

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070524\  
 Data File : BF138466.D  
 Acq On : 05 Jul 2024 13:53  
 Operator : CG\JU  
 Sample : PB161920BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161920BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024

Quant Time: Jul 05 14:13:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 127957   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 520928   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 288551   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 496530   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 211767   | 20.000  | ng    | # 0.01   |
| 86) Perylene-d12              | 15.504 | 264  | 247080   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1015035  | 131.519 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.522  | 99   | 1350280  | 129.877 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 892682   | 89.020  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 323580   | 137.256 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1491107  | 82.240  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 1298249  | 84.014  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.728  | 88   | 123705   | 34.029  | ng    | 97       |
| 3) Pyridine                   | 3.475  | 79   | 307142   | 35.415  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 263273   | 48.659  | ng    | 93       |
| 6) Aniline                    | 6.539  | 93   | 293889   | 28.967  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 406070   | 49.011  | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 152366   | 23.744  | ng    | 98       |
| 10) Phenol                    | 6.534  | 94   | 517335   | 46.706  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 384662   | 44.217  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 402291   | 42.400  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 404842   | 42.554  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 390622   | 44.476  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 383403   | 51.487  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 776537   | 44.254  | ng    | 97       |
| 17) 2-Methylphenol            | 7.134  | 107  | 318697   | 46.413  | ng    | 94       |
| 18) Hexachloroethane          | 7.386  | 117  | 150407   | 43.831  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 297309   | 45.362  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 391499   | 49.070  | ng    | 99       |
| 22) Acetophenone              | 7.286  | 105  | 537635   | 45.493  | ng    | # 98     |
| 24) Nitrobenzene              | 7.463  | 77   | 465690   | 45.658  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 829347   | 44.853  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 215484   | 48.981  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 284063   | 50.451  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 482838   | 43.383  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 337038   | 46.606  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 358190   | 42.599  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 1149527  | 43.651  | ng    | 100      |
| 32) Benzoic acid              | 7.957  | 122  | 253542   | 49.158  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 195535   | 21.260  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 210883   | 41.773  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 114522m  | 50.150  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 377427   | 48.998  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 743783   | 43.701  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 687906   | 41.676  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 346458   | 43.408  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 273937   | 116.602 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 231115   | 45.507  | ng    | 99       |

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Manual Integrations  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 29 02:44:30 2024  
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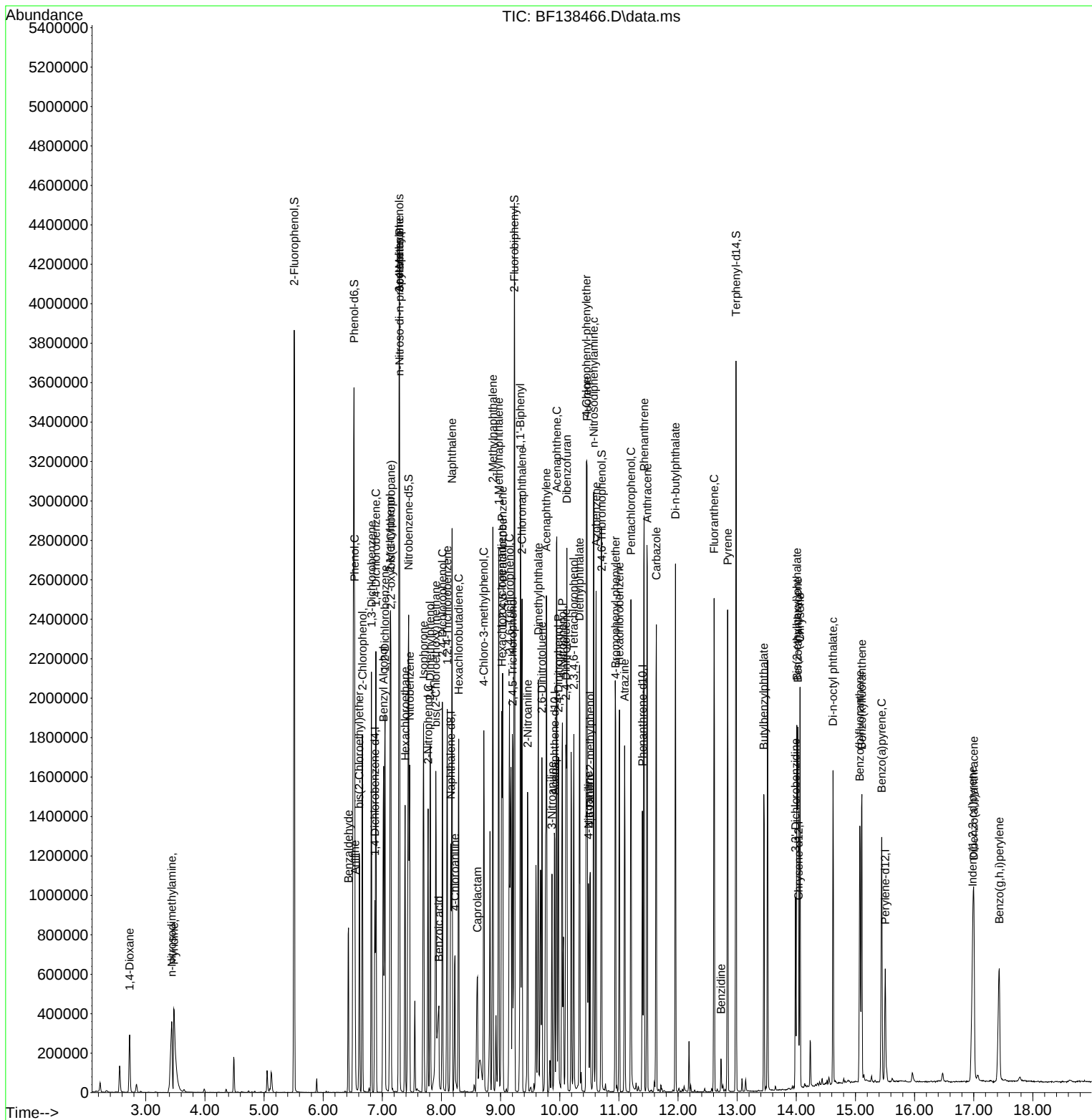
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 246429   | 44.616  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 940986   | 43.675  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 704504   | 42.887  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 269617   | 50.882  | ng    | 92       |
| 49) Acenaphthylene            | 9.775  | 152  | 1097585  | 47.509  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 841155   | 45.358  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 192323   | 46.306  | ng    | 94       |
| 52) Acenaphthene              | 9.951  | 154  | 784042m  | 49.563  | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 138955   | 33.875  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 198236   | 109.177 | ng    | 92       |
| 55) Dibenzofuran              | 10.122 | 168  | 981708   | 45.041  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 280757   | 105.561 | ng    | 87       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 252855   | 49.445  | ng    | 97       |
| 58) Fluorene                  | 10.463 | 166  | 752411   | 43.445  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 202660   | 49.399  | ng    | 99       |
| 60) Diethylphthalate          | 10.333 | 149  | 801312   | 46.216  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 371677   | 42.298  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 182897   | 48.577  | ng    | 94       |
| 63) Azobenzene                | 10.616 | 77   | 859076   | 46.916  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 137613   | 51.307  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 661692   | 42.926  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 225412   | 42.235  | ng    | 93       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 244499   | 41.564  | ng    | 95       |
| 69) Atrazine                  | 11.098 | 200  | 202480   | 46.849  | ng    | 97       |
| 70) Pentachlorophenol         | 11.204 | 266  | 277117   | 92.816  | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 1117249  | 46.086  | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 1126016  | 46.575  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 927803   | 46.225  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1157390  | 45.501  | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 1001610  | 46.085  | ng    | 99       |
| 77) Benzidine                 | 12.727 | 184  | 61431    | 36.277  | ng    | 98       |
| 78) Pyrene                    | 12.839 | 202  | 986950   | 43.606  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 317696   | 46.128  | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 651663   | 47.810  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 169292   | 42.068  | ng    | 98       |
| 83) Chrysene                  | 14.062 | 228  | 619294   | 46.693  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 363777   | 42.118  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 651753   | 43.111  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 649516   | 52.318  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 674188   | 49.732  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 605858   | 48.521  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 610895   | 51.412  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 521895   | 52.080  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 485625   | 49.537  | ng    | 98       |

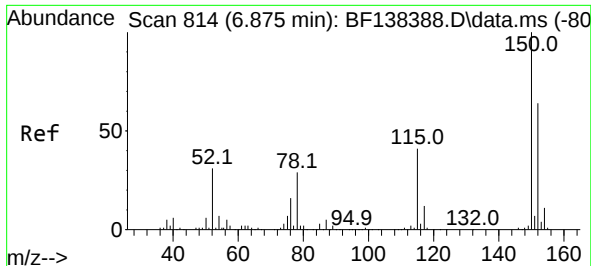
(#) = qualifier out of range (m) = manual integration (+) = signals summed

## Manual Integrations APPROVED

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

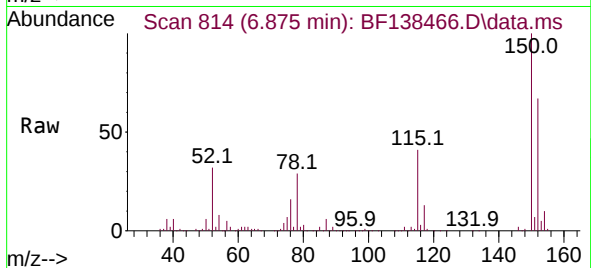
Quant Time: Jul 05 14:13:57 2024  
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QLast Update : Sat Jun 29 02:44:30 2024  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

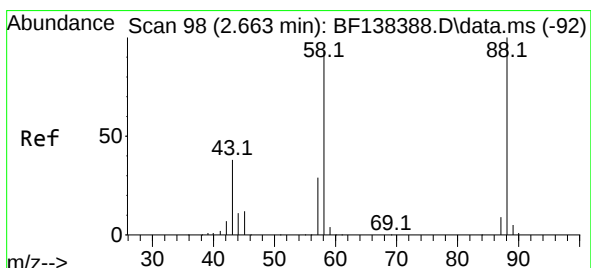
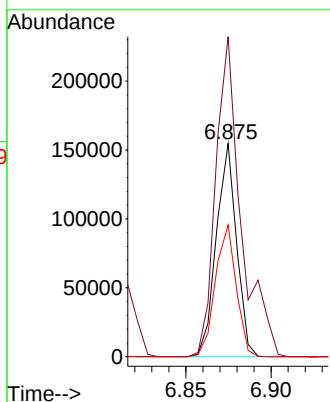
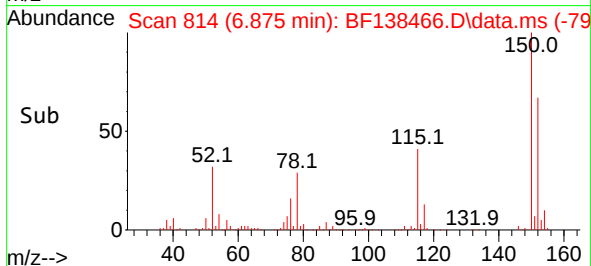
Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS



Tgt Ion:152 Resp: 12795  
Ion Ratio Lower Upper  
152 100  
150 150.1 124.9 187.3  
115 61.8 50.8 76.2

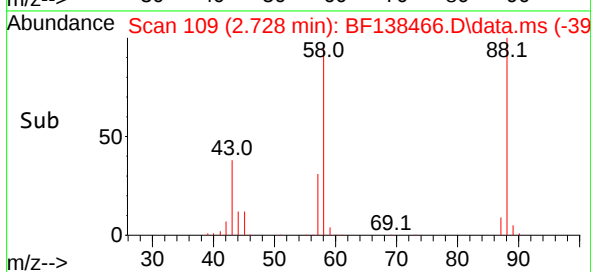
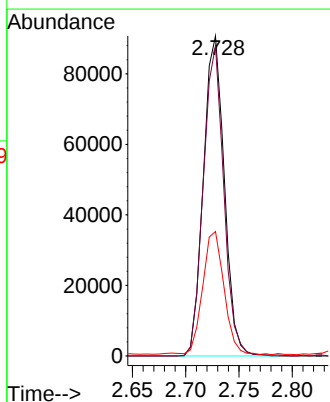
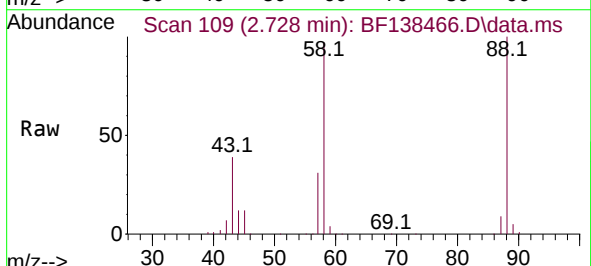
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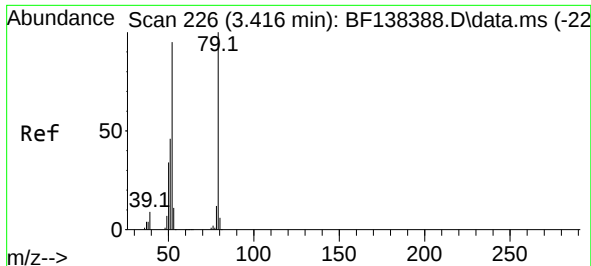
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#2  
1,4-Dioxane  
Concen: 34.029 ng  
RT: 2.728 min Scan# 109  
Delta R.T. 0.065 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

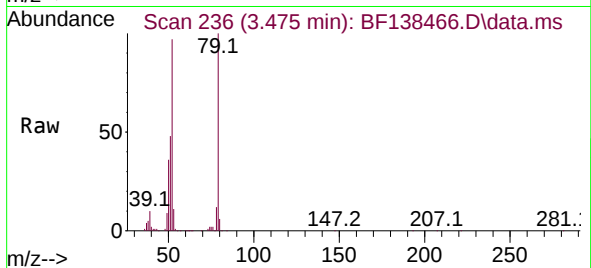
Tgt Ion: 88 Resp: 123705  
Ion Ratio Lower Upper  
88 100  
58 95.0 73.7 110.5  
43 39.7 30.1 45.1





#3  
Pyridine  
Concen: 35.415 ng  
RT: 3.475 min Scan# 21  
Delta R.T. 0.059 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

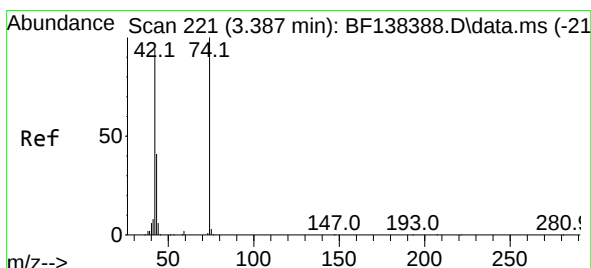
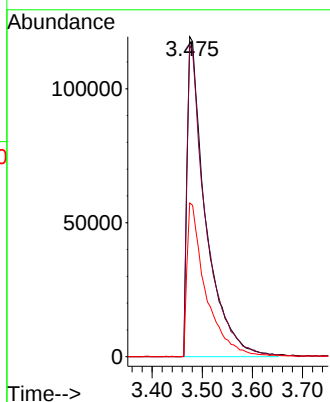
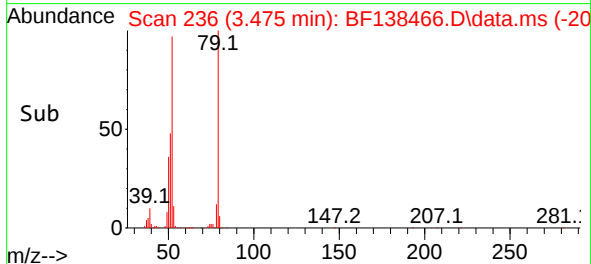
Instrument :  
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ClientSampleId :  
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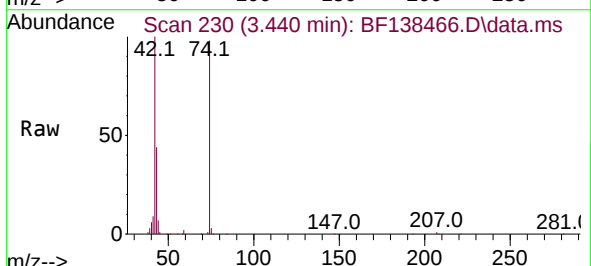
Tgt Ion: 79 Resp: 30714  
Ion Ratio Lower Upper  
79 100  
52 97.2 76.2 114.2  
51 48.0 36.7 55.1

Manual Integrations  
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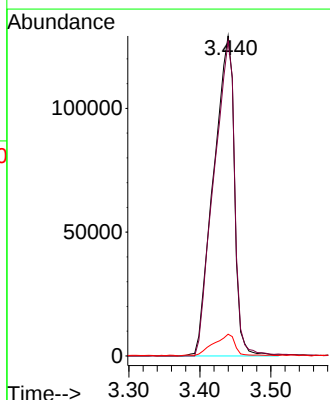
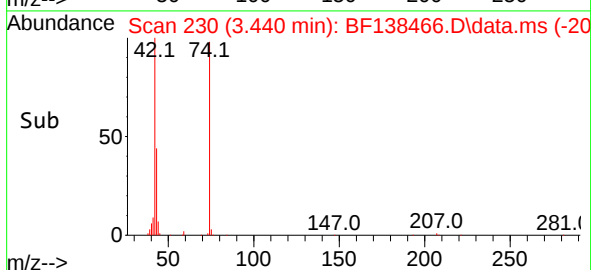
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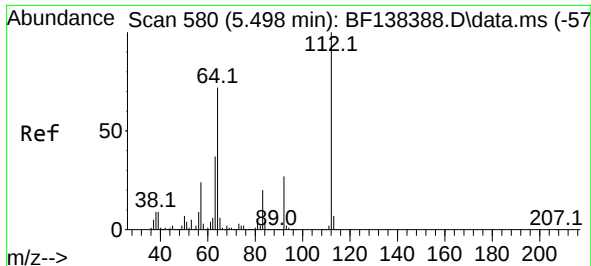


#4  
n-Nitrosodimethylamine  
Concen: 48.659 ng  
RT: 3.440 min Scan# 230  
Delta R.T. 0.053 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion: 42 Resp: 263273  
Ion Ratio Lower Upper  
42 100  
74 98.4 85.1 127.7  
44 6.8 5.5 8.3





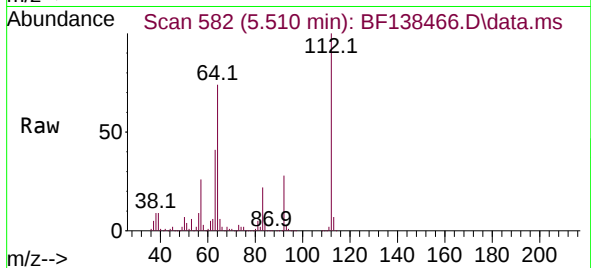
#5  
2-Fluorophenol  
Concen: 131.519 ng  
RT: 5.510 min Scan# 582  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



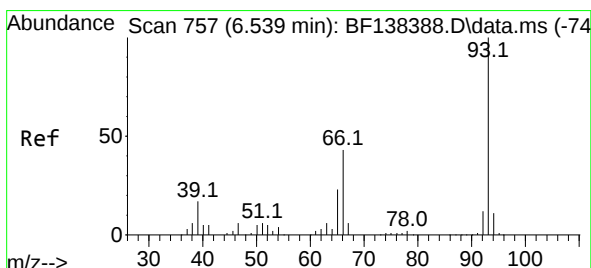
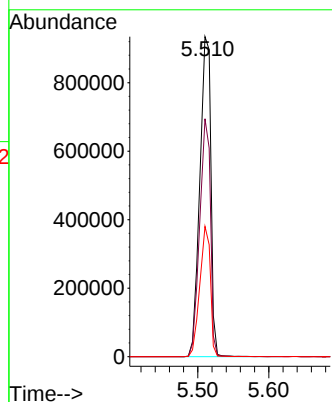
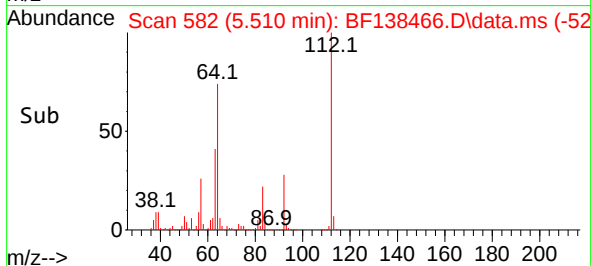
Tgt Ion:112 Resp: 101503  
Ion Ratio Lower Upper  
112 100  
64 74.3 57.2 85.8  
63 40.7 29.4 44.0

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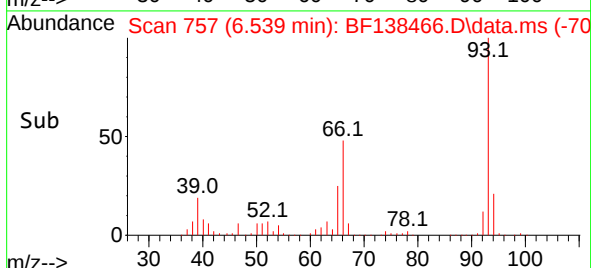
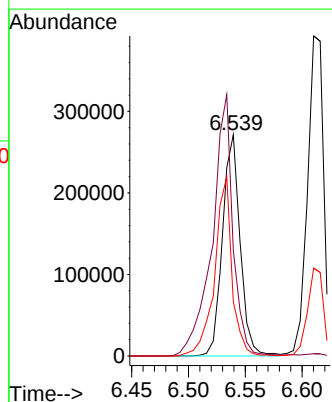
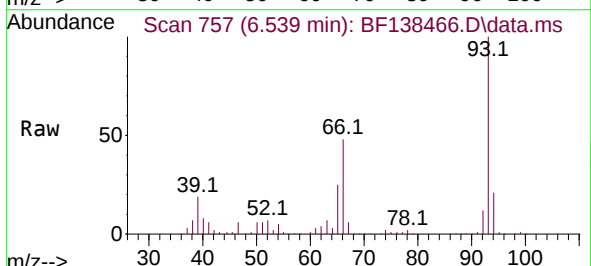
Reviewed By :Yogesh Patel 07/08/2024

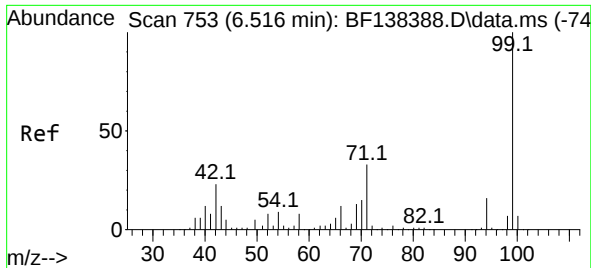
Supervised By :mohammad ahmed 07/08/2024



#6  
Aniline  
Concen: 28.967 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

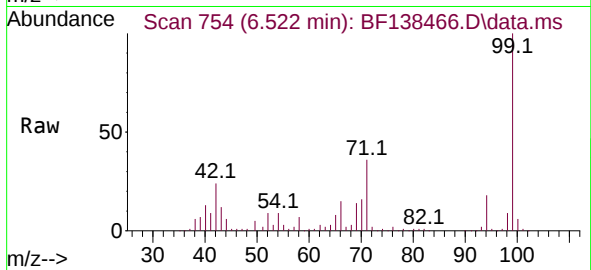
Tgt Ion: 93 Resp: 293889  
Ion Ratio Lower Upper  
93 100  
66 47.7 34.7 52.1  
65 24.6 18.5 27.7





#7  
Phenol-d6  
Concen: 129.877 ng  
RT: 6.522 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

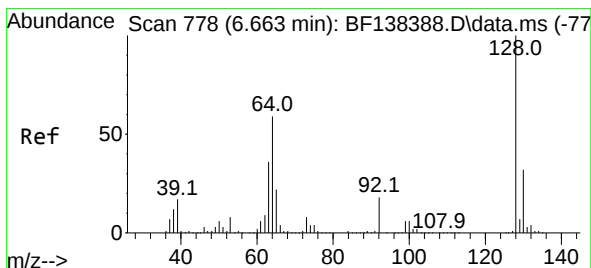
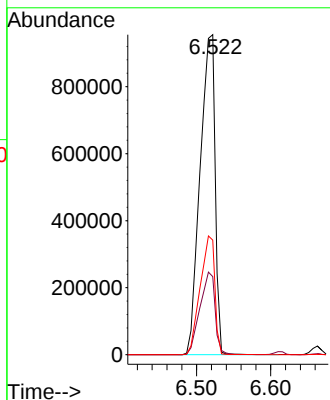
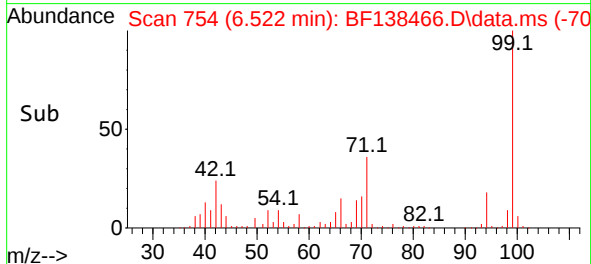
Instrument :  
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PB161920BS



Tgt Ion: 99 Resp: 1350280  
Ion Ratio Lower Upper  
99 100  
42 24.4 18.5 27.7  
71 35.8 26.1 39.1

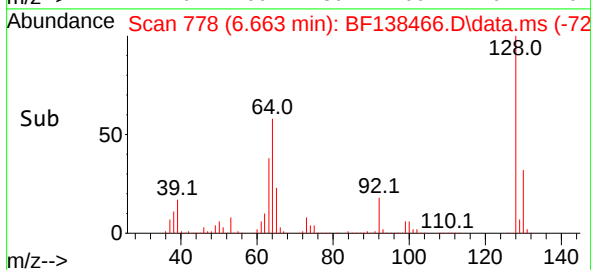
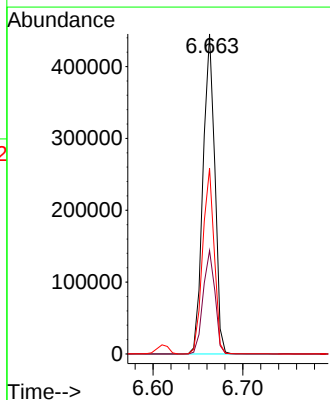
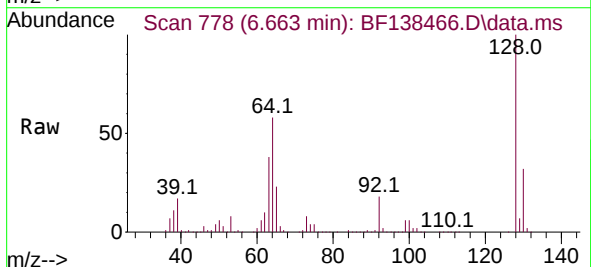
Manual Integrations  
APPROVED

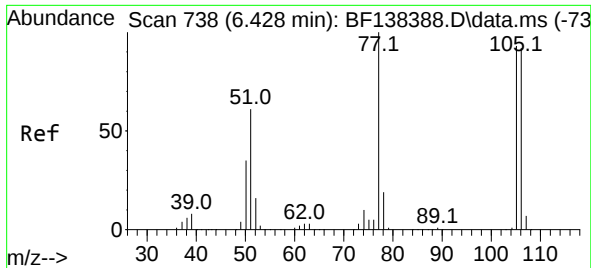
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#8  
2-Chlorophenol  
Concen: 49.011 ng  
RT: 6.663 min Scan# 778  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:128 Resp: 406070  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.3 52.3  
64 58.0 39.6 79.6





#9  
Benzaldehyde  
Concen: 23.744 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

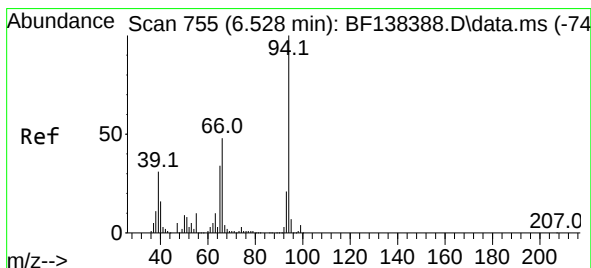
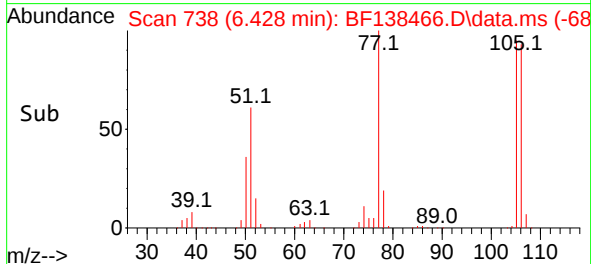
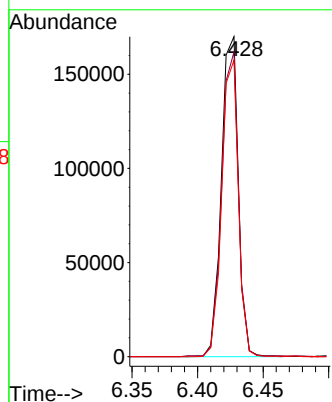
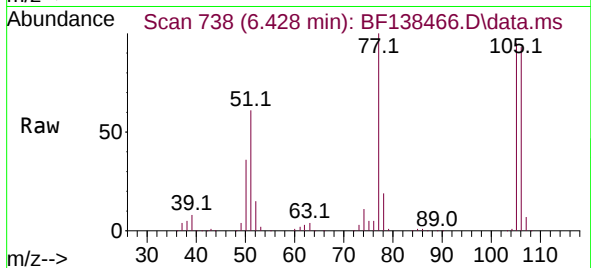
ClientSampleId :

PB161920BS

Tgt Ion: 77 Resp: 152360  
Ion Ratio Lower Upper  
77 100  
105 95.2 73.2 113.2  
106 92.7 71.5 111.5

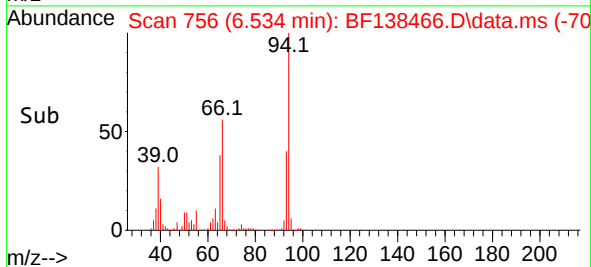
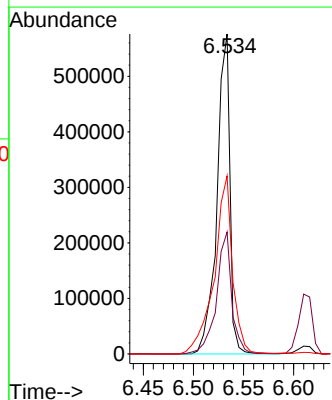
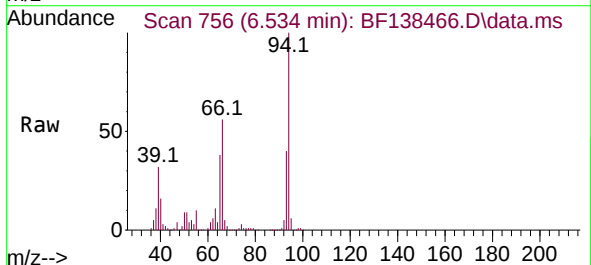
Manual Integrations  
APPROVED

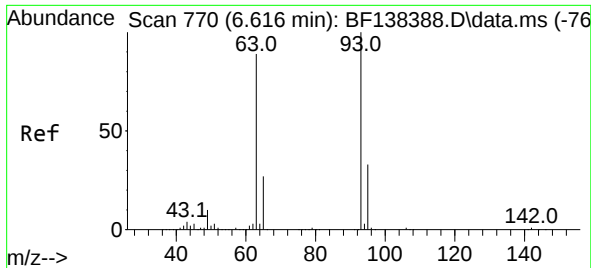
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#10  
Phenol  
Concen: 46.706 ng  
RT: 6.534 min Scan# 756  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion: 94 Resp: 517335  
Ion Ratio Lower Upper  
94 100  
65 38.1 14.2 54.2  
66 55.7 27.9 67.9





#11  
bis(2-Chloroethyl)ether  
Concen: 44.217 ng  
RT: 6.610 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

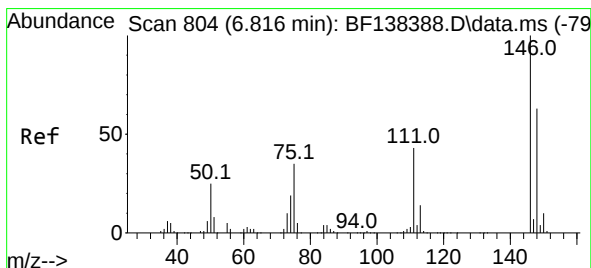
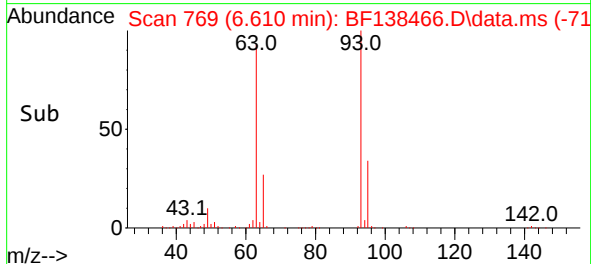
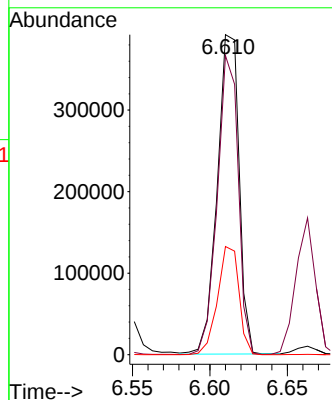
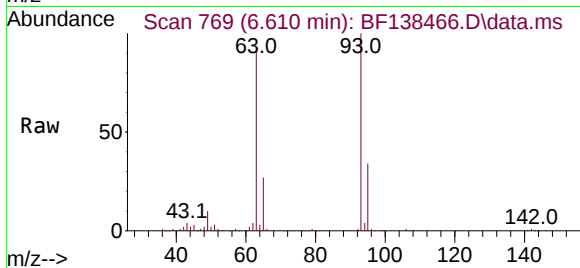
ClientSampleId :

PB161920BS

Tgt Ion: 93 Resp: 384662  
Ion Ratio Lower Upper  
93 100  
63 93.4 68.2 108.2  
95 33.8 12.4 52.4

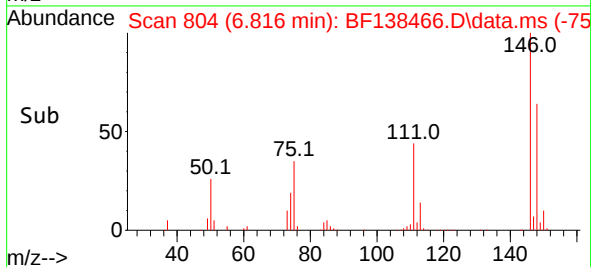
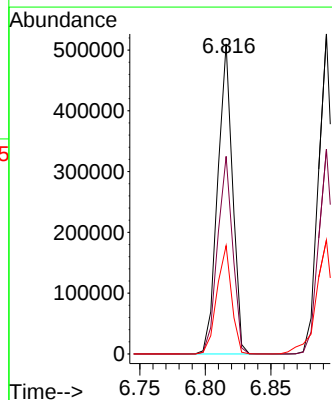
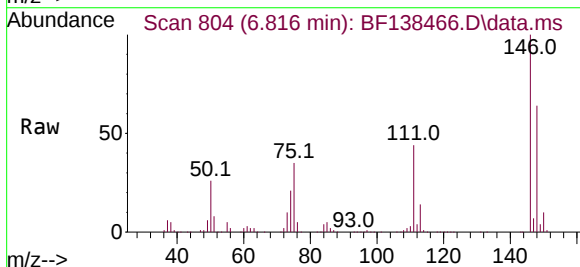
Manual Integrations  
APPROVED

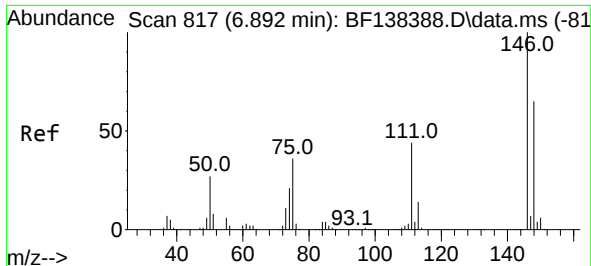
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#12  
1,3-Dichlorobenzene  
Concen: 42.400 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

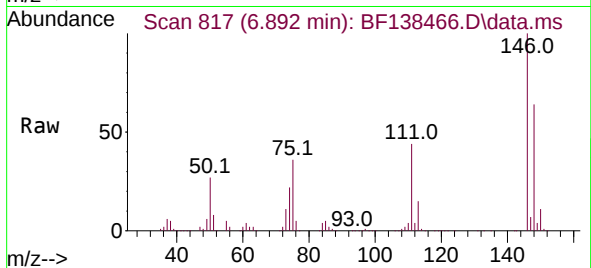
Tgt Ion:146 Resp: 402291  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.3 75.5  
75 35.0 27.8 41.6





#13  
1,4-Dichlorobenzene  
Concen: 42.554 ng  
RT: 6.892 min Scan# 817  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

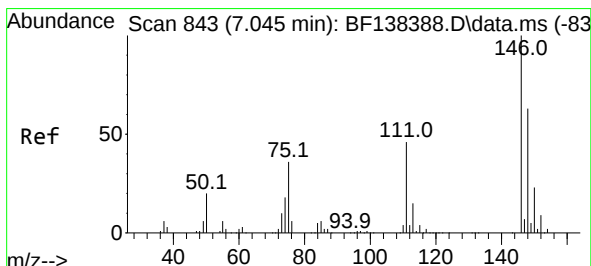
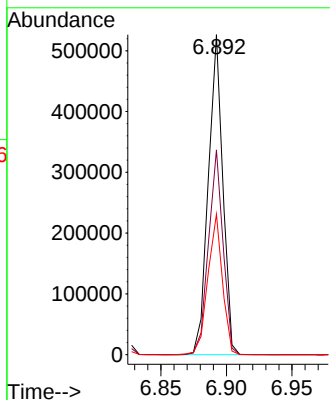
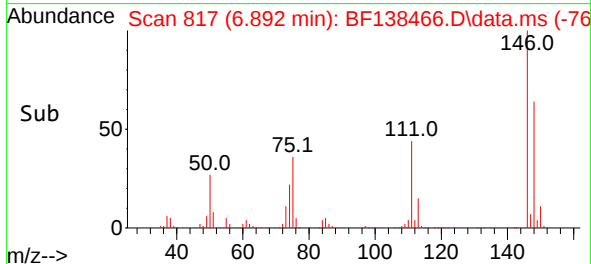
Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS



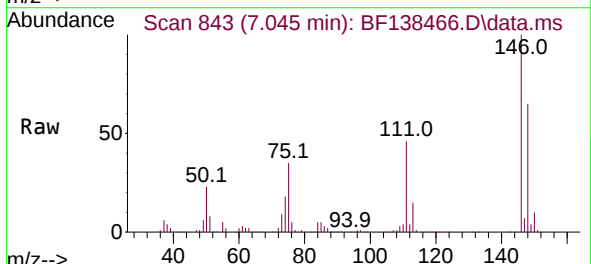
Tgt Ion:146 Resp: 40484  
Ion Ratio Lower Upper  
146 100  
148 64.0 52.0 78.0  
111 43.9 35.4 53.0

Manual Integrations  
APPROVED

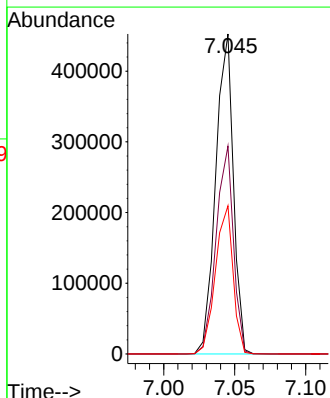
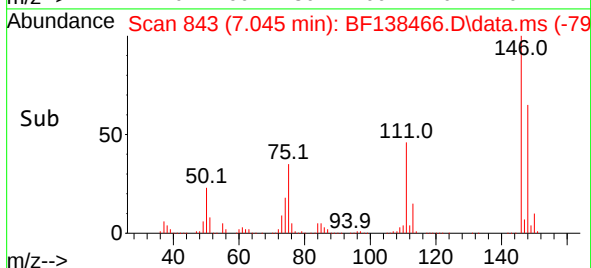
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

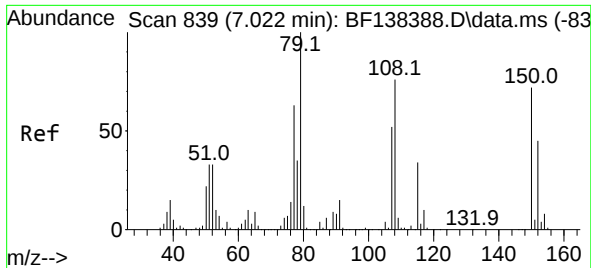


#14  
1,2-Dichlorobenzene  
Concen: 44.476 ng  
RT: 7.045 min Scan# 843  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:146 Resp: 390622  
Ion Ratio Lower Upper  
146 100  
148 64.9 50.3 75.5  
111 46.3 37.1 55.7





#15  
Benzyl Alcohol  
Concen: 51.487 ng  
RT: 7.022 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

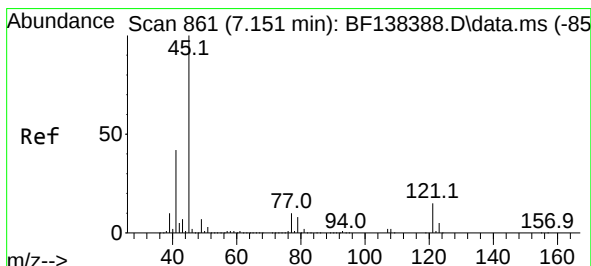
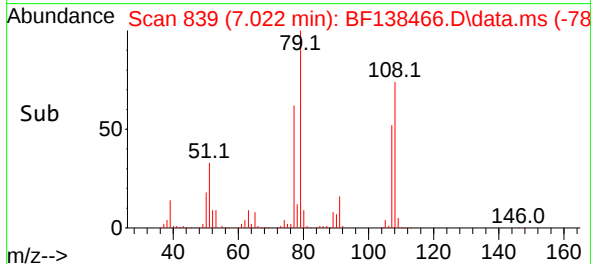
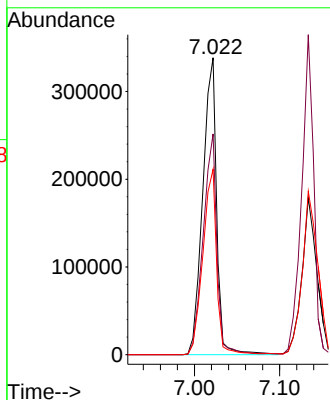
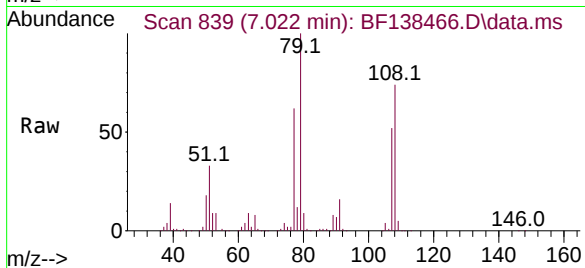
ClientSampleId :

PB161920BS

Tgt Ion: 79 Resp: 38340  
Ion Ratio Lower Upper  
79 100  
108 74.3 60.9 91.3  
77 62.4 50.6 75.8

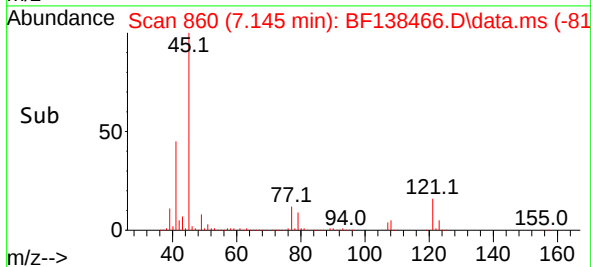
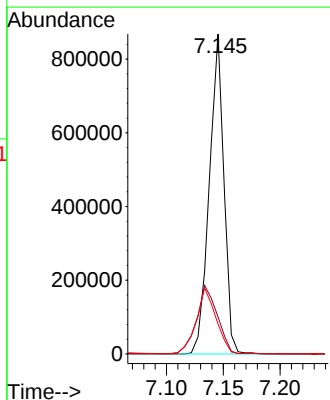
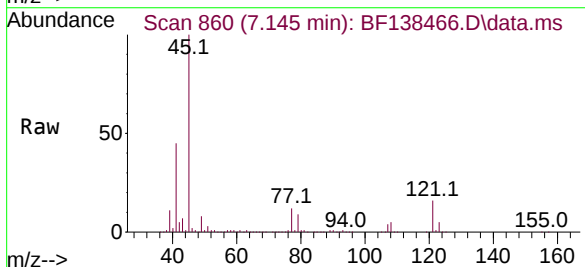
Manual Integrations  
APPROVED

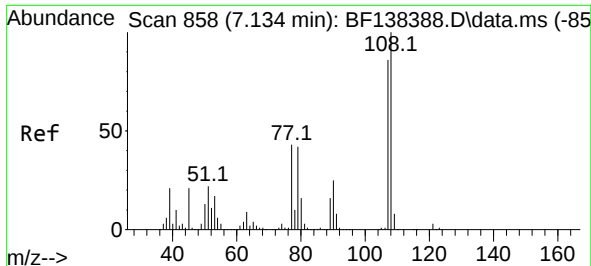
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.254 ng  
RT: 7.145 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion: 45 Resp: 776537  
Ion Ratio Lower Upper  
45 100  
77 11.6 0.0 30.4  
79 9.3 0.0 28.1





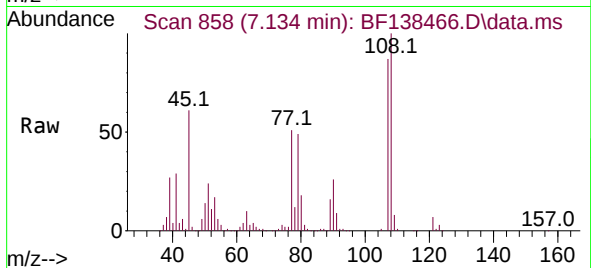
#17  
2-Methylphenol  
Concen: 46.413 ng  
RT: 7.134 min Scan# 858  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



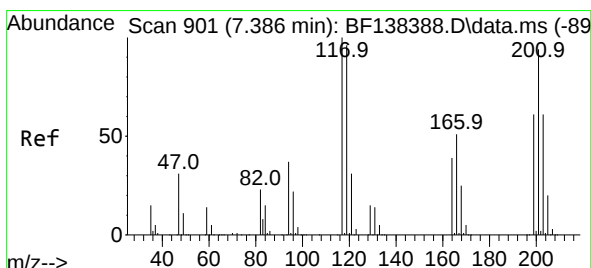
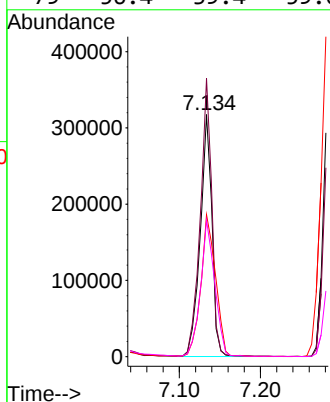
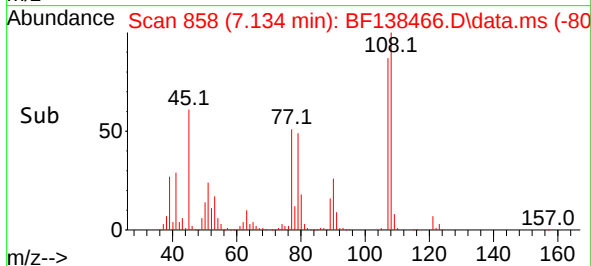
Tgt Ion:107 Resp: 31869  
Ion Ratio Lower Upper  
107 100  
108 114.9 92.6 138.8  
77 58.7 40.3 60.5  
79 56.4 39.4 59.0

Manual Integrations

APPROVED

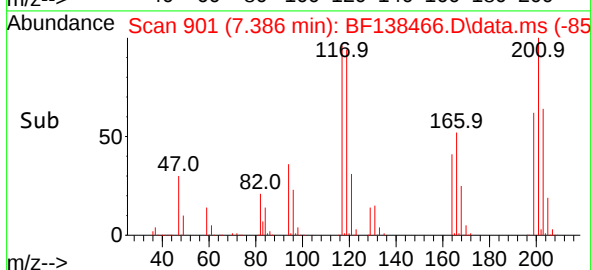
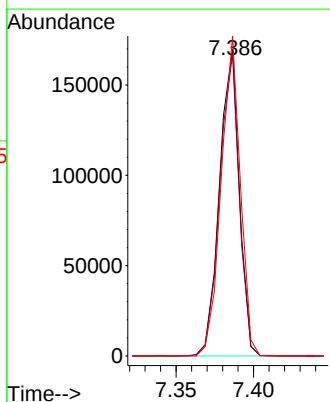
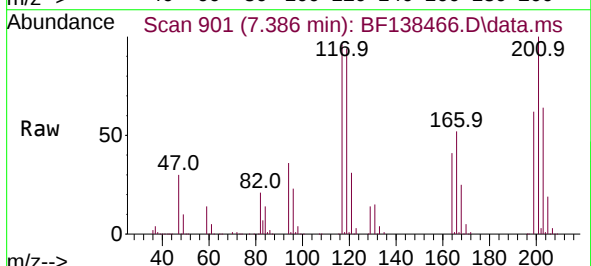
Reviewed By :Yogesh Patel 07/08/2024

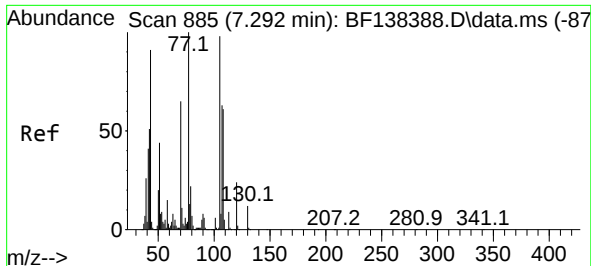
Supervised By :mohammad ahmed 07/08/2024



#18  
Hexachloroethane  
Concen: 43.831 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:117 Resp: 150407  
Ion Ratio Lower Upper  
117 100  
119 98.6 77.1 115.7  
201 104.3 75.6 113.4





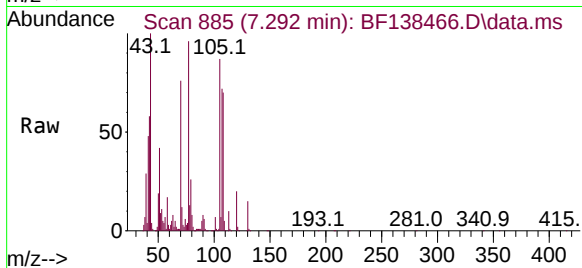
#19  
n-Nitroso-di-n-propylamine  
Concen: 45.362 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

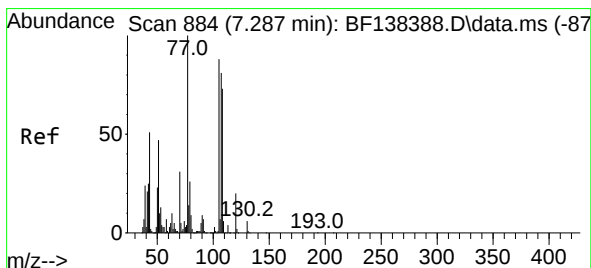
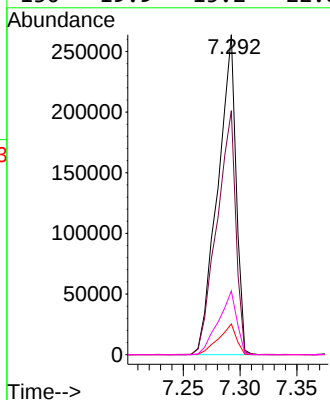
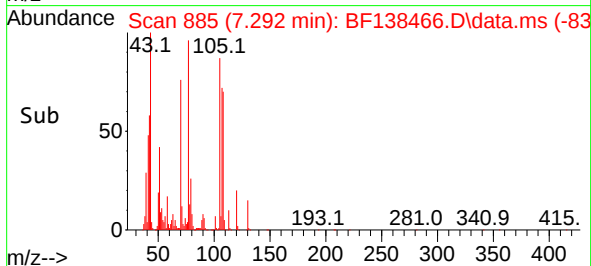
PB161920BS



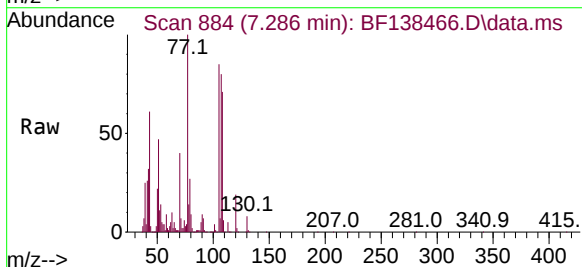
Tgt Ion: 70 Resp: 297309  
Ion Ratio Lower Upper  
70 100  
42 76.3 62.5 93.7  
101 9.6 7.0 10.4  
130 19.9 15.2 22.8

Manual Integrations  
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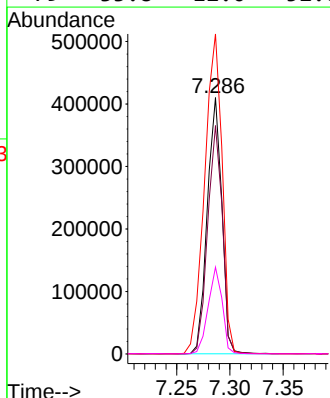
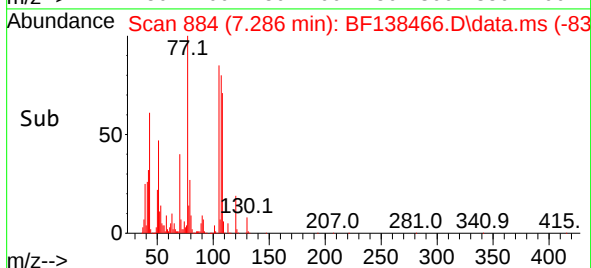
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

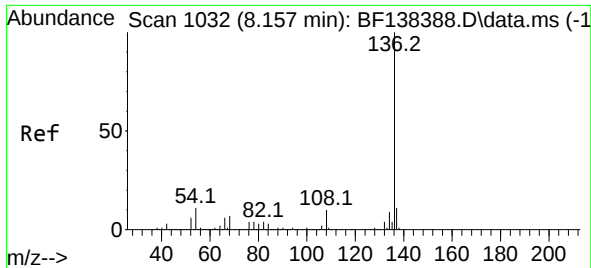


#20  
3+4-Methylphenols  
Concen: 49.070 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.001 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:107 Resp: 391499  
Ion Ratio Lower Upper  
107 100  
108 89.1 70.8 110.8  
77 124.9 104.0 144.0  
79 33.8 12.0 52.0





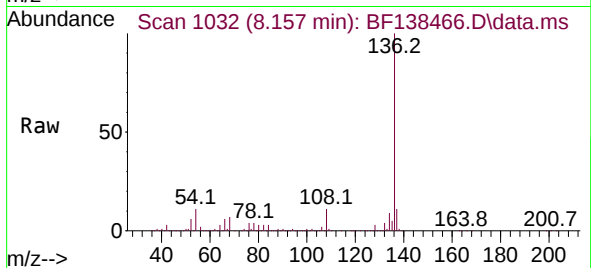
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



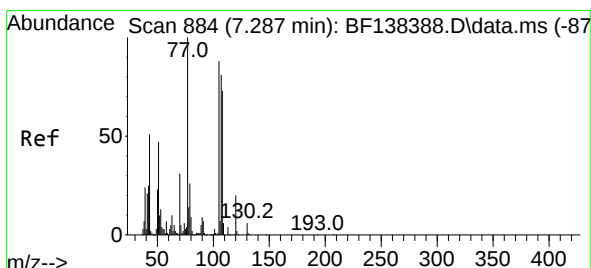
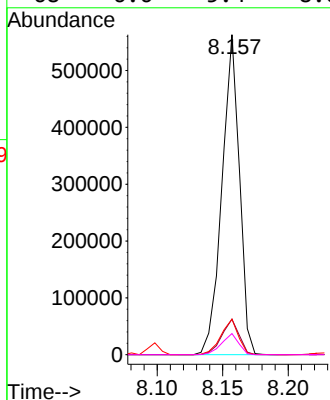
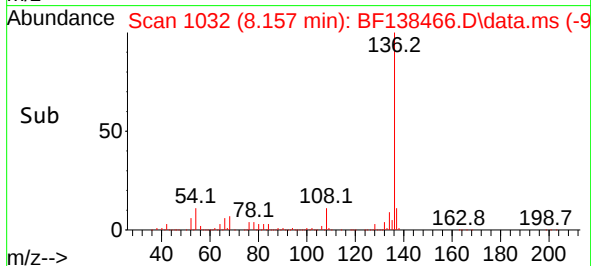
Tgt Ion:136 Resp: 520928  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 11.1 9.0 13.4  
68 6.6 5.4 8.0

Manual Integrations

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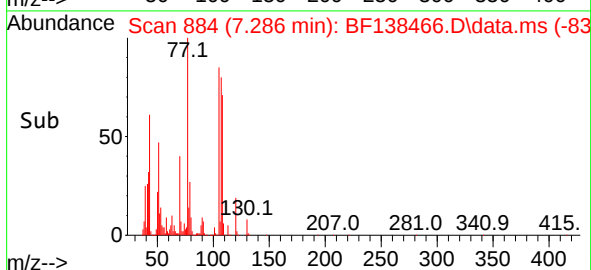
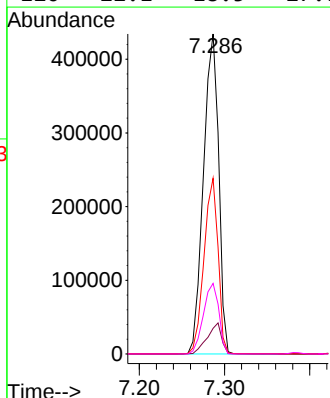
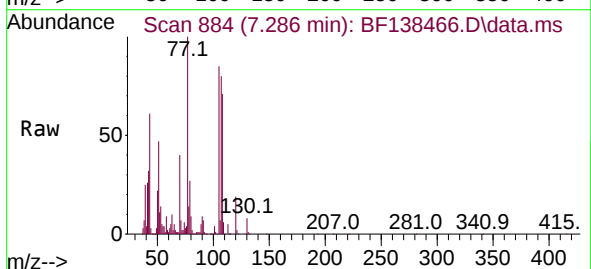
Reviewed By :Yogesh Patel 07/08/2024

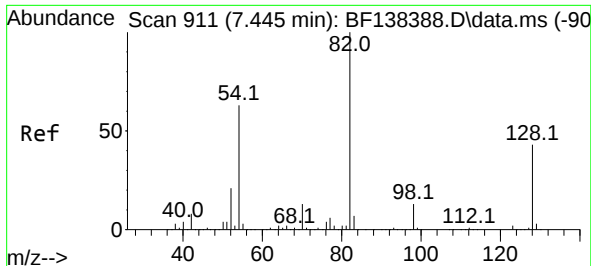
Supervised By :mohammad ahmed 07/08/2024



#22  
Acetophenone  
Concen: 45.493 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:105 Resp: 537635  
Ion Ratio Lower Upper  
105 100  
71 8.0 4.7 7.1#  
51 54.9 43.2 64.8  
120 22.1 18.5 27.7





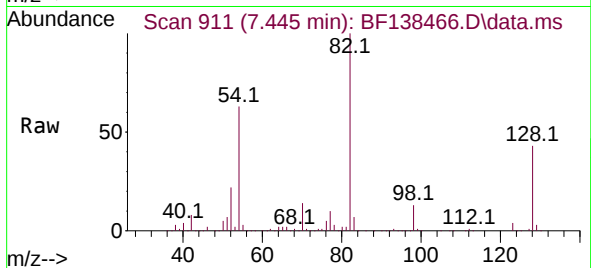
#23  
Nitrobenzene-d5  
Concen: 89.020 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

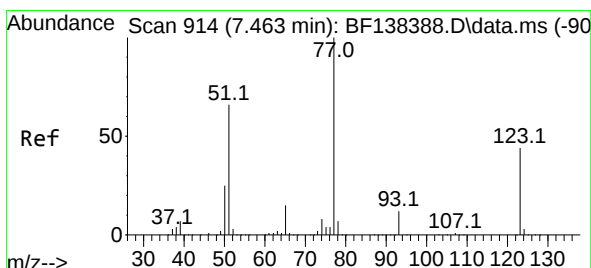
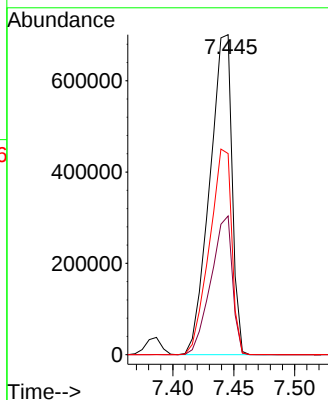
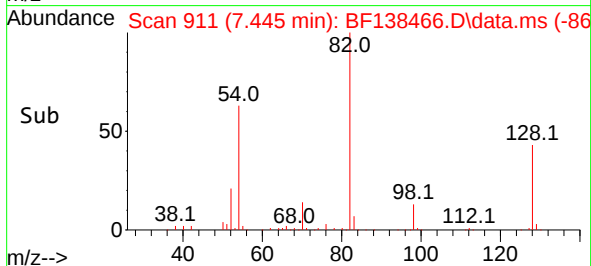
PB161920BS



Tgt Ion: 82 Resp: 892682  
Ion Ratio Lower Upper  
82 100  
128 43.3 34.6 52.0  
54 62.9 50.5 75.7

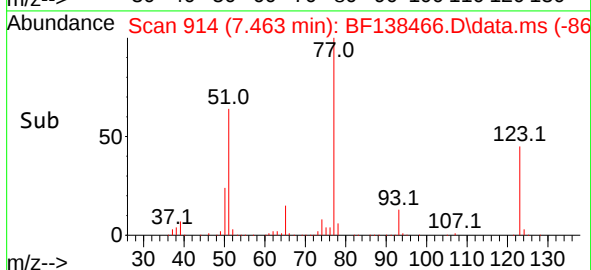
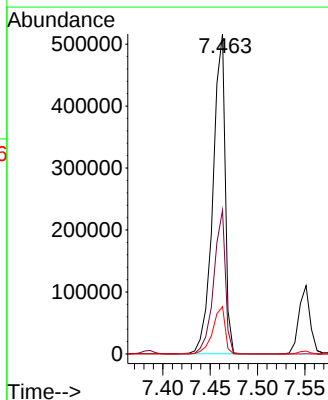
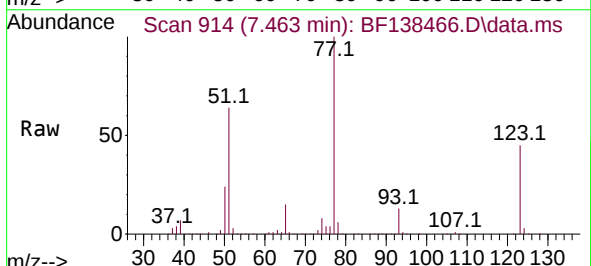
Manual Integrations  
APPROVED

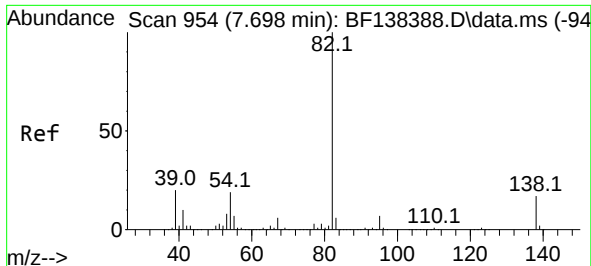
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#24  
Nitrobenzene  
Concen: 45.658 ng  
RT: 7.463 min Scan# 914  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

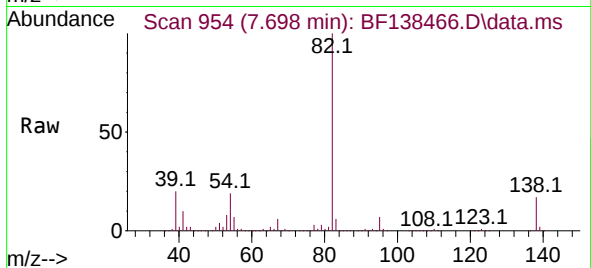
Tgt Ion: 77 Resp: 465690  
Ion Ratio Lower Upper  
77 100  
123 44.9 35.0 52.6  
65 14.8 12.1 18.1





#25  
Isophorone  
Concen: 44.853 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

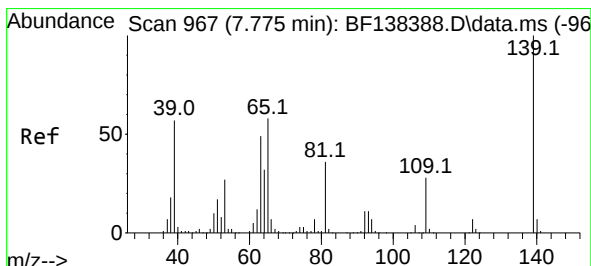
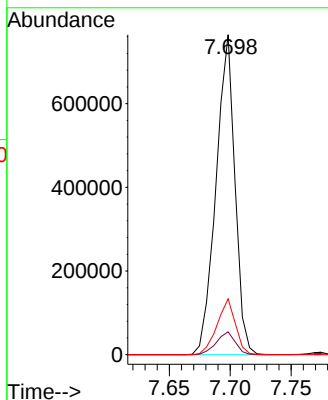
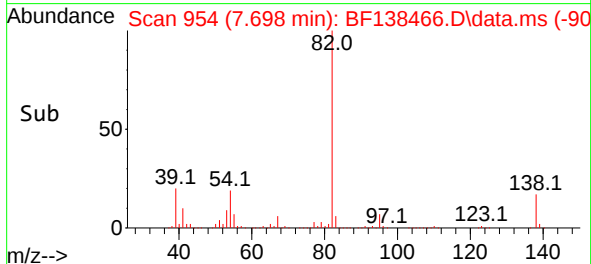
Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS



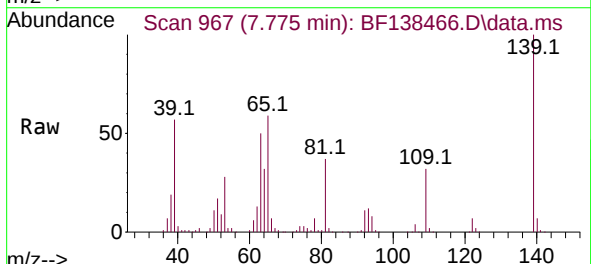
Tgt Ion: 82 Resp: 82934  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.7 8.5  
138 17.5 13.4 20.2

Manual Integrations  
APPROVED

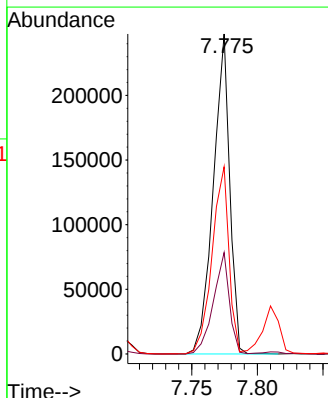
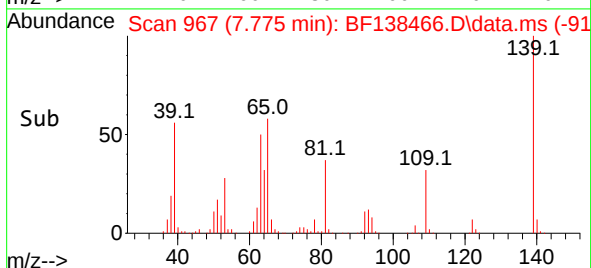
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

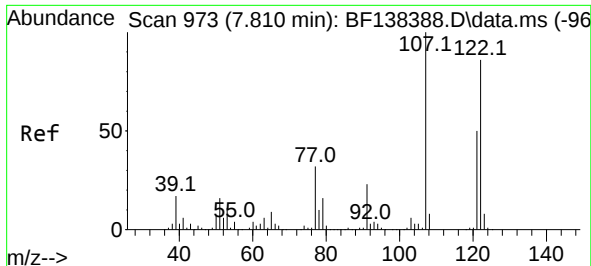


#26  
2-Nitrophenol  
Concen: 48.981 ng  
RT: 7.775 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:139 Resp: 215484  
Ion Ratio Lower Upper  
139 100  
109 31.7 22.5 33.7  
65 58.5 46.2 69.2





#27  
2,4-Dimethylphenol  
Concen: 50.451 ng  
RT: 7.810 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

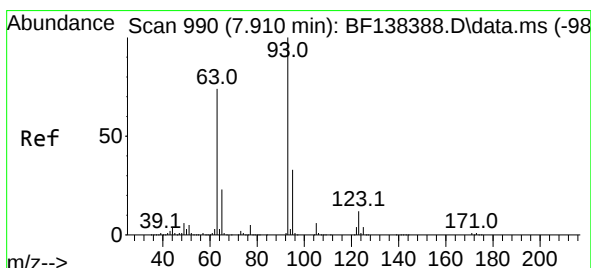
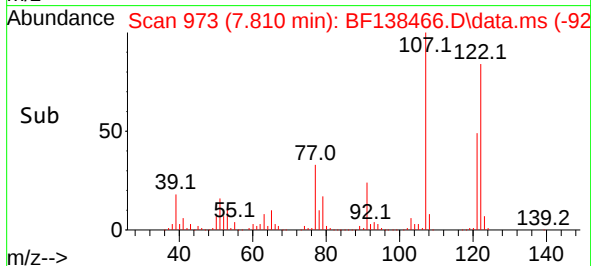
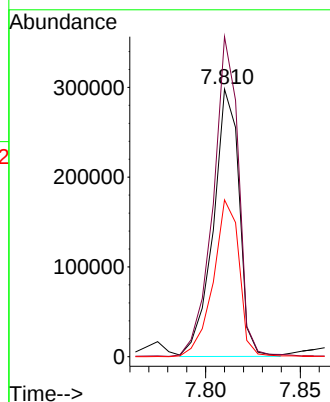
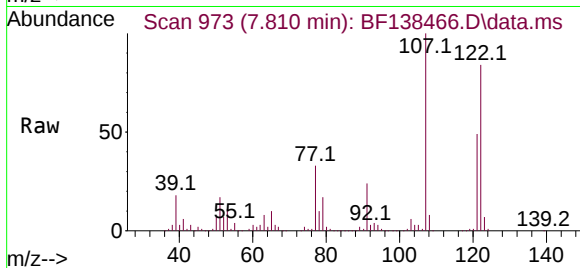
ClientSampleId :

PB161920BS

Tgt Ion:122 Resp: 28406  
Ion Ratio Lower Upper  
122 100  
107 119.6 92.5 138.7  
121 58.6 46.5 69.7

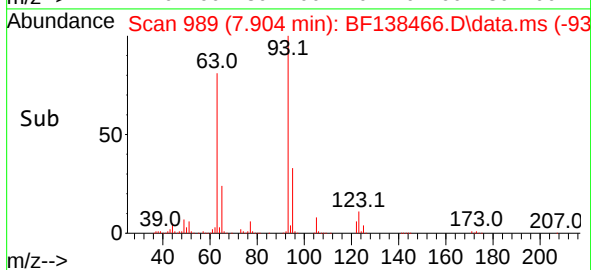
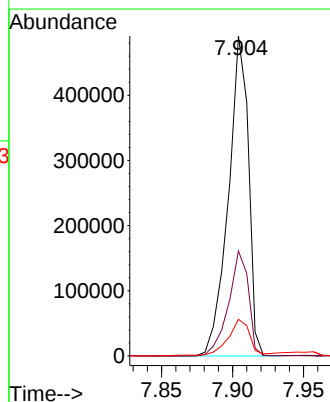
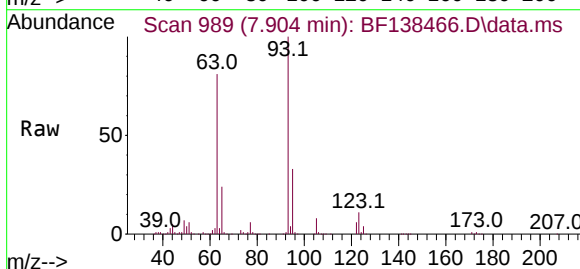
Manual Integrations  
APPROVED

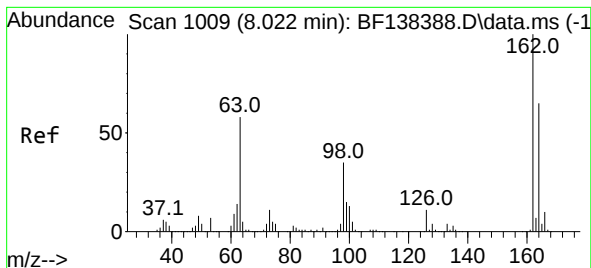
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.383 ng  
RT: 7.904 min Scan# 989  
Delta R.T. -0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion: 93 Resp: 482838  
Ion Ratio Lower Upper  
93 100  
95 32.8 26.6 40.0  
123 11.5 9.6 14.4





#29  
2,4-Dichlorophenol  
Concen: 46.606 ng  
RT: 8.016 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

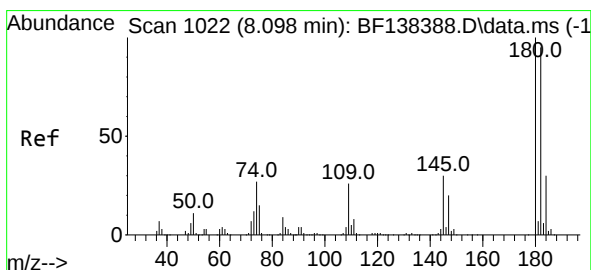
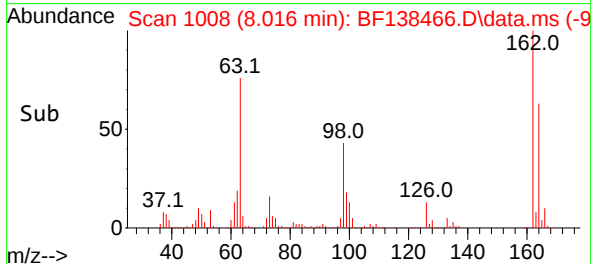
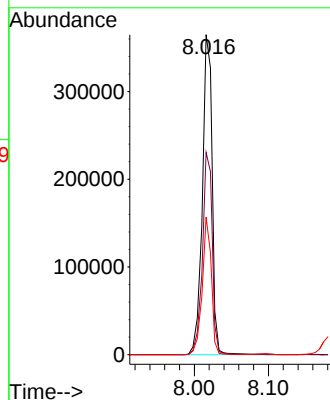
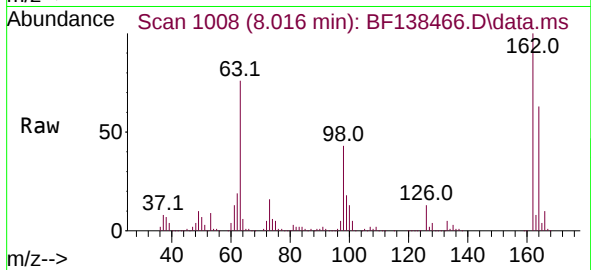
PB161920BS

Tgt Ion:162 Resp: 337038  
Ion Ratio Lower Upper  
162 100  
164 63.2 45.4 85.4  
98 43.0 15.2 55.2

Manual Integrations

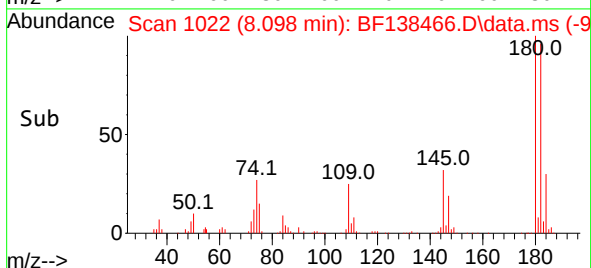
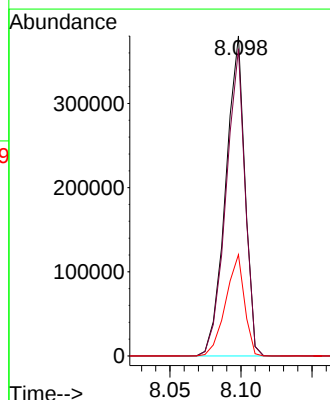
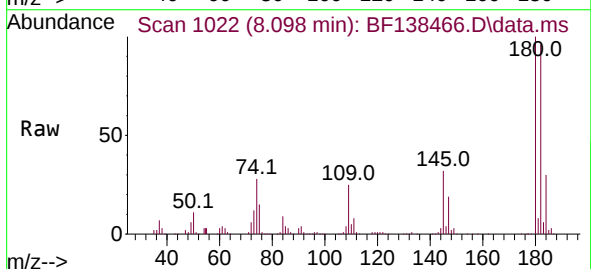
APPROVED

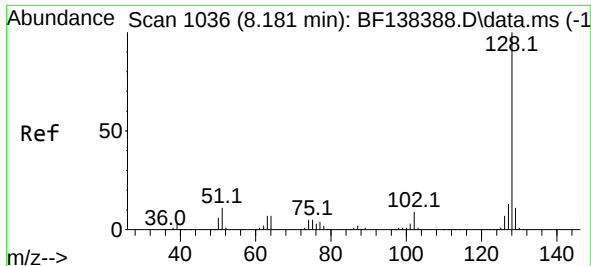
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 42.599 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:180 Resp: 358190  
Ion Ratio Lower Upper  
180 100  
182 96.0 76.0 114.0  
145 31.6 24.2 36.2





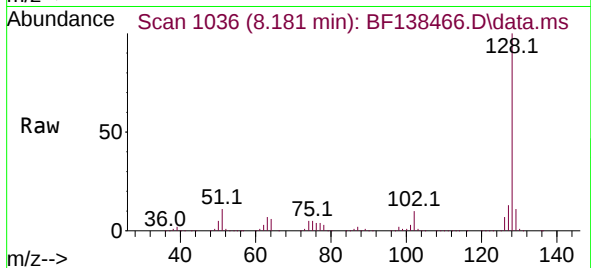
#31  
Naphthalene  
Concen: 43.651 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



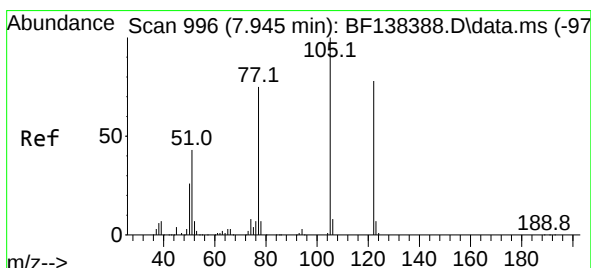
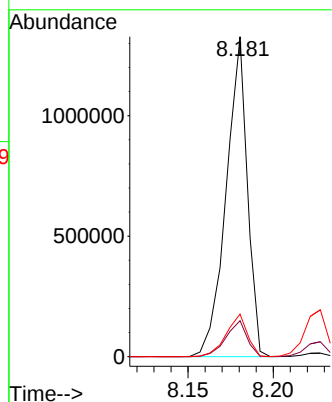
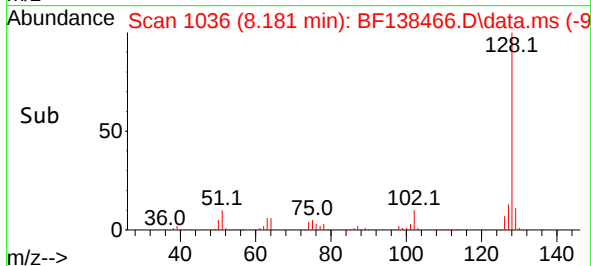
Tgt Ion:128 Resp: 1149527  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.3 10.6 16.0

Manual Integrations

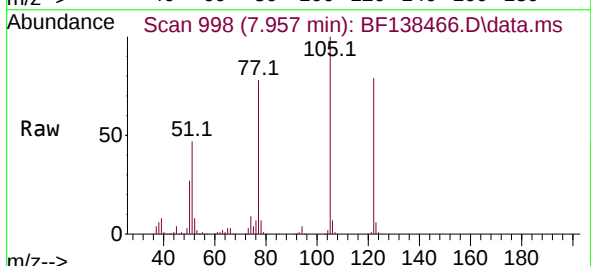
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

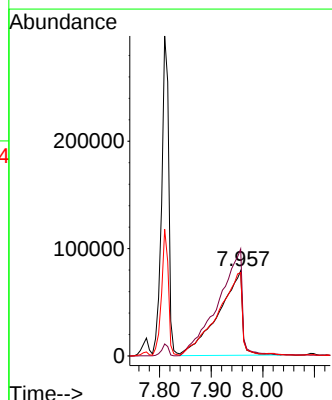
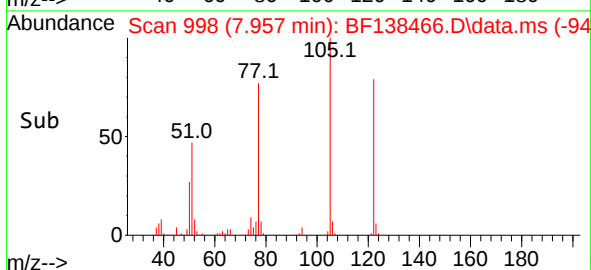
Supervised By :mohammad ahmed 07/08/2024

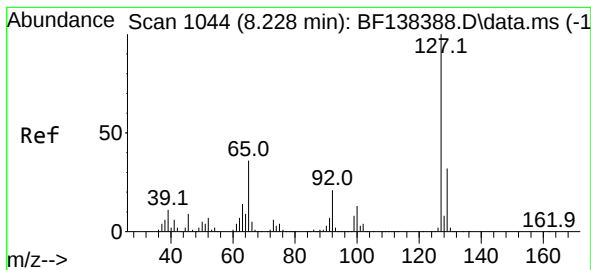


#32  
Benzoic acid  
Concen: 49.158 ng  
RT: 7.957 min Scan# 998  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:122 Resp: 253542  
Ion Ratio Lower Upper  
122 100  
105 125.9 103.8 143.8  
77 97.9 74.3 114.3





#33  
4-Chloroaniline  
Concen: 21.260 ng  
RT: 8.228 min Scan# 1044  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

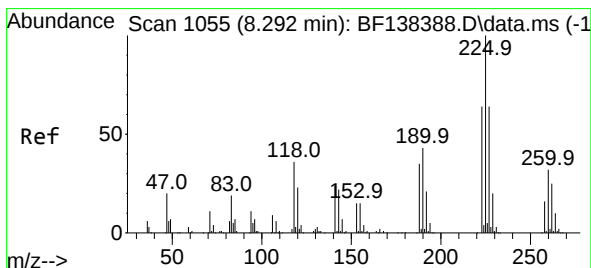
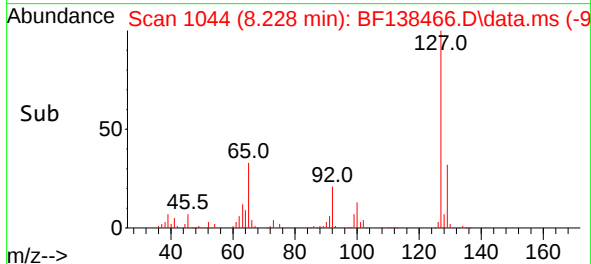
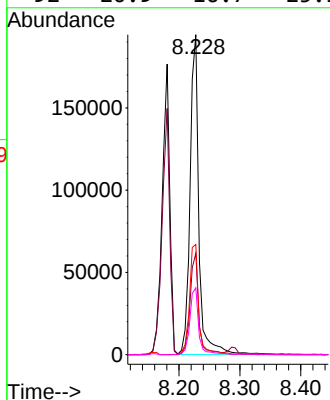
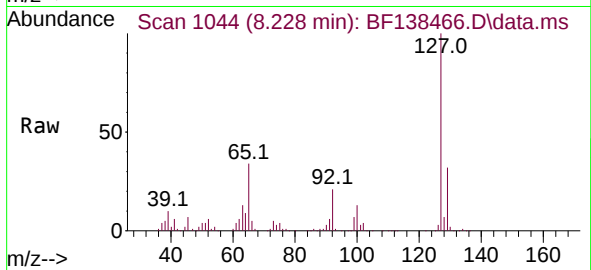
ClientSampleId :

PB161920BS

Tgt Ion:127 Resp: 19553  
Ion Ratio Lower Upper  
127 100  
129 31.7 25.4 38.2  
65 34.5 28.7 43.1  
92 20.9 16.7 25.1

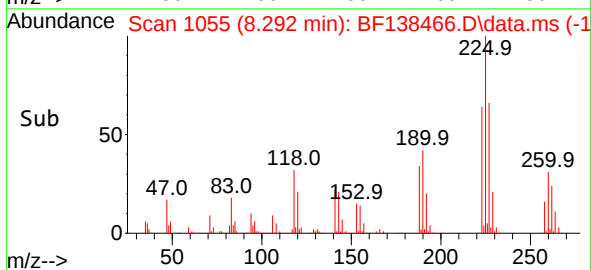
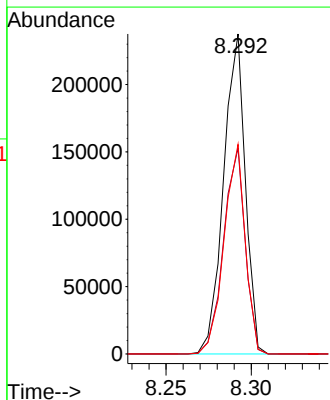
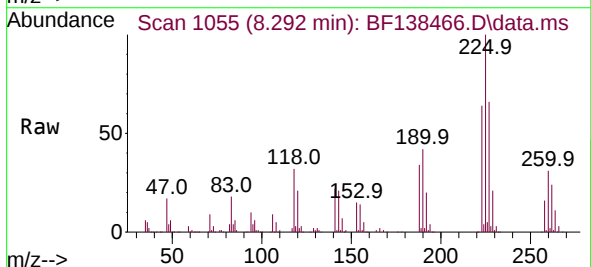
Manual Integrations  
APPROVED

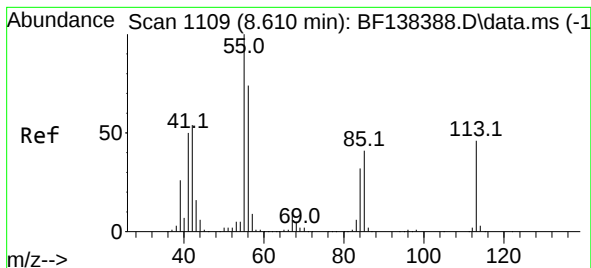
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#34  
Hexachlorobutadiene  
Concen: 41.773 ng  
RT: 8.292 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:225 Resp: 210883  
Ion Ratio Lower Upper  
225 100  
223 64.3 51.0 76.6  
227 65.5 51.2 76.8





#35

Caprolactam

Concen: 50.150 ng m

RT: 8.610 min Scan# 1109

Delta R.T. -0.000 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

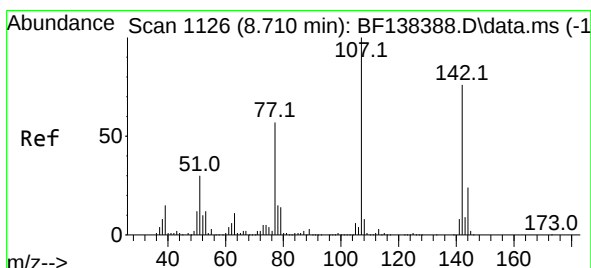
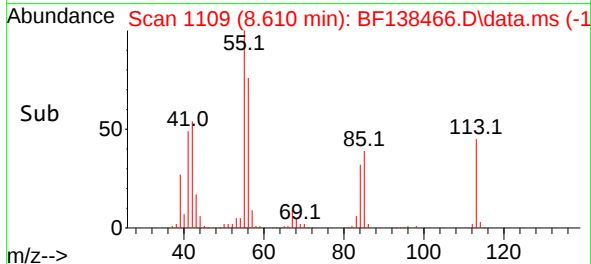
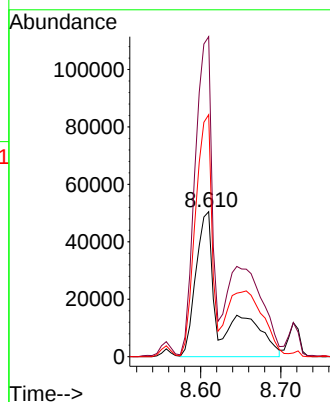
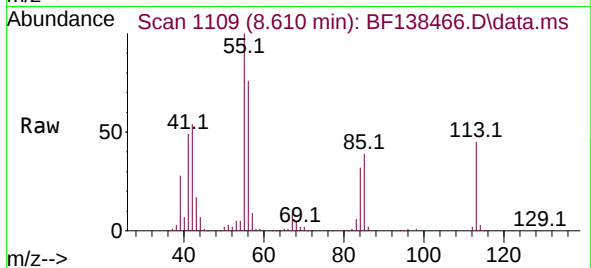
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 11452 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 220.6 | 195.9 | 235.9 |
| 56        | 166.8 | 138.7 | 178.7 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#36

4-Chloro-3-methylphenol

Concen: 48.998 ng

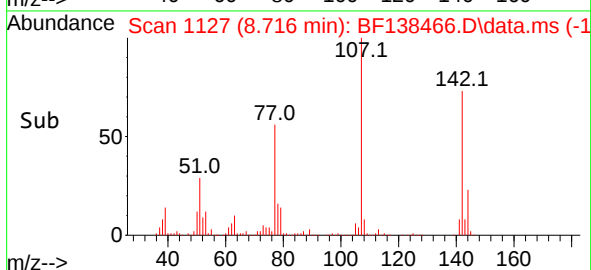
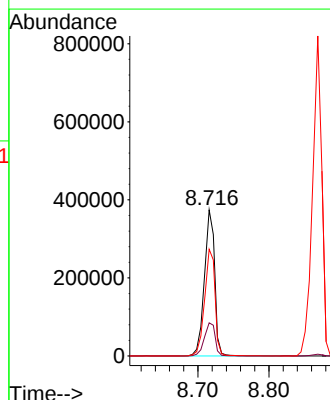
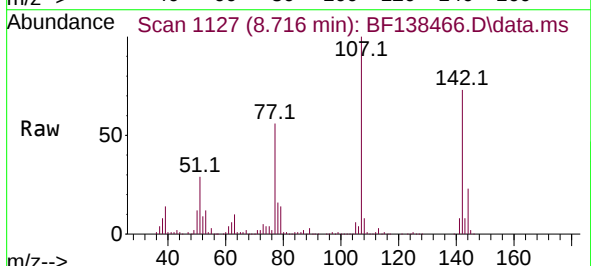
RT: 8.716 min Scan# 1127

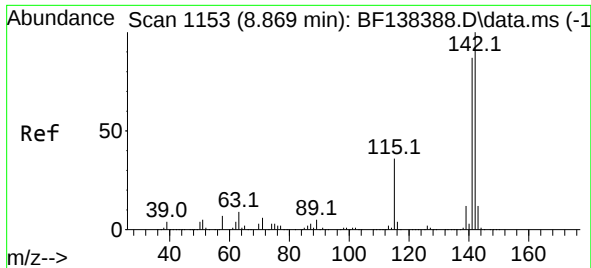
Delta R.T. 0.006 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 377427 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 22.7  | 19.2  | 28.8   |
| 142       | 73.0  | 61.0  | 91.6   |





#37  
2-Methylnaphthalene  
Concen: 43.701 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

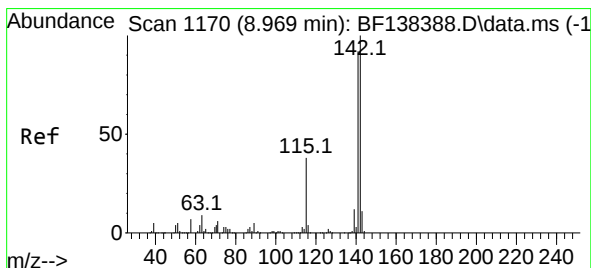
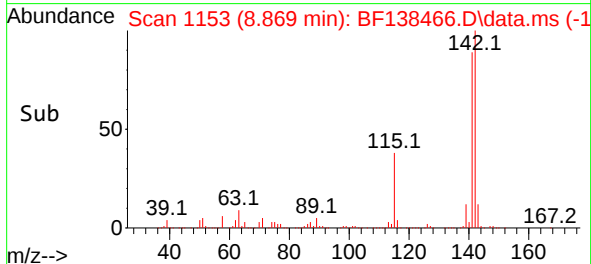
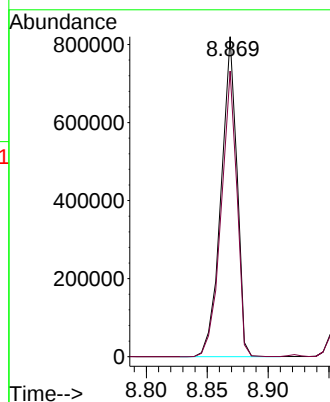
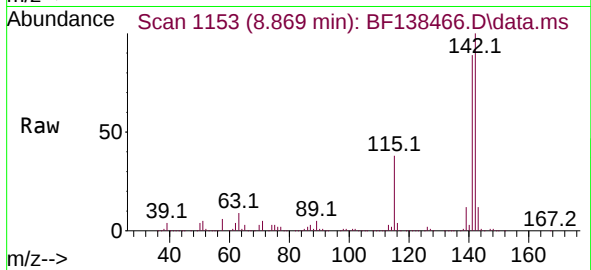
PB161920BS

Tgt Ion:142 Resp: 74378  
Ion Ratio Lower Upper  
142 100  
141 89.3 69.6 104.4

Manual Integrations

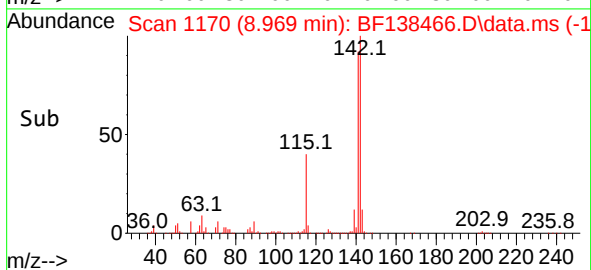
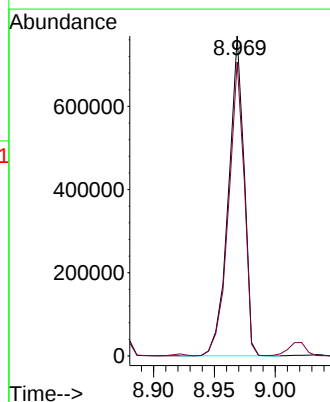
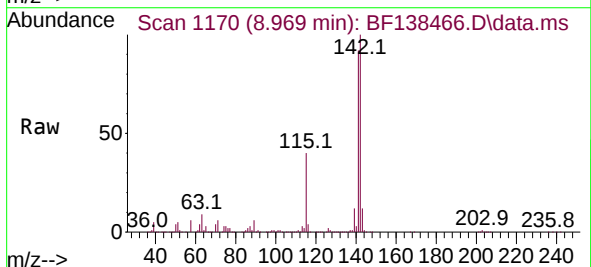
APPROVED

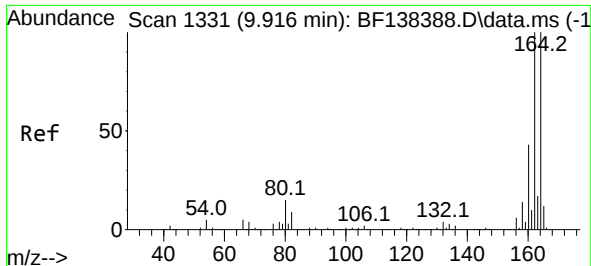
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#38  
1-Methylnaphthalene  
Concen: 41.676 ng  
RT: 8.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:142 Resp: 687906  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.7 110.5





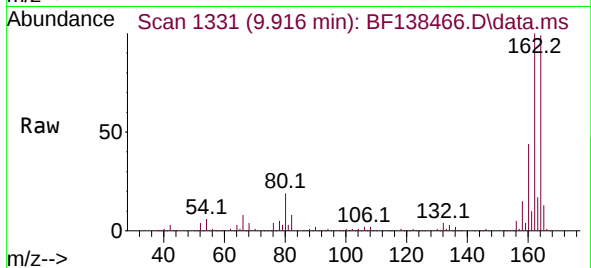
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 11331  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



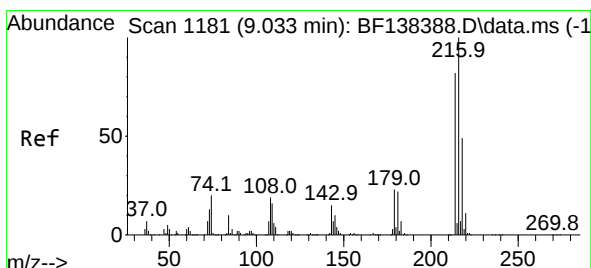
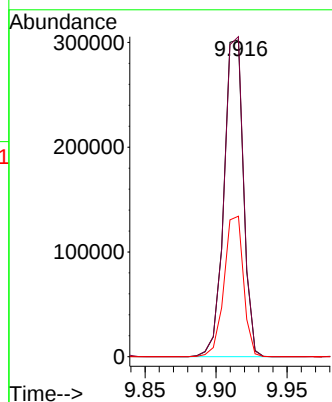
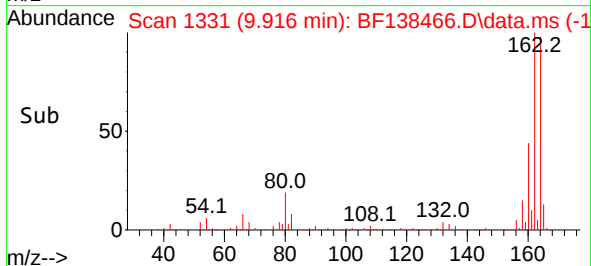
Tgt Ion:164 Resp: 28855  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.1 120.1  
160 44.4 34.1 51.1

Manual Integrations

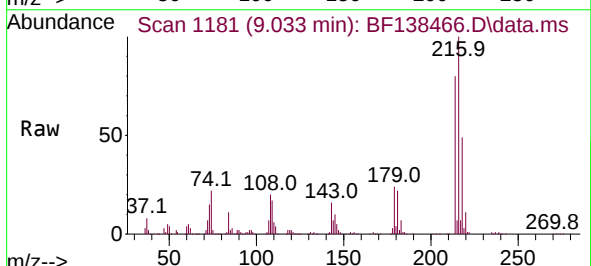
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

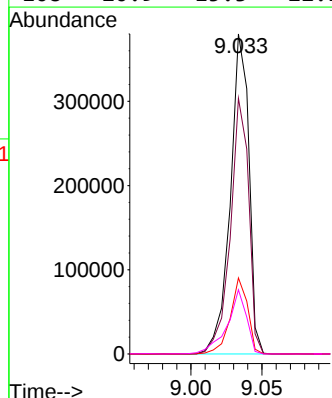
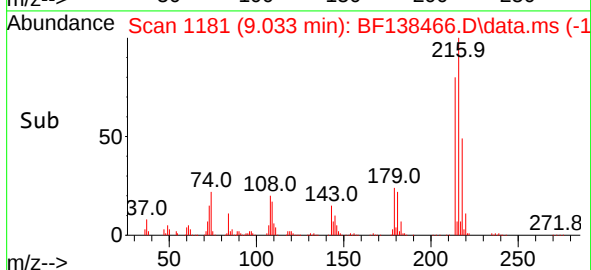
Supervised By :mohammad ahmed 07/08/2024

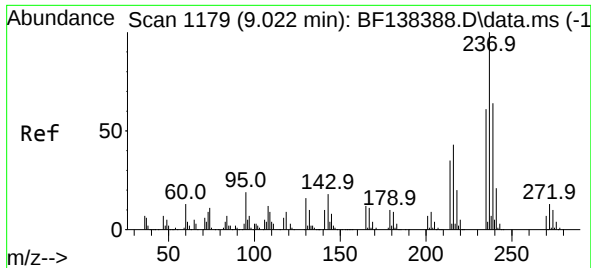


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.408 ng  
RT: 9.033 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:216 Resp: 346458  
Ion Ratio Lower Upper  
216 100  
214 78.6 64.2 96.4  
179 22.3 17.4 26.0  
108 20.9 15.3 22.9





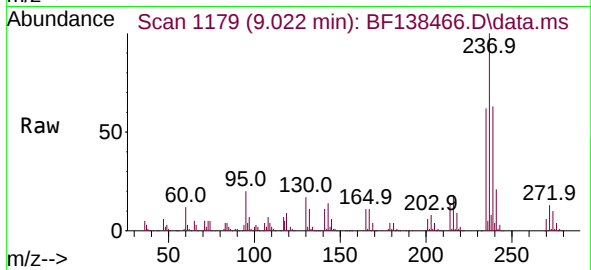
#41  
Hexachlorocyclopentadiene  
Concen: 116.602 ng  
RT: 9.022 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



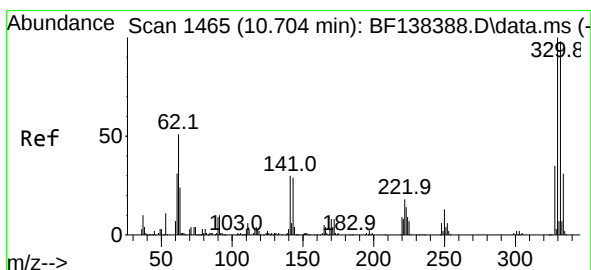
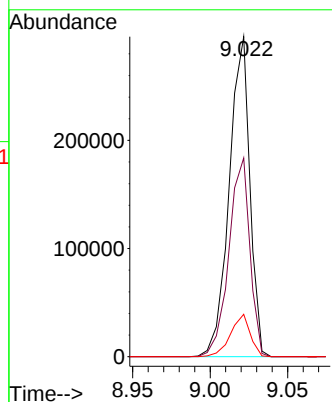
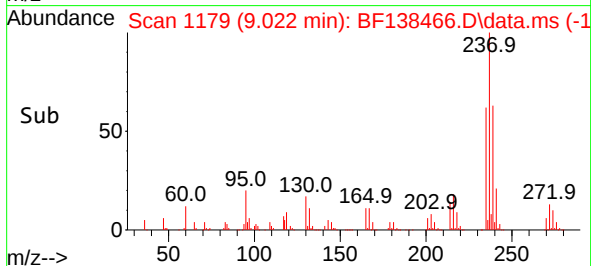
Tgt Ion:237 Resp: 273937  
Ion Ratio Lower Upper  
237 100  
235 62.1 41.4 81.4  
272 13.2 0.0 33.1

Manual Integrations

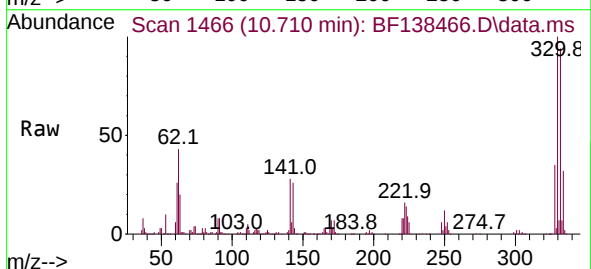
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

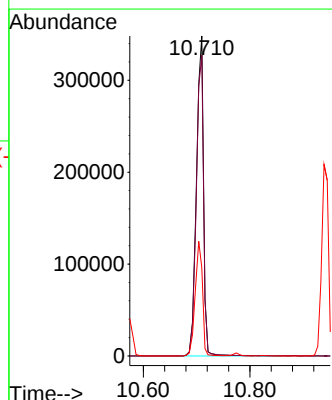
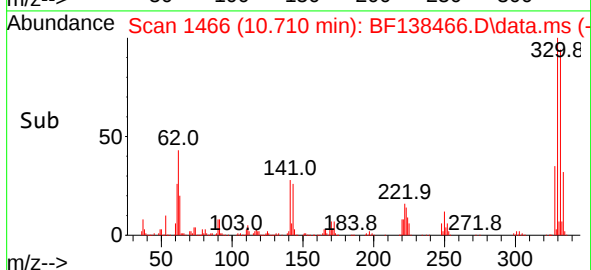
Supervised By :mohammad ahmed 07/08/2024

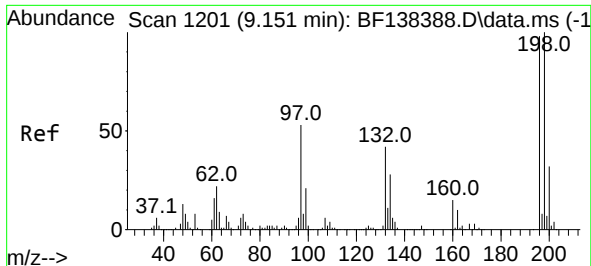


#42  
2,4,6-Tribromophenol  
Concen: 137.256 ng  
RT: 10.710 min Scan# 1466  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:330 Resp: 323580  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.0 115.6  
141 36.6 28.1 42.1





#43  
2,4,6-Trichlorophenol  
Concen: 45.507 ng  
RT: 9.151 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

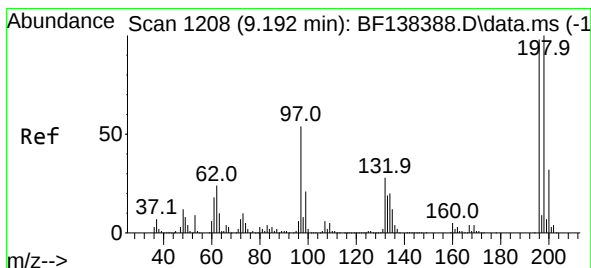
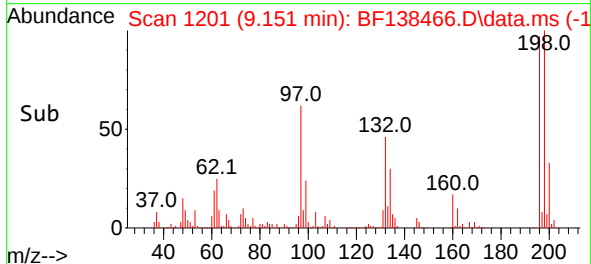
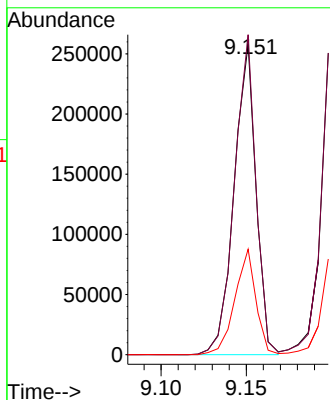
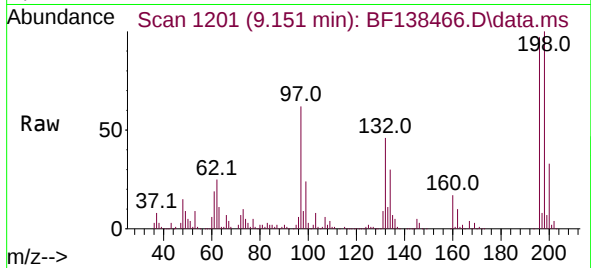
Tgt Ion:196 Resp: 23111  
Ion Ratio Lower Upper  
196 100  
198 103.1 81.8 122.8  
200 34.0 26.2 39.4

Manual Integrations

APPROVED

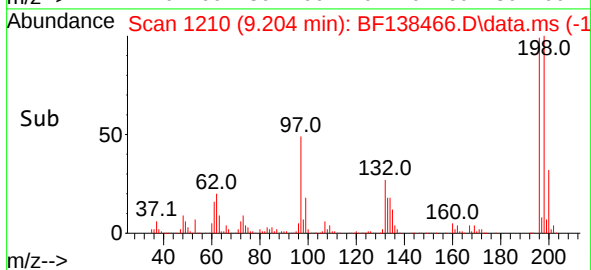
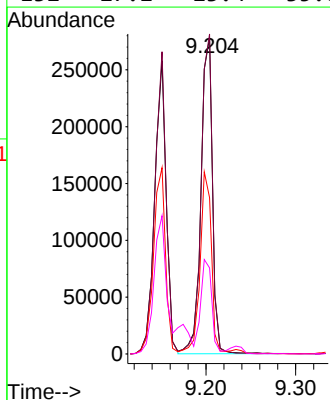
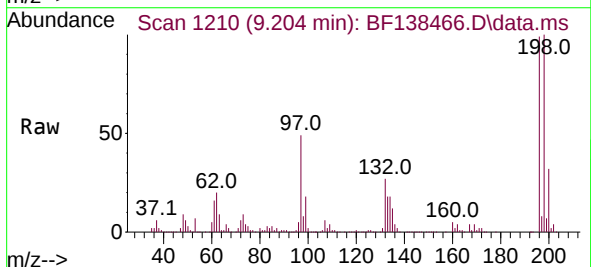
Reviewed By :Yogesh Patel 07/08/2024

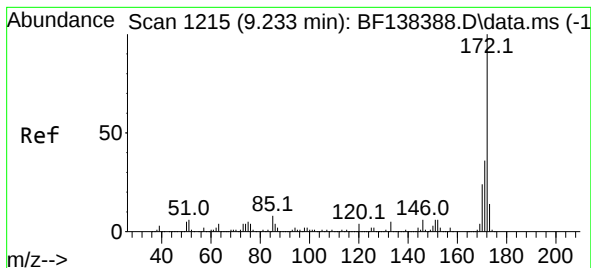
Supervised By :mohammad ahmed 07/08/2024



#44  
2,4,5-Trichlorophenol  
Concen: 44.616 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:196 Resp: 246429  
Ion Ratio Lower Upper  
196 100  
198 101.2 81.8 122.6  
97 49.4 44.2 66.4  
132 27.2 23.4 35.0





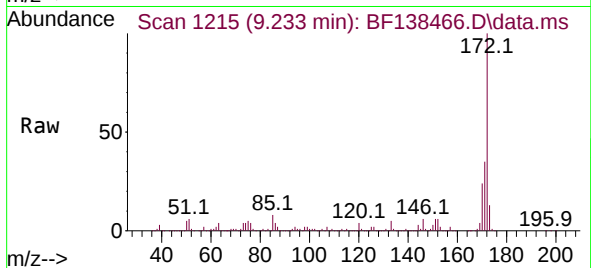
#45  
2-Fluorobiphenyl  
Concen: 82.240 ng  
RT: 9.233 min Scan# 1215  
Delta R.T. 0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



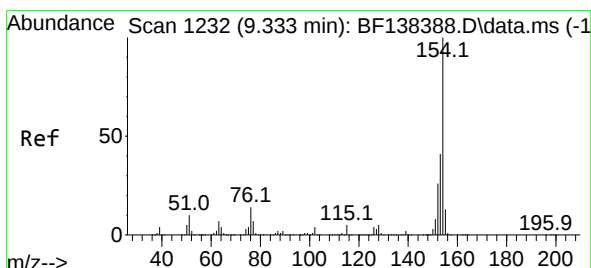
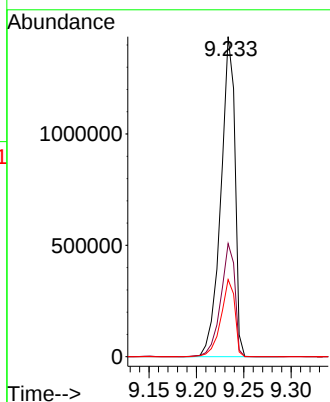
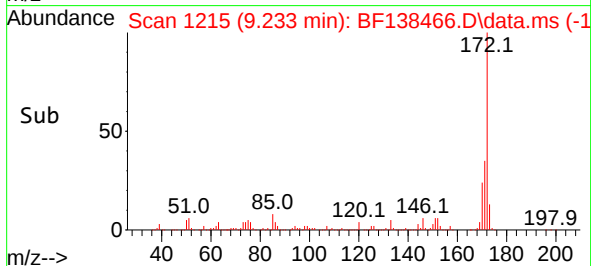
Tgt Ion:172 Resp: 149110  
Ion Ratio Lower Upper  
172 100  
171 35.3 29.0 43.4  
170 24.1 19.0 28.6

Manual Integrations

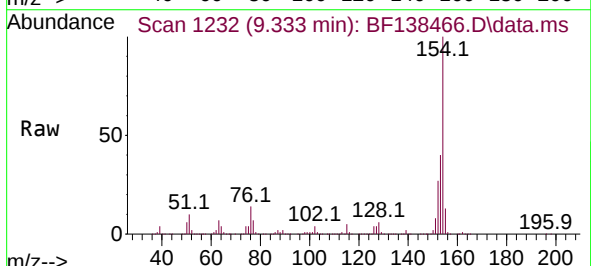
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

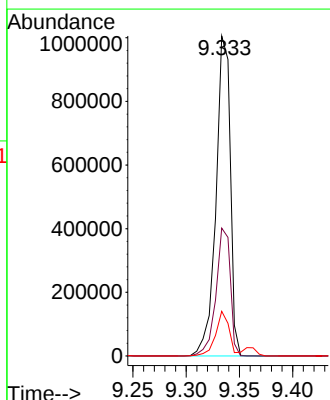
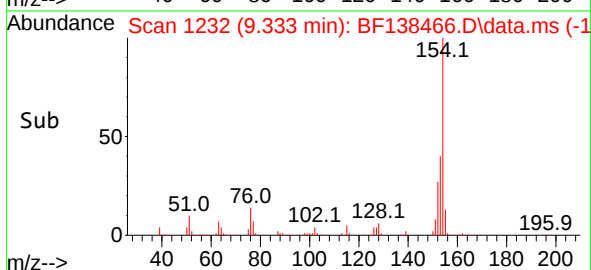
Supervised By :mohammad ahmed 07/08/2024

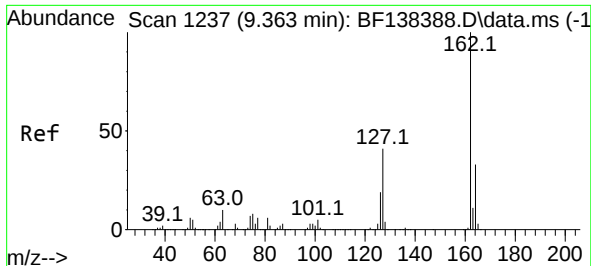


#46  
1,1'-Biphenyl  
Concen: 43.675 ng  
RT: 9.333 min Scan# 1232  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:154 Resp: 940986  
Ion Ratio Lower Upper  
154 100  
153 40.0 20.5 60.5  
76 14.0 0.0 34.4





#47  
2-Chloronaphthalene  
Concen: 42.887 ng  
RT: 9.363 min Scan# 1237  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

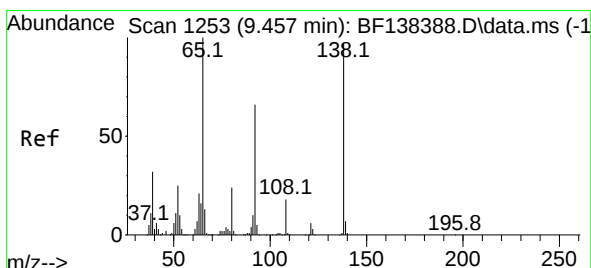
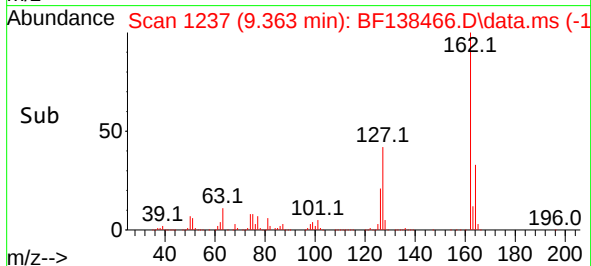
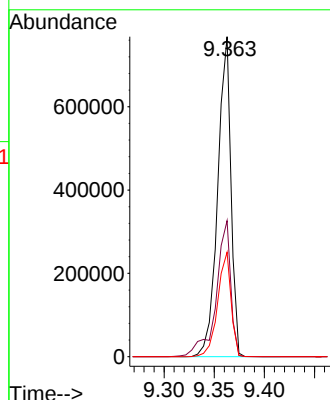
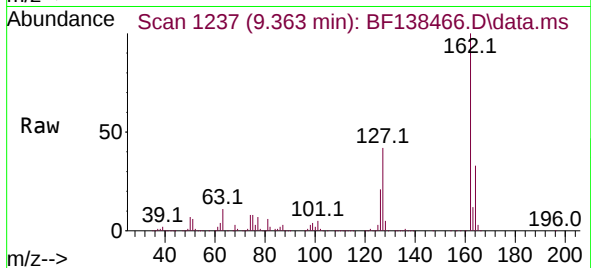
ClientSampleId :

PB161920BS

Tgt Ion:162 Resp: 704504  
Ion Ratio Lower Upper  
162 100  
127 42.5 32.7 49.1  
164 32.7 26.6 40.0

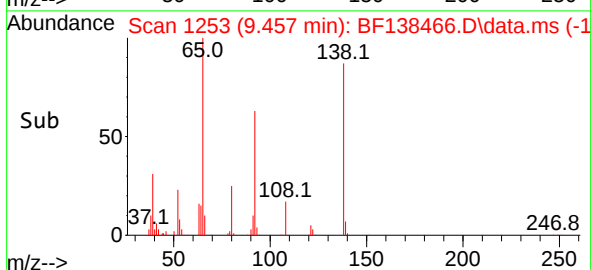
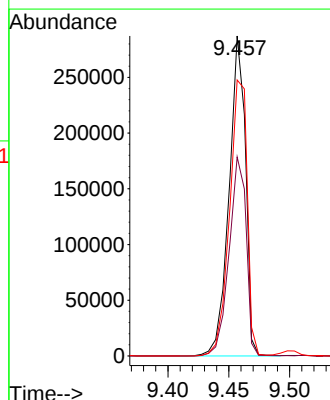
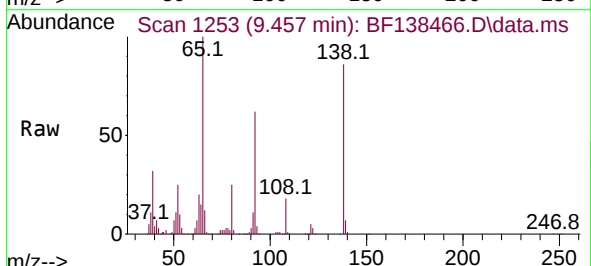
Manual Integrations  
APPROVED

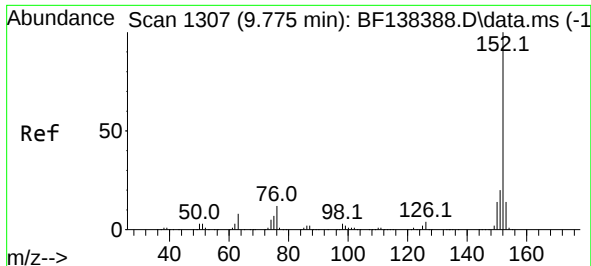
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#48  
2-Nitroaniline  
Concen: 50.882 ng  
RT: 9.457 min Scan# 1253  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion: 65 Resp: 269617  
Ion Ratio Lower Upper  
65 100  
92 62.2 52.6 79.0  
138 86.2 77.4 116.0





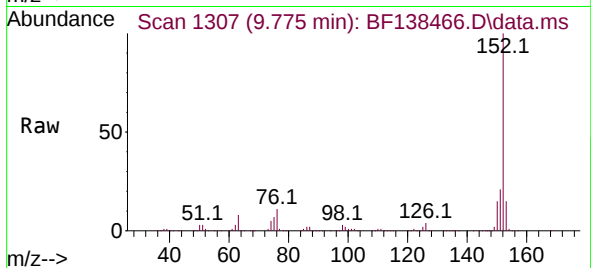
#49  
Acenaphthylene  
Concen: 47.509 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



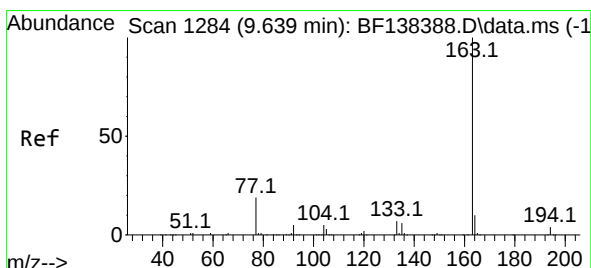
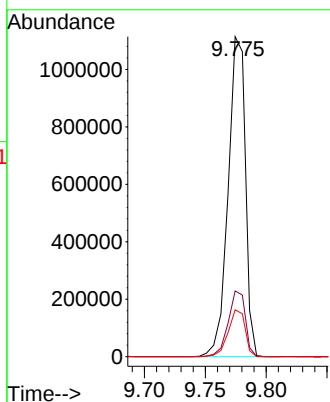
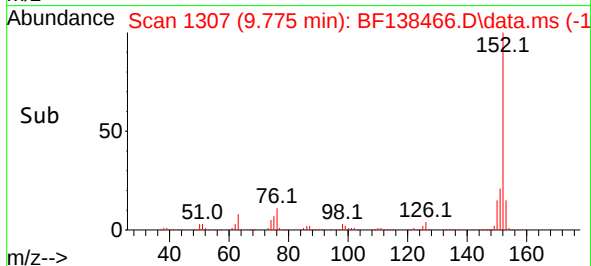
Tgt Ion:152 Resp: 109758  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.2 24.4  
153 14.7 11.4 17.2

Manual Integrations

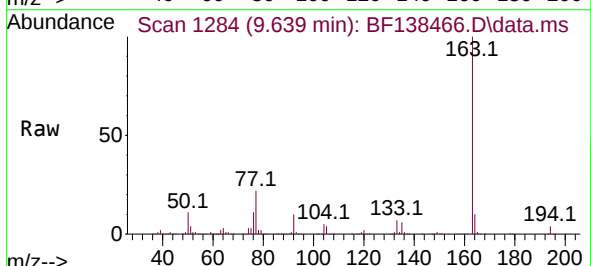
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

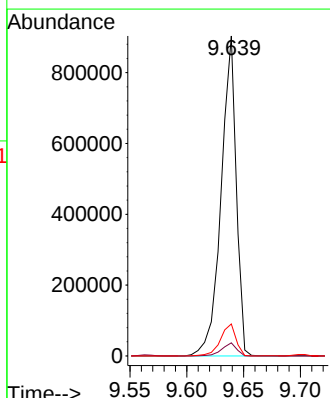
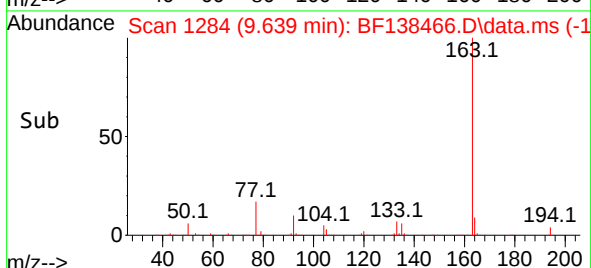
Supervised By :mohammad ahmed 07/08/2024

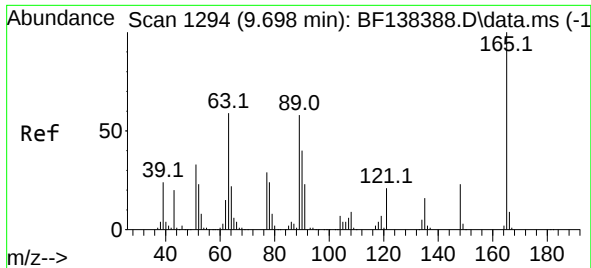


#50  
Dimethylphthalate  
Concen: 45.358 ng  
RT: 9.639 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:163 Resp: 841155  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.5 5.3  
164 10.0 8.2 12.4





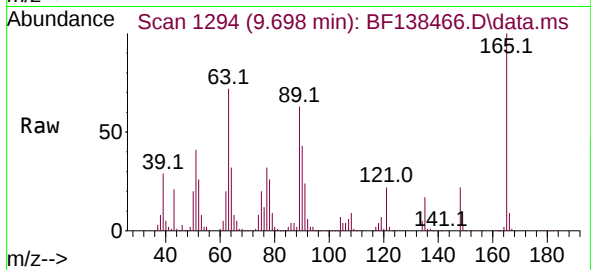
#51  
2,6-Dinitrotoluene  
Concen: 46.306 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

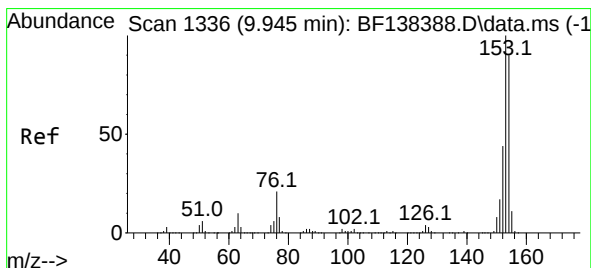
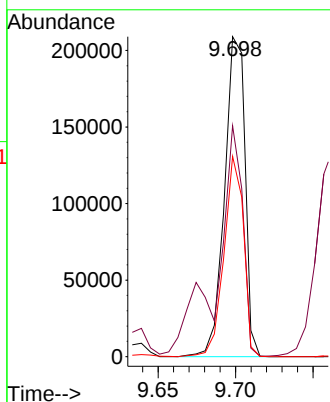
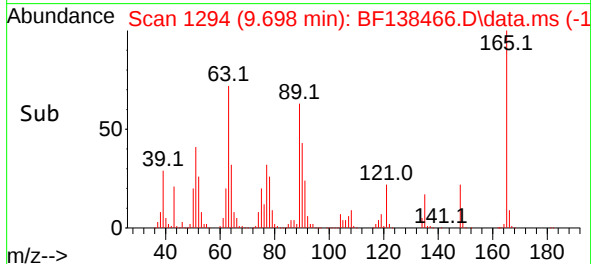


Tgt Ion:165 Resp: 19232  
Ion Ratio Lower Upper  
165 100  
63 72.1 53.8 80.8  
89 62.6 46.4 69.6

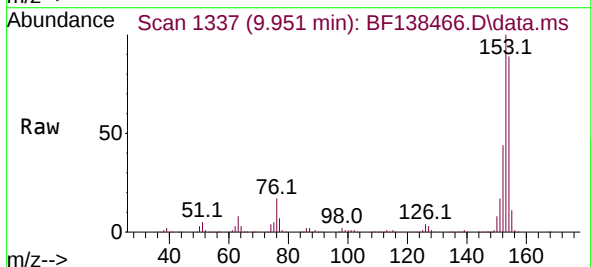
Manual Integrations

APPROVED

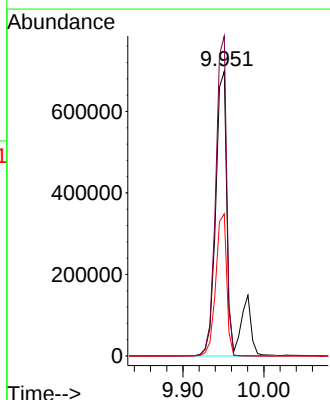
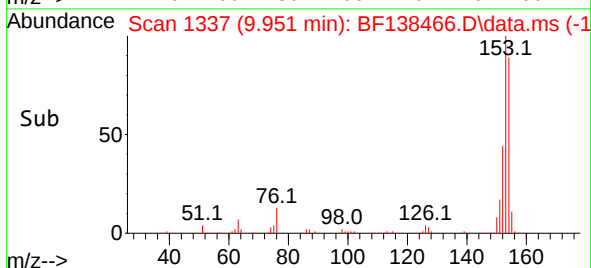
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

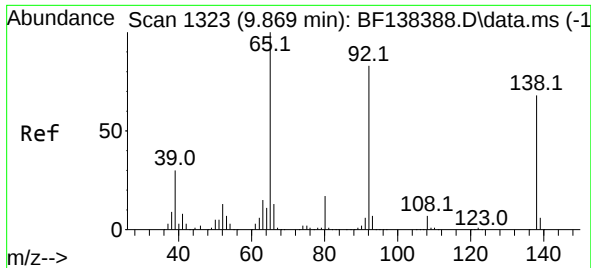


#52  
Acenaphthene  
Concen: 49.563 ng m  
RT: 9.951 min Scan# 1337  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:154 Resp: 784042  
Ion Ratio Lower Upper  
154 100  
153 112.4 89.4 134.0  
152 49.9 39.7 59.5





#53  
3-Nitroaniline  
Concen: 33.875 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

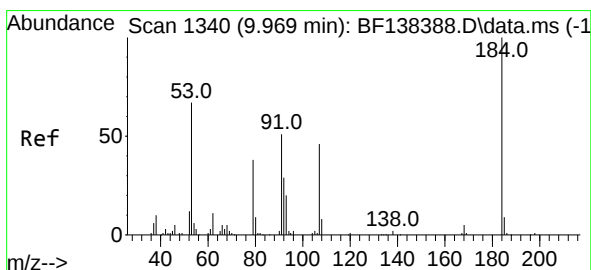
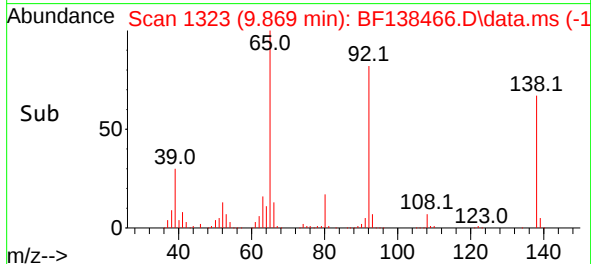
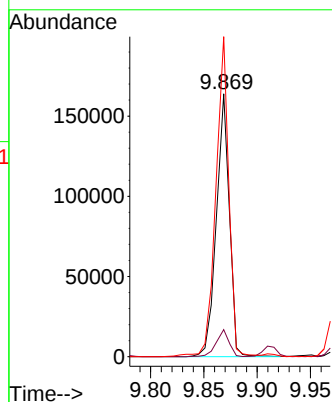
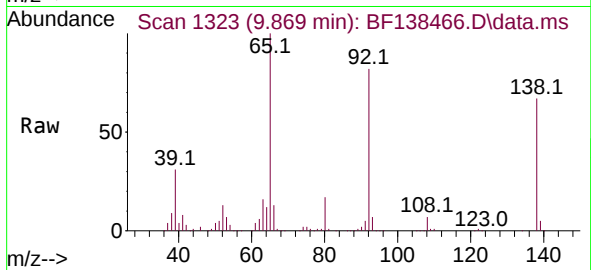
ClientSampleId :

PB161920BS

Tgt Ion:138 Resp: 13895  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.6 12.8  
92 121.7 97.3 145.9

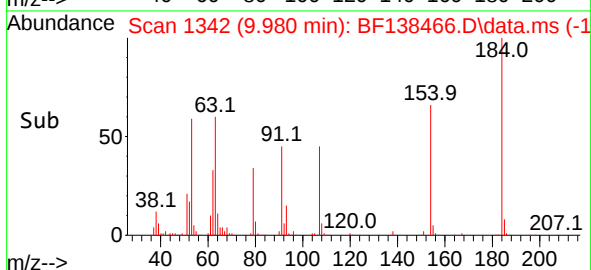
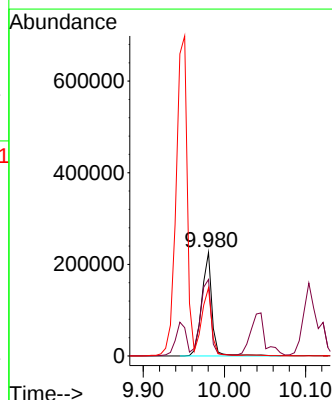
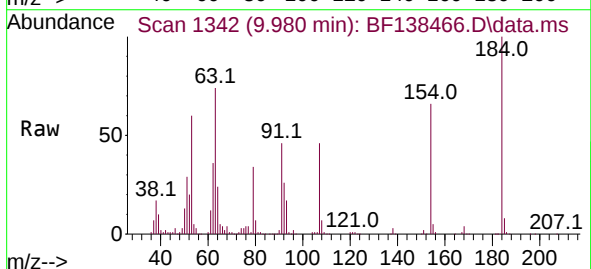
Manual Integrations  
APPROVED

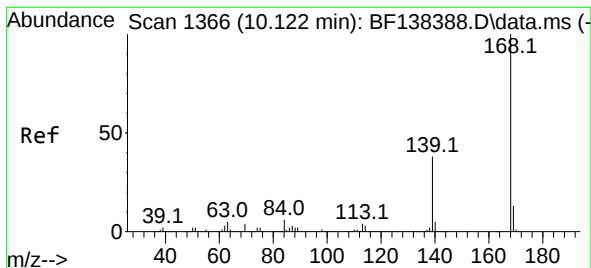
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#54  
2,4-Dinitrophenol  
Concen: 109.177 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.011 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:184 Resp: 198236  
Ion Ratio Lower Upper  
184 100  
63 73.8 67.3 100.9  
154 65.7 51.0 76.4





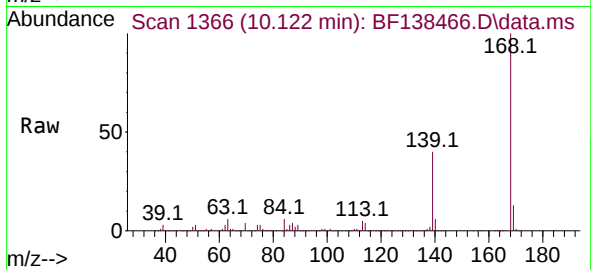
#55  
Dibenzenofuran  
Concen: 45.041 ng  
RT: 10.122 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



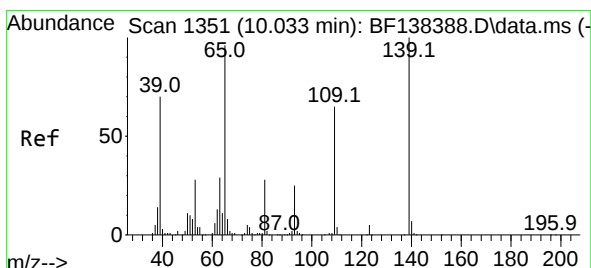
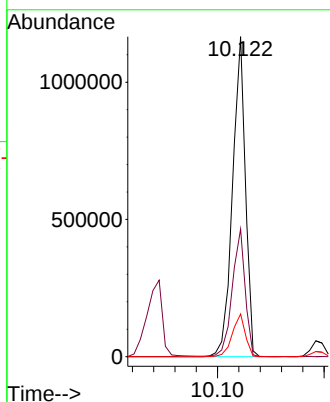
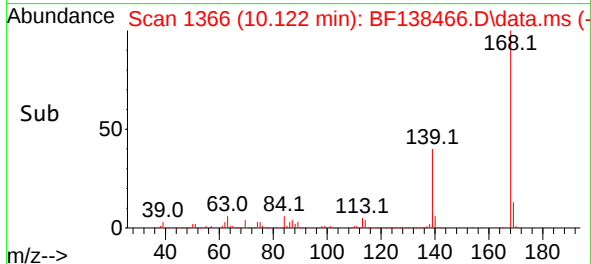
Tgt Ion:168 Resp: 981708  
Ion Ratio Lower Upper  
168 100  
139 39.9 30.4 45.6  
169 13.4 10.7 16.1

Manual Integrations

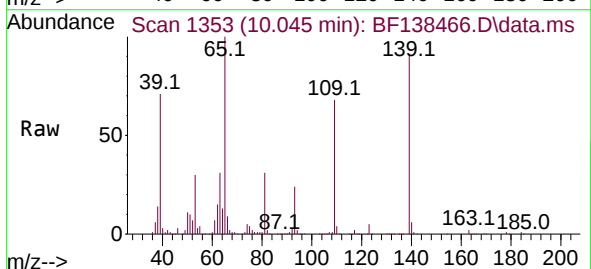
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

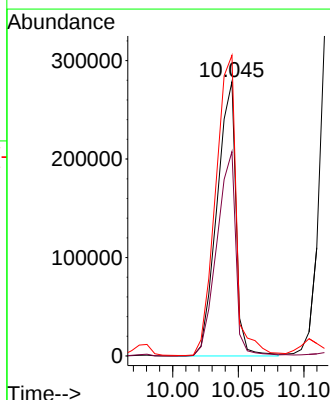
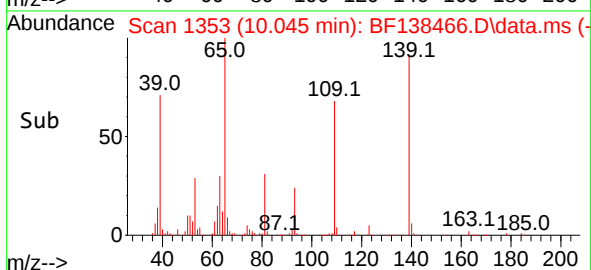
Supervised By :mohammad ahmed 07/08/2024

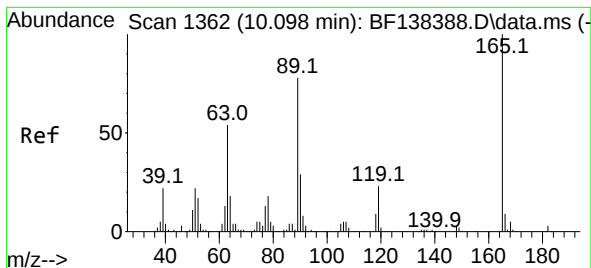


#56  
4-Nitrophenol  
Concen: 105.561 ng  
RT: 10.045 min Scan# 1353  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:139 Resp: 280757  
Ion Ratio Lower Upper  
139 100  
109 74.5 44.6 84.6  
65 109.6 75.9 115.9





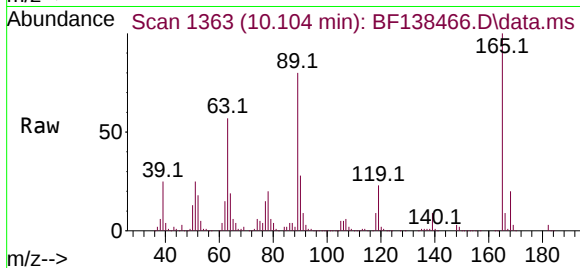
#57  
2,4-Dinitrotoluene  
Concen: 49.445 ng  
RT: 10.104 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



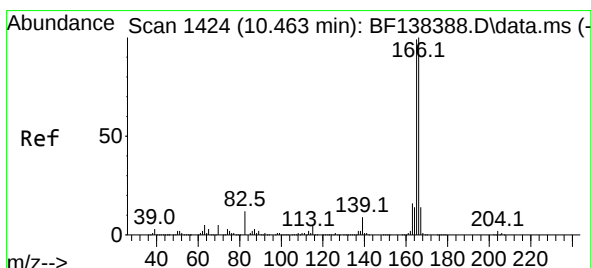
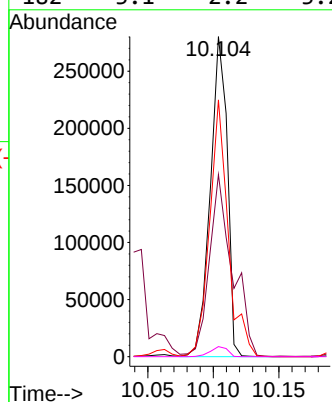
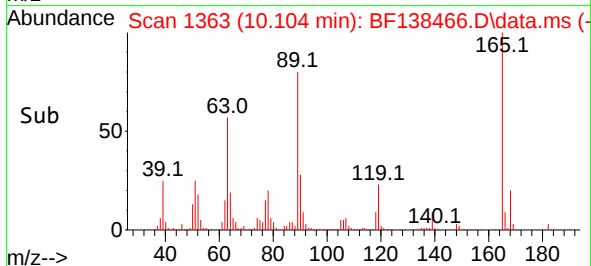
Tgt Ion:165 Resp: 25285  
Ion Ratio Lower Upper  
165 100  
63 56.9 43.4 65.2  
89 80.3 62.6 93.8  
182 3.1 2.2 3.2

Manual Integrations

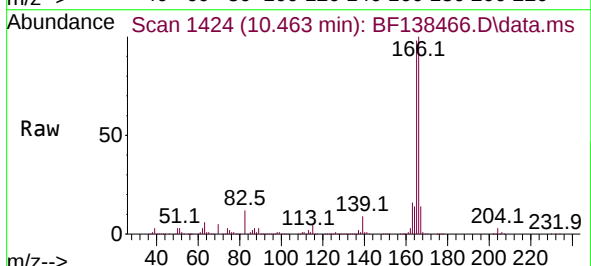
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

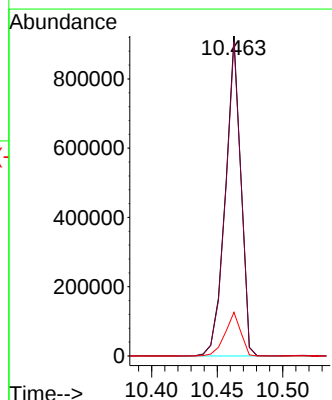
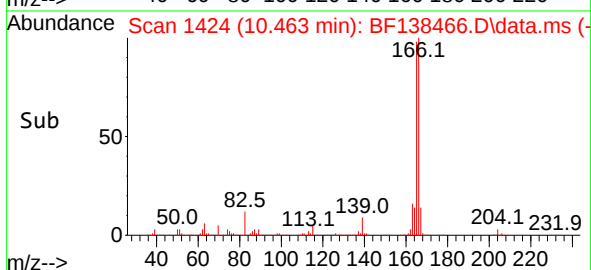
Supervised By :mohammad ahmed 07/08/2024

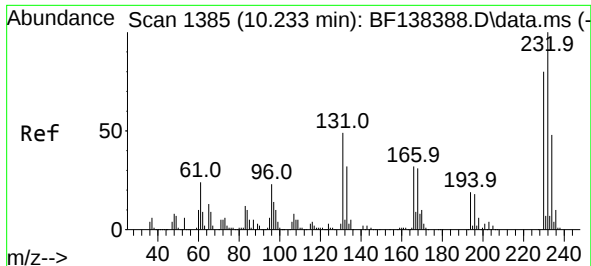


#58  
Fluorene  
Concen: 43.445 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:166 Resp: 752411  
Ion Ratio Lower Upper  
166 100  
165 98.1 79.0 118.6  
167 13.7 10.8 16.2





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.399 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

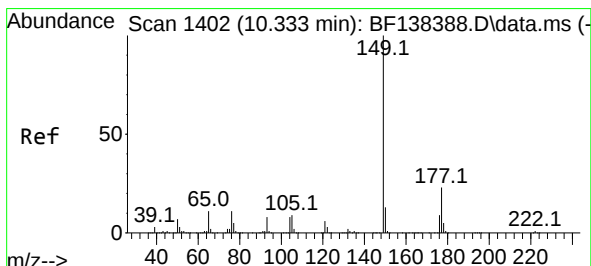
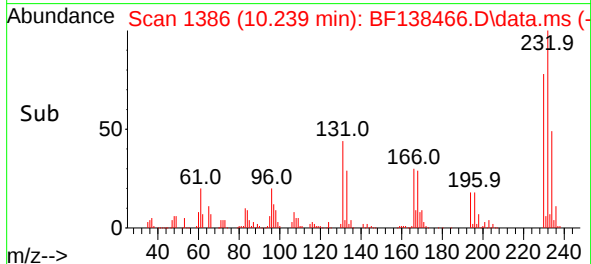
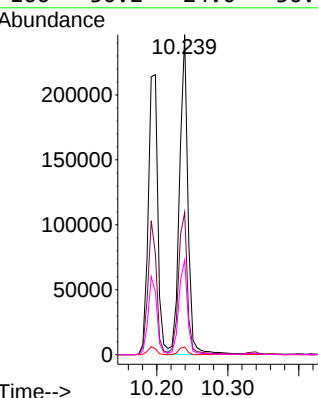
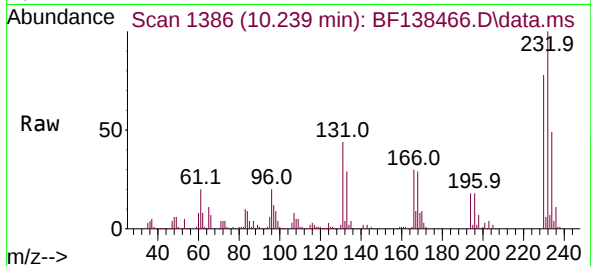
Tgt Ion:232 Resp: 202660  
Ion Ratio Lower Upper  
232 100  
131 47.1 36.6 55.0  
130 2.4 1.8 2.8  
166 30.2 24.0 36.0

Manual Integrations

APPROVED

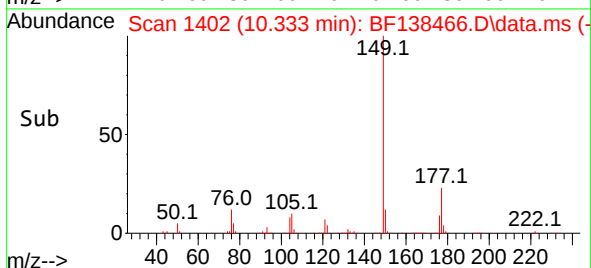
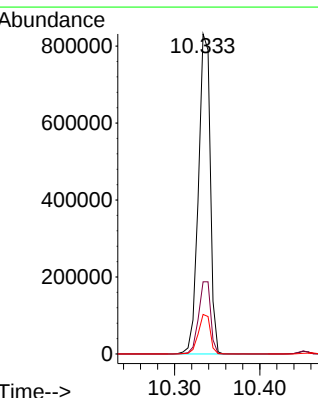
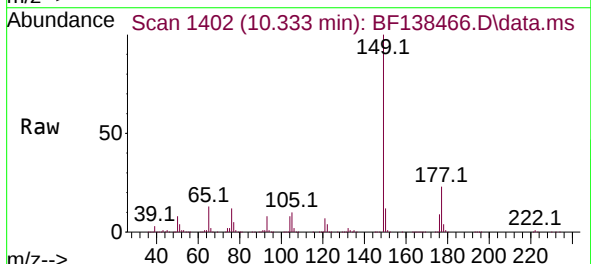
Reviewed By :Yogesh Patel 07/08/2024

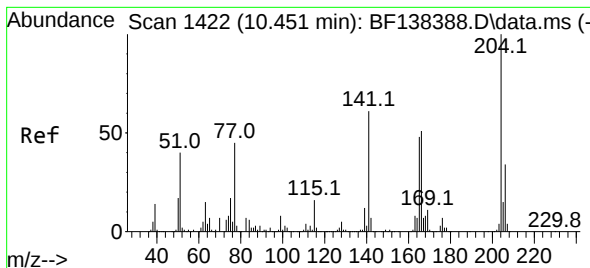
Supervised By :mohammad ahmed 07/08/2024



#60  
Diethylphthalate  
Concen: 46.216 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

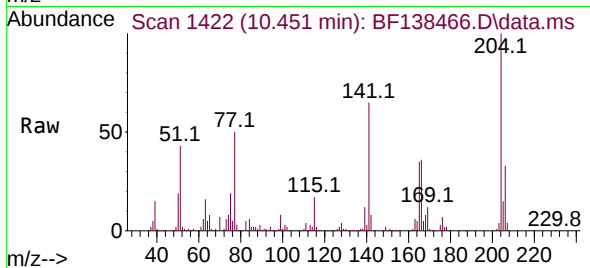
Tgt Ion:149 Resp: 801312  
Ion Ratio Lower Upper  
149 100  
177 22.6 18.4 27.6  
150 12.4 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 42.298 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

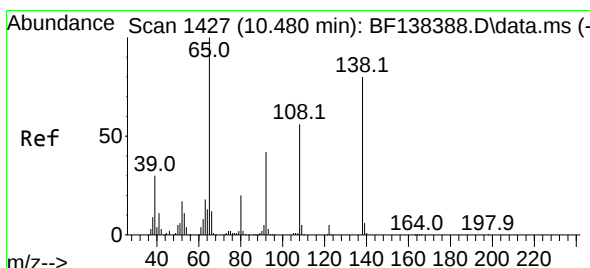
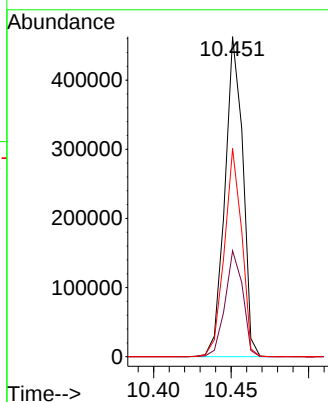
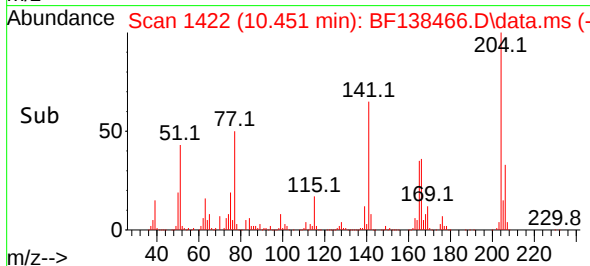
Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS



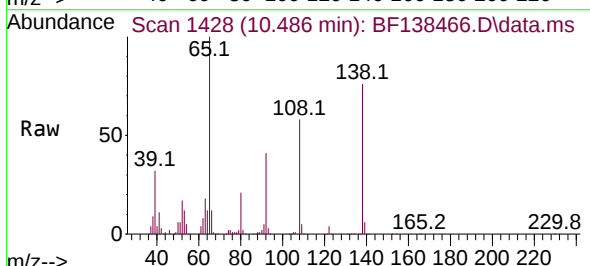
Tgt Ion:204 Resp: 37167  
Ion Ratio Lower Upper  
204 100  
206 33.1 27.1 40.7  
141 65.0 48.4 72.6

Manual Integrations  
APPROVED

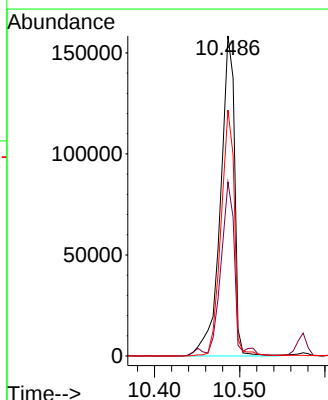
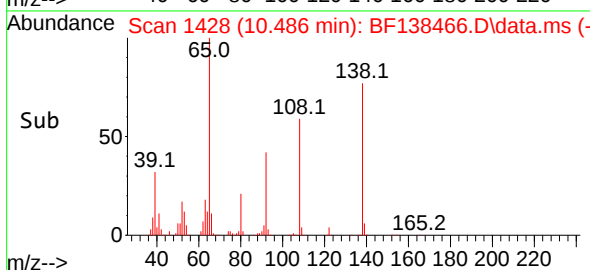
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

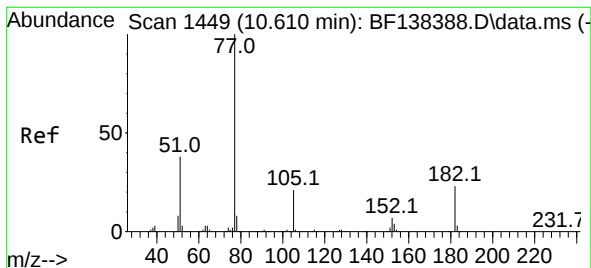


#62  
4-Nitroaniline  
Concen: 48.577 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:138 Resp: 182897  
Ion Ratio Lower Upper  
138 100  
92 54.4 32.6 72.6  
108 76.8 50.3 90.3





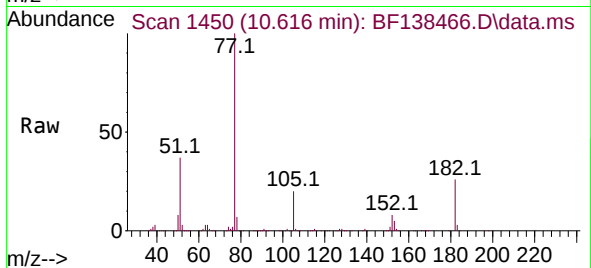
#63  
Azobenzene  
Concen: 46.916 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



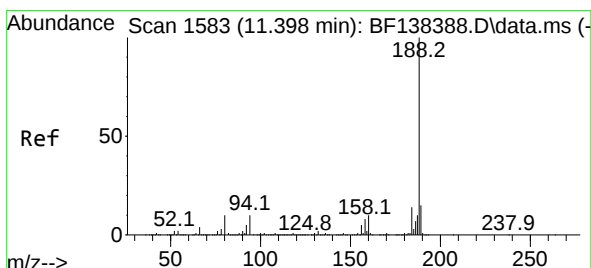
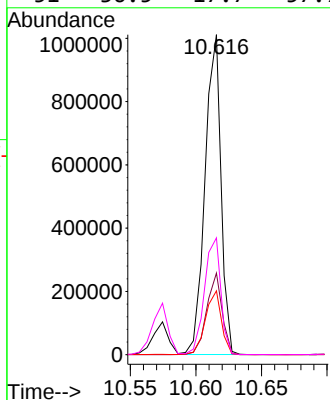
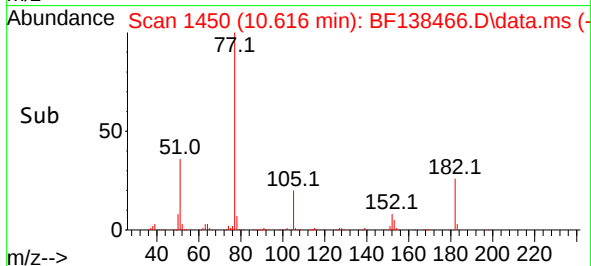
Tgt Ion: 77 Resp: 859070  
Ion Ratio Lower Upper  
77 100  
182 25.5 2.7 42.7  
105 19.9 0.6 40.6  
51 36.5 17.7 57.7

Manual Integrations

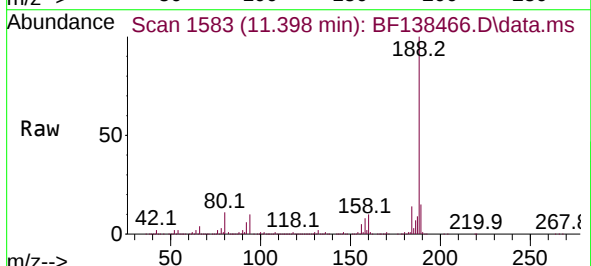
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

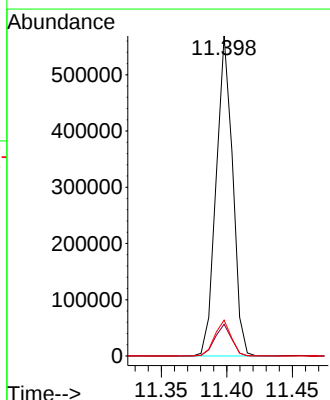
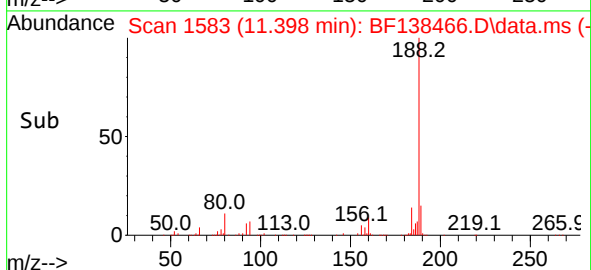
Supervised By :mohammad ahmed 07/08/2024

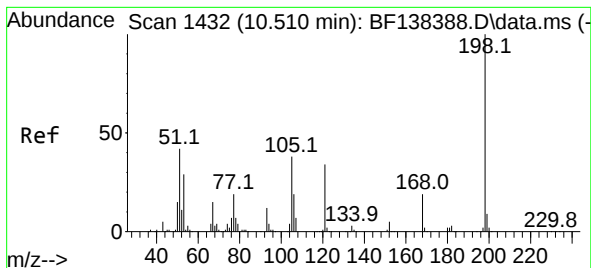


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1583  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:188 Resp: 496530  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.0 12.0  
80 11.2 8.2 12.4





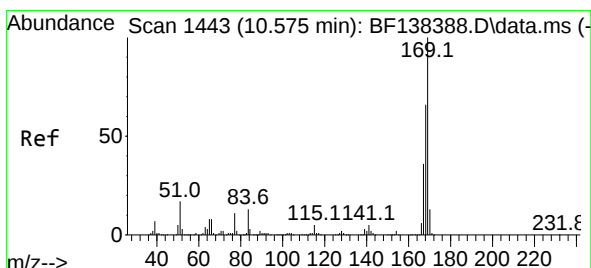
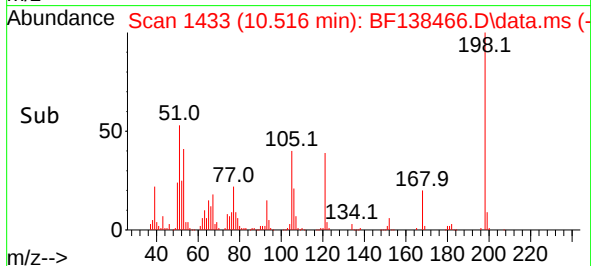
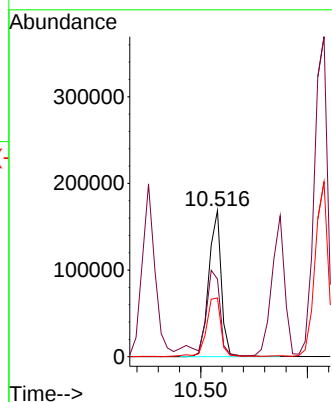
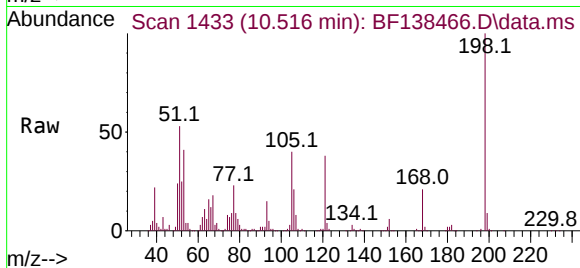
#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.307 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS

Tgt Ion:198 Resp: 137611  
Ion Ratio Lower Upper  
198 100  
51 53.1 27.9 67.9  
105 40.1 18.2 58.2

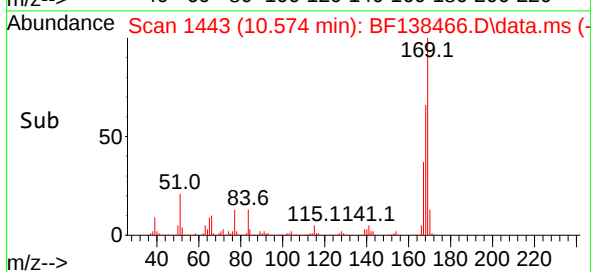
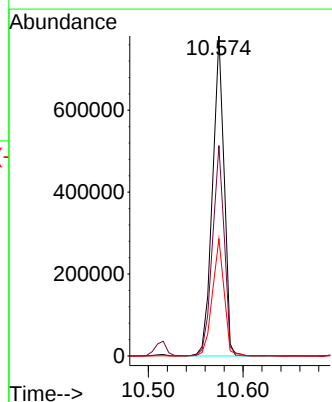
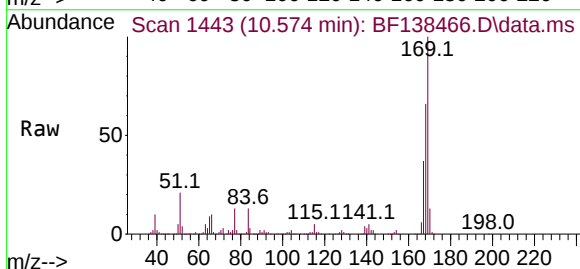
Manual Integrations  
APPROVED

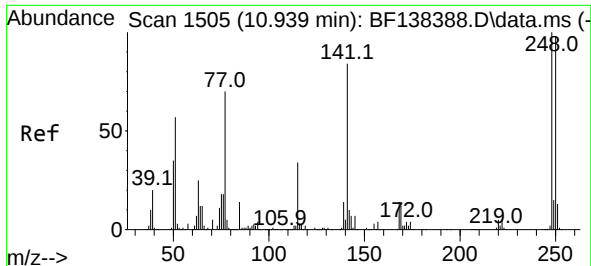
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#66  
n-Nitrosodiphenylamine  
Concen: 42.926 ng  
RT: 10.574 min Scan# 1443  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:169 Resp: 661692  
Ion Ratio Lower Upper  
169 100  
168 65.7 52.5 78.7  
167 36.6 28.8 43.2





#67  
4-Bromophenyl-phenylether  
Concen: 42.235 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

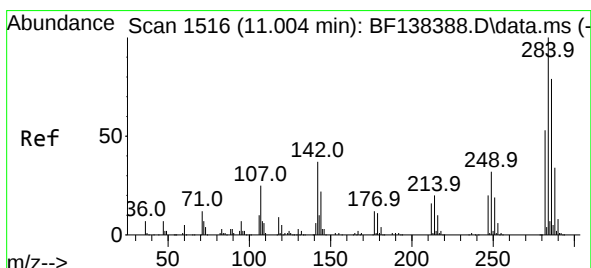
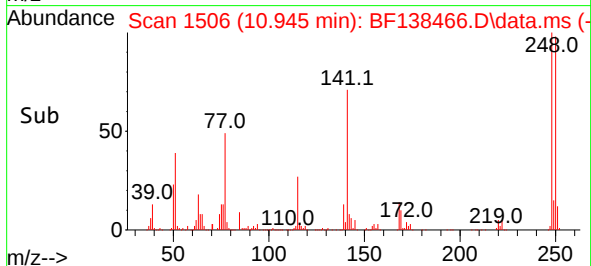
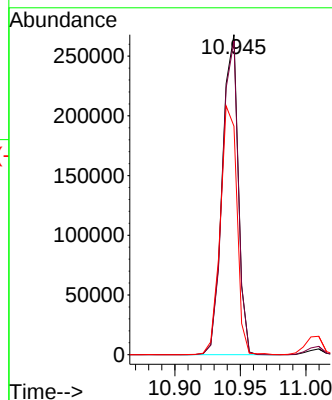
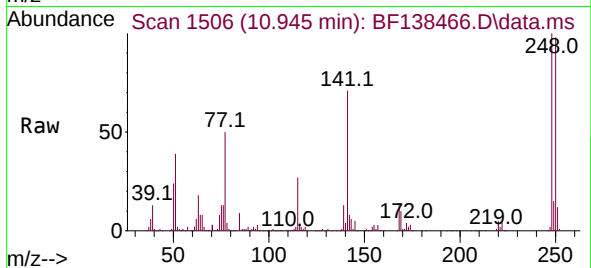
PB161920BS

Tgt Ion:248 Resp: 225412  
Ion Ratio Lower Upper  
248 100  
250 98.1 78.2 117.4  
141 71.4 67.6 101.4

Manual Integrations

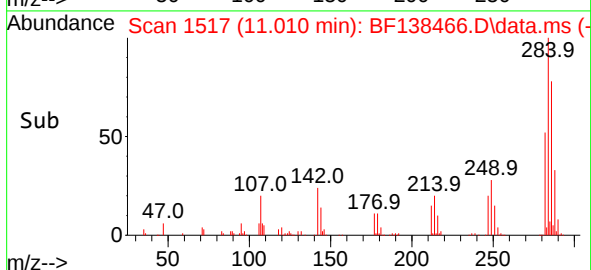
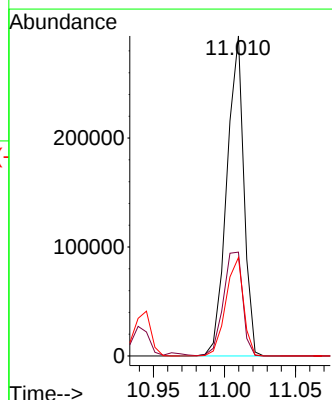
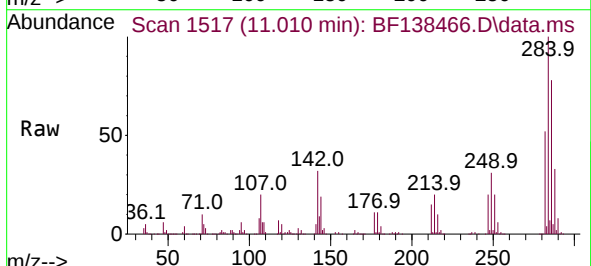
APPROVED

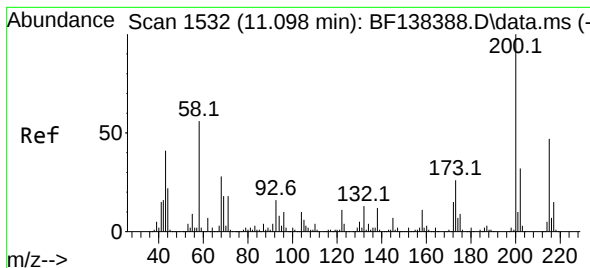
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#68  
Hexachlorobenzene  
Concen: 41.564 ng  
RT: 11.010 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:284 Resp: 244499  
Ion Ratio Lower Upper  
284 100  
142 32.5 29.2 43.8  
249 30.8 25.8 38.6





#69

Atrazine

Concen: 46.849 ng

RT: 11.098 min Scan# 11098

Delta R.T. -0.000 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

Tgt Ion:200 Resp: 202480

Ion Ratio Lower Upper

200 100

173 25.8 6.2 46.2

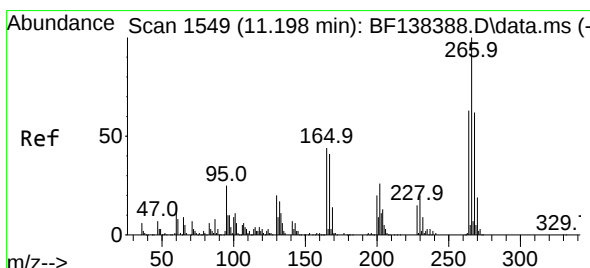
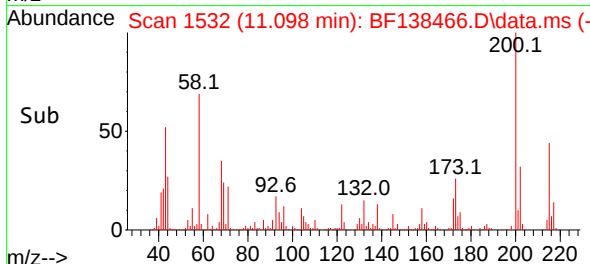
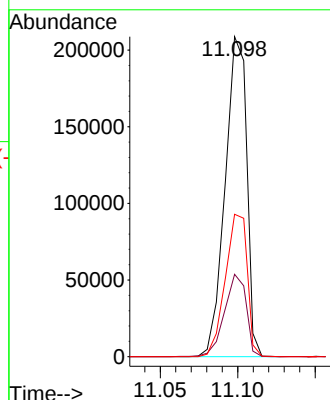
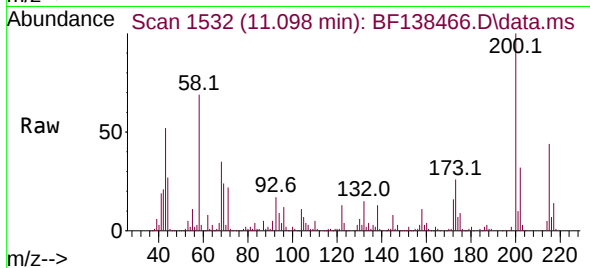
215 44.5 27.4 67.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#70

Pentachlorophenol

Concen: 92.816 ng

RT: 11.204 min Scan# 1550

Delta R.T. 0.006 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

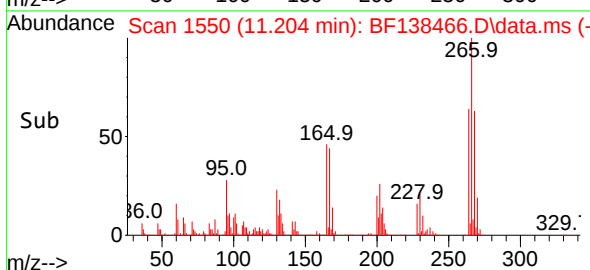
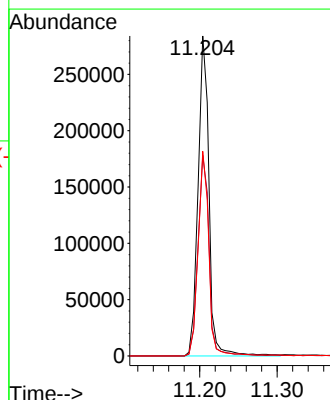
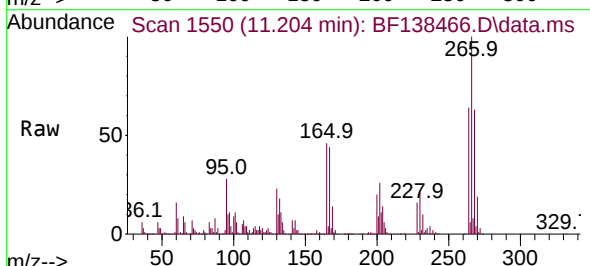
Tgt Ion:266 Resp: 277117

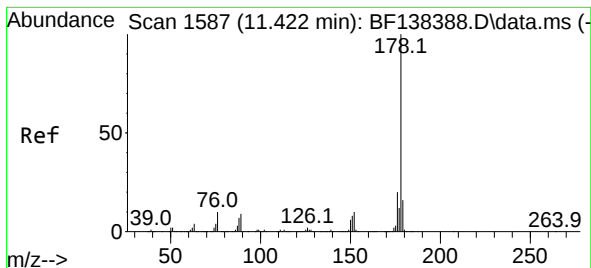
Ion Ratio Lower Upper

266 100

268 62.7 49.9 74.9

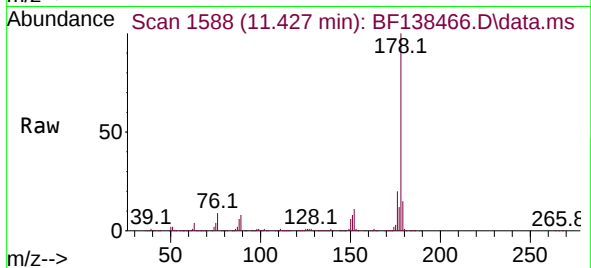
264 63.9 50.0 75.0





#71  
Phenanthrene  
Concen: 46.086 ng  
RT: 11.427 min Scan# 1117249  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

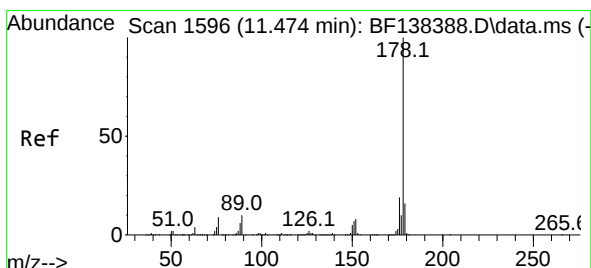
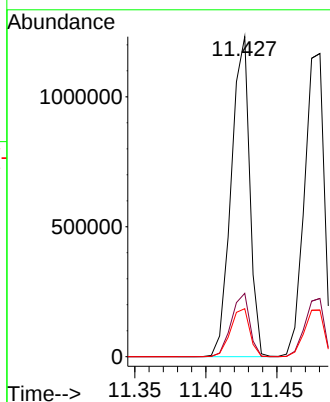
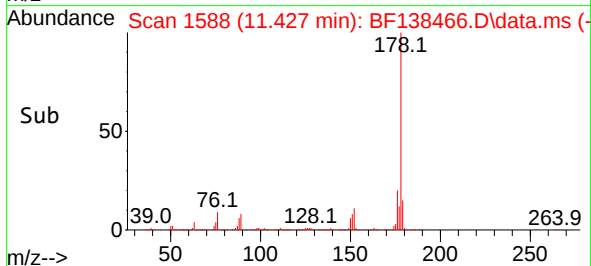
Instrument :  
BNA\_F  
ClientSampleId :  
PB161920BS



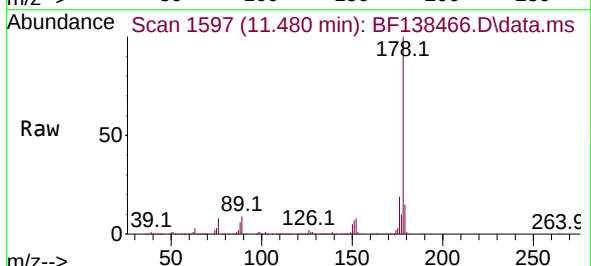
Tgt Ion:178 Resp: 1117249  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.1 24.1  
179 15.0 12.6 18.8

Manual Integrations  
APPROVED

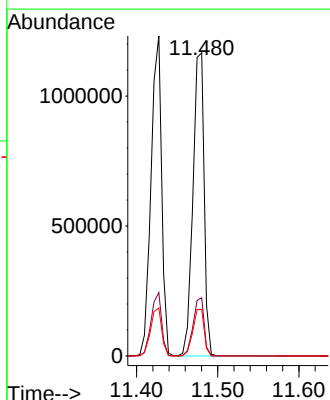
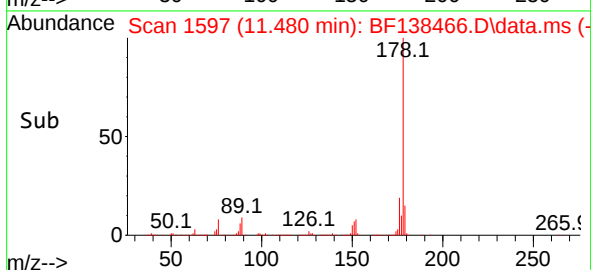
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024

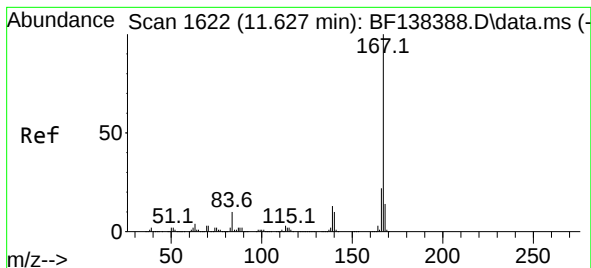


#72  
Anthracene  
Concen: 46.575 ng  
RT: 11.480 min Scan# 1597  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:178 Resp: 1126016  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.0 22.6  
179 15.3 12.7 19.1





#73

Carbazole

Concen: 46.225 ng

RT: 11.633 min Scan# 1623

Delta R.T. 0.006 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

Tgt Ion:167 Resp: 92780

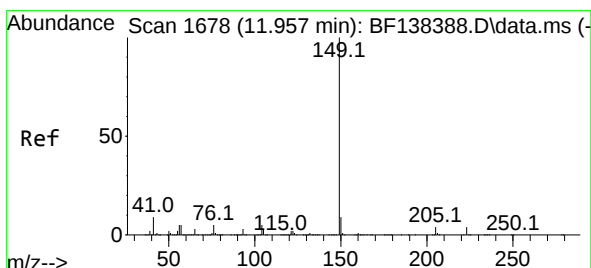
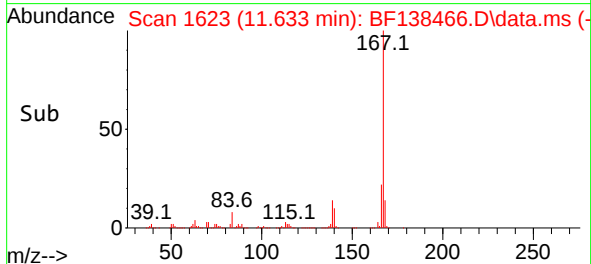
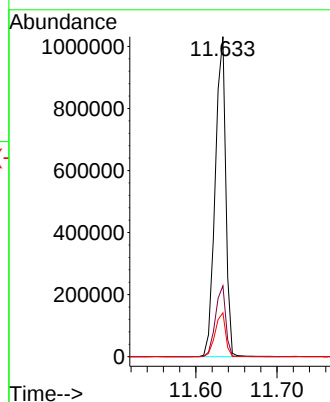
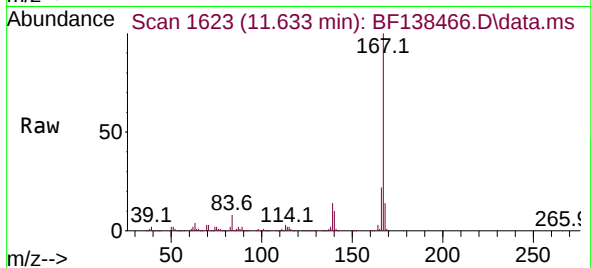
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.2  | 17.7  | 26.5  |
| 139 | 13.7  | 10.7  | 16.1  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#74

Di-n-butylphthalate

Concen: 45.501 ng

RT: 11.957 min Scan# 1678

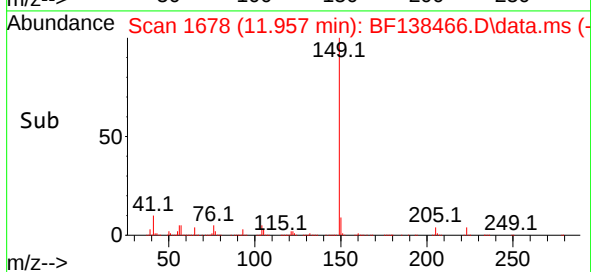
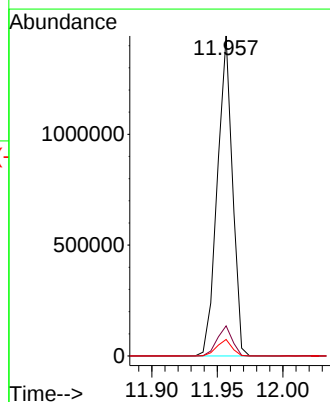
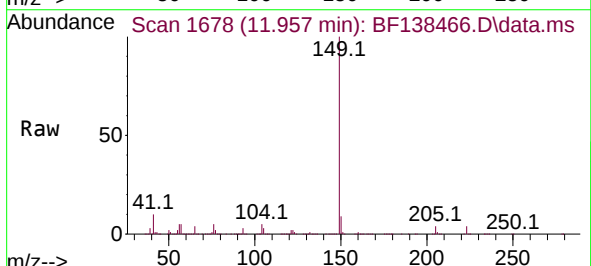
Delta R.T. -0.000 min

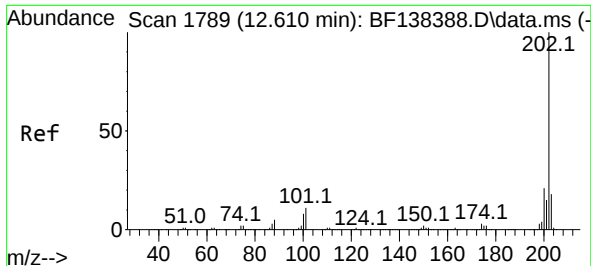
Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Tgt Ion:149 Resp: 1157390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.4   | 7.4   | 11.2  |
| 104 | 5.1   | 3.8   | 5.8   |





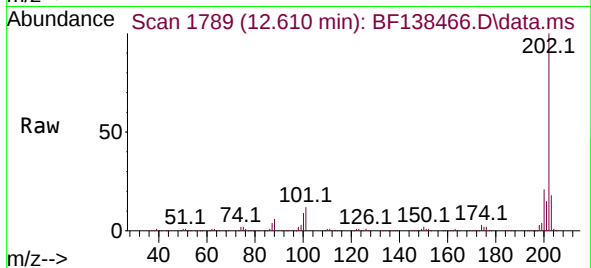
#75  
Fluoranthene  
Concen: 46.085 ng  
RT: 12.610 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



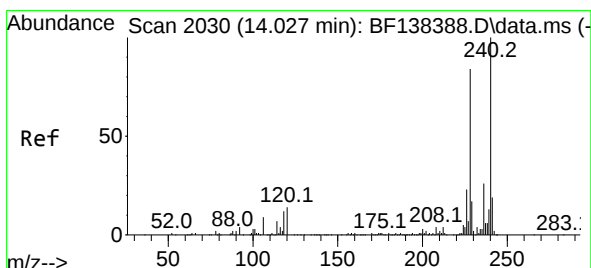
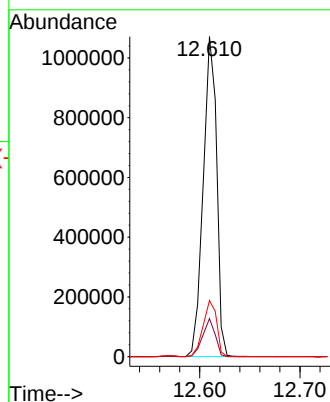
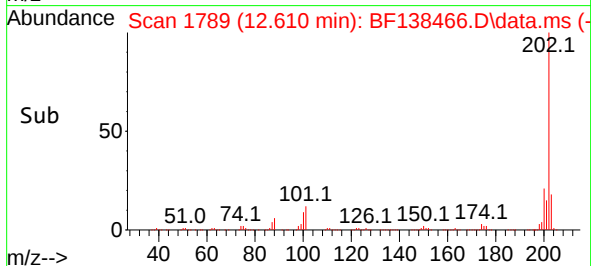
Tgt Ion:202 Resp: 1001610  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 30.5  
203 17.5 0.0 37.6

Manual Integrations

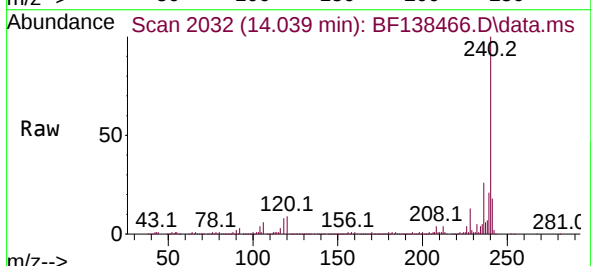
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

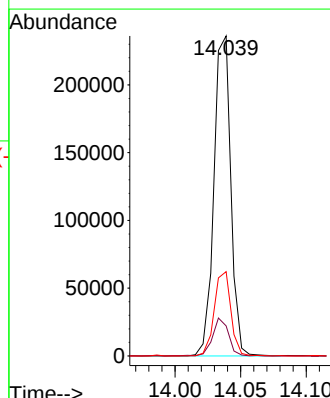
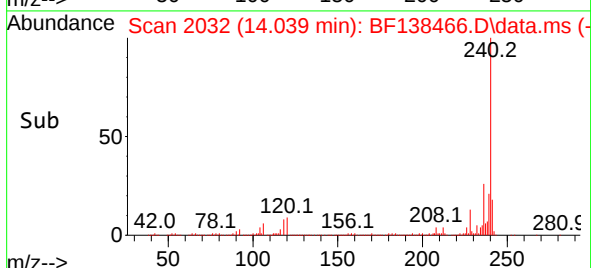
Supervised By :mohammad ahmed 07/08/2024

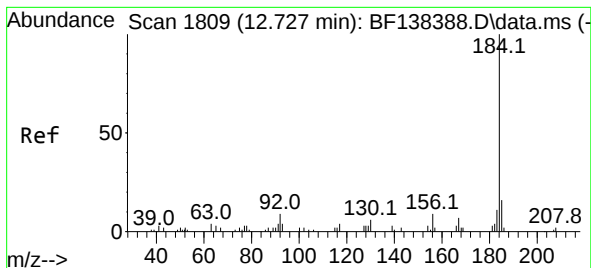


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2032  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:240 Resp: 211767  
Ion Ratio Lower Upper  
240 100  
120 9.4 10.9 16.3#  
236 26.3 20.6 30.8





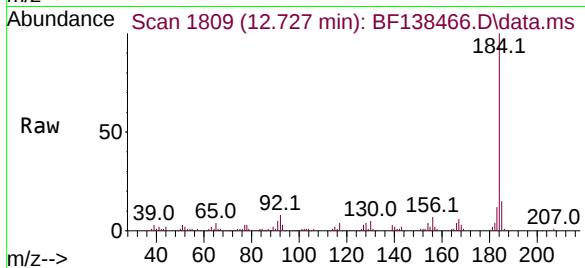
#77  
Benzidine  
Concen: 36.277 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



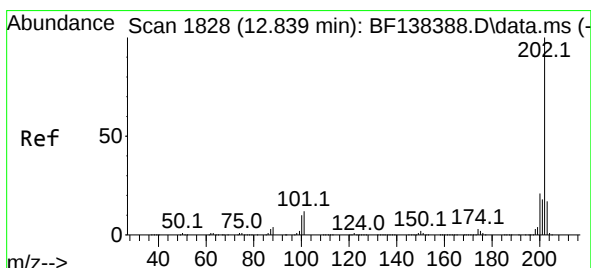
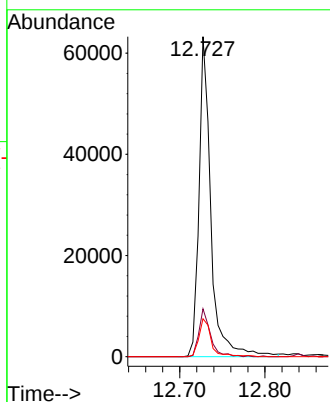
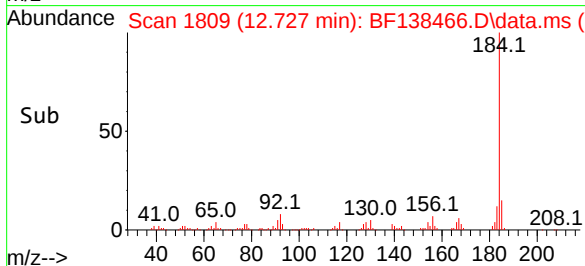
Tgt Ion:184 Resp: 6143  
Ion Ratio Lower Upper  
184 100  
185 15.0 13.0 19.4  
183 11.9 9.0 13.6

Manual Integrations

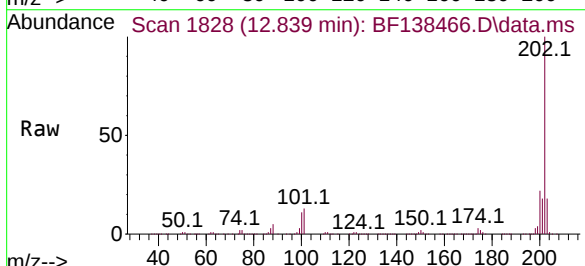
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

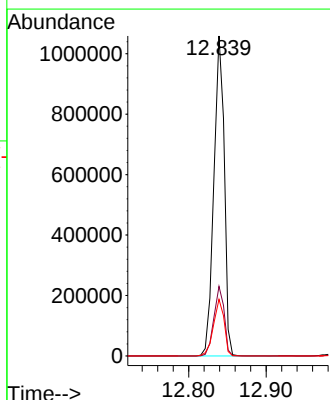
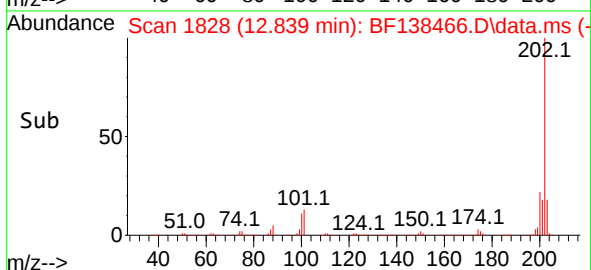
Supervised By :mohammad ahmed 07/08/2024

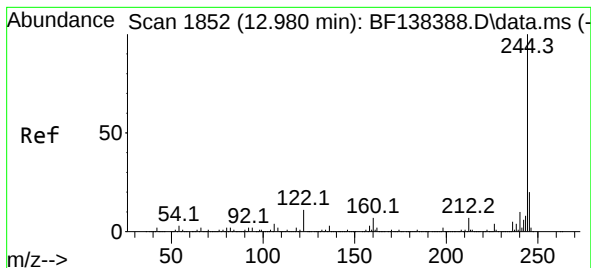


#78  
Pyrene  
Concen: 43.606 ng  
RT: 12.839 min Scan# 1828  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:202 Resp: 986950  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.9 25.3  
203 17.7 13.8 20.8





#79

Terphenyl-d14

Concen: 84.014 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF138466.D

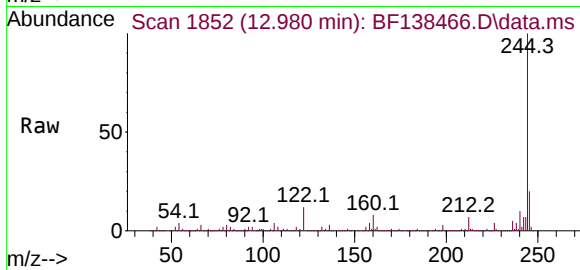
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



Tgt Ion:244 Resp: 1298249

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

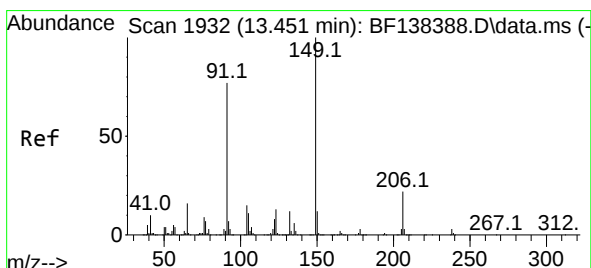
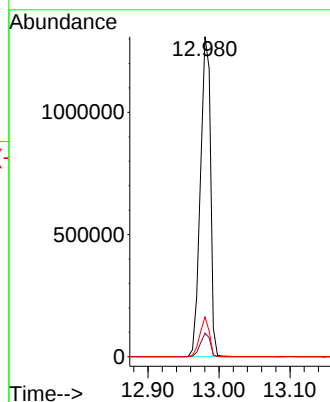
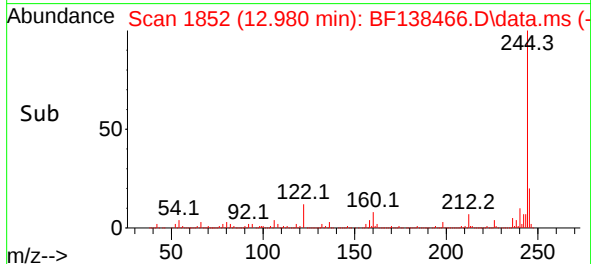
122 12.4 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#80

Butylbenzylphthalate

Concen: 46.128 ng

RT: 13.451 min Scan# 1932

Delta R.T. -0.000 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

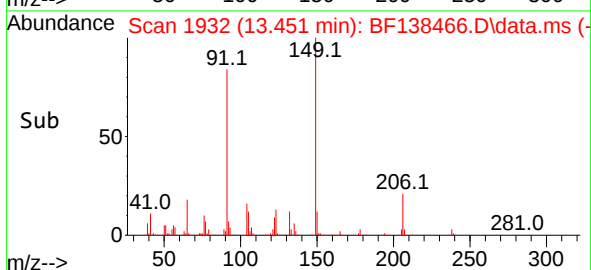
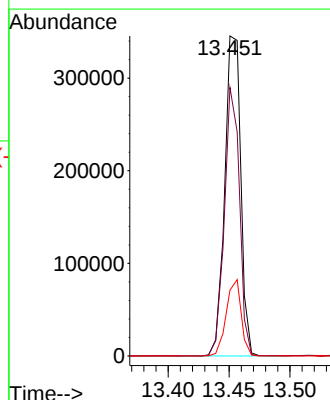
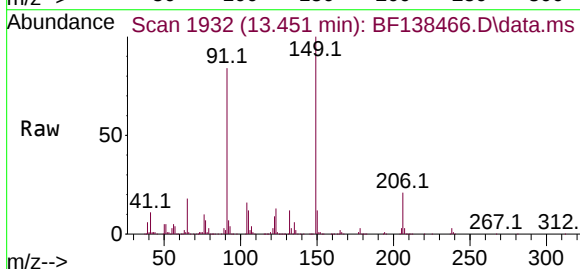
Tgt Ion:149 Resp: 317696

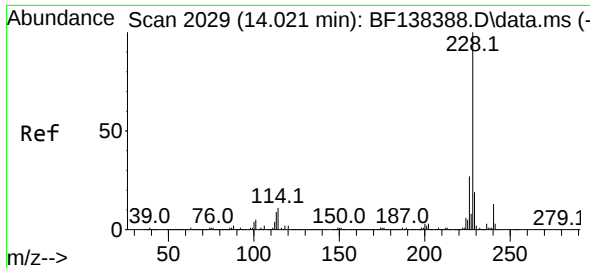
Ion Ratio Lower Upper

149 100

91 83.9 62.0 93.0

206 20.5 17.6 26.4





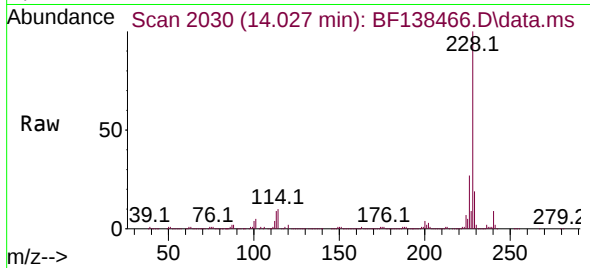
#81  
Benzo(a)anthracene  
Concen: 47.810 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



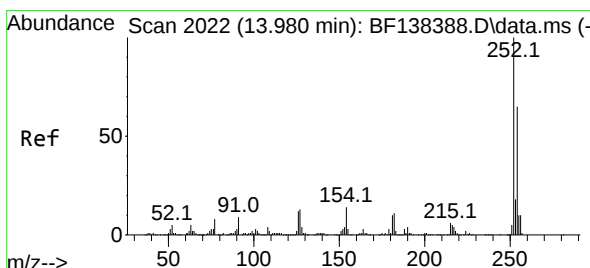
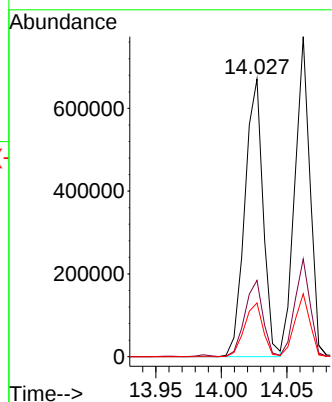
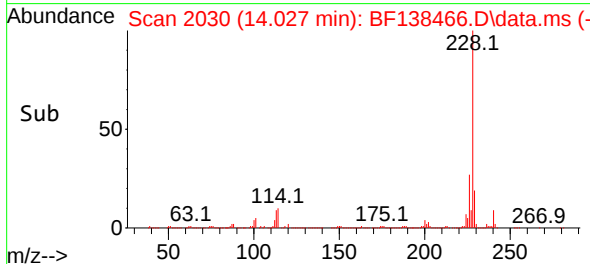
Tgt Ion:228 Resp: 65166  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 19.4 15.5 23.3

Manual Integrations

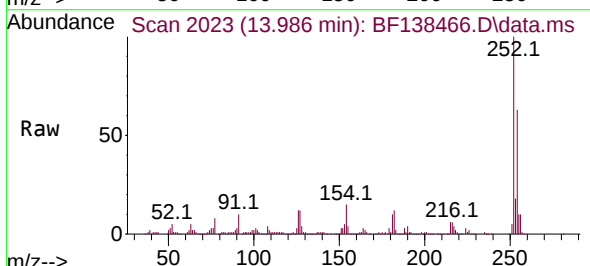
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

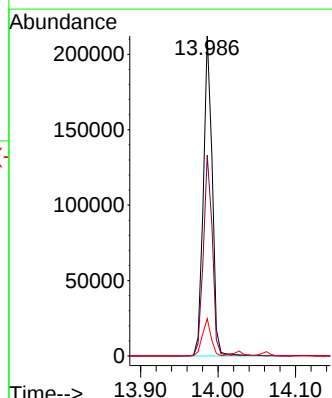
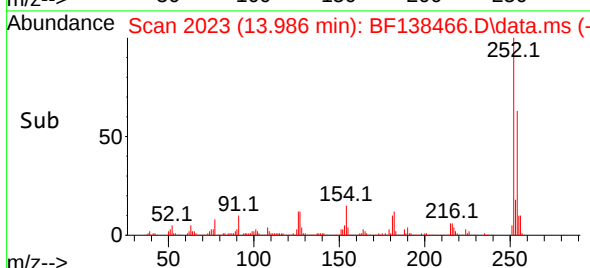
Supervised By :mohammad ahmed 07/08/2024

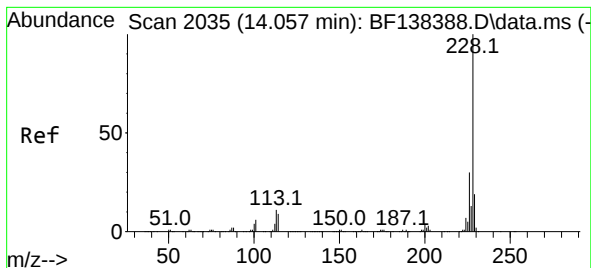


#82  
3,3'-Dichlorobenzidine  
Concen: 42.068 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:252 Resp: 169292  
Ion Ratio Lower Upper  
252 100  
254 62.8 51.8 77.6  
126 11.6 9.5 14.3





#83

Chrysene

Concen: 46.693 ng

RT: 14.062 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

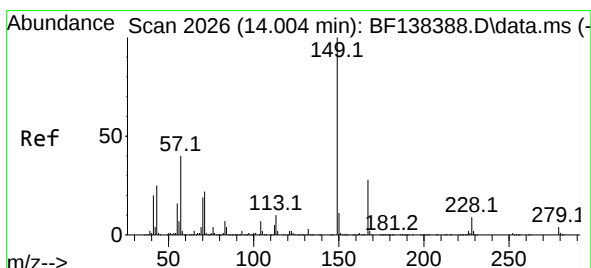
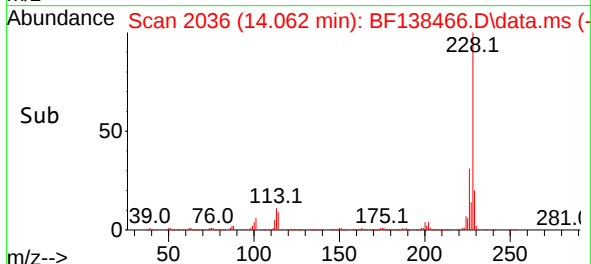
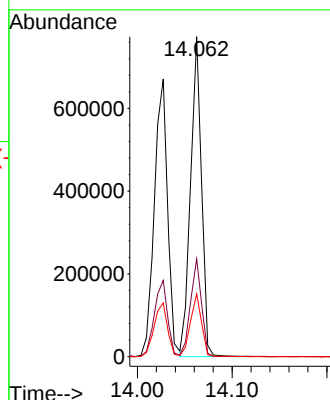
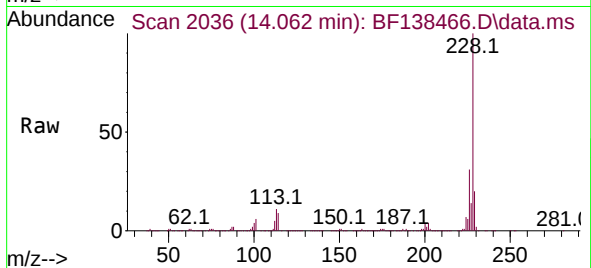
PB161920BS

Tgt Ion:228 Resp: 619294  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 23.8 35.6  
 229 19.6 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024  
 Supervised By :mohammad ahmed 07/08/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.118 ng

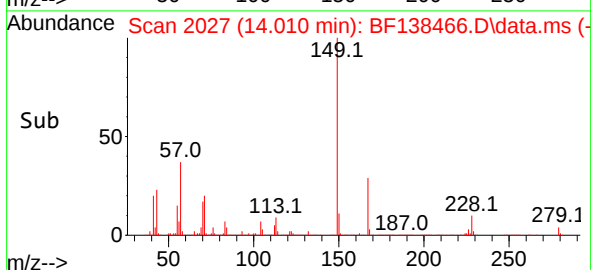
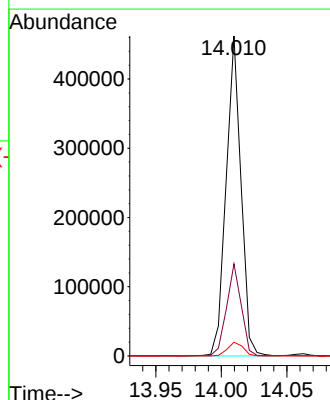
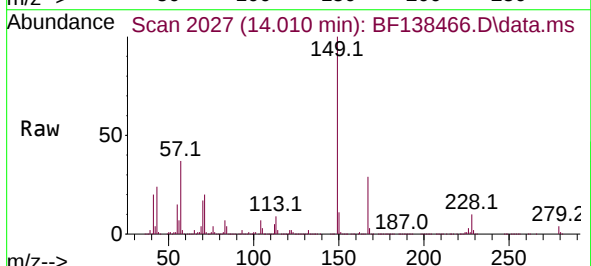
RT: 14.010 min Scan# 2027

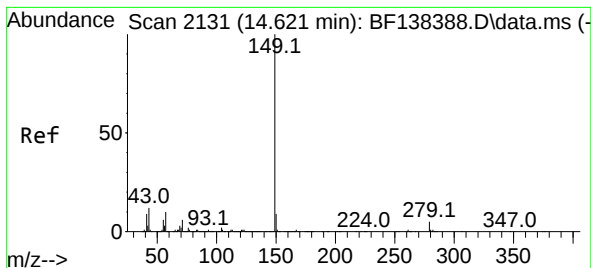
Delta R.T. 0.006 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Tgt Ion:149 Resp: 363777  
 Ion Ratio Lower Upper  
 149 100  
 167 28.8 22.6 33.8  
 279 4.3 3.2 4.8





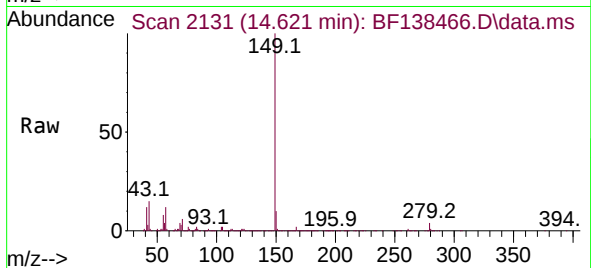
#85  
Di-n-octyl phthalate  
Concen: 43.111 ng  
RT: 14.621 min Scan# 2131  
Delta R.T. -0.000 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS



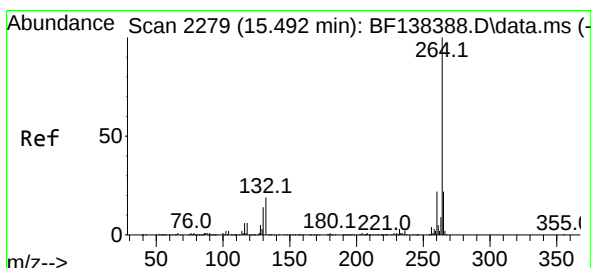
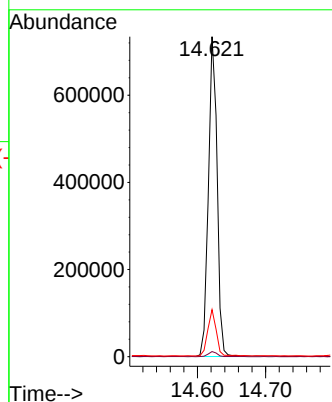
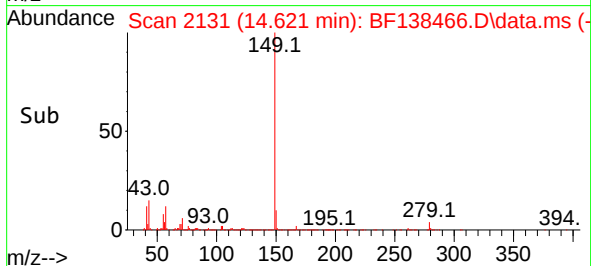
Tgt Ion:149 Resp: 65175  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.3 1.9  
43 14.2 10.9 16.3

Manual Integrations

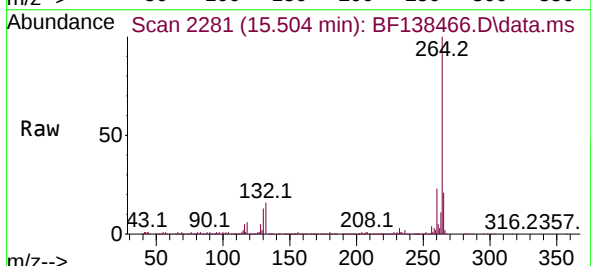
APPROVED

Reviewed By :Yogesh Patel 07/08/2024

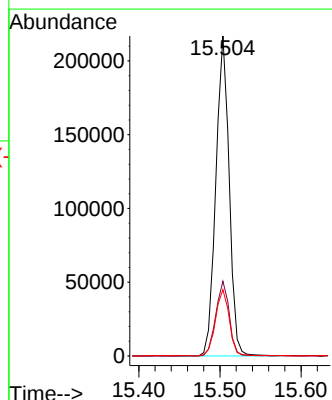
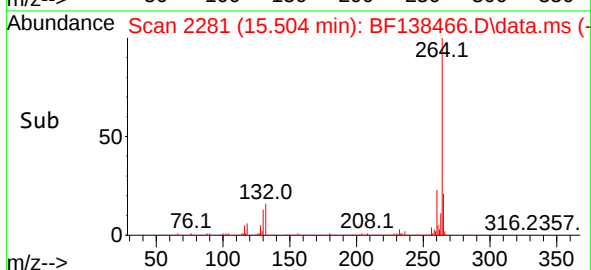
Supervised By :mohammad ahmed 07/08/2024

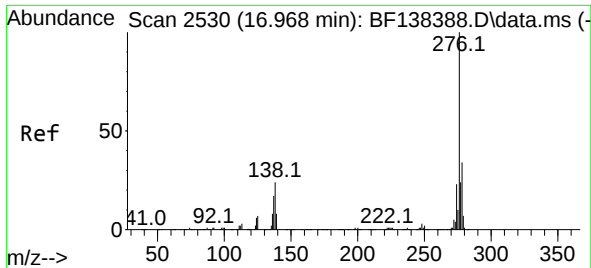


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.504 min Scan# 2281  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53



Tgt Ion:264 Resp: 247080  
Ion Ratio Lower Upper  
264 100  
260 23.3 17.8 26.6  
265 20.7 17.5 26.3





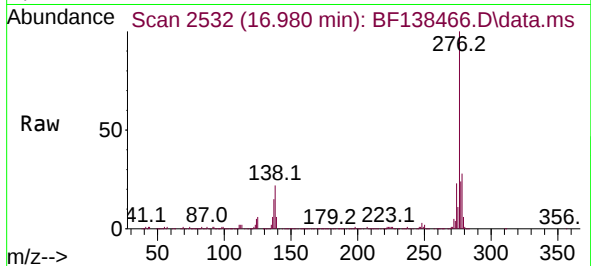
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 52.318 ng  
RT: 16.980 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

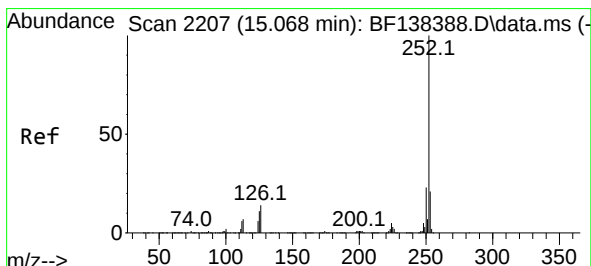
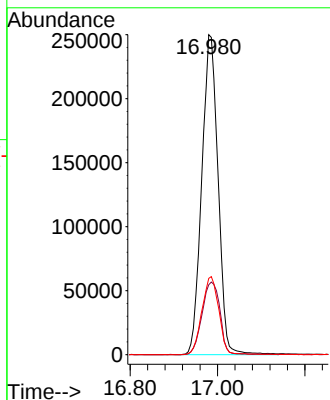
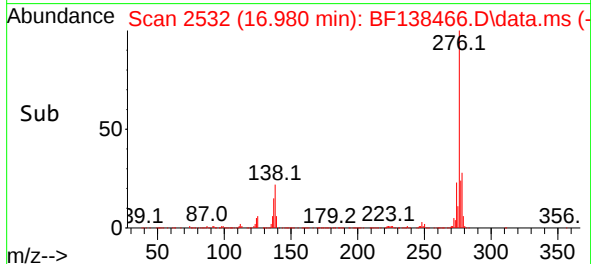


Tgt Ion:276 Resp: 649510  
Ion Ratio Lower Upper  
276 100  
138 24.7 22.1 33.1  
277 25.2 20.4 30.6

Manual Integrations

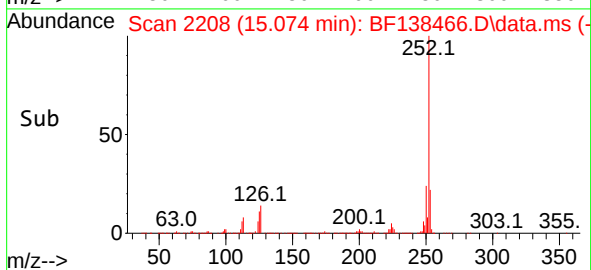
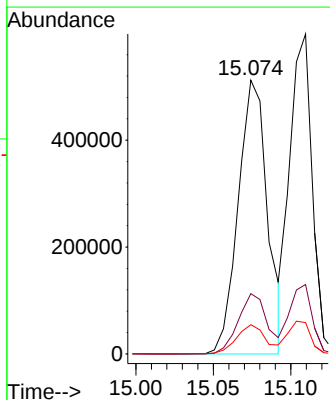
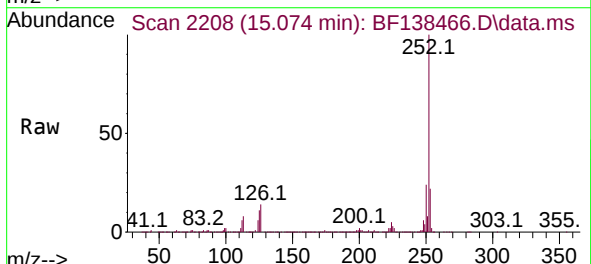
APPROVED

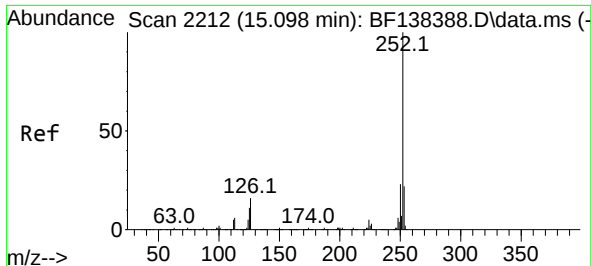
Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#88  
Benzo(b)fluoranthene  
Concen: 49.732 ng  
RT: 15.074 min Scan# 2208  
Delta R.T. 0.006 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:252 Resp: 674188  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.0 25.4  
125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 48.521 ng

RT: 15.109 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

ClientSampleId :

PB161920BS

Tgt Ion:252 Resp: 60585

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

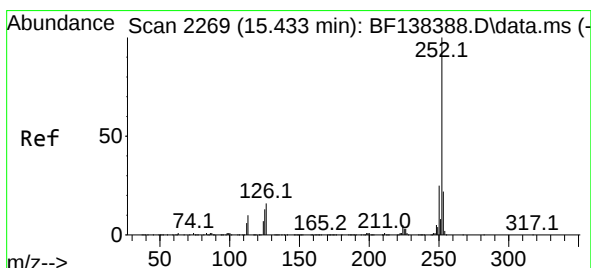
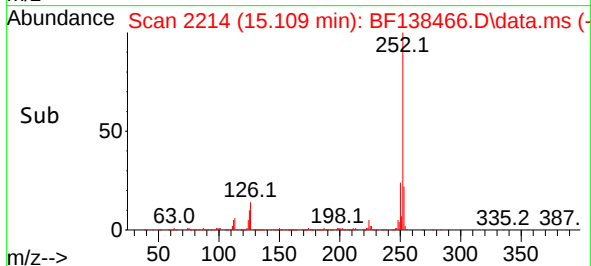
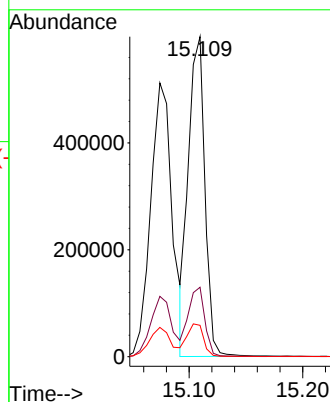
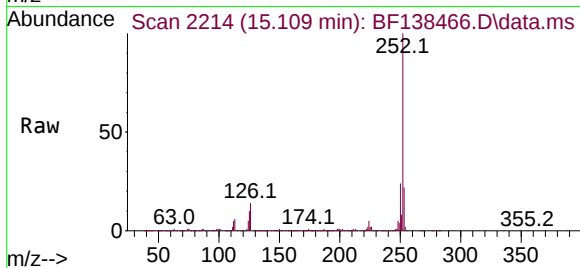
125 9.8 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/08/2024

Supervised By :mohammad ahmed 07/08/2024



#90

Benzo(a)pyrene

Concen: 51.412 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF138466.D

Acq: 05 Jul 2024 13:53

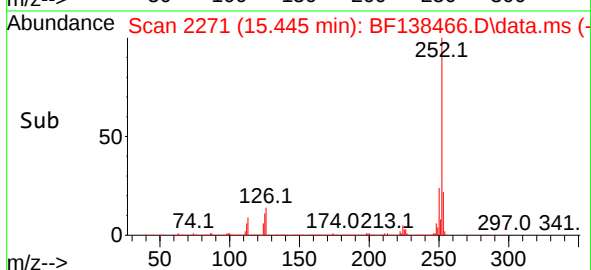
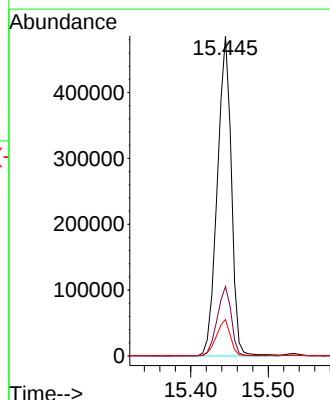
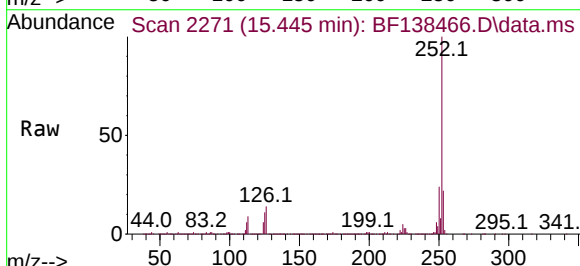
Tgt Ion:252 Resp: 610895

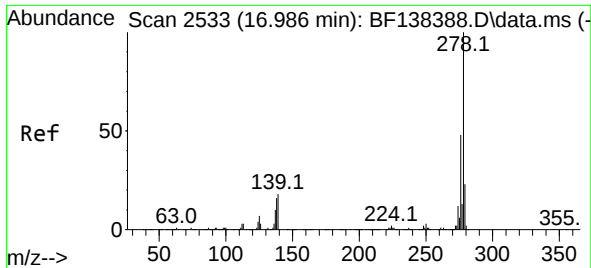
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 11.4 10.2 15.2





#91  
Dibenzo(a,h)anthracene  
Concen: 52.080 ng  
RT: 17.003 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Instrument :

BNA\_F

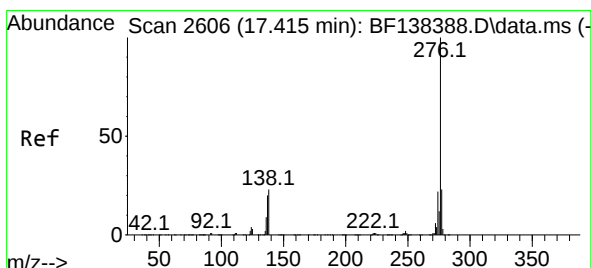
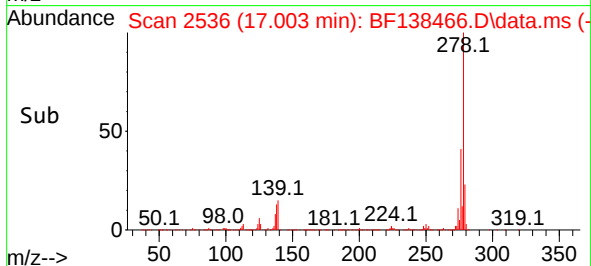
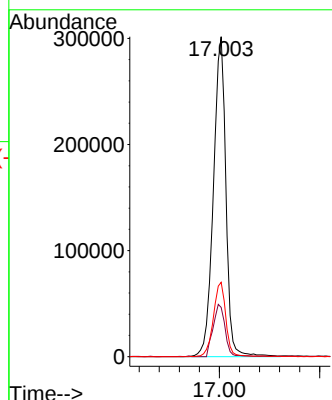
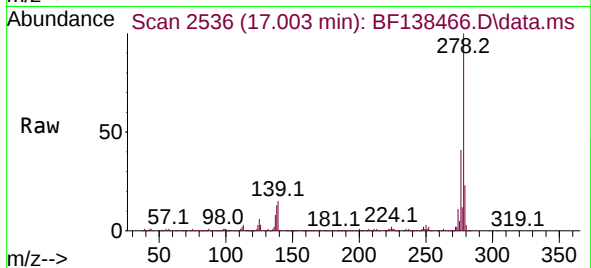
ClientSampleId :

PB161920BS

Tgt Ion:278 Resp: 52189  
Ion Ratio Lower Upper  
278 100  
139 15.4 14.3 21.5  
279 23.3 18.5 27.7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/08/2024  
Supervised By :mohammad ahmed 07/08/2024



#92  
Benzo(g,h,i)perylene  
Concen: 49.537 ng  
RT: 17.433 min Scan# 2609  
Delta R.T. 0.018 min  
Lab File: BF138466.D  
Acq: 05 Jul 2024 13:53

Tgt Ion:276 Resp: 485625  
Ion Ratio Lower Upper  
276 100  
277 22.7 18.3 27.5  
138 21.2 18.3 27.5

