

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042324\  
 Data File : BG061014.D  
 Acq On : 23 Apr 2024 19:21  
 Operator : MA/JU  
 Sample : P2166-03MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 RPI-SS-DUP-01MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/27/2024

Quant Time: Apr 24 00:15:46 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG042024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 22 04:22:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.943  | 152  | 25663    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.740 | 136  | 98949    | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.570 | 164  | 76463    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.320 | 188  | 183898   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.586 | 240  | 185231   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.706 | 264  | 228747   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 156395   | 123.270 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.120  | 99   | 207044   | 109.987 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 9.100  | 82   | 145005   | 65.841  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.063 | 330  | 180742   | 107.644 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.196 | 172  | 387542   | 70.147  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.941 | 244  | 746144   | 62.527  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.454  | 88   | 14889    | 33.909  | ng    | 97       |
| 3) Pyridine                   | 3.836  | 79   | 40276    | 29.675  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.754  | 42   | 44723    | 36.637  | ng    | 99       |
| 6) Aniline                    | 7.267  | 93   | 31530    | 13.936  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.514  | 128  | 74052    | 46.844  | ng    | 99       |
| 9) Benzaldehyde               | 7.085  | 77   | 3457     | 3.570   | ng    | 94       |
| 10) Phenol                    | 7.144  | 94   | 85256    | 45.585  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.367  | 93   | 55204    | 41.256  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.831  | 146  | 83952    | 47.889  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.978  | 146  | 85515    | 47.358  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.295  | 146  | 83297    | 47.201  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.178  | 79   | 72238    | 40.644  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.460  | 45   | 122793   | 42.156  | ng    | 100      |
| 17) 2-Methylphenol            | 8.389  | 107  | 58671    | 38.852  | ng    | 97       |
| 18) Hexachloroethane          | 9.024  | 117  | 31507    | 48.423  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.748  | 70   | 52095    | 37.134  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.718  | 107  | 82777    | 39.194  | ng    | 99       |
| 22) Acetophenone              | 8.765  | 105  | 113031   | 40.909  | ng    | # 91     |
| 24) Nitrobenzene              | 9.142  | 77   | 85685    | 40.489  | ng    | 98       |
| 25) Isophorone                | 9.664  | 82   | 142016   | 38.532  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.852  | 139  | 42596    | 42.827  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.917  | 122  | 53160    | 33.346  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 10.146 | 93   | 74942    | 38.653  | ng    | 91       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 80676    | 43.847  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.605 | 180  | 97738    | 48.144  | ng    | 96       |
| 31) Naphthalene               | 10.793 | 128  | 232942   | 43.000  | ng    | 98       |
| 32) Benzoic acid              | 10.076 | 122  | 53523m   | 44.063  | ng    |          |
| 33) 4-Chloroaniline           | 10.892 | 127  | 30414    | 12.359  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.080 | 225  | 84569    | 47.368  | ng    | 94       |
| 35) Caprolactam               | 11.674 | 113  | 21913m   | 37.391  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.026 | 107  | 87531    | 40.789  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.397 | 142  | 167704   | 39.373  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.614 | 142  | 156683   | 39.420  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.767 | 216  | 139492   | 51.335  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.749 | 237  | 103698   | 64.857  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.008 | 196  | 85968    | 48.129  | ng    | 97       |

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Manual Integrations  
 APPROVED

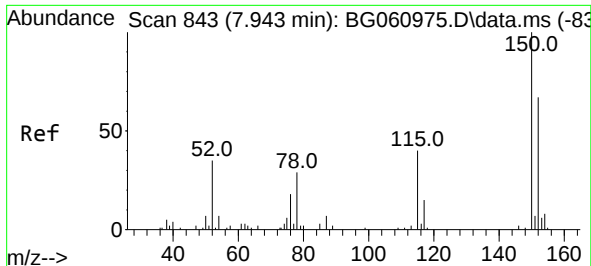
Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/27/2024

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.084 | 196  | 93203    | 44.111 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 13.407 | 154  | 245671   | 47.699 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 13.448 | 162  | 191283   | 48.438 | ng    | 98       |
| 48) 2-Nitroaniline            | 13.648 | 65   | 65370    | 41.016 | ng    | 99       |
| 49) Acenaphthylene            | 14.294 | 152  | 314005   | 47.213 | ng    | 98       |
| 50) Dimethylphthalate         | 14.030 | 163  | 261118   | 41.413 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.147 | 165  | 54452    | 41.389 | ng    | 98       |
| 52) Acenaphthene              | 14.635 | 154  | 176109   | 43.578 | ng    | 94       |
| 53) 3-Nitroaniline            | 14.471 | 138  | 33473    | 25.803 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 14.682 | 184  | 42526    | 51.729 | ng    | 98       |
| 55) Dibenzofuran              | 14.976 | 168  | 302371   | 43.330 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.800 | 139  | 86203    | 92.752 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 14.935 | 165  | 80599    | 42.537 | ng    | 97       |
| 58) Fluorene                  | 15.622 | 166  | 249656   | 42.386 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.199 | 232  | 94500    | 44.314 | ng    | # 99     |
| 60) Diethylphthalate          | 15.399 | 149  | 256094   | 41.243 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.616 | 204  | 152298   | 41.924 | ng    | 96       |
| 62) 4-Nitroaniline            | 15.640 | 138  | 48343    | 34.560 | ng    | 95       |
| 63) Azobenzene                | 15.910 | 77   | 210224   | 41.624 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 34048    | 29.985 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 15.834 | 169  | 223207   | 44.056 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.509 | 248  | 111829   | 46.077 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.627 | 284  | 134018   | 49.992 | ng    | 98       |
| 69) Atrazine                  | 16.785 | 200  | 99378    | 52.408 | ng    | 98       |
| 70) Pentachlorophenol         | 16.974 | 266  | 171635   | 97.638 | ng    | 98       |
| 71) Phenanthrene              | 17.361 | 178  | 409979   | 43.676 | ng    | 99       |
| 72) Anthracene                | 17.455 | 178  | 418091   | 43.247 | ng    | 98       |
| 73) Carbazole                 | 17.720 | 167  | 358219   | 44.616 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.290 | 149  | 412938   | 42.362 | ng    | 99       |
| 75) Fluoranthene              | 19.377 | 202  | 528819   | 42.450 | ng    | 97       |
| 77) Benzidine                 | 19.553 | 184  | 148675   | 43.319 | ng    | 98       |
| 78) Pyrene                    | 19.735 | 202  | 540702   | 42.871 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.634 | 149  | 177041   | 42.115 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.562 | 228  | 587466   | 45.110 | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 21.480 | 252  | 146800   | 31.191 | ng    | 99       |
| 83) Chrysene                  | 21.627 | 228  | 547540   | 44.161 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.486 | 149  | 257231   | 42.088 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.673 | 149  | 438043   | 43.170 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.260 | 276  | 718610m  | 45.286 | ng    |          |
| 88) Benzo(b)fluoranthene      | 23.724 | 252  | 590602   | 45.561 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.789 | 252  | 600585   | 45.896 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.565 | 252  | 556549   | 44.356 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.325 | 278  | 598726   | 46.182 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.365 | 276  | 506086   | 39.370 | ng    | 94       |

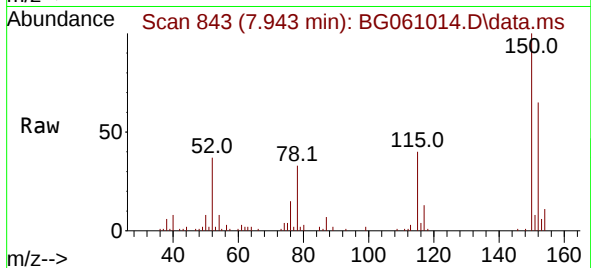
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.943 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

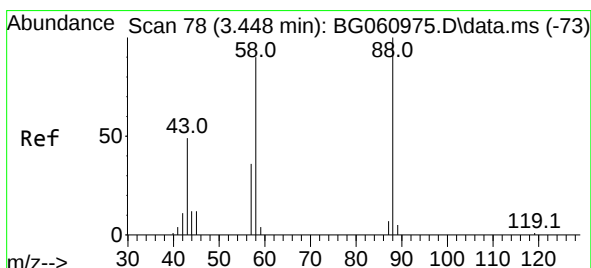
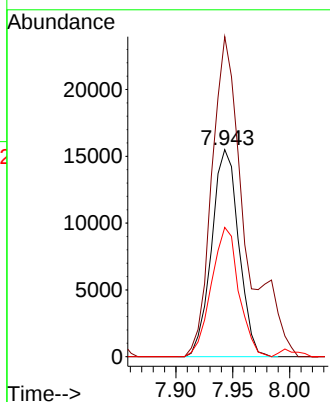
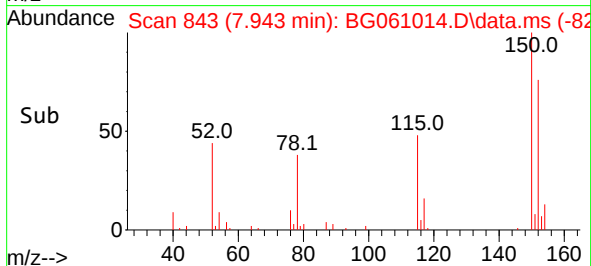
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:152 Resp: 2566  
Ion Ratio Lower Upper  
152 100  
150 154.5 118.6 178.0  
115 62.4 47.4 71.0

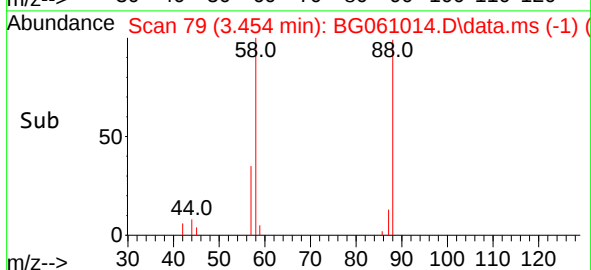
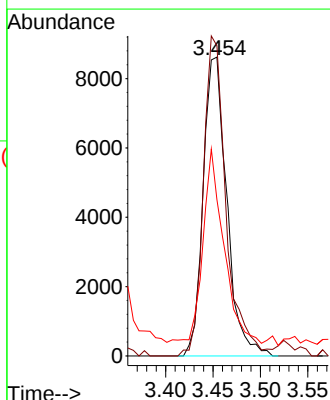
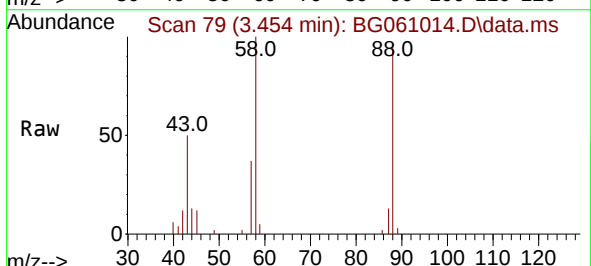
Manual Integrations  
APPROVED

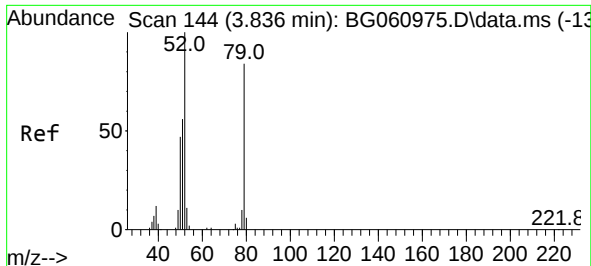
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#2  
1,4-Dioxane  
Concen: 33.909 ng  
RT: 3.454 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

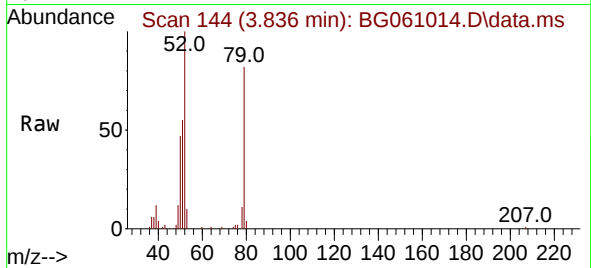
Tgt Ion: 88 Resp: 14889  
Ion Ratio Lower Upper  
88 100  
58 103.1 80.2 120.2  
43 57.2 43.4 65.0





#3  
Pyridine  
Concen: 29.675 ng  
RT: 3.836 min Scan# 144  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

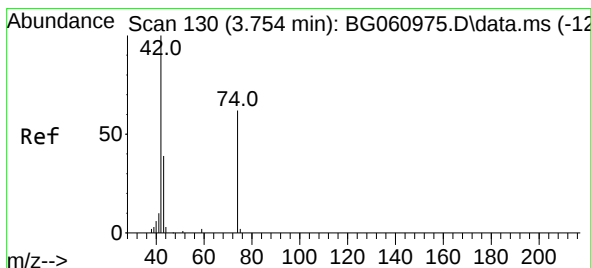
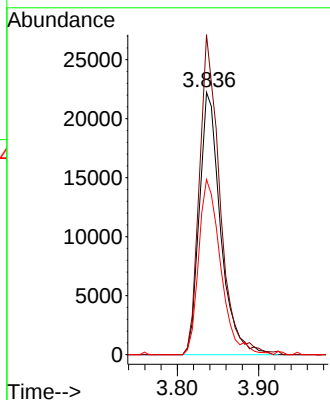
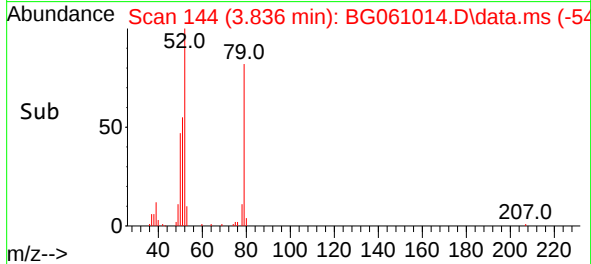
Instrument :  
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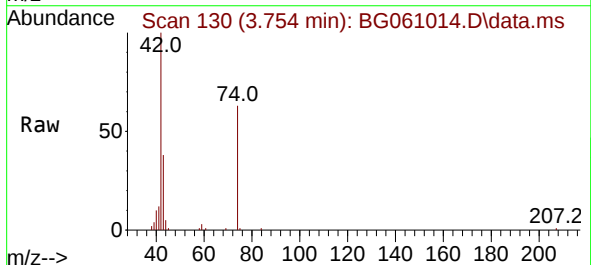
Tgt Ion: 79 Resp: 40270  
Ion Ratio Lower Upper  
79 100  
52 121.9 95.0 142.6  
51 66.8 53.3 79.9

Manual Integrations  
APPROVED

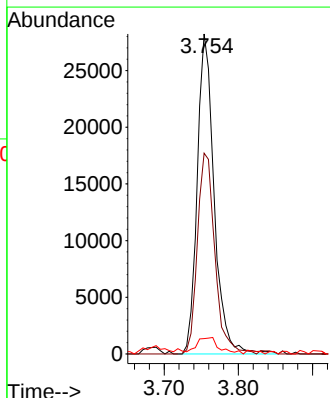
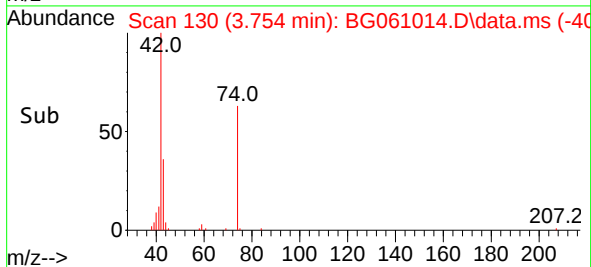
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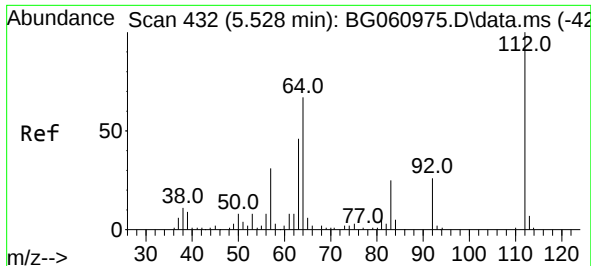


#4  
n-Nitrosodimethylamine  
Concen: 36.637 ng  
RT: 3.754 min Scan# 130  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



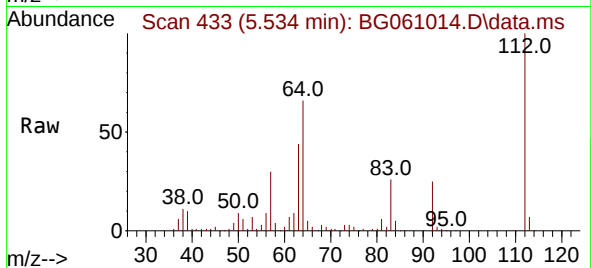
Tgt Ion: 42 Resp: 44723  
Ion Ratio Lower Upper  
42 100  
74 62.7 49.8 74.6  
44 4.8 3.8 5.6





#5  
2-Fluorophenol  
Concen: 123.270 ng  
RT: 5.534 min Scan# 411  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

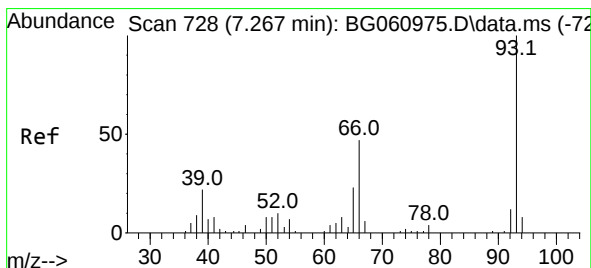
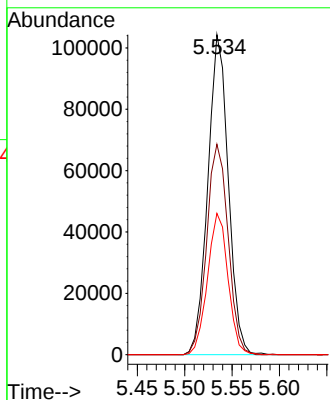
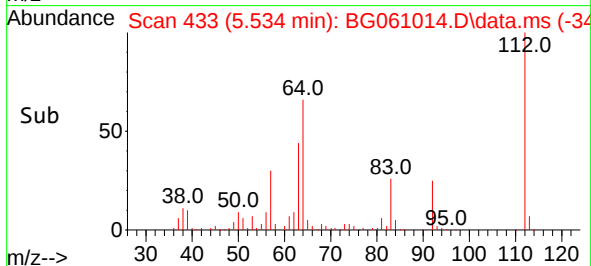
Instrument :  
BNA\_G  
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Tgt Ion:112 Resp: 15639  
Ion Ratio Lower Upper  
112 100  
64 65.7 53.7 80.5  
63 44.1 37.0 55.6

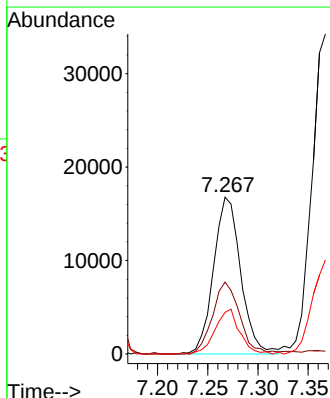
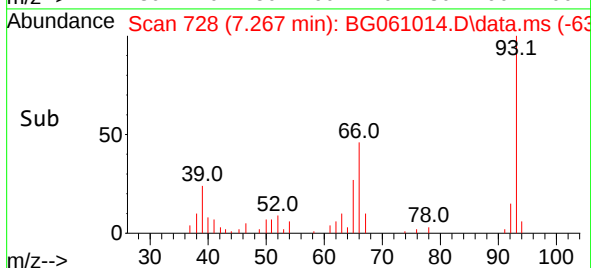
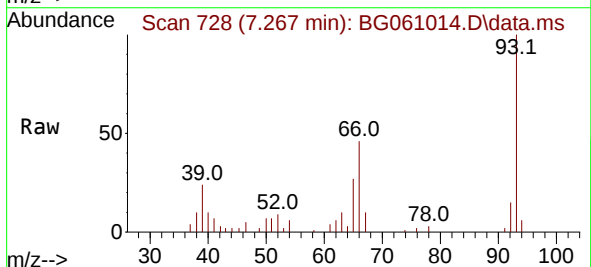
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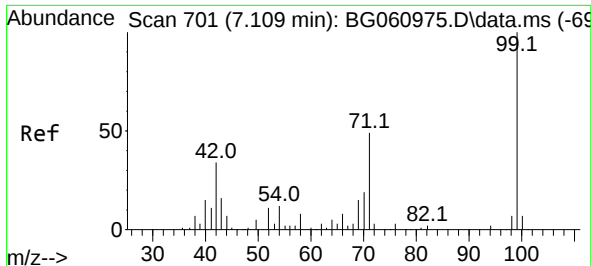
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#6  
Aniline  
Concen: 13.936 ng  
RT: 7.267 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

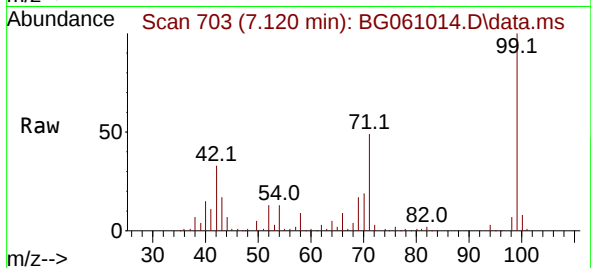
Tgt Ion: 93 Resp: 31530  
Ion Ratio Lower Upper  
93 100  
66 45.8 37.9 56.9  
65 26.5 18.2 27.4





#7  
Phenol-d6  
Concen: 109.987 ng  
RT: 7.120 min Scan# 701  
Delta R.T. 0.012 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

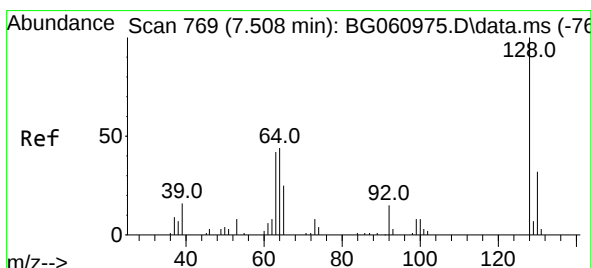
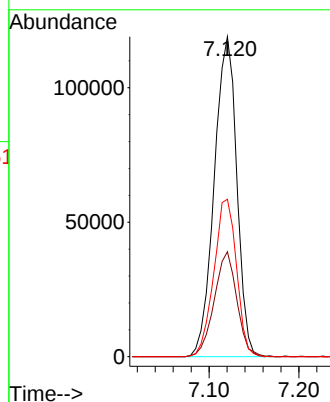
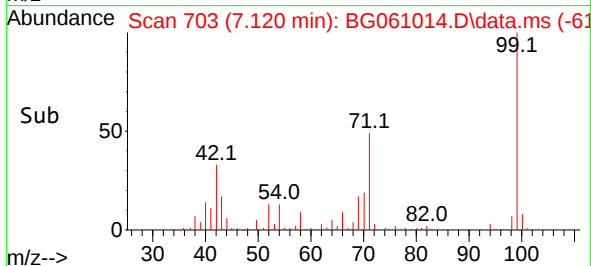
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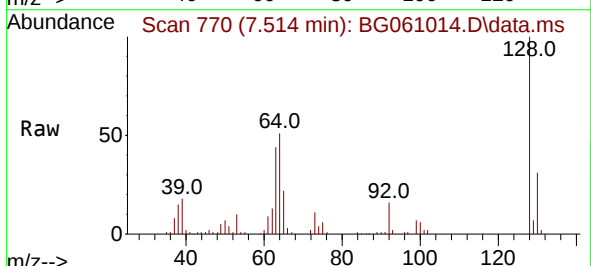
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Ion Ratio Lower Upper  
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42 32.8 27.2 40.8  
71 49.2 38.8 58.2

Manual Integrations  
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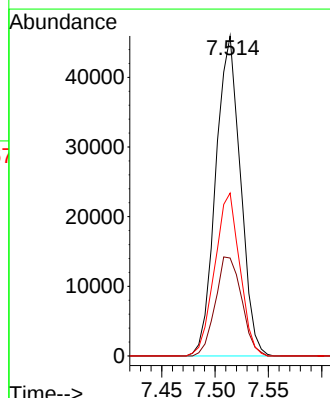
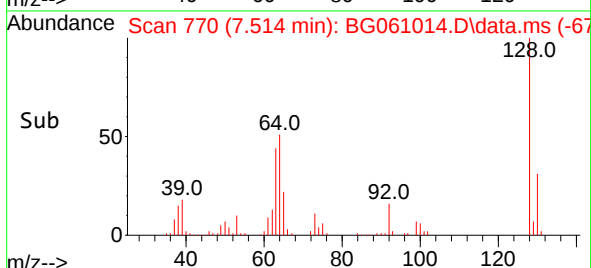
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Supervised By :mohammad ahmed 04/27/2024

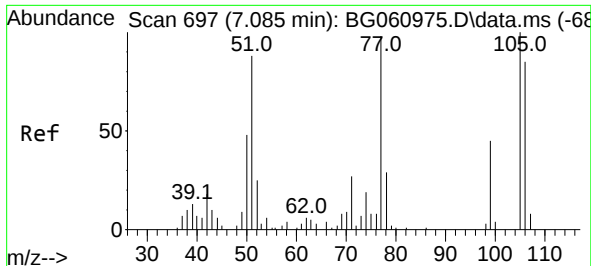


#8  
2-Chlorophenol  
Concen: 46.844 ng  
RT: 7.514 min Scan# 770  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



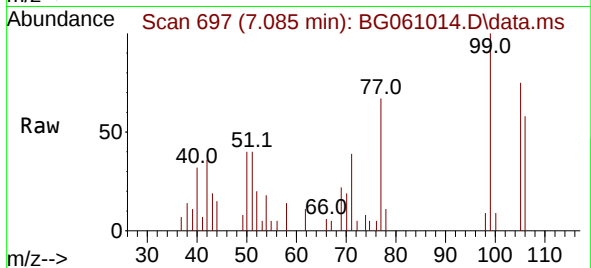
Tgt Ion:128 Resp: 74052  
Ion Ratio Lower Upper  
128 100  
130 30.6 12.2 52.2  
64 50.9 30.8 70.8





#9  
Benzaldehyde  
Concen: 3.570 ng  
RT: 7.085 min Scan# 697  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

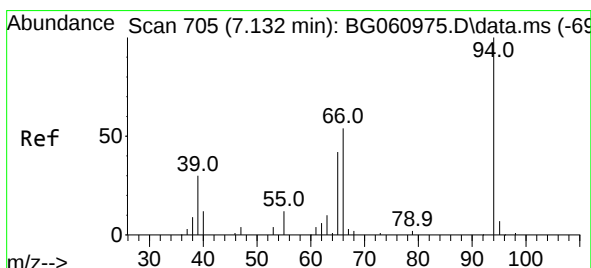
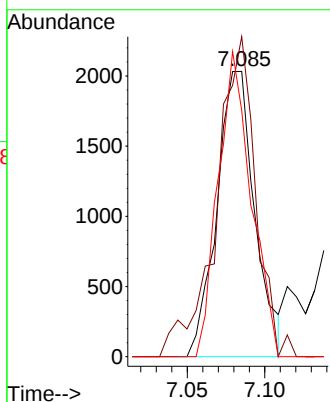
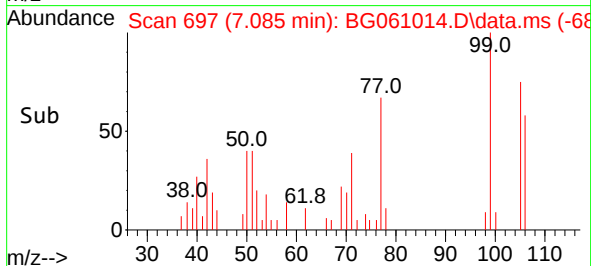
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion: 77 Resp: 345  
Ion Ratio Lower Upper  
77 100  
105 112.1 81.7 121.7  
106 86.3 66.7 106.7

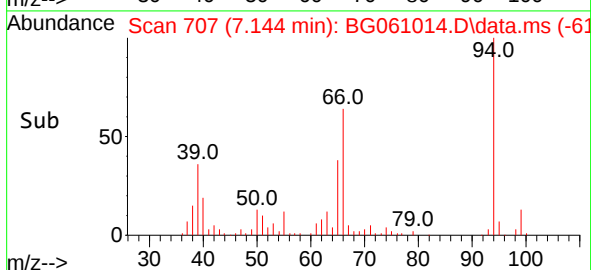
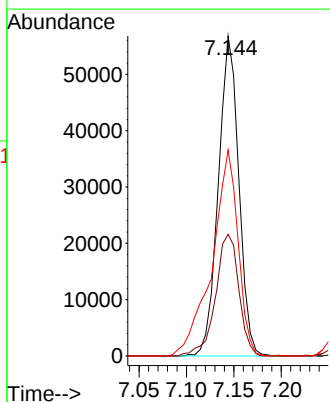
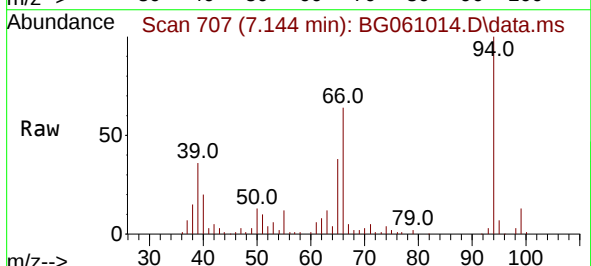
Manual Integrations  
APPROVED

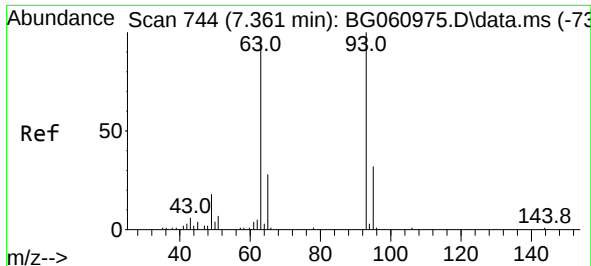
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#10  
Phenol  
Concen: 45.585 ng  
RT: 7.144 min Scan# 707  
Delta R.T. 0.012 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion: 94 Resp: 85256  
Ion Ratio Lower Upper  
94 100  
65 38.0 23.1 63.1  
66 64.4 38.0 78.0





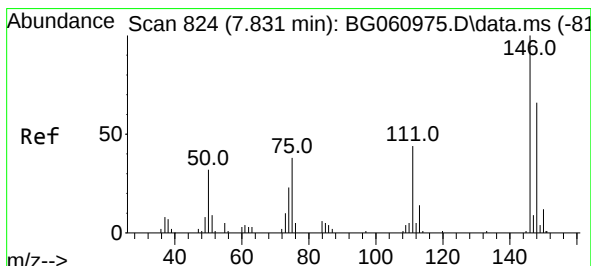
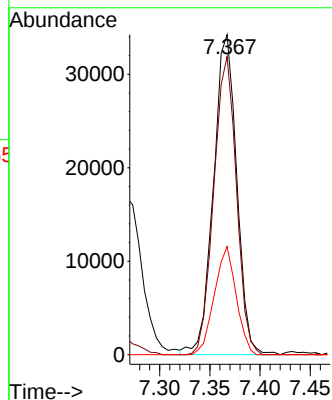
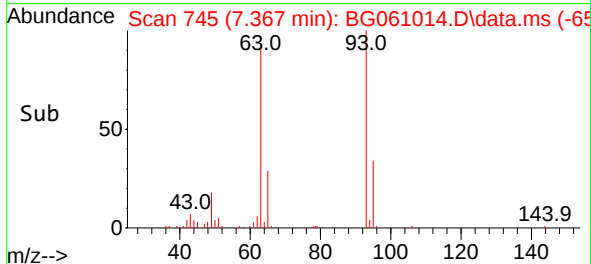
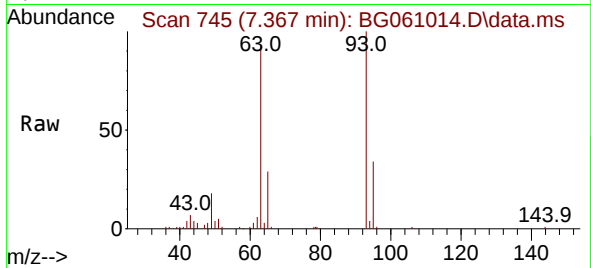
#11  
bis(2-Chloroethyl)ether  
Concen: 41.256 ng  
RT: 7.367 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion: 93 Resp: 55204  
Ion Ratio Lower Upper  
93 100  
63 93.2 75.6 115.6  
95 33.8 12.1 52.1

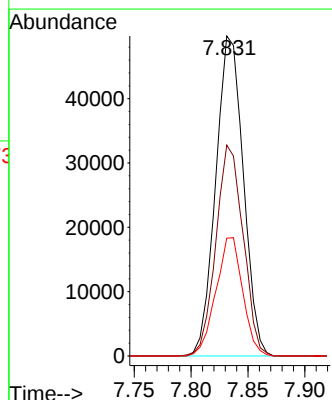
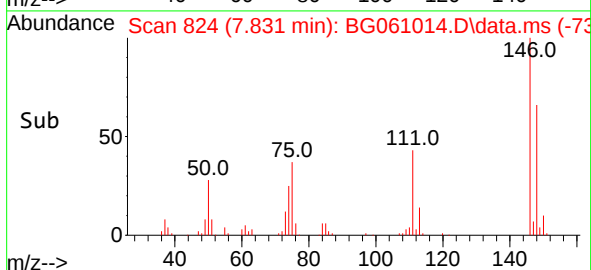
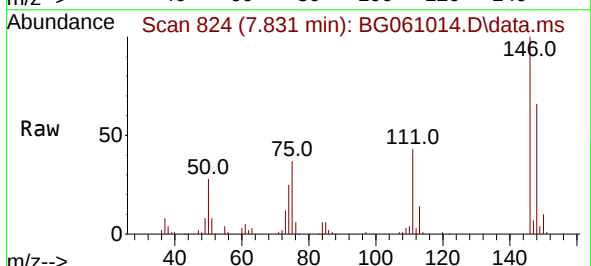
Manual Integrations  
APPROVED

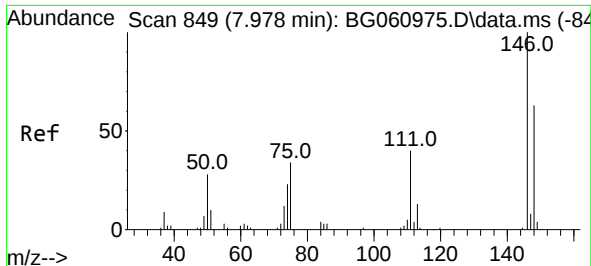
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#12  
1,3-Dichlorobenzene  
Concen: 47.889 ng  
RT: 7.831 min Scan# 824  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

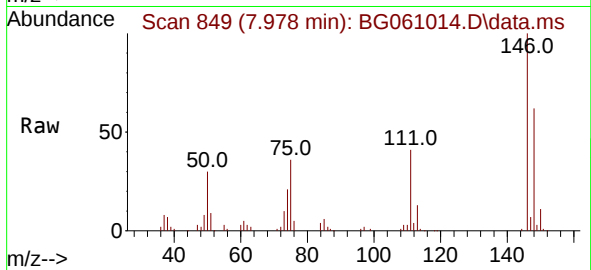
Tgt Ion:146 Resp: 83952  
Ion Ratio Lower Upper  
146 100  
148 65.9 52.7 79.1  
75 36.8 30.1 45.1





#13  
1,4-Dichlorobenzene  
Concen: 47.358 ng  
RT: 7.978 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

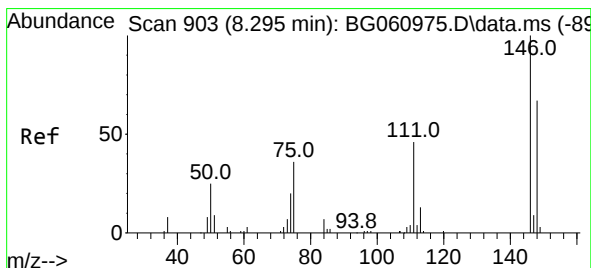
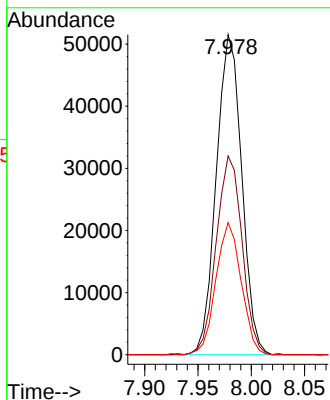
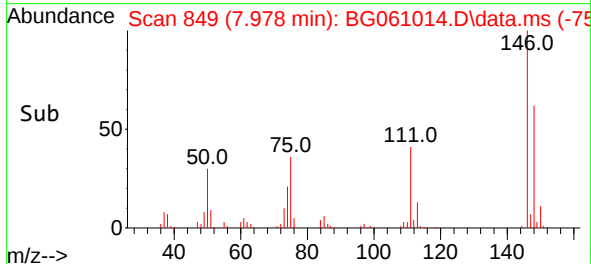
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



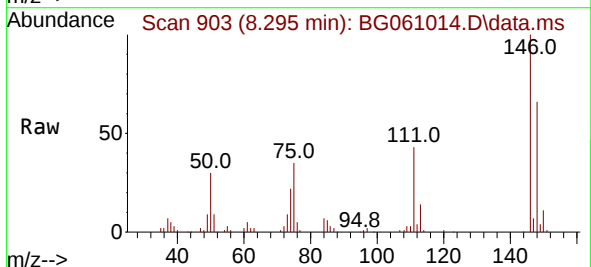
Tgt Ion:146 Resp: 8551  
Ion Ratio Lower Upper  
146 100  
148 62.1 50.4 75.6  
111 41.3 32.7 49.1

Manual Integrations  
APPROVED

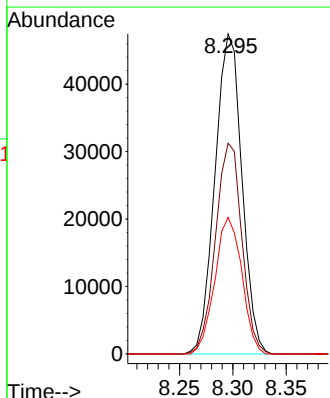
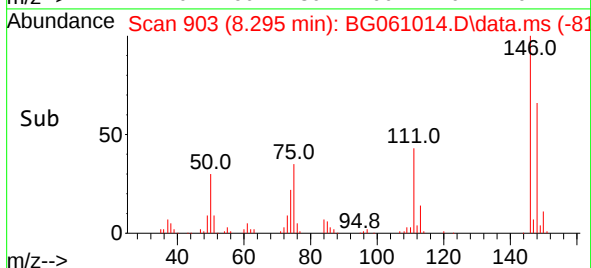
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

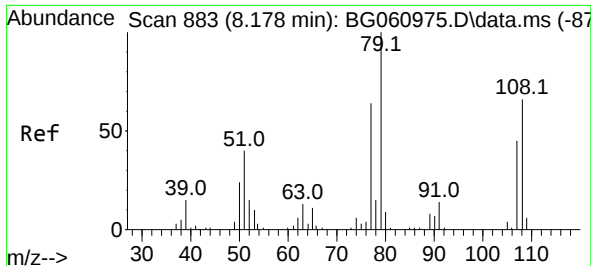


#14  
1,2-Dichlorobenzene  
Concen: 47.201 ng  
RT: 8.295 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



Tgt Ion:146 Resp: 83297  
Ion Ratio Lower Upper  
146 100  
148 65.9 53.8 80.8  
111 42.7 38.2 57.2





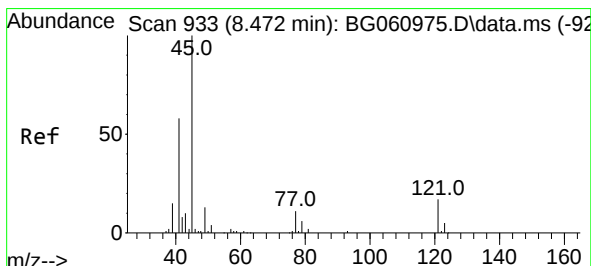
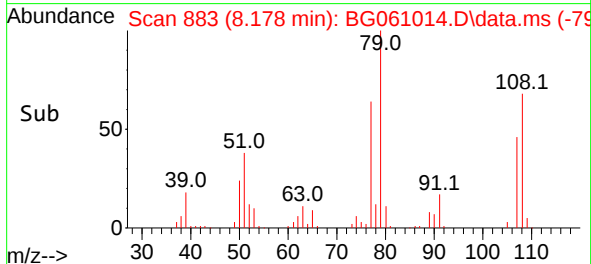
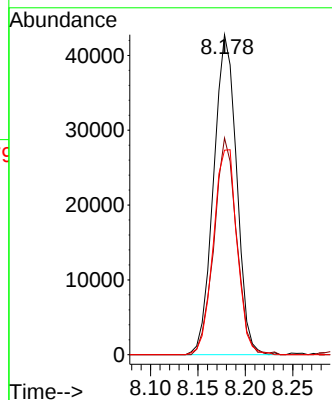
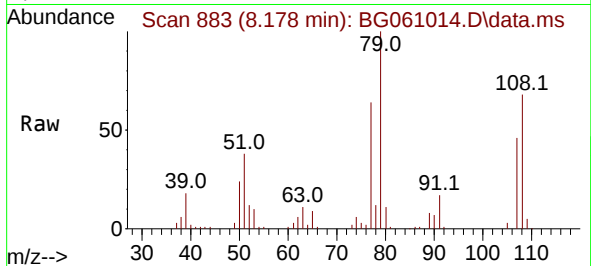
#15  
Benzyl Alcohol  
Concen: 40.644 ng  
RT: 8.178 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion: 79 Resp: 72238  
Ion Ratio Lower Upper  
79 100  
108 67.7 53.0 79.6  
77 63.9 51.4 77.0

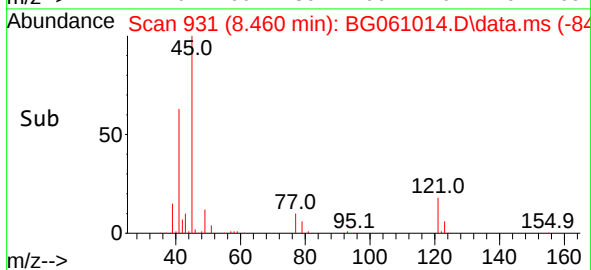
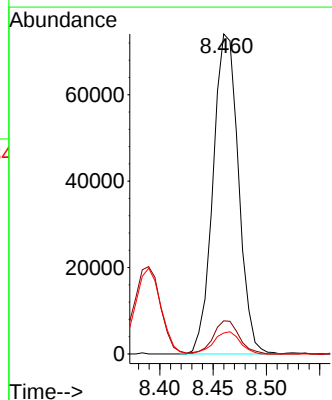
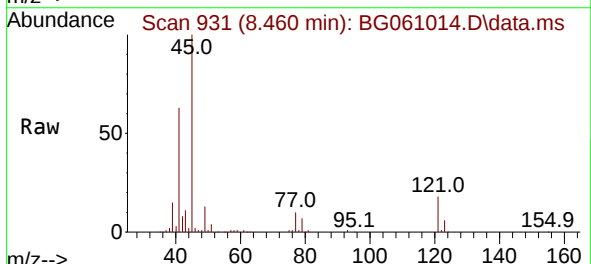
Manual Integrations  
APPROVED

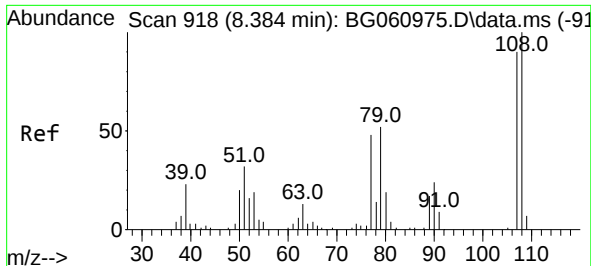
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.156 ng  
RT: 8.460 min Scan# 931  
Delta R.T. -0.012 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion: 45 Resp: 122793  
Ion Ratio Lower Upper  
45 100  
77 10.4 0.0 30.6  
79 6.5 0.0 26.6





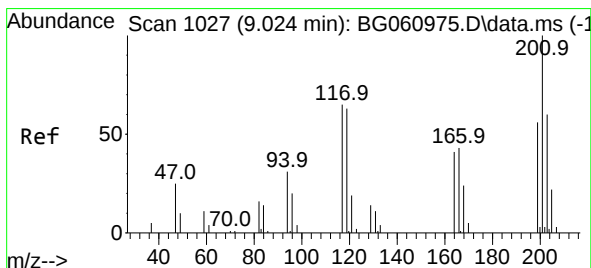
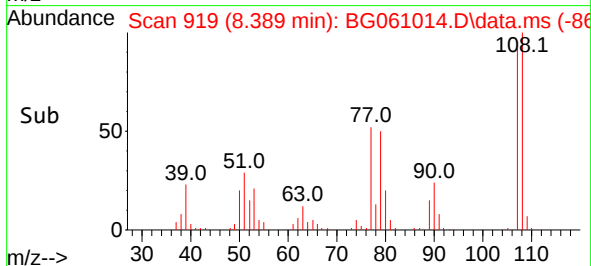
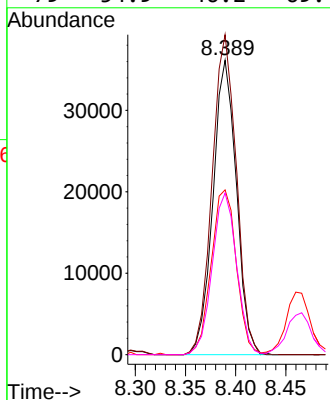
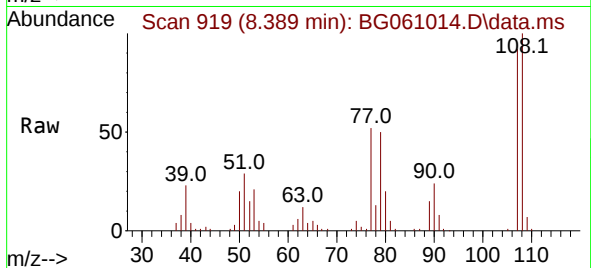
#17  
2-Methylphenol  
Concen: 38.852 ng  
RT: 8.389 min Scan# 918  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion:107 Resp: 5867  
Ion Ratio Lower Upper  
107 100  
108 108.7 89.2 133.8  
77 56.0 43.0 64.6  
79 54.9 46.2 69.4

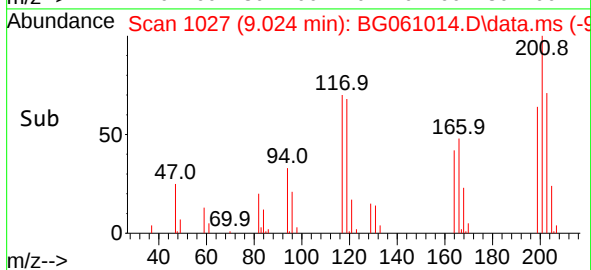
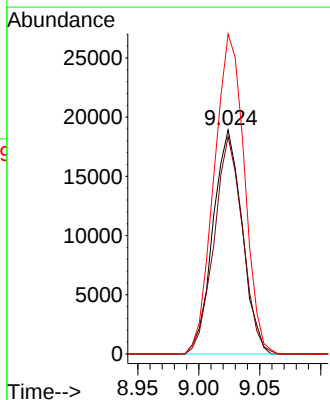
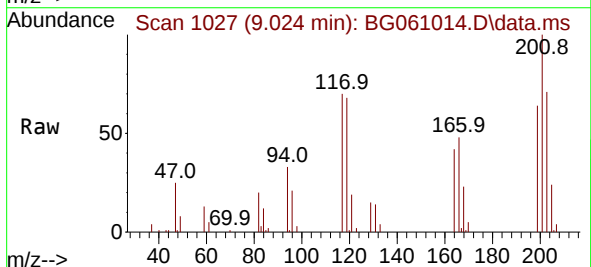
Manual Integrations  
APPROVED

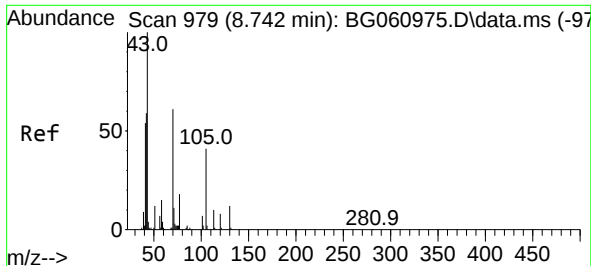
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#18  
Hexachloroethane  
Concen: 48.423 ng  
RT: 9.024 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

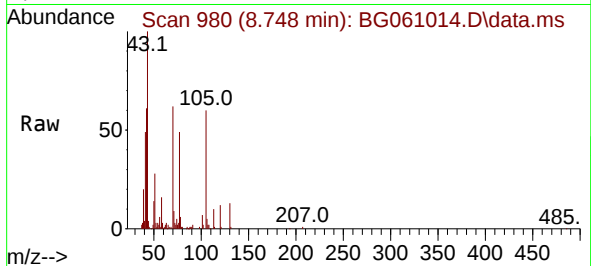
Tgt Ion:117 Resp: 31507  
Ion Ratio Lower Upper  
117 100  
119 97.0 79.8 119.8  
201 142.8 124.0 186.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 37.134 ng  
RT: 8.748 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

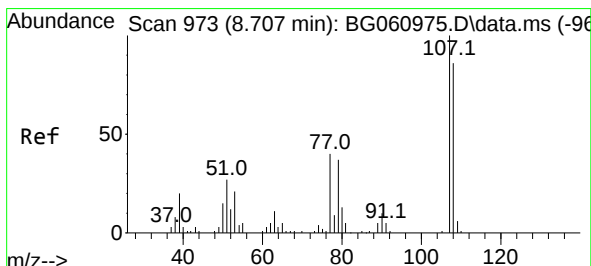
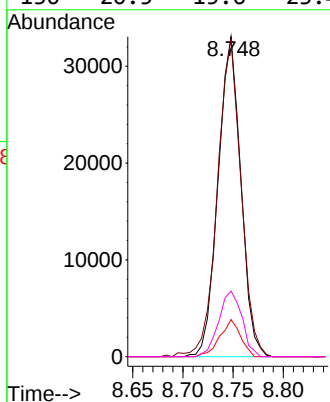
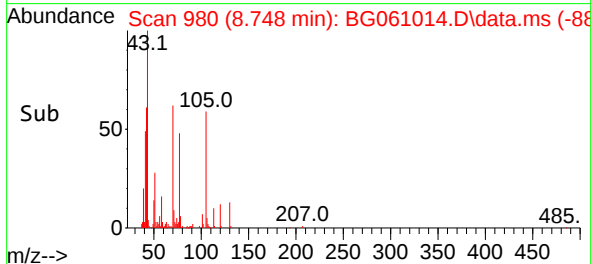
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion: 70 Resp: 52095  
Ion Ratio Lower Upper  
70 100  
42 99.3 78.0 117.0  
101 11.6 8.6 13.0  
130 20.5 15.6 23.4

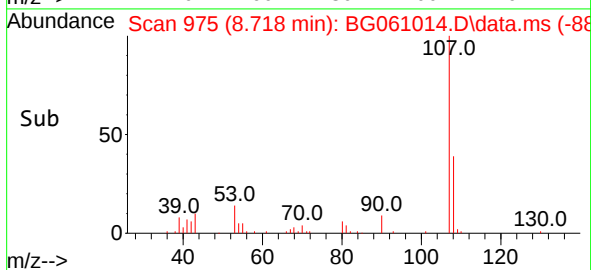
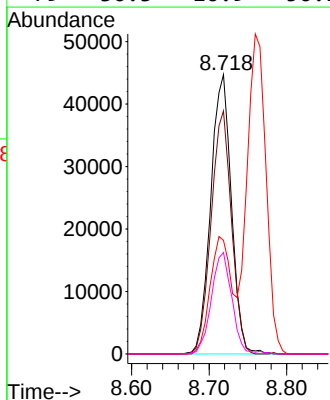
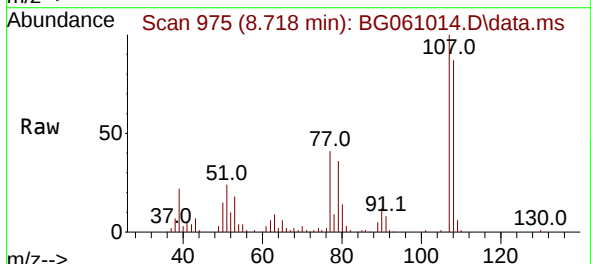
Manual Integrations  
APPROVED

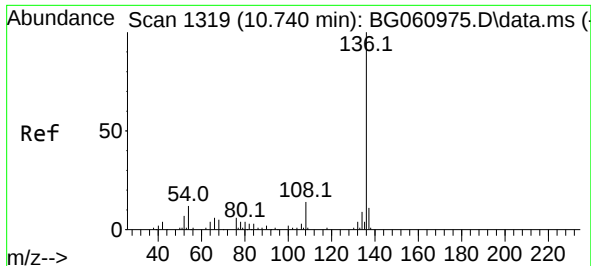
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#20  
3+4-Methylphenols  
Concen: 39.194 ng  
RT: 8.718 min Scan# 975  
Delta R.T. 0.012 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

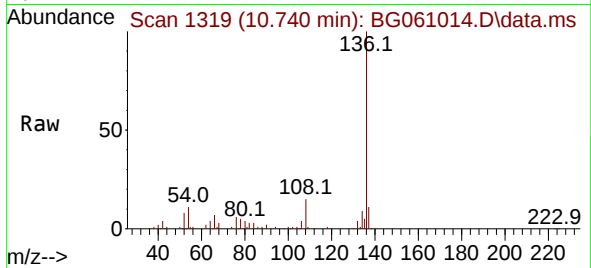
Tgt Ion:107 Resp: 82777  
Ion Ratio Lower Upper  
107 100  
108 87.0 66.5 106.5  
77 40.7 19.9 59.9  
79 36.3 16.9 56.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.740 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

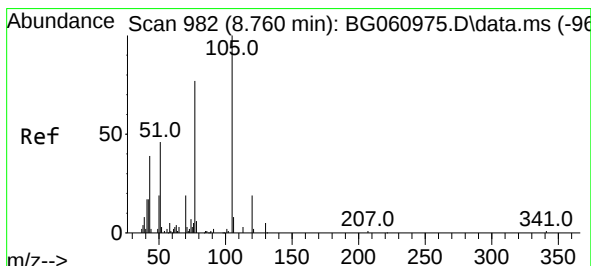
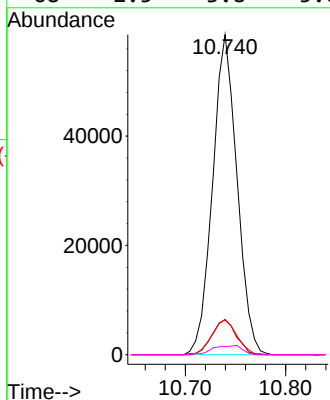
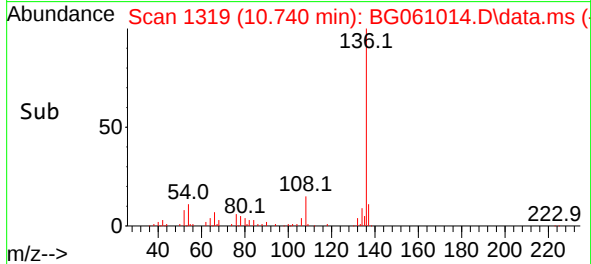
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:136 Resp: 98949  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.5 12.7  
54 10.9 9.4 14.0  
68 2.5 3.8 5.6#

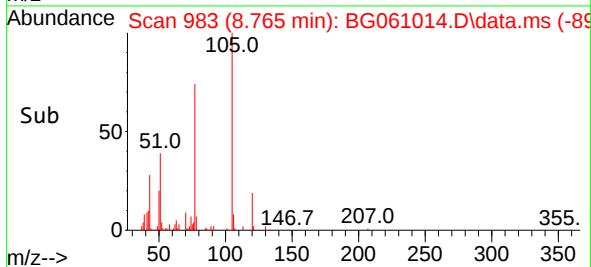
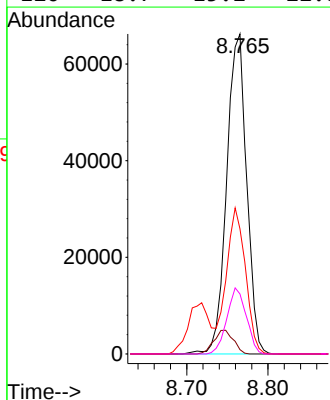
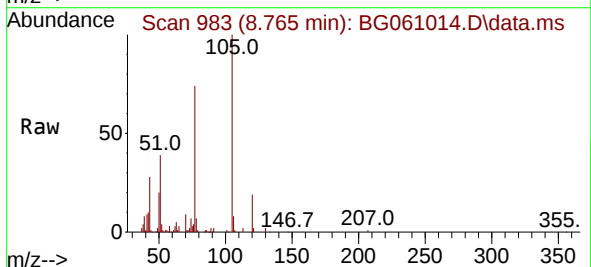
Manual Integrations  
APPROVED

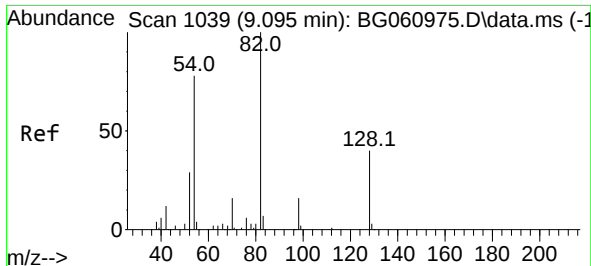
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#22  
Acetophenone  
Concen: 40.909 ng  
RT: 8.765 min Scan# 983  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

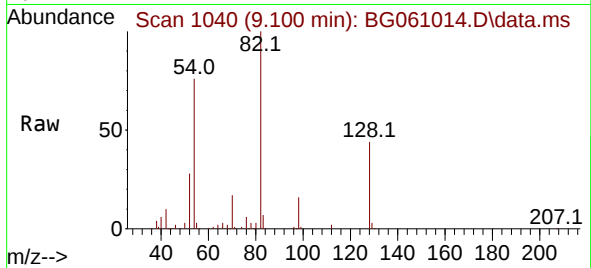
Tgt Ion:105 Resp: 113031  
Ion Ratio Lower Upper  
105 100  
71 1.3 2.5 3.7#  
51 39.1 37.8 56.6  
120 18.7 15.2 22.8





#23  
Nitrobenzene-d5  
Concen: 65.841 ng  
RT: 9.100 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

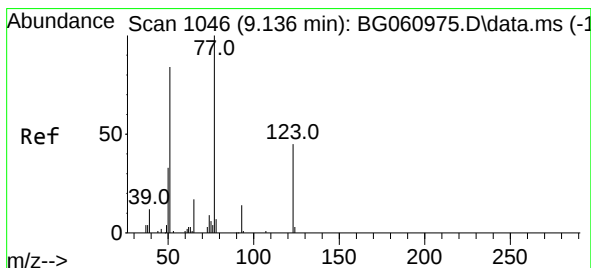
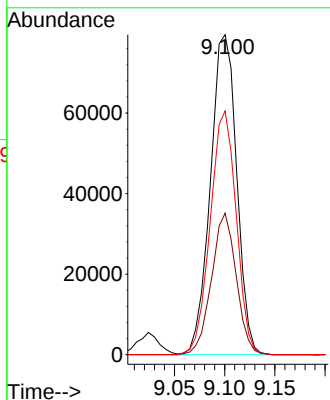
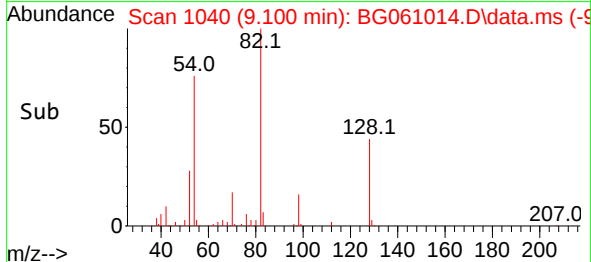
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion: 82 Resp: 14500  
Ion Ratio Lower Upper  
82 100  
128 44.2 32.1 48.1  
54 76.2 62.3 93.5

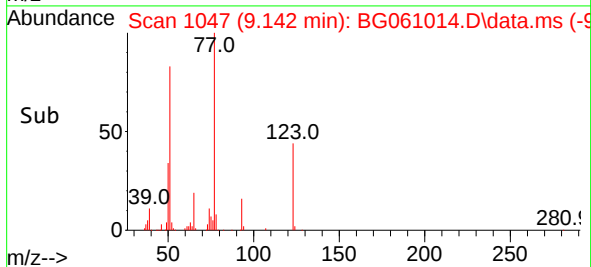
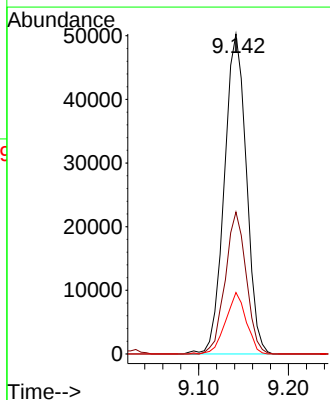
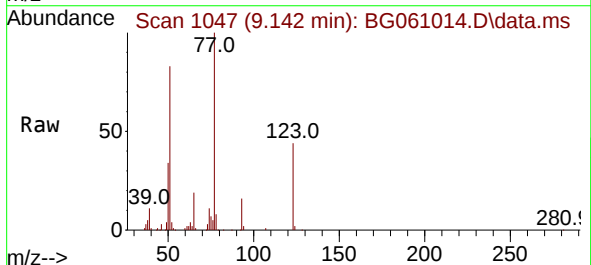
Manual Integrations  
APPROVED

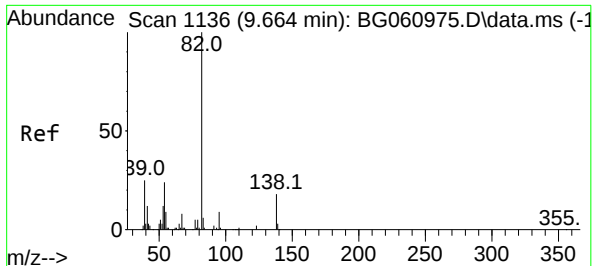
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#24  
Nitrobenzene  
Concen: 40.489 ng  
RT: 9.142 min Scan# 1047  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

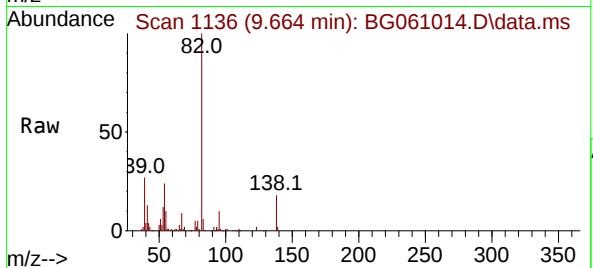
Tgt Ion: 77 Resp: 85685  
Ion Ratio Lower Upper  
77 100  
123 44.3 35.9 53.9  
65 19.2 13.3 19.9





#25  
Isophorone  
Concen: 38.532 ng  
RT: 9.664 min Scan# 1136  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

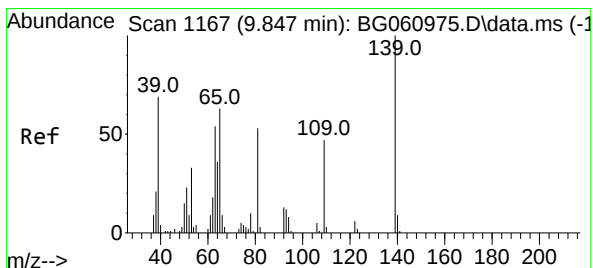
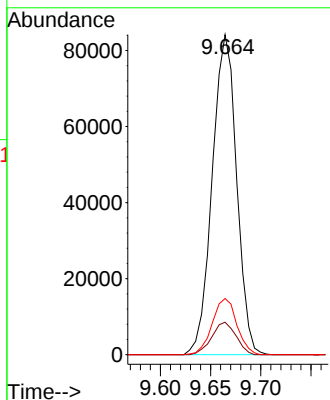
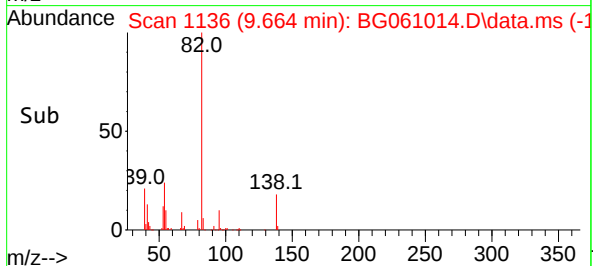
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion: 82 Resp: 142010  
Ion Ratio Lower Upper  
82 100  
95 10.2 7.6 11.4  
138 17.6 14.2 21.2

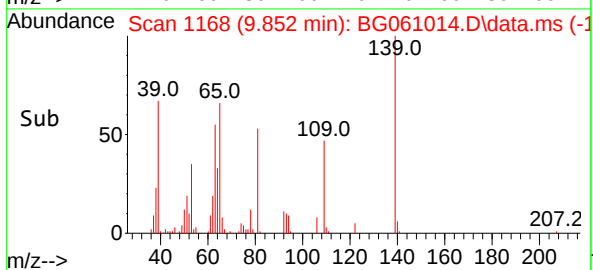
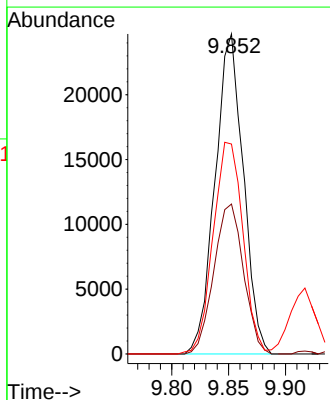
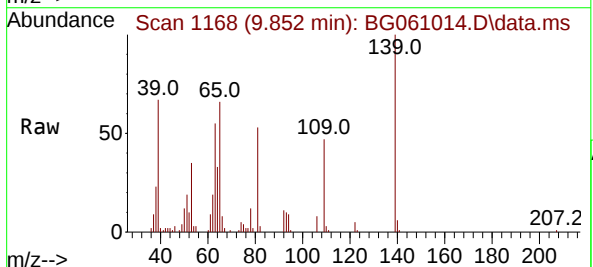
Manual Integrations  
APPROVED

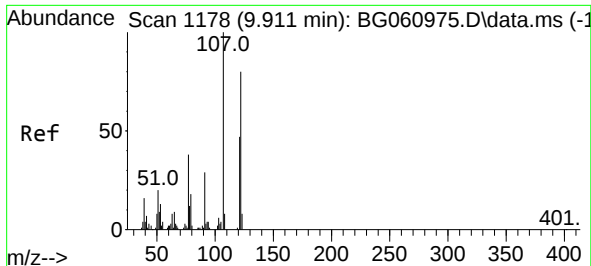
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#26  
2-Nitrophenol  
Concen: 42.827 ng  
RT: 9.852 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:139 Resp: 42596  
Ion Ratio Lower Upper  
139 100  
109 46.8 37.4 56.2  
65 65.6 50.4 75.6





#27

2,4-Dimethylphenol

Concen: 33.346 ng

RT: 9.917 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

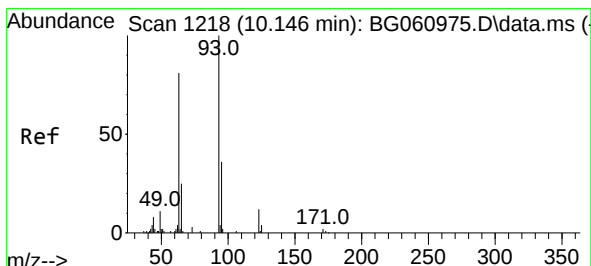
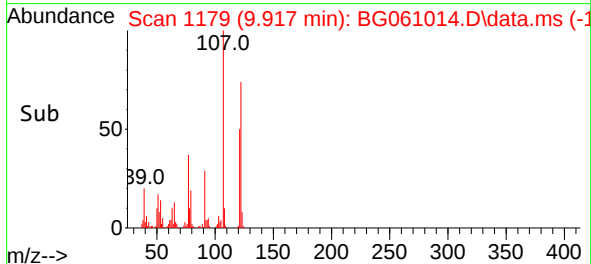
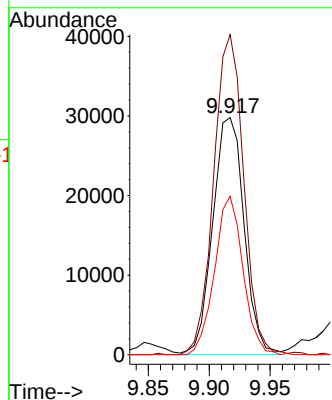
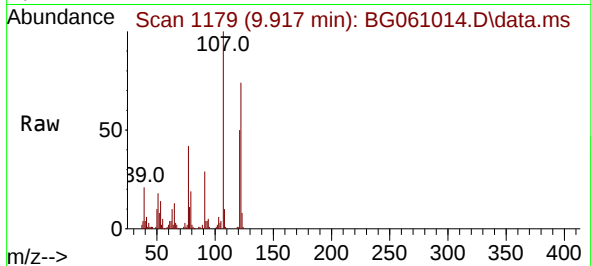
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 53160 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 134.9 | 98.7  | 148.1 |
| 121      | 66.8  | 46.3  | 69.5  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#28

bis(2-Chloroethoxy)methane

Concen: 38.653 ng

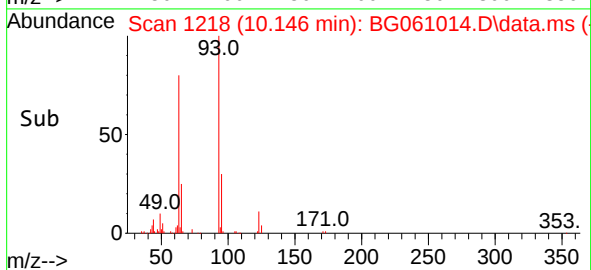
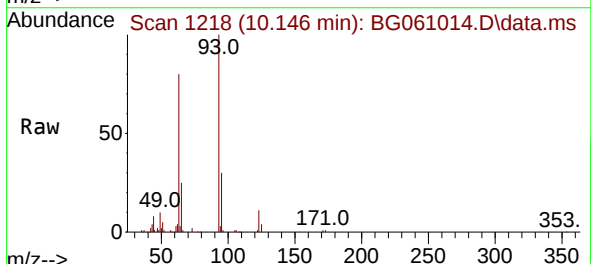
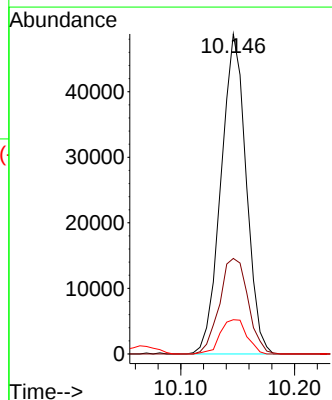
RT: 10.146 min Scan# 1218

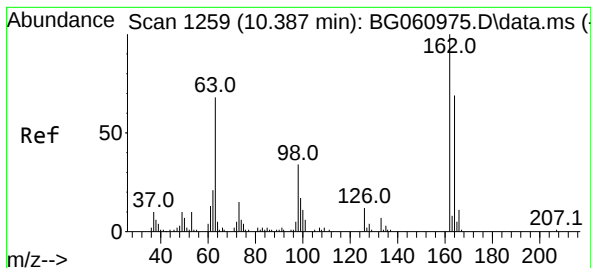
Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

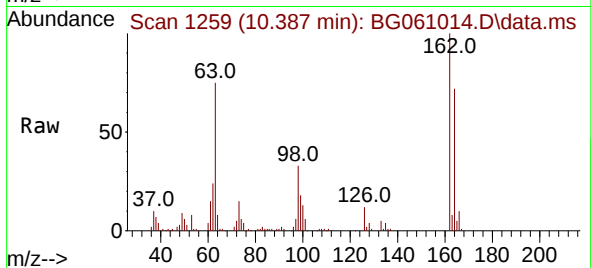
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 74942 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 29.9  | 28.8  | 43.2  |
| 123      | 10.7  | 9.8   | 14.6  |





#29  
2,4-Dichlorophenol  
Concen: 43.847 ng  
RT: 10.387 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

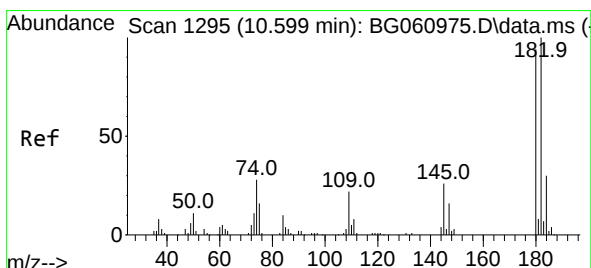
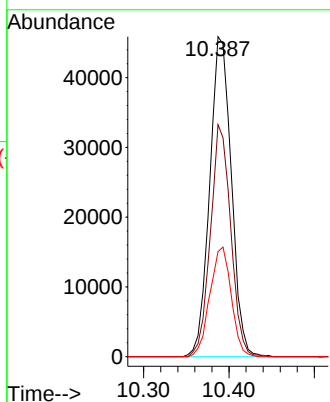
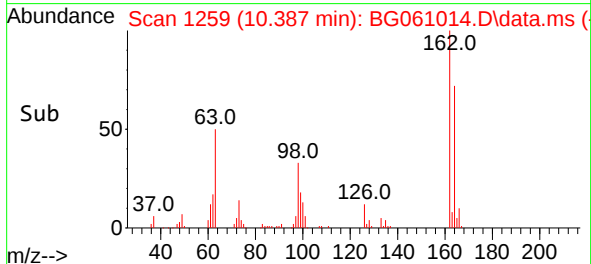
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:162 Resp: 80670  
Ion Ratio Lower Upper  
162 100  
164 72.5 49.0 89.0  
98 32.8 14.3 54.3

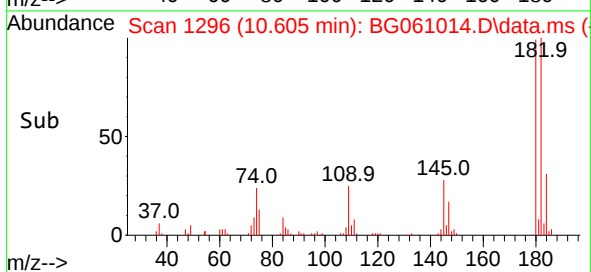
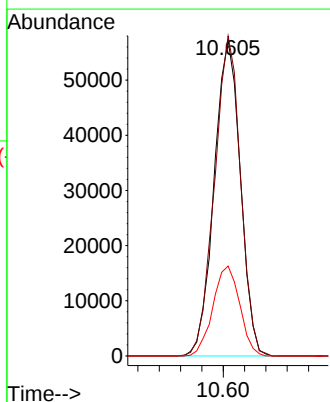
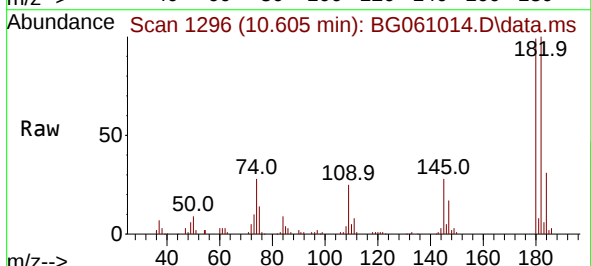
Manual Integrations  
APPROVED

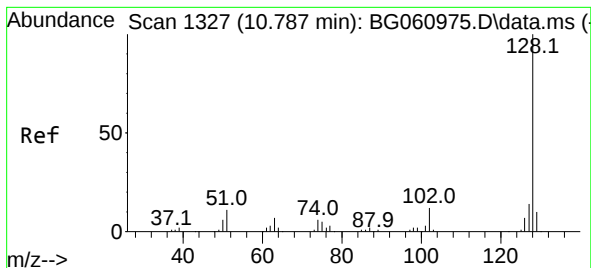
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 48.144 ng  
RT: 10.605 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

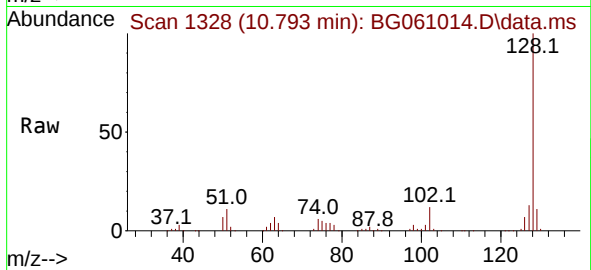
Tgt Ion:180 Resp: 97738  
Ion Ratio Lower Upper  
180 100  
182 101.4 85.4 128.2  
145 28.5 22.6 33.8





#31  
Naphthalene  
Concen: 43.000 ng  
RT: 10.793 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

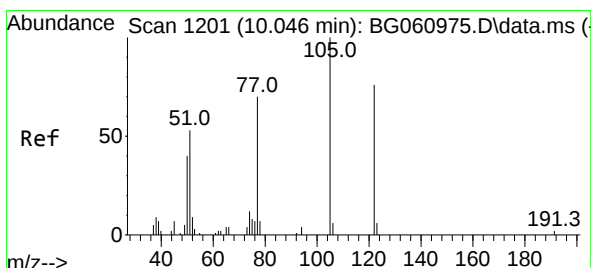
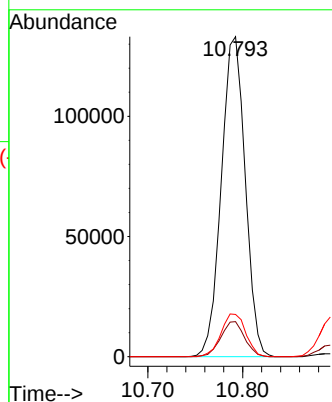
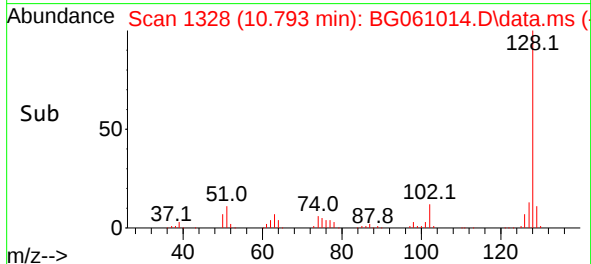
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:128 Resp: 23294  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.2 12.4  
127 13.2 11.4 17.2

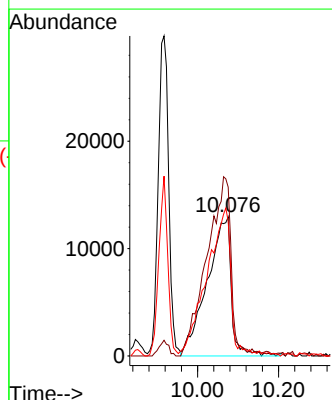
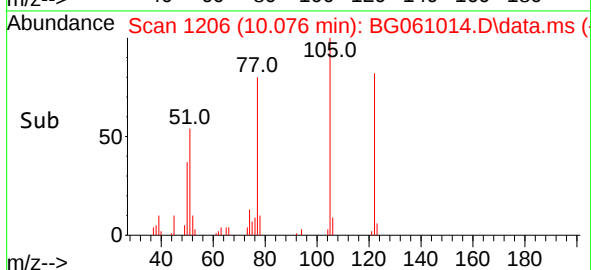
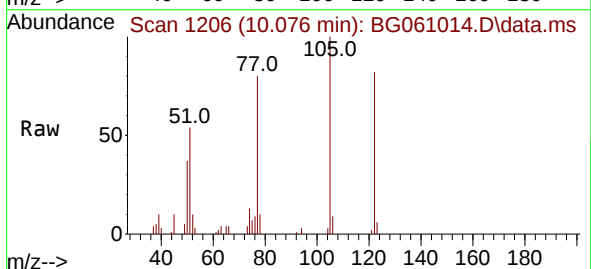
Manual Integrations  
APPROVED

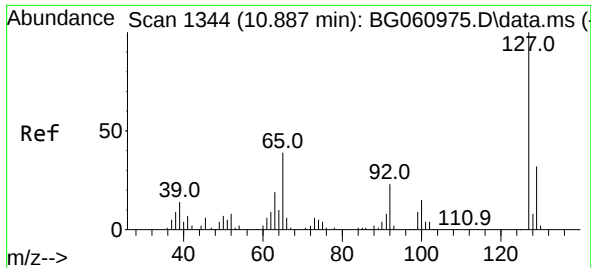
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#32  
Benzoic acid  
Concen: 44.063 ng m  
RT: 10.076 min Scan# 1206  
Delta R.T. 0.029 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

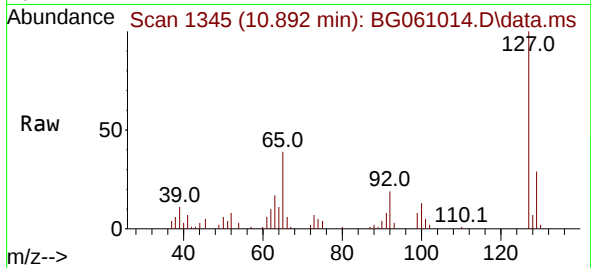
Tgt Ion:122 Resp: 53523  
Ion Ratio Lower Upper  
122 100  
105 121.4 106.2 146.2  
77 96.9 70.1 110.1





#33  
4-Chloroaniline  
Concen: 12.359 ng  
RT: 10.892 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

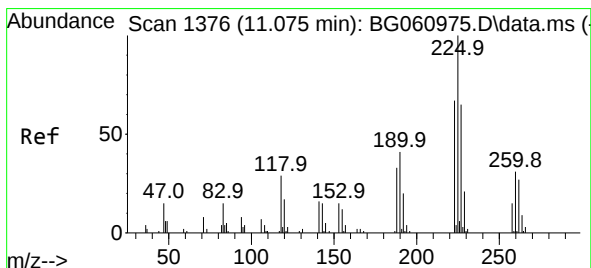
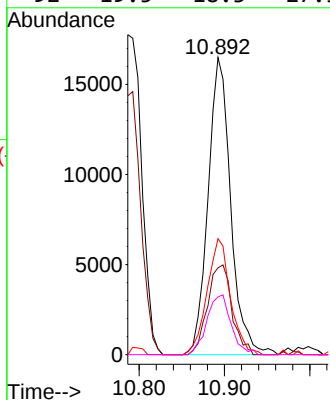
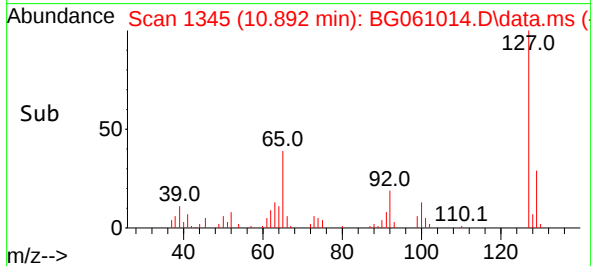
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:127 Resp: 30414  
Ion Ratio Lower Upper  
127 100  
129 29.3 25.7 38.5  
65 39.0 31.4 47.0  
92 19.5 18.3 27.5

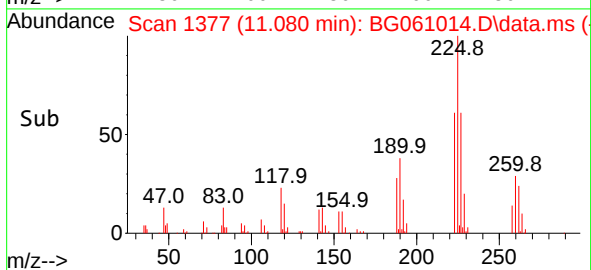
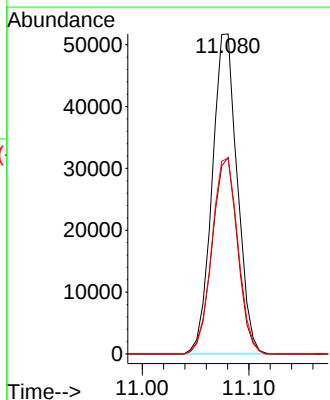
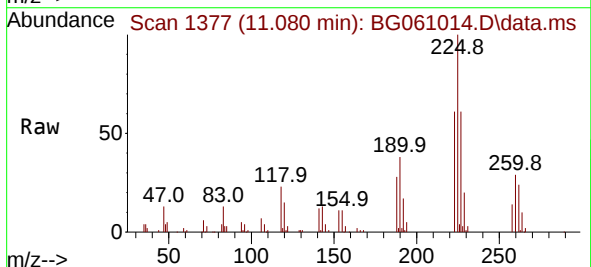
Manual Integrations  
APPROVED

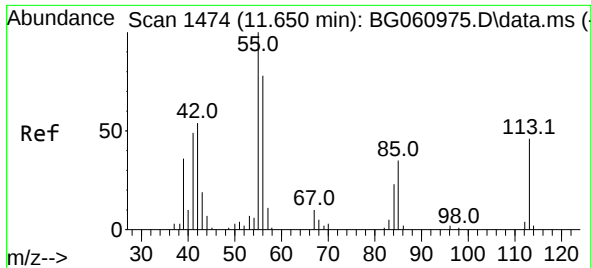
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#34  
Hexachlorobutadiene  
Concen: 47.368 ng  
RT: 11.080 min Scan# 1377  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:225 Resp: 84569  
Ion Ratio Lower Upper  
225 100  
223 61.4 53.2 79.8  
227 61.1 51.9 77.9





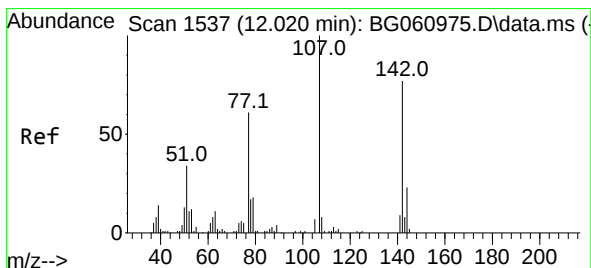
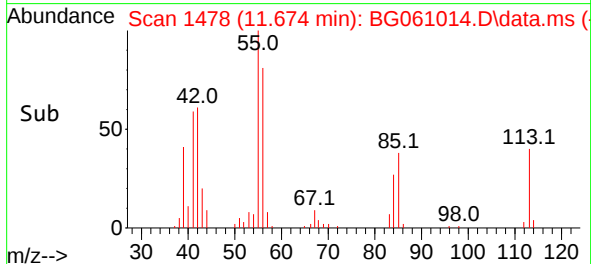
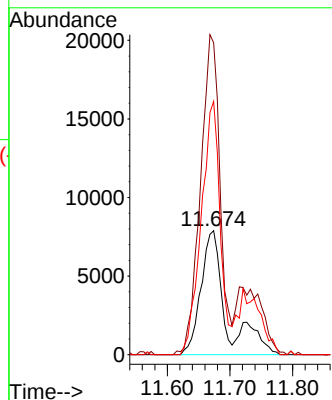
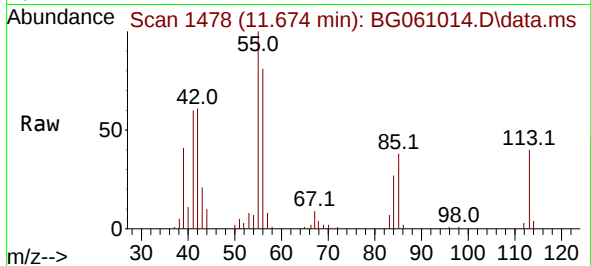
#35  
Caprolactam  
Concen: 37.391 ng m  
RT: 11.674 min Scan# 1474  
Delta R.T. 0.024 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion:113 Resp: 2191  
Ion Ratio Lower Upper  
113 100  
55 251.7 197.9 237.9  
56 204.3 151.1 191.1

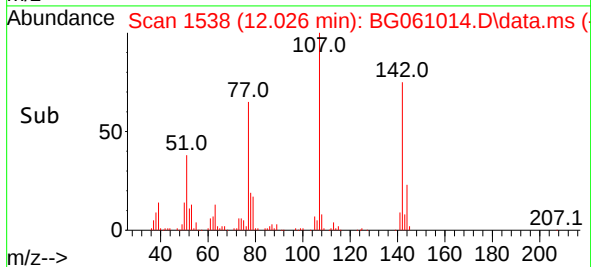
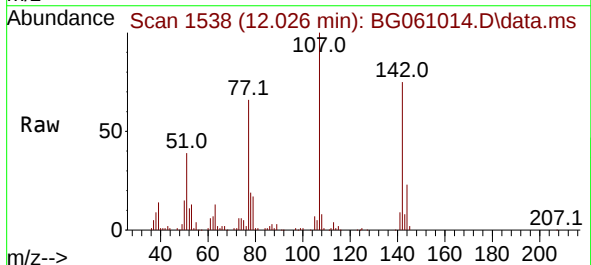
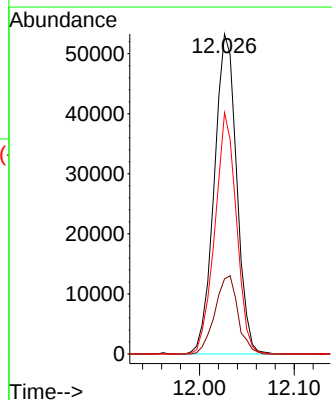
Manual Integrations  
APPROVED

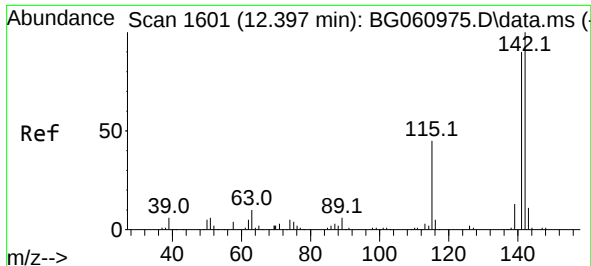
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#36  
4-Chloro-3-methylphenol  
Concen: 40.789 ng  
RT: 12.026 min Scan# 1538  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

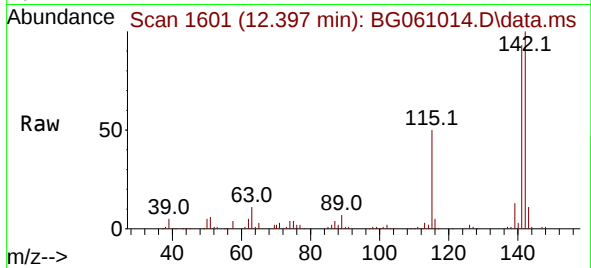
Tgt Ion:107 Resp: 87531  
Ion Ratio Lower Upper  
107 100  
144 23.4 18.5 27.7  
142 75.4 61.4 92.0





#37  
2-Methylnaphthalene  
Concen: 39.373 ng  
RT: 12.397 min Scan# 1601  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

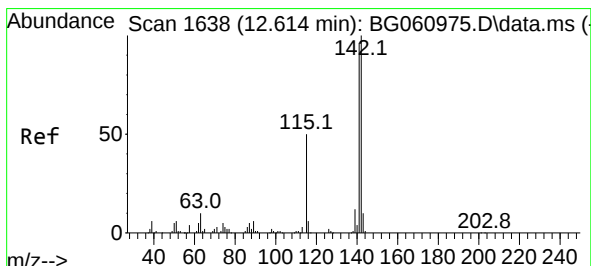
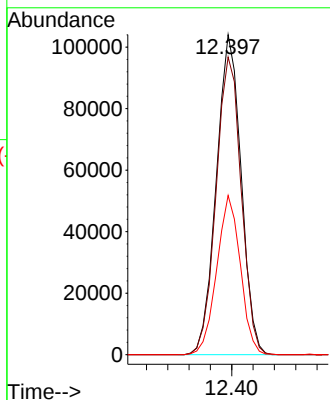
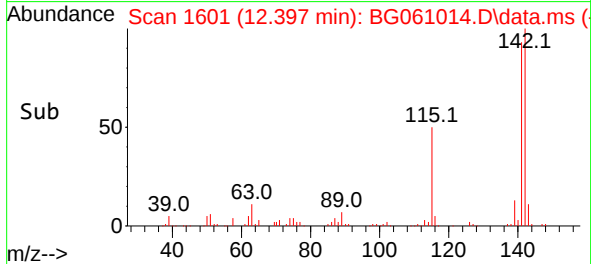
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:142 Resp: 167704  
Ion Ratio Lower Upper  
142 100  
141 93.0 72.2 108.4  
115 49.7 35.9 53.9

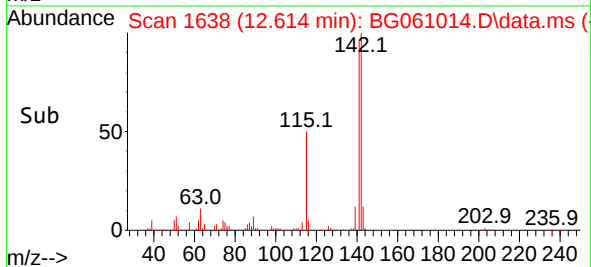
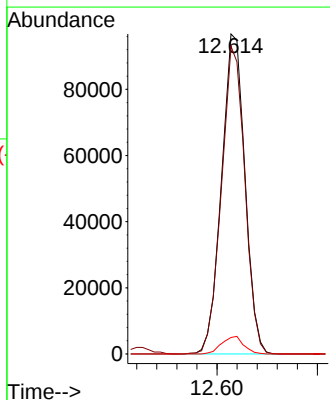
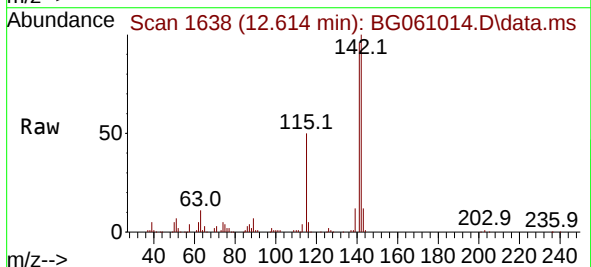
Manual Integrations  
APPROVED

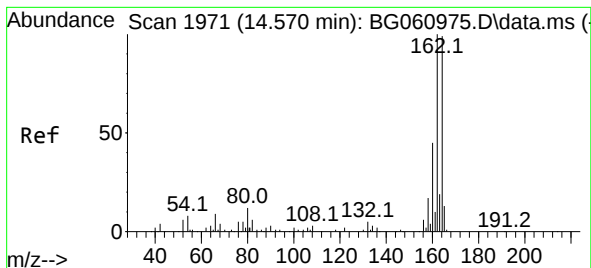
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#38  
1-Methylnaphthalene  
Concen: 39.420 ng  
RT: 12.614 min Scan# 1638  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

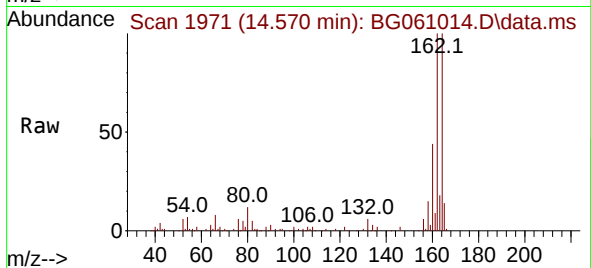
Tgt Ion:142 Resp: 156683  
Ion Ratio Lower Upper  
142 100  
141 96.2 76.8 115.2  
116 5.2 4.4 6.6





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.570 min Scan# 1971  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

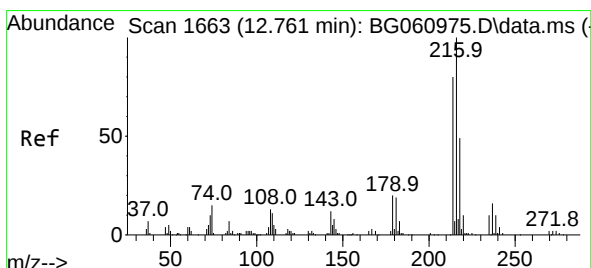
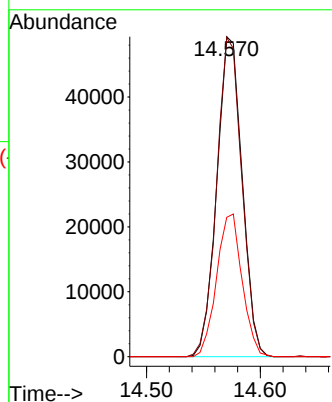
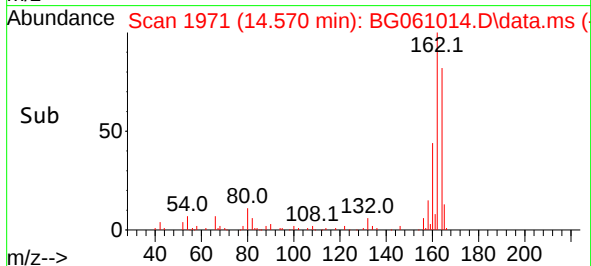
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



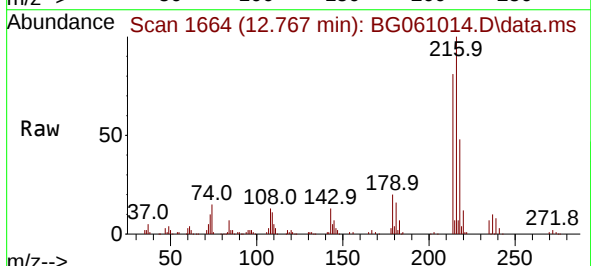
Tgt Ion:164 Resp: 7646  
Ion Ratio Lower Upper  
164 100  
162 99.8 81.2 121.8  
160 43.5 36.2 54.2

Manual Integrations  
APPROVED

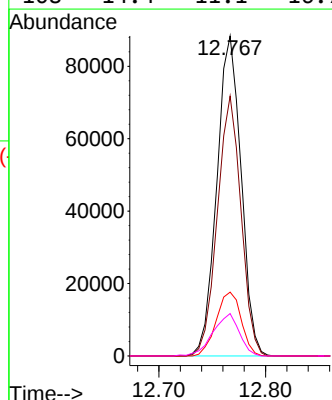
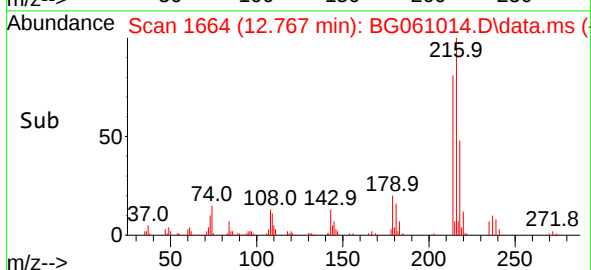
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

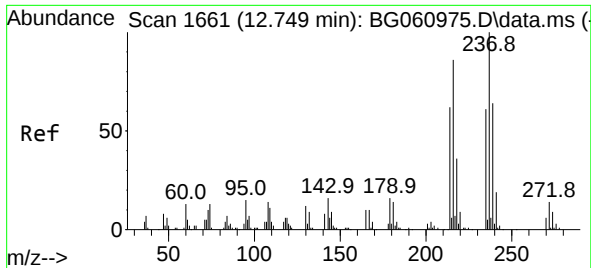


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.335 ng  
RT: 12.767 min Scan# 1664  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



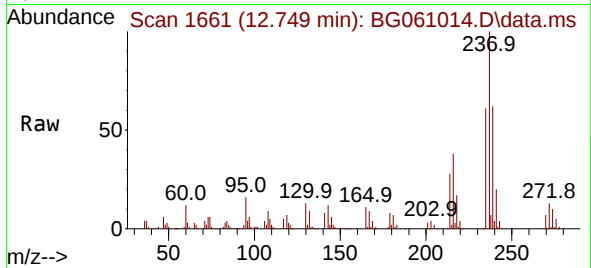
Tgt Ion:216 Resp: 139492  
Ion Ratio Lower Upper  
216 100  
214 79.0 63.3 94.9  
179 20.6 15.2 22.8  
108 14.4 11.1 16.7





#41  
Hexachlorocyclopentadiene  
Concen: 64.857 ng  
RT: 12.749 min Scan# 1661  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

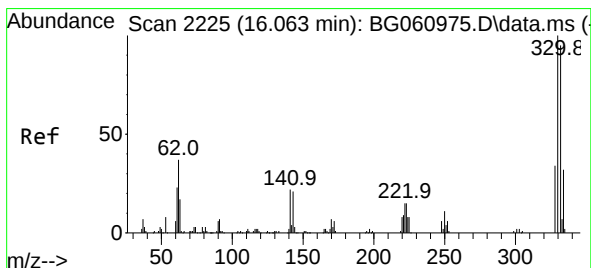
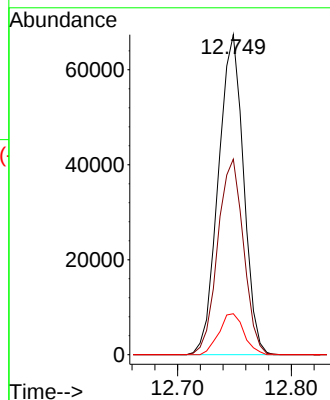
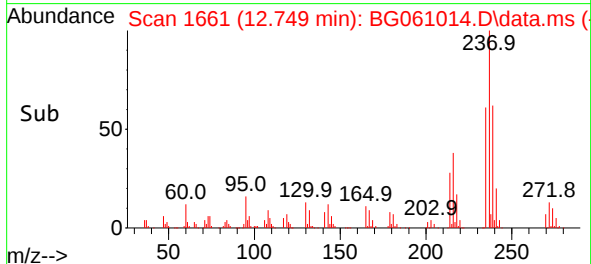
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



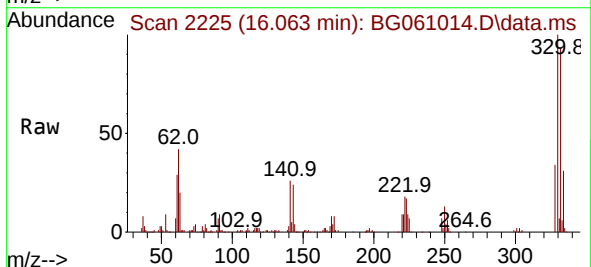
Tgt Ion:237 Resp: 103698  
Ion Ratio Lower Upper  
237 100  
235 61.1 40.7 80.7  
272 12.8 0.0 34.5

Manual Integrations  
APPROVED

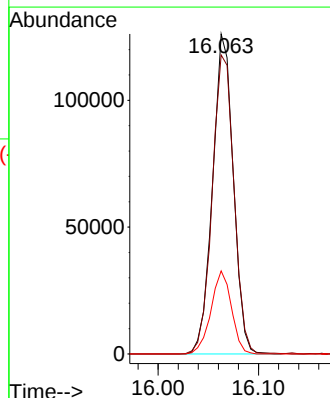
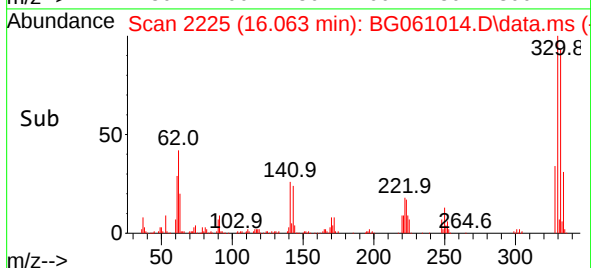
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

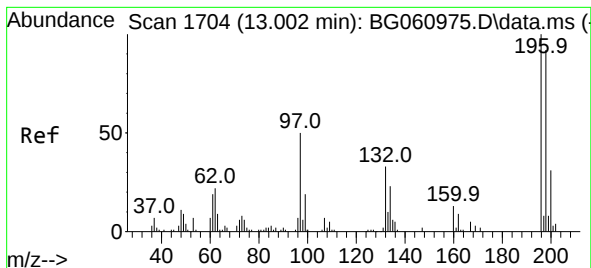


#42  
2,4,6-Tribromophenol  
Concen: 107.644 ng  
RT: 16.063 min Scan# 2225  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



Tgt Ion:330 Resp: 180742  
Ion Ratio Lower Upper  
330 100  
332 98.1 77.1 115.7  
141 25.7 20.6 31.0





#43

2,4,6-Trichlorophenol

Concen: 48.129 ng

RT: 13.008 min Scan# 1

Delta R.T. 0.006 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

Tgt Ion:196 Resp: 8596

Ion Ratio Lower Upper

196 100

198 95.1 73.5 110.3

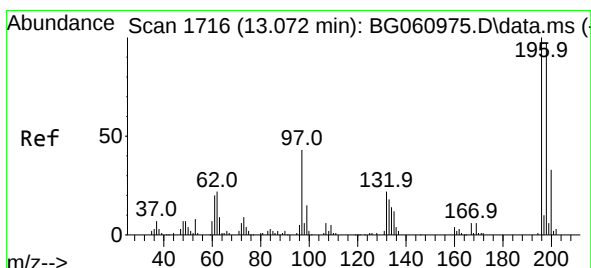
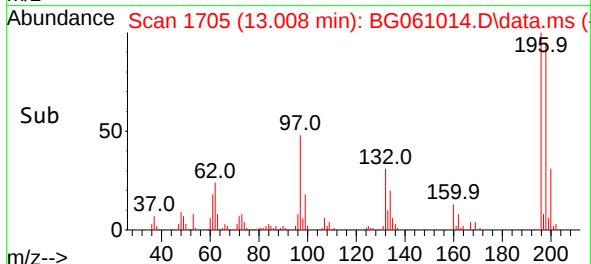
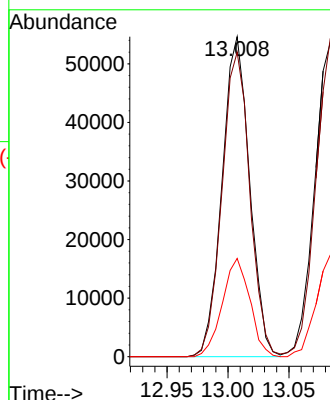
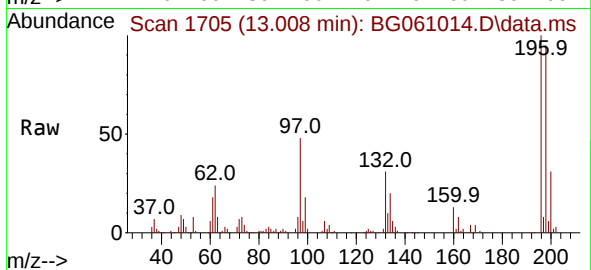
200 30.7 24.8 37.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#44

2,4,5-Trichlorophenol

Concen: 44.111 ng

RT: 13.084 min Scan# 1718

Delta R.T. 0.012 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Tgt Ion:196 Resp: 93203

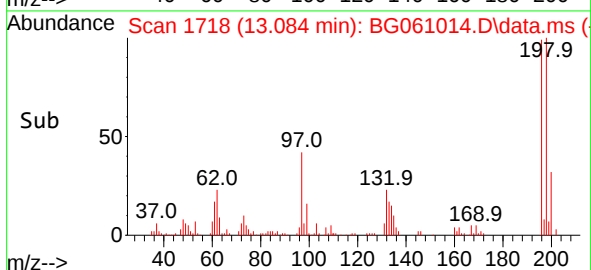
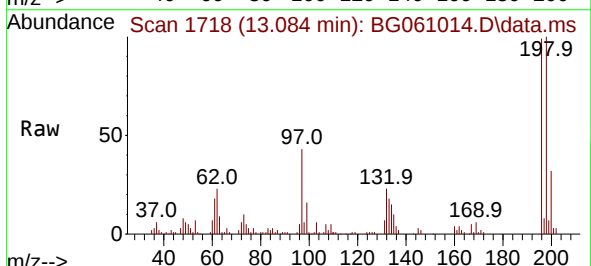
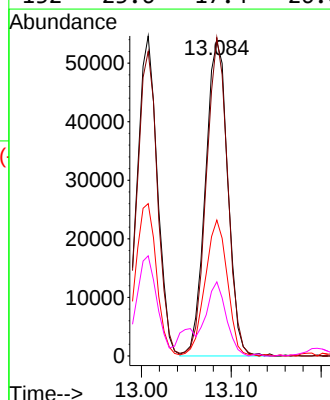
Ion Ratio Lower Upper

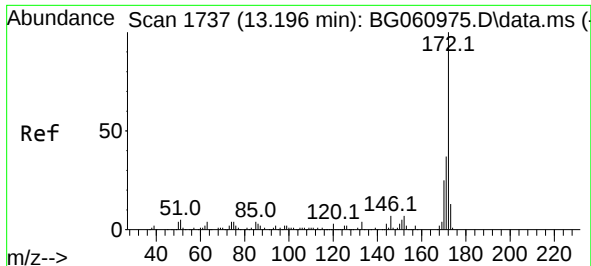
196 100

198 101.3 77.7 116.5

97 43.2 34.2 51.4

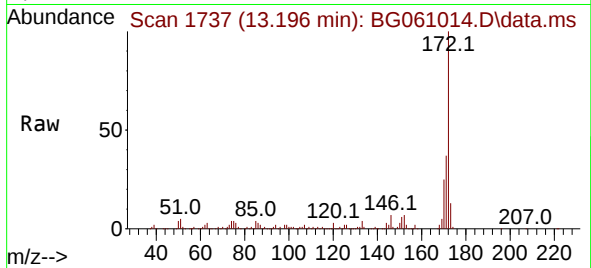
132 23.6 17.4 26.0





#45  
2-Fluorobiphenyl  
Concen: 70.147 ng  
RT: 13.196 min Scan# 1737  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

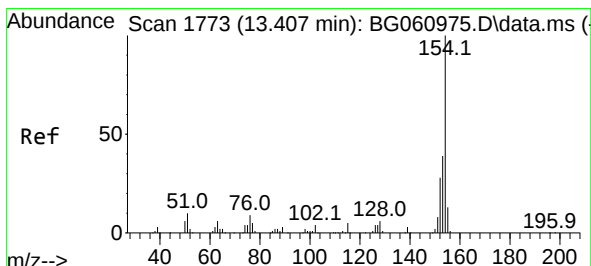
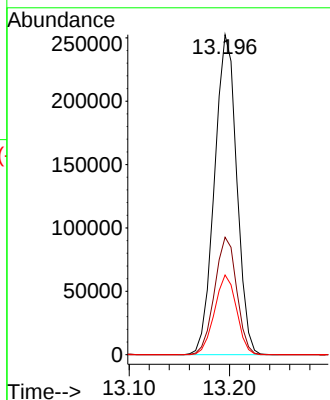
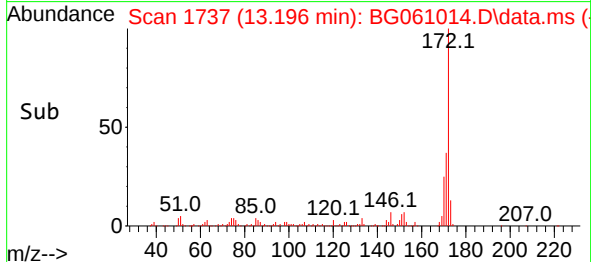
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



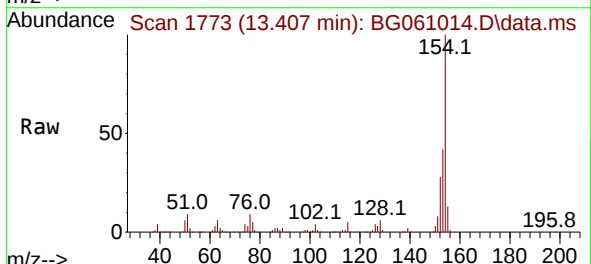
Tgt Ion:172 Resp: 38754  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.3 43.9  
170 24.9 20.1 30.1

Manual Integrations  
APPROVED

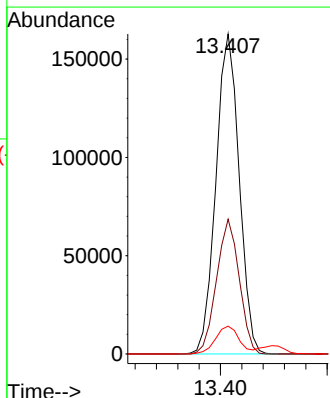
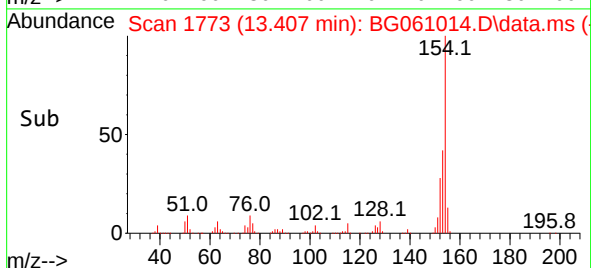
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

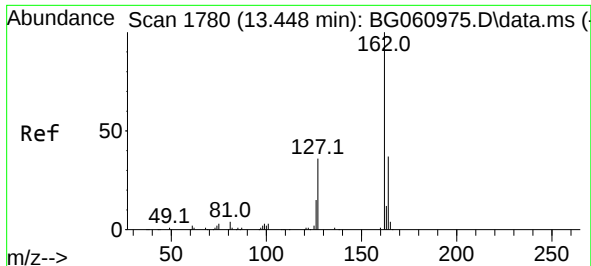


#46  
1,1'-Biphenyl  
Concen: 47.699 ng  
RT: 13.407 min Scan# 1773  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



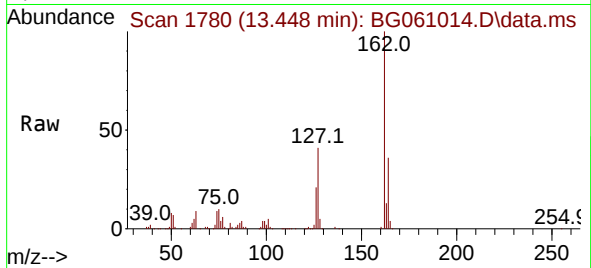
Tgt Ion:154 Resp: 245671  
Ion Ratio Lower Upper  
154 100  
153 42.1 19.4 59.4  
76 8.7 0.0 28.6





#47  
2-Chloronaphthalene  
Concen: 48.438 ng  
RT: 13.448 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

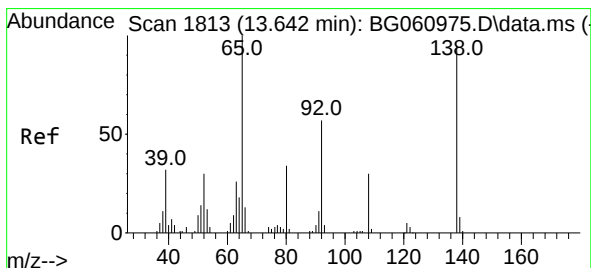
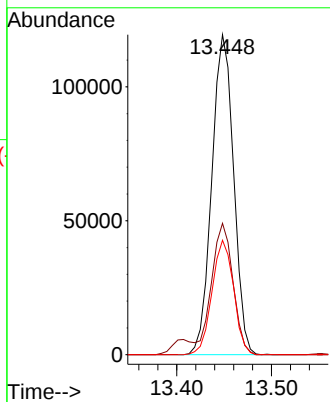
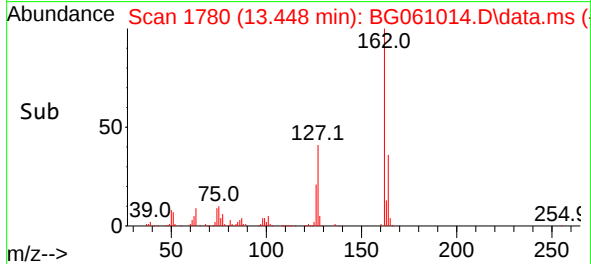
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:162 Resp: 19128  
Ion Ratio Lower Upper  
162 100  
127 41.1 32.6 49.0  
164 35.8 29.9 44.9

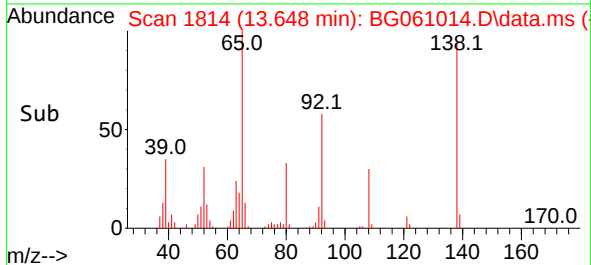
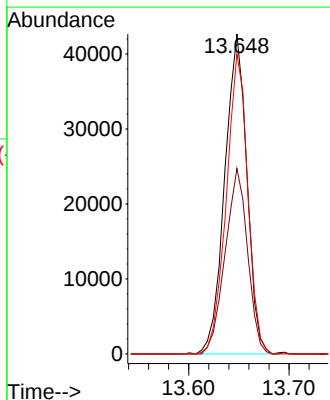
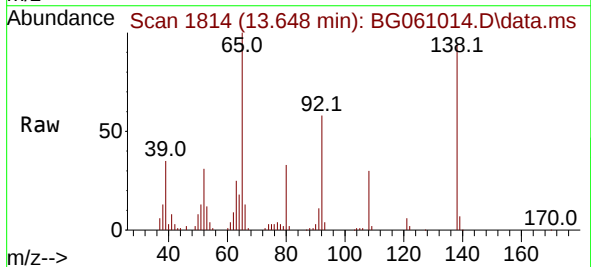
Manual Integrations  
APPROVED

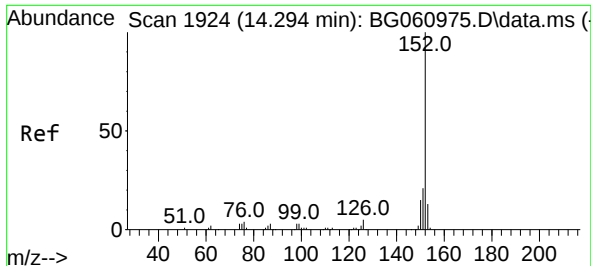
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#48  
2-Nitroaniline  
Concen: 41.016 ng  
RT: 13.648 min Scan# 1814  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

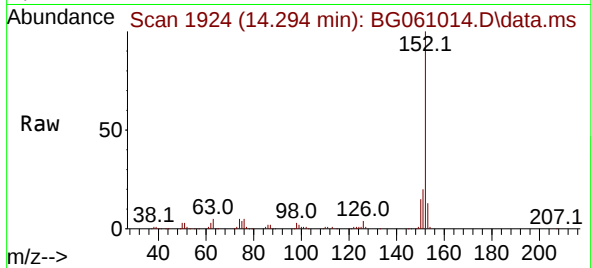
Tgt Ion: 65 Resp: 65370  
Ion Ratio Lower Upper  
65 100  
92 58.0 45.4 68.2  
138 93.7 75.8 113.6





#49  
Acenaphthylene  
Concen: 47.213 ng  
RT: 14.294 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

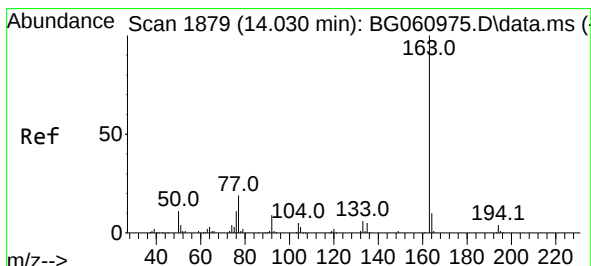
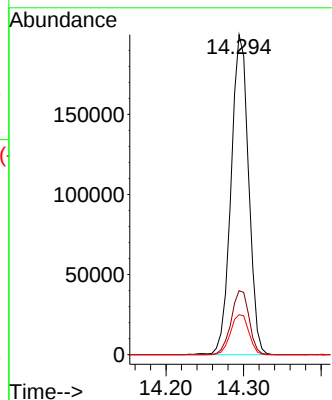
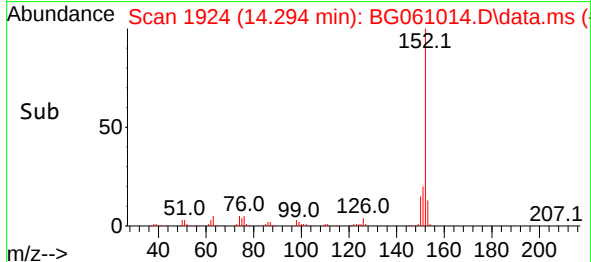
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:152 Resp: 314000  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.6 25.0  
153 12.5 10.7 16.1

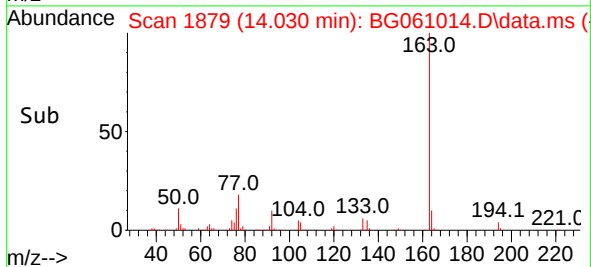
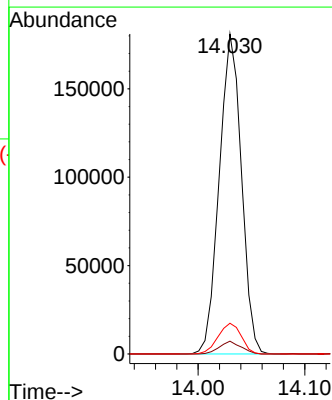
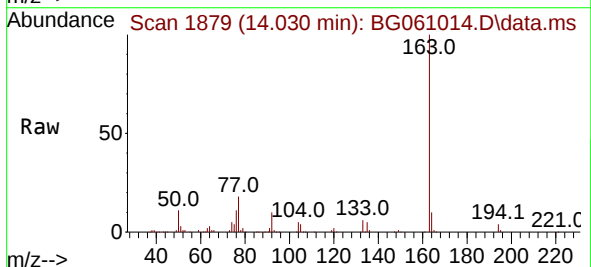
Manual Integrations  
APPROVED

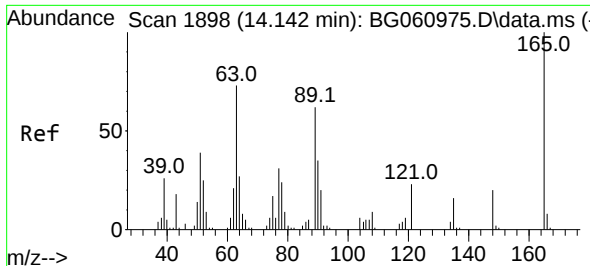
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#50  
Dimethylphthalate  
Concen: 41.413 ng  
RT: 14.030 min Scan# 1879  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

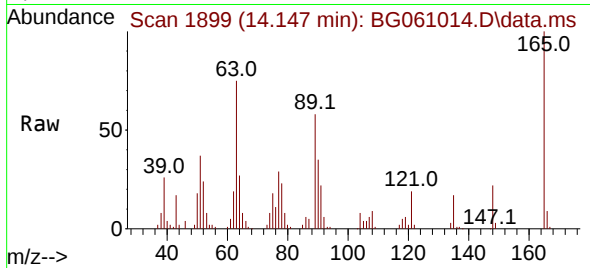
Tgt Ion:163 Resp: 261118  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 9.6 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 41.389 ng  
RT: 14.147 min Scan# 1899  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

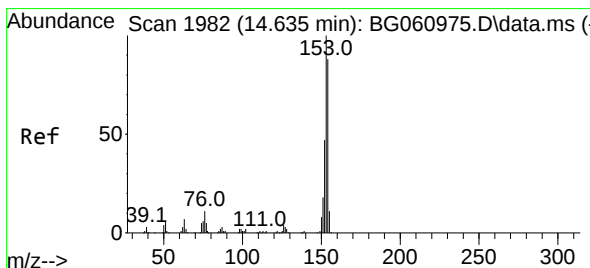
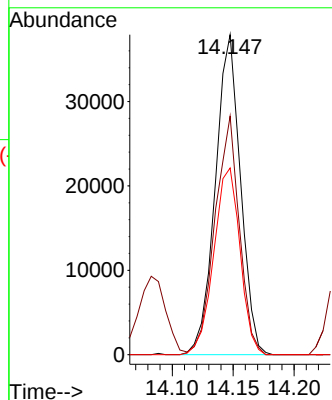
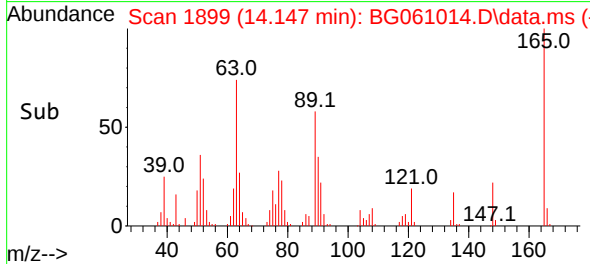
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:165 Resp: 54452  
Ion Ratio Lower Upper  
165 100  
63 74.6 59.6 89.4  
89 58.3 49.4 74.0

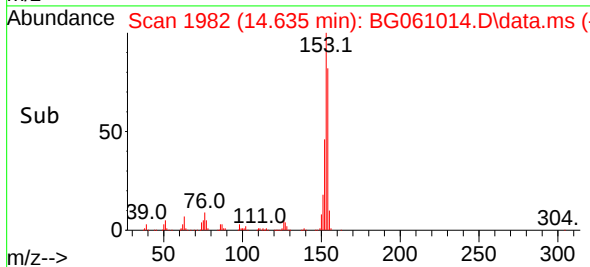
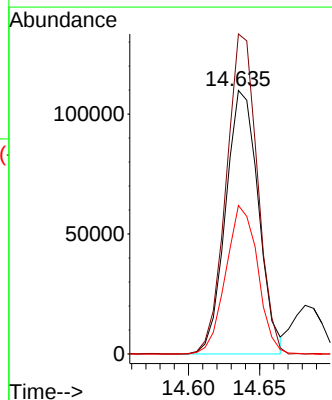
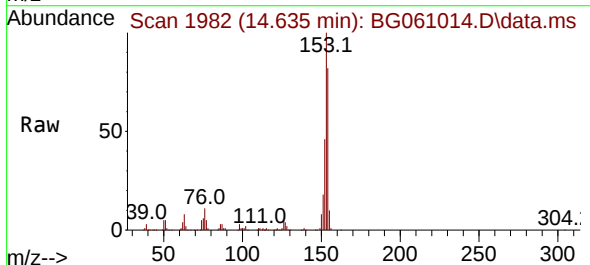
Manual Integrations  
APPROVED

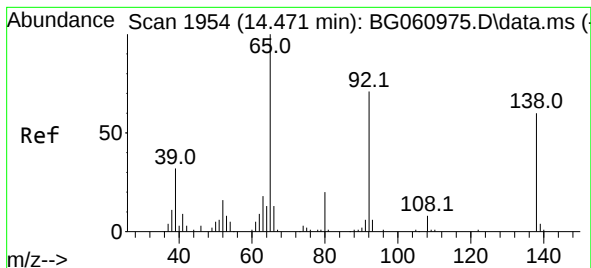
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#52  
Acenaphthene  
Concen: 43.578 ng  
RT: 14.635 min Scan# 1982  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:154 Resp: 176109  
Ion Ratio Lower Upper  
154 100  
153 121.4 91.2 136.8  
152 56.4 42.7 64.1





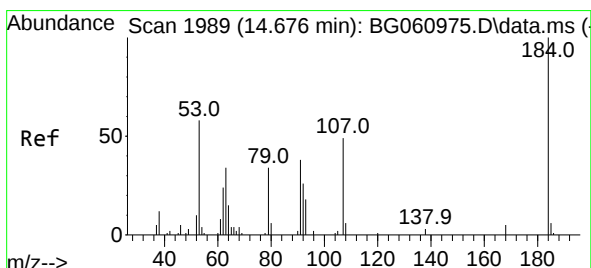
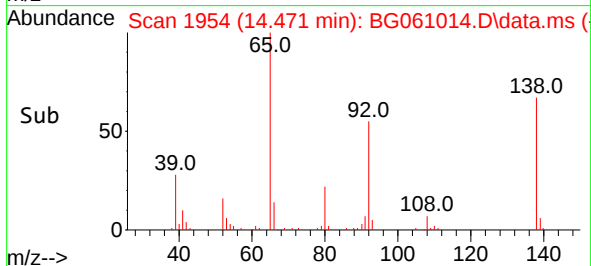
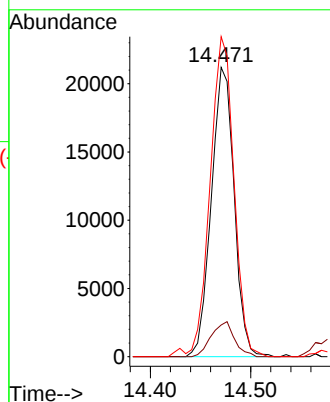
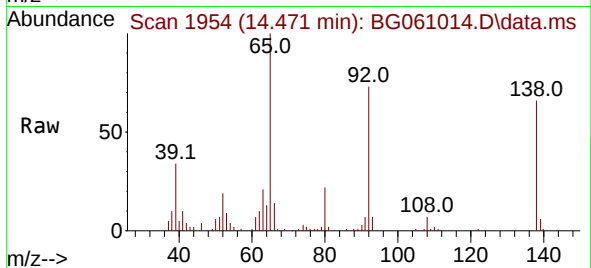
#53  
3-Nitroaniline  
Concen: 25.803 ng  
RT: 14.471 min Scan# 1954  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion:138 Resp: 3347  
Ion Ratio Lower Upper  
138 100  
108 10.9 10.1 15.1  
92 110.6 94.6 141.8

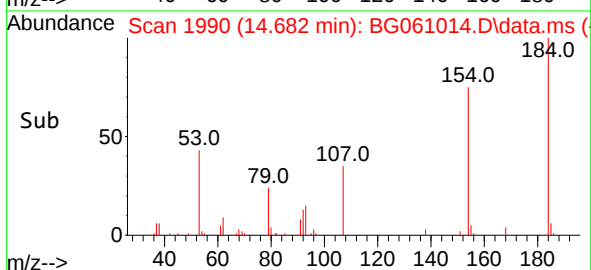
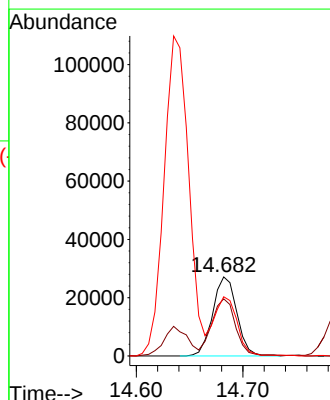
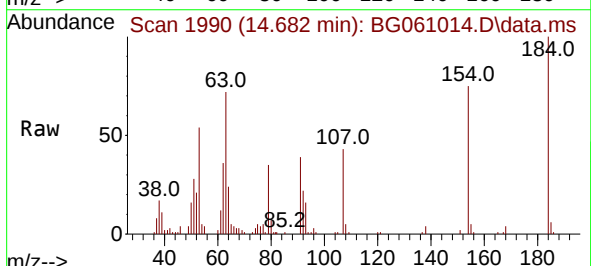
Manual Integrations  
APPROVED

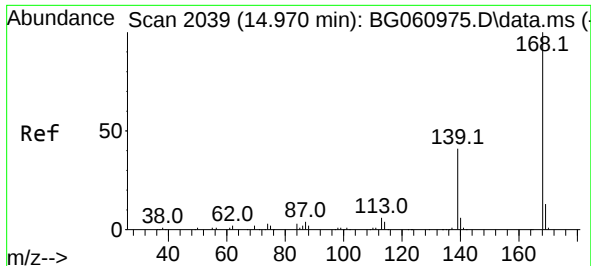
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#54  
2,4-Dinitrophenol  
Concen: 51.729 ng  
RT: 14.682 min Scan# 1990  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

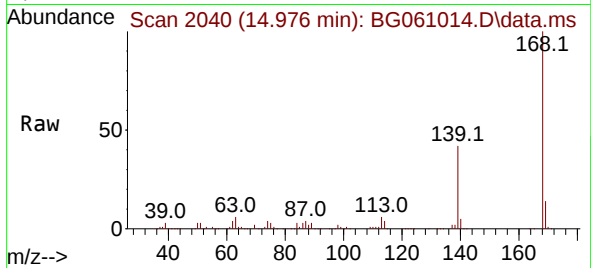
Tgt Ion:184 Resp: 42526  
Ion Ratio Lower Upper  
184 100  
63 72.3 59.0 88.6  
154 74.8 61.2 91.8





#55  
Dibenzofuran  
Concen: 43.330 ng  
RT: 14.976 min Scan# 2039  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

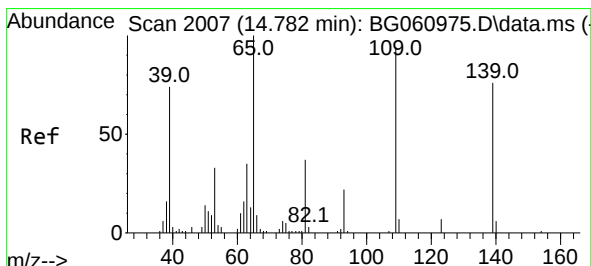
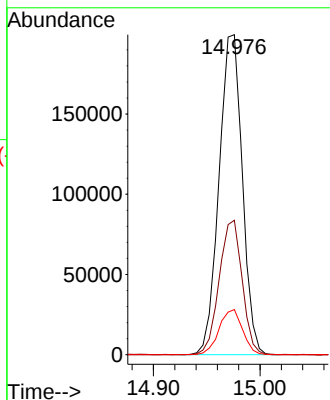
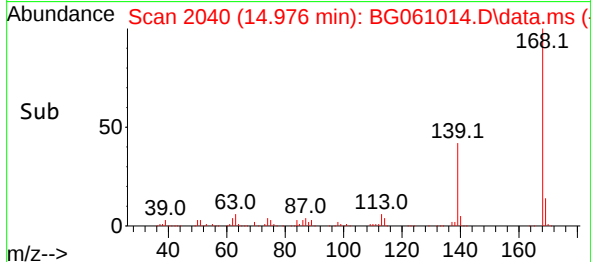
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:168 Resp: 30237  
Ion Ratio Lower Upper  
168 100  
139 42.0 32.4 48.6  
169 14.1 10.6 15.8

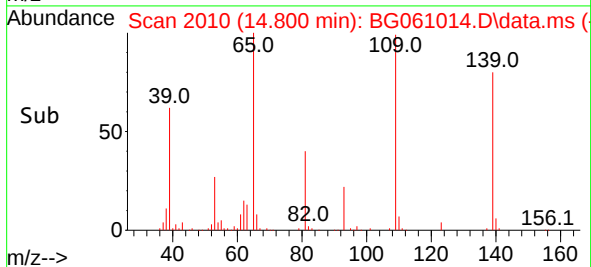
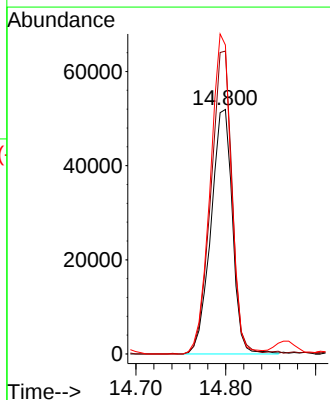
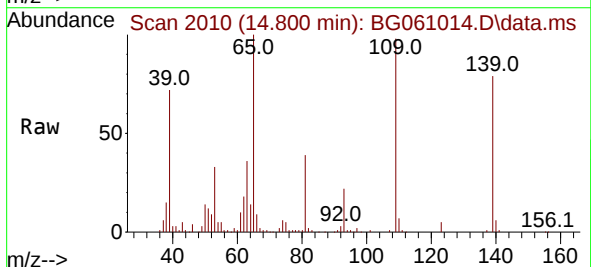
Manual Integrations  
APPROVED

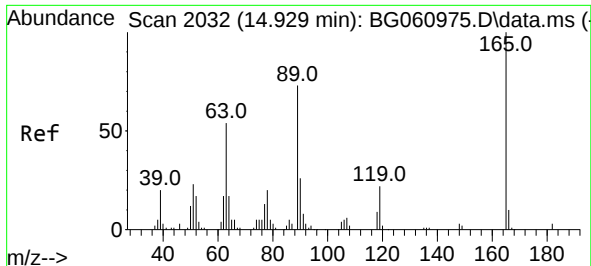
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#56  
4-Nitrophenol  
Concen: 92.752 ng  
RT: 14.800 min Scan# 2010  
Delta R.T. 0.018 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

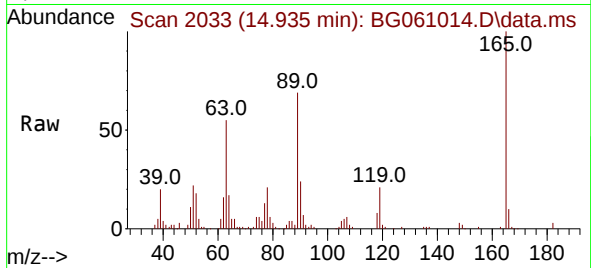
Tgt Ion:139 Resp: 86203  
Ion Ratio Lower Upper  
139 100  
109 123.9 104.1 144.1  
65 126.4 112.0 152.0





#57  
2,4-Dinitrotoluene  
Concen: 42.537 ng  
RT: 14.935 min Scan# 2033  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

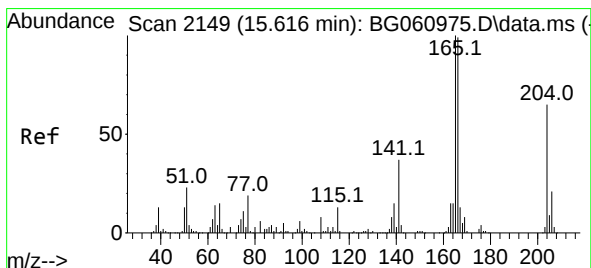
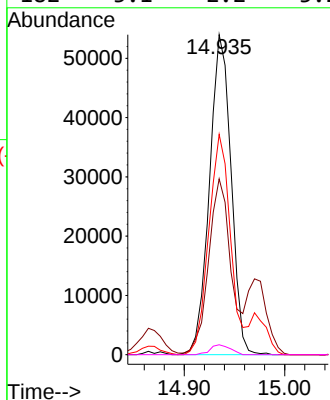
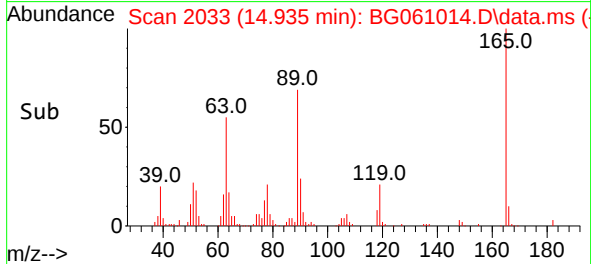
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:165 Resp: 80599  
Ion Ratio Lower Upper  
165 100  
63 54.9 43.4 65.2  
89 68.8 58.4 87.6  
182 3.1 2.2 3.2

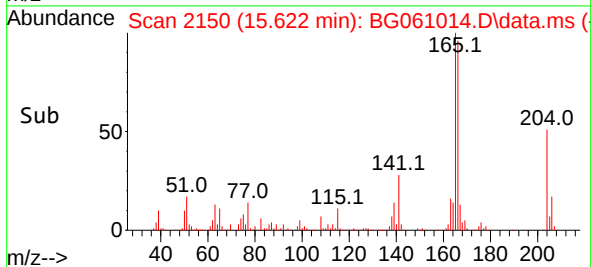
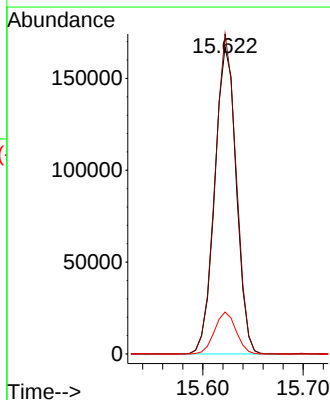
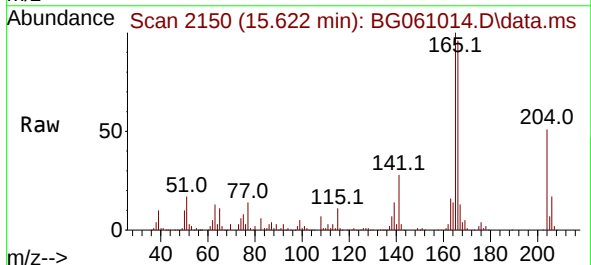
Manual Integrations  
APPROVED

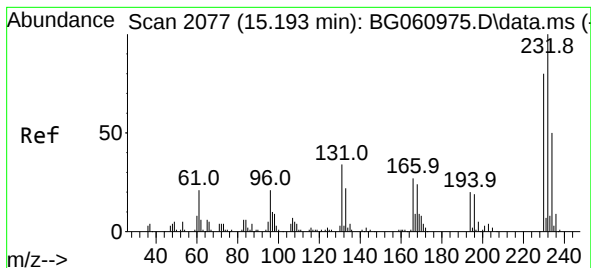
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#58  
Fluorene  
Concen: 42.386 ng  
RT: 15.622 min Scan# 2150  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

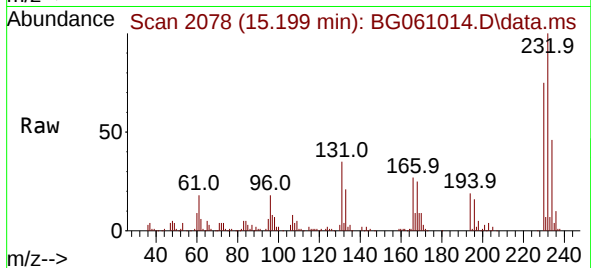
Tgt Ion:166 Resp: 249656  
Ion Ratio Lower Upper  
166 100  
165 104.3 80.9 121.3  
167 13.7 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.314 ng  
RT: 15.199 min Scan# 2077  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

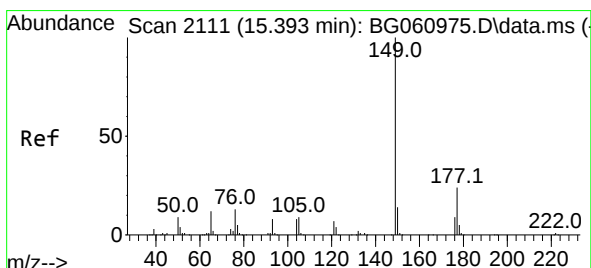
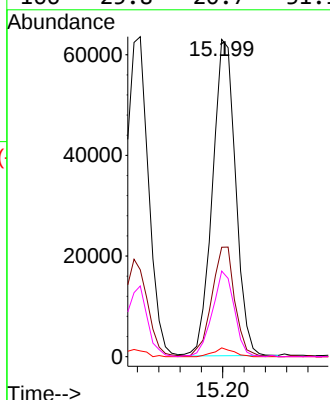
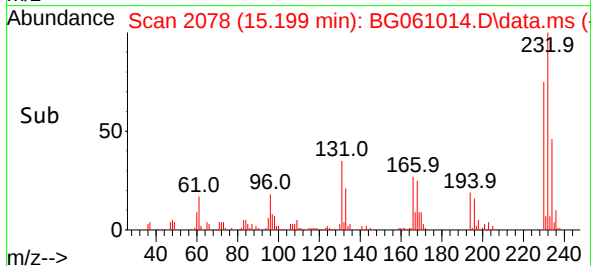
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:232 Resp: 94500  
Ion Ratio Lower Upper  
232 100  
131 34.8 27.4 41.0  
130 2.4 1.5 2.3  
166 25.8 20.7 31.1

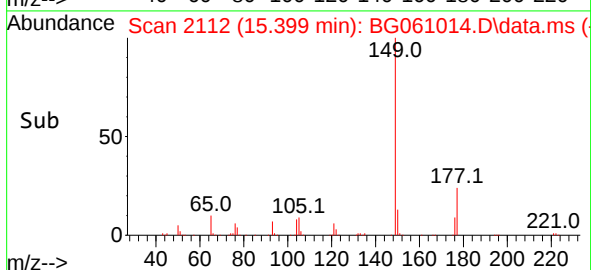
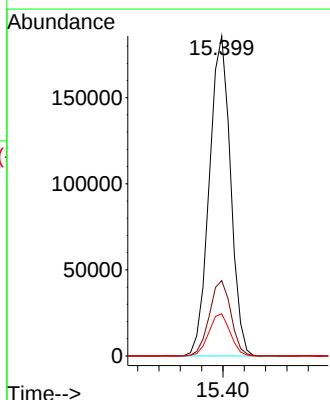
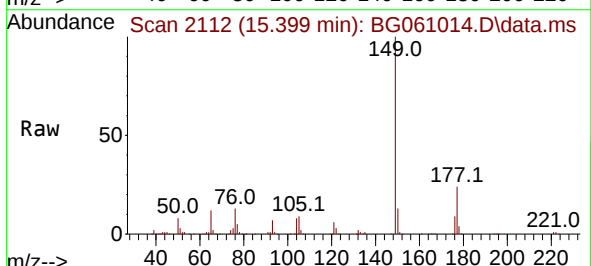
Manual Integrations  
APPROVED

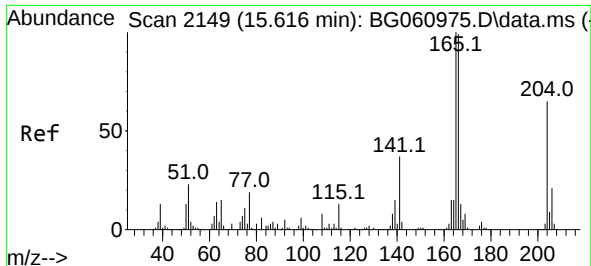
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#60  
Diethylphthalate  
Concen: 41.243 ng  
RT: 15.399 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

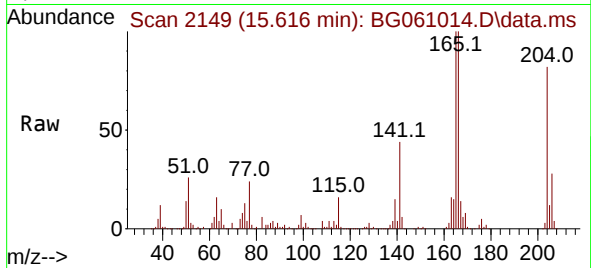
Tgt Ion:149 Resp: 256094  
Ion Ratio Lower Upper  
149 100  
177 23.5 18.8 28.2  
150 13.2 11.2 16.8





#61  
4-Chlorophenyl-phenylether  
Concen: 41.924 ng  
RT: 15.616 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

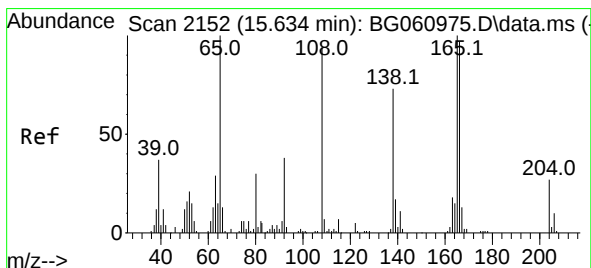
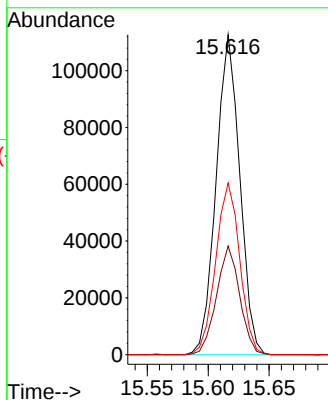
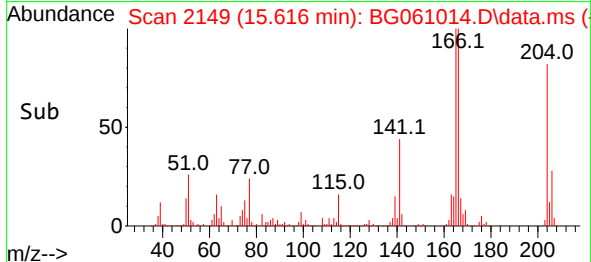
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



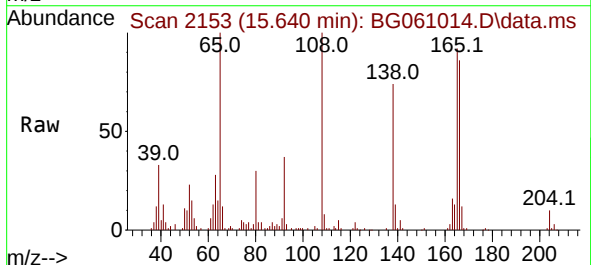
Tgt Ion:204 Resp: 152298  
Ion Ratio Lower Upper  
204 100  
206 34.0 25.6 38.4  
141 53.7 45.4 68.0

Manual Integrations  
APPROVED

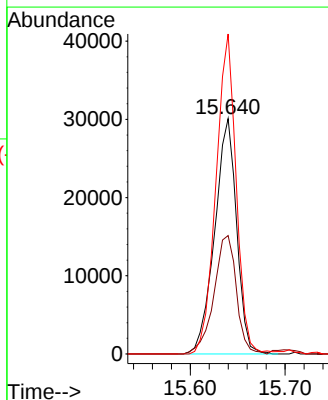
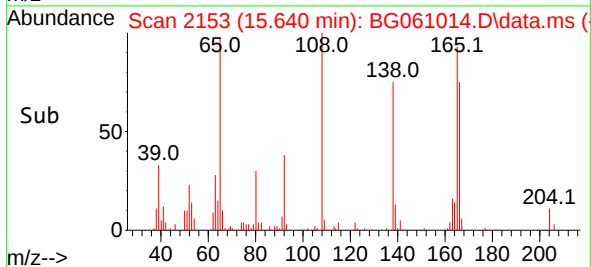
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

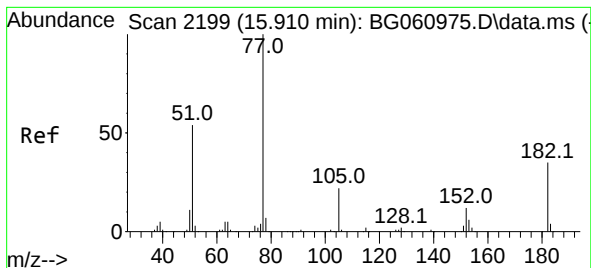


#62  
4-Nitroaniline  
Concen: 34.560 ng  
RT: 15.640 min Scan# 2153  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



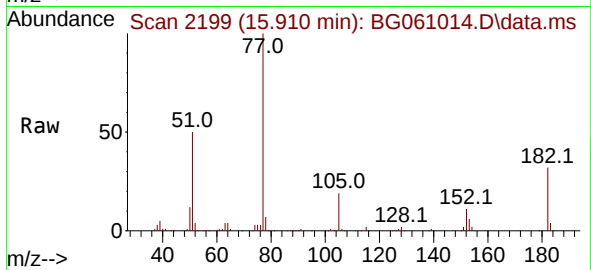
Tgt Ion:138 Resp: 48343  
Ion Ratio Lower Upper  
138 100  
92 50.3 32.2 72.2  
108 136.0 109.0 149.0





#63  
Azobenzene  
Concen: 41.624 ng  
RT: 15.910 min Scan# 2199  
Delta R.T. -0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

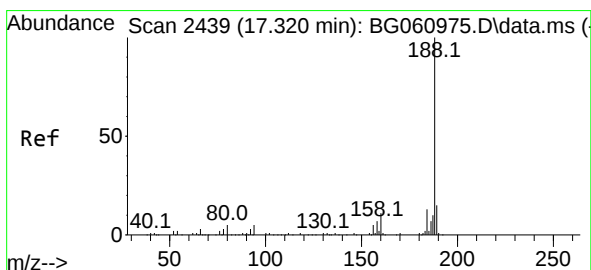
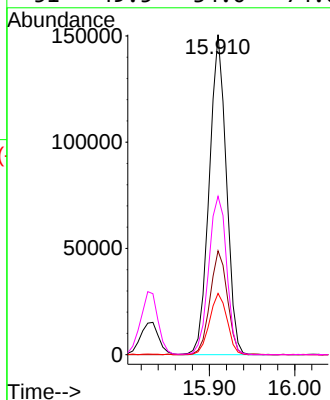
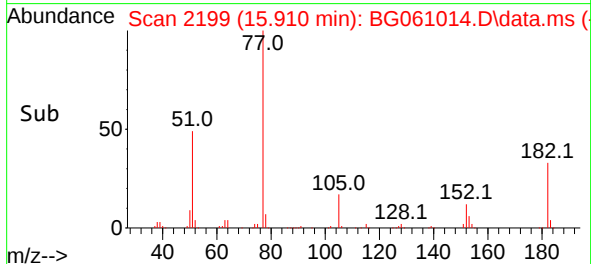
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion: 77 Resp: 210224  
Ion Ratio Lower Upper  
77 100  
182 32.4 14.5 54.5  
105 19.1 1.9 41.9  
51 49.5 34.0 74.0

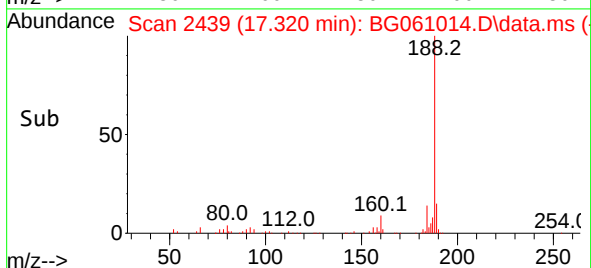
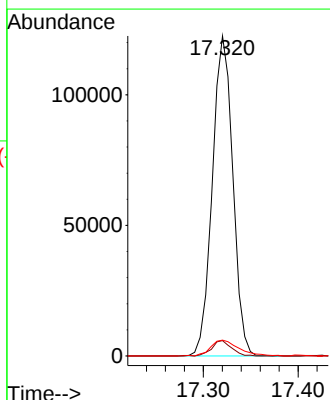
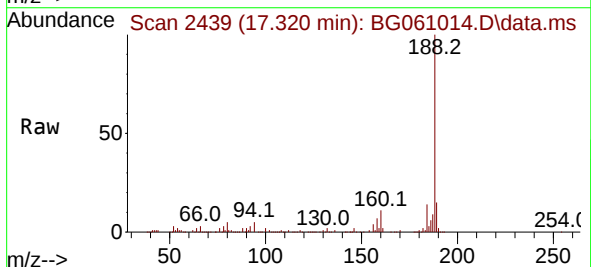
Manual Integrations  
APPROVED

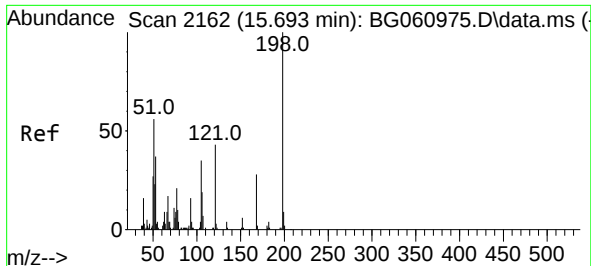
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.320 min Scan# 2439  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:188 Resp: 183898  
Ion Ratio Lower Upper  
188 100  
94 4.8 4.1 6.1  
80 5.0 4.0 6.0





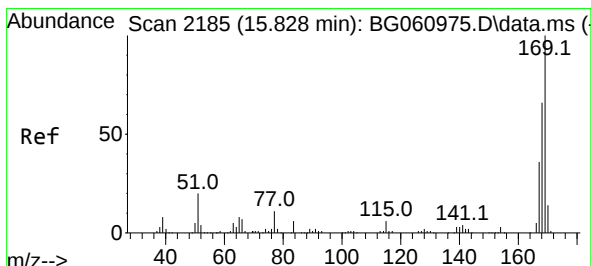
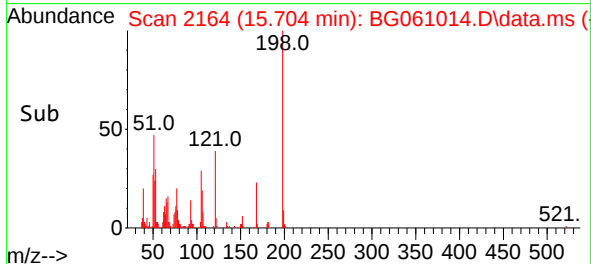
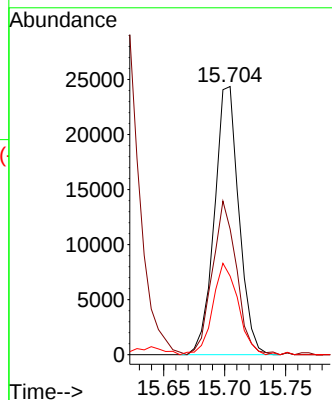
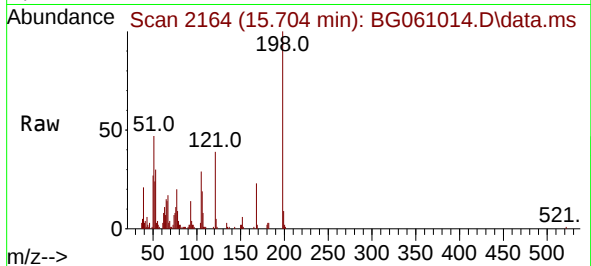
#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.985 ng  
RT: 15.704 min Scan# 2164  
Delta R.T. 0.011 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD

Tgt Ion:198 Resp: 3404  
Ion Ratio Lower Upper  
198 100  
51 46.9 38.6 78.6  
105 29.3 14.5 54.5

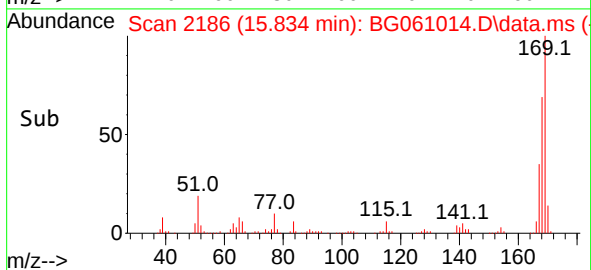
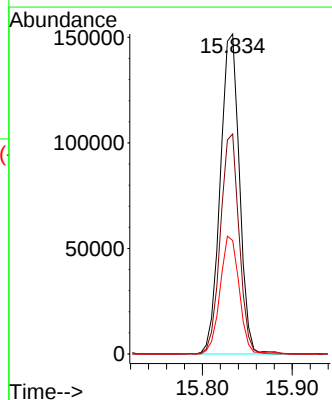
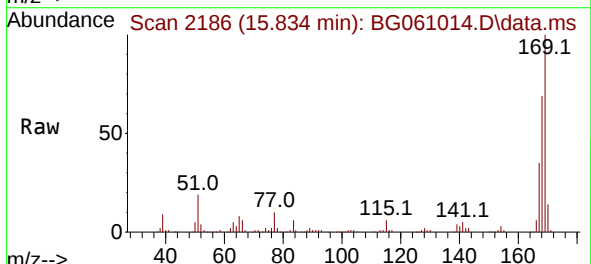
Manual Integrations  
APPROVED

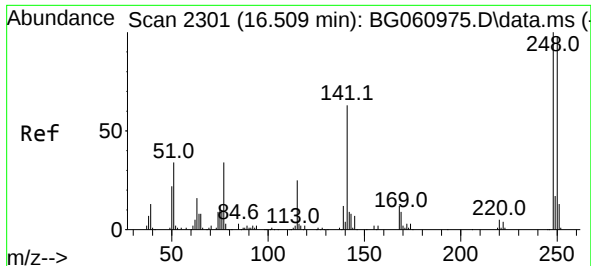
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 44.056 ng  
RT: 15.834 min Scan# 2186  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:169 Resp: 223207  
Ion Ratio Lower Upper  
169 100  
168 68.7 52.5 78.7  
167 35.4 28.8 43.2





#67

4-Bromophenyl-phenylether

Concen: 46.077 ng

RT: 16.509 min Scan# 2301

Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

Tgt Ion:248 Resp: 111829

Ion Ratio Lower Upper

248 100

250 97.7 78.7 118.1

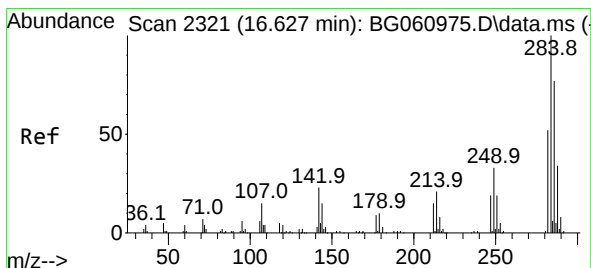
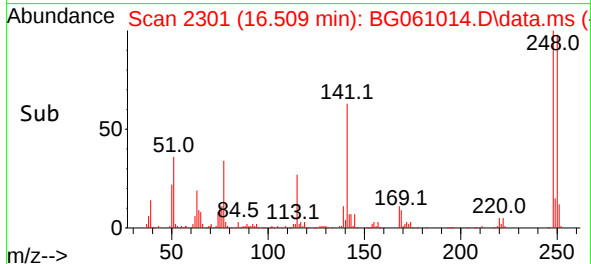
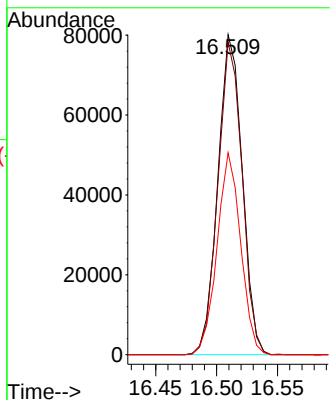
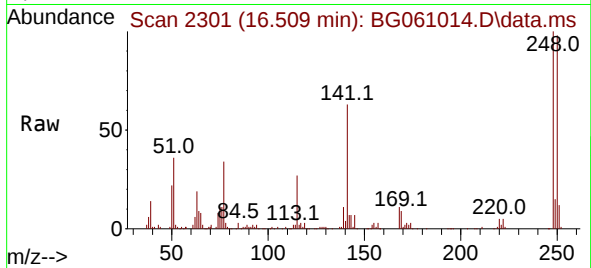
141 63.1 50.4 75.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#68

Hexachlorobenzene

Concen: 49.992 ng

RT: 16.627 min Scan# 2321

Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

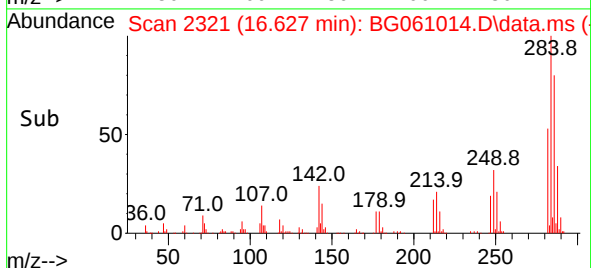
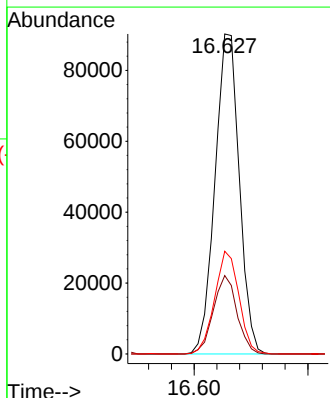
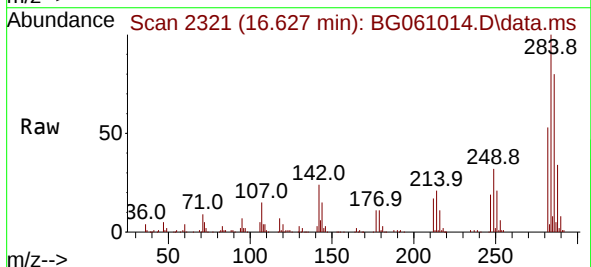
Tgt Ion:284 Resp: 134018

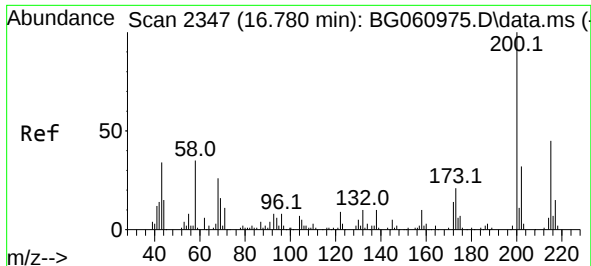
Ion Ratio Lower Upper

284 100

142 24.5 18.7 28.1

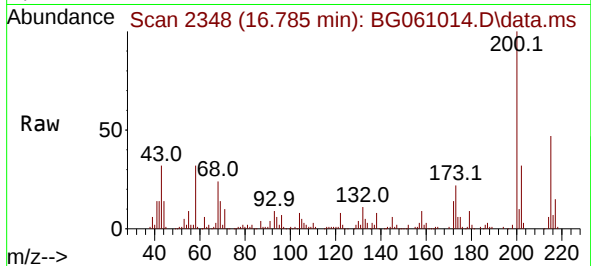
249 32.1 26.4 39.6





#69  
Atrazine  
Concen: 52.408 ng  
RT: 16.785 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

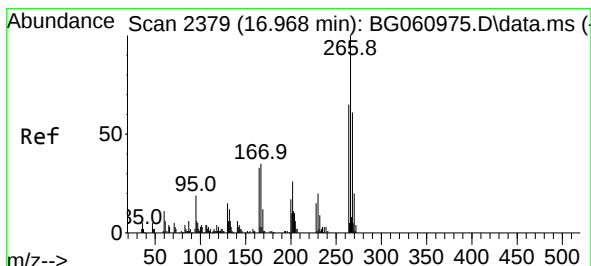
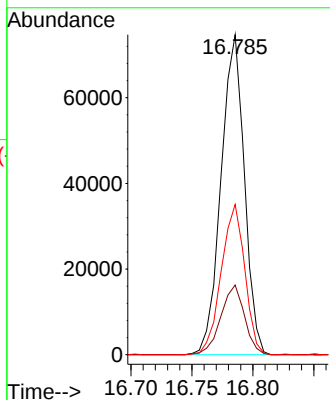
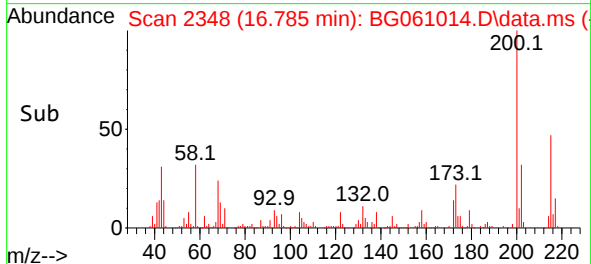
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:200 Resp: 99378  
Ion Ratio Lower Upper  
200 100  
173 21.8 1.4 41.4  
215 46.9 25.3 65.3

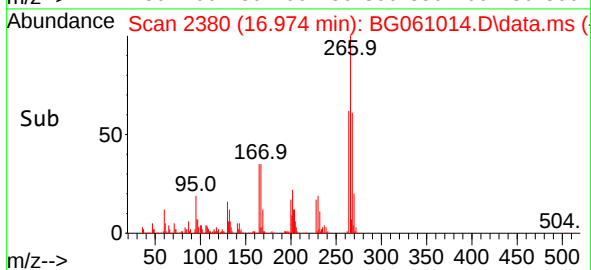
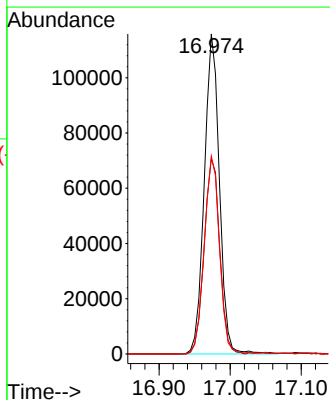
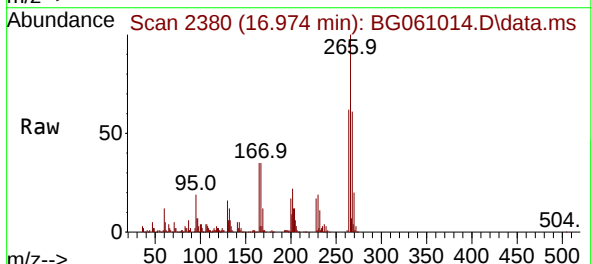
Manual Integrations  
APPROVED

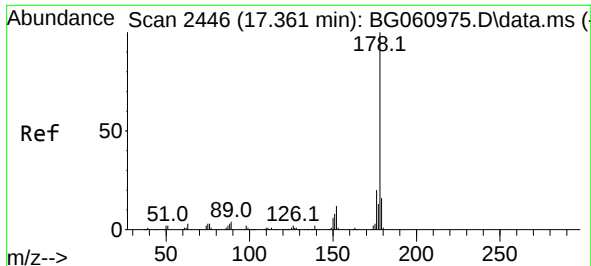
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#70  
Pentachlorophenol  
Concen: 97.638 ng  
RT: 16.974 min Scan# 2380  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

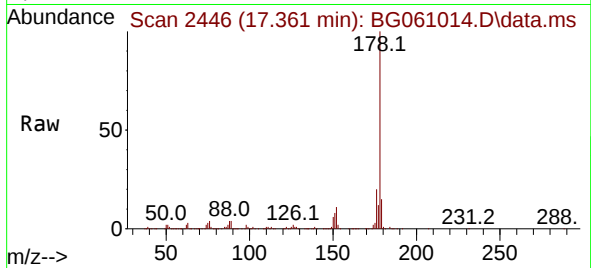
Tgt Ion:266 Resp: 171635  
Ion Ratio Lower Upper  
266 100  
268 61.1 49.1 73.7  
264 61.8 52.2 78.2





#71  
Phenanthrene  
Concen: 43.676 ng  
RT: 17.361 min Scan# 2446  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

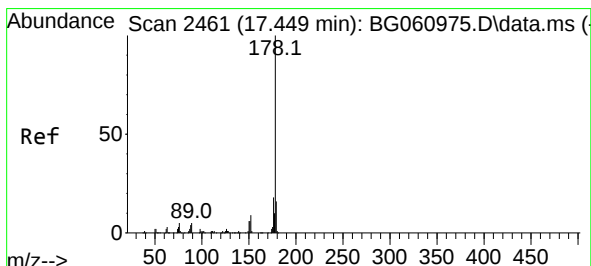
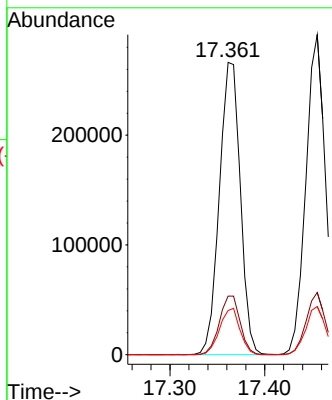
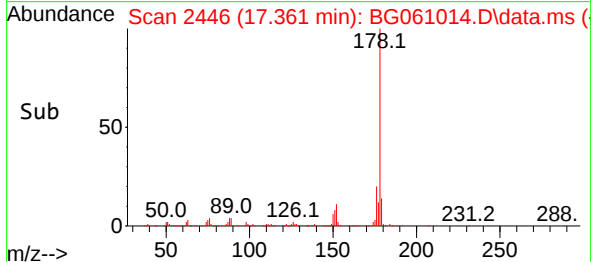
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



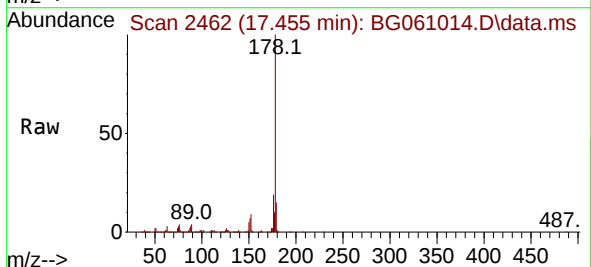
Tgt Ion:178 Resp: 409979  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.0 24.0  
179 15.1 12.5 18.7

Manual Integrations  
APPROVED

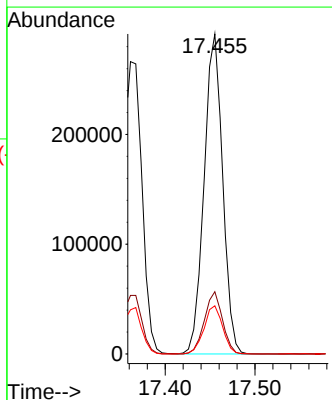
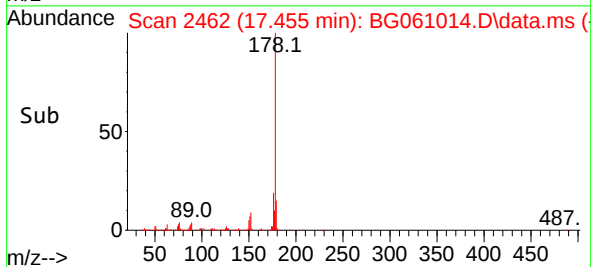
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

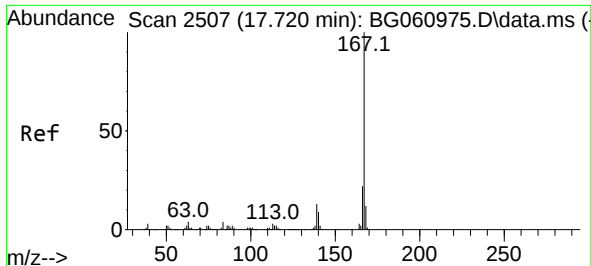


#72  
Anthracene  
Concen: 43.247 ng  
RT: 17.455 min Scan# 2462  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



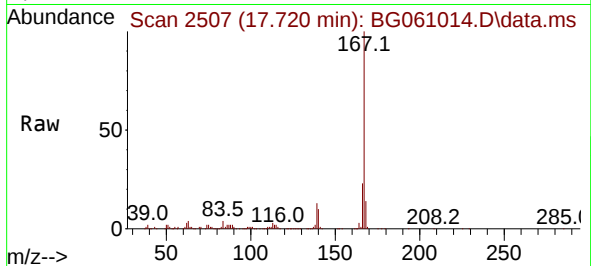
Tgt Ion:178 Resp: 418091  
Ion Ratio Lower Upper  
178 100  
176 19.5 14.7 22.1  
179 15.0 12.4 18.6





#73  
 Carbazole  
 Concen: 44.616 ng  
 RT: 17.720 min Scan# 2507  
 Delta R.T. 0.000 min  
 Lab File: BG061014.D  
 Acq: 23 Apr 2024 19:21

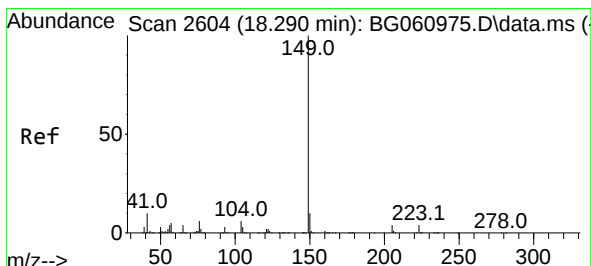
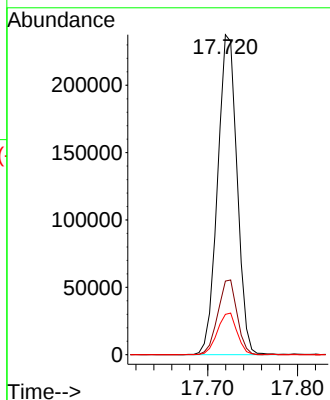
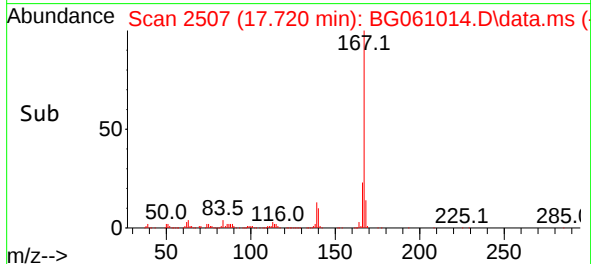
Instrument :  
 BNA\_G  
 ClientSampleId :  
 RPI-SS-DUP-01MSD



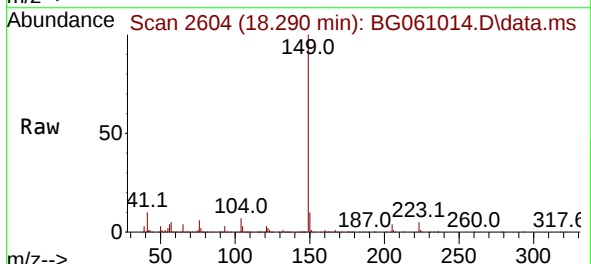
Tgt Ion:167 Resp: 358219  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 17.8 26.8  
 139 12.6 10.2 15.2

Manual Integrations  
 APPROVED

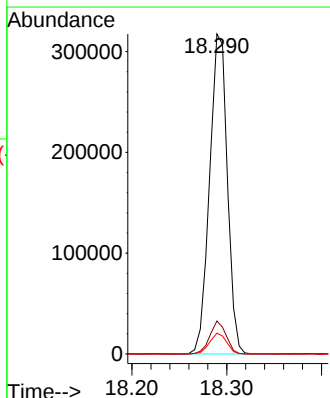
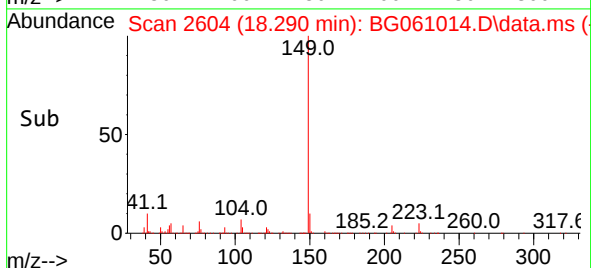
Reviewed By :Yogesh Patel 04/24/2024  
 Supervised By :mohammad ahmed 04/27/2024

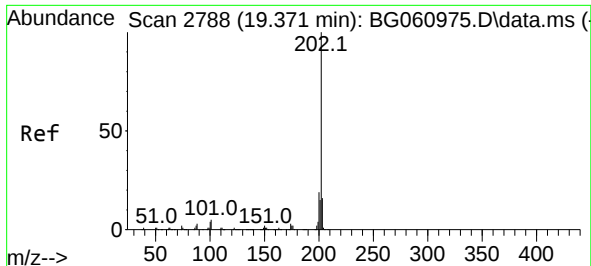


#74  
 Di-n-butylphthalate  
 Concen: 42.362 ng  
 RT: 18.290 min Scan# 2604  
 Delta R.T. 0.000 min  
 Lab File: BG061014.D  
 Acq: 23 Apr 2024 19:21



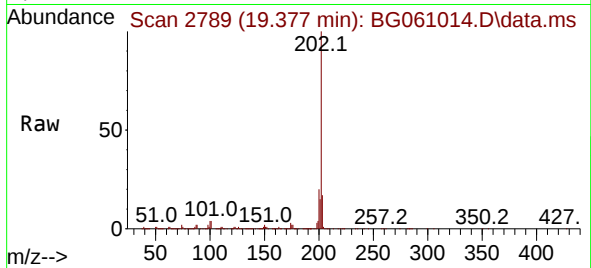
Tgt Ion:149 Resp: 412938  
 Ion Ratio Lower Upper  
 149 100  
 150 10.3 7.7 11.5  
 104 6.5 5.0 7.6





#75  
Fluoranthene  
Concen: 42.450 ng  
RT: 19.377 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

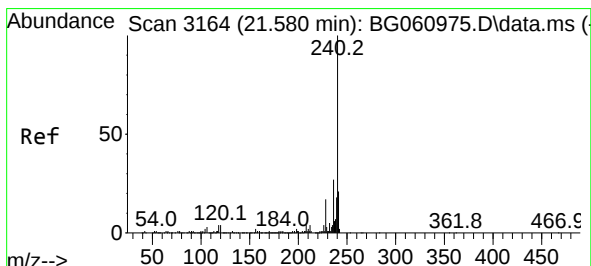
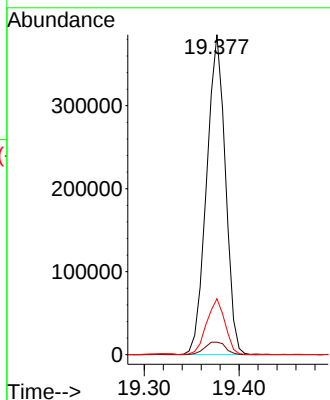
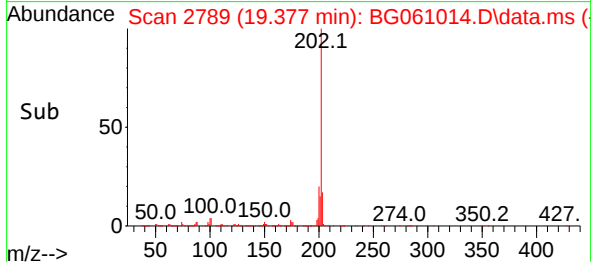
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



Tgt Ion:202 Resp: 528819  
Ion Ratio Lower Upper  
202 100  
101 3.9 0.0 24.9  
203 17.5 0.0 36.2

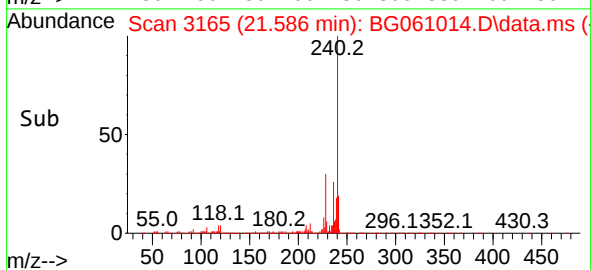
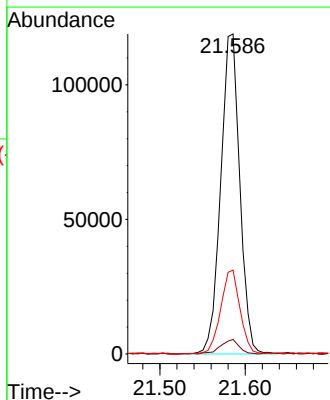
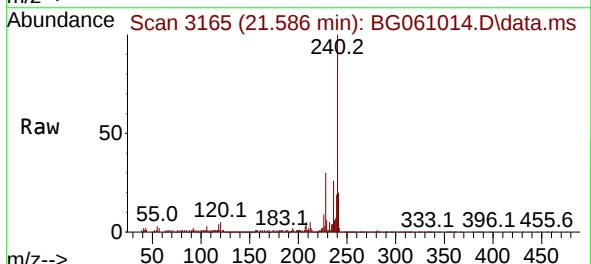
Manual Integrations  
APPROVED

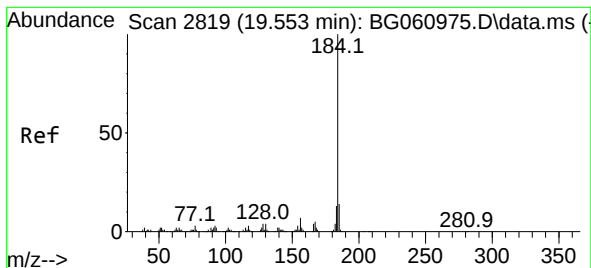
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.586 min Scan# 3165  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

Tgt Ion:240 Resp: 185231  
Ion Ratio Lower Upper  
240 100  
120 4.6 3.0 4.6  
236 26.2 21.8 32.6





#77

Benzidine

Concen: 43.319 ng

RT: 19.553 min Scan# 2819

Delta R.T. -0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

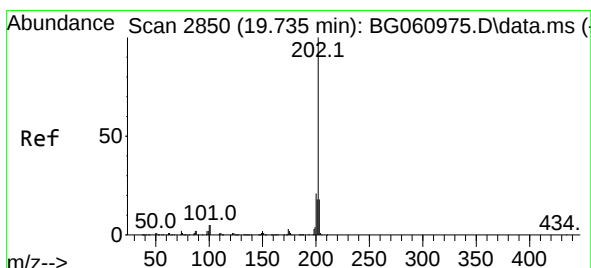
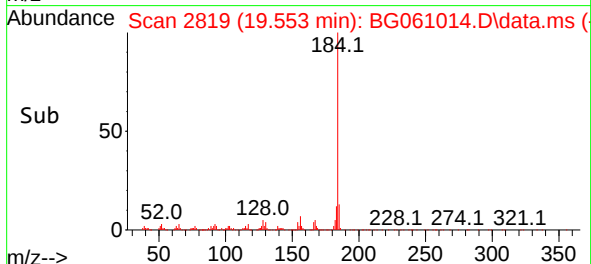
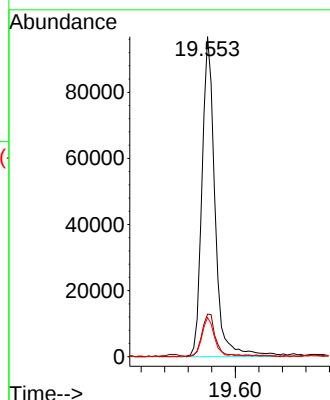
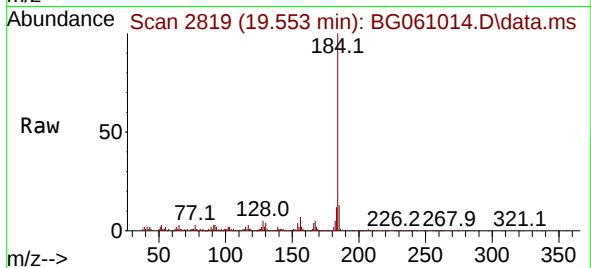
Tgt Ion:184 Resp: 148675  
 Ion Ratio Lower Upper  
 184 100  
 185 13.3 11.3 16.9  
 183 12.2 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#78

Pyrene

Concen: 42.871 ng

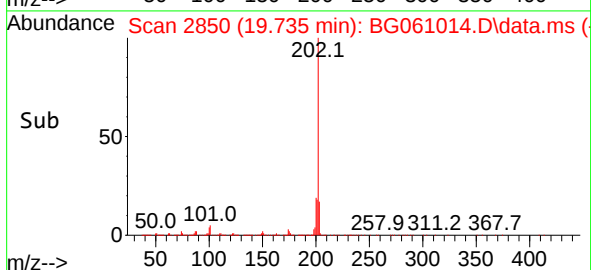
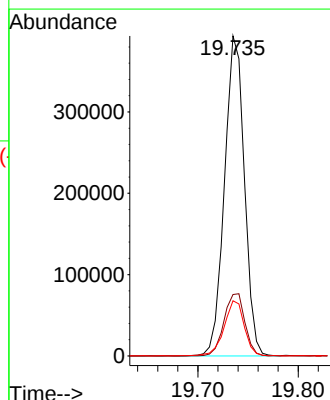
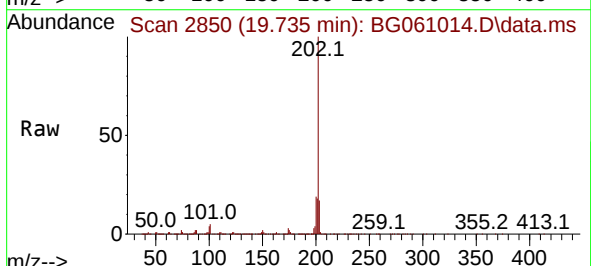
RT: 19.735 min Scan# 2850

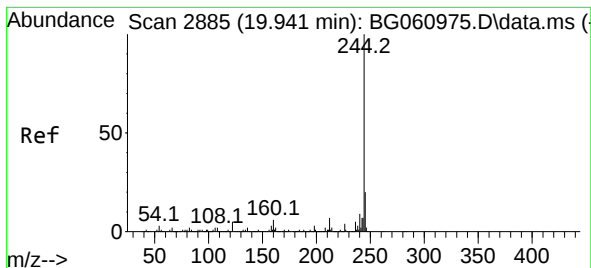
Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Tgt Ion:202 Resp: 540702  
 Ion Ratio Lower Upper  
 202 100  
 200 19.2 16.8 25.2  
 203 17.2 14.2 21.2





#79

Terphenyl-d14

Concen: 62.527 ng

RT: 19.941 min Scan# 2885

Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

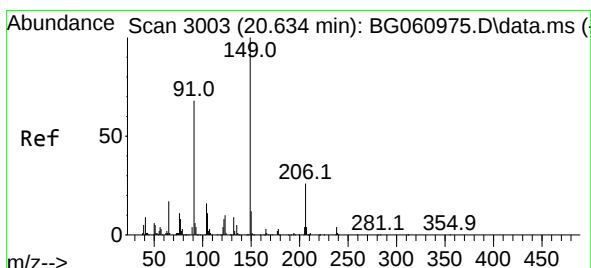
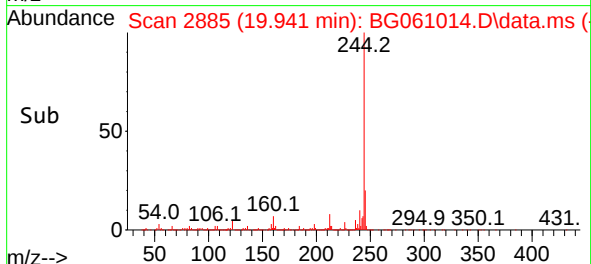
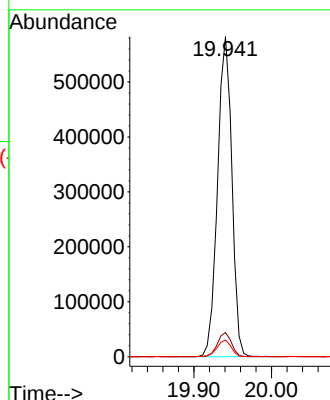
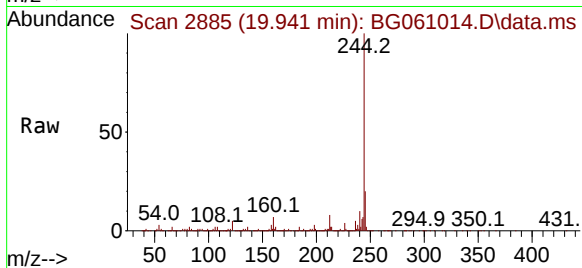
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 244   | Resp: | 746144 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 7.5   | 5.9   | 8.9    |
| 122       | 5.2   | 4.2   | 6.2    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#80

Butylbenzylphthalate

Concen: 42.115 ng

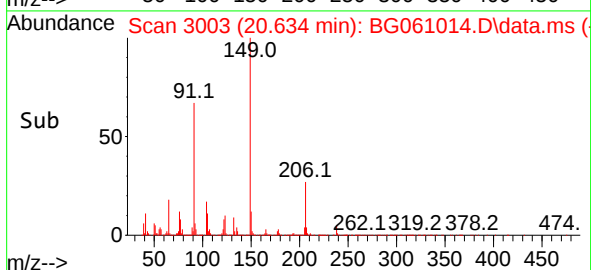
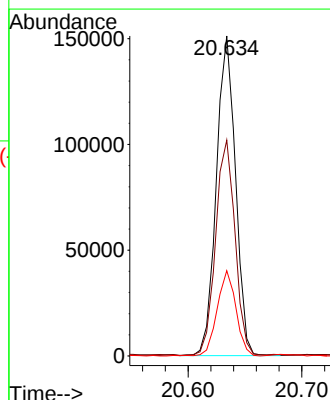
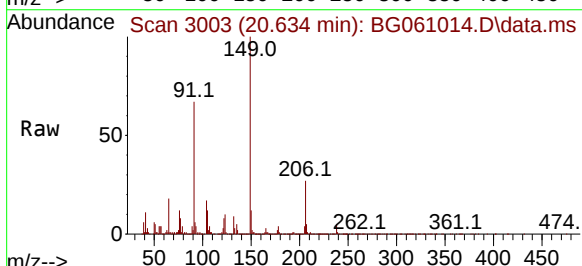
RT: 20.634 min Scan# 3003

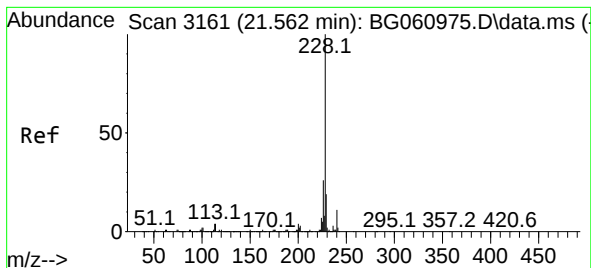
Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 177041 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 67.5  | 54.4  | 81.6   |
| 206       | 26.6  | 20.8  | 31.2   |





#81

Benzo(a)anthracene

Concen: 45.110 ng

RT: 21.562 min Scan# 3161

Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

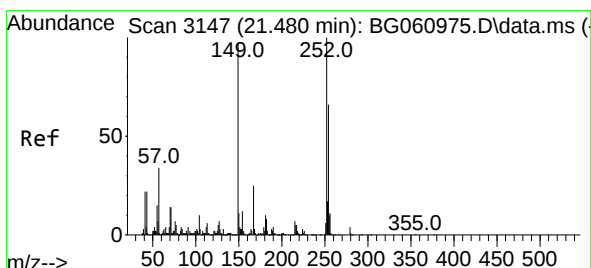
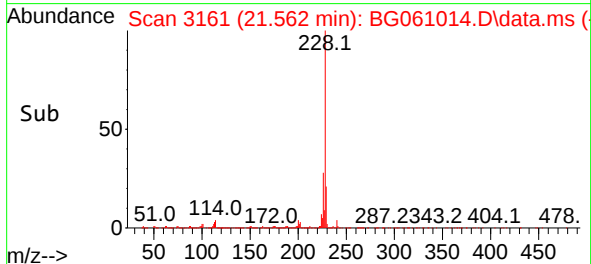
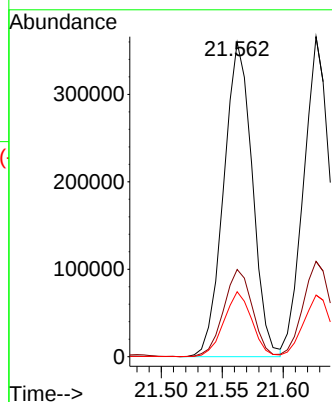
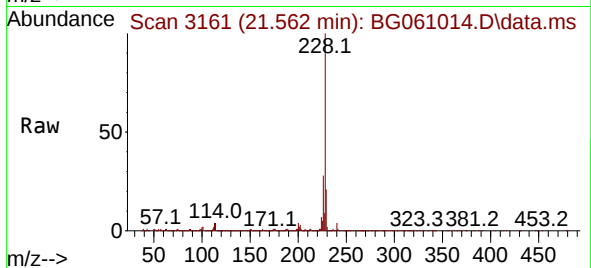
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 587460 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.7  | 21.0  | 31.4   |
| 229       | 20.7  | 15.0  | 22.4   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#82

3,3'-Dichlorobenzidine

Concen: 31.191 ng

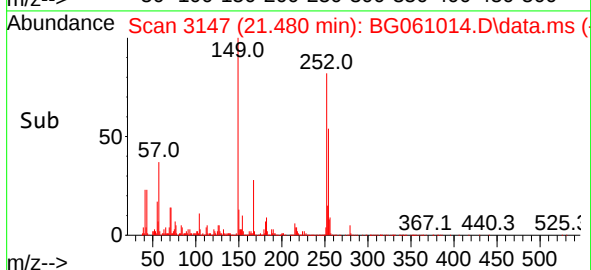
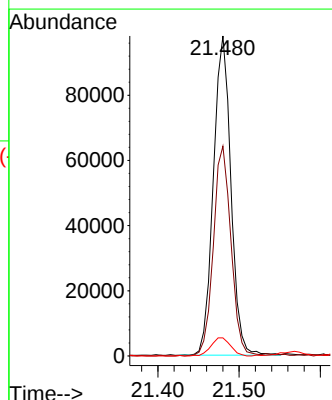
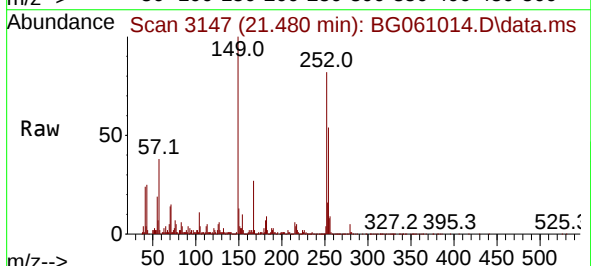
RT: 21.480 min Scan# 3147

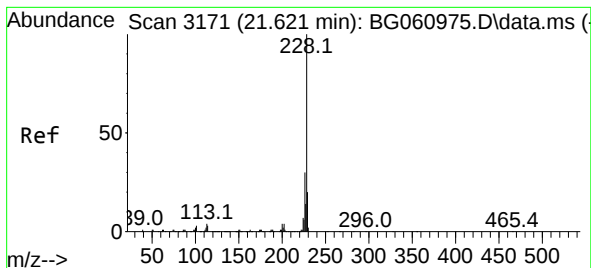
Delta R.T. -0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 146800 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 65.5  | 52.7  | 79.1   |
| 126       | 5.7   | 4.2   | 6.2    |





#83

Chrysene

Concen: 44.161 ng

RT: 21.627 min Scan# 3171

Delta R.T. 0.006 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

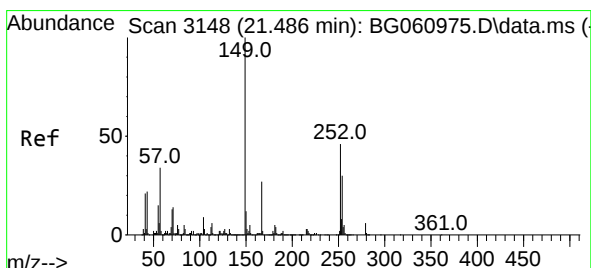
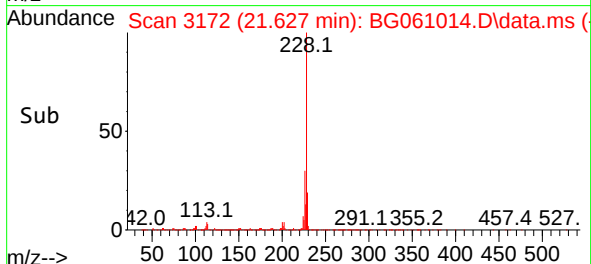
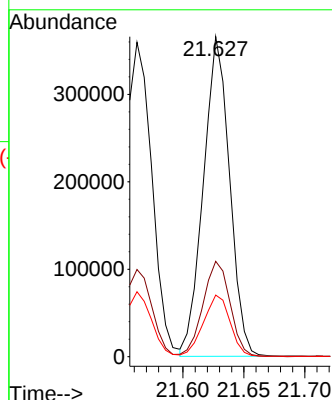
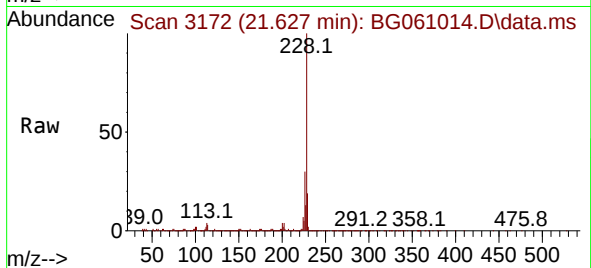
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 547540 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 29.8  | 24.2  | 36.2   |
| 229       | 19.2  | 15.7  | 23.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.088 ng

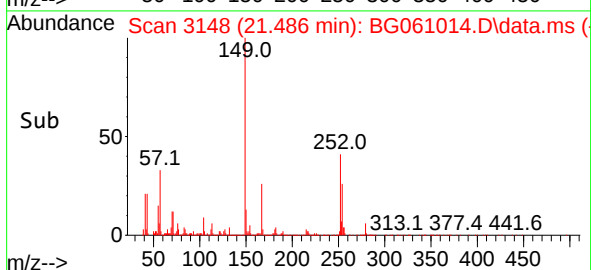
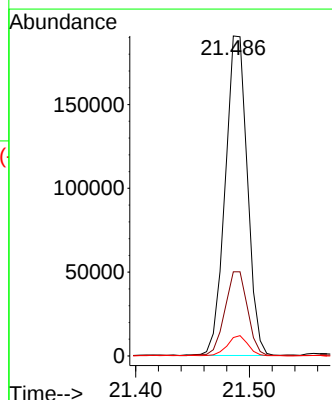
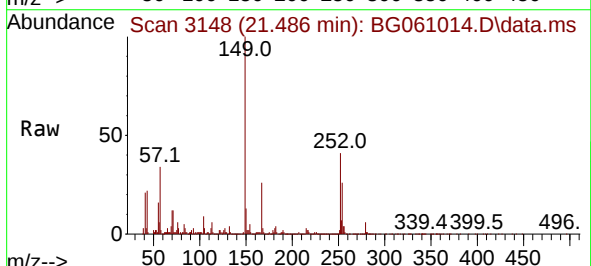
RT: 21.486 min Scan# 3148

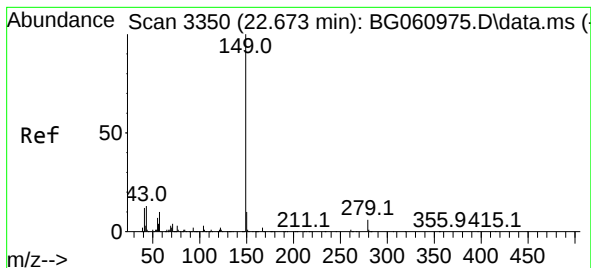
Delta R.T. 0.000 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

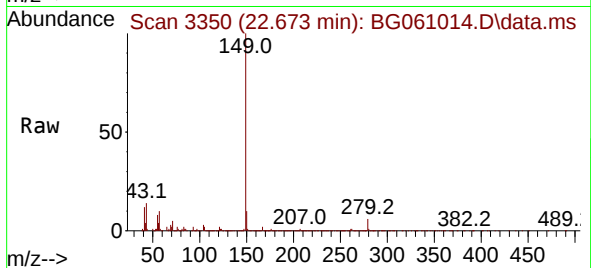
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 257231 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.3  | 21.8  | 32.8   |
| 279       | 5.8   | 4.4   | 6.6    |





#85  
Di-n-octyl phthalate  
Concen: 43.170 ng  
RT: 22.673 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

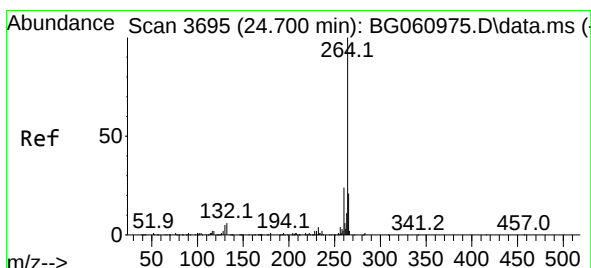
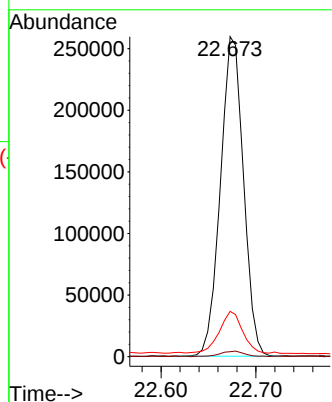
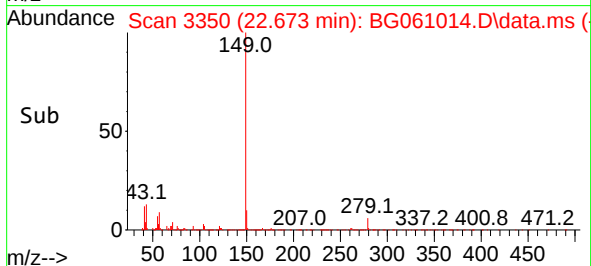
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



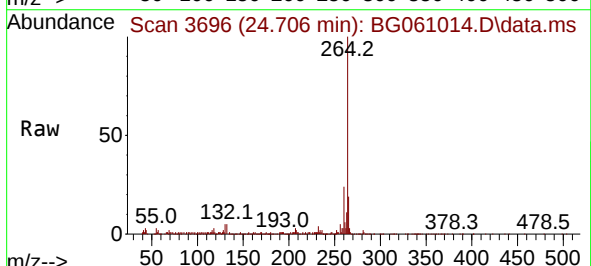
Tgt Ion:149 Resp: 43804  
Ion Ratio Lower Upper  
149 100  
167 1.9 1.4 2.2  
43 13.2 11.0 16.6

Manual Integrations  
APPROVED

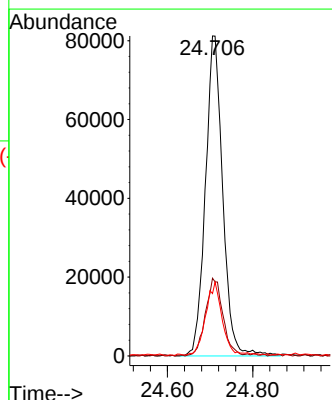
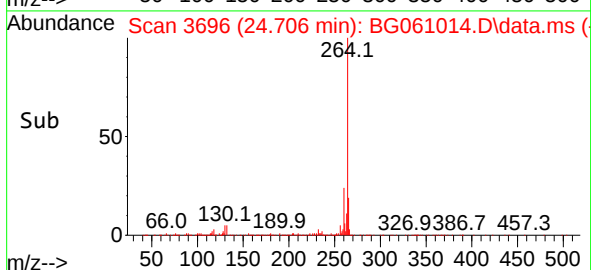
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

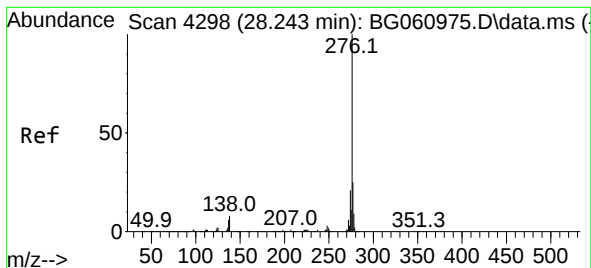


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.706 min Scan# 3696  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



Tgt Ion:264 Resp: 228747  
Ion Ratio Lower Upper  
264 100  
260 24.3 19.4 29.2  
265 19.5 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.286 ng m

RT: 28.260 min Scan# 41

Delta R.T. 0.018 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

Tgt Ion:276 Resp: 718610

Ion Ratio Lower Upper

276 100

138 5.0 5.3 7.9

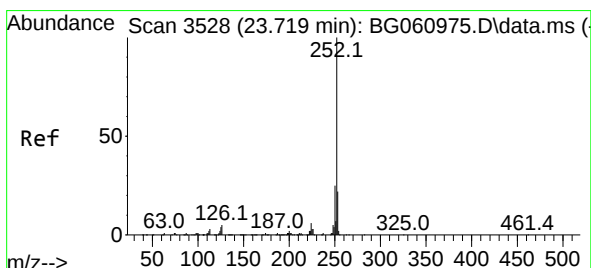
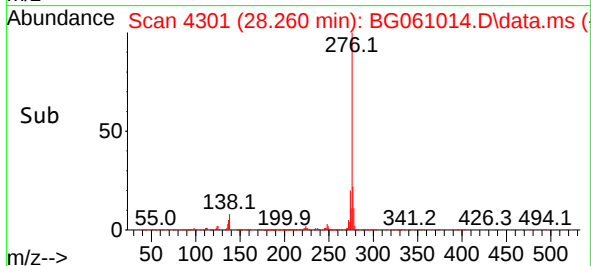
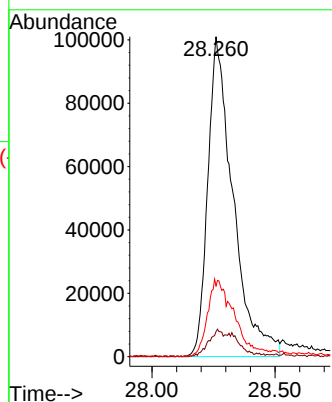
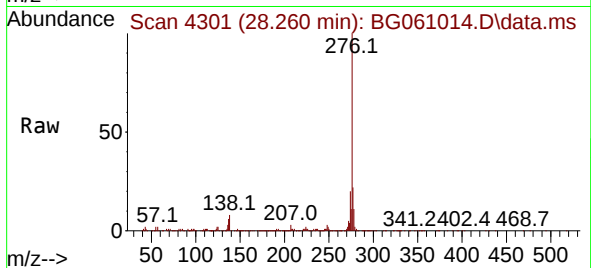
277 25.9 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#88

Benzo(b)fluoranthene

Concen: 45.561 ng

RT: 23.724 min Scan# 3529

Delta R.T. 0.006 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

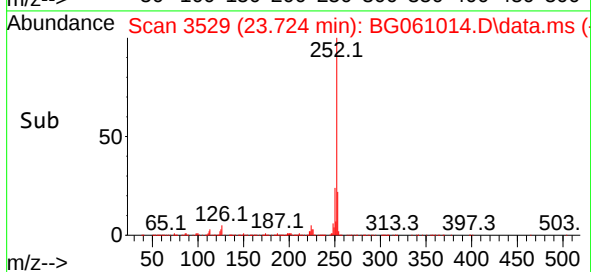
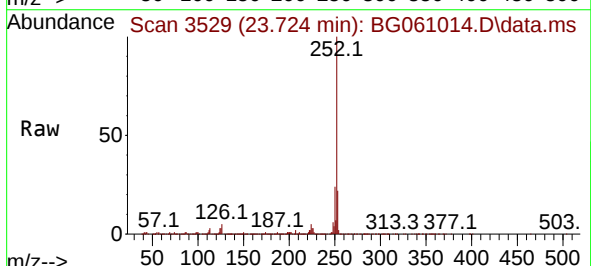
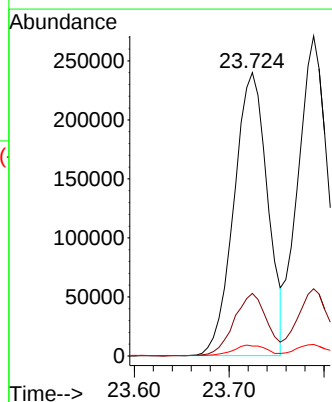
Tgt Ion:252 Resp: 590602

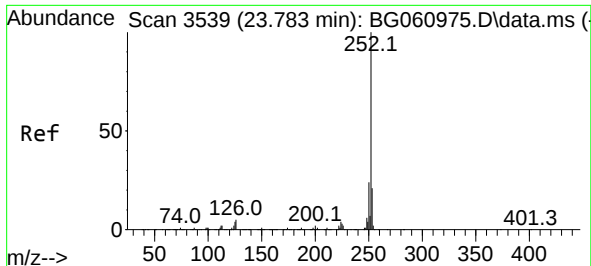
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

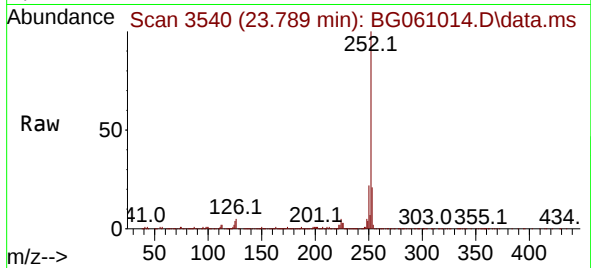
125 3.5 3.3 4.9





#89  
Benzo(k)fluoranthene  
Concen: 45.896 ng  
RT: 23.789 min Scan# 3539  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21

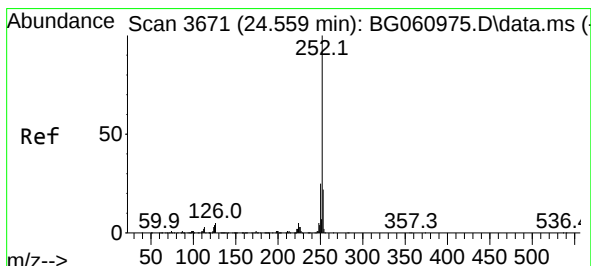
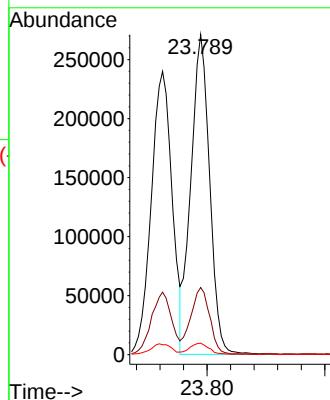
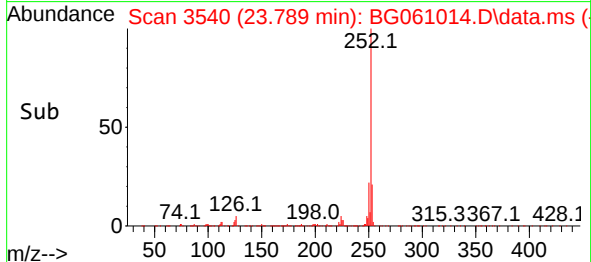
Instrument :  
BNA\_G  
ClientSampleId :  
RPI-SS-DUP-01MSD



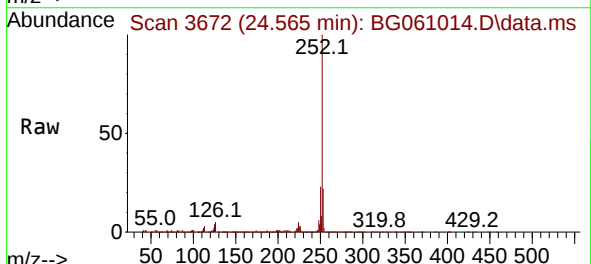
Tgt Ion:252 Resp: 600589  
Ion Ratio Lower Upper  
252 100  
253 21.0 16.6 25.0  
125 3.6 3.3 4.9

Manual Integrations  
APPROVED

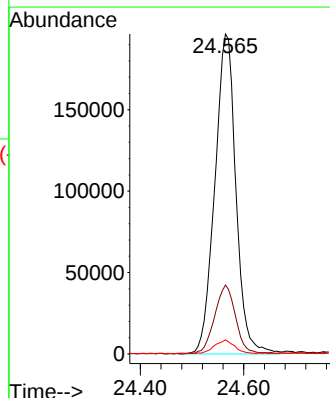
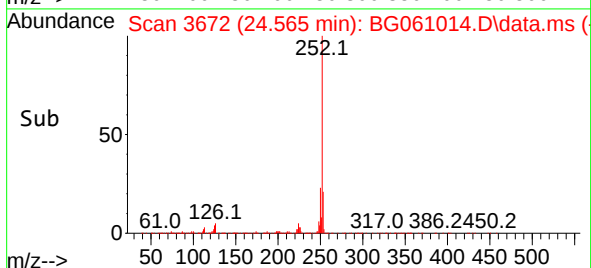
Reviewed By :Yogesh Patel 04/24/2024  
Supervised By :mohammad ahmed 04/27/2024

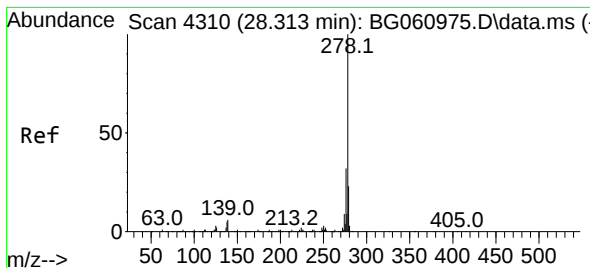


#90  
Benzo(a)pyrene  
Concen: 44.356 ng  
RT: 24.565 min Scan# 3672  
Delta R.T. 0.006 min  
Lab File: BG061014.D  
Acq: 23 Apr 2024 19:21



Tgt Ion:252 Resp: 556549  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.7 26.5  
125 4.4 3.6 5.4





#91

Dibenzo(a,h)anthracene

Concen: 46.182 ng

RT: 28.325 min Scan# 41

Delta R.T. 0.012 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Instrument :

BNA\_G

ClientSampleId :

RPI-SS-DUP-01MSD

Tgt Ion:278 Resp: 598720

Ion Ratio Lower Upper

278 100

139 5.4 4.7 7.1

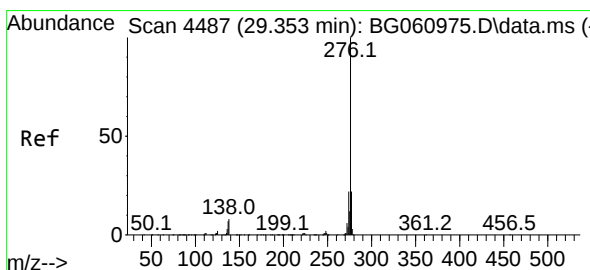
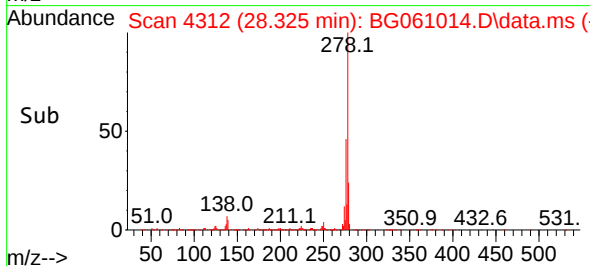
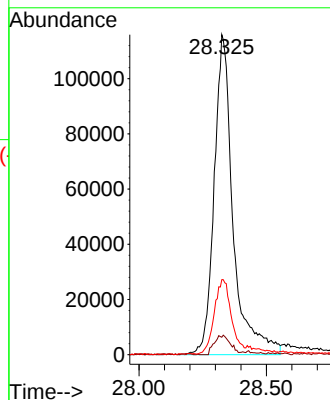
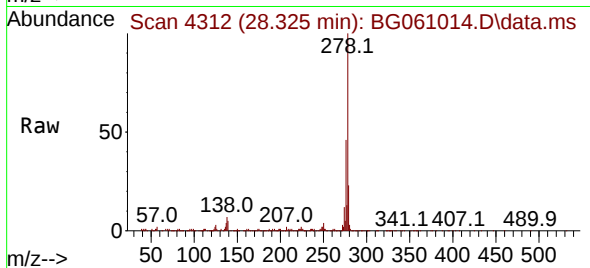
279 23.5 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/27/2024



#92

Benzo(g,h,i)perylene

Concen: 39.370 ng

RT: 29.365 min Scan# 4489

Delta R.T. 0.012 min

Lab File: BG061014.D

Acq: 23 Apr 2024 19:21

Tgt Ion:276 Resp: 506086

Ion Ratio Lower Upper

276 100

277 25.8 18.0 27.0

138 7.0 6.5 9.7

