

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032124\  
 Data File : BF137665.D  
 Acq On : 21 Mar 2024 17:26  
 Operator : CG\JU  
 Sample : P1803-02MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-PITMSD

Quant Time: Mar 21 17:51:41 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

Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

03/22/2024  
 Supervised By :mohammad  
 ahmed

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 135306   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 522520   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.757  | 164  | 278590   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 431038   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 274642   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.298 | 264  | 293003   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1149874  | 128.710 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.369  | 99   | 1413755  | 109.630 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.292  | 82   | 1020864  | 90.778  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.551 | 330  | 361747   | 147.863 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1678980  | 94.340  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 1521942  | 76.202  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.528  | 88   | 196005   | 40.125  | ng    | # 82     |
| 3) Pyridine                   | 3.210  | 79   | 313334   | 26.596  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.140  | 42   | 188876   | 40.245  | ng    | 95       |
| 6) Aniline                    | 6.404  | 93   | 84948    | 5.391   | ng    | # 68     |
| 8) 2-Chlorophenol             | 6.516  | 128  | 448920   | 47.642  | ng    | 97       |
| 9) Benzaldehyde               | 6.287  | 77   | 38817    | 6.144   | ng    | 91       |
| 10) Phenol                    | 6.381  | 94   | 511703   | 36.866  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 459157   | 45.143  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.669  | 146  | 485353   | 48.203  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 486604   | 47.233  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 472360   | 49.954  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.875  | 79   | 367909   | 45.827  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.004  | 45   | 688146   | 39.360  | ng    | 92       |
| 17) 2-Methylphenol            | 6.992  | 107  | 352250   | 39.950  | ng    | 96       |
| 18) Hexachloroethane          | 7.234  | 117  | 169115   | 49.854  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.145  | 70   | 337506   | 42.383  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.145  | 107  | 426248   | 42.210  | ng    | 96       |
| 22) Acetophenone              | 7.140  | 105  | 611335   | 48.355  | ng    | # 94     |
| 24) Nitrobenzene              | 7.316  | 77   | 506142   | 44.804  | ng    | 93       |
| 25) Isophorone                | 7.551  | 82   | 946059   | 44.281  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.628  | 139  | 224631   | 50.085  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.669  | 122  | 314082   | 37.478  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.763  | 93   | 576276   | 45.972  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.869  | 162  | 371763   | 48.335  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.951  | 180  | 396070   | 48.934  | ng    | 99       |
| 31) Naphthalene               | 8.028  | 128  | 1301100  | 46.410  | ng    | 99       |
| 32) Benzoic acid              | 7.810  | 122  | 187265   | 40.009  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.092  | 127  | 33412    | 3.039   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.145  | 225  | 231000   | 48.342  | ng    | 98       |
| 35) Caprolactam               | 8.451  | 113  | 100977m  | 38.718  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.575  | 107  | 386354   | 44.939  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 810072   | 45.326  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 733280   | 43.568  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.886  | 216  | 393600   | 50.607  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.869  | 237  | 298043   | 92.470  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.004  | 196  | 249100   | 49.183  | ng    | 97       |

03/26/2024

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Manual Integrations  
 APPROVED

Reviewed By :Jagrut  
 Upadhyay

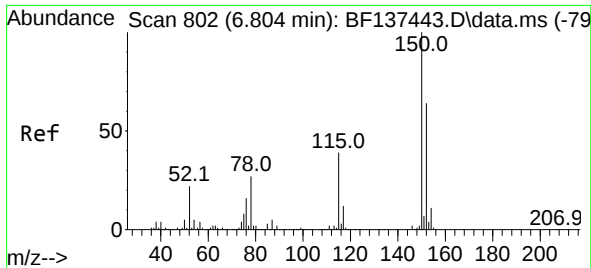
03/22/2024  
 Supervised By :mohammad  
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Quant Time: Mar 21 17:51:41 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.045  | 196  | 270196   | 46.311 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.186  | 154  | 1000559  | 49.070 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.210  | 162  | 768645   | 49.443 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.310  | 65   | 242764   | 45.944 | ng    | 95       |
| 49) Acenaphthylene            | 9.622  | 152  | 1215378  | 48.852 | ng    | 99       |
| 50) Dimethylphthalate         | 9.492  | 163  | 923519   | 47.621 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.551  | 165  | 196993   | 48.565 | ng    | 96       |
| 52) Acenaphthene              | 9.792  | 154  | 679232   | 45.731 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.733  | 138  | 19050m   | 4.440  | ng    |          |
| 54) 2,4-Dinitrophenol         | 9.833  | 184  | 159871   | 80.724 | ng    | 94       |
| 55) Dibenzofuran              | 9.969  | 168  | 1033664  | 45.693 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 208879   | 69.084 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 246401   | 49.444 | ng    | 99       |
| 58) Fluorene                  | 10.310 | 166  | 784082   | 45.131 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.086 | 232  | 216543   | 46.283 | ng    | 95       |
| 60) Diethylphthalate          | 10.186 | 149  | 850227   | 46.426 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204  | 389305   | 45.722 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.333 | 138  | 120528   | 32.685 | ng    | 99       |
| 63) Azobenzene                | 10.463 | 77   | 903162   | 42.829 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.363 | 198  | 120824   | 50.294 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.422 | 169  | 678538   | 48.886 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.792 | 248  | 243434   | 51.852 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.851 | 284  | 257077   | 54.215 | ng    | 95       |
| 69) Atrazine                  | 10.951 | 200  | 173239   | 41.057 | ng    | 98       |
| 70) Pentachlorophenol         | 11.051 | 266  | 260790   | 90.978 | ng    | 99       |
| 71) Phenanthrene              | 11.269 | 178  | 1102270  | 46.989 | ng    | 100      |
| 72) Anthracene                | 11.322 | 178  | 1115448  | 46.298 | ng    | 99       |
| 73) Carbazole                 | 11.480 | 167  | 926338   | 44.887 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.810 | 149  | 1201148  | 48.920 | ng    | 100      |
| 75) Fluoranthene              | 12.451 | 202  | 986240   | 43.012 | ng    | 99       |
| 77) Benzidine                 | 12.610 | 184  | 14588m   | 2.170  | ng    |          |
| 78) Pyrene                    | 12.680 | 202  | 1013402  | 37.605 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.304 | 149  | 376029   | 54.637 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.869 | 228  | 886881   | 46.073 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 46989    | 9.167  | ng    | 97       |
| 83) Chrysene                  | 13.904 | 228  | 921472   | 47.364 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.863 | 149  | 490986   | 56.128 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.474 | 149  | 891622   | 52.316 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.692 | 276  | 773466   | 40.114 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.898 | 252  | 925021m  | 53.370 | ng    |          |
| 89) Benzo(k)fluoranthene      | 14.921 | 252  | 877900   | 47.157 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.245 | 252  | 829952   | 48.592 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.704 | 278  | 638232   | 40.804 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.104 | 276  | 557377   | 34.698 | ng    | 96       |

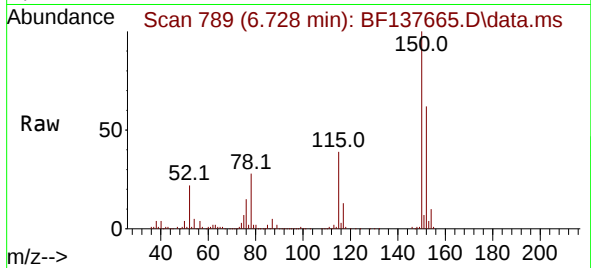
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.728 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
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TRENCH-PITMSD



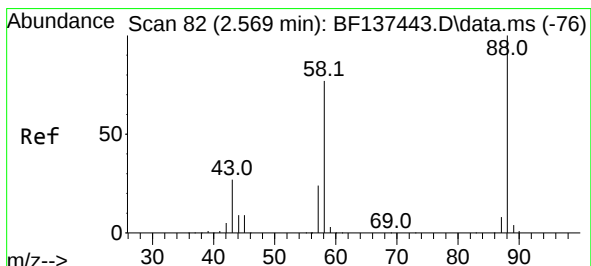
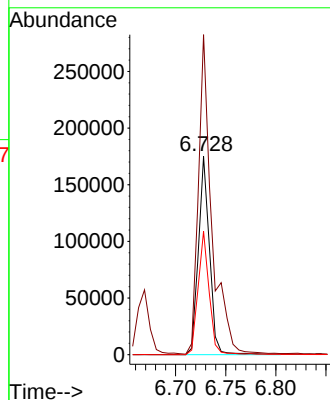
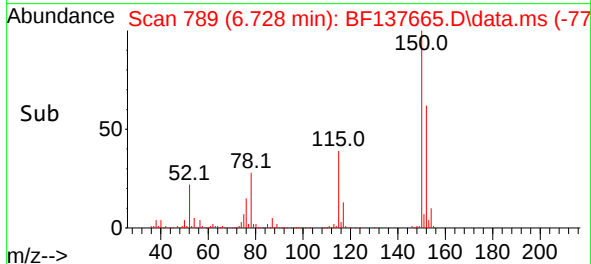
Tgt Ion:152 Resp: 135300  
Ion Ratio Lower Upper  
152 100  
150 161.4 125.8 188.6  
115 62.2 48.8 73.2

Manual Integrations  
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Upadhyay

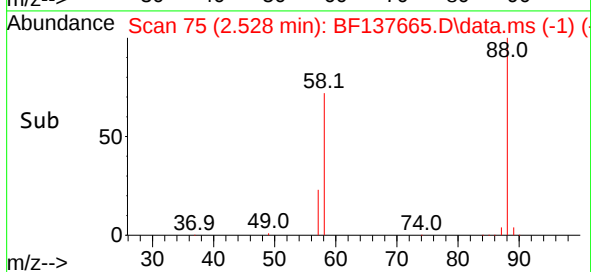
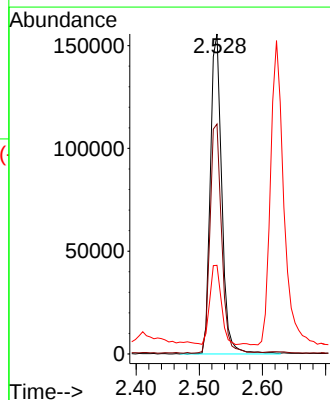
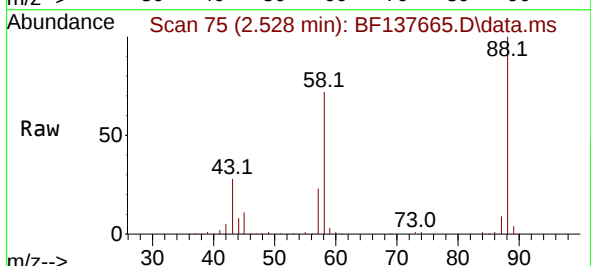
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Supervised By :mohammad  
ahmed

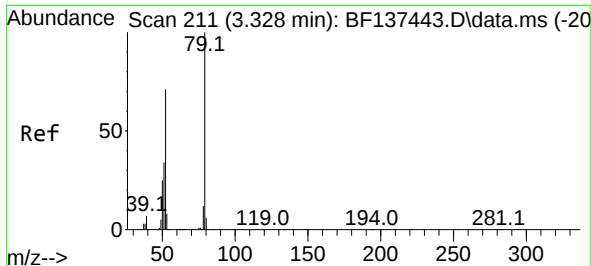
03/26/2024



#2  
1,4-Dioxane  
Concen: 40.125 ng  
RT: 2.528 min Scan# 75  
Delta R.T. 0.159 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

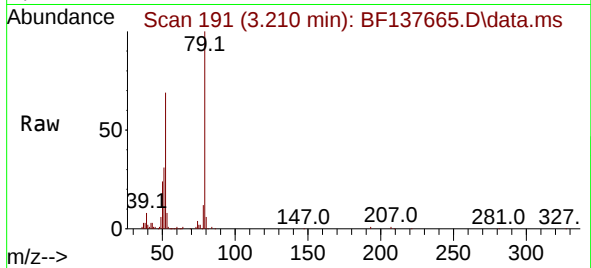
Tgt Ion: 88 Resp: 196005  
Ion Ratio Lower Upper  
88 100  
58 72.7 61.8 92.8  
43 0.0 22.2 33.4





#3  
Pyridine  
Concen: 26.596 ng  
RT: 3.210 min Scan# 191  
Delta R.T. 0.141 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



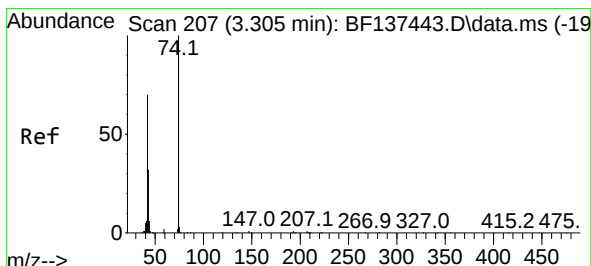
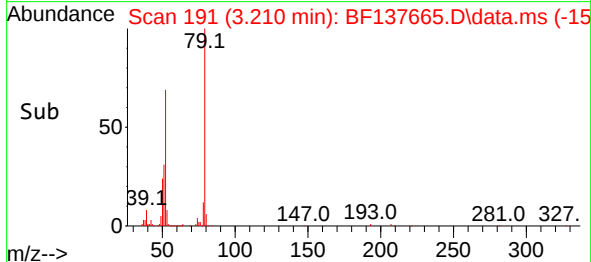
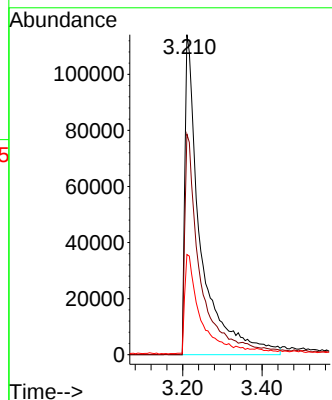
Tgt Ion: 79 Resp: 31334  
Ion Ratio Lower Upper  
79 100  
52 68.9 57.0 85.4  
51 31.3 27.5 41.3

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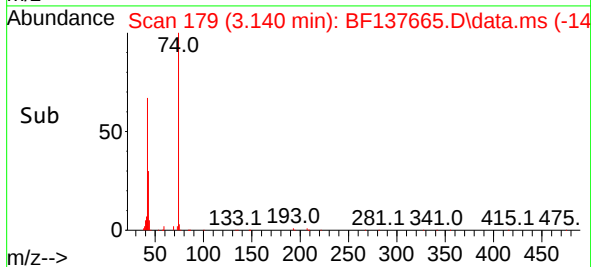
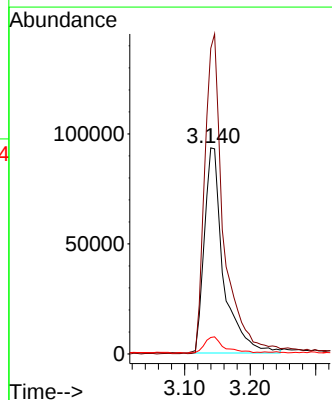
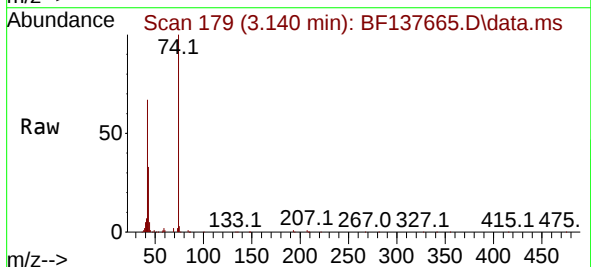
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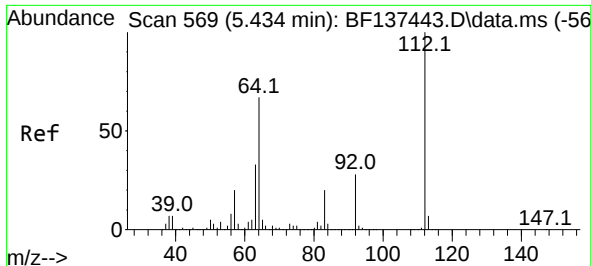
03/26/2024



#4  
n-Nitrosodimethylamine  
Concen: 40.245 ng  
RT: 3.140 min Scan# 179  
Delta R.T. 0.100 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

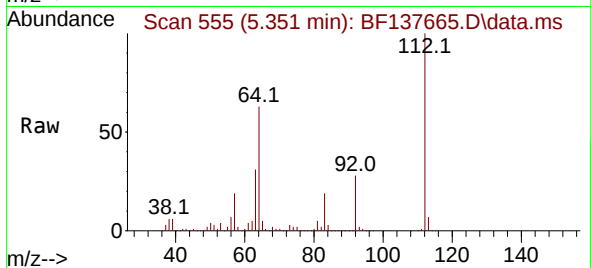
Tgt Ion: 42 Resp: 188876  
Ion Ratio Lower Upper  
42 100  
74 148.3 114.0 171.0  
44 8.0 7.0 10.4





#5  
2-Fluorophenol  
Concen: 128.710 ng  
RT: 5.351 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
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TRENCH-PITMSD



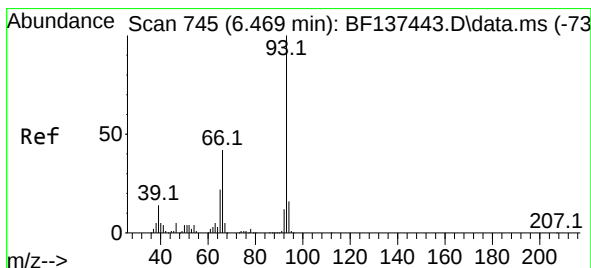
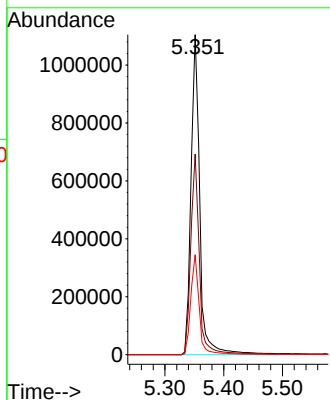
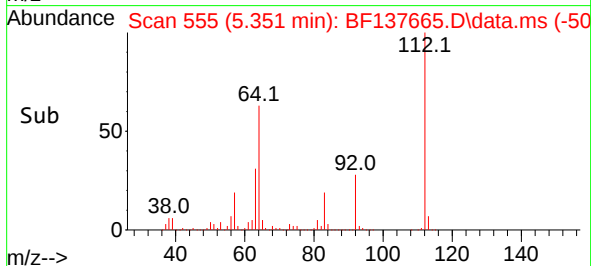
Tgt Ion:112 Resp: 1149874  
Ion Ratio Lower Upper  
112 100  
64 62.7 53.4 80.2  
63 31.2 26.2 39.2

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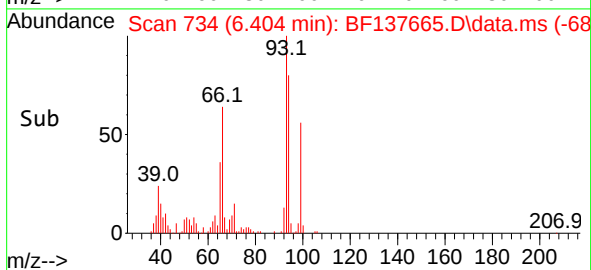
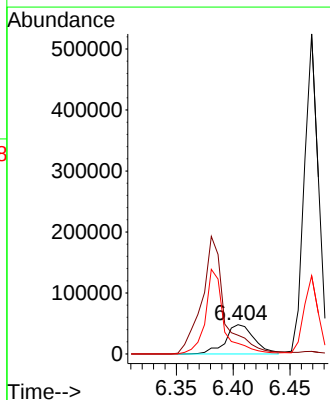
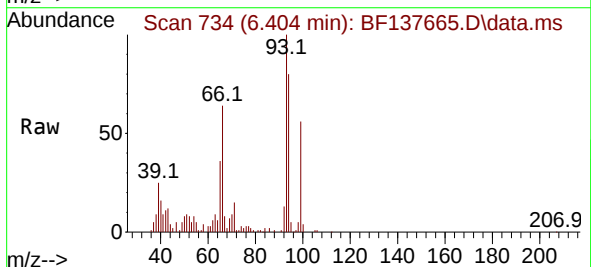
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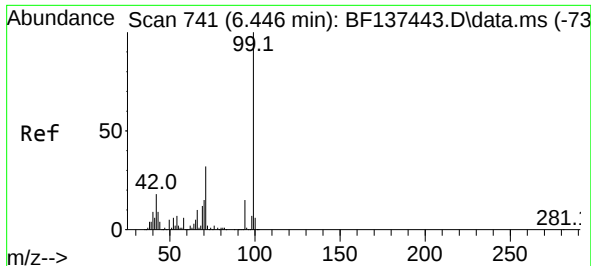
03/26/2024



#6  
Aniline  
Concen: 5.391 ng  
RT: 6.404 min Scan# 734  
Delta R.T. 0.012 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion: 93 Resp: 84948  
Ion Ratio Lower Upper  
93 100  
66 63.8 34.0 51.0#  
65 36.2 17.8 26.8#





#7

Phenol-d6

Concen: 109.630 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF137665.D

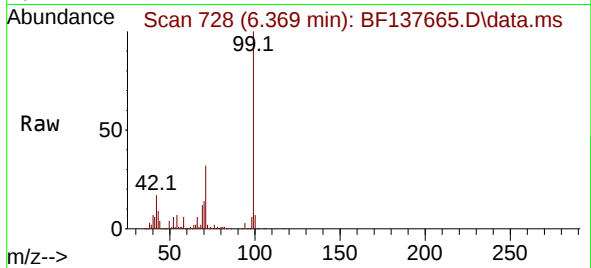
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD



Tgt Ion: 99 Resp: 141375

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.1  | 14.6  | 21.8  |
| 71  | 32.3  | 25.3  | 37.9  |

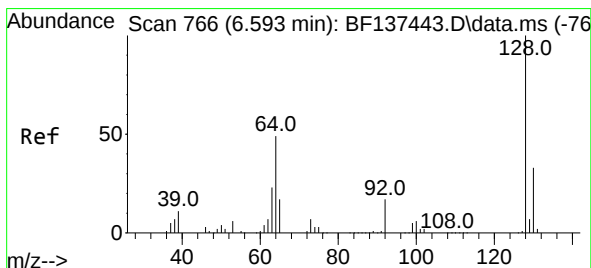
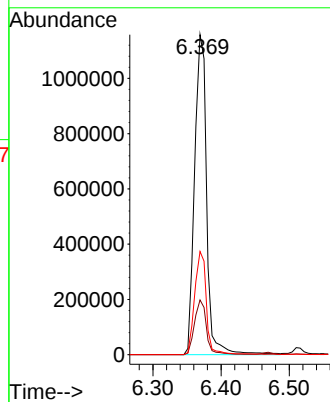
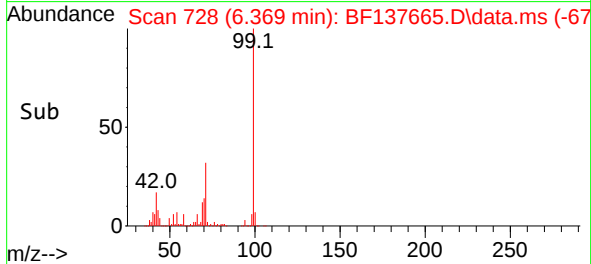
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#8

2-Chlorophenol

Concen: 47.642 ng

RT: 6.516 min Scan# 753

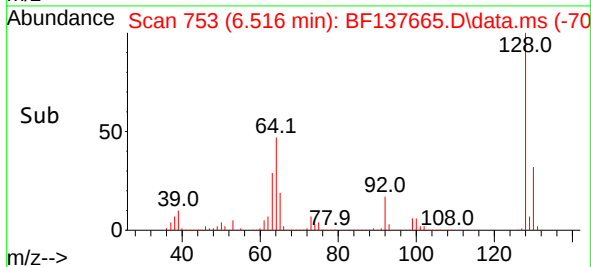
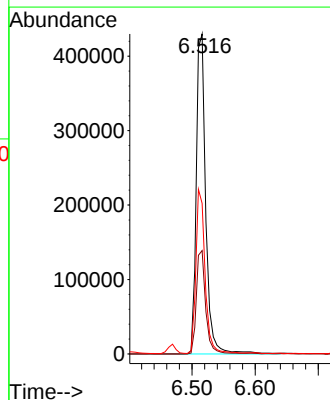
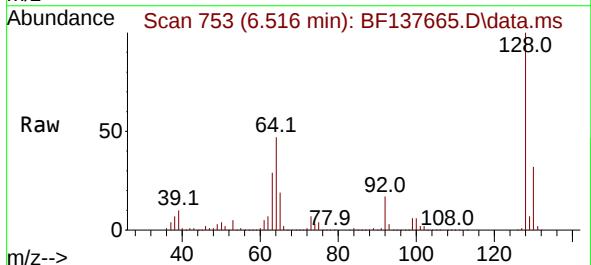
Delta R.T. 0.006 min

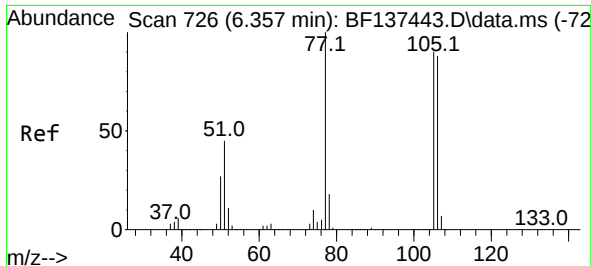
Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Tgt Ion:128 Resp: 448920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.3  | 13.4  | 53.4  |
| 64  | 47.1  | 30.0  | 70.0  |





#9

Benzaldehyde

Concen: 6.144 ng

RT: 6.287 min Scan# 714

Delta R.T. 0.006 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

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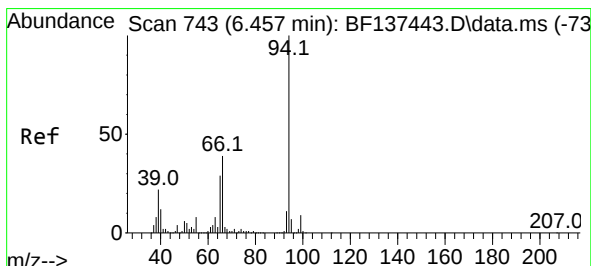
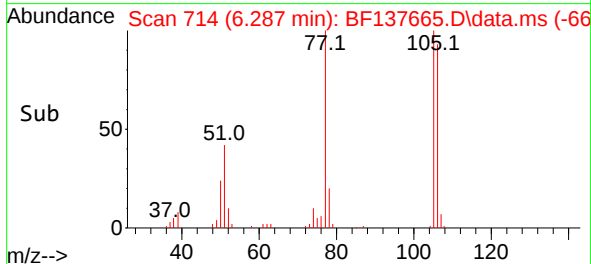
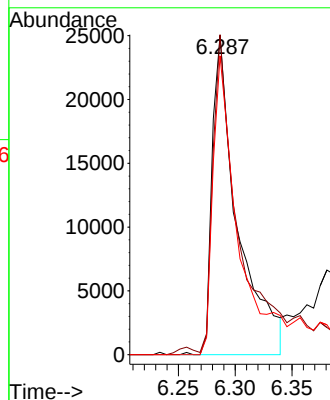
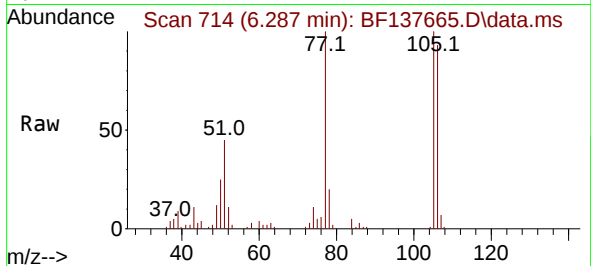
|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 3881  |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 105 100.3   | 69.8 109.8  |
| 106 93.7    | 67.8 107.8  |

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

03/22/2024  
Supervised By :mohammad  
ahmed

03/26/2024



#10

Phenol

Concen: 36.866 ng

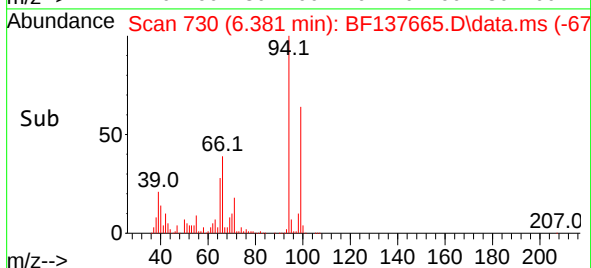
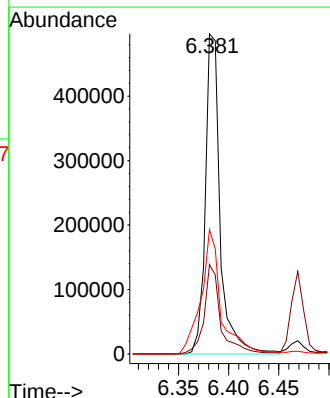
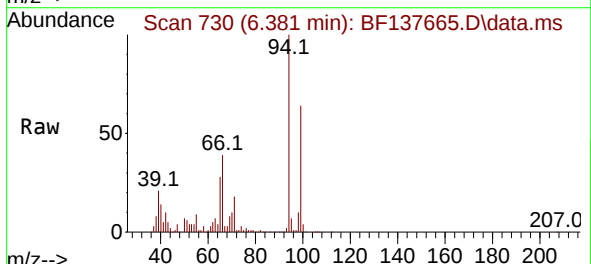
RT: 6.381 min Scan# 730

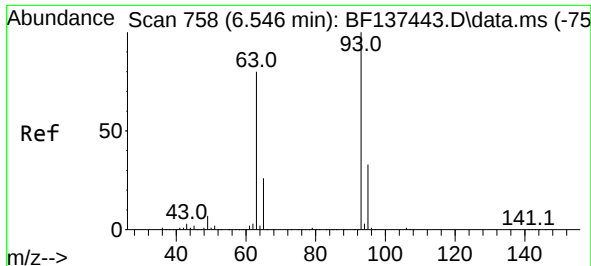
Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

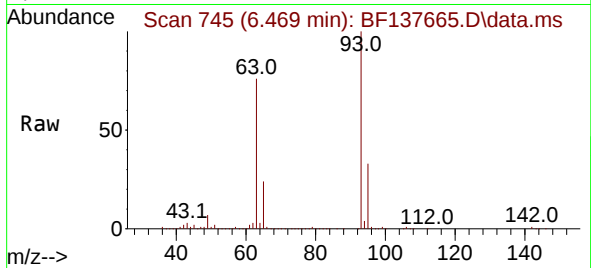
|             |              |
|-------------|--------------|
| Tgt Ion: 94 | Resp: 511703 |
| Ion Ratio   | Lower Upper  |
| 94 100      |              |
| 65 28.0     | 8.7 48.7     |
| 66 38.8     | 18.6 58.6    |





#11  
bis(2-Chloroethyl)ether  
Concen: 45.143 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



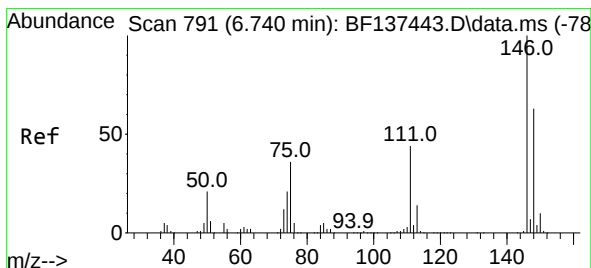
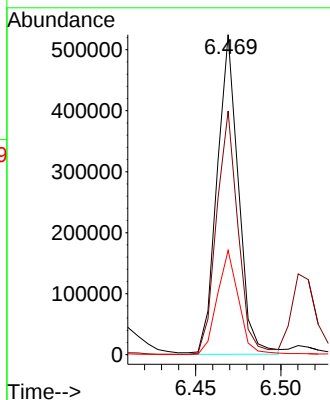
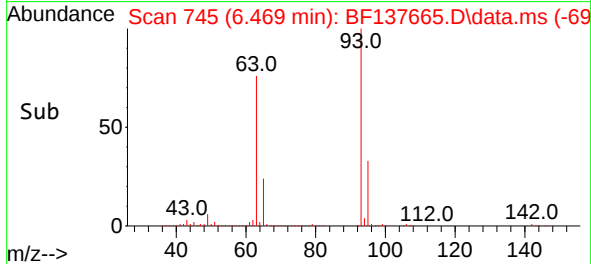
Tgt Ion: 93 Resp: 45915  
Ion Ratio Lower Upper  
93 100  
63 76.1 58.9 98.9  
95 32.6 12.2 52.2

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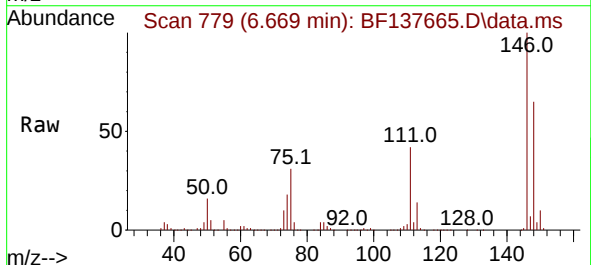
Reviewed By :Jagrut  
Upadhyay

03/22/2024  
Supervised By :mohammad  
ahmed

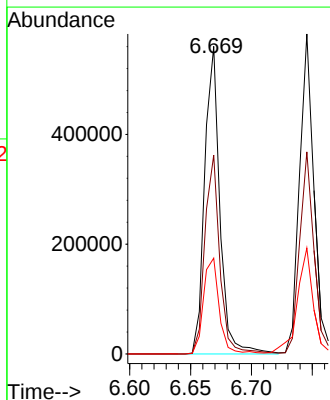
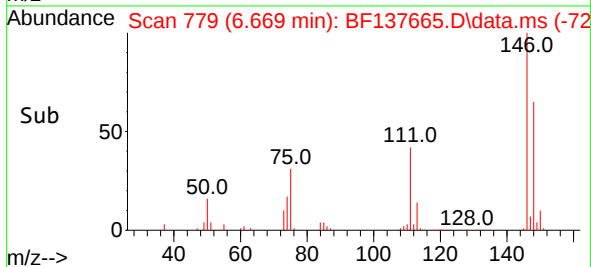
03/26/2024

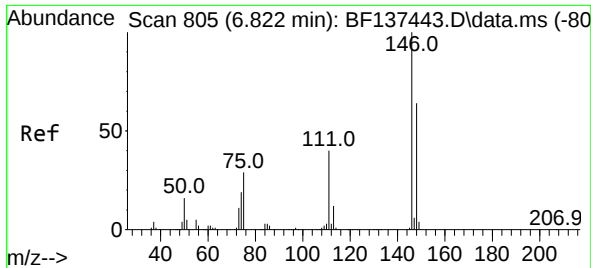


#12  
1,3-Dichlorobenzene  
Concen: 48.203 ng  
RT: 6.669 min Scan# 779  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26



Tgt Ion:146 Resp: 485353  
Ion Ratio Lower Upper  
146 100  
148 64.7 50.3 75.5  
75 31.1 29.0 43.4





#13  
1,4-Dichlorobenzene  
Concen: 47.233 ng  
RT: 6.745 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD

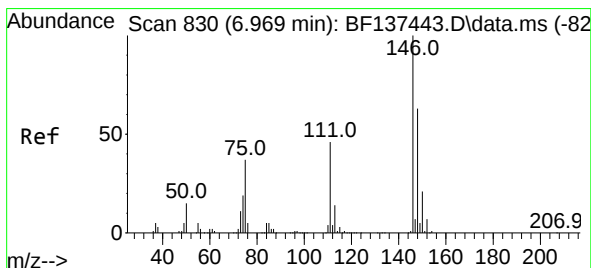
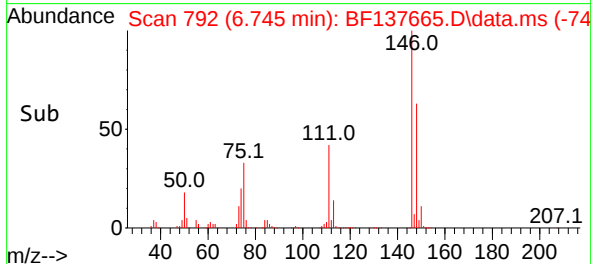
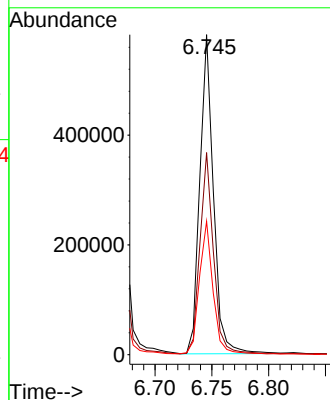
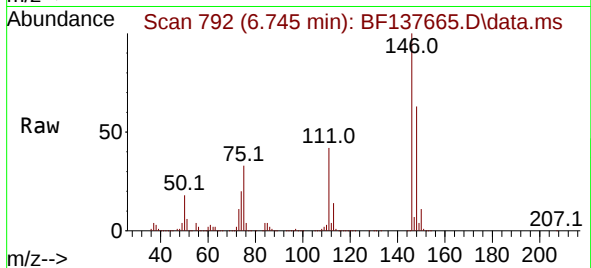
Tgt Ion:146 Resp: 486604  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.2 76.8  
111 41.7 32.4 48.6

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Upadhyay

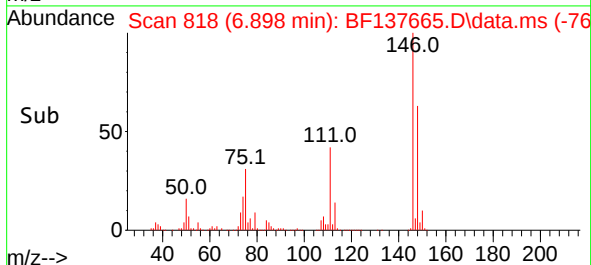
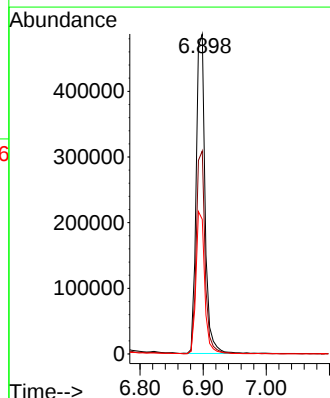
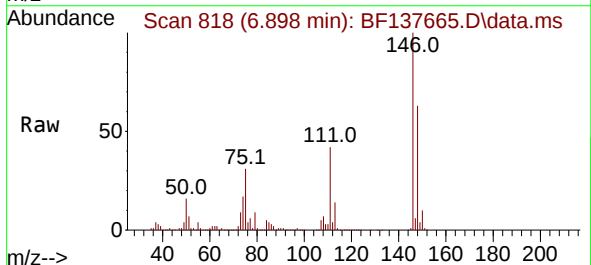
03/22/2024  
Supervised By :mohammad  
ahmed

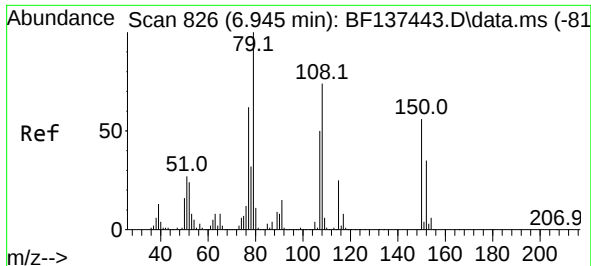
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#14  
1,2-Dichlorobenzene  
Concen: 49.954 ng  
RT: 6.898 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

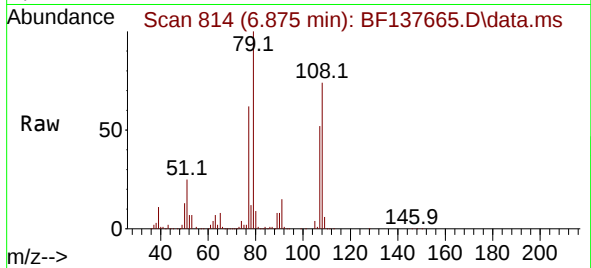
Tgt Ion:146 Resp: 472360  
Ion Ratio Lower Upper  
146 100  
148 63.4 50.0 75.0  
111 42.0 36.8 55.2





#15  
Benzyl Alcohol  
Concen: 45.827 ng  
RT: 6.875 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



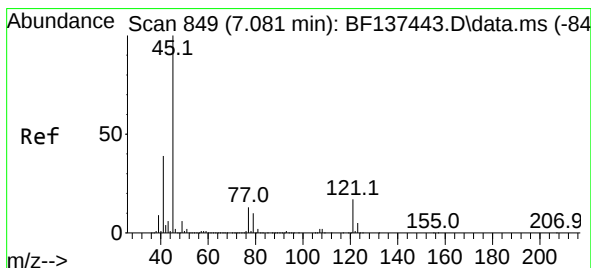
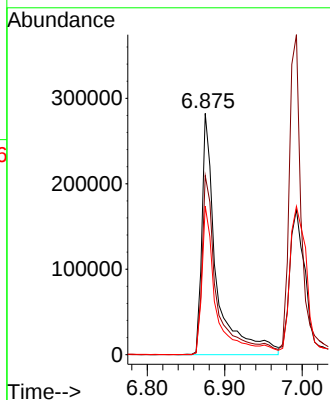
Tgt Ion: 79 Resp: 367909  
Ion Ratio Lower Upper  
79 100  
108 74.2 59.5 89.3  
77 61.6 50.0 75.0

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Upadhyay

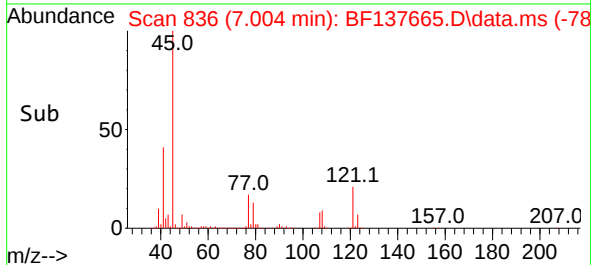
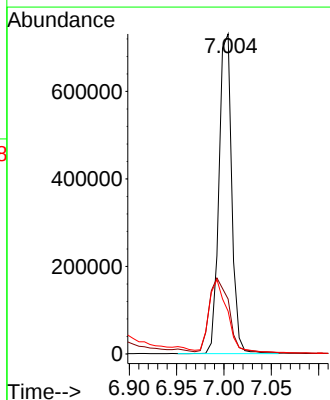
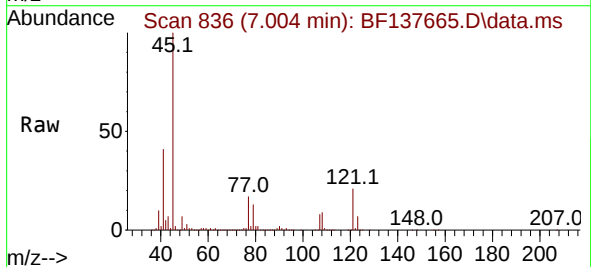
03/22/2024  
Supervised By :mohammad  
ahmed

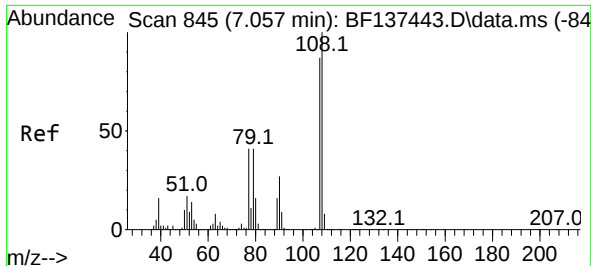
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.360 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

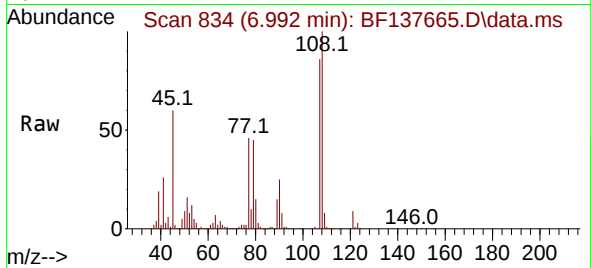
Tgt Ion: 45 Resp: 688146  
Ion Ratio Lower Upper  
45 100  
77 17.1 0.0 33.4  
79 13.4 0.0 30.9





#17  
2-Methylphenol  
Concen: 39.950 ng  
RT: 6.992 min Scan# 845  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



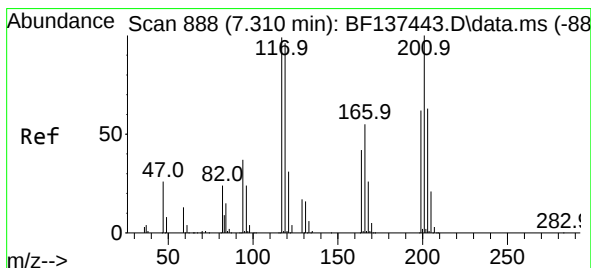
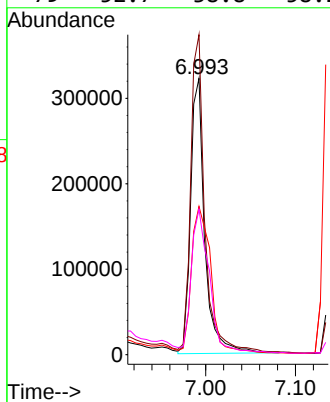
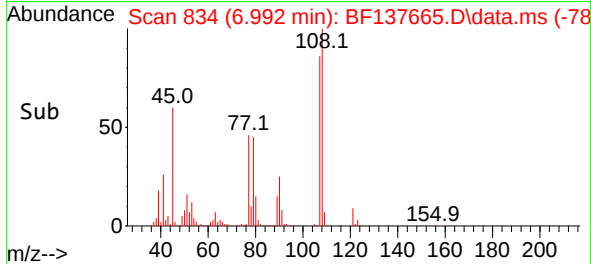
Tgt Ion:107 Resp: 352250  
Ion Ratio Lower Upper  
107 100  
108 115.8 92.2 138.4  
77 53.7 38.6 57.8  
79 52.7 38.8 58.2

Manual Integrations  
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Upadhyay

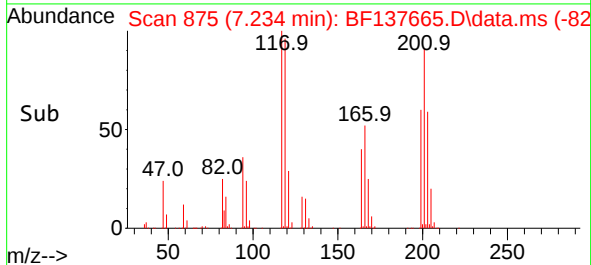
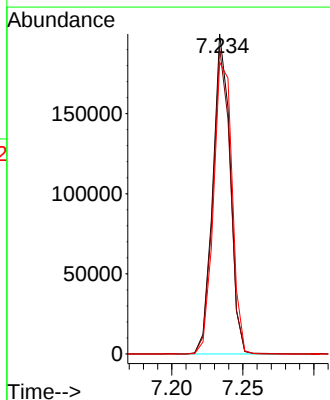
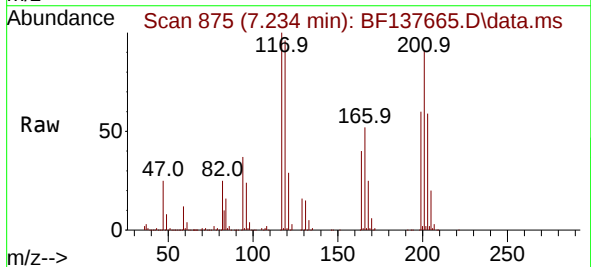
03/22/2024  
Supervised By :mohammad  
ahmed

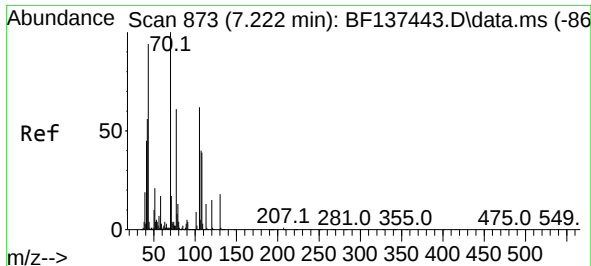
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#18  
Hexachloroethane  
Concen: 49.854 ng  
RT: 7.234 min Scan# 875  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:117 Resp: 169115  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.5 116.3  
201 91.1 80.6 121.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 42.383 ng  
RT: 7.145 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD

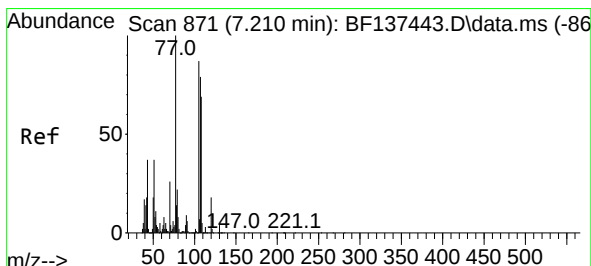
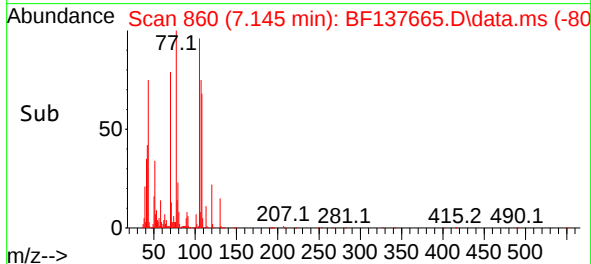
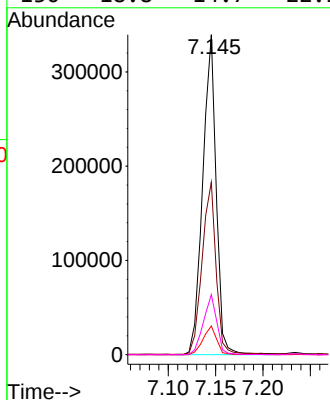
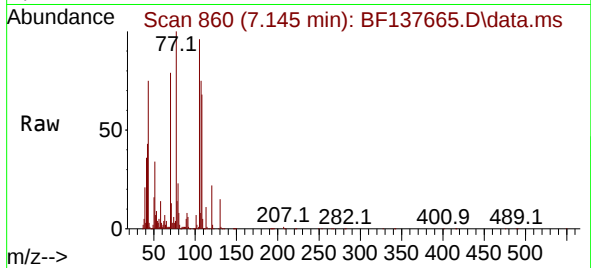
Tgt Ion: 70 Resp: 337500  
Ion Ratio Lower Upper  
70 100  
42 53.9 45.2 67.8  
101 8.9 7.3 10.9  
130 18.8 14.7 22.1

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

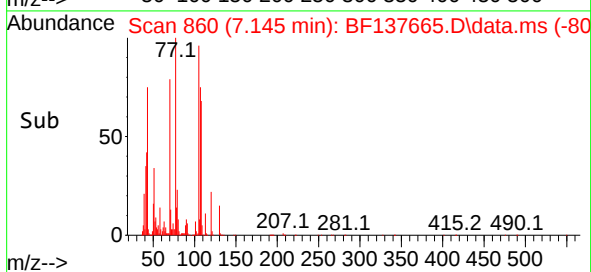
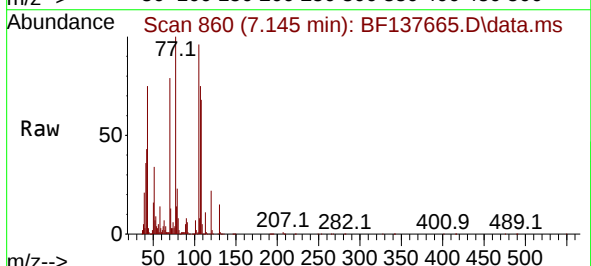
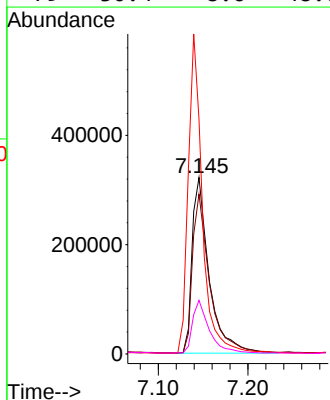
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Supervised By :mohammad  
ahmed

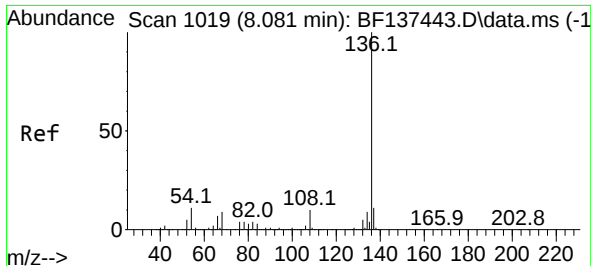
03/26/2024



#20  
3+4-Methylphenols  
Concen: 42.210 ng  
RT: 7.145 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

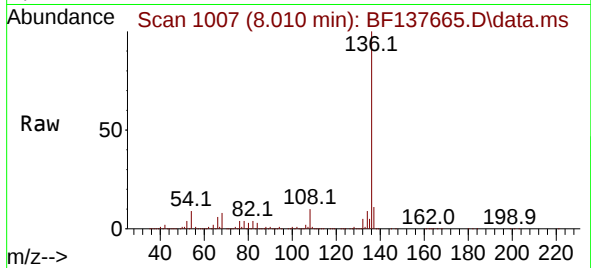
Tgt Ion:107 Resp: 426248  
Ion Ratio Lower Upper  
107 100  
108 90.5 67.6 107.6  
77 133.0 107.1 147.1  
79 30.4 8.6 48.6





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.010 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



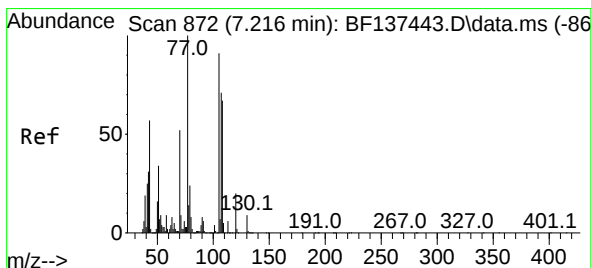
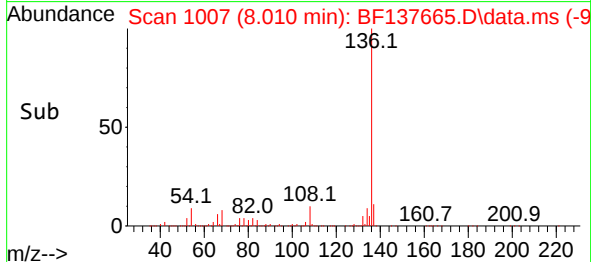
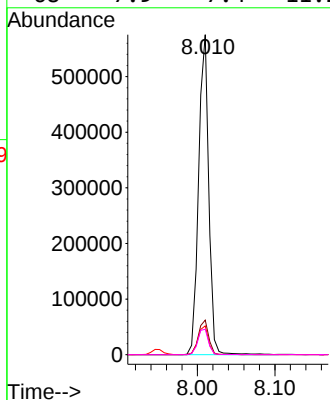
Tgt Ion:136 Resp: 522520  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.1 13.7  
54 9.0 8.5 12.7  
68 7.9 7.4 11.2

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Upadhyay

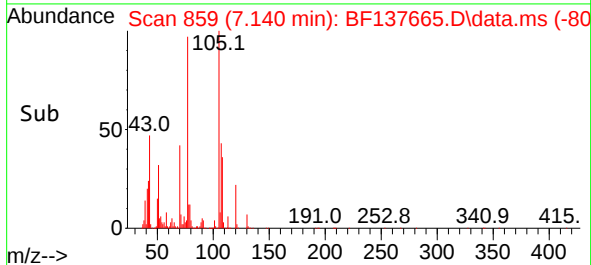
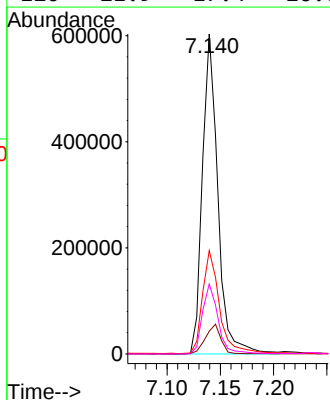
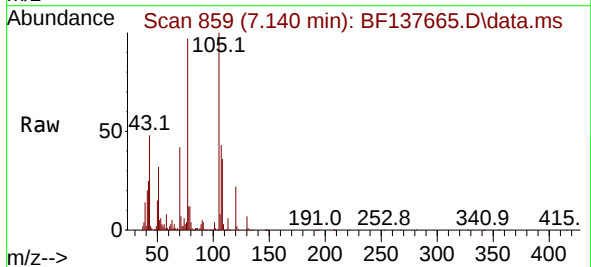
03/22/2024  
Supervised By :mohammad  
ahmed

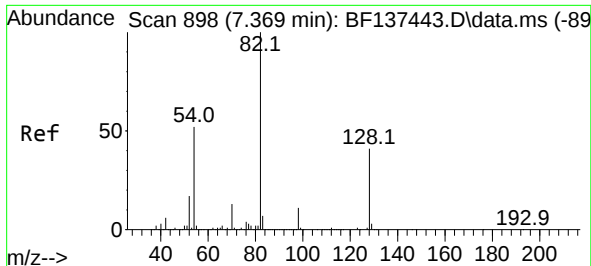
03/26/2024



#22  
Acetophenone  
Concen: 48.355 ng  
RT: 7.140 min Scan# 859  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

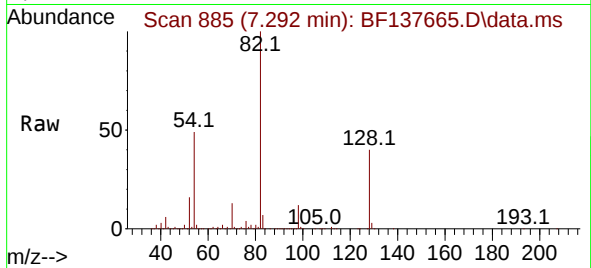
Tgt Ion:105 Resp: 611335  
Ion Ratio Lower Upper  
105 100  
71 7.1 7.7 11.5#  
51 32.3 30.4 45.6  
120 21.9 17.4 26.0





#23  
Nitrobenzene-d5  
Concen: 90.778 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



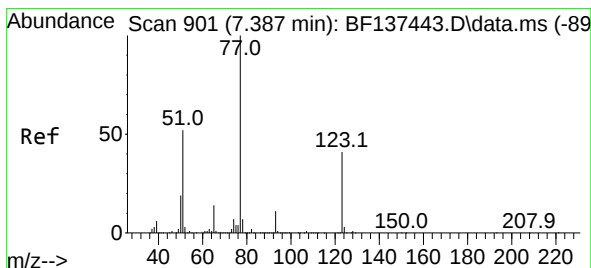
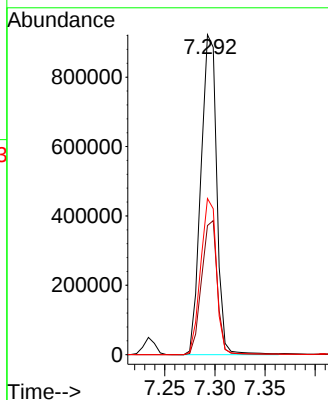
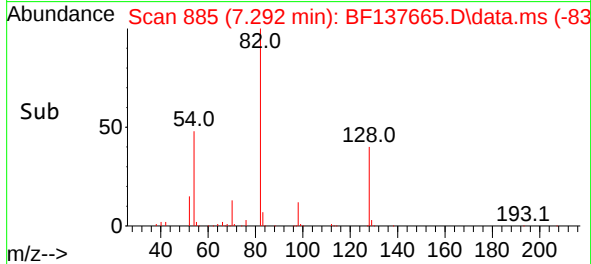
Tgt Ion: 82 Resp: 1020864  
Ion Ratio Lower Upper  
82 100  
128 40.4 32.5 48.7  
54 48.8 41.5 62.3

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

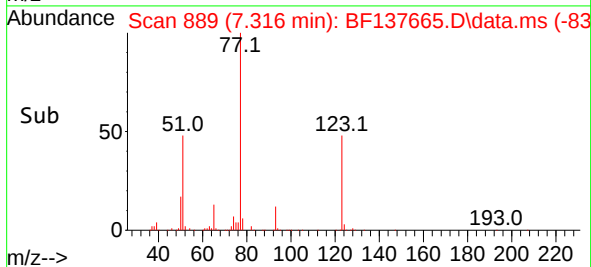
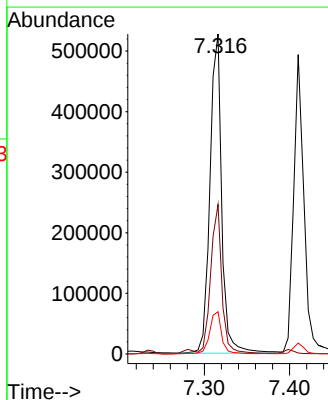
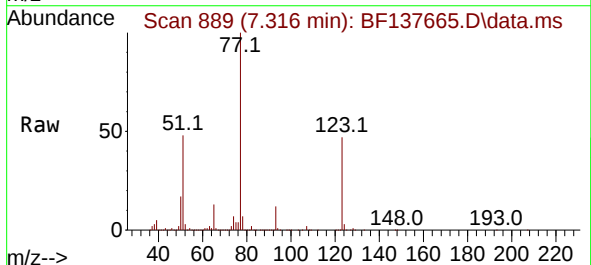
03/22/2024  
Supervised By :mohammad  
ahmed

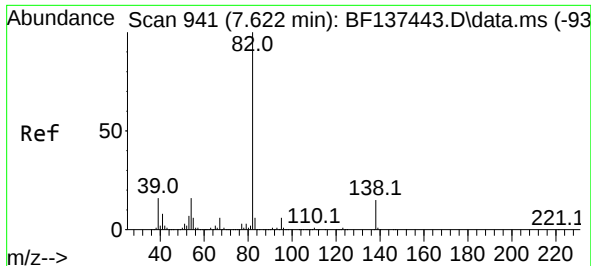
03/26/2024



#24  
Nitrobenzene  
Concen: 44.804 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

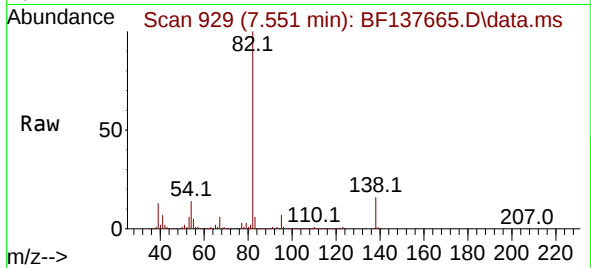
Tgt Ion: 77 Resp: 506142  
Ion Ratio Lower Upper  
77 100  
123 46.7 33.0 49.6  
65 13.2 10.9 16.3





#25  
Isophorone  
Concen: 44.281 ng  
RT: 7.551 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



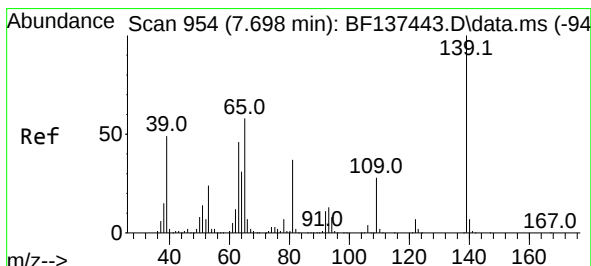
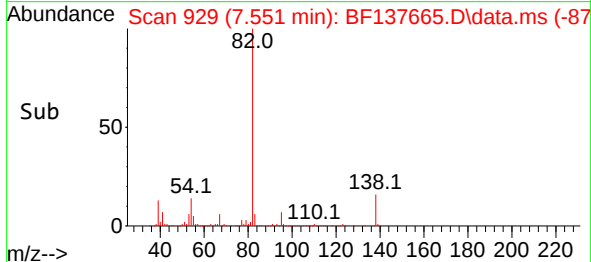
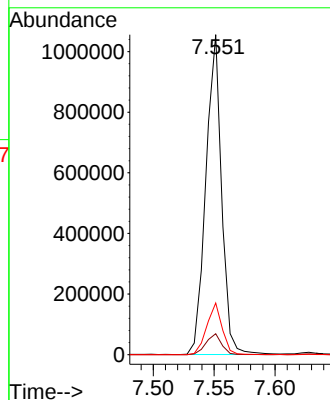
Tgt Ion: 82 Resp: 946059  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.1 7.7  
138 16.1 11.8 17.8

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

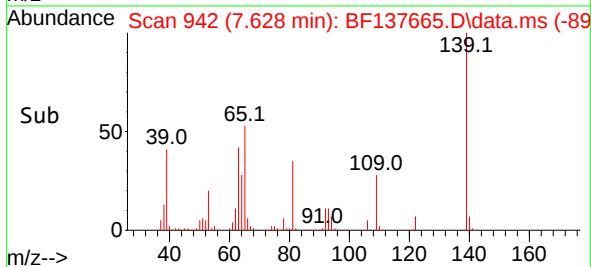
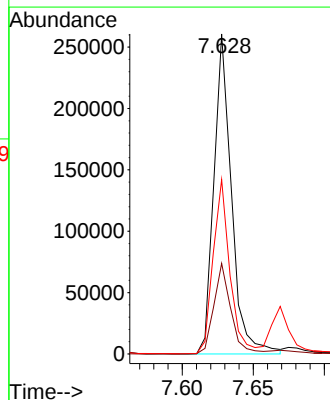
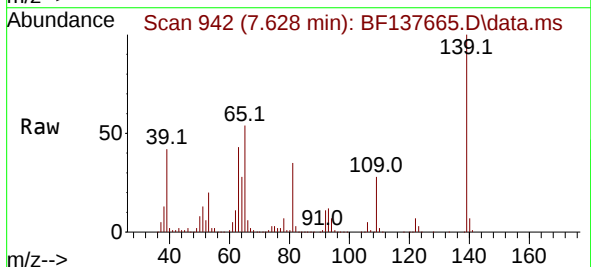
03/22/2024  
Supervised By :mohammad  
ahmed

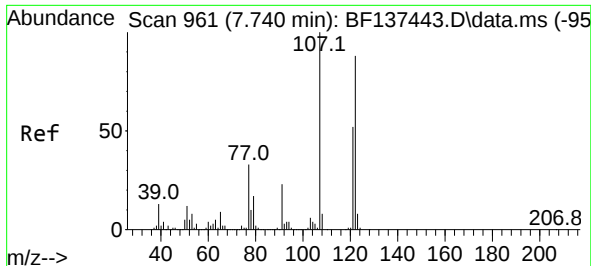
03/26/2024



#26  
2-Nitrophenol  
Concen: 50.085 ng  
RT: 7.628 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

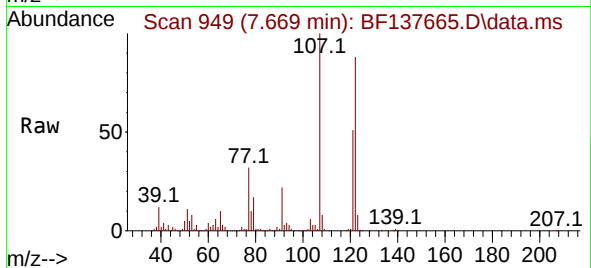
Tgt Ion:139 Resp: 224631  
Ion Ratio Lower Upper  
139 100  
109 28.3 22.2 33.4  
65 54.5 46.2 69.2





#27  
2,4-Dimethylphenol  
Concen: 37.478 ng  
RT: 7.669 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



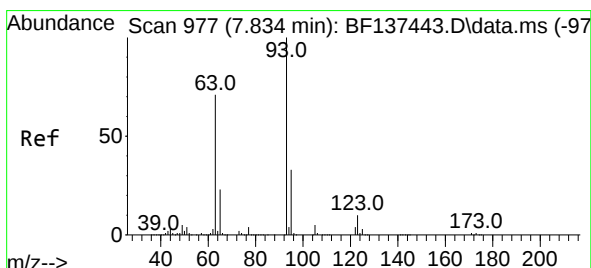
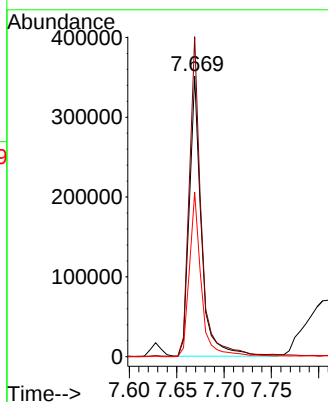
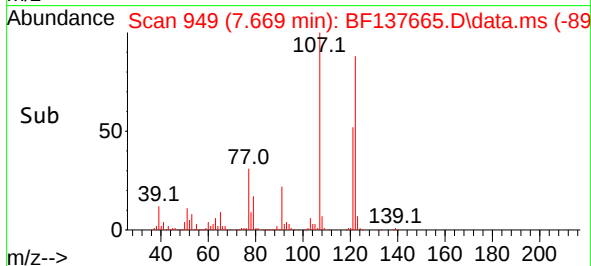
Tgt Ion:122 Resp: 31408  
Ion Ratio Lower Upper  
122 100  
107 114.1 90.9 136.3  
121 58.7 47.0 70.6

Manual Integrations  
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Upadhyay

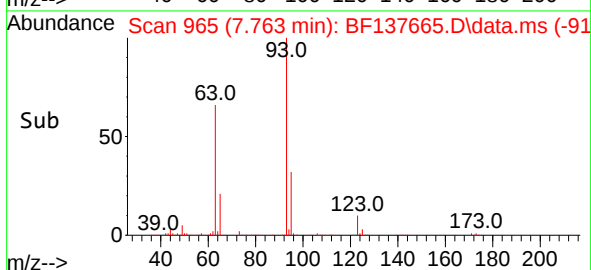
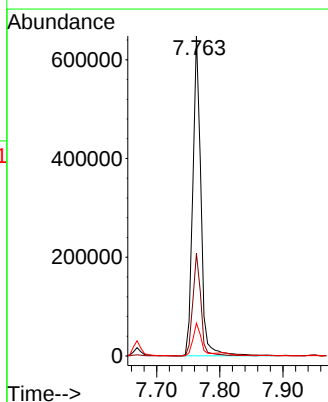
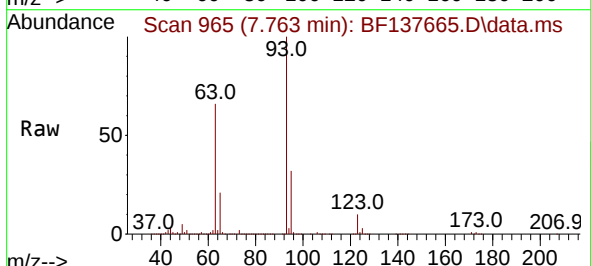
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Supervised By :mohammad  
ahmed

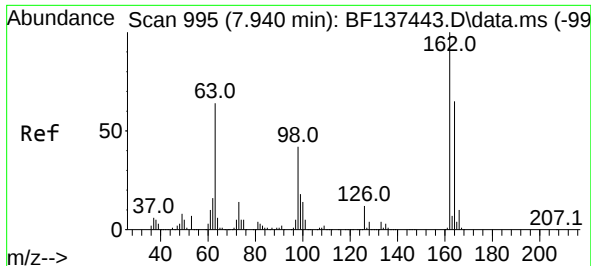
03/26/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.972 ng  
RT: 7.763 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion: 93 Resp: 576276  
Ion Ratio Lower Upper  
93 100  
95 32.0 26.5 39.7  
123 10.2 8.0 12.0





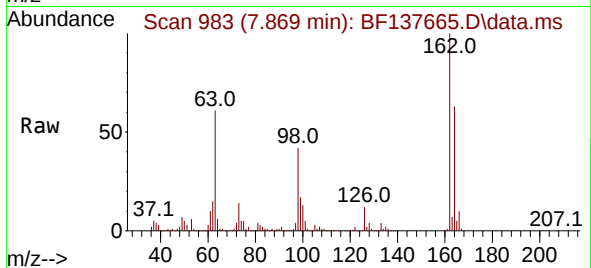
#29  
2,4-Dichlorophenol  
Concen: 48.335 ng  
RT: 7.869 min Scan# 995  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

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Tgt Ion:162 Resp: 37176  
Ion Ratio Lower Upper  
162 100  
164 62.9 44.7 84.7  
98 41.8 22.0 62.0

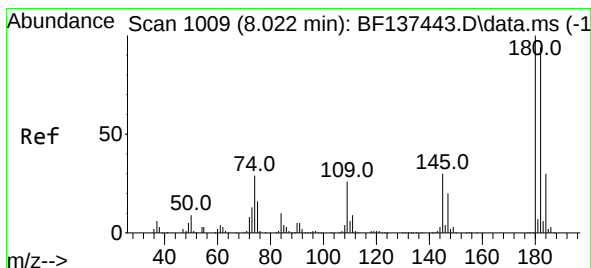
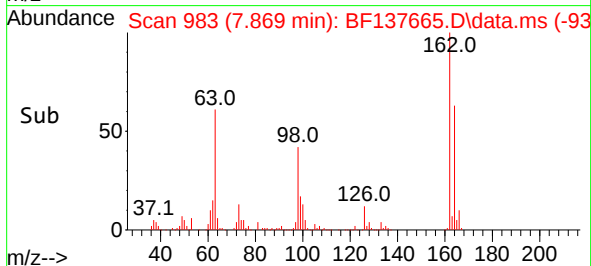
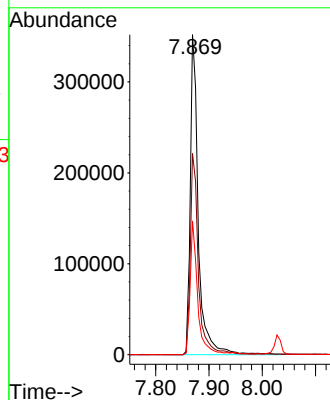
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Upadhyay

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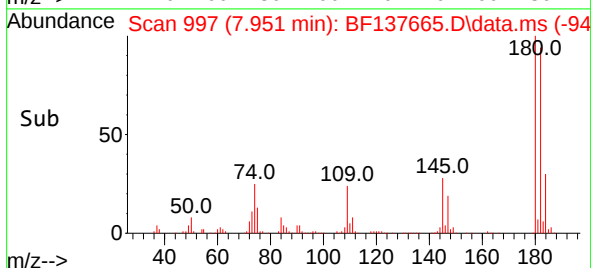
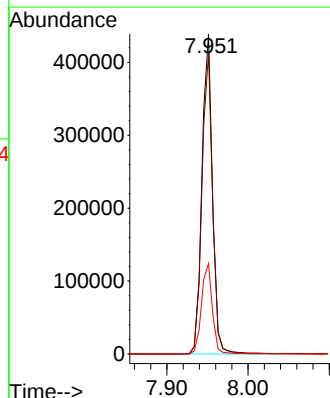
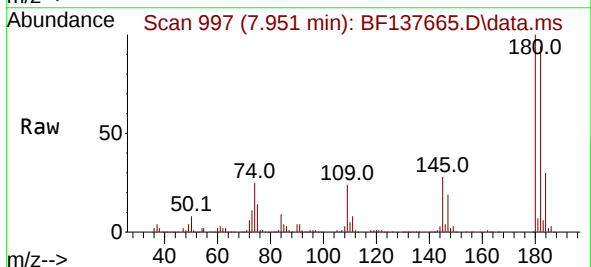
Supervised By :mohammad  
ahmed

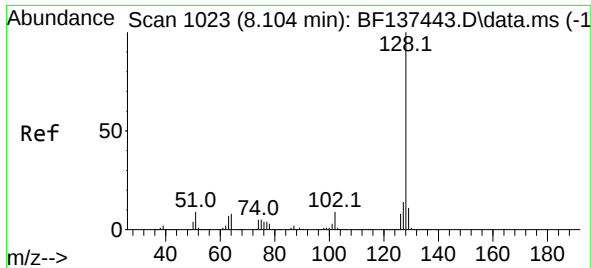
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#30  
1,2,4-Trichlorobenzene  
Concen: 48.934 ng  
RT: 7.951 min Scan# 997  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

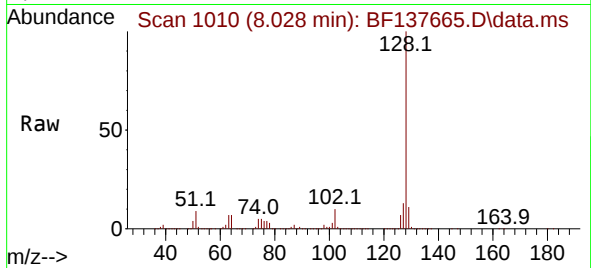
Tgt Ion:180 Resp: 396070  
Ion Ratio Lower Upper  
180 100  
182 93.9 75.0 112.6  
145 28.2 23.7 35.5





#31  
Naphthalene  
Concen: 46.410 ng  
RT: 8.028 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



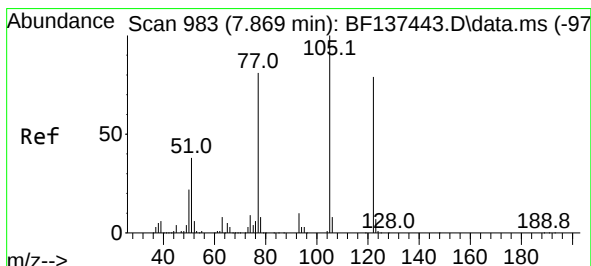
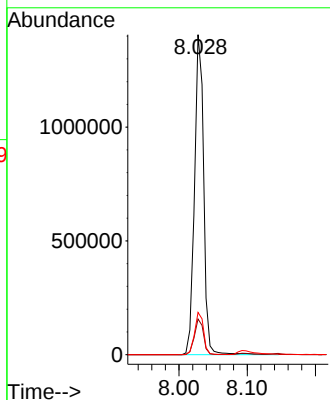
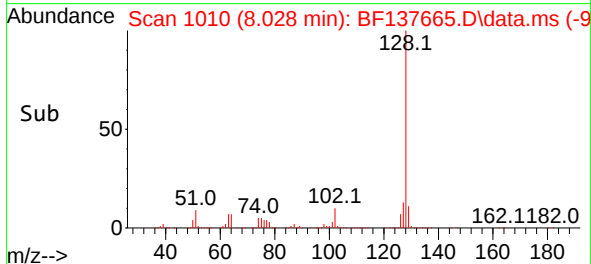
Tgt Ion:128 Resp: 1301100  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.2 13.8  
127 13.2 10.8 16.2

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Upadhyay

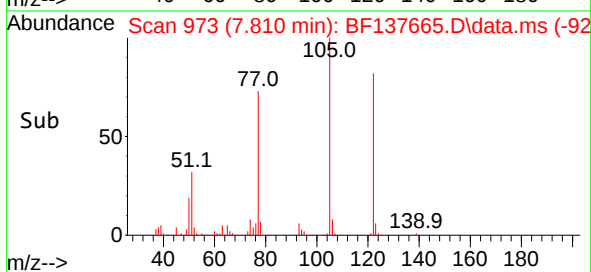
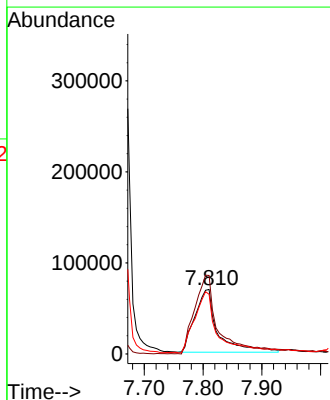
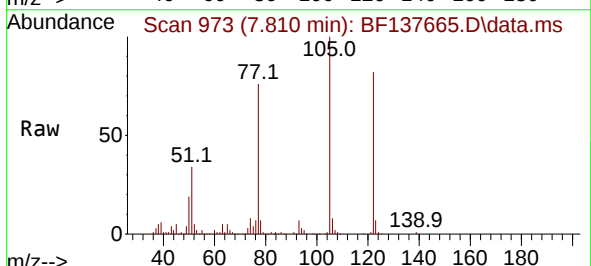
03/22/2024  
Supervised By :mohammad  
ahmed

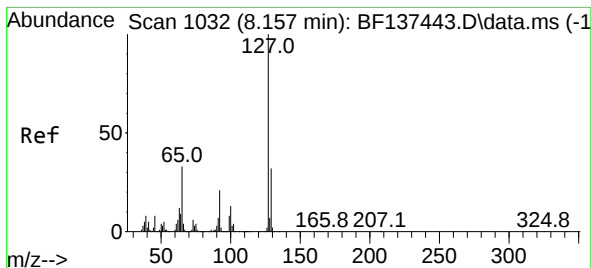
03/26/2024



#32  
Benzoic acid  
Concen: 40.009 ng  
RT: 7.810 min Scan# 973  
Delta R.T. 0.012 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:122 Resp: 187265  
Ion Ratio Lower Upper  
122 100  
105 122.0 102.4 142.4  
77 92.8 81.1 121.1





#33

4-Chloroaniline

Concen: 3.039 ng

RT: 8.092 min Scan# 10

Delta R.T. 0.006 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:127 Resp: 3341

Ion Ratio Lower Upper

127 100

129 34.5 26.0 39.0

65 35.8 26.8 40.2

92 19.6 17.0 25.6

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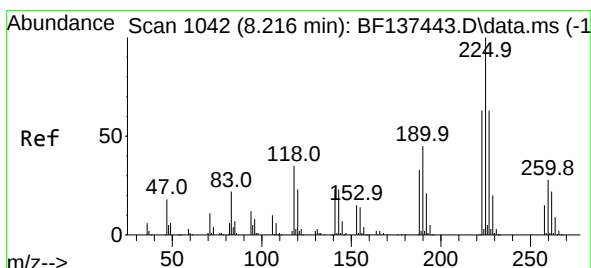
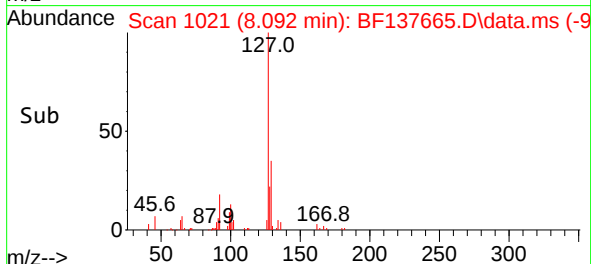
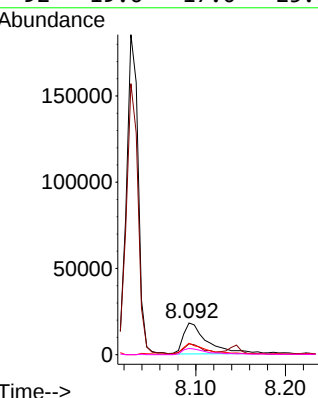
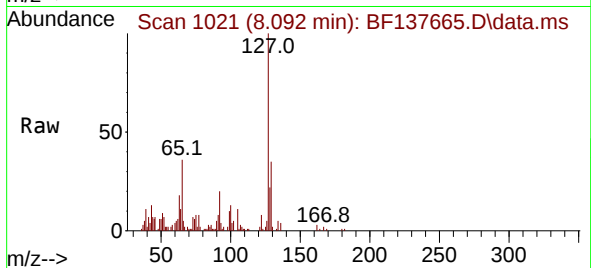
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Reviewed By :Jagrut  
Upadhyay

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ahmed

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#34

Hexachlorobutadiene

Concen: 48.342 ng

RT: 8.145 min Scan# 1030

Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

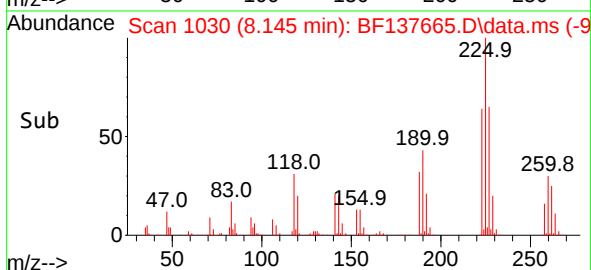
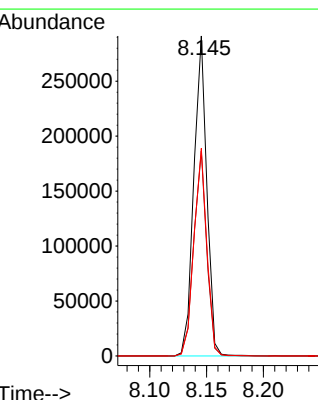
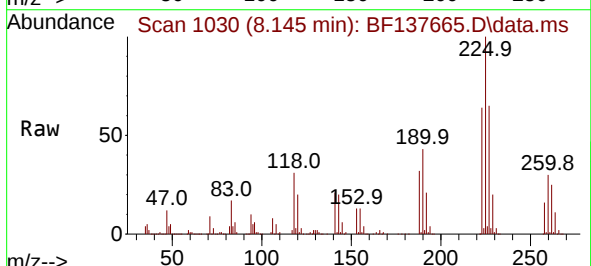
Tgt Ion:225 Resp: 231000

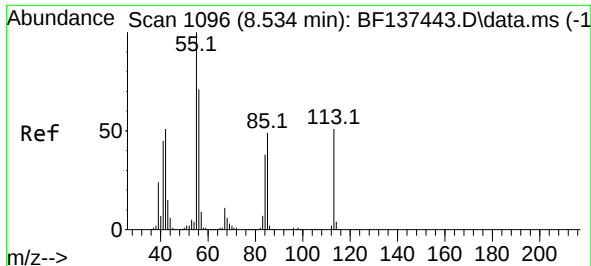
Ion Ratio Lower Upper

225 100

223 64.1 50.7 76.1

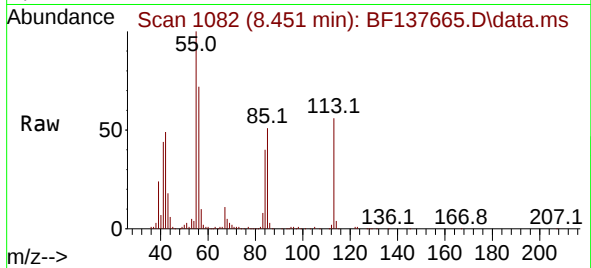
227 64.9 50.6 75.8





#35  
 Caprolactam  
 Concen: 38.718 ng m  
 RT: 8.451 min Scan# 1103  
 Delta R.T. -0.006 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-PITMSD



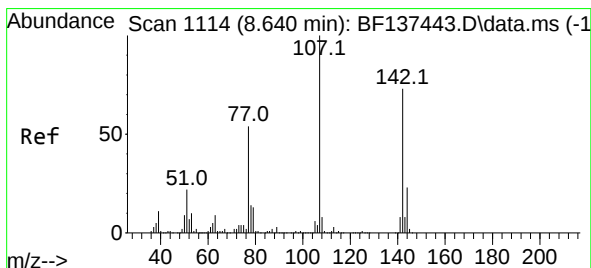
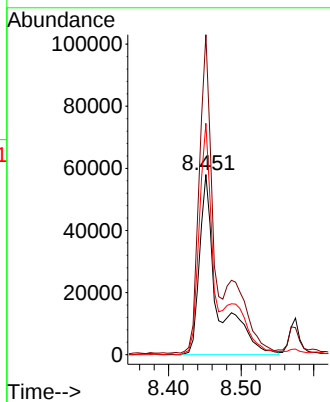
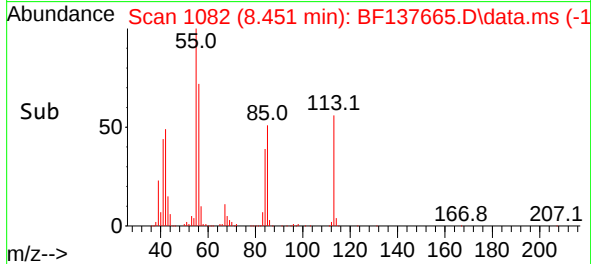
Tgt Ion:113 Resp: 10097  
 Ion Ratio Lower Upper  
 113 100  
 55 177.6 176.7 216.7  
 56 128.4 120.6 160.6

Manual Integrations  
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 Upadhyay

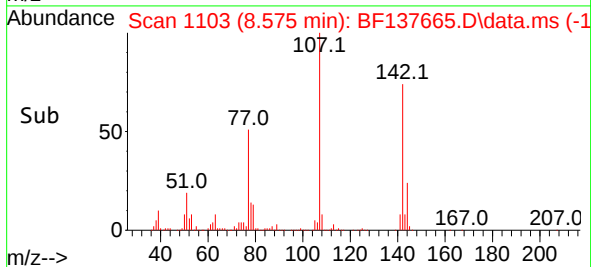
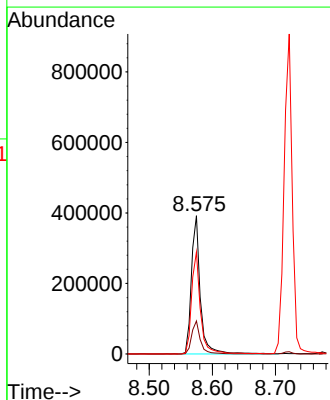
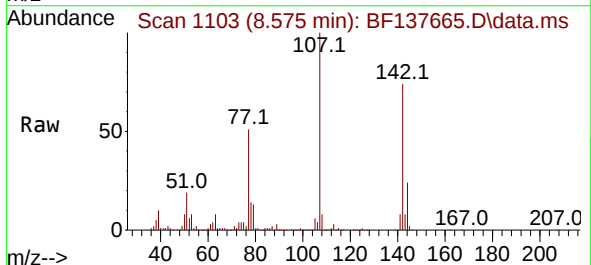
03/22/2024  
 Supervised By :mohammad  
 ahmed

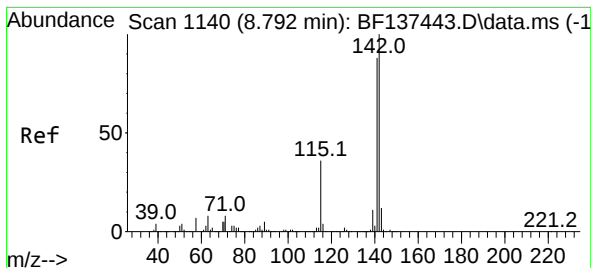
03/26/2024



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.939 ng  
 RT: 8.575 min Scan# 1103  
 Delta R.T. 0.006 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

Tgt Ion:107 Resp: 386354  
 Ion Ratio Lower Upper  
 107 100  
 144 23.9 18.7 28.1  
 142 73.7 58.2 87.2





#37  
2-Methylnaphthalene  
Concen: 45.326 ng  
RT: 8.722 min Scan# 1140  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:142 Resp: 810072  
Ion Ratio Lower Upper  
142 100  
141 88.2 70.4 105.6

Manual Integrations

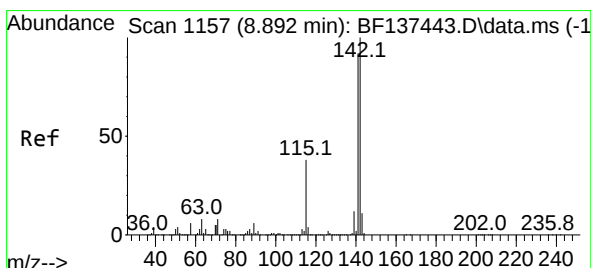
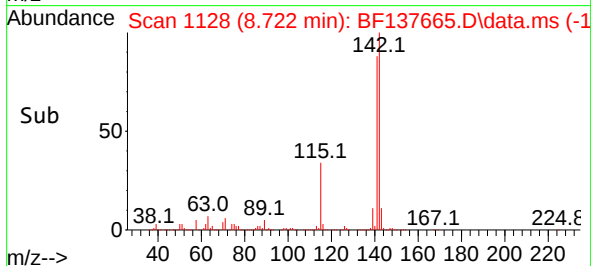
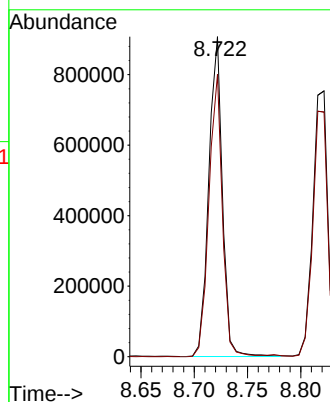
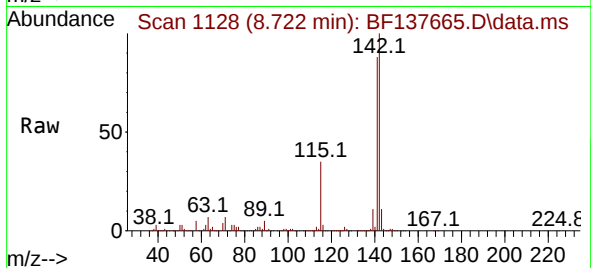
APPROVED

Reviewed By :Jagrut  
Upadhyay

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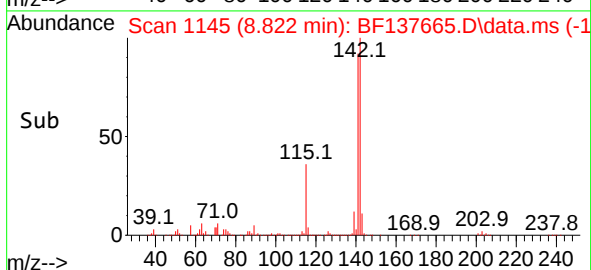
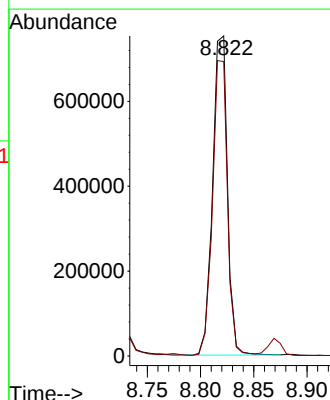
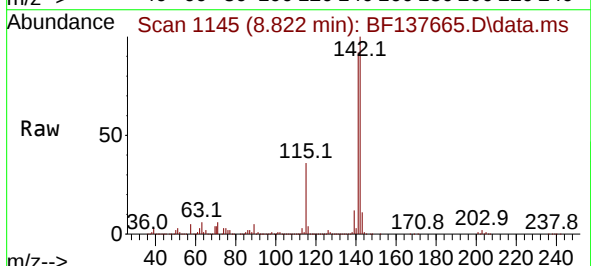
Supervised By :mohammad  
ahmed

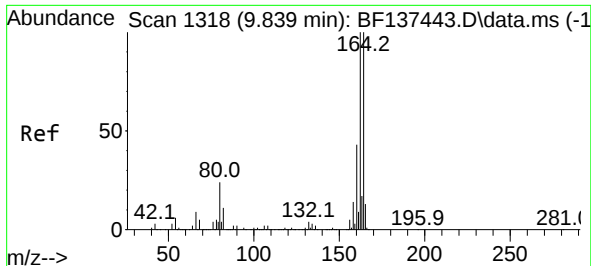
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#38  
1-Methylnaphthalene  
Concen: 43.568 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

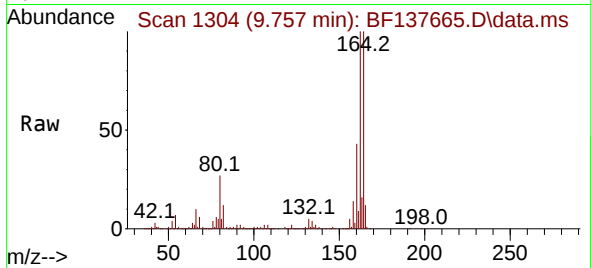
Tgt Ion:142 Resp: 733280  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.4 110.2





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.757 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



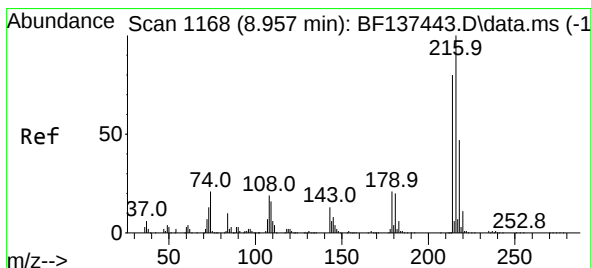
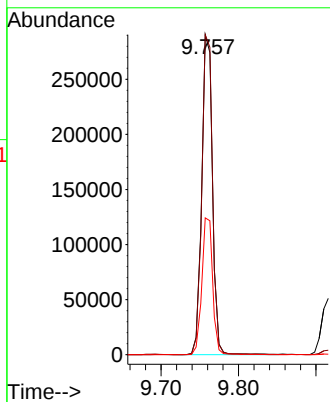
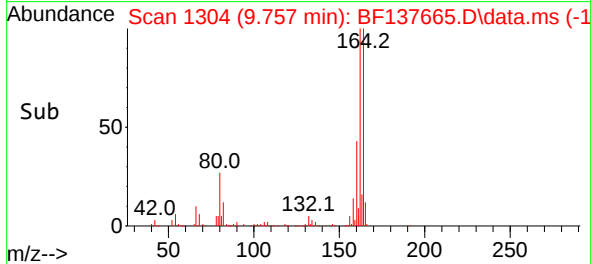
Tgt Ion:164 Resp: 278590  
Ion Ratio Lower Upper  
164 100  
162 100.0 79.8 119.8  
160 42.7 34.4 51.6

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

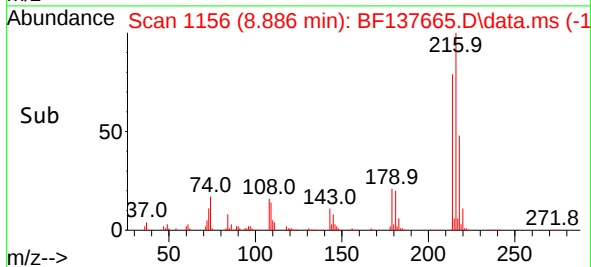
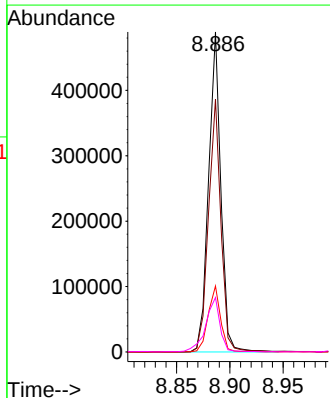
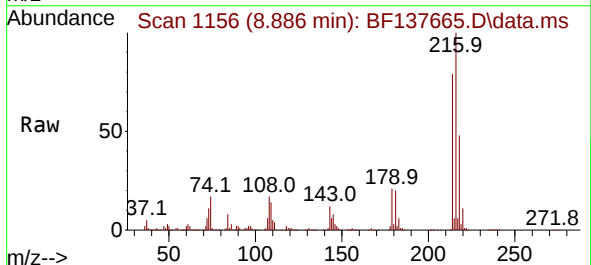
03/22/2024  
Supervised By :mohammad  
ahmed

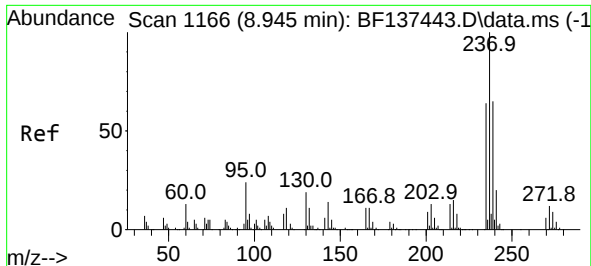
03/26/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 50.607 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

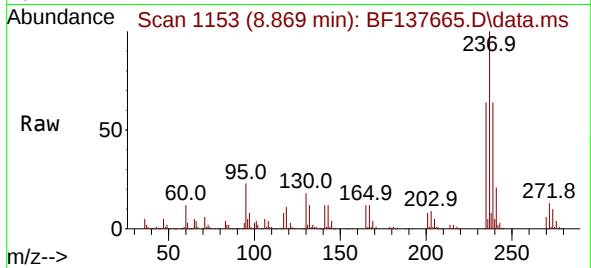
Tgt Ion:216 Resp: 393600  
Ion Ratio Lower Upper  
216 100  
214 80.2 63.5 95.3  
179 21.0 16.6 25.0  
108 19.9 15.5 23.3





#41  
Hexachlorocyclopentadiene  
Concen: 92.470 ng  
RT: 8.869 min Scan# 1166  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



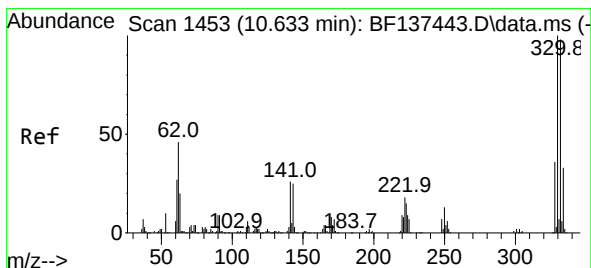
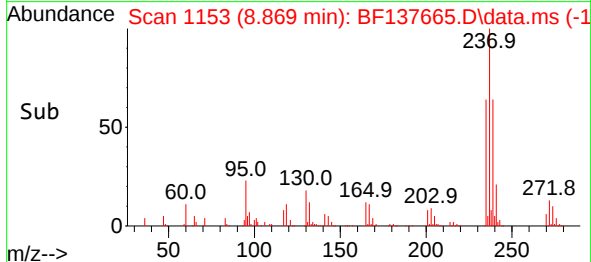
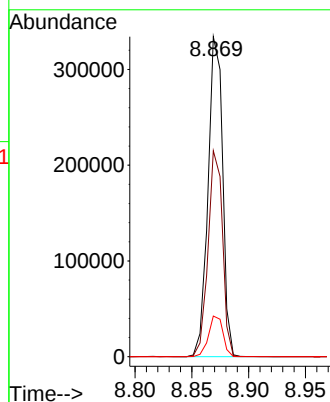
Tgt Ion:237 Resp: 29804  
Ion Ratio Lower Upper  
237 100  
235 64.3 43.6 83.6  
272 12.7 0.0 31.9

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

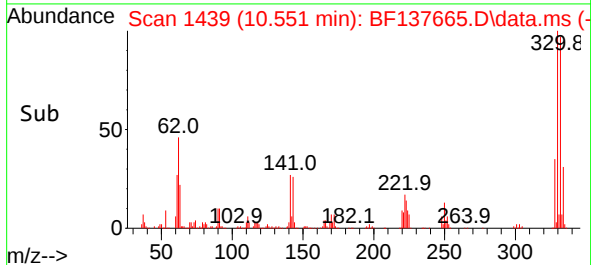
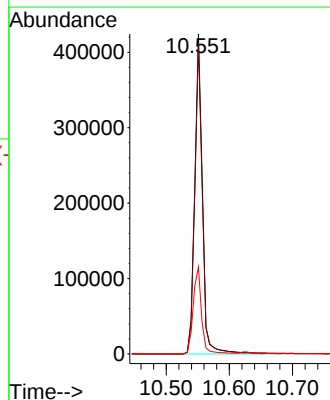
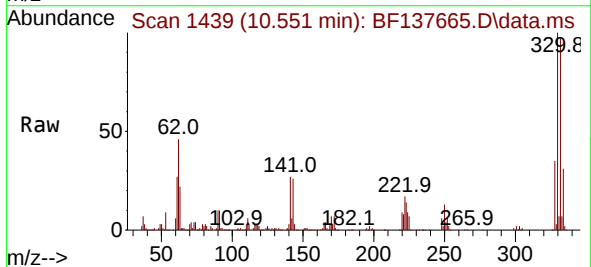
03/22/2024  
Supervised By :mohammad  
ahmed

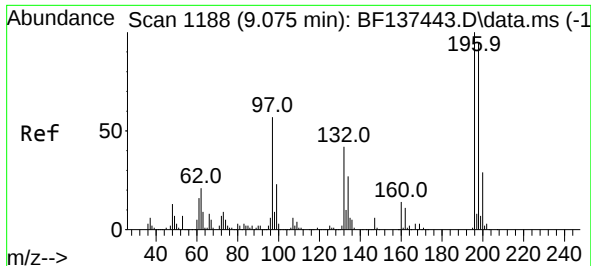
03/26/2024



#42  
2,4,6-Tribromophenol  
Concen: 147.863 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:330 Resp: 361747  
Ion Ratio Lower Upper  
330 100  
332 95.8 78.0 117.0  
141 29.1 27.3 40.9





#43

2,4,6-Trichlorophenol

Concen: 49.183 ng

RT: 9.004 min Scan# 1183

Delta R.T. 0.006 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:196 Resp: 249100

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 97.7  | 75.8  | 113.8 |
| 200 | 30.5  | 23.5  | 35.3  |

Manual Integrations

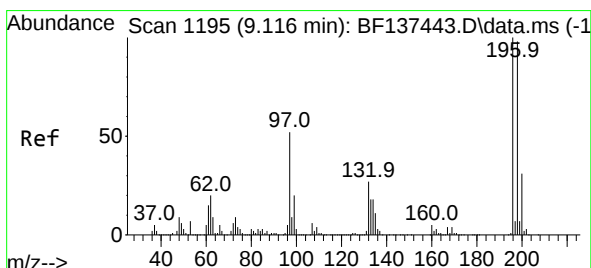
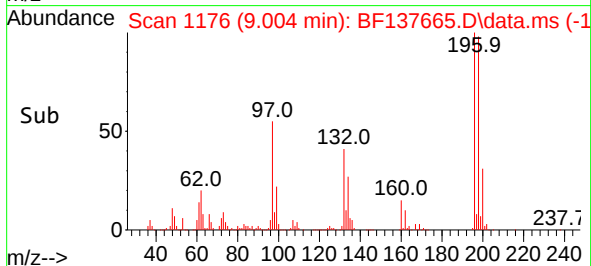
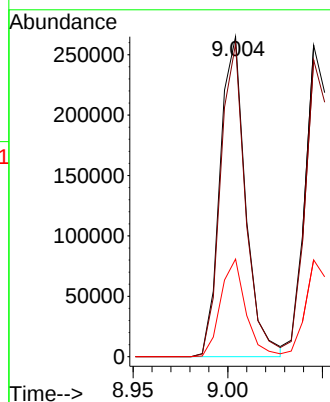
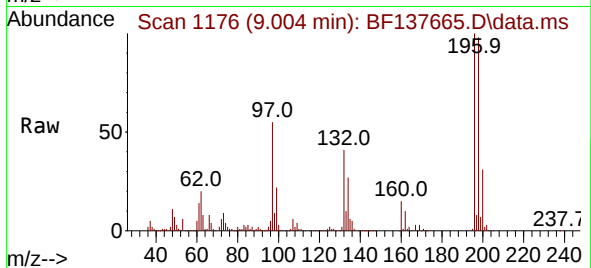
APPROVED

Reviewed By :Jagrut  
Upadhyay

03/22/2024

Supervised By :mohammad  
ahmed

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#44

2,4,5-Trichlorophenol

Concen: 46.311 ng

RT: 9.045 min Scan# 1183

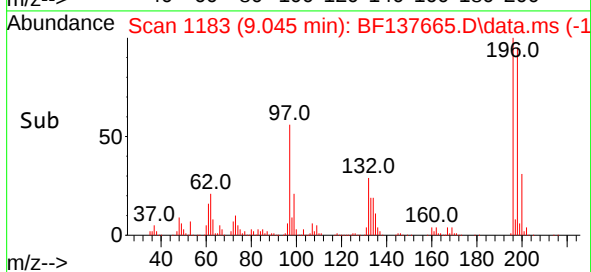
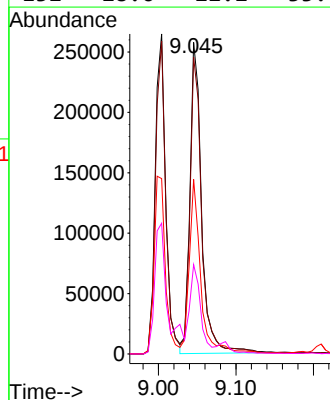
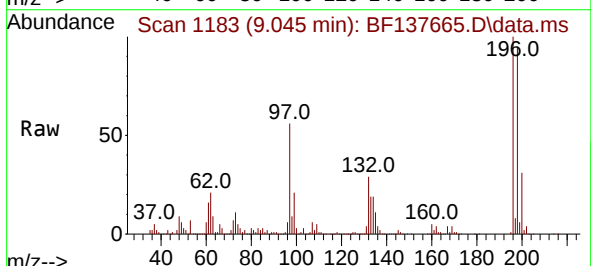
Delta R.T. 0.006 min

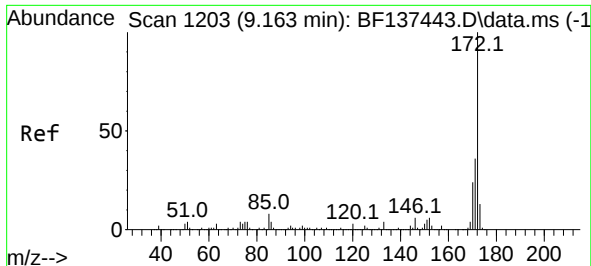
Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Tgt Ion:196 Resp: 270196

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 95.2  | 78.6  | 117.8 |
| 97  | 56.0  | 41.8  | 62.8  |
| 132 | 28.6  | 22.2  | 33.4  |





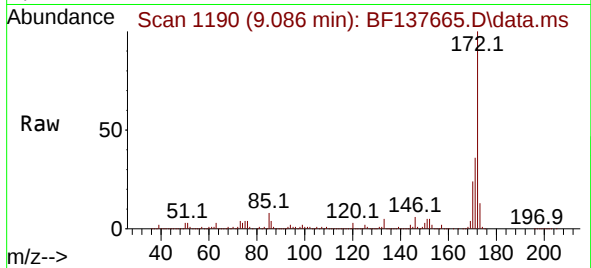
#45  
2-Fluorobiphenyl  
Concen: 94.340 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD



Tgt Ion:172 Resp: 1678980  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.5 42.7  
170 24.0 19.0 28.6

Manual Integrations

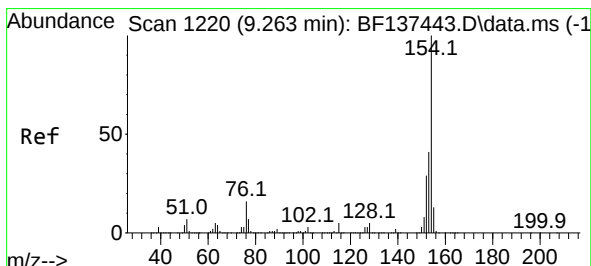
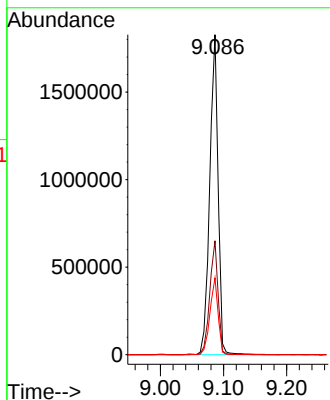
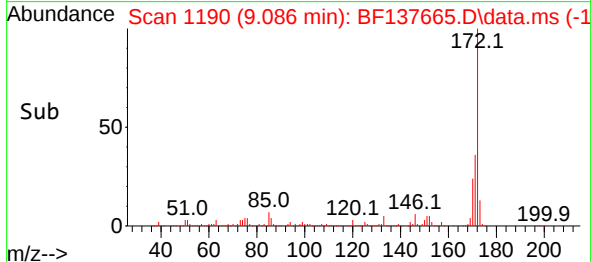
APPROVED

Reviewed By :Jagrut  
Upadhyay

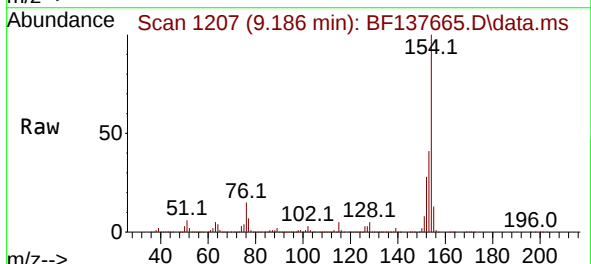
03/22/2024

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ahmed

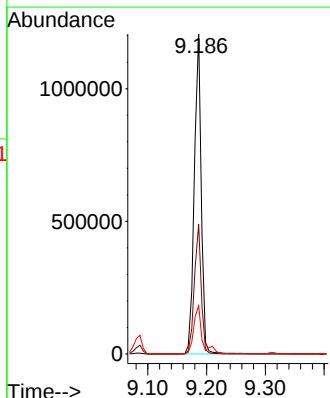
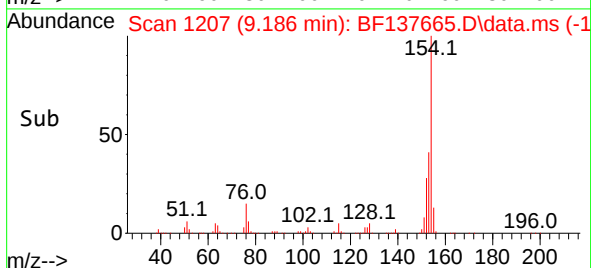
03/26/2024

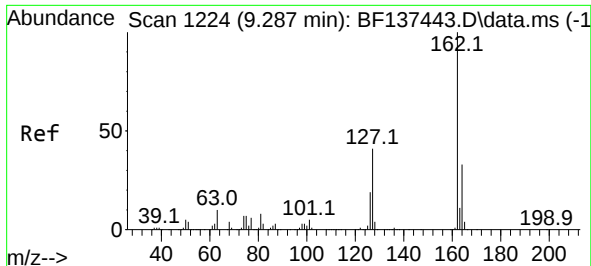


#46  
1,1'-Biphenyl  
Concen: 49.070 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26



Tgt Ion:154 Resp: 1000559  
Ion Ratio Lower Upper  
154 100  
153 40.5 21.0 61.0  
76 15.1 0.0 35.8





#47

2-Chloronaphthalene

Concen: 49.443 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:162 Resp: 76864  
 Ion Ratio Lower Upper  
 162 100  
 127 41.2 32.6 49.0  
 164 32.6 26.5 39.7

Manual Integrations

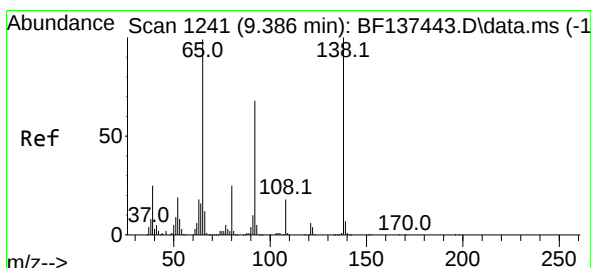
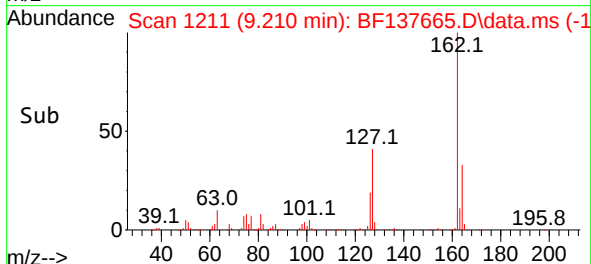
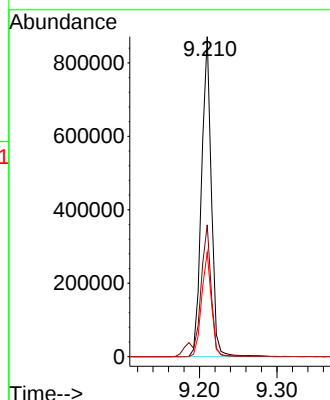
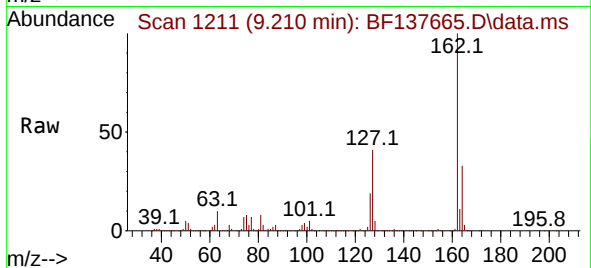
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Reviewed By :Jagrut  
 Upadhyay

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Supervised By :mohammad  
 ahmed

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#48

2-Nitroaniline

Concen: 45.944 ng

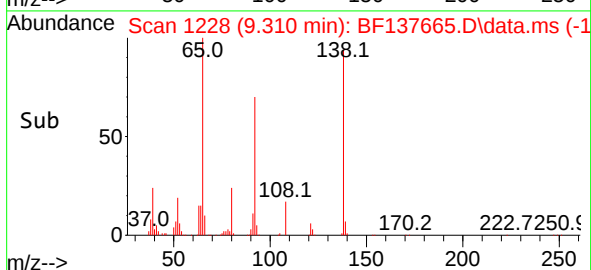
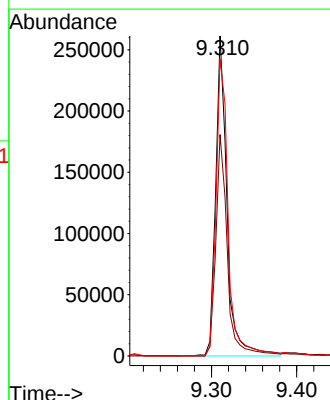
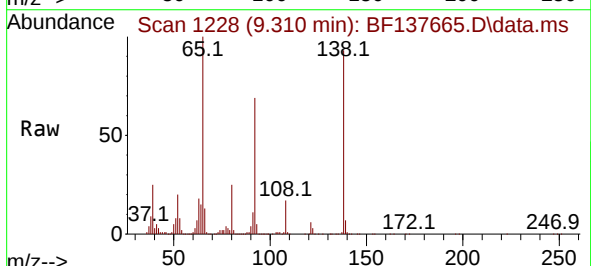
RT: 9.310 min Scan# 1228

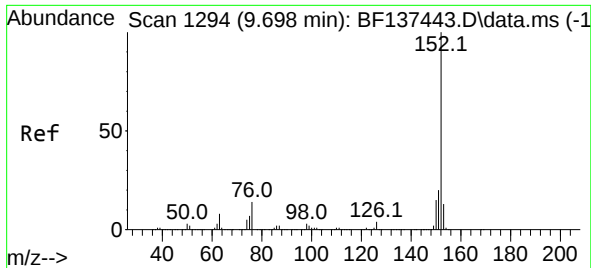
Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

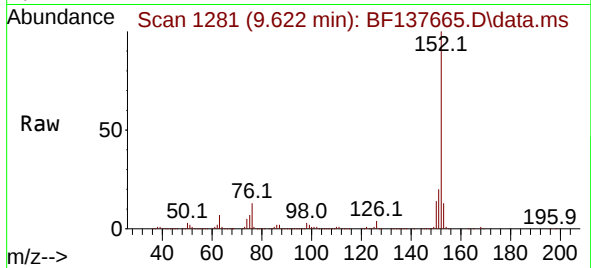
Tgt Ion: 65 Resp: 242764  
 Ion Ratio Lower Upper  
 65 100  
 92 69.2 55.4 83.2  
 138 92.8 81.0 121.6





#49  
Acenaphthylene  
Concen: 48.852 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



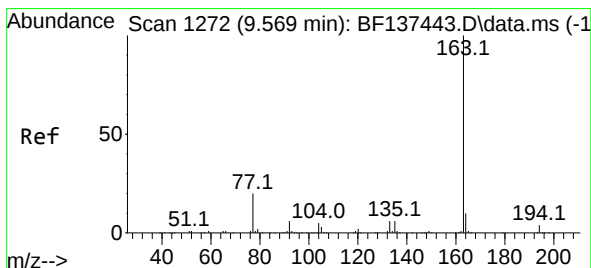
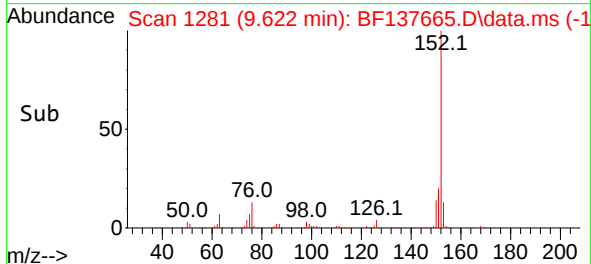
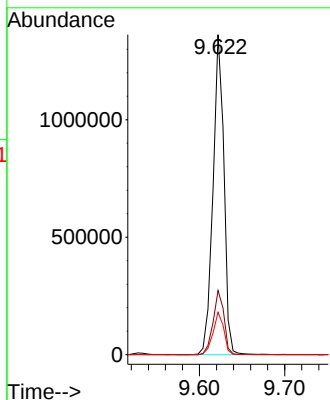
Tgt Ion:152 Resp: 1215378  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 13.2 10.8 16.2

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

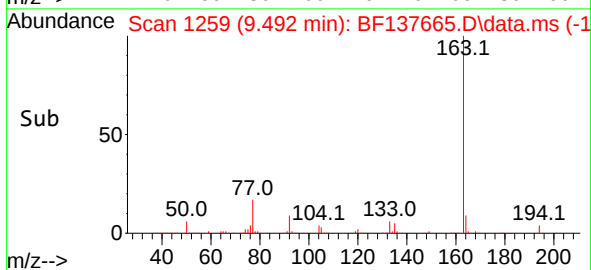
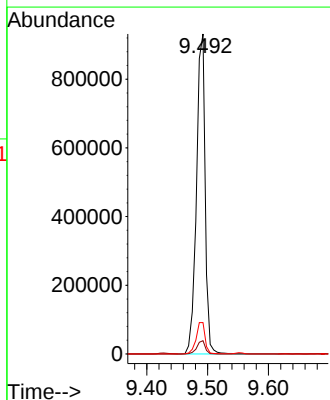
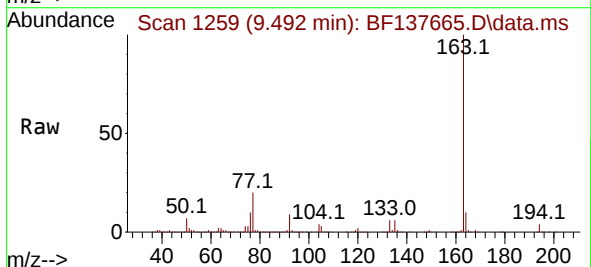
03/22/2024  
Supervised By :mohammad  
ahmed

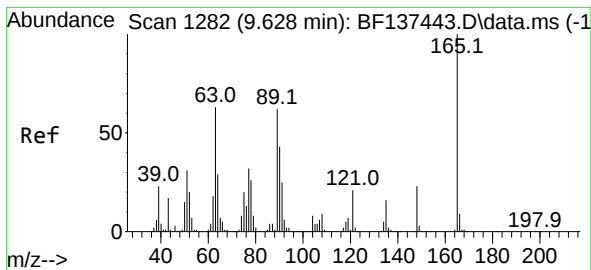
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#50  
Dimethylphthalate  
Concen: 47.621 ng  
RT: 9.492 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

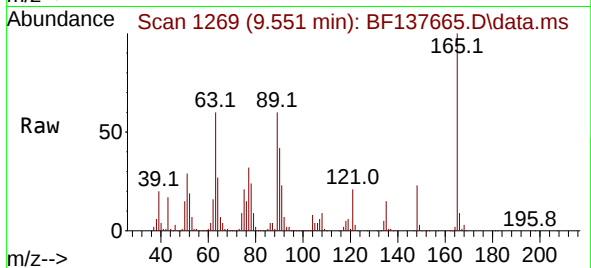
Tgt Ion:163 Resp: 923519  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 9.8 8.1 12.1





#51  
2,6-Dinitrotoluene  
Concen: 48.565 ng  
RT: 9.551 min Scan# 1310  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



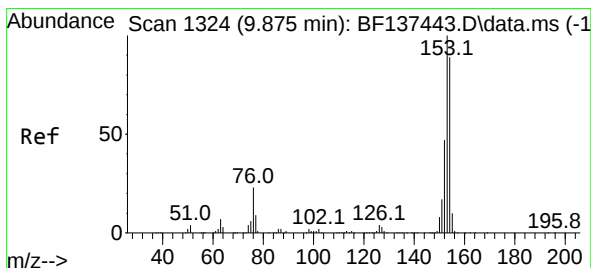
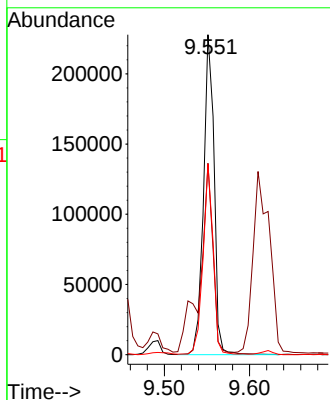
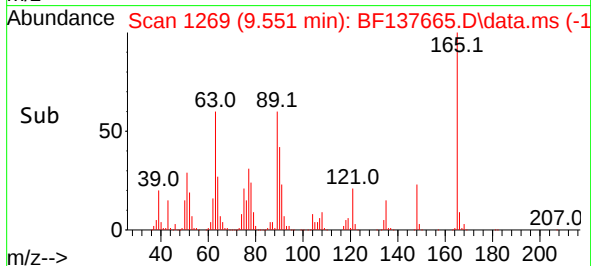
Tgt Ion:165 Resp: 196993  
Ion Ratio Lower Upper  
165 100  
63 59.8 50.7 76.1  
89 59.7 50.0 75.0

Manual Integrations  
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Upadhyay

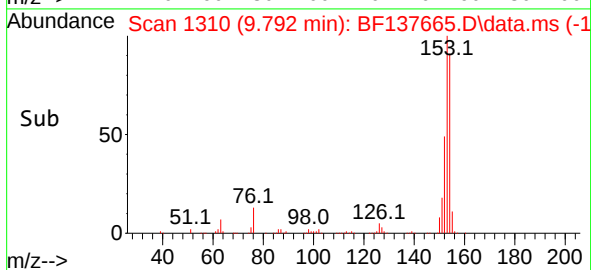
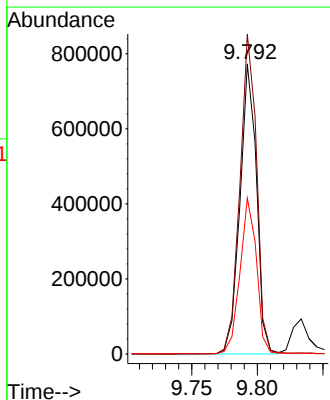
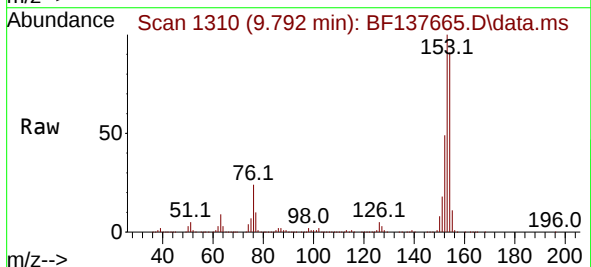
03/22/2024  
Supervised By :mohammad  
ahmed

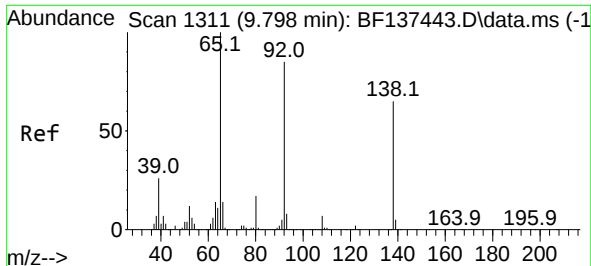
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#52  
Acenaphthene  
Concen: 45.731 ng  
RT: 9.792 min Scan# 1310  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

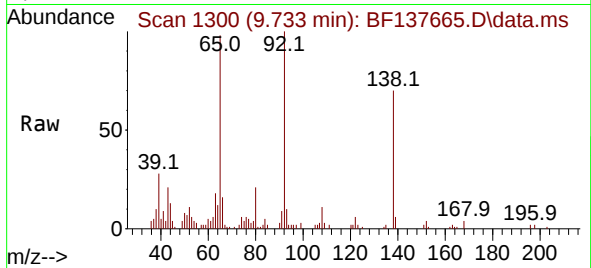
Tgt Ion:154 Resp: 679232  
Ion Ratio Lower Upper  
154 100  
153 110.3 90.3 135.5  
152 53.7 42.7 64.1





#53  
3-Nitroaniline  
Concen: 4.440 ng m  
RT: 9.733 min Scan# 1300  
Delta R.T. 0.012 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



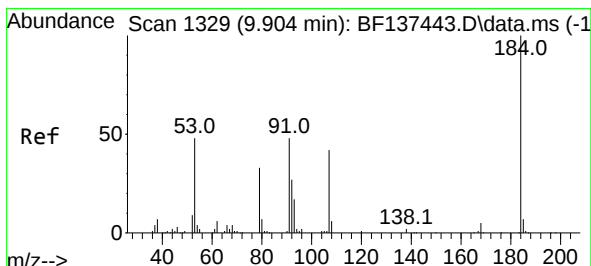
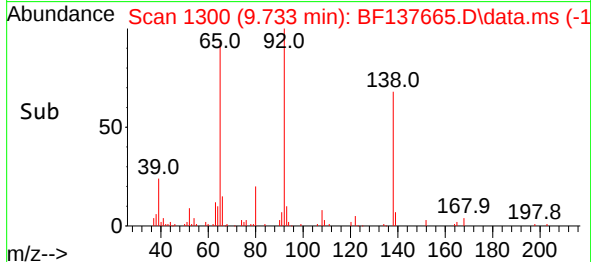
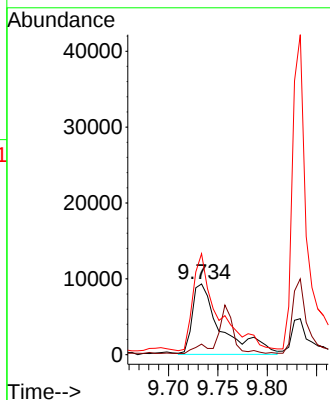
Tgt Ion:138 Resp: 19050  
Ion Ratio Lower Upper  
138 100  
108 15.0 9.1 13.7  
92 142.8 104.6 157.0

Manual Integrations  
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Upadhyay

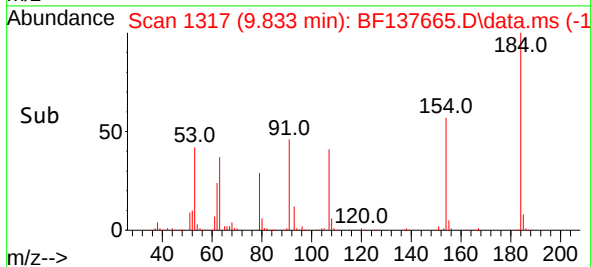
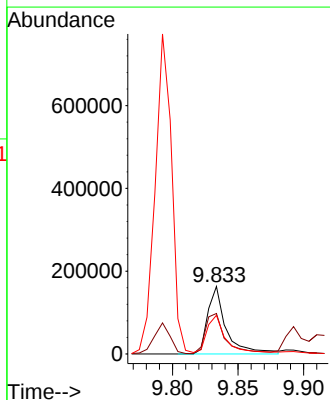
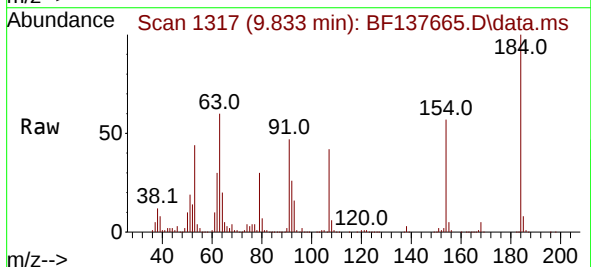
03/22/2024  
Supervised By :mohammad  
ahmed

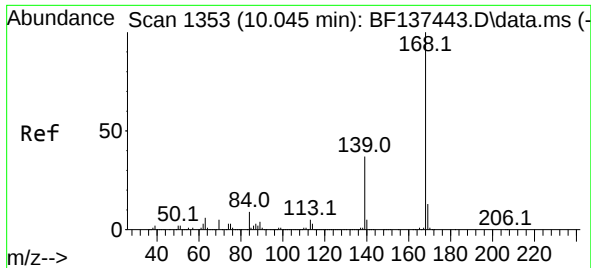
03/26/2024



#54  
2,4-Dinitrophenol  
Concen: 80.724 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

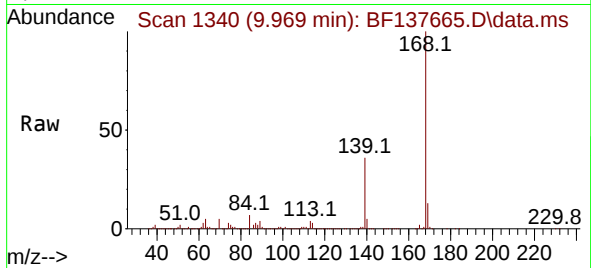
Tgt Ion:184 Resp: 159871  
Ion Ratio Lower Upper  
184 100  
63 60.1 53.3 79.9  
154 57.3 47.4 71.0





#55  
Dibenzenofuran  
Concen: 45.693 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



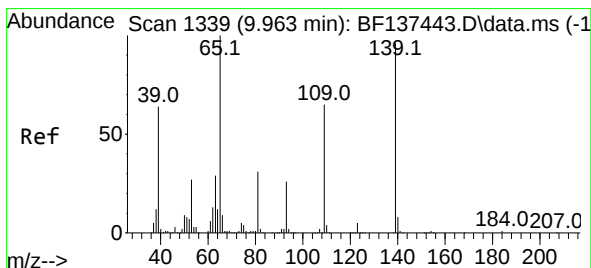
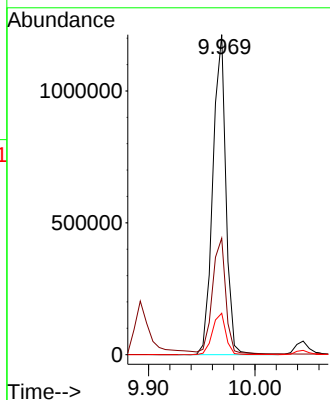
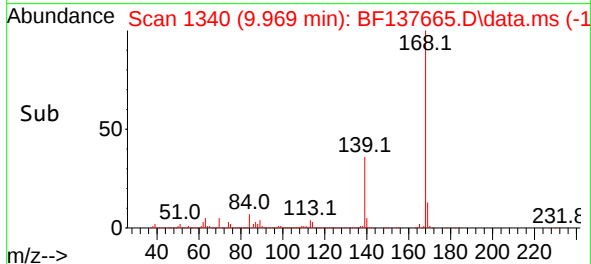
Tgt Ion:168 Resp: 1033664  
Ion Ratio Lower Upper  
168 100  
139 36.4 29.8 44.6  
169 12.9 10.8 16.2

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Upadhyay

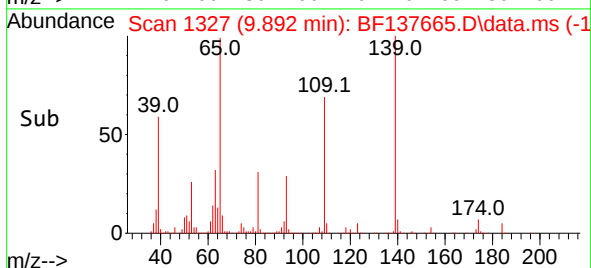
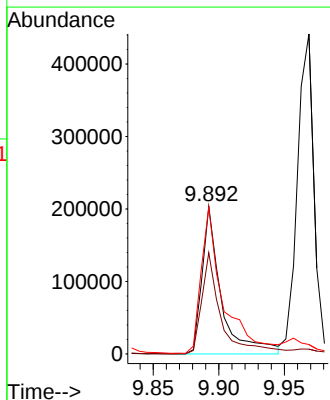
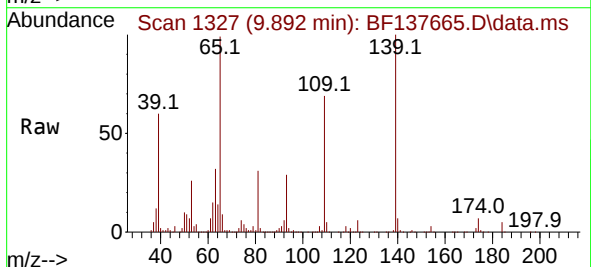
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Supervised By :mohammad  
ahmed

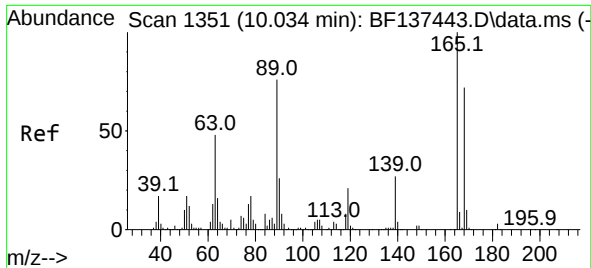
03/26/2024



#56  
4-Nitrophenol  
Concen: 69.084 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:139 Resp: 208879  
Ion Ratio Lower Upper  
139 100  
109 68.6 47.1 87.1  
65 99.4 85.1 125.1





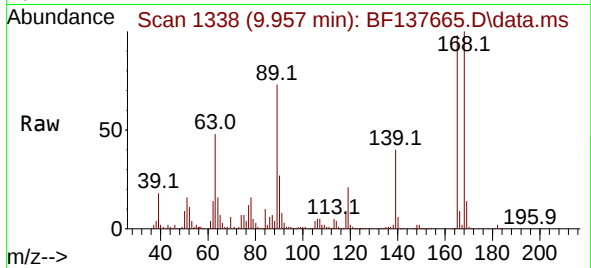
#57  
2,4-Dinitrotoluene  
Concen: 49.444 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD



Tgt Ion:165 Resp: 24640  
Ion Ratio Lower Upper  
165 100  
63 48.9 39.0 58.6  
89 74.6 60.9 91.3  
182 2.5 2.2 3.2

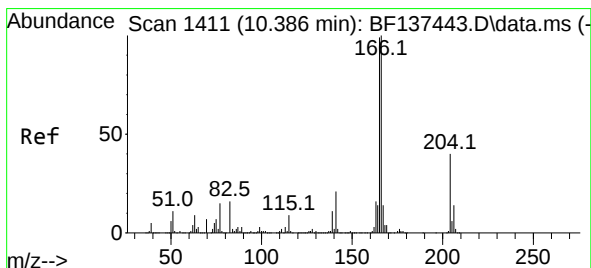
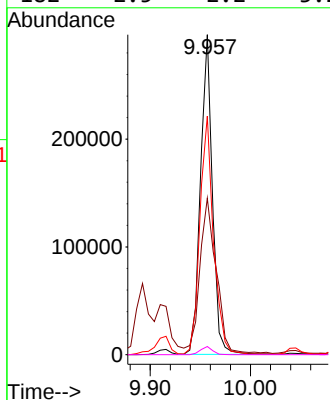
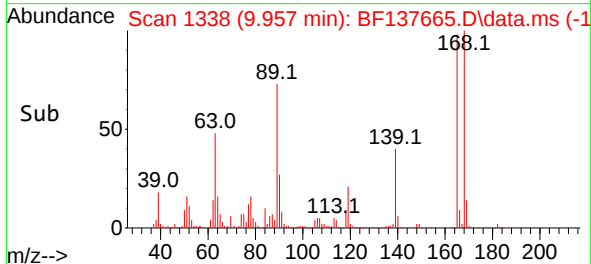
Manual Integrations  
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Upadhyay

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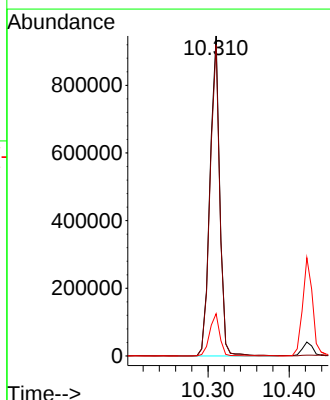
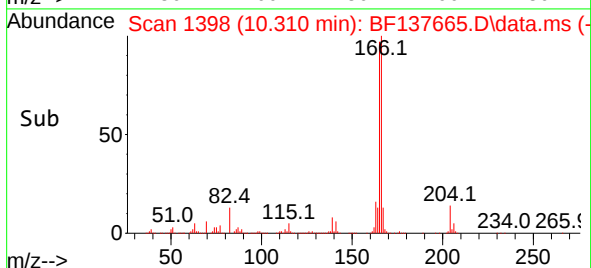
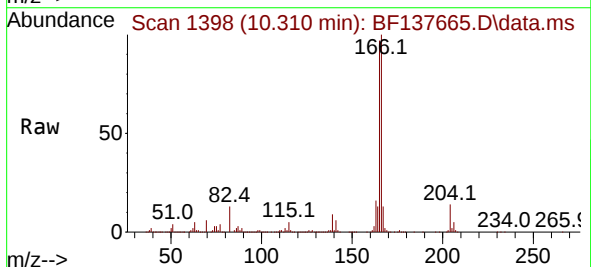
Supervised By :mohammad  
ahmed

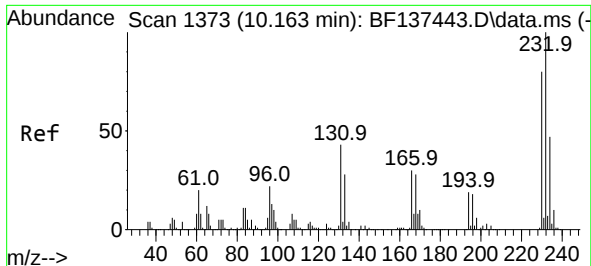
03/26/2024



#58  
Fluorene  
Concen: 45.131 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

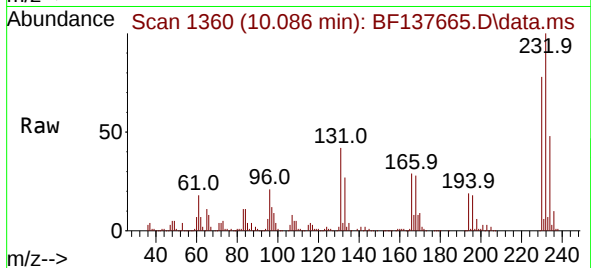
Tgt Ion:166 Resp: 784082  
Ion Ratio Lower Upper  
166 100  
165 97.2 79.2 118.8  
167 13.2 11.0 16.6





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.283 ng  
RT: 10.086 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



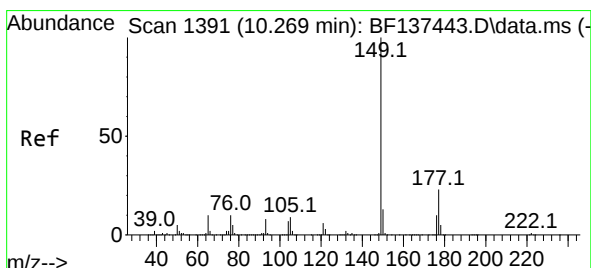
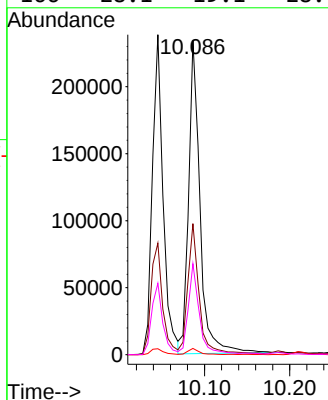
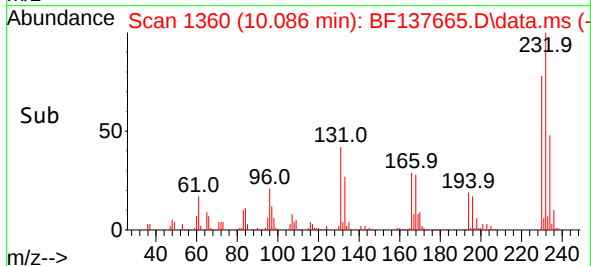
Tgt Ion:232 Resp: 21654  
Ion Ratio Lower Upper  
232 100  
131 40.9 31.2 46.8  
130 2.0 1.8 2.6  
166 28.1 19.1 28.7

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Upadhyay

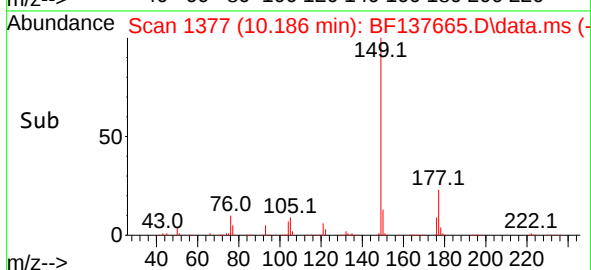
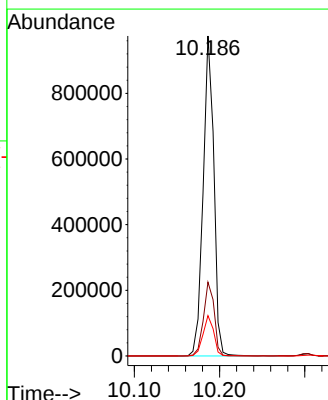
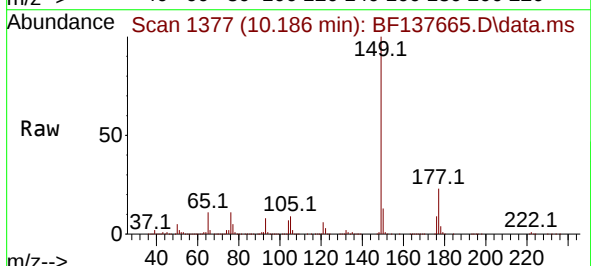
03/22/2024  
Supervised By :mohammad  
ahmed

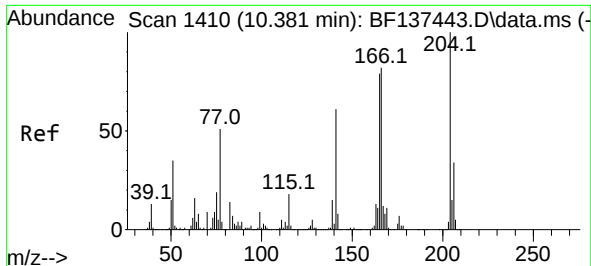
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#60  
Diethylphthalate  
Concen: 46.426 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

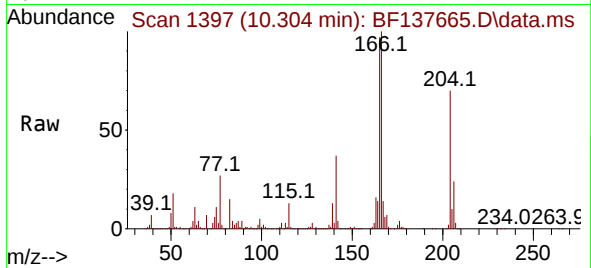
Tgt Ion:149 Resp: 850227  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.7 28.1  
150 12.6 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 45.722 ng  
RT: 10.304 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



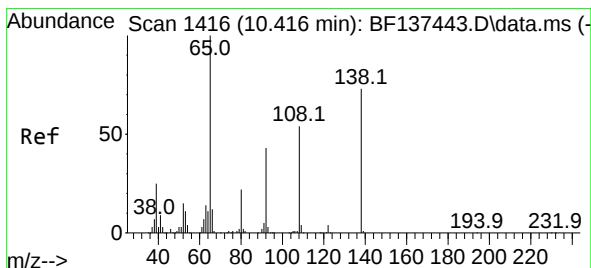
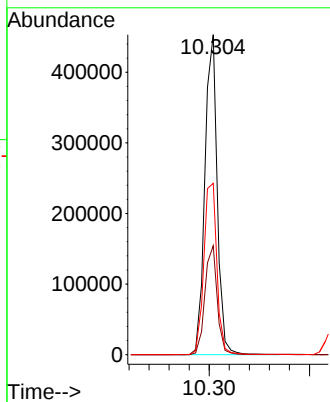
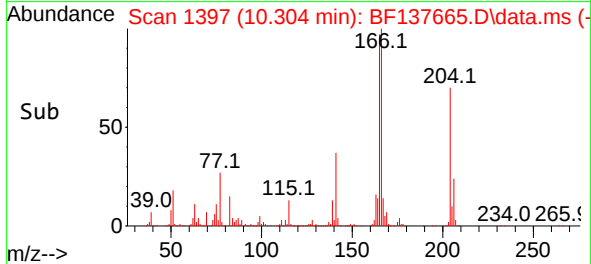
Tgt Ion:204 Resp: 389305  
Ion Ratio Lower Upper  
204 100  
206 34.0 27.4 41.0  
141 53.5 48.4 72.6

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Upadhyay

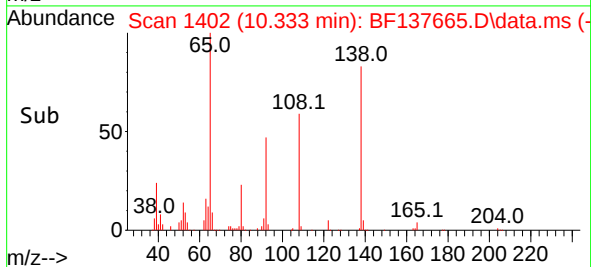
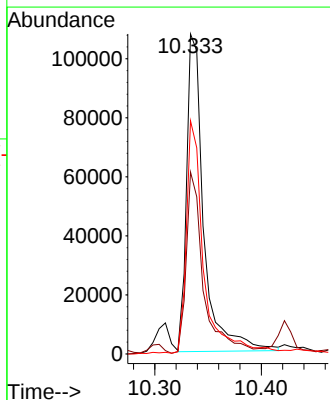
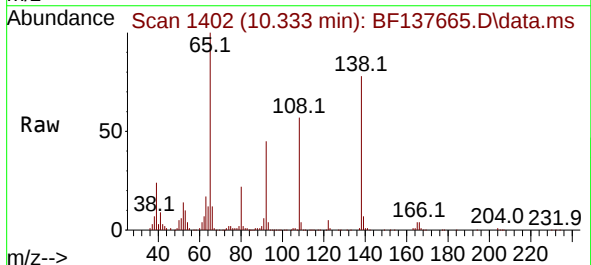
03/22/2024  
Supervised By :mohammad  
ahmed

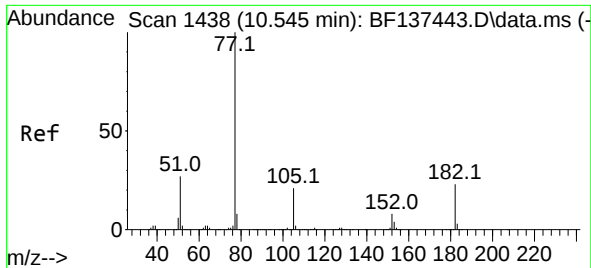
03/26/2024



#62  
4-Nitroaniline  
Concen: 32.685 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

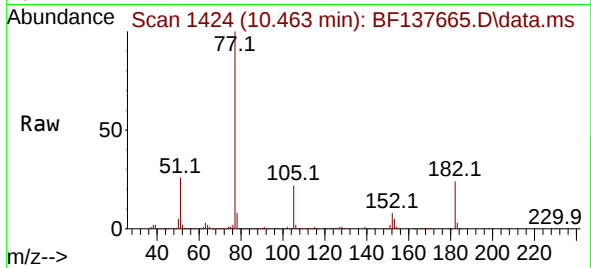
Tgt Ion:138 Resp: 120528  
Ion Ratio Lower Upper  
138 100  
92 56.9 37.9 77.9  
108 72.8 53.2 93.2





#63  
Azobenzene  
Concen: 42.829 ng  
RT: 10.463 min Scan# 1438  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



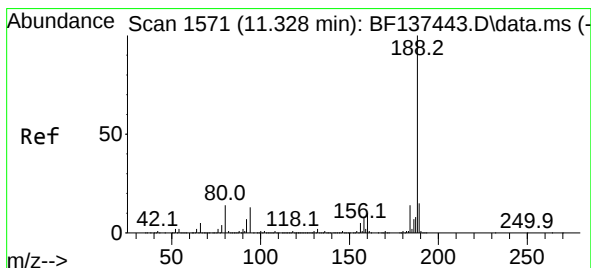
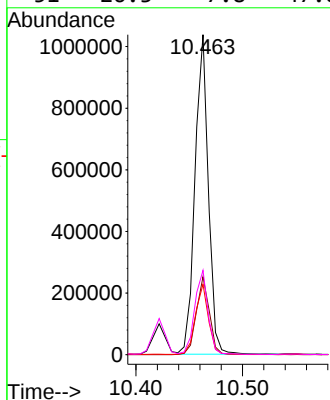
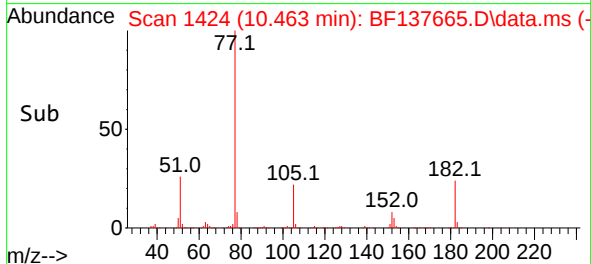
Tgt Ion: 77 Resp: 903162  
Ion Ratio Lower Upper  
77 100  
182 24.3 3.2 43.2  
105 22.0 1.2 41.2  
51 26.3 7.8 47.8

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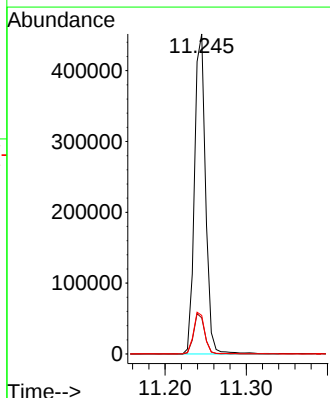
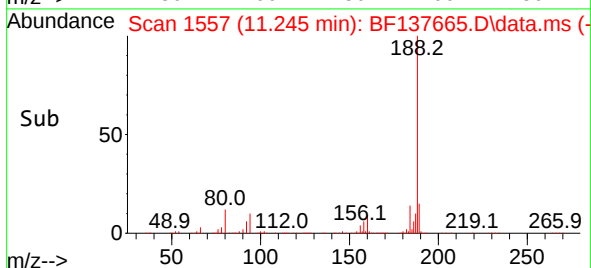
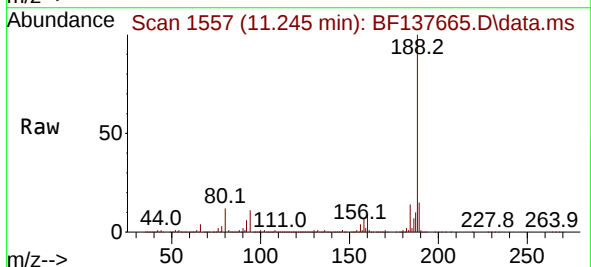
03/22/2024  
Supervised By :mohammad  
ahmed

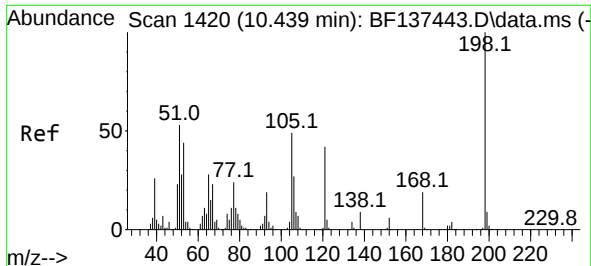
03/26/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.245 min Scan# 1557  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

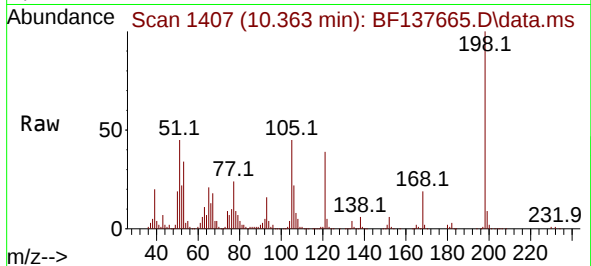
Tgt Ion:188 Resp: 431038  
Ion Ratio Lower Upper  
188 100  
94 11.3 10.6 15.8  
80 12.1 11.5 17.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.294 ng  
RT: 10.363 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



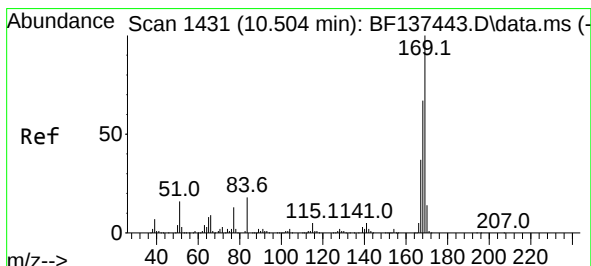
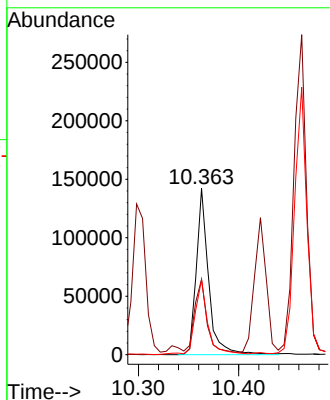
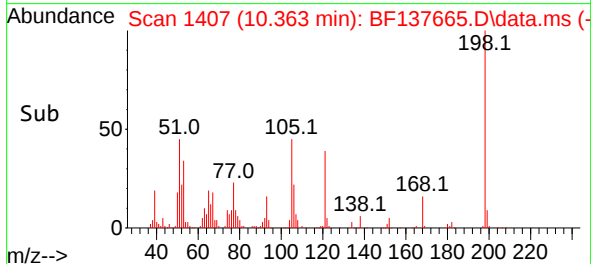
Tgt Ion:198 Resp: 120824  
Ion Ratio Lower Upper  
198 100  
51 45.4 37.2 77.2  
105 45.2 29.2 69.2

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Upadhyay

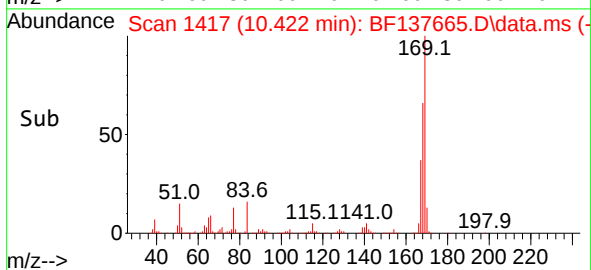
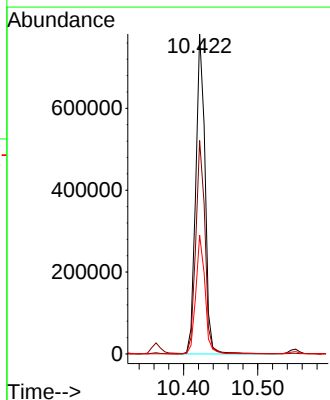
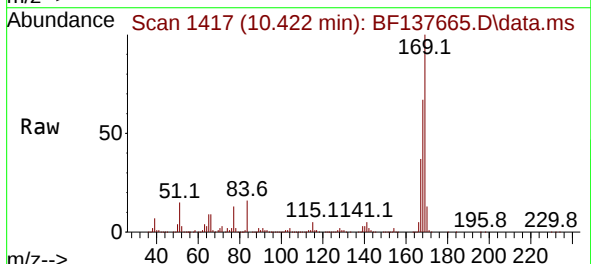
03/22/2024  
Supervised By :mohammad  
ahmed

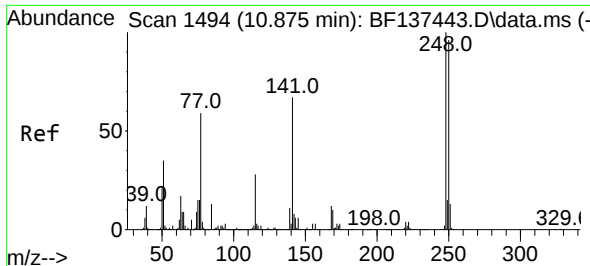
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#66  
n-Nitrosodiphenylamine  
Concen: 48.886 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

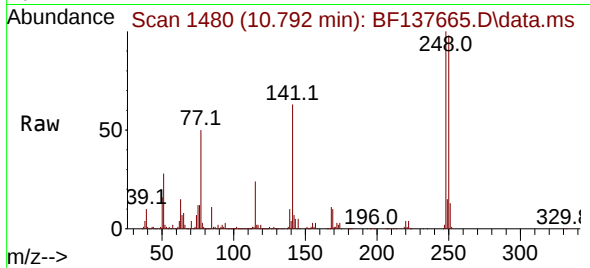
Tgt Ion:169 Resp: 678538  
Ion Ratio Lower Upper  
169 100  
168 66.7 53.8 80.6  
167 37.1 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 51.852 ng  
RT: 10.792 min Scan# 1480  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



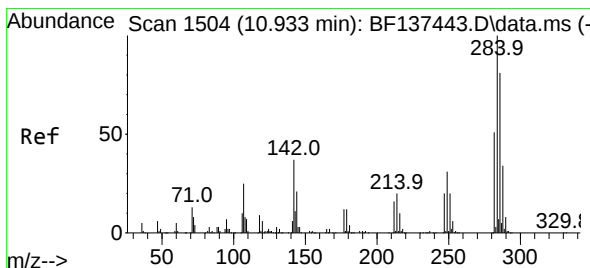
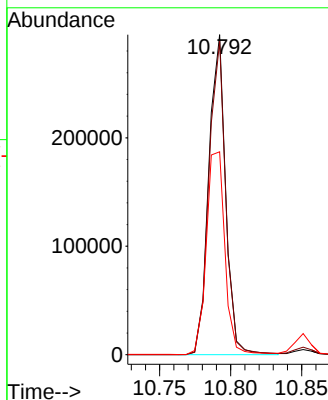
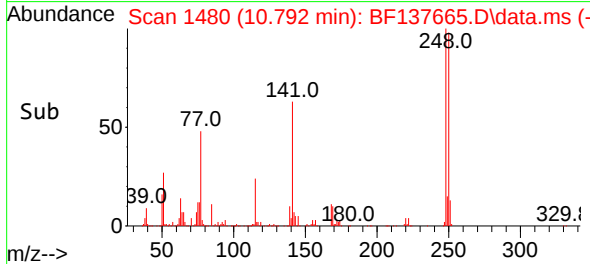
Tgt Ion:248 Resp: 243434  
Ion Ratio Lower Upper  
248 100  
250 97.9 76.8 115.2  
141 63.4 53.4 80.0

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Upadhyay

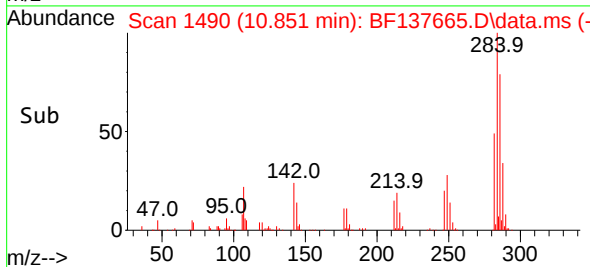
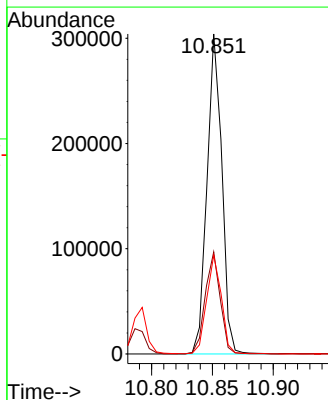
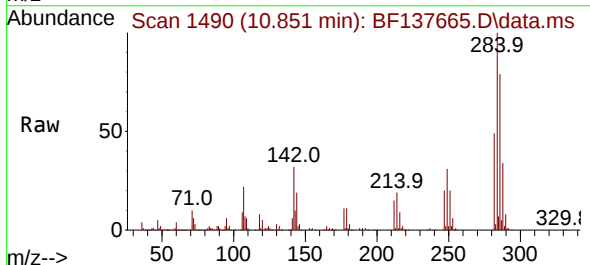
03/22/2024  
Supervised By :mohammad  
ahmed

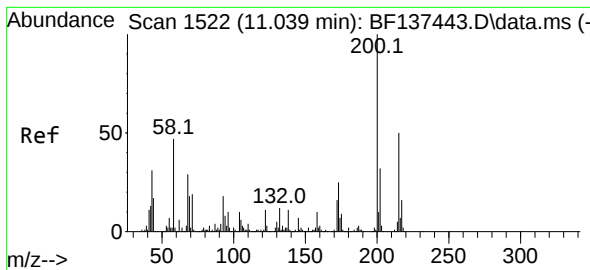
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#68  
Hexachlorobenzene  
Concen: 54.215 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

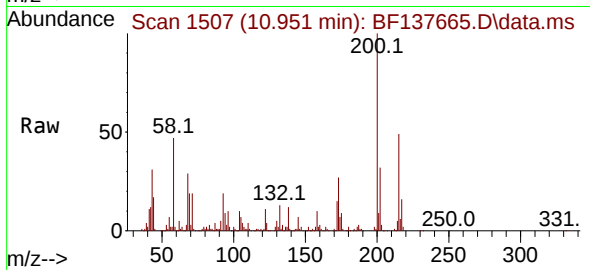
Tgt Ion:284 Resp: 257077  
Ion Ratio Lower Upper  
284 100  
142 31.9 29.4 44.0  
249 30.9 25.0 37.4





#69  
Atrazine  
Concen: 41.057 ng  
RT: 10.951 min Scan# 1522  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



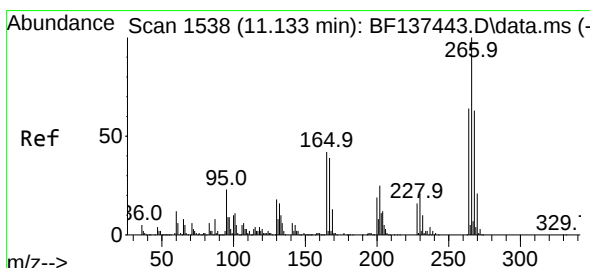
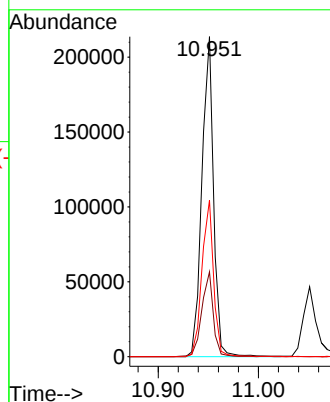
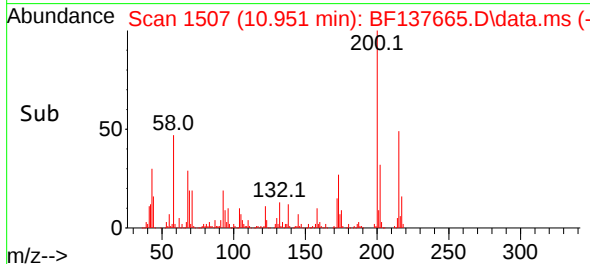
Tgt Ion:200 Resp: 173239  
Ion Ratio Lower Upper  
200 100  
173 26.5 5.1 45.1  
215 48.9 30.4 70.4

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Upadhyay

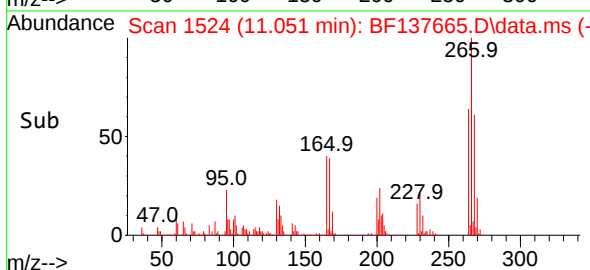
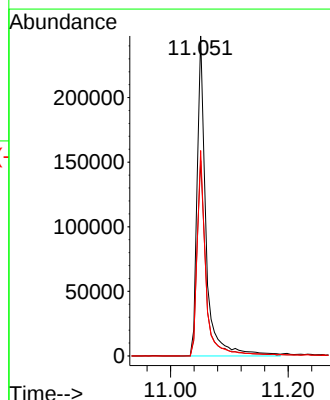
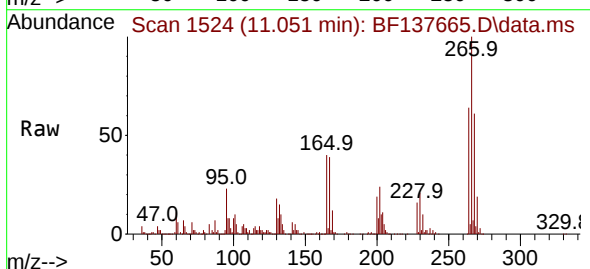
03/22/2024  
Supervised By :mohammad  
ahmed

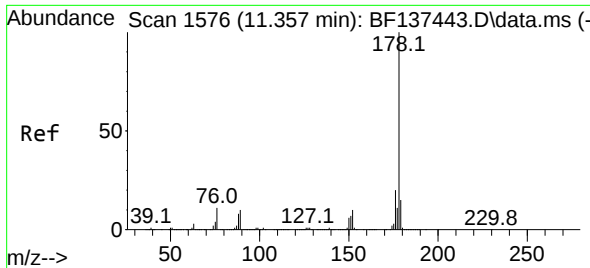
03/26/2024



#70  
Pentachlorophenol  
Concen: 90.978 ng  
RT: 11.051 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:266 Resp: 260790  
Ion Ratio Lower Upper  
266 100  
268 61.0 50.2 75.2  
264 64.2 50.9 76.3





#71  
Phenanthrene  
Concen: 46.989 ng  
RT: 11.269 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD

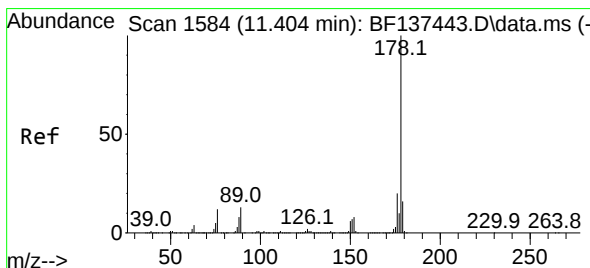
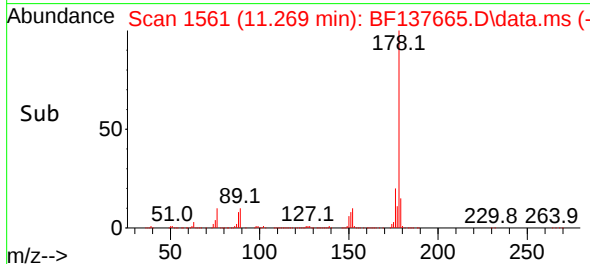
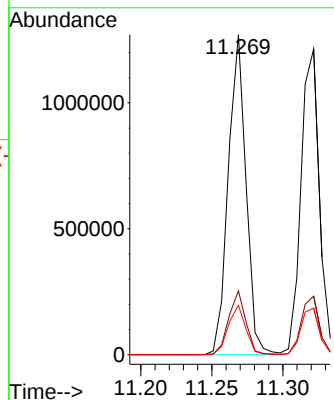
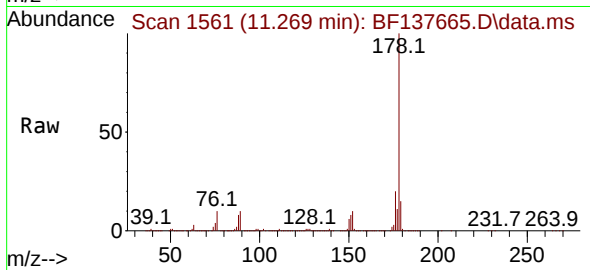
Tgt Ion:178 Resp: 1102270  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.8 23.8  
179 15.4 12.2 18.2

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Reviewed By :Jagrut  
Upadhyay

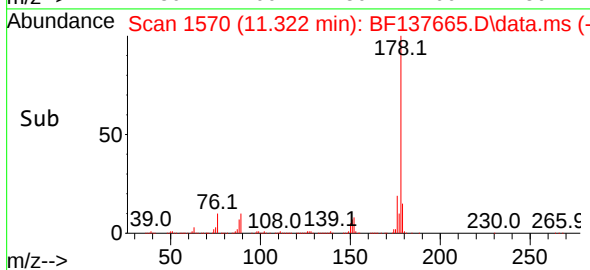
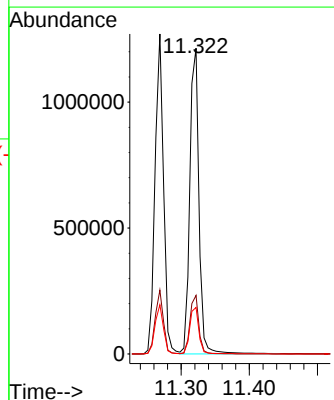
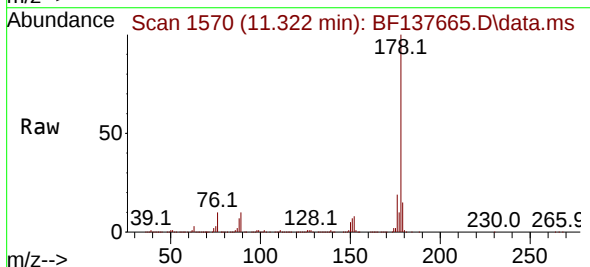
03/22/2024  
Supervised By :mohammad  
ahmed

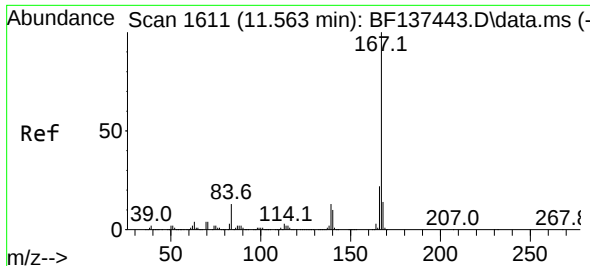
03/26/2024



#72  
Anthracene  
Concen: 46.298 ng  
RT: 11.322 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

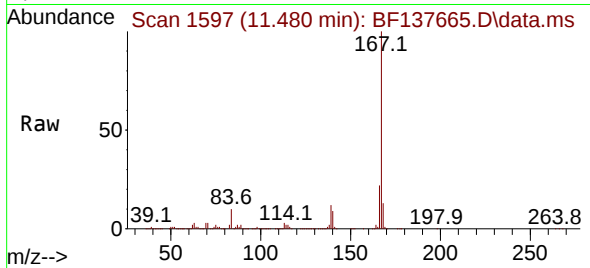
Tgt Ion:178 Resp: 1115448  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.7 23.5  
179 15.2 12.7 19.1





#73  
 Carbazole  
 Concen: 44.887 ng  
 RT: 11.480 min Scan# 1611  
 Delta R.T. 0.006 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-PITMSD



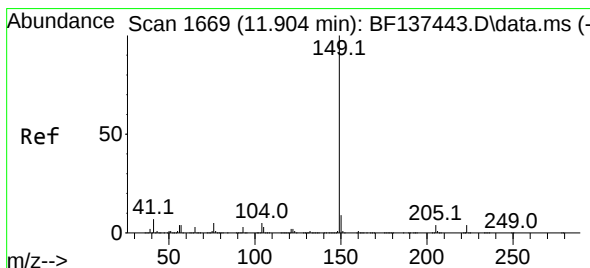
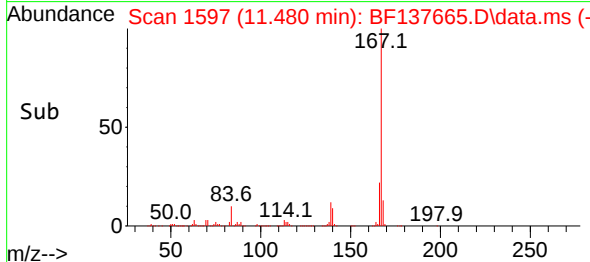
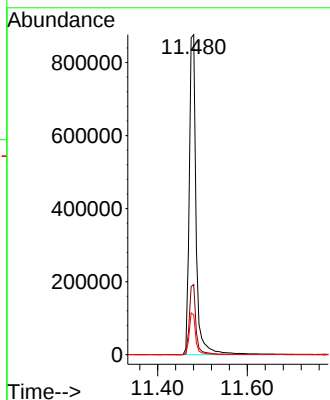
Tgt Ion:167 Resp: 926338  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.8 26.8  
 139 12.5 10.5 15.7

Manual Integrations  
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Reviewed By :Jagrut  
 Upadhyay

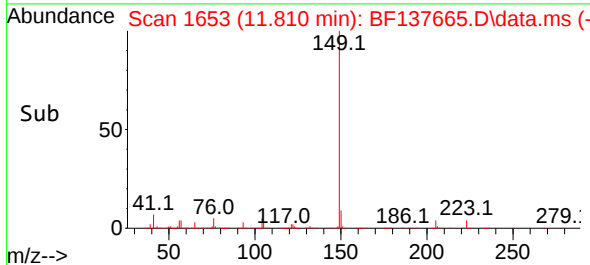
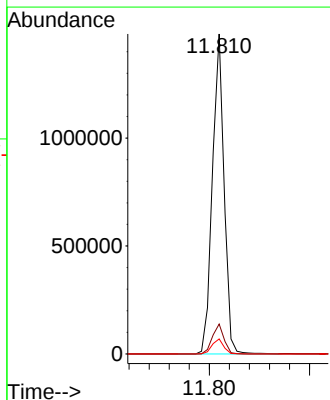
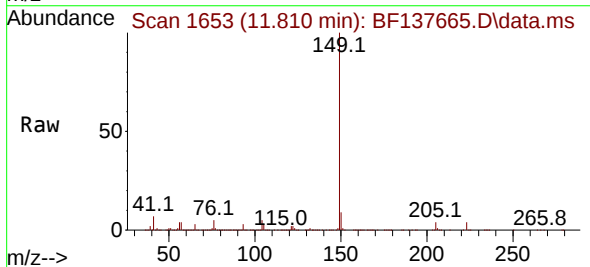
03/22/2024  
 Supervised By :mohammad  
 ahmed

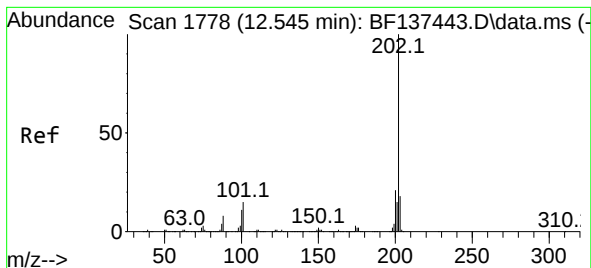
03/26/2024



#74  
 Di-n-butylphthalate  
 Concen: 48.920 ng  
 RT: 11.810 min Scan# 1653  
 Delta R.T. -0.000 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

Tgt Ion:149 Resp: 1201148  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.0  
 104 4.7 3.8 5.6





#75

Fluoranthene

Concen: 43.012 ng

RT: 12.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:202 Resp: 986240  
 Ion Ratio Lower Upper  
 202 100  
 101 14.2 0.0 35.0  
 203 17.9 0.0 37.7

Manual Integrations

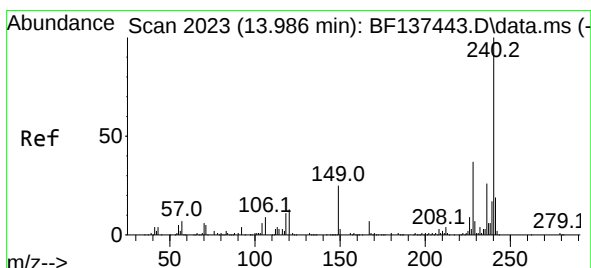
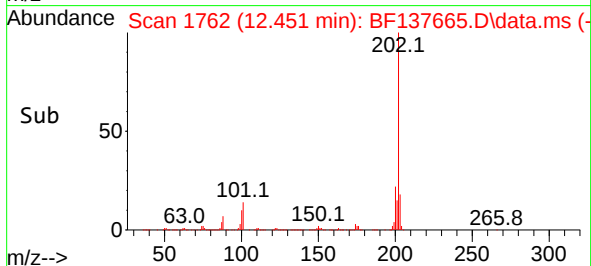
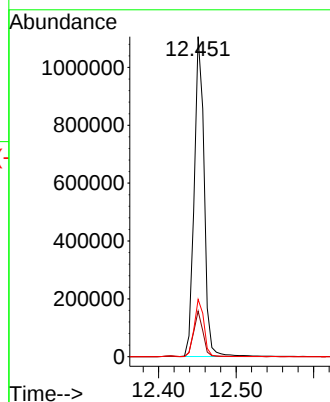
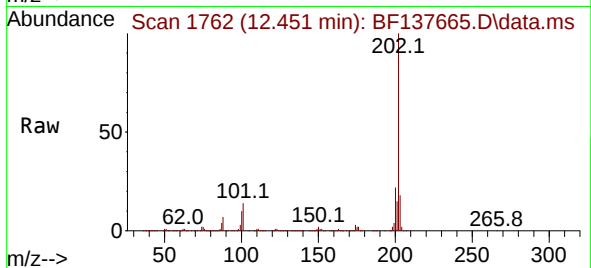
APPROVED

Reviewed By :Jagrut  
 Upadhyay

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Supervised By :mohammad  
 ahmed

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#76

Chrysene-d12

Concen: 20.000 ng

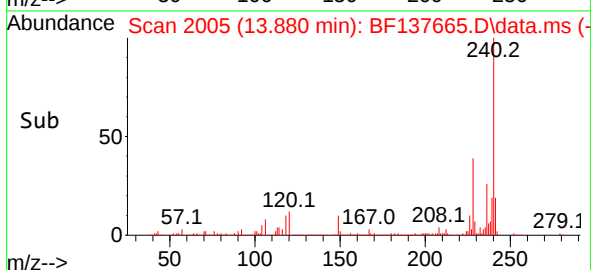
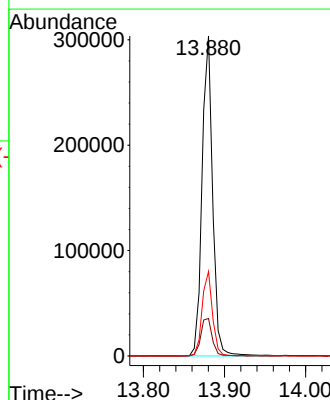
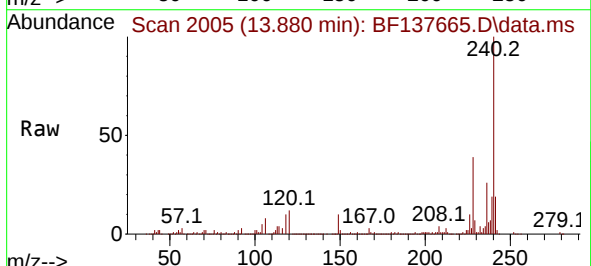
RT: 13.880 min Scan# 2005

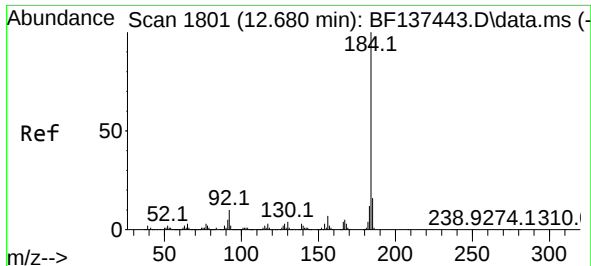
Delta R.T. 0.006 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

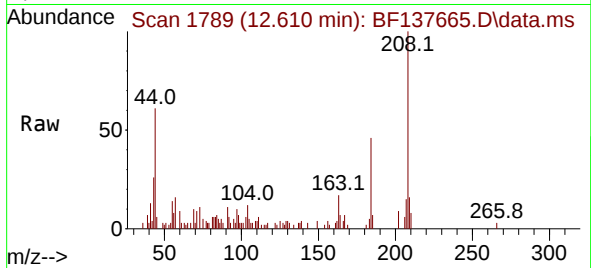
Tgt Ion:240 Resp: 274642  
 Ion Ratio Lower Upper  
 240 100  
 120 11.7 10.4 15.6  
 236 26.4 20.9 31.3





#77  
Benzidine  
Concen: 2.170 ng m  
RT: 12.610 min Scan# 1  
Delta R.T. 0.029 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



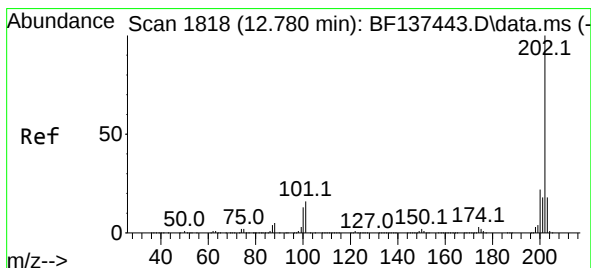
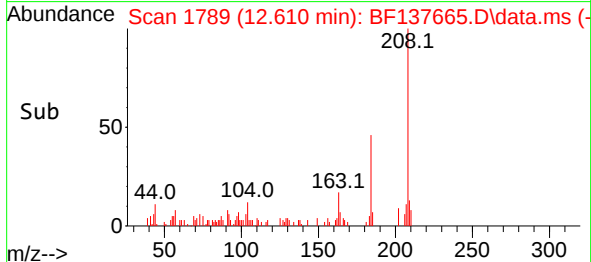
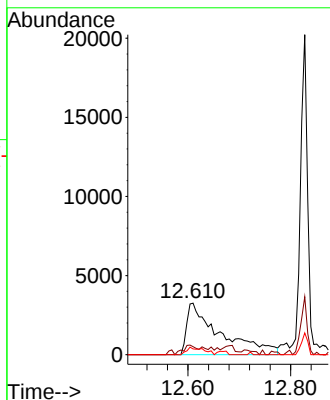
Tgt Ion:184 Resp: 1458  
Ion Ratio Lower Upper  
184 100  
185 15.5 13.2 19.8  
183 11.2 9.3 13.9

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Upadhyay

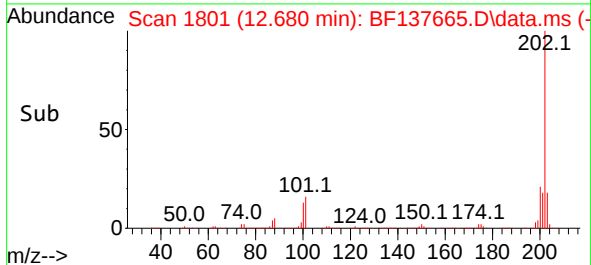
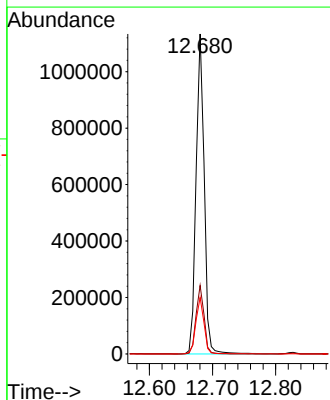
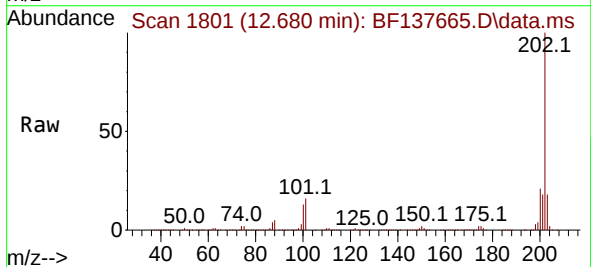
03/22/2024  
Supervised By :mohammad  
ahmed

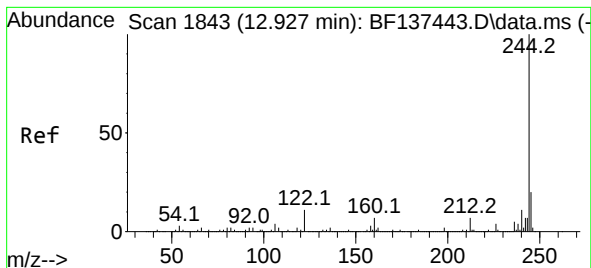
03/26/2024



#78  
Pyrene  
Concen: 37.605 ng  
RT: 12.680 min Scan# 1801  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

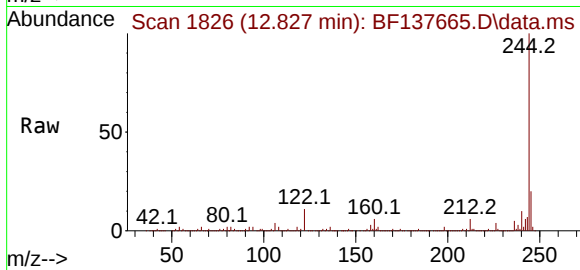
Tgt Ion:202 Resp: 1013402  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.4 26.2  
203 17.7 14.1 21.1





#79  
 Terphenyl-d14  
 Concen: 76.202 ng  
 RT: 12.827 min Scan# 1843  
 Delta R.T. -0.000 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TRENCH-PITMSD



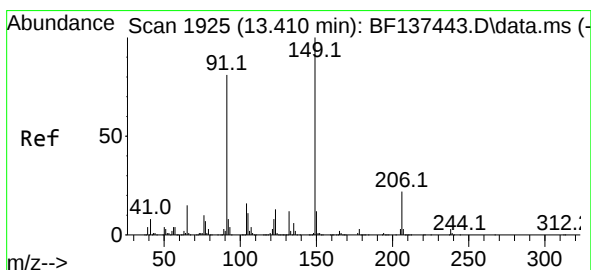
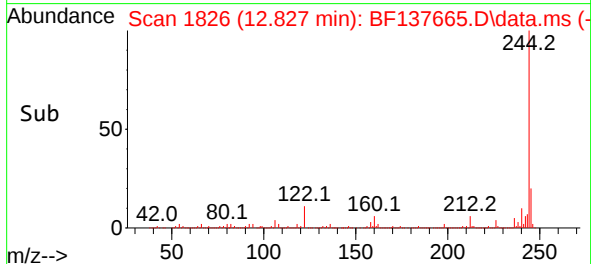
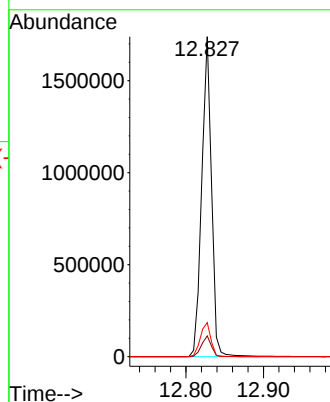
Tgt Ion:244 Resp: 152194  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.2  
 122 10.7 9.1 13.7

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 Upadhyay

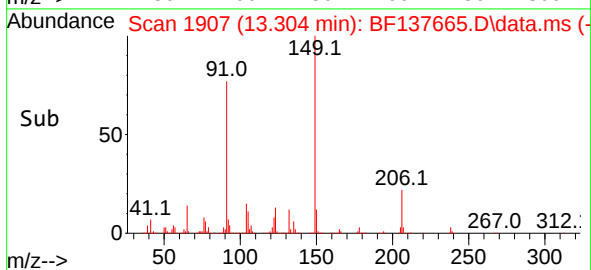
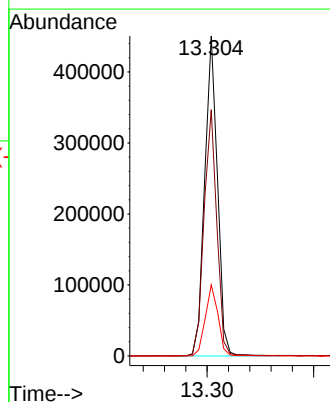
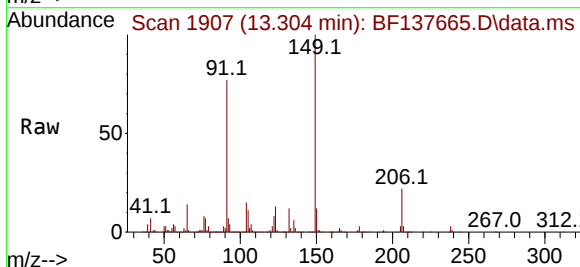
03/22/2024  
 Supervised By :mohammad  
 ahmed

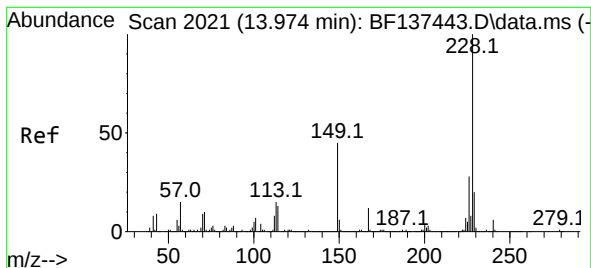
03/26/2024



#80  
 Butylbenzylphthalate  
 Concen: 54.637 ng  
 RT: 13.304 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: BF137665.D  
 Acq: 21 Mar 2024 17:26

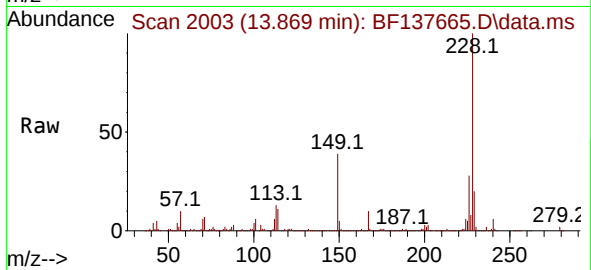
Tgt Ion:149 Resp: 376029  
 Ion Ratio Lower Upper  
 149 100  
 91 77.0 64.7 97.1  
 206 22.2 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 46.073 ng  
RT: 13.869 min Scan# 2021  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



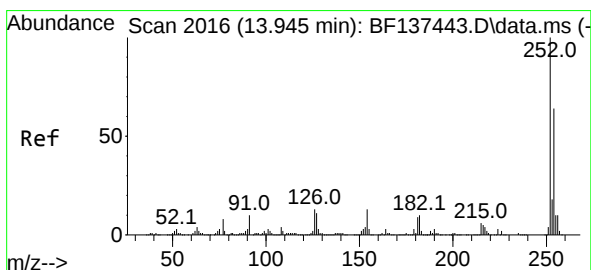
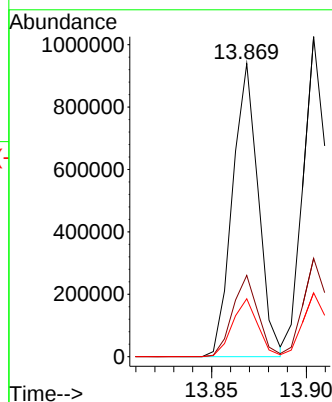
Tgt Ion:228 Resp: 88688  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.3 33.5  
229 19.8 16.3 24.5

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Upadhyay

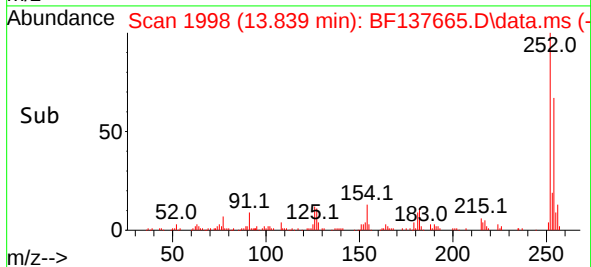
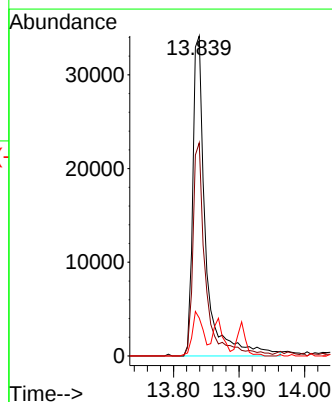
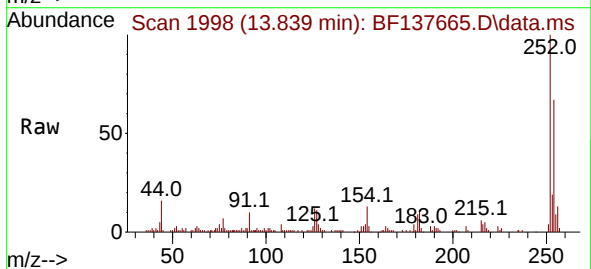
03/22/2024  
Supervised By :mohammad  
ahmed

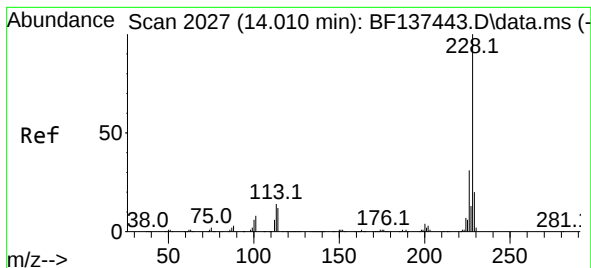
03/26/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 9.167 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:252 Resp: 46989  
Ion Ratio Lower Upper  
252 100  
254 66.6 51.4 77.2  
126 11.9 10.4 15.6





#83

Chrysene

Concen: 47.364 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.000 min

Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD

Tgt Ion:228 Resp: 921472

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.8  | 24.7  | 37.1  |
| 229 | 19.9  | 15.9  | 23.9  |

Manual Integrations

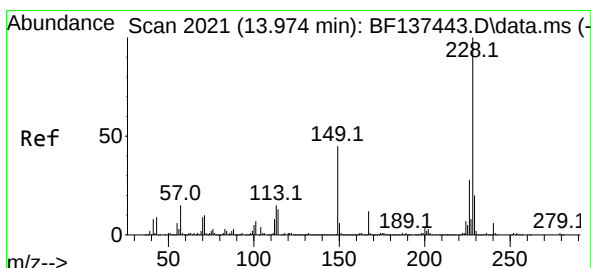
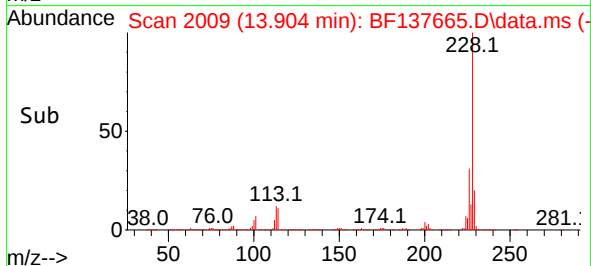
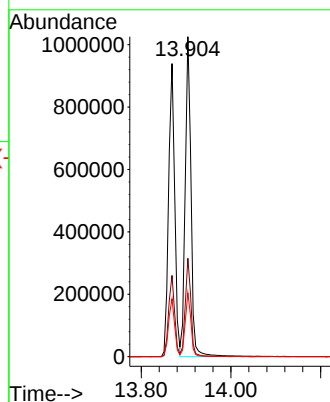
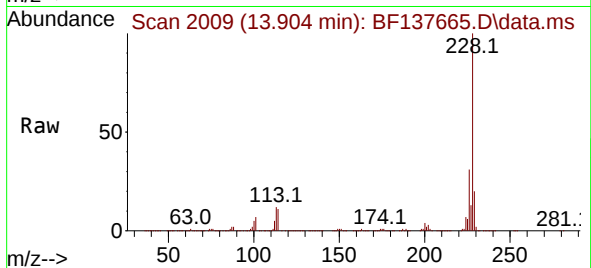
APPROVED

Reviewed By :Jagrut  
Upadhyay

03/22/2024

Supervised By :mohammad  
ahmed

03/26/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.128 ng

RT: 13.863 min Scan# 2002

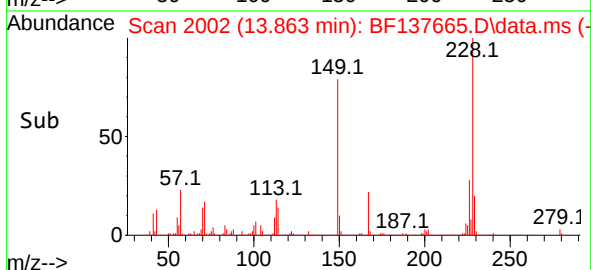
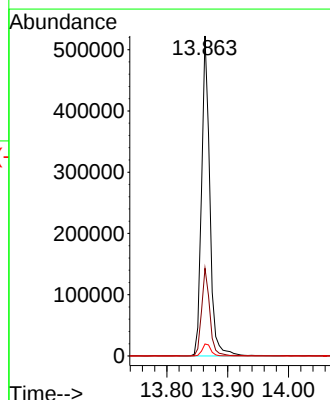
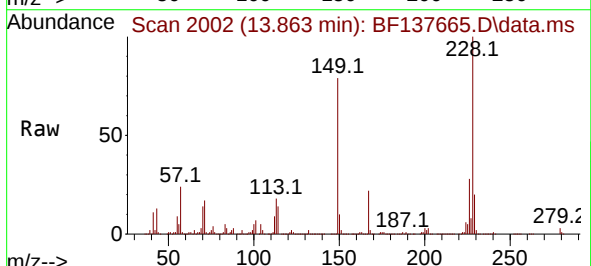
Delta R.T. -0.000 min

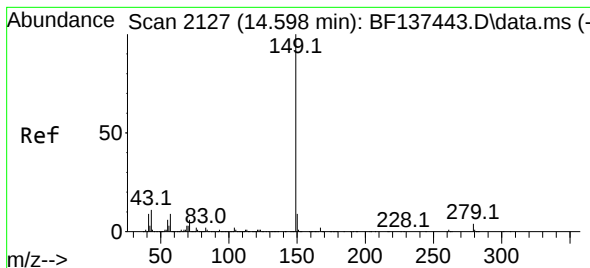
Lab File: BF137665.D

Acq: 21 Mar 2024 17:26

Tgt Ion:149 Resp: 490986

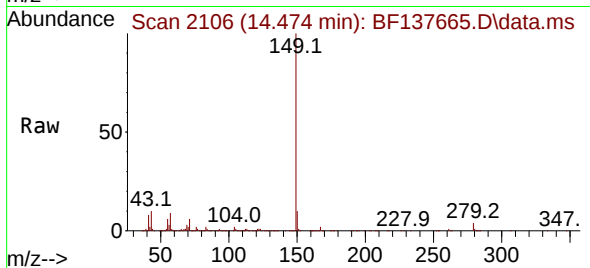
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.4  | 21.3  | 31.9  |
| 279 | 3.8   | 2.6   | 4.0   |





#85  
Di-n-octyl phthalate  
Concen: 52.316 ng  
RT: 14.474 min Scan# 2127  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



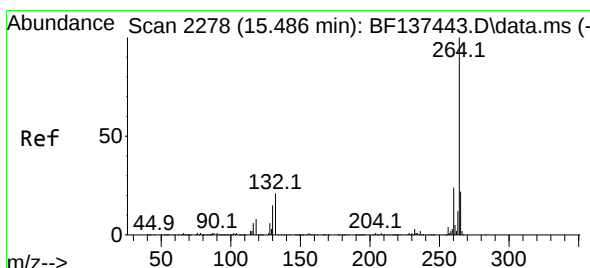
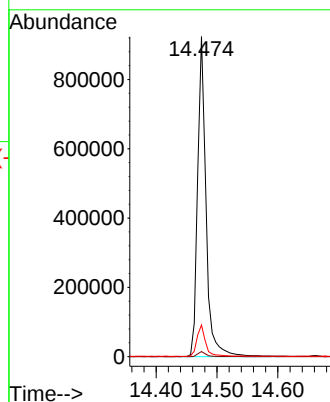
Tgt Ion:149 Resp: 89162  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.1 9.6 14.4

Manual Integrations  
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Reviewed By :Jagrut  
Upadhyay

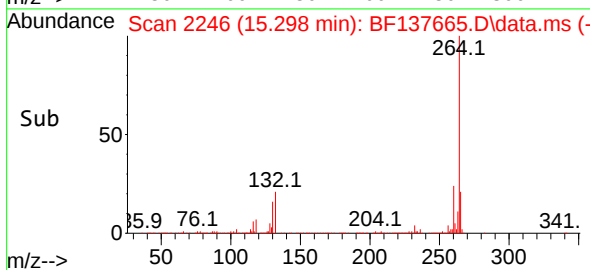
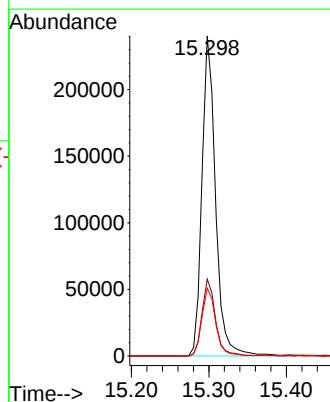
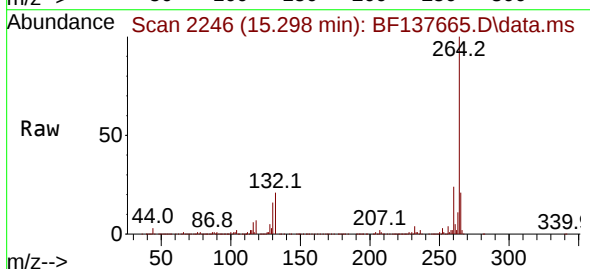
03/22/2024  
Supervised By :mohammad  
ahmed

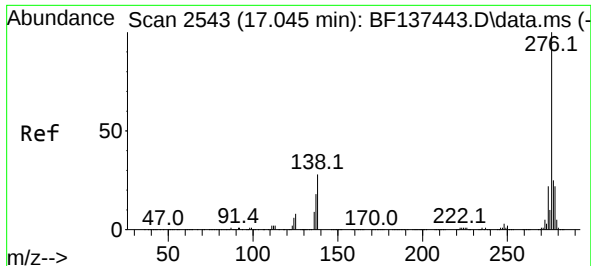
03/26/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.298 min Scan# 2246  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:264 Resp: 293003  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.3 28.9  
265 21.2 17.4 26.0





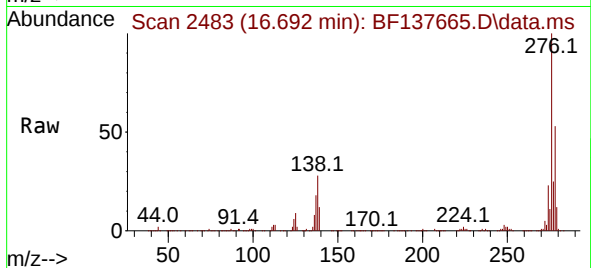
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.114 ng  
RT: 16.692 min Scan# 2483  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :

BNA\_F

ClientSampleId :

TRENCH-PITMSD



Tgt Ion:276 Resp: 773460  
Ion Ratio Lower Upper  
276 100  
138 29.1 25.8 38.8  
277 25.3 20.2 30.2

Manual Integrations

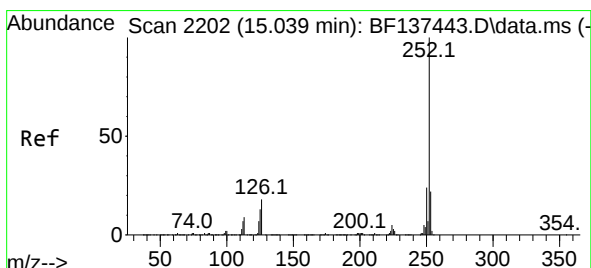
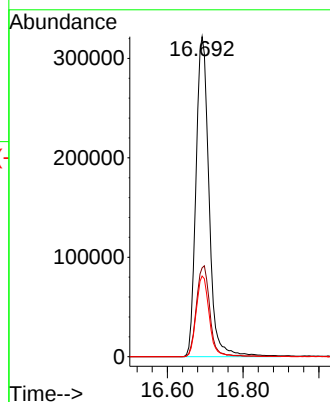
APPROVED

Reviewed By :Jagrut  
Upadhyay

03/22/2024

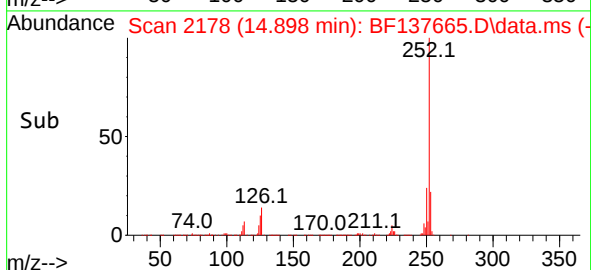
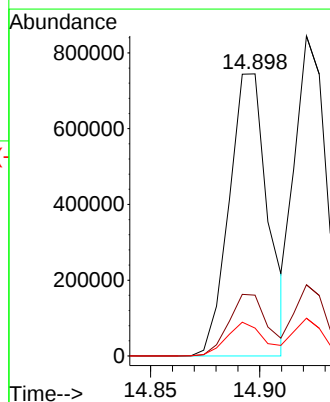
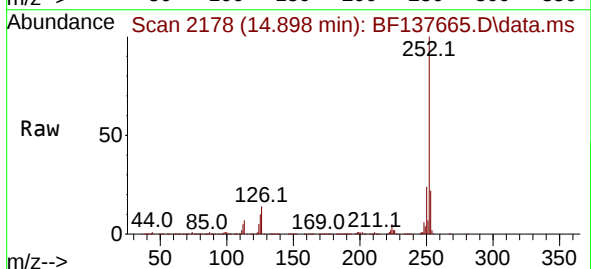
Supervised By :mohammad  
ahmed

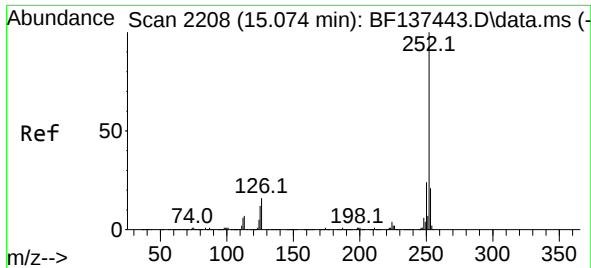
03/26/2024



#88  
Benzo(b)fluoranthene  
Concen: 53.370 ng m  
RT: 14.898 min Scan# 2178  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

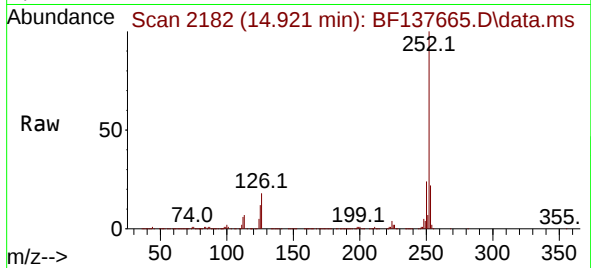
Tgt Ion:252 Resp: 925021  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.8 26.8  
125 9.9 10.1 15.1#





#89  
Benzo(k)fluoranthene  
Concen: 47.157 ng  
RT: 14.921 min Scan# 2118  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



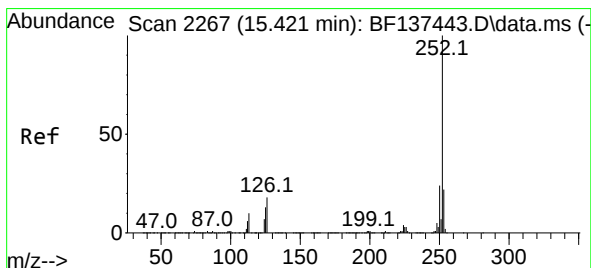
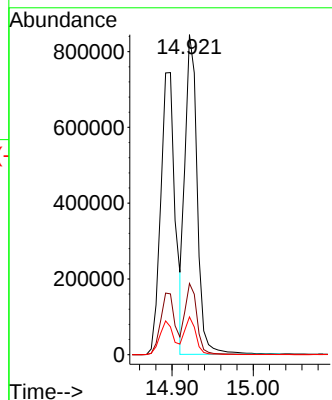
Tgt Ion:252 Resp: 877900  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 11.8 9.6 14.4

Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

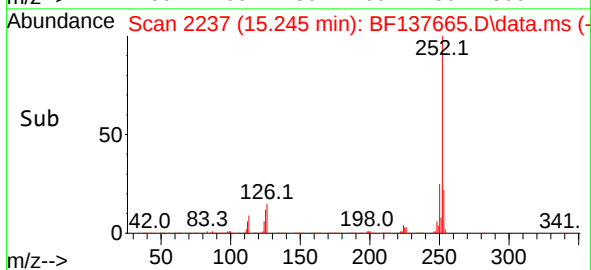
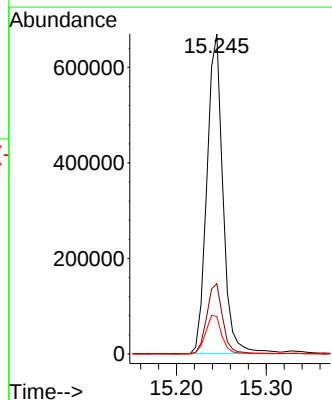
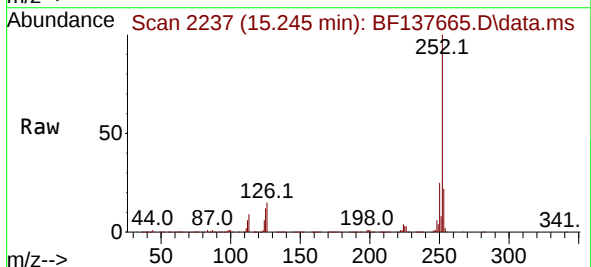
03/22/2024  
Supervised By :mohammad  
ahmed

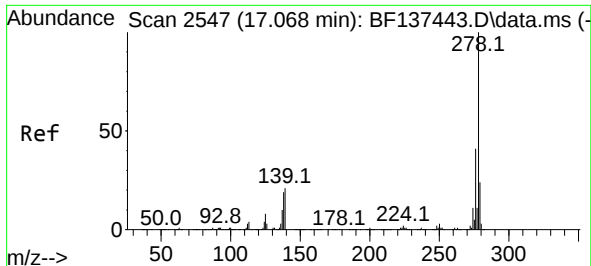
03/26/2024



#90  
Benzo(a)pyrene  
Concen: 48.592 ng  
RT: 15.245 min Scan# 2237  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

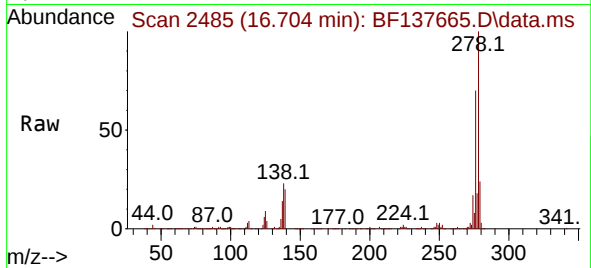
Tgt Ion:252 Resp: 829952  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 11.7 10.4 15.6





#91  
Dibenzo(a,h)anthracene  
Concen: 40.804 ng  
RT: 16.704 min Scan# 2485  
Delta R.T. 0.006 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Instrument :  
BNA\_F  
ClientSampleId :  
TRENCH-PITMSD



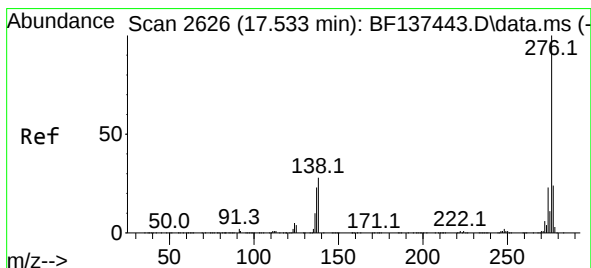
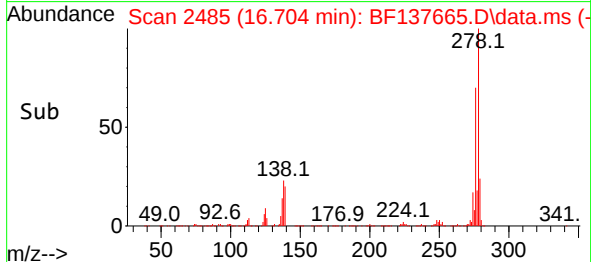
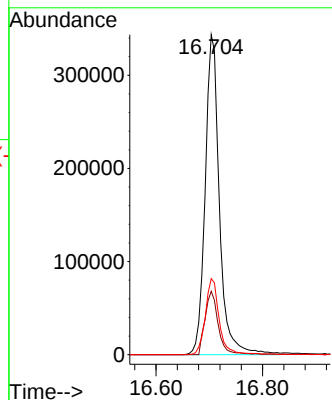
Tgt Ion:278 Resp: 63823  
Ion Ratio Lower Upper  
278 100  
139 19.8 17.0 25.6  
279 23.7 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Jagrut  
Upadhyay

03/22/2024  
Supervised By :mohammad  
ahmed

03/26/2024



#92  
Benzo(g,h,i)perylene  
Concen: 34.698 ng  
RT: 17.104 min Scan# 2553  
Delta R.T. -0.000 min  
Lab File: BF137665.D  
Acq: 21 Mar 2024 17:26

Tgt Ion:276 Resp: 557377  
Ion Ratio Lower Upper  
276 100  
277 22.5 19.0 28.4  
138 25.0 22.2 33.2

