

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG080323\  
 Data File : BG058598.D  
 Acq On : 3 Aug 2023 18:24  
 Operator : MA/JU  
 Sample : 03742-03MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

## Instrument :

BNA\_G

## ClientSampleId :

B-P32BMSD

## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023

Quant Time: Aug 04 02:05:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.814  | 152  | 48137    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.616 | 136  | 209753   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.459 | 164  | 142606   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.208 | 188  | 327521   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.451 | 240  | 279820   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.518 | 264  | 365478   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.387  | 112  | 361673   | 114.839 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.985  | 99   | 515694   | 117.676 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.977  | 82   | 307734   | 72.073  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 240029   | 102.690 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.084 | 172  | 678169   | 71.266  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.823 | 244  | 1166925  | 78.423  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.266  | 88   | 63197    | 41.411  | ng    | 99       |
| 3) Pyridine                   | 3.660  | 79   | 153670   | 36.934  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.583  | 42   | 83773    | 47.520  | ng    | 100      |
| 6) Aniline                    | 7.138  | 93   | 143225   | 26.545  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.379  | 128  | 172248   | 55.751  | ng    | 98       |
| 9) Benzaldehyde               | 6.950  | 77   | 103846   | 43.616  | ng    | 99       |
| 10) Phenol                    | 7.015  | 94   | 237493   | 55.478  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.238  | 93   | 168945   | 50.060  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.702  | 146  | 170678   | 51.734  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.849  | 146  | 172501   | 52.074  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.166  | 146  | 170512   | 53.838  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.054  | 79   | 159480   | 57.384  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.342  | 45   | 285187   | 52.021  | ng    | 99       |
| 17) 2-Methylphenol            | 8.260  | 107  | 157971   | 50.469  | ng    | 98       |
| 18) Hexachloroethane          | 8.889  | 117  | 64495    | 53.565  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.619  | 70   | 134612   | 47.555  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.589  | 107  | 218571   | 51.624  | ng    | 99       |
| 22) Acetophenone              | 8.636  | 105  | 270275   | 48.123  | ng    | 99       |
| 24) Nitrobenzene              | 9.018  | 77   | 204965   | 47.219  | ng    | 98       |
| 25) Isophorone                | 9.541  | 82   | 390935   | 44.313  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.729  | 139  | 95256    | 50.413  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.794  | 122  | 149322   | 47.643  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.023 | 93   | 230732   | 48.059  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.270 | 162  | 169805   | 52.180  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.481 | 180  | 186594   | 49.720  | ng    | 99       |
| 31) Naphthalene               | 10.663 | 128  | 526997   | 47.670  | ng    | 99       |
| 32) Benzoic acid              | 9.958  | 122  | 122744   | 50.986  | ng    | 98       |
| 33) 4-Chloroaniline           | 10.775 | 127  | 93683    | 20.057  | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.945 | 225  | 115253   | 47.687  | ng    | 99       |
| 35) Caprolactam               | 11.568 | 113  | 57834m   | 48.126  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.915 | 107  | 200805   | 49.882  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.279 | 142  | 359468   | 45.456  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.502 | 142  | 348359   | 46.342  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.649 | 216  | 213224   | 48.702  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.626 | 237  | 144442   | 71.794  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.896 | 196  | 152899   | 50.774  | ng    | 99       |

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Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-P32BMSD

Manual Integrations  
 APPROVED

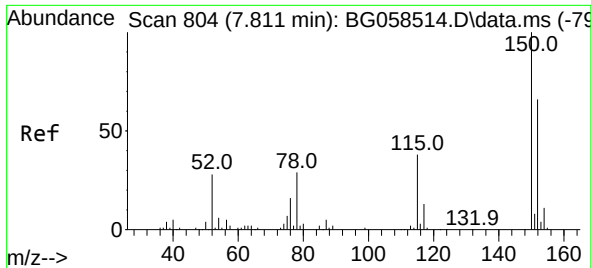
Reviewed By :Yogesh Patel 08/04/2023  
 Supervised By :mohammad ahmed 08/04/2023

Quant Time: Aug 04 02:05:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.972 | 196  | 166892   | 47.053 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.295 | 154  | 475523   | 48.555 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.337 | 162  | 381417   | 49.950 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.548 | 65   | 142652   | 48.944 | ng    | 93       |
| 49) Acenaphthylene            | 14.183 | 152  | 624094   | 48.817 | ng    | 100      |
| 50) Dimethylphthalate         | 13.918 | 163  | 483990   | 45.190 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.042 | 165  | 111246   | 47.339 | ng    | 96       |
| 52) Acenaphthene              | 14.529 | 154  | 353489   | 47.852 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.371 | 138  | 77423    | 32.930 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.588 | 184  | 100589   | 76.312 | ng    | 99       |
| 55) Dibenzofuran              | 14.864 | 168  | 594230   | 46.814 | ng    | 99       |
| 56) 4-Nitrophenol             | 14.694 | 139  | 173125   | 98.567 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 14.835 | 165  | 158003   | 48.498 | ng    | 98       |
| 58) Fluorene                  | 15.510 | 166  | 468268   | 46.438 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.093 | 232  | 144746   | 47.824 | ng    | 100      |
| 60) Diethylphthalate          | 15.281 | 149  | 495061   | 45.373 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.499 | 204  | 257008   | 45.716 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.540 | 138  | 107441   | 48.240 | ng    | 96       |
| 63) Azobenzene                | 15.798 | 77   | 498236   | 46.361 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.599 | 198  | 82565    | 45.719 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.722 | 169  | 411665   | 48.292 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.398 | 248  | 177168   | 47.693 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.515 | 284  | 197742   | 50.234 | ng    | 99       |
| 69) Atrazine                  | 16.668 | 200  | 164882   | 57.297 | ng    | 100      |
| 70) Pentachlorophenol         | 16.862 | 266  | 206094   | 86.499 | ng    | 98       |
| 71) Phenanthrene              | 17.250 | 178  | 742281   | 47.789 | ng    | 99       |
| 72) Anthracene                | 17.338 | 178  | 755646   | 47.413 | ng    | 99       |
| 73) Carbazole                 | 17.614 | 167  | 699471   | 49.770 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.166 | 149  | 861966   | 48.965 | ng    | 100      |
| 75) Fluoranthene              | 19.265 | 202  | 895855   | 48.015 | ng    | 99       |
| 77) Benzidine                 | 19.447 | 184  | 280821   | 66.181 | ng    | 98       |
| 78) Pyrene                    | 19.629 | 202  | 921612   | 48.396 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.516 | 149  | 392018   | 50.116 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.433 | 228  | 943817   | 49.012 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.351 | 252  | 248284   | 38.133 | ng    | 100      |
| 83) Chrysene                  | 21.492 | 228  | 876221   | 47.457 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.333 | 149  | 566102   | 49.524 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.485 | 149  | 1010313  | 50.272 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 28.013 | 276  | 1176037  | 48.369 | ng    | # 80     |
| 88) Benzo(b)fluoranthene      | 23.548 | 252  | 993874   | 50.138 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.613 | 252  | 970183   | 48.719 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.377 | 252  | 892256   | 45.834 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 28.078 | 278  | 973672   | 48.431 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 29.112 | 276  | 908600   | 45.070 | ng    | 99       |

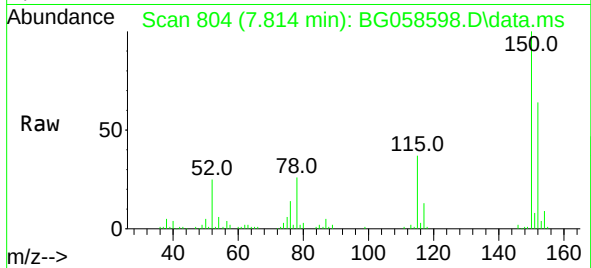
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.814 min Scan# 80  
Delta R.T. 0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

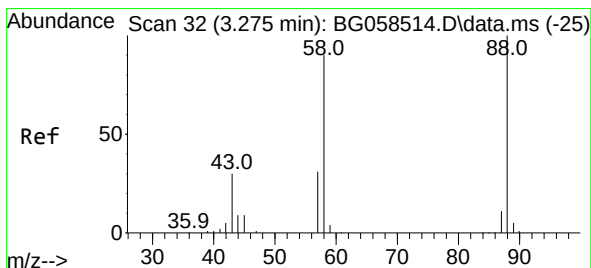
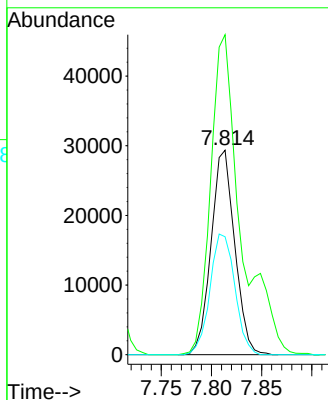
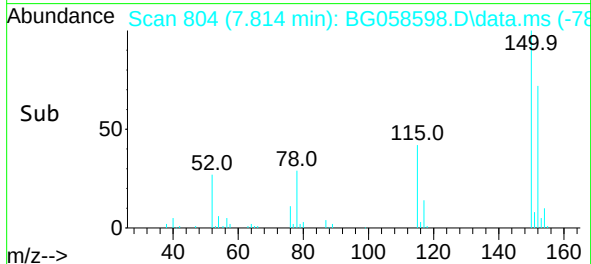
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



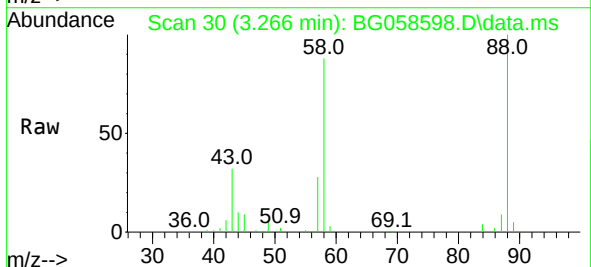
Tgt Ion:152 Resp: 4813  
Ion Ratio Lower Upper  
152 100  
150 156.5 120.5 180.7  
115 57.6 45.9 68.9

Manual Integrations  
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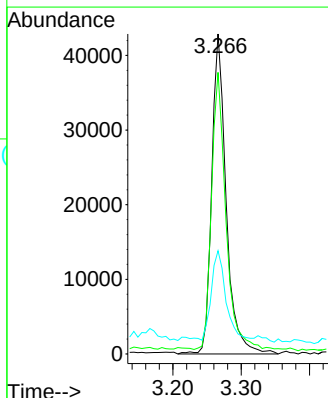
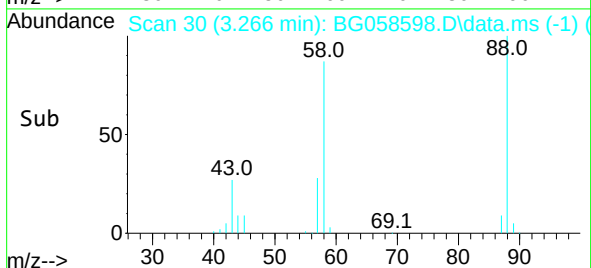
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

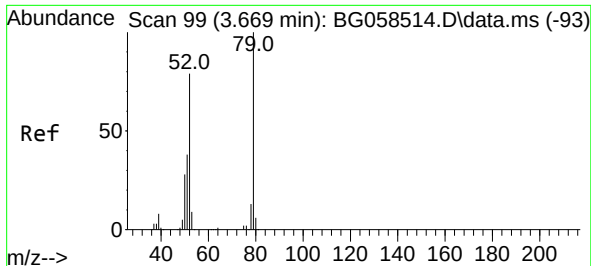


#2  
1,4-Dioxane  
Concen: 41.411 ng  
RT: 3.266 min Scan# 30  
Delta R.T. -0.009 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



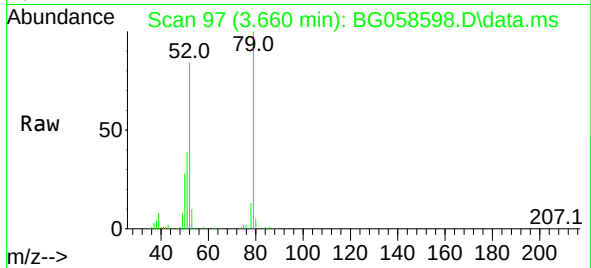
Tgt Ion: 88 Resp: 63197  
Ion Ratio Lower Upper  
88 100  
58 85.9 68.9 103.3  
43 26.7 22.9 34.3





#3  
 Pyridine  
 Concen: 36.934 ng  
 RT: 3.660 min Scan# 91  
 Delta R.T. -0.009 min  
 Lab File: BG058598.D  
 Acq: 3 Aug 2023 18:24

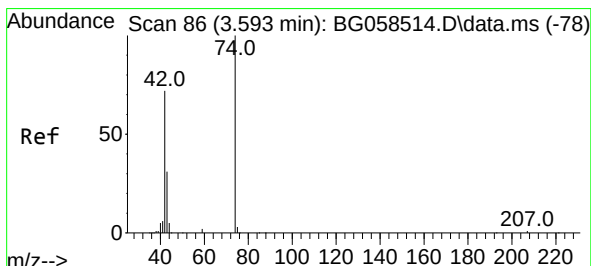
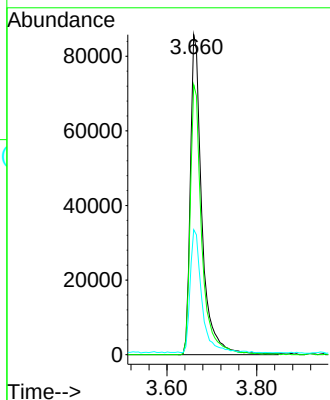
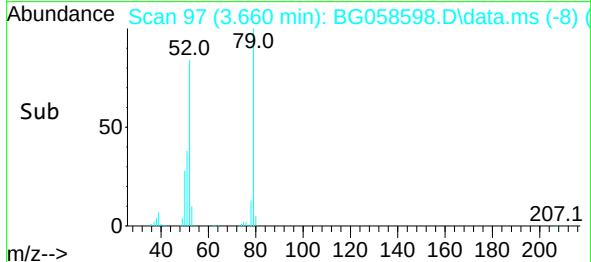
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-P32BMDS



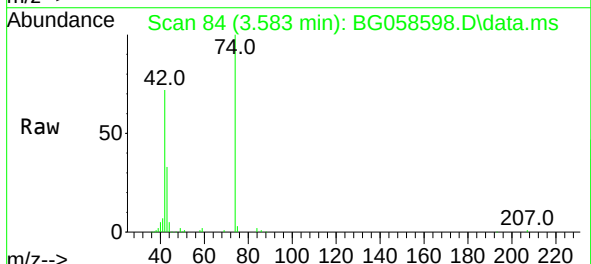
Tgt Ion: 79 Resp: 153670  
 Ion Ratio Lower Upper  
 79 100  
 52 84.4 63.2 94.8  
 51 39.1 31.9 47.9

Manual Integrations  
 APPROVED

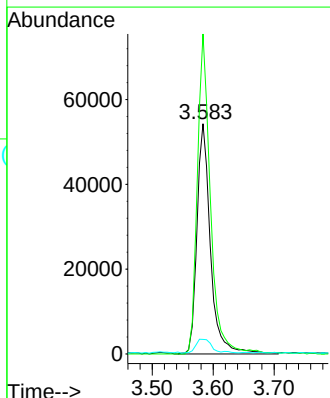
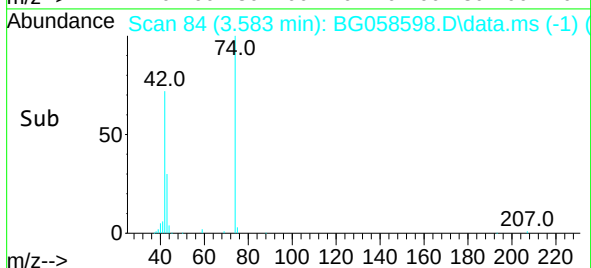
Reviewed By :Yogesh Patel 08/04/2023  
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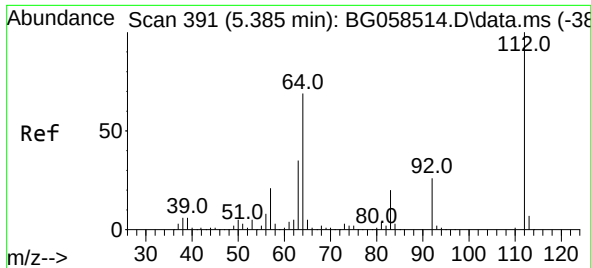


#4  
 n-Nitrosodimethylamine  
 Concen: 47.520 ng  
 RT: 3.583 min Scan# 84  
 Delta R.T. -0.009 min  
 Lab File: BG058598.D  
 Acq: 3 Aug 2023 18:24



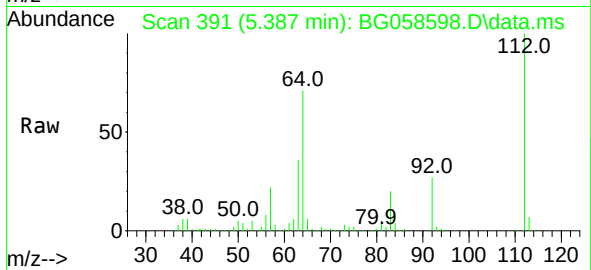
Tgt Ion: 42 Resp: 83773  
 Ion Ratio Lower Upper  
 42 100  
 74 139.0 111.5 167.3  
 44 6.3 5.4 8.2





#5  
2-Fluorophenol  
Concen: 114.839 ng  
RT: 5.387 min Scan# 391  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

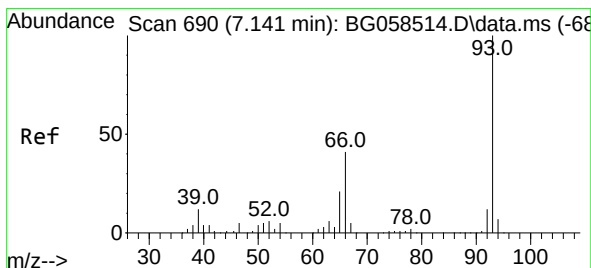
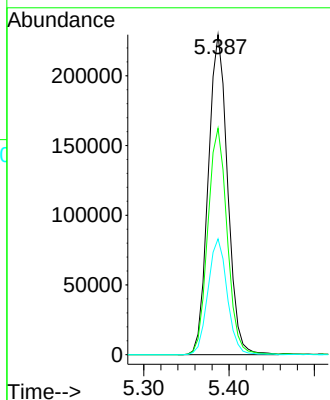
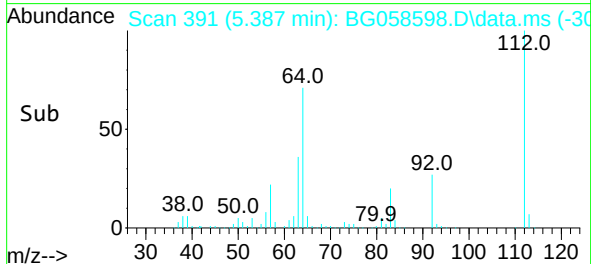
Instrument :  
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ClientSampleId :  
B-P32BMSD



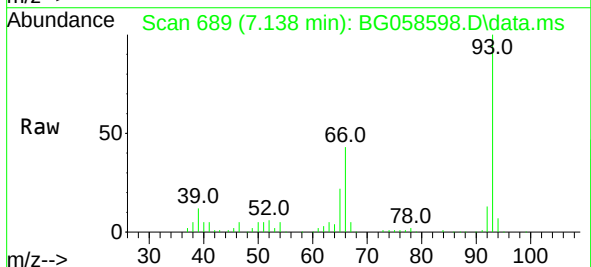
Tgt Ion:112 Resp: 36167  
Ion Ratio Lower Upper  
112 100  
64 70.8 55.3 82.9  
63 36.2 28.3 42.5

Manual Integrations  
APPROVED

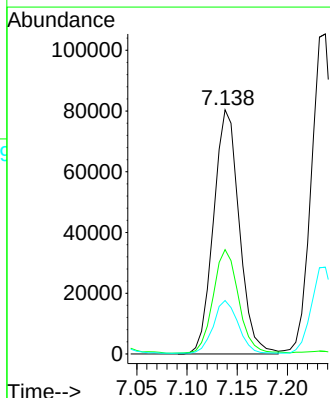
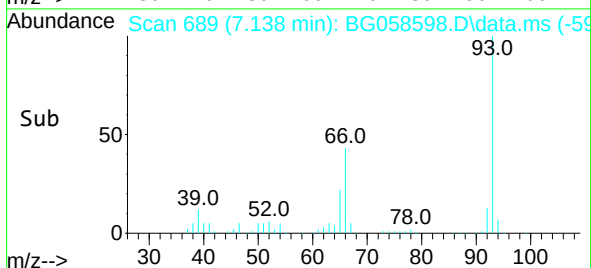
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

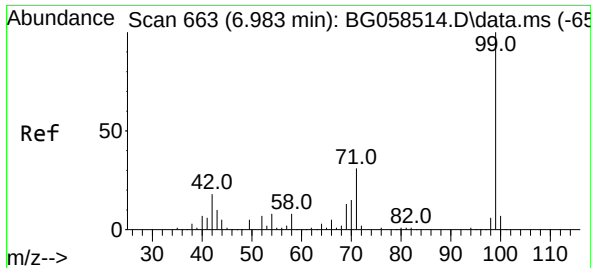


#6  
Aniline  
Concen: 26.545 ng  
RT: 7.138 min Scan# 689  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



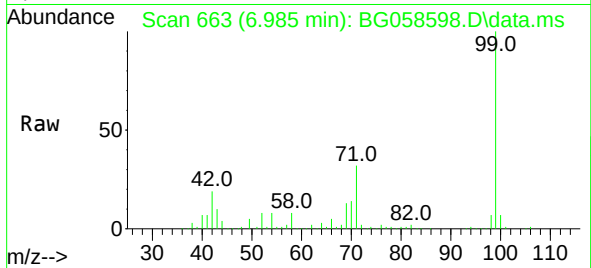
Tgt Ion: 93 Resp: 143225  
Ion Ratio Lower Upper  
93 100  
66 42.7 33.1 49.7  
65 21.9 17.0 25.4





#7  
Phenol-d6  
Concen: 117.676 ng  
RT: 6.985 min Scan# 60  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

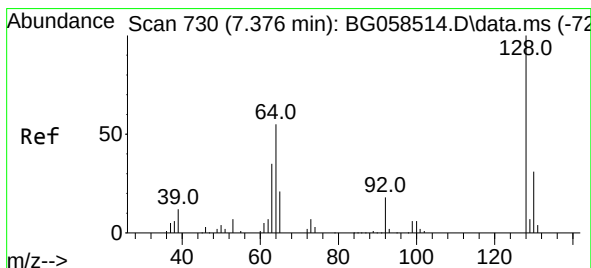
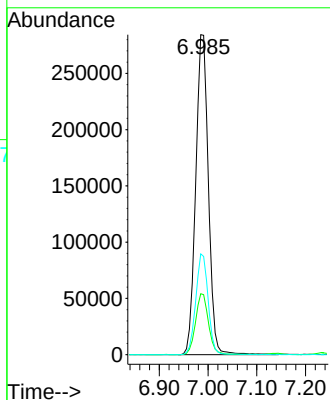
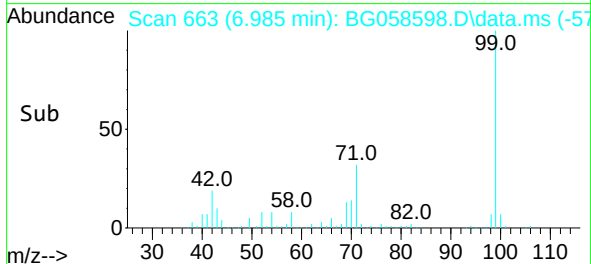
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



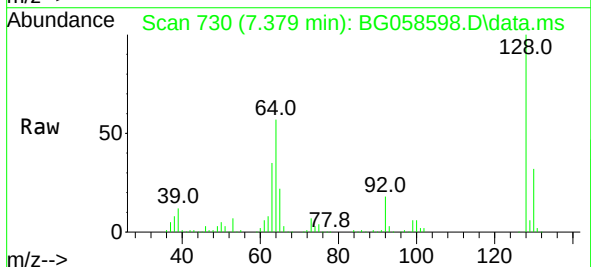
Tgt Ion: 99 Resp: 515694  
Ion Ratio Lower Upper  
99 100  
42 19.0 14.6 21.8  
71 31.5 25.0 37.4

Manual Integrations  
APPROVED

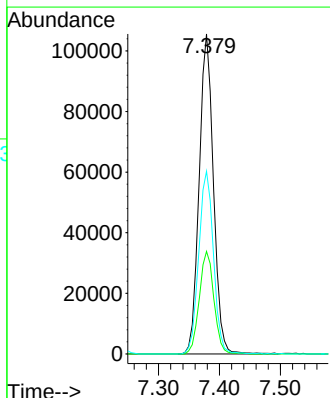
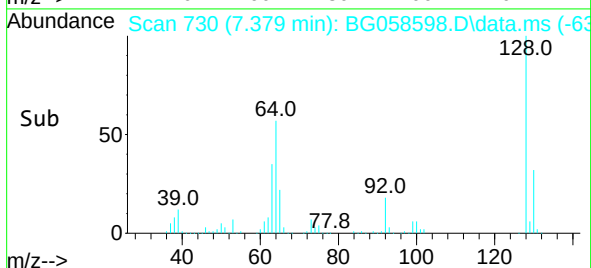
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

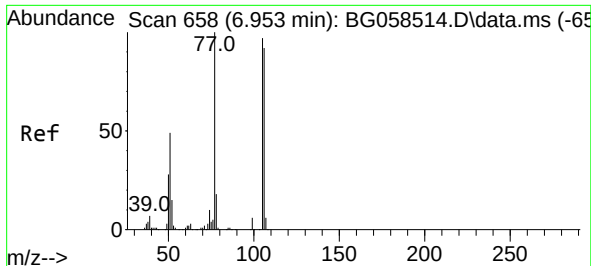


#8  
2-Chlorophenol  
Concen: 55.751 ng  
RT: 7.379 min Scan# 730  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



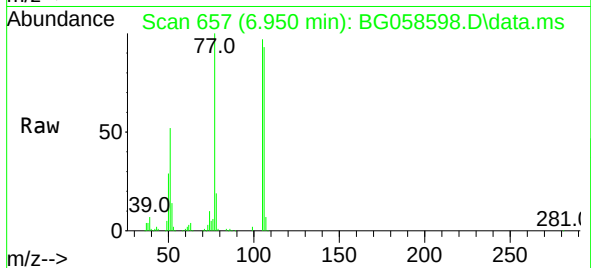
Tgt Ion:128 Resp: 172248  
Ion Ratio Lower Upper  
128 100  
130 32.0 10.9 50.9  
64 57.1 39.0 79.0





#9  
Benzaldehyde  
Concen: 43.616 ng  
RT: 6.950 min Scan# 610  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

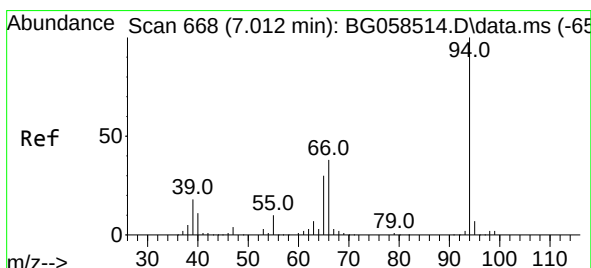
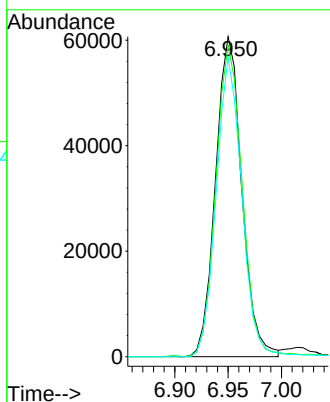
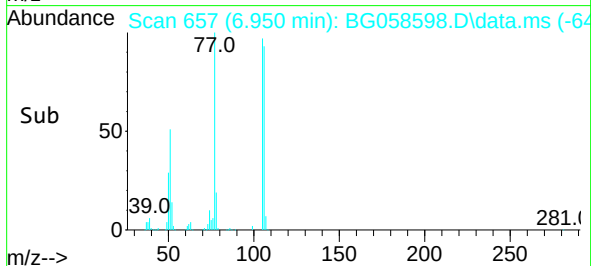
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



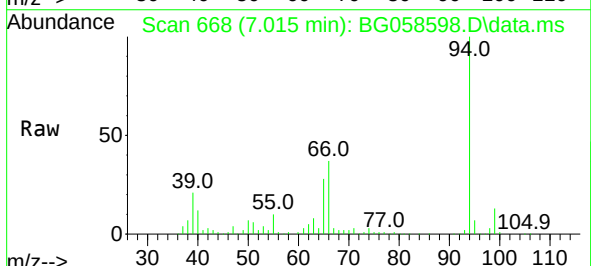
Tgt Ion: 77 Resp: 103840  
Ion Ratio Lower Upper  
77 100  
105 97.2 77.1 117.1  
106 93.4 71.6 111.6

Manual Integrations  
APPROVED

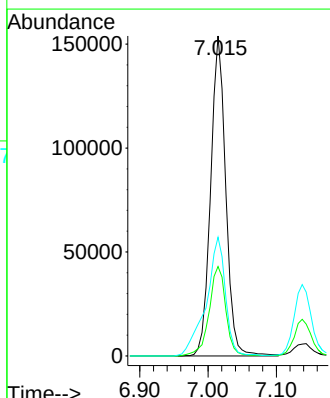
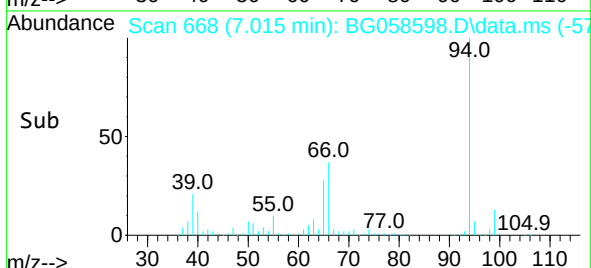
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



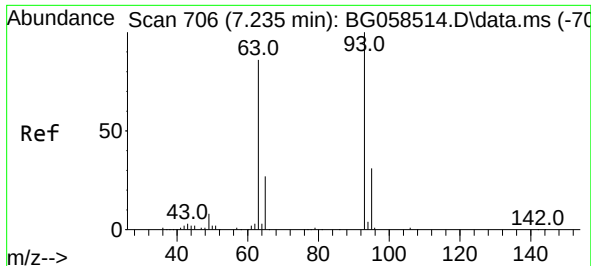
#10  
Phenol  
Concen: 55.478 ng  
RT: 7.015 min Scan# 668  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion: 94 Resp: 237493  
Ion Ratio Lower Upper  
94 100  
65 28.0 10.4 50.4  
66 37.1 18.7 58.7

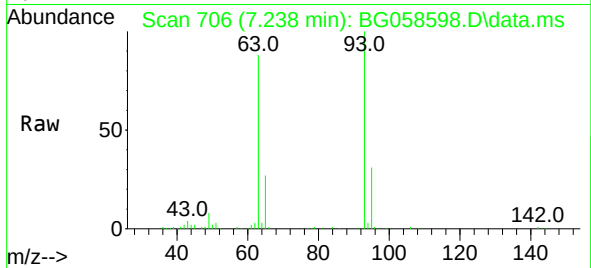






#11  
bis(2-Chloroethyl)ether  
Concen: 50.060 ng  
RT: 7.238 min Scan# 706  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

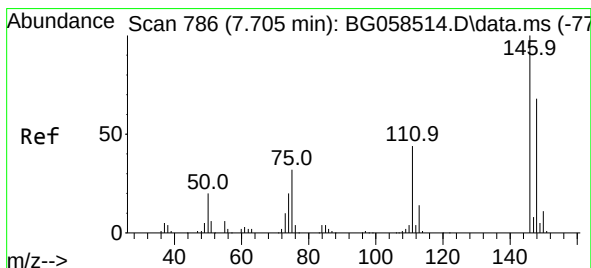
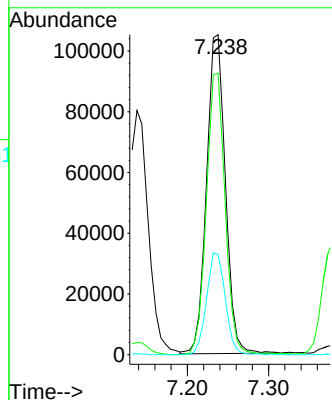
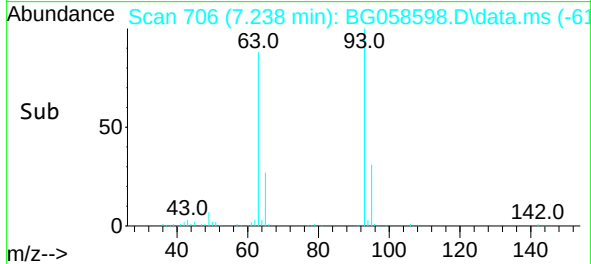
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



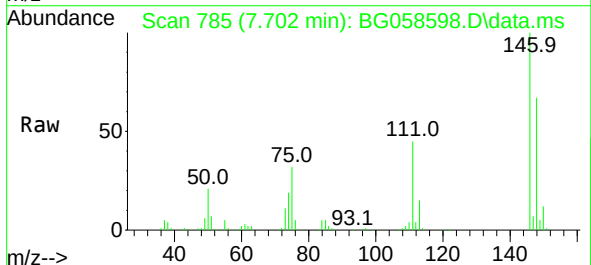
Tgt Ion: 93 Resp: 16894  
Ion Ratio Lower Upper  
93 100  
63 87.9 65.5 105.5  
95 31.3 11.2 51.2

Manual Integrations  
APPROVED

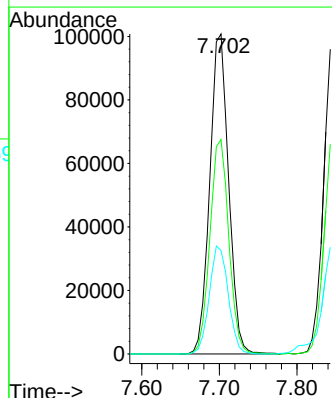
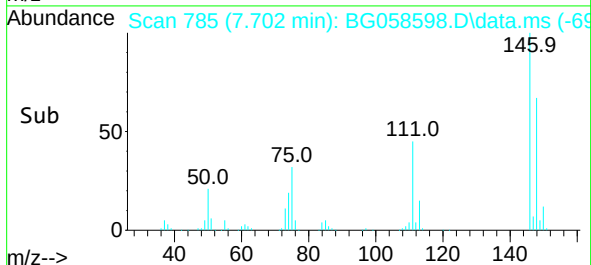
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

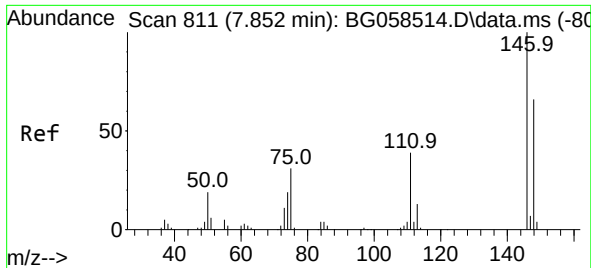


#12  
1,3-Dichlorobenzene  
Concen: 51.734 ng  
RT: 7.702 min Scan# 785  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:146 Resp: 170678  
Ion Ratio Lower Upper  
146 100  
148 67.0 54.7 82.1  
75 32.3 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 52.074 ng

RT: 7.849 min Scan# 811

Delta R.T. -0.003 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

Tgt Ion:146 Resp: 17250

Ion Ratio Lower Upper

146 100

148 69.0 52.8 79.2

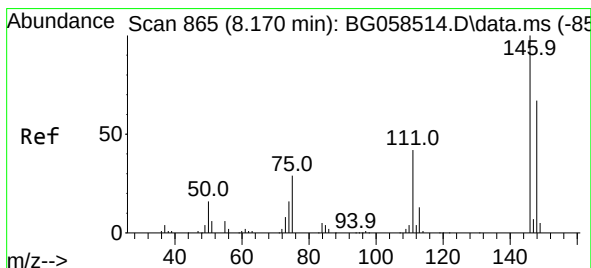
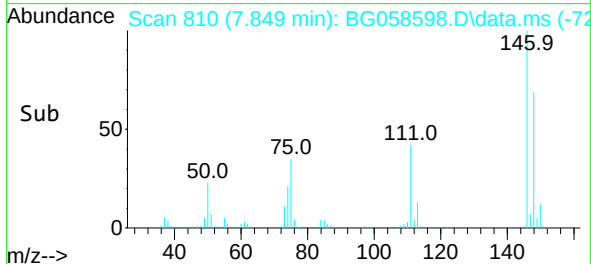
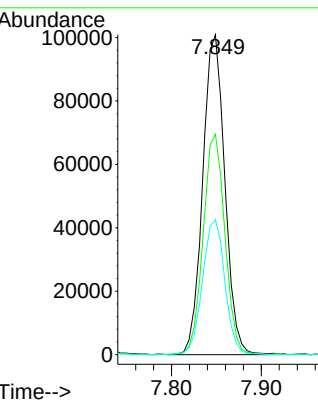
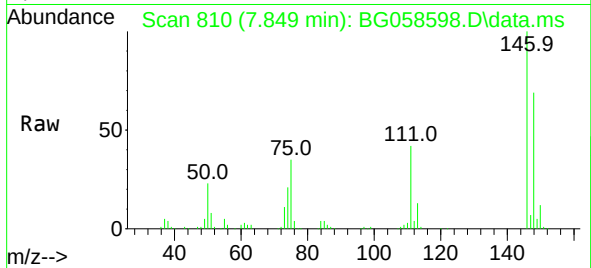
111 42.2 31.7 47.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#14

1,2-Dichlorobenzene

Concen: 53.838 ng

RT: 8.166 min Scan# 864

Delta R.T. -0.004 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

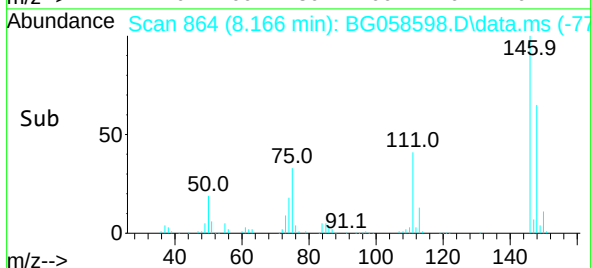
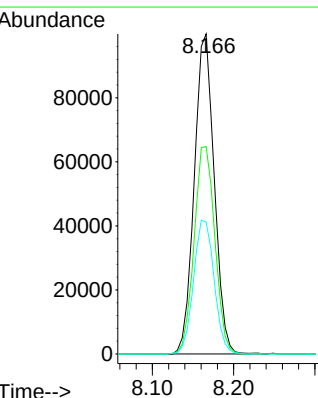
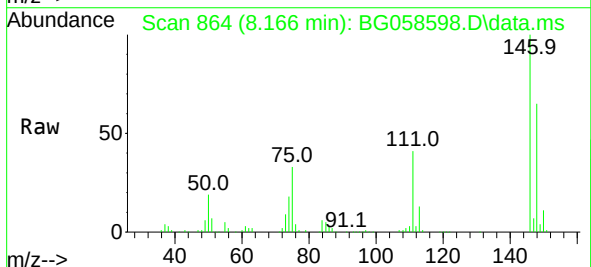
Tgt Ion:146 Resp: 170512

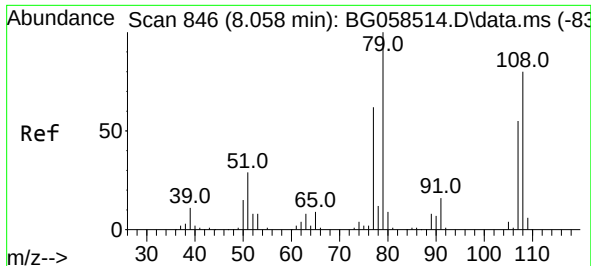
Ion Ratio Lower Upper

146 100

148 64.8 53.4 80.2

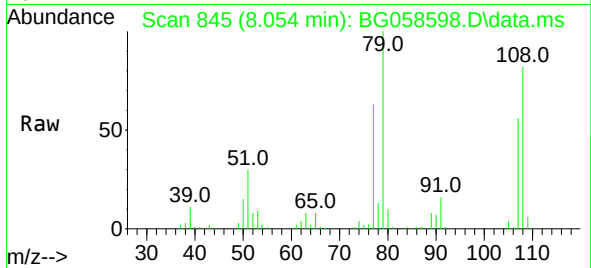
111 41.2 34.2 51.2





#15  
Benzyl Alcohol  
Concen: 57.384 ng  
RT: 8.054 min Scan# 846  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

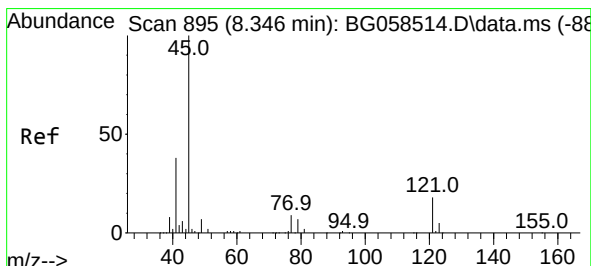
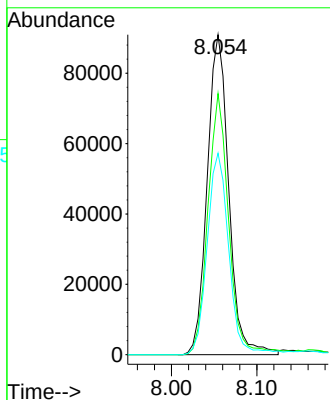
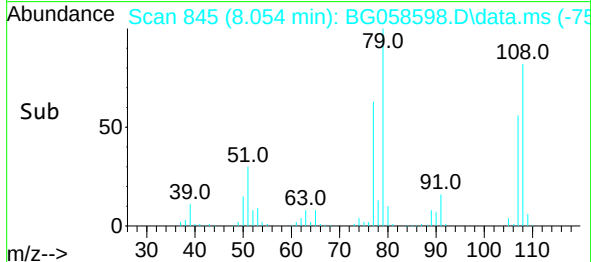
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion: 79 Resp: 159480  
Ion Ratio Lower Upper  
79 100  
108 81.6 63.8 95.6  
77 62.9 49.8 74.6

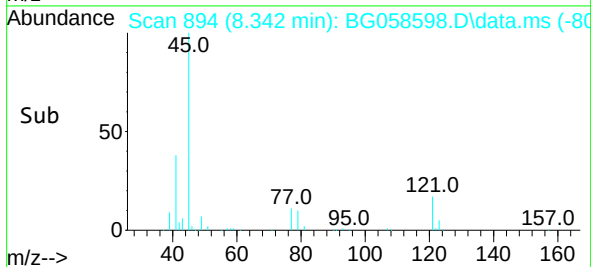
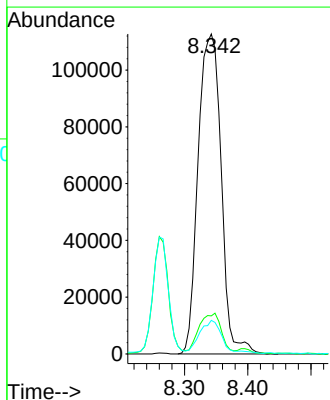
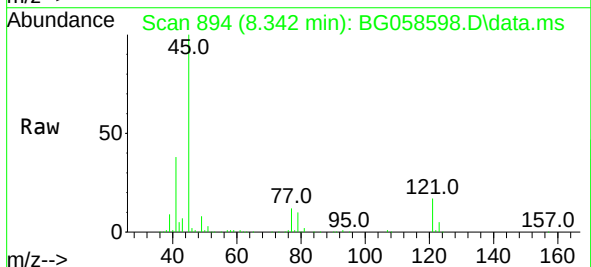
Manual Integrations  
APPROVED

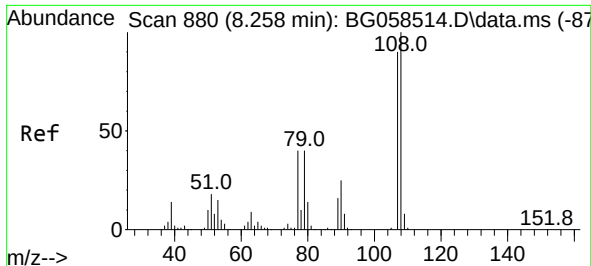
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 52.021 ng  
RT: 8.342 min Scan# 894  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion: 45 Resp: 285187  
Ion Ratio Lower Upper  
45 100  
77 11.9 0.0 32.6  
79 10.5 0.0 30.2





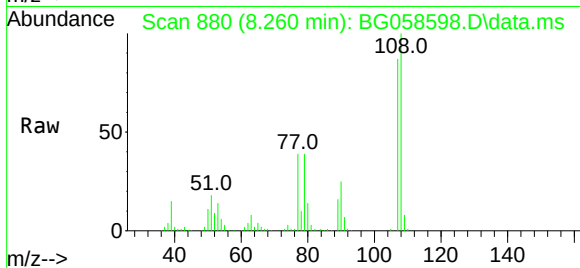
#17  
2-Methylphenol  
Concen: 50.469 ng  
RT: 8.260 min Scan# 81  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

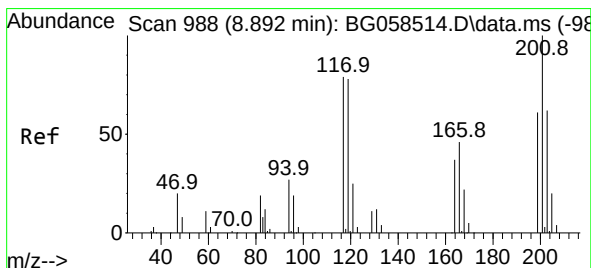
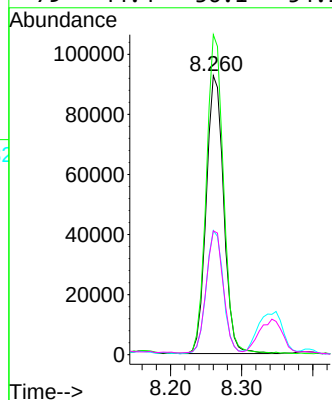
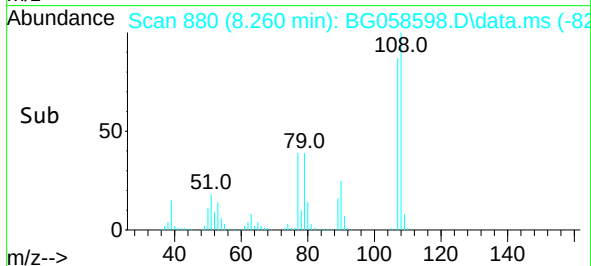


Tgt Ion:107 Resp: 15797  
Ion Ratio Lower Upper  
107 100  
108 114.7 89.1 133.7  
77 44.5 36.2 54.4  
79 44.4 36.1 54.1

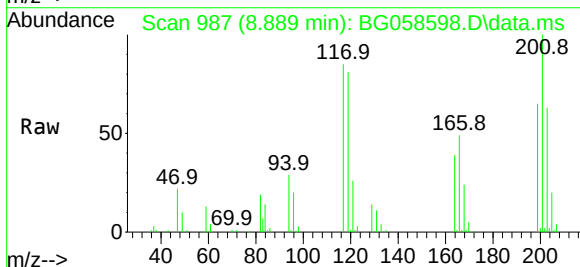
Manual Integrations

APPROVED

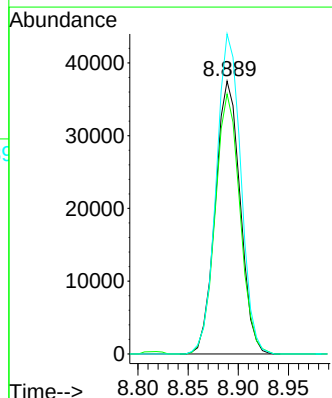
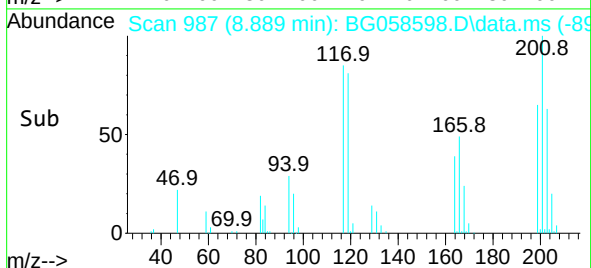
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

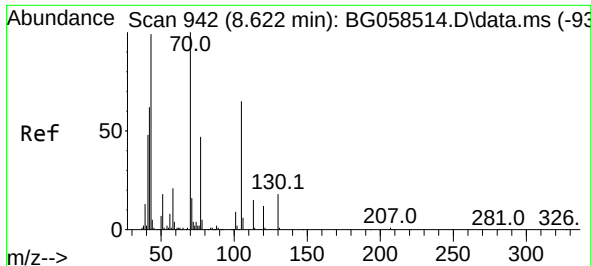


#18  
Hexachloroethane  
Concen: 53.565 ng  
RT: 8.889 min Scan# 987  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



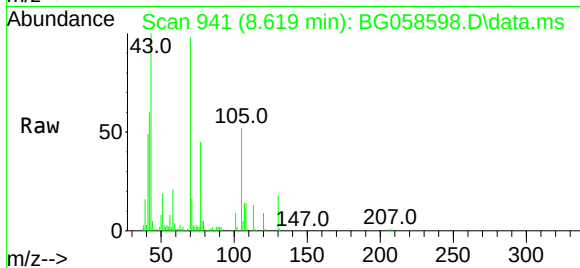
Tgt Ion:117 Resp: 64495  
Ion Ratio Lower Upper  
117 100  
119 95.3 78.6 117.8  
201 117.3 101.4 152.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.555 ng  
RT: 8.619 min Scan# 941  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

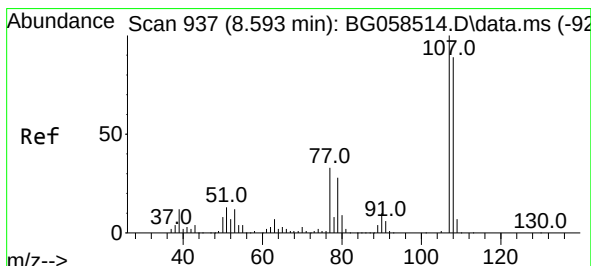
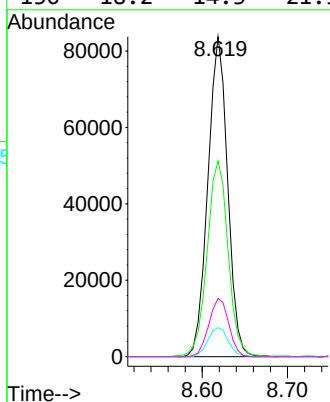
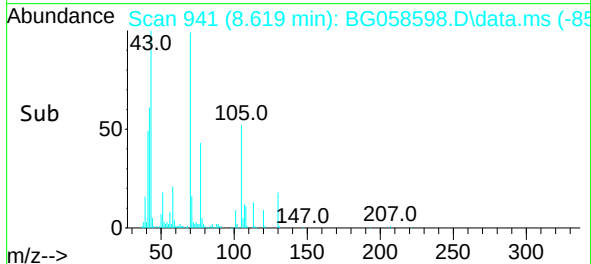
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion: 70 Resp: 134612  
Ion Ratio Lower Upper  
70 100  
42 61.2 49.7 74.5  
101 9.1 7.0 10.4  
130 18.2 14.3 21.5

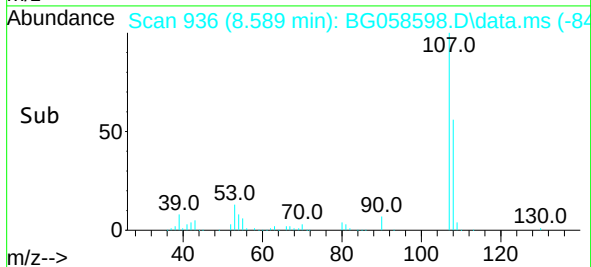
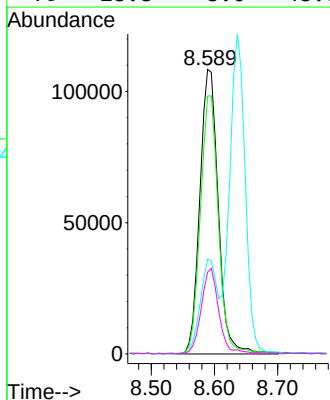
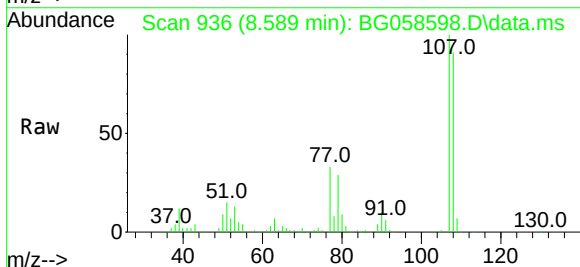
Manual Integrations  
APPROVED

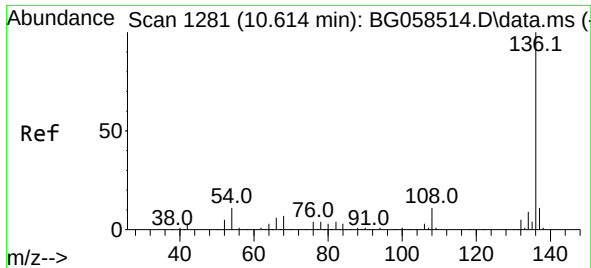
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#20  
3+4-Methylphenols  
Concen: 51.624 ng  
RT: 8.589 min Scan# 936  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:107 Resp: 218571  
Ion Ratio Lower Upper  
107 100  
108 90.6 69.4 109.4  
77 33.3 13.0 53.0  
79 28.8 8.0 48.0





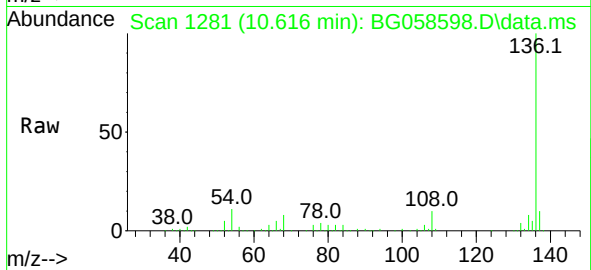
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.616 min Scan# 1281  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

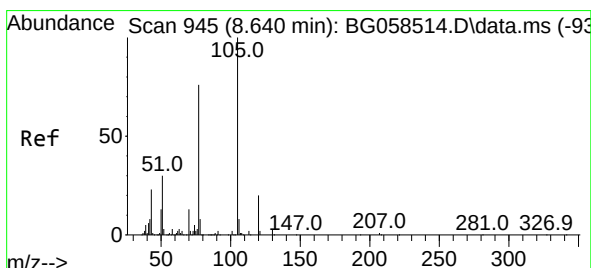
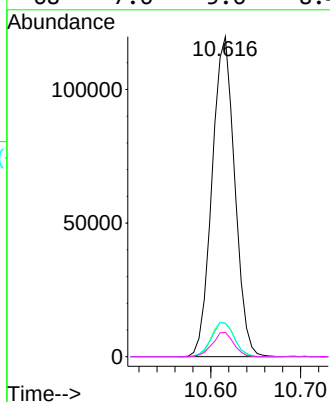
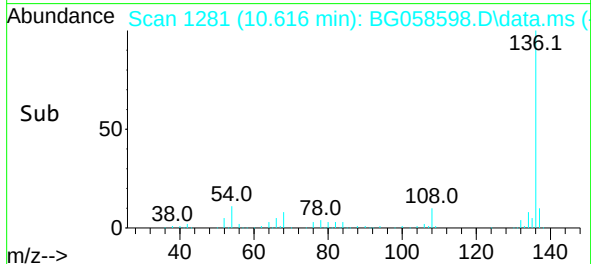


Tgt Ion:136 Resp: 20975  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.6 13.0  
54 10.5 8.9 13.3  
68 7.6 5.6 8.4

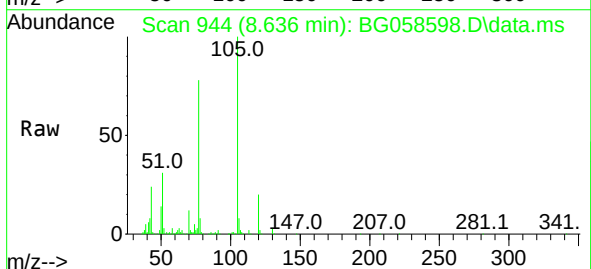
Manual Integrations

APPROVED

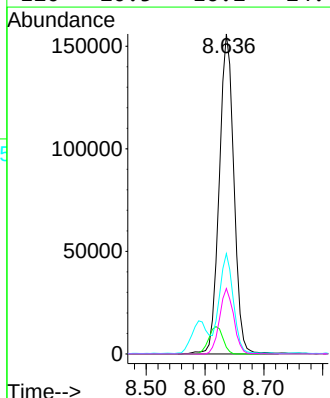
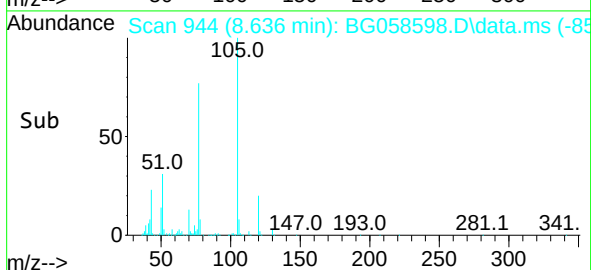
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

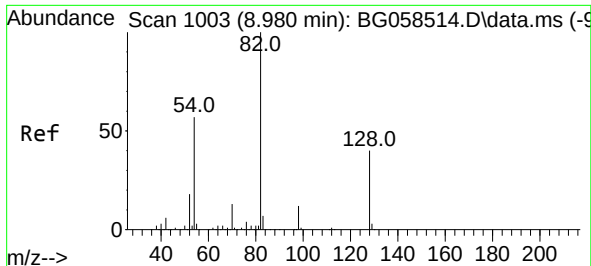


#22  
Acetophenone  
Concen: 48.123 ng  
RT: 8.636 min Scan# 944  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:105 Resp: 270275  
Ion Ratio Lower Upper  
105 100  
71 2.1 1.8 2.6  
51 31.4 24.2 36.2  
120 20.5 16.2 24.4





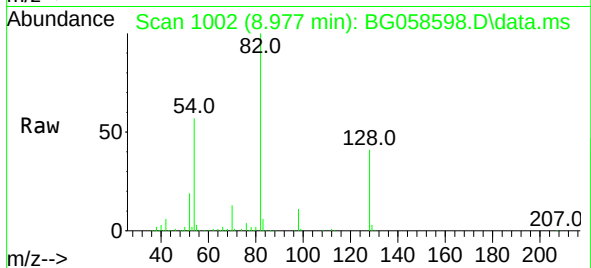
#23  
Nitrobenzene-d5  
Concen: 72.073 ng  
RT: 8.977 min Scan# 1002  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

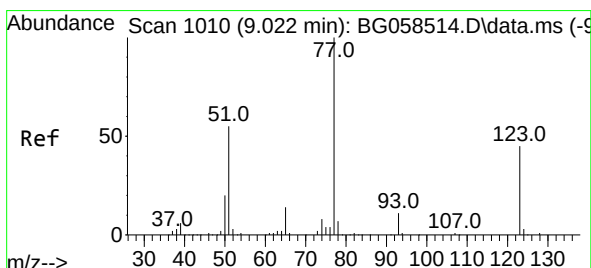
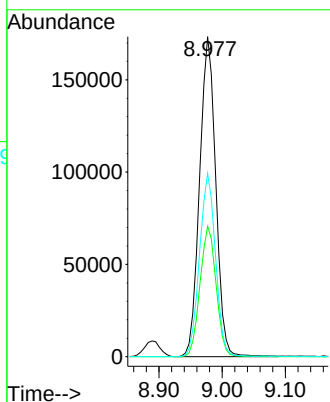
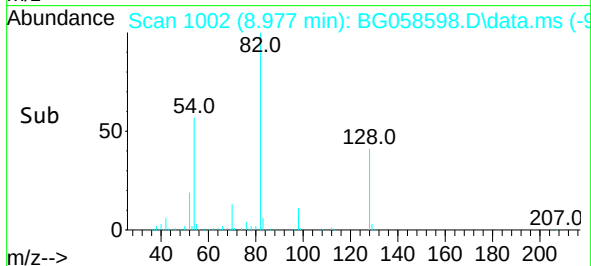
B-P32BMDS



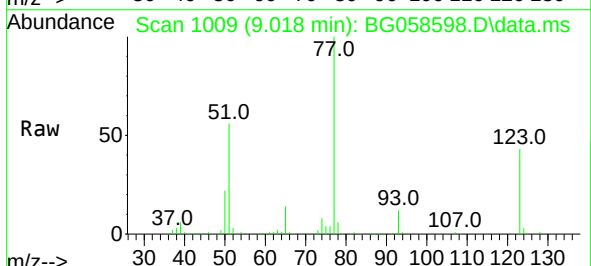
Tgt Ion: 82 Resp: 307734  
Ion Ratio Lower Upper  
82 100  
128 40.7 32.2 48.2  
54 57.3 46.0 69.0

Manual Integrations  
APPROVED

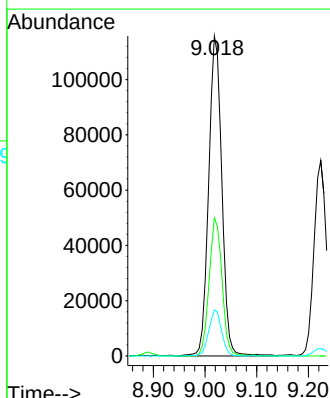
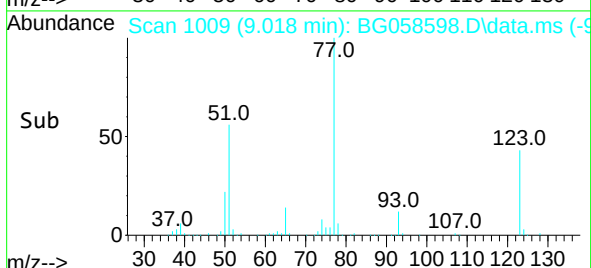
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

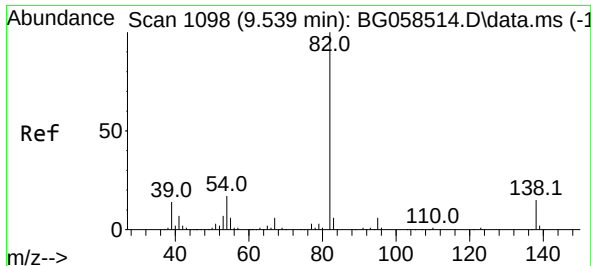


#24  
Nitrobenzene  
Concen: 47.219 ng  
RT: 9.018 min Scan# 1009  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



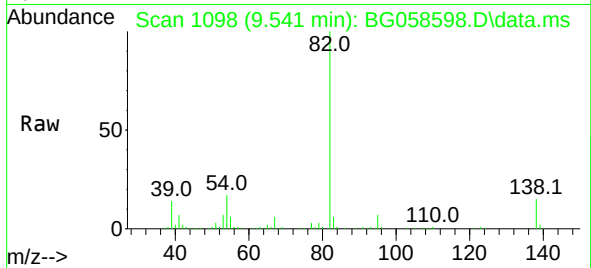
Tgt Ion: 77 Resp: 204965  
Ion Ratio Lower Upper  
77 100  
123 43.2 35.6 53.4  
65 14.4 11.4 17.0





#25  
Isophorone  
Concen: 44.313 ng  
RT: 9.541 min Scan# 1098  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

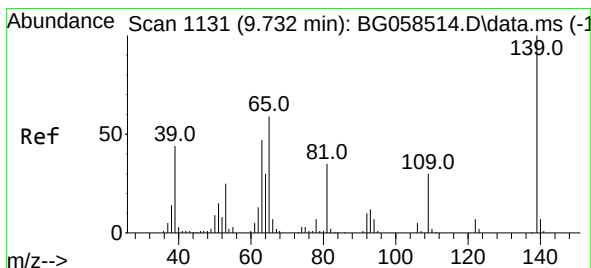
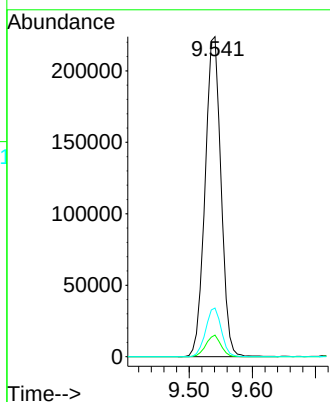
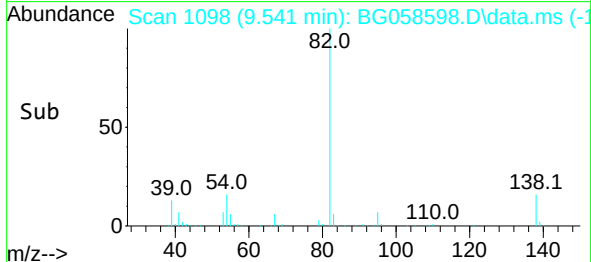
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



Tgt Ion: 82 Resp: 39093  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.1 7.7  
138 15.2 11.9 17.9

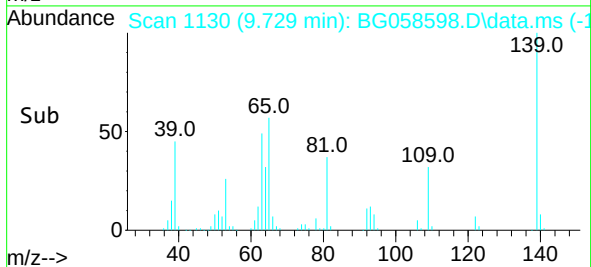
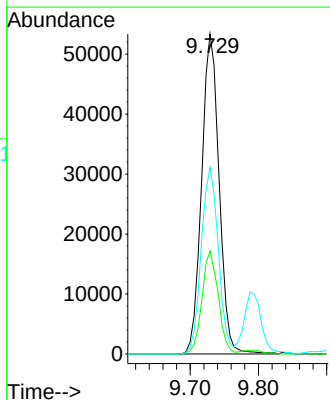
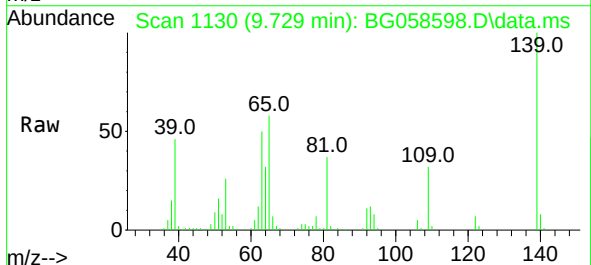
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

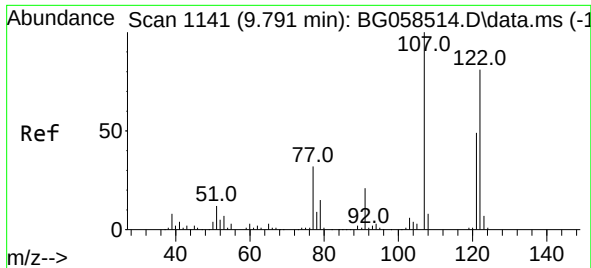


#26  
2-Nitrophenol  
Concen: 50.413 ng  
RT: 9.729 min Scan# 1130  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:139 Resp: 95256  
Ion Ratio Lower Upper  
139 100  
109 32.2 24.2 36.2  
65 58.2 47.0 70.4







#27

2,4-Dimethylphenol

Concen: 47.643 ng

RT: 9.794 min Scan# 1141

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

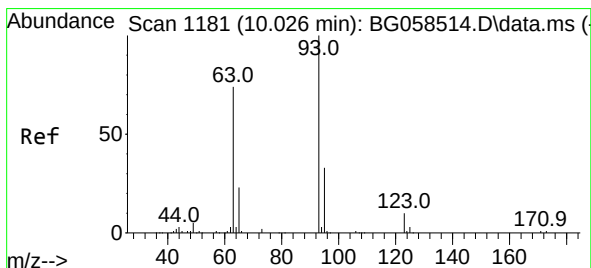
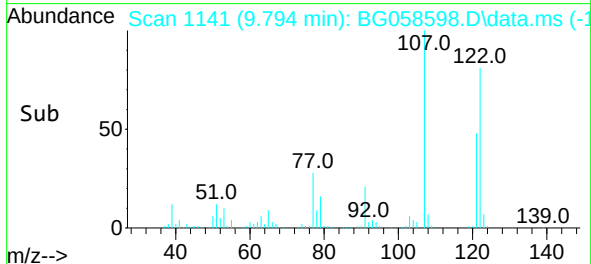
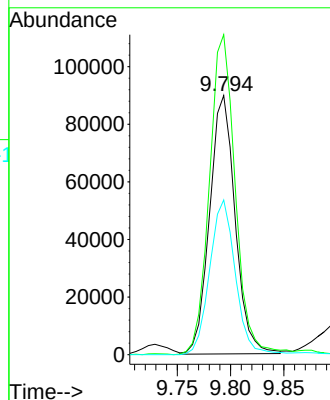
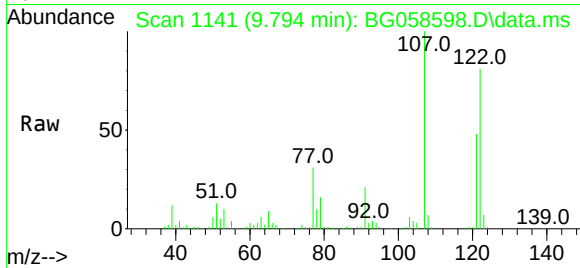
Tgt Ion:122 Resp: 14932  
 Ion Ratio Lower Upper  
 122 100  
 107 123.5 98.0 147.0  
 121 59.7 47.8 71.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#28

bis(2-Chloroethoxy)methane

Concen: 48.059 ng

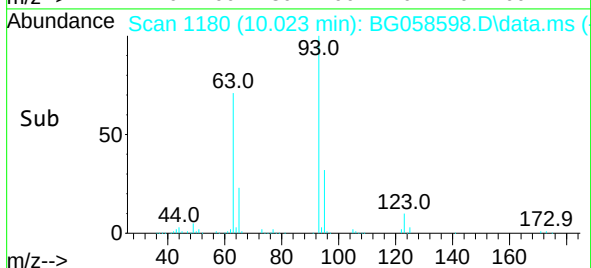
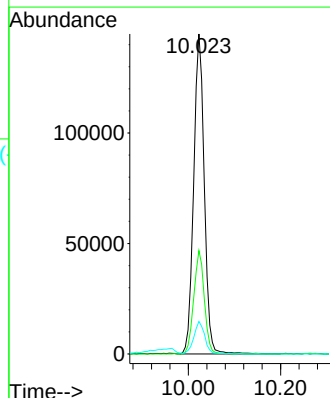
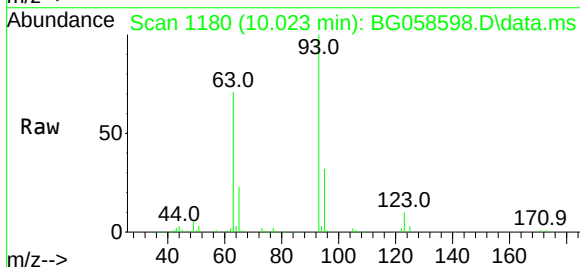
RT: 10.023 min Scan# 1180

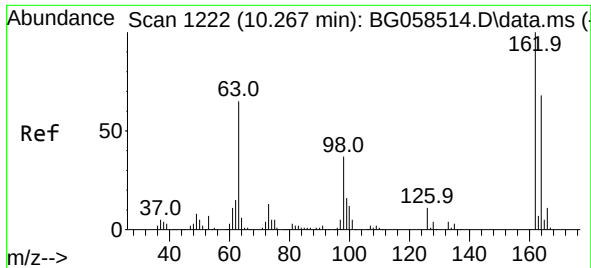
Delta R.T. -0.003 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

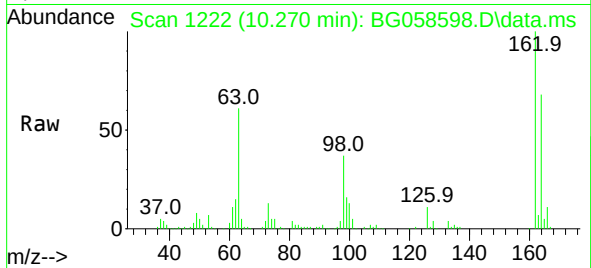
Tgt Ion: 93 Resp: 230732  
 Ion Ratio Lower Upper  
 93 100  
 95 32.3 26.0 39.0  
 123 10.1 7.8 11.8





#29  
2,4-Dichlorophenol  
Concen: 52.180 ng  
RT: 10.270 min Scan# 1222  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

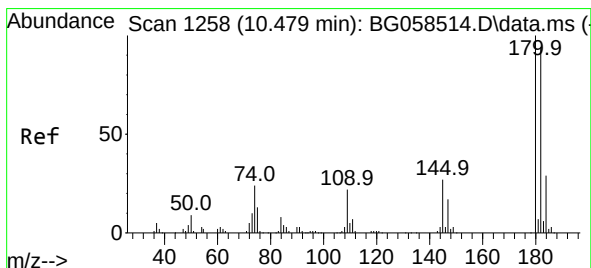
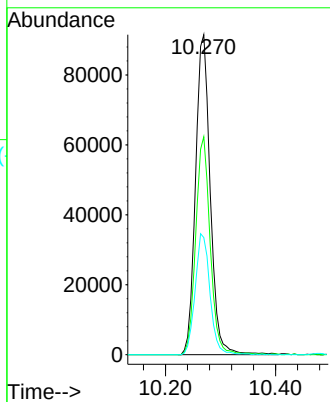
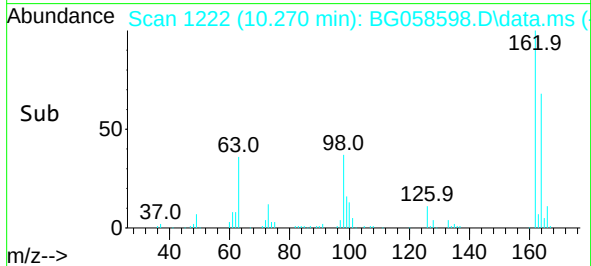
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



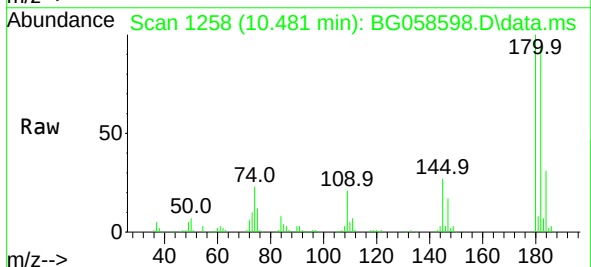
Tgt Ion:162 Resp: 16980  
Ion Ratio Lower Upper  
162 100  
164 68.1 47.6 87.6  
98 36.6 17.1 57.1

Manual Integrations  
APPROVED

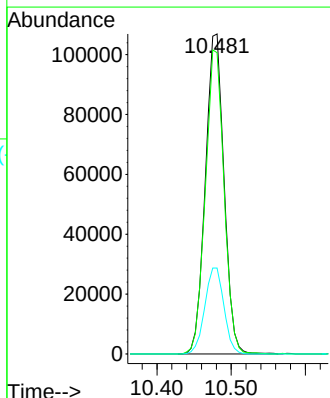
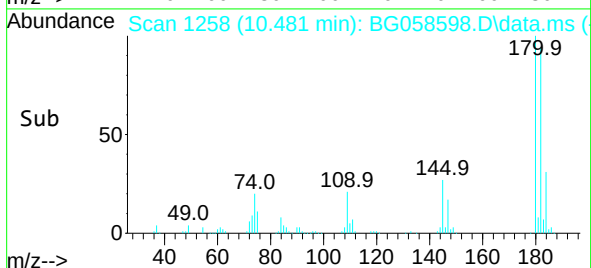
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

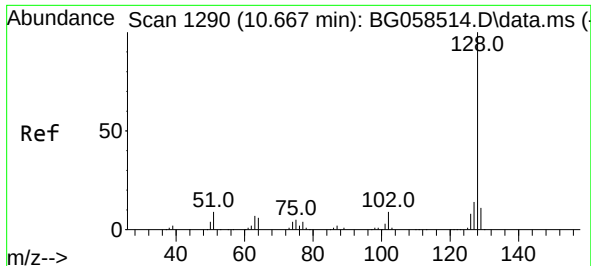


#30  
1,2,4-Trichlorobenzene  
Concen: 49.720 ng  
RT: 10.481 min Scan# 1258  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



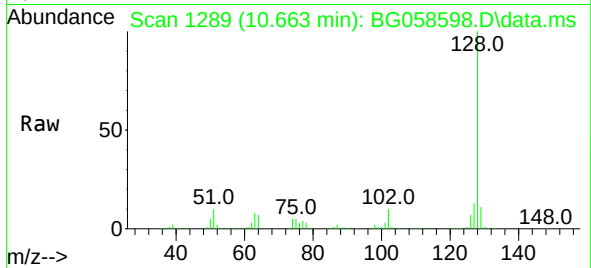
Tgt Ion:180 Resp: 186594  
Ion Ratio Lower Upper  
180 100  
182 94.2 75.0 112.4  
145 26.8 21.9 32.9





#31  
Naphthalene  
Concen: 47.670 ng  
RT: 10.663 min Scan# 1169  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

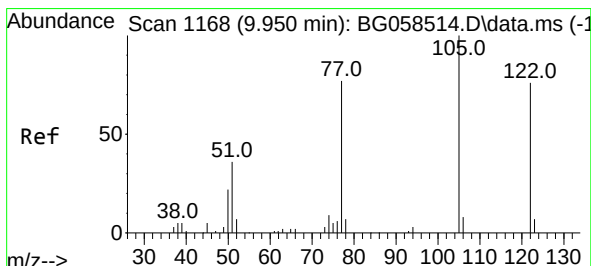
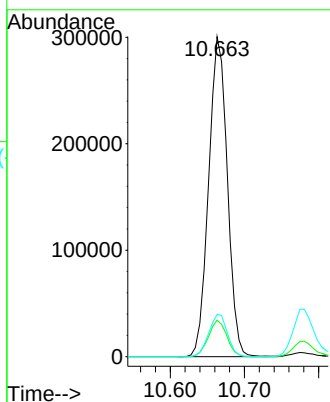
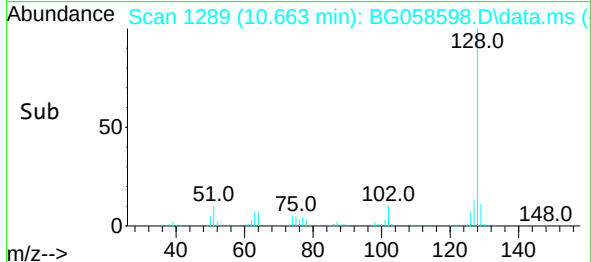
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:128 Resp: 52699  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.8 13.2  
127 13.2 10.9 16.3

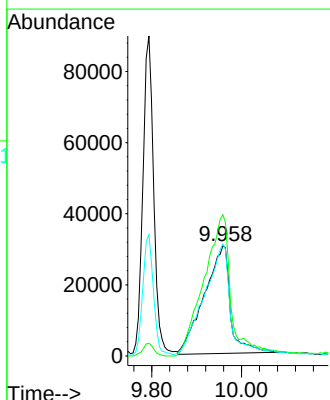
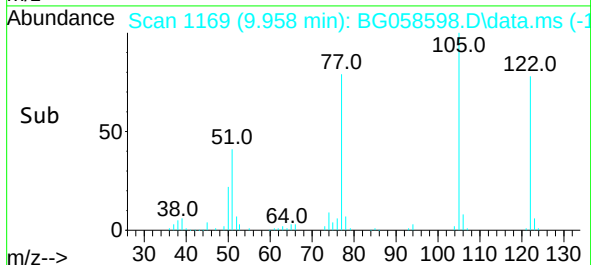
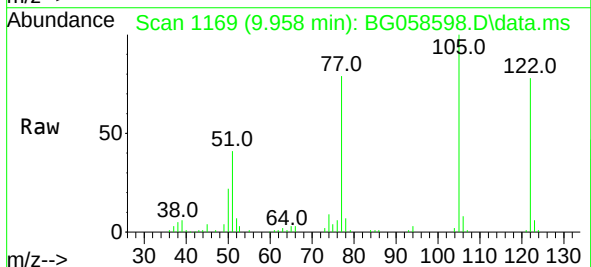
Manual Integrations  
APPROVED

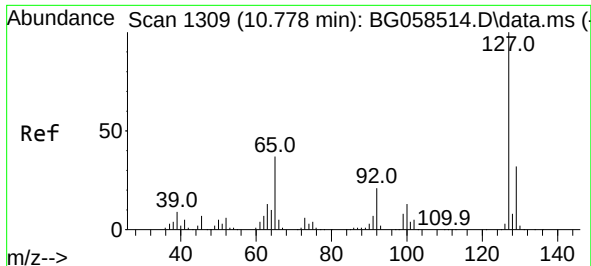
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#32  
Benzoic acid  
Concen: 50.986 ng  
RT: 9.958 min Scan# 1169  
Delta R.T. 0.008 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:122 Resp: 122744  
Ion Ratio Lower Upper  
122 100  
105 128.0 106.5 146.5  
77 101.6 78.1 118.1





#33  
4-Chloroaniline  
Concen: 20.057 ng  
RT: 10.775 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

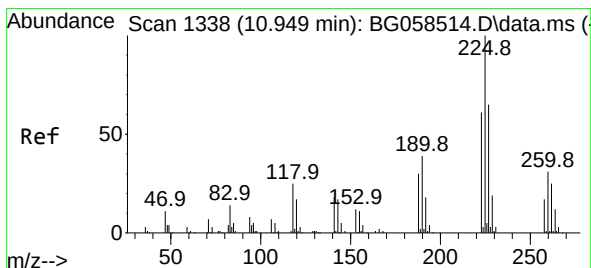
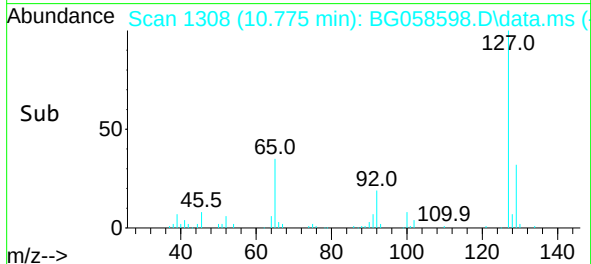
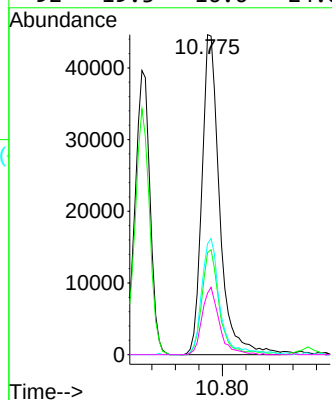
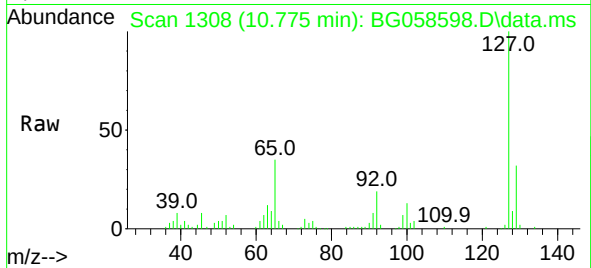
B-P32BMDS

Tgt Ion:127 Resp: 9368  
Ion Ratio Lower Upper  
127 100  
129 31.9 25.4 38.2  
65 34.7 29.5 44.3  
92 19.3 16.6 24.8

Manual Integrations

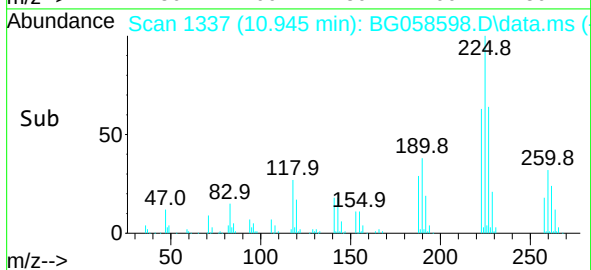
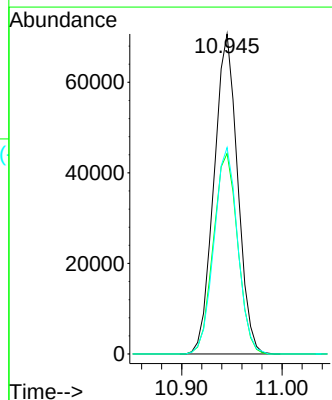
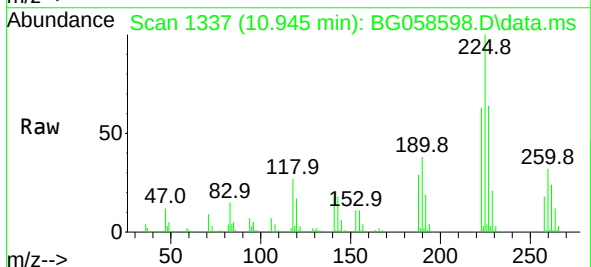
APPROVED

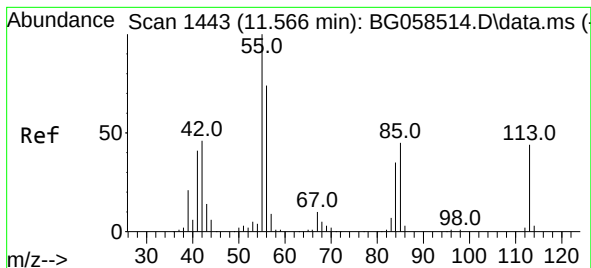
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#34  
Hexachlorobutadiene  
Concen: 47.687 ng  
RT: 10.945 min Scan# 1337  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:225 Resp: 115253  
Ion Ratio Lower Upper  
225 100  
223 62.6 49.0 73.6  
227 64.5 51.7 77.5





#35

Caprolactam

Concen: 48.126 ng m

RT: 11.568 min Scan# 14

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

Tgt Ion:113 Resp: 57834

Ion Ratio Lower Upper

113 100

55 237.4 208.0 248.0

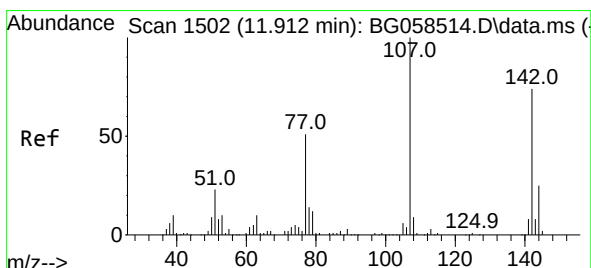
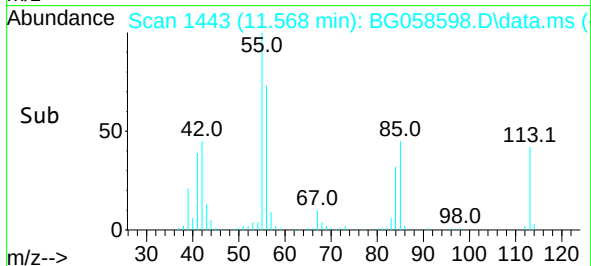
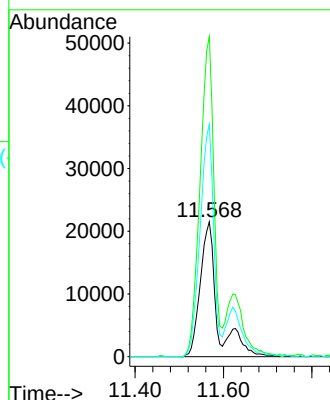
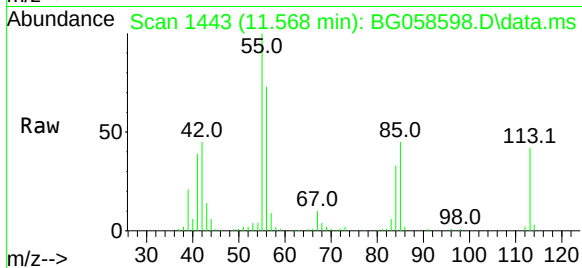
56 172.3 148.6 188.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#36

4-Chloro-3-methylphenol

Concen: 49.882 ng

RT: 11.915 min Scan# 1502

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

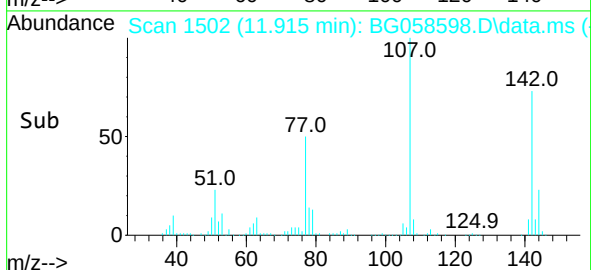
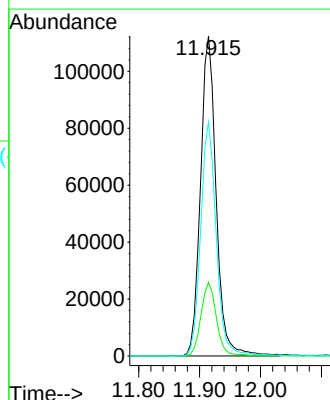
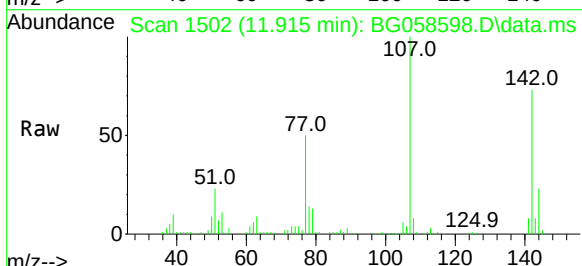
Tgt Ion:107 Resp: 200805

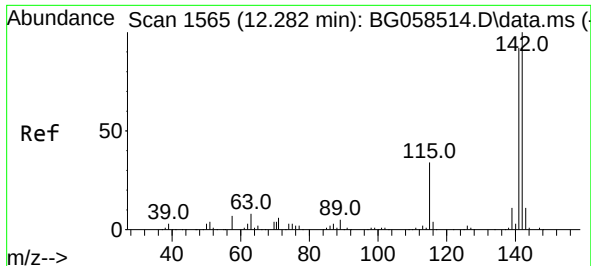
Ion Ratio Lower Upper

107 100

144 23.1 19.6 29.4

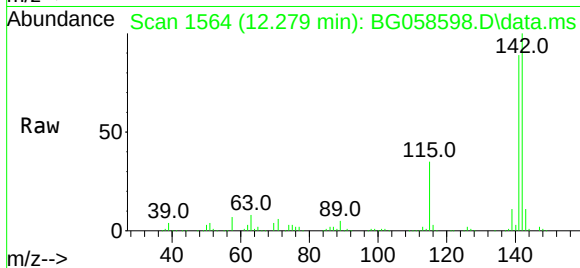
142 73.2 59.3 88.9





#37  
2-Methylnaphthalene  
Concen: 45.456 ng  
RT: 12.279 min Scan# 1565  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

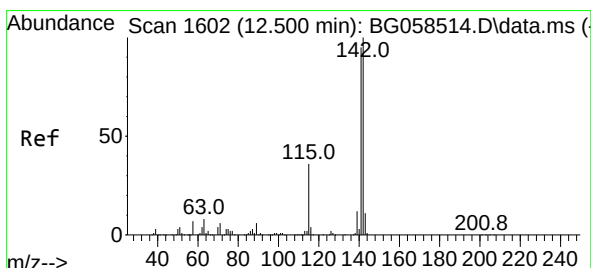
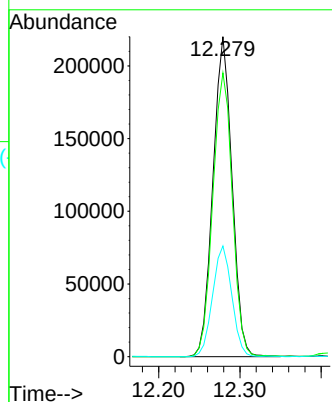
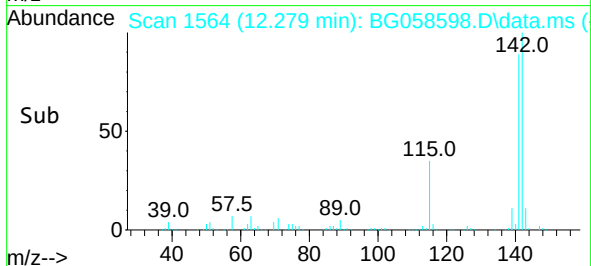
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:142 Resp: 359468  
Ion Ratio Lower Upper  
142 100  
141 88.7 73.5 110.3  
115 34.6 27.4 41.0

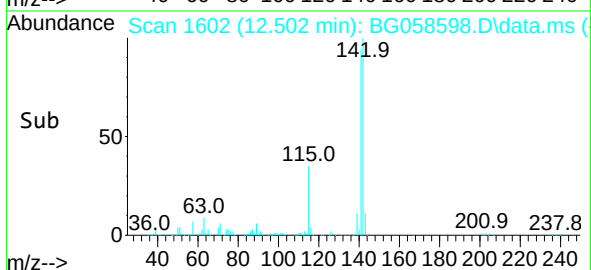
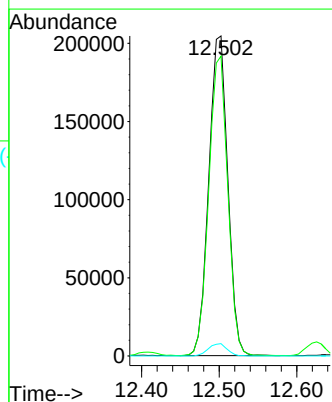
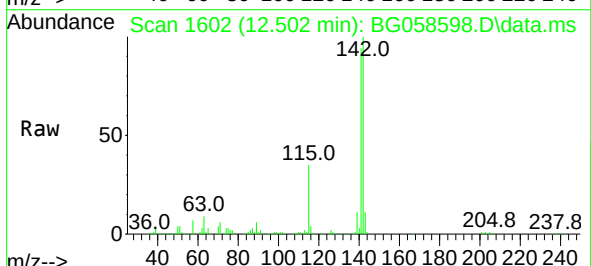
Manual Integrations  
APPROVED

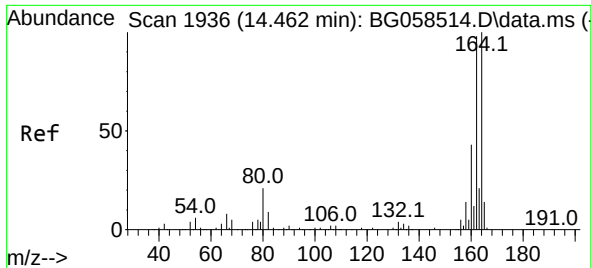
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#38  
1-Methylnaphthalene  
Concen: 46.342 ng  
RT: 12.502 min Scan# 1602  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:142 Resp: 348359  
Ion Ratio Lower Upper  
142 100  
141 93.7 75.7 113.5  
116 3.8 3.2 4.8





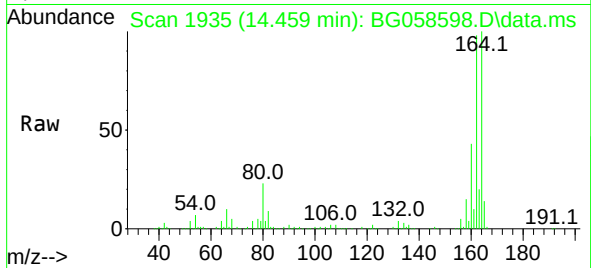
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.459 min Scan# 1936  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

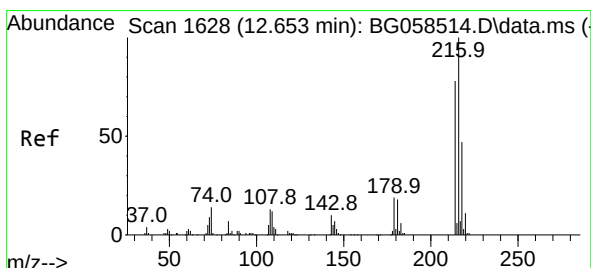
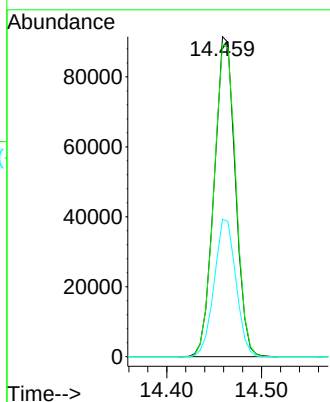
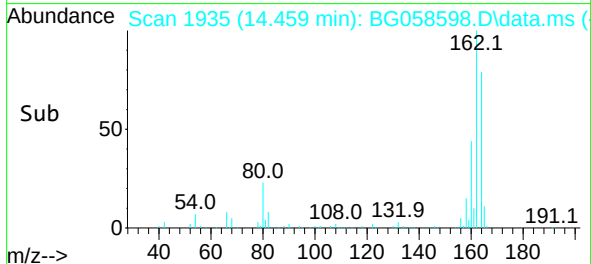


Tgt Ion:164 Resp: 142600  
Ion Ratio Lower Upper  
164 100  
162 97.7 78.3 117.5  
160 43.0 34.1 51.1

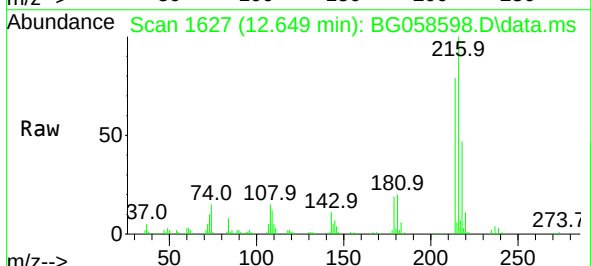
Manual Integrations

APPROVED

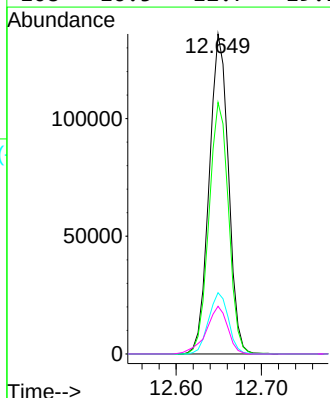
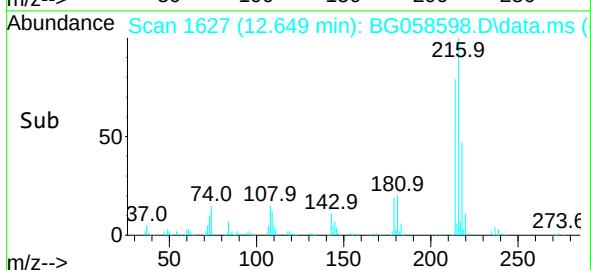
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

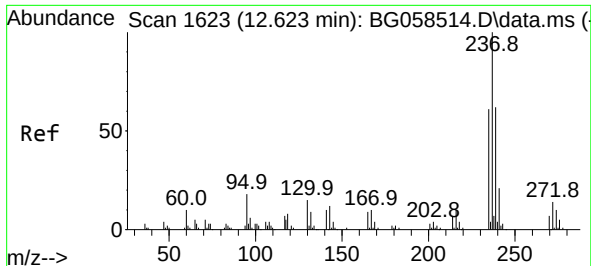


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.702 ng  
RT: 12.649 min Scan# 1627  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



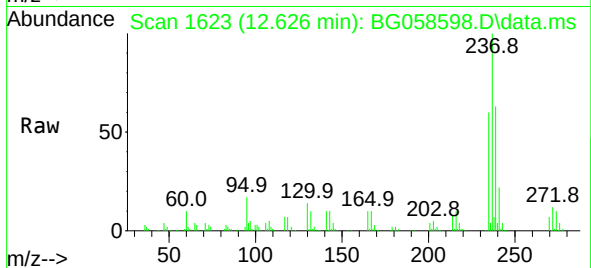
Tgt Ion:216 Resp: 213224  
Ion Ratio Lower Upper  
216 100  
214 80.0 63.1 94.7  
179 19.5 15.6 23.4  
108 16.5 12.7 19.1





#41  
Hexachlorocyclopentadiene  
Concen: 71.794 ng  
RT: 12.626 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

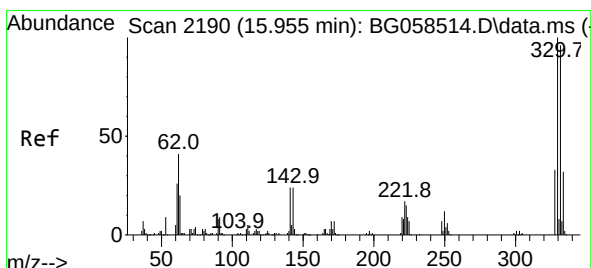
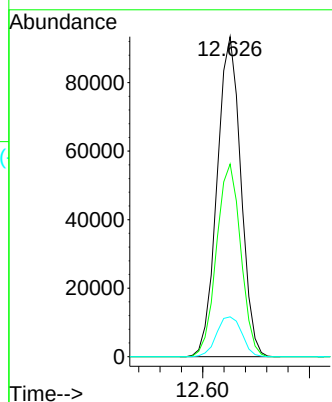
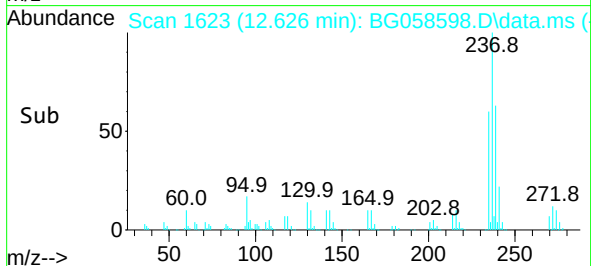
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



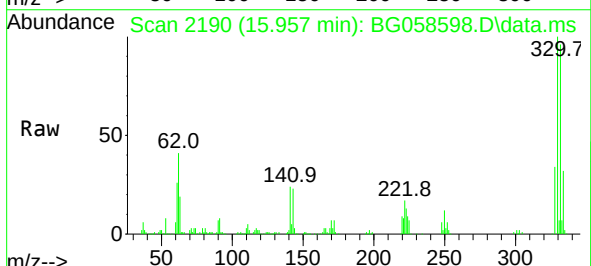
Tgt Ion:237 Resp: 14444  
Ion Ratio Lower Upper  
237 100  
235 60.2 41.0 81.0  
272 12.5 0.0 33.6

Manual Integrations  
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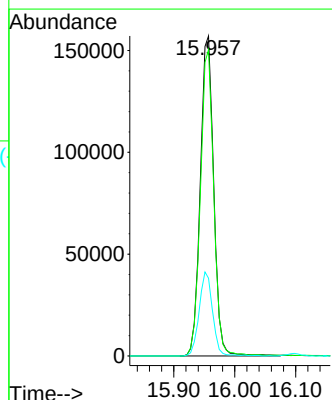
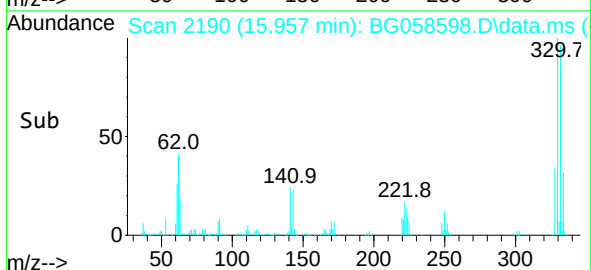
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



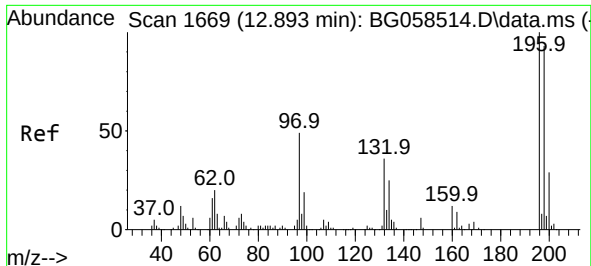
#42  
2,4,6-Tribromophenol  
Concen: 102.690 ng  
RT: 15.957 min Scan# 2190  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:330 Resp: 240029  
Ion Ratio Lower Upper  
330 100  
332 94.9 77.5 116.3  
141 26.3 20.7 31.1







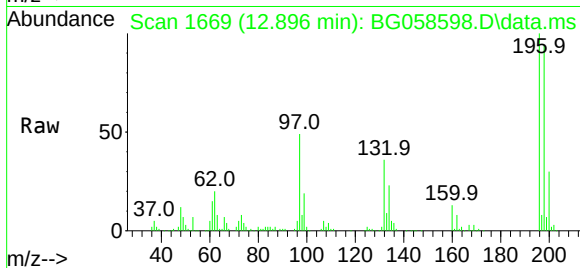
#43  
2,4,6-Trichlorophenol  
Concen: 50.774 ng  
RT: 12.896 min Scan# 1669  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

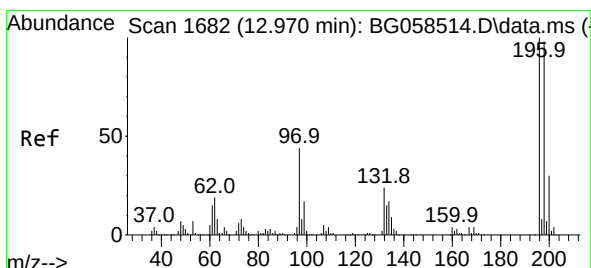
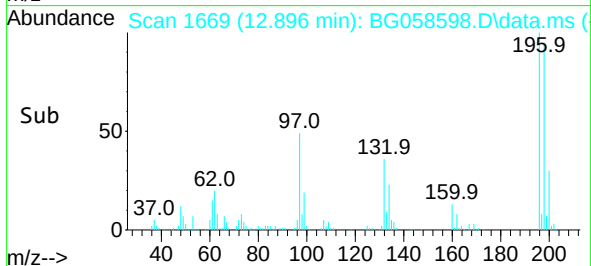
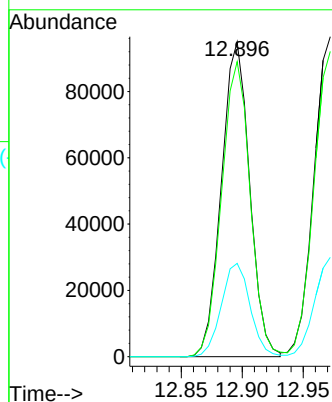


Tgt Ion:196 Resp: 152899  
Ion Ratio Lower Upper  
196 100  
198 93.7 74.2 111.4  
200 29.6 22.9 34.3

Manual Integrations

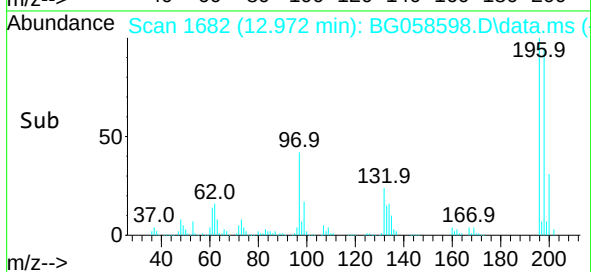
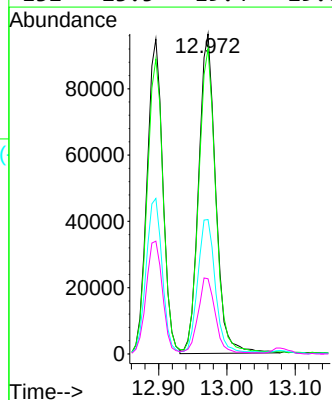
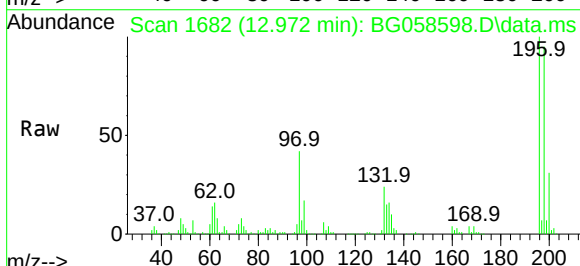
APPROVED

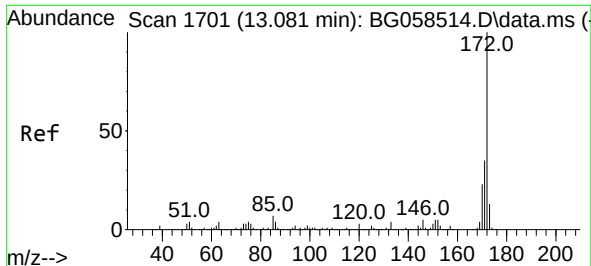
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#44  
2,4,5-Trichlorophenol  
Concen: 47.053 ng  
RT: 12.972 min Scan# 1682  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

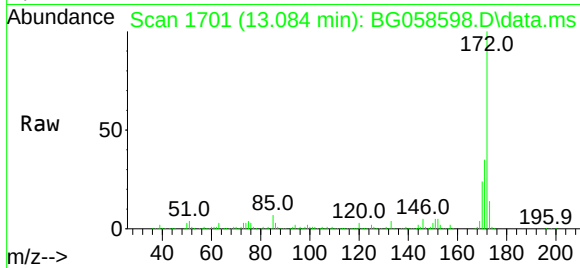
Tgt Ion:196 Resp: 166892  
Ion Ratio Lower Upper  
196 100  
198 95.4 78.3 117.5  
97 42.0 35.2 52.8  
132 23.5 19.4 29.0





#45  
2-Fluorobiphenyl  
Concen: 71.266 ng  
RT: 13.084 min Scan# 1701  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

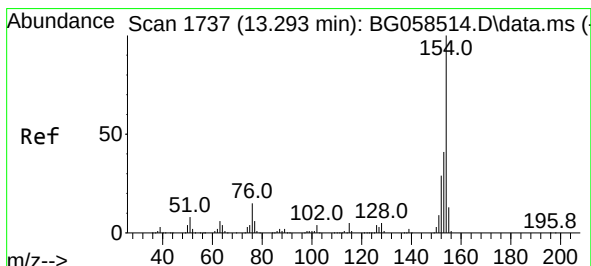
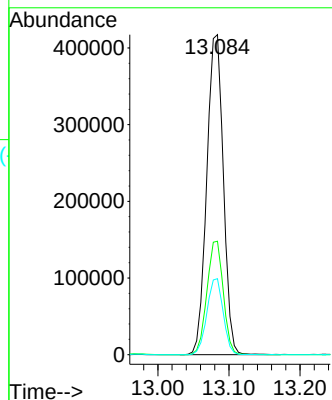
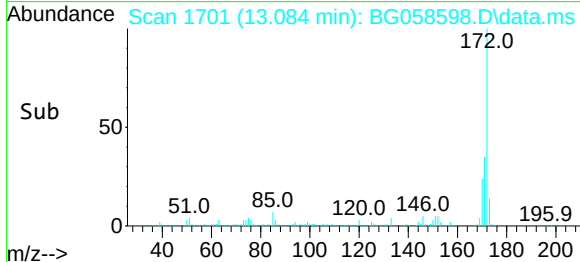
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



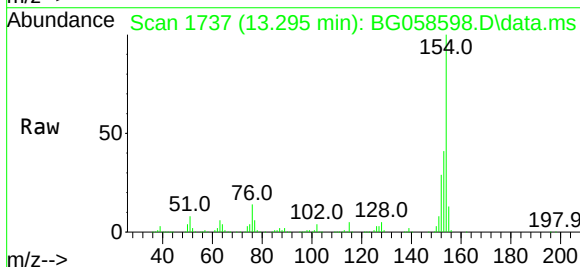
Tgt Ion:172 Resp: 678169  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.0 42.0  
170 23.8 18.4 27.6

Manual Integrations  
APPROVED

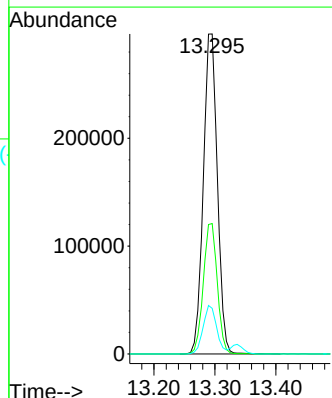
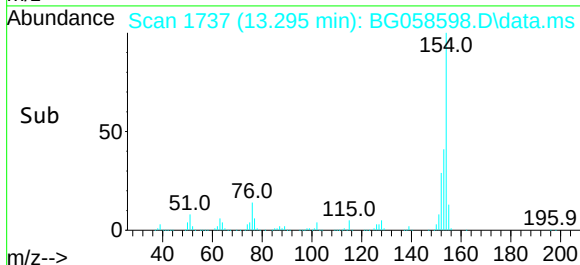
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

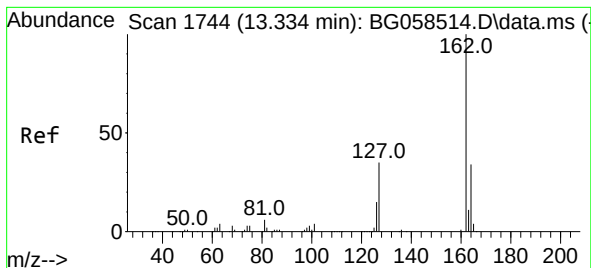


#46  
1,1'-Biphenyl  
Concen: 48.555 ng  
RT: 13.295 min Scan# 1737  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



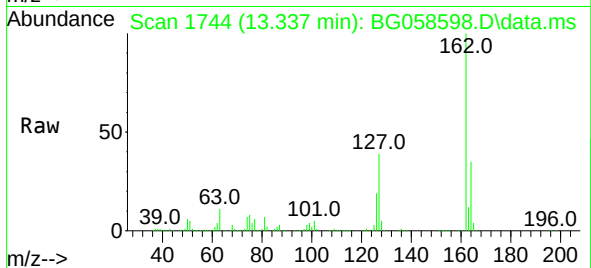
Tgt Ion:154 Resp: 475523  
Ion Ratio Lower Upper  
154 100  
153 40.8 21.2 61.2  
76 14.3 0.0 34.7





#47  
2-Chloronaphthalene  
Concen: 49.950 ng  
RT: 13.337 min Scan# 1744  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

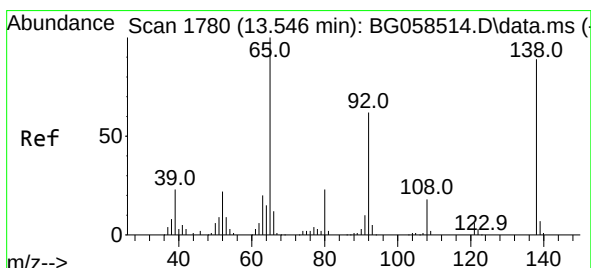
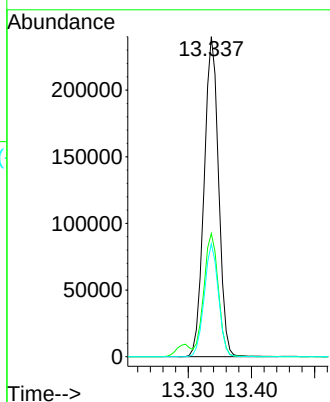
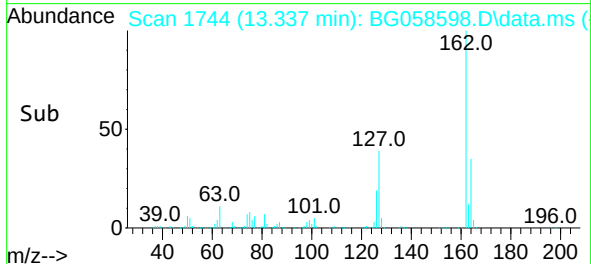
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



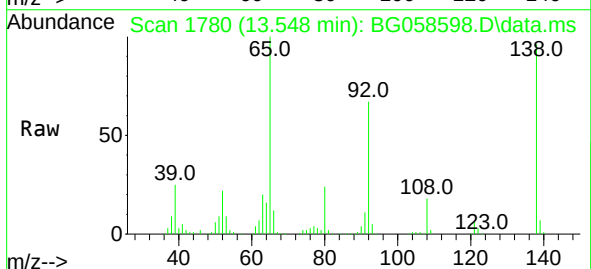
Tgt Ion:162 Resp: 38141  
Ion Ratio Lower Upper  
162 100  
127 38.5 30.9 46.3  
164 35.3 27.2 40.8

Manual Integrations  
APPROVED

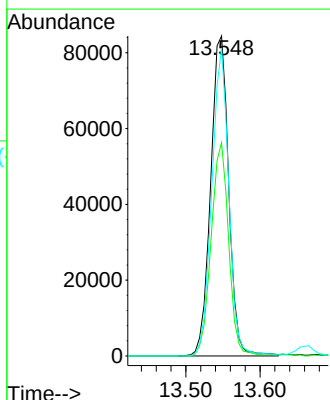
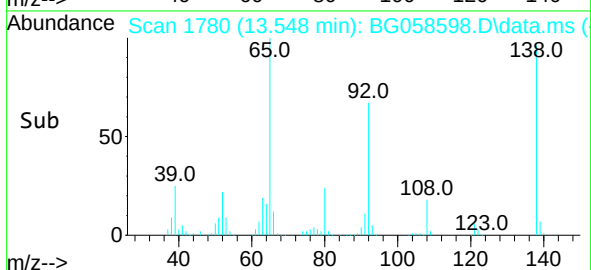
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

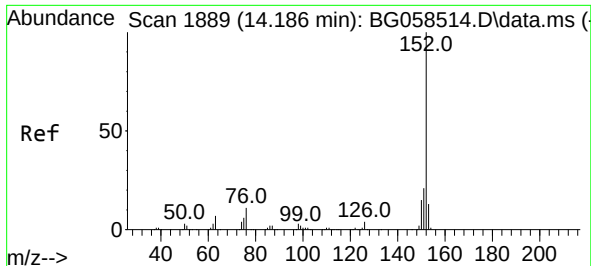


#48  
2-Nitroaniline  
Concen: 48.944 ng  
RT: 13.548 min Scan# 1780  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



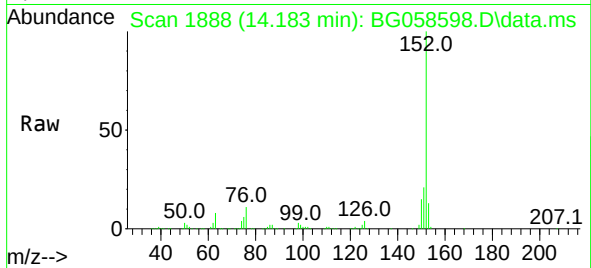
Tgt Ion: 65 Resp: 142652  
Ion Ratio Lower Upper  
65 100  
92 66.7 49.2 73.8  
138 96.2 71.5 107.3





#49  
Acenaphthylene  
Concen: 48.817 ng  
RT: 14.183 min Scan# 1889  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

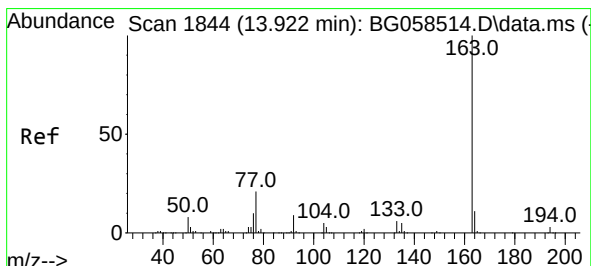
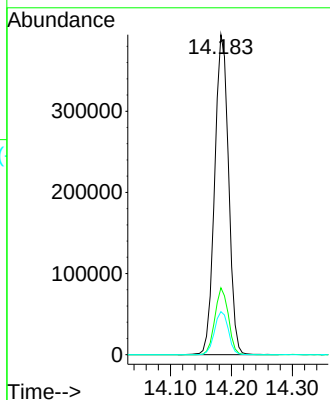
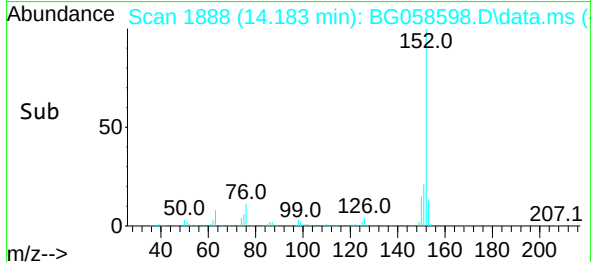
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



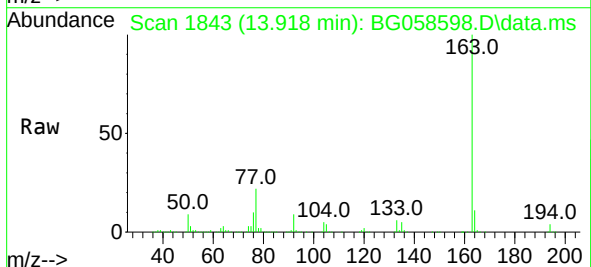
Tgt Ion:152 Resp: 624094  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.5 24.7  
153 13.5 10.7 16.1

Manual Integrations  
APPROVED

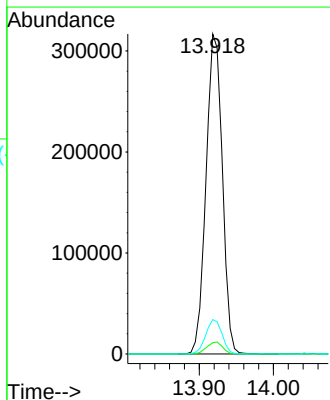
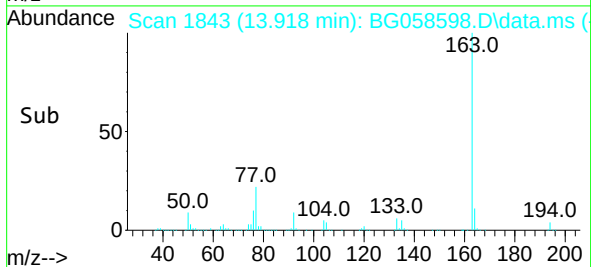
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

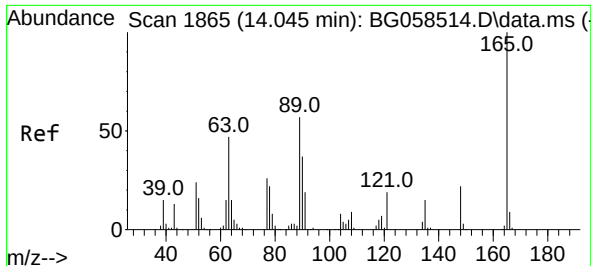


#50  
Dimethylphthalate  
Concen: 45.190 ng  
RT: 13.918 min Scan# 1843  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:163 Resp: 483990  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.7 4.1  
164 10.8 8.6 12.8





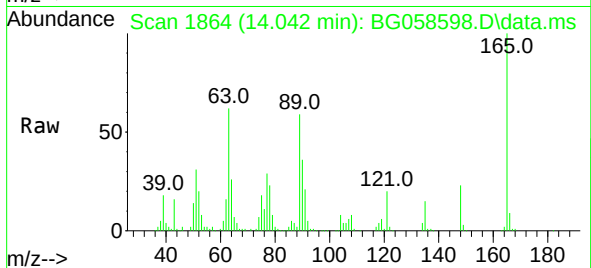
#51  
2,6-Dinitrotoluene  
Concen: 47.339 ng  
RT: 14.042 min Scan# 1865  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

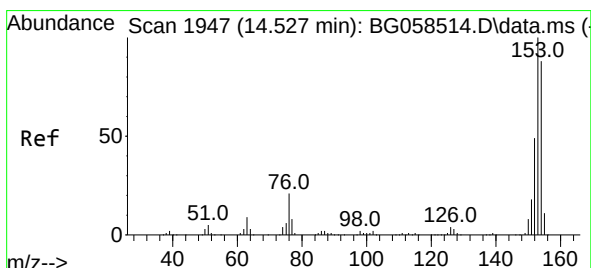
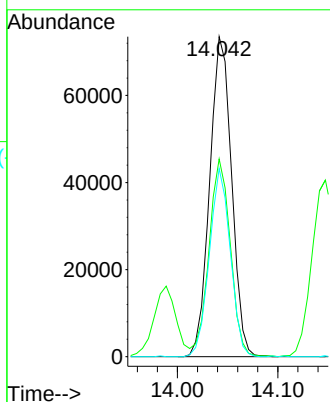
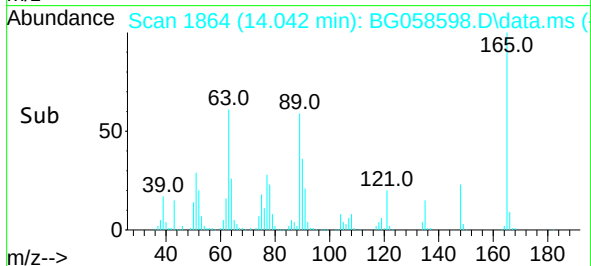


Tgt Ion:165 Resp: 111240  
Ion Ratio Lower Upper  
165 100  
63 61.8 46.4 69.6  
89 58.8 45.3 67.9

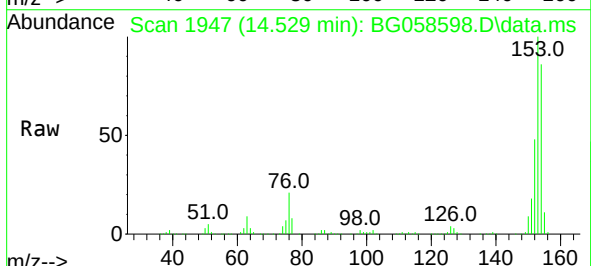
Manual Integrations

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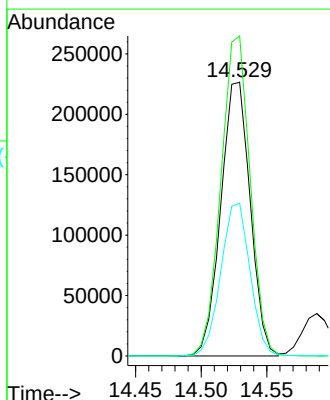
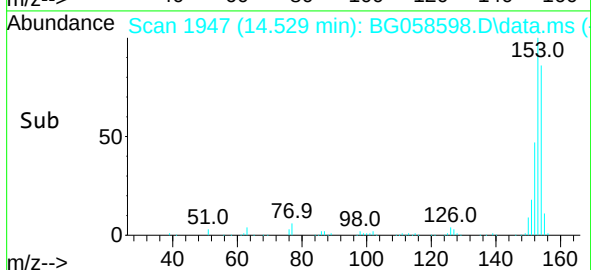
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

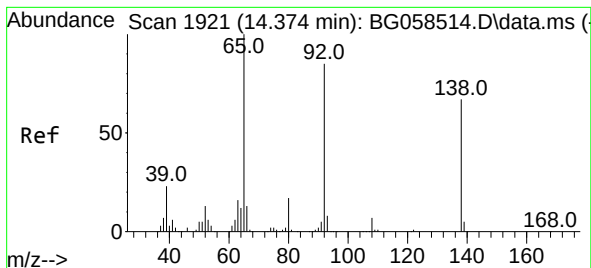


#52  
Acenaphthene  
Concen: 47.852 ng  
RT: 14.529 min Scan# 1947  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:154 Resp: 353489  
Ion Ratio Lower Upper  
154 100  
153 116.9 91.1 136.7  
152 55.8 44.6 66.8





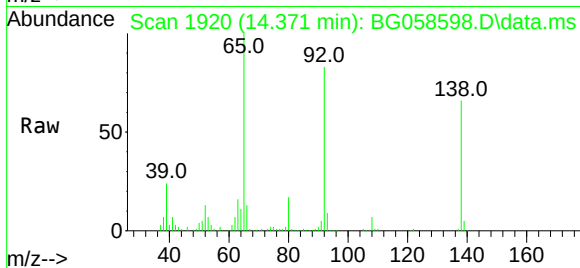
#53  
3-Nitroaniline  
Concen: 32.930 ng  
RT: 14.371 min Scan# 1921  
Delta R.T. -0.004 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

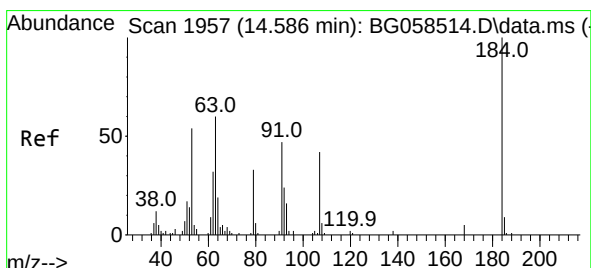
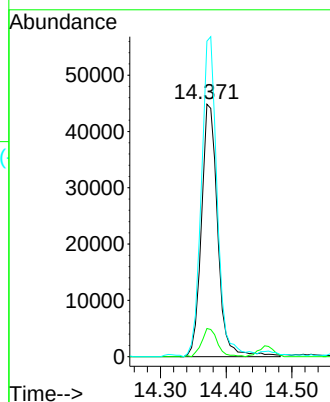
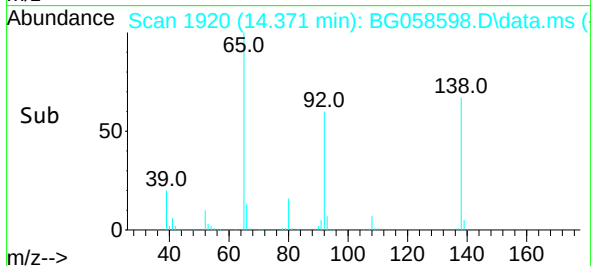


Tgt Ion:138 Resp: 7742  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.3 12.5  
92 125.0 101.1 151.7

Manual Integrations

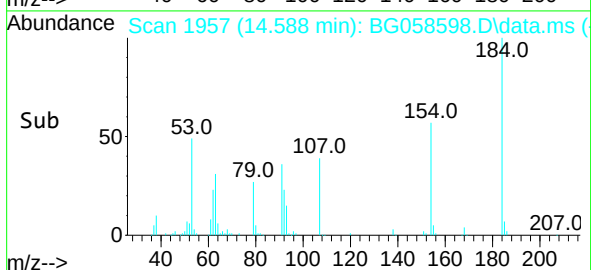
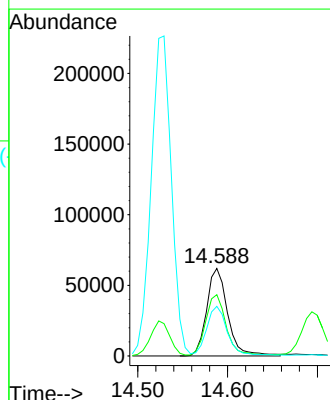
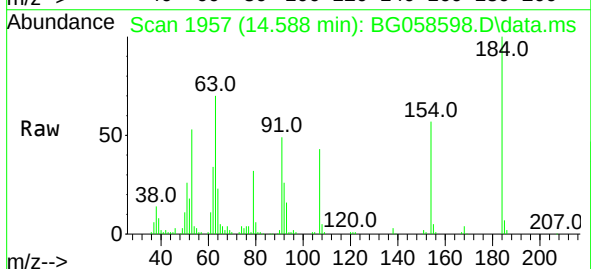
APPROVED

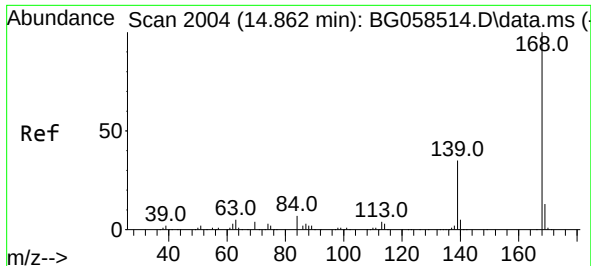
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#54  
2,4-Dinitrophenol  
Concen: 76.312 ng  
RT: 14.588 min Scan# 1957  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

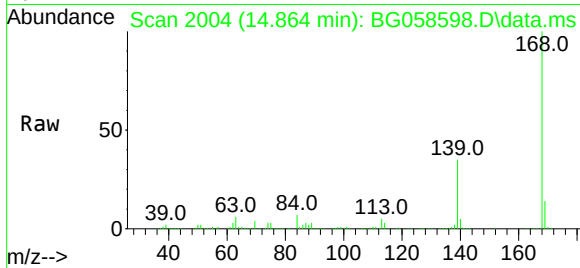
Tgt Ion:184 Resp: 100589  
Ion Ratio Lower Upper  
184 100  
63 70.0 56.7 85.1  
154 56.7 46.1 69.1





#55  
Dibenzofuran  
Concen: 46.814 ng  
RT: 14.864 min Scan# 2004  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

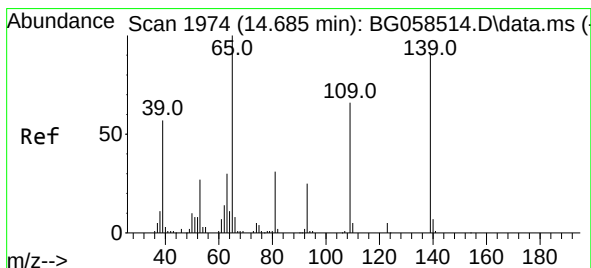
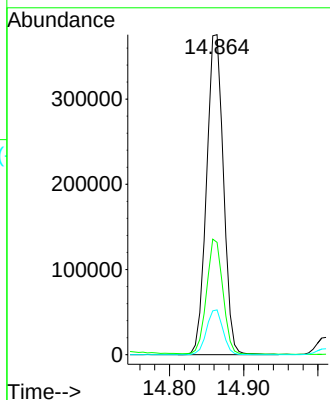
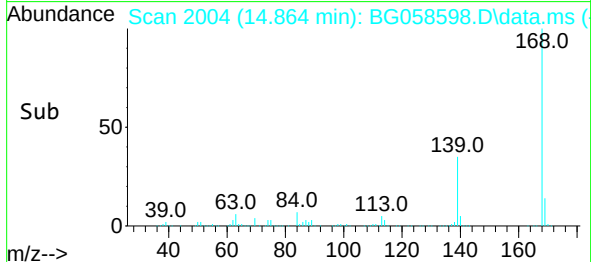
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:168 Resp: 594230  
Ion Ratio Lower Upper  
168 100  
139 35.1 27.8 41.8  
169 14.0 10.6 16.0

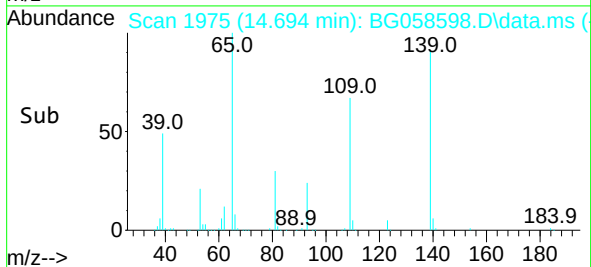
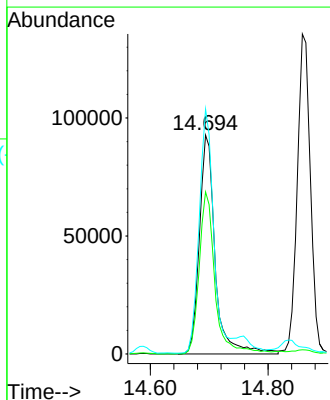
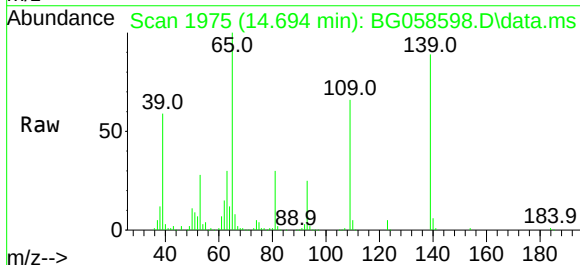
Manual Integrations  
APPROVED

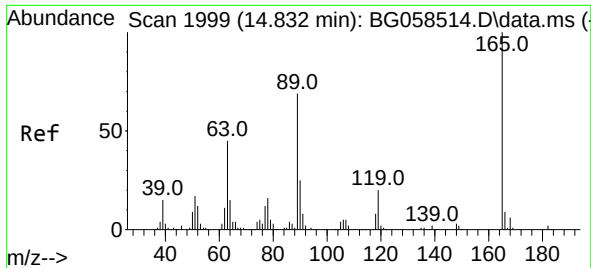
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#56  
4-Nitrophenol  
Concen: 98.567 ng  
RT: 14.694 min Scan# 1975  
Delta R.T. 0.009 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:139 Resp: 173125  
Ion Ratio Lower Upper  
139 100  
109 74.0 52.5 92.5  
65 111.9 90.5 130.5





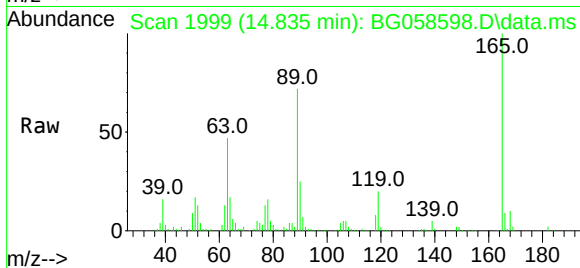
#57  
2,4-Dinitrotoluene  
Concen: 48.498 ng  
RT: 14.835 min Scan# 1999  
Delta R.T. 0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

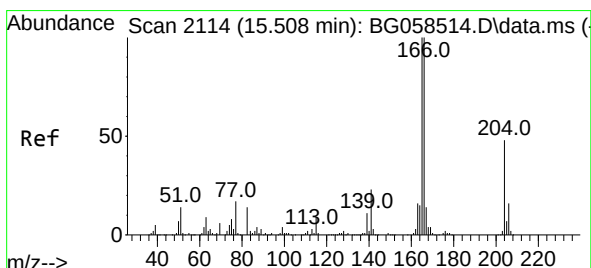
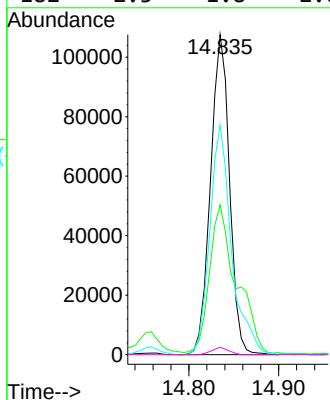
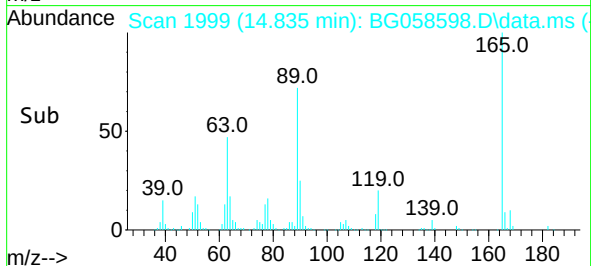


Tgt Ion:165 Resp: 158000  
Ion Ratio Lower Upper  
165 100  
63 46.8 36.6 54.8  
89 71.7 55.4 83.0  
182 2.3 1.8 2.6

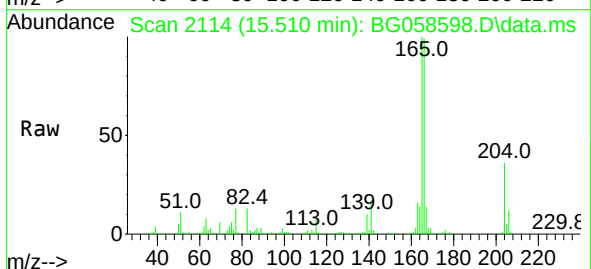
Manual Integrations

APPROVED

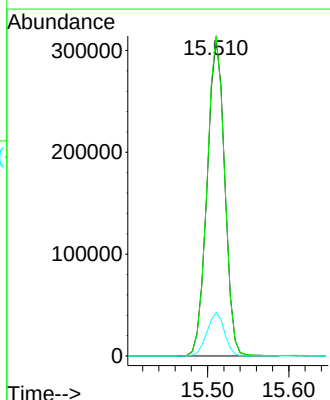
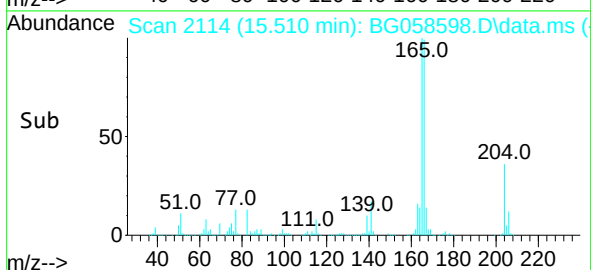
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



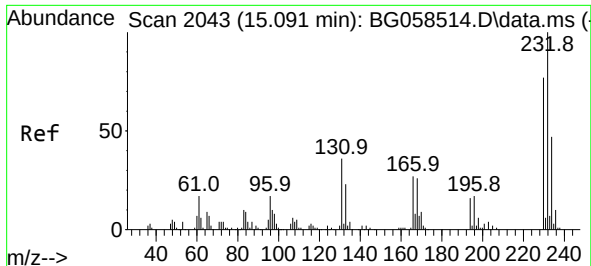
#58  
Fluorene  
Concen: 46.438 ng  
RT: 15.510 min Scan# 2114  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:166 Resp: 468268  
Ion Ratio Lower Upper  
166 100  
165 101.0 80.0 120.0  
167 13.7 11.3 16.9

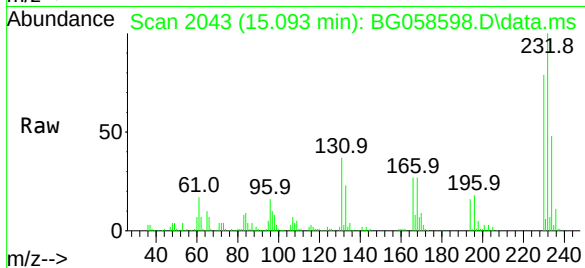






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.824 ng  
RT: 15.093 min Scan# 2043  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

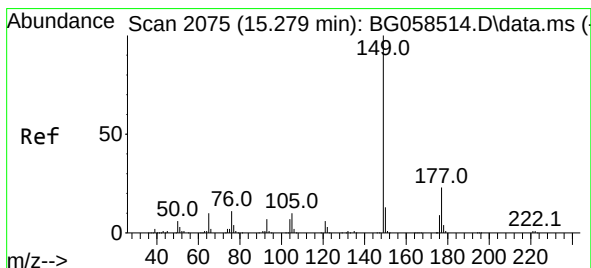
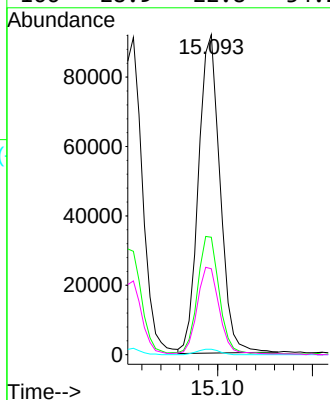
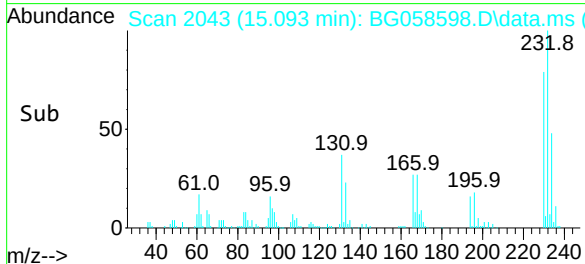
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



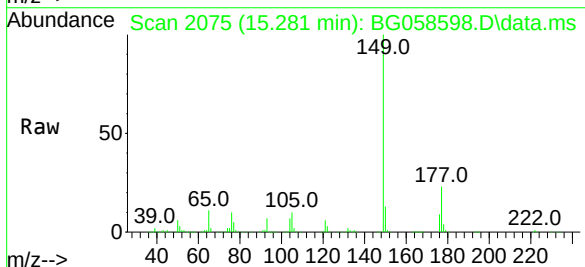
Tgt Ion:232 Resp: 144740  
Ion Ratio Lower Upper  
232 100  
131 37.6 30.0 45.0  
130 1.8 1.5 2.3  
166 28.9 22.8 34.2

Manual Integrations  
APPROVED

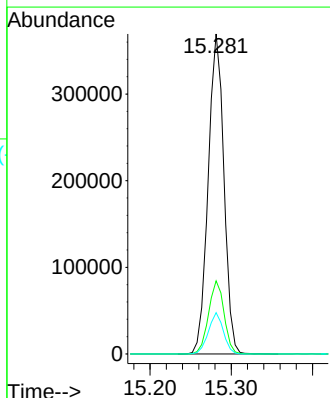
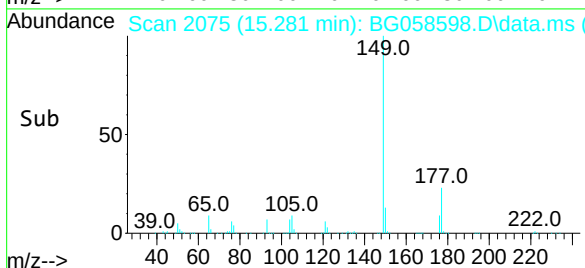
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

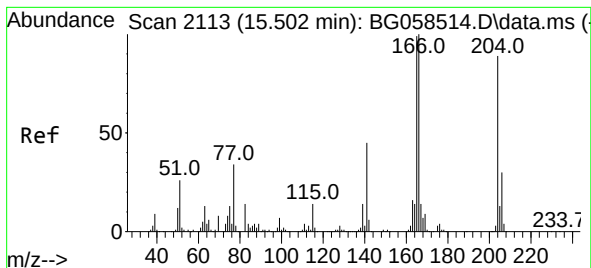


#60  
Diethylphthalate  
Concen: 45.373 ng  
RT: 15.281 min Scan# 2075  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



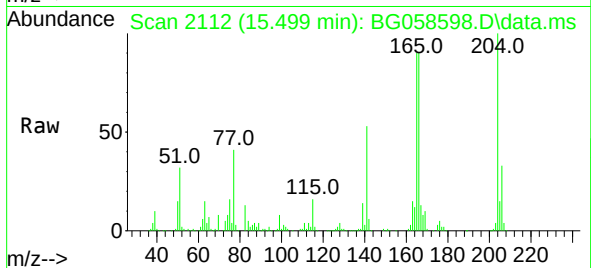
Tgt Ion:149 Resp: 495061  
Ion Ratio Lower Upper  
149 100  
177 22.8 18.2 27.4  
150 12.9 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 45.716 ng  
RT: 15.499 min Scan# 2113  
Delta R.T. -0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

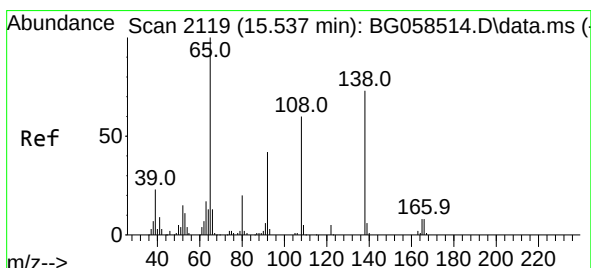
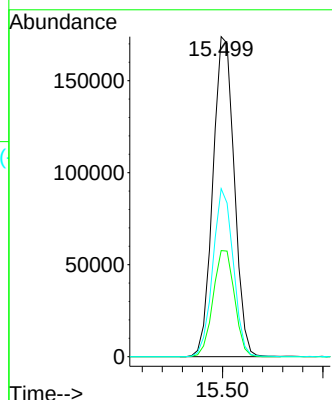
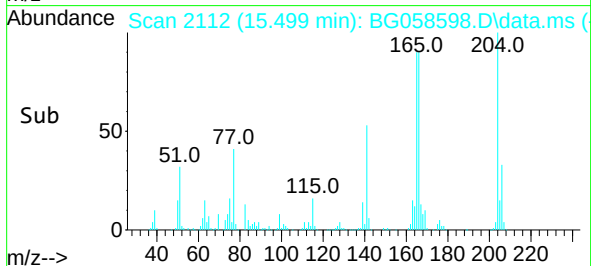
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:204 Resp: 257008  
Ion Ratio Lower Upper  
204 100  
206 33.1 27.0 40.4  
141 52.5 40.8 61.2

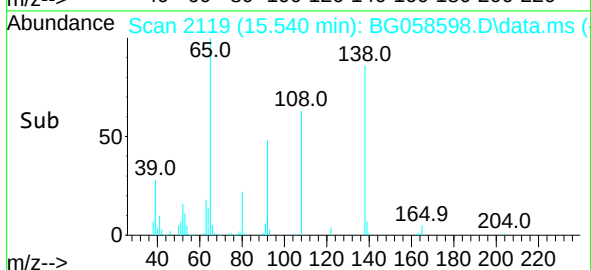
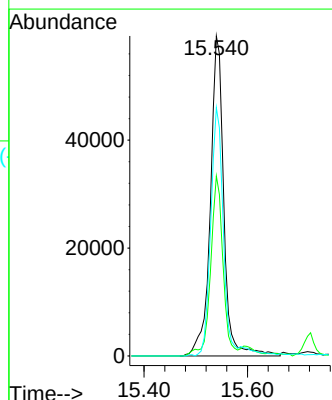
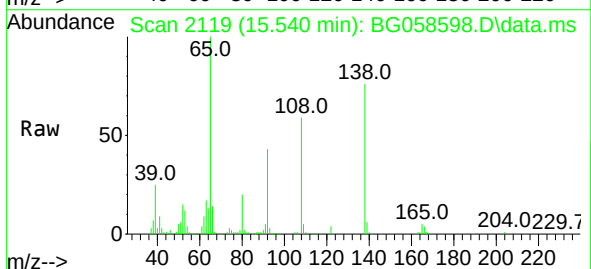
Manual Integrations  
APPROVED

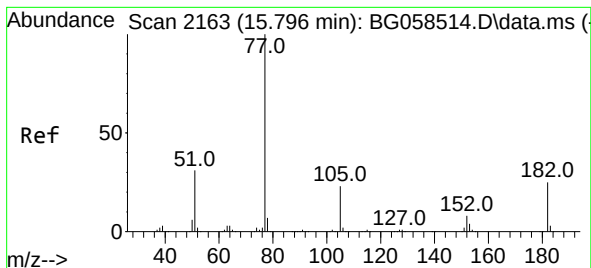
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#62  
4-Nitroaniline  
Concen: 48.240 ng  
RT: 15.540 min Scan# 2119  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:138 Resp: 107441  
Ion Ratio Lower Upper  
138 100  
92 56.2 37.3 77.3  
108 77.6 62.6 102.6





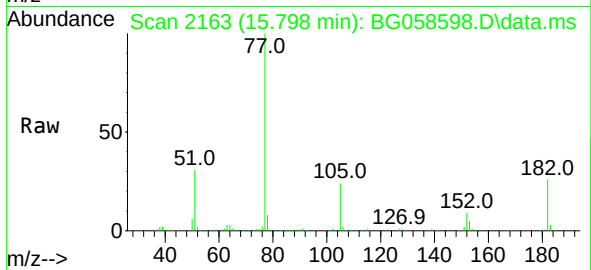
#63  
Azobenzene  
Concen: 46.361 ng  
RT: 15.798 min Scan# 2163  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

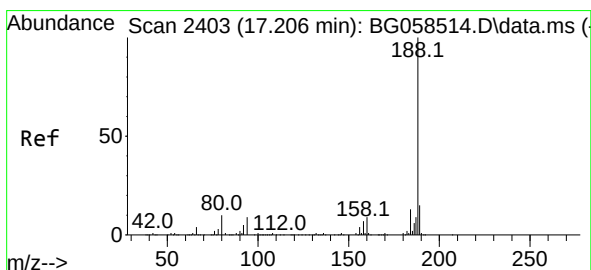
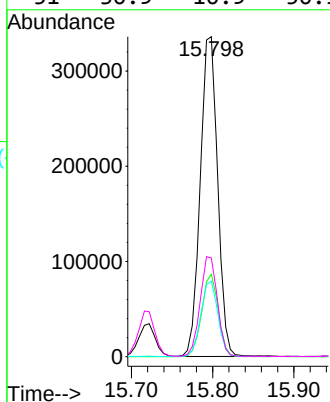
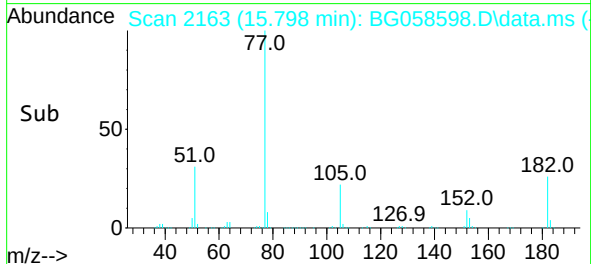


Tgt Ion: 77 Resp: 498230  
Ion Ratio Lower Upper  
77 100  
182 25.8 4.6 44.6  
105 23.6 3.3 43.3  
51 30.9 10.9 50.9

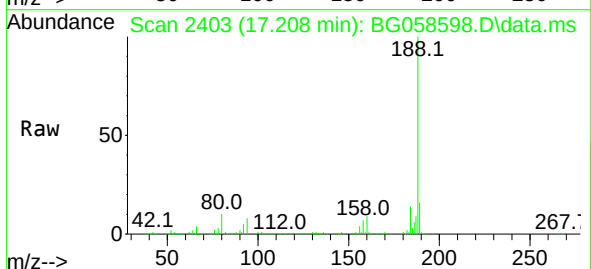
Manual Integrations

APPROVED

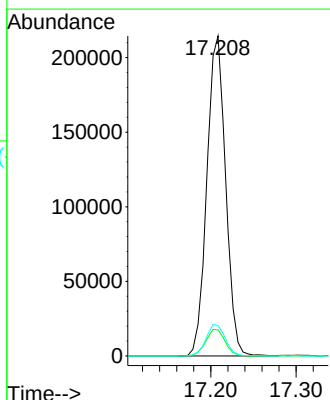
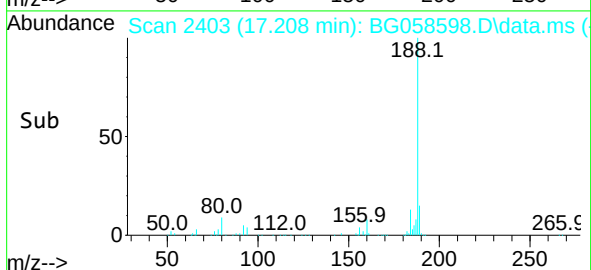
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

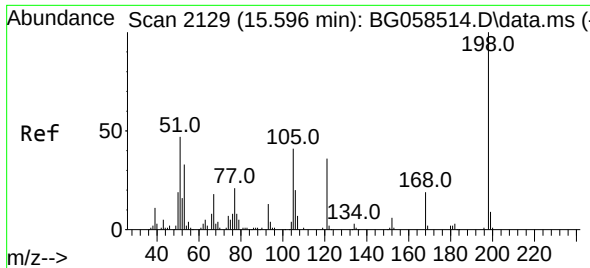


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.208 min Scan# 2403  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:188 Resp: 327521  
Ion Ratio Lower Upper  
188 100  
94 8.2 7.0 10.6  
80 9.5 8.1 12.1





#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.719 ng  
RT: 15.599 min Scan# 2129  
Delta R.T. 0.003 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

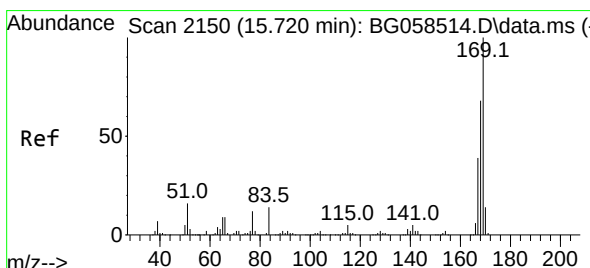
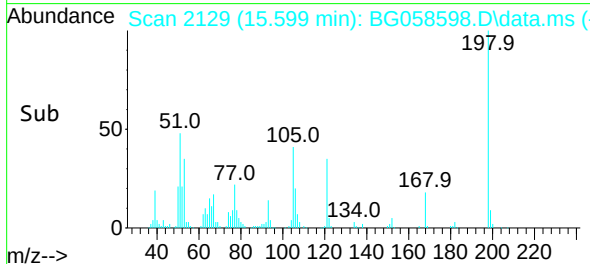
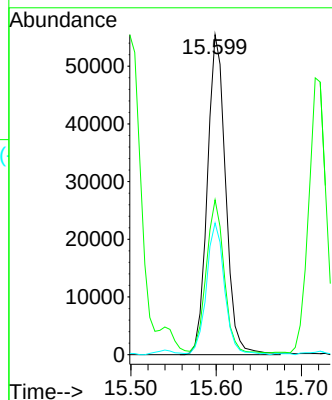
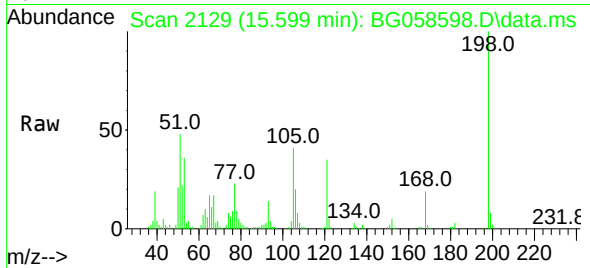
B-P32BMSD

Tgt Ion:198 Resp: 8256  
Ion Ratio Lower Upper  
198 100  
51 48.4 29.3 69.3  
105 41.2 21.0 61.0

Manual Integrations

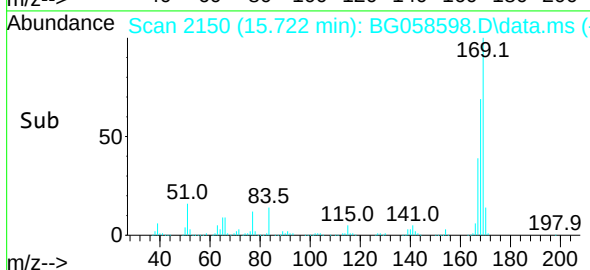
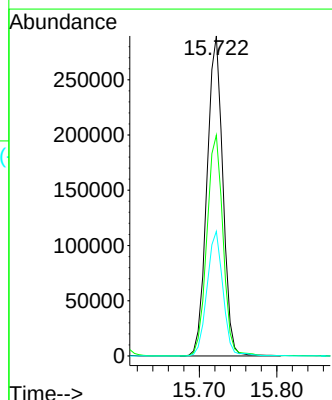
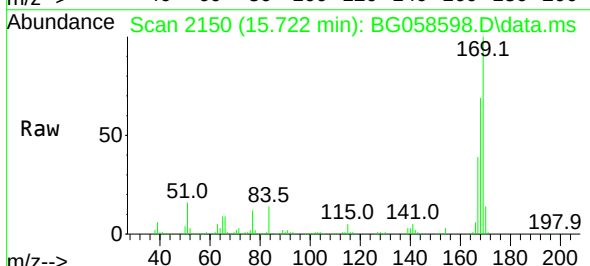
APPROVED

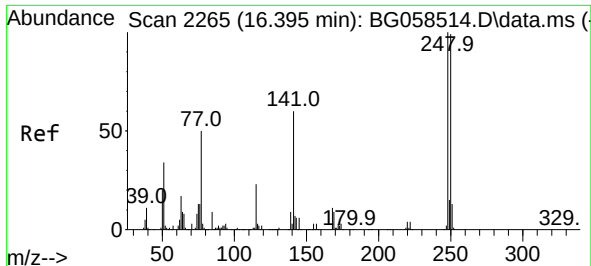
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#66  
n-Nitrosodiphenylamine  
Concen: 48.292 ng  
RT: 15.722 min Scan# 2150  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:169 Resp: 411665  
Ion Ratio Lower Upper  
169 100  
168 69.0 54.6 82.0  
167 38.9 31.3 46.9





#67  
4-Bromophenyl-phenylether  
Concen: 47.693 ng  
RT: 16.398 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

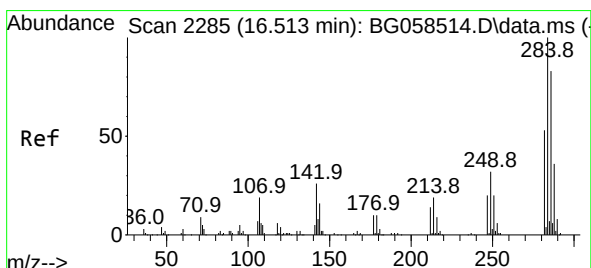
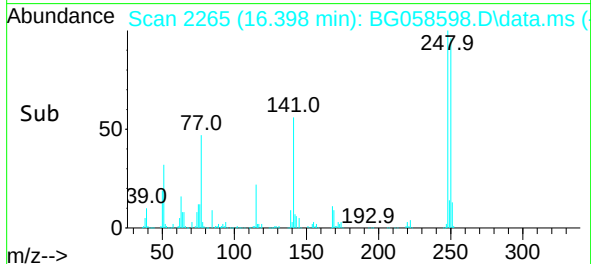
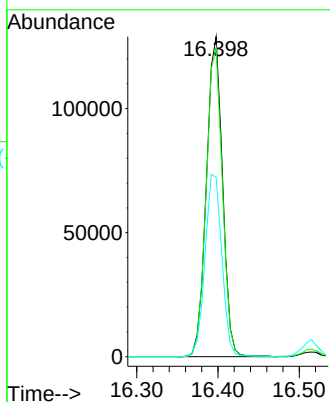
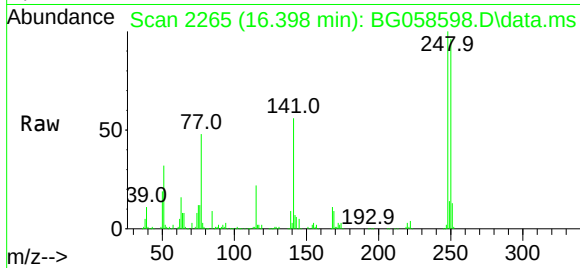
B-P32BMDS

Tgt Ion:248 Resp: 17716  
Ion Ratio Lower Upper  
248 100  
250 96.5 79.5 119.3  
141 56.0 48.2 72.2

Manual Integrations

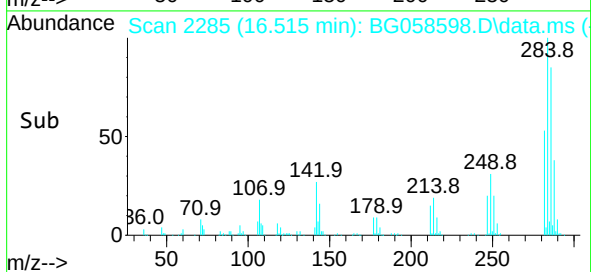
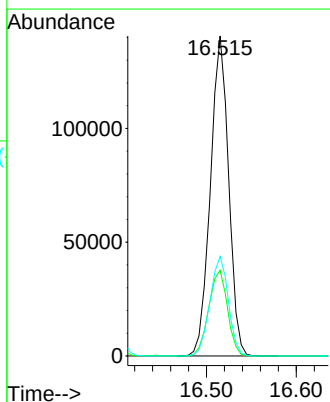
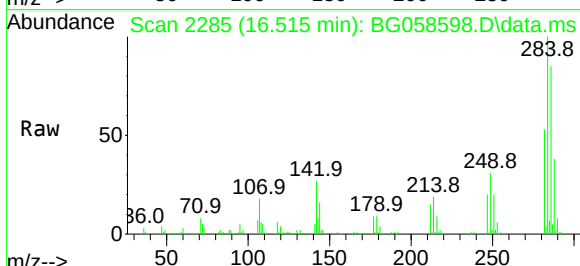
APPROVED

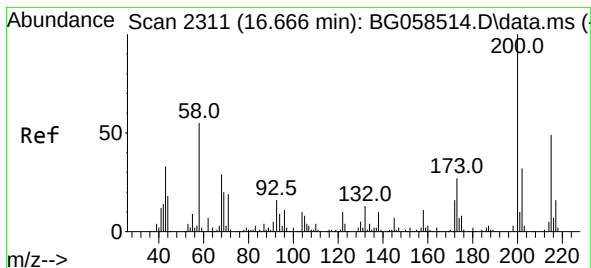
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#68  
Hexachlorobenzene  
Concen: 50.234 ng  
RT: 16.515 min Scan# 2285  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:284 Resp: 197742  
Ion Ratio Lower Upper  
284 100  
142 26.8 21.0 31.4  
249 31.1 25.5 38.3





#69

Atrazine

Concen: 57.297 ng

RT: 16.668 min Scan# 21

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

Tgt Ion:200 Resp: 16488

Ion Ratio Lower Upper

200 100

173 26.0 6.5 46.5

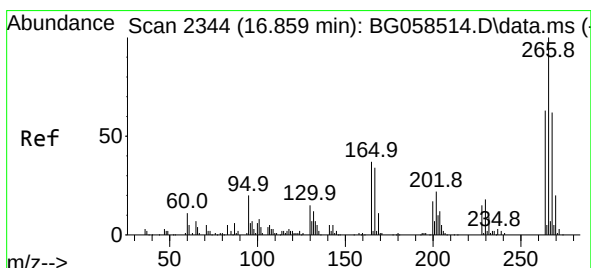
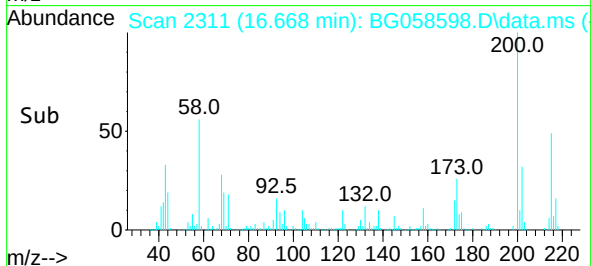
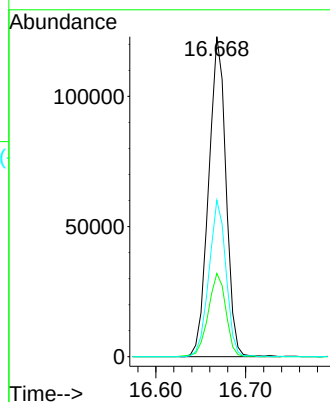
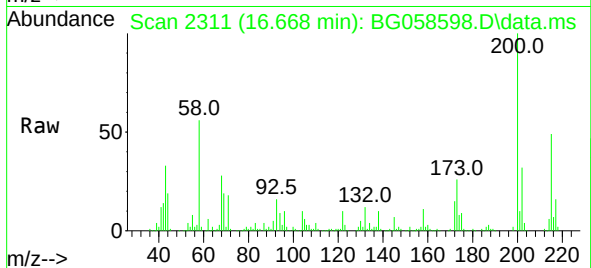
215 48.9 28.9 68.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#70

Pentachlorophenol

Concen: 86.499 ng

RT: 16.862 min Scan# 2344

Delta R.T. 0.003 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

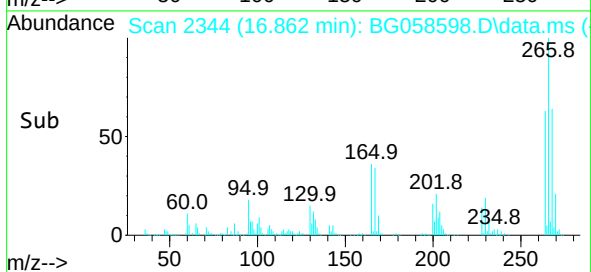
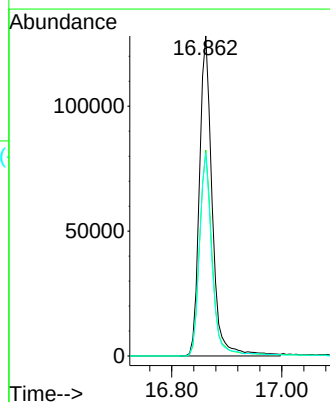
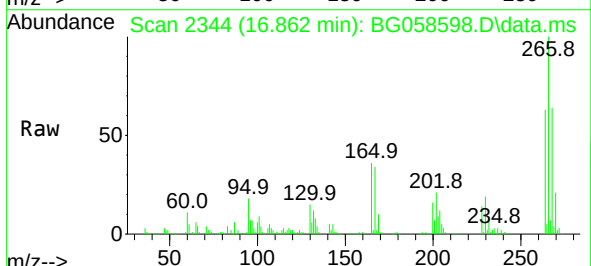
Tgt Ion:266 Resp: 206094

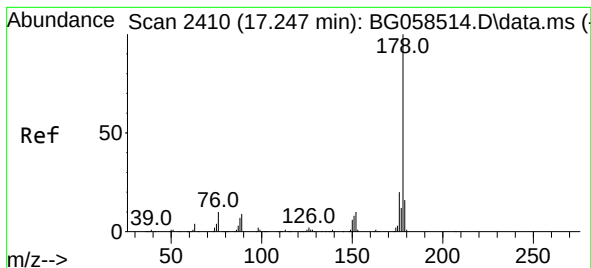
Ion Ratio Lower Upper

266 100

268 64.4 49.9 74.9

264 63.4 50.2 75.4





#71

Phenanthrene

Concen: 47.789 ng

RT: 17.250 min Scan# 2410

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

Tgt Ion:178 Resp: 74228

Ion Ratio Lower Upper

178 100

176 20.4 16.3 24.5

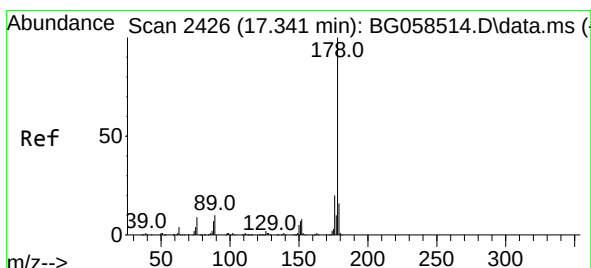
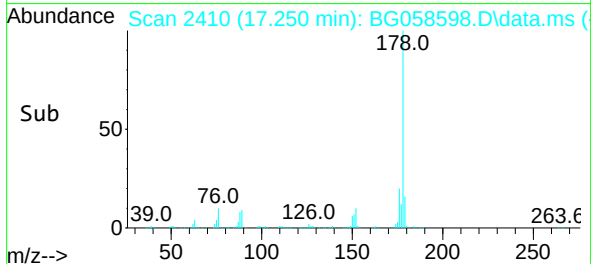
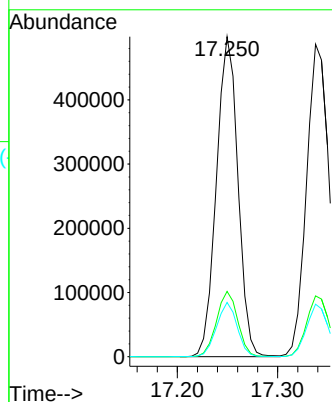
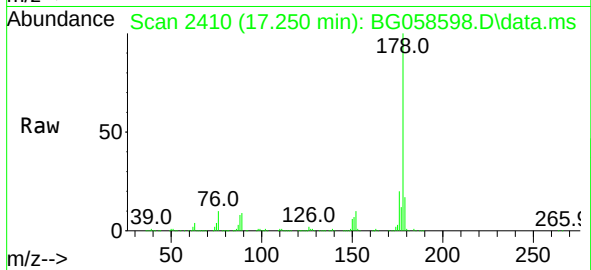
179 17.0 13.1 19.7

Manual Integrations

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#72

Anthracene

Concen: 47.413 ng

RT: 17.338 min Scan# 2425

Delta R.T. -0.003 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

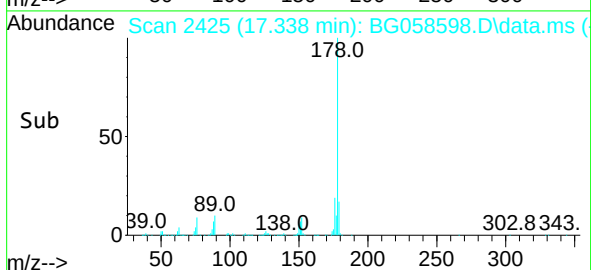
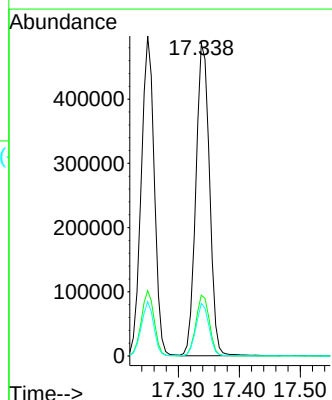
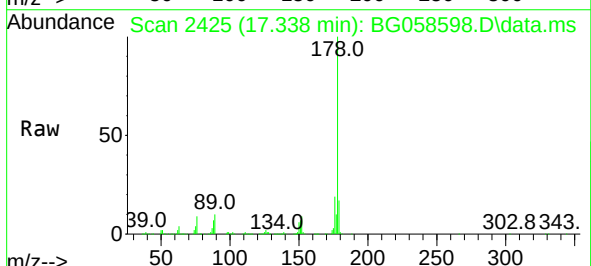
Tgt Ion:178 Resp: 755646

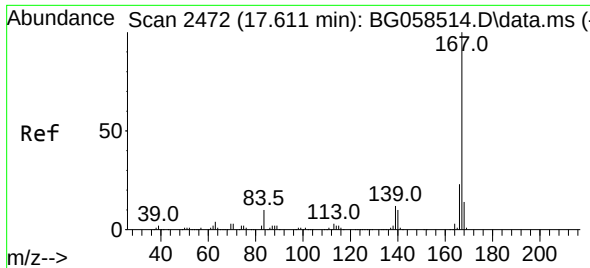
Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

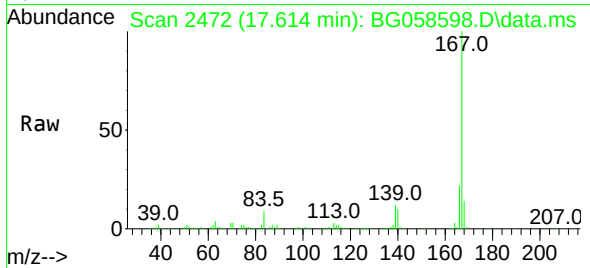
179 16.8 12.9 19.3





#73  
 Carbazole  
 Concen: 49.770 ng  
 RT: 17.614 min Scan# 2472  
 Delta R.T. 0.002 min  
 Lab File: BG058598.D  
 Acq: 3 Aug 2023 18:24

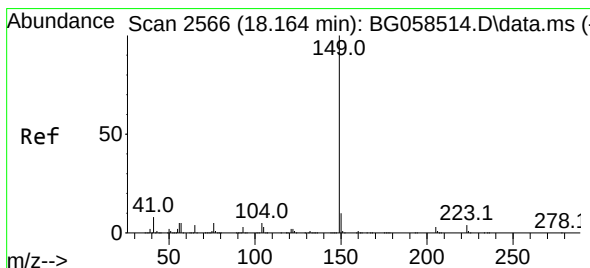
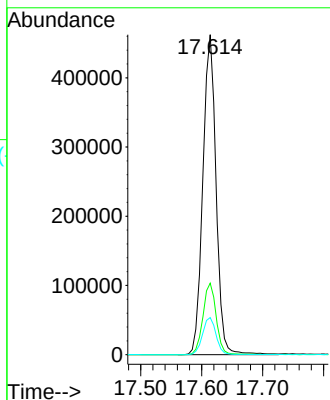
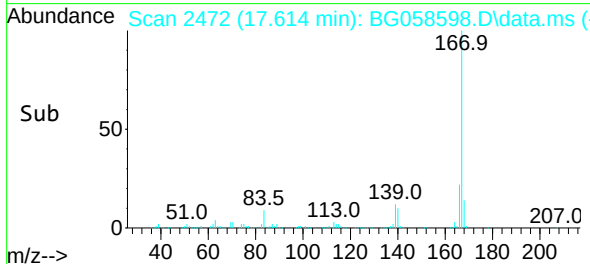
Instrument :  
 BNA\_G  
 ClientSampleId :  
 B-P32BMDS



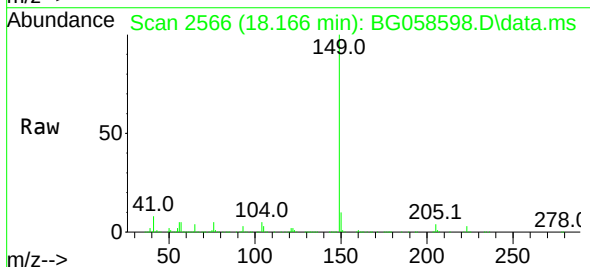
Tgt Ion:167 Resp: 69947  
 Ion Ratio Lower Upper  
 167 100  
 166 22.4 18.4 27.6  
 139 11.6 10.0 15.0

Manual Integrations  
 APPROVED

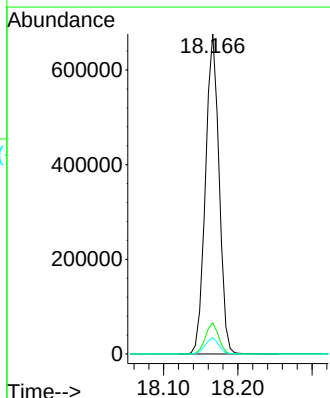
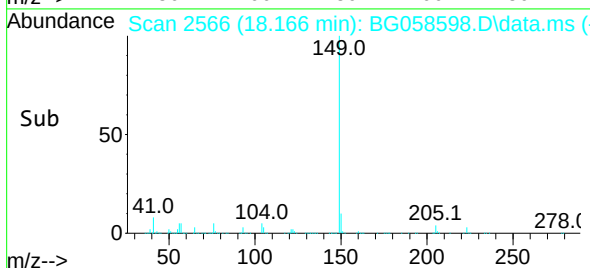
Reviewed By :Yogesh Patel 08/04/2023  
 Supervised By :mohammad ahmed 08/04/2023



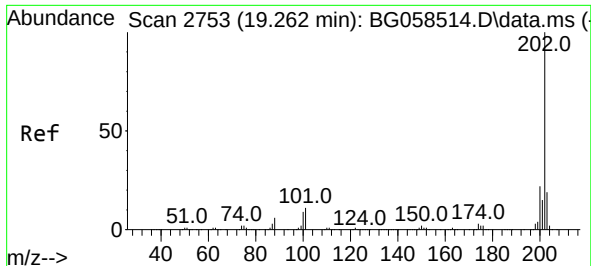
#74  
 Di-n-butylphthalate  
 Concen: 48.965 ng  
 RT: 18.166 min Scan# 2566  
 Delta R.T. 0.002 min  
 Lab File: BG058598.D  
 Acq: 3 Aug 2023 18:24



Tgt Ion:149 Resp: 861966  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 7.8 11.6  
 104 5.1 4.0 6.0







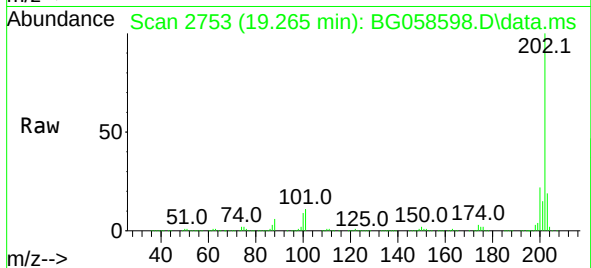
#75  
Fluoranthene  
Concen: 48.015 ng  
RT: 19.265 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

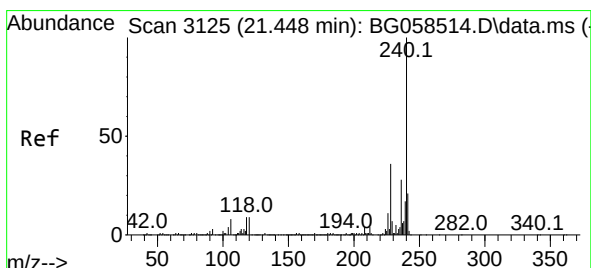
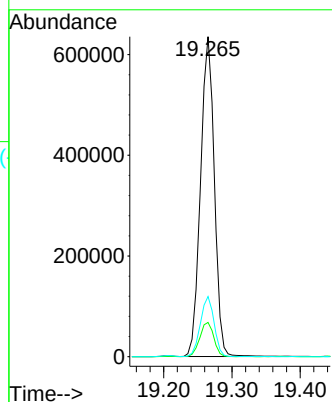
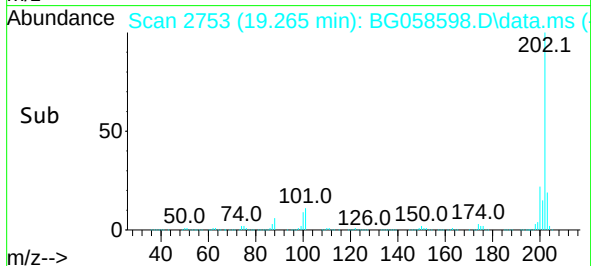


Tgt Ion:202 Resp: 89585  
Ion Ratio Lower Upper  
202 100  
101 10.7 0.0 31.4  
203 18.8 0.0 39.0

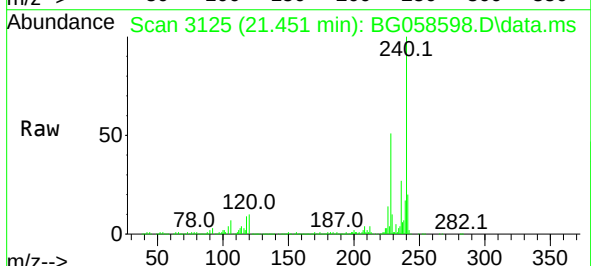
Manual Integrations

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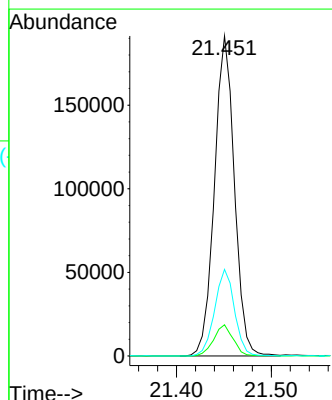
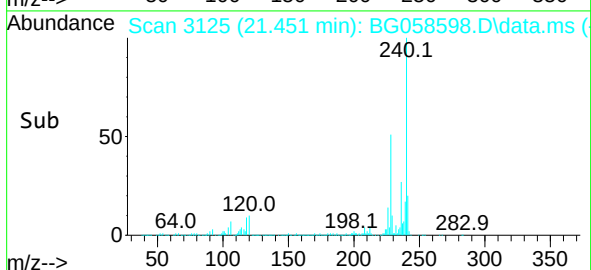
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

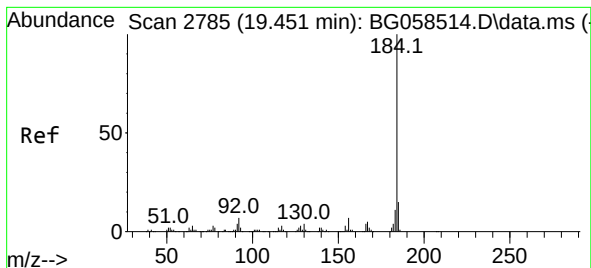


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.451 min Scan# 3125  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



Tgt Ion:240 Resp: 279820  
Ion Ratio Lower Upper  
240 100  
120 9.7 7.4 11.0  
236 27.1 22.2 33.4





#77

Benzidine

Concen: 66.181 ng

RT: 19.447 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS

Tgt Ion:184 Resp: 28082

Ion Ratio Lower Upper

184 100

185 13.9 11.9 17.9

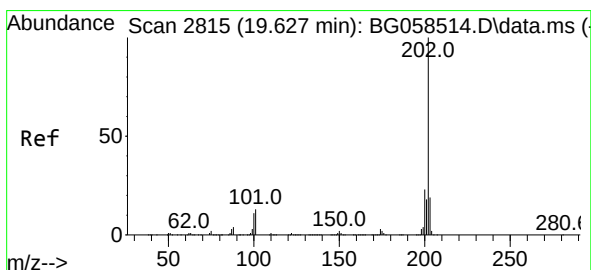
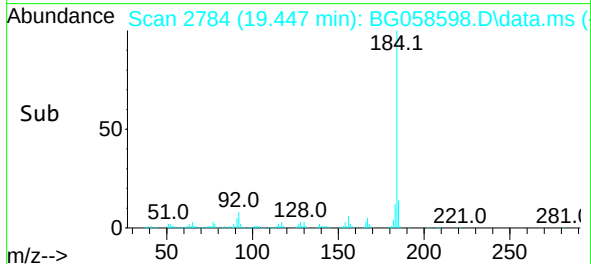
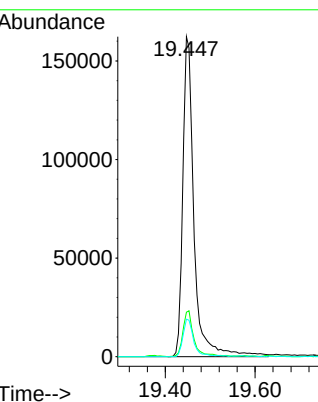
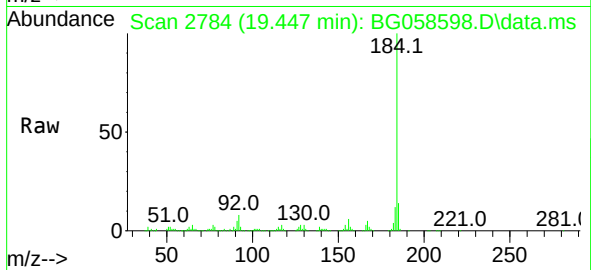
183 11.7 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#78

Pyrene

Concen: 48.396 ng

RT: 19.629 min Scan# 2815

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

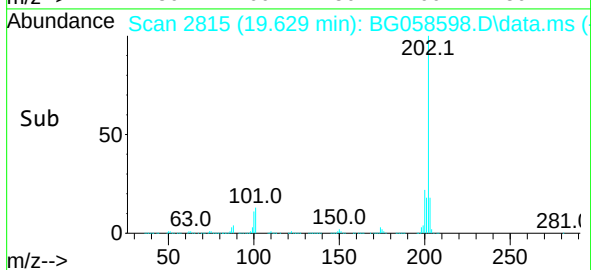
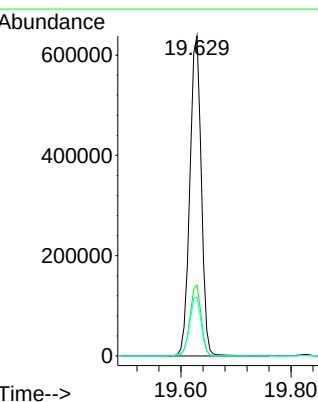
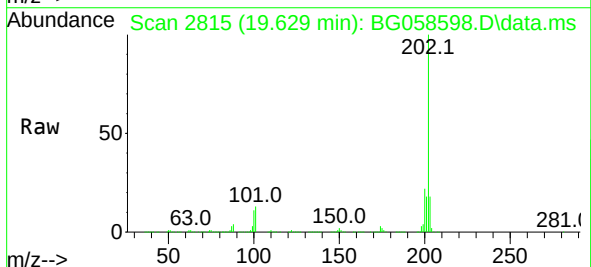
Tgt Ion:202 Resp: 921612

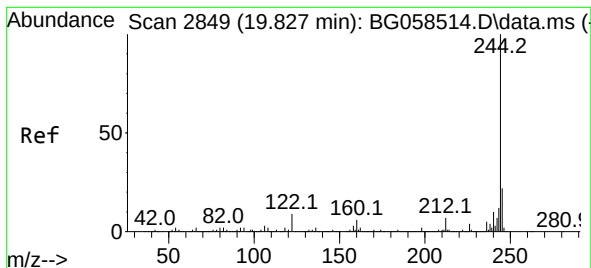
Ion Ratio Lower Upper

202 100

200 22.1 18.2 27.2

203 18.5 15.1 22.7





#79

Terphenyl-d14

Concen: 78.423 ng

RT: 19.823 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG058598.D

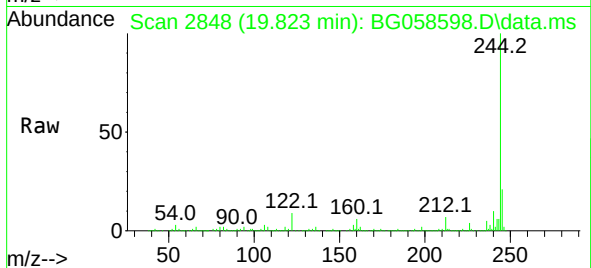
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMMSD



Tgt Ion:244 Resp: 116692

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

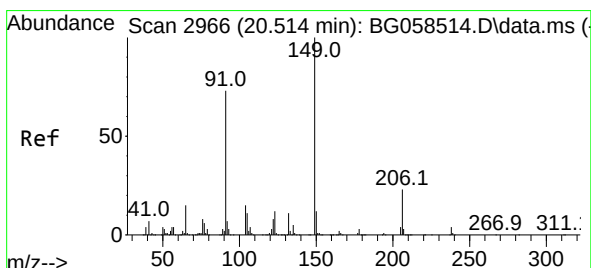
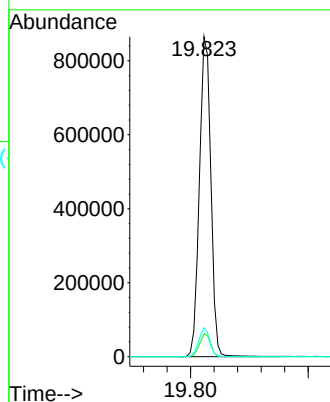
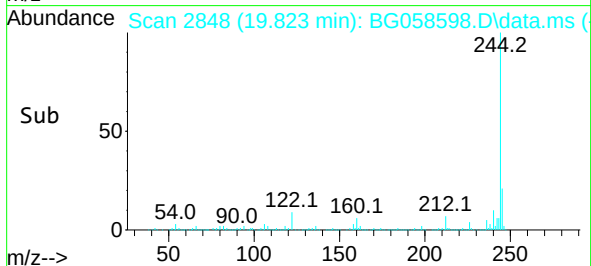
122 9.1 6.8 10.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#80

Butylbenzylphthalate

Concen: 50.116 ng

RT: 20.516 min Scan# 2966

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

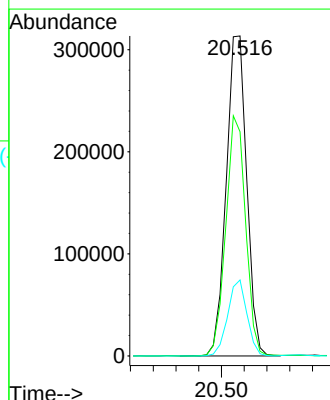
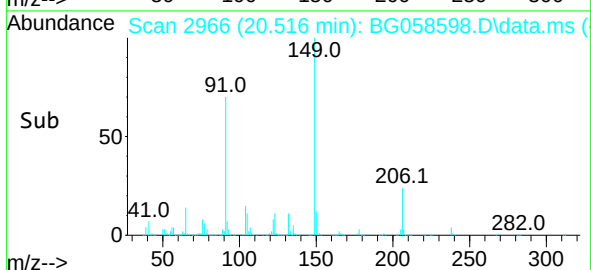
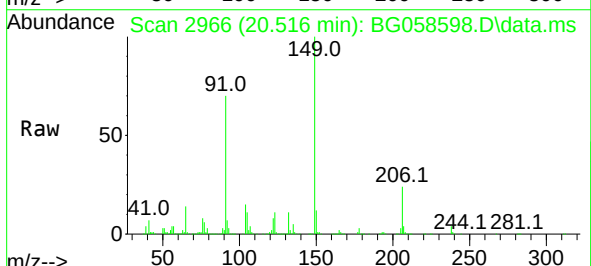
Tgt Ion:149 Resp: 392018

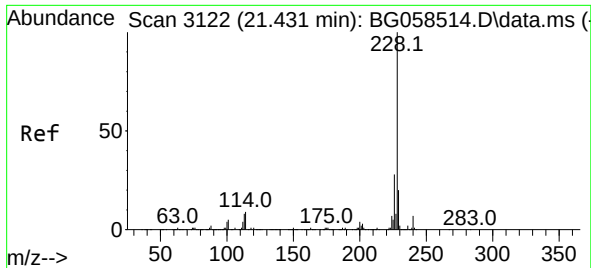
Ion Ratio Lower Upper

149 100

91 70.0 58.4 87.6

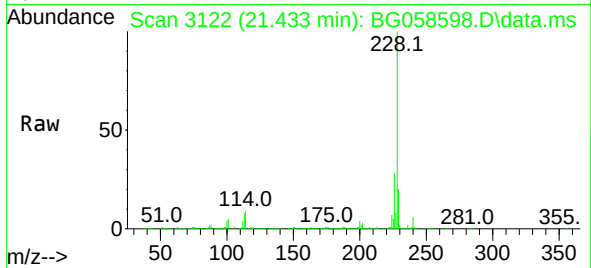
206 23.8 18.3 27.5





#81  
Benzo(a)anthracene  
Concen: 49.012 ng  
RT: 21.433 min Scan# 3122  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

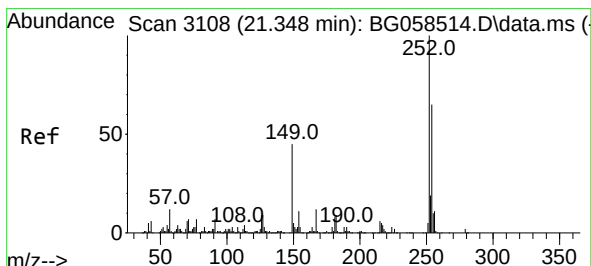
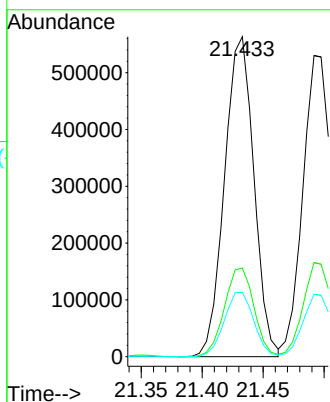
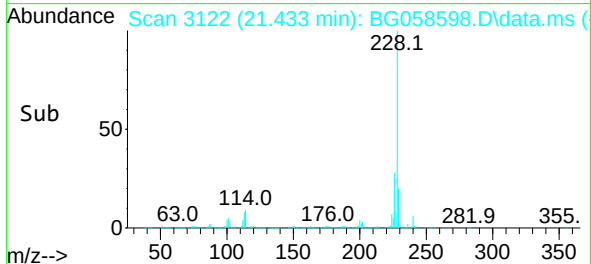
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:228 Resp: 94381  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.6 33.8  
229 20.1 16.3 24.5

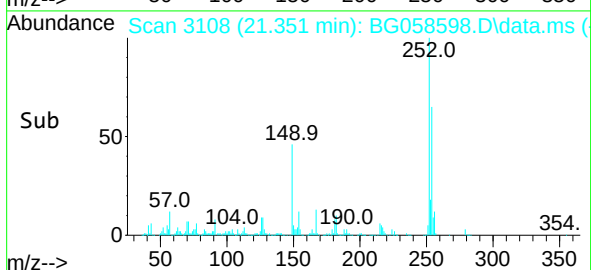
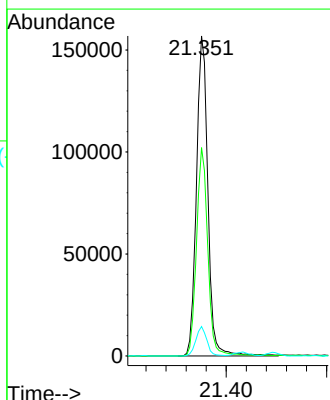
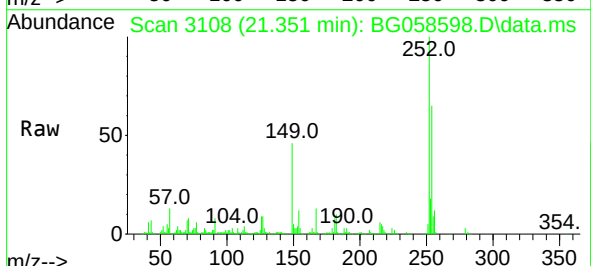
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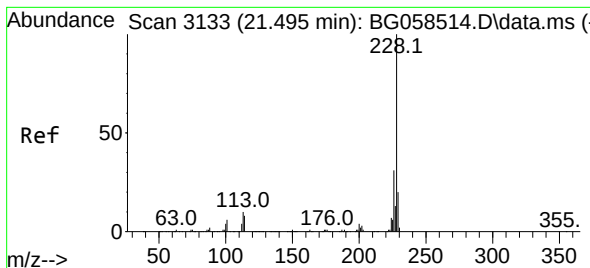
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 38.133 ng  
RT: 21.351 min Scan# 3108  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:252 Resp: 248284  
Ion Ratio Lower Upper  
252 100  
254 65.1 52.2 78.4  
126 9.2 7.2 10.8





#83

Chrysene

Concen: 47.457 ng

RT: 21.492 min Scan# 3133

Delta R.T. -0.003 min

Lab File: BG058598.D

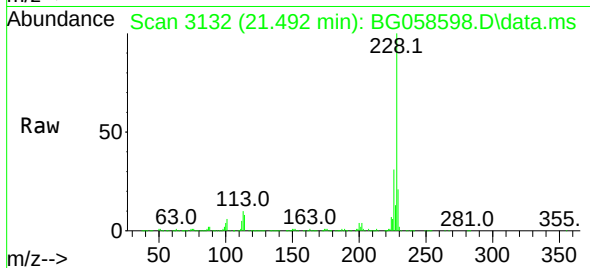
Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMDS



Tgt Ion:228 Resp: 87622

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

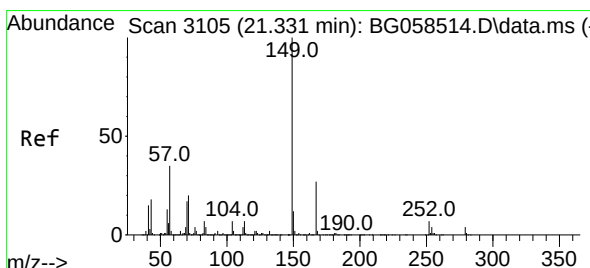
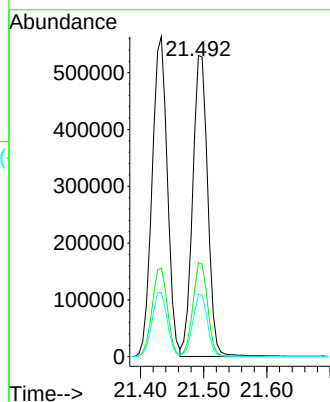
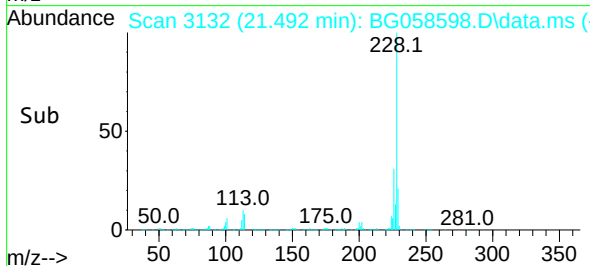
229 20.7 16.3 24.5

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Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.524 ng

RT: 21.333 min Scan# 3105

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

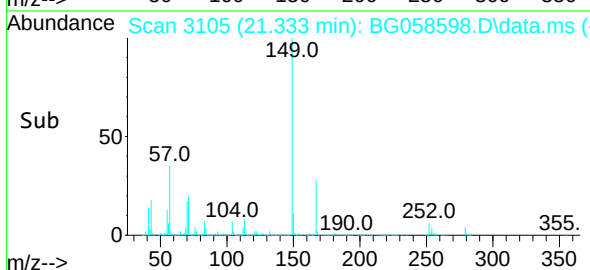
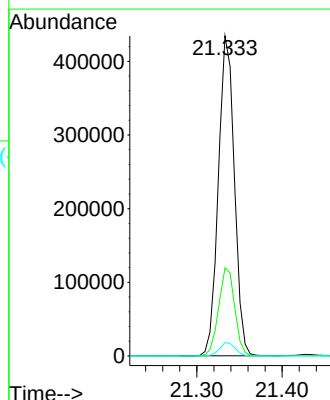
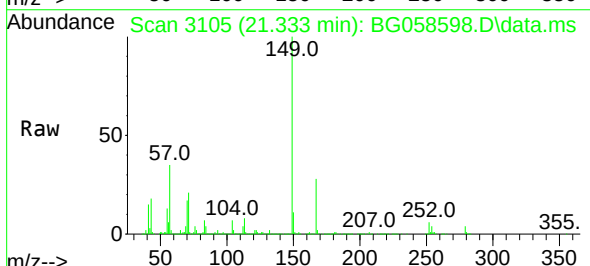
Tgt Ion:149 Resp: 566102

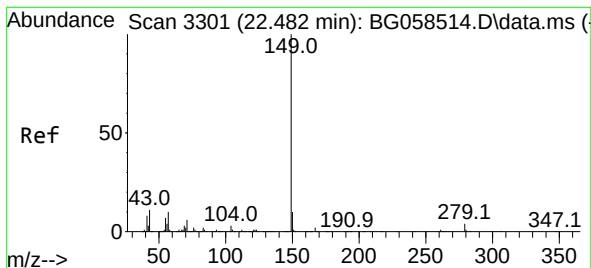
Ion Ratio Lower Upper

149 100

167 27.6 21.8 32.8

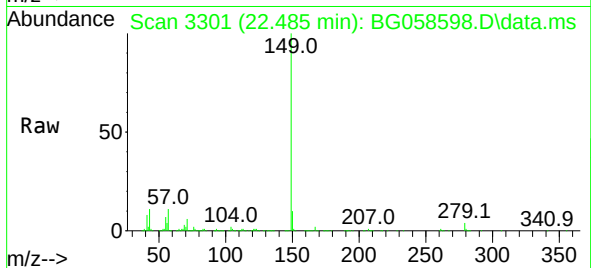
279 4.2 2.9 4.3





#85  
Di-n-octyl phthalate  
Concen: 50.272 ng  
RT: 22.485 min Scan# 31  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

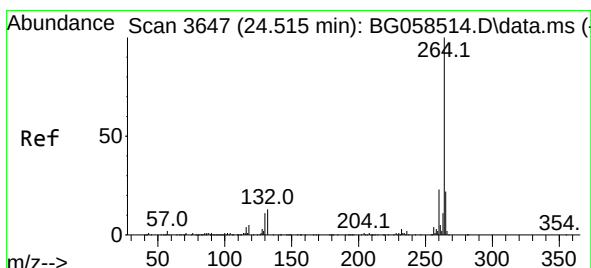
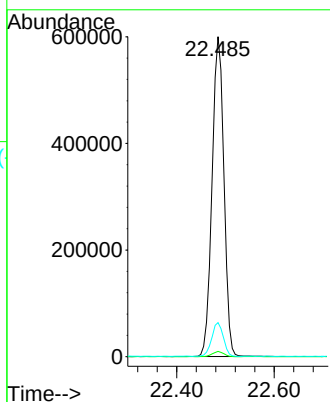
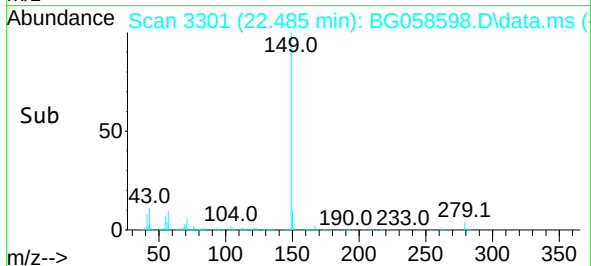
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



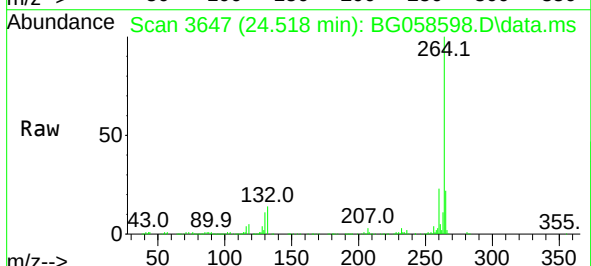
Tgt Ion:149 Resp: 101031  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.3 8.2 12.2

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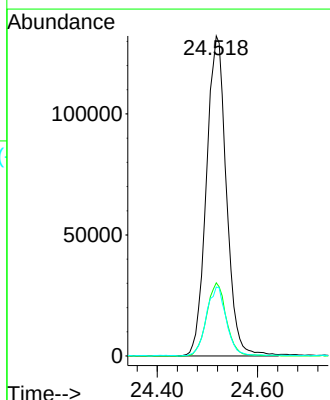
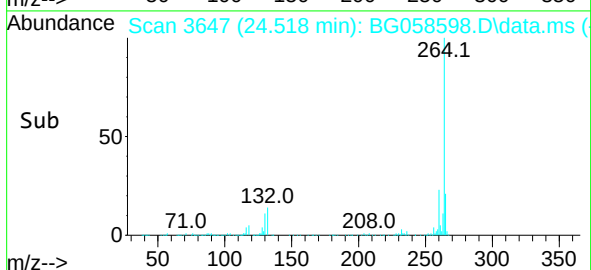
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

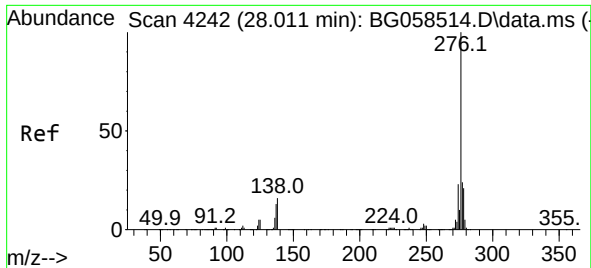


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.518 min Scan# 3647  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



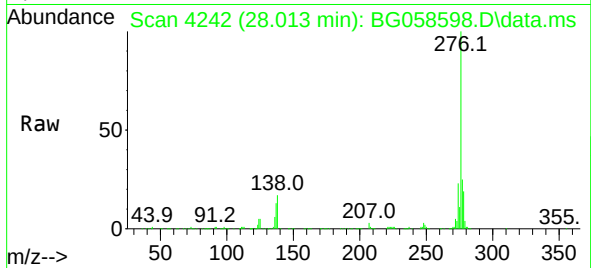
Tgt Ion:264 Resp: 365478  
Ion Ratio Lower Upper  
264 100  
260 22.9 18.4 27.6  
265 21.6 17.9 26.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.369 ng  
RT: 28.013 min Scan# 41  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

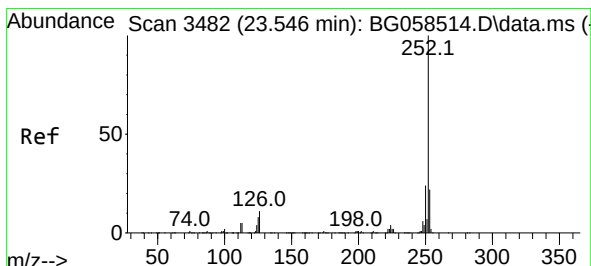
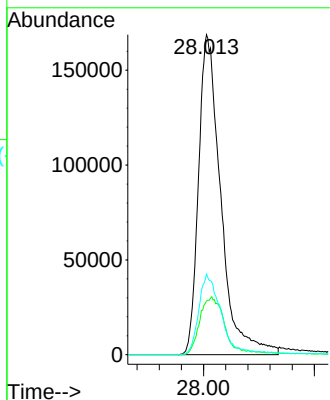
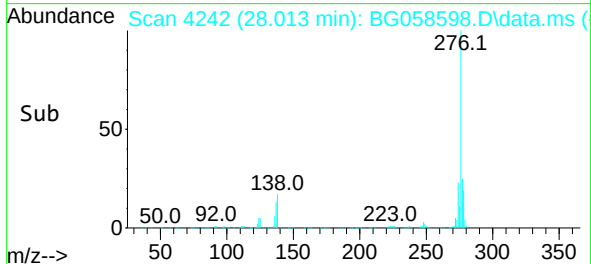
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMSD



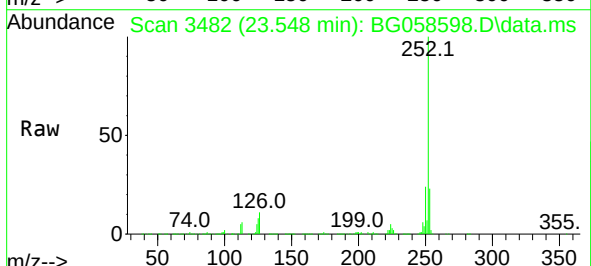
Tgt Ion:276 Resp: 117603  
Ion Ratio Lower Upper  
276 100  
138 0.0 16.0 24.0  
277 25.0 20.4 30.6

Manual Integrations  
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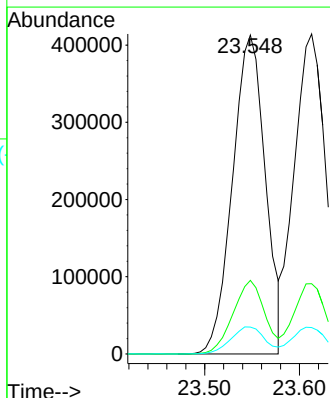
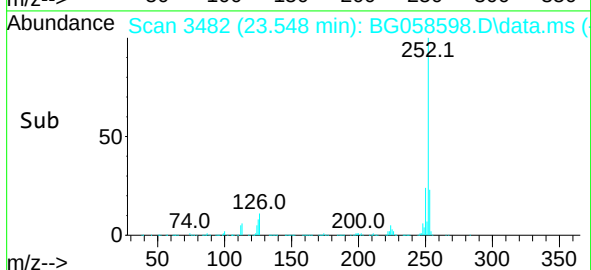
Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

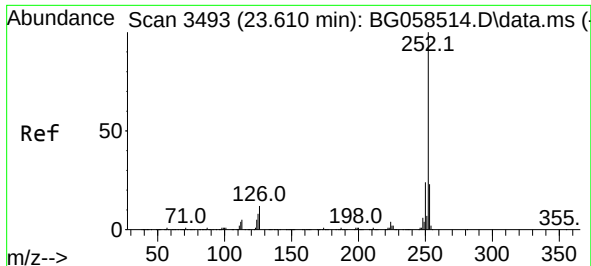


#88  
Benzo(b)fluoranthene  
Concen: 50.138 ng  
RT: 23.548 min Scan# 3482  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24



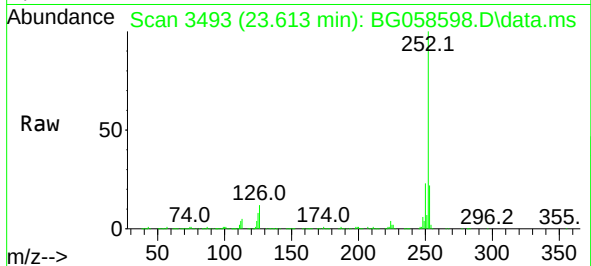
Tgt Ion:252 Resp: 993874  
Ion Ratio Lower Upper  
252 100  
253 23.1 17.8 26.8  
125 8.4 6.6 9.8





#89  
Benzo(k)fluoranthene  
Concen: 48.719 ng  
RT: 23.613 min Scan# 3493  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

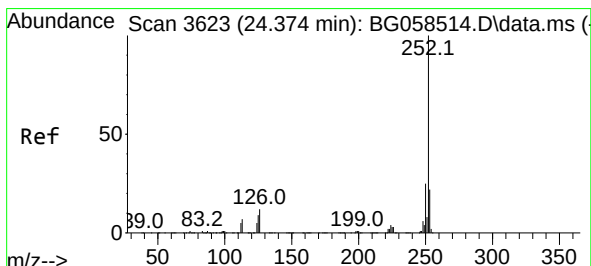
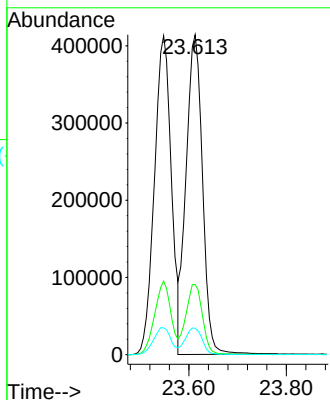
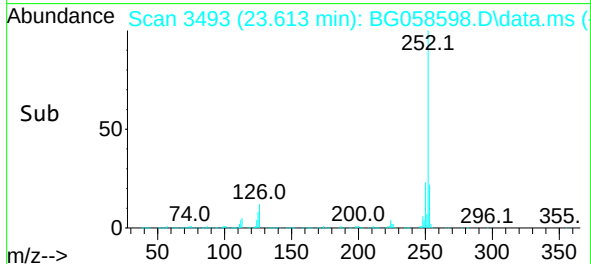
Instrument :  
BNA\_G  
ClientSampleId :  
B-P32BMDS



Tgt Ion:252 Resp: 97018  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.9 26.9  
125 8.2 6.6 10.0

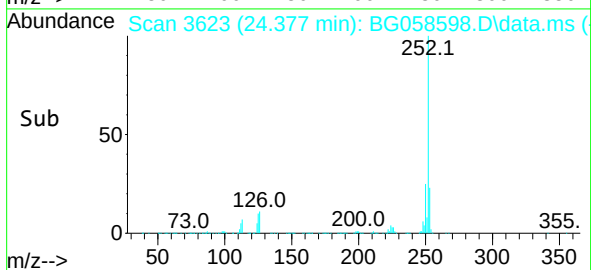
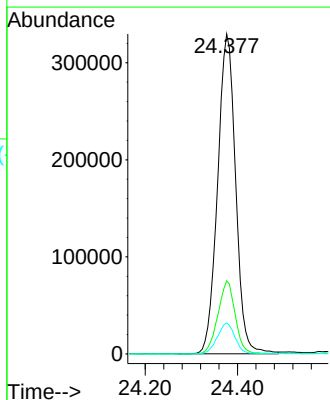
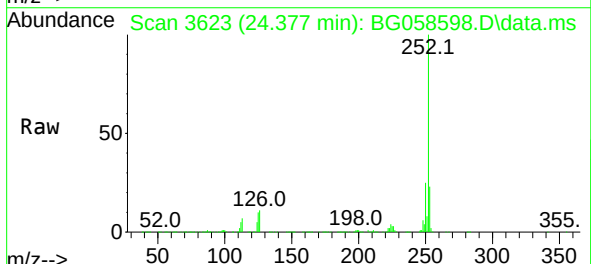
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/04/2023  
Supervised By :mohammad ahmed 08/04/2023

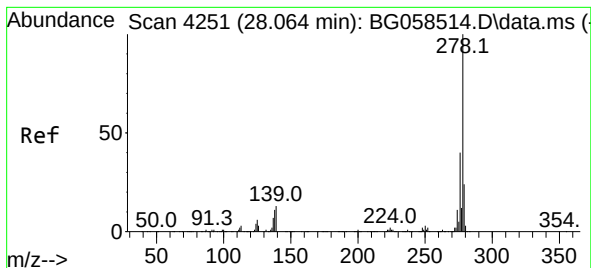


#90  
Benzo(a)pyrene  
Concen: 45.834 ng  
RT: 24.377 min Scan# 3623  
Delta R.T. 0.002 min  
Lab File: BG058598.D  
Acq: 3 Aug 2023 18:24

Tgt Ion:252 Resp: 892256  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.5 26.3  
125 9.7 7.4 11.2







#91

Dibenzo(a,h)anthracene

Concen: 48.431 ng

RT: 28.078 min Scan# 4253

Delta R.T. 0.014 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Instrument :

BNA\_G

ClientSampleId :

B-P32BMSD

Tgt Ion:278 Resp: 973672

Ion Ratio Lower Upper

278 100

139 12.2 10.4 15.6

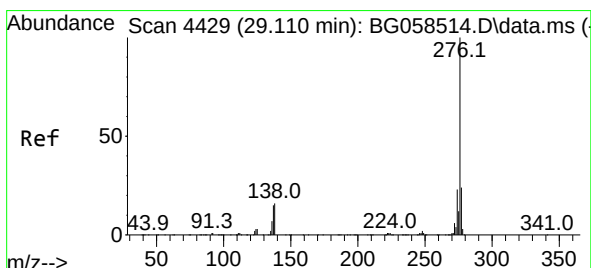
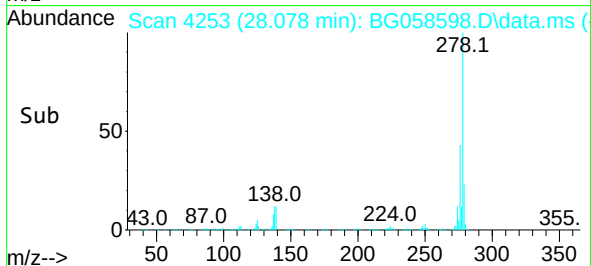
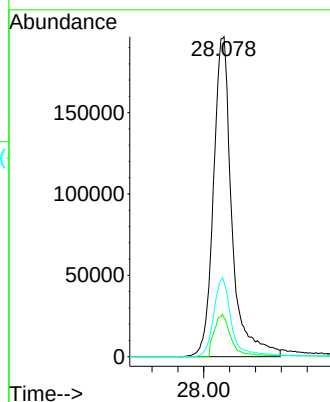
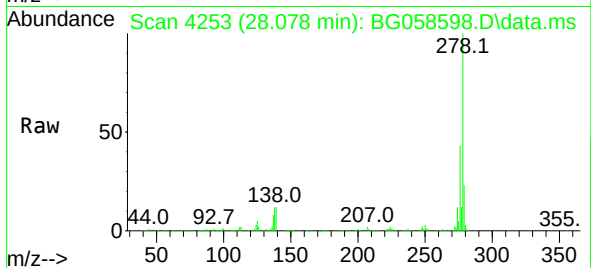
279 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/04/2023

Supervised By :mohammad ahmed 08/04/2023



#92

Benzo(g,h,i)perylene

Concen: 45.070 ng

RT: 29.112 min Scan# 4429

Delta R.T. 0.002 min

Lab File: BG058598.D

Acq: 3 Aug 2023 18:24

Tgt Ion:276 Resp: 908600

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 17.0 13.0 19.4

