

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101124\  
 Data File : BF139782.D  
 Acq On : 11 Oct 2024 18:39  
 Operator : RC/JU  
 Sample : P4377-01MS 5X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-100924MS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
 Supervised By :mohammad ahmed 10/15/2024

Quant Time: Oct 12 02:01:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 61500    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 198080   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 98766    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 198414   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 130018   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.510 | 264  | 101736   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 93042    | 26.222 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.498  | 99   | 110819   | 23.224 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 65830    | 16.826 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.692 | 330  | 23228    | 24.363 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 117692   | 18.294 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 152626   | 19.261 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.622  | 88   | 17313    | 11.286 | ng    | 96       |
| 3) Pyridine                   | 3.399  | 79   | 37155    | 9.959  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 25473    | 10.431 | ng    | # 99     |
| 6) Aniline                    | 6.528  | 93   | 26271    | 6.204  | ng    | # 81     |
| 8) 2-Chlorophenol             | 6.657  | 128  | 39428    | 10.372 | ng    | 96       |
| 9) Benzaldehyde               | 6.422  | 77   | 11554    | 4.571  | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 50722    | 10.109 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 42338    | 10.364 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 43399    | 10.148 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 44135    | 10.190 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 41020    | 10.105 | ng    | 97       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 32993    | 9.049  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.140  | 45   | 74162    | 10.486 | ng    | 96       |
| 17) 2-Methylphenol            | 7.122  | 107  | 30099    | 9.484  | ng    | 98       |
| 18) Hexachloroethane          | 7.375  | 117  | 11340    | 7.019  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.269  | 70   | 29328    | 9.560  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 39881    | 10.005 | ng    | # 87     |
| 22) Acetophenone              | 7.275  | 105  | 55383    | 11.779 | ng    | 92       |
| 24) Nitrobenzene              | 7.445  | 77   | 39557    | 9.764  | ng    | 97       |
| 25) Isophorone                | 7.687  | 82   | 76384    | 10.993 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 11786    | 6.767  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 25767    | 12.086 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 45993    | 11.084 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 26109    | 9.389  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 31357    | 9.971  | ng    | 98       |
| 31) Naphthalene               | 8.169  | 128  | 112598   | 11.118 | ng    | 99       |
| 32) Benzoic acid              | 7.892  | 122  | 13274m   | 6.261  | ng    |          |
| 33) 4-Chloroaniline           | 8.222  | 127  | 24210    | 7.062  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 21569    | 10.598 | ng    | 98       |
| 35) Caprolactam               | 8.563  | 113  | 8688     | 9.525  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 29269    | 9.298  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 68711    | 10.417 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 64586    | 10.017 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.028  | 216  | 31019    | 11.310 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 19480    | 10.536 | ng    | 99       |
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 19376    | 9.718  | ng    | 99       |

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Quant Time: Oct 12 02:01:06 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 02 04:58:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 82773    | 11.268 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 59593    | 10.821 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 24043    | 12.162 | ng    | 99       |
| 49) Acenaphthylene            | 9.763  | 152  | 101072   | 12.068 | ng    | 99       |
| 50) Dimethylphthalate         | 9.616  | 163  | 74343    | 11.499 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 11007    | 7.537  | ng    | 97       |
| 52) Acenaphthene              | 9.939  | 154  | 75930    | 13.207 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.857  | 138  | 16643    | 11.151 | ng    | 95       |
| 55) Dibenzofuran              | 10.110 | 168  | 98615    | 12.250 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 20150    | 17.704 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 14180    | 7.428  | ng    | # 96     |
| 58) Fluorene                  | 10.451 | 166  | 88959    | 13.875 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 17537    | 10.890 | ng    | 97       |
| 60) Diethylphthalate          | 10.316 | 149  | 77861    | 11.659 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 35736    | 11.141 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 21459    | 14.056 | ng    | 97       |
| 63) Azobenzene                | 10.604 | 77   | 75015    | 11.170 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.557 | 169  | 62121    | 10.622 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 20677    | 10.164 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 22244    | 9.854  | ng    | 98       |
| 69) Atrazine                  | 11.086 | 200  | 21126    | 13.463 | ng    | 99       |
| 70) Pentachlorophenol         | 11.198 | 266  | 20067    | 14.929 | ng    | 95       |
| 71) Phenanthrene              | 11.416 | 178  | 315744   | 33.750 | ng    | 100      |
| 72) Anthracene                | 11.469 | 178  | 173261   | 18.720 | ng    | 98       |
| 73) Carbazole                 | 11.627 | 167  | 132202   | 14.872 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 128991   | 11.933 | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 620316   | 60.656 | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 31845    | 13.886 | ng    | 96       |
| 78) Pyrene                    | 12.839 | 202  | 566148   | 48.685 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 58955    | 14.174 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 301821   | 35.308 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 23610    | 9.025  | ng    | 97       |
| 83) Chrysene                  | 14.063 | 228  | 246304   | 31.516 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 84637    | 16.295 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 120115   | 15.741 | ng    | # 97     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.992 | 276  | 119217   | 19.909 | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 241033m  | 36.642 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 113174m  | 20.282 | ng    |          |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 172139   | 33.188 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.004 | 278  | 64518    | 12.991 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 99520    | 19.980 | ng    | 98       |

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





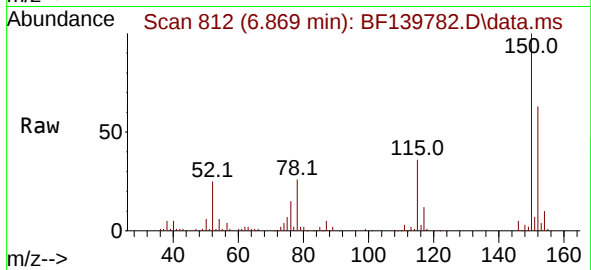
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
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HD-01-100924MS

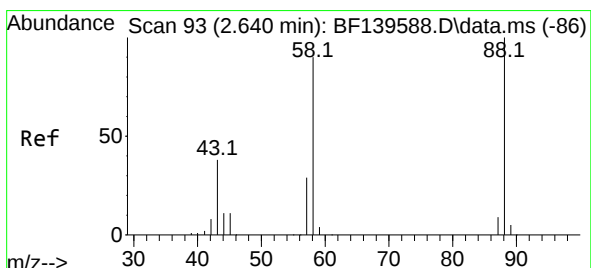
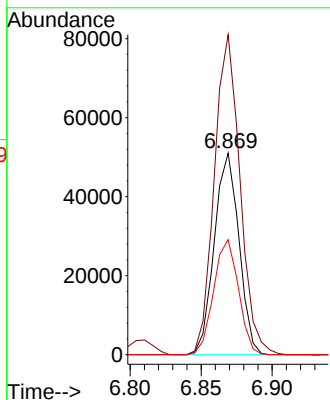
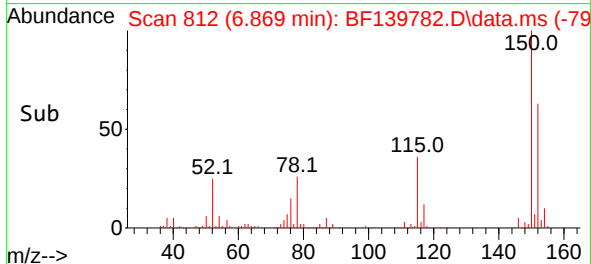


Tgt Ion:152 Resp: 61500  
Ion Ratio Lower Upper  
152 100  
150 158.7 127.2 190.8  
115 57.1 49.0 73.4

Manual Integrations

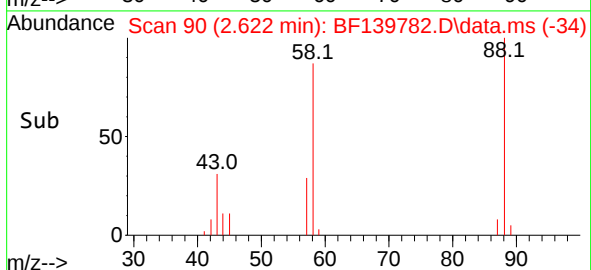
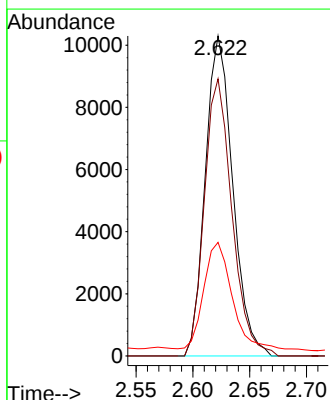
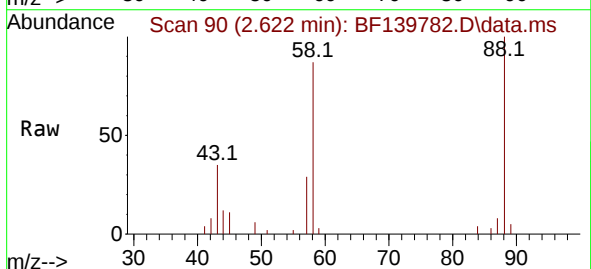
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#2  
1,4-Dioxane  
Concen: 11.286 ng  
RT: 2.622 min Scan# 90  
Delta R.T. -0.018 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion: 88 Resp: 17313  
Ion Ratio Lower Upper  
88 100  
58 87.0 72.0 108.0  
43 35.8 30.8 46.2





#3

Pyridine

Concen: 9.959 ng

RT: 3.399 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

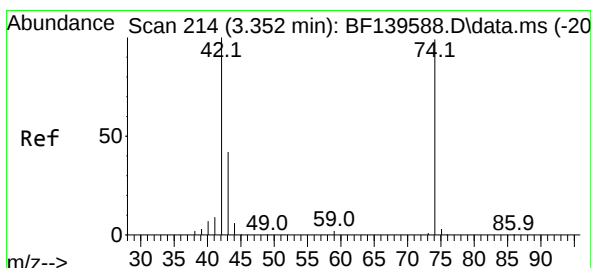
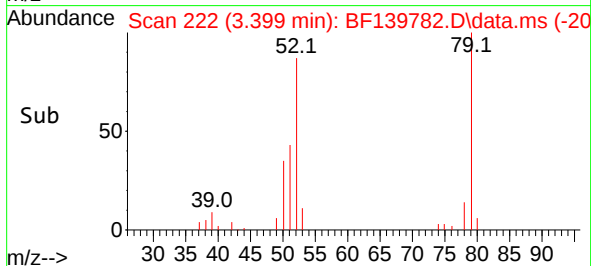
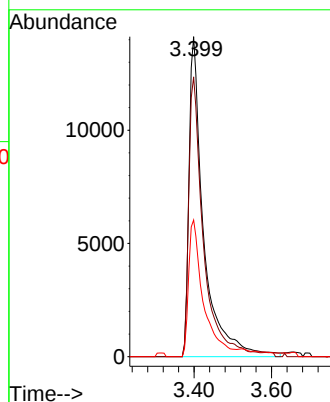
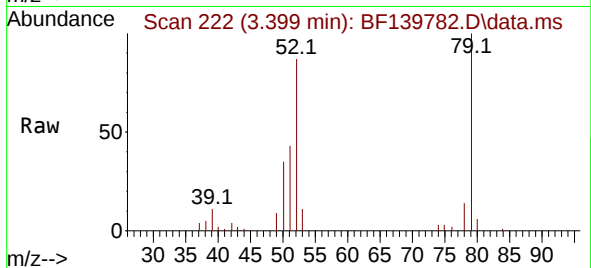
HD-01-100924MS

|             |             |
|-------------|-------------|
| Tgt Ion: 79 | Resp: 3715  |
| Ion Ratio   | Lower Upper |
| 79 100      |             |
| 52 87.4     | 72.6 109.0  |
| 51 42.7     | 37.5 56.3   |

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 10.431 ng

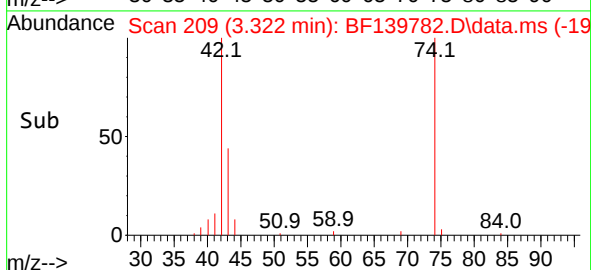
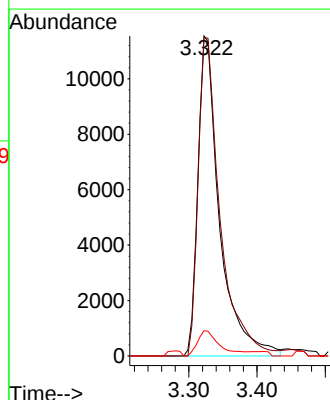
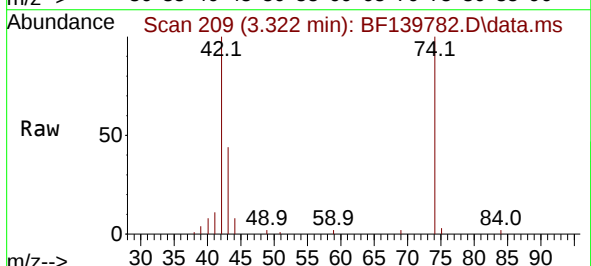
RT: 3.322 min Scan# 209

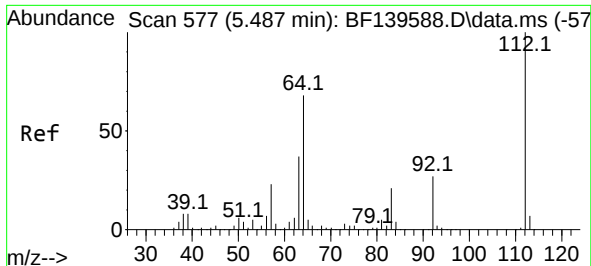
Delta R.T. -0.030 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

|             |             |
|-------------|-------------|
| Tgt Ion: 42 | Resp: 25473 |
| Ion Ratio   | Lower Upper |
| 42 100      |             |
| 74 99.6     | 79.0 118.6  |
| 44 7.9      | 5.2 7.8     |





#5  
2-Fluorophenol  
Concen: 26.222 ng  
RT: 5.487 min Scan# 511  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

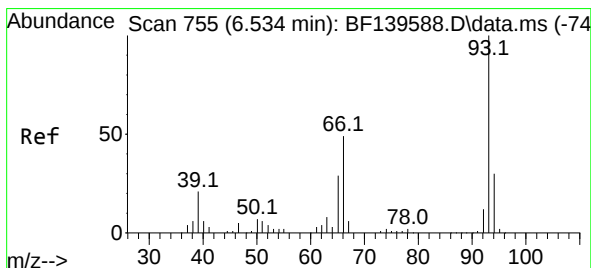
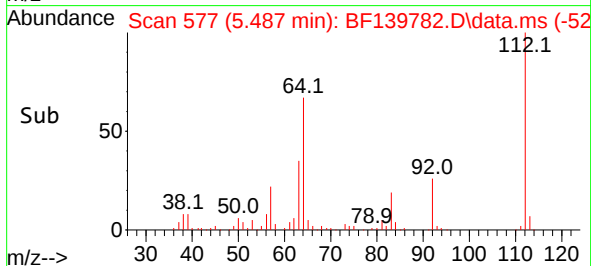
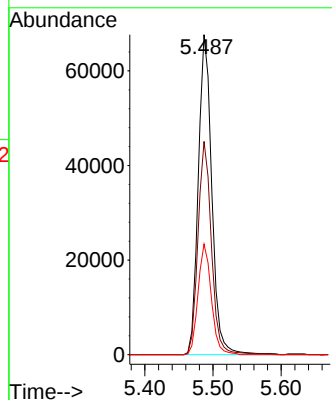
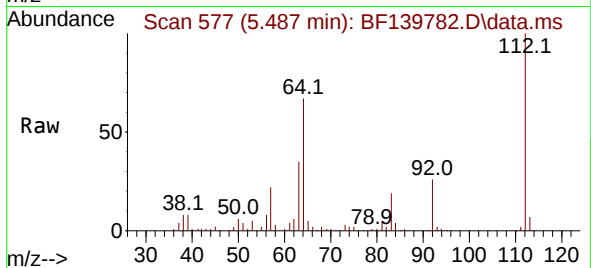
HD-01-100924MS

Tgt Ion:112 Resp: 9304  
Ion Ratio Lower Upper  
112 100  
64 66.6 54.2 81.4  
63 34.6 29.4 44.2

Manual Integrations

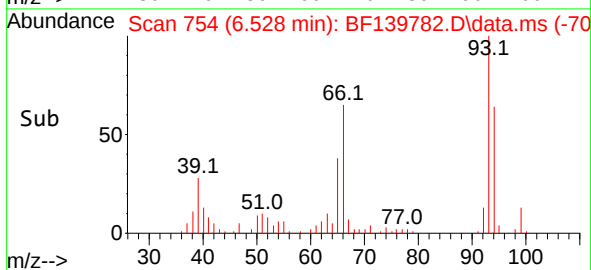
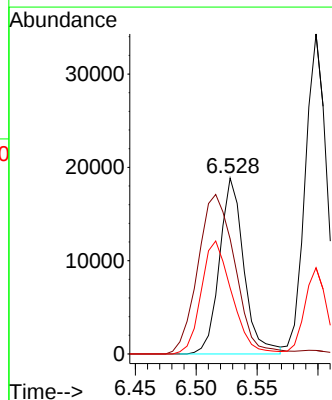
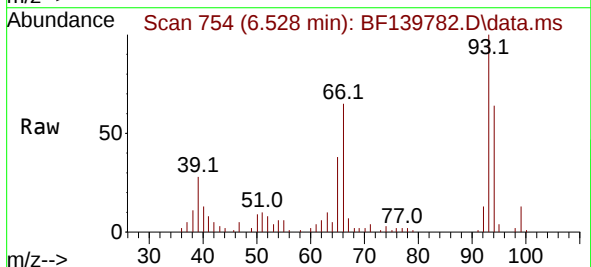
APPROVED

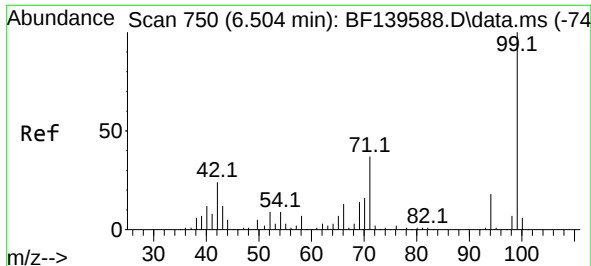
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#6  
Aniline  
Concen: 6.204 ng  
RT: 6.528 min Scan# 754  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
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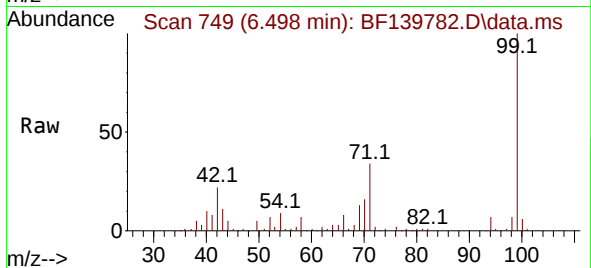
Tgt Ion: 93 Resp: 26271  
Ion Ratio Lower Upper  
93 100  
66 65.5 40.9 61.3#  
65 37.6 23.3 34.9#





#7  
Phenol-d6  
Concen: 23.224 ng  
RT: 6.498 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

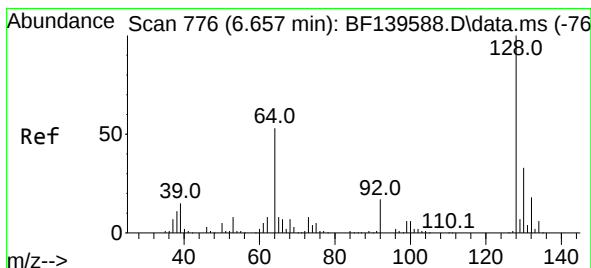
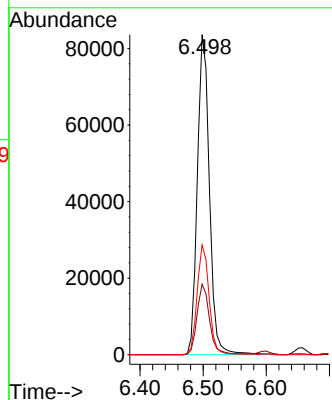
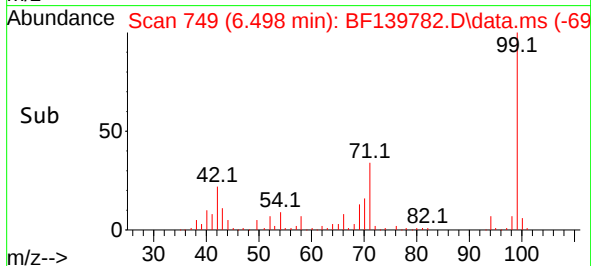
Instrument :  
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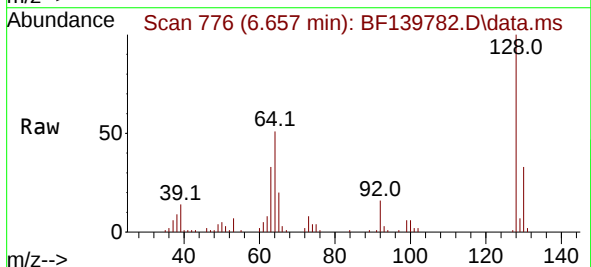
Tgt Ion: 99 Resp: 110819  
Ion Ratio Lower Upper  
99 100  
42 22.0 19.1 28.7  
71 34.3 29.7 44.5

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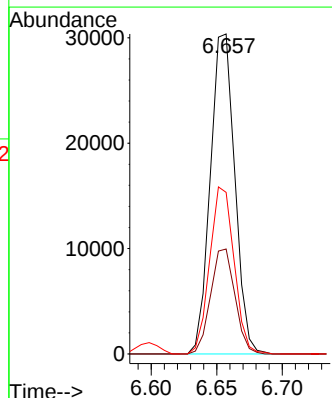
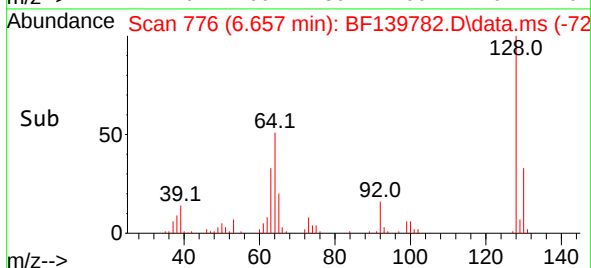
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#8  
2-Chlorophenol  
Concen: 10.372 ng  
RT: 6.657 min Scan# 776  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



Tgt Ion:128 Resp: 39428  
Ion Ratio Lower Upper  
128 100  
130 32.8 13.2 53.2  
64 50.5 35.1 75.1





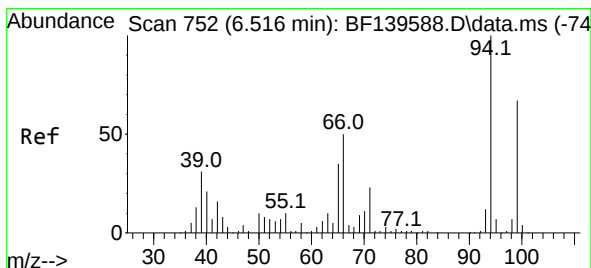
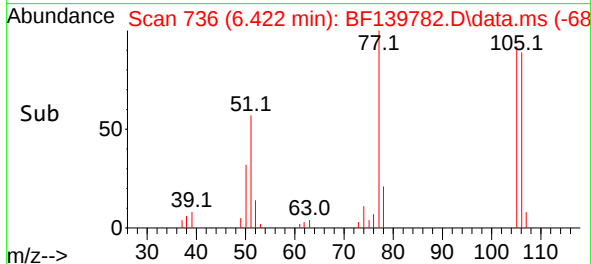
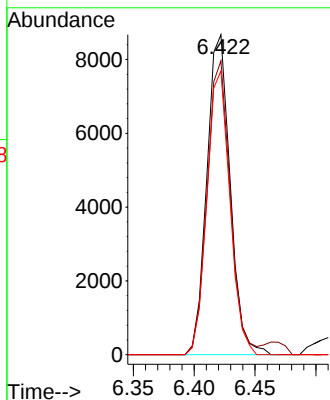
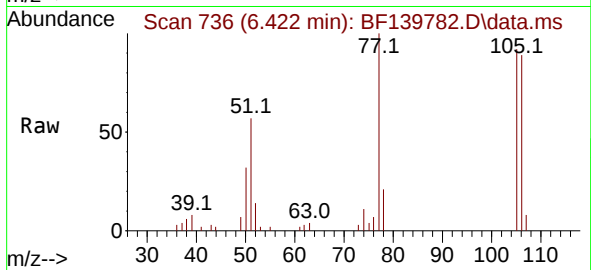
#9  
Benzaldehyde  
Concen: 4.571 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion: 77 Resp: 11554  
Ion Ratio Lower Upper  
77 100  
105 91.9 72.7 112.7  
106 88.7 70.1 110.1

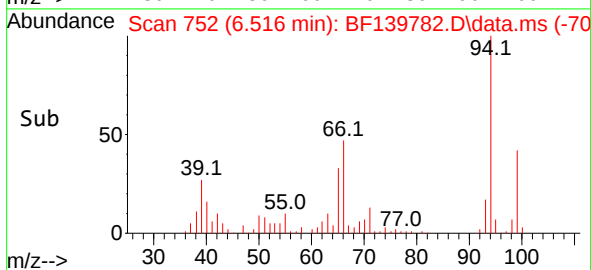
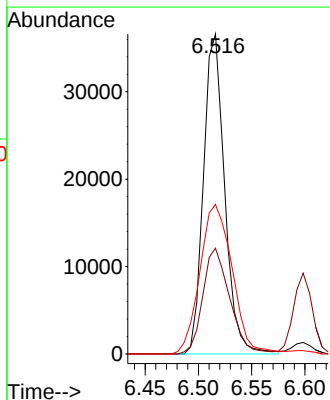
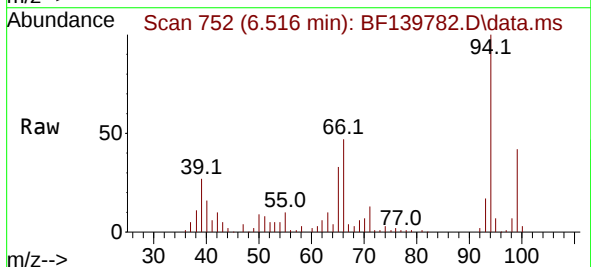
Manual Integrations  
APPROVED

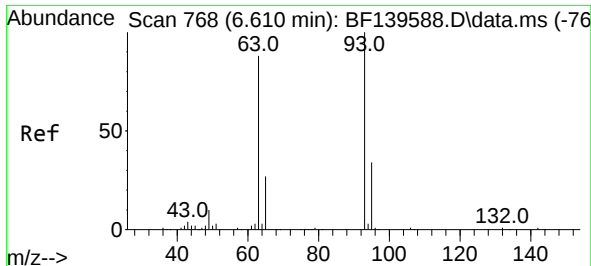
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#10  
Phenol  
Concen: 10.109 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion: 94 Resp: 50722  
Ion Ratio Lower Upper  
94 100  
65 33.1 15.3 55.3  
66 46.7 30.5 70.5





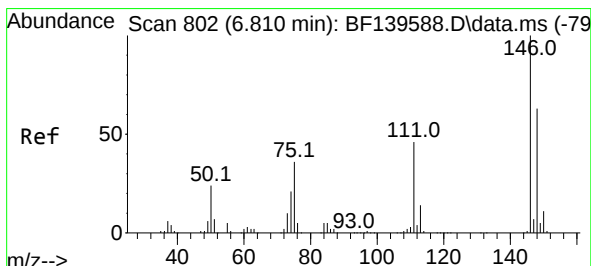
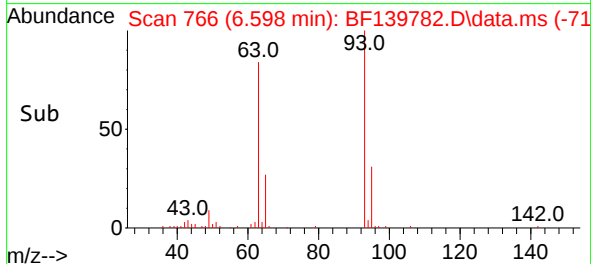
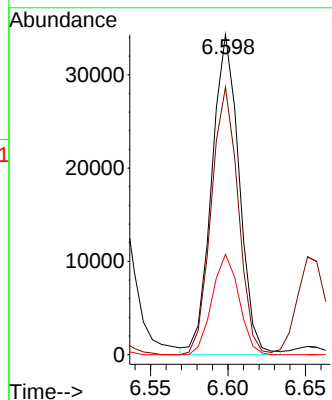
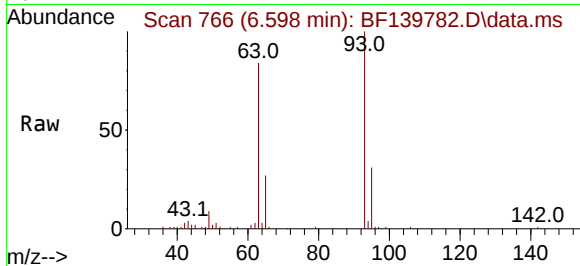
#11  
bis(2-Chloroethyl)ether  
Concen: 10.364 ng  
RT: 6.598 min Scan# 766  
Delta R.T. -0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion: 93 Resp: 42338  
Ion Ratio Lower Upper  
93 100  
63 83.6 64.1 104.1  
95 31.3 12.3 52.3

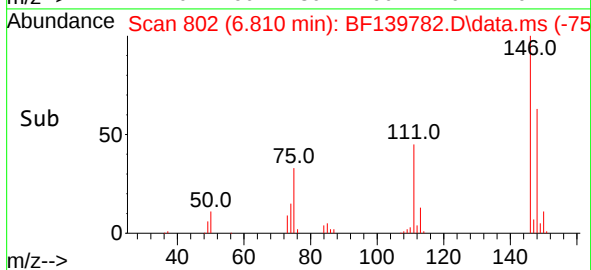
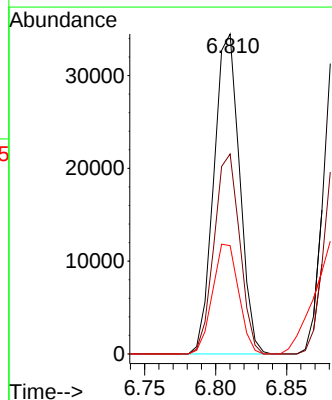
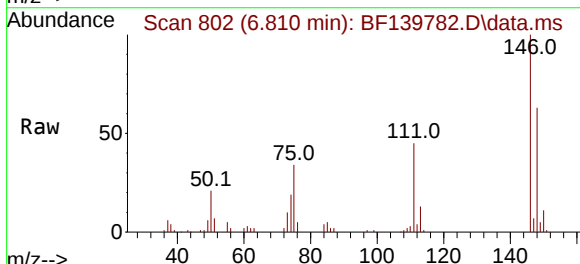
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#12  
1,3-Dichlorobenzene  
Concen: 10.148 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:146 Resp: 43399  
Ion Ratio Lower Upper  
146 100  
148 62.5 50.2 75.4  
75 33.9 28.5 42.7





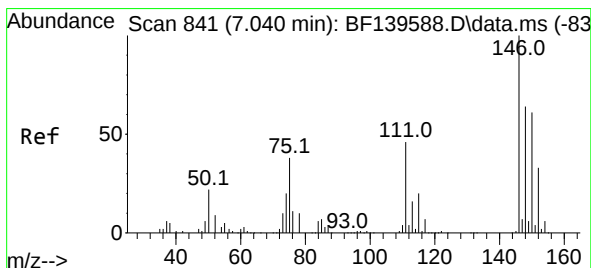
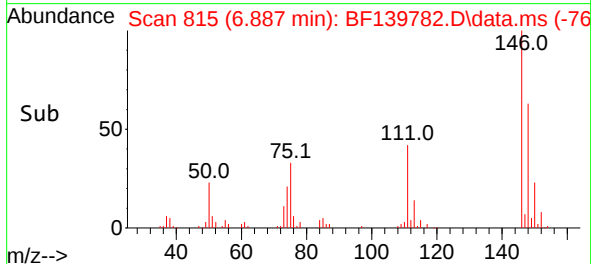
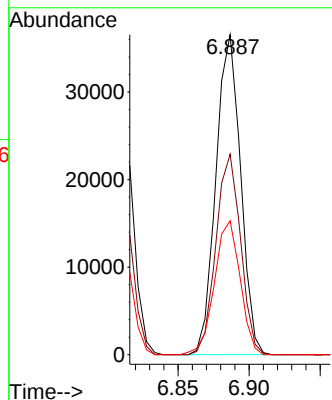
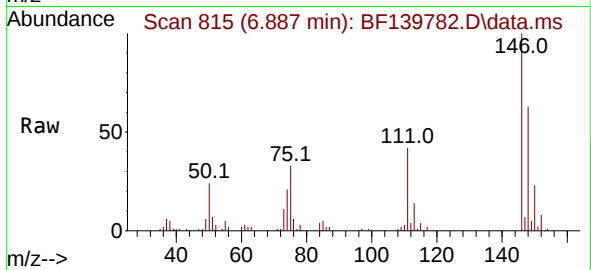
#13  
1,4-Dichlorobenzene  
Concen: 10.190 ng  
RT: 6.887 min Scan# 815  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:146 Resp: 4413  
Ion Ratio Lower Upper  
146 100  
148 62.6 51.0 76.6  
111 41.8 34.9 52.3

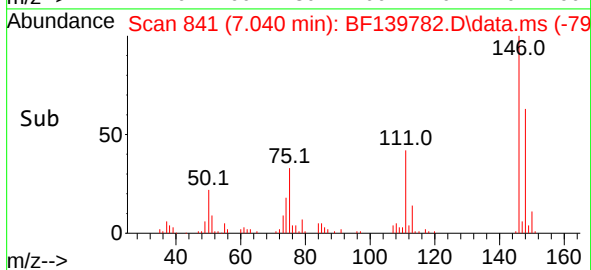
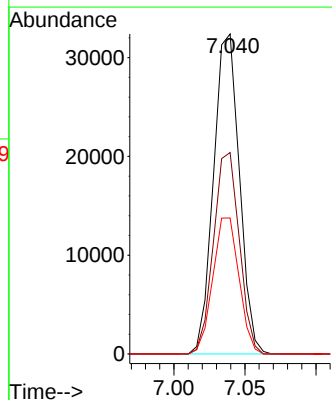
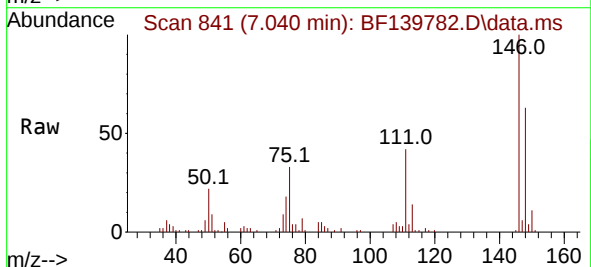
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#14  
1,2-Dichlorobenzene  
Concen: 10.105 ng  
RT: 7.040 min Scan# 841  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

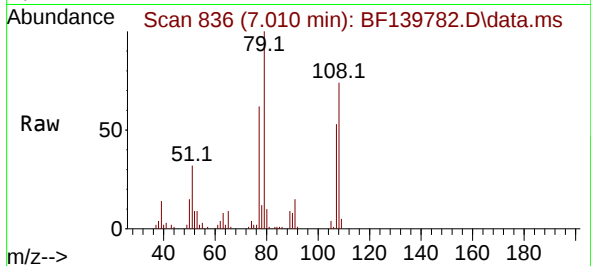
Tgt Ion:146 Resp: 41020  
Ion Ratio Lower Upper  
146 100  
148 63.0 51.2 76.8  
111 42.5 37.0 55.6





#15  
Benzyl Alcohol  
Concen: 9.049 ng  
RT: 7.010 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

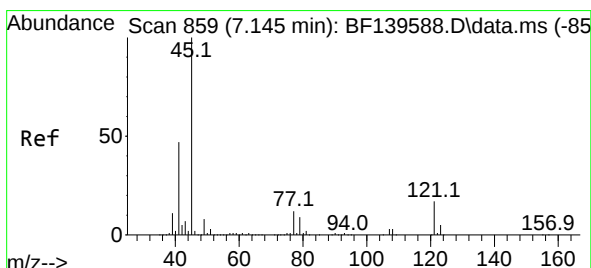
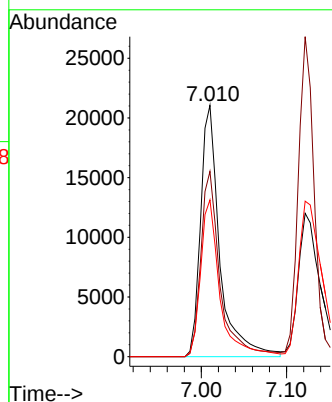
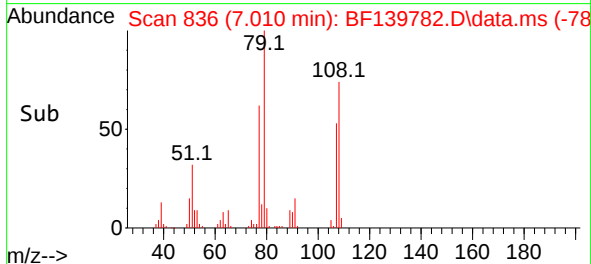
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



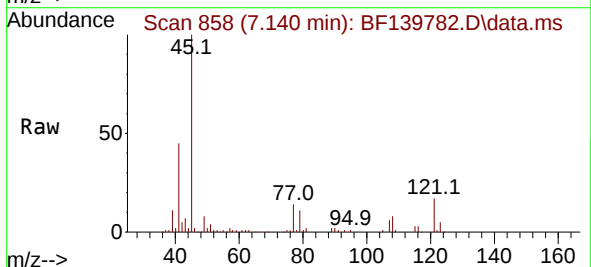
Tgt Ion: 79 Resp: 3299  
Ion Ratio Lower Upper  
79 100  
108 73.7 55.1 82.7  
77 62.4 50.8 76.2

Manual Integrations  
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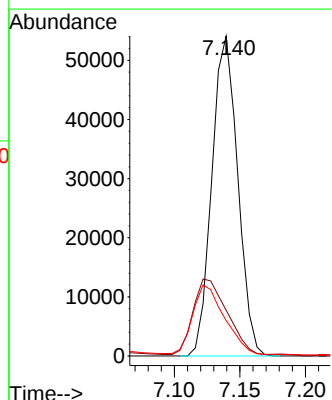
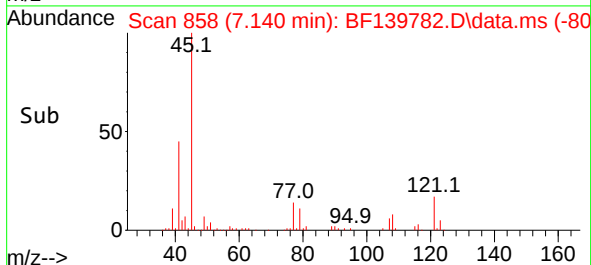
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

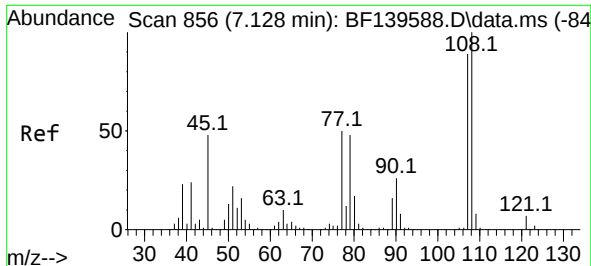


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 10.486 ng  
RT: 7.140 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



Tgt Ion: 45 Resp: 74162  
Ion Ratio Lower Upper  
45 100  
77 14.3 0.0 32.5  
79 11.1 0.0 29.7





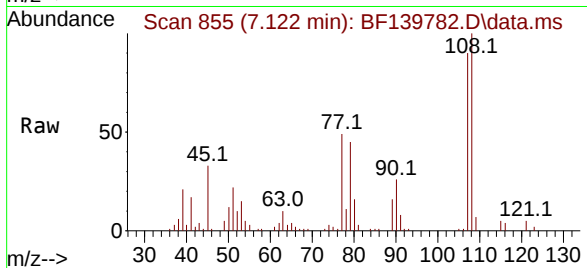
#17  
2-Methylphenol  
Concen: 9.484 ng  
RT: 7.122 min Scan# 855  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

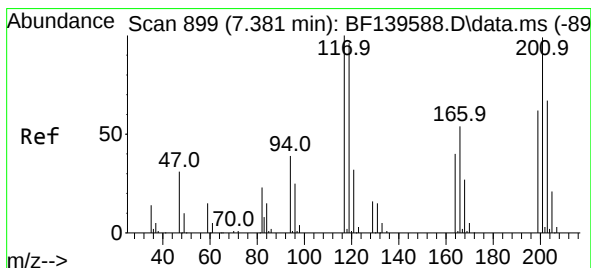
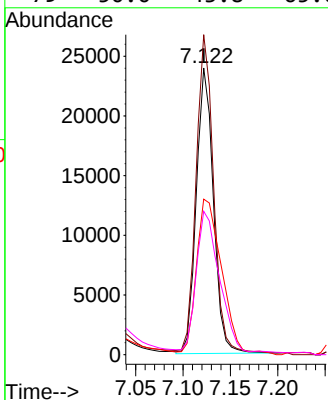
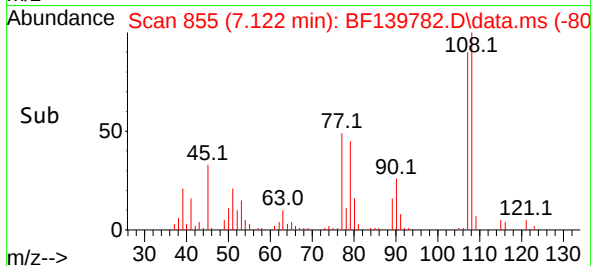


Tgt Ion:107 Resp: 30095  
Ion Ratio Lower Upper  
107 100  
108 111.6 89.8 134.6  
77 54.3 44.6 67.0  
79 50.0 43.8 65.6

Manual Integrations

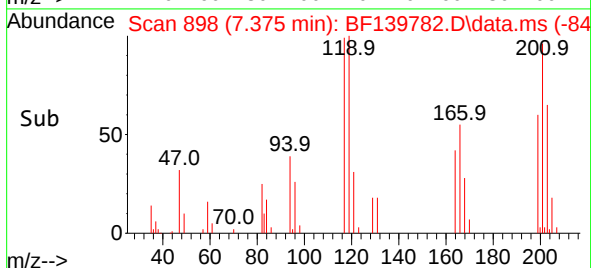
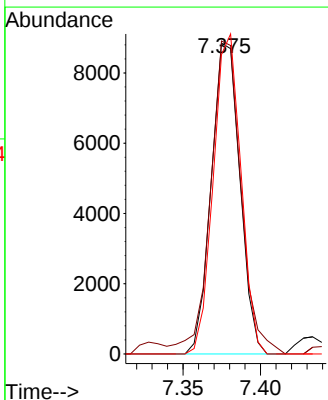
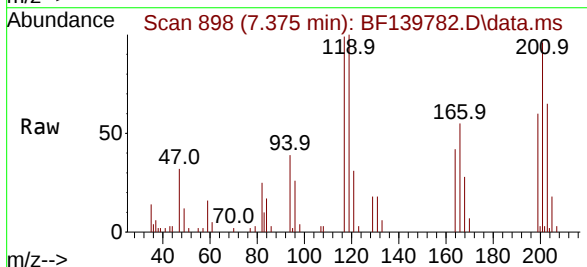
APPROVED

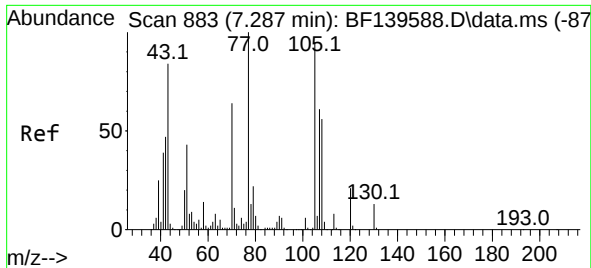
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#18  
Hexachloroethane  
Concen: 7.019 ng  
RT: 7.375 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:117 Resp: 11340  
Ion Ratio Lower Upper  
117 100  
119 100.7 77.0 115.6  
201 96.3 79.2 118.8





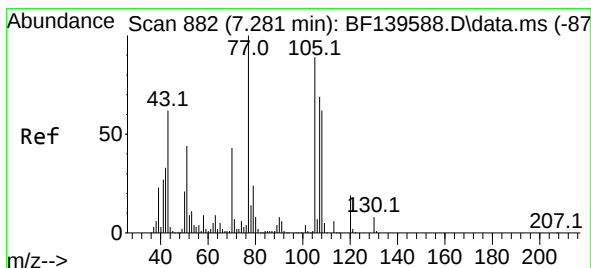
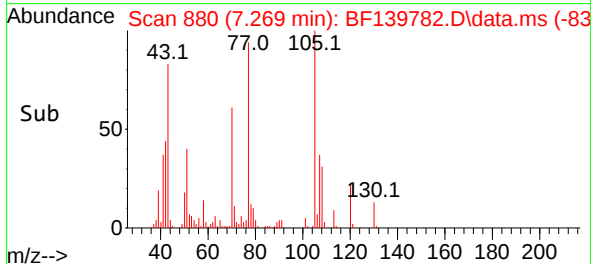
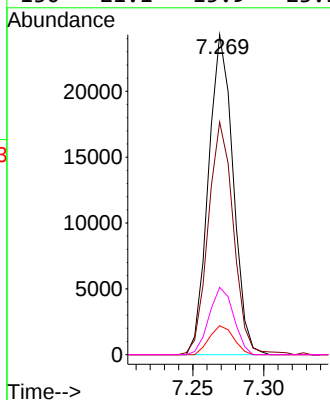
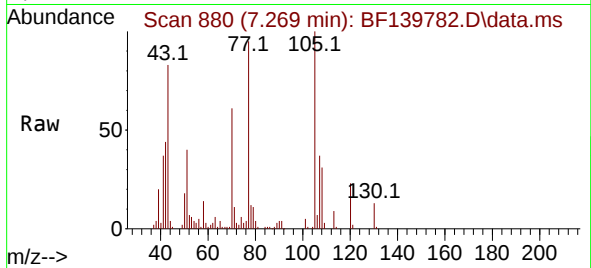
#19  
n-Nitroso-di-n-propylamine  
Concen: 9.560 ng  
RT: 7.269 min Scan# 883  
Delta R.T. -0.018 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

|             |             |
|-------------|-------------|
| Tgt Ion: 70 | Resp: 29328 |
| Ion Ratio   | Lower Upper |
| 70 100      |             |
| 42 72.7     | 58.0 87.0   |
| 101 9.1     | 7.8 11.8    |
| 130 21.1    | 15.9 23.9   |

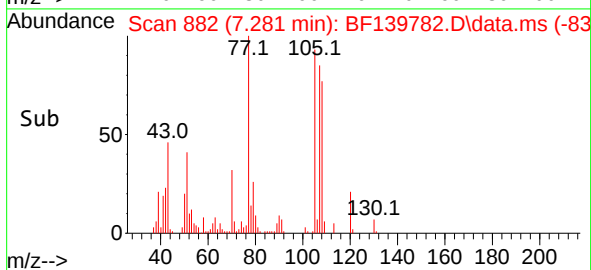
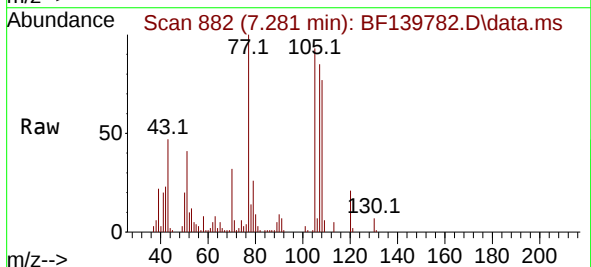
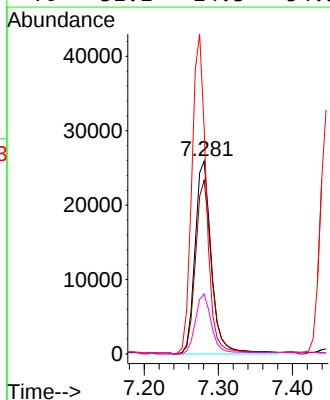
Manual Integrations  
APPROVED

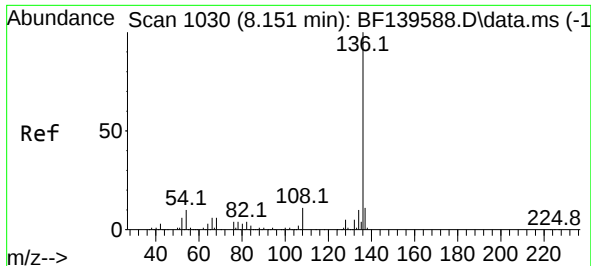
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#20  
3+4-Methylphenols  
Concen: 10.005 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:107 | Resp: | 39881  |
| Ion | Ratio   | Lower | Upper  |
| 107 | 100     |       |        |
| 108 | 90.1    | 70.2  | 110.2  |
| 77  | 117.3   | 125.3 | 165.3# |
| 79  | 31.1    | 14.3  | 54.3   |





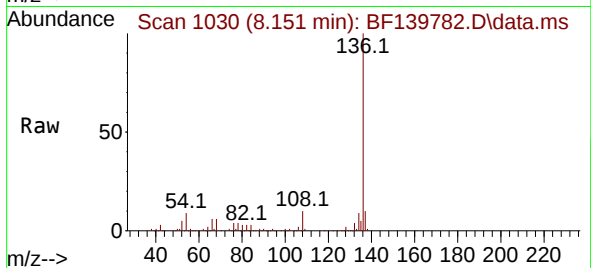
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

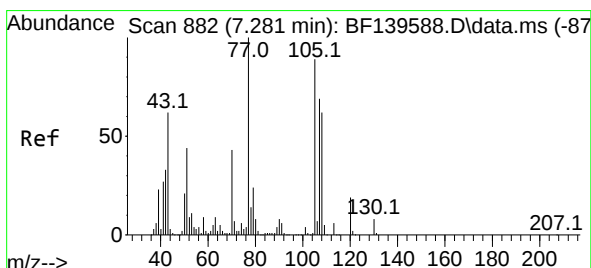
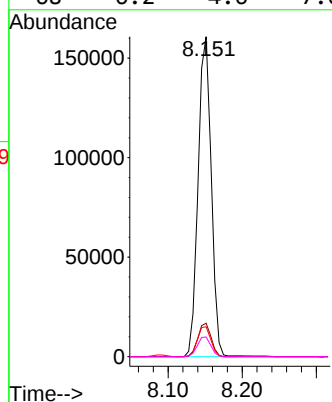
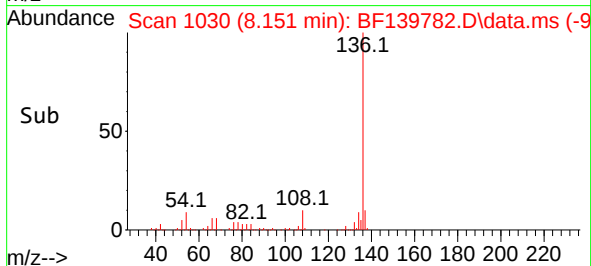


Tgt Ion:136 Resp: 198080  
Ion Ratio Lower Upper  
136 100  
137 10.5 8.6 13.0  
54 9.4 8.3 12.5  
68 6.2 4.6 7.0

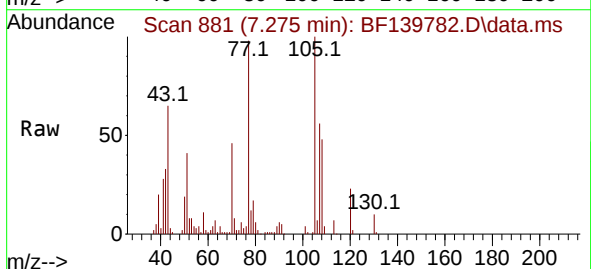
Manual Integrations

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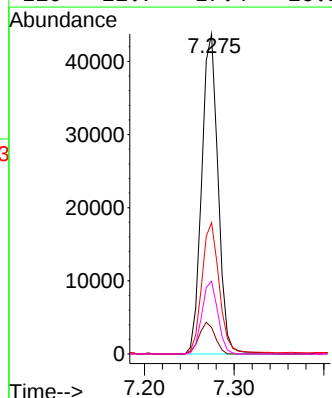
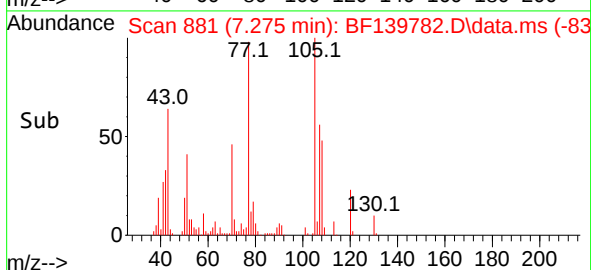
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

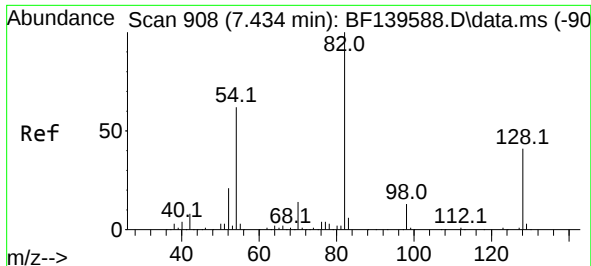


#22  
Acetophenone  
Concen: 11.779 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



Tgt Ion:105 Resp: 55383  
Ion Ratio Lower Upper  
105 100  
71 8.3 6.6 10.0  
51 41.0 39.4 59.0  
120 22.7 17.4 26.2





#23

Nitrobenzene-d5

Concen: 16.826 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

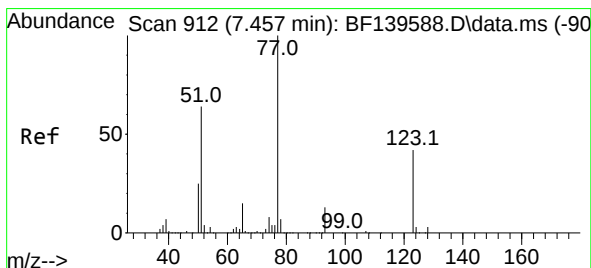
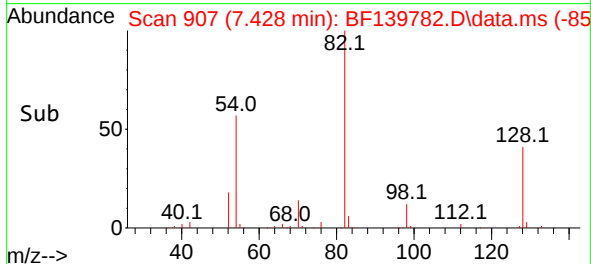
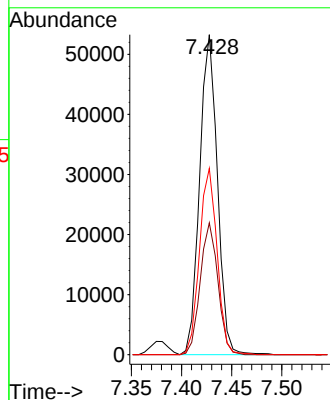
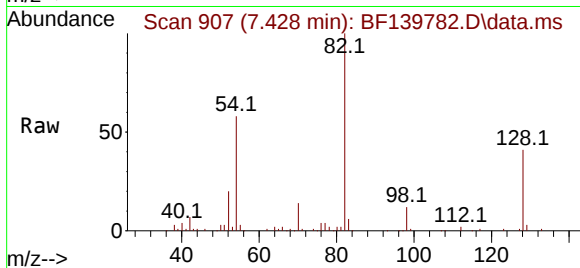
HD-01-100924MS

|             |                |
|-------------|----------------|
| Tgt Ion: 82 | Resp: 65830    |
| Ion Ratio   | Lower Upper    |
| 82          | 100            |
| 128         | 41.2 32.4 48.6 |
| 54          | 58.2 49.1 73.7 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#24

Nitrobenzene

Concen: 9.764 ng

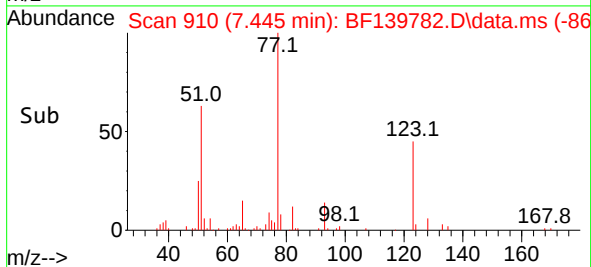
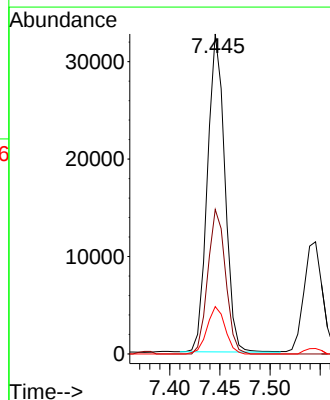
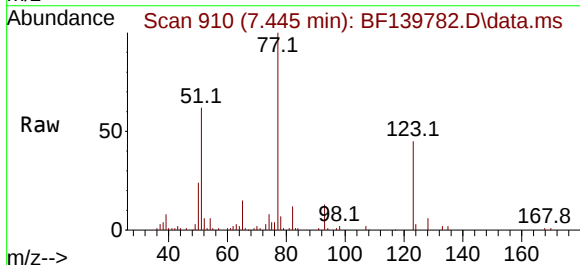
RT: 7.445 min Scan# 910

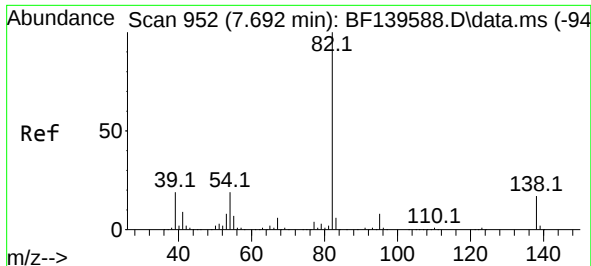
Delta R.T. -0.012 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

|             |                |
|-------------|----------------|
| Tgt Ion: 77 | Resp: 39557    |
| Ion Ratio   | Lower Upper    |
| 77          | 100            |
| 123         | 45.1 34.2 51.4 |
| 65          | 14.8 12.1 18.1 |





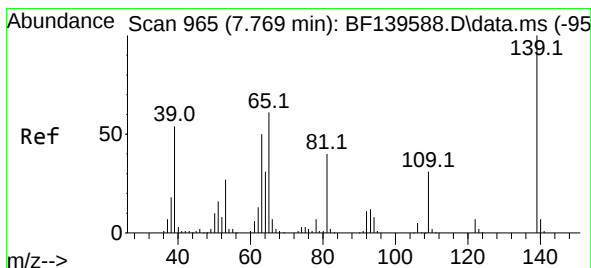
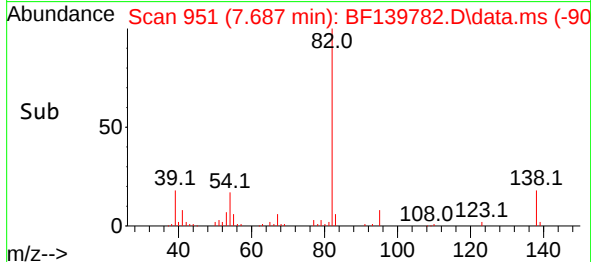
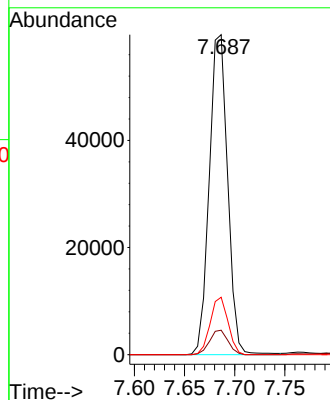
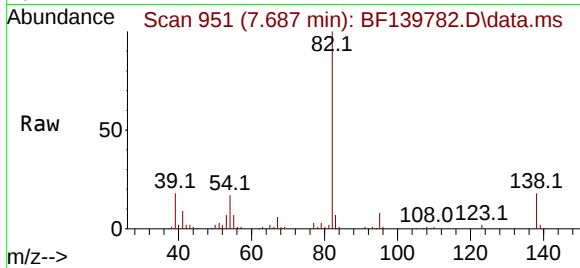
#25  
Isophorone  
Concen: 10.993 ng  
RT: 7.687 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion: 82 Resp: 76384  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.1 9.1  
138 18.0 13.4 20.2

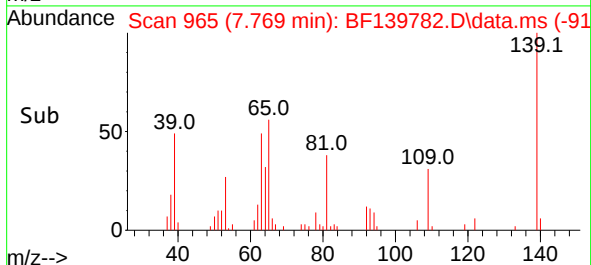
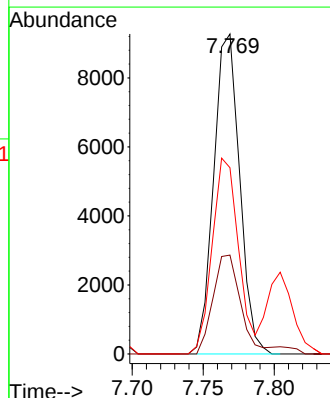
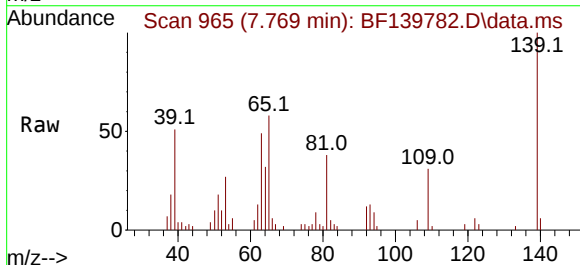
Manual Integrations  
APPROVED

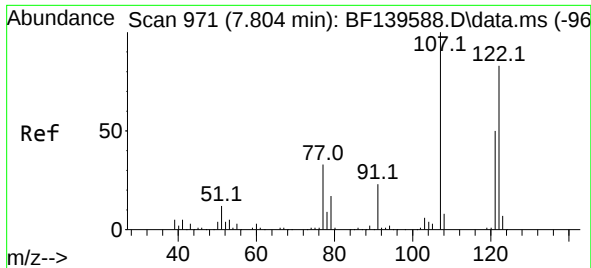
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#26  
2-Nitrophenol  
Concen: 6.767 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:139 Resp: 11786  
Ion Ratio Lower Upper  
139 100  
109 30.9 24.9 37.3  
65 58.2 48.6 72.8





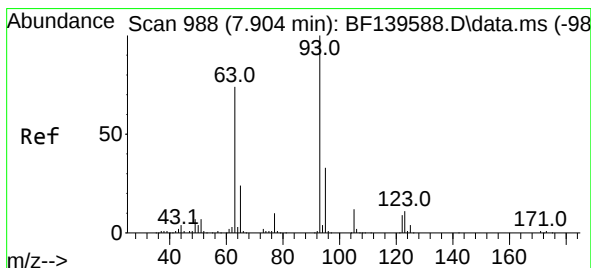
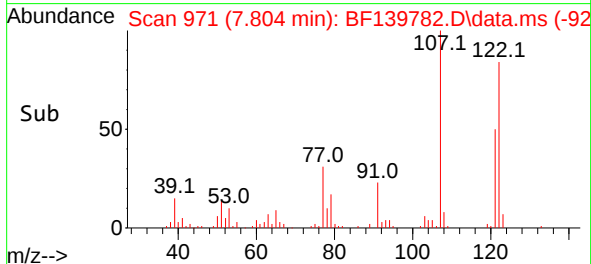
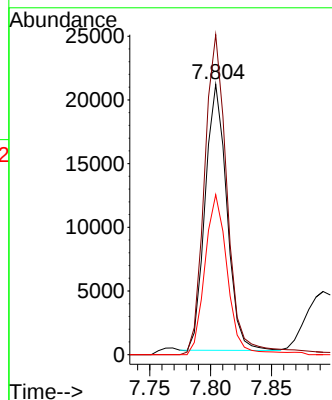
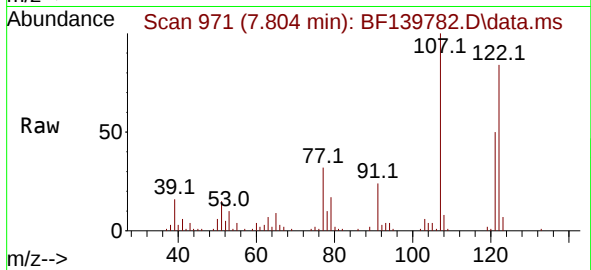
#27  
2,4-Dimethylphenol  
Concen: 12.086 ng  
RT: 7.804 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:122 Resp: 2576  
Ion Ratio Lower Upper  
122 100  
107 118.4 95.4 143.0  
121 59.2 47.4 71.2

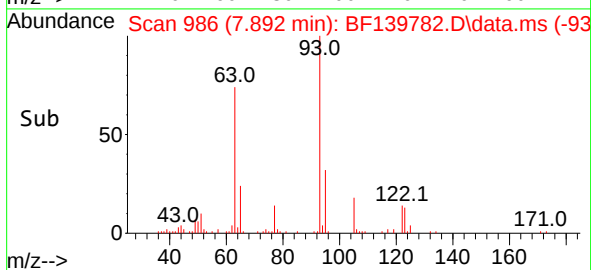
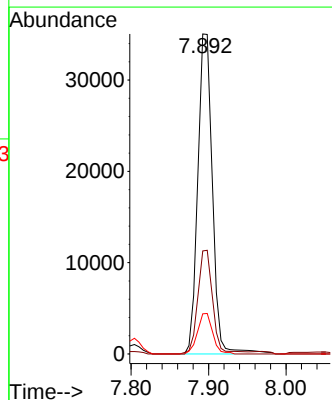
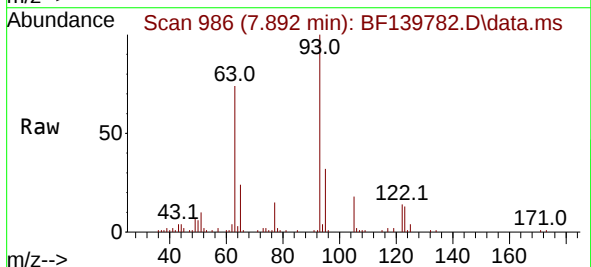
Manual Integrations  
APPROVED

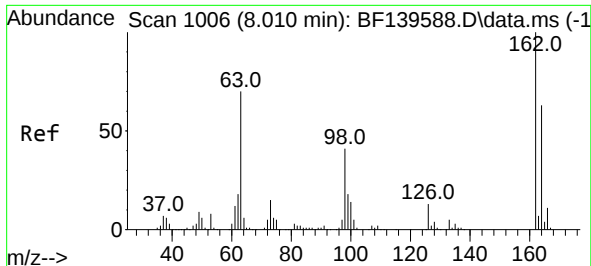
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 11.084 ng  
RT: 7.892 min Scan# 986  
Delta R.T. -0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion: 93 Resp: 45993  
Ion Ratio Lower Upper  
93 100  
95 32.2 26.5 39.7  
123 12.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 9.389 ng

RT: 8.016 min Scan# 1006

Delta R.T. 0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

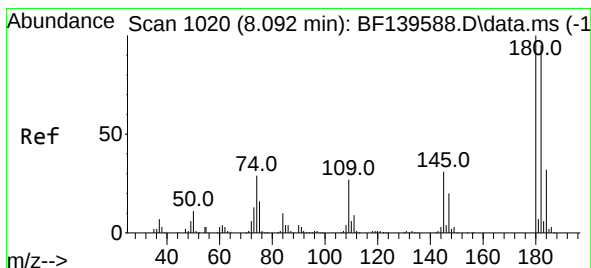
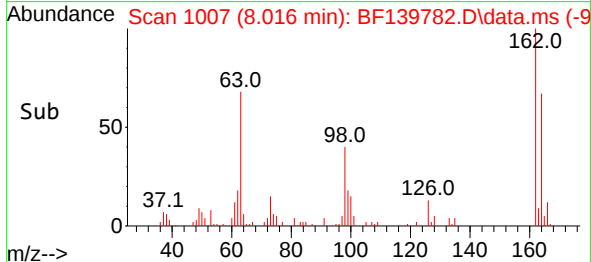
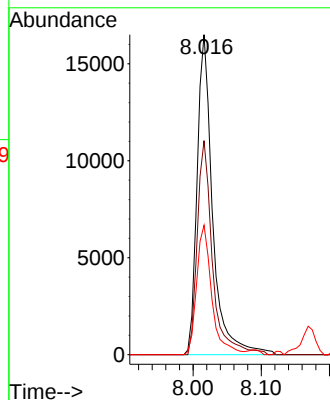
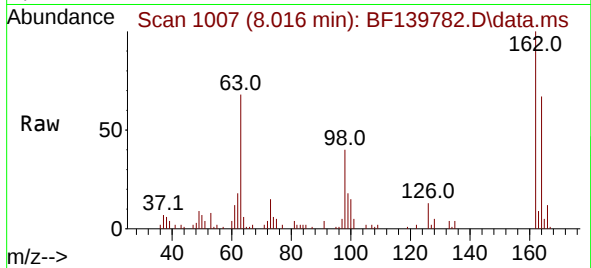
HD-01-100924MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 26109 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 66.9  | 43.1  | 83.1  |
| 98        | 40.5  | 20.8  | 60.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#30

1,2,4-Trichlorobenzene

Concen: 9.971 ng

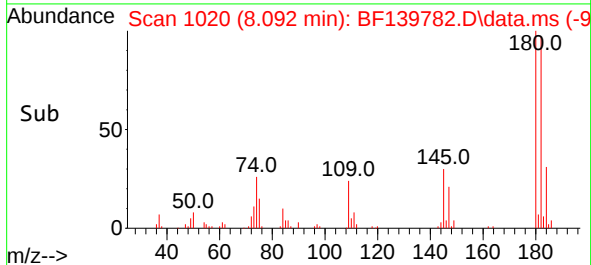
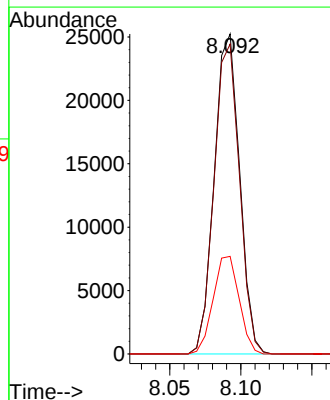
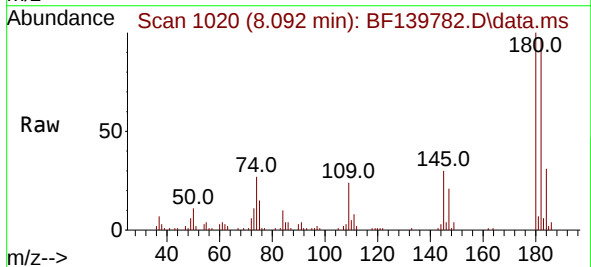
RT: 8.092 min Scan# 1020

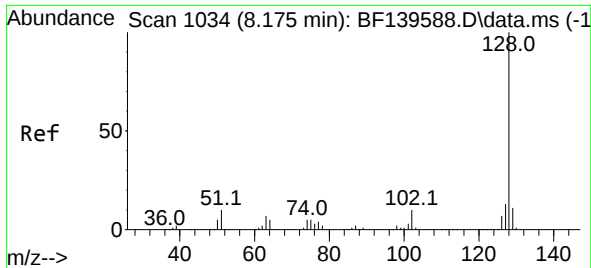
Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 31357 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 96.9  | 76.0  | 114.0 |
| 145       | 30.5  | 25.0  | 37.6  |





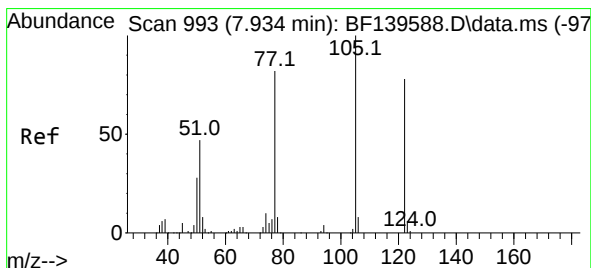
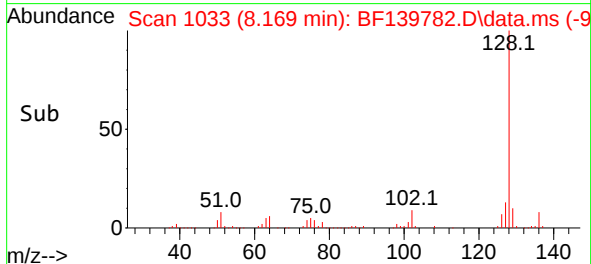
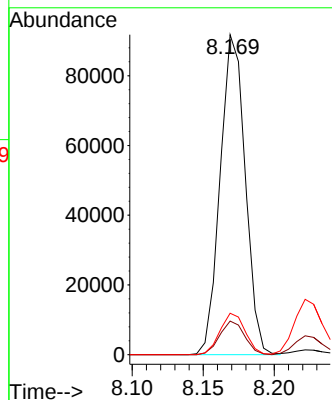
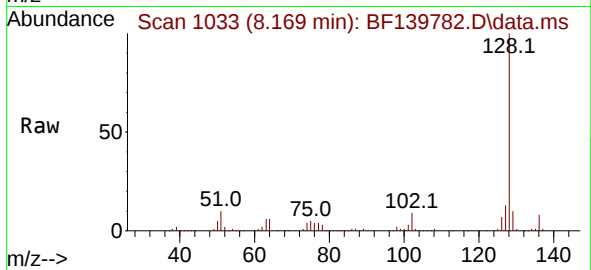
#31  
Naphthalene  
Concen: 11.118 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:128 Resp: 112598  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.8 13.2  
127 12.9 10.5 15.7

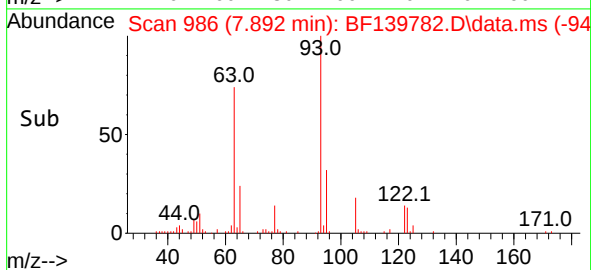
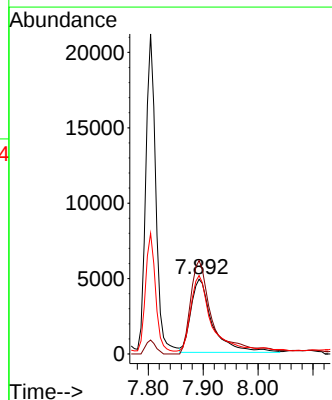
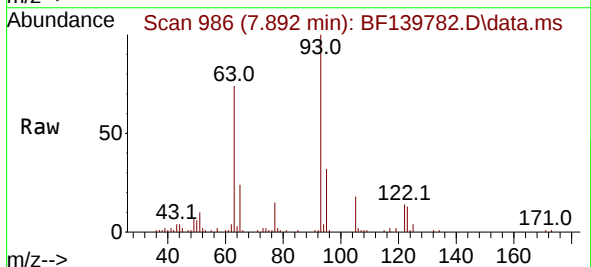
Manual Integrations  
APPROVED

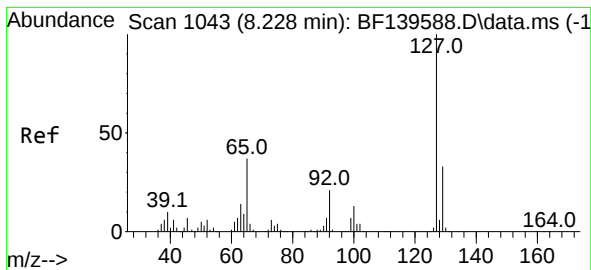
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#32  
Benzoic acid  
Concen: 6.261 ng m  
RT: 7.892 min Scan# 986  
Delta R.T. -0.041 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:122 Resp: 13274  
Ion Ratio Lower Upper  
122 100  
105 124.9 104.9 144.9  
77 104.9 82.7 122.7





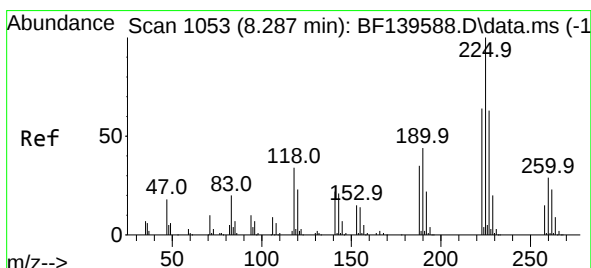
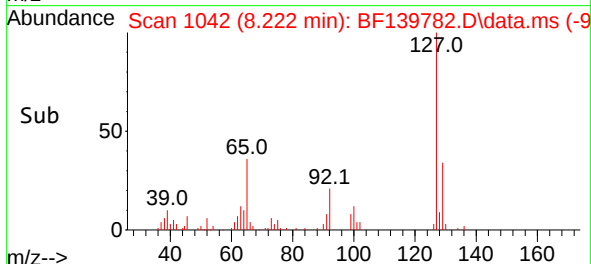
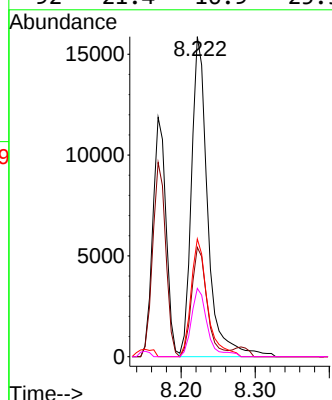
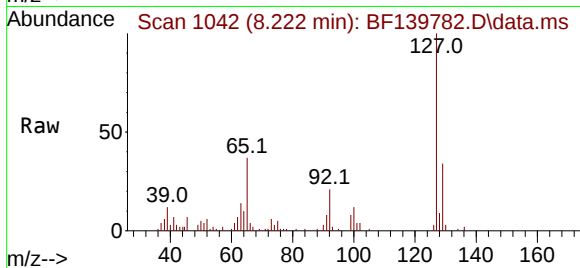
#33  
4-Chloroaniline  
Concen: 7.062 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 24210 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 34.2  | 26.2  | 39.4  |
| 65        | 36.8  | 29.3  | 43.9  |
| 92        | 21.4  | 16.9  | 25.3  |

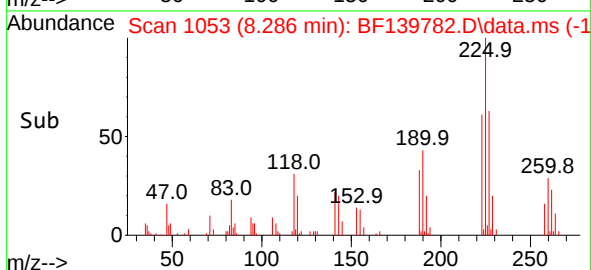
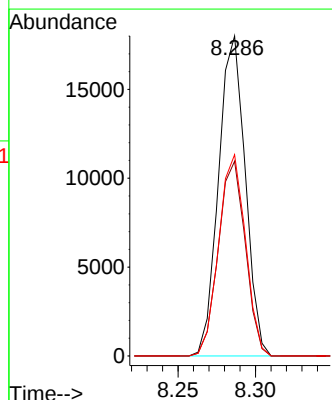
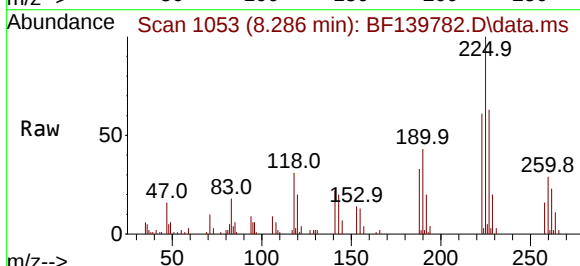
Manual Integrations  
APPROVED

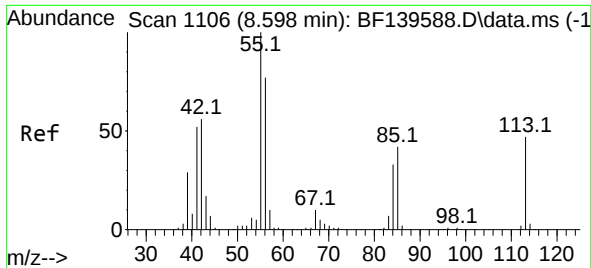
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#34  
Hexachlorobutadiene  
Concen: 10.598 ng  
RT: 8.286 min Scan# 1053  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

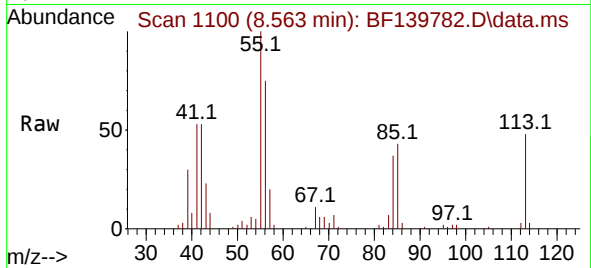
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 21569 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 60.9  | 50.9  | 76.3  |
| 227       | 62.9  | 50.7  | 76.1  |





#35  
Caprolactam  
Concen: 9.525 ng  
RT: 8.563 min Scan# 1100  
Delta R.T. -0.035 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

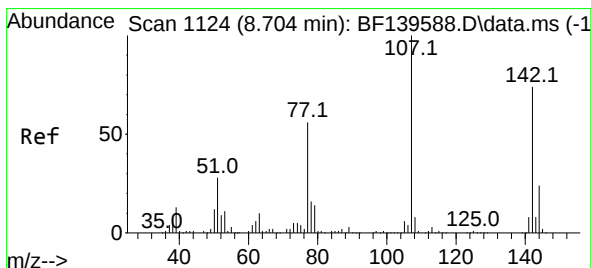
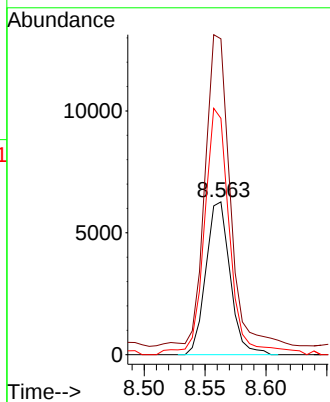
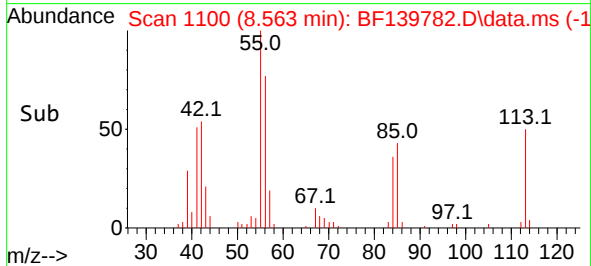
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:113 Resp: 868  
Ion Ratio Lower Upper  
113 100  
55 206.8 193.4 233.4  
56 154.7 143.8 183.8

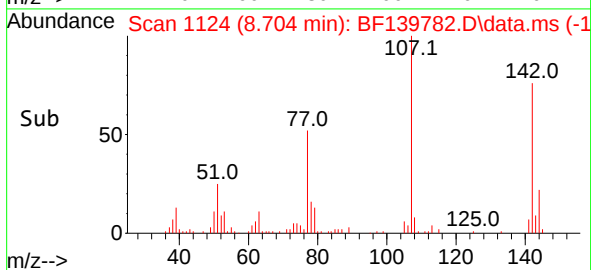
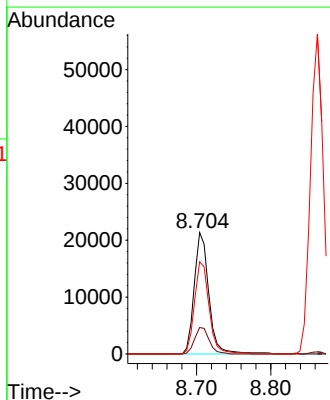
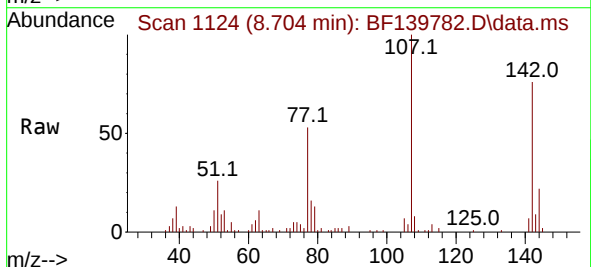
Manual Integrations  
APPROVED

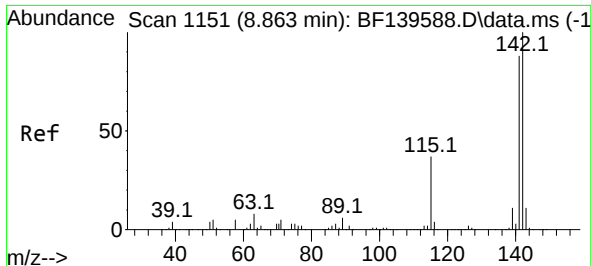
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#36  
4-Chloro-3-methylphenol  
Concen: 9.298 ng  
RT: 8.704 min Scan# 1124  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:107 Resp: 29269  
Ion Ratio Lower Upper  
107 100  
144 21.8 19.0 28.6  
142 76.0 59.2 88.8





#37

2-Methylnaphthalene

Concen: 10.417 ng

RT: 8.863 min Scan# 1151

Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

Tgt Ion:142 Resp: 6871

Ion Ratio Lower Upper

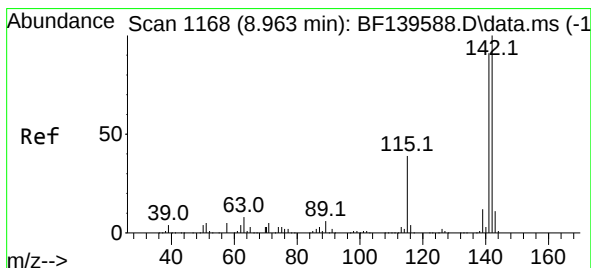
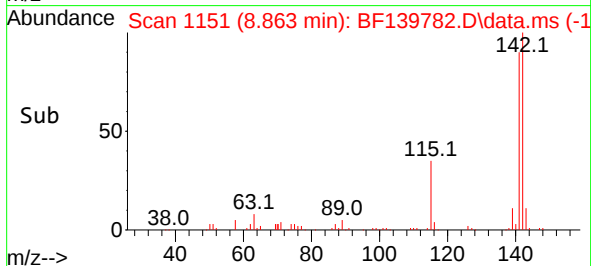
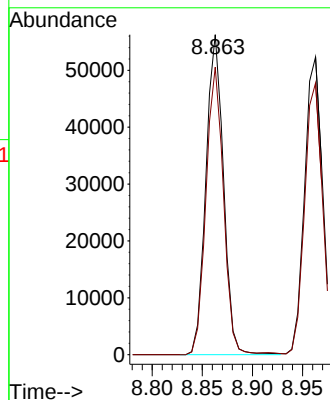
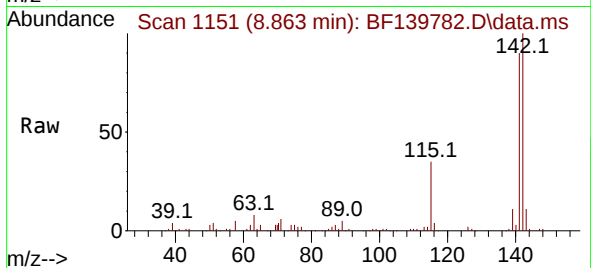
142 100

141 89.8 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#38

1-Methylnaphthalene

Concen: 10.017 ng

RT: 8.963 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF139782.D

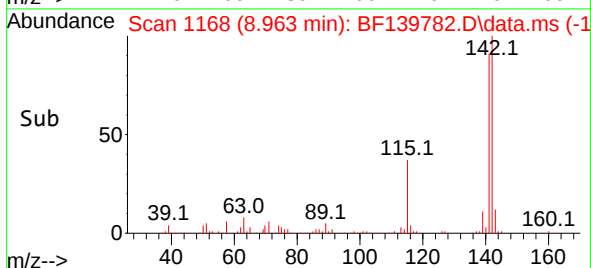
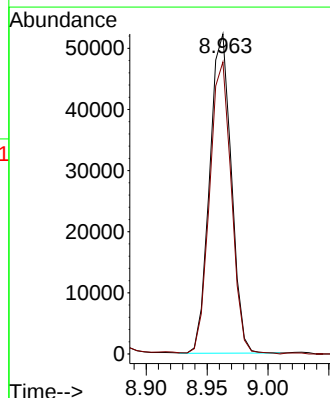
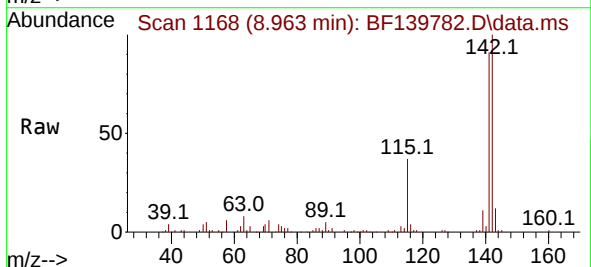
Acq: 11 Oct 2024 18:39

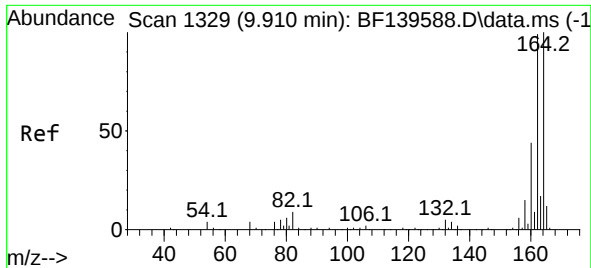
Tgt Ion:142 Resp: 64586

Ion Ratio Lower Upper

142 100

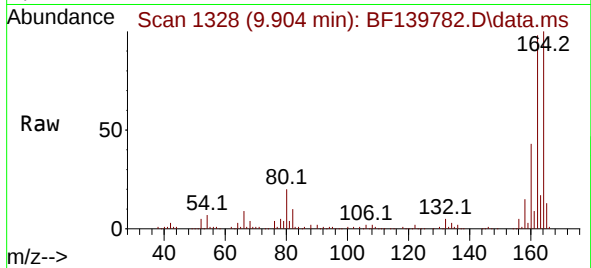
141 91.3 73.0 109.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.904 min Scan# 11328  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

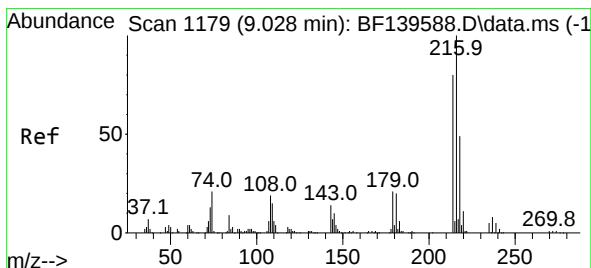
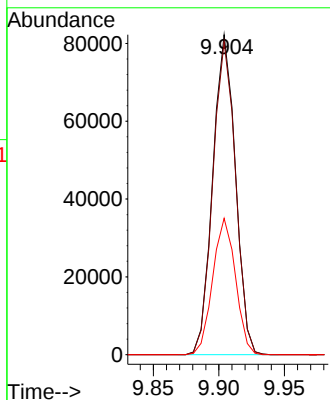
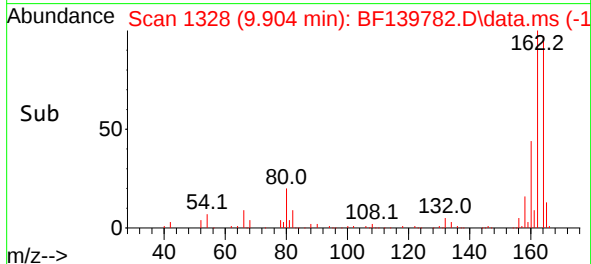
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:164 Resp: 98760  
Ion Ratio Lower Upper  
164 100  
162 97.8 79.4 119.0  
160 42.6 35.1 52.7

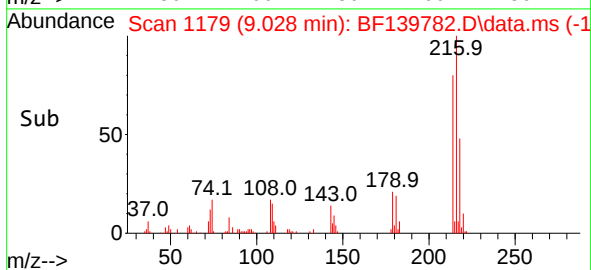
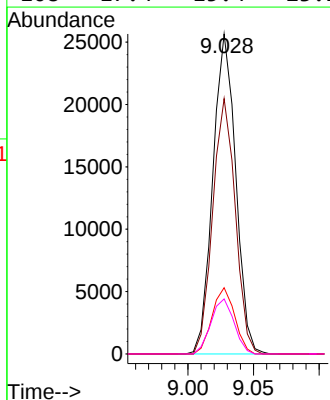
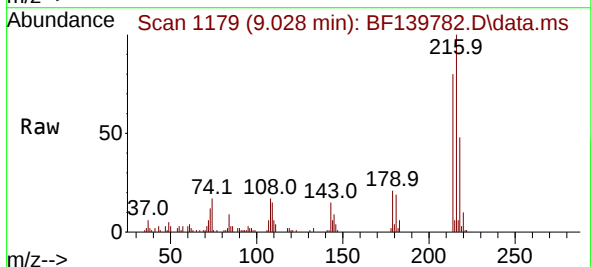
Manual Integrations  
APPROVED

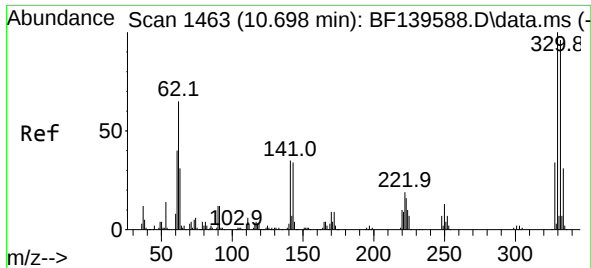
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 11.310 ng  
RT: 9.028 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

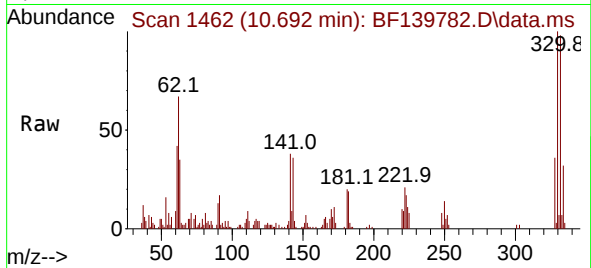
Tgt Ion:216 Resp: 31019  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.7 95.5  
179 20.5 16.9 25.3  
108 17.4 15.4 23.2





#42  
2,4,6-Tribromophenol  
Concen: 24.363 ng  
RT: 10.692 min Scan# 1463  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

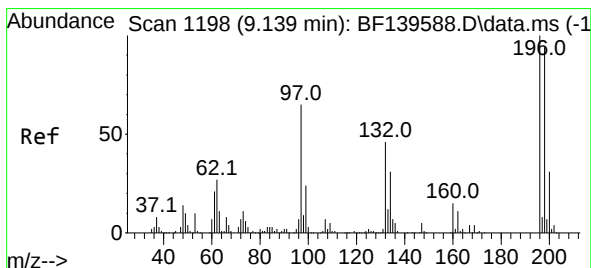
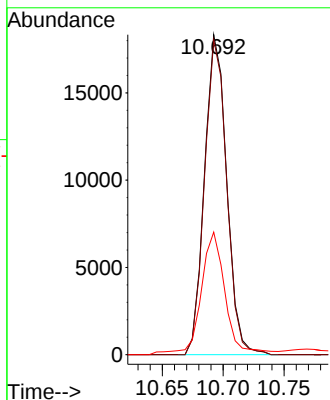
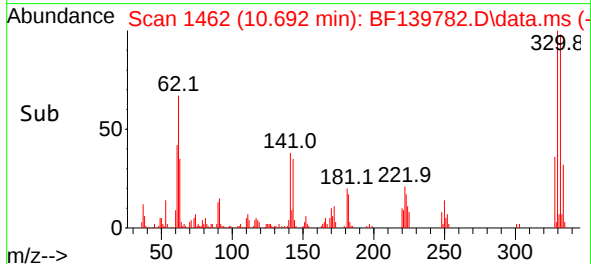
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion: 330 Resp: 23228  
Ion Ratio Lower Upper  
330 100  
332 97.9 76.5 114.7  
141 41.7 29.3 43.9

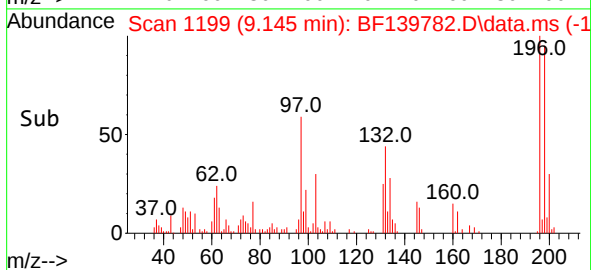
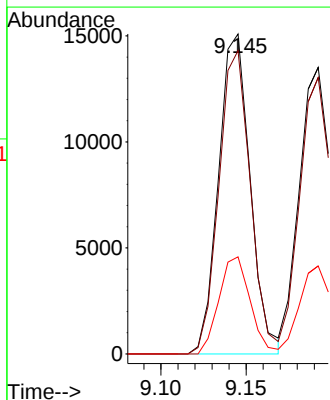
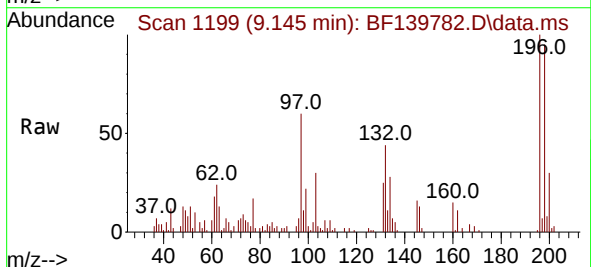
Manual Integrations  
APPROVED

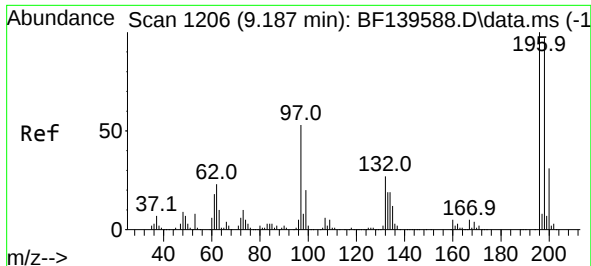
Reviewed By : Jagrut Upadhyay 10/14/2024  
Supervised By : mohammad ahmed 10/15/2024



#43  
2,4,6-Trichlorophenol  
Concen: 10.536 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion: 196 Resp: 19480  
Ion Ratio Lower Upper  
196 100  
198 94.8 75.2 112.8  
200 30.3 24.6 37.0





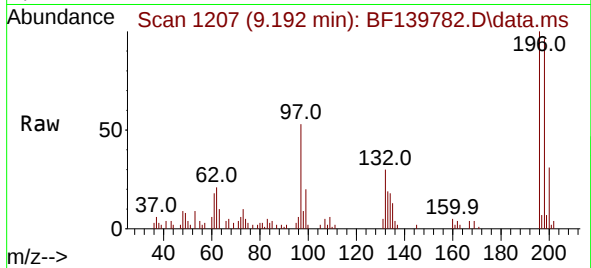
#44  
2,4,5-Trichlorophenol  
Concen: 9.718 ng  
RT: 9.192 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

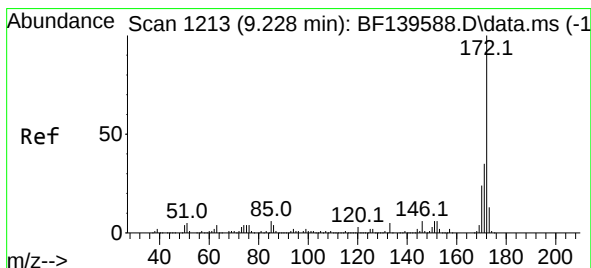
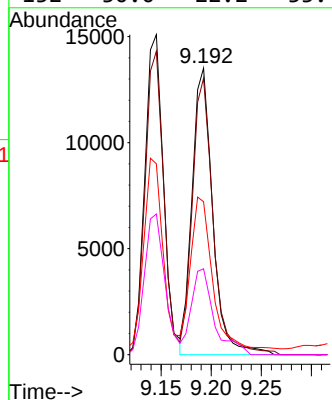


Tgt Ion:196 Resp: 19370  
Ion Ratio Lower Upper  
196 100  
198 96.5 77.5 116.3  
97 53.4 43.1 64.7  
132 30.0 22.2 33.4

Manual Integrations

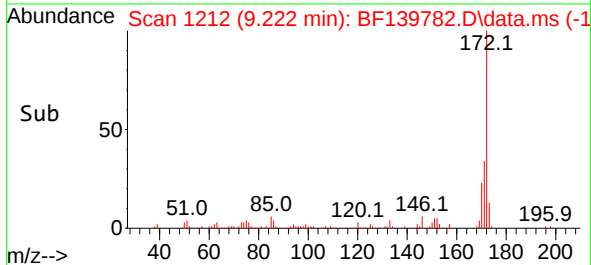
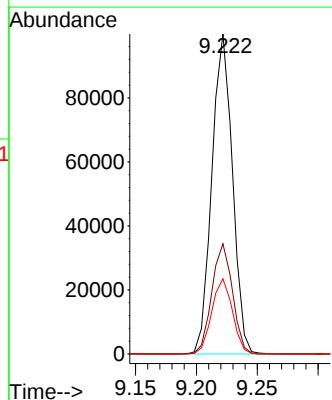
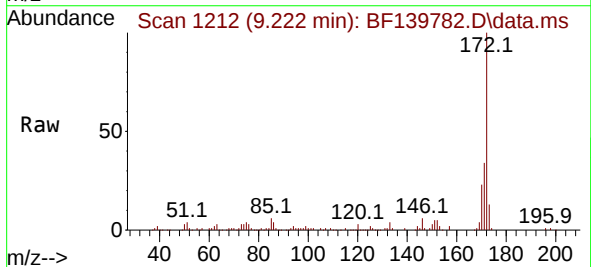
APPROVED

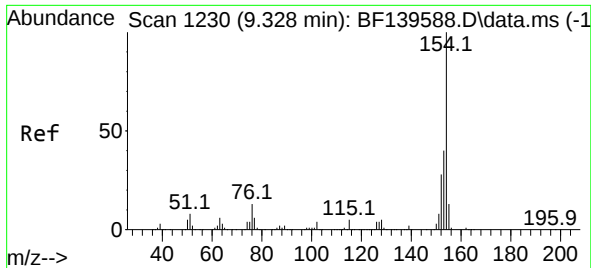
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#45  
2-Fluorobiphenyl  
Concen: 18.294 ng  
RT: 9.222 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:172 Resp: 117692  
Ion Ratio Lower Upper  
172 100  
171 34.5 28.2 42.4  
170 23.5 18.8 28.2





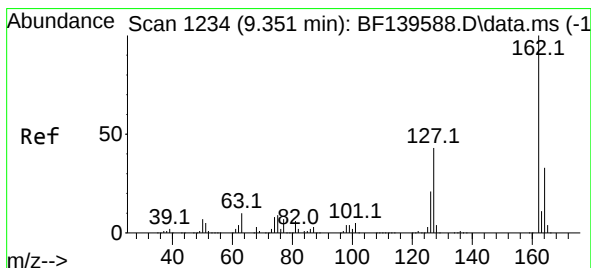
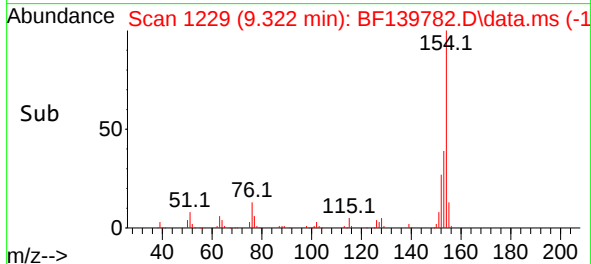
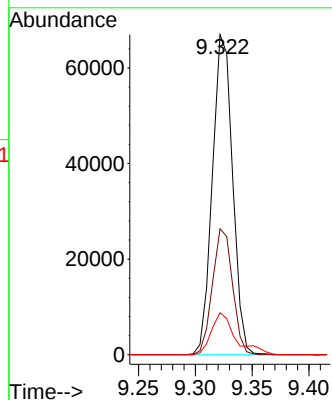
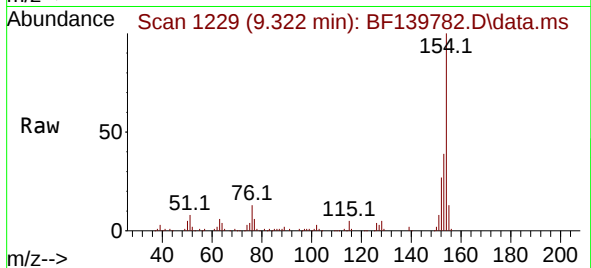
#46  
1,1'-Biphenyl  
Concen: 11.268 ng  
RT: 9.322 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:154 Resp: 8277  
Ion Ratio Lower Upper  
154 100  
153 39.3 20.1 60.1  
76 13.1 0.0 32.6

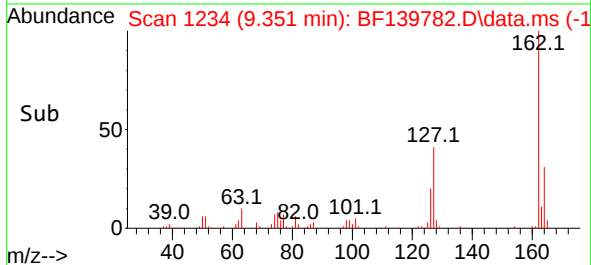
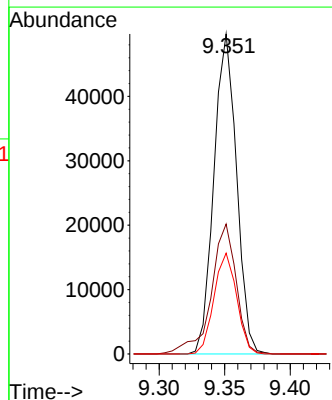
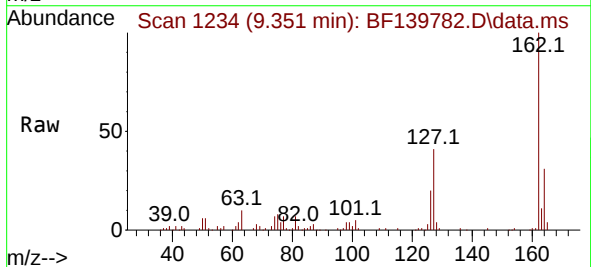
Manual Integrations  
APPROVED

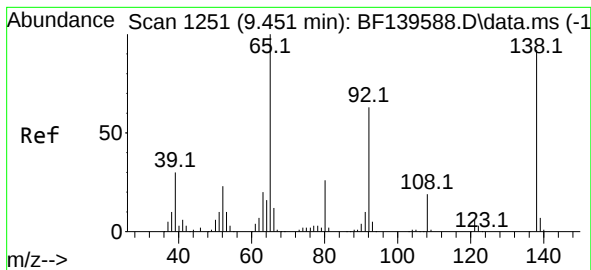
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#47  
2-Chloronaphthalene  
Concen: 10.821 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:162 Resp: 59593  
Ion Ratio Lower Upper  
162 100  
127 40.6 35.0 52.4  
164 31.5 26.1 39.1





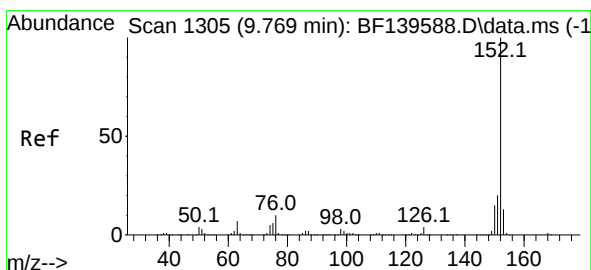
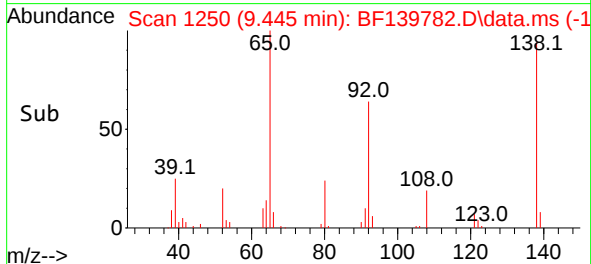
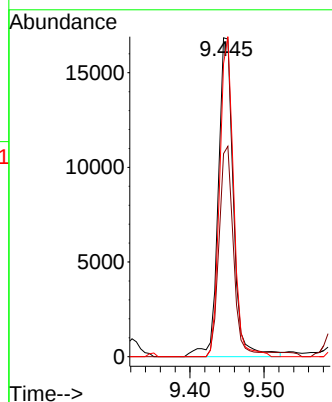
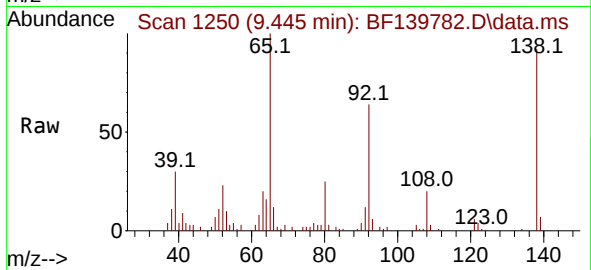
#48  
2-Nitroaniline  
Concen: 12.162 ng  
RT: 9.445 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion: 65 Resp: 2404  
Ion Ratio Lower Upper  
65 100  
92 63.7 50.0 75.0  
138 91.9 73.8 110.8

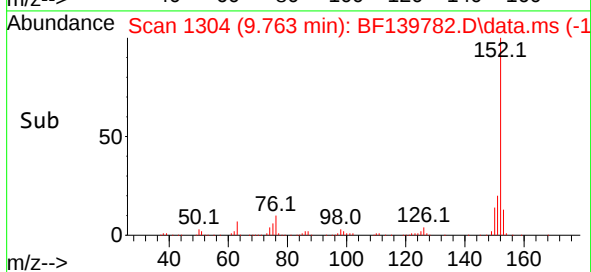
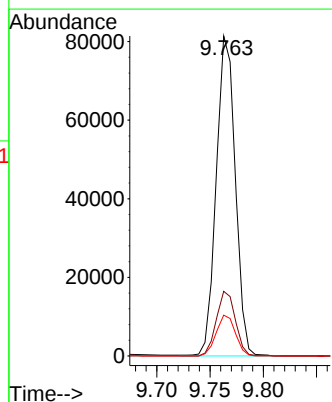
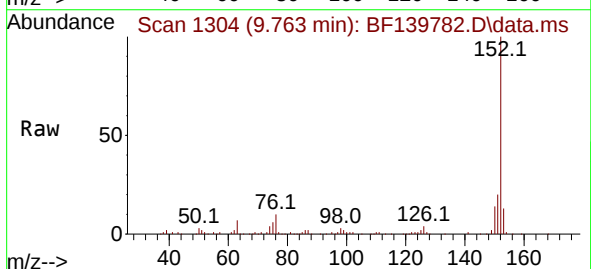
Manual Integrations  
APPROVED

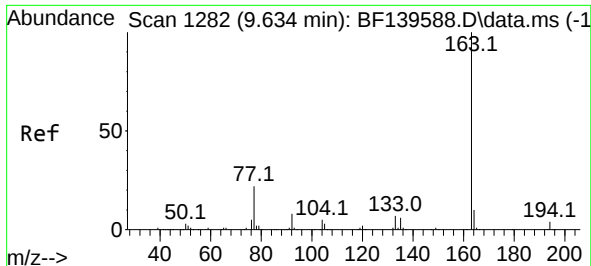
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#49  
Acenaphthylene  
Concen: 12.068 ng  
RT: 9.763 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

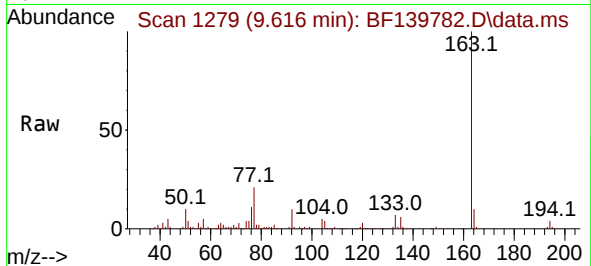
Tgt Ion:152 Resp: 101072  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.0 24.0  
153 12.7 10.5 15.7





#50  
Dimethylphthalate  
Concen: 11.499 ng  
RT: 9.616 min Scan# 1279  
Delta R.T. -0.018 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

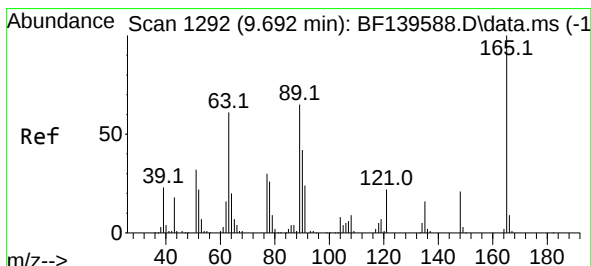
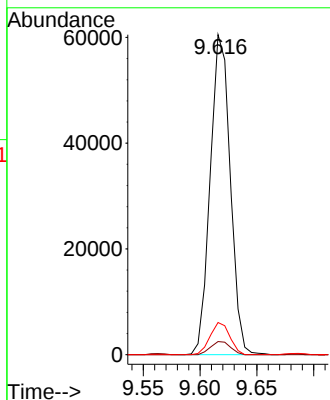
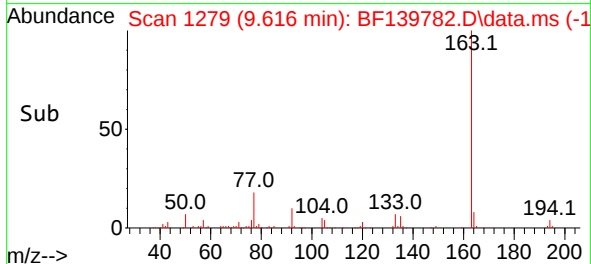
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:163 Resp: 7434  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.1 8.1 12.1

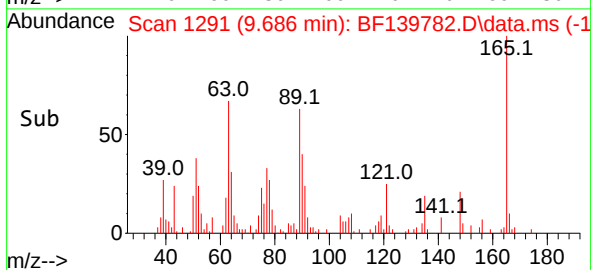
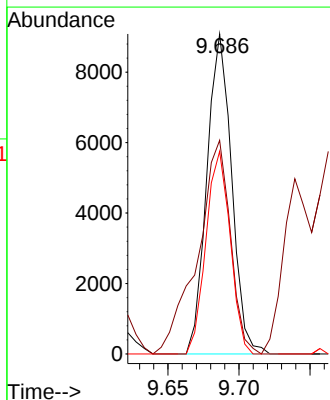
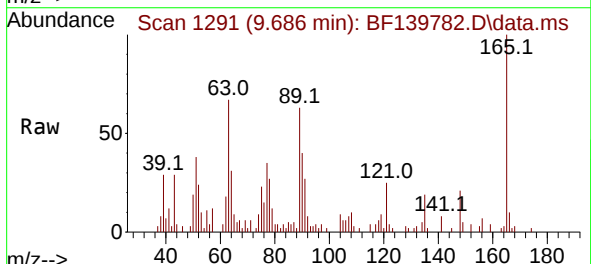
Manual Integrations  
APPROVED

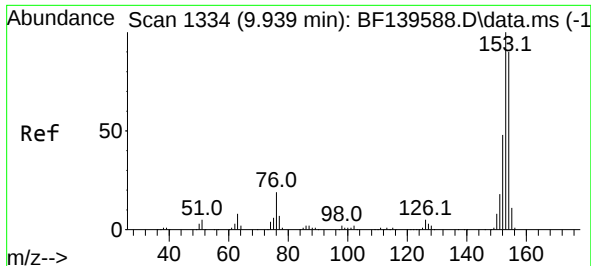
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#51  
2,6-Dinitrotoluene  
Concen: 7.537 ng  
RT: 9.686 min Scan# 1291  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

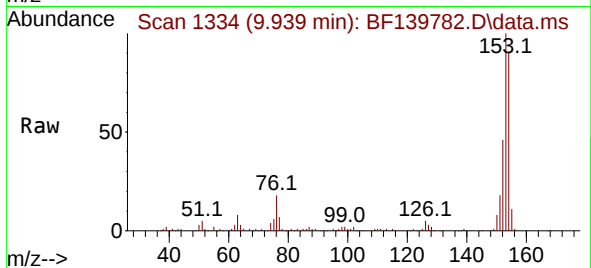
Tgt Ion:165 Resp: 11007  
Ion Ratio Lower Upper  
165 100  
63 66.8 56.7 85.1  
89 63.3 51.6 77.4





#52  
Acenaphthene  
Concen: 13.207 ng  
RT: 9.939 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

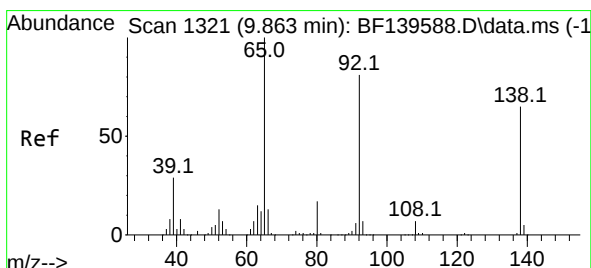
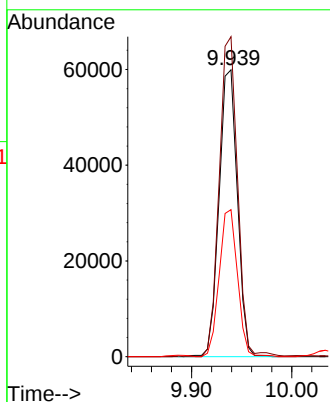
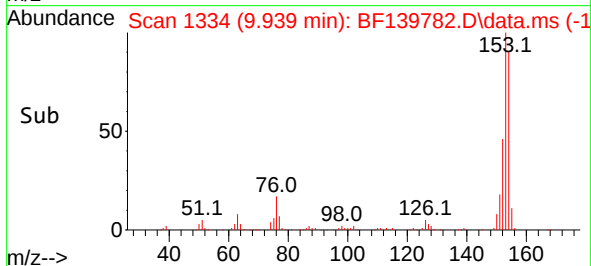
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



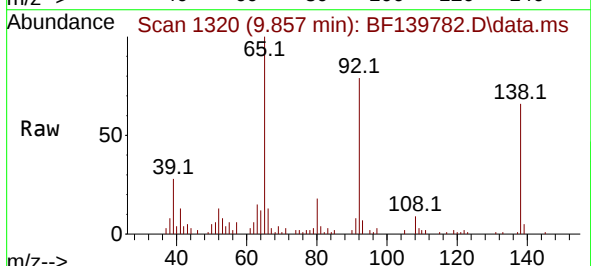
Tgt Ion:154 Resp: 75930  
Ion Ratio Lower Upper  
154 100  
153 111.5 88.8 133.2  
152 51.3 42.5 63.7

Manual Integrations  
APPROVED

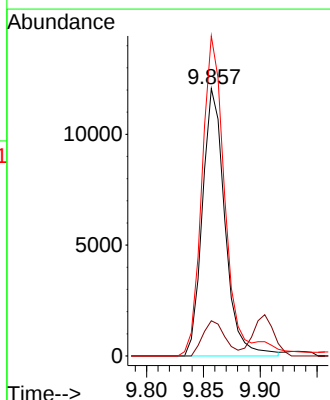
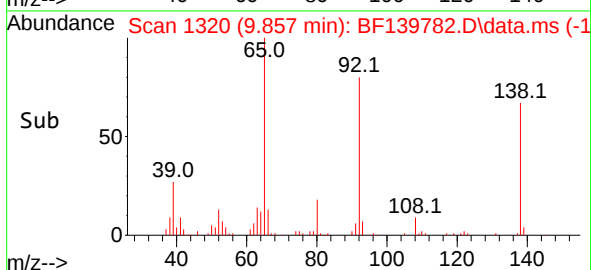
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

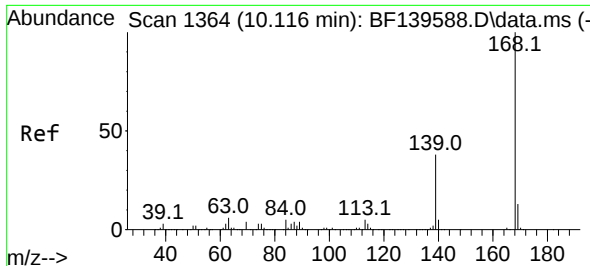


#53  
3-Nitroaniline  
Concen: 11.151 ng  
RT: 9.857 min Scan# 1320  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



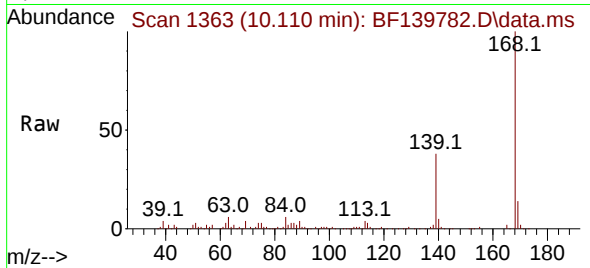
Tgt Ion:138 Resp: 16643  
Ion Ratio Lower Upper  
138 100  
108 13.2 8.8 13.2  
92 119.7 100.0 150.0





#55  
Dibenzenofuran  
Concen: 12.250 ng  
RT: 10.110 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

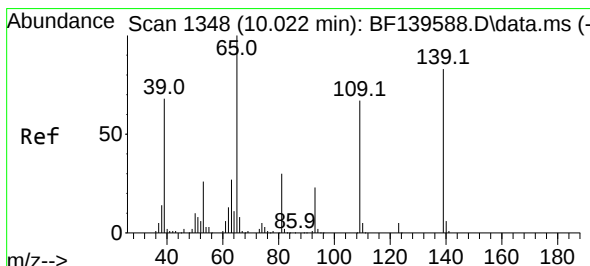
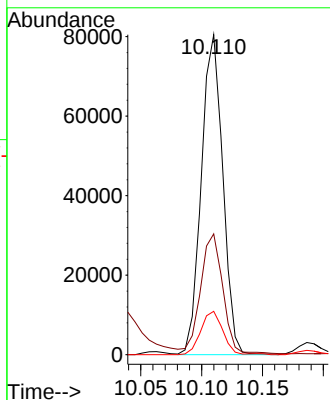
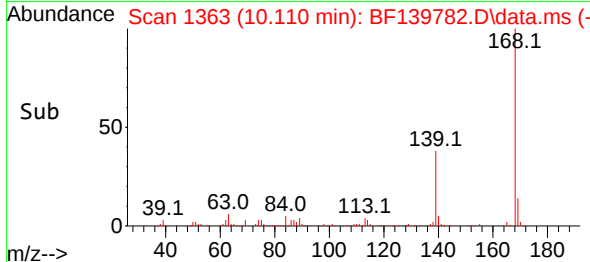
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



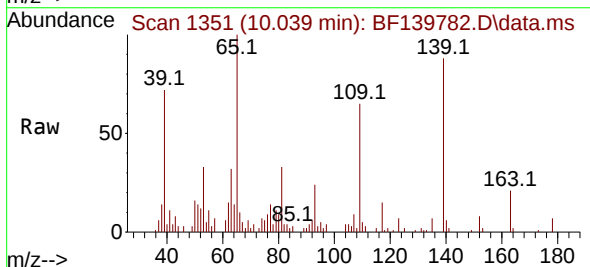
Tgt Ion:168 Resp: 9861  
Ion Ratio Lower Upper  
168 100  
139 37.7 30.4 45.6  
169 13.6 10.7 16.1

Manual Integrations  
APPROVED

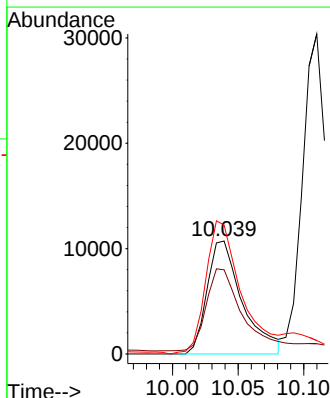
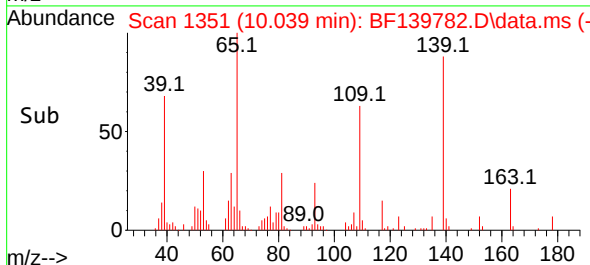
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

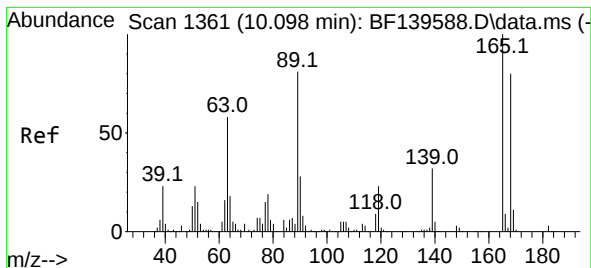


#56  
4-Nitrophenol  
Concen: 17.704 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.018 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



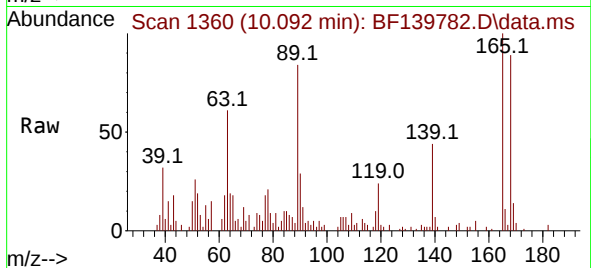
Tgt Ion:139 Resp: 20150  
Ion Ratio Lower Upper  
139 100  
109 74.5 60.3 100.3  
65 114.2 100.8 140.8





#57  
2,4-Dinitrotoluene  
Concen: 7.428 ng  
RT: 10.092 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

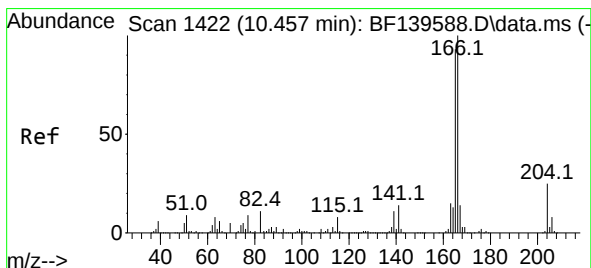
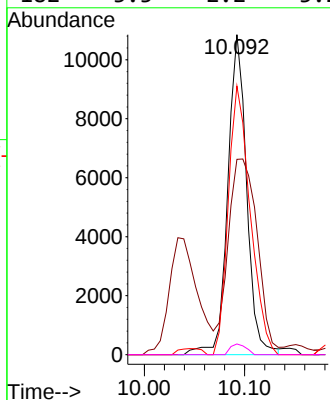
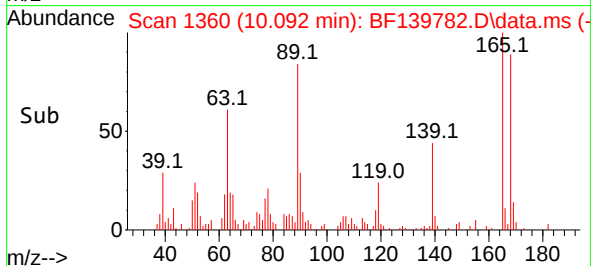
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:165 Resp: 14180  
Ion Ratio Lower Upper  
165 100  
63 61.0 46.9 70.3  
89 83.9 64.4 96.6  
182 3.3 2.2 3.2#

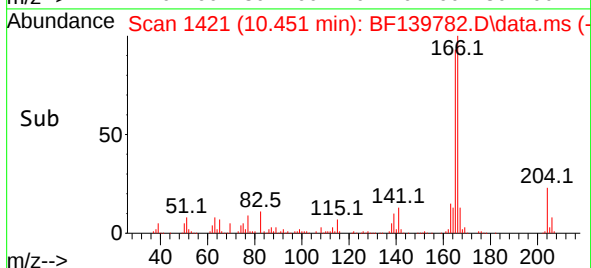
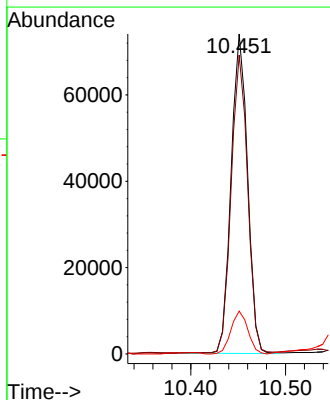
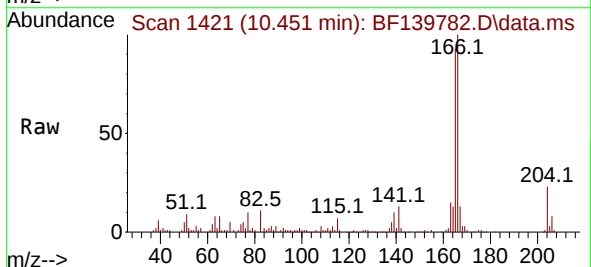
Manual Integrations  
APPROVED

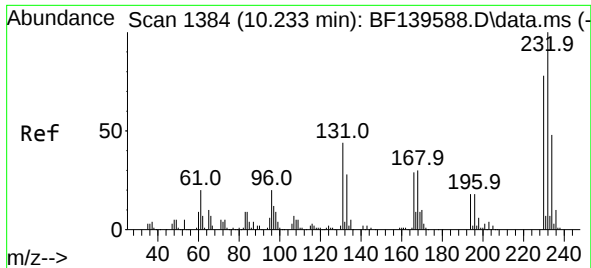
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#58  
Fluorene  
Concen: 13.875 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

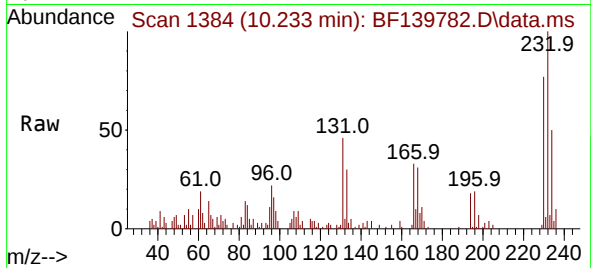
Tgt Ion:166 Resp: 88959  
Ion Ratio Lower Upper  
166 100  
165 93.4 74.4 111.6  
167 13.4 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 10.890 ng  
RT: 10.233 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

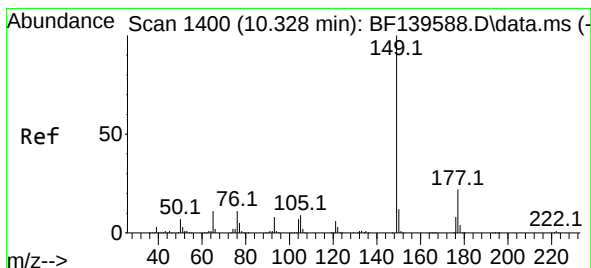
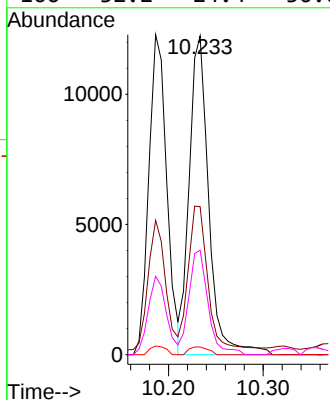
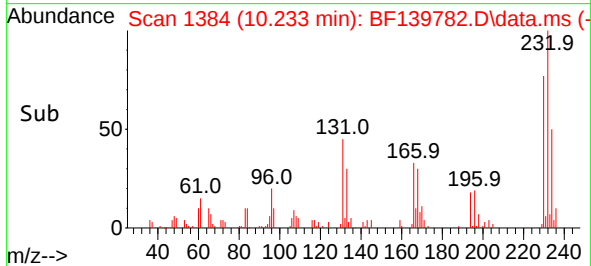
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:232 Resp: 1753  
Ion Ratio Lower Upper  
232 100  
131 45.0 37.8 56.6  
130 2.4 1.9 2.9  
166 32.2 24.4 36.6

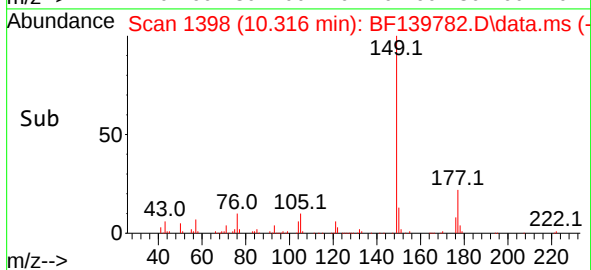
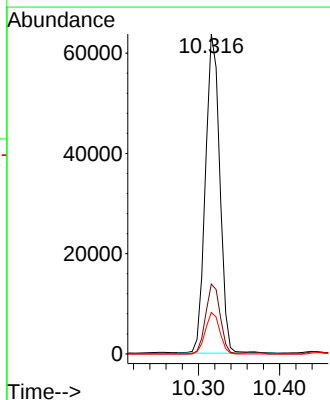
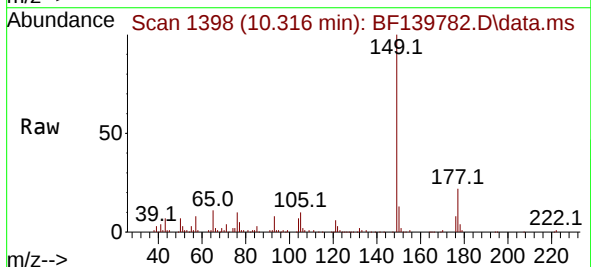
Manual Integrations  
APPROVED

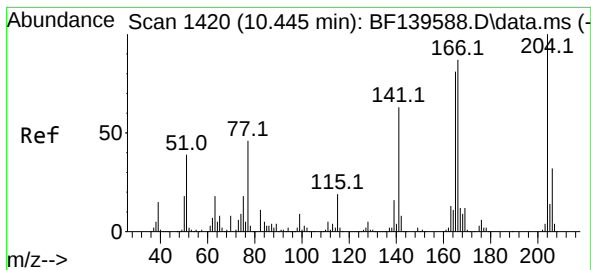
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#60  
Diethylphthalate  
Concen: 11.659 ng  
RT: 10.316 min Scan# 1398  
Delta R.T. -0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:149 Resp: 77861  
Ion Ratio Lower Upper  
149 100  
177 21.8 17.4 26.0  
150 13.0 10.0 15.0





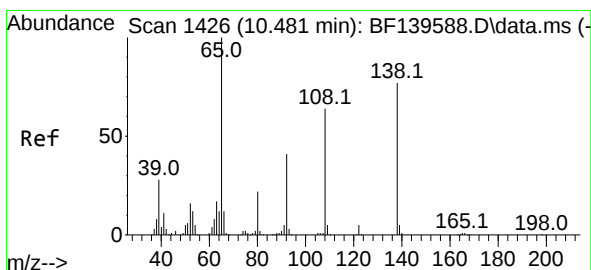
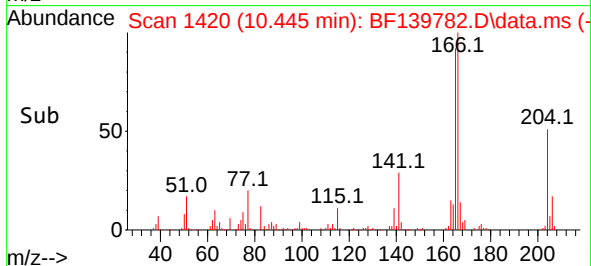
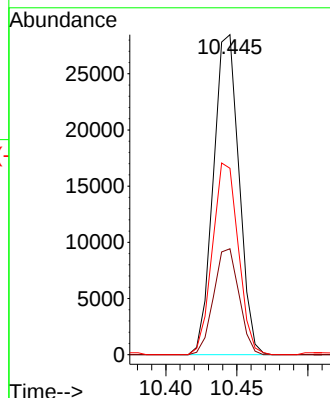
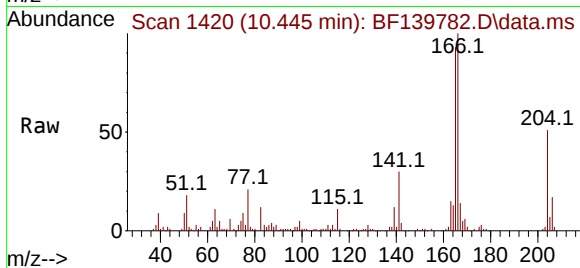
#61  
4-Chlorophenyl-phenylether  
Concen: 11.141 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:204 Resp: 35730  
Ion Ratio Lower Upper  
204 100  
206 33.1 25.9 38.9  
141 58.2 50.5 75.7

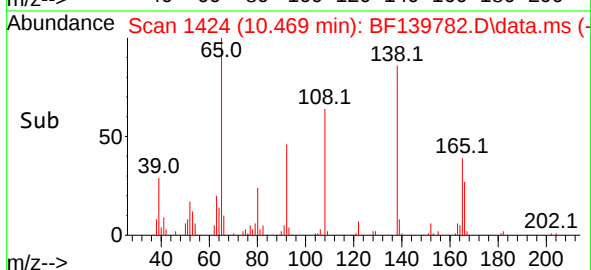
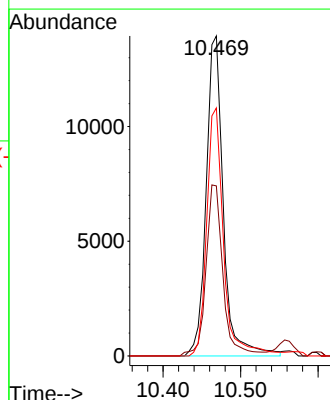
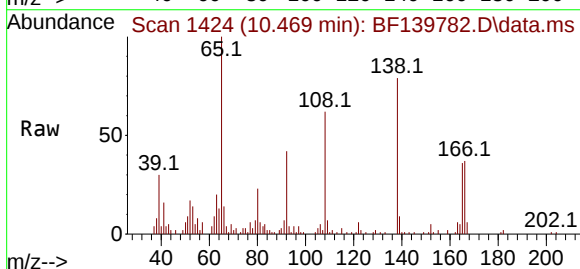
Manual Integrations  
APPROVED

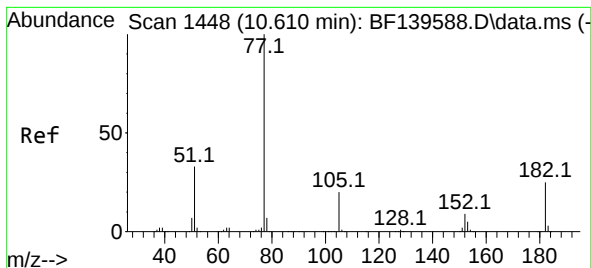
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#62  
4-Nitroaniline  
Concen: 14.056 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

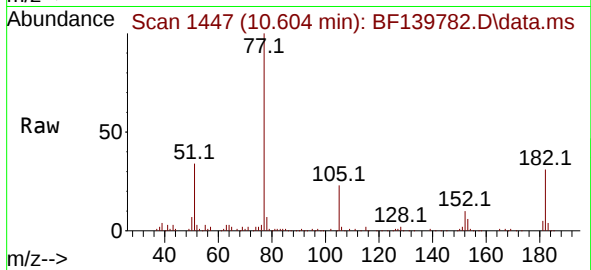
Tgt Ion:138 Resp: 21459  
Ion Ratio Lower Upper  
138 100  
92 53.1 33.3 73.3  
108 77.5 62.1 102.1





#63  
Azobenzene  
Concen: 11.170 ng  
RT: 10.604 min Scan# 1447  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

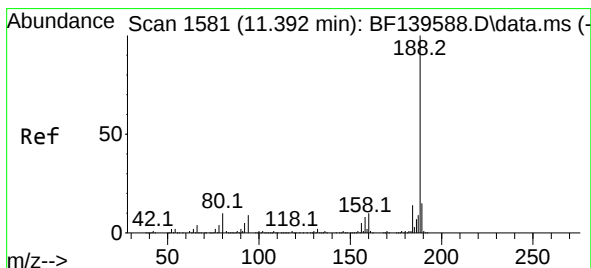
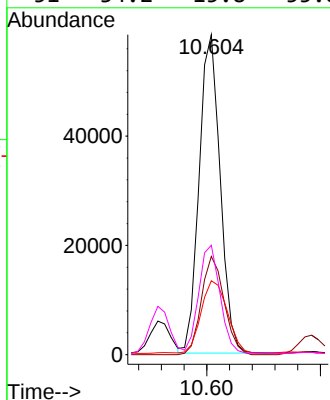
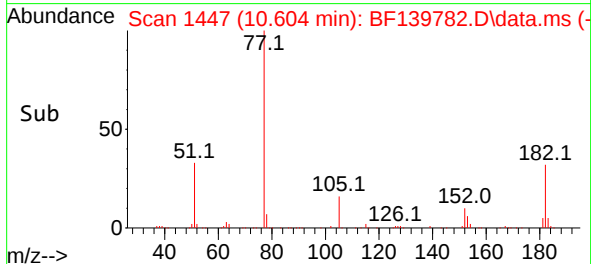
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



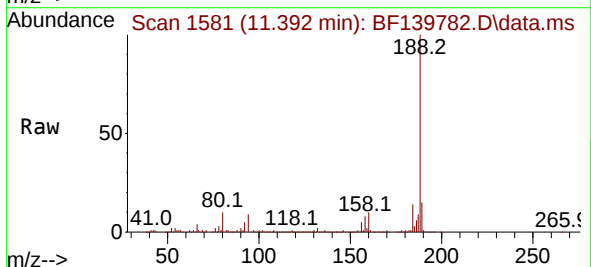
Tgt Ion: 77 Resp: 75015  
Ion Ratio Lower Upper  
77 100  
182 30.7 4.2 44.2  
105 23.1 0.0 39.6  
51 34.2 15.8 55.8

Manual Integrations  
APPROVED

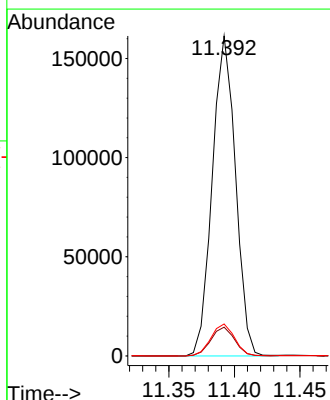
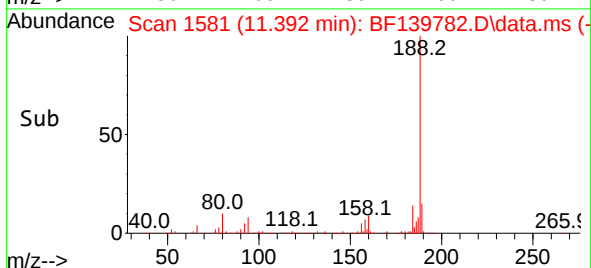
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

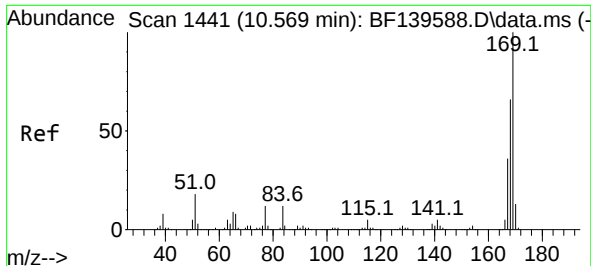


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1581  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



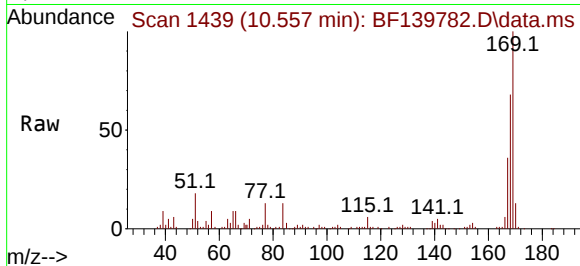
Tgt Ion:188 Resp: 198414  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.4 11.2  
80 10.0 8.2 12.2





#66  
n-Nitrosodiphenylamine  
Concen: 10.622 ng  
RT: 10.557 min Scan# 1441  
Delta R.T. -0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

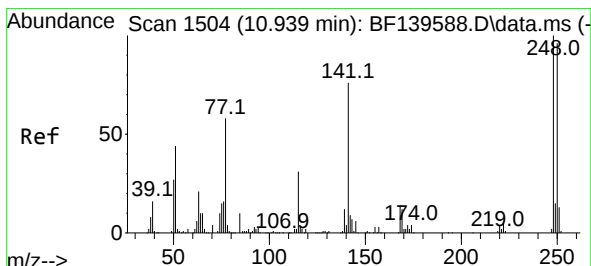
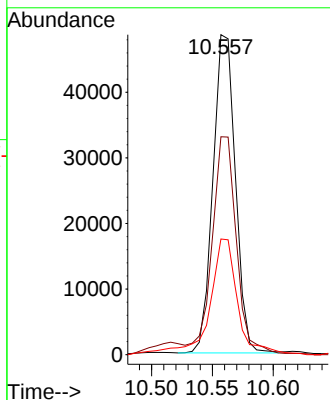
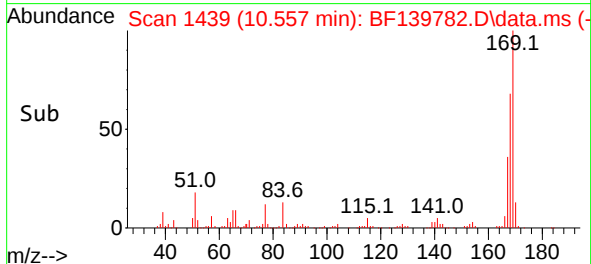
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:169 Resp: 6212  
Ion Ratio Lower Upper  
169 100  
168 68.1 53.2 79.8  
167 36.1 28.6 43.0

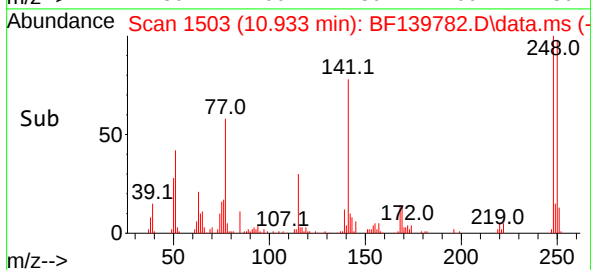
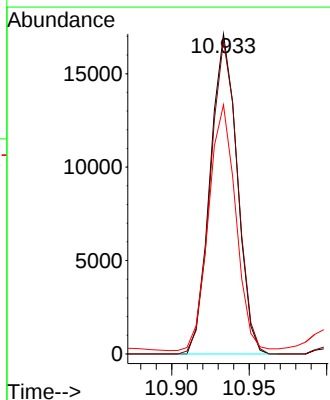
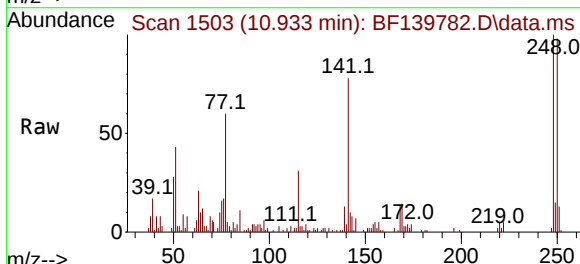
Manual Integrations  
APPROVED

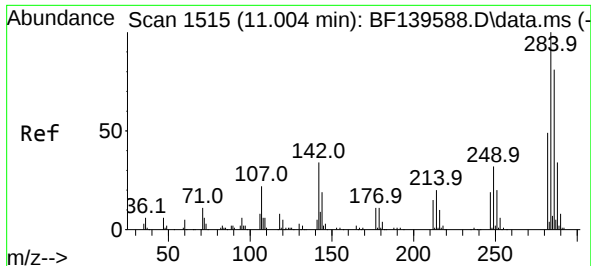
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#67  
4-Bromophenyl-phenylether  
Concen: 10.164 ng  
RT: 10.933 min Scan# 1503  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

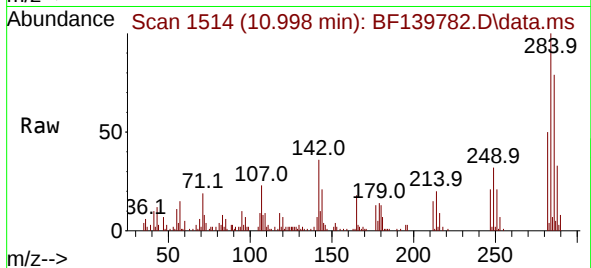
Tgt Ion:248 Resp: 20677  
Ion Ratio Lower Upper  
248 100  
250 98.0 77.1 115.7  
141 77.8 60.4 90.6





#68  
Hexachlorobenzene  
Concen: 9.854 ng  
RT: 10.998 min Scan# 1514  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

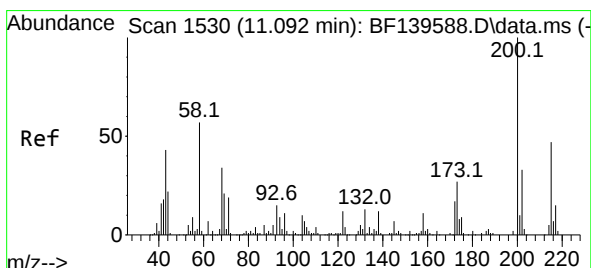
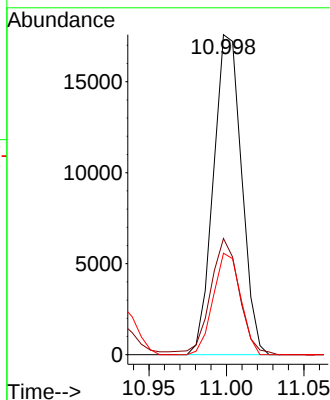
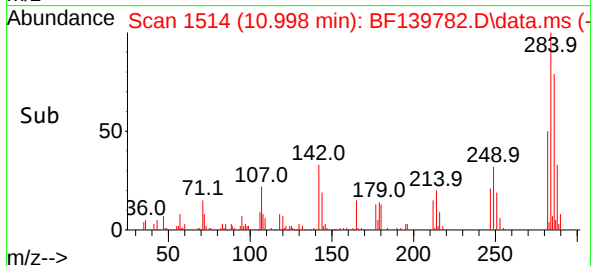
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



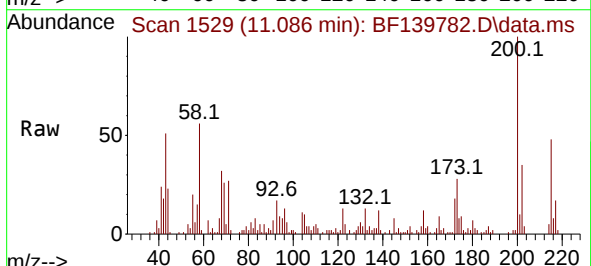
Tgt Ion:284 Resp: 2224  
Ion Ratio Lower Upper  
284 100  
142 36.3 26.9 40.3  
249 31.7 25.4 38.0

Manual Integrations  
APPROVED

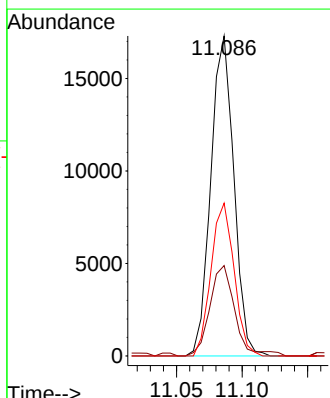
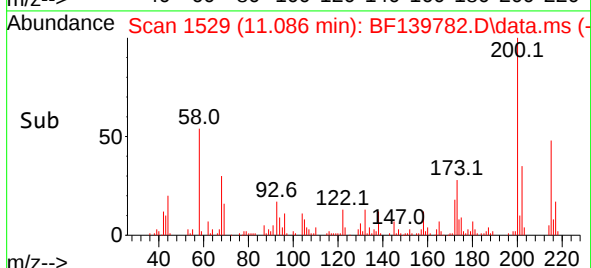
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

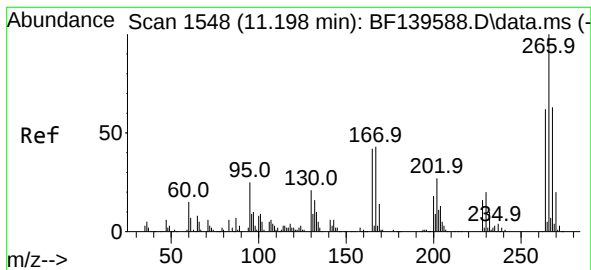


#69  
Atrazine  
Concen: 13.463 ng  
RT: 11.086 min Scan# 1529  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



Tgt Ion:200 Resp: 21126  
Ion Ratio Lower Upper  
200 100  
173 28.2 6.7 46.7  
215 47.8 27.5 67.5





#70

Pentachlorophenol

Concen: 14.929 ng

RT: 11.198 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

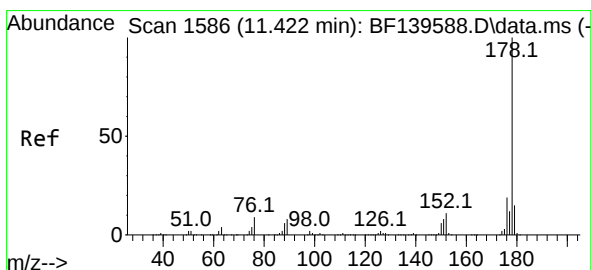
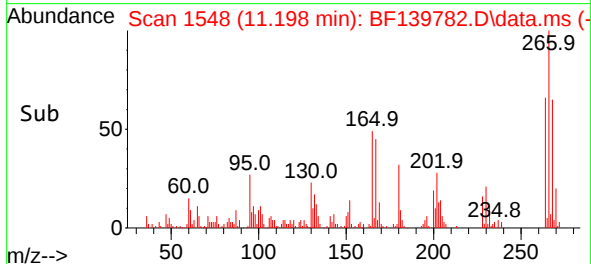
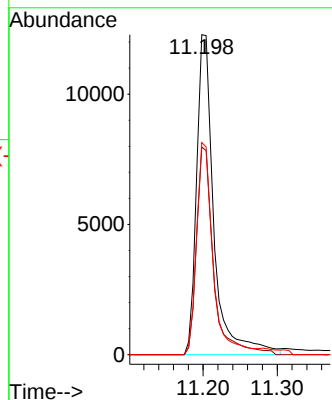
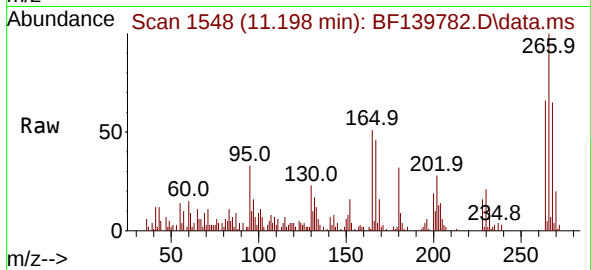
HD-01-100924MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 2006 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 268       | 64.9  | 50.0  | 75.0 |
| 264       | 66.3  | 49.3  | 73.9 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#71

Phenanthrene

Concen: 33.750 ng

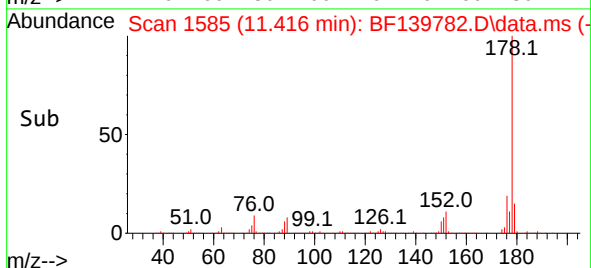
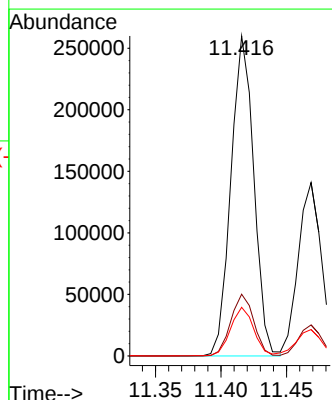
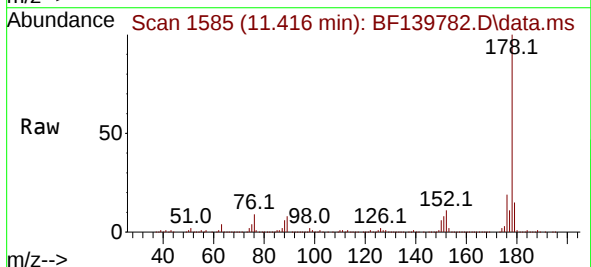
RT: 11.416 min Scan# 1585

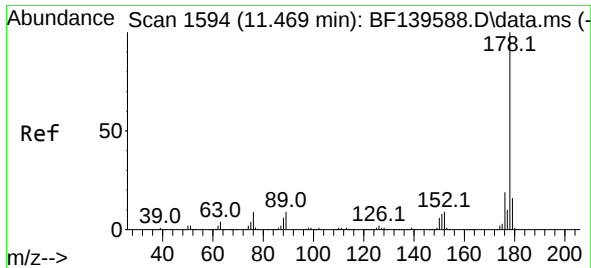
Delta R.T. -0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

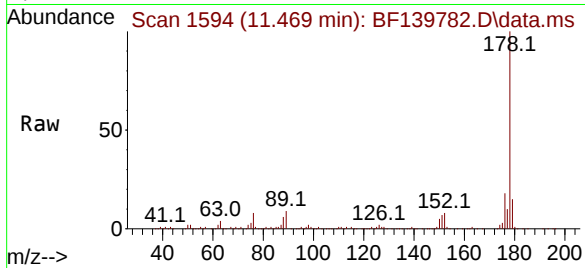
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 315744 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.3  | 15.5  | 23.3   |
| 179       | 15.2  | 12.3  | 18.5   |





#72  
 Anthracene  
 Concen: 18.720 ng  
 RT: 11.469 min Scan# 1594  
 Delta R.T. -0.000 min  
 Lab File: BF139782.D  
 Acq: 11 Oct 2024 18:39

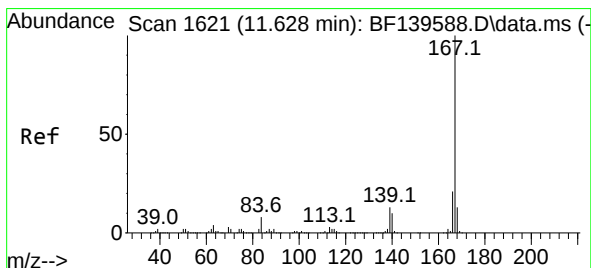
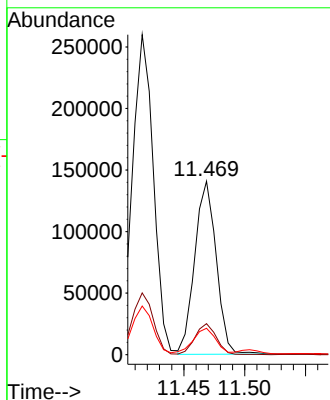
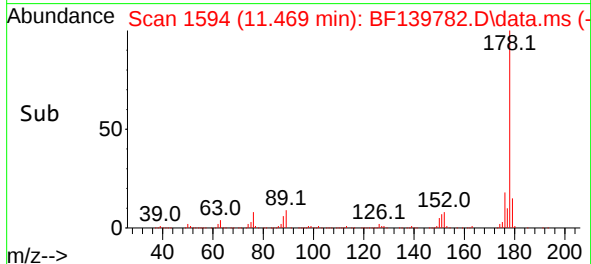
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HD-01-100924MS



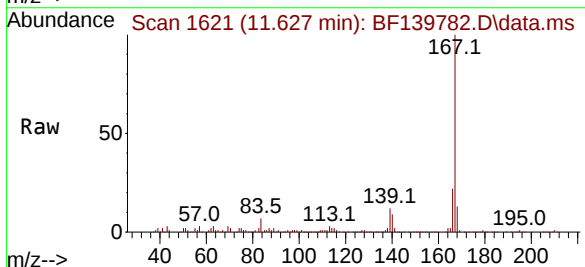
Tgt Ion:178 Resp: 17326  
 Ion Ratio Lower Upper  
 178 100  
 176 17.9 15.1 22.7  
 179 15.3 12.5 18.7

Manual Integrations  
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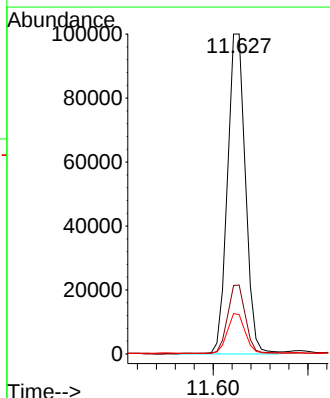
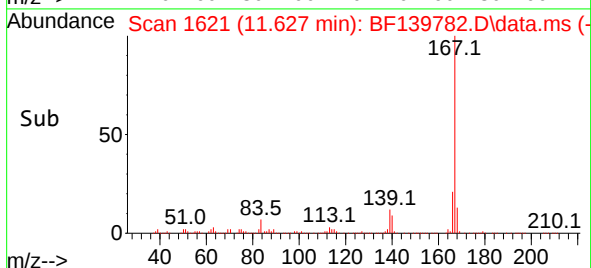
Reviewed By :Jagrut Upadhyay 10/14/2024  
 Supervised By :mohammad ahmed 10/15/2024

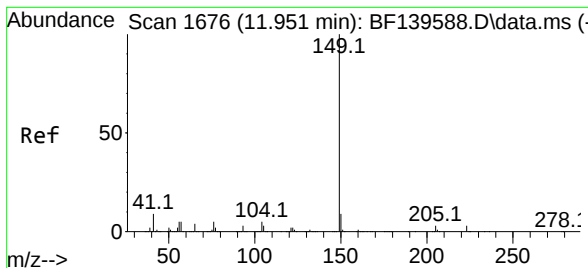


#73  
 Carbazole  
 Concen: 14.872 ng  
 RT: 11.627 min Scan# 1621  
 Delta R.T. -0.000 min  
 Lab File: BF139782.D  
 Acq: 11 Oct 2024 18:39



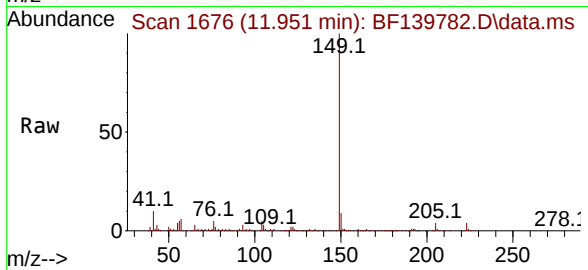
Tgt Ion:167 Resp: 132202  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.2 25.8  
 139 12.3 10.3 15.5





#74  
Di-n-butylphthalate  
Concen: 11.933 ng  
RT: 11.951 min Scan# 11951  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

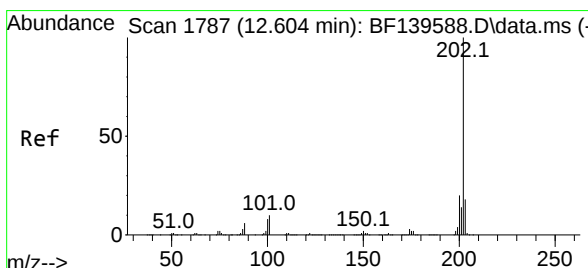
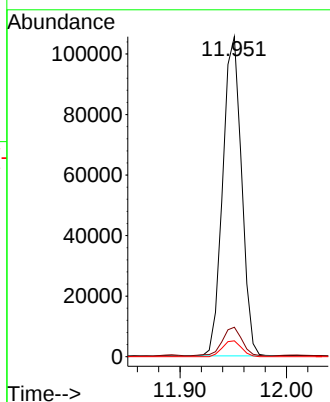
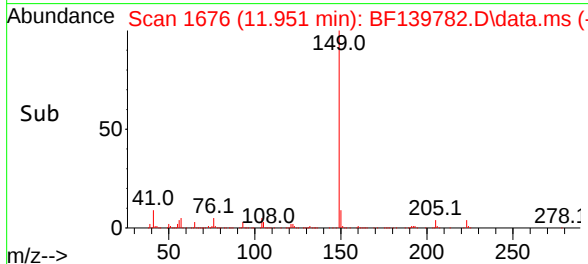
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:149 Resp: 12899  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.5 11.3  
104 5.0 4.1 6.1

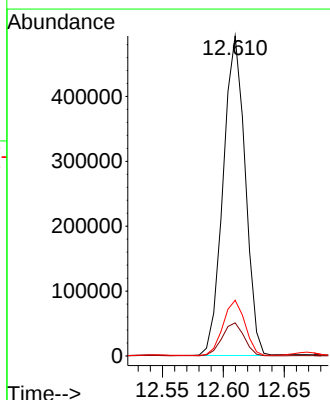
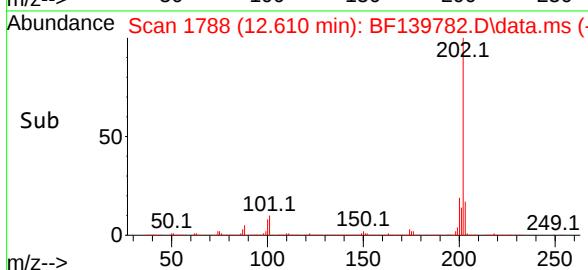
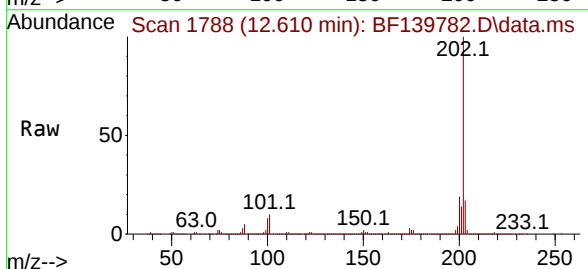
Manual Integrations  
APPROVED

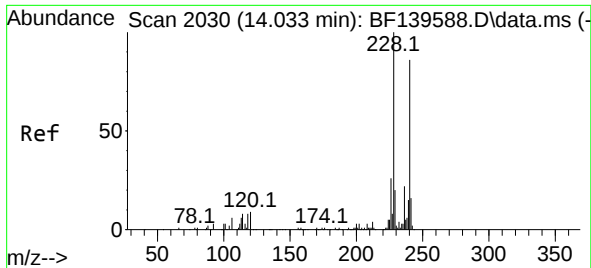
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#75  
Fluoranthene  
Concen: 60.656 ng  
RT: 12.610 min Scan# 1788  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

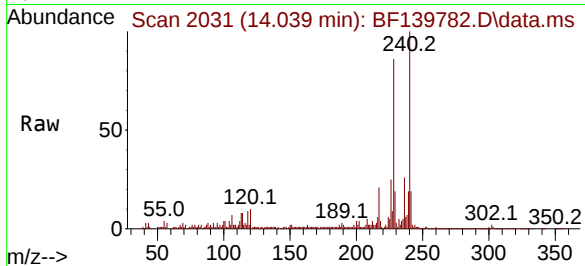
Tgt Ion:202 Resp: 620316  
Ion Ratio Lower Upper  
202 100  
101 10.3 0.0 30.2  
203 17.4 0.0 37.7





#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2030  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

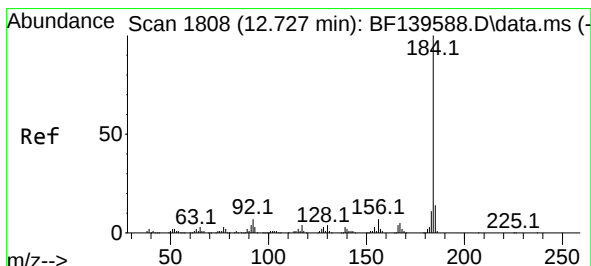
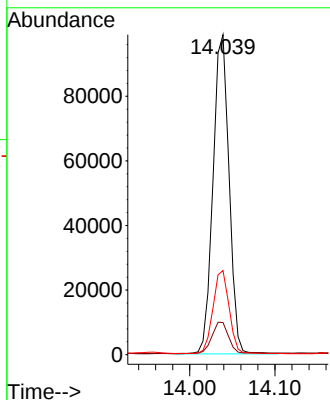
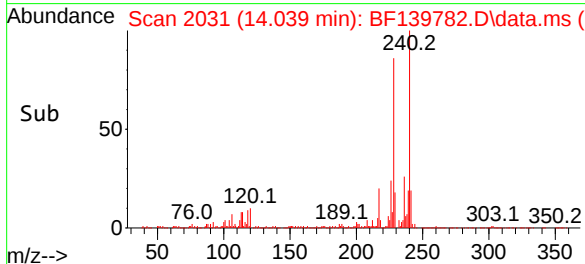
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



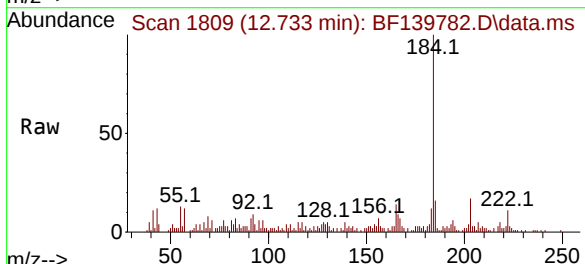
Tgt Ion:240 Resp: 130018  
Ion Ratio Lower Upper  
240 100  
120 10.0 8.4 12.6  
236 26.3 20.3 30.5

Manual Integrations  
APPROVED

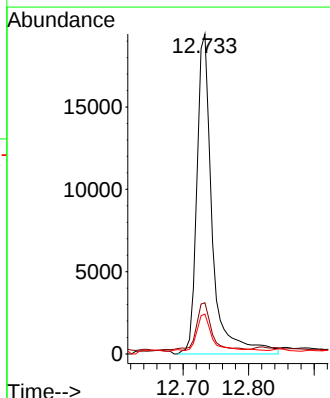
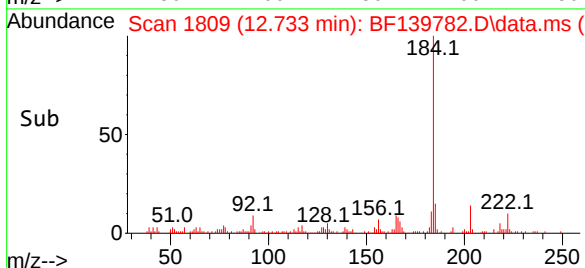
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

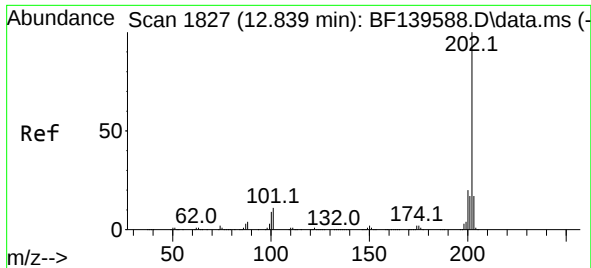


#77  
Benzidine  
Concen: 13.886 ng  
RT: 12.733 min Scan# 1809  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39



Tgt Ion:184 Resp: 31845  
Ion Ratio Lower Upper  
184 100  
185 16.0 11.4 17.0  
183 12.4 8.8 13.2





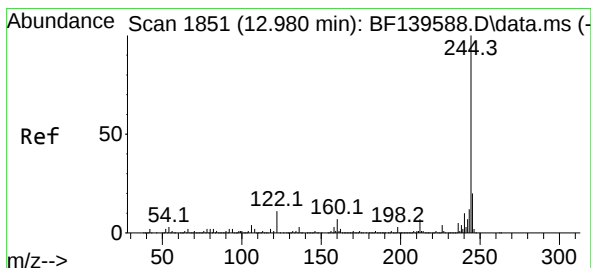
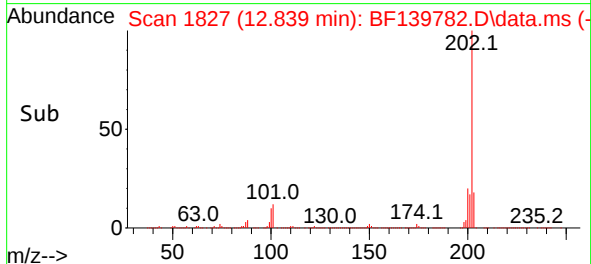
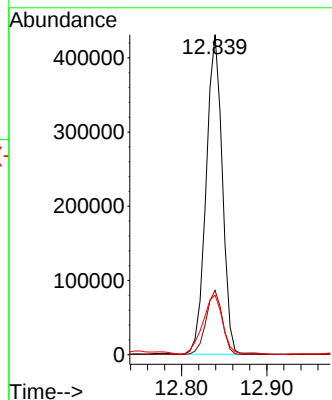
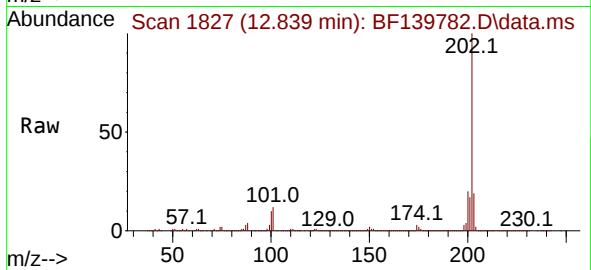
#78  
Pyrene  
Concen: 48.685 ng  
RT: 12.839 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS

Tgt Ion:202 Resp: 56614  
Ion Ratio Lower Upper  
202 100  
200 20.1 15.8 23.6  
203 18.6 13.8 20.8

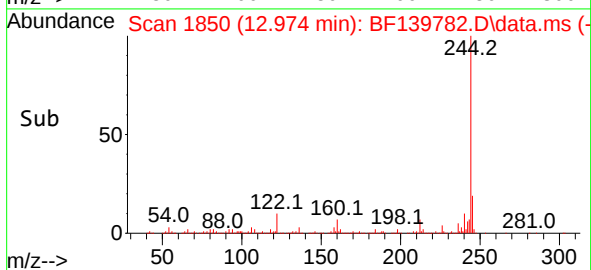
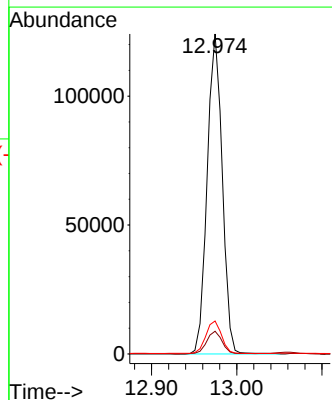
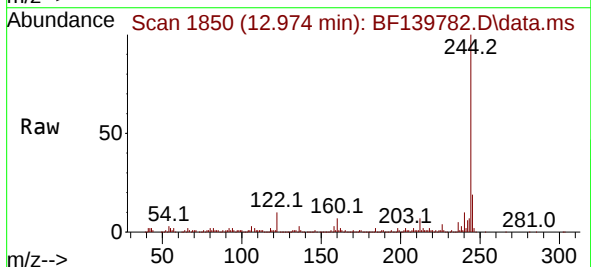
Manual Integrations  
APPROVED

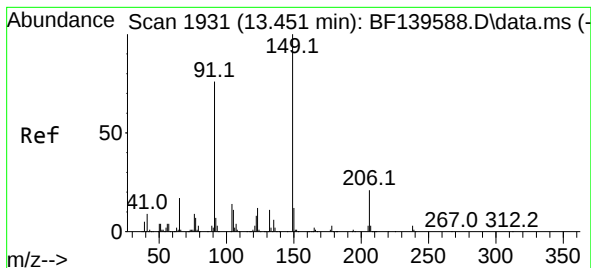
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#79  
Terphenyl-d14  
Concen: 19.261 ng  
RT: 12.974 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:244 Resp: 152626  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.6  
122 10.3 8.6 12.8





#80  
Butylbenzylphthalate  
Concen: 14.174 ng  
RT: 13.451 min Scan# 1931  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

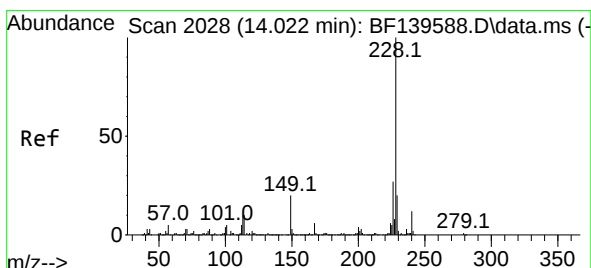
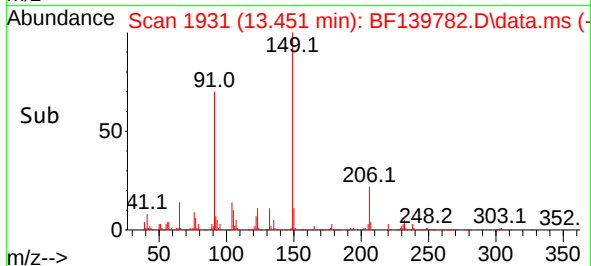
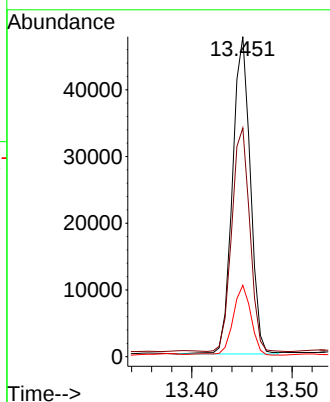
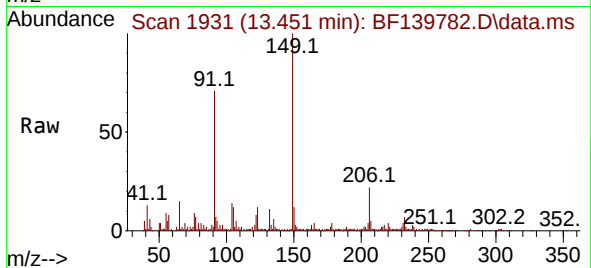
HD-01-100924MS

Tgt Ion:149 Resp: 5895  
Ion Ratio Lower Upper  
149 100  
91 71.5 61.0 91.4  
206 22.3 16.6 24.8

Manual Integrations

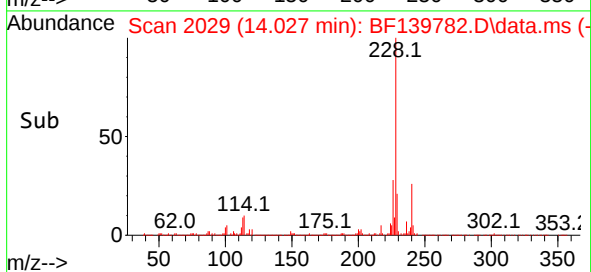
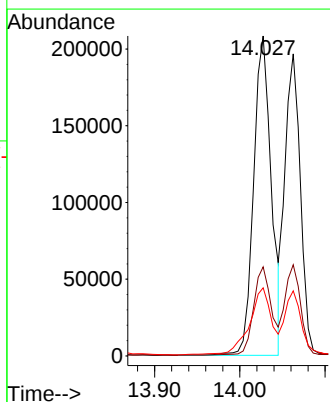
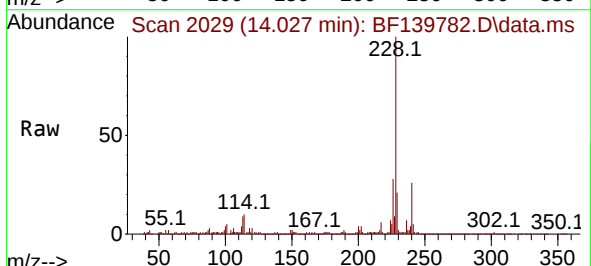
APPROVED

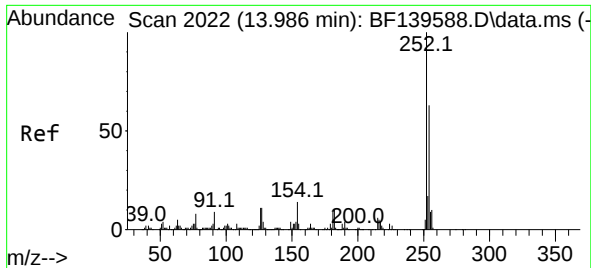
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#81  
Benzo(a)anthracene  
Concen: 35.308 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

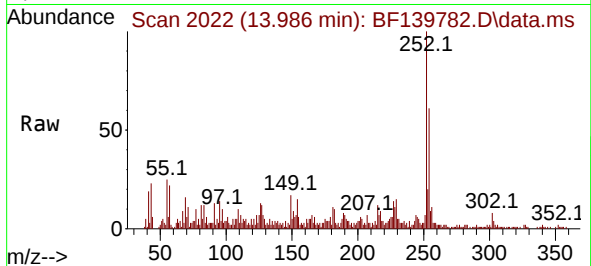
Tgt Ion:228 Resp: 301821  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.8 32.8  
229 21.3 15.8 23.8





#82  
3,3'-Dichlorobenzidine  
Concen: 9.025 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

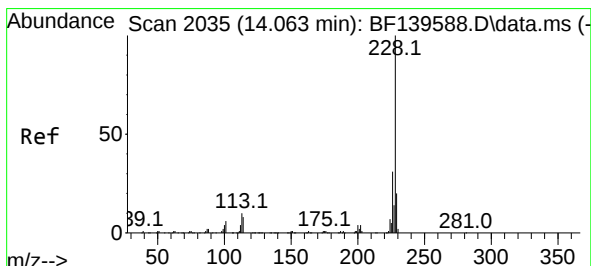
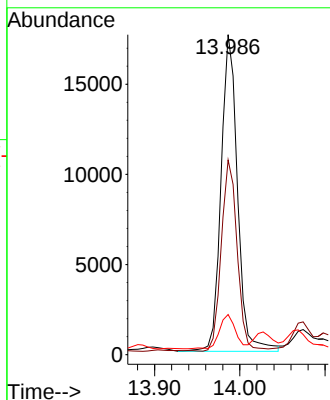
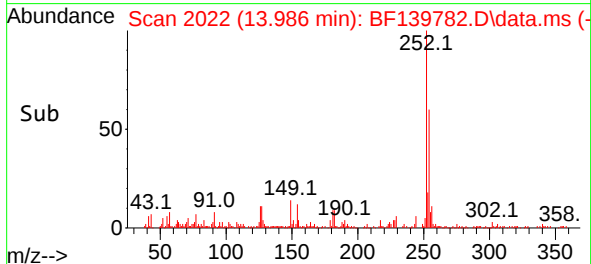
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:252 Resp: 23610  
Ion Ratio Lower Upper  
252 100  
254 60.9 50.5 75.7  
126 12.6 8.8 13.2

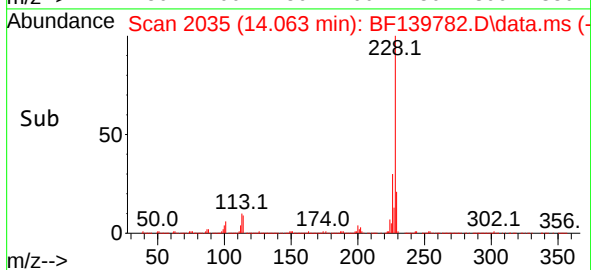
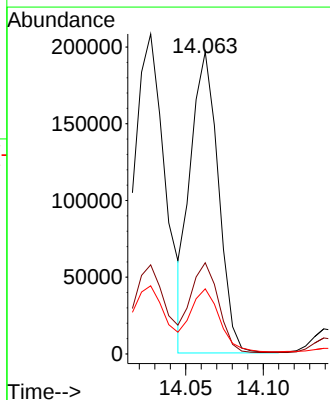
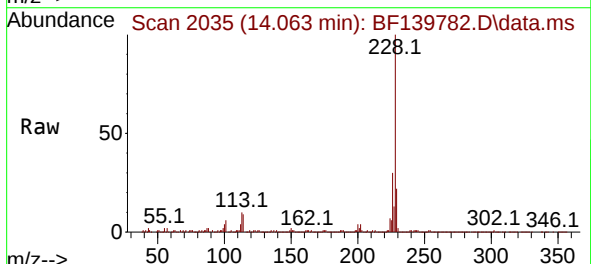
Manual Integrations  
APPROVED

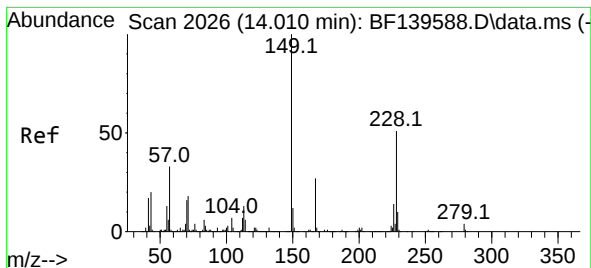
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#83  
Chrysene  
Concen: 31.516 ng  
RT: 14.063 min Scan# 2035  
Delta R.T. -0.000 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:228 Resp: 246304  
Ion Ratio Lower Upper  
228 100  
226 30.2 24.3 36.5  
229 21.6 15.7 23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 16.295 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

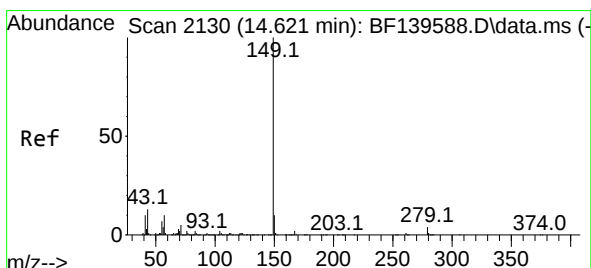
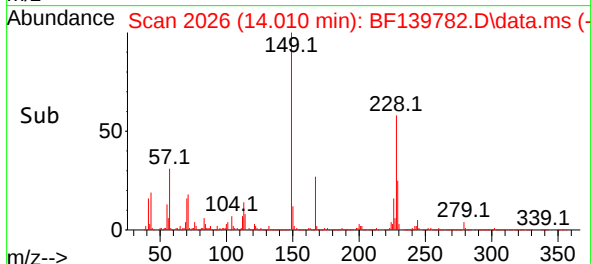
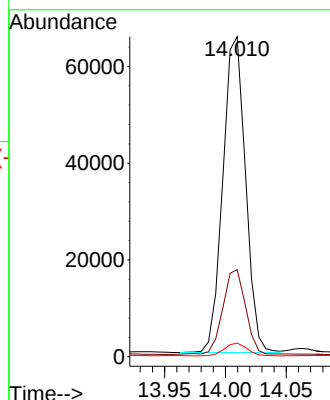
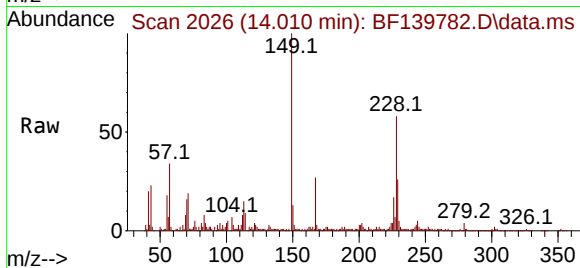
HD-01-100924MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 8463 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 167       | 27.2  | 21.7  | 32.5 |
| 279       | 4.3   | 3.2   | 4.8  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#85

Di-n-octyl phthalate

Concen: 15.741 ng

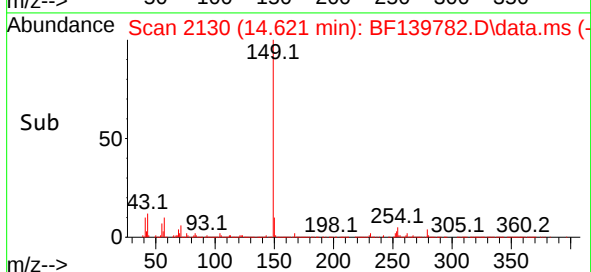
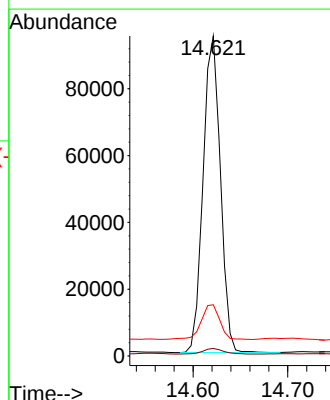
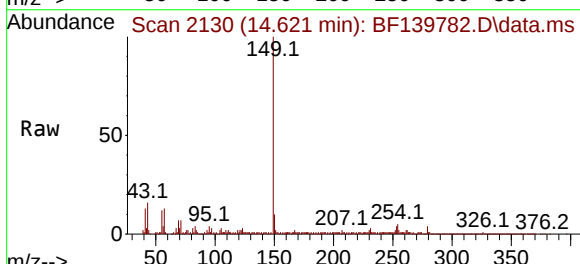
RT: 14.621 min Scan# 2130

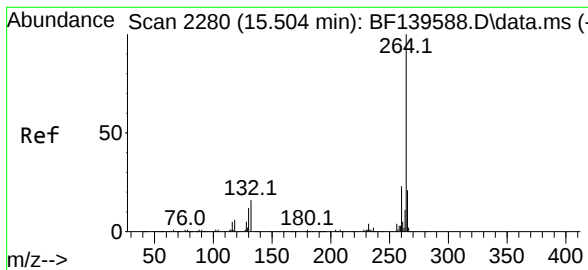
Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

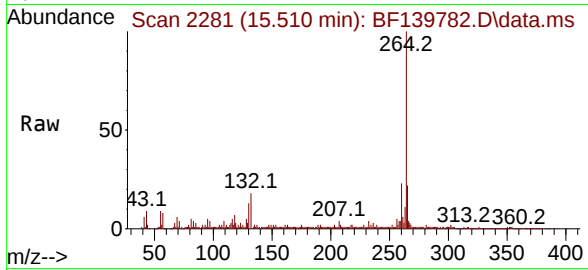
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 120115 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 2.2   | 1.3   | 1.9#   |
| 43        | 11.6  | 10.2  | 15.2   |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.510 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

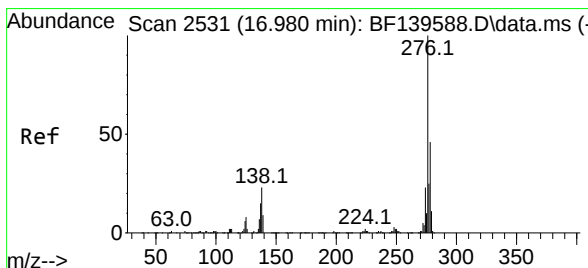
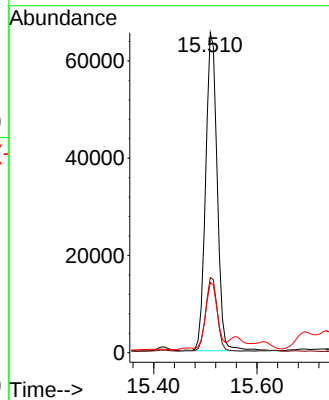
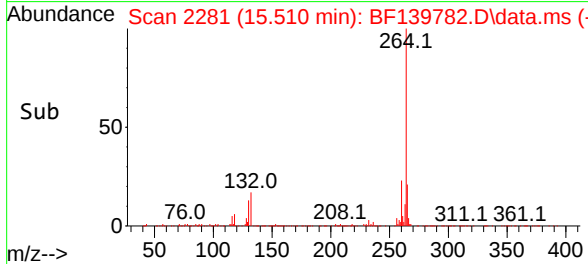
Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:264 Resp: 101730  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.7 28.1  
265 21.9 16.9 25.3

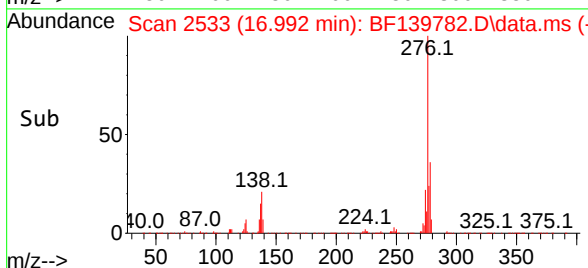
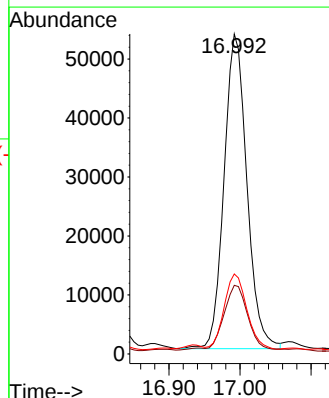
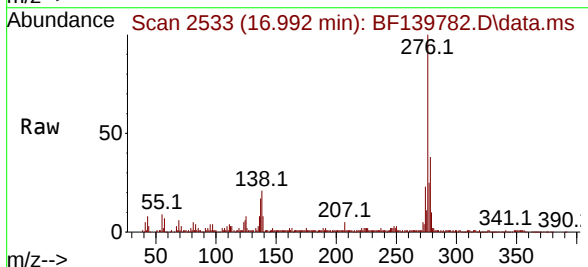
Manual Integrations  
APPROVED

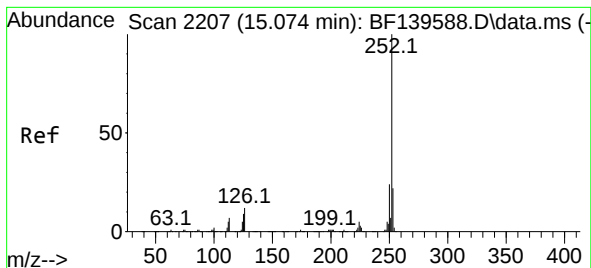
Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#87  
Indeno(1,2,3-cd)pyrene  
Concen: 19.909 ng  
RT: 16.992 min Scan# 2533  
Delta R.T. 0.012 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Tgt Ion:276 Resp: 119217  
Ion Ratio Lower Upper  
276 100  
138 20.8 19.4 29.0  
277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 36.642 ng m

RT: 15.080 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

Tgt Ion:252 Resp: 24103

Ion Ratio Lower Upper

252 100

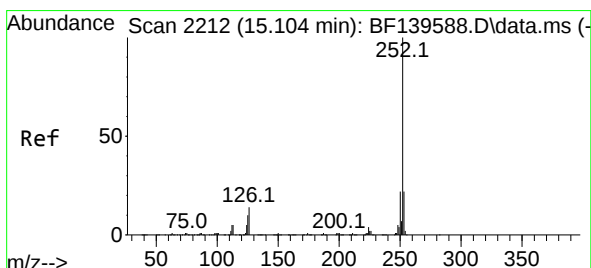
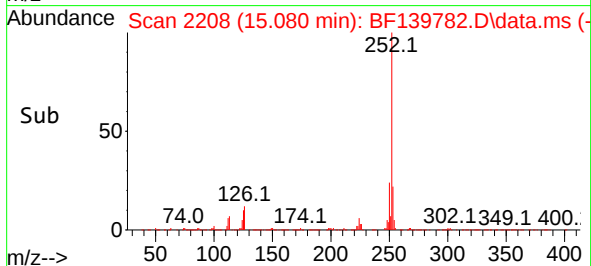
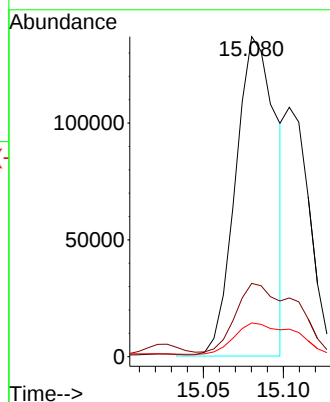
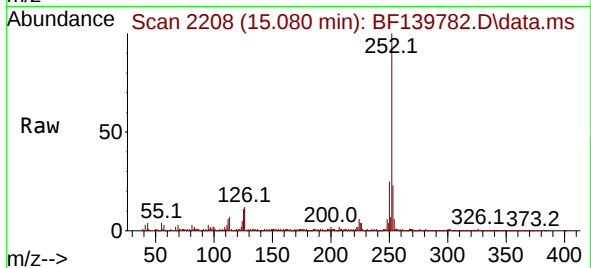
253 22.9 17.4 26.0

125 10.6 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#89

Benzo(k)fluoranthene

Concen: 20.282 ng m

RT: 15.104 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

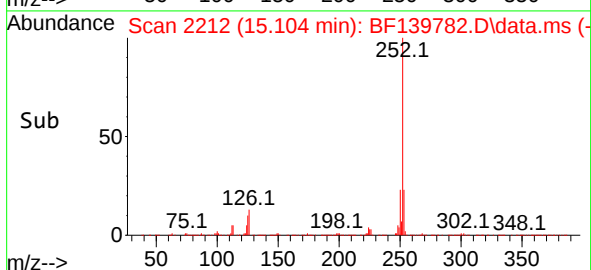
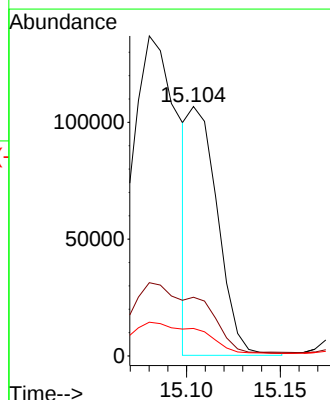
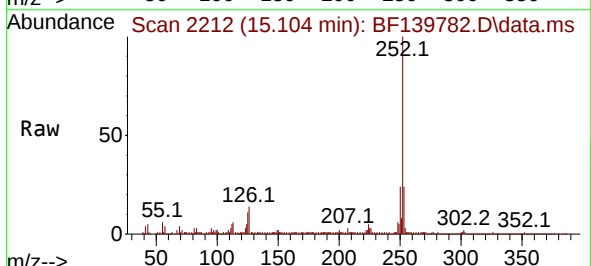
Tgt Ion:252 Resp: 113174

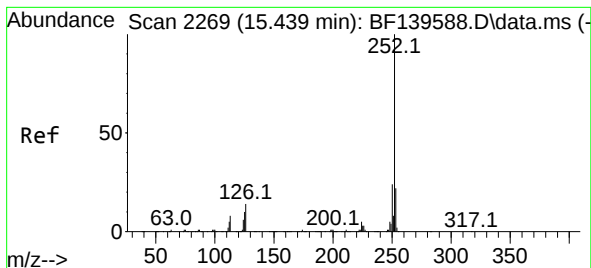
Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 11.0 7.6 11.4





#90

Benzo(a)pyrene

Concen: 33.188 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

Instrument :

BNA\_F

ClientSampleId :

HD-01-100924MS

Tgt Ion:252 Resp: 172139

Ion Ratio Lower Upper

252 100

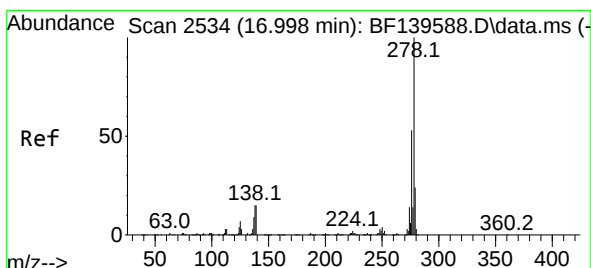
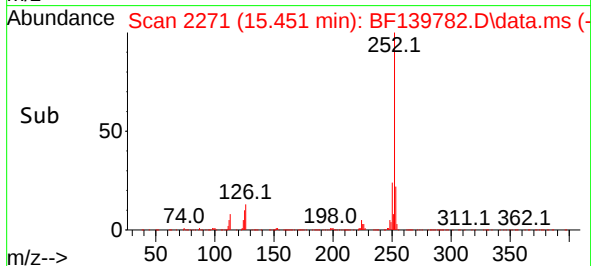
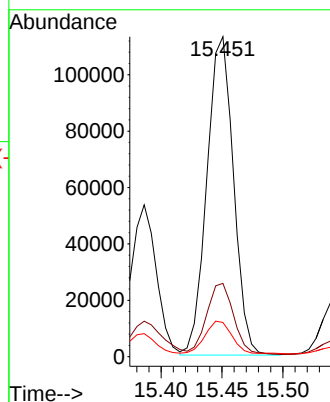
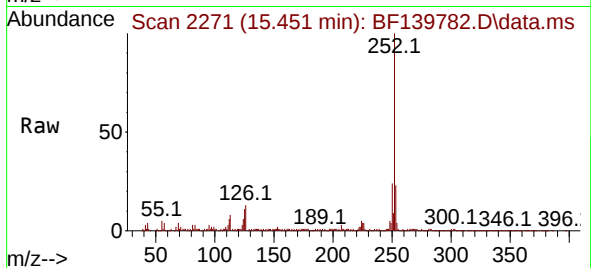
253 22.9 17.3 25.9

125 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024



#91

Dibenzo(a,h)anthracene

Concen: 12.991 ng

RT: 17.004 min Scan# 2535

Delta R.T. 0.006 min

Lab File: BF139782.D

Acq: 11 Oct 2024 18:39

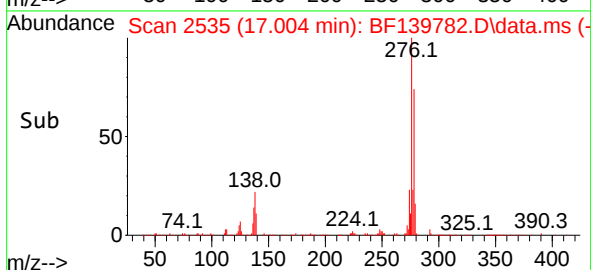
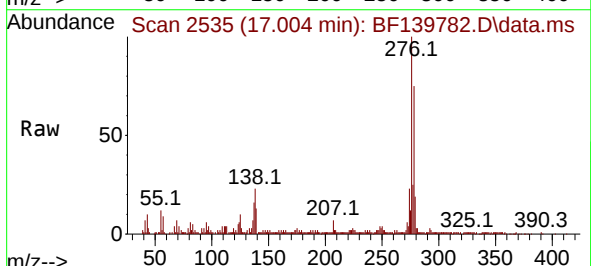
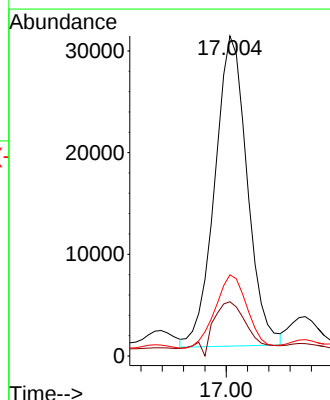
Tgt Ion:278 Resp: 64518

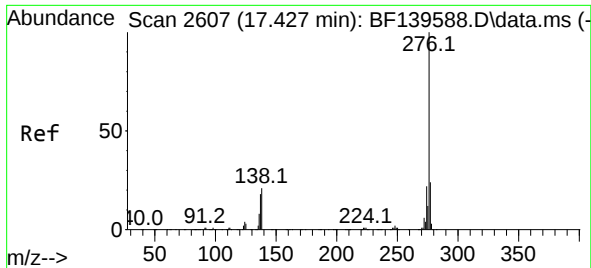
Ion Ratio Lower Upper

278 100

139 16.9 12.2 18.4

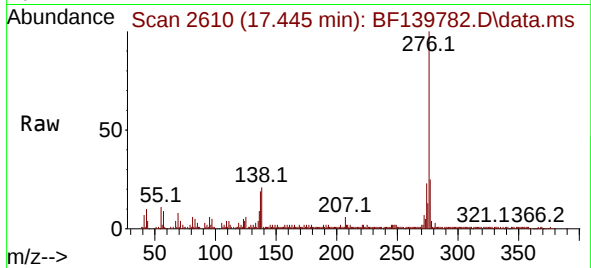
279 25.4 19.2 28.8





#92  
Benzo(g,h,i)perylene  
Concen: 19.980 ng  
RT: 17.445 min Scan# 20  
Delta R.T. 0.018 min  
Lab File: BF139782.D  
Acq: 11 Oct 2024 18:39

Instrument :  
BNA\_F  
ClientSampleId :  
HD-01-100924MS



Tgt Ion:276 Resp: 99520  
Ion Ratio Lower Upper  
276 100  
277 25.3 19.0 28.6  
138 21.2 17.0 25.6

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2024  
Supervised By :mohammad ahmed 10/15/2024

