

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071024\  
 Data File : BF138496.D  
 Acq On : 10 Jul 2024 12:23  
 Operator : CG\JU  
 Sample : PB161493BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161493BSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 13:26:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.863  | 152  | 103416   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 434306   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 232253   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 440947   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.027 | 240  | 228856   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 191780   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 612471   | 93.796  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 816900   | 94.042  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 774480   | 87.554  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 214311   | 98.732  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 1346512  | 90.611  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1447293  | 103.026 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 112891   | 39.036  | ng    | 100      |
| 3) Pyridine                   | 3.475  | 79   | 288361   | 40.433  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.452  | 42   | 220152   | 47.419  | ng    | 96       |
| 6) Aniline                    | 6.528  | 93   | 340052   | 41.795  | ng    | 92       |
| 8) 2-Chlorophenol             | 6.657  | 128  | 348468   | 50.469  | ng    | 97       |
| 9) Benzaldehyde               | 6.416  | 77   | 45413    | 9.767   | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 452810   | 49.110  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 336755   | 48.510  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 352406   | 45.407  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 355556   | 45.114  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.034  | 146  | 342494   | 46.659  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 334678   | 51.339  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140  | 45   | 671830   | 49.213  | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 280472   | 49.565  | ng    | 98       |
| 18) Hexachloroethane          | 7.375  | 117  | 134983   | 46.589  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 263890   | 49.165  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 343610   | 48.221  | ng    | # 88     |
| 22) Acetophenone              | 7.275  | 105  | 468431   | 44.409  | ng    | # 95     |
| 24) Nitrobenzene              | 7.451  | 77   | 398761   | 44.360  | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 733937   | 48.314  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.763  | 139  | 188325   | 48.880  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 309179   | 65.292  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 427155   | 47.050  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 295021   | 47.977  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.087  | 180  | 315699   | 44.071  | ng    | 98       |
| 31) Naphthalene               | 8.169  | 128  | 1007339  | 44.597  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 214494   | 47.492  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.216  | 127  | 221826   | 27.990  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.281  | 225  | 187610   | 42.531  | ng    | 98       |
| 35) Caprolactam               | 8.598  | 113  | 98403m   | 49.592  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 330263   | 47.974  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 649109   | 44.656  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 615369   | 43.378  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 297660   | 45.985  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.010  | 237  | 372732   | 177.404 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 205934   | 49.875  | ng    | 97       |

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Instrument :  
 BNA\_F  
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Manual Integrations  
 APPROVED

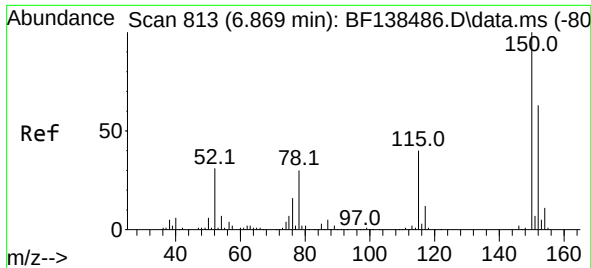
Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024

Quant Time: Jul 10 13:26:05 2024  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 221488   | 48.771  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 819190   | 46.542  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 624721   | 46.982  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 238401   | 51.739  | ng    | 96       |
| 49) Acenaphthylene            | 9.769  | 152  | 940844   | 49.837  | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 768096   | 51.145  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 171331   | 49.549  | ng    | 90       |
| 52) Acenaphthene              | 9.939  | 154  | 609094   | 48.537  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 121731   | 34.348  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 200962   | 106.639 | ng    | # 82     |
| 55) Dibenzofuran              | 10.110 | 168  | 884090   | 48.572  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 296855   | 113.520 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 229381   | 51.270  | ng    | 97       |
| 58) Fluorene                  | 10.457 | 166  | 695693   | 48.305  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232  | 188383   | 52.560  | ng    | 98       |
| 60) Diethylphthalate          | 10.328 | 149  | 726764   | 50.198  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 342777   | 47.397  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 175900   | 49.530  | ng    | 99       |
| 63) Azobenzene                | 10.604 | 77   | 763656   | 49.060  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 136517   | 53.619  | ng    | 81       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 615165   | 46.564  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 209726   | 46.276  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 224287   | 44.547  | ng    | 99       |
| 69) Atrazine                  | 11.092 | 200  | 216169   | 49.353  | ng    | 97       |
| 70) Pentachlorophenol         | 11.198 | 266  | 264523   | 88.788  | ng    | 98       |
| 71) Phenanthrene              | 11.416 | 178  | 1044763  | 46.899  | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 1053270  | 47.630  | ng    | 99       |
| 73) Carbazole                 | 11.622 | 167  | 932957   | 46.947  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.945 | 149  | 1111829  | 48.537  | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 1058469  | 46.564  | ng    | 98       |
| 77) Benzidine                 | 12.722 | 184  | 176996   | 30.654  | ng    | 100      |
| 78) Pyrene                    | 12.833 | 202  | 1071817  | 46.135  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 389702   | 55.762  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.016 | 228  | 738892   | 48.117  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 169257   | 42.775  | ng    | # 99     |
| 83) Chrysene                  | 14.051 | 228  | 687187   | 47.304  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.998 | 149  | 426948   | 57.282  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.610 | 149  | 559427   | 47.511  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.962 | 276  | 686738   | 53.310  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 549488   | 50.876  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 513466   | 48.746  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 470896   | 49.632  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.980 | 278  | 570288   | 54.120  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.410 | 276  | 575470   | 51.501  | ng    | 96       |

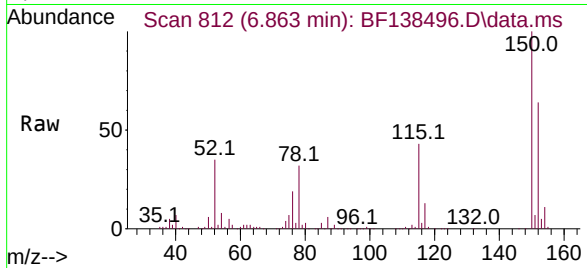
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

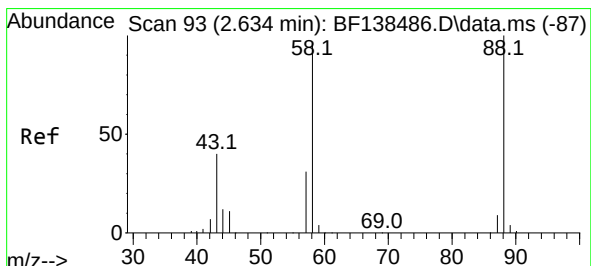
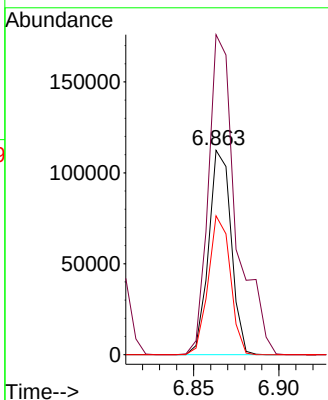
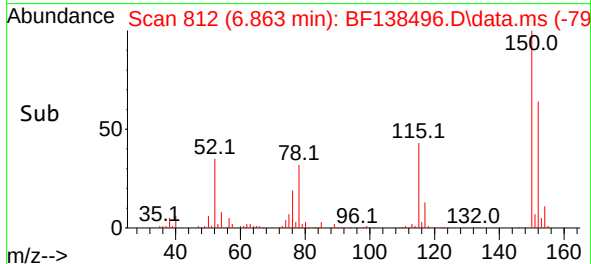
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion:152 Resp: 103410  
Ion Ratio Lower Upper  
152 100  
150 156.6 126.2 189.4  
115 67.9 50.3 75.5

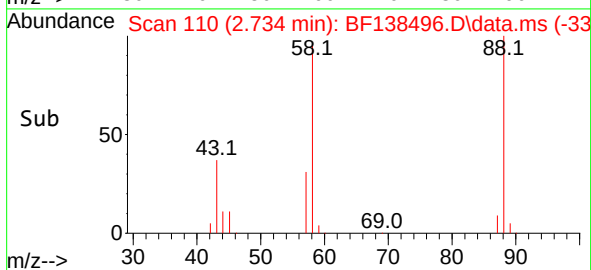
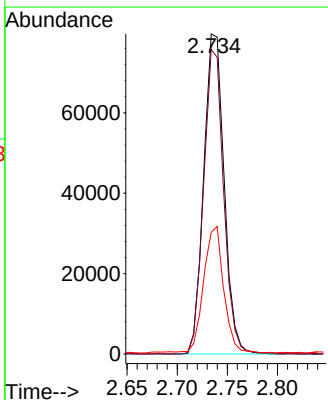
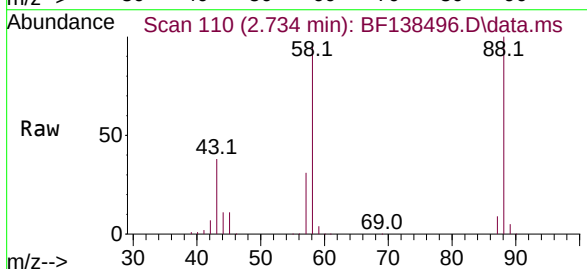
Manual Integrations  
APPROVED

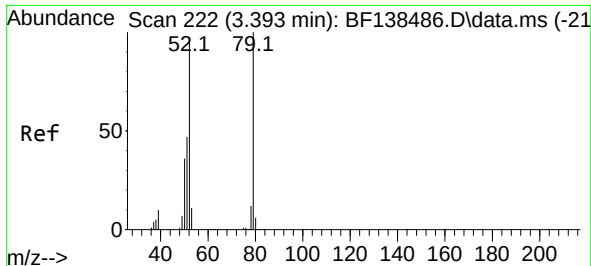
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#2  
1,4-Dioxane  
Concen: 39.036 ng  
RT: 2.734 min Scan# 110  
Delta R.T. 0.100 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion: 88 Resp: 112891  
Ion Ratio Lower Upper  
88 100  
58 93.5 74.6 112.0  
43 39.2 31.8 47.6





#3

Pyridine

Concen: 40.433 ng

RT: 3.475 min Scan# 21

Delta R.T. 0.083 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion: 79 Resp: 28836

Ion Ratio Lower Upper

79 100

52 99.1 77.4 116.2

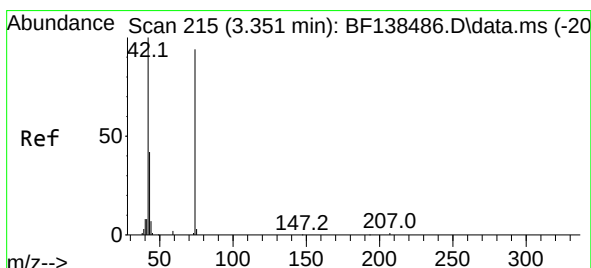
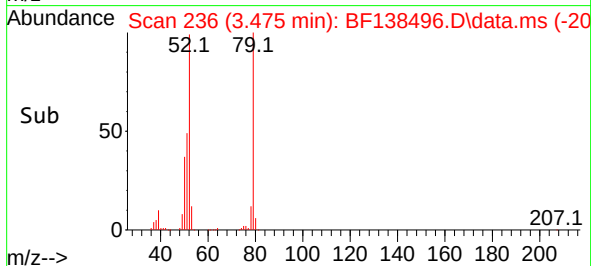
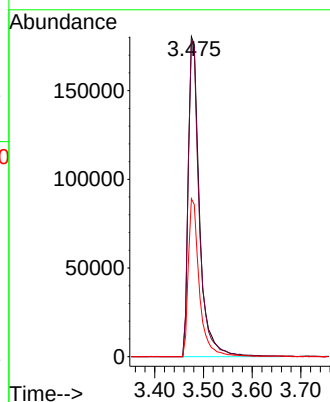
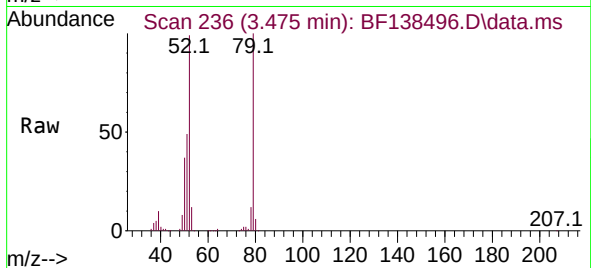
51 49.3 37.4 56.0

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 47.419 ng

RT: 3.452 min Scan# 232

Delta R.T. 0.100 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

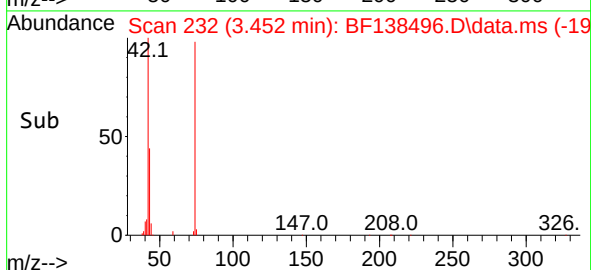
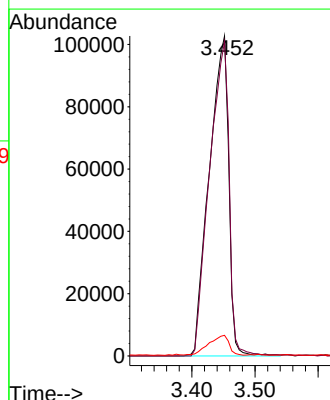
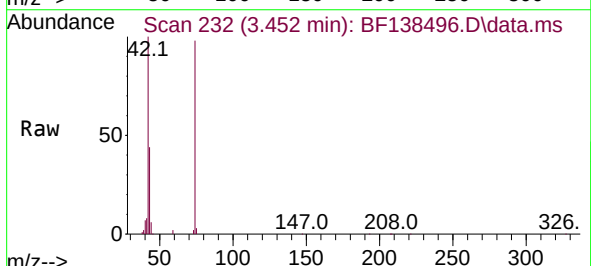
Tgt Ion: 42 Resp: 220152

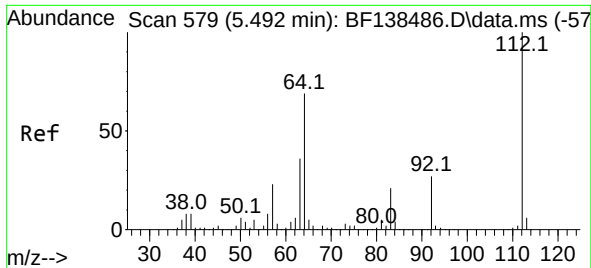
Ion Ratio Lower Upper

42 100

74 98.2 75.0 112.6

44 6.5 5.4 8.2





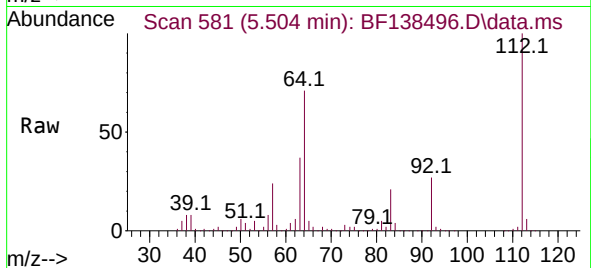
#5  
2-Fluorophenol  
Concen: 93.796 ng  
RT: 5.504 min Scan# 581  
Delta R.T. 0.012 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

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PB161493BSD



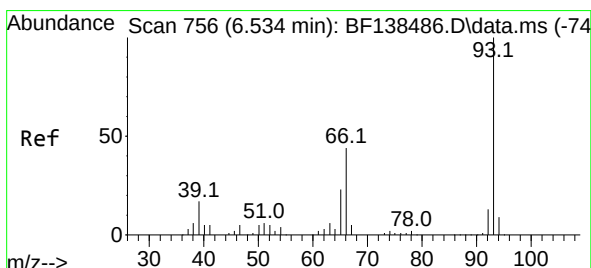
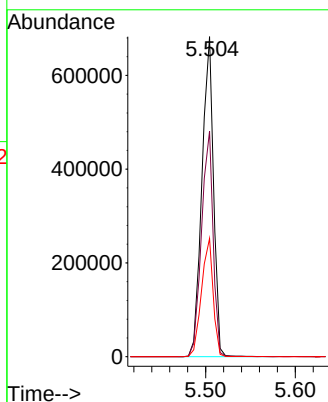
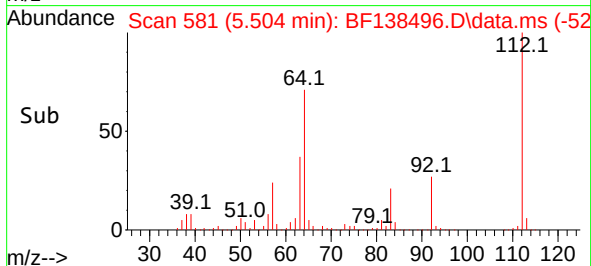
Tgt Ion:112 Resp: 61247  
Ion Ratio Lower Upper  
112 100  
64 70.5 55.1 82.7  
63 37.0 29.0 43.6

Manual Integrations

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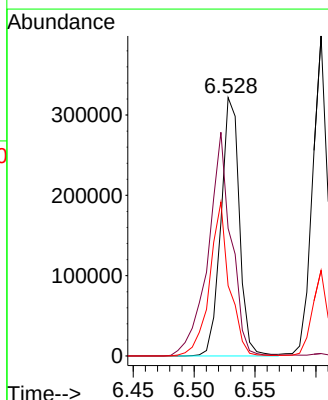
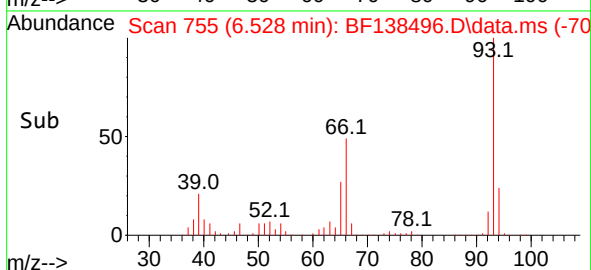
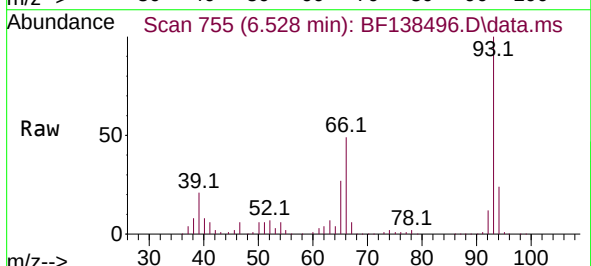
Reviewed By :Yogesh Patel 07/11/2024

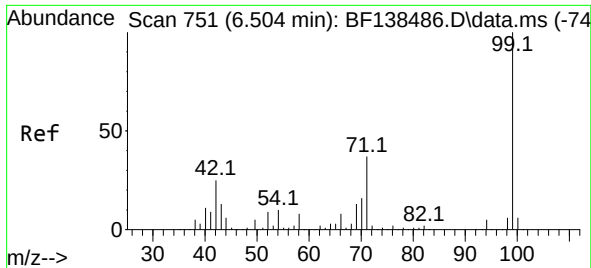
Supervised By :mohammad ahmed 07/11/2024



#6  
Aniline  
Concen: 41.795 ng  
RT: 6.528 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion: 93 Resp: 340052  
Ion Ratio Lower Upper  
93 100  
66 49.4 35.4 53.0  
65 27.2 18.6 27.8





#7

Phenol-d6

Concen: 94.042 ng

RT: 6.504 min Scan# 751

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion: 99 Resp: 816900

Ion Ratio Lower Upper

99 100

42 24.4 19.7 29.5

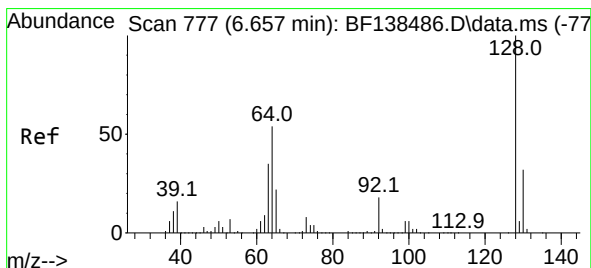
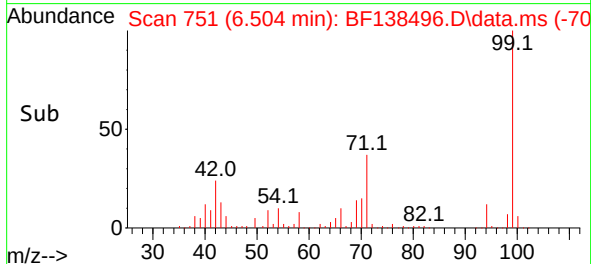
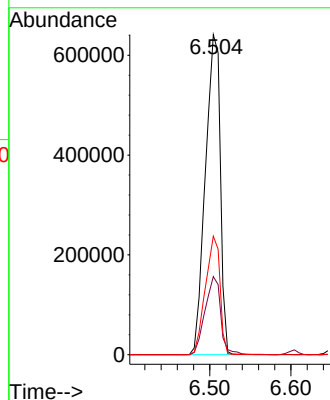
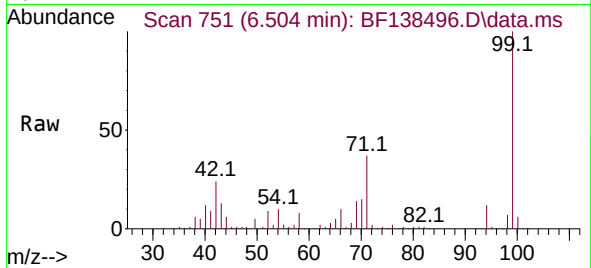
71 37.1 29.9 44.9

Manual Integrations

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Supervised By :mohammad ahmed 07/11/2024



#8

2-Chlorophenol

Concen: 50.469 ng

RT: 6.657 min Scan# 777

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

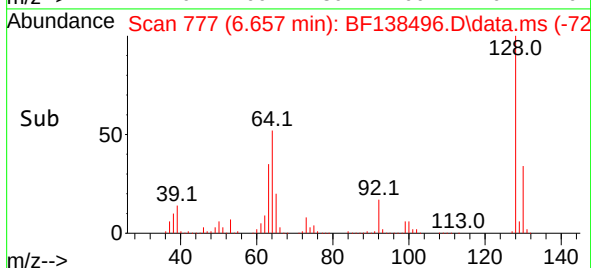
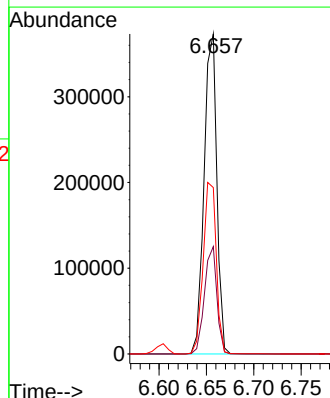
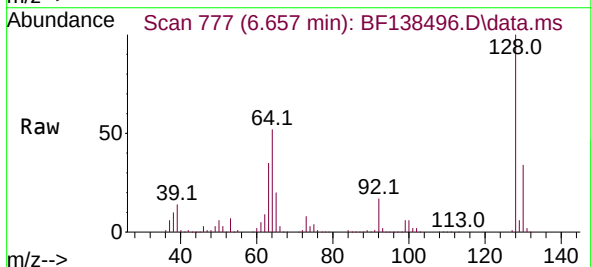
Tgt Ion:128 Resp: 348468

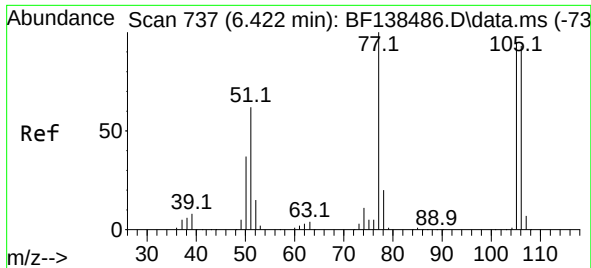
Ion Ratio Lower Upper

128 100

130 33.5 12.1 52.1

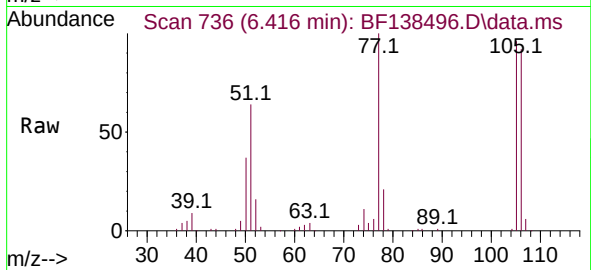
64 52.0 34.4 74.4





#9  
Benzaldehyde  
Concen: 9.767 ng  
RT: 6.416 min Scan# 736  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

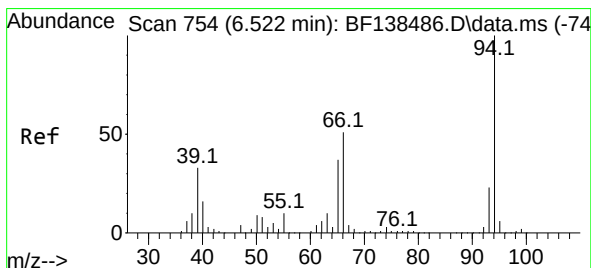
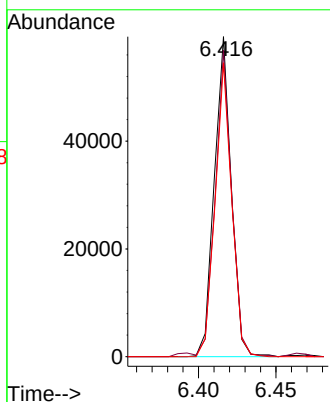
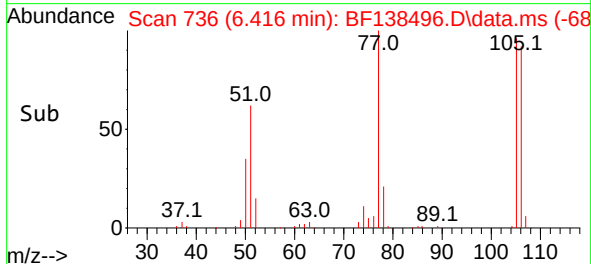
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion: 77 Resp: 4541  
Ion Ratio Lower Upper  
77 100  
105 95.8 75.1 115.1  
106 91.9 73.2 113.2

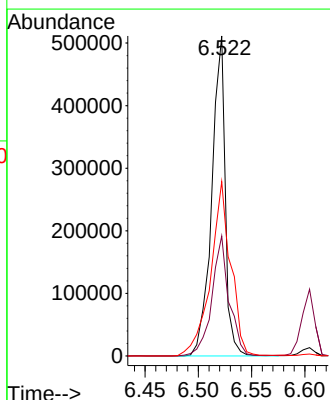
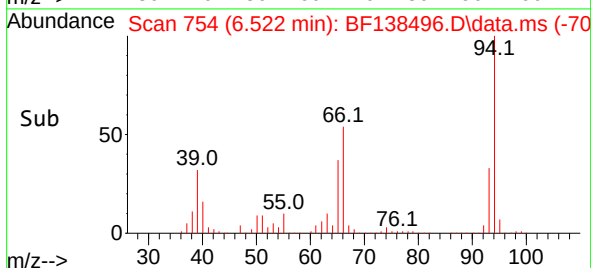
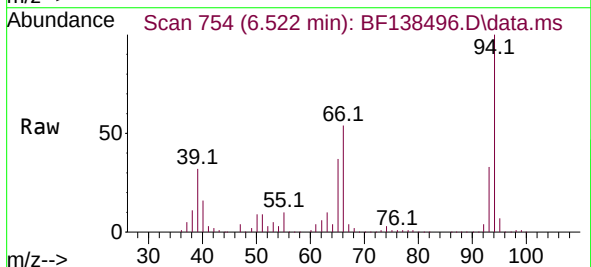
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

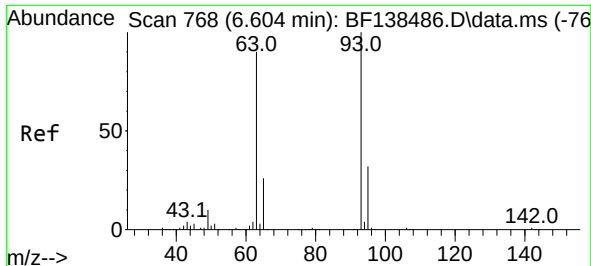


#10  
Phenol  
Concen: 49.110 ng  
RT: 6.522 min Scan# 754  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion: 94 Resp: 452810  
Ion Ratio Lower Upper  
94 100  
65 37.5 16.7 56.7  
66 54.5 31.2 71.2







#11  
bis(2-Chloroethyl)ether  
Concen: 48.510 ng  
RT: 6.604 min Scan# 768  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

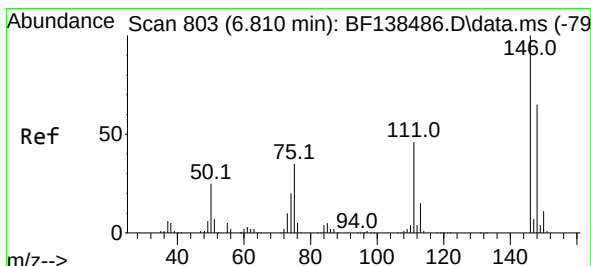
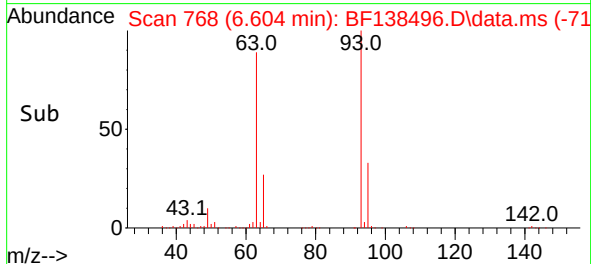
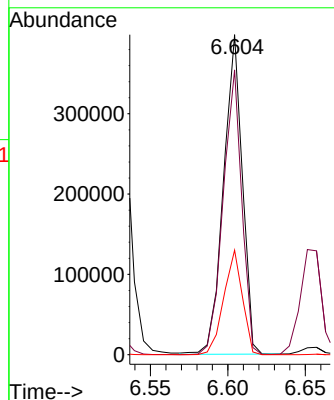
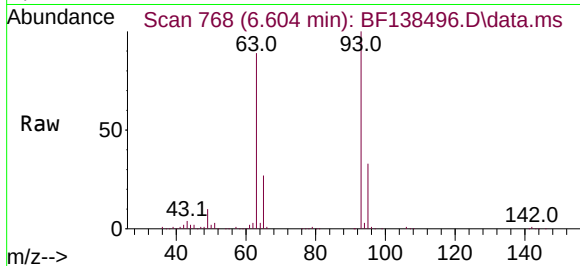
ClientSampleId :

PB161493BSD

Tgt Ion: 93 Resp: 33675  
Ion Ratio Lower Upper  
93 100  
63 89.0 68.8 108.8  
95 32.6 11.8 51.8

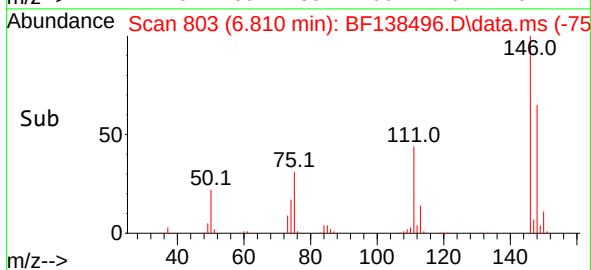
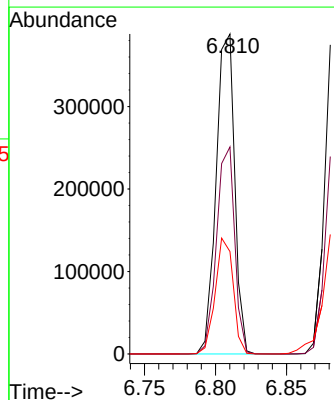
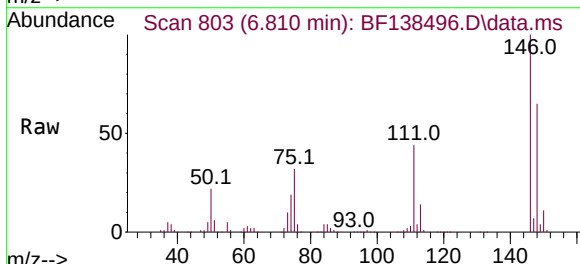
Manual Integrations  
APPROVED

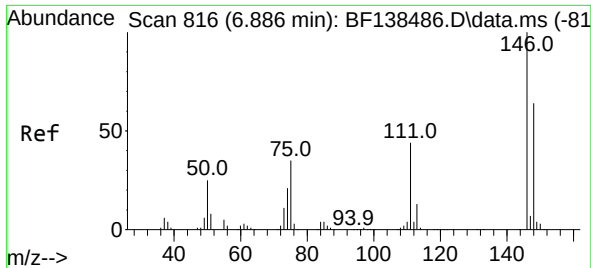
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#12  
1,3-Dichlorobenzene  
Concen: 45.407 ng  
RT: 6.810 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

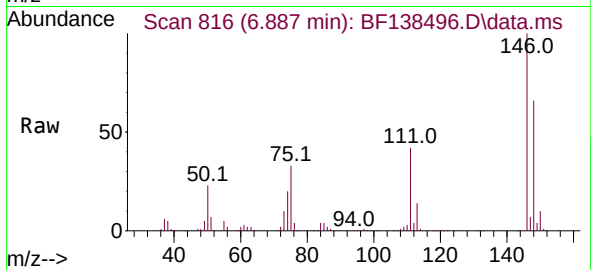
Tgt Ion:146 Resp: 352406  
Ion Ratio Lower Upper  
146 100  
148 64.7 52.4 78.6  
75 32.0 27.8 41.8





#13  
1,4-Dichlorobenzene  
Concen: 45.114 ng  
RT: 6.887 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

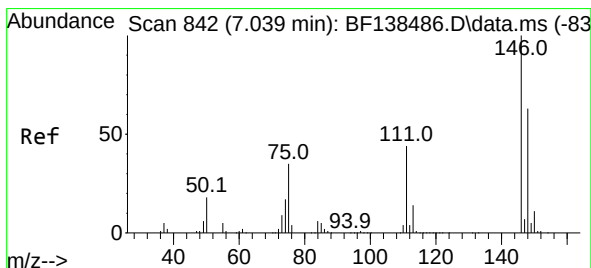
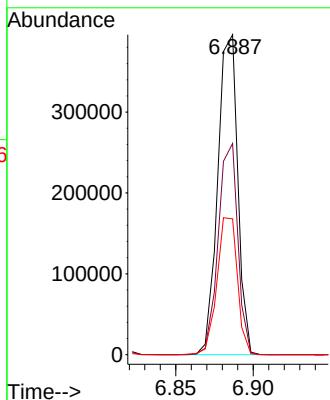
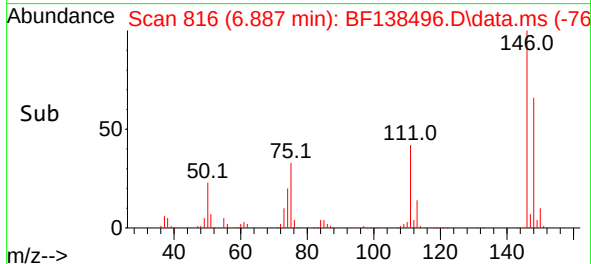
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



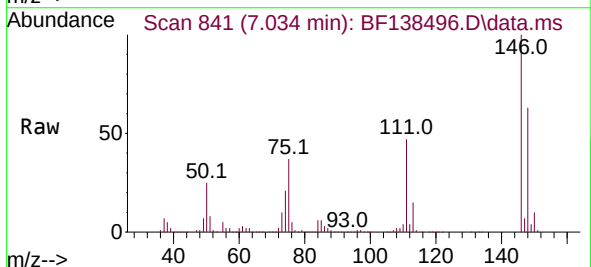
Tgt Ion:146 Resp: 355550  
Ion Ratio Lower Upper  
146 100  
148 66.0 51.6 77.4  
111 42.4 34.9 52.3

Manual Integrations  
APPROVED

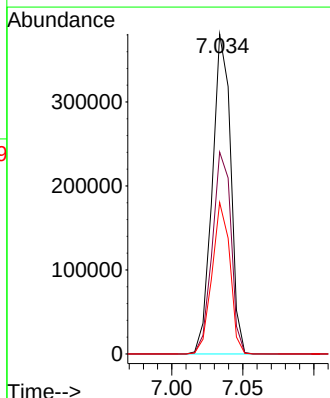
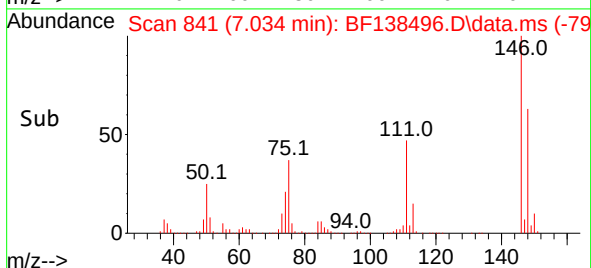
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

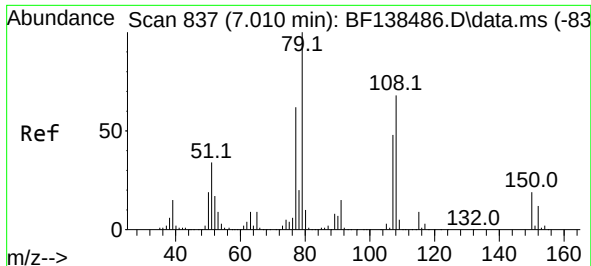


#14  
1,2-Dichlorobenzene  
Concen: 46.659 ng  
RT: 7.034 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



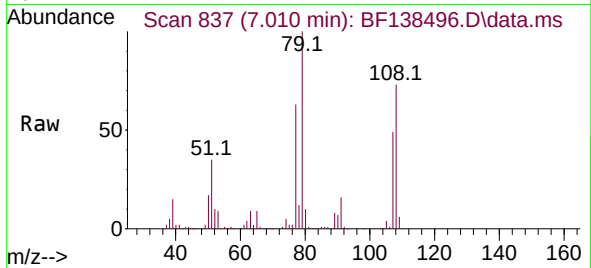
Tgt Ion:146 Resp: 342494  
Ion Ratio Lower Upper  
146 100  
148 63.1 50.1 75.1  
111 47.3 35.5 53.3





#15  
Benzyl Alcohol  
Concen: 51.339 ng  
RT: 7.010 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

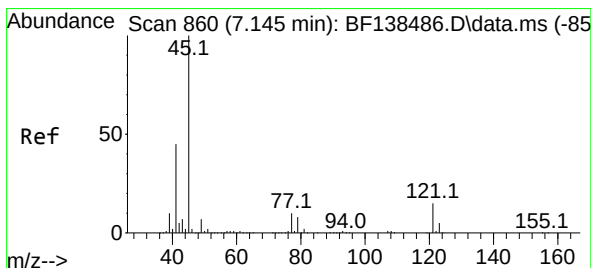
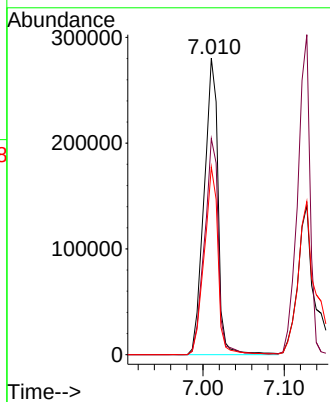
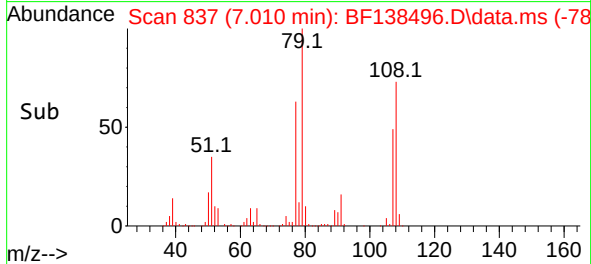
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



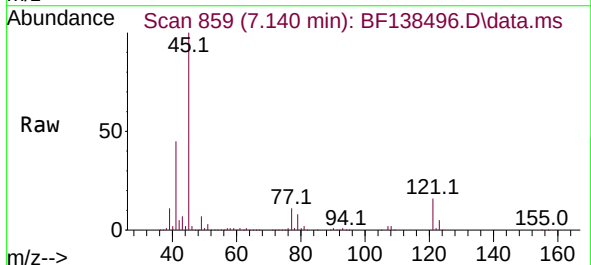
Tgt Ion: 79 Resp: 334678  
Ion Ratio Lower Upper  
79 100  
108 72.9 54.3 81.5  
77 63.3 50.0 75.0

Manual Integrations  
APPROVED

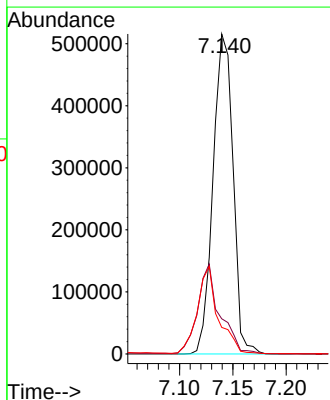
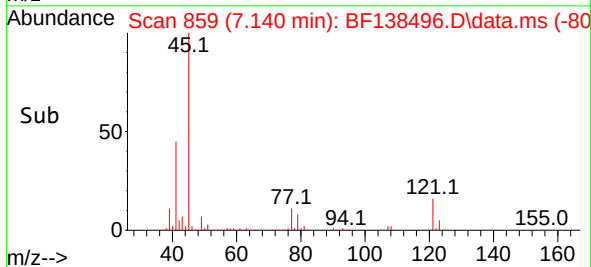
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

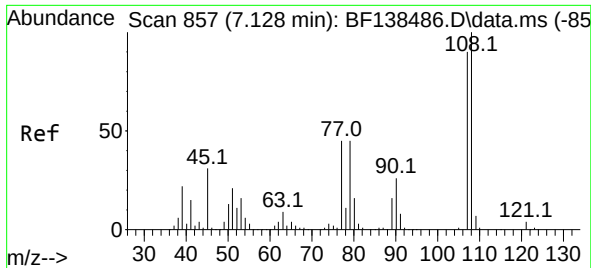


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 49.213 ng  
RT: 7.140 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion: 45 Resp: 671830  
Ion Ratio Lower Upper  
45 100  
77 11.0 0.0 30.4  
79 8.3 0.0 28.1





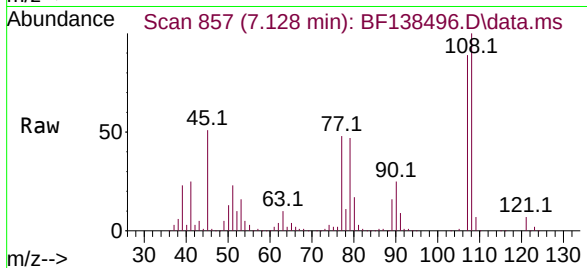
#17  
2-Methylphenol  
Concen: 49.565 ng  
RT: 7.128 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



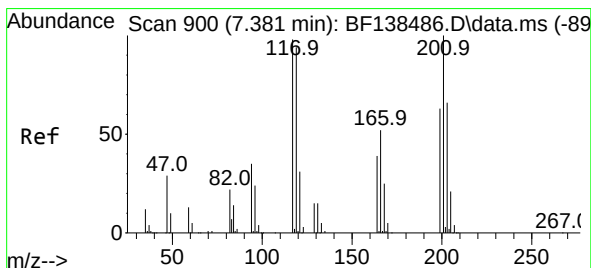
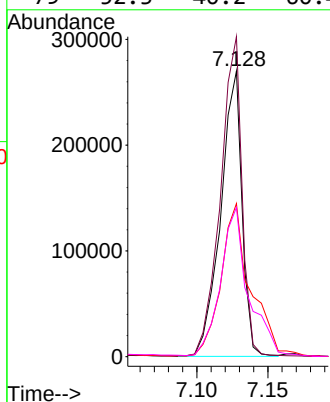
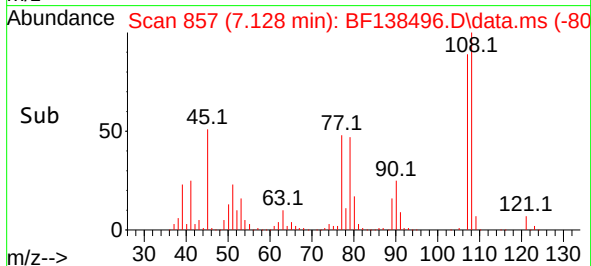
Tgt Ion:107 Resp: 280472  
Ion Ratio Lower Upper  
107 100  
108 112.1 89.0 133.4  
77 53.6 40.3 60.5  
79 52.3 40.2 60.4

Manual Integrations

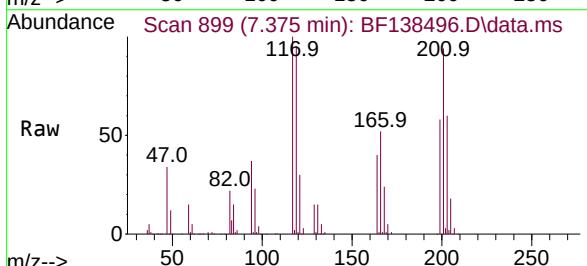
APPROVED

Reviewed By :Yogesh Patel 07/11/2024

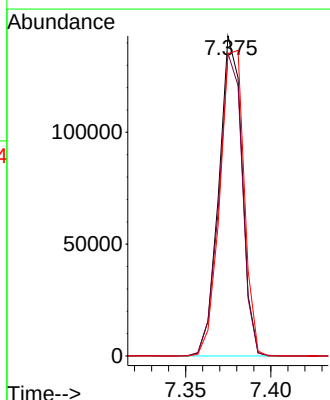
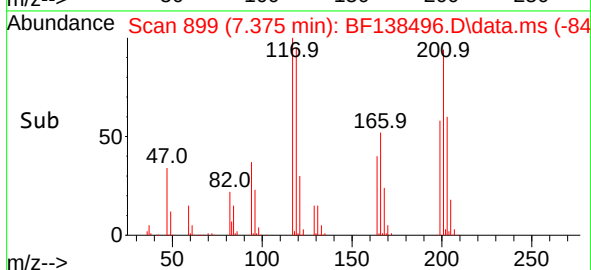
Supervised By :mohammad ahmed 07/11/2024

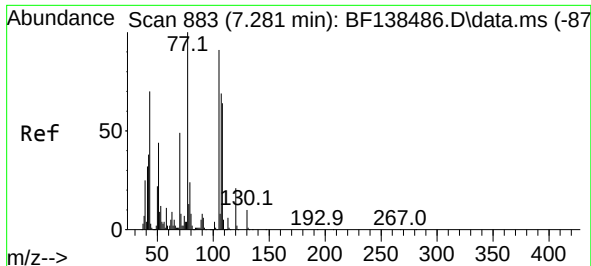


#18  
Hexachloroethane  
Concen: 46.589 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



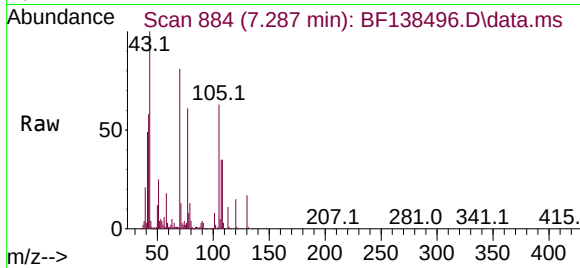
Tgt Ion:117 Resp: 134983  
Ion Ratio Lower Upper  
117 100  
119 94.6 76.6 114.8  
201 94.5 81.4 122.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 49.165 ng  
RT: 7.287 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

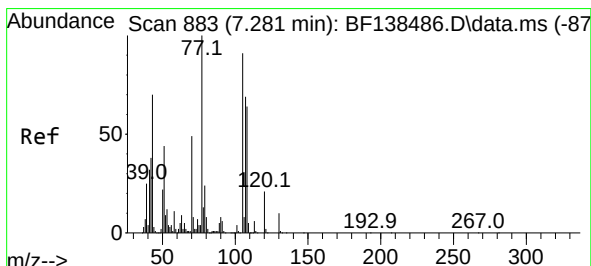
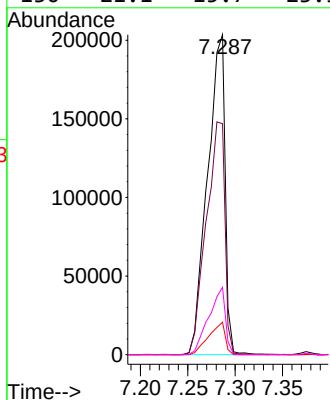
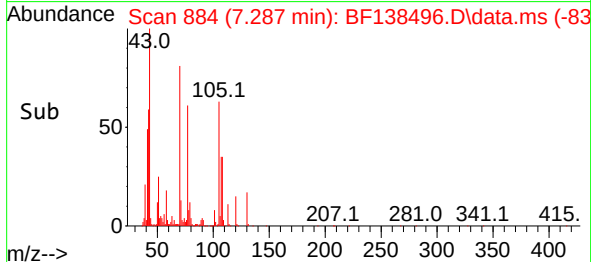
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion: 70 Resp: 263890  
Ion Ratio Lower Upper  
70 100  
42 72.2 62.4 93.6  
101 10.1 7.2 10.8  
130 21.1 15.7 23.5

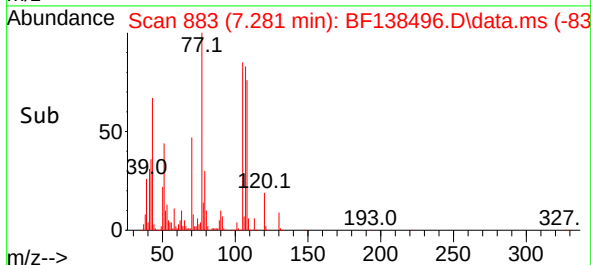
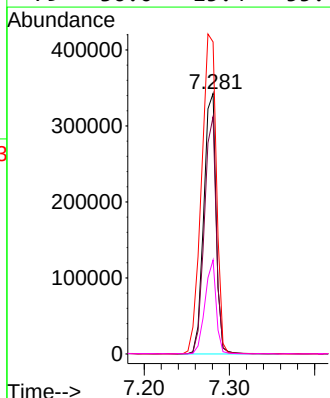
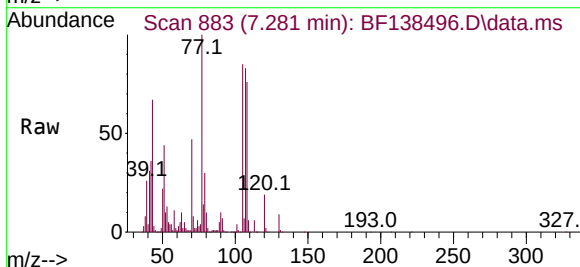
Manual Integrations  
APPROVED

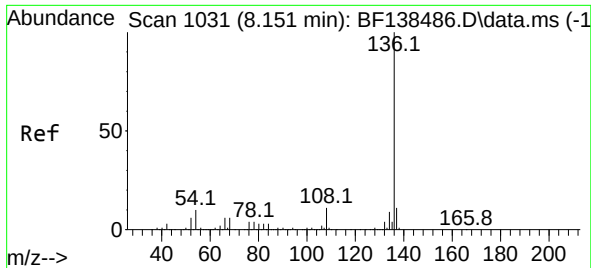
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#20  
3+4-Methylphenols  
Concen: 48.221 ng  
RT: 7.281 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:107 Resp: 343610  
Ion Ratio Lower Upper  
107 100  
108 91.1 73.7 113.7  
77 119.8 126.0 166.0#  
79 36.0 15.4 55.4





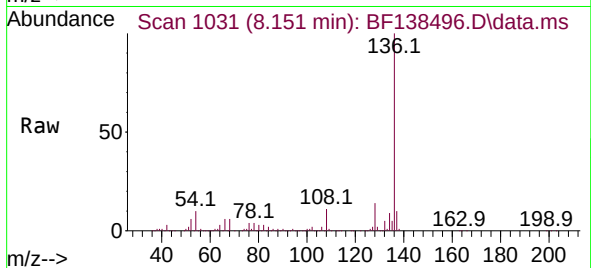
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



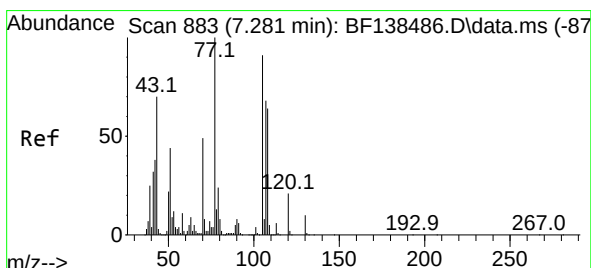
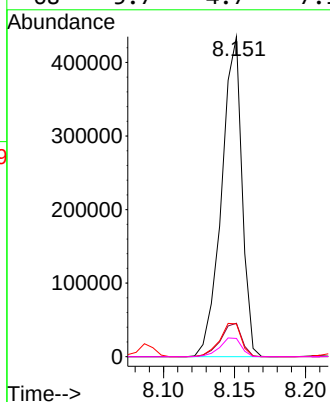
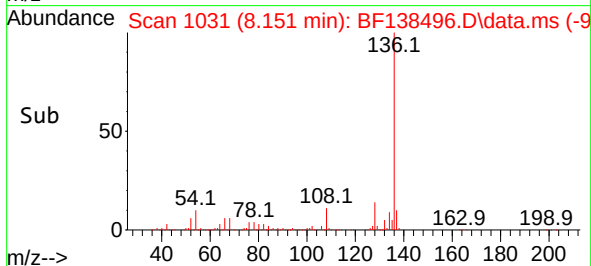
Tgt Ion:136 Resp: 434300  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.5 12.7  
54 10.3 8.1 12.1  
68 5.7 4.7 7.1

Manual Integrations

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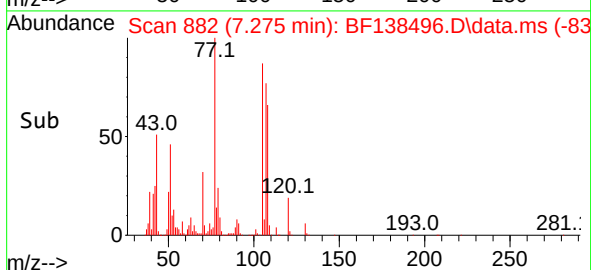
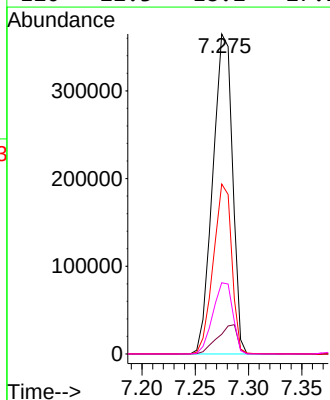
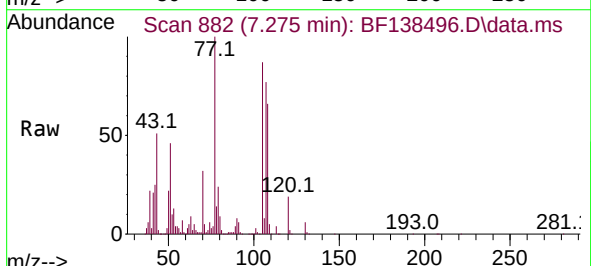
Reviewed By :Yogesh Patel 07/11/2024

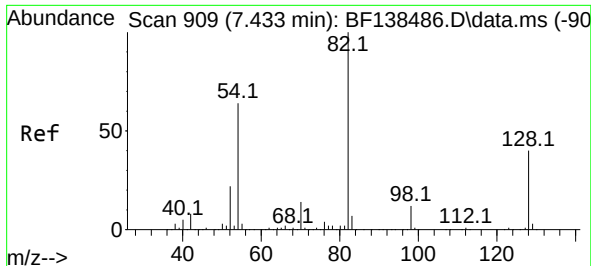
Supervised By :mohammad ahmed 07/11/2024



#22  
Acetophenone  
Concen: 44.409 ng  
RT: 7.275 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:105 Resp: 468431  
Ion Ratio Lower Upper  
105 100  
71 6.2 7.4 11.2#  
51 53.1 38.7 58.1  
120 22.3 18.2 27.2





#23

Nitrobenzene-d5

Concen: 87.554 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF138496.D

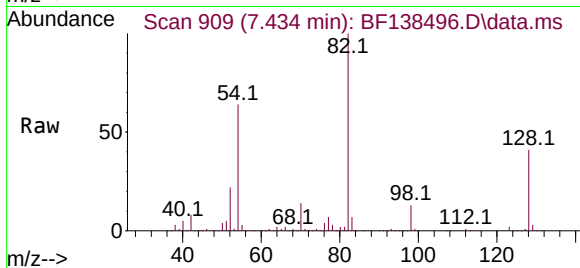
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



Tgt Ion: 82 Resp: 774480

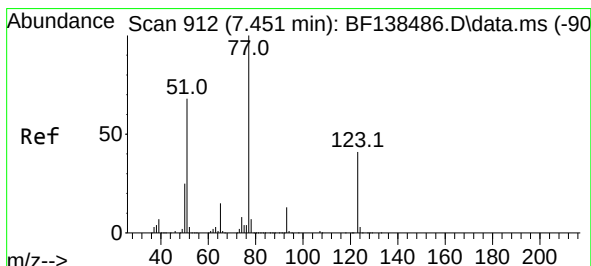
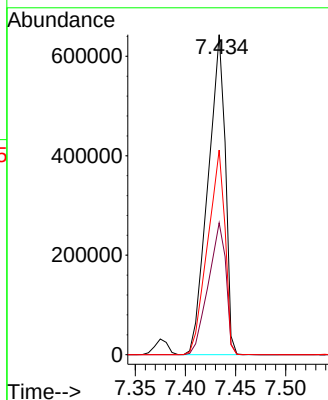
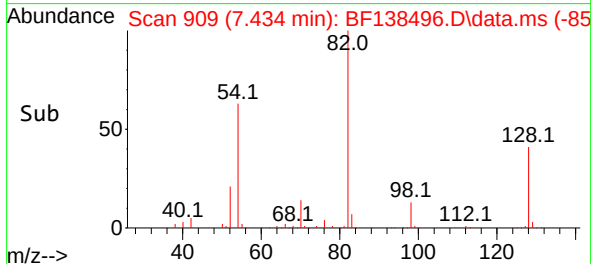
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.2  | 32.3  | 48.5  |
| 54  | 63.9  | 51.4  | 77.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#24

Nitrobenzene

Concen: 44.360 ng

RT: 7.451 min Scan# 912

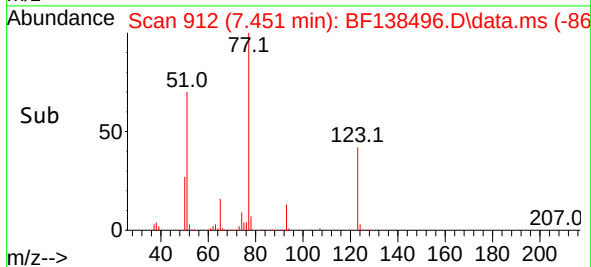
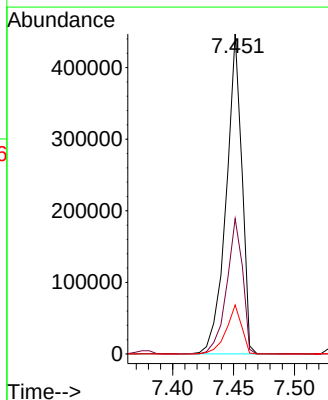
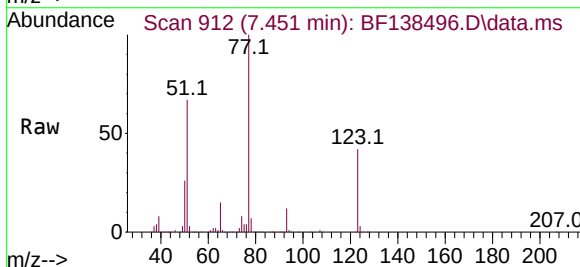
Delta R.T. 0.000 min

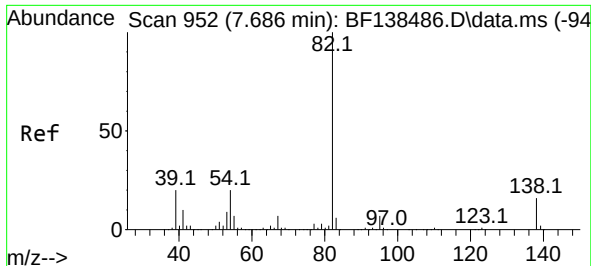
Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Tgt Ion: 77 Resp: 398761

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 42.3  | 32.4  | 48.6  |
| 65  | 15.3  | 11.8  | 17.8  |





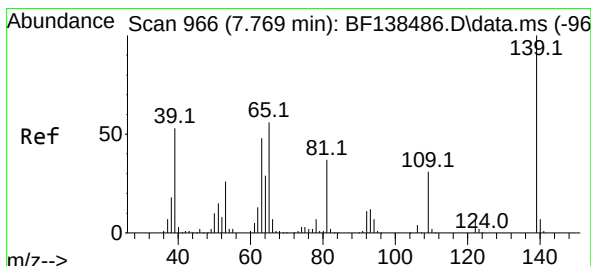
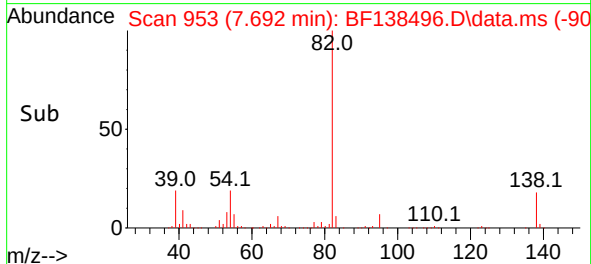
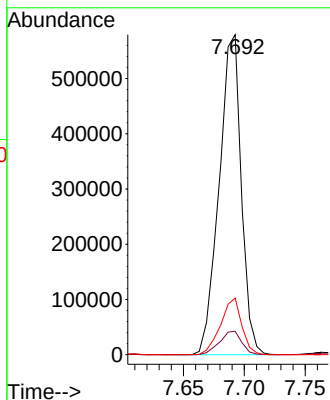
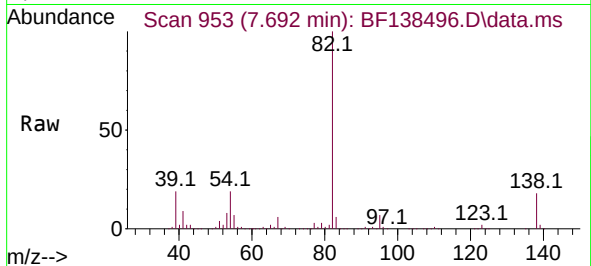
#25  
Isophorone  
Concen: 48.314 ng  
RT: 7.692 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD

Tgt Ion: 82 Resp: 73393  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.0 9.0  
138 17.7 12.8 19.2

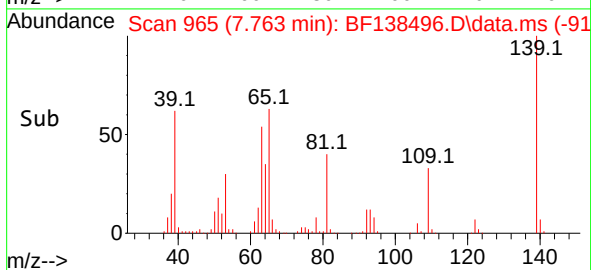
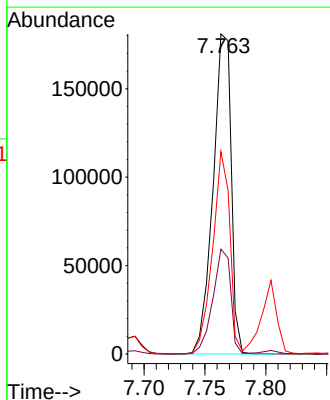
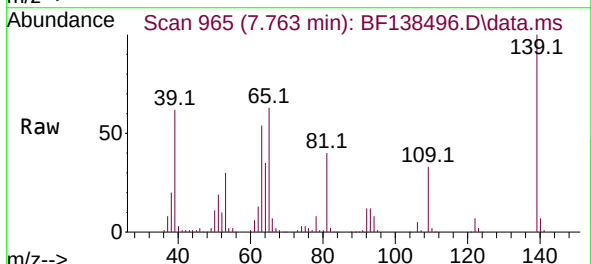
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

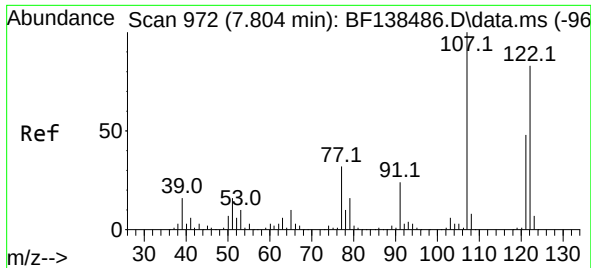


#26  
2-Nitrophenol  
Concen: 48.880 ng  
RT: 7.763 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:139 Resp: 188325  
Ion Ratio Lower Upper  
139 100  
109 32.7 24.8 37.2  
65 63.3 45.1 67.7







#27  
2,4-Dimethylphenol  
Concen: 65.292 ng  
RT: 7.804 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

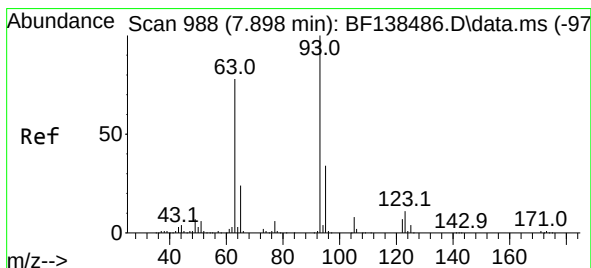
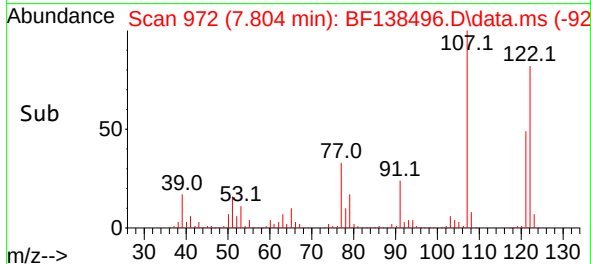
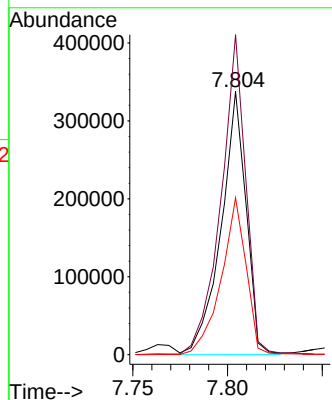
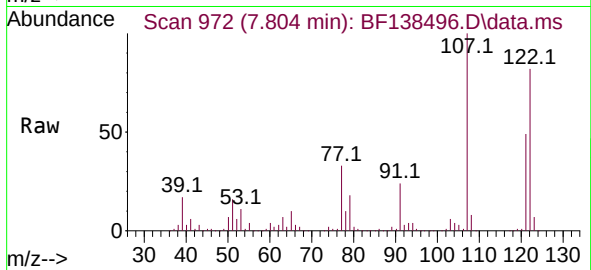
Tgt Ion:122 Resp: 309179  
Ion Ratio Lower Upper  
122 100  
107 121.6 96.3 144.5  
121 59.6 46.7 70.1

Manual Integrations

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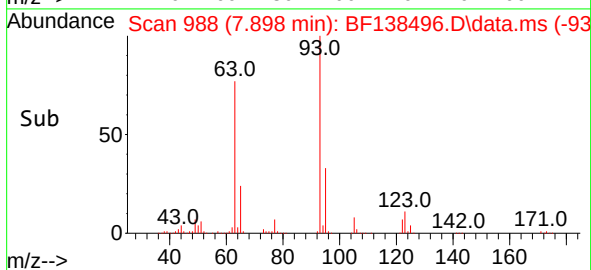
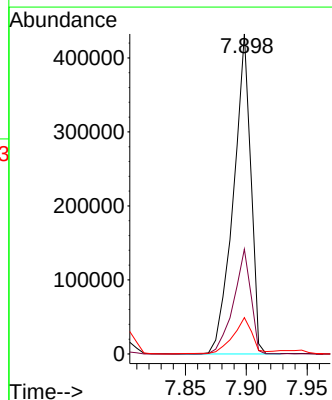
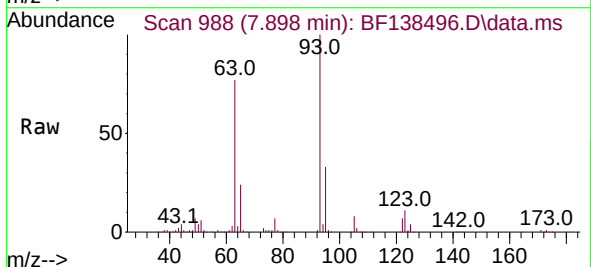
Reviewed By :Yogesh Patel 07/11/2024

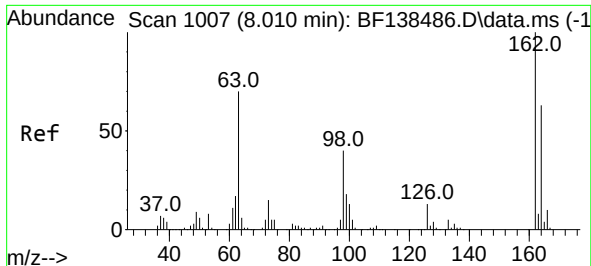
Supervised By :mohammad ahmed 07/11/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 47.050 ng  
RT: 7.898 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion: 93 Resp: 427155  
Ion Ratio Lower Upper  
93 100  
95 32.8 27.0 40.6  
123 11.4 9.1 13.7





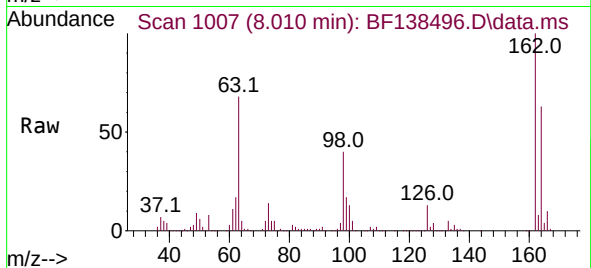
#29  
2,4-Dichlorophenol  
Concen: 47.977 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



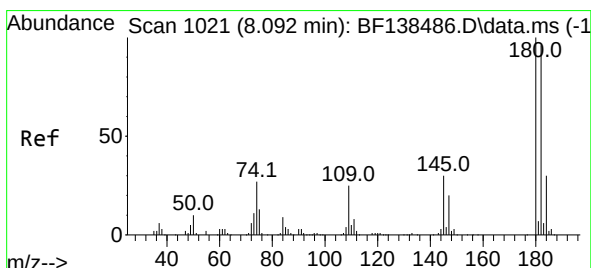
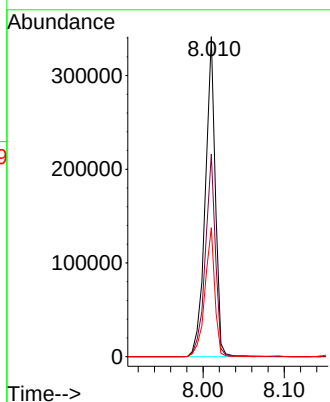
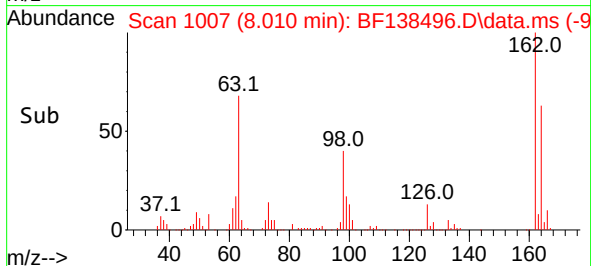
Tgt Ion:162 Resp: 29502  
Ion Ratio Lower Upper  
162 100  
164 63.3 42.6 82.6  
98 40.3 20.1 60.1

Manual Integrations

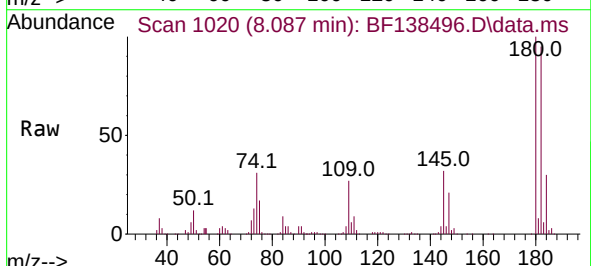
APPROVED

Reviewed By :Yogesh Patel 07/11/2024

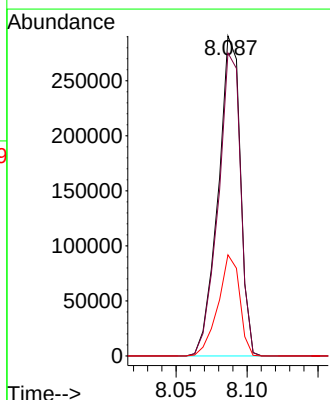
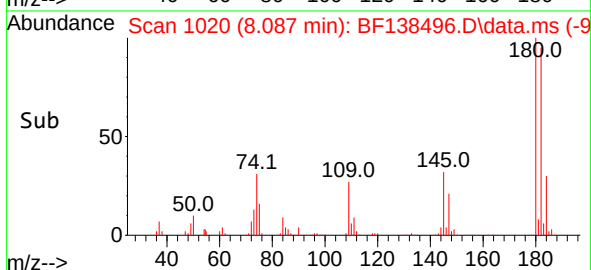
Supervised By :mohammad ahmed 07/11/2024

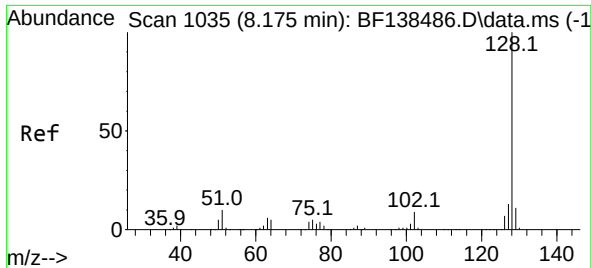


#30  
1,2,4-Trichlorobenzene  
Concen: 44.071 ng  
RT: 8.087 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



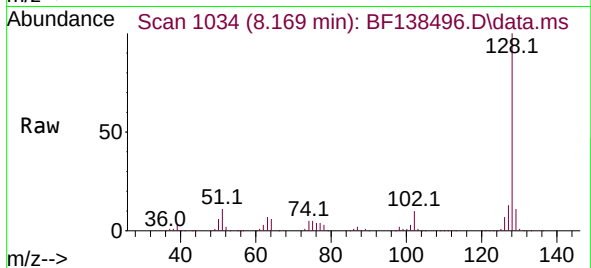
Tgt Ion:180 Resp: 315699  
Ion Ratio Lower Upper  
180 100  
182 94.7 76.9 115.3  
145 31.6 23.9 35.9





#31  
Naphthalene  
Concen: 44.597 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

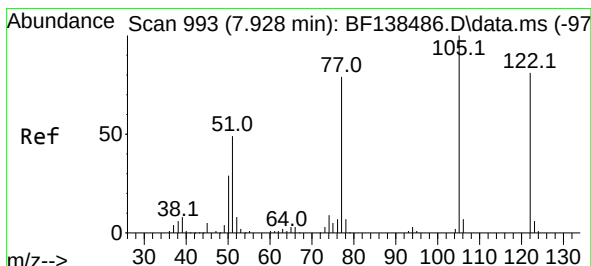
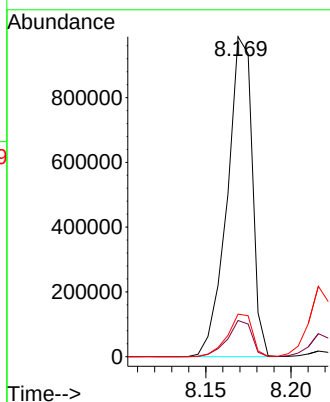
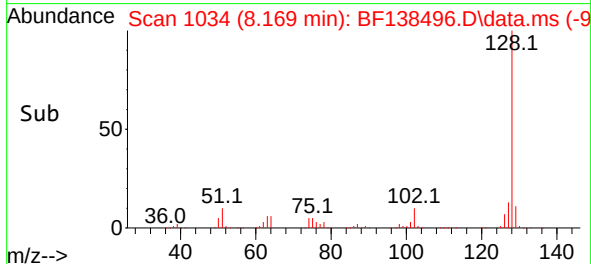
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



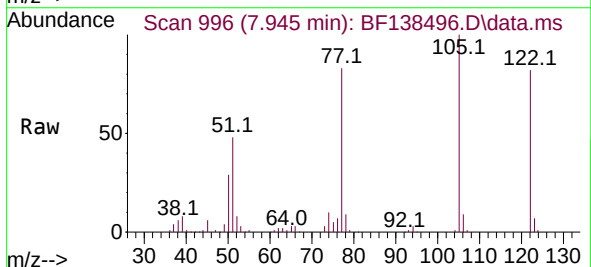
Tgt Ion:128 Resp: 1007339  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.6 13.0  
127 13.3 10.7 16.1

Manual Integrations  
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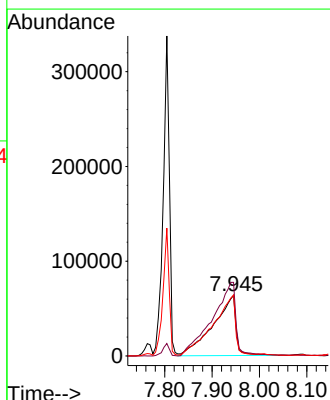
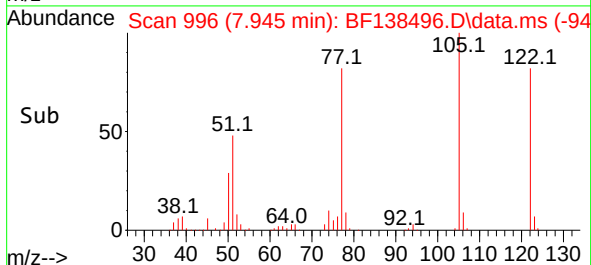
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

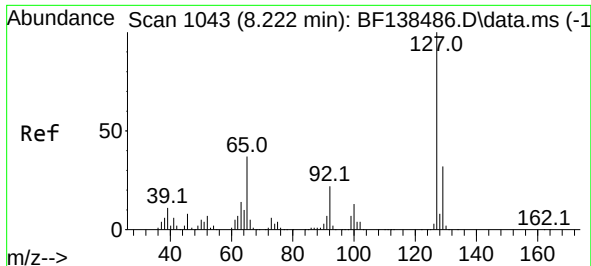


#32  
Benzoic acid  
Concen: 47.492 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.018 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:122 Resp: 214494  
Ion Ratio Lower Upper  
122 100  
105 121.6 101.5 141.5  
77 100.7 77.3 117.3





#33  
4-Chloroaniline  
Concen: 27.990 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

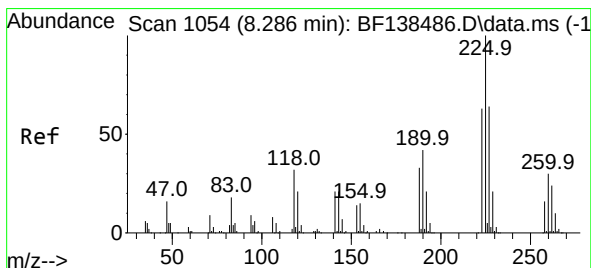
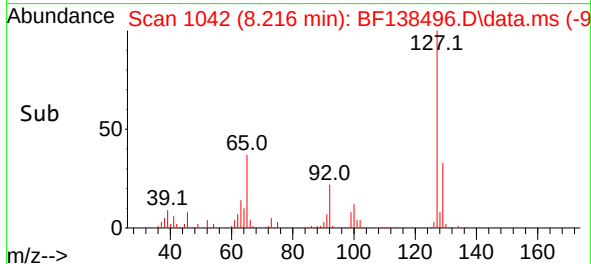
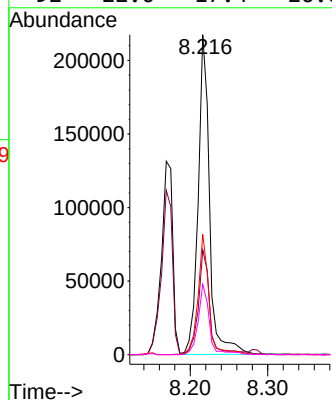
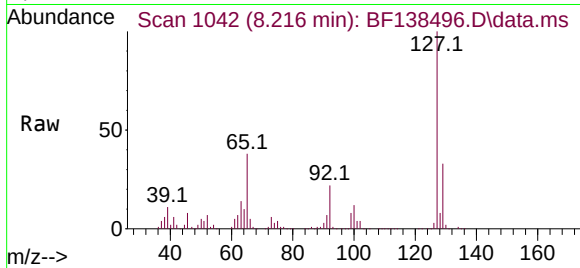
ClientSampleId :

PB161493BSD

Tgt Ion:127 Resp: 221820  
Ion Ratio Lower Upper  
127 100  
129 32.7 25.6 38.4  
65 37.6 29.6 44.4  
92 22.0 17.4 26.0

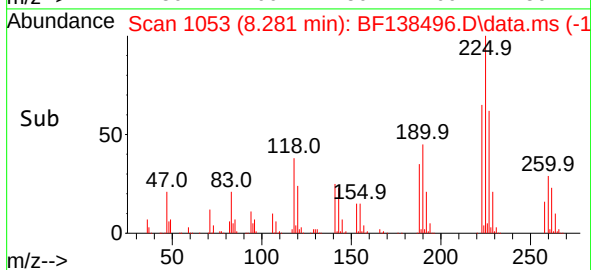
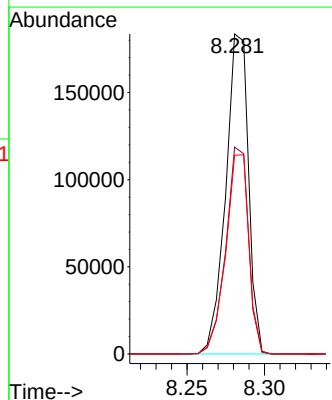
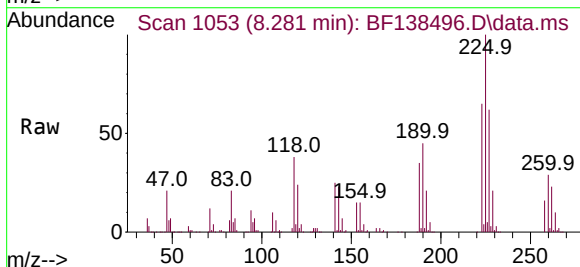
Manual Integrations  
APPROVED

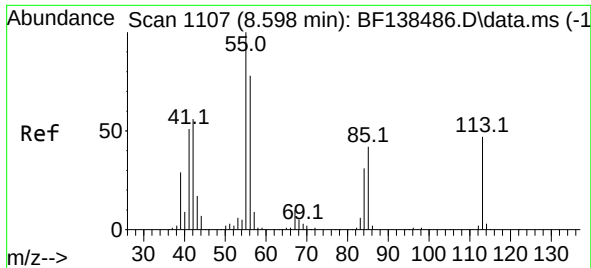
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#34  
Hexachlorobutadiene  
Concen: 42.531 ng  
RT: 8.281 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

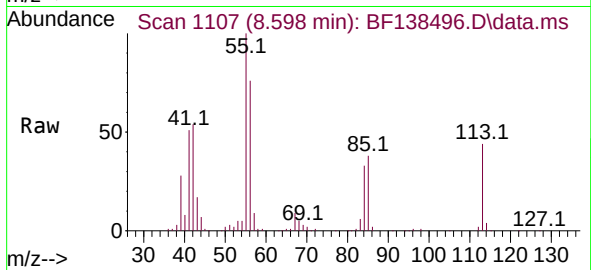
Tgt Ion:225 Resp: 187610  
Ion Ratio Lower Upper  
225 100  
223 64.7 50.0 75.0  
227 62.1 51.0 76.6





#35  
 Caprolactam  
 Concen: 49.592 ng m  
 RT: 8.598 min Scan# 1107  
 Delta R.T. 0.000 min  
 Lab File: BF138496.D  
 Acq: 10 Jul 2024 12:23

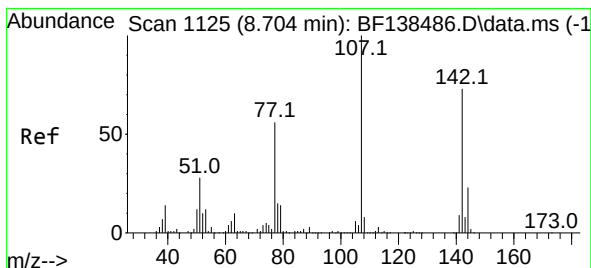
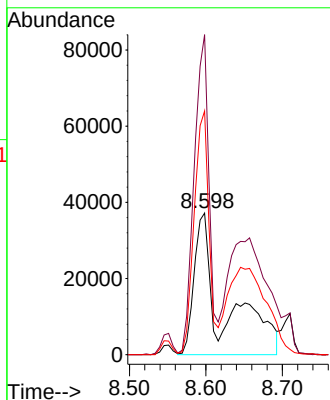
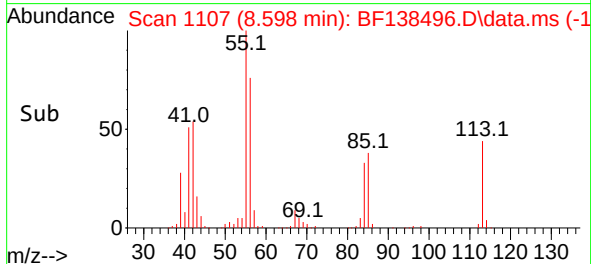
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161493BSD



Tgt Ion:113 Resp: 9840  
 Ion Ratio Lower Upper  
 113 100  
 55 225.9 192.5 232.5  
 56 172.0 145.3 185.3

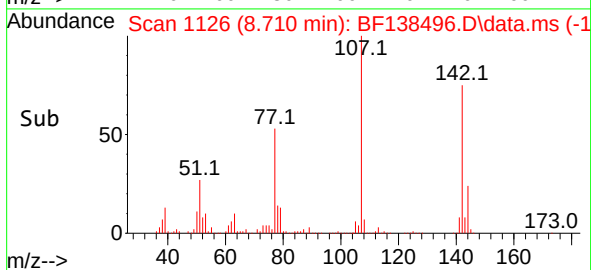
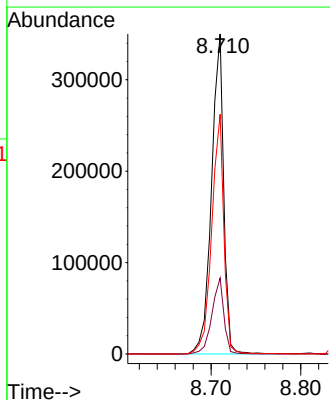
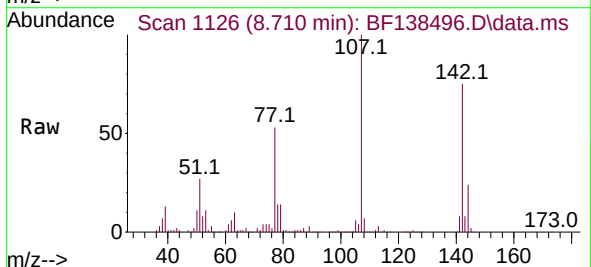
Manual Integrations  
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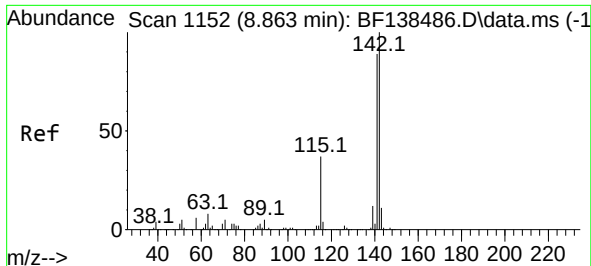
Reviewed By :Yogesh Patel 07/11/2024  
 Supervised By :mohammad ahmed 07/11/2024



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.974 ng  
 RT: 8.710 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF138496.D  
 Acq: 10 Jul 2024 12:23

Tgt Ion:107 Resp: 330263  
 Ion Ratio Lower Upper  
 107 100  
 144 23.7 18.6 27.8  
 142 74.9 58.6 88.0





#37

2-Methylnaphthalene

Concen: 44.656 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion:142 Resp: 649109

Ion Ratio Lower Upper

142 100

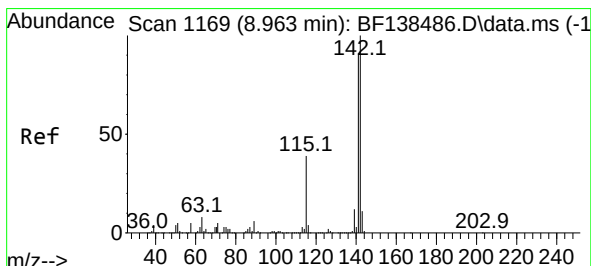
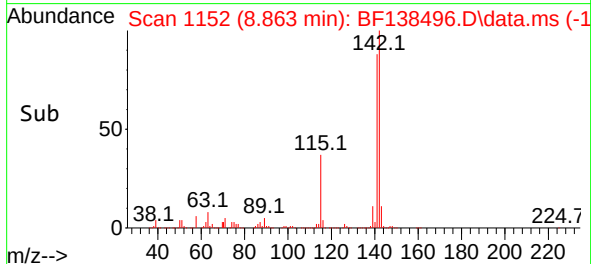
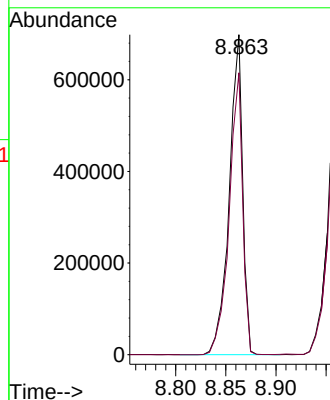
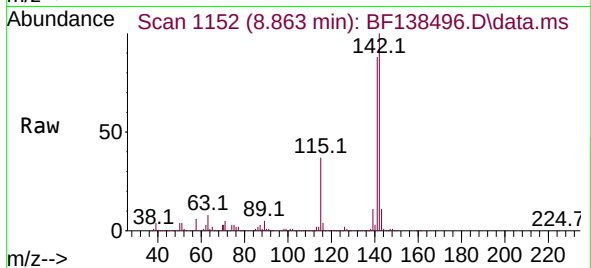
141 88.1 71.4 107.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#38

1-Methylnaphthalene

Concen: 43.378 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF138496.D

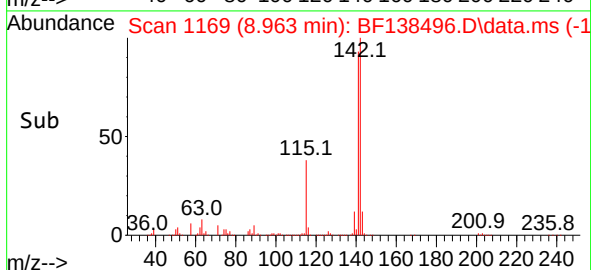
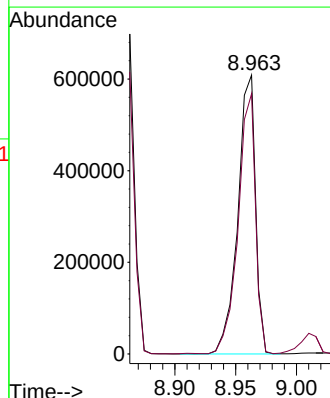
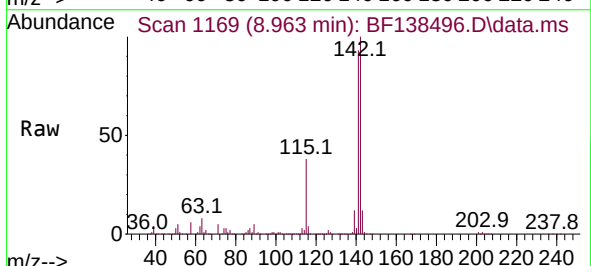
Acq: 10 Jul 2024 12:23

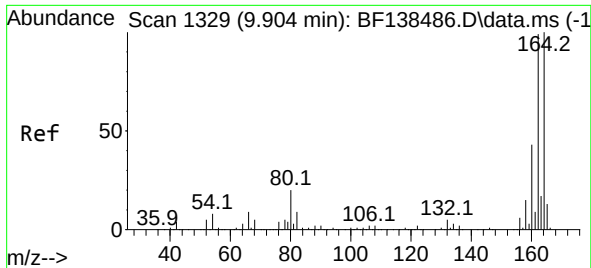
Tgt Ion:142 Resp: 615369

Ion Ratio Lower Upper

142 100

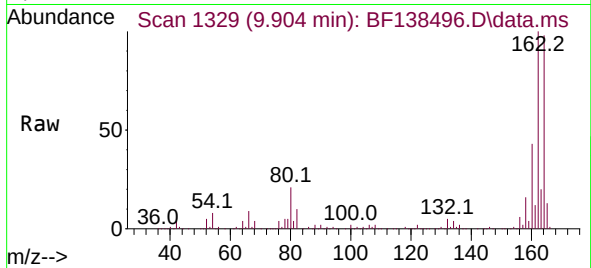
141 93.3 72.6 108.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

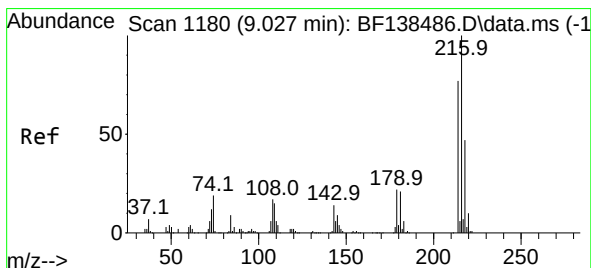
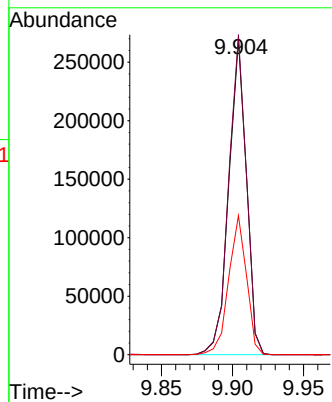
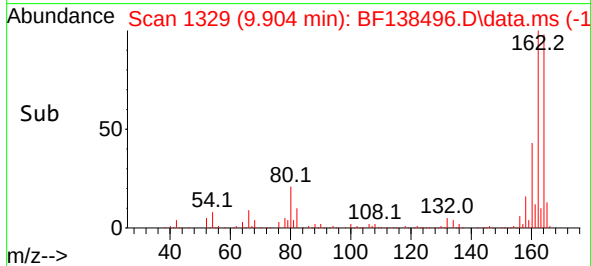
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



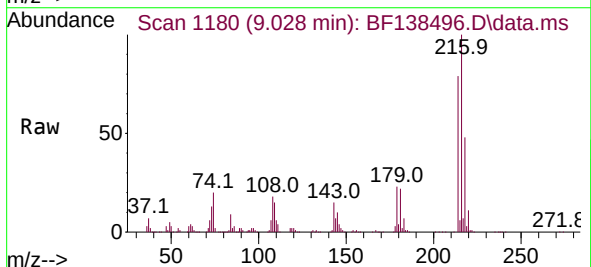
Tgt Ion:164 Resp: 23225  
Ion Ratio Lower Upper  
164 100  
162 101.6 79.0 118.6  
160 44.1 34.4 51.6

Manual Integrations  
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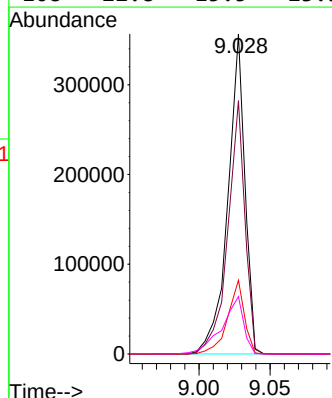
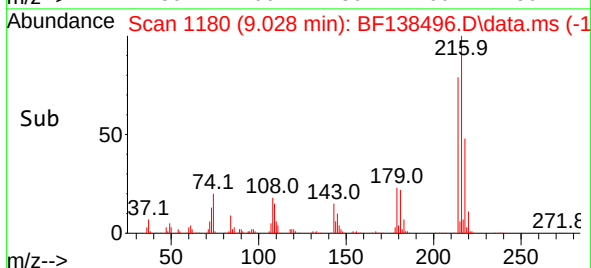
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

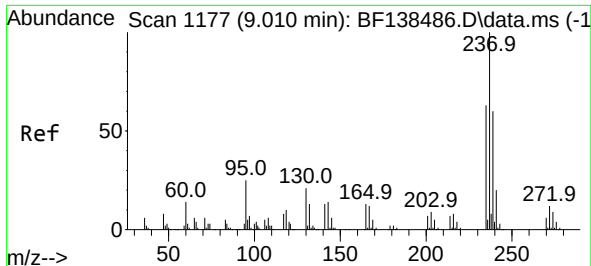


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.985 ng  
RT: 9.028 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



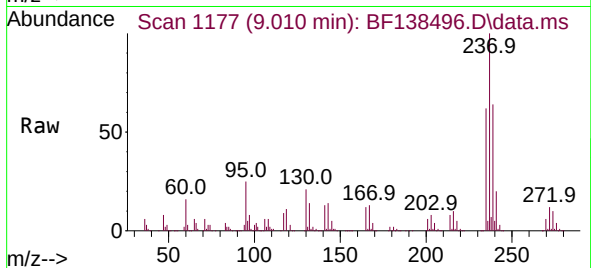
Tgt Ion:216 Resp: 297660  
Ion Ratio Lower Upper  
216 100  
214 79.2 62.8 94.2  
179 22.7 17.7 26.5  
108 22.8 15.5 23.3





#41  
Hexachlorocyclopentadiene  
Concen: 177.404 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

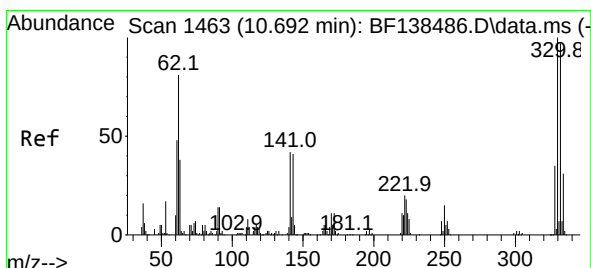
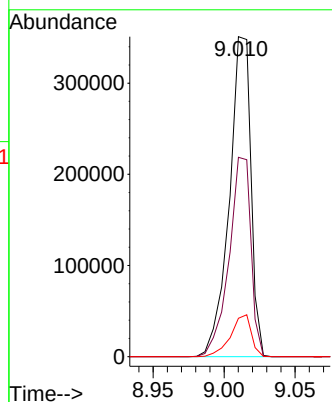
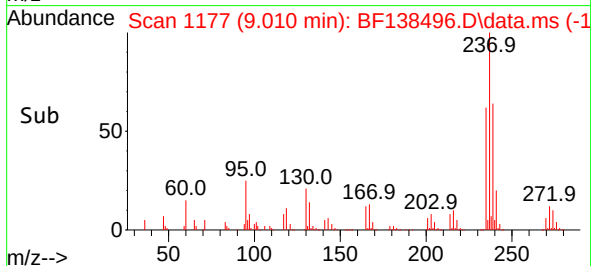
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



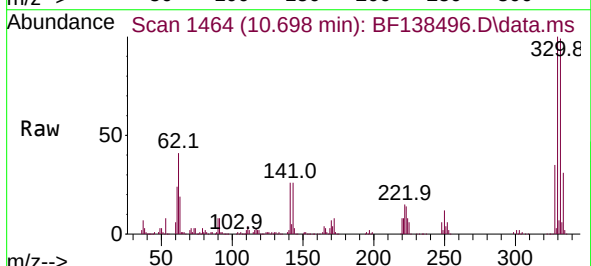
Tgt Ion:237 Resp: 372732  
Ion Ratio Lower Upper  
237 100  
235 62.3 43.3 83.3  
272 12.0 0.0 32.3

Manual Integrations  
APPROVED

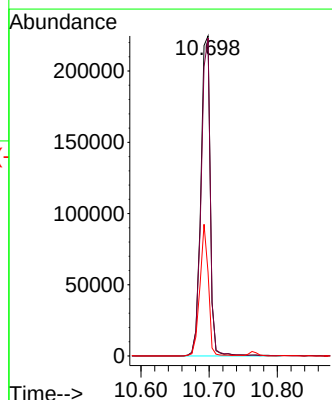
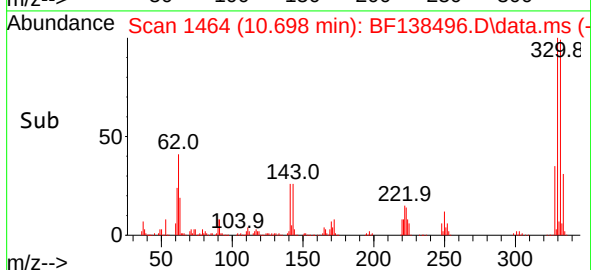
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



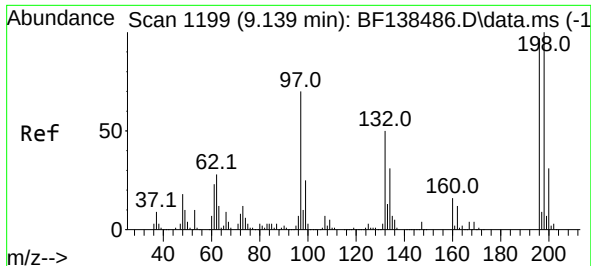
#42  
2,4,6-Tribromophenol  
Concen: 98.732 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:330 Resp: 214311  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.8 115.2  
141 37.3 29.4 44.2

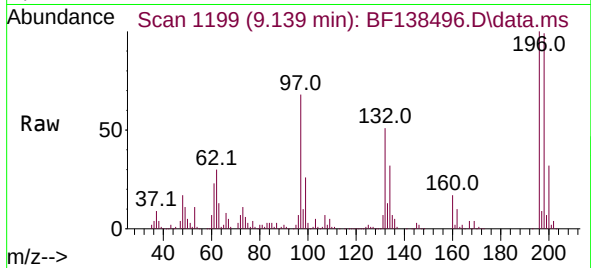






#43  
2,4,6-Trichlorophenol  
Concen: 49.875 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

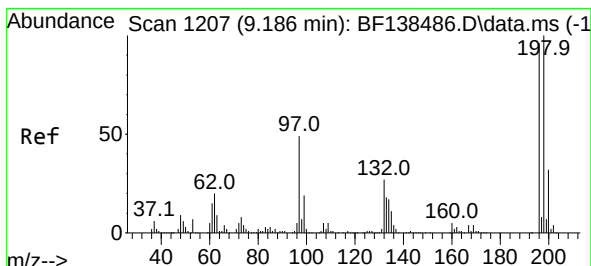
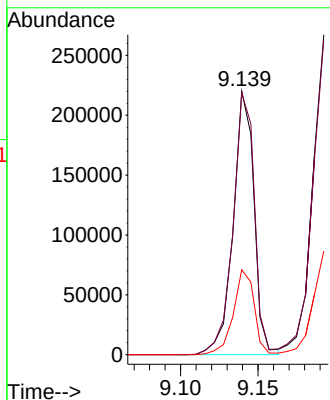
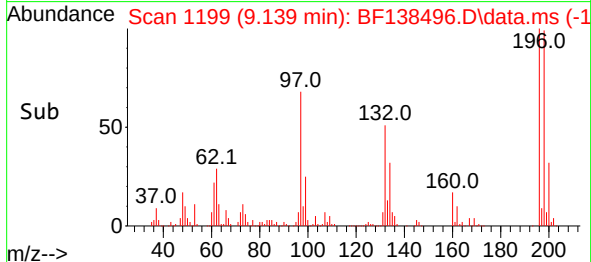
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



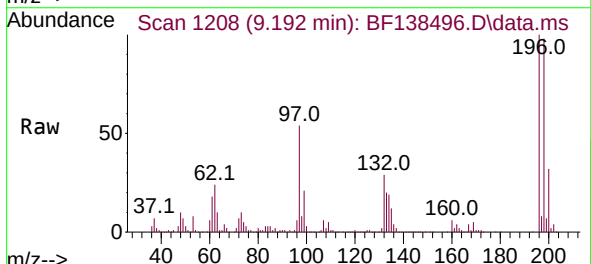
Tgt Ion:196 Resp: 205934  
Ion Ratio Lower Upper  
196 100  
198 99.4 82.3 123.5  
200 32.3 25.8 38.6

Manual Integrations  
APPROVED

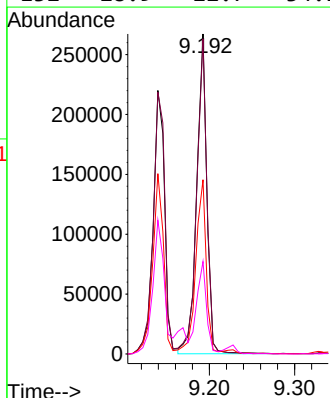
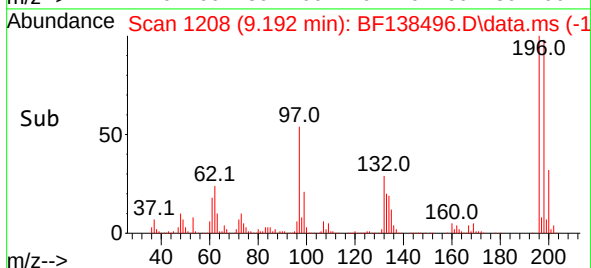
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

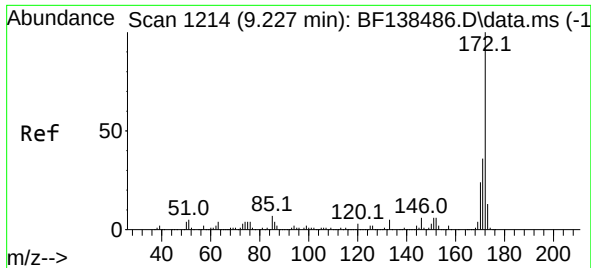


#44  
2,4,5-Trichlorophenol  
Concen: 48.771 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



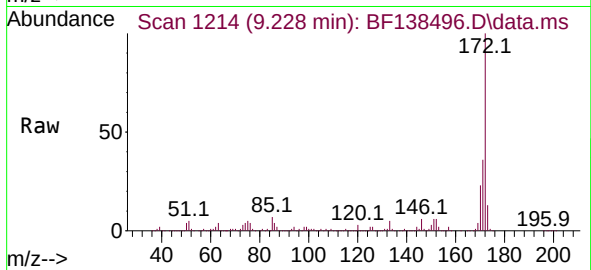
Tgt Ion:196 Resp: 221488  
Ion Ratio Lower Upper  
196 100  
198 98.5 82.8 124.2  
97 54.5 41.0 61.4  
132 28.9 22.7 34.1





#45  
2-Fluorobiphenyl  
Concen: 90.611 ng  
RT: 9.228 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

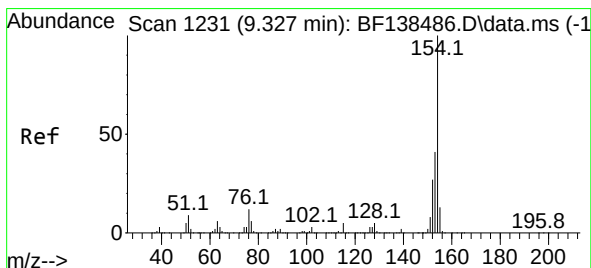
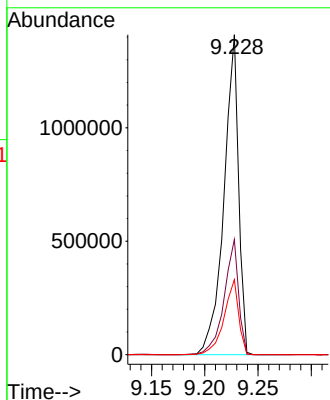
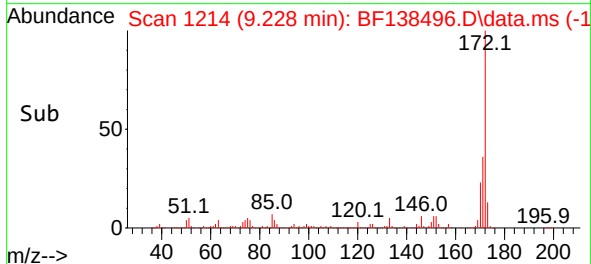
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



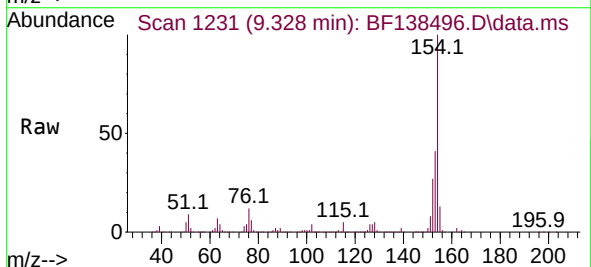
Tgt Ion:172 Resp: 134651  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.9 43.3  
170 23.5 18.9 28.3

Manual Integrations  
APPROVED

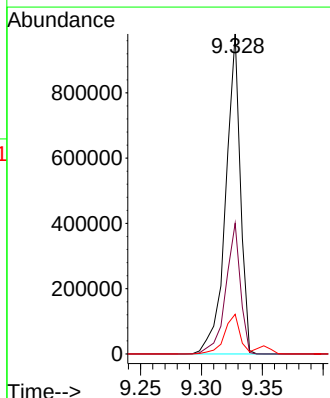
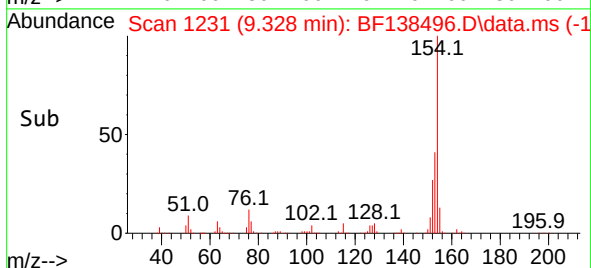
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

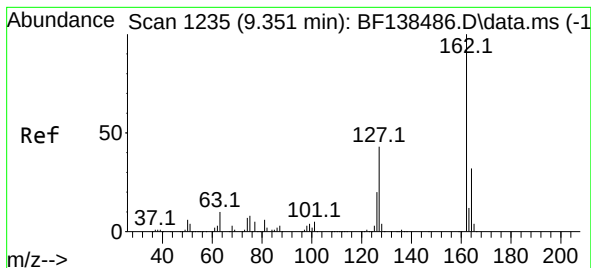


#46  
1,1'-Biphenyl  
Concen: 46.542 ng  
RT: 9.328 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:154 Resp: 819190  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.7 60.7  
76 12.4 0.0 32.2





#47

2-Chloronaphthalene

Concen: 46.982 ng

RT: 9.351 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF138496.D

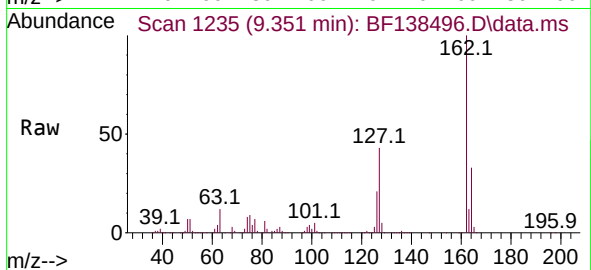
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



Tgt Ion:162 Resp: 62472

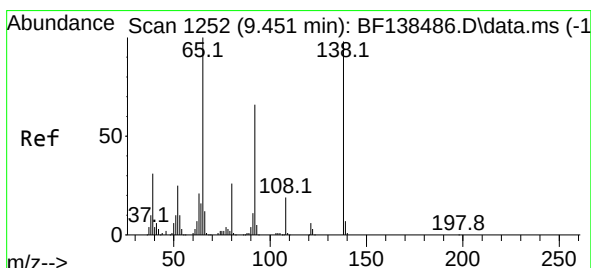
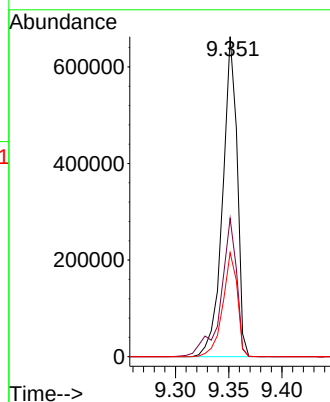
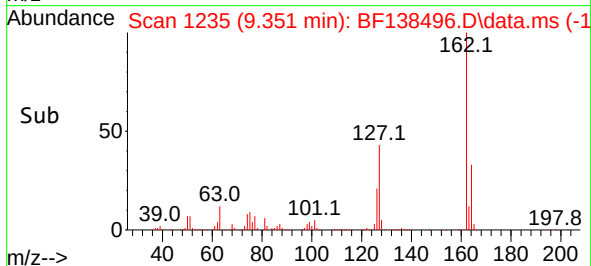
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 43.2  | 34.8  | 52.2  |
| 164 | 32.5  | 25.6  | 38.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#48

2-Nitroaniline

Concen: 51.739 ng

RT: 9.451 min Scan# 1252

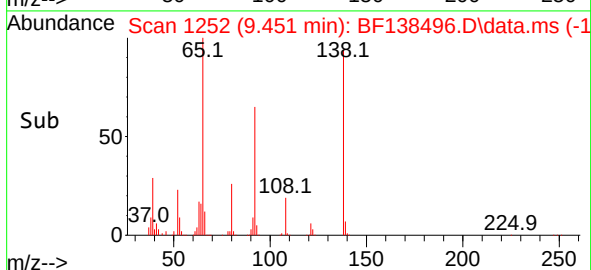
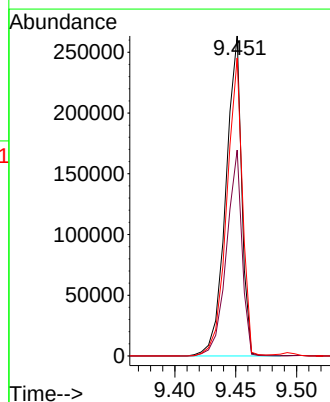
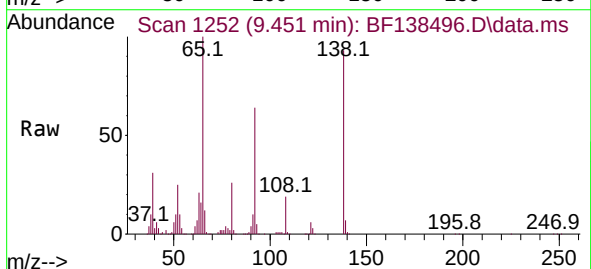
Delta R.T. 0.000 min

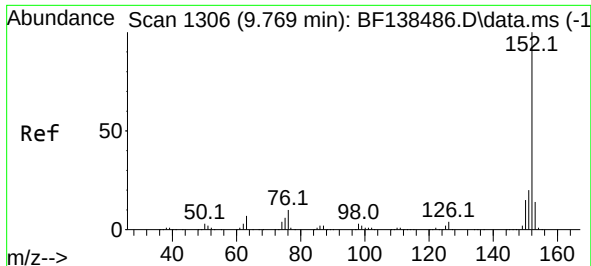
Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Tgt Ion: 65 Resp: 238401

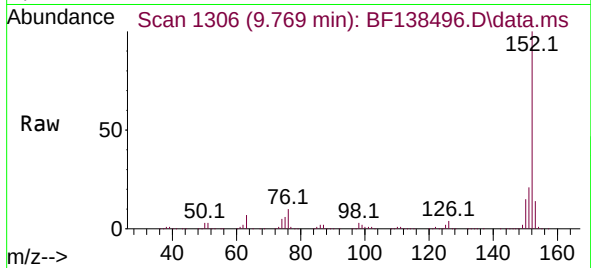
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 64.4  | 52.6  | 78.8  |
| 138 | 93.1  | 78.6  | 118.0 |





#49  
Acenaphthylene  
Concen: 49.837 ng  
RT: 9.769 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

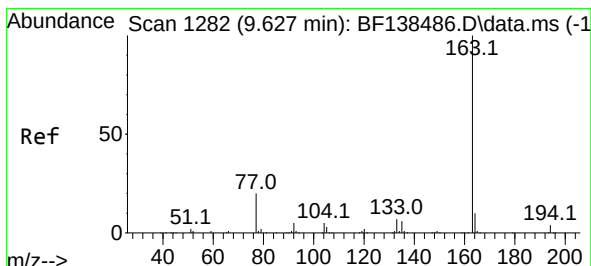
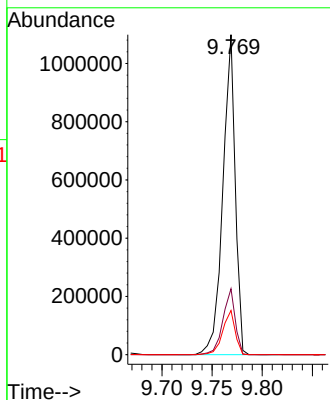
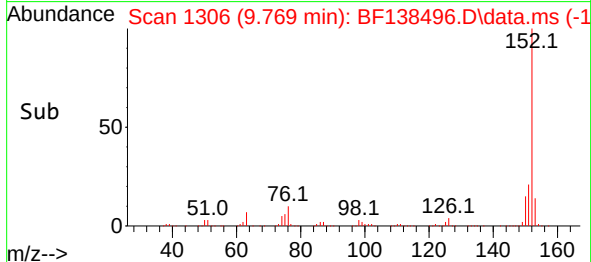
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



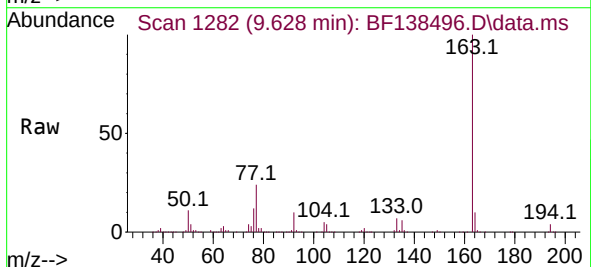
Tgt Ion:152 Resp: 940844  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.3 24.5  
153 13.8 11.3 16.9

Manual Integrations  
APPROVED

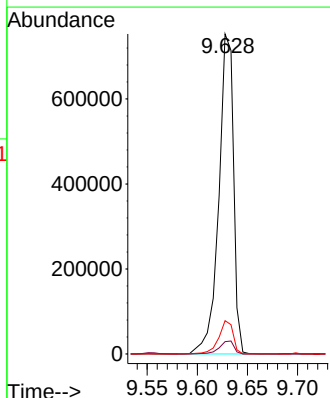
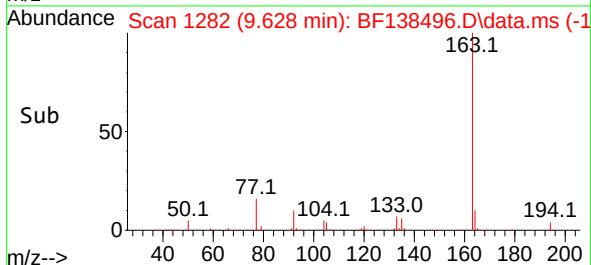
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

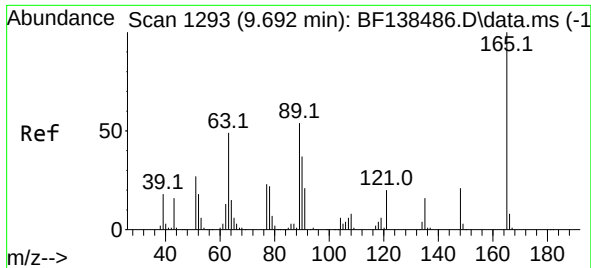


#50  
Dimethylphthalate  
Concen: 51.145 ng  
RT: 9.628 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:163 Resp: 768096  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 10.4 8.1 12.1





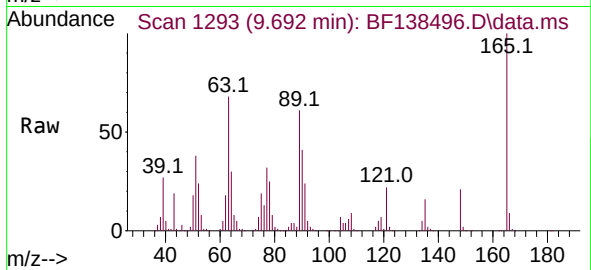
#51  
2,6-Dinitrotoluene  
Concen: 49.549 ng  
RT: 9.692 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



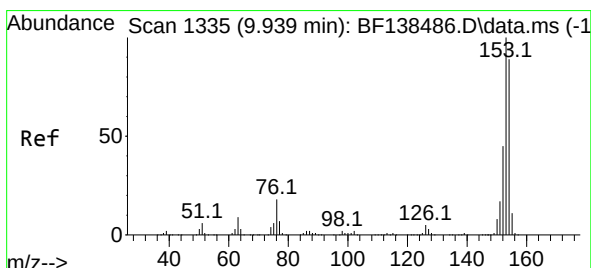
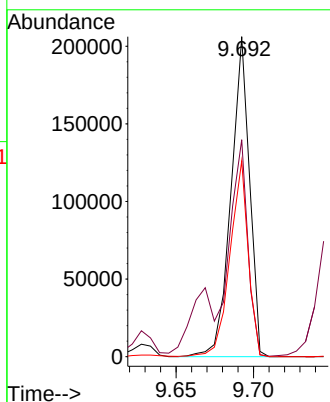
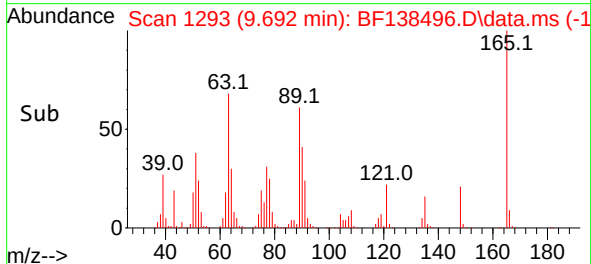
Tgt Ion:165 Resp: 17133  
Ion Ratio Lower Upper  
165 100  
63 67.8 48.1 72.1  
89 61.2 43.0 64.6

Manual Integrations

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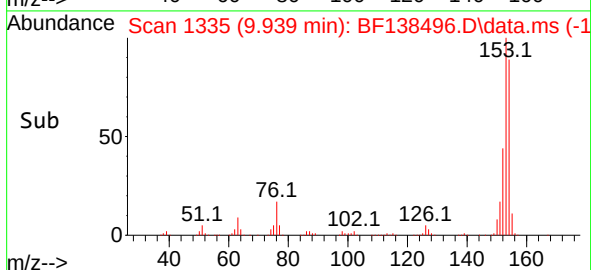
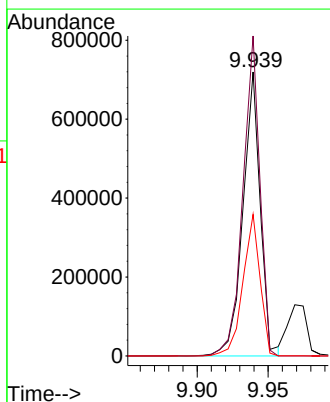
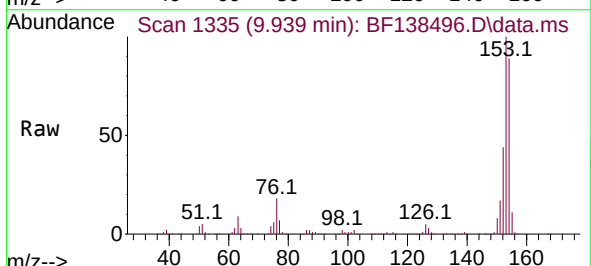
Reviewed By :Yogesh Patel 07/11/2024

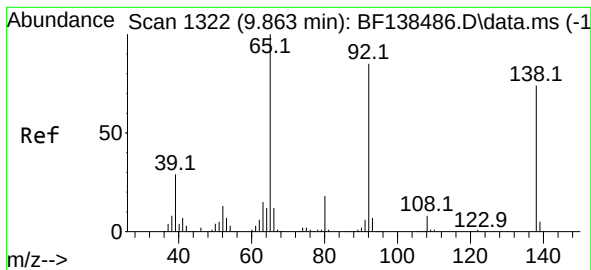
Supervised By :mohammad ahmed 07/11/2024



#52  
Acenaphthene  
Concen: 48.537 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:154 Resp: 609094  
Ion Ratio Lower Upper  
154 100  
153 112.7 90.4 135.6  
152 49.9 41.1 61.7





#53

3-Nitroaniline

Concen: 34.348 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion:138 Resp: 12173

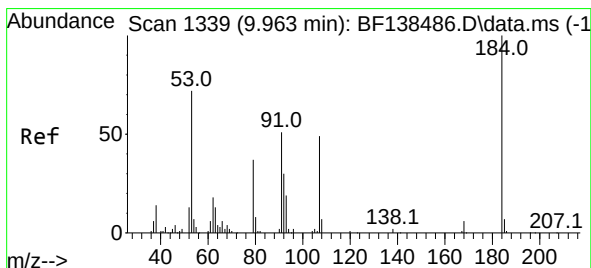
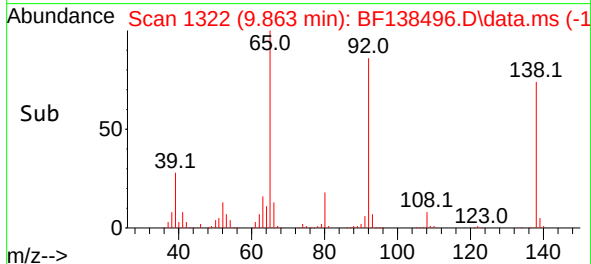
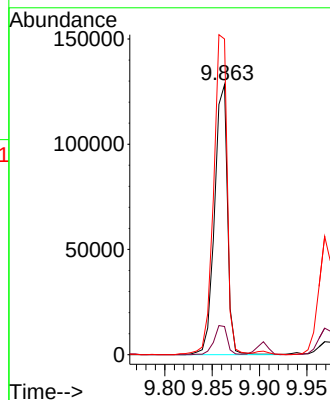
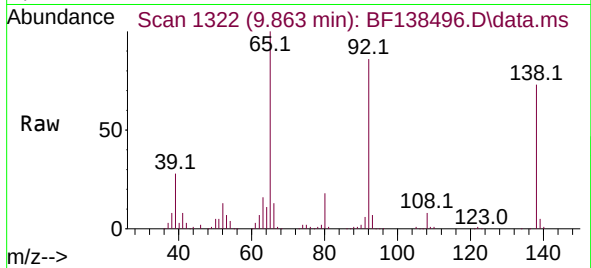
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 10.5  | 8.3   | 12.5  |
| 92  | 117.0 | 92.6  | 138.8 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#54

2,4-Dinitrophenol

Concen: 106.639 ng

RT: 9.975 min Scan# 1341

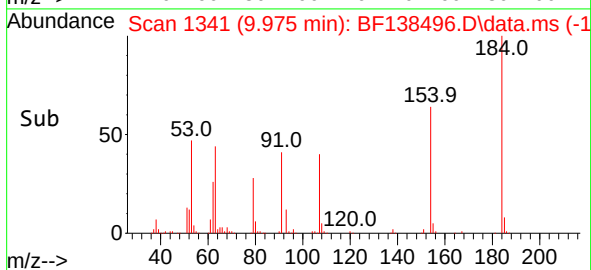
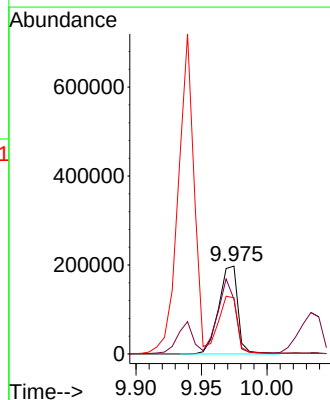
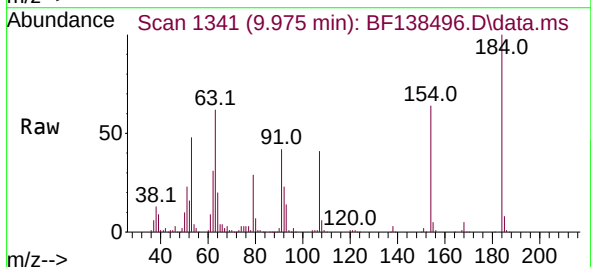
Delta R.T. 0.012 min

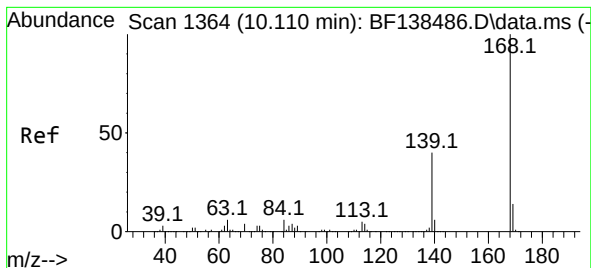
Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Tgt Ion:184 Resp: 200962

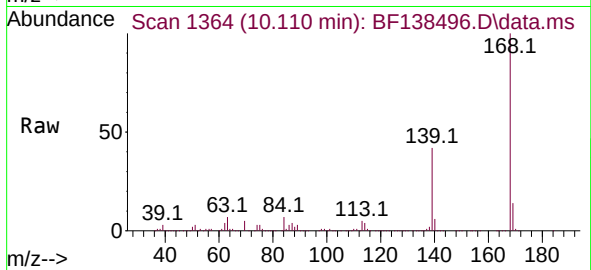
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 184 | 100   |       |        |
| 63  | 62.3  | 70.6  | 106.0# |
| 154 | 63.9  | 53.8  | 80.6   |





#55  
Dibenzenofuran  
Concen: 48.572 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

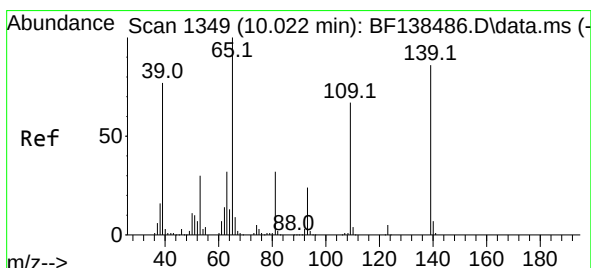
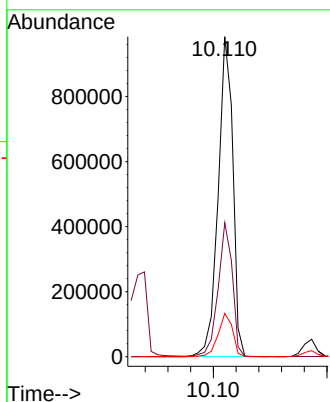
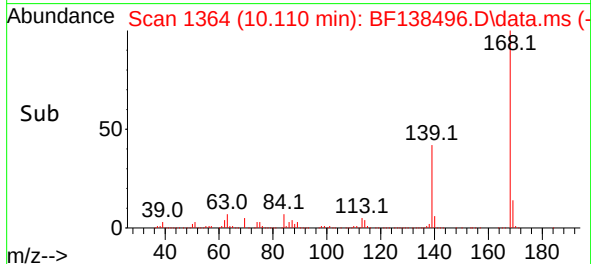
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion:168 Resp: 884090  
Ion Ratio Lower Upper  
168 100  
139 41.9 32.4 48.6  
169 13.5 10.9 16.3

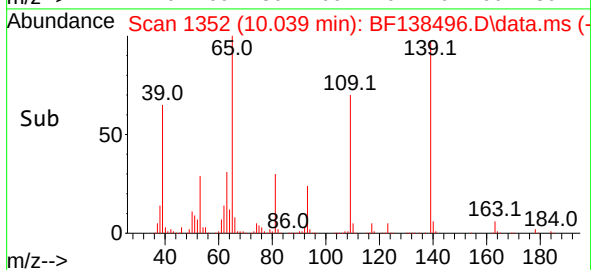
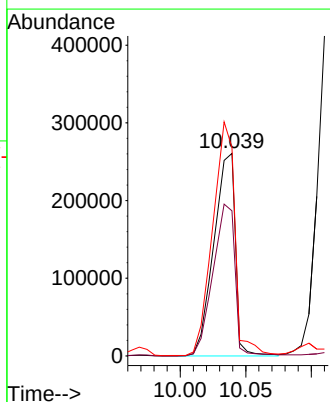
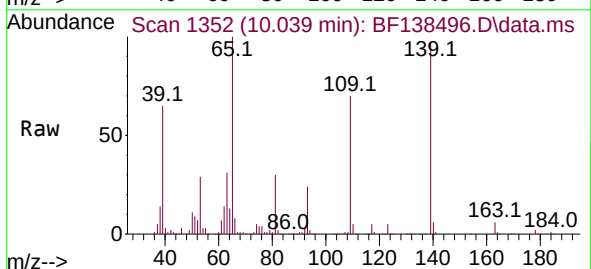
Manual Integrations  
APPROVED

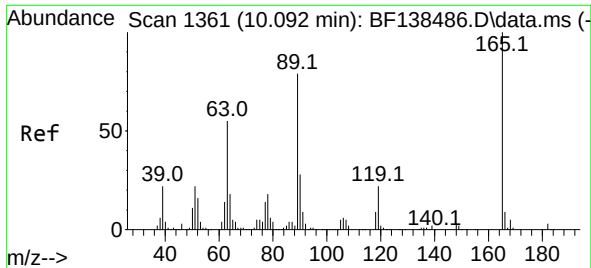
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#56  
4-Nitrophenol  
Concen: 113.520 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.018 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:139 Resp: 296855  
Ion Ratio Lower Upper  
139 100  
109 71.7 58.1 98.1  
65 102.9 96.9 136.9





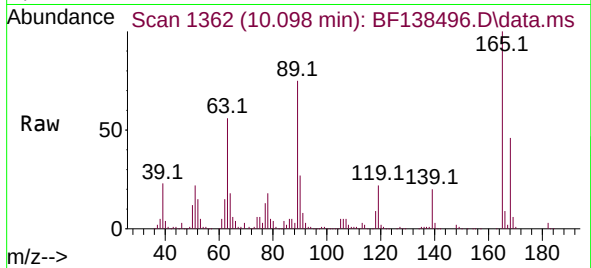
#57  
2,4-Dinitrotoluene  
Concen: 51.270 ng  
RT: 10.098 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



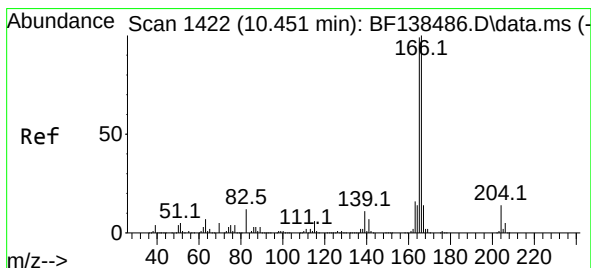
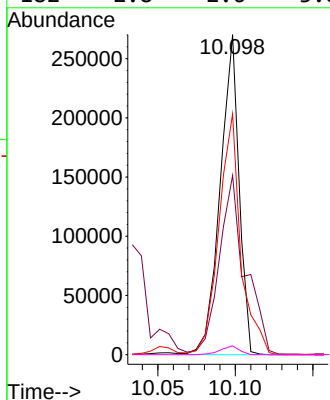
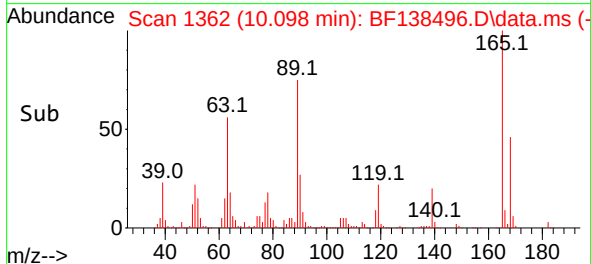
Tgt Ion:165 Resp: 22938  
Ion Ratio Lower Upper  
165 100  
63 56.0 44.6 66.8  
89 75.3 63.4 95.2  
182 2.8 2.6 3.8

Manual Integrations

APPROVED

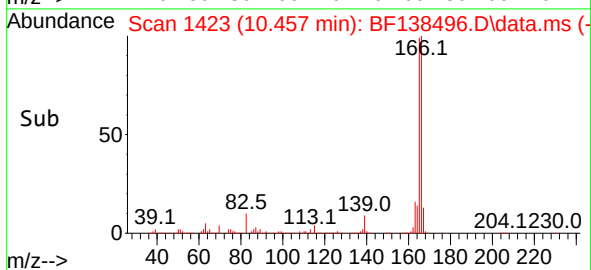
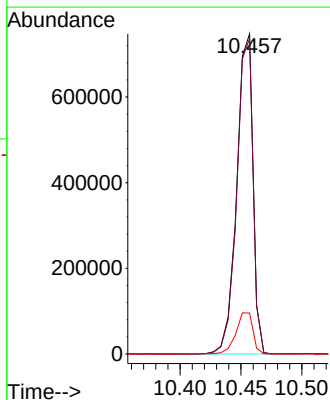
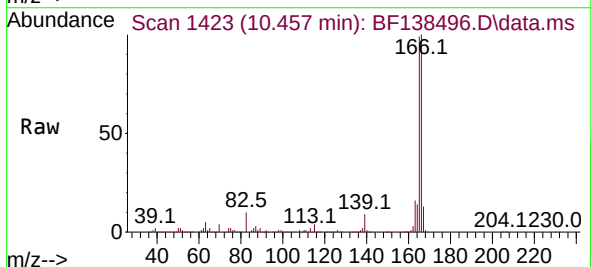
Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024

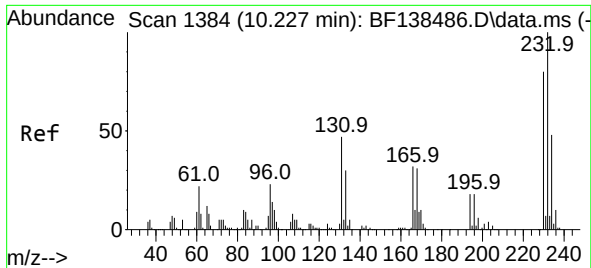


#58  
Fluorene  
Concen: 48.305 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:166 Resp: 695693  
Ion Ratio Lower Upper  
166 100  
165 98.5 79.1 118.7  
167 12.8 11.0 16.6

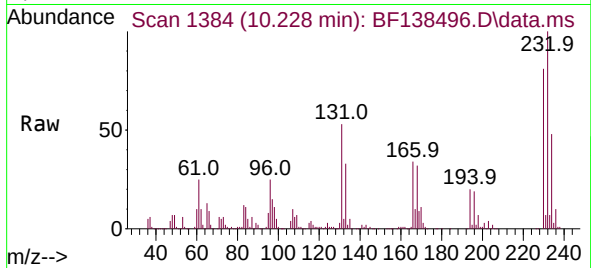






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.560 ng  
RT: 10.228 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

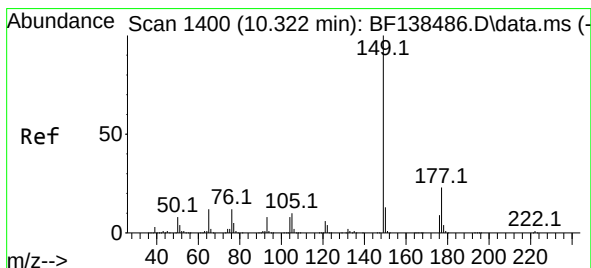
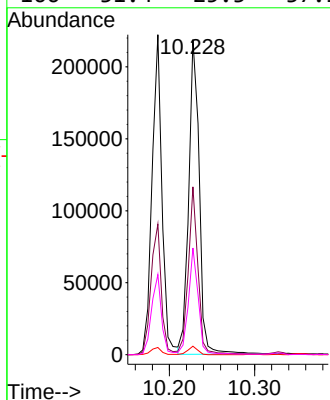
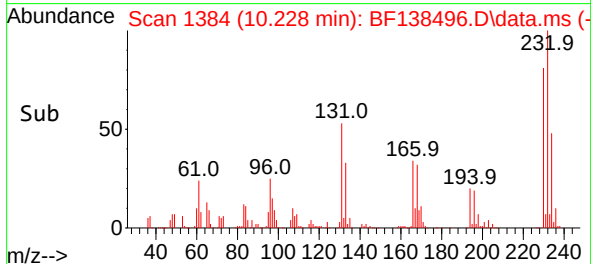
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion:232 Resp: 18838  
Ion Ratio Lower Upper  
232 100  
131 48.8 37.5 56.3  
130 2.5 2.0 3.0  
166 31.4 25.3 37.9

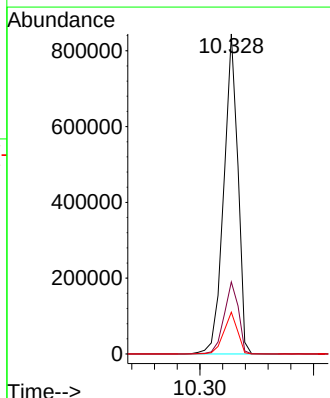
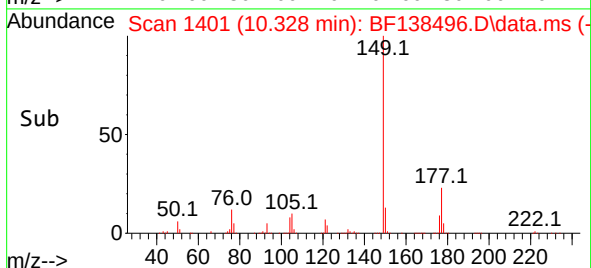
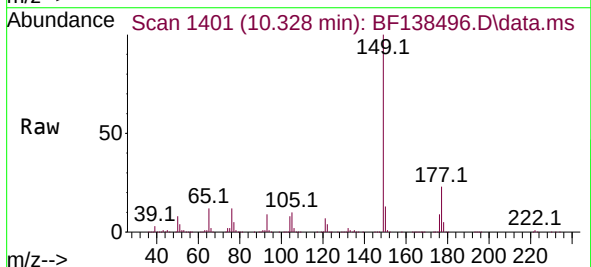
Manual Integrations  
APPROVED

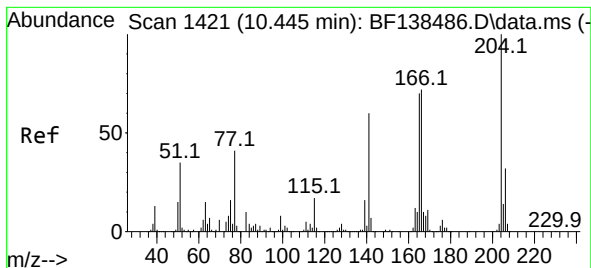
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#60  
Diethylphthalate  
Concen: 50.198 ng  
RT: 10.328 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

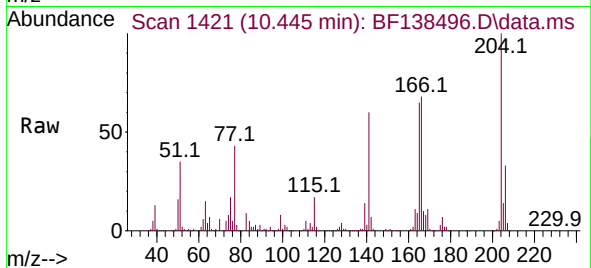
Tgt Ion:149 Resp: 726764  
Ion Ratio Lower Upper  
149 100  
177 22.5 18.5 27.7  
150 13.0 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 47.397 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

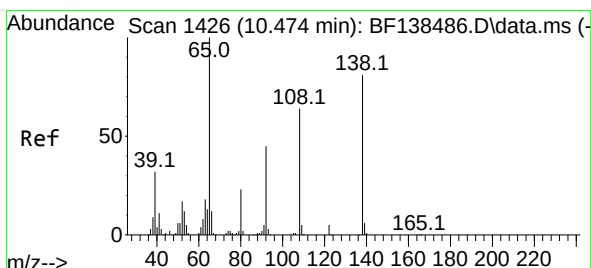
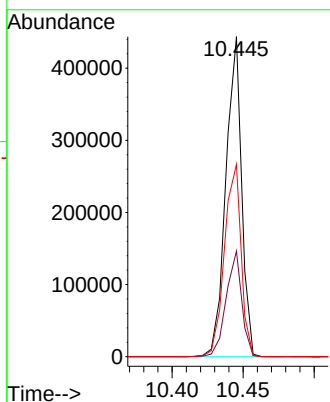
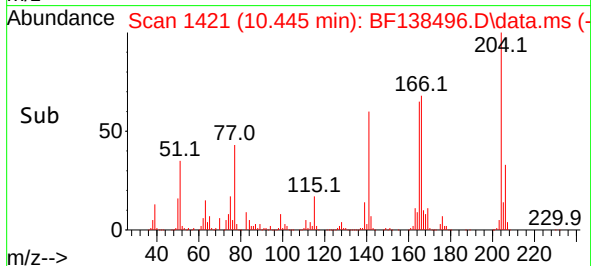
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



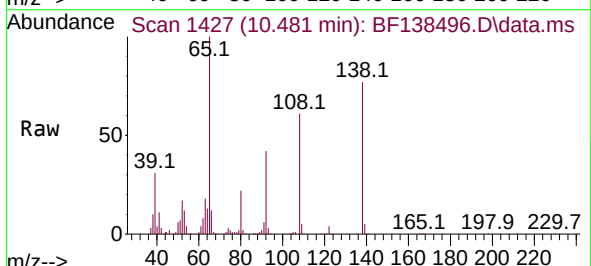
Tgt Ion:204 Resp: 342777  
Ion Ratio Lower Upper  
204 100  
206 33.0 25.6 38.4  
141 60.1 47.7 71.5

Manual Integrations  
APPROVED

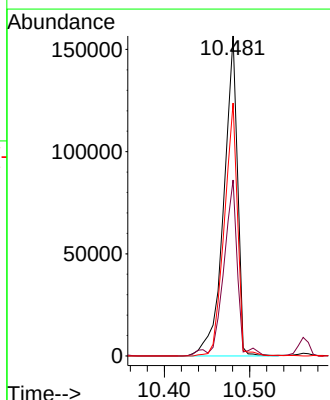
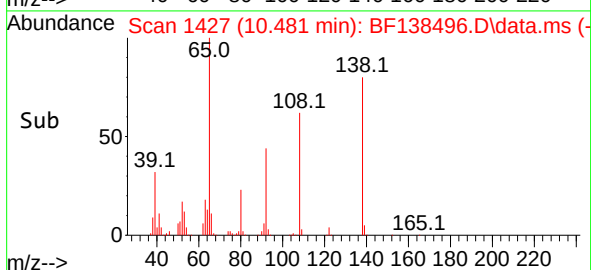
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

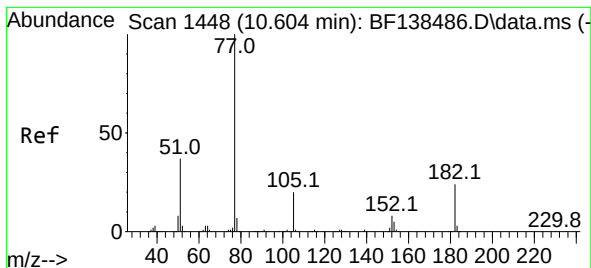


#62  
4-Nitroaniline  
Concen: 49.530 ng  
RT: 10.481 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



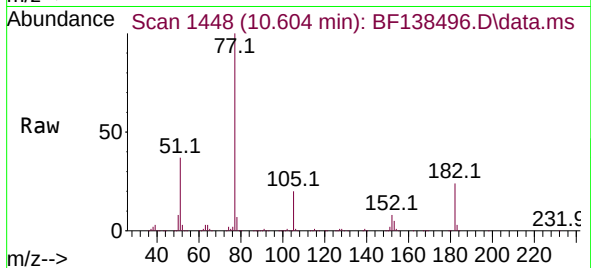
Tgt Ion:138 Resp: 175900  
Ion Ratio Lower Upper  
138 100  
92 55.0 35.8 75.8  
108 79.0 59.8 99.8





#63  
Azobenzene  
Concen: 49.060 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

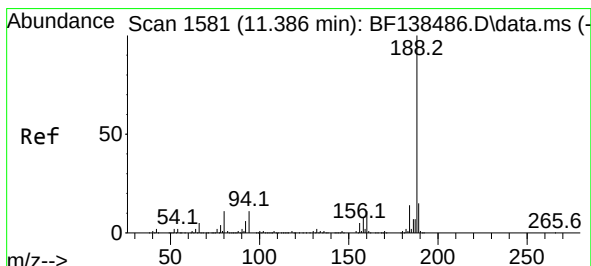
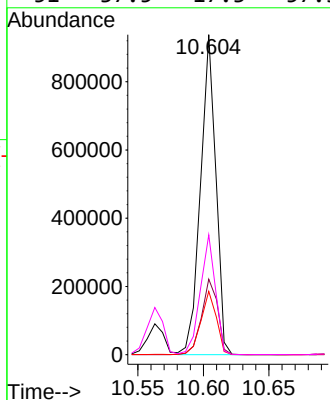
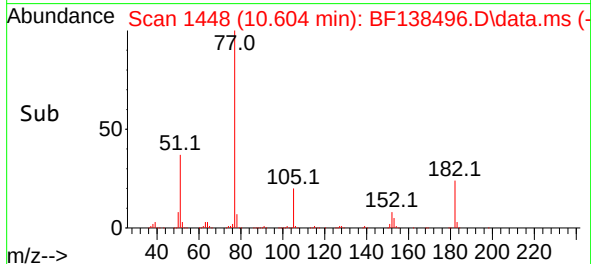
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



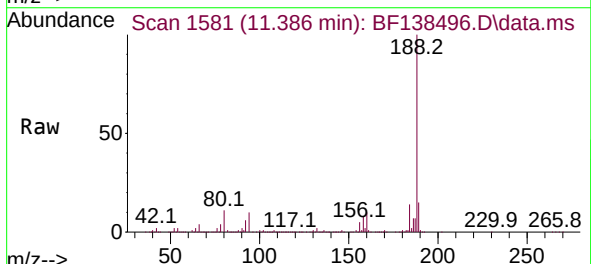
Tgt Ion: 77 Resp: 763650  
Ion Ratio Lower Upper  
77 100  
182 23.6 3.8 43.8  
105 19.8 0.0 39.8  
51 37.5 17.3 57.3

Manual Integrations  
APPROVED

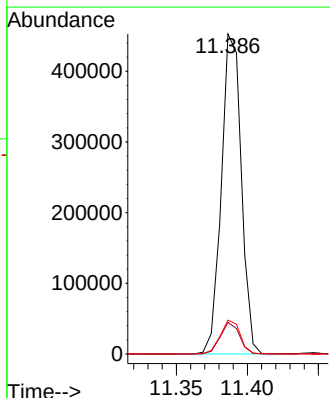
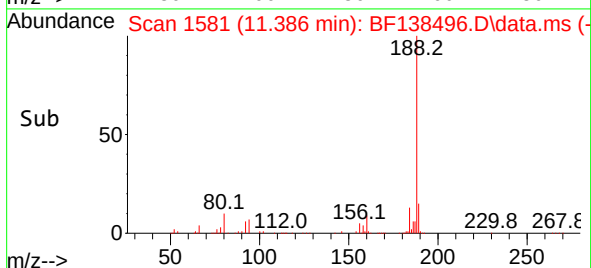
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

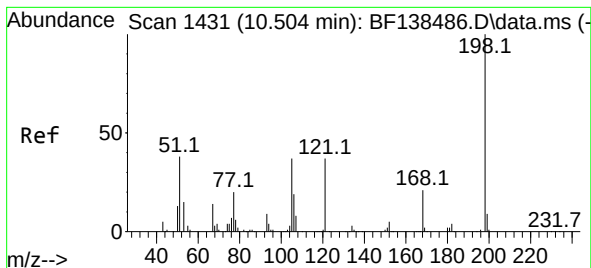


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



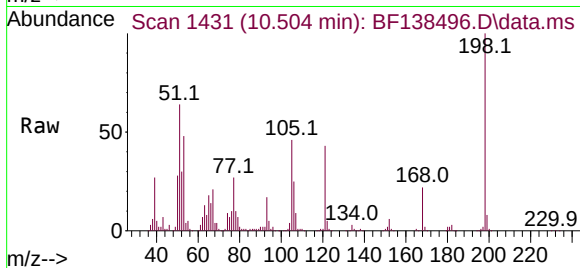
Tgt Ion:188 Resp: 440947  
Ion Ratio Lower Upper  
188 100  
94 9.9 8.7 13.1  
80 10.5 9.0 13.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 53.619 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

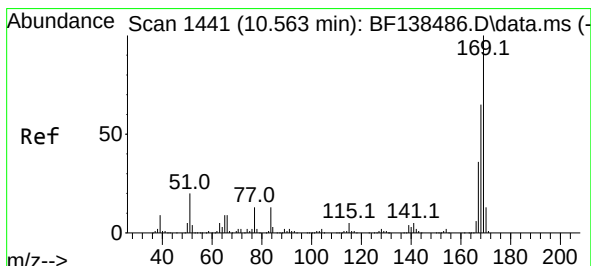
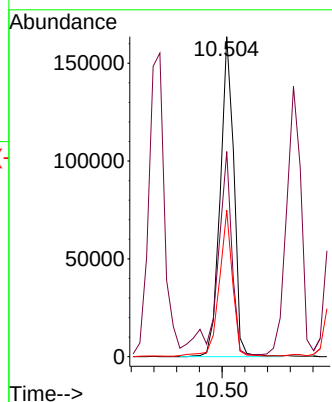
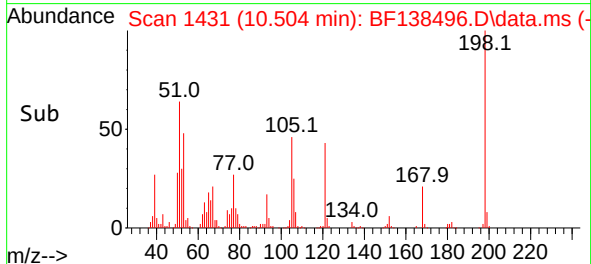
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion:198 Resp: 136517  
Ion Ratio Lower Upper  
198 100  
51 64.1 27.2 67.2  
105 45.7 18.5 58.5

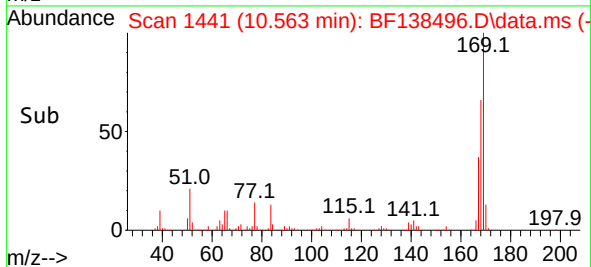
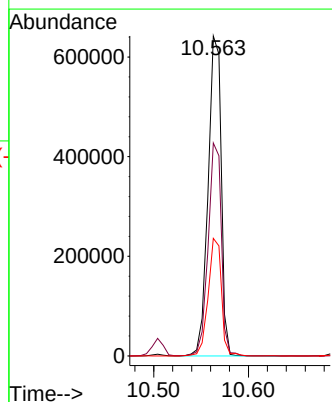
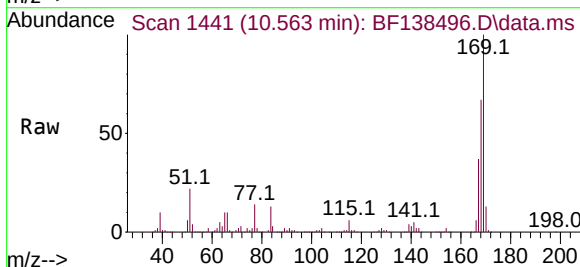
Manual Integrations  
APPROVED

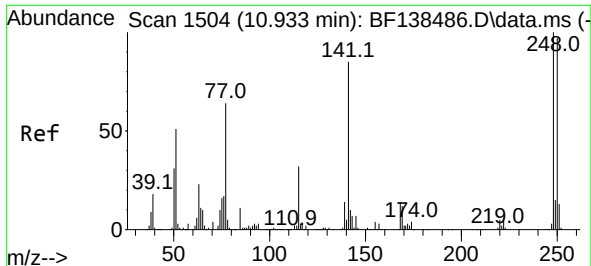
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#66  
n-Nitrosodiphenylamine  
Concen: 46.564 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

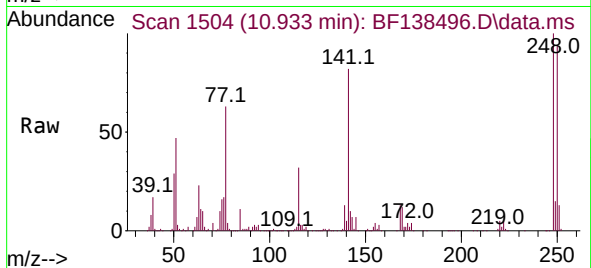
Tgt Ion:169 Resp: 615165  
Ion Ratio Lower Upper  
169 100  
168 66.6 51.7 77.5  
167 36.7 28.5 42.7





#67  
4-Bromophenyl-phenylether  
Concen: 46.276 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

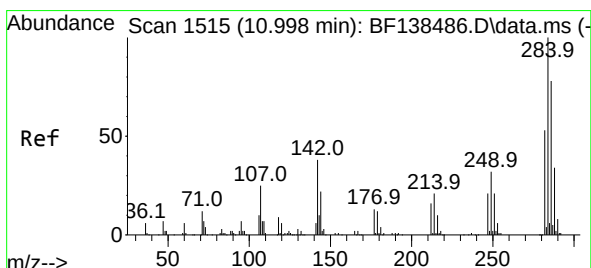
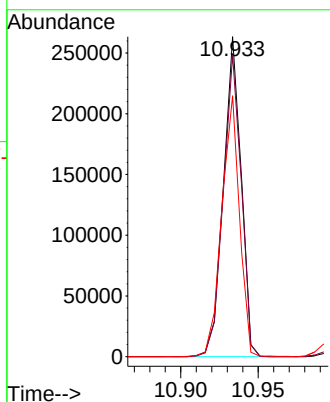
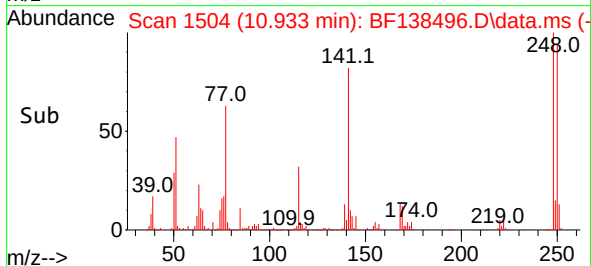
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



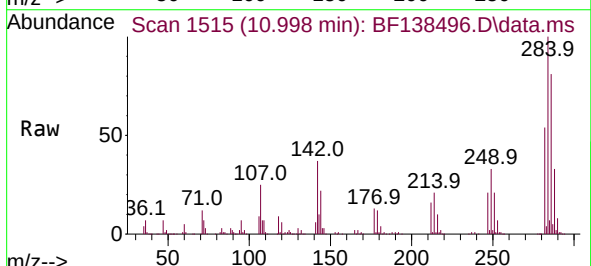
Tgt Ion:248 Resp: 209720  
Ion Ratio Lower Upper  
248 100  
250 94.3 77.9 116.9  
141 81.5 67.7 101.5

Manual Integrations  
APPROVED

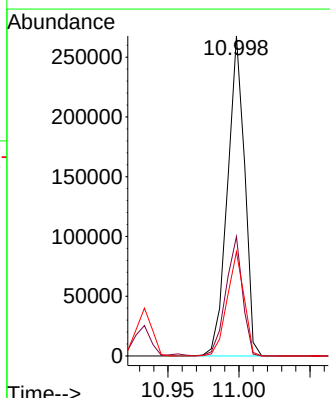
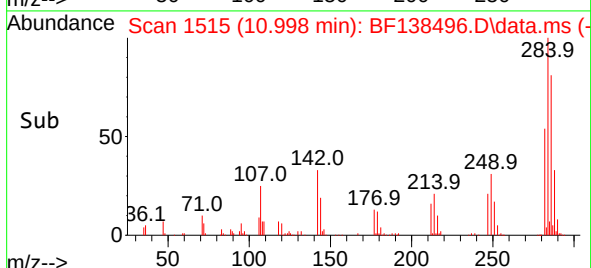
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

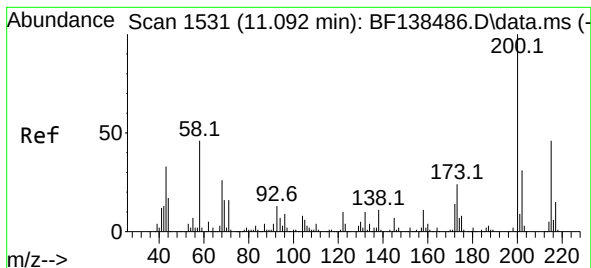


#68  
Hexachlorobenzene  
Concen: 44.547 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:284 Resp: 224287  
Ion Ratio Lower Upper  
284 100  
142 37.3 30.5 45.7  
249 32.6 25.9 38.9





#69

Atrazine

Concen: 49.353 ng

RT: 11.092 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion:200 Resp: 216169

Ion Ratio Lower Upper

200 100

173 25.9 4.1 44.1

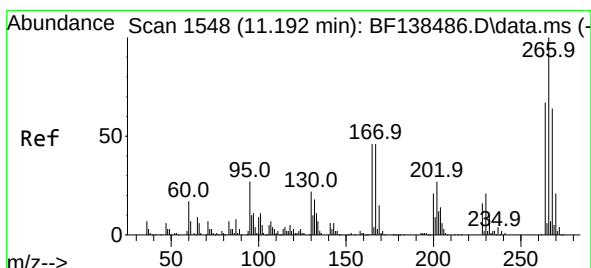
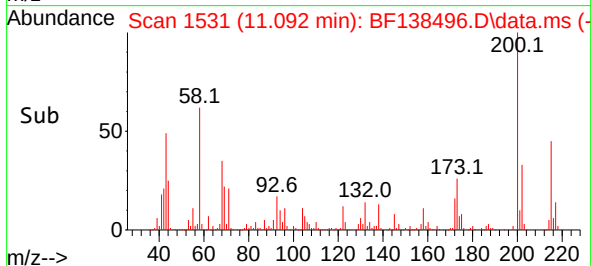
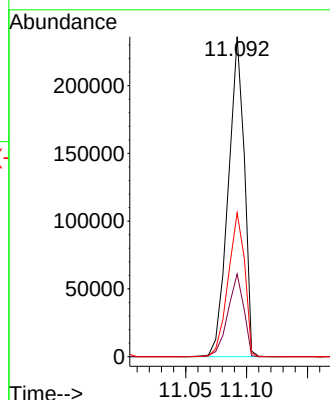
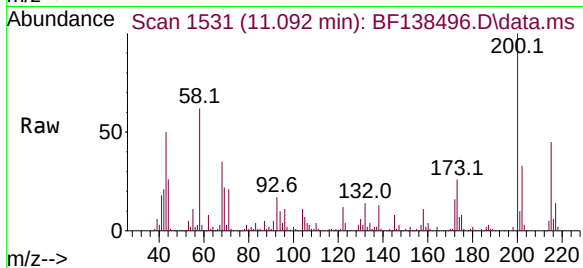
215 45.0 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#70

Pentachlorophenol

Concen: 88.788 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

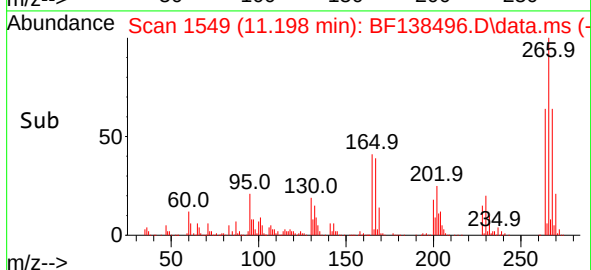
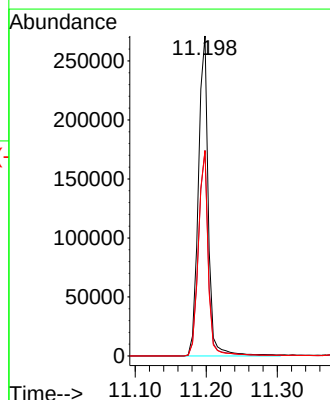
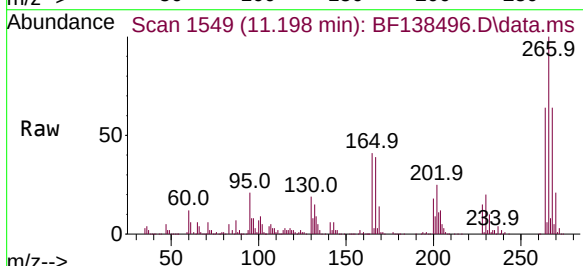
Tgt Ion:266 Resp: 264523

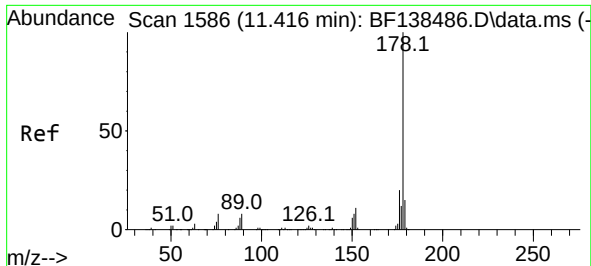
Ion Ratio Lower Upper

266 100

268 64.2 50.9 76.3

264 64.2 53.5 80.3





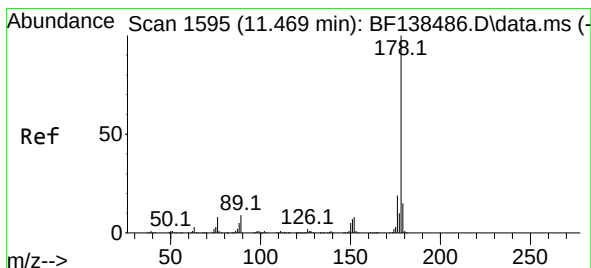
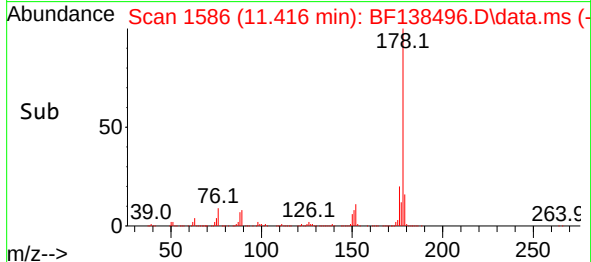
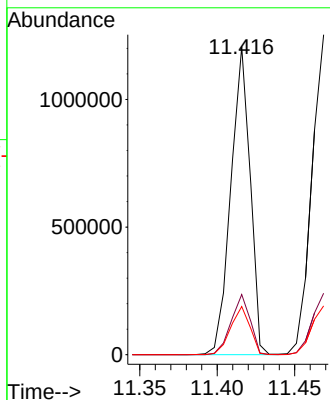
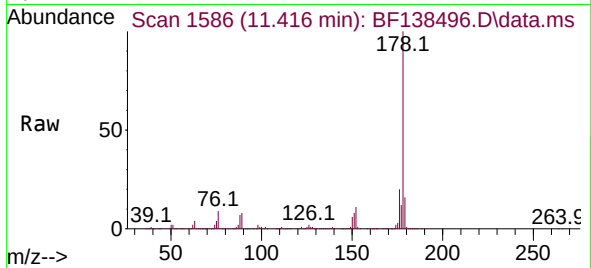
#71  
Phenanthrene  
Concen: 46.899 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD

Tgt Ion:178 Resp: 104476  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.7 23.5  
179 15.6 12.2 18.2

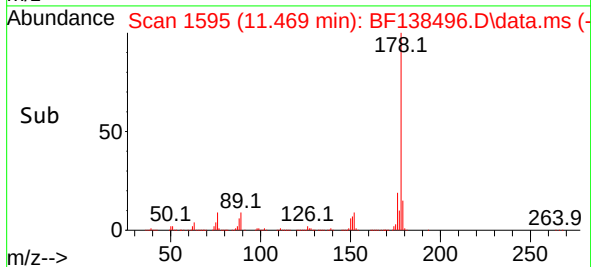
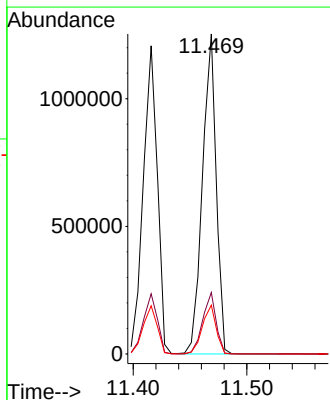
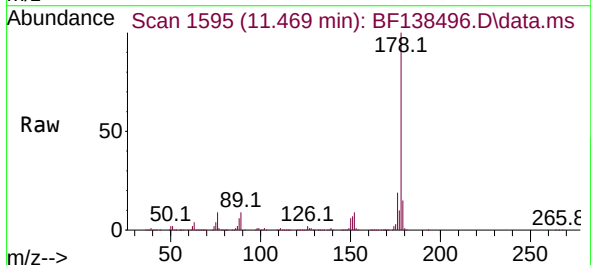
Manual Integrations  
APPROVED

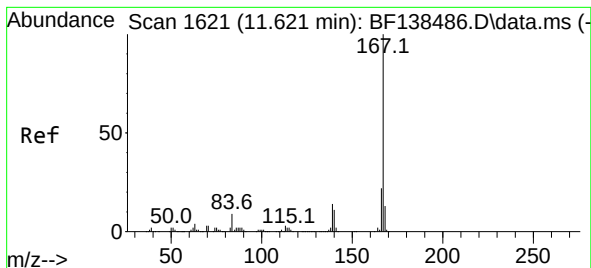
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#72  
Anthracene  
Concen: 47.630 ng  
RT: 11.469 min Scan# 1595  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:178 Resp: 1053270  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.8 22.2  
179 15.3 12.2 18.4





#73

Carbazole

Concen: 46.947 ng

RT: 11.622 min Scan# 1621

Delta R.T. 0.000 min

Lab File: BF138496.D

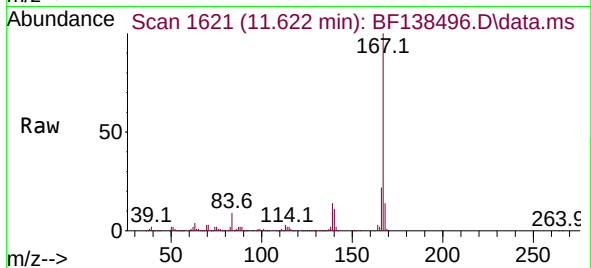
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



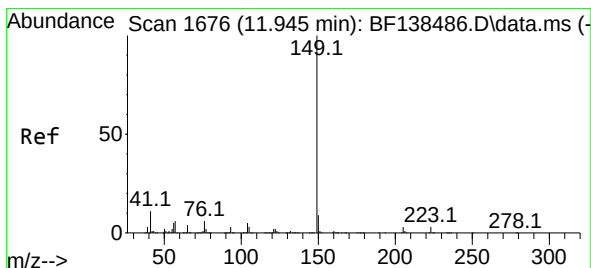
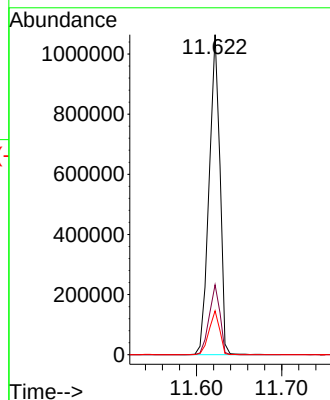
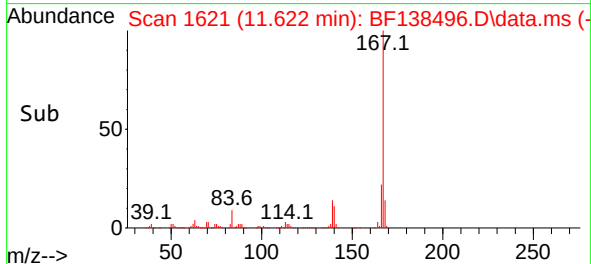
|             |                |
|-------------|----------------|
| Tgt Ion:167 | Resp: 93295    |
| Ion Ratio   | Lower Upper    |
| 167         | 100            |
| 166         | 21.8 17.8 26.6 |
| 139         | 13.7 11.0 16.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#74

Di-n-butylphthalate

Concen: 48.537 ng

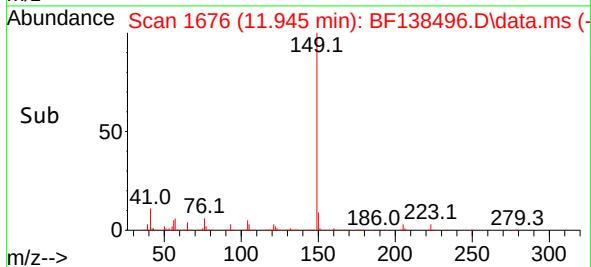
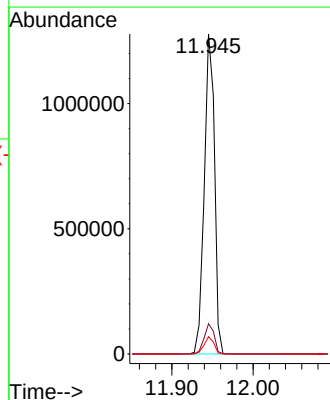
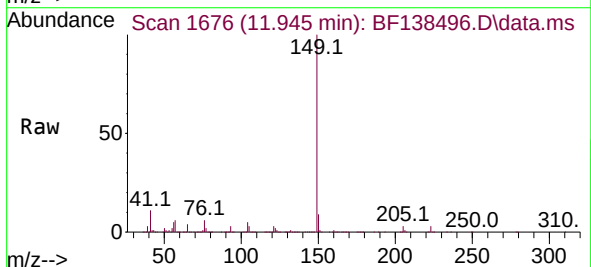
RT: 11.945 min Scan# 1676

Delta R.T. 0.000 min

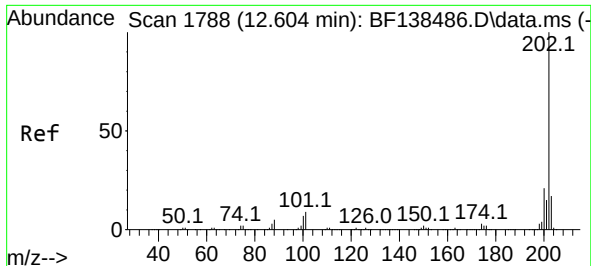
Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

|             |               |
|-------------|---------------|
| Tgt Ion:149 | Resp: 1111829 |
| Ion Ratio   | Lower Upper   |
| 149         | 100           |
| 150         | 9.5 7.4 11.0  |
| 104         | 5.4 4.4 6.6   |

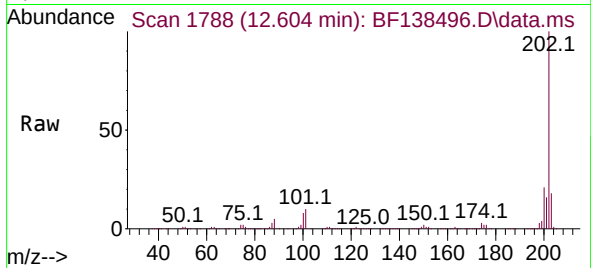






#75  
Fluoranthene  
Concen: 46.564 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

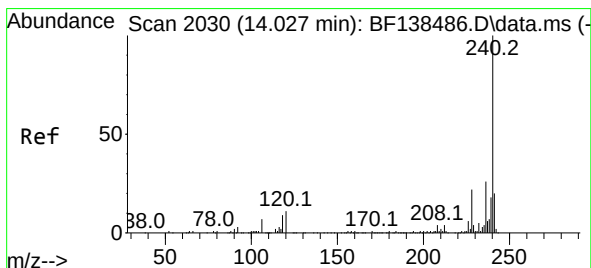
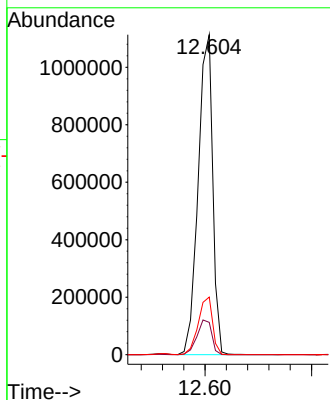
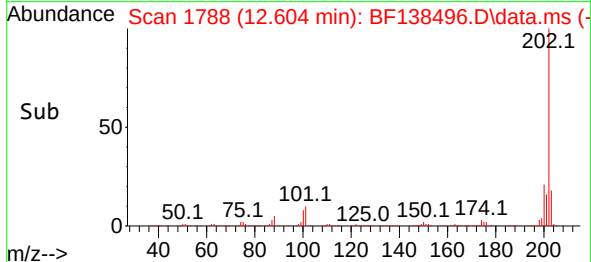
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



Tgt Ion:202 Resp: 1058469  
Ion Ratio Lower Upper  
202 100  
101 10.1 0.0 29.2  
203 18.0 0.0 37.3

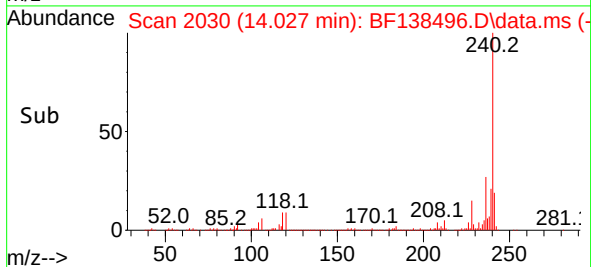
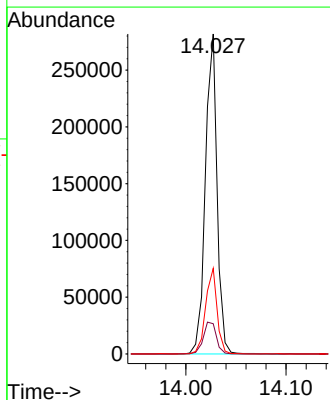
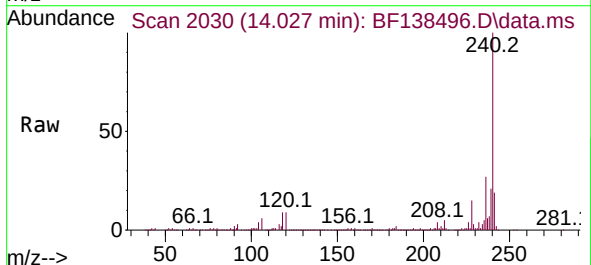
Manual Integrations  
APPROVED

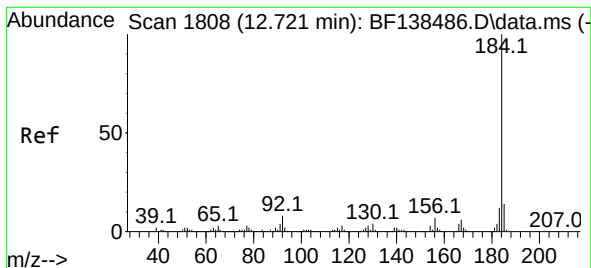
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:240 Resp: 228856  
Ion Ratio Lower Upper  
240 100  
120 9.5 8.6 12.8  
236 26.8 21.0 31.6





#77

Benzidine

Concen: 30.654 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.001 min

Lab File: BF138496.D

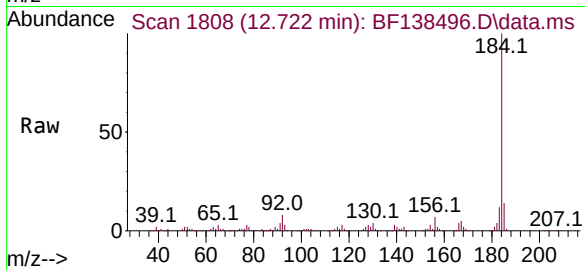
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



Tgt Ion:184 Resp: 176990

Ion Ratio Lower Upper

184 100

185 14.1 11.3 16.9

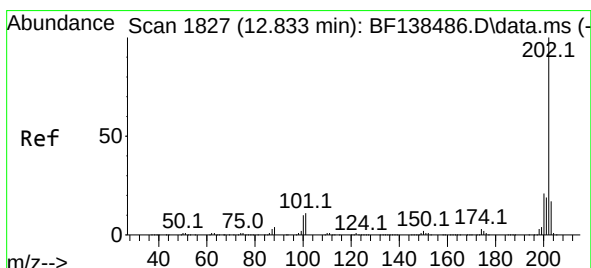
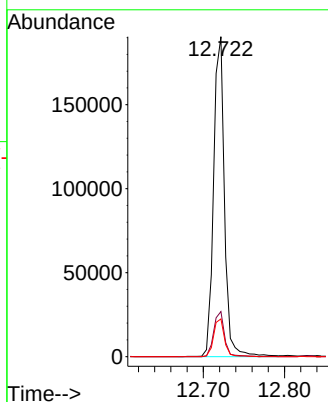
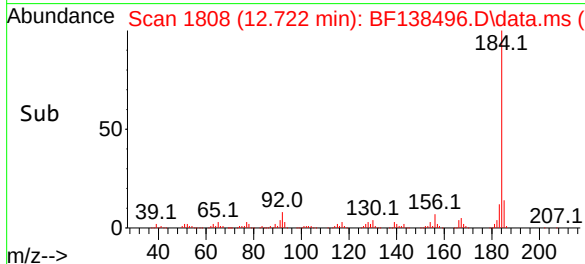
183 11.8 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#78

Pyrene

Concen: 46.135 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

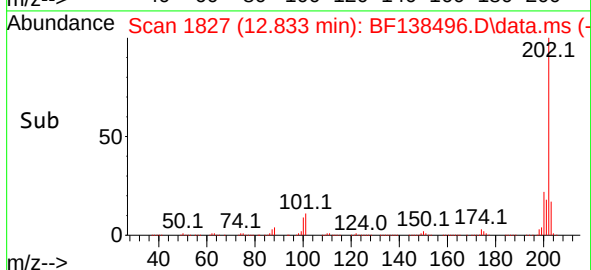
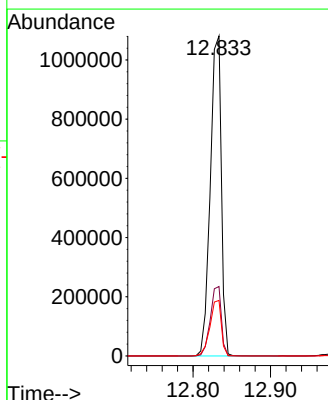
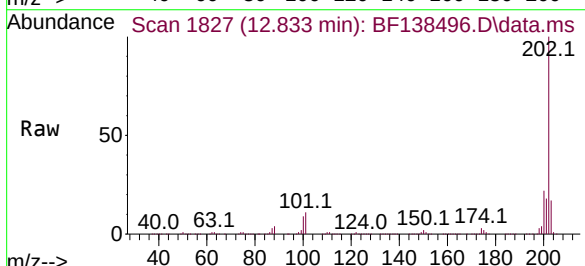
Tgt Ion:202 Resp: 1071817

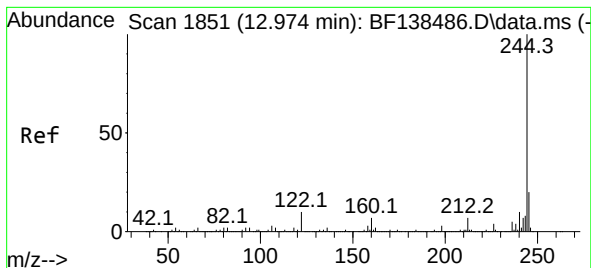
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.6

203 17.3 13.7 20.5





#79

Terphenyl-d14

Concen: 103.026 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF138496.D

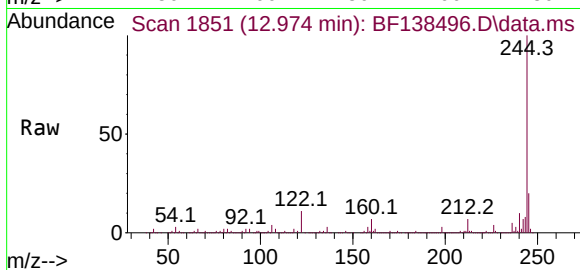
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



Tgt Ion:244 Resp: 144729

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

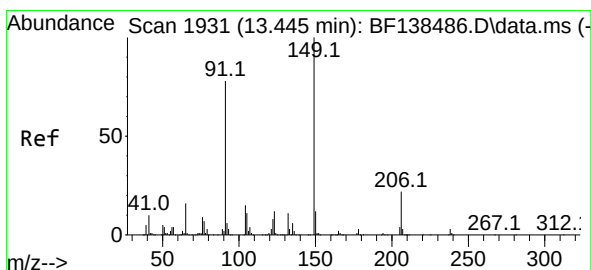
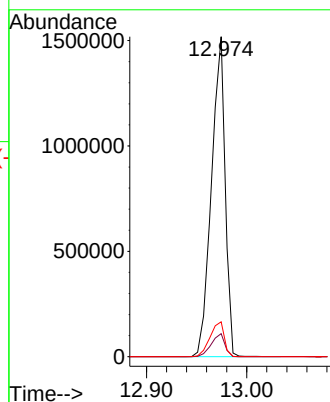
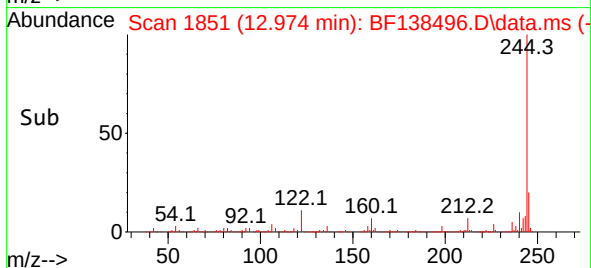
122 10.9 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#80

Butylbenzylphthalate

Concen: 55.762 ng

RT: 13.445 min Scan# 1931

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

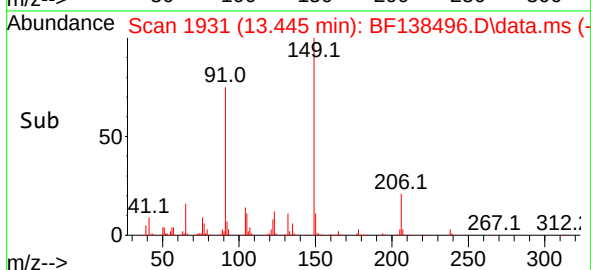
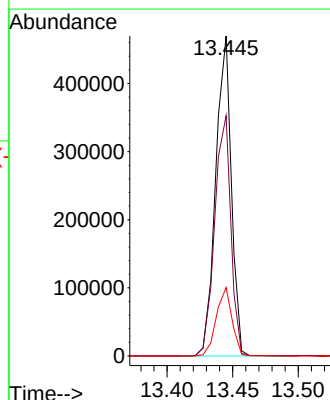
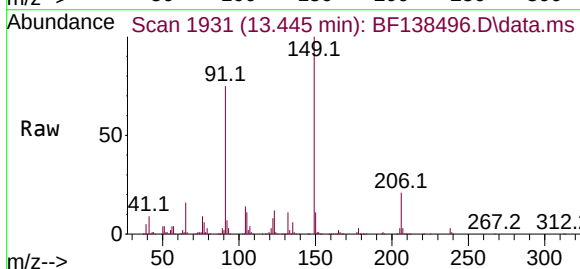
Tgt Ion:149 Resp: 389702

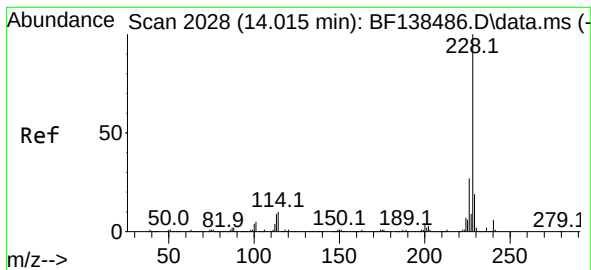
Ion Ratio Lower Upper

149 100

91 75.1 62.1 93.1

206 21.4 18.0 27.0





#81

Benzo(a)anthracene

Concen: 48.117 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF138496.D

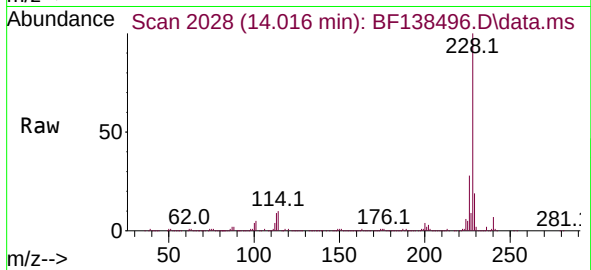
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD



Tgt Ion:228 Resp: 738892

Ion Ratio Lower Upper

228 100

226 27.9 21.9 32.9

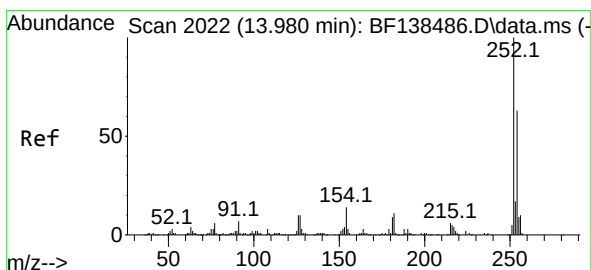
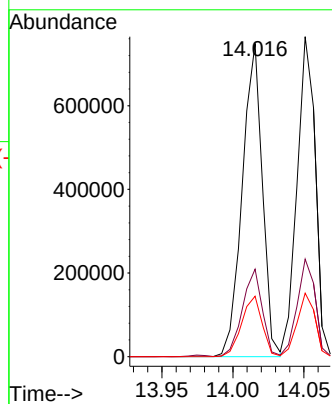
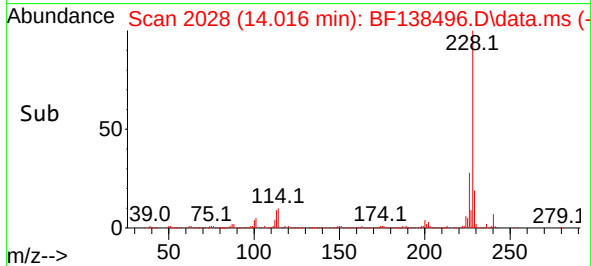
229 19.3 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.775 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

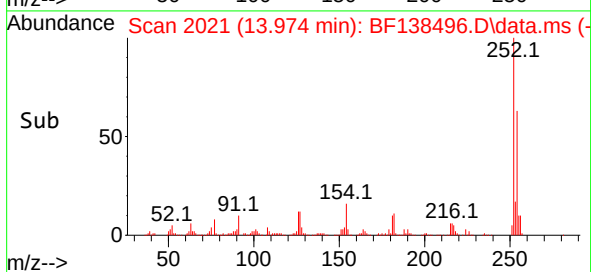
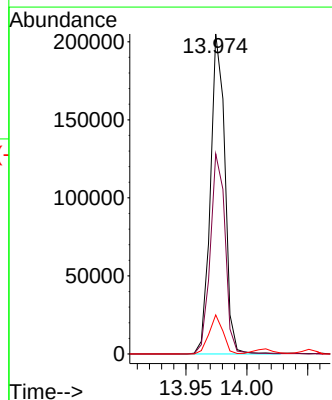
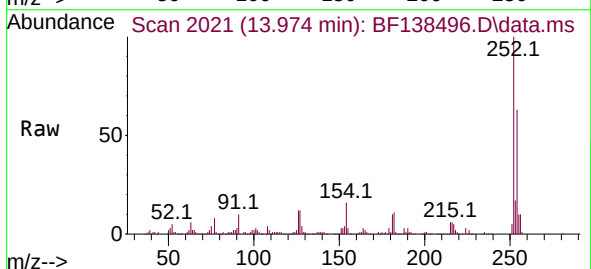
Tgt Ion:252 Resp: 169257

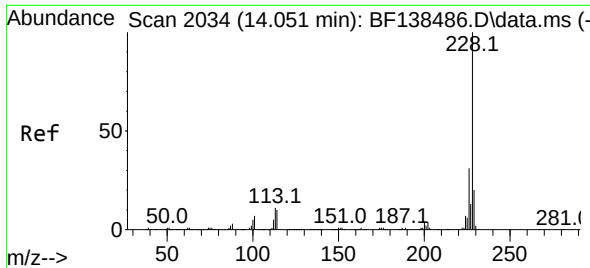
Ion Ratio Lower Upper

252 100

254 62.5 50.3 75.5

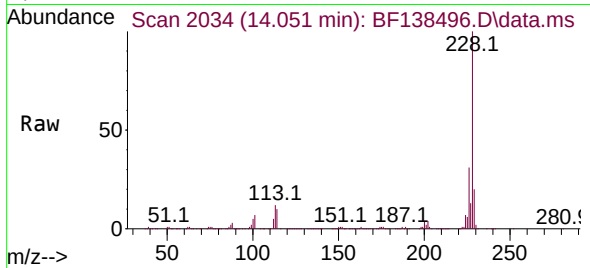
126 12.2 8.1 12.1#





#83  
Chrysene  
Concen: 47.304 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

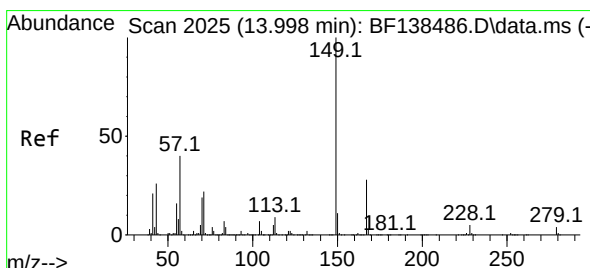
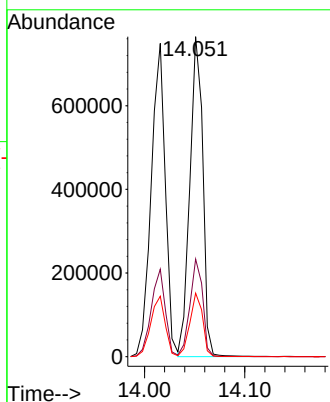
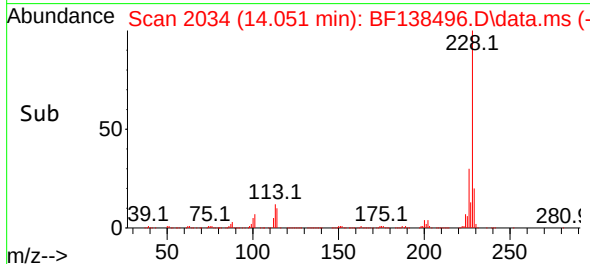
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



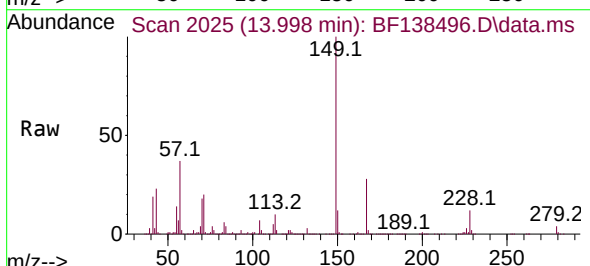
Tgt Ion:228 Resp: 68718  
Ion Ratio Lower Upper  
228 100  
226 30.5 24.4 36.6  
229 19.9 16.0 24.0

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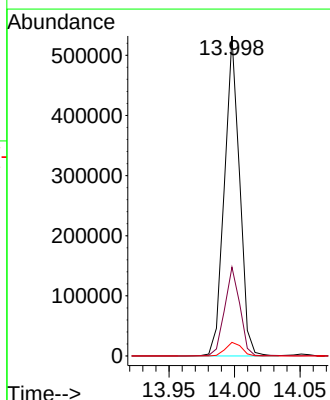
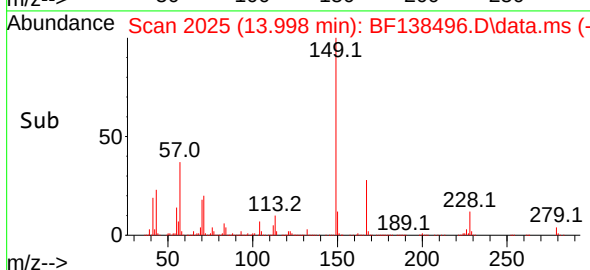
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

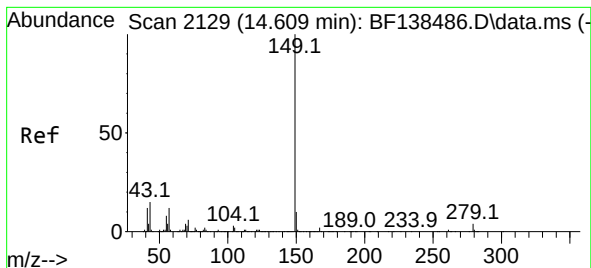


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 57.282 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



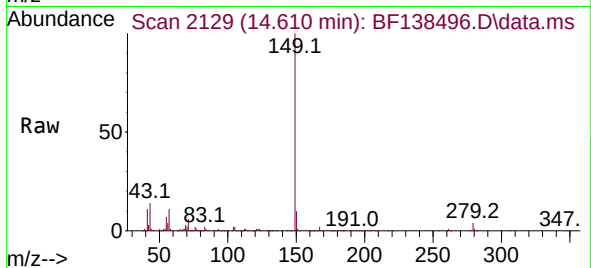
Tgt Ion:149 Resp: 426948  
Ion Ratio Lower Upper  
149 100  
167 27.8 22.5 33.7  
279 4.2 3.0 4.6





#85  
Di-n-octyl phthalate  
Concen: 47.511 ng  
RT: 14.610 min Scan# 2129  
Delta R.T. 0.001 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

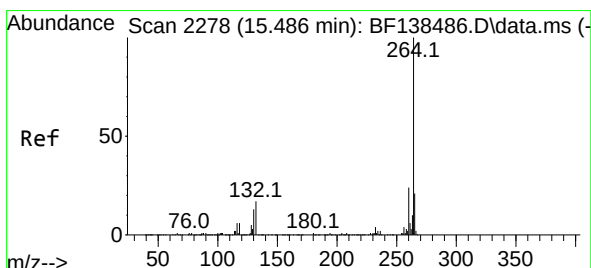
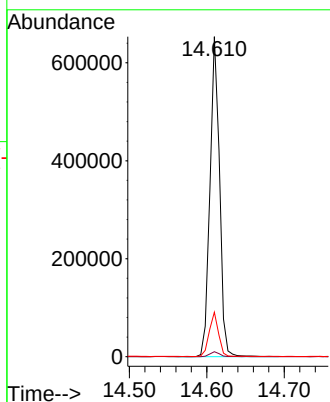
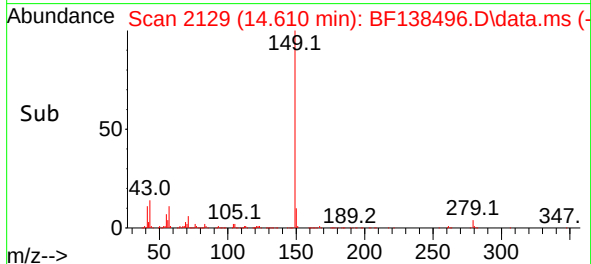
Instrument :  
BNA\_F  
ClientSampleId :  
PB161493BSD



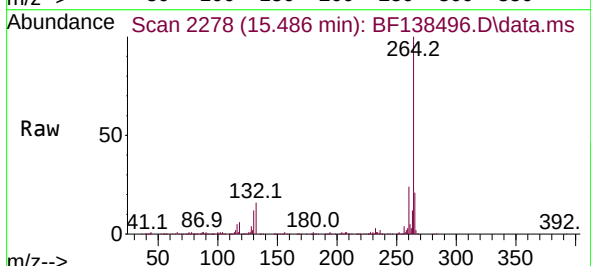
Tgt Ion:149 Resp: 55942  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 13.4 10.7 16.1

Manual Integrations  
APPROVED

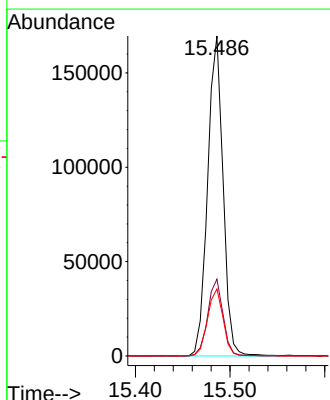
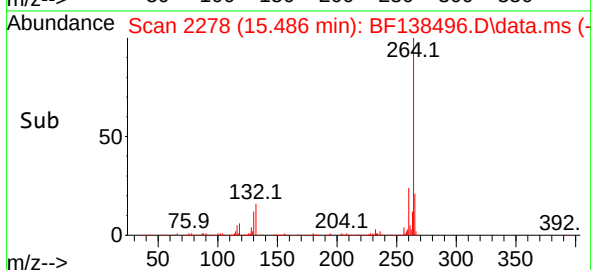
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024

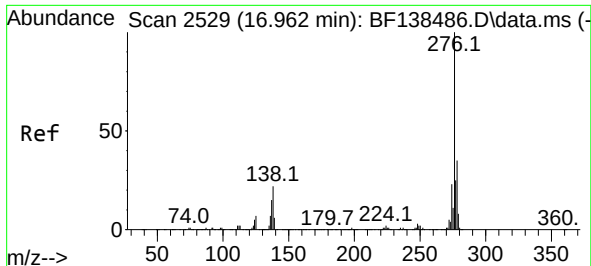


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23



Tgt Ion:264 Resp: 191780  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.0 28.6  
265 21.0 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 53.310 ng  
RT: 16.962 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

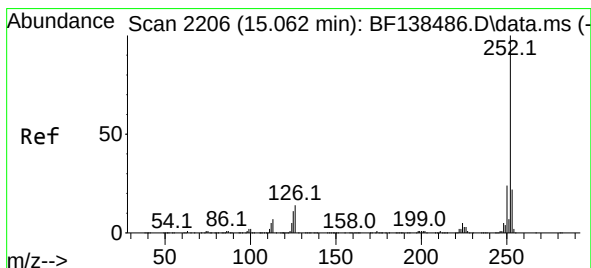
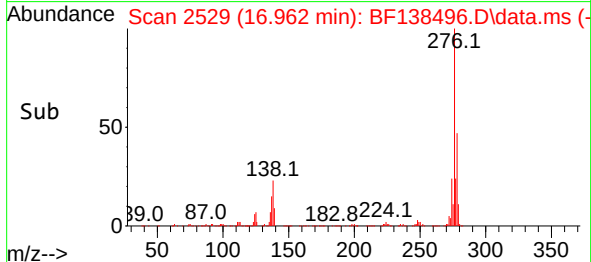
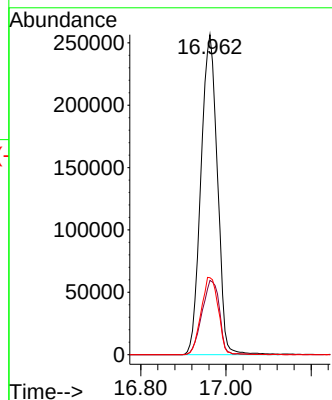
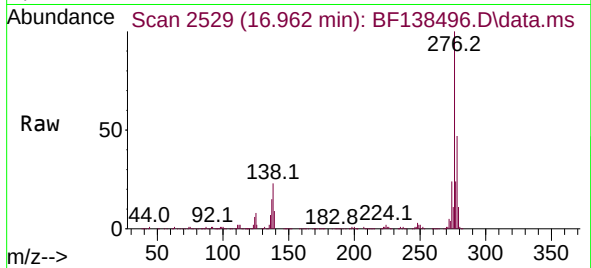
ClientSampleId :

PB161493BSD

Tgt Ion:276 Resp: 686738  
Ion Ratio Lower Upper  
276 100  
138 24.5 19.6 29.4  
277 25.2 20.5 30.7

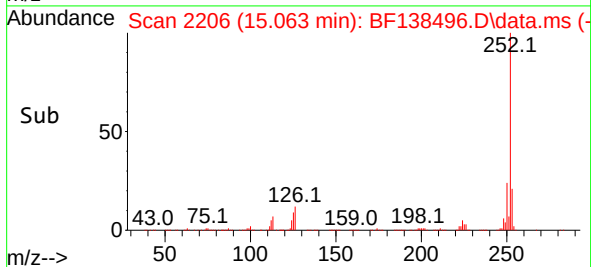
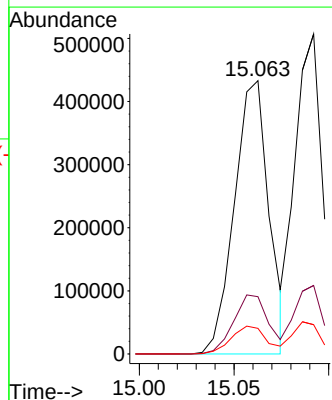
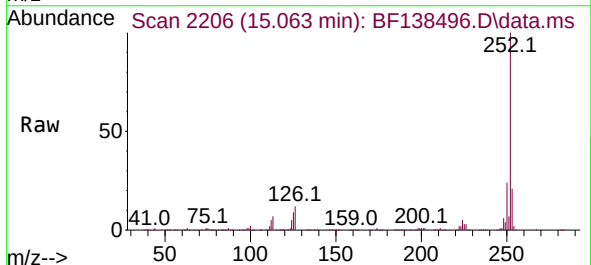
Manual Integrations  
APPROVED

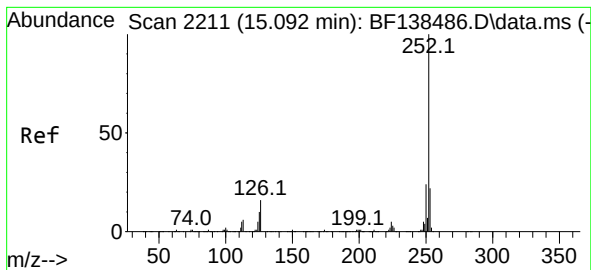
Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#88  
Benzo(b)fluoranthene  
Concen: 50.876 ng  
RT: 15.063 min Scan# 2206  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:252 Resp: 549488  
Ion Ratio Lower Upper  
252 100  
253 21.0 17.3 25.9  
125 9.4 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 48.746 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

ClientSampleId :

PB161493BSD

Tgt Ion:252 Resp: 513460

Ion Ratio Lower Upper

252 100

253 21.4 17.7 26.5

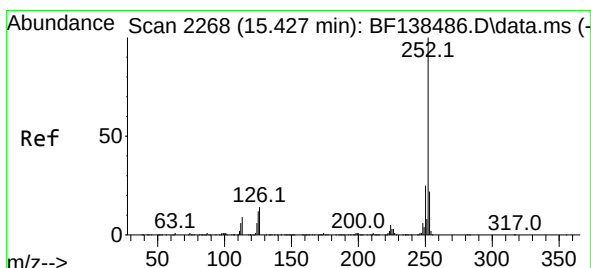
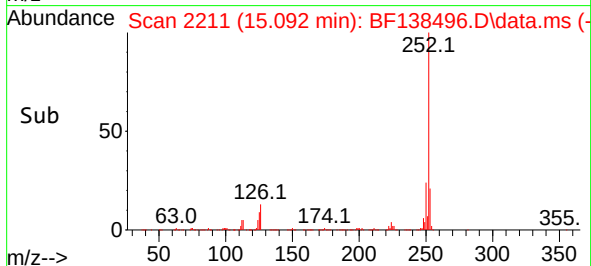
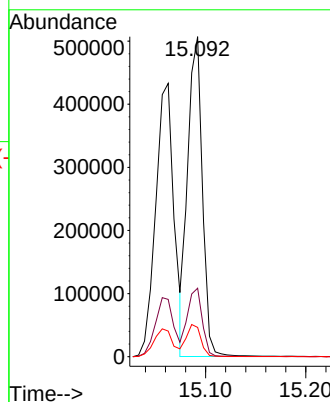
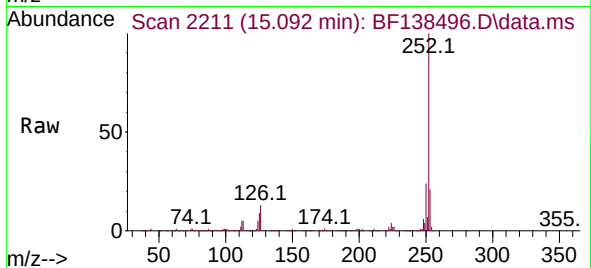
125 9.2 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/11/2024

Supervised By :mohammad ahmed 07/11/2024



#90

Benzo(a)pyrene

Concen: 49.632 ng

RT: 15.427 min Scan# 2268

Delta R.T. 0.000 min

Lab File: BF138496.D

Acq: 10 Jul 2024 12:23

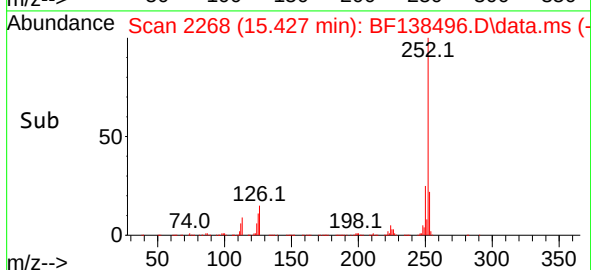
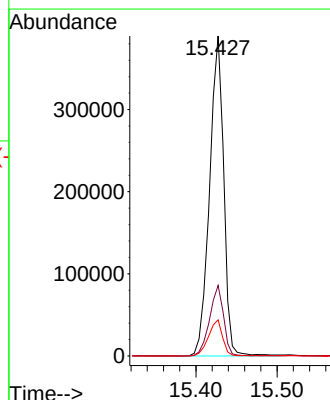
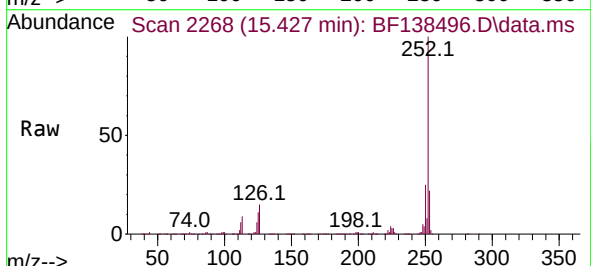
Tgt Ion:252 Resp: 470896

Ion Ratio Lower Upper

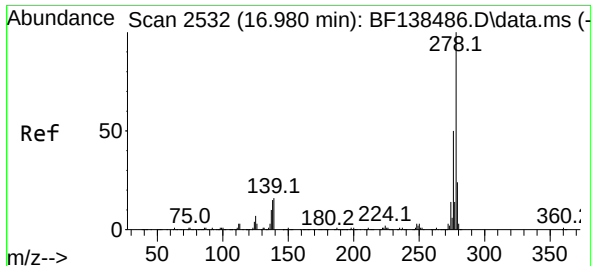
252 100

253 22.1 17.4 26.0

125 11.3 9.4 14.2







#91  
Dibenzo(a,h)anthracene  
Concen: 54.120 ng  
RT: 16.980 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Instrument :

BNA\_F

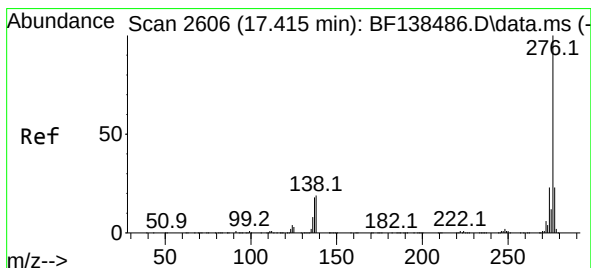
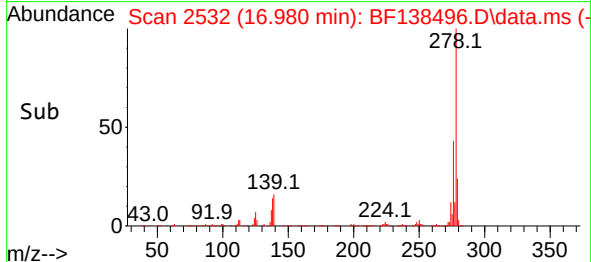
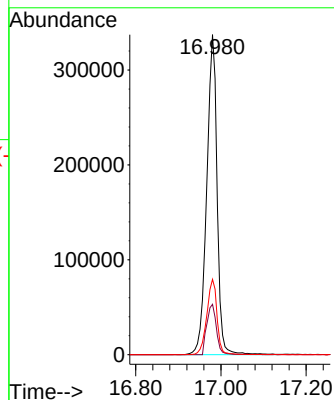
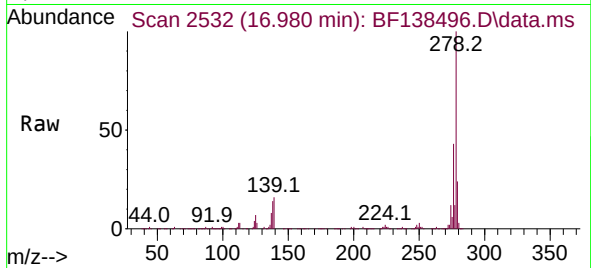
ClientSampleId :

PB161493BSD

Tgt Ion:278 Resp: 57028  
Ion Ratio Lower Upper  
278 100  
139 15.7 12.8 19.2  
279 23.6 19.1 28.7

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 07/11/2024  
Supervised By :mohammad ahmed 07/11/2024



#92  
Benzo(g,h,i)perylene  
Concen: 51.501 ng  
RT: 17.410 min Scan# 2605  
Delta R.T. -0.006 min  
Lab File: BF138496.D  
Acq: 10 Jul 2024 12:23

Tgt Ion:276 Resp: 575470  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.0 27.0  
138 22.2 15.5 23.3

