

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032224\  
 Data File : BF137682.D  
 Acq On : 22 Mar 2024 15:26  
 Operator : CG\JU  
 Sample : P1827-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11933MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/26/2024  
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 15:52:36 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 14 14:45:20 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 193602   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 728839   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.763  | 164  | 390519   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 573985   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 336291   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.304 | 264  | 372839   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1037123  | 81.134 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.375  | 99   | 1403943  | 76.087 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 874258   | 55.735 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 282409   | 82.349 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1268245  | 50.837 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 936709   | 38.302 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.481  | 88   | 268991   | 38.485 | ng    | 97       |
| 3) Pyridine                   | 3.181  | 79   | 623691   | 36.999 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.151  | 42   | 279045   | 41.431 | ng    | # 97     |
| 6) Aniline                    | 6.392  | 93   | 419074   | 18.587 | ng    | # 37     |
| 8) 2-Chlorophenol             | 6.516  | 128  | 606068   | 44.952 | ng    | 99       |
| 9) Benzaldehyde               | 6.275  | 77   | 114627   | 12.680 | ng    | 98       |
| 10) Phenol                    | 6.387  | 94   | 809855   | 40.778 | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 620556   | 42.640 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.669  | 146  | 633424   | 43.966 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 650831   | 44.152 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 615449   | 45.488 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 556758   | 48.468 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.004  | 45   | 900795   | 36.008 | ng    | 89       |
| 17) 2-Methylphenol            | 6.992  | 107  | 481552   | 38.170 | ng    | 96       |
| 18) Hexachloroethane          | 7.234  | 117  | 227049   | 46.778 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.151  | 70   | 448687   | 39.379 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 575054   | 39.799 | ng    | # 78     |
| 22) Acetophenone              | 7.145  | 105  | 807281   | 45.778 | ng    | 98       |
| 24) Nitrobenzene              | 7.316  | 77   | 677390   | 42.988 | ng    | 99       |
| 25) Isophorone                | 7.557  | 82   | 1271409  | 42.664 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.634  | 139  | 313980   | 50.189 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.675  | 122  | 422574   | 36.150 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 767475   | 43.893 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.875  | 162  | 494651   | 46.107 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.951  | 180  | 526252   | 46.613 | ng    | 99       |
| 31) Naphthalene               | 8.034  | 128  | 1689068  | 43.193 | ng    | 100      |
| 32) Benzoic acid              | 7.828  | 122  | 308947   | 46.171 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.086  | 127  | 121730   | 7.939  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.145  | 225  | 311022   | 46.663 | ng    | 99       |
| 35) Caprolactam               | 8.469  | 113  | 167696m  | 46.098 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.581  | 107  | 537262   | 44.802 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 1061129  | 42.566 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 972047   | 41.405 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 522397   | 47.916 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.875  | 237  | 277677   | 64.223 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.004  | 196  | 337489   | 47.536 | ng    | 99       |

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Manual Integrations  
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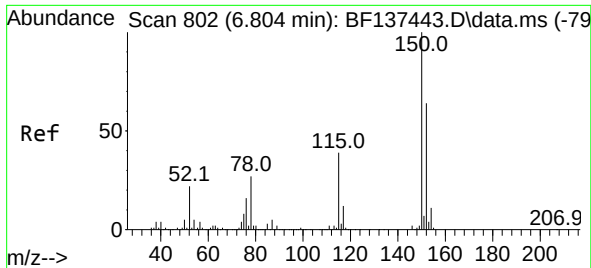
Reviewed By :Yogesh Patel 03/26/2024  
 Supervised By :mohammad ahmed 03/26/2024

Quant Time: Mar 22 15:52:36 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 360311   | 44.056 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.192  | 154  | 1281220  | 44.825 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 996244   | 45.716 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.316  | 65   | 341417   | 46.095 | ng    | 97       |
| 49) Acenaphthylene            | 9.628  | 152  | 1543405  | 44.256 | ng    | 100      |
| 50) Dimethylphthalate         | 9.498  | 163  | 1200412  | 44.158 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 258384   | 45.443 | ng    | 99       |
| 52) Acenaphthene              | 9.798  | 154  | 884418   | 42.479 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.727  | 138  | 144331   | 23.998 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.839  | 184  | 194294   | 71.081 | ng    | 93       |
| 55) Dibenzofuran              | 9.975  | 168  | 1307919  | 41.245 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.904  | 139  | 325978   | 76.400 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 309166   | 44.258 | ng    | 92       |
| 58) Fluorene                  | 10.316 | 166  | 1006533  | 41.330 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.092 | 232  | 283018   | 43.154 | ng    | 95       |
| 60) Diethylphthalate          | 10.192 | 149  | 1108693  | 43.188 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204  | 502385   | 42.092 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.345 | 138  | 183363   | 35.473 | ng    | 95       |
| 63) Azobenzene                | 10.469 | 77   | 1183630  | 40.041 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198  | 146447   | 45.778 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.427 | 169  | 899439   | 48.663 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 318104   | 50.883 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.857 | 284  | 322737   | 51.112 | ng    | 94       |
| 69) Atrazine                  | 10.957 | 200  | 283420   | 50.441 | ng    | 97       |
| 70) Pentachlorophenol         | 11.057 | 266  | 324274   | 84.952 | ng    | 99       |
| 71) Phenanthrene              | 11.274 | 178  | 1428500  | 45.730 | ng    | 100      |
| 72) Anthracene                | 11.327 | 178  | 1406779  | 43.849 | ng    | 99       |
| 73) Carbazole                 | 11.480 | 167  | 1174041  | 42.722 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.816 | 149  | 1562579  | 47.791 | ng    | 100      |
| 75) Fluoranthene              | 12.457 | 202  | 1306798  | 42.798 | ng    | 98       |
| 77) Benzidine                 | 12.586 | 184  | 442178   | 53.729 | ng    | 98       |
| 78) Pyrene                    | 12.686 | 202  | 1319063  | 39.974 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.310 | 149  | 500672   | 59.412 | ng    | 93       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1092620  | 46.356 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 285778   | 45.529 | ng    | 99       |
| 83) Chrysene                  | 13.910 | 228  | 1093662  | 45.909 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.868 | 149  | 677697   | 63.270 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 14.480 | 149  | 1246831  | 58.950 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.704 | 276  | 901552   | 36.745 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 14.904 | 252  | 1171880  | 53.135 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.927 | 252  | 1006393  | 42.483 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.251 | 252  | 995554   | 45.806 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.715 | 278  | 716451   | 35.997 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.121 | 276  | 665009   | 32.534 | ng    | 98       |

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





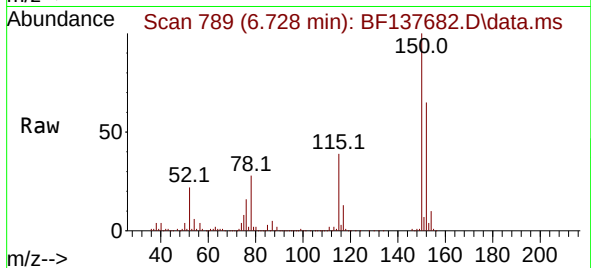
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.728 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
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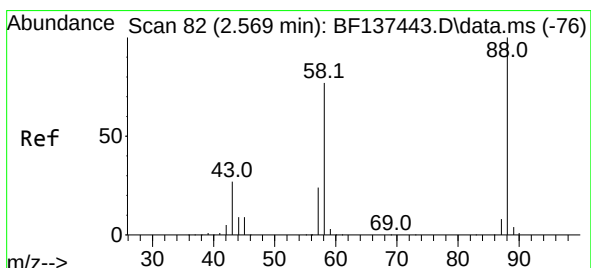
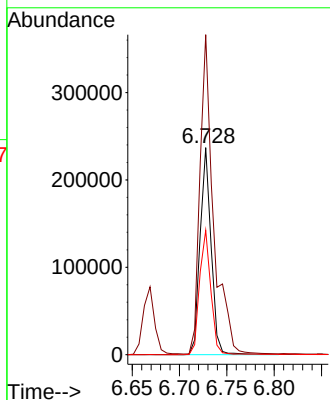
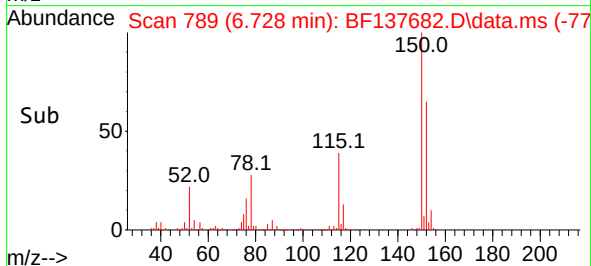
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Ion Ratio Lower Upper  
152 100  
150 154.6 125.8 188.6  
115 60.1 48.8 73.2

Manual Integrations

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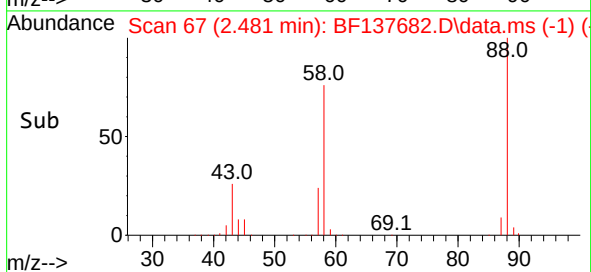
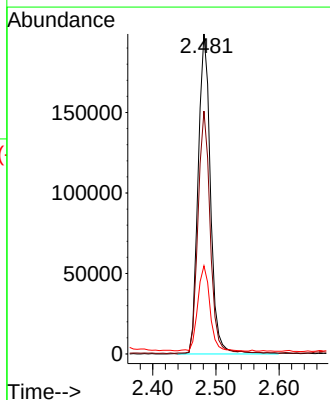
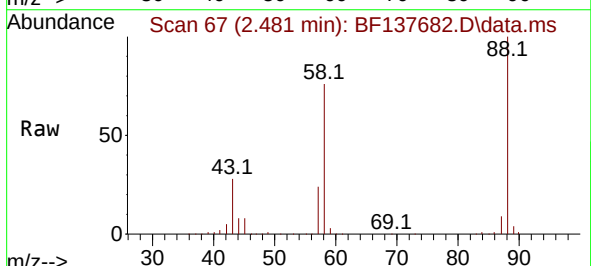
Reviewed By :Yogesh Patel 03/26/2024

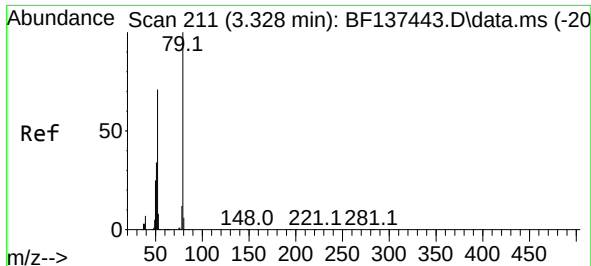
Supervised By :mohammad ahmed 03/26/2024



#2  
1,4-Dioxane  
Concen: 38.485 ng  
RT: 2.481 min Scan# 67  
Delta R.T. 0.112 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion: 88 Resp: 268991  
Ion Ratio Lower Upper  
88 100  
58 75.1 61.8 92.8  
43 26.4 22.2 33.4





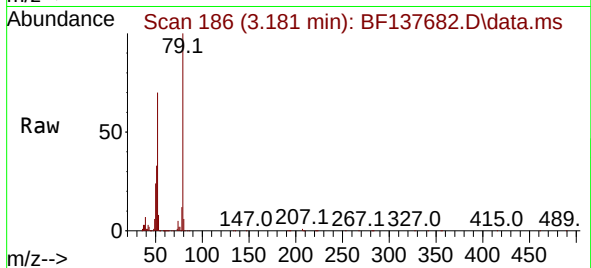
#3  
Pyridine  
Concen: 36.999 ng  
RT: 3.181 min Scan# 186  
Delta R.T. 0.112 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

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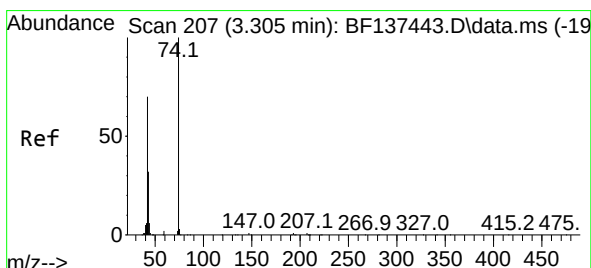
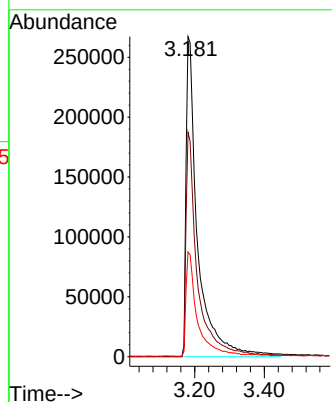
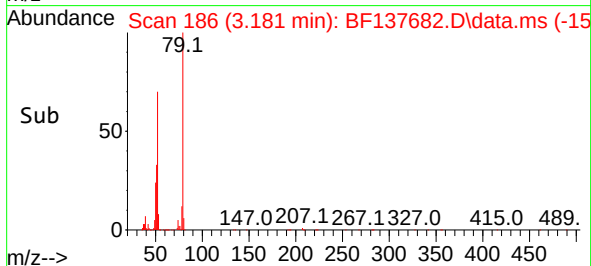
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Ion Ratio Lower Upper  
79 100  
52 70.1 57.0 85.4  
51 32.7 27.5 41.3

Manual Integrations

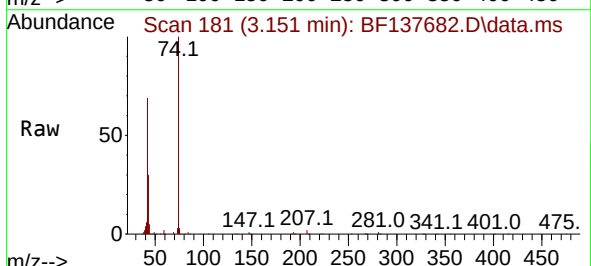
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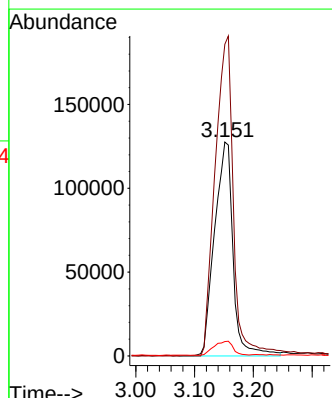
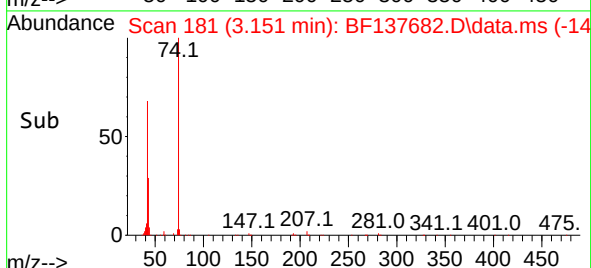
Supervised By :mohammad ahmed 03/26/2024

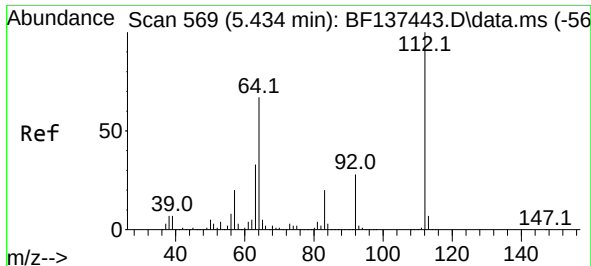


#4  
n-Nitrosodimethylamine  
Concen: 41.431 ng  
RT: 3.151 min Scan# 181  
Delta R.T. 0.112 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion: 42 Resp: 279045  
Ion Ratio Lower Upper  
42 100  
74 145.8 114.0 171.0  
44 6.8 7.0 10.4





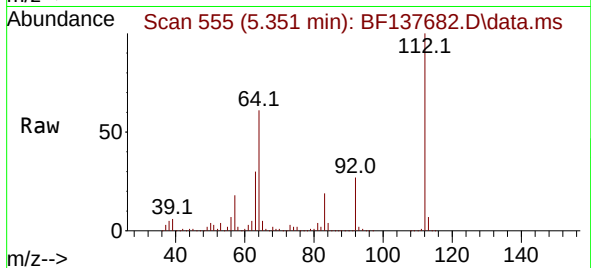
#5  
2-Fluorophenol  
Concen: 81.134 ng  
RT: 5.351 min Scan# 51  
Delta R.T. 0.017 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

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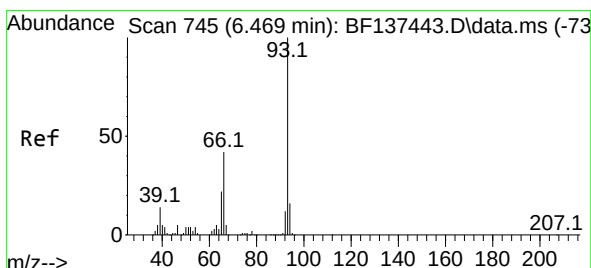
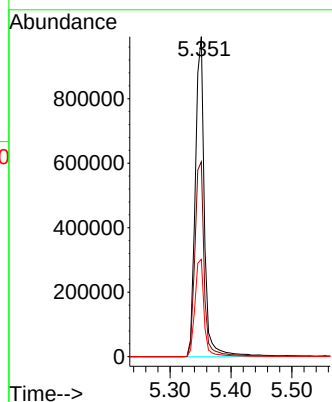
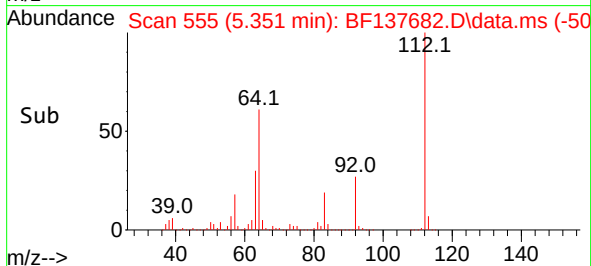
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Ion Ratio Lower Upper  
112 100  
64 60.9 53.4 80.2  
63 30.4 26.2 39.2

Manual Integrations

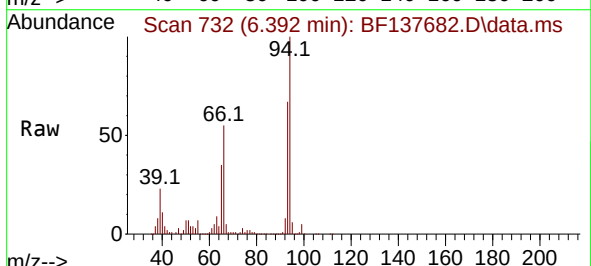
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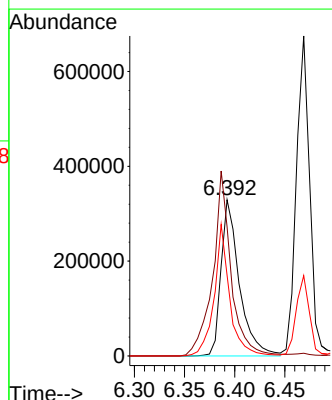
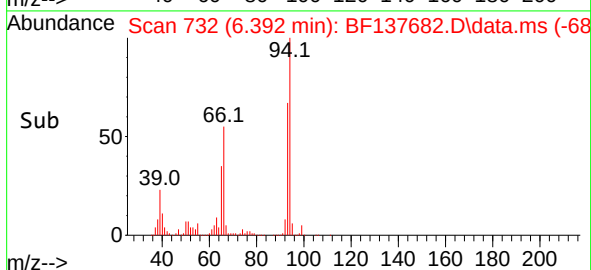
Supervised By :mohammad ahmed 03/26/2024

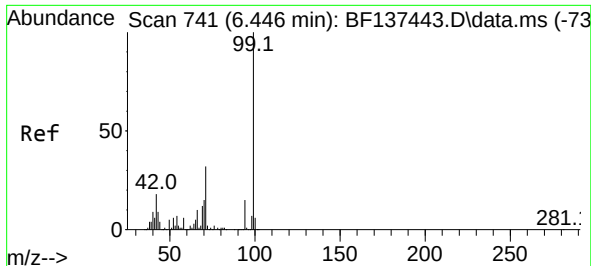


#6  
Aniline  
Concen: 18.587 ng  
RT: 6.392 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion: 93 Resp: 419074  
Ion Ratio Lower Upper  
93 100  
66 82.7 34.0 51.0#  
65 51.7 17.8 26.8#





#7

Phenol-d6

Concen: 76.087 ng

RT: 6.375 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF137682.D

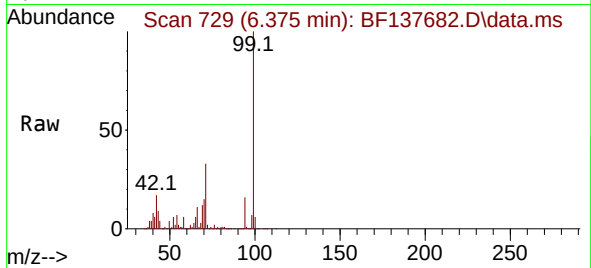
Acq: 22 Mar 2024 15:26

Instrument :

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Tgt Ion: 99 Resp: 140394

Ion Ratio Lower Upper

99 100

42 17.5 14.6 21.8

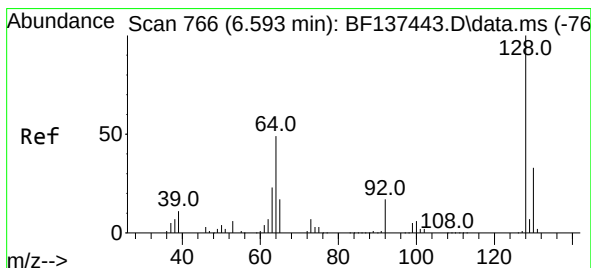
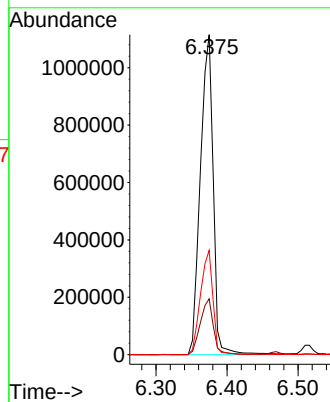
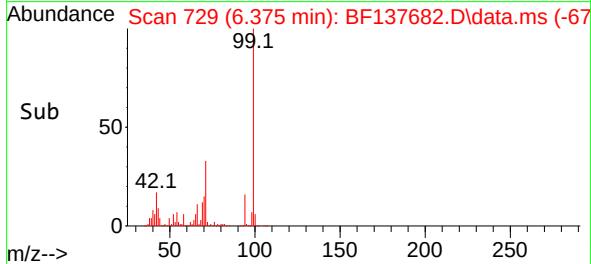
71 32.6 25.3 37.9

Manual Integrations

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#8

2-Chlorophenol

Concen: 44.952 ng

RT: 6.516 min Scan# 753

Delta R.T. 0.006 min

Lab File: BF137682.D

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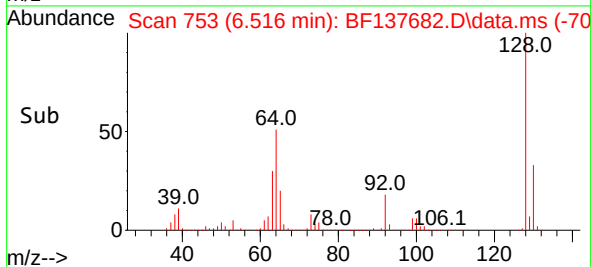
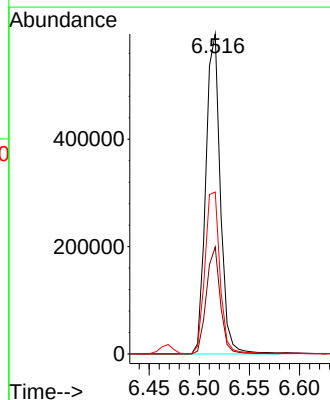
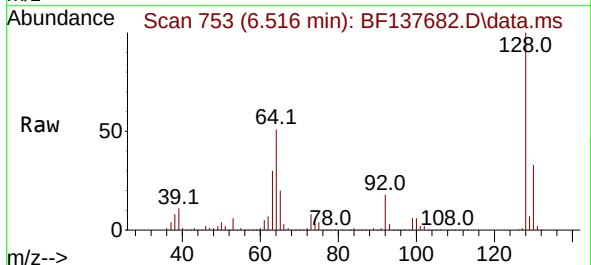
Tgt Ion:128 Resp: 606068

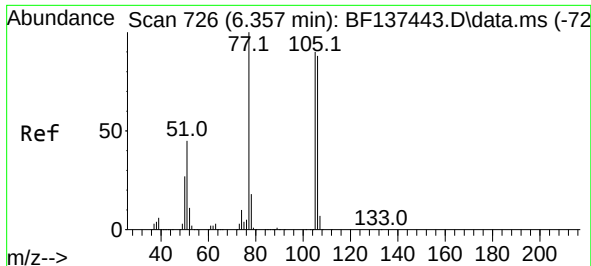
Ion Ratio Lower Upper

128 100

130 33.4 13.4 53.4

64 50.6 30.0 70.0





#9

Benzaldehyde

Concen: 12.680 ng

RT: 6.275 min Scan# 712

Delta R.T. -0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

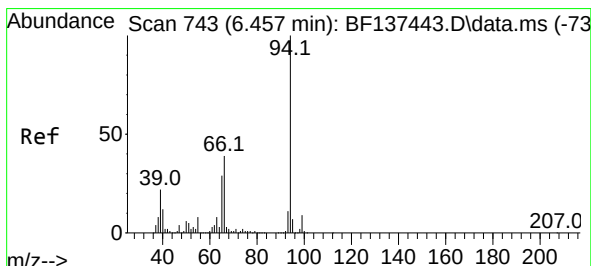
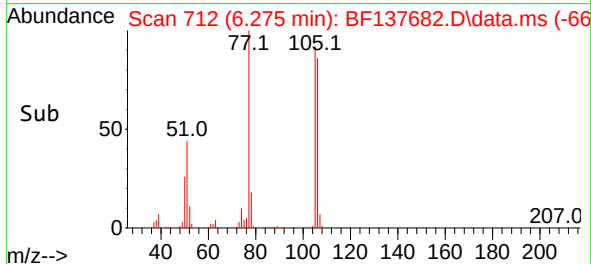
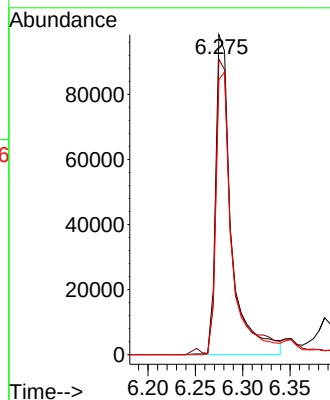
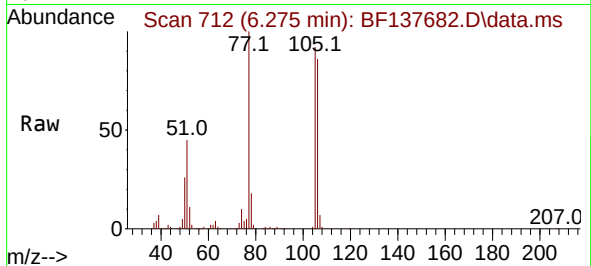
ClientSampleId :

72-11933MS

|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 11462 |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 105 92.3    | 69.8 109.8  |
| 106 85.9    | 67.8 107.8  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#10

Phenol

Concen: 40.778 ng

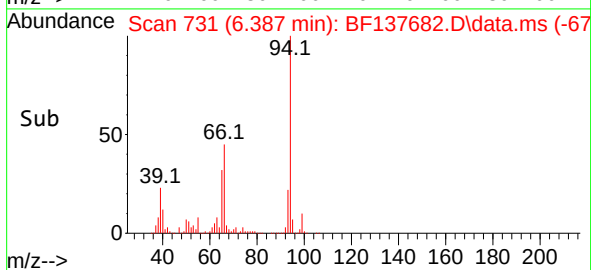
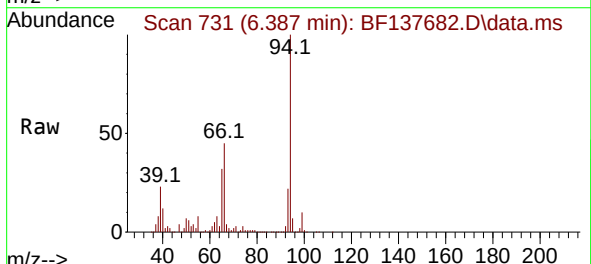
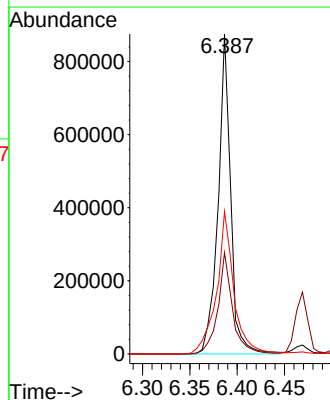
RT: 6.387 min Scan# 731

Delta R.T. 0.006 min

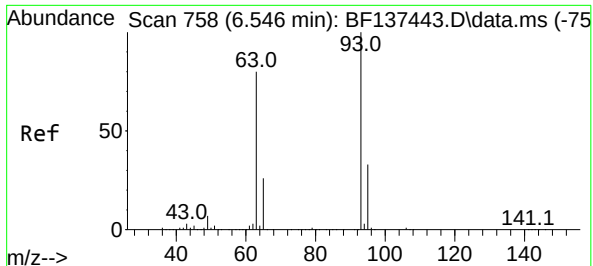
Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

|             |              |
|-------------|--------------|
| Tgt Ion: 94 | Resp: 809855 |
| Ion Ratio   | Lower Upper  |
| 94 100      |              |
| 65 31.7     | 8.7 48.7     |
| 66 44.6     | 18.6 58.6    |







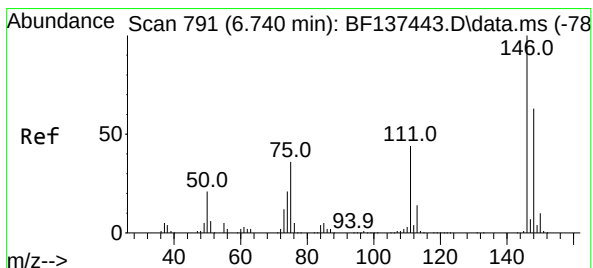
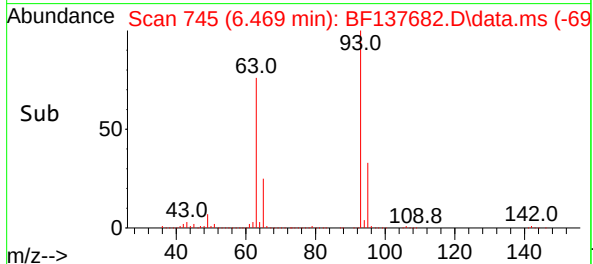
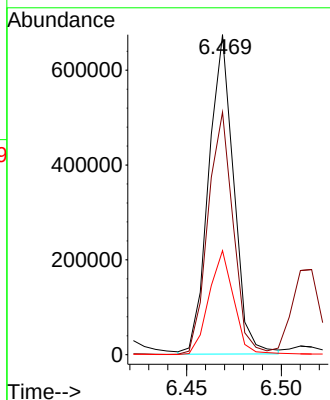
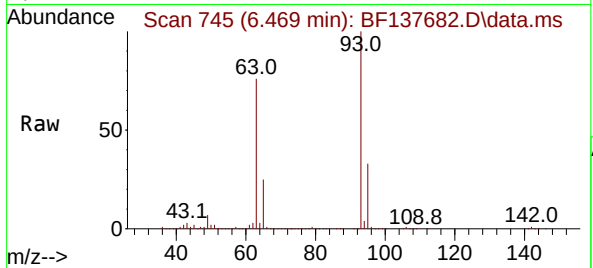
#11  
bis(2-Chloroethyl)ether  
Concen: 42.640 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS

Tgt Ion: 93 Resp: 620550  
Ion Ratio Lower Upper  
93 100  
63 75.8 58.9 98.9  
95 32.5 12.2 52.2

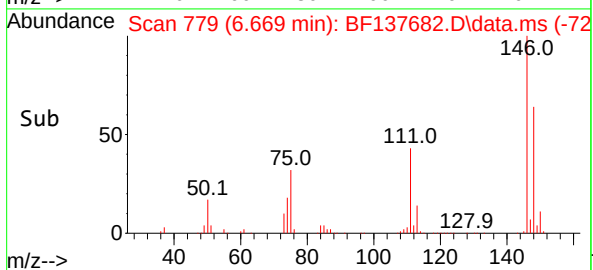
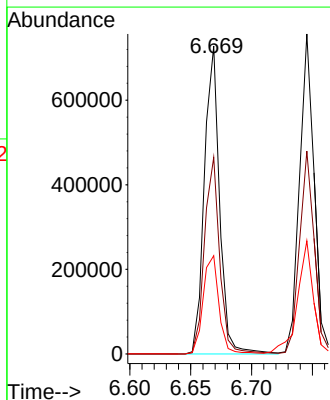
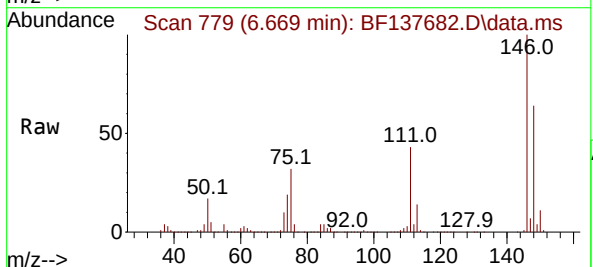
Manual Integrations  
APPROVED

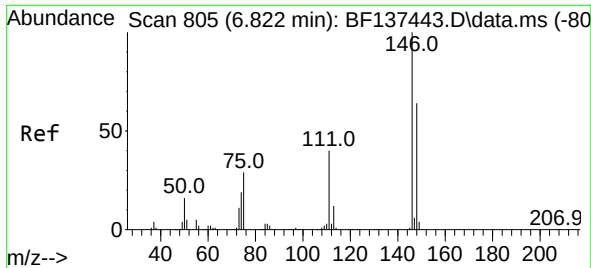
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#12  
1,3-Dichlorobenzene  
Concen: 43.966 ng  
RT: 6.669 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:146 Resp: 633424  
Ion Ratio Lower Upper  
146 100  
148 63.8 50.3 75.5  
75 31.9 29.0 43.4





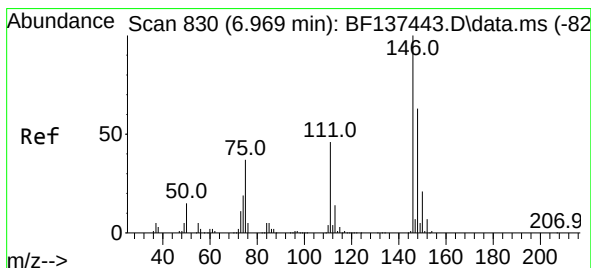
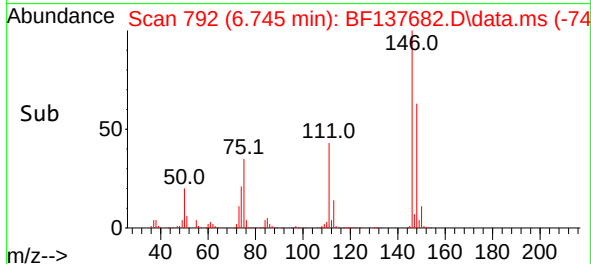
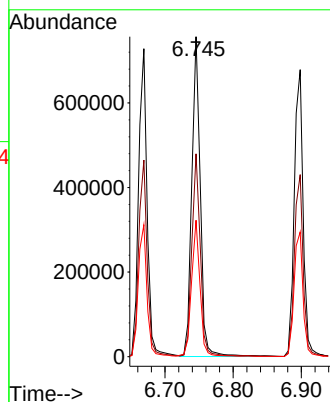
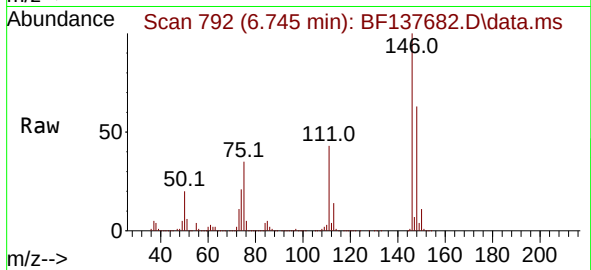
#13  
1,4-Dichlorobenzene  
Concen: 44.152 ng  
RT: 6.745 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS

Tgt Ion:146 Resp: 65083  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.2 76.8  
111 42.7 32.4 48.6

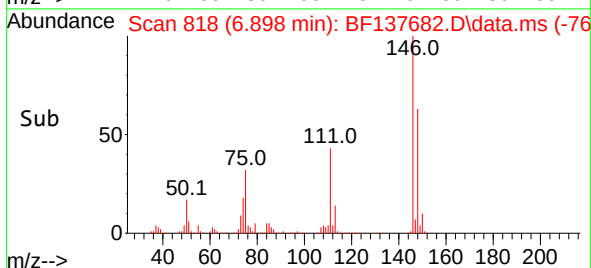
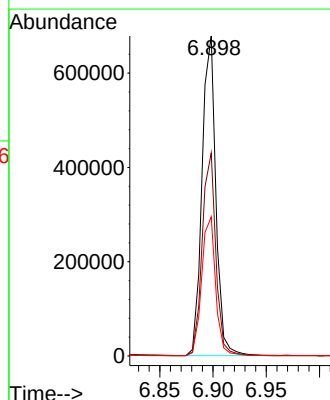
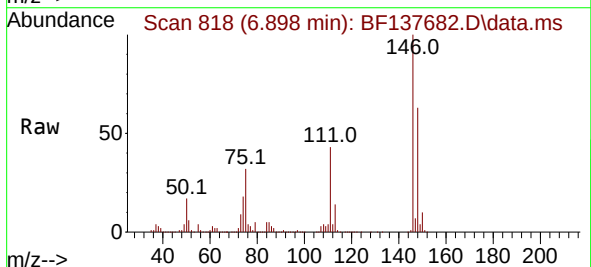
Manual Integrations  
APPROVED

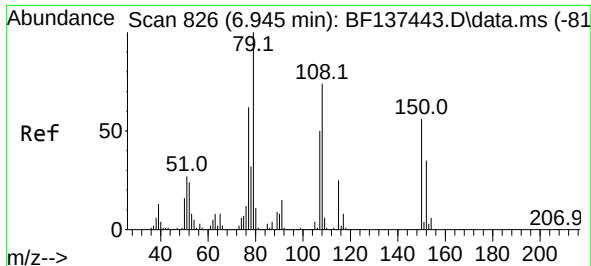
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#14  
1,2-Dichlorobenzene  
Concen: 45.488 ng  
RT: 6.898 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

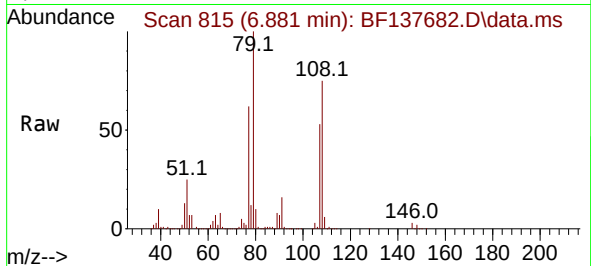
Tgt Ion:146 Resp: 615449  
Ion Ratio Lower Upper  
146 100  
148 63.4 50.0 75.0  
111 43.5 36.8 55.2





#15  
Benzyl Alcohol  
Concen: 48.468 ng  
RT: 6.881 min Scan# 815  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

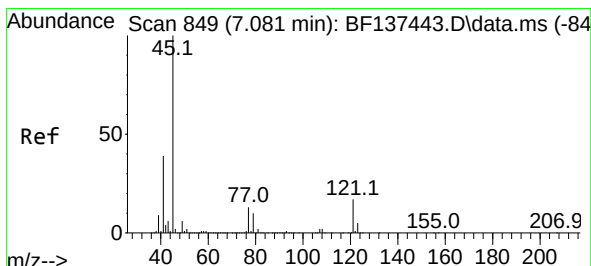
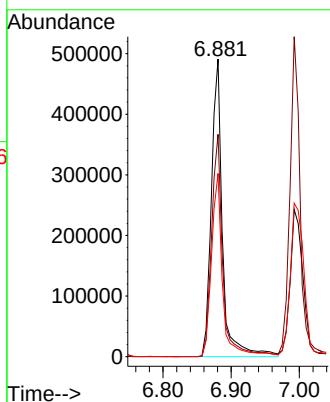
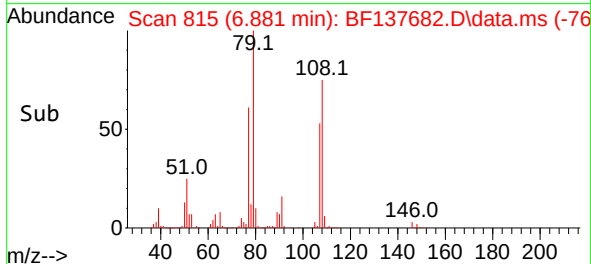
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



Tgt Ion: 79 Resp: 556758  
Ion Ratio Lower Upper  
79 100  
108 74.8 59.5 89.3  
77 61.5 50.0 75.0

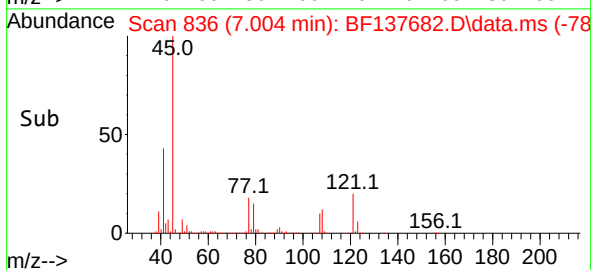
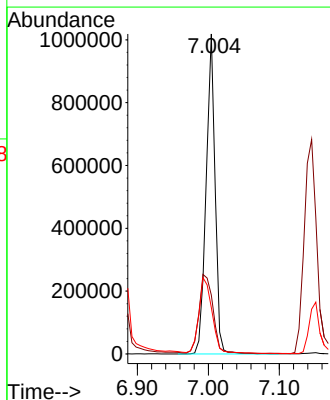
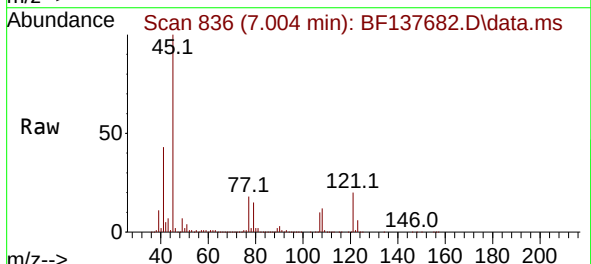
Manual Integrations  
APPROVED

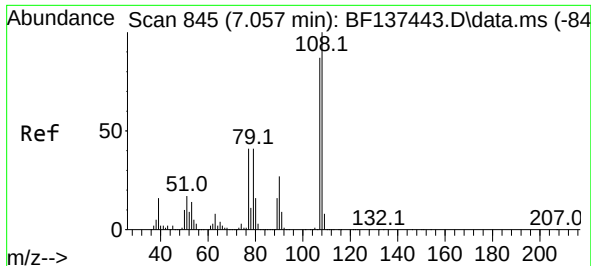
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.008 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

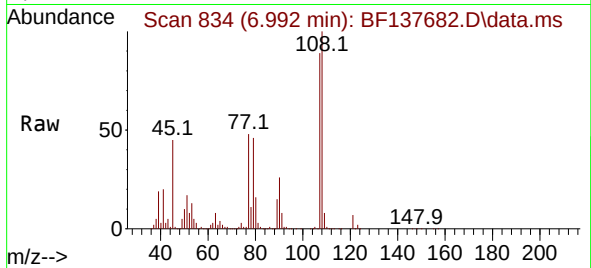
Tgt Ion: 45 Resp: 900795  
Ion Ratio Lower Upper  
45 100  
77 18.4 0.0 33.4  
79 14.5 0.0 30.9





#17  
2-Methylphenol  
Concen: 38.170 ng  
RT: 6.992 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

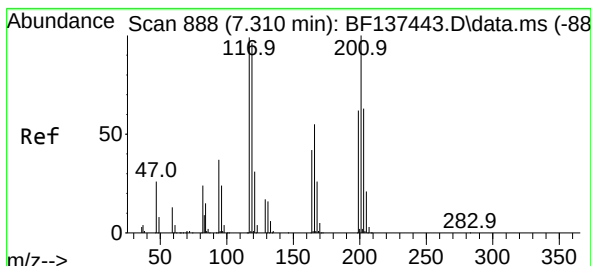
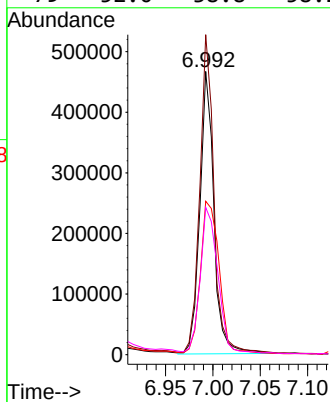
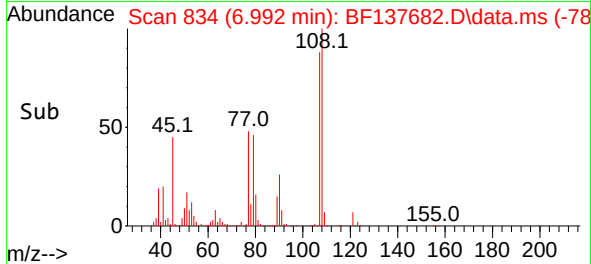
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



Tgt Ion:107 Resp: 481552  
Ion Ratio Lower Upper  
107 100  
108 113.0 92.2 138.4  
77 54.2 38.6 57.8  
79 52.0 38.8 58.2

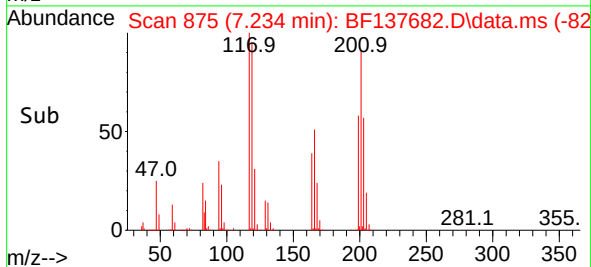
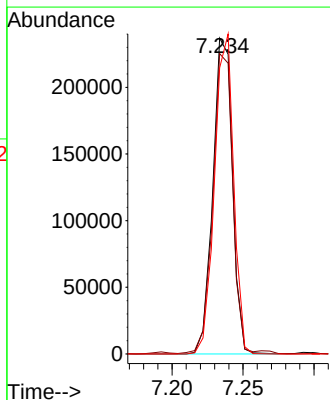
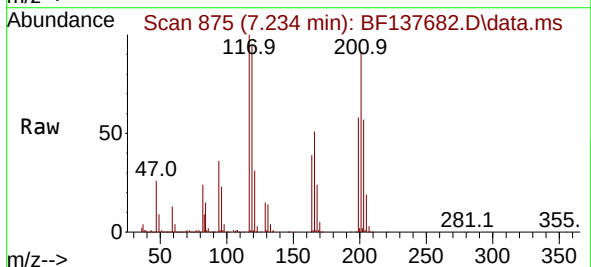
Manual Integrations  
APPROVED

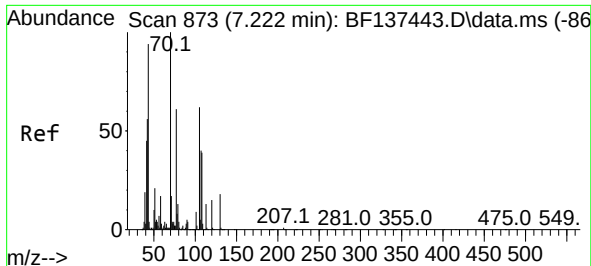
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#18  
Hexachloroethane  
Concen: 46.778 ng  
RT: 7.234 min Scan# 875  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:117 Resp: 227049  
Ion Ratio Lower Upper  
117 100  
119 95.1 77.5 116.3  
201 90.5 80.6 121.0





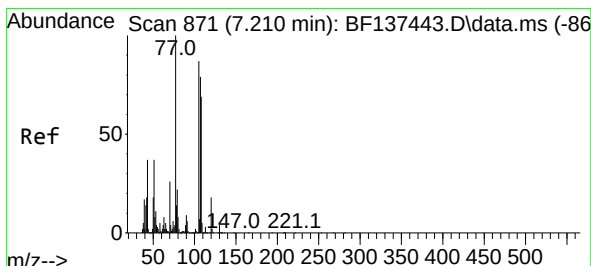
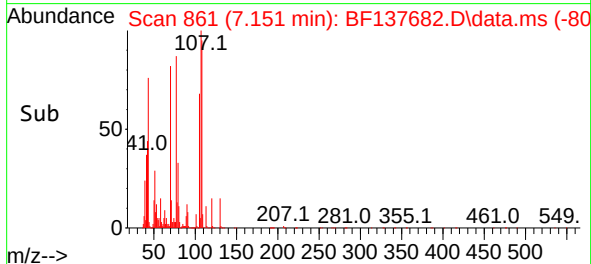
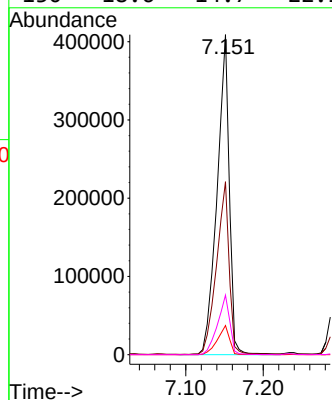
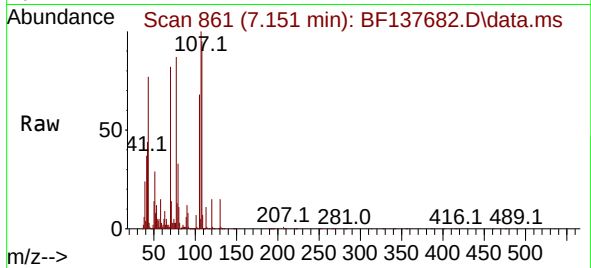
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.379 ng  
RT: 7.151 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS

Tgt Ion: 70 Resp: 44868  
Ion Ratio Lower Upper  
70 100  
42 54.0 45.2 67.8  
101 9.1 7.3 10.9  
130 18.6 14.7 22.1

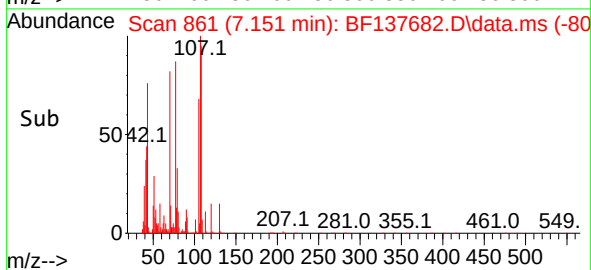
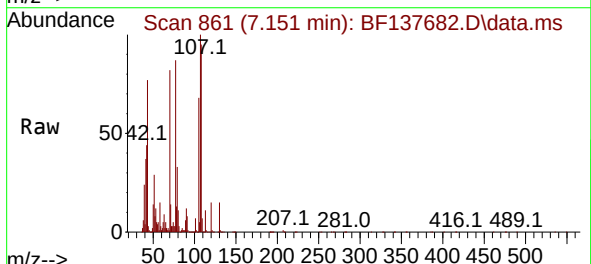
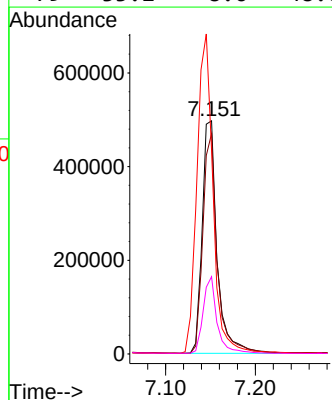
Manual Integrations  
APPROVED

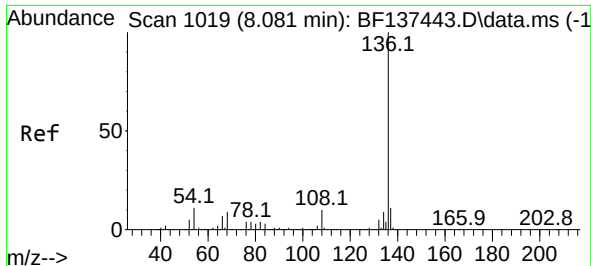
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#20  
3+4-Methylphenols  
Concen: 39.799 ng  
RT: 7.151 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:107 Resp: 575054  
Ion Ratio Lower Upper  
107 100  
108 94.5 67.6 107.6  
77 87.3 107.1 147.1#  
79 33.2 8.6 48.6





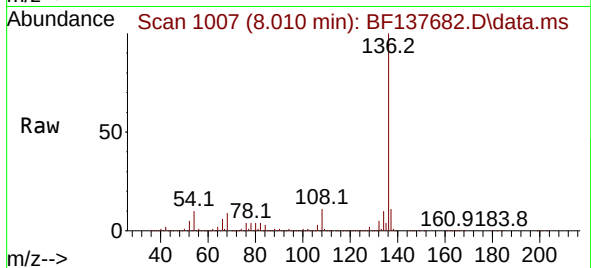
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.010 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



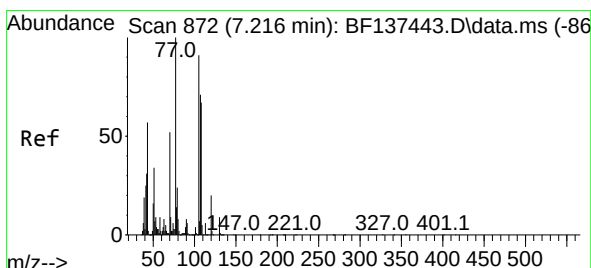
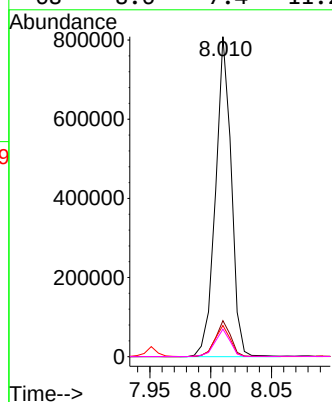
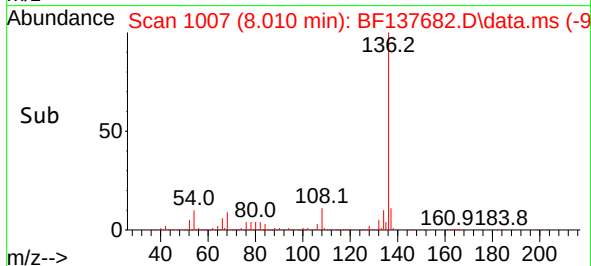
Tgt Ion:136 Resp: 728839  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 9.8 8.5 12.7  
68 8.6 7.4 11.2

Manual Integrations

APPROVED

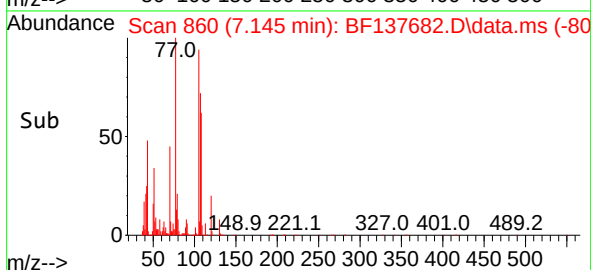
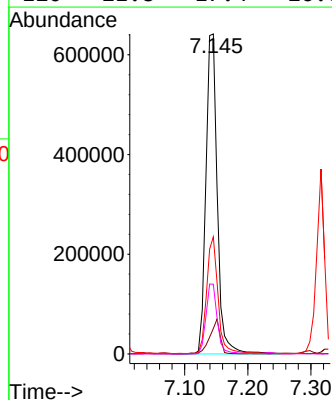
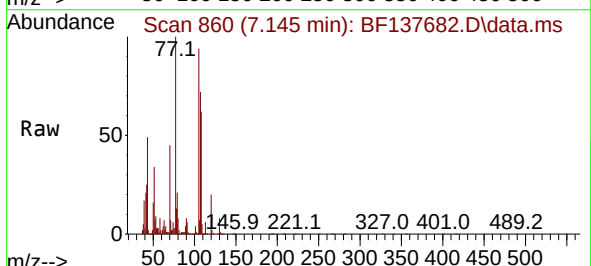
Reviewed By :Yogesh Patel 03/26/2024

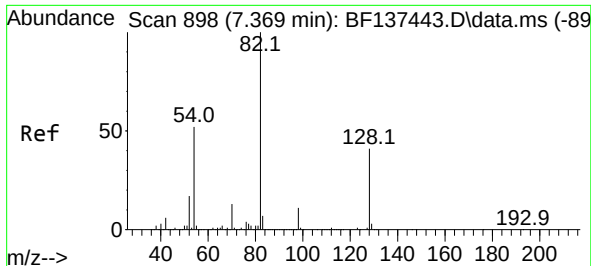
Supervised By :mohammad ahmed 03/26/2024



#22  
Acetophenone  
Concen: 45.778 ng  
RT: 7.145 min Scan# 860  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:105 Resp: 807281  
Ion Ratio Lower Upper  
105 100  
71 8.0 7.7 11.5  
51 36.6 30.4 45.6  
120 21.8 17.4 26.0





#23  
Nitrobenzene-d5  
Concen: 55.735 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

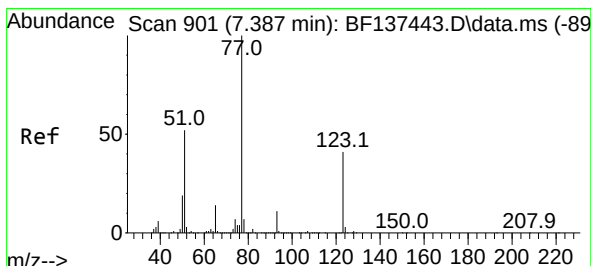
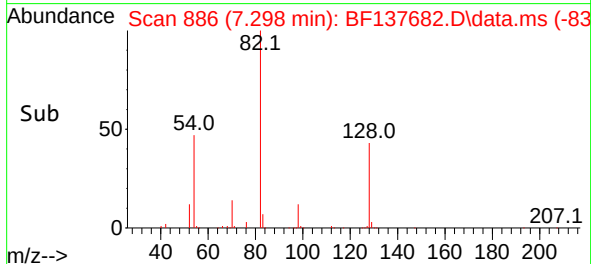
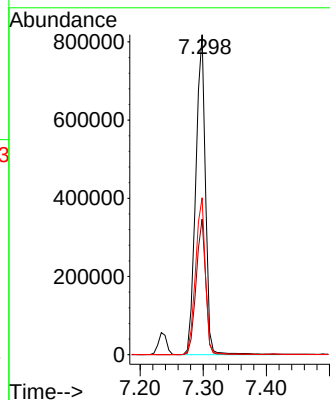
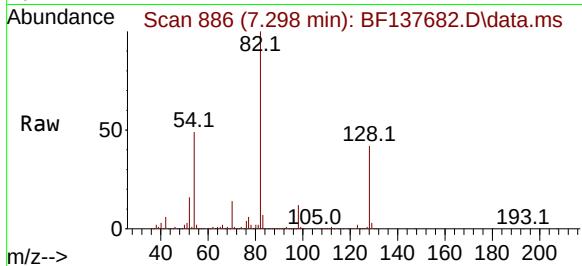
ClientSampleId :

72-11933MS

Tgt Ion: 82 Resp: 874258  
Ion Ratio Lower Upper  
82 100  
128 42.4 32.5 48.7  
54 49.1 41.5 62.3

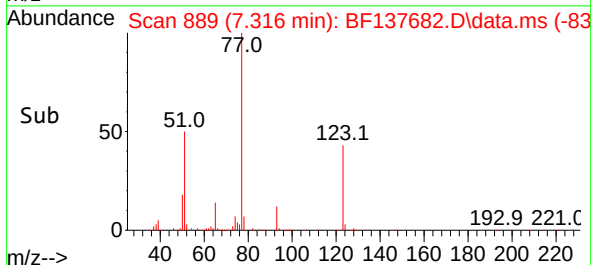
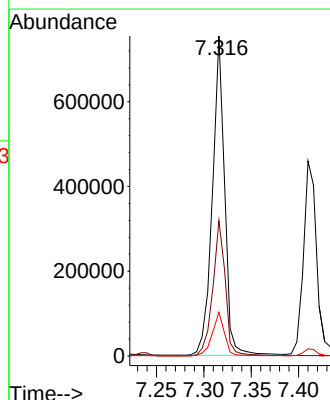
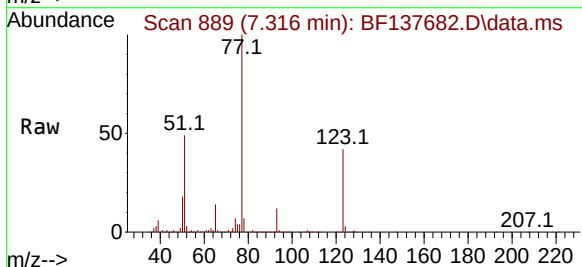
Manual Integrations  
APPROVED

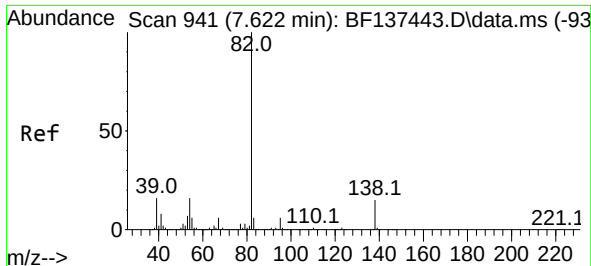
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#24  
Nitrobenzene  
Concen: 42.988 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

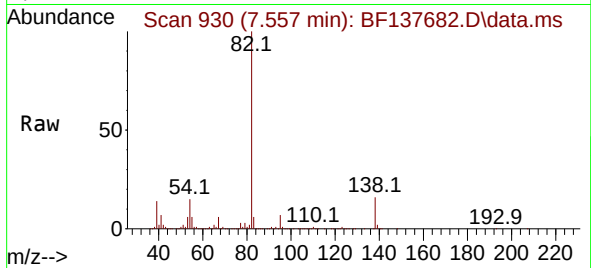
Tgt Ion: 77 Resp: 677390  
Ion Ratio Lower Upper  
77 100  
123 42.3 33.0 49.6  
65 13.7 10.9 16.3





#25  
Isophorone  
Concen: 42.664 ng  
RT: 7.557 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

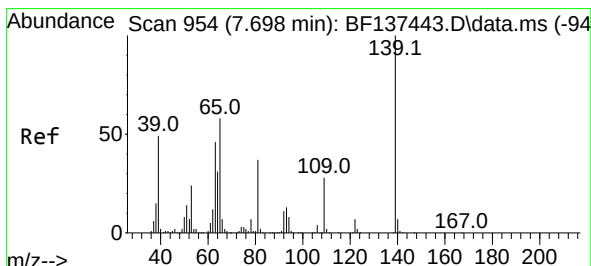
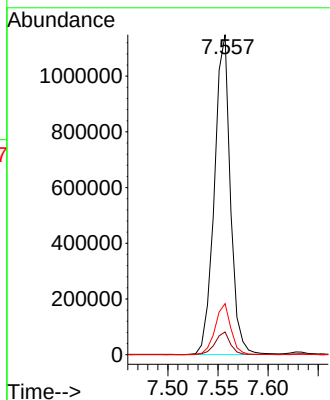
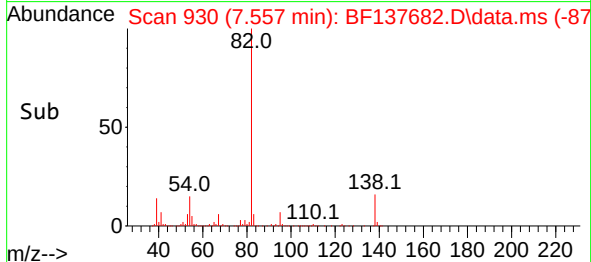
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



Tgt Ion: 82 Resp: 1271409  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.1 7.7  
138 16.0 11.8 17.8

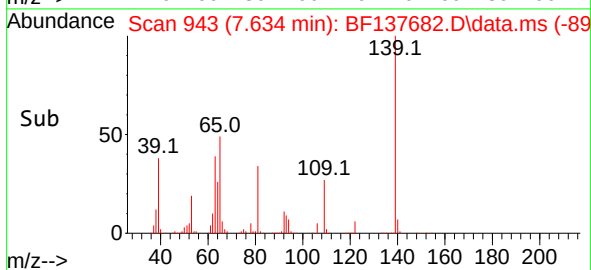
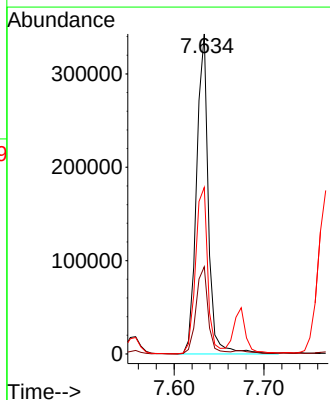
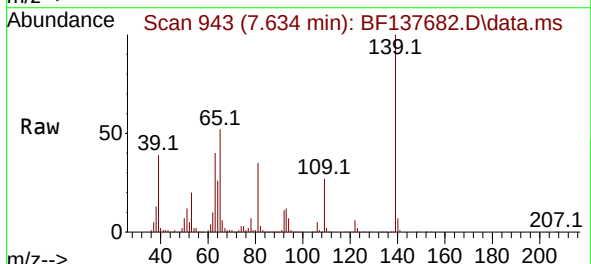
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

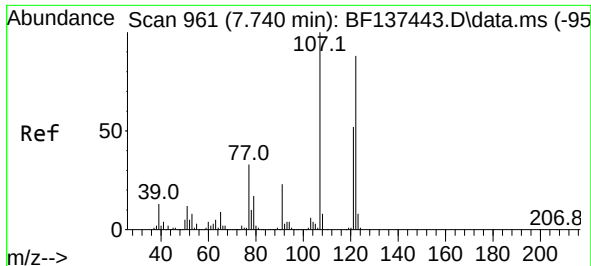


#26  
2-Nitrophenol  
Concen: 50.189 ng  
RT: 7.634 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:139 Resp: 313980  
Ion Ratio Lower Upper  
139 100  
109 27.2 22.2 33.4  
65 52.0 46.2 69.2







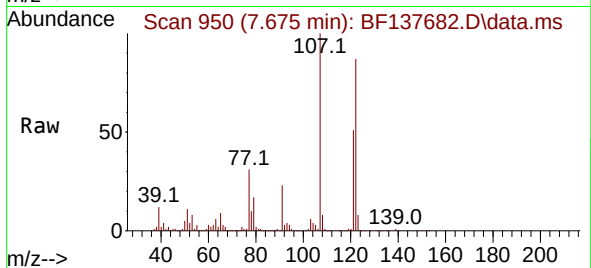
#27  
2,4-Dimethylphenol  
Concen: 36.150 ng  
RT: 7.675 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



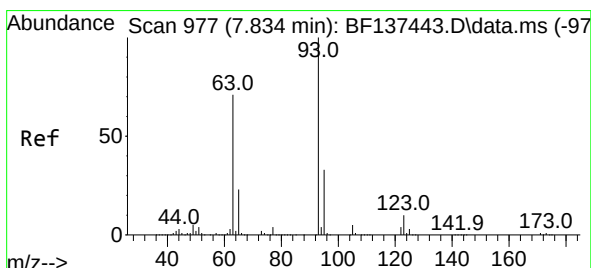
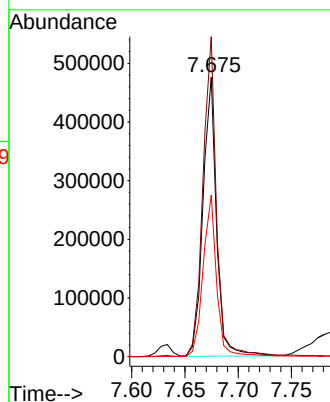
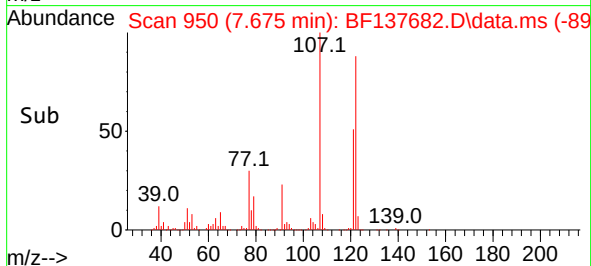
Tgt Ion:122 Resp: 422574  
Ion Ratio Lower Upper  
122 100  
107 114.5 90.9 136.3  
121 57.8 47.0 70.6

Manual Integrations

APPROVED

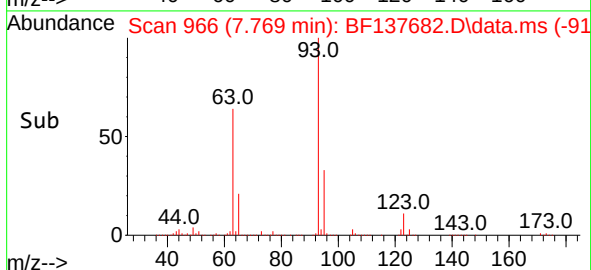
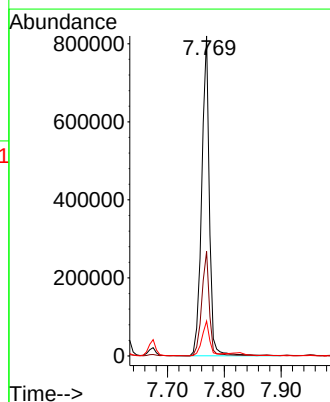
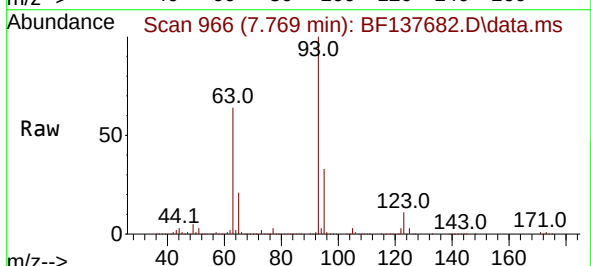
Reviewed By :Yogesh Patel 03/26/2024

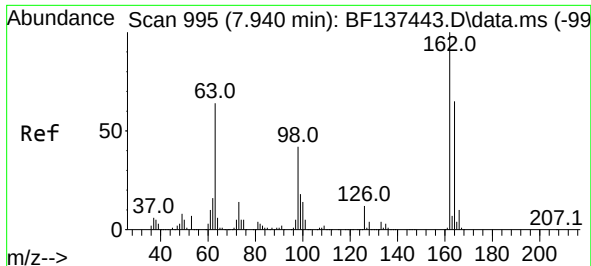
Supervised By :mohammad ahmed 03/26/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 43.893 ng  
RT: 7.769 min Scan# 966  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion: 93 Resp: 767475  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.5 39.7  
123 10.9 8.0 12.0





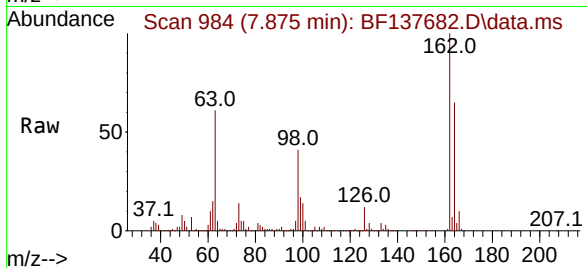
#29  
2,4-Dichlorophenol  
Concen: 46.107 ng  
RT: 7.875 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



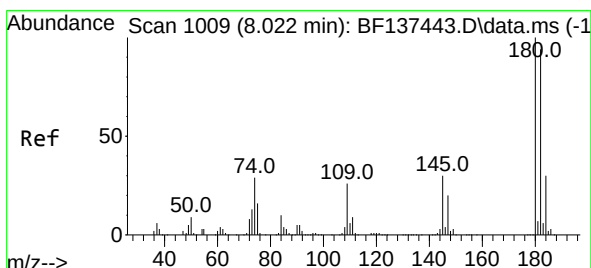
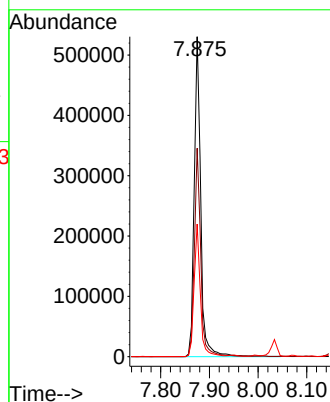
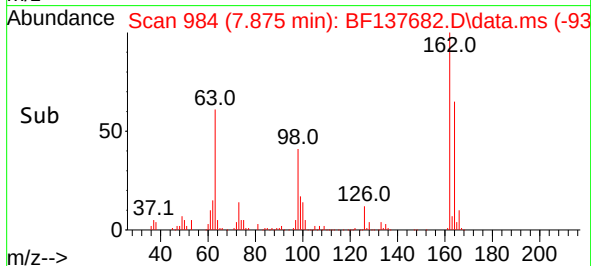
Tgt Ion:162 Resp: 49465  
Ion Ratio Lower Upper  
162 100  
164 65.2 44.7 84.7  
98 41.5 22.0 62.0

Manual Integrations

APPROVED

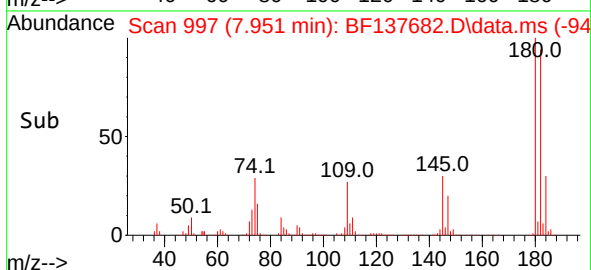
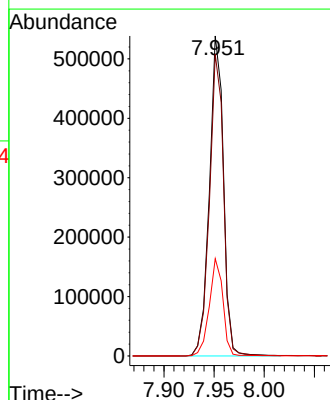
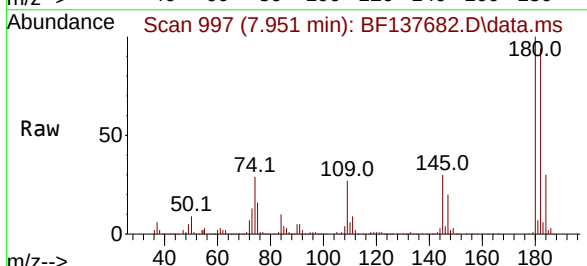
Reviewed By :Yogesh Patel 03/26/2024

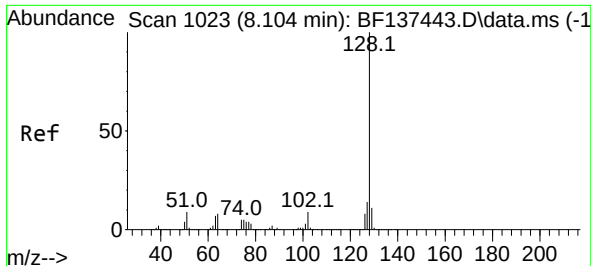
Supervised By :mohammad ahmed 03/26/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 46.613 ng  
RT: 7.951 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:180 Resp: 526252  
Ion Ratio Lower Upper  
180 100  
182 94.3 75.0 112.6  
145 30.4 23.7 35.5





#31  
Naphthalene  
Concen: 43.193 ng  
RT: 8.034 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

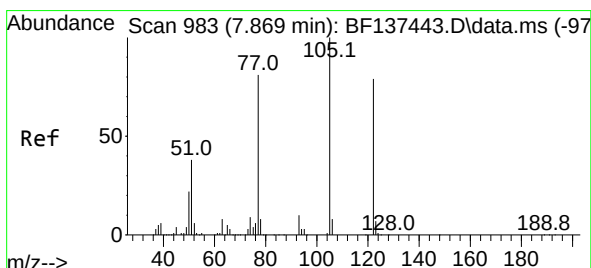
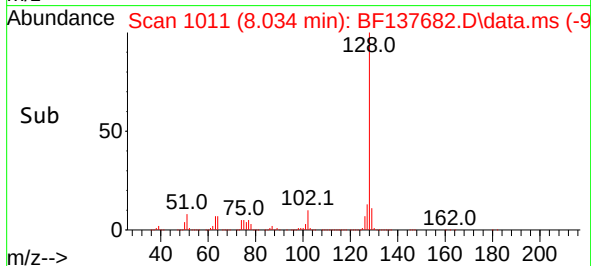
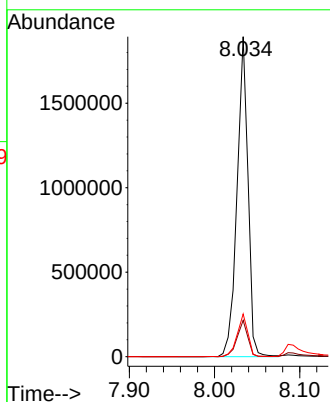
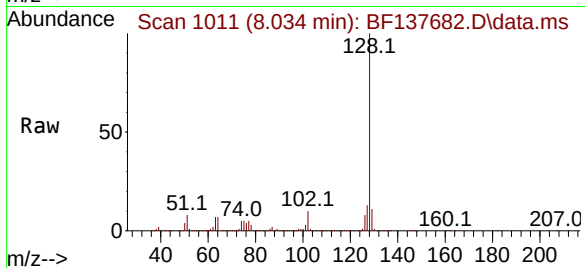
Tgt Ion:128 Resp: 168906  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.2 13.8  
127 13.3 10.8 16.2

Manual Integrations

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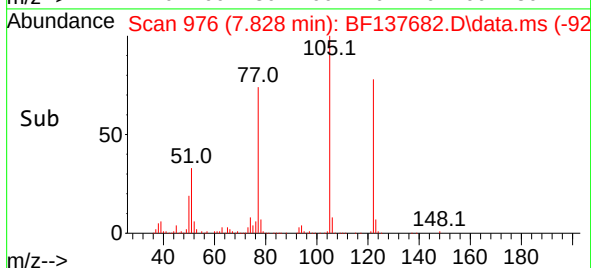
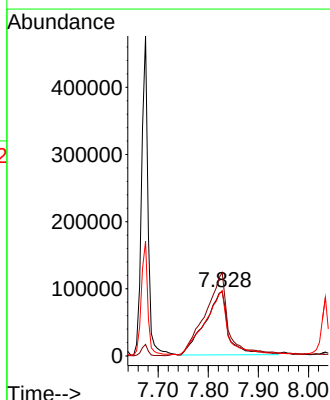
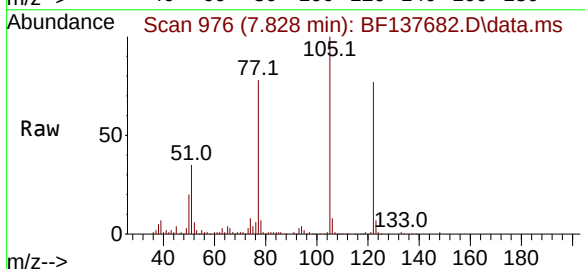
Reviewed By :Yogesh Patel 03/26/2024

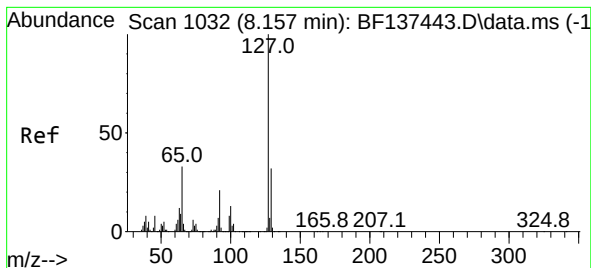
Supervised By :mohammad ahmed 03/26/2024



#32  
Benzoic acid  
Concen: 46.171 ng  
RT: 7.828 min Scan# 976  
Delta R.T. 0.029 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:122 Resp: 308947  
Ion Ratio Lower Upper  
122 100  
105 129.5 102.4 142.4  
77 101.5 81.1 121.1





#33

4-Chloroaniline

Concen: 7.939 ng

RT: 8.086 min Scan# 10

Delta R.T. -0.000 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:127 Resp: 121730

Ion Ratio Lower Upper

127 100

129 32.2 26.0 39.0

65 33.5 26.8 40.2

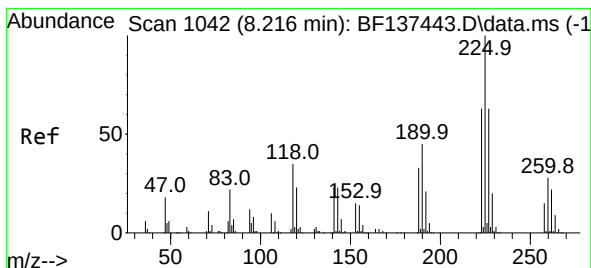
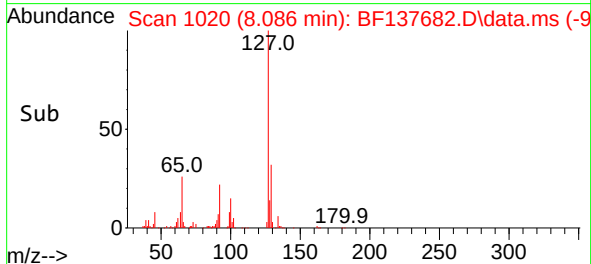
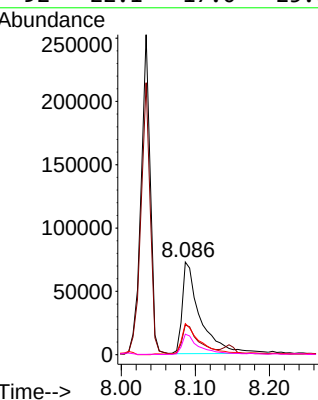
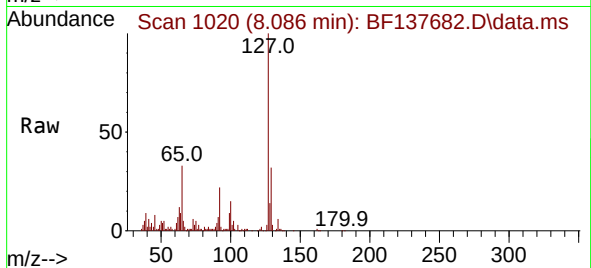
92 22.1 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#34

Hexachlorobutadiene

Concen: 46.663 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

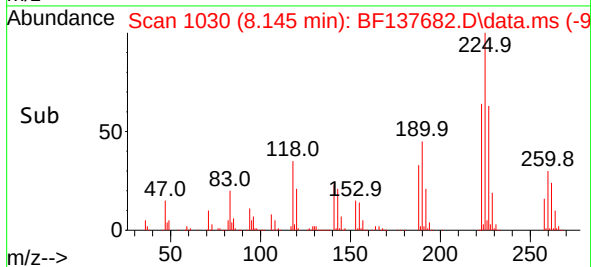
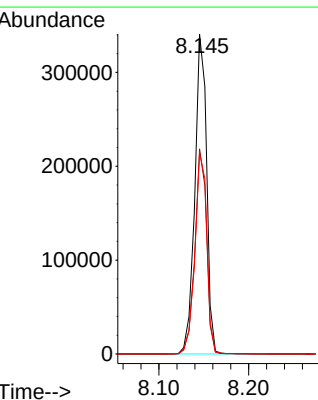
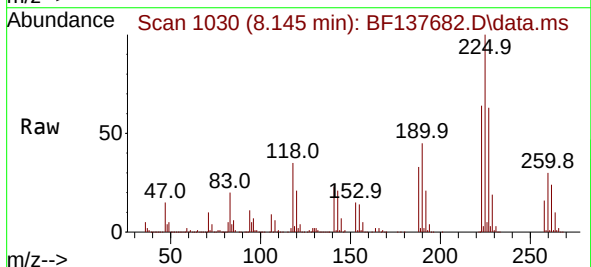
Tgt Ion:225 Resp: 311022

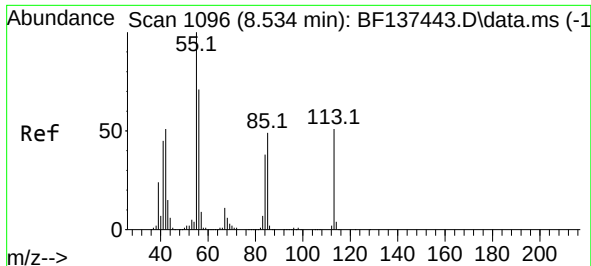
Ion Ratio Lower Upper

225 100

223 64.1 50.7 76.1

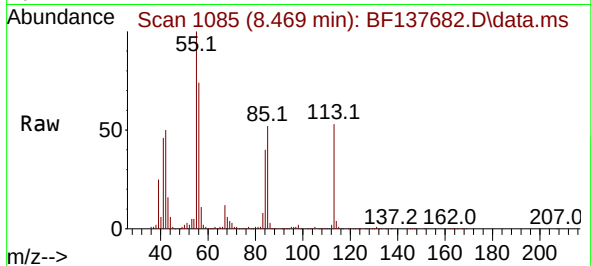
227 62.9 50.6 75.8





#35  
Caprolactam  
Concen: 46.098 ng m  
RT: 8.469 min Scan# 1104  
Delta R.T. 0.012 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

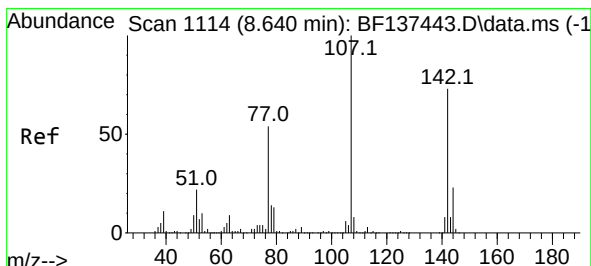
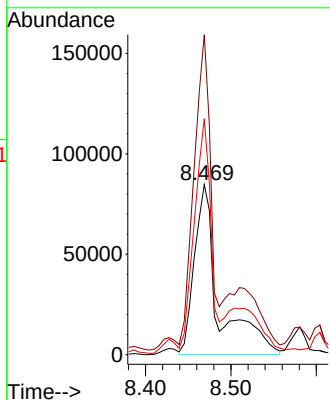
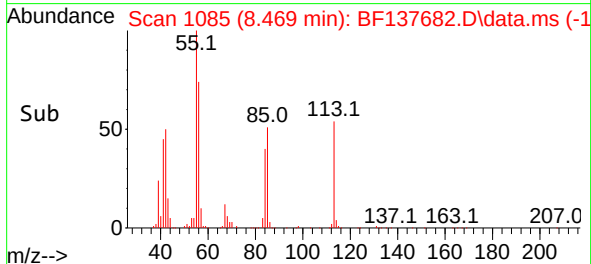
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



Tgt Ion:113 Resp: 167690  
Ion Ratio Lower Upper  
113 100  
55 188.1 176.7 216.7  
56 138.6 120.6 160.6

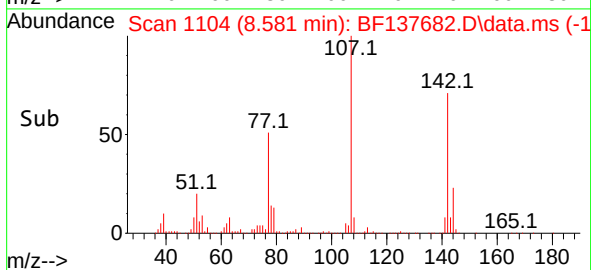
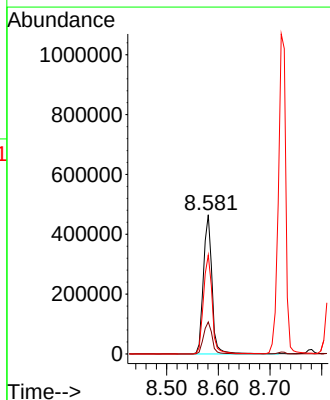
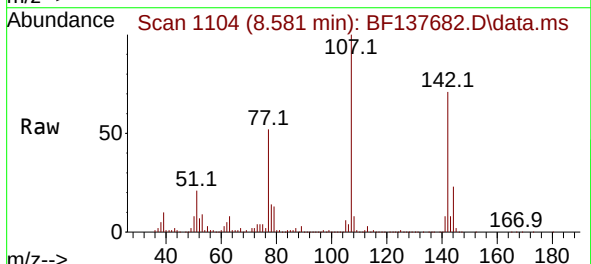
Manual Integrations  
APPROVED

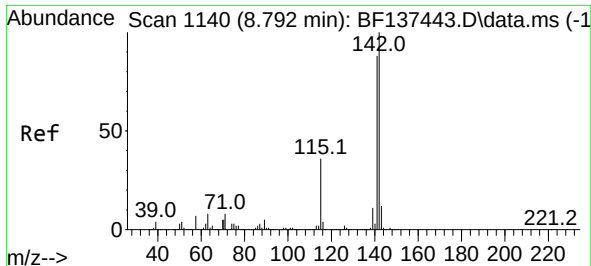
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#36  
4-Chloro-3-methylphenol  
Concen: 44.802 ng  
RT: 8.581 min Scan# 1104  
Delta R.T. 0.012 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:107 Resp: 537262  
Ion Ratio Lower Upper  
107 100  
144 23.0 18.7 28.1  
142 71.1 58.2 87.2





#37

2-Methylnaphthalene

Concen: 42.566 ng

RT: 8.722 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:142 Resp: 1061129

Ion Ratio Lower Upper

142 100

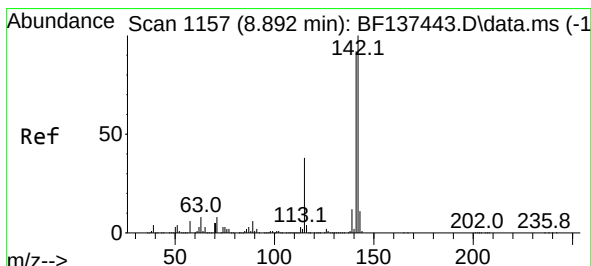
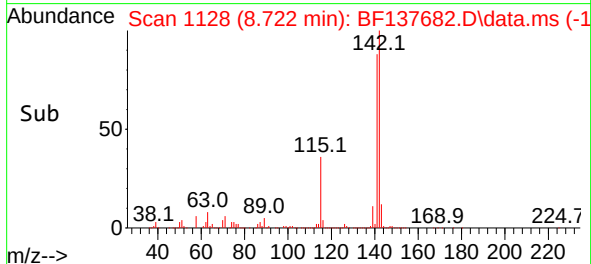
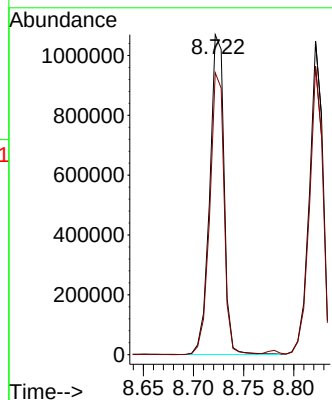
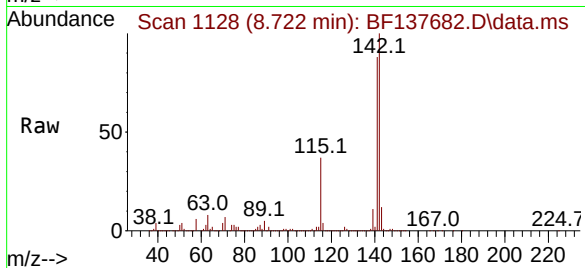
141 88.1 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#38

1-Methylnaphthalene

Concen: 41.405 ng

RT: 8.822 min Scan# 1145

Delta R.T. -0.000 min

Lab File: BF137682.D

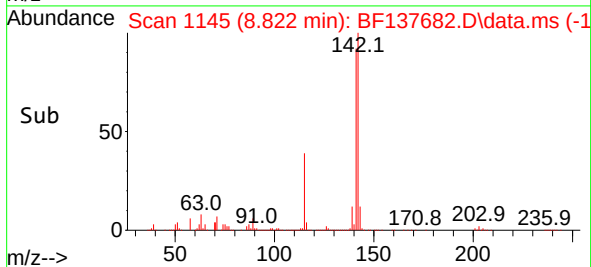
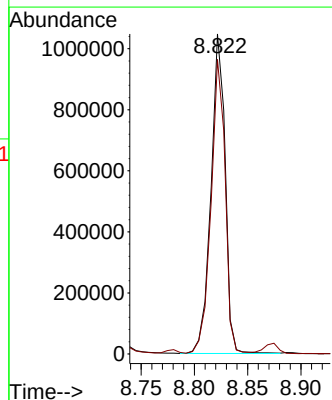
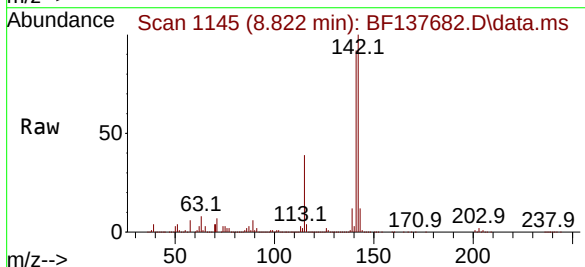
Acq: 22 Mar 2024 15:26

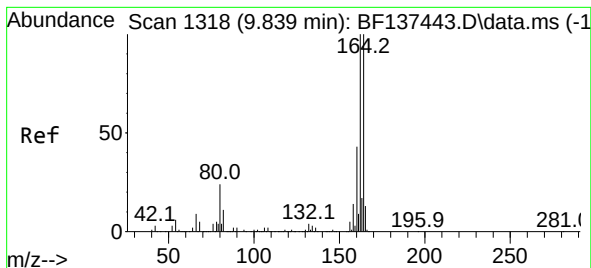
Tgt Ion:142 Resp: 972047

Ion Ratio Lower Upper

142 100

141 92.0 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF137682.D

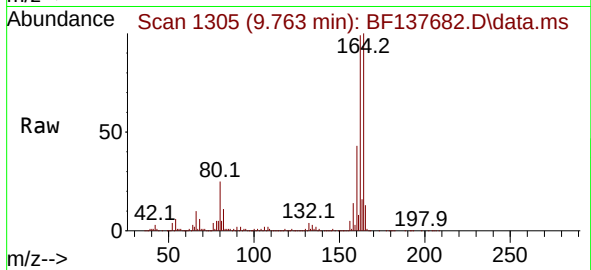
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



Tgt Ion:164 Resp: 390519

Ion Ratio Lower Upper

164 100

162 98.9 79.8 119.8

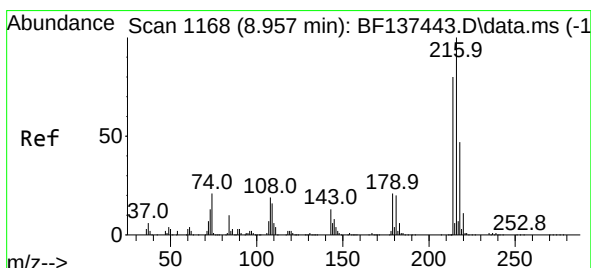
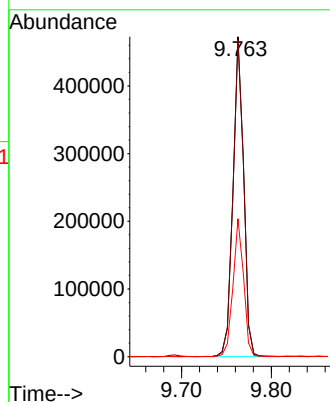
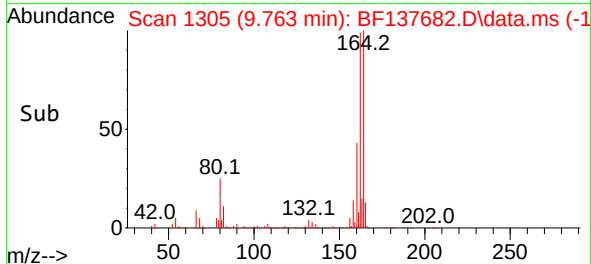
160 43.1 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.916 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Tgt Ion:216 Resp: 522397

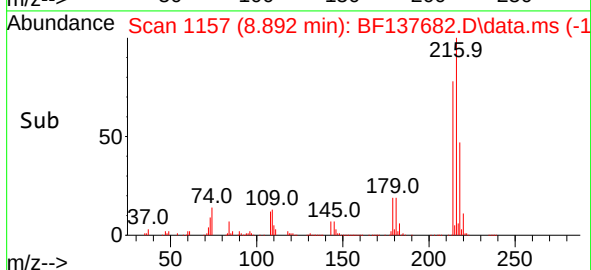
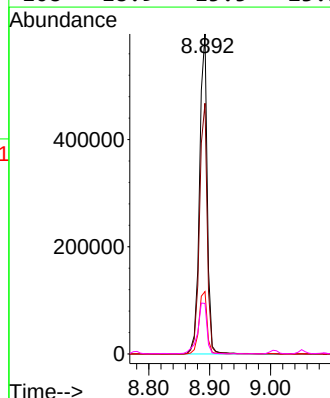
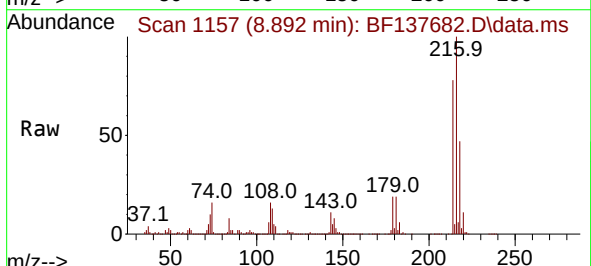
Ion Ratio Lower Upper

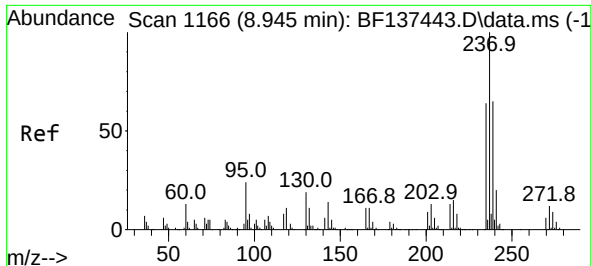
216 100

214 78.8 63.5 95.3

179 20.4 16.6 25.0

108 18.9 15.5 23.3





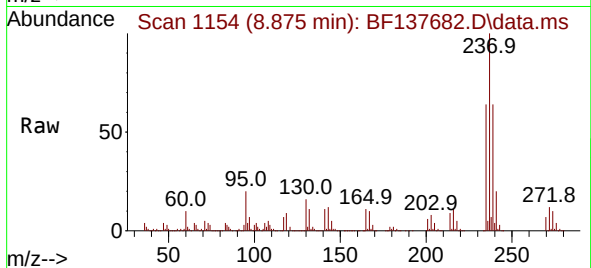
#41  
Hexachlorocyclopentadiene  
Concen: 64.223 ng  
RT: 8.875 min Scan# 1166  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

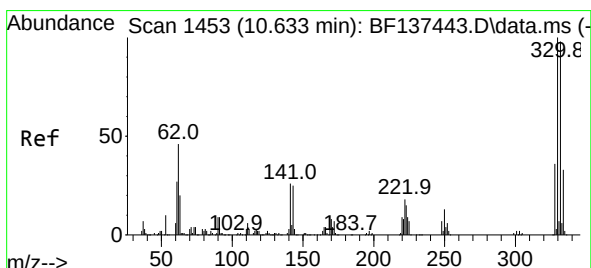
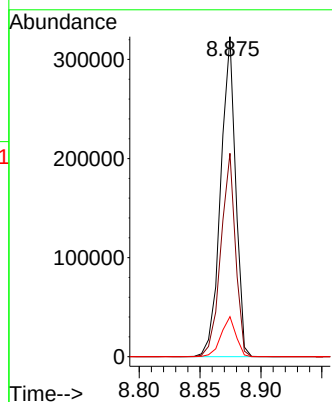
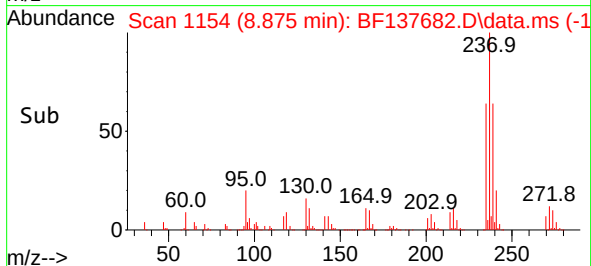


Tgt Ion: 237 Resp: 27767  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.6 83.6  
272 12.5 0.0 31.9

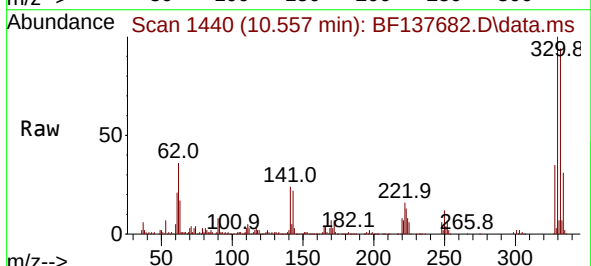
Manual Integrations

APPROVED

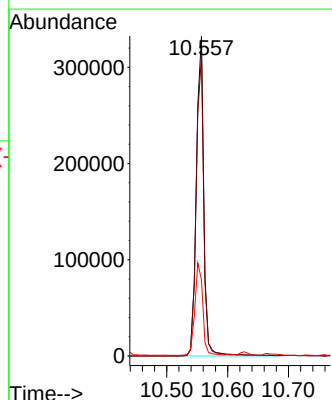
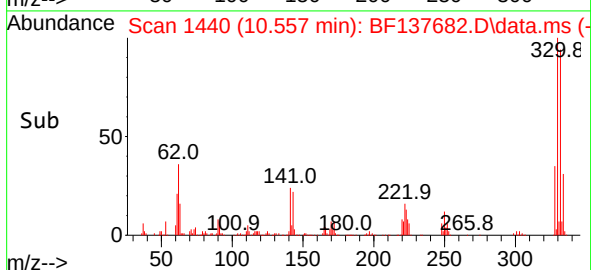
Reviewed By : Yogesh Patel 03/26/2024  
Supervised By : mohammad ahmed 03/26/2024



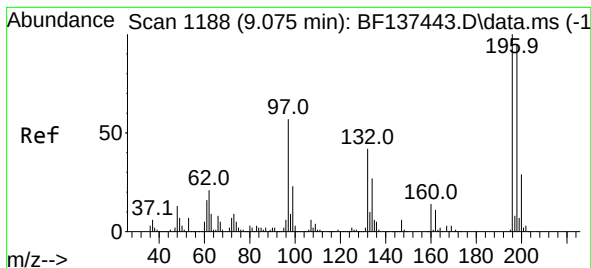
#42  
2,4,6-Tribromophenol  
Concen: 82.349 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion: 330 Resp: 282409  
Ion Ratio Lower Upper  
330 100  
332 95.4 78.0 117.0  
141 30.6 27.3 40.9







#43

2,4,6-Trichlorophenol

Concen: 47.536 ng

RT: 9.004 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

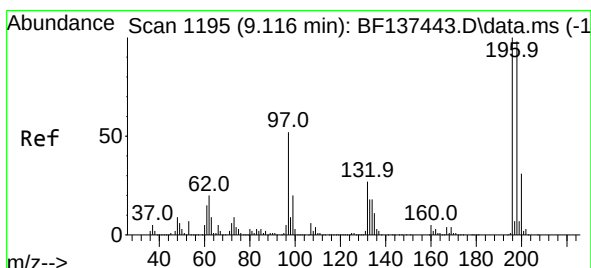
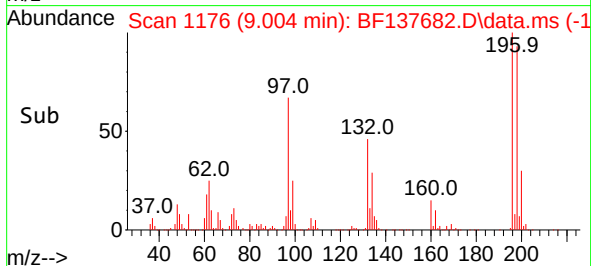
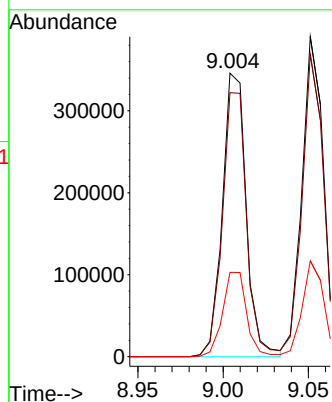
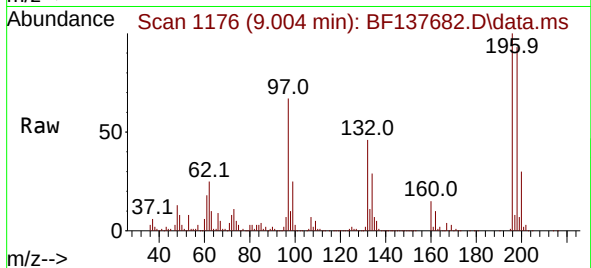
|             |                 |
|-------------|-----------------|
| Tgt Ion:196 | Resp: 337489    |
| Ion Ratio   | Lower Upper     |
| 196         | 100             |
| 198         | 93.1 75.8 113.8 |
| 200         | 29.7 23.5 35.3  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#44

2,4,5-Trichlorophenol

Concen: 44.056 ng

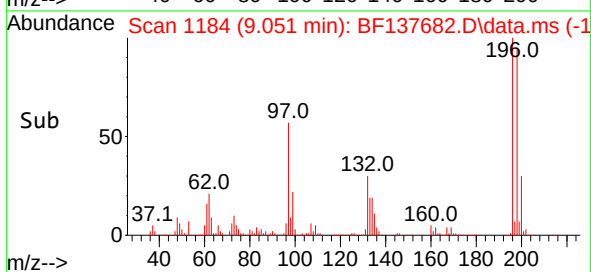
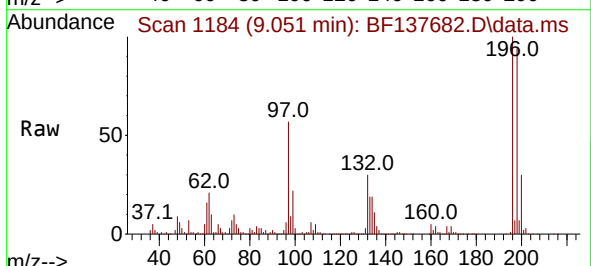
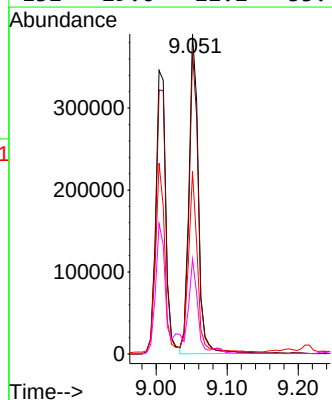
RT: 9.051 min Scan# 1184

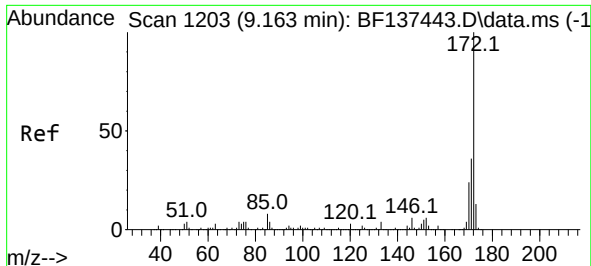
Delta R.T. 0.012 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

|             |                 |
|-------------|-----------------|
| Tgt Ion:196 | Resp: 360311    |
| Ion Ratio   | Lower Upper     |
| 196         | 100             |
| 198         | 94.4 78.6 117.8 |
| 97          | 57.0 41.8 62.8  |
| 132         | 29.6 22.2 33.4  |





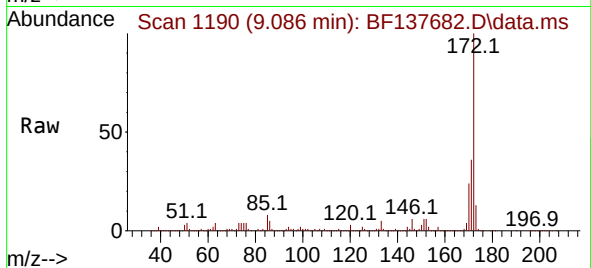
#45  
2-Fluorobiphenyl  
Concen: 50.837 ng  
RT: 9.086 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



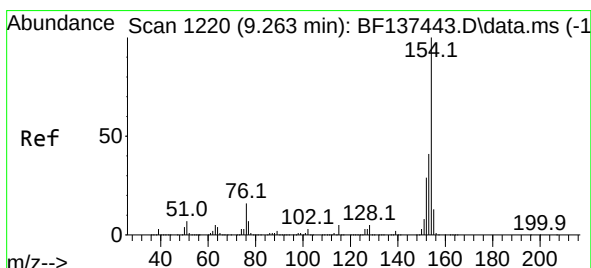
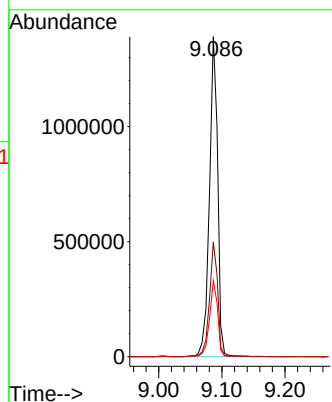
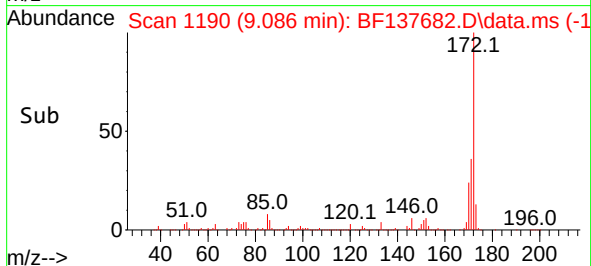
Tgt Ion:172 Resp: 1268249  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.5 42.7  
170 23.8 19.0 28.6

Manual Integrations

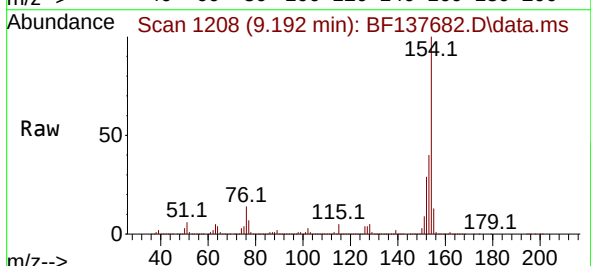
APPROVED

Reviewed By :Yogesh Patel 03/26/2024

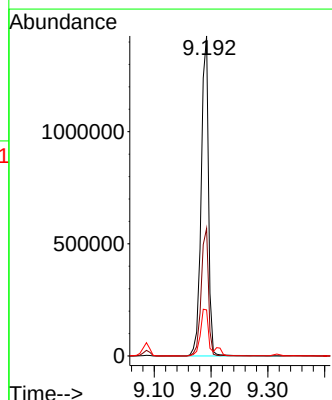
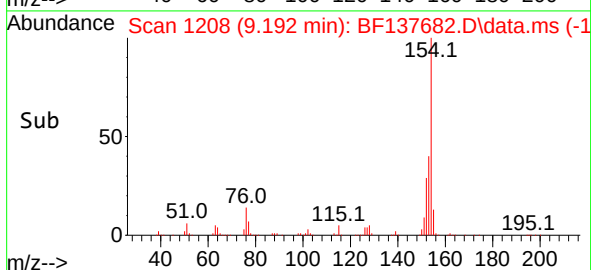
Supervised By :mohammad ahmed 03/26/2024

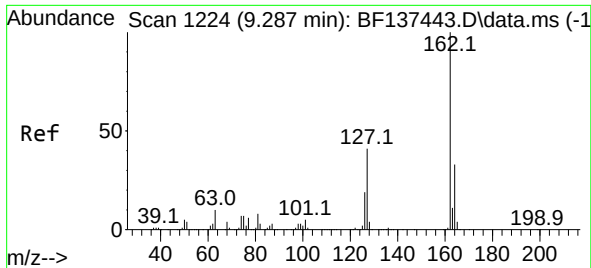


#46  
1,1'-Biphenyl  
Concen: 44.825 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:154 Resp: 1281220  
Ion Ratio Lower Upper  
154 100  
153 39.9 21.0 61.0  
76 14.4 0.0 35.8





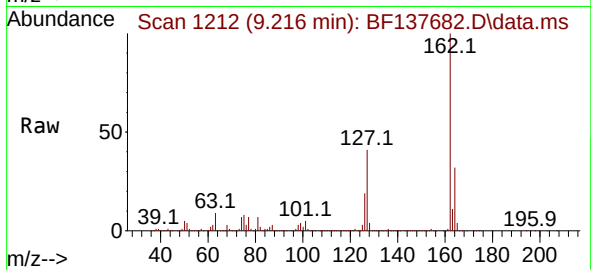
#47  
2-Chloronaphthalene  
Concen: 45.716 ng  
RT: 9.216 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS



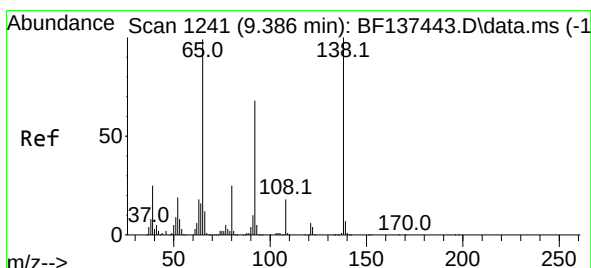
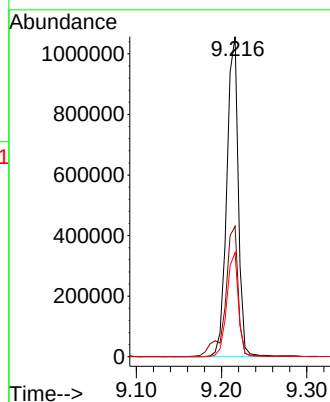
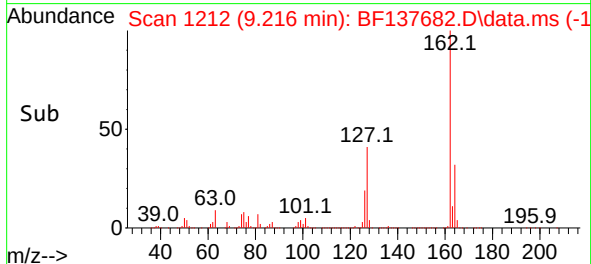
Tgt Ion:162 Resp: 996244  
Ion Ratio Lower Upper  
162 100  
127 40.7 32.6 49.0  
164 32.5 26.5 39.7

Manual Integrations

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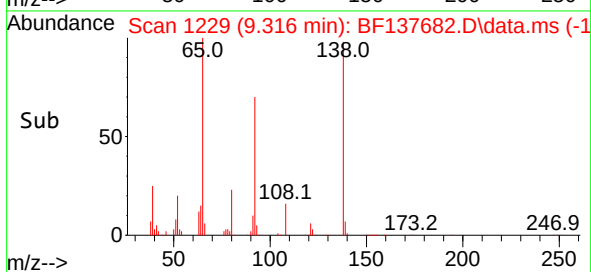
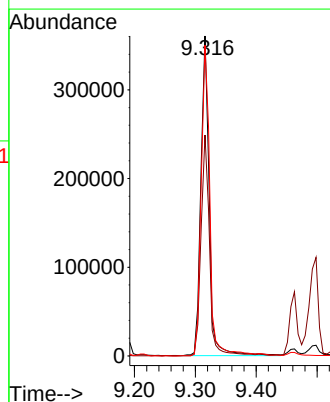
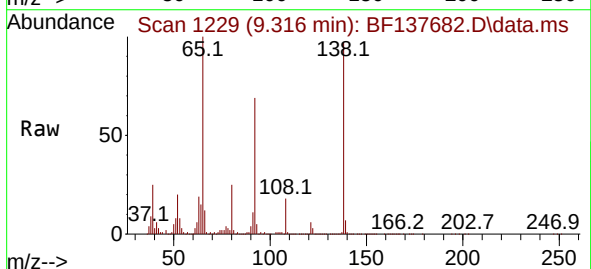
Reviewed By :Yogesh Patel 03/26/2024

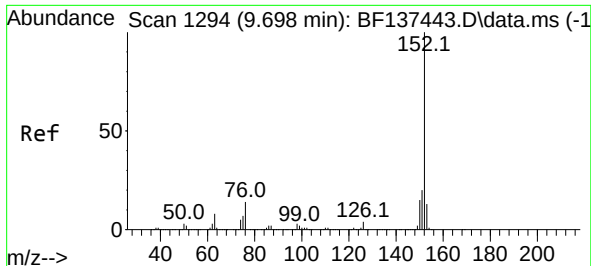
Supervised By :mohammad ahmed 03/26/2024



#48  
2-Nitroaniline  
Concen: 46.095 ng  
RT: 9.316 min Scan# 1229  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion: 65 Resp: 341417  
Ion Ratio Lower Upper  
65 100  
92 69.0 55.4 83.2  
138 97.1 81.0 121.6





#49  
Acenaphthylene  
Concen: 44.256 ng  
RT: 9.628 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

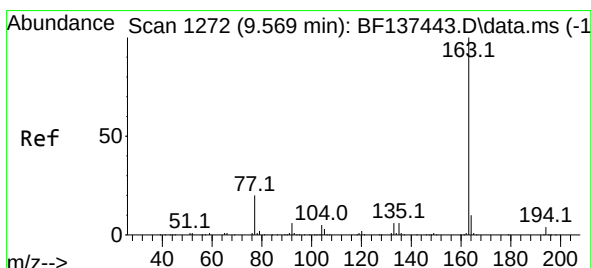
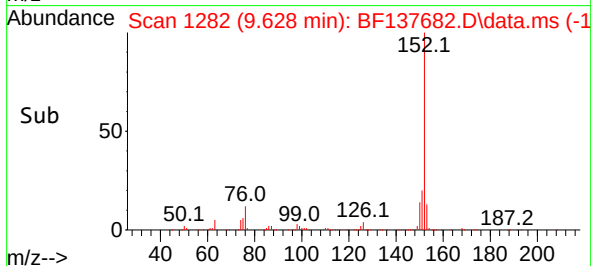
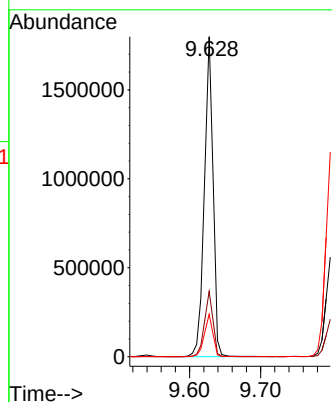
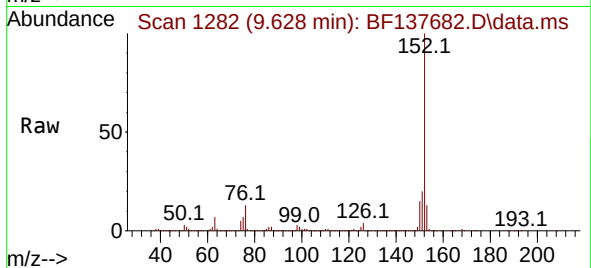
Tgt Ion:152 Resp: 154340  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.4  
153 13.3 10.8 16.2

Manual Integrations

APPROVED

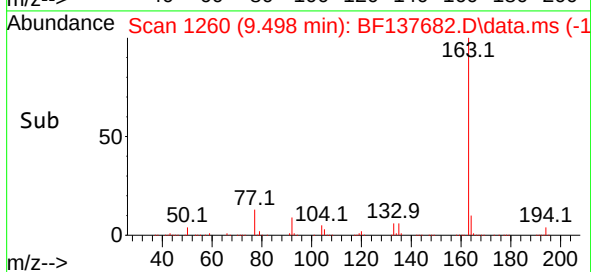
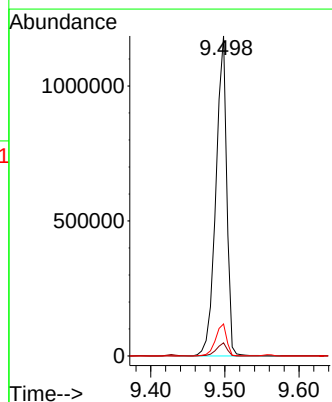
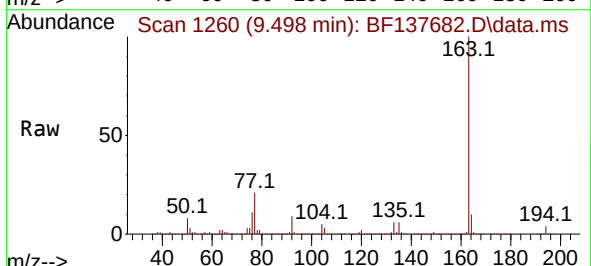
Reviewed By :Yogesh Patel 03/26/2024

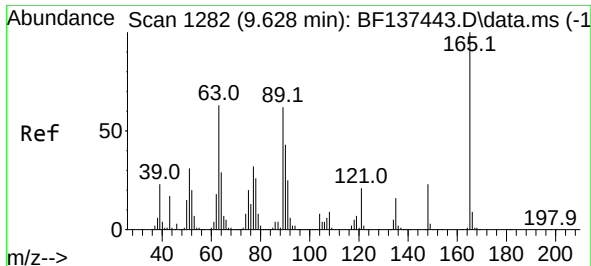
Supervised By :mohammad ahmed 03/26/2024



#50  
Dimethylphthalate  
Concen: 44.158 ng  
RT: 9.498 min Scan# 1260  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

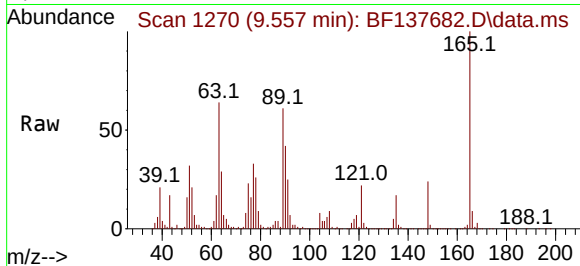
Tgt Ion:163 Resp: 1200412  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.0 8.1 12.1





#51  
2,6-Dinitrotoluene  
Concen: 45.443 ng  
RT: 9.557 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

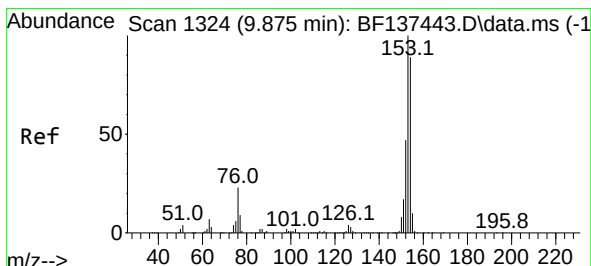
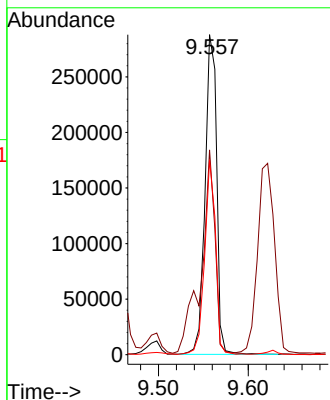
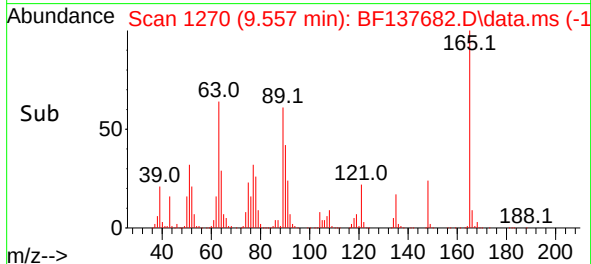
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



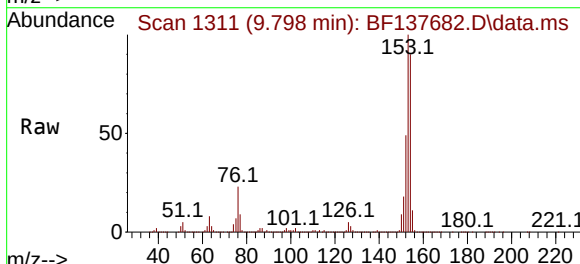
Tgt Ion:165 Resp: 258384  
Ion Ratio Lower Upper  
165 100  
63 64.0 50.7 76.1  
89 60.9 50.0 75.0

Manual Integrations  
APPROVED

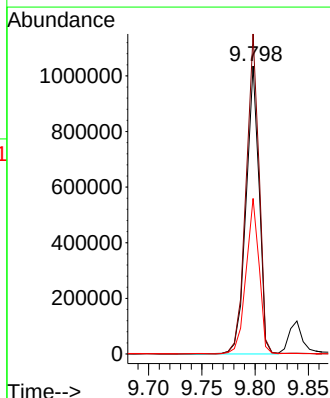
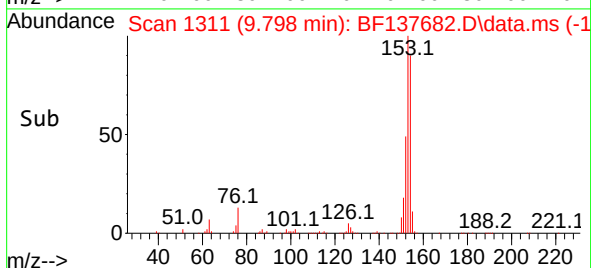
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

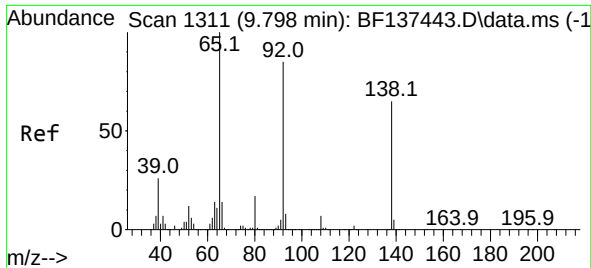


#52  
Acenaphthene  
Concen: 42.479 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:154 Resp: 884418  
Ion Ratio Lower Upper  
154 100  
153 111.1 90.3 135.5  
152 54.0 42.7 64.1





#53  
3-Nitroaniline  
Concen: 23.998 ng  
RT: 9.727 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

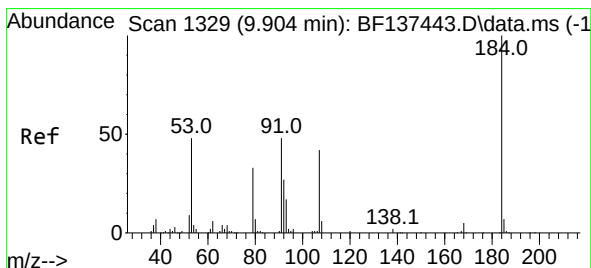
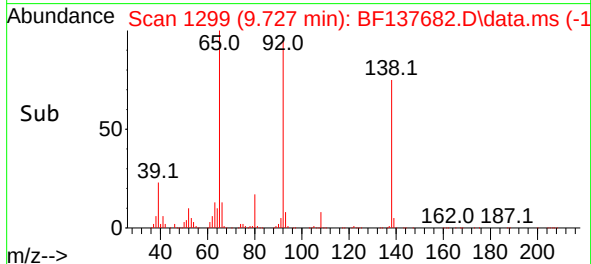
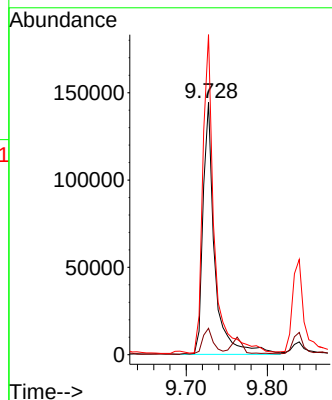
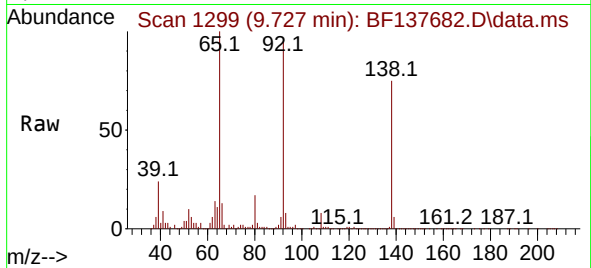
ClientSampleId :

72-11933MS

Tgt Ion:138 Resp: 14433  
Ion Ratio Lower Upper  
138 100  
108 10.5 9.1 13.7  
92 126.9 104.6 157.0

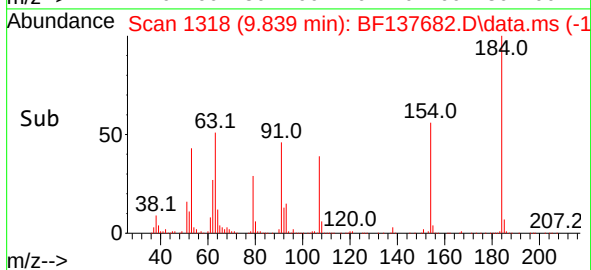
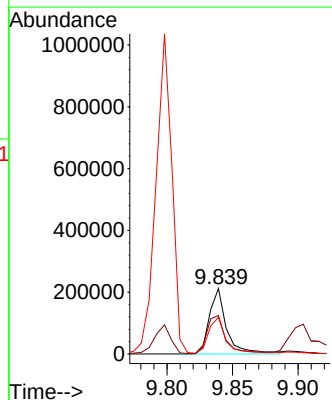
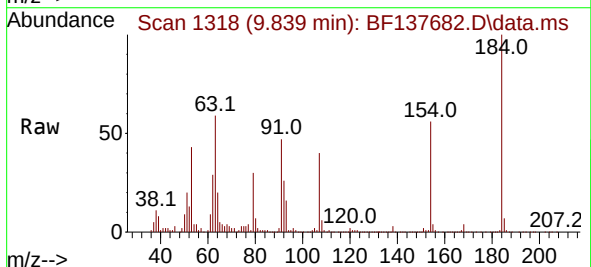
Manual Integrations  
APPROVED

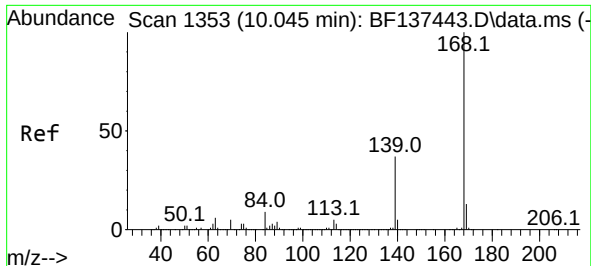
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#54  
2,4-Dinitrophenol  
Concen: 71.081 ng  
RT: 9.839 min Scan# 1318  
Delta R.T. 0.012 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:184 Resp: 194294  
Ion Ratio Lower Upper  
184 100  
63 58.7 53.3 79.9  
154 55.9 47.4 71.0





#55

Dibenzenofuran

Concen: 41.245 ng

RT: 9.975 min Scan# 1341

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:168 Resp: 1307919

Ion Ratio Lower Upper

168 100

139 35.7 29.8 44.6

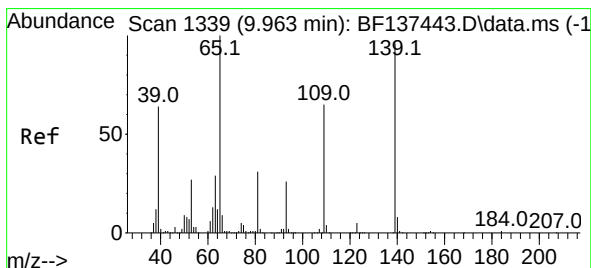
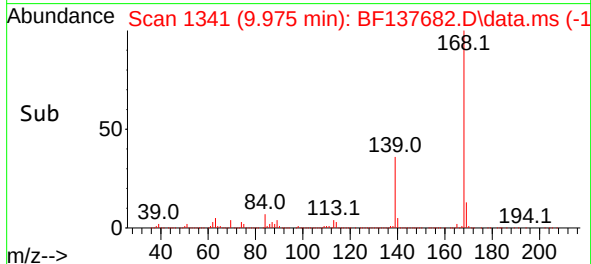
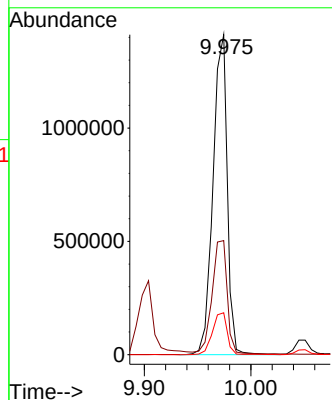
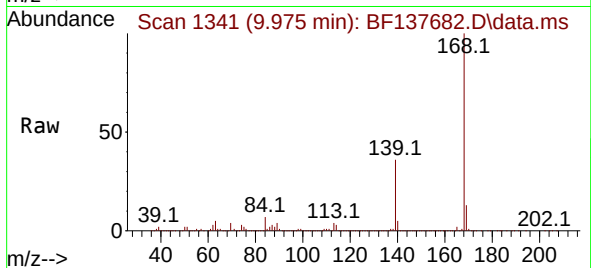
169 13.1 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#56

4-Nitrophenol

Concen: 76.400 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.018 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

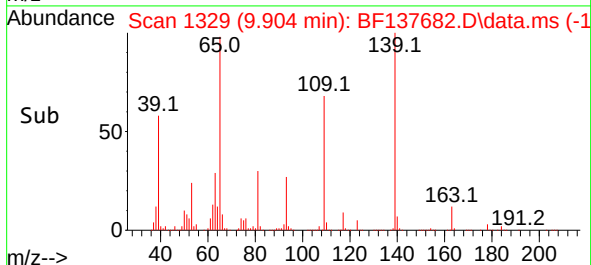
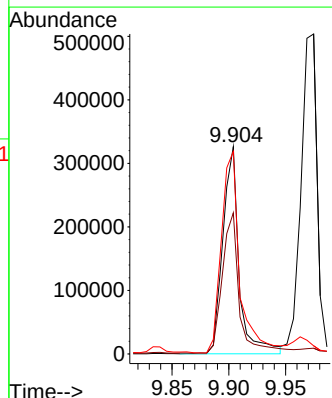
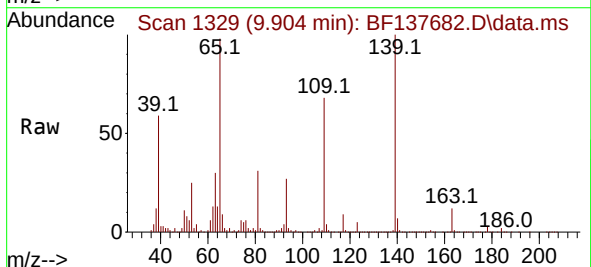
Tgt Ion:139 Resp: 325978

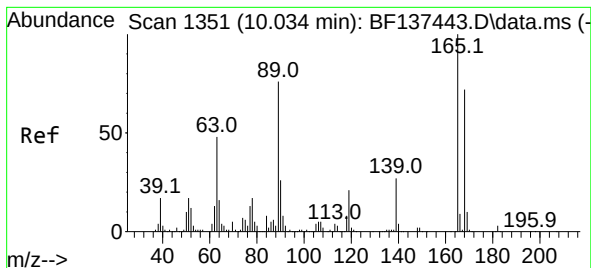
Ion Ratio Lower Upper

139 100

109 68.1 47.1 87.1

65 97.8 85.1 125.1





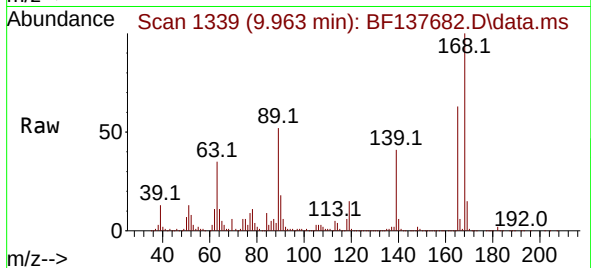
#57  
2,4-Dinitrotoluene  
Concen: 44.258 ng  
RT: 9.963 min Scan# 1399  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

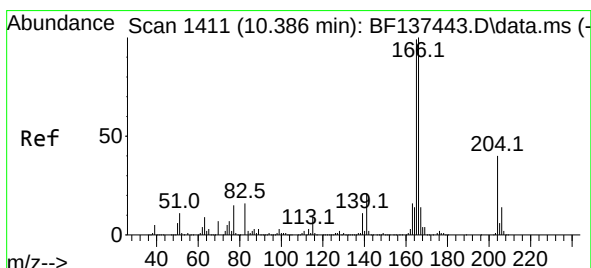
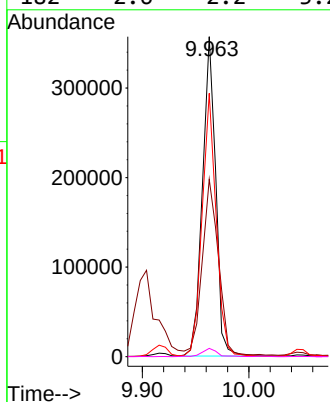
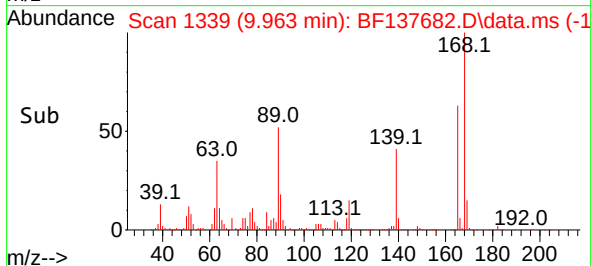


Tgt Ion:165 Resp: 309160  
Ion Ratio Lower Upper  
165 100  
63 55.4 39.0 58.6  
89 82.3 60.9 91.3  
182 2.6 2.2 3.2

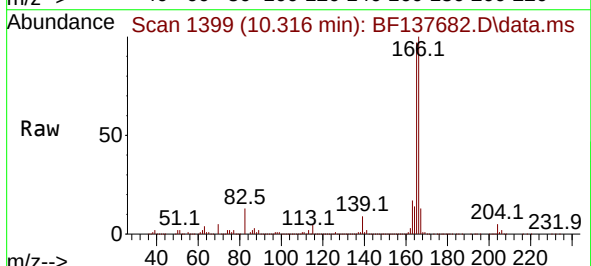
Manual Integrations

APPROVED

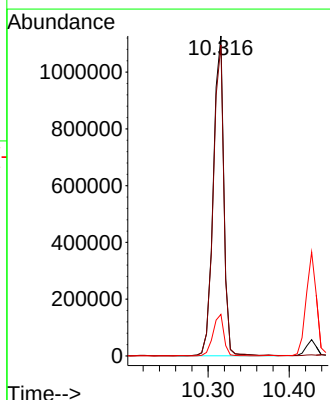
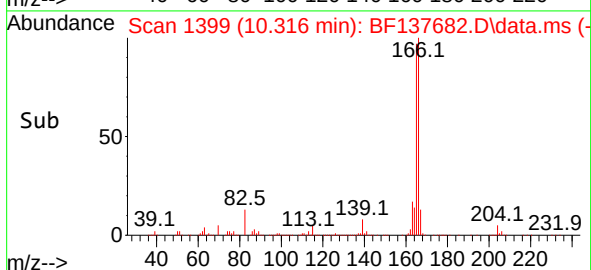
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



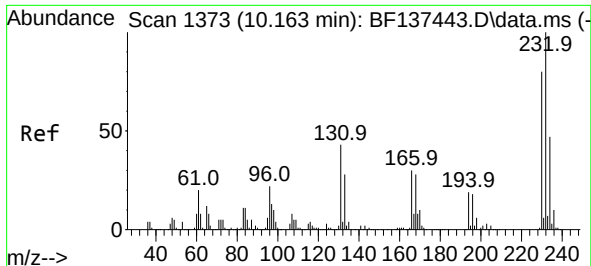
#58  
Fluorene  
Concen: 41.330 ng  
RT: 10.316 min Scan# 1399  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:166 Resp: 1006533  
Ion Ratio Lower Upper  
166 100  
165 97.2 79.2 118.8  
167 13.0 11.0 16.6

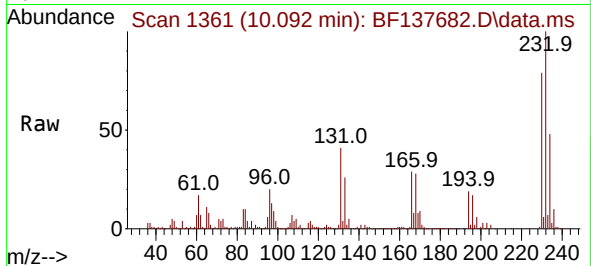






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.154 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

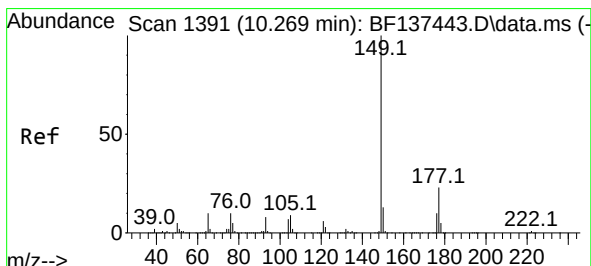
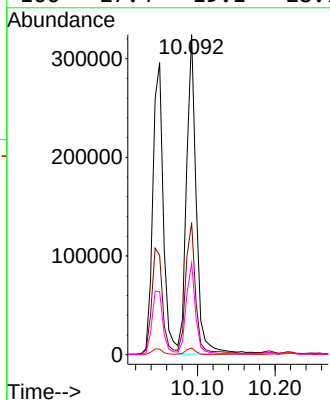
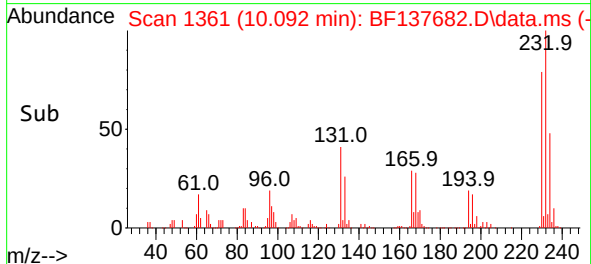
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



Tgt Ion:232 Resp: 283018  
Ion Ratio Lower Upper  
232 100  
131 41.1 31.2 46.8  
130 2.0 1.8 2.6  
166 27.4 19.1 28.7

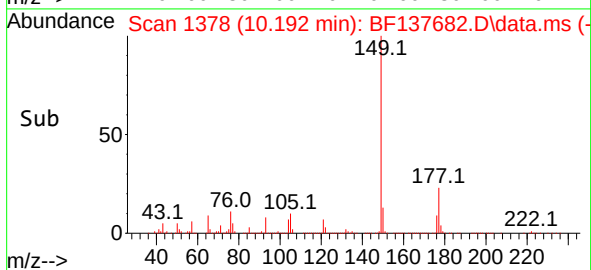
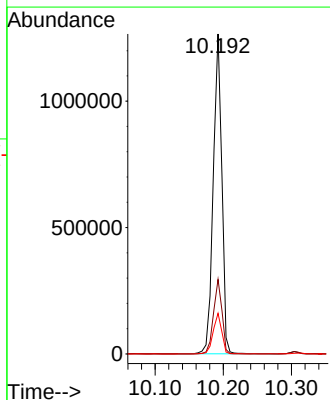
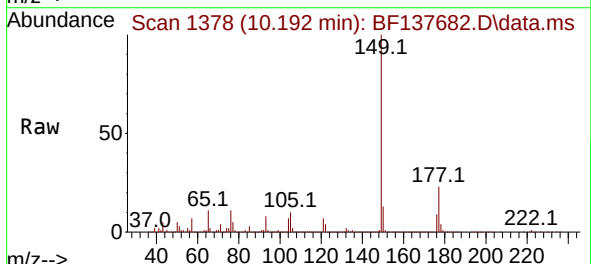
Manual Integrations  
APPROVED

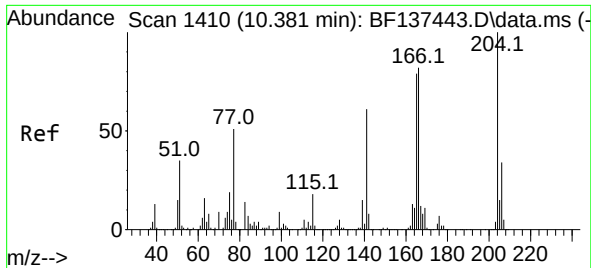
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#60  
Diethylphthalate  
Concen: 43.188 ng  
RT: 10.192 min Scan# 1378  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:149 Resp: 1108693  
Ion Ratio Lower Upper  
149 100  
177 23.3 18.7 28.1  
150 12.7 10.2 15.4





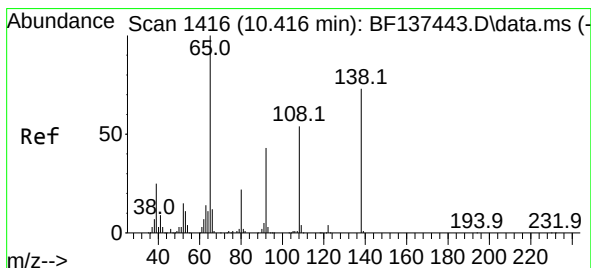
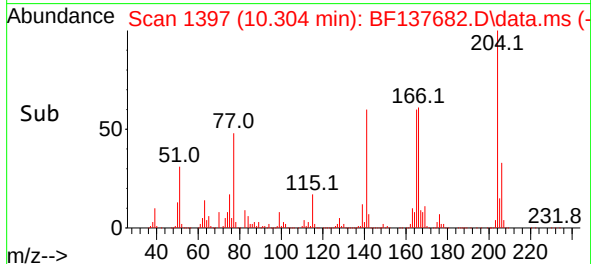
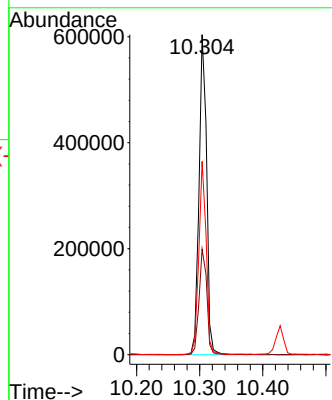
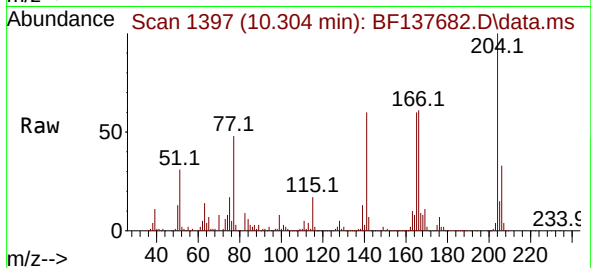
#61  
4-Chlorophenyl-phenylether  
Concen: 42.092 ng  
RT: 10.304 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS

Tgt Ion:204 Resp: 50238  
Ion Ratio Lower Upper  
204 100  
206 33.0 27.4 41.0  
141 60.4 48.4 72.6

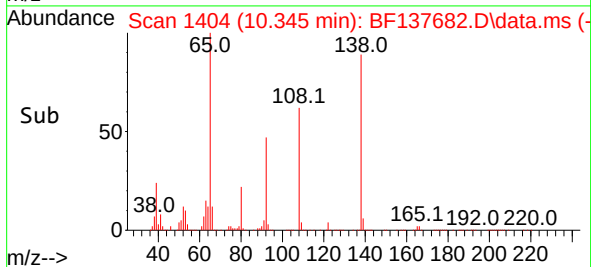
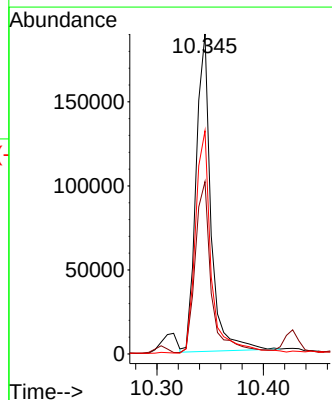
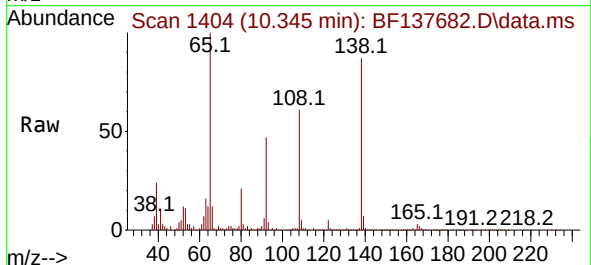
Manual Integrations  
APPROVED

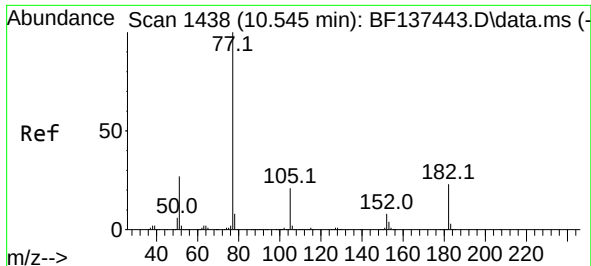
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#62  
4-Nitroaniline  
Concen: 35.473 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.012 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:138 Resp: 183363  
Ion Ratio Lower Upper  
138 100  
92 53.9 37.9 77.9  
108 69.7 53.2 93.2





#63  
Azobenzene  
Concen: 40.041 ng  
RT: 10.469 min Scan# 1438  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

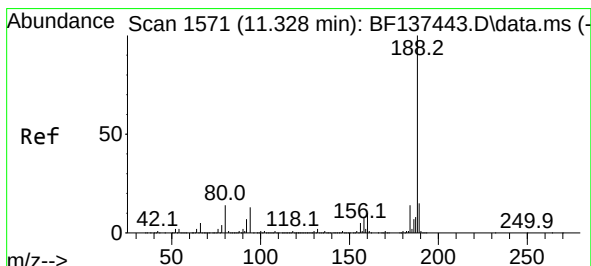
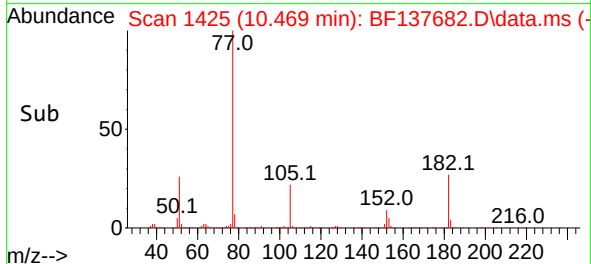
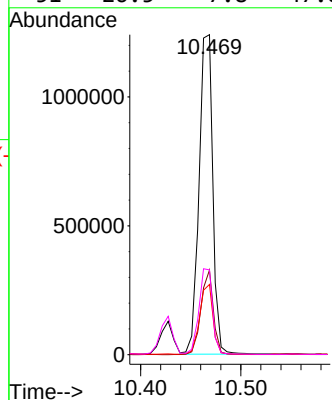
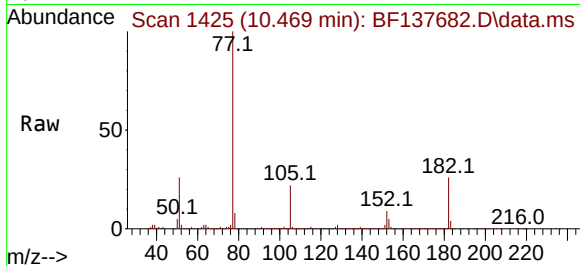
72-11933MS

Tgt Ion: 77 Resp: 1183630  
Ion Ratio Lower Upper  
77 100  
182 26.5 3.2 43.2  
105 21.9 1.2 41.2  
51 26.5 7.8 47.8

Manual Integrations

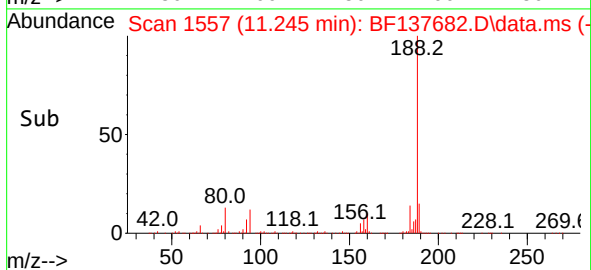
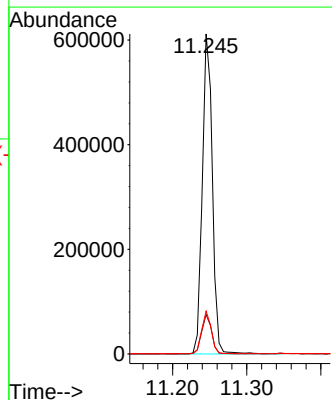
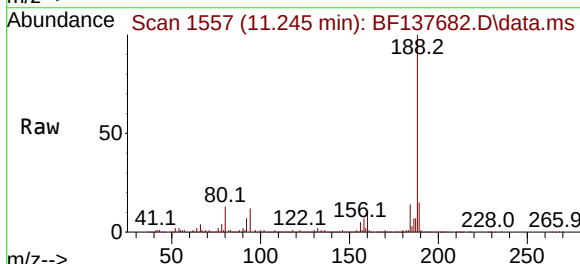
APPROVED

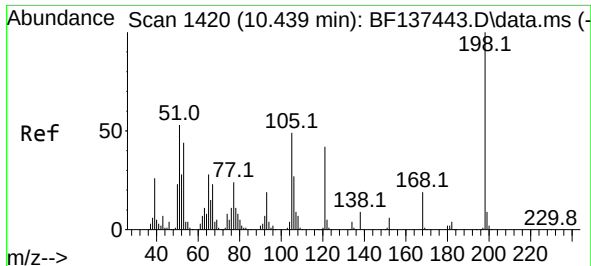
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.245 min Scan# 1557  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

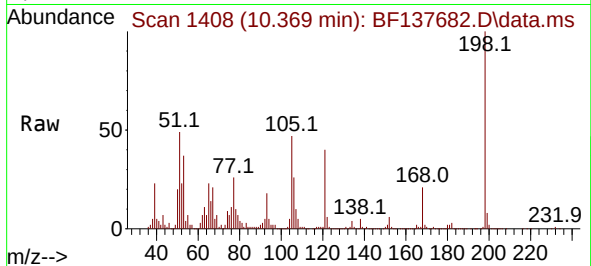
Tgt Ion:188 Resp: 573985  
Ion Ratio Lower Upper  
188 100  
94 12.3 10.6 15.8  
80 13.4 11.5 17.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.778 ng  
RT: 10.369 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

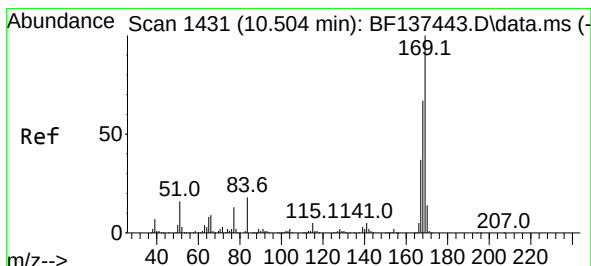
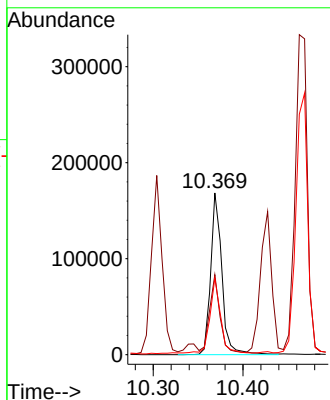
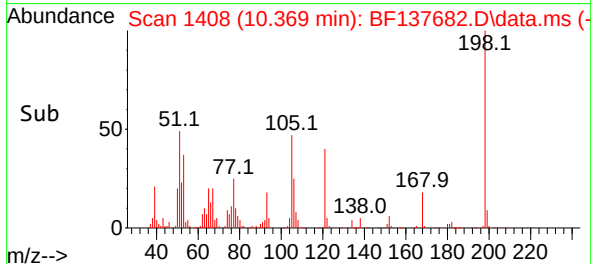
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



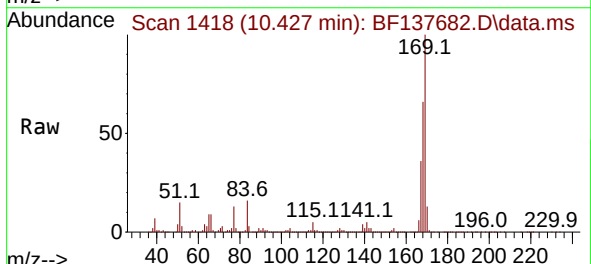
Tgt Ion:198 Resp: 146441  
Ion Ratio Lower Upper  
198 100  
51 49.4 37.2 77.2  
105 47.3 29.2 69.2

Manual Integrations  
APPROVED

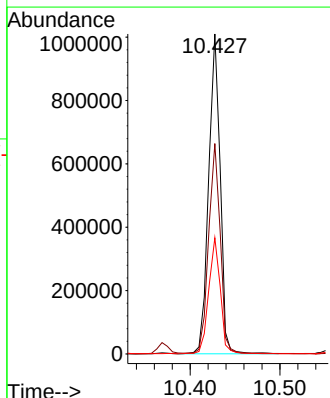
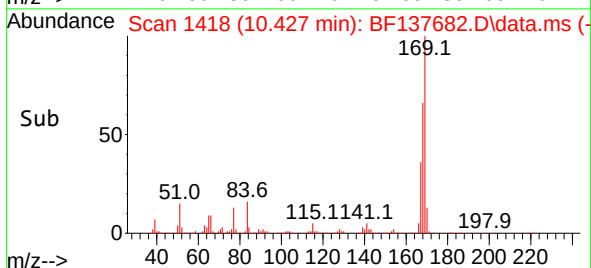
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

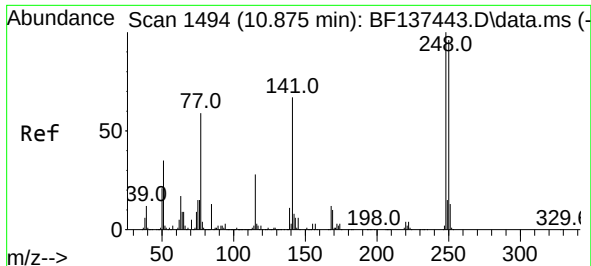


#66  
n-Nitrosodiphenylamine  
Concen: 48.663 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



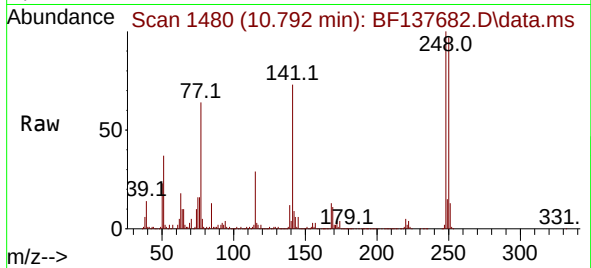
Tgt Ion:169 Resp: 899439  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.8 80.6  
167 36.3 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 50.883 ng  
RT: 10.792 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

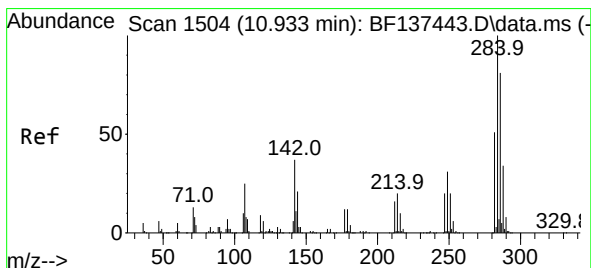
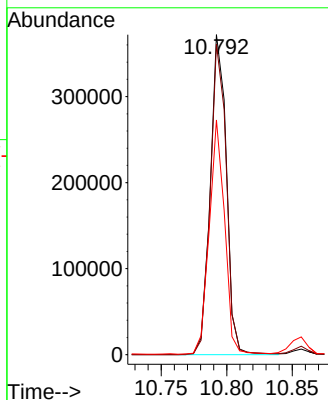
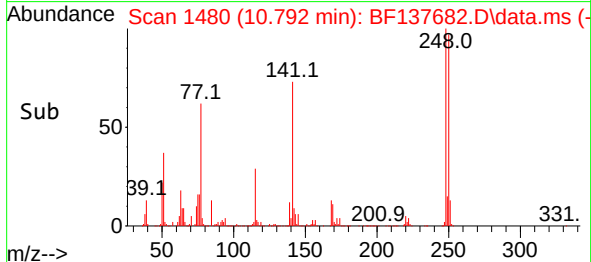
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



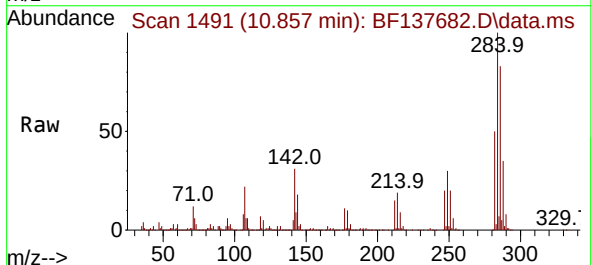
Tgt Ion:248 Resp: 318104  
Ion Ratio Lower Upper  
248 100  
250 97.0 76.8 115.2  
141 73.3 53.4 80.0

Manual Integrations  
APPROVED

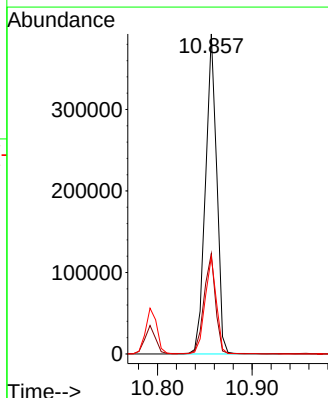
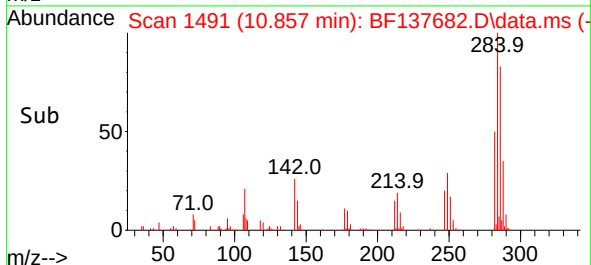
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

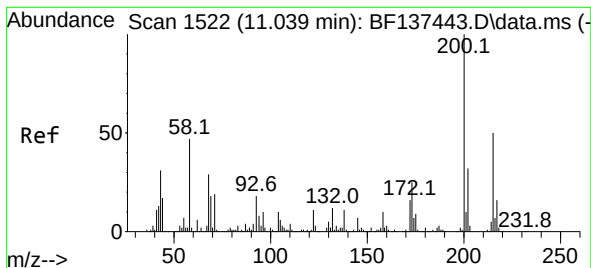


#68  
Hexachlorobenzene  
Concen: 51.112 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:284 Resp: 322737  
Ion Ratio Lower Upper  
284 100  
142 31.4 29.4 44.0  
249 30.4 25.0 37.4





#69

Atrazine

Concen: 50.441 ng

RT: 10.957 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:200 Resp: 283420

Ion Ratio Lower Upper

200 100

173 26.7 5.1 45.1

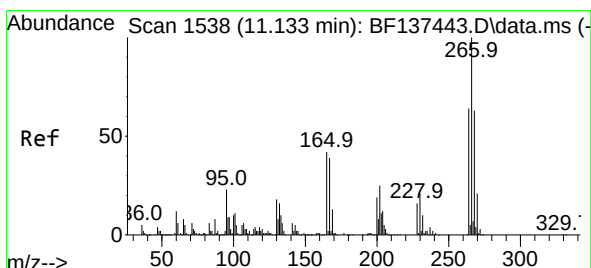
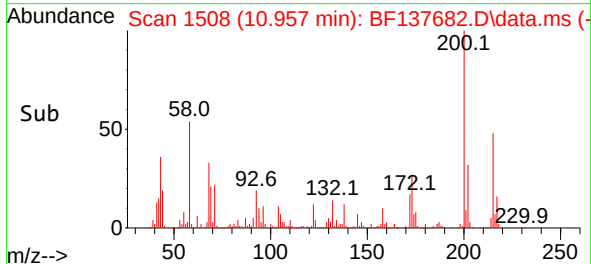
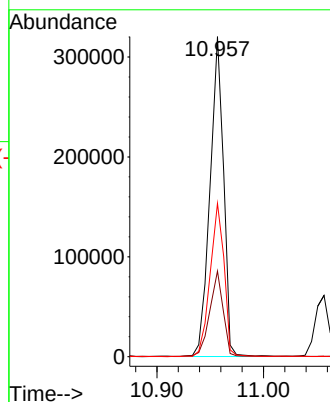
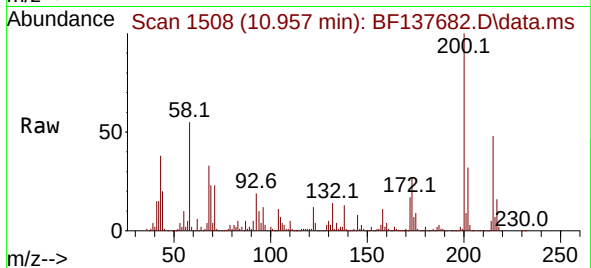
215 47.9 30.4 70.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#70

Pentachlorophenol

Concen: 84.952 ng

RT: 11.057 min Scan# 1525

Delta R.T. 0.012 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

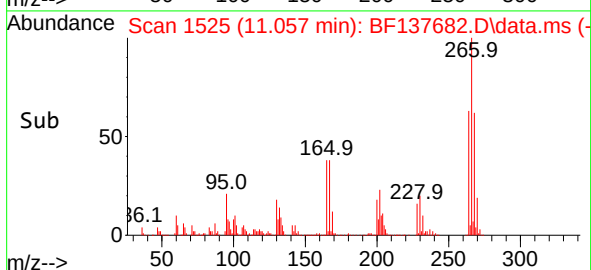
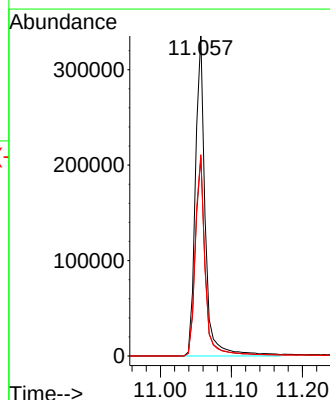
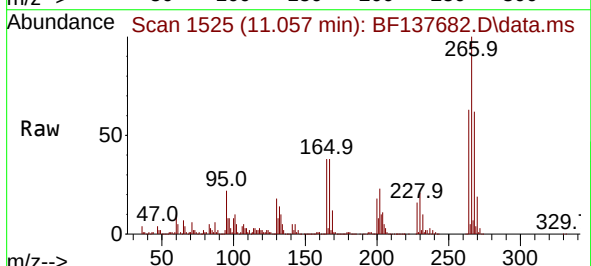
Tgt Ion:266 Resp: 324274

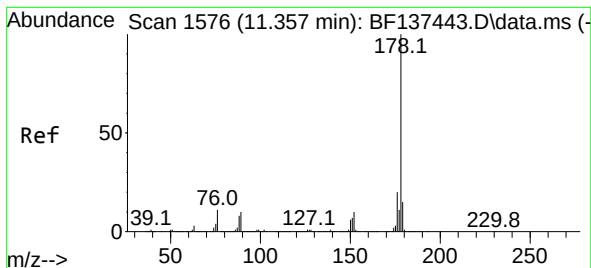
Ion Ratio Lower Upper

266 100

268 62.1 50.2 75.2

264 62.9 50.9 76.3





#71

Phenanthrene

Concen: 45.730 ng

RT: 11.274 min Scan# 1562

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:178 Resp: 1428500

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

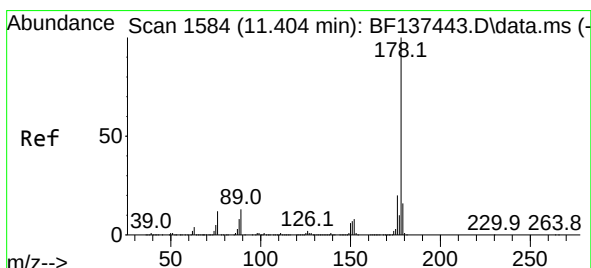
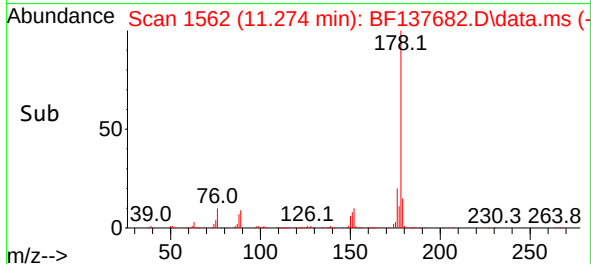
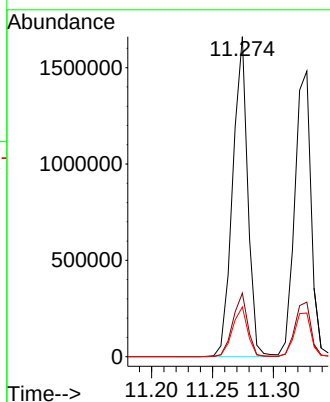
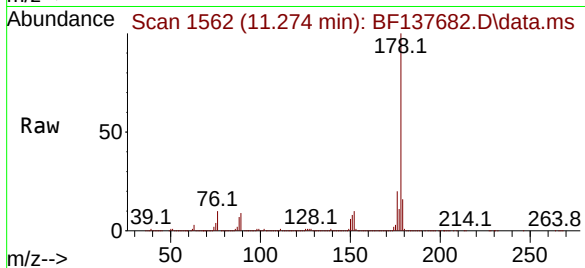
179 15.6 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#72

Anthracene

Concen: 43.849 ng

RT: 11.327 min Scan# 1571

Delta R.T. 0.012 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

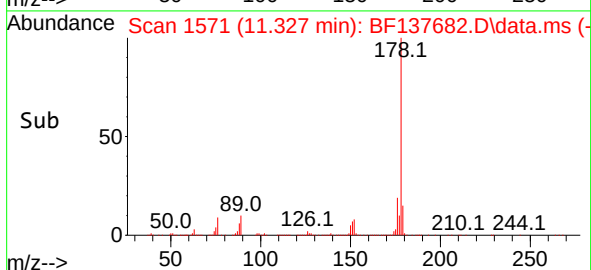
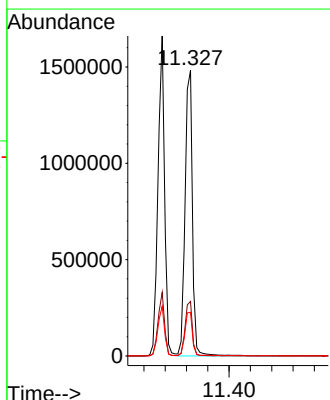
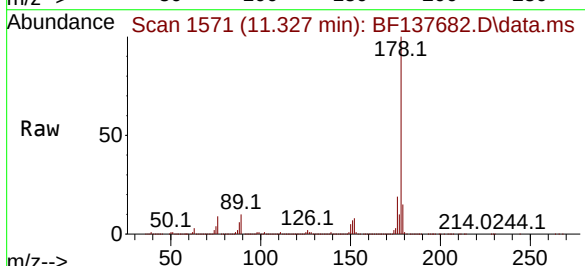
Tgt Ion:178 Resp: 1406779

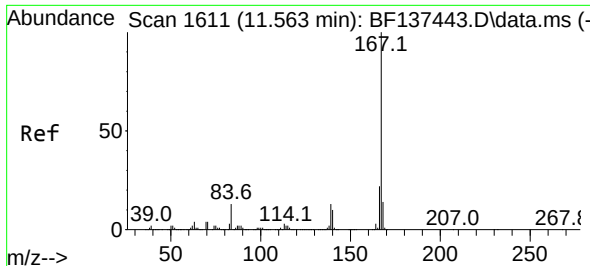
Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

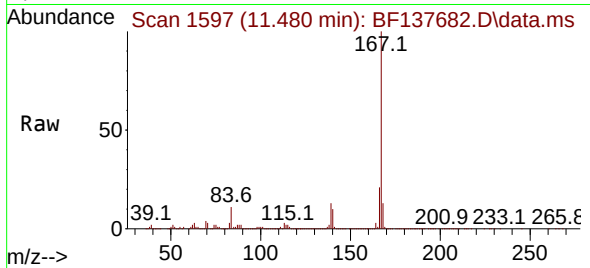
179 15.3 12.7 19.1





#73  
 Carbazole  
 Concen: 42.722 ng  
 RT: 11.480 min Scan# 1611  
 Delta R.T. 0.006 min  
 Lab File: BF137682.D  
 Acq: 22 Mar 2024 15:26

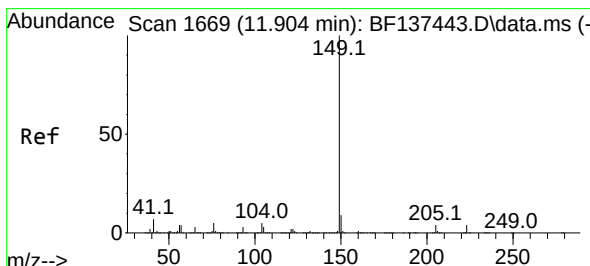
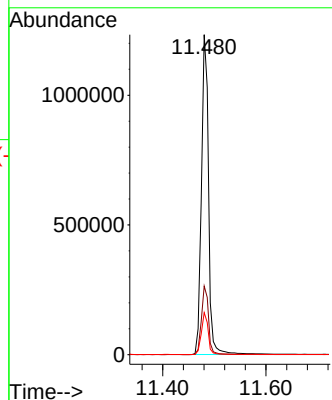
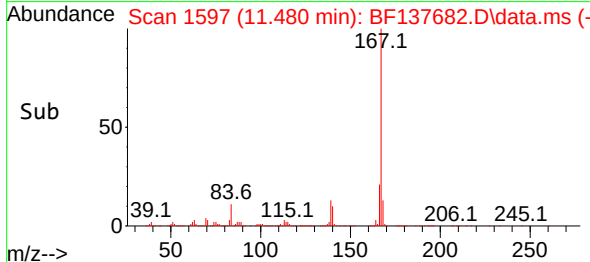
Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11933MS



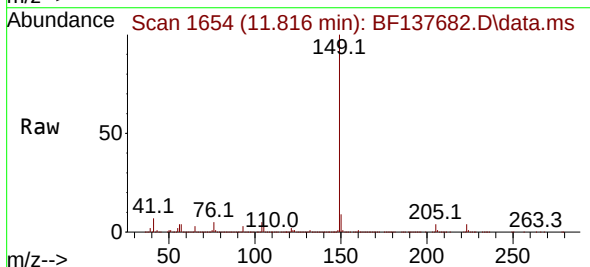
Tgt Ion:167 Resp: 117404  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.8 26.8  
 139 13.2 10.5 15.7

Manual Integrations  
 APPROVED

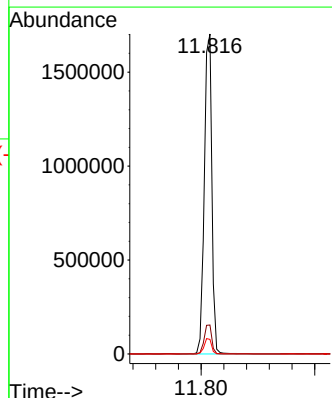
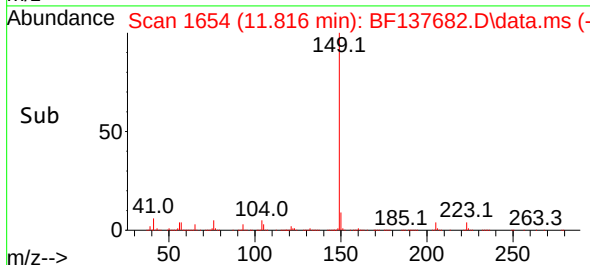
Reviewed By :Yogesh Patel 03/26/2024  
 Supervised By :mohammad ahmed 03/26/2024



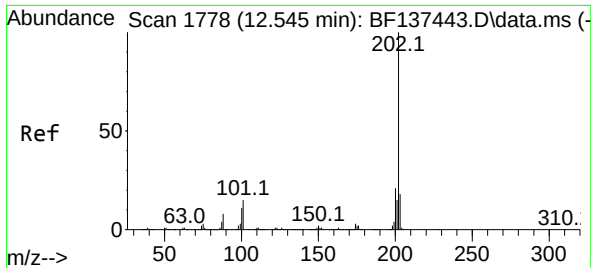
#74  
 Di-n-butylphthalate  
 Concen: 47.791 ng  
 RT: 11.816 min Scan# 1654  
 Delta R.T. 0.006 min  
 Lab File: BF137682.D  
 Acq: 22 Mar 2024 15:26



Tgt Ion:149 Resp: 1562579  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.4 11.0  
 104 4.6 3.8 5.6

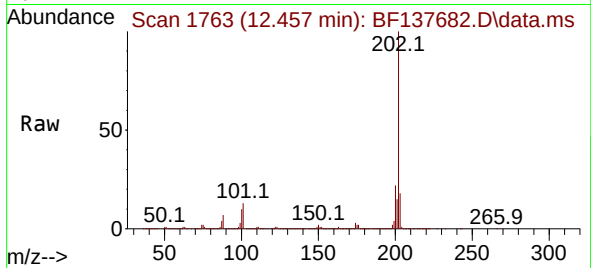






#75  
Fluoranthene  
Concen: 42.798 ng  
RT: 12.457 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

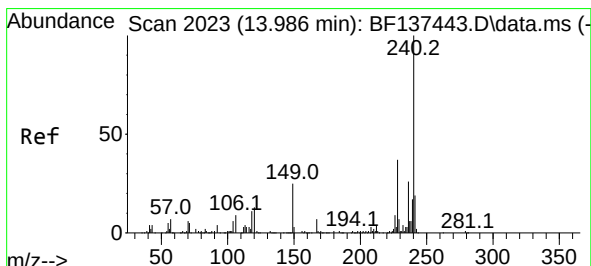
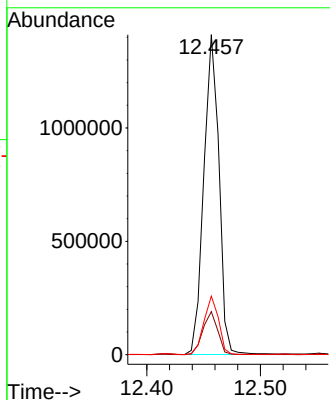
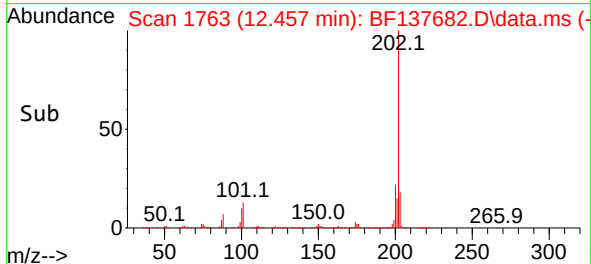
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



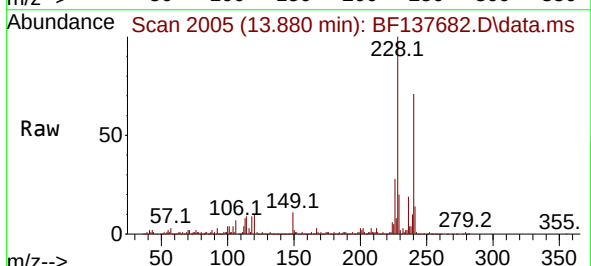
Tgt Ion:202 Resp: 1306798  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 35.0  
203 18.3 0.0 37.7

Manual Integrations  
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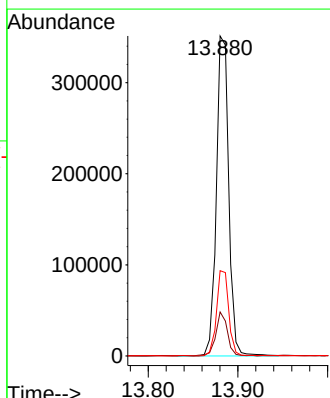
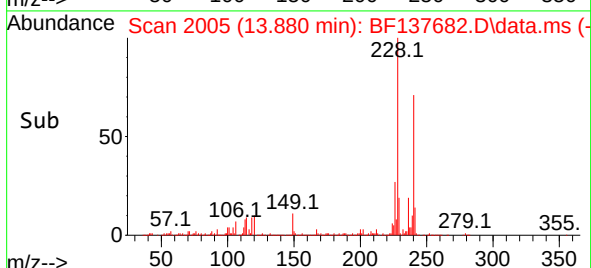
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

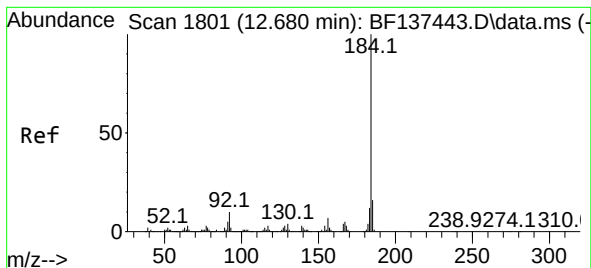


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.880 min Scan# 2005  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:240 Resp: 336291  
Ion Ratio Lower Upper  
240 100  
120 13.8 10.4 15.6  
236 26.6 20.9 31.3





#77

Benzidine

Concen: 53.729 ng

RT: 12.586 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:184 Resp: 442178

Ion Ratio Lower Upper

184 100

185 14.9 13.2 19.8

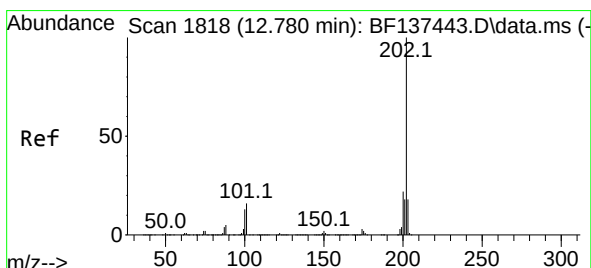
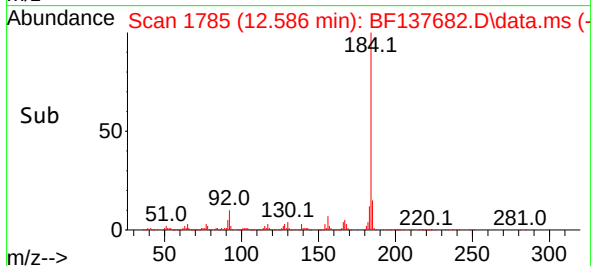
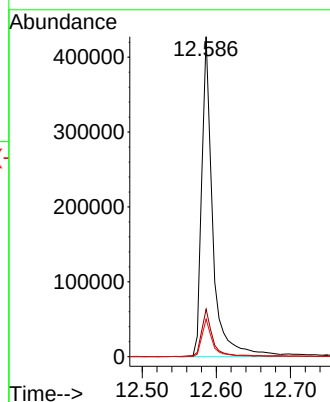
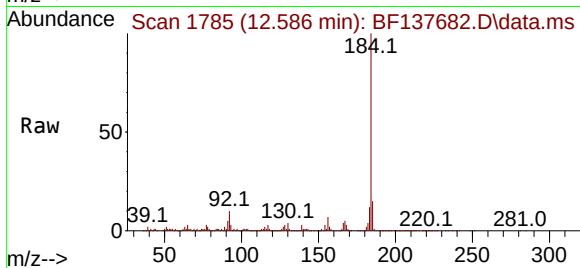
183 11.7 9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#78

Pyrene

Concen: 39.974 ng

RT: 12.686 min Scan# 1802

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

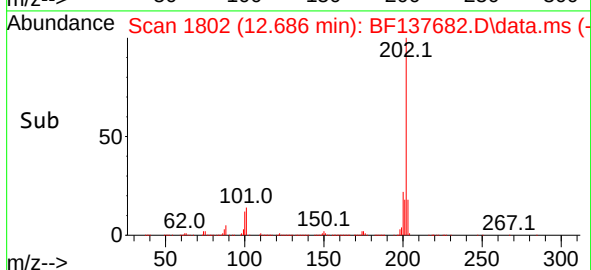
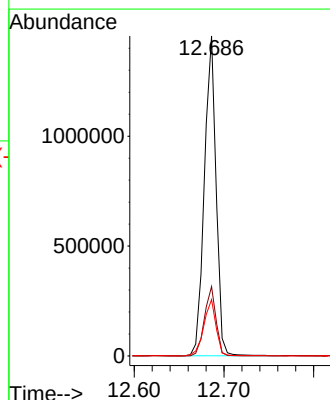
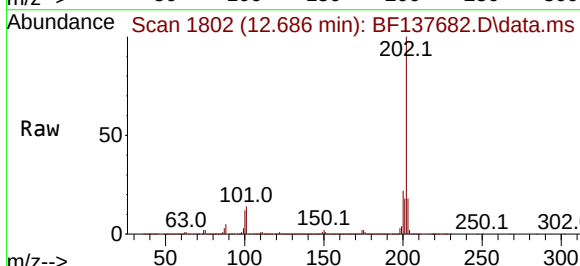
Tgt Ion:202 Resp: 1319063

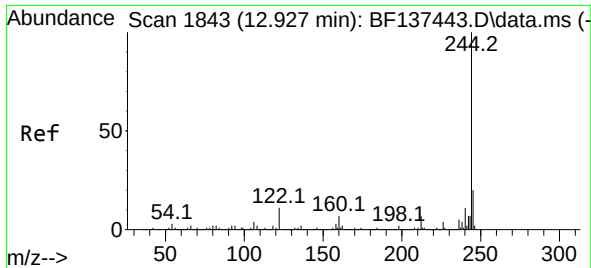
Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

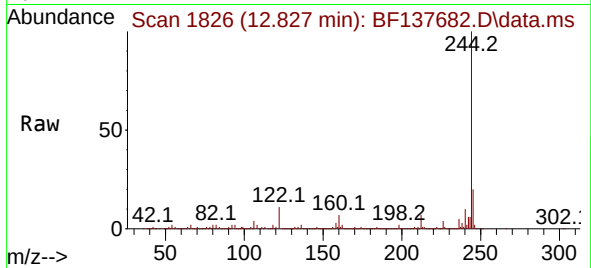
203 17.6 14.1 21.1





#79  
 Terphenyl-d14  
 Concen: 38.302 ng  
 RT: 12.827 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: BF137682.D  
 Acq: 22 Mar 2024 15:26

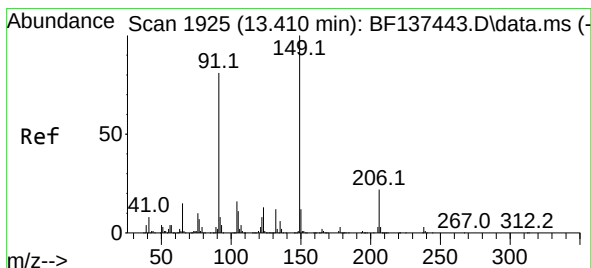
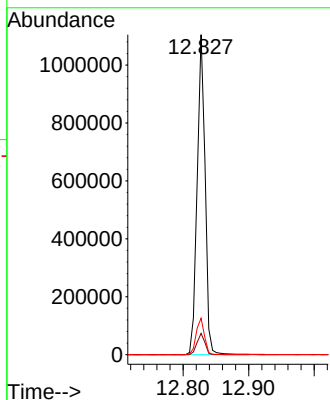
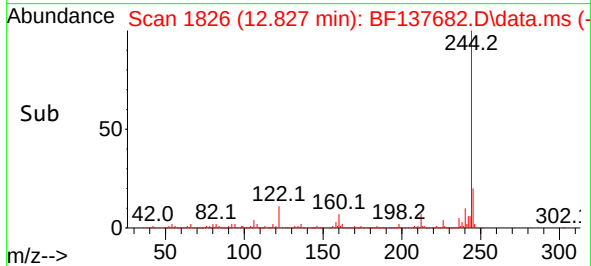
Instrument :  
 BNA\_F  
 ClientSampleId :  
 72-11933MS



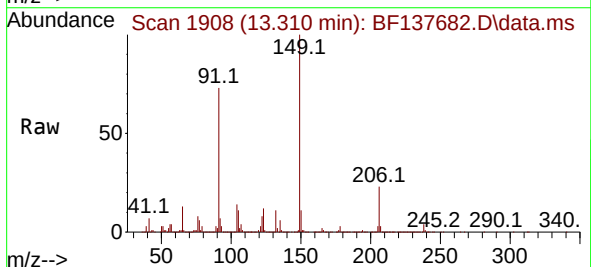
Tgt Ion:244 Resp: 936709  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.2  
 122 11.4 9.1 13.7

Manual Integrations  
 APPROVED

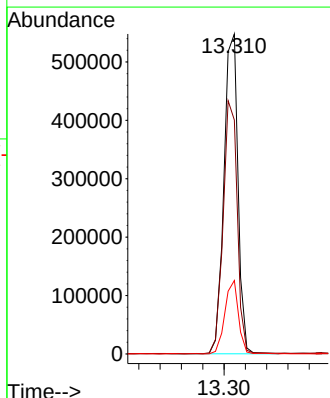
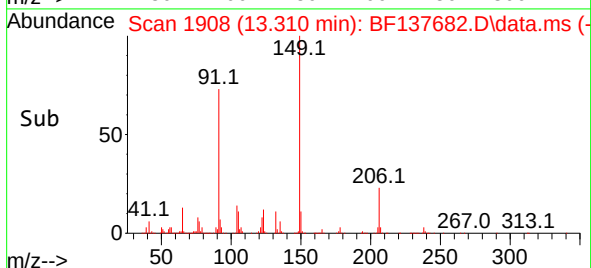
Reviewed By :Yogesh Patel 03/26/2024  
 Supervised By :mohammad ahmed 03/26/2024

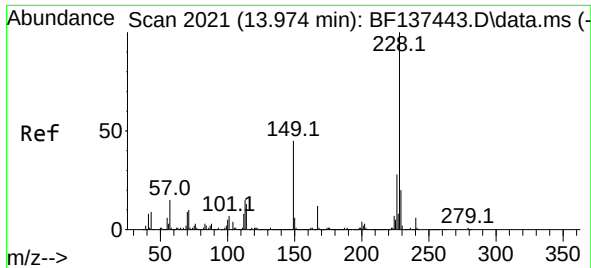


#80  
 Butylbenzylphthalate  
 Concen: 59.412 ng  
 RT: 13.310 min Scan# 1908  
 Delta R.T. 0.006 min  
 Lab File: BF137682.D  
 Acq: 22 Mar 2024 15:26



Tgt Ion:149 Resp: 500672  
 Ion Ratio Lower Upper  
 149 100  
 91 73.1 64.7 97.1  
 206 23.0 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 46.356 ng  
RT: 13.874 min Scan# 2021  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

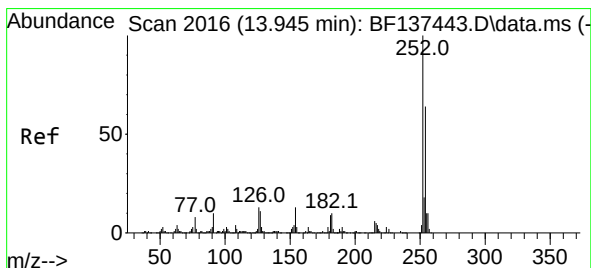
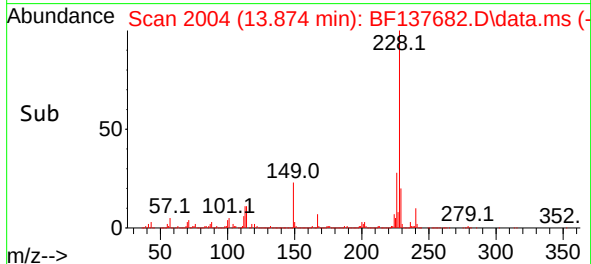
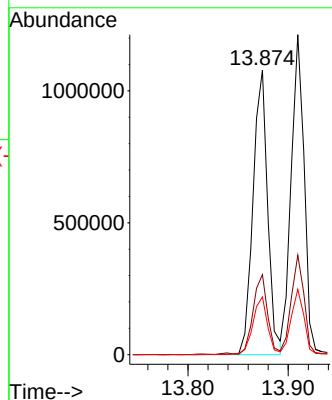
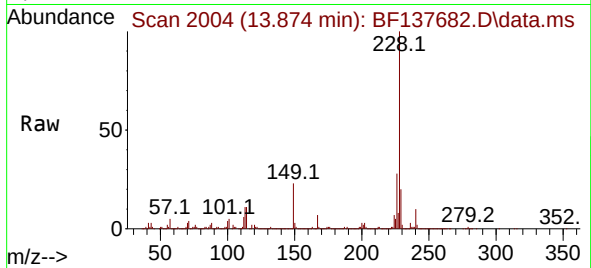
72-11933MS

Tgt Ion:228 Resp: 1092620  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.3 33.5  
229 20.3 16.3 24.5

Manual Integrations

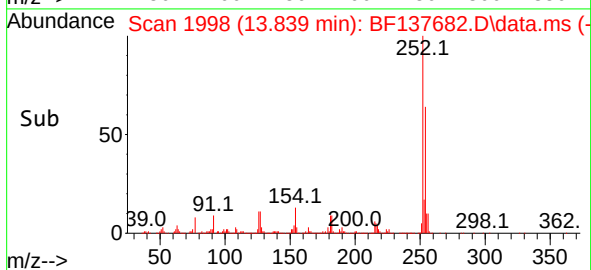
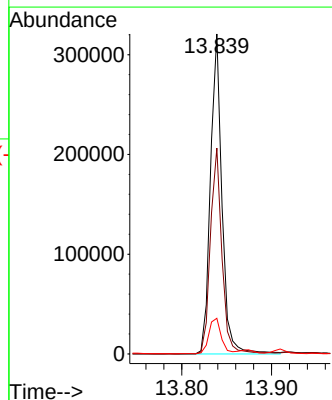
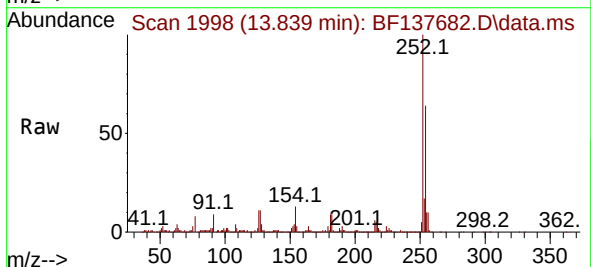
APPROVED

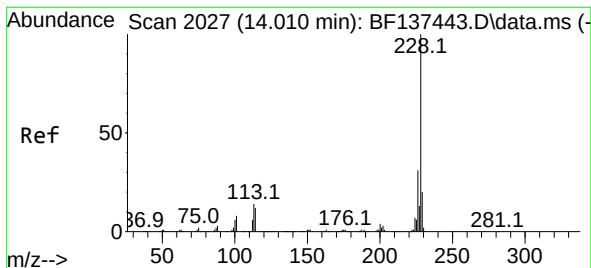
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 45.529 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:252 Resp: 285778  
Ion Ratio Lower Upper  
252 100  
254 64.4 51.4 77.2  
126 11.1 10.4 15.6





#83

Chrysene

Concen: 45.909 ng

RT: 13.910 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:228 Resp: 109366

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

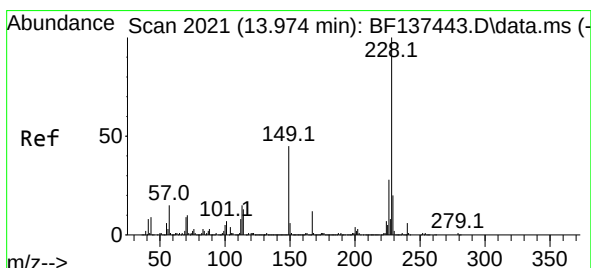
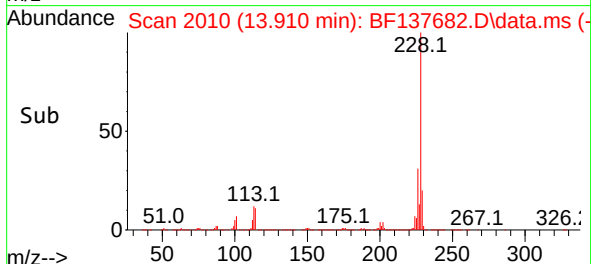
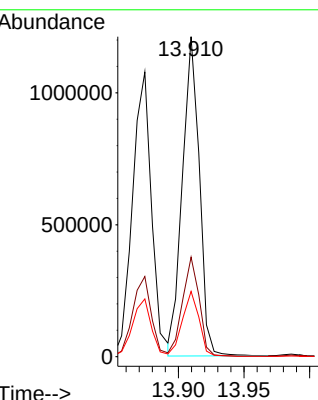
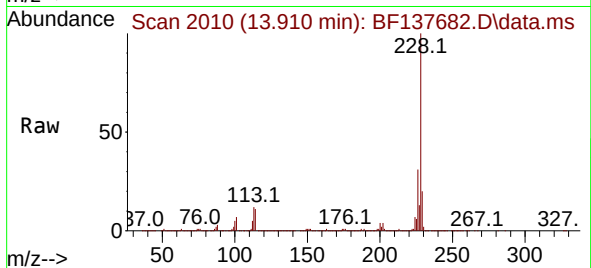
229 20.4 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 63.270 ng

RT: 13.868 min Scan# 2003

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

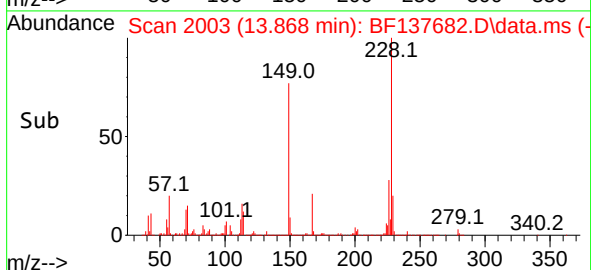
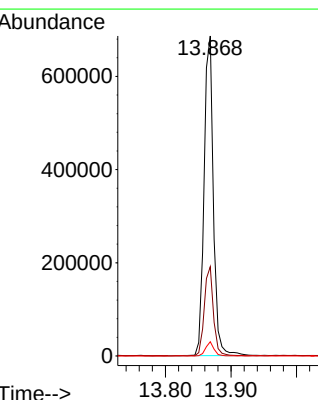
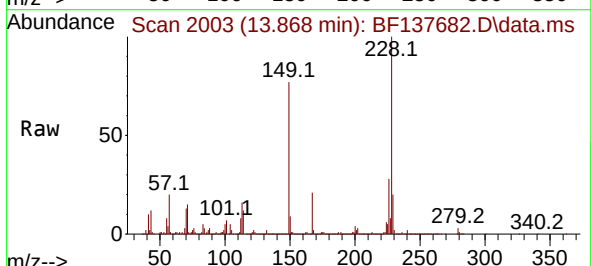
Tgt Ion:149 Resp: 677697

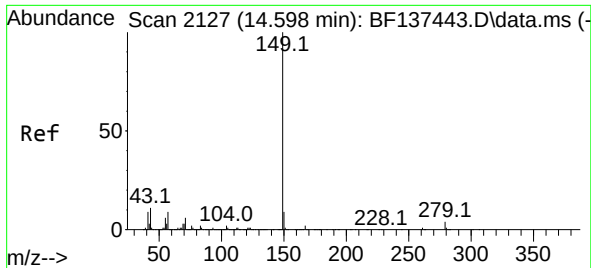
Ion Ratio Lower Upper

149 100

167 27.9 21.3 31.9

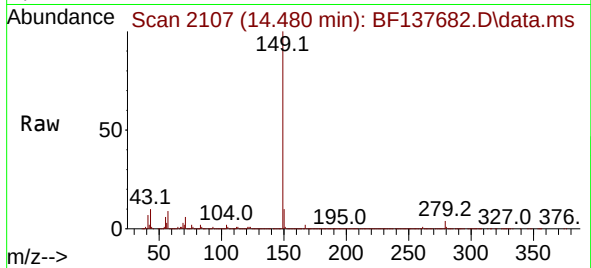
279 4.5 2.6 4.0#





#85  
Di-n-octyl phthalate  
Concen: 58.950 ng  
RT: 14.480 min Scan# 2127  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

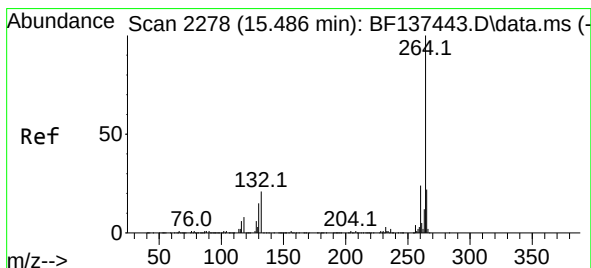
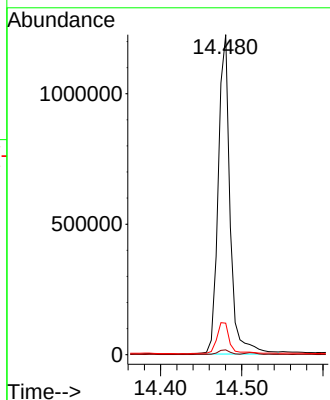
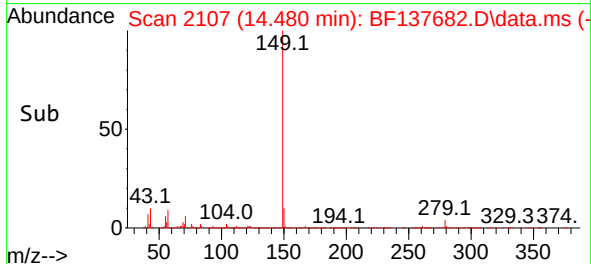
Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS



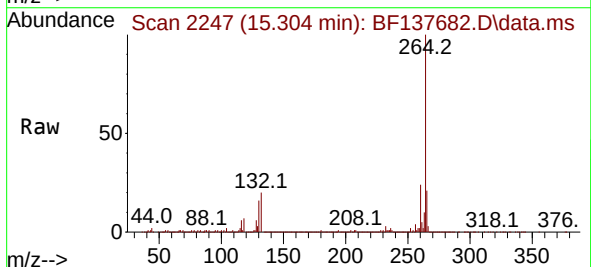
Tgt Ion:149 Resp: 124683  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.8 9.6 14.4

Manual Integrations  
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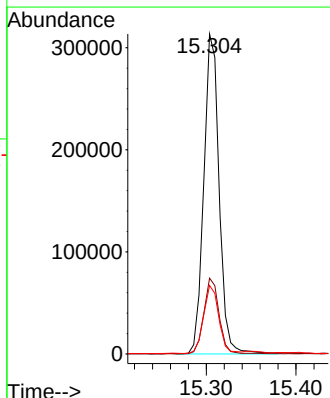
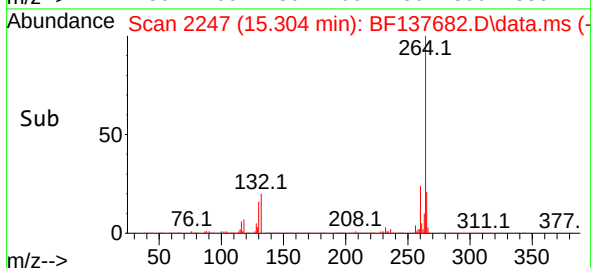
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024

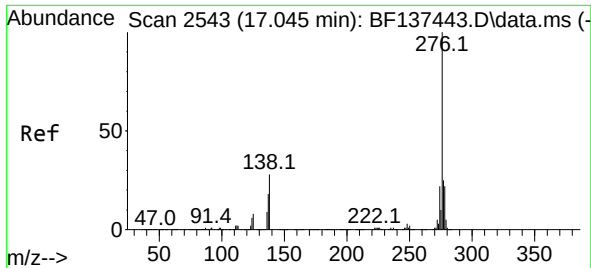


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.304 min Scan# 2247  
Delta R.T. 0.006 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26



Tgt Ion:264 Resp: 372839  
Ion Ratio Lower Upper  
264 100  
260 23.7 19.3 28.9  
265 21.4 17.4 26.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 36.745 ng  
RT: 16.704 min Scan# 2485  
Delta R.T. 0.017 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

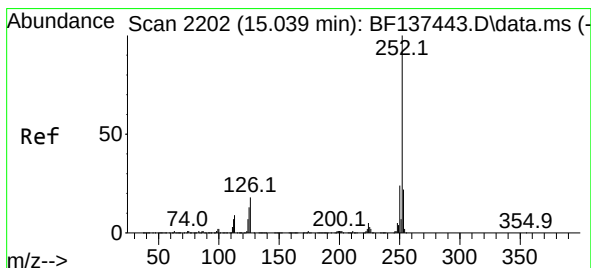
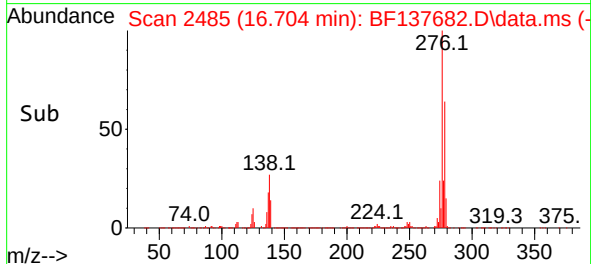
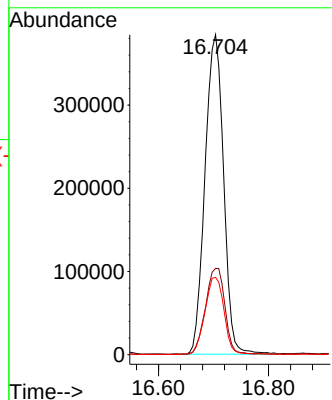
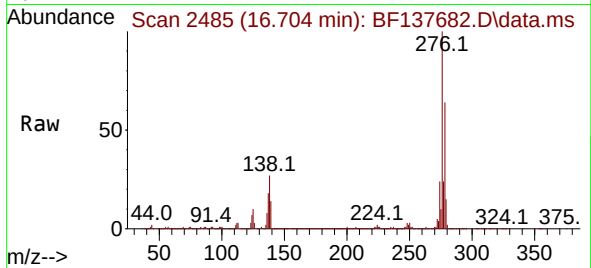
ClientSampleId :

72-11933MS

Tgt Ion:276 Resp: 901552  
Ion Ratio Lower Upper  
276 100  
138 28.1 25.8 38.8  
277 24.8 20.2 30.2

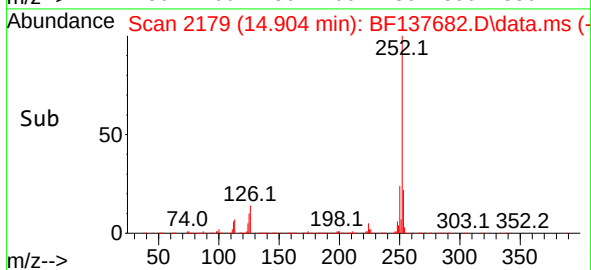
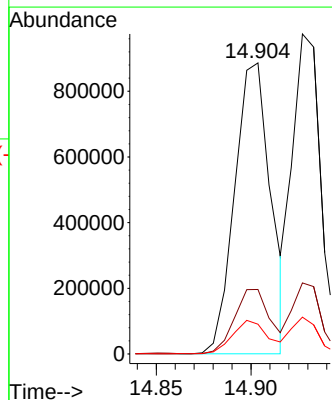
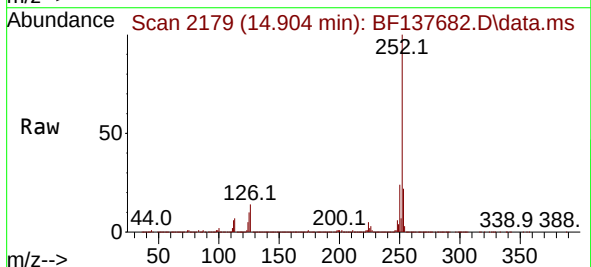
Manual Integrations  
APPROVED

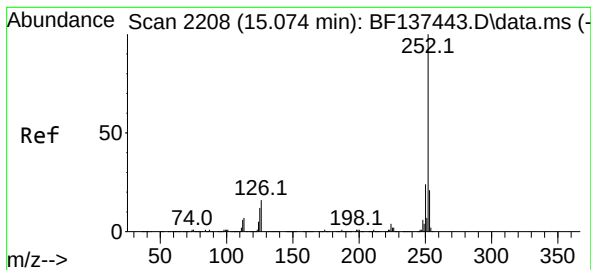
Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#88  
Benzo(b)fluoranthene  
Concen: 53.135 ng  
RT: 14.904 min Scan# 2179  
Delta R.T. 0.012 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:252 Resp: 1171880  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.8  
125 10.2 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 42.483 ng

RT: 14.927 min Scan# 2183

Delta R.T. 0.006 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

Instrument :

BNA\_F

ClientSampleId :

72-11933MS

Tgt Ion:252 Resp: 100639

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

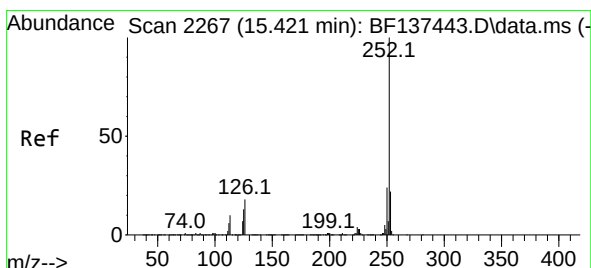
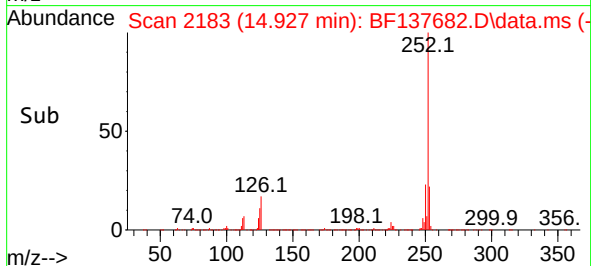
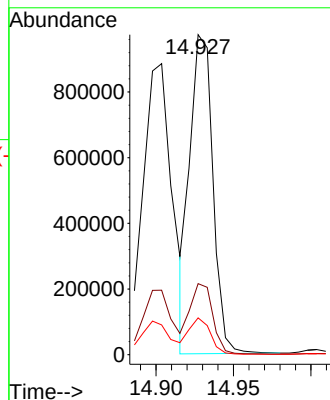
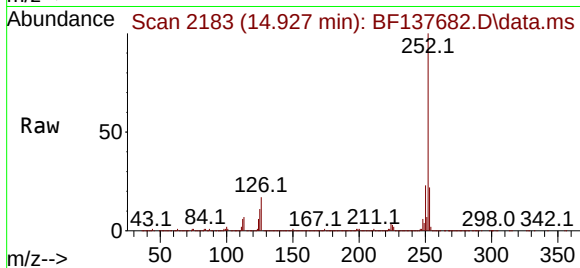
125 11.5 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/26/2024

Supervised By :mohammad ahmed 03/26/2024



#90

Benzo(a)pyrene

Concen: 45.806 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.012 min

Lab File: BF137682.D

Acq: 22 Mar 2024 15:26

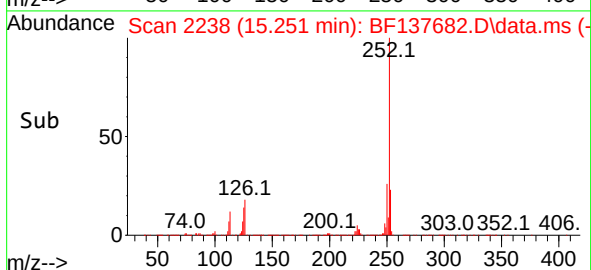
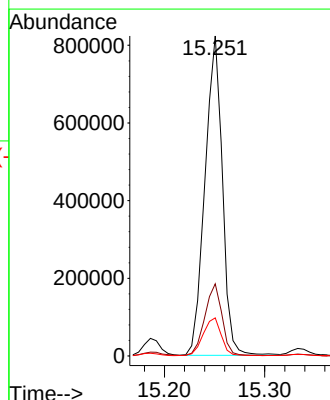
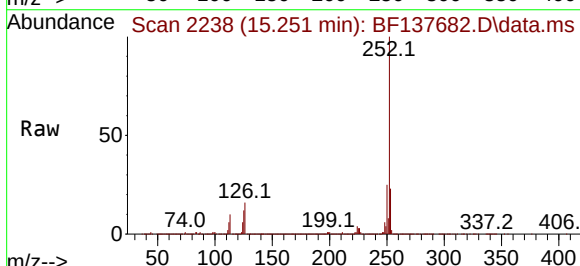
Tgt Ion:252 Resp: 995554

Ion Ratio Lower Upper

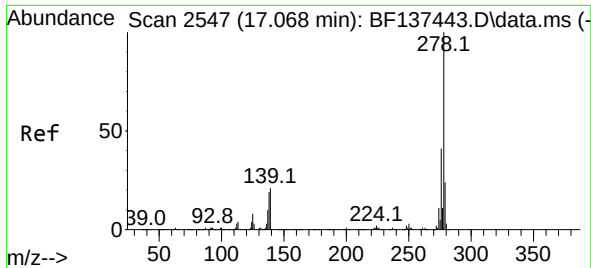
252 100

253 22.6 17.4 26.2

125 11.9 10.4 15.6







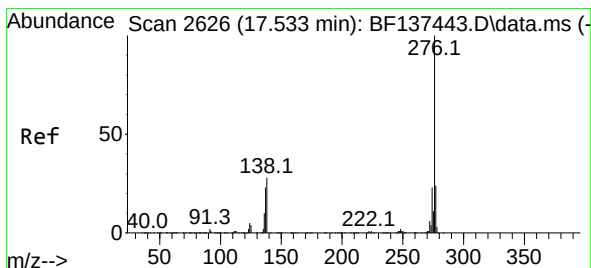
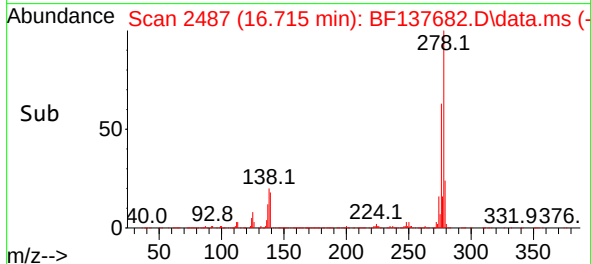
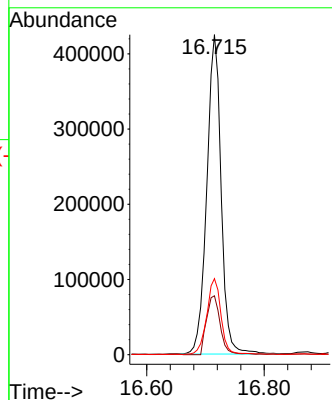
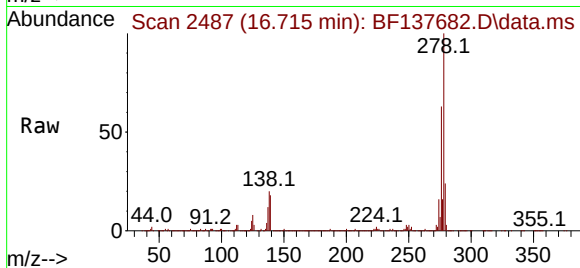
#91  
Dibenzo(a,h)anthracene  
Concen: 35.997 ng  
RT: 16.715 min Scan# 2487  
Delta R.T. 0.017 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Instrument :  
BNA\_F  
ClientSampleId :  
72-11933MS

Tgt Ion:278 Resp: 71645  
Ion Ratio Lower Upper  
278 100  
139 18.4 17.0 25.6  
279 23.8 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 03/26/2024  
Supervised By :mohammad ahmed 03/26/2024



#92  
Benzo(g,h,i)perylene  
Concen: 32.534 ng  
RT: 17.121 min Scan# 2556  
Delta R.T. 0.018 min  
Lab File: BF137682.D  
Acq: 22 Mar 2024 15:26

Tgt Ion:276 Resp: 665009  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.4  
138 25.6 22.2 33.2

