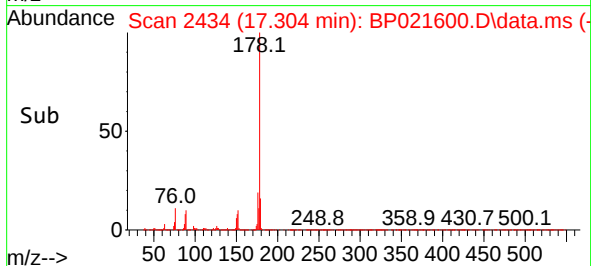
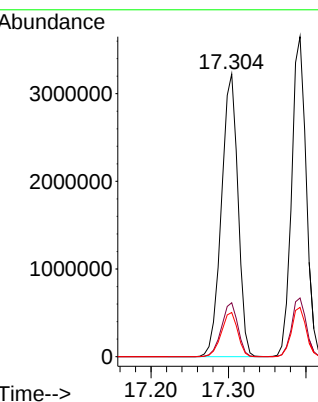
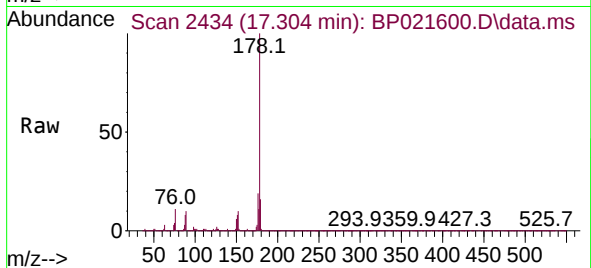
179 15.6 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#72

Anthracene

Concen: 46.391 ng

RT: 17.392 min Scan# 2449

Delta R.T. -0.006 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

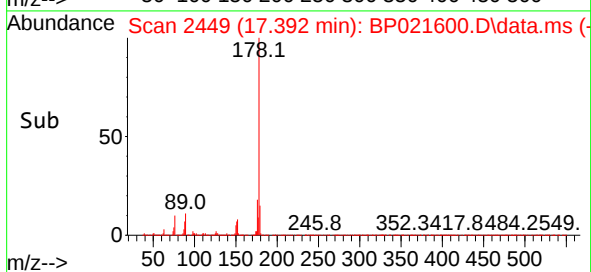
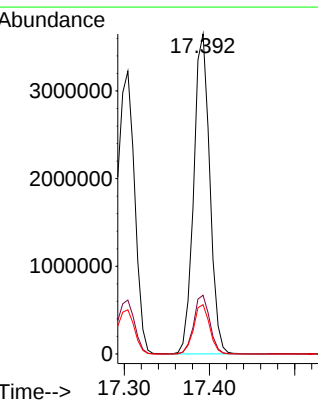
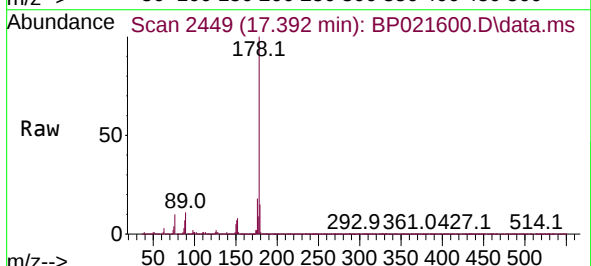
Tgt Ion:178 Resp: 4763470

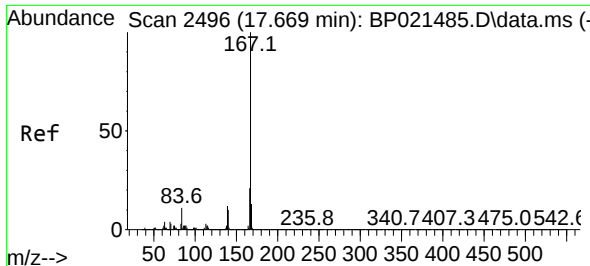
Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

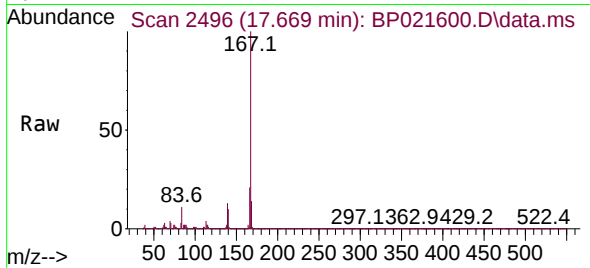
179 15.4 12.5 18.7





#73  
 Carbazole  
 Concen: 47.915 ng  
 RT: 17.669 min Scan# 2496  
 Delta R.T. -0.000 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42

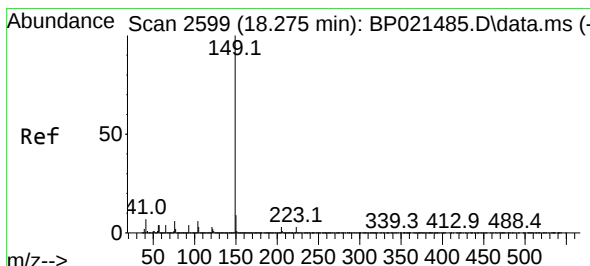
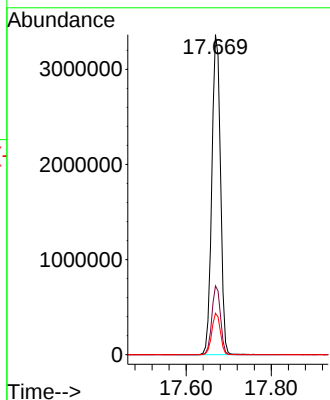
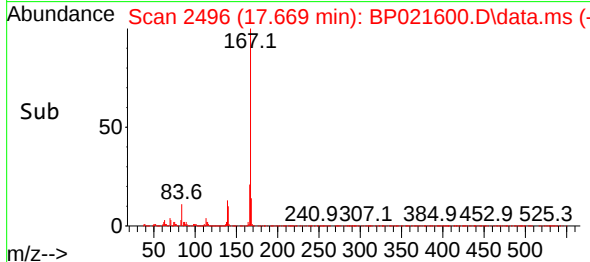
Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB162878BSD



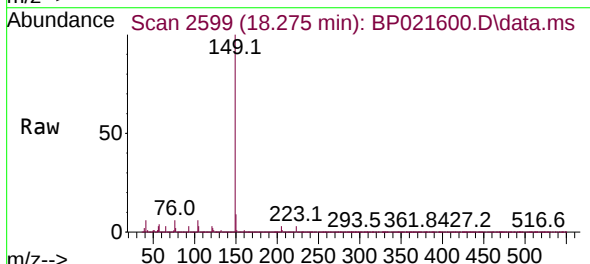
Tgt Ion:167 Resp: 4741405  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.0 25.4  
 139 13.0 9.9 14.9

Manual Integrations  
 APPROVED

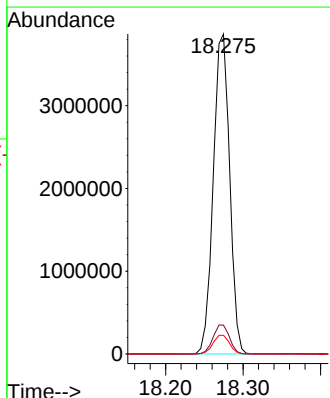
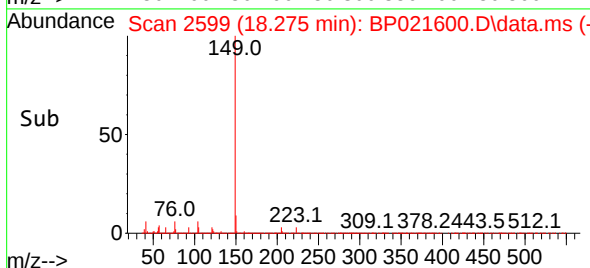
Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024

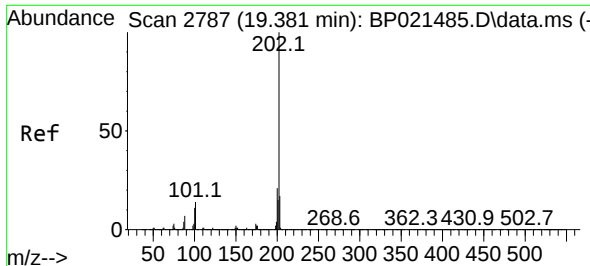


#74  
 Di-n-butylphthalate  
 Concen: 46.575 ng  
 RT: 18.275 min Scan# 2599  
 Delta R.T. -0.000 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42



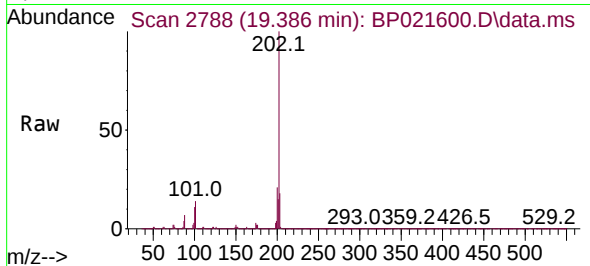
Tgt Ion:149 Resp: 5660253  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.5 11.3  
 104 5.8 4.9 7.3





#75  
Fluoranthene  
Concen: 47.462 ng  
RT: 19.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

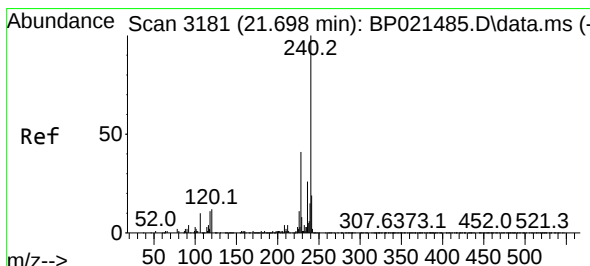
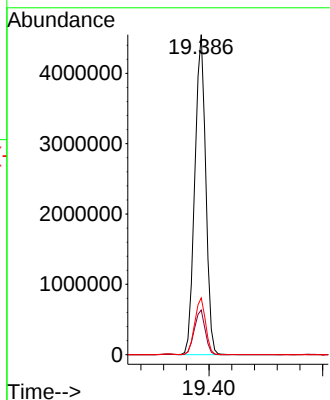
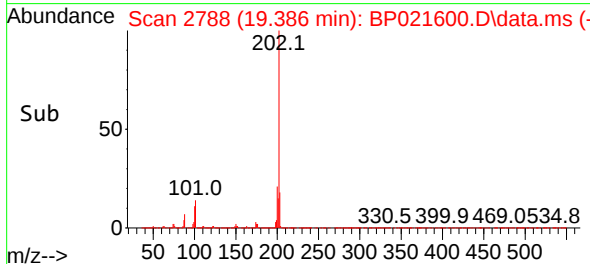
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:202 Resp: 609714  
Ion Ratio Lower Upper  
202 100  
101 14.0 0.0 34.0  
203 17.8 0.0 37.5

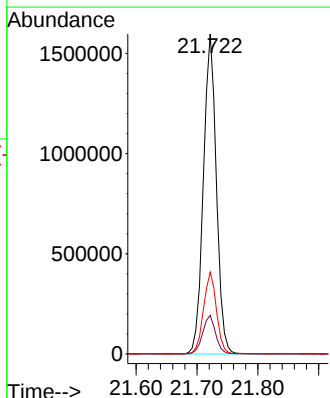
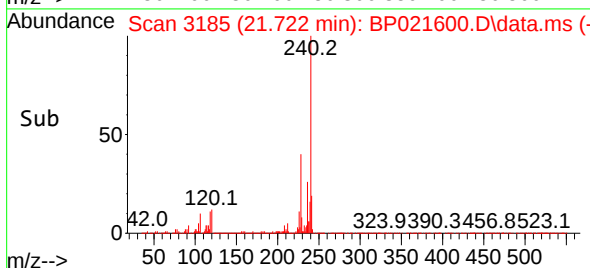
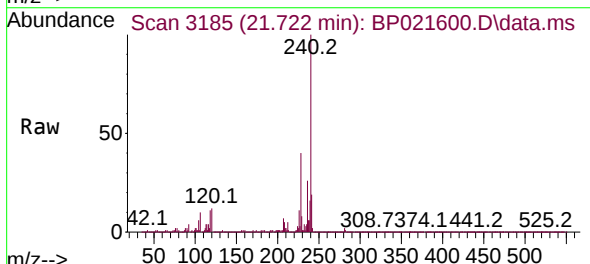
Manual Integrations  
APPROVED

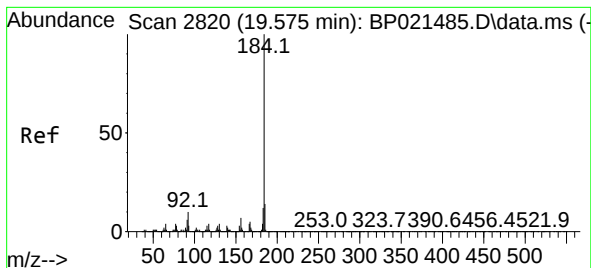
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.722 min Scan# 3185  
Delta R.T. 0.024 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

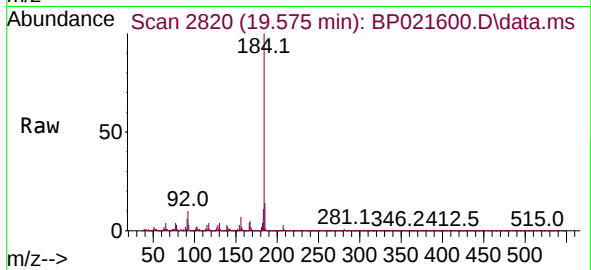
Tgt Ion:240 Resp: 2366812  
Ion Ratio Lower Upper  
240 100  
120 12.1 9.9 14.9  
236 25.6 20.6 30.8





#77  
Benzidine  
Concen: 22.246 ng  
RT: 19.575 min Scan# 2820  
Delta R.T. -0.000 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

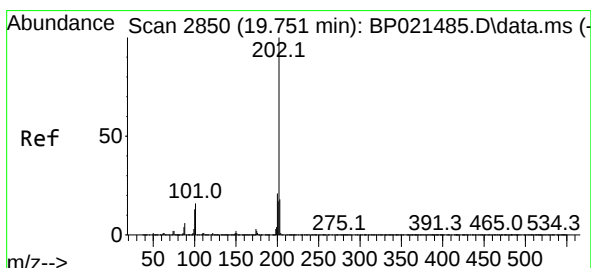
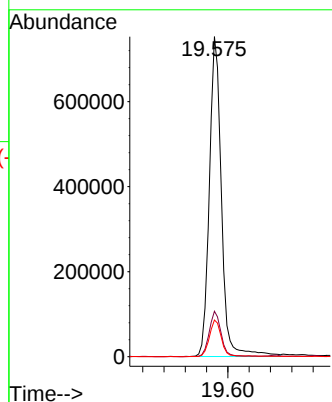
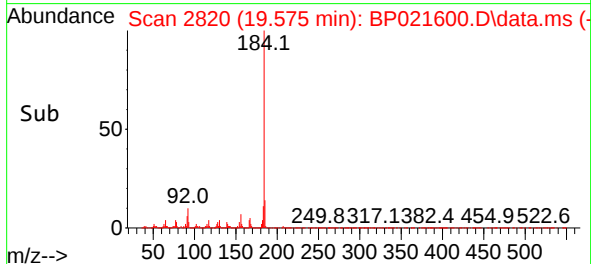
Instrument :  
BNA\_P  
ClientSampleId :  
PB162878BSD



Tgt Ion:184 Resp: 119117  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.0  
183 11.5 9.3 13.9

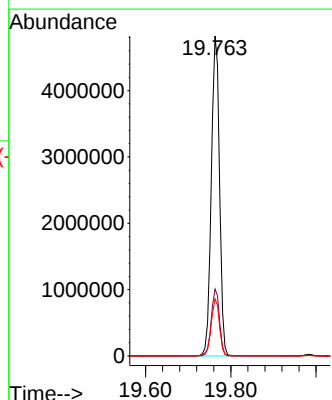
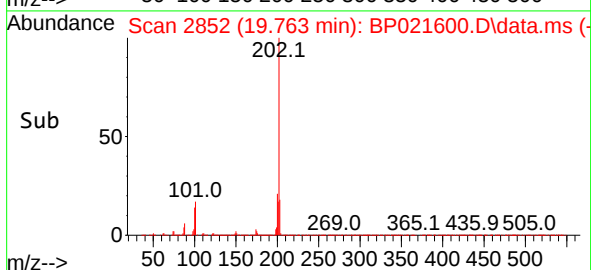
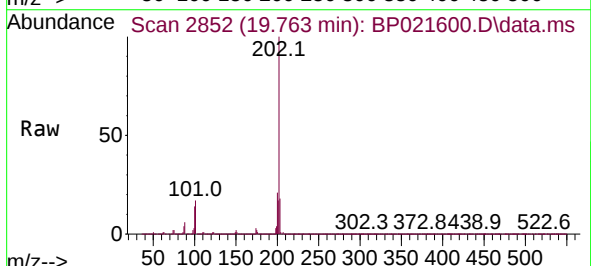
Manual Integrations  
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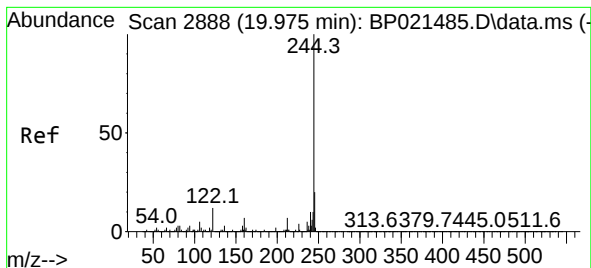
Reviewed By :Yogesh Patel 08/22/2024  
Supervised By :mohammad ahmed 08/22/2024



#78  
Pyrene  
Concen: 41.608 ng  
RT: 19.763 min Scan# 2852  
Delta R.T. 0.012 min  
Lab File: BP021600.D  
Acq: 21 Aug 2024 16:42

Tgt Ion:202 Resp: 6436660  
Ion Ratio Lower Upper  
202 100  
200 20.9 16.7 25.1  
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 79.030 ng

RT: 19.986 min Scan# 2888

Delta R.T. 0.011 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:244 Resp: 9628130

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

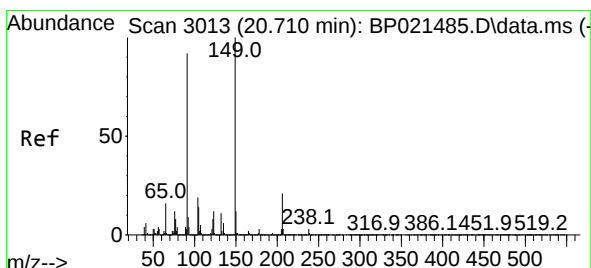
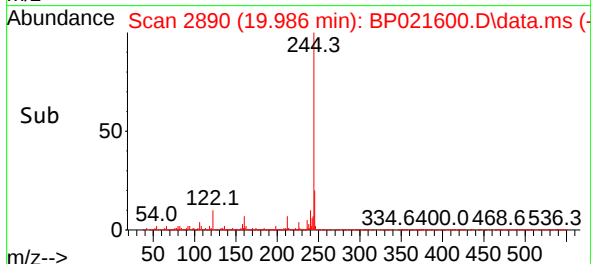
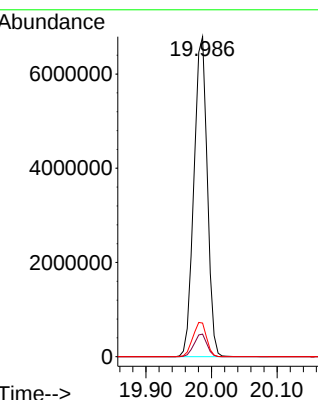
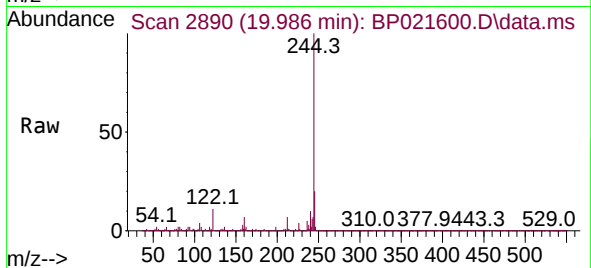
122 10.5 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#80

Butylbenzylphthalate

Concen: 50.303 ng

RT: 20.716 min Scan# 3014

Delta R.T. 0.006 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

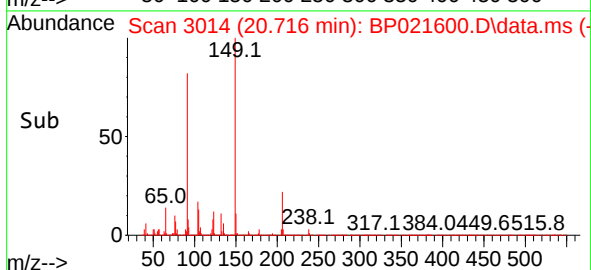
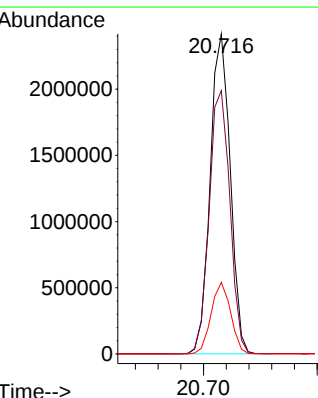
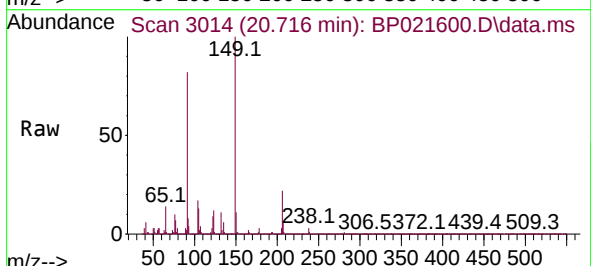
Tgt Ion:149 Resp: 2964433

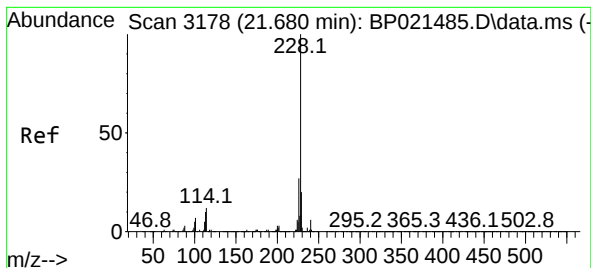
Ion Ratio Lower Upper

149 100

91 82.3 73.3 109.9

206 22.4 17.1 25.7





#81

Benzo(a)anthracene

Concen: 45.367 ng

RT: 21.698 min Scan# 31

Delta R.T. 0.018 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:228 Resp: 6740570

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

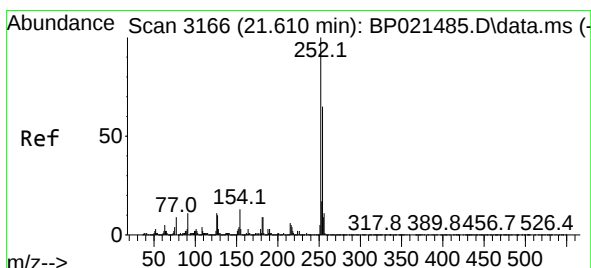
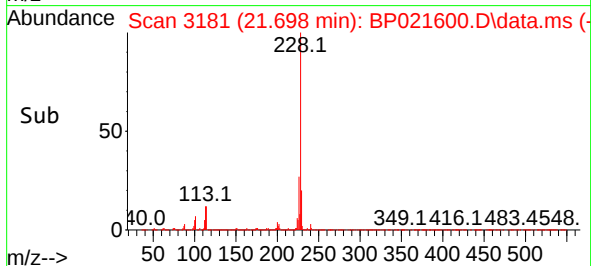
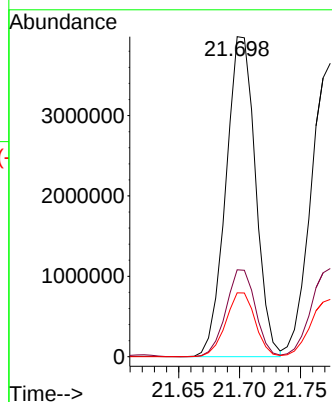
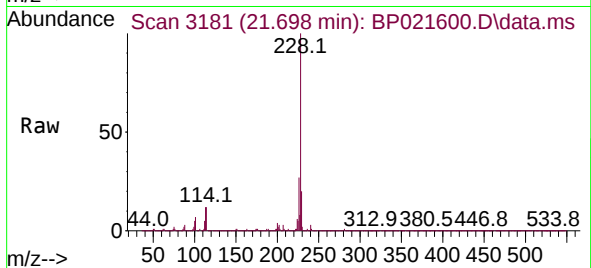
229 20.0 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#82

3,3'-Dichlorobenzidine

Concen: 43.319 ng

RT: 21.622 min Scan# 3168

Delta R.T. 0.012 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

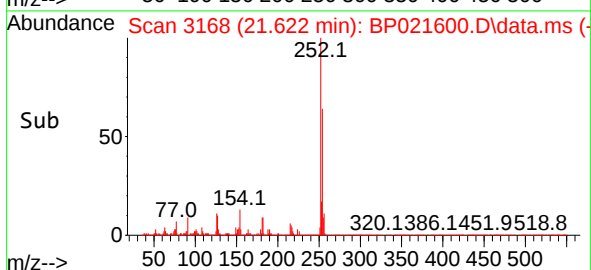
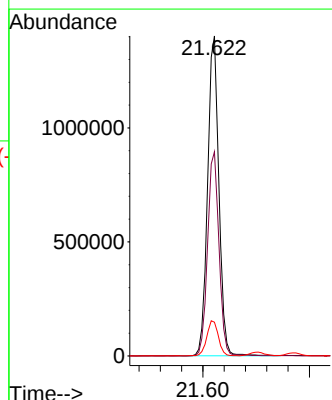
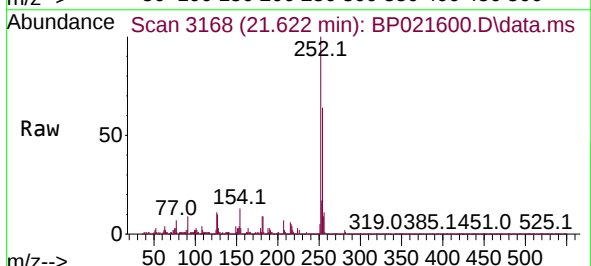
Tgt Ion:252 Resp: 2063647

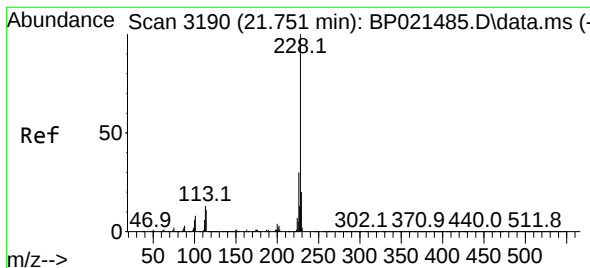
Ion Ratio Lower Upper

252 100

254 63.8 51.7 77.5

126 10.6 8.7 13.1





#83

Chrysene

Concen: 46.676 ng

RT: 21.775 min Scan# 3190

Delta R.T. 0.024 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:228 Resp: 654775

Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

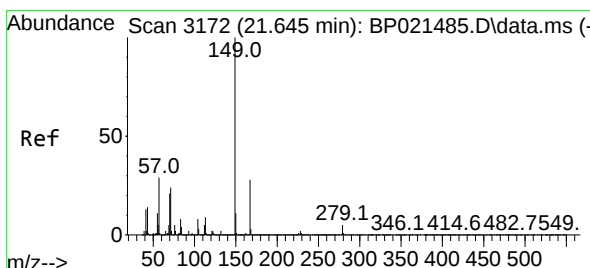
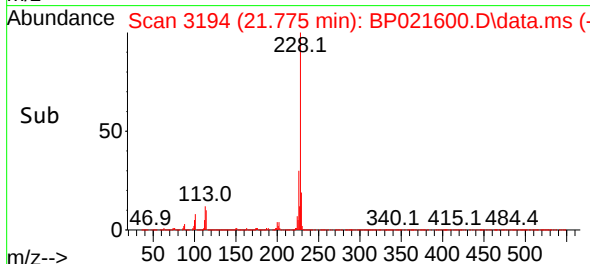
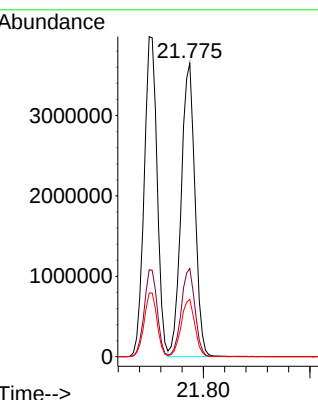
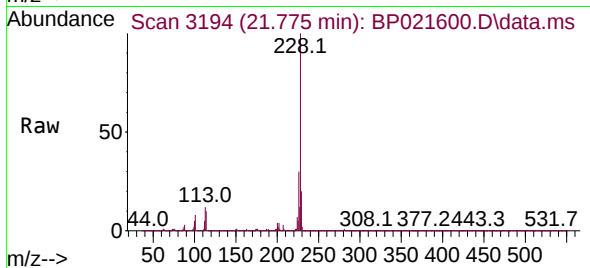
229 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.144 ng

RT: 21.651 min Scan# 3173

Delta R.T. 0.006 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

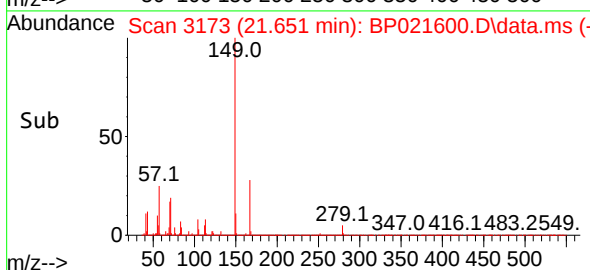
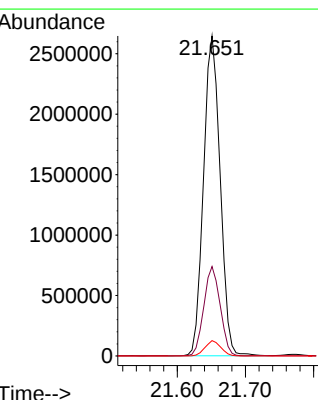
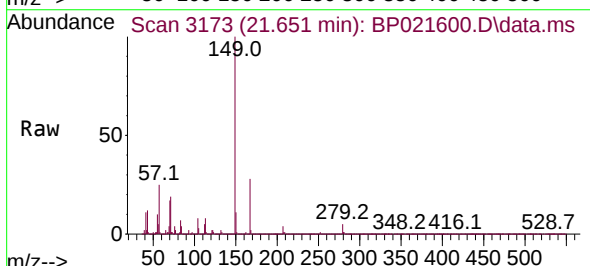
Tgt Ion:149 Resp: 4491255

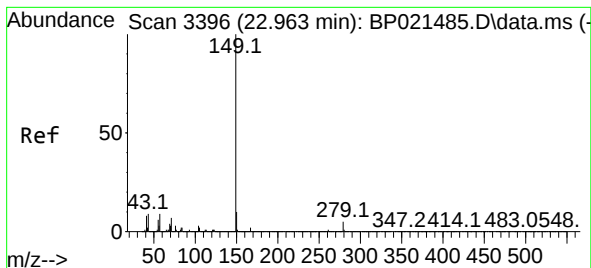
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

279 4.8 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 52.451 ng

RT: 22.974 min Scan# 31

Delta R.T. 0.011 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:149 Resp: 816803

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

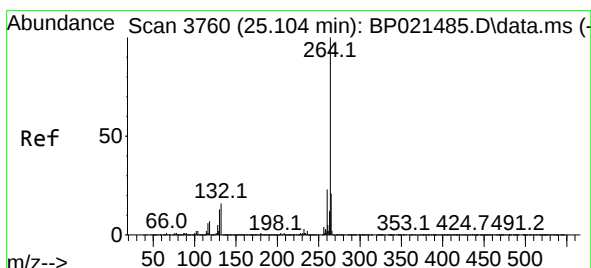
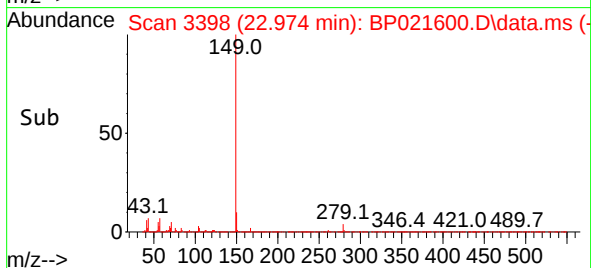
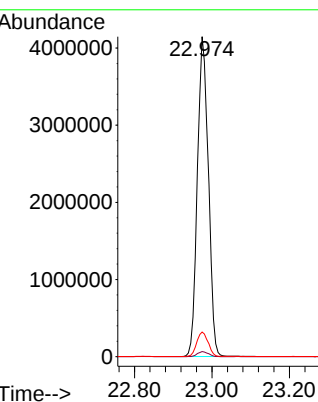
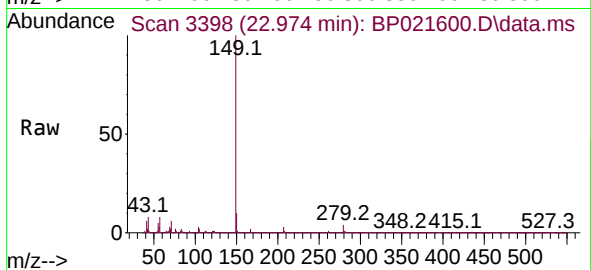
43 7.9 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.174 min Scan# 3772

Delta R.T. 0.071 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

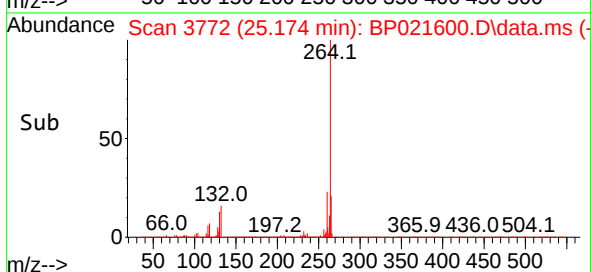
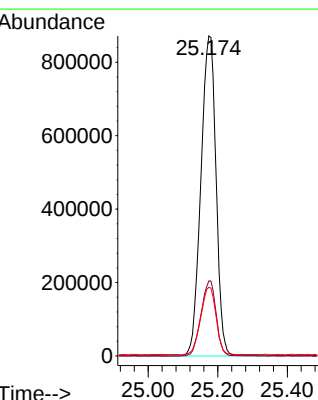
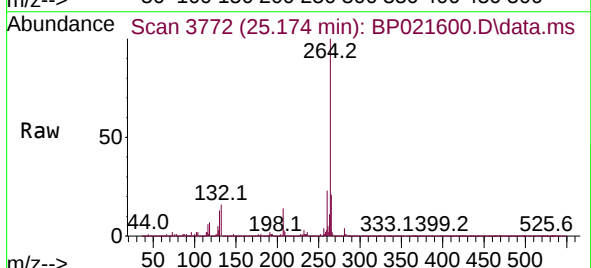
Tgt Ion:264 Resp: 2632836

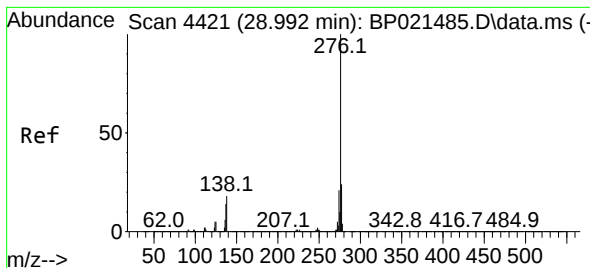
Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.554 ng m

RT: 29.080 min Scan# 4421

Delta R.T. 0.088 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:276 Resp: 8627738

Ion Ratio Lower Upper

276 100

138 16.1 12.8 19.2

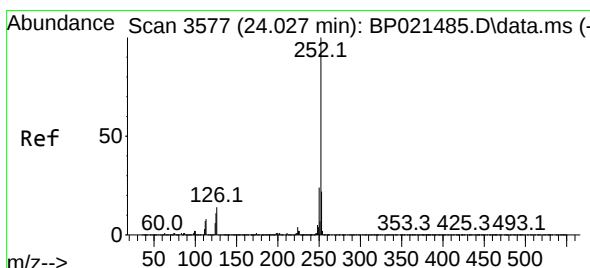
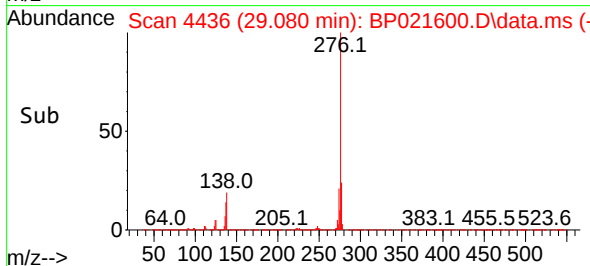
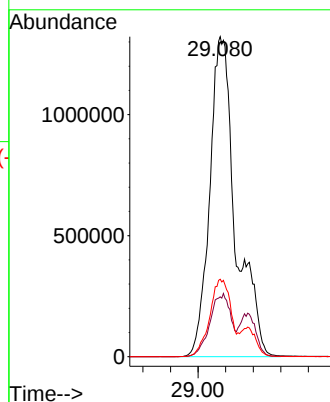
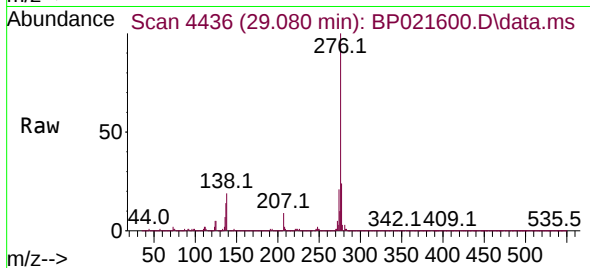
277 20.3 16.5 24.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#88

Benzo(b)fluoranthene

Concen: 47.889 ng

RT: 24.074 min Scan# 3585

Delta R.T. 0.047 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

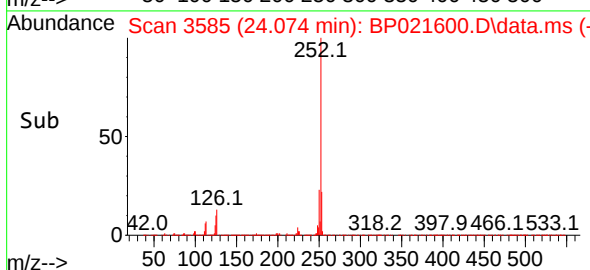
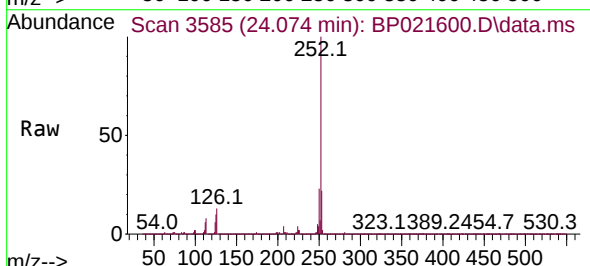
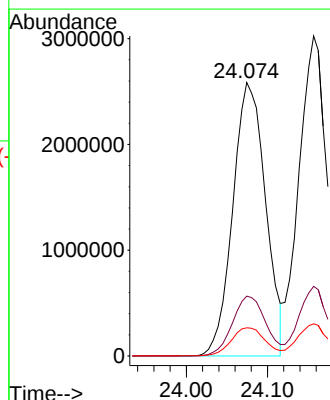
Tgt Ion:252 Resp: 7241236

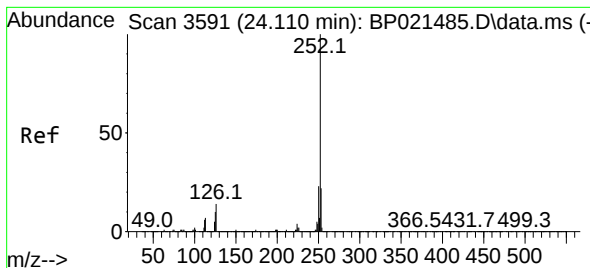
Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.3 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 49.410 ng

RT: 24.157 min Scan# 3591

Delta R.T. 0.047 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

Instrument :

BNA\_P

ClientSampleId :

PB162878BSD

Tgt Ion:252 Resp: 7288340

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

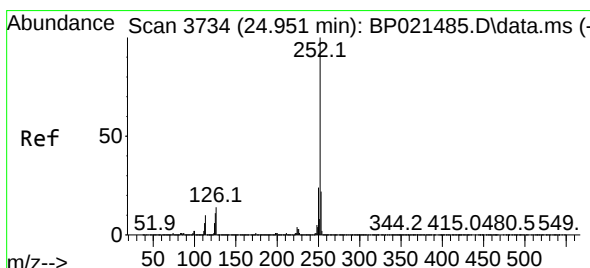
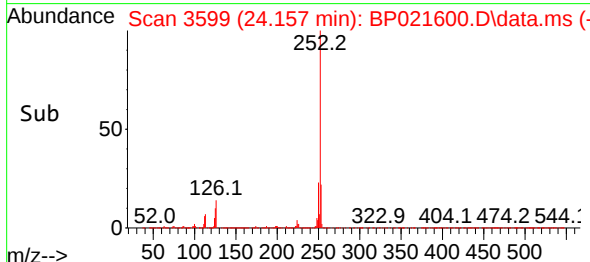
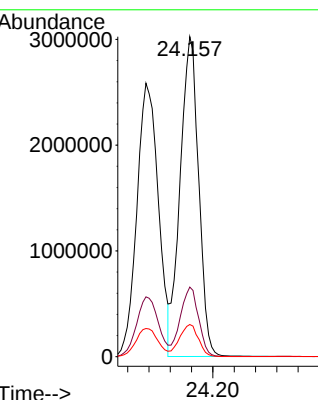
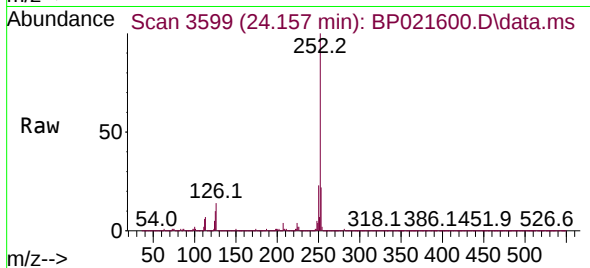
125 10.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2024

Supervised By :mohammad ahmed 08/22/2024



#90

Benzo(a)pyrene

Concen: 51.645 ng

RT: 25.010 min Scan# 3744

Delta R.T. 0.059 min

Lab File: BP021600.D

Acq: 21 Aug 2024 16:42

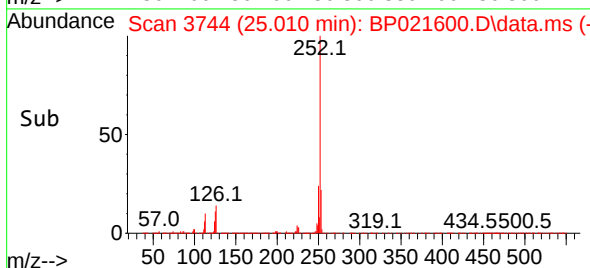
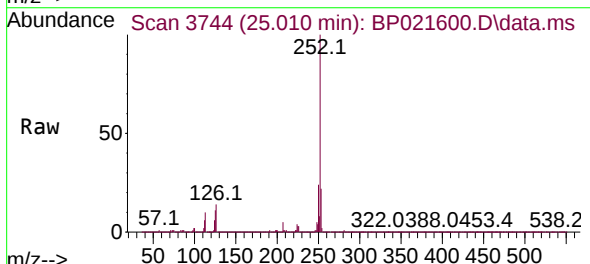
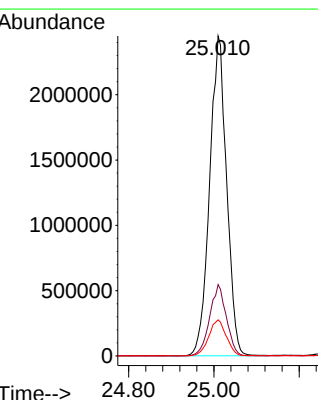
Tgt Ion:252 Resp: 6776841

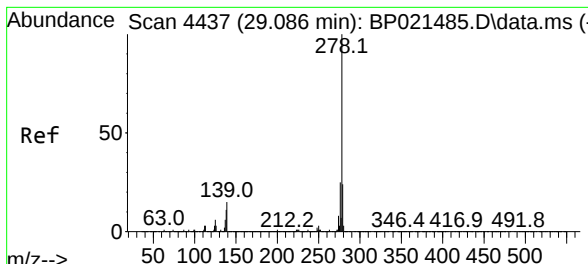
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.3 8.7 13.1





#91  
 Dibenzo(a,h)anthracene  
 Concen: 50.068 ng  
 RT: 29.186 min Scan# 4437  
 Delta R.T. 0.100 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42

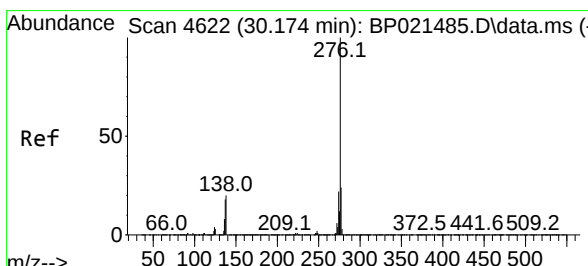
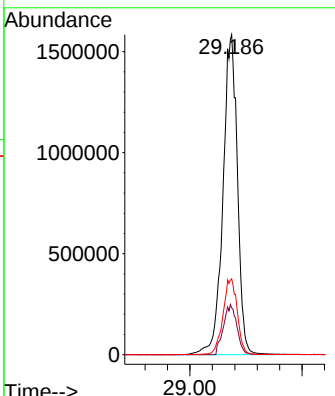
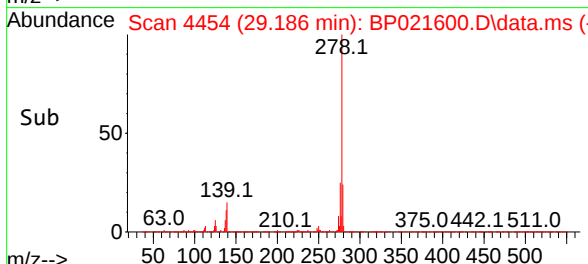
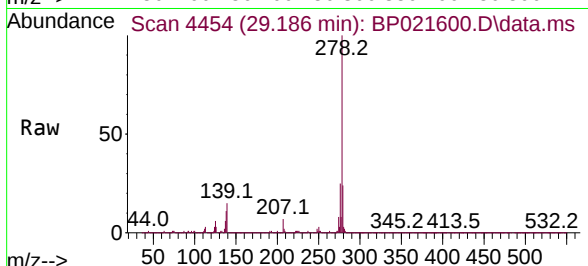
Instrument : BNA\_P  
 ClientSampleId : PB162878BSD

Tgt Ion: 278 Resp: 7099699

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 14.6  | 12.2  | 18.4  |
| 279 | 23.7  | 19.1  | 28.7  |

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/22/2024  
 Supervised By :mohammad ahmed 08/22/2024



#92  
 Benzo(g,h,i)perylene  
 Concen: 47.983 ng  
 RT: 30.292 min Scan# 4642  
 Delta R.T. 0.118 min  
 Lab File: BP021600.D  
 Acq: 21 Aug 2024 16:42

Tgt Ion: 276 Resp: 6819614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 19.0  | 28.6  |
| 138 | 20.2  | 16.0  | 24.0  |

