

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102624\  
 Data File : BF140057.D  
 Acq On : 26 Oct 2024 13:58  
 Operator : RC/JU  
 Sample : P4547-05MS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BP-F-20MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
 Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:07:02 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 141513   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 556548   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 317233   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 543034   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 260710   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 285198   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 820534   | 90.772  | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1067394  | 91.171  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 666477   | 66.371  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 315066   | 106.179 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1180147  | 61.482  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1098755  | 68.674  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 163481   | 38.789  | ng    | 96       |
| 3) Pyridine                   | 3.534  | 79   | 421487   | 40.346  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.487  | 42   | 229191   | 40.833  | ng    | 99       |
| 6) Aniline                    | 6.551  | 93   | 269365   | 24.687  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.675  | 128  | 399582   | 43.239  | ng    | 97       |
| 9) Benzaldehyde               | 6.440  | 77   | 80183    | 12.174  | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 505299m  | 41.864  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 381599   | 40.903  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 427655   | 40.314  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 433619   | 40.914  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 421547   | 42.618  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 374711   | 43.632  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 628563   | 39.513  | ng    | 97       |
| 17) 2-Methylphenol            | 7.140  | 107  | 332765   | 42.229  | ng    | 98       |
| 18) Hexachloroethane          | 7.404  | 117  | 157555   | 41.689  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 291673   | 41.077  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 411024   | 40.780  | ng    | 91       |
| 22) Acetophenone              | 7.298  | 105  | 546224   | 40.070  | ng    | 99       |
| 24) Nitrobenzene              | 7.469  | 77   | 444845   | 40.405  | ng    | 100      |
| 25) Isophorone                | 7.710  | 82   | 806462   | 42.314  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 212287   | 51.111  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 334505   | 48.299  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 475584   | 41.186  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 337939   | 42.839  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 351789   | 40.302  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1167784  | 40.685  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 233878   | 38.718  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 71391    | 7.294   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 229130   | 41.779  | ng    | 98       |
| 35) Caprolactam               | 8.610  | 113  | 107918m  | 43.025  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 376264   | 43.076  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 746283   | 42.453  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 692977   | 40.179  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 357398   | 41.760  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 397201   | 133.382 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 263544   | 43.494  | ng    | 99       |

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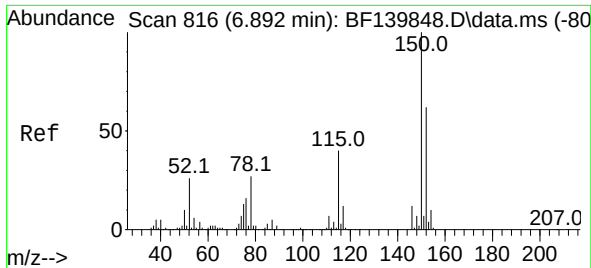
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
 Supervised By :mohammad ahmed 10/29/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 261831   | 41.883  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 897739   | 40.651  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 722337   | 40.611  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.469  | 65   | 247740   | 45.541  | ng    | 92       |
| 49) Acenaphthylene            | 9.792  | 152  | 1115565  | 43.383  | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 848076   | 42.919  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 187243   | 43.765  | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 771182   | 46.360  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 83523    | 18.931  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 181712   | 100.411 | ng    | # 1      |
| 55) Dibenzofuran              | 10.133 | 168  | 987172   | 41.362  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 284342   | 83.767  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 252272   | 47.949  | ng    | 98       |
| 58) Fluorene                  | 10.480 | 166  | 741599   | 40.796  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 215904   | 44.055  | ng    | 98       |
| 60) Diethylphthalate          | 10.351 | 149  | 822061   | 42.372  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 386856   | 42.141  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 176142   | 42.270  | ng    | 98       |
| 63) Azobenzene                | 10.628 | 77   | 922575   | 44.854  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 132583   | 59.857  | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 692666   | 42.618  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 248603   | 44.439  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 268605   | 42.692  | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 226459   | 51.437  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 307411   | 80.506  | ng    | 100      |
| 71) Phenanthrene              | 11.439 | 178  | 1063947  | 41.478  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1103909  | 44.109  | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 917821   | 39.433  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1182778  | 43.984  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 983519   | 37.929  | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 230453   | 53.757  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 962217   | 42.164  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 378474   | 55.318  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 726535   | 42.809  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 110608   | 22.353  | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 637684   | 40.980  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 475998   | 62.011  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 747779   | 53.559  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 702784   | 38.304  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 691475   | 39.802  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 677714   | 45.233  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 662337   | 46.333  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 588503   | 38.449  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 492985   | 32.245  | ng    | 98       |

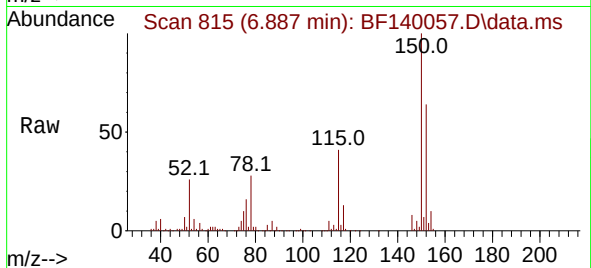
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.005 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

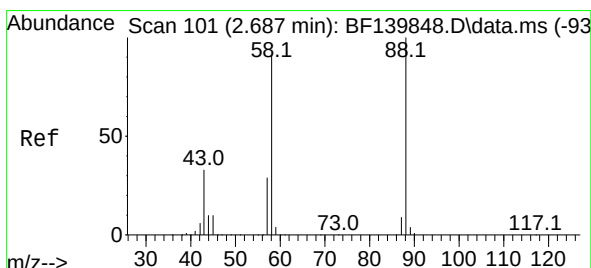
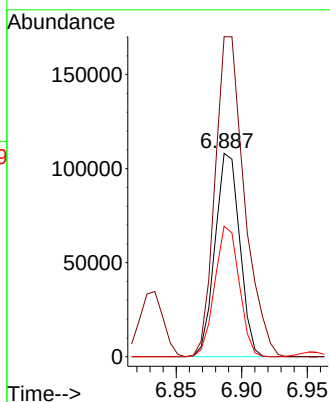
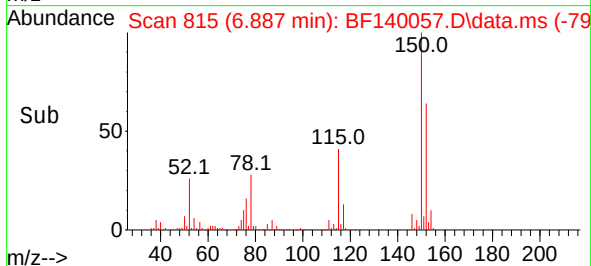
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:152 Resp: 14151  
Ion Ratio Lower Upper  
152 100  
150 157.3 130.2 195.2  
115 64.1 51.4 77.2

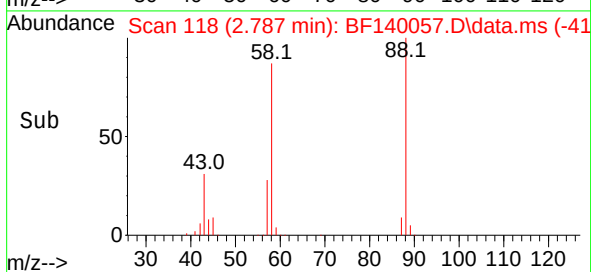
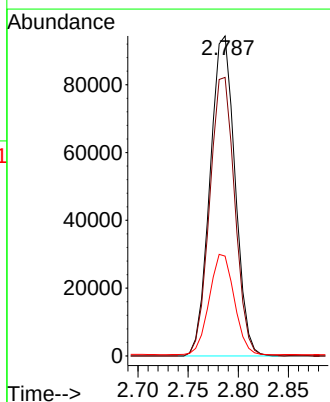
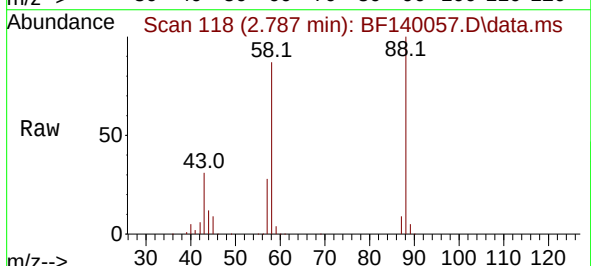
Manual Integrations  
APPROVED

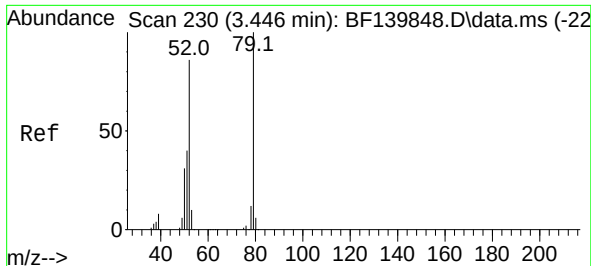
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#2  
1,4-Dioxane  
Concen: 38.789 ng  
RT: 2.787 min Scan# 118  
Delta R.T. 0.100 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion: 88 Resp: 163481  
Ion Ratio Lower Upper  
88 100  
58 87.4 73.3 109.9  
43 31.3 27.1 40.7





#3

Pyridine

Concen: 40.346 ng

RT: 3.534 min Scan# 245

Delta R.T. 0.088 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion: 79 Resp: 42148

Ion Ratio Lower Upper

79 100

52 81.1 68.5 102.7

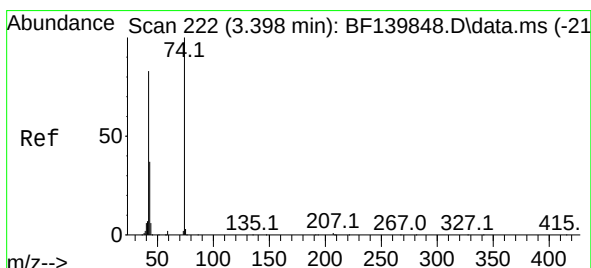
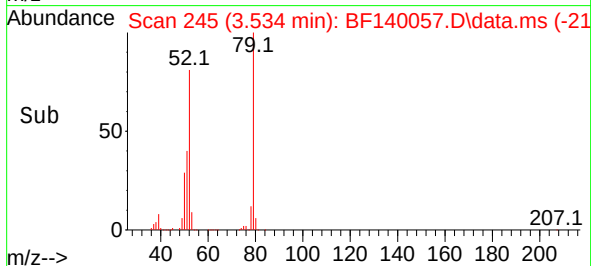
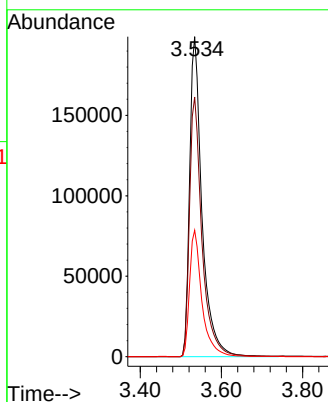
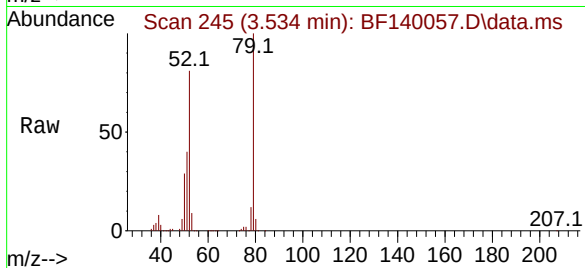
51 39.5 32.3 48.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#4

n-Nitrosodimethylamine

Concen: 40.833 ng

RT: 3.487 min Scan# 237

Delta R.T. 0.088 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

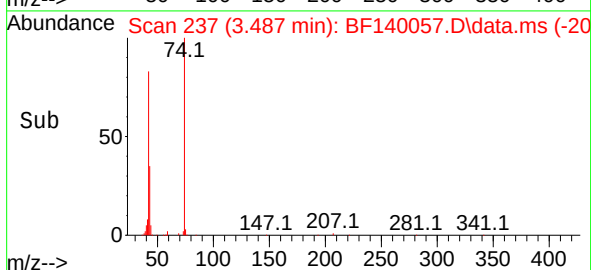
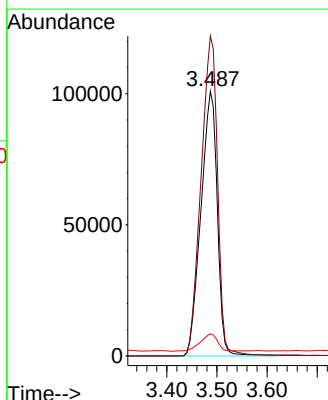
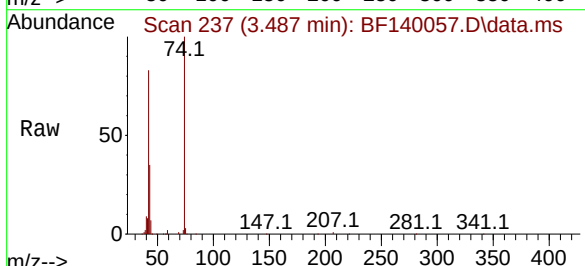
Tgt Ion: 42 Resp: 229191

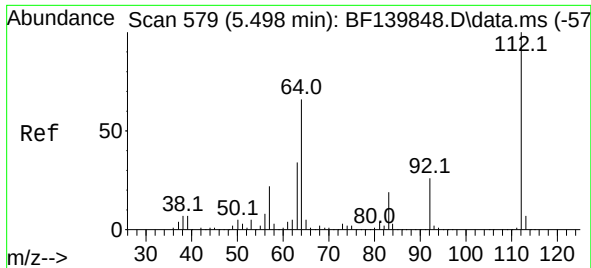
Ion Ratio Lower Upper

42 100

74 120.9 96.2 144.4

44 8.3 6.2 9.2





#5  
2-Fluorophenol  
Concen: 90.772 ng  
RT: 5.516 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

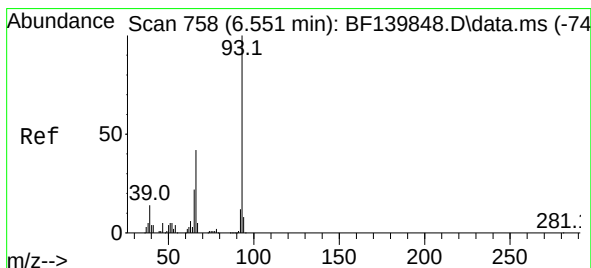
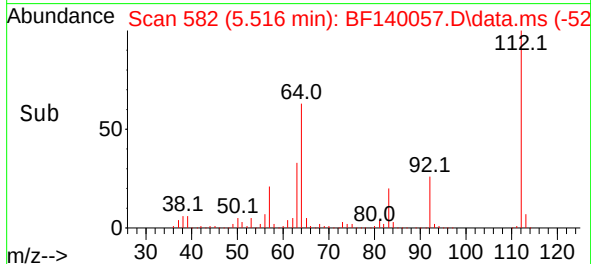
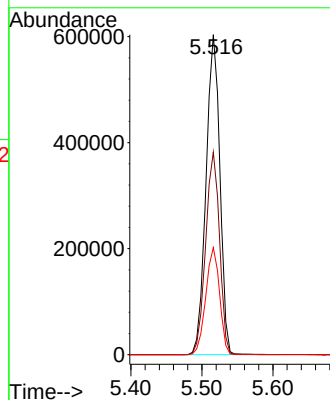
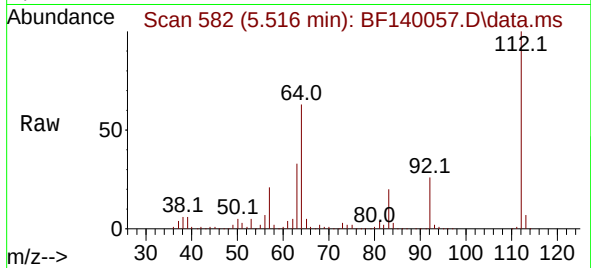
BP-F-20MS

Tgt Ion:112 Resp: 820534  
Ion Ratio Lower Upper  
112 100  
64 63.3 53.0 79.6  
63 33.4 27.0 40.4

Manual Integrations

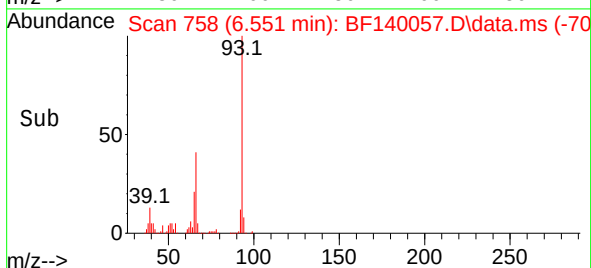
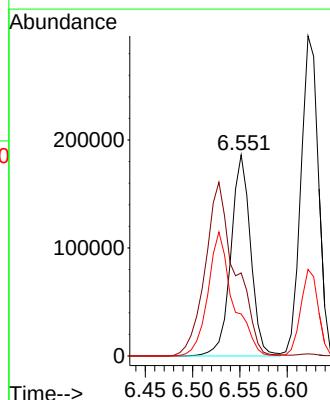
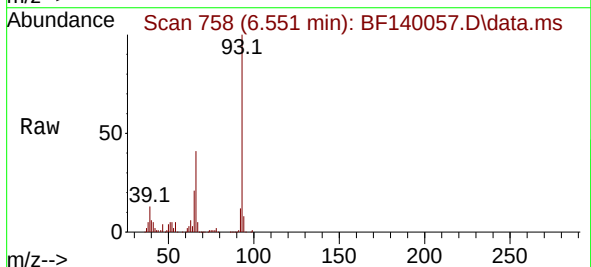
APPROVED

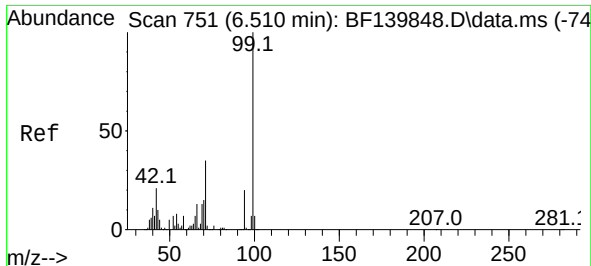
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#6  
Aniline  
Concen: 24.687 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion: 93 Resp: 269365  
Ion Ratio Lower Upper  
93 100  
66 41.3 34.0 51.0  
65 20.9 17.4 26.0





#7

Phenol-d6

Concen: 91.171 ng

RT: 6.516 min Scan# 751

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion: 99 Resp: 1067394

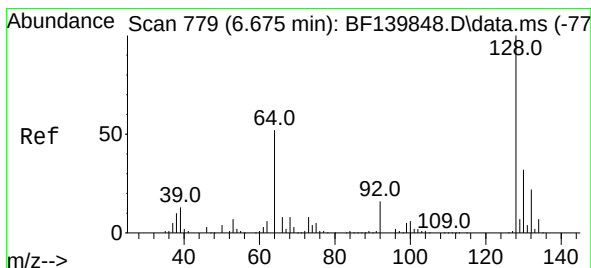
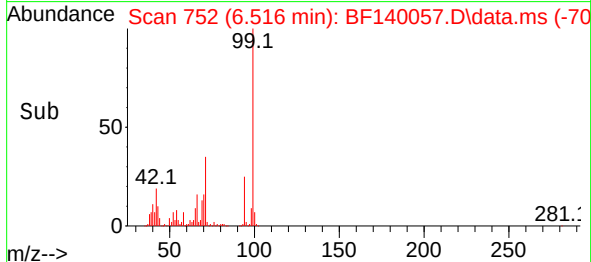
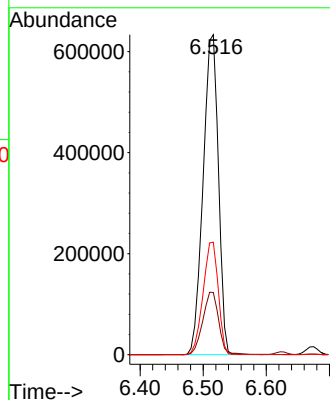
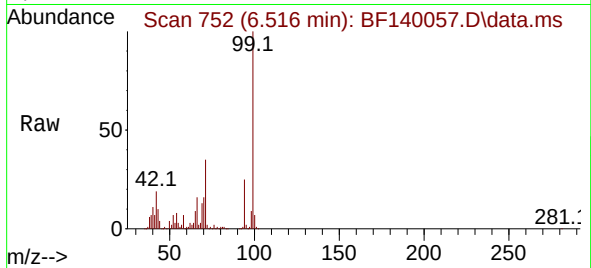
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.4  | 16.7  | 25.1  |
| 71  | 35.2  | 27.7  | 41.5  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#8

2-Chlorophenol

Concen: 43.239 ng

RT: 6.675 min Scan# 779

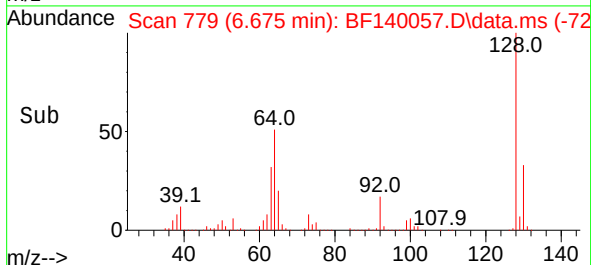
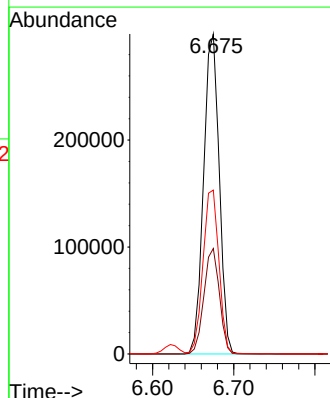
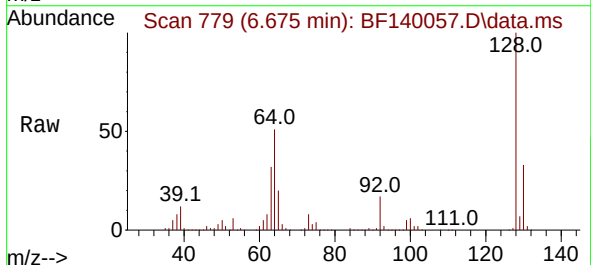
Delta R.T. 0.000 min

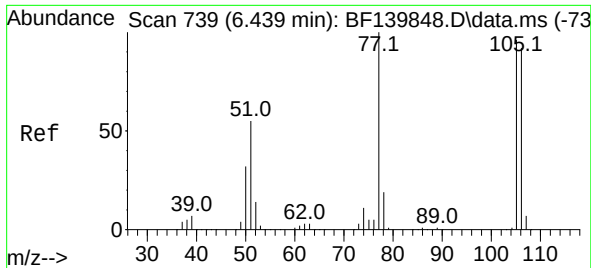
Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Tgt Ion:128 Resp: 399582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.0  | 12.3  | 52.3  |
| 64  | 51.2  | 34.6  | 74.6  |





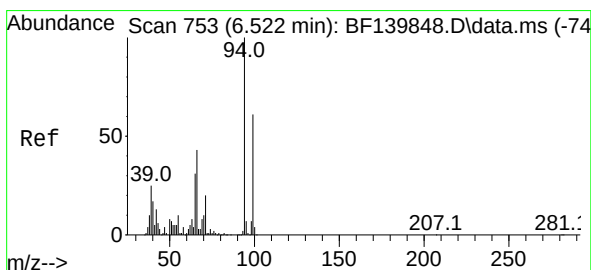
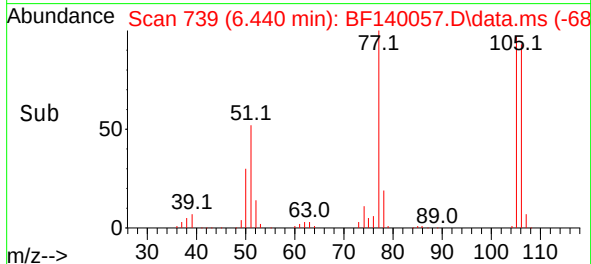
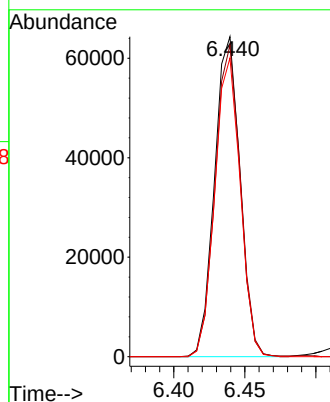
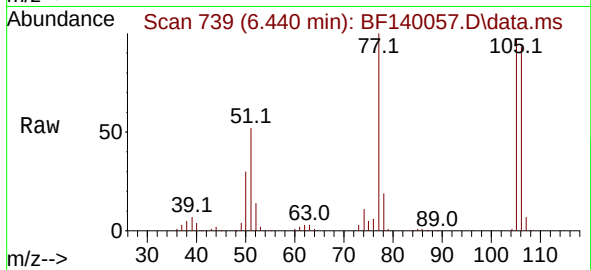
#9  
Benzaldehyde  
Concen: 12.174 ng  
RT: 6.440 min Scan# 740  
Delta R.T. 0.001 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS

Tgt Ion: 77 Resp: 80183  
Ion Ratio Lower Upper  
77 100  
105 97.4 75.5 115.5  
106 93.4 71.7 111.7

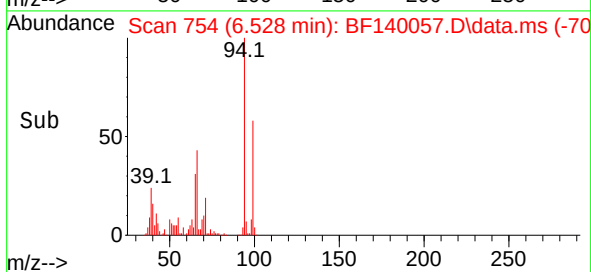
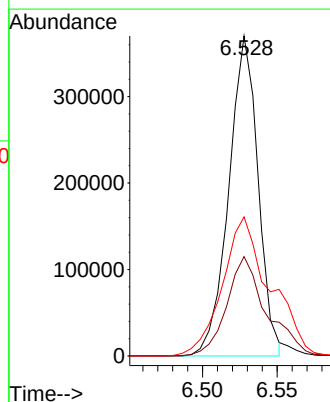
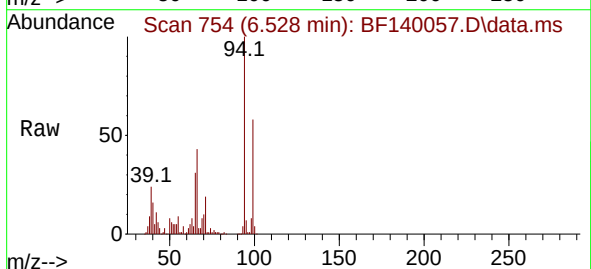
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

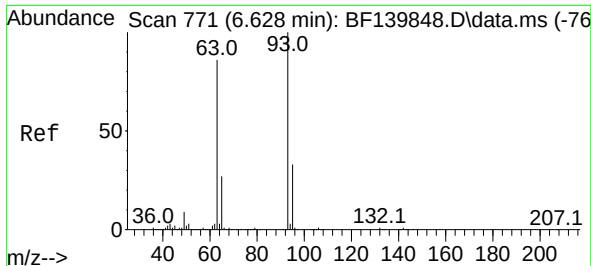


#10  
Phenol  
Concen: 41.864 ng m  
RT: 6.528 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion: 94 Resp: 505299  
Ion Ratio Lower Upper  
94 100  
65 31.0 11.1 51.1  
66 43.5 22.7 62.7







#11

bis(2-Chloroethyl)ether

Concen: 40.903 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF140057.D

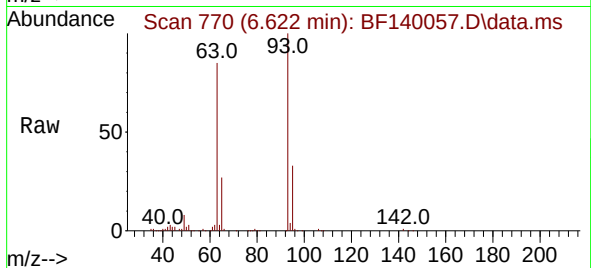
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



Tgt Ion: 93 Resp: 381599

Ion Ratio Lower Upper

93 100

63 85.5 65.0 105.0

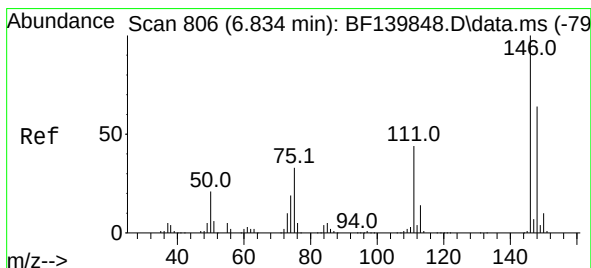
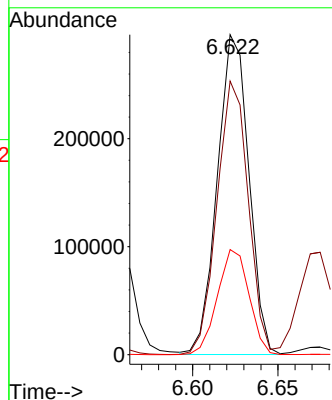
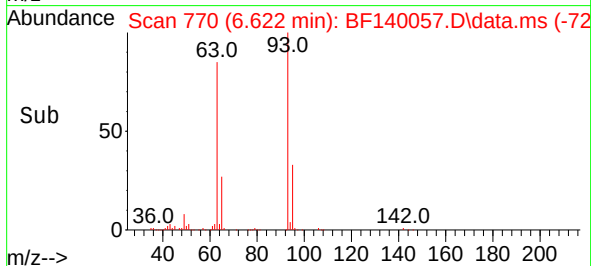
95 32.8 12.4 52.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#12

1,3-Dichlorobenzene

Concen: 40.314 ng

RT: 6.834 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

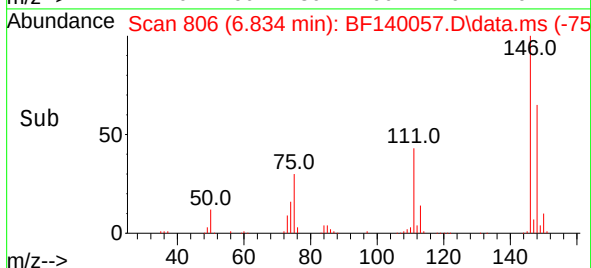
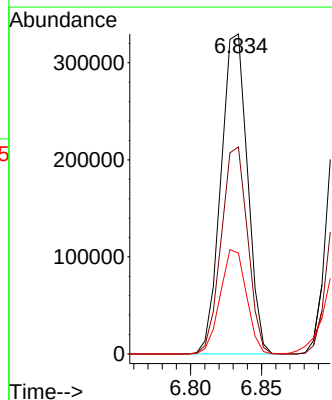
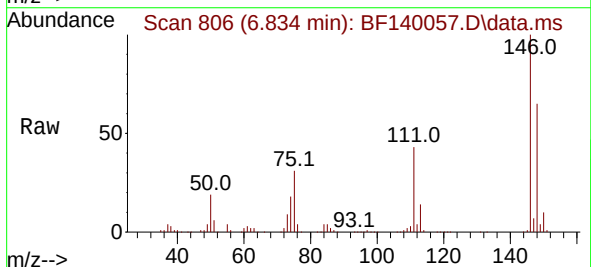
Tgt Ion:146 Resp: 427655

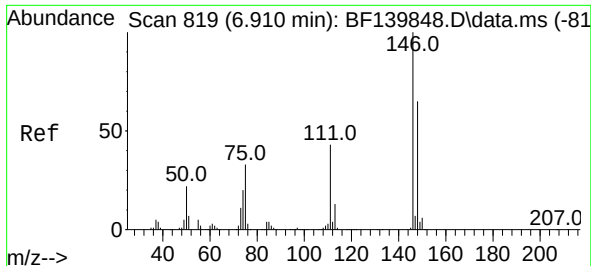
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.4

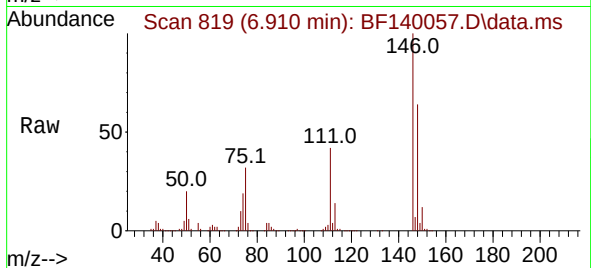
75 31.5 26.4 39.6





#13  
1,4-Dichlorobenzene  
Concen: 40.914 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

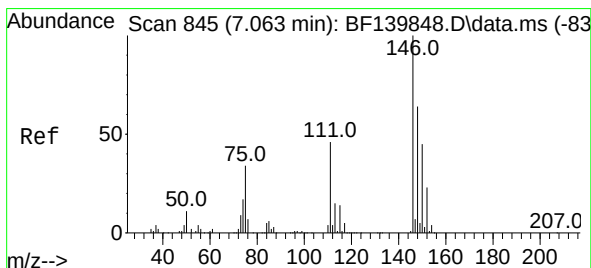
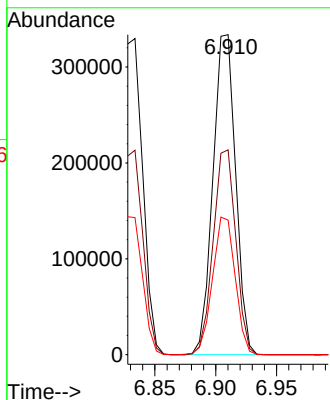
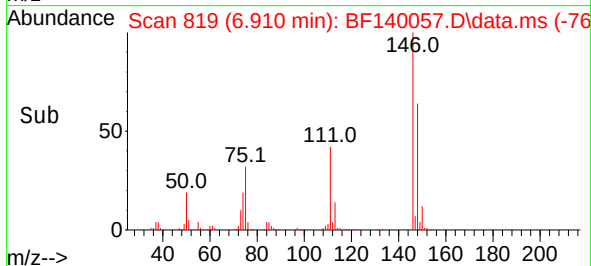
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



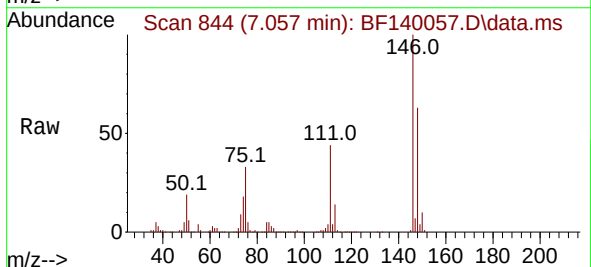
Tgt Ion:146 Resp: 433619  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.8 77.8  
111 42.0 34.6 51.8

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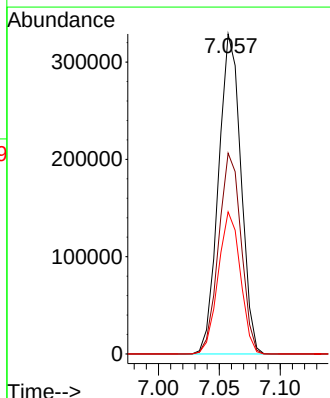
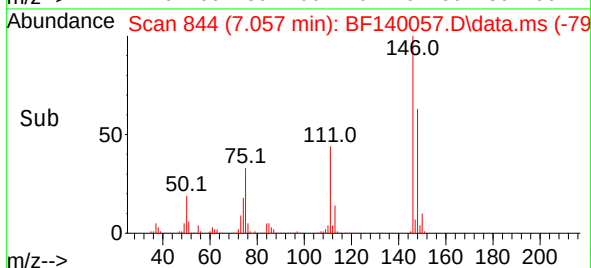
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

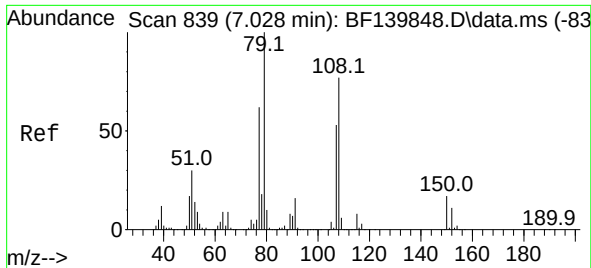


#14  
1,2-Dichlorobenzene  
Concen: 42.618 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



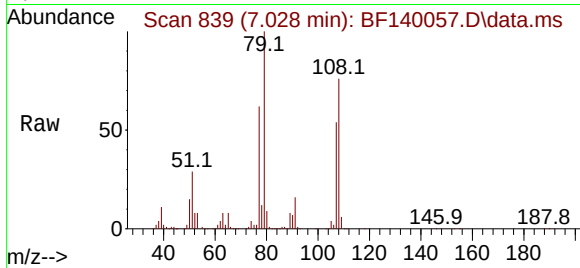
Tgt Ion:146 Resp: 421547  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.4 77.2  
111 44.4 36.7 55.1





#15  
Benzyl Alcohol  
Concen: 43.632 ng  
RT: 7.028 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

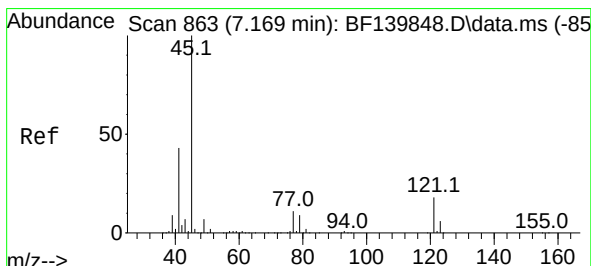
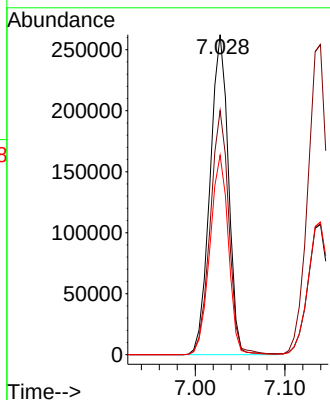
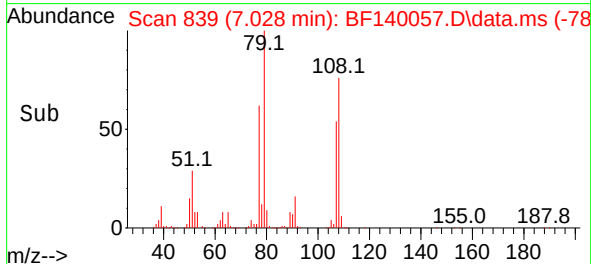
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion: 79 Resp: 374711  
Ion Ratio Lower Upper  
79 100  
108 76.3 61.4 92.0  
77 62.4 49.9 74.9

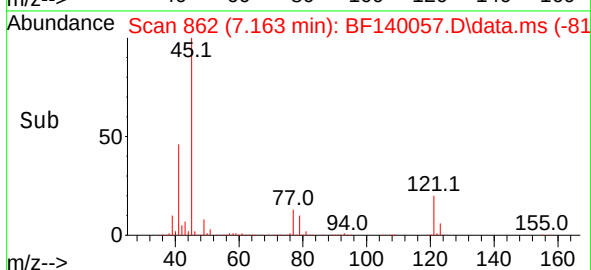
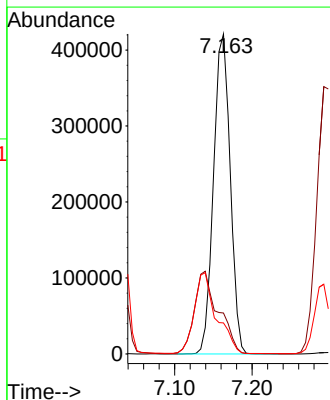
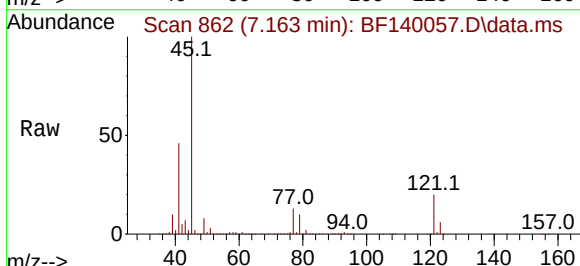
Manual Integrations  
APPROVED

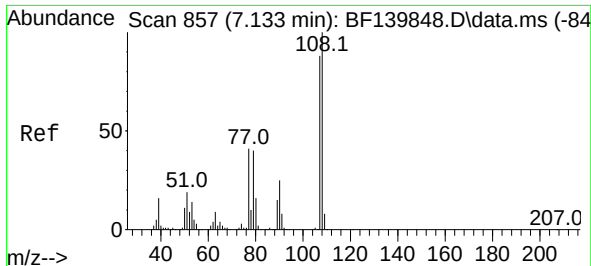
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.513 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion: 45 Resp: 628563  
Ion Ratio Lower Upper  
45 100  
77 12.8 0.0 31.5  
79 9.7 0.0 29.1





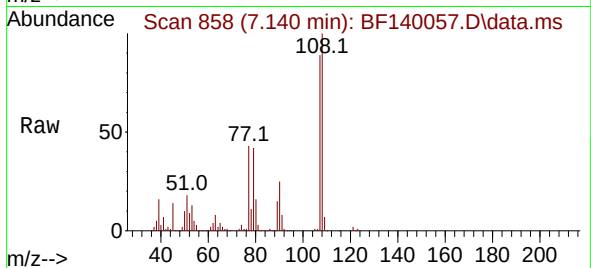
#17  
2-Methylphenol  
Concen: 42.229 ng  
RT: 7.140 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

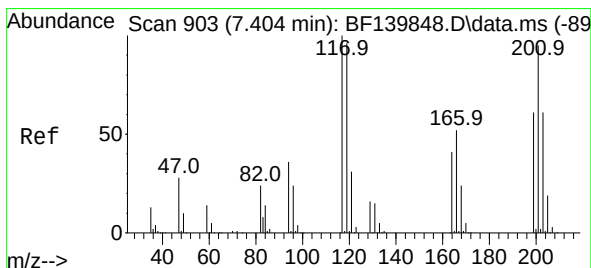
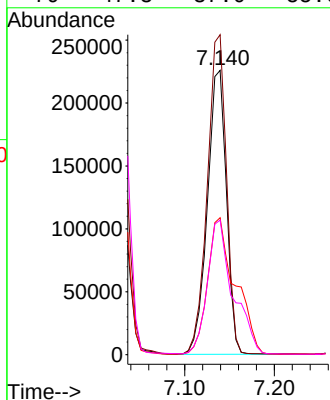
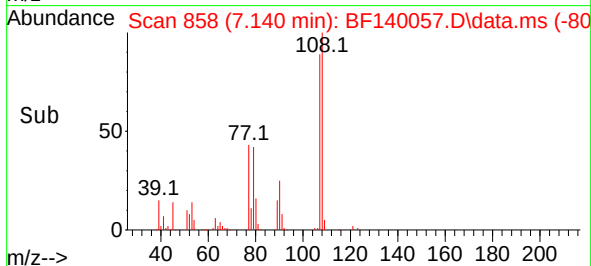


Tgt Ion:107 Resp: 332765  
Ion Ratio Lower Upper  
107 100  
108 112.5 91.3 136.9  
77 48.1 37.1 55.7  
79 47.3 37.0 55.6

Manual Integrations

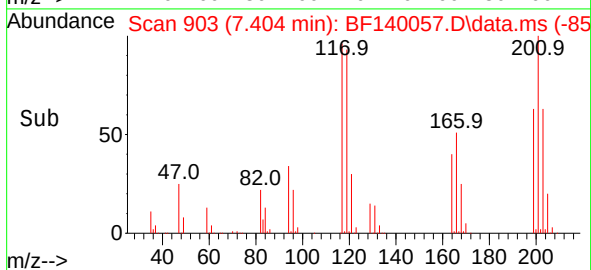
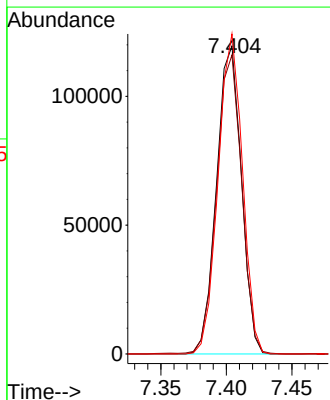
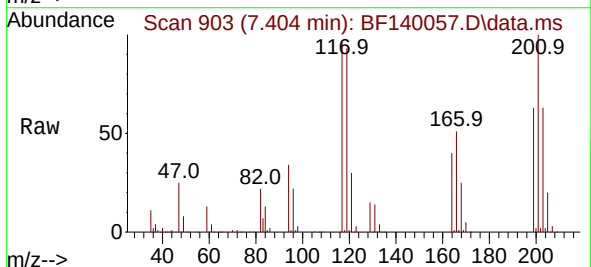
APPROVED

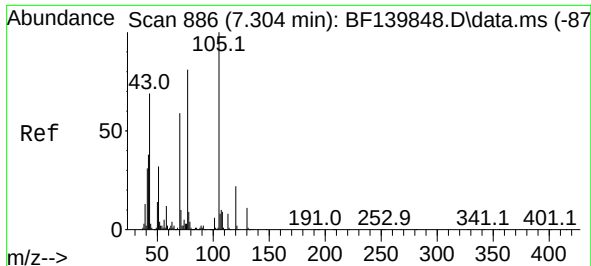
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#18  
Hexachloroethane  
Concen: 41.689 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

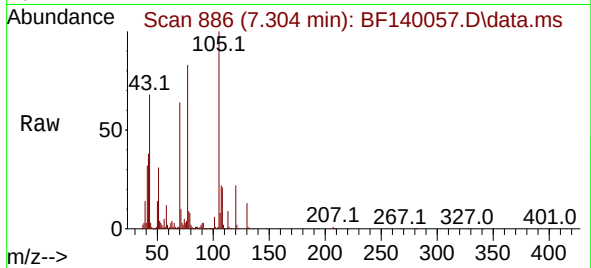
Tgt Ion:117 Resp: 157555  
Ion Ratio Lower Upper  
117 100  
119 97.1 77.0 115.4  
201 103.9 76.2 114.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 41.077 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

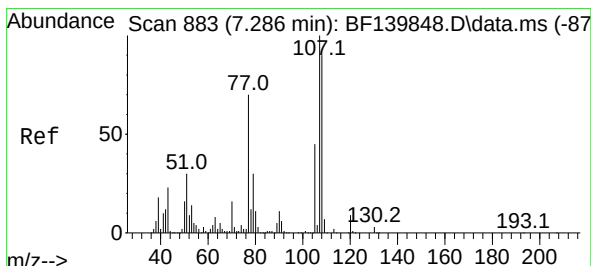
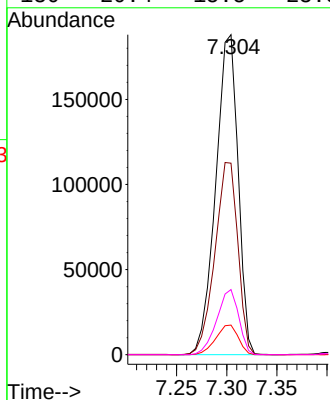
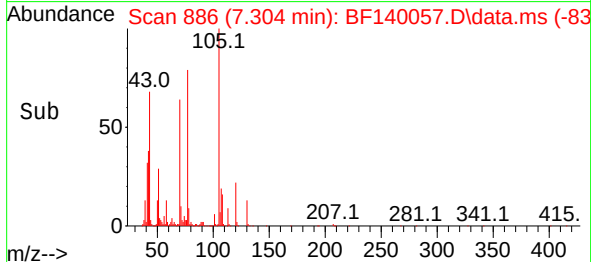
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



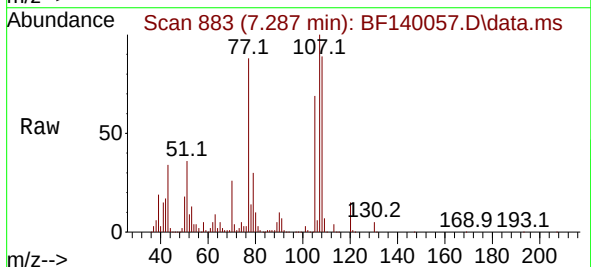
Tgt Ion: 70 Resp: 291673  
Ion Ratio Lower Upper  
70 100  
42 59.8 51.5 77.3  
101 9.2 7.5 11.3  
130 20.4 15.5 23.3

Manual Integrations  
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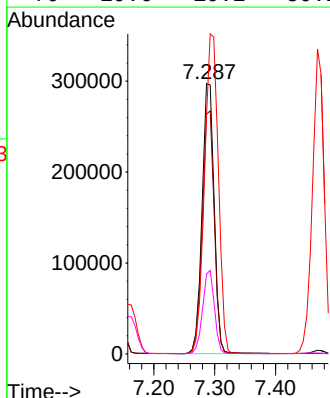
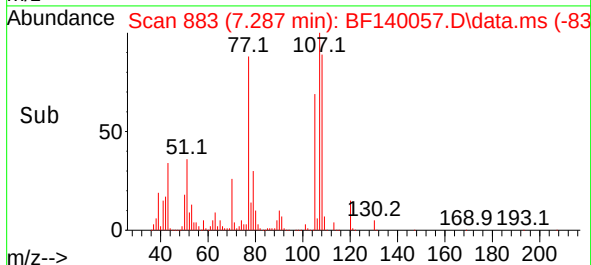
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

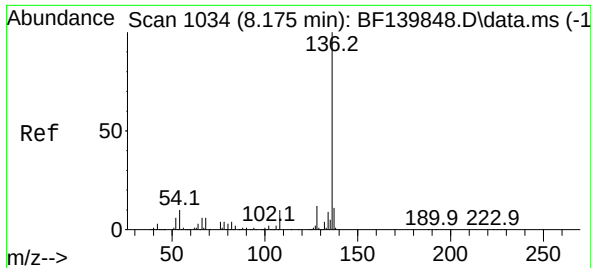


#20  
3+4-Methylphenols  
Concen: 40.780 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



Tgt Ion:107 Resp: 411024  
Ion Ratio Lower Upper  
107 100  
108 88.7 69.8 109.8  
77 88.1 50.5 90.5  
79 29.6 10.2 50.2





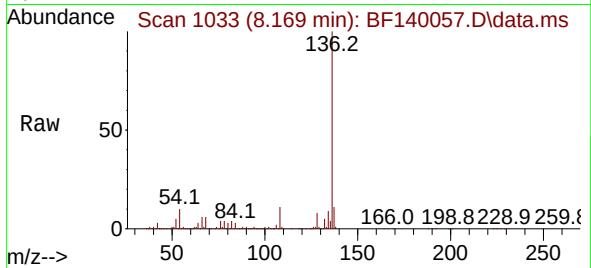
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



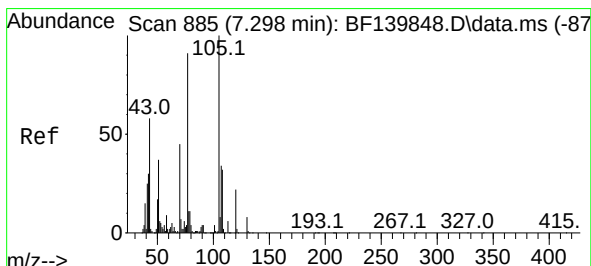
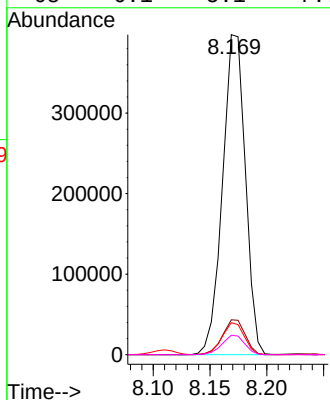
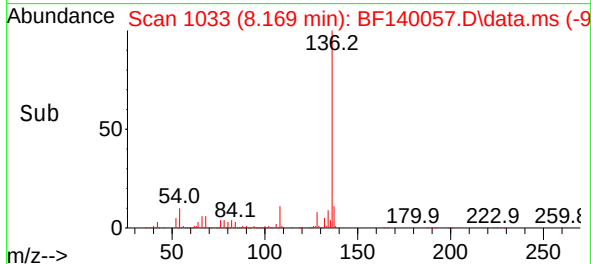
Tgt Ion:136 Resp: 556548  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 10.0 8.4 12.6  
68 6.1 5.1 7.7

Manual Integrations

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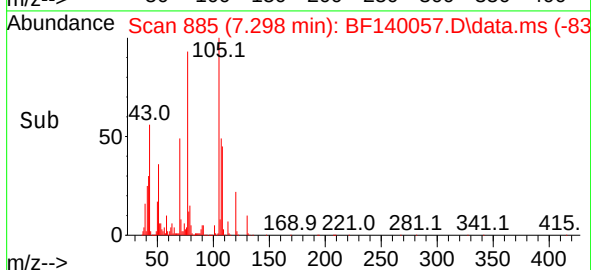
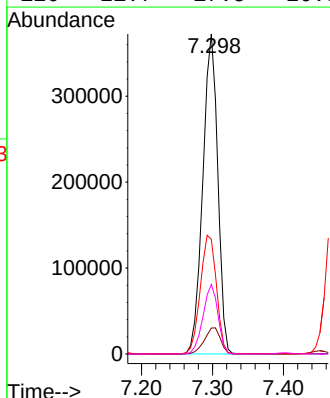
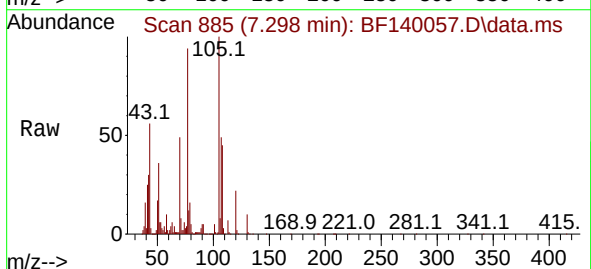
Reviewed By :Yogesh Patel 10/29/2024

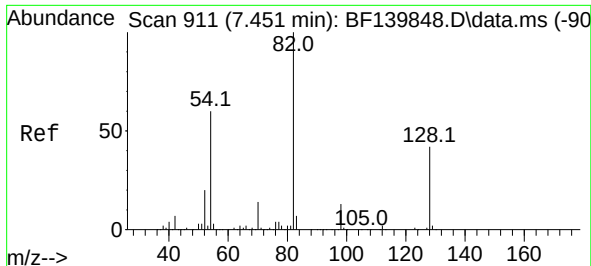
Supervised By :mohammad ahmed 10/29/2024



#22  
Acetophenone  
Concen: 40.070 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:105 Resp: 546224  
Ion Ratio Lower Upper  
105 100  
71 8.1 5.9 8.9  
51 35.9 29.4 44.2  
120 21.7 17.5 26.3





#23

Nitrobenzene-d5

Concen: 66.371 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

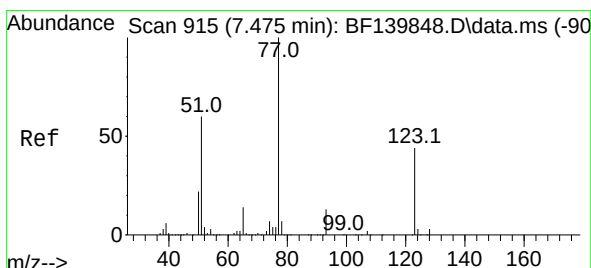
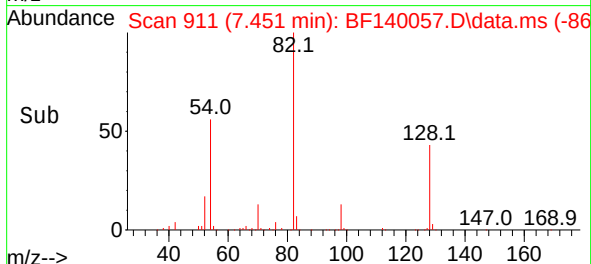
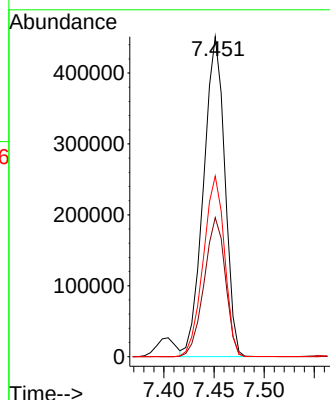
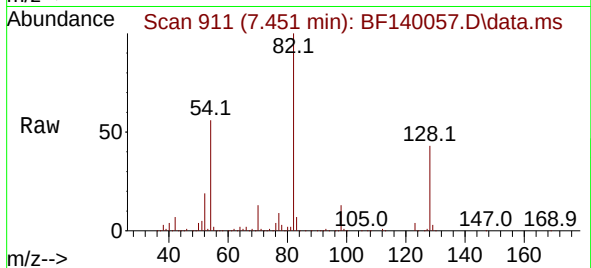
ClientSampleId :

BP-F-20MS

Tgt Ion: 82 Resp: 66647  
 Ion Ratio Lower Upper  
 82 100  
 128 43.5 33.4 50.0  
 54 56.4 47.8 71.8

Manual Integrations  
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Reviewed By :Yogesh Patel 10/29/2024  
 Supervised By :mohammad ahmed 10/29/2024



#24

Nitrobenzene

Concen: 40.405 ng

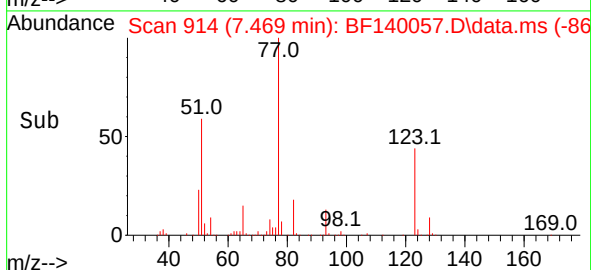
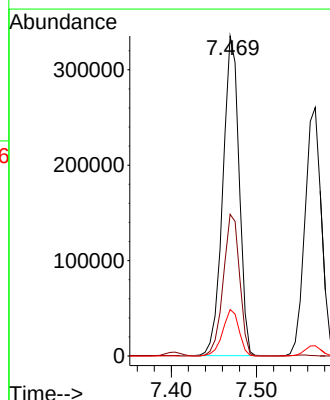
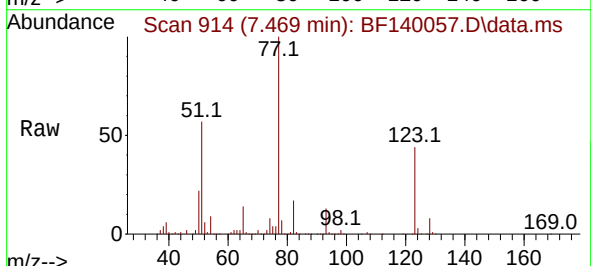
RT: 7.469 min Scan# 914

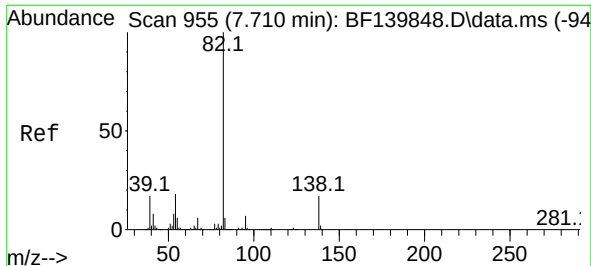
Delta R.T. -0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

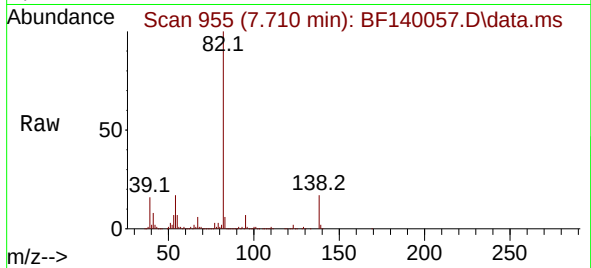
Tgt Ion: 77 Resp: 444845  
 Ion Ratio Lower Upper  
 77 100  
 123 44.3 35.7 53.5  
 65 14.5 11.5 17.3





#25  
Isophorone  
Concen: 42.314 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

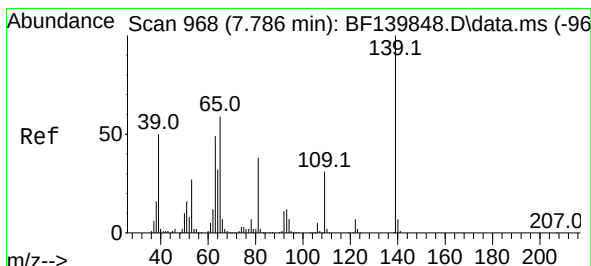
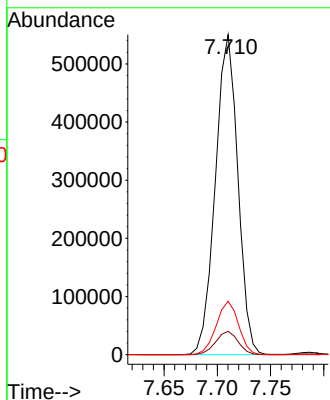
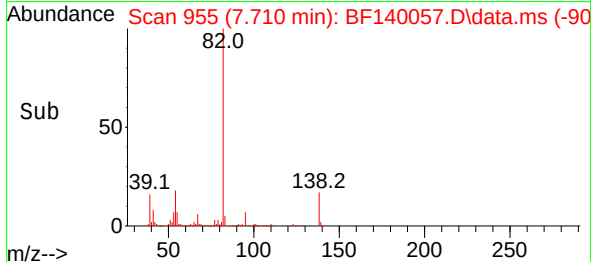
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion: 82 Resp: 806462  
Ion Ratio Lower Upper  
82 100  
95 7.3 5.5 8.3  
138 16.7 13.2 19.8

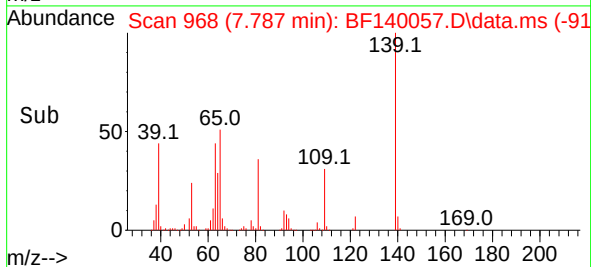
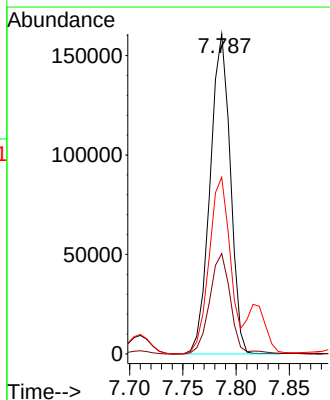
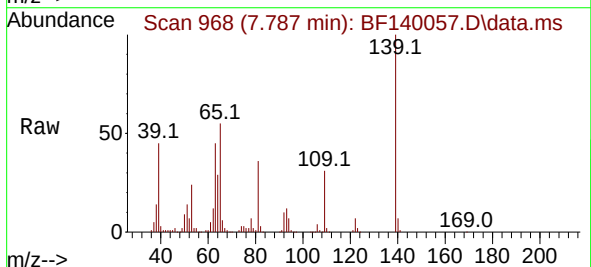
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

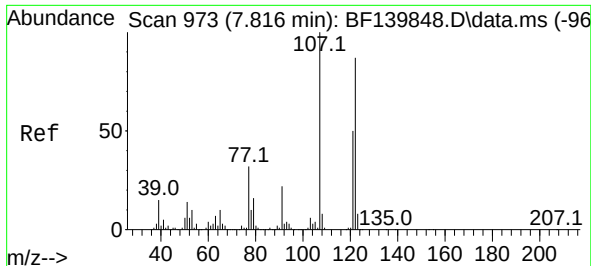


#26  
2-Nitrophenol  
Concen: 51.111 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:139 Resp: 212287  
Ion Ratio Lower Upper  
139 100  
109 31.3 25.1 37.7  
65 55.2 47.5 71.3

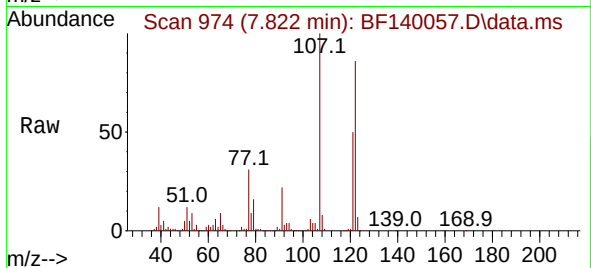






#27  
2,4-Dimethylphenol  
Concen: 48.299 ng  
RT: 7.822 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

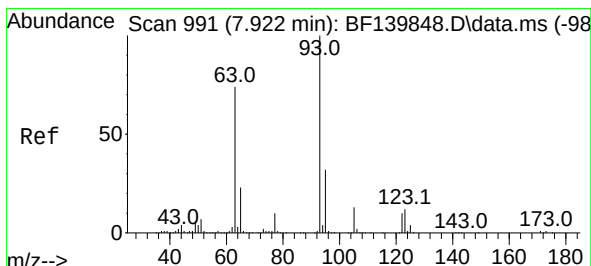
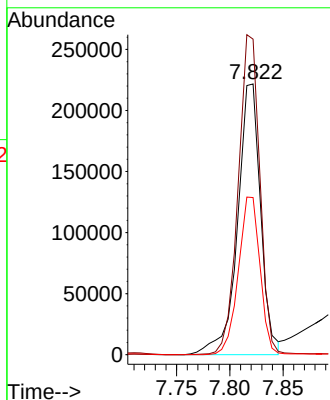
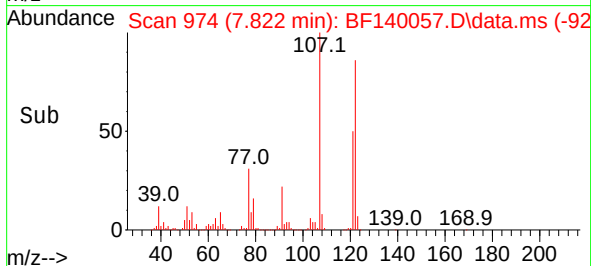
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



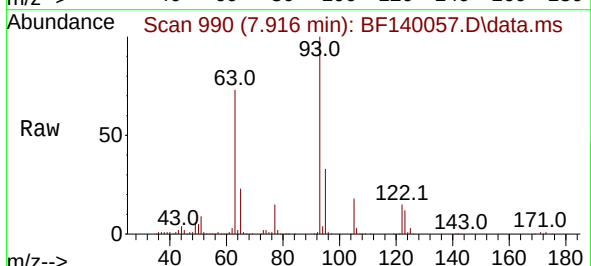
Tgt Ion:122 Resp: 334504  
Ion Ratio Lower Upper  
122 100  
107 116.5 91.9 137.9  
121 58.0 46.2 69.4

Manual Integrations  
APPROVED

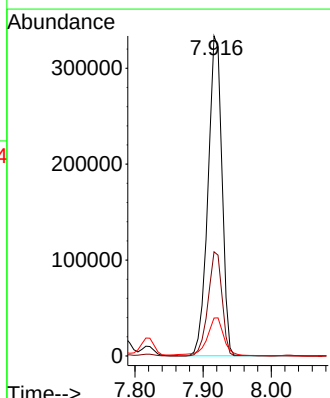
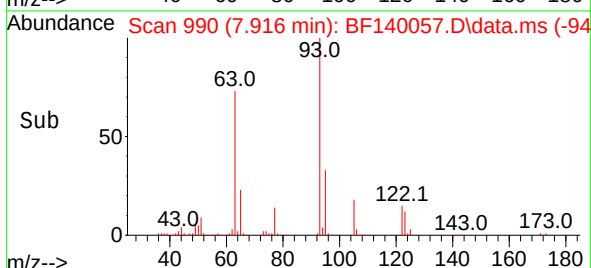
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

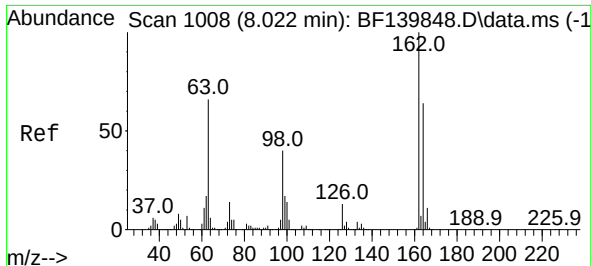


#28  
bis(2-Chloroethoxy)methane  
Concen: 41.186 ng  
RT: 7.916 min Scan# 990  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



Tgt Ion: 93 Resp: 475584  
Ion Ratio Lower Upper  
93 100  
95 32.5 26.0 39.0  
123 11.9 9.8 14.8





#29  
2,4-Dichlorophenol  
Concen: 42.839 ng  
RT: 8.028 min Scan# 1008  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

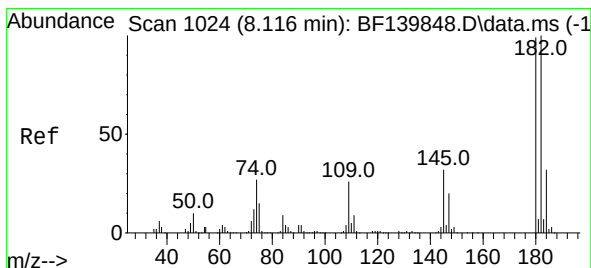
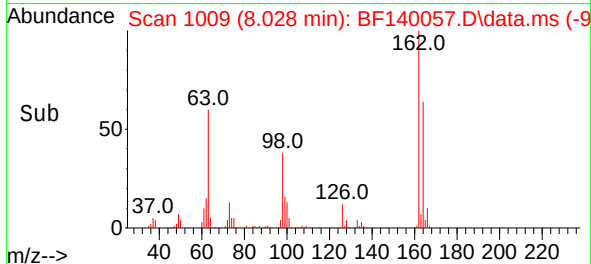
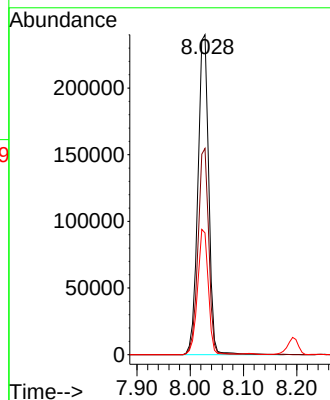
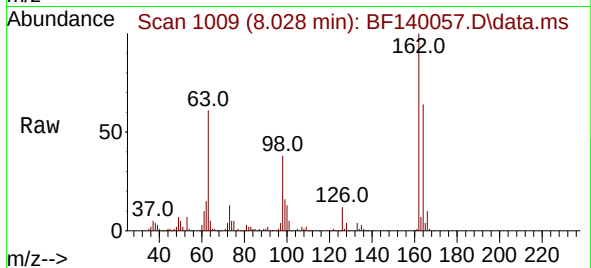
BP-F-20MS

Tgt Ion:162 Resp: 337939  
Ion Ratio Lower Upper  
162 100  
164 64.5 43.9 83.9  
98 38.0 19.9 59.9

Manual Integrations

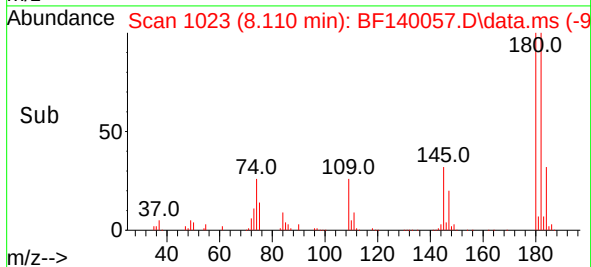
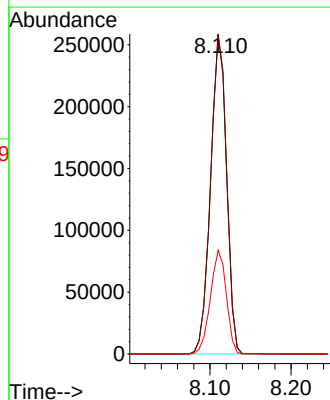
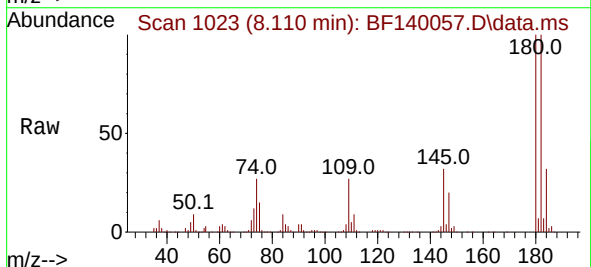
APPROVED

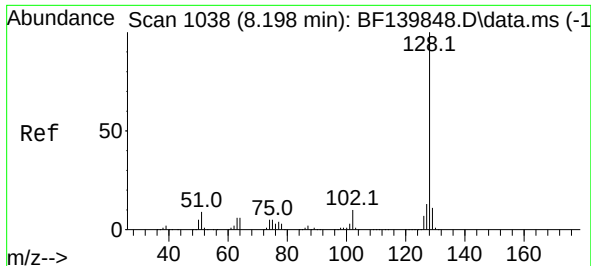
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 40.302 ng  
RT: 8.110 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

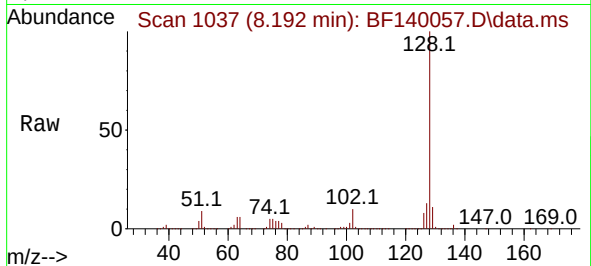
Tgt Ion:180 Resp: 351789  
Ion Ratio Lower Upper  
180 100  
182 100.3 80.5 120.7  
145 32.5 25.4 38.0





#31  
Naphthalene  
Concen: 40.685 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

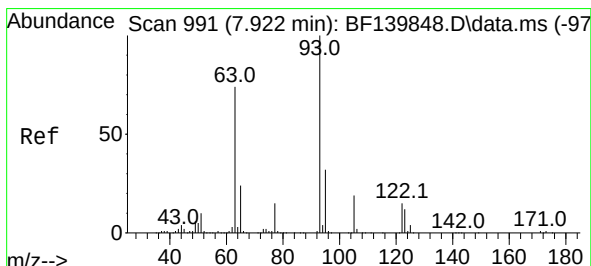
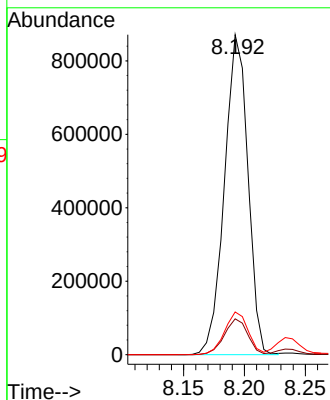
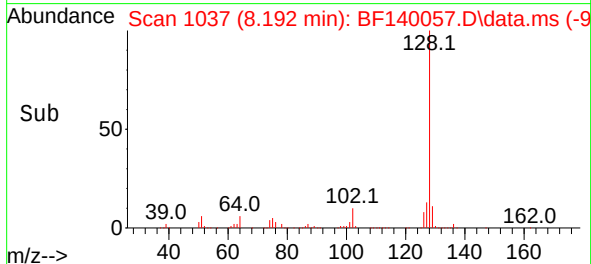
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:128 Resp: 116778  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.3 10.6 16.0

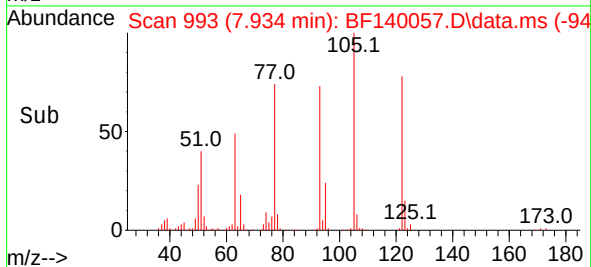
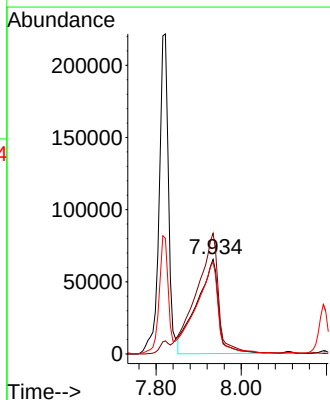
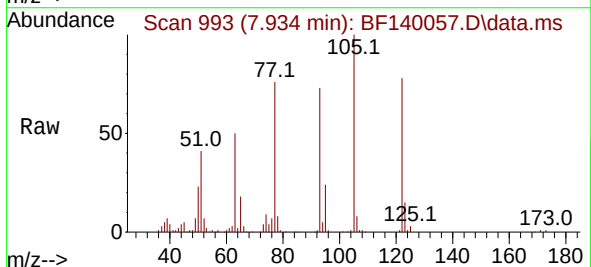
Manual Integrations  
APPROVED

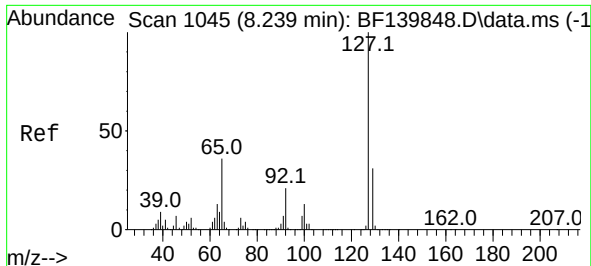
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#32  
Benzoic acid  
Concen: 38.718 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.012 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:122 Resp: 233878  
Ion Ratio Lower Upper  
122 100  
105 127.5 107.6 147.6  
77 97.3 80.2 120.2





#33

4-Chloroaniline

Concen: 7.294 ng

RT: 8.234 min Scan# 1044

Delta R.T. -0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

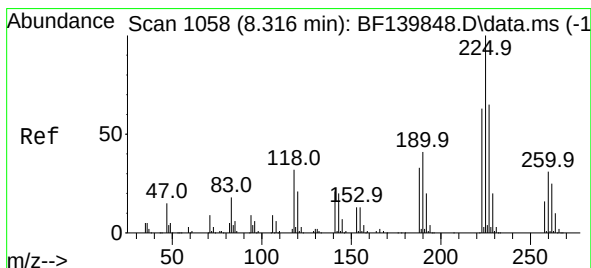
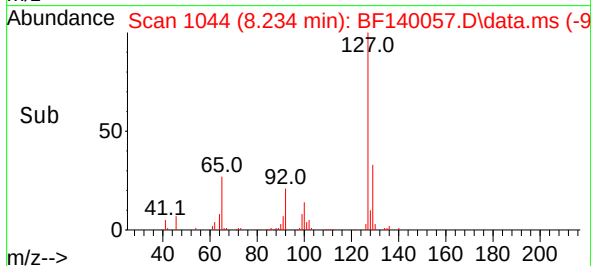
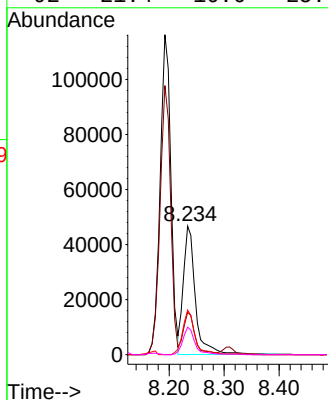
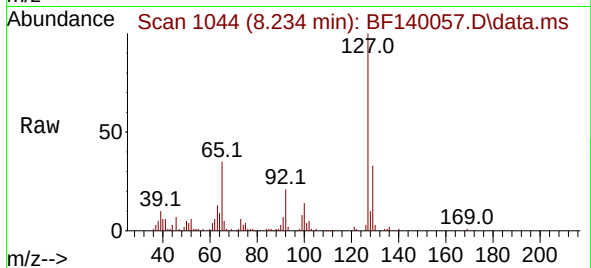
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 127   | Resp: | 7139 |
| Ion Ratio | Lower | Upper |      |
| 127       | 100   |       |      |
| 129       | 33.0  | 25.4  | 38.2 |
| 65        | 34.7  | 28.4  | 42.6 |
| 92        | 21.4  | 16.6  | 25.0 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#34

Hexachlorobutadiene

Concen: 41.779 ng

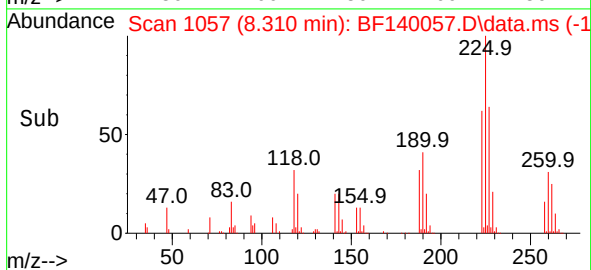
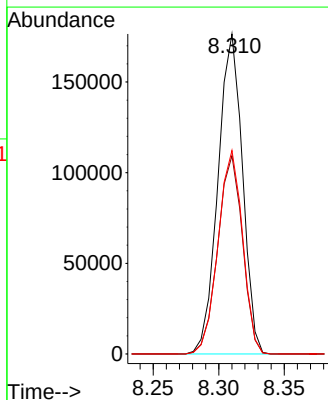
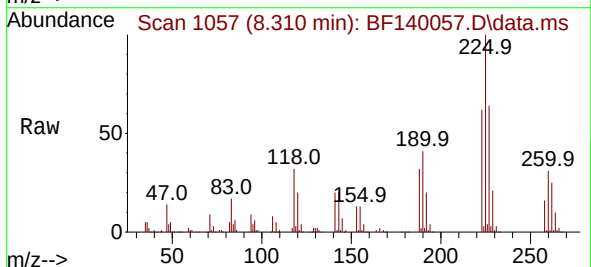
RT: 8.310 min Scan# 1057

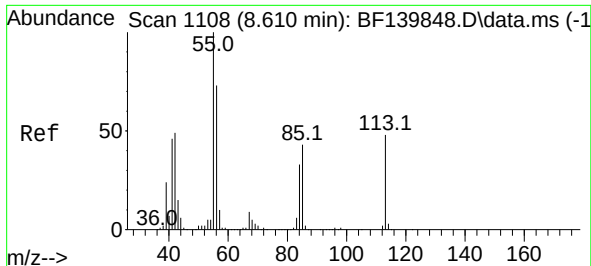
Delta R.T. -0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 229130 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 61.9  | 50.6  | 76.0   |
| 227       | 63.6  | 51.8  | 77.8   |





#35

Caprolactam

Concen: 43.025 ng m

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:113 Resp: 107918

Ion Ratio Lower Upper

113 100

55 196.1 189.2 229.2

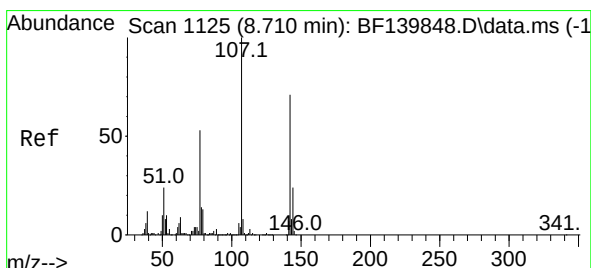
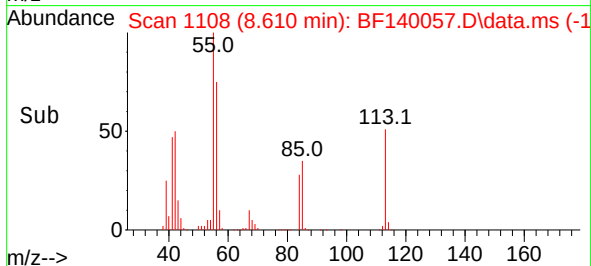
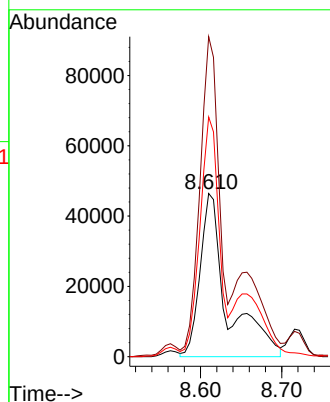
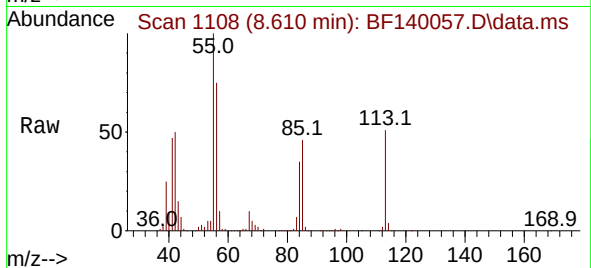
56 146.9 132.5 172.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#36

4-Chloro-3-methylphenol

Concen: 43.076 ng

RT: 8.716 min Scan# 1126

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

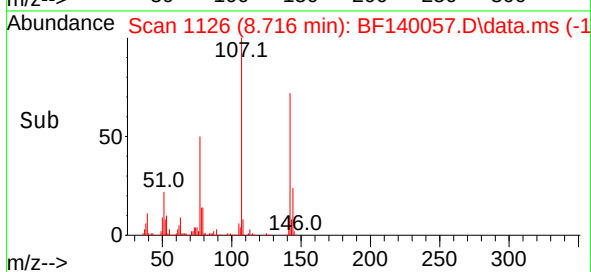
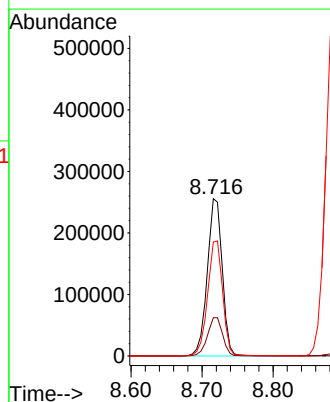
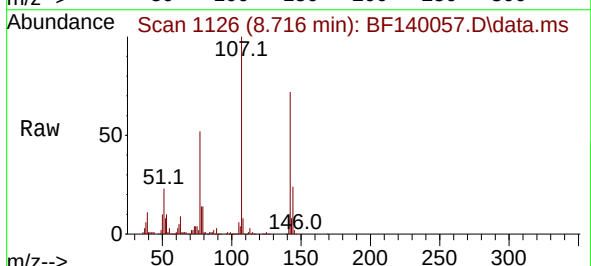
Tgt Ion:107 Resp: 376264

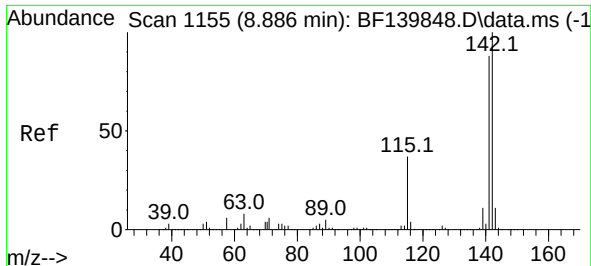
Ion Ratio Lower Upper

107 100

144 24.3 19.1 28.7

142 72.5 57.2 85.8





#37

2-Methylnaphthalene

Concen: 42.453 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:142 Resp: 74628

Ion Ratio Lower Upper

142 100

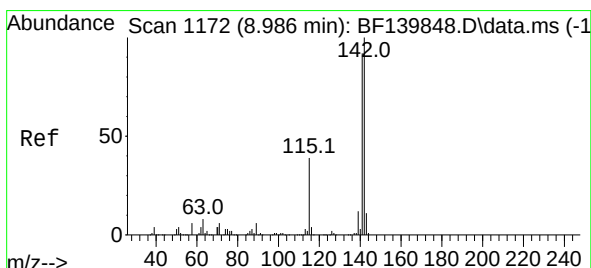
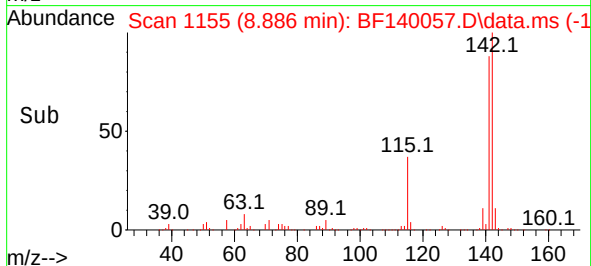
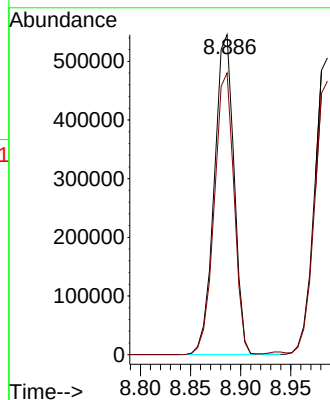
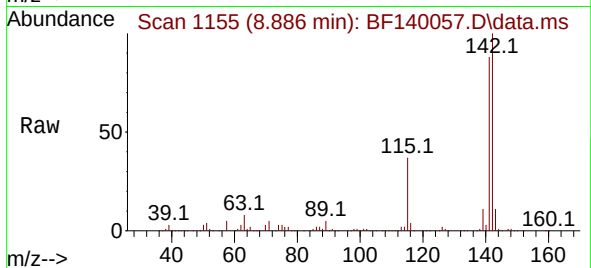
141 88.0 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#38

1-Methylnaphthalene

Concen: 40.179 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF140057.D

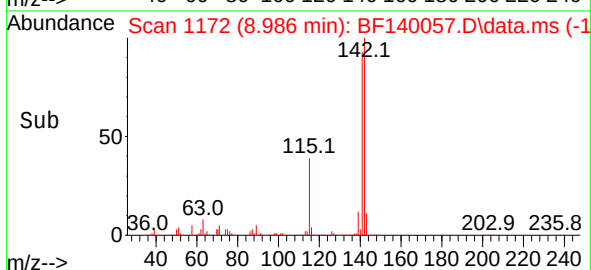
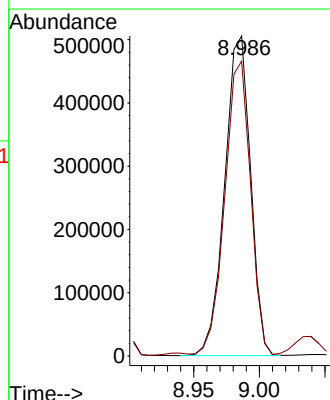
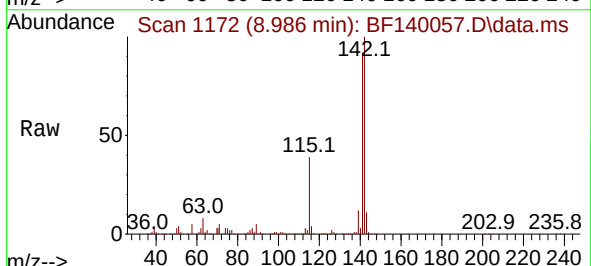
Acq: 26 Oct 2024 13:58

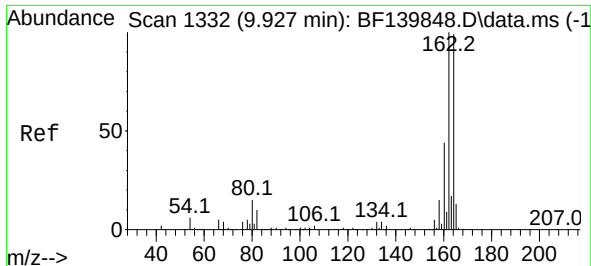
Tgt Ion:142 Resp: 692977

Ion Ratio Lower Upper

142 100

141 92.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.001 min

Lab File: BF140057.D

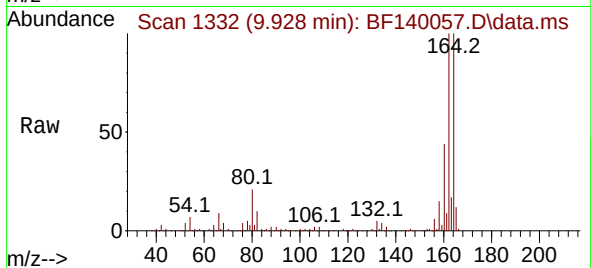
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



Tgt Ion:164 Resp: 31723

Ion Ratio Lower Upper

164 100

162 100.5 81.0 121.4

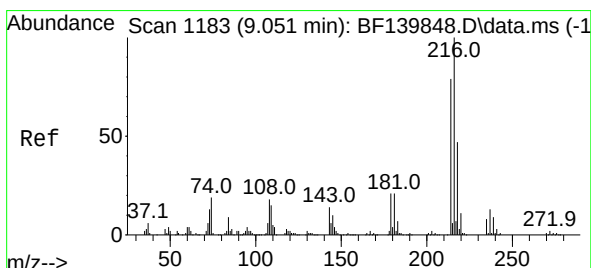
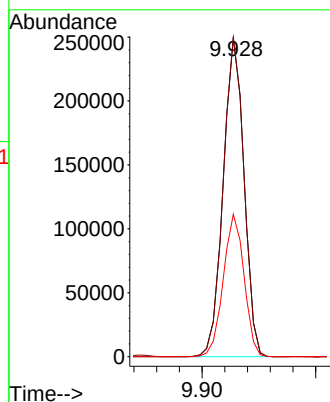
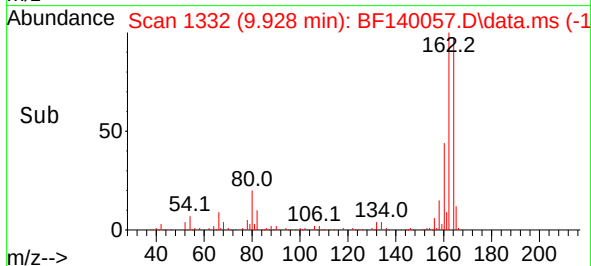
160 44.7 35.4 53.0

Manual Integrations

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Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.760 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Tgt Ion:216 Resp: 357398

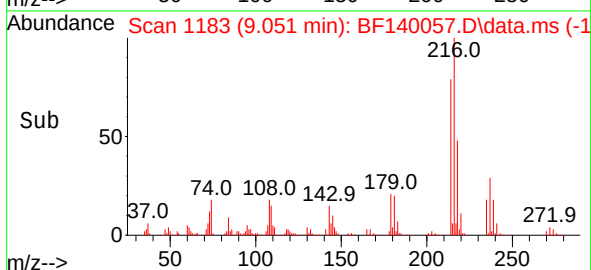
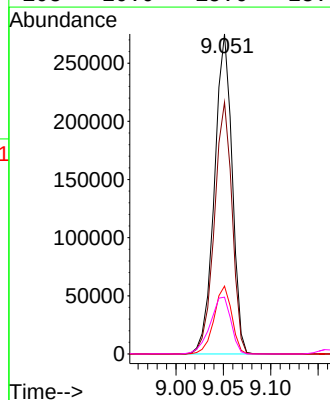
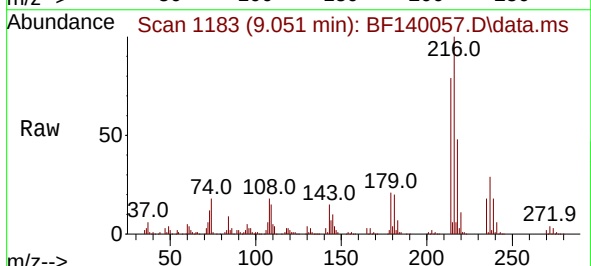
Ion Ratio Lower Upper

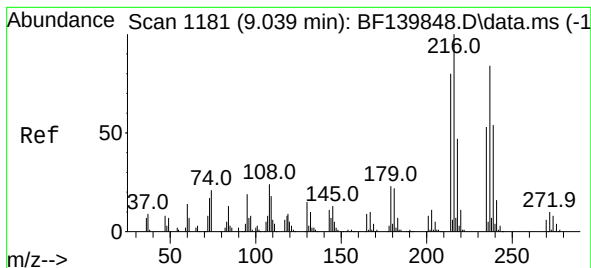
216 100

214 78.6 63.4 95.0

179 21.2 17.2 25.8

108 20.9 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 133.382 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:237 Resp: 39720

Ion Ratio Lower Upper

237 100

235 62.9 42.9 82.9

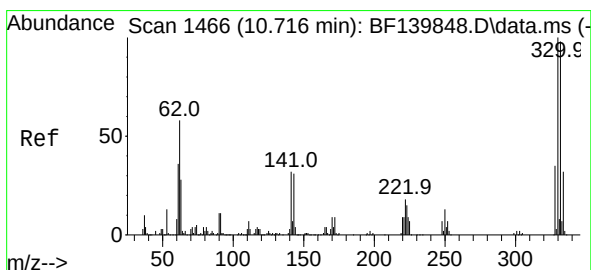
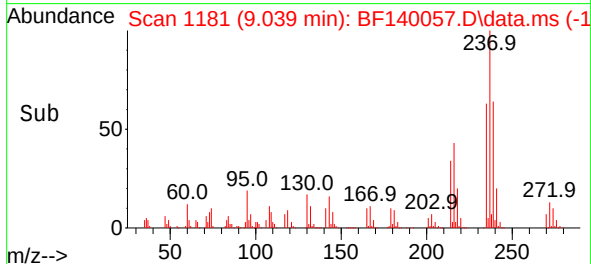
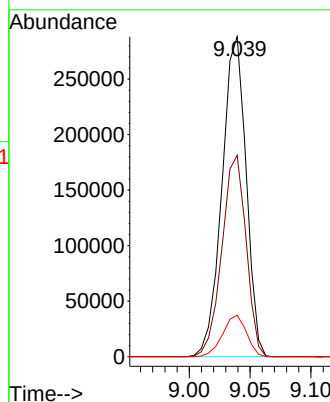
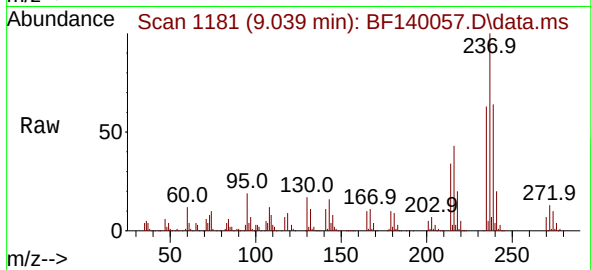
272 13.0 0.0 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#42

2,4,6-Tribromophenol

Concen: 106.179 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

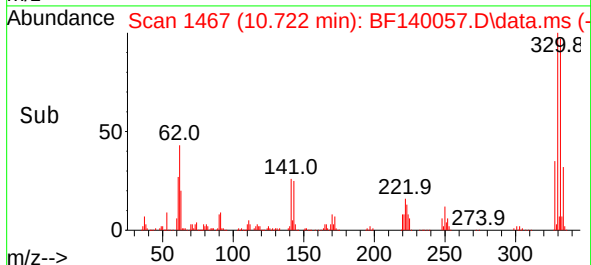
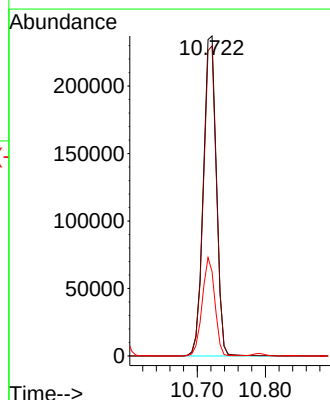
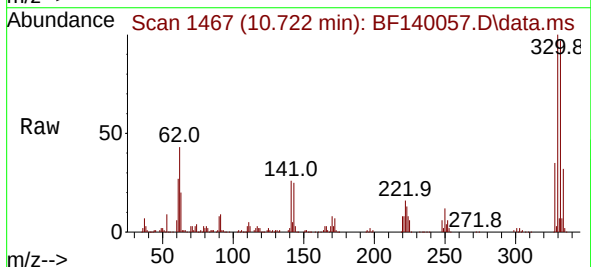
Tgt Ion:330 Resp: 315066

Ion Ratio Lower Upper

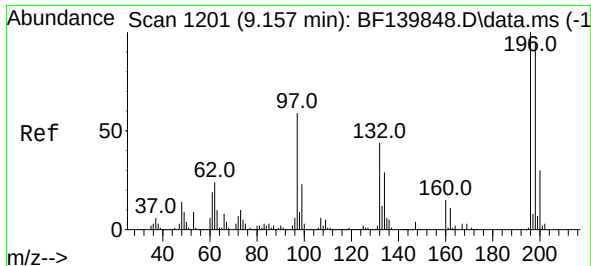
330 100

332 96.7 78.1 117.1

141 29.7 26.6 39.8







#43

2,4,6-Trichlorophenol

Concen: 43.494 ng

RT: 9.157 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF140057.D

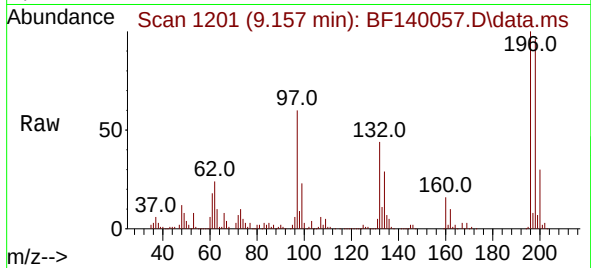
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



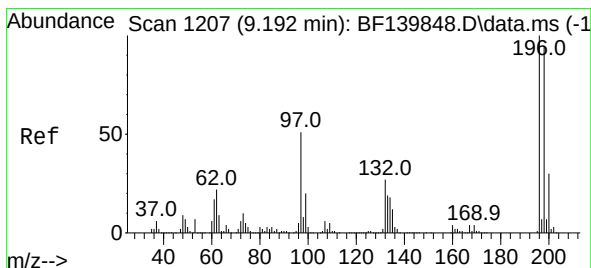
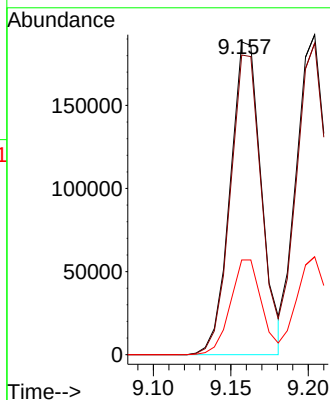
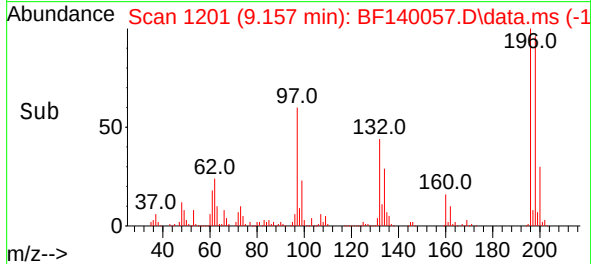
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:196 | Resp: | 26354 |       |
| Ion Ratio   | Lower | Upper |       |
| 196         | 100   |       |       |
| 198         | 95.8  | 76.2  | 114.2 |
| 200         | 30.3  | 24.0  | 36.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#44

2,4,5-Trichlorophenol

Concen: 41.883 ng

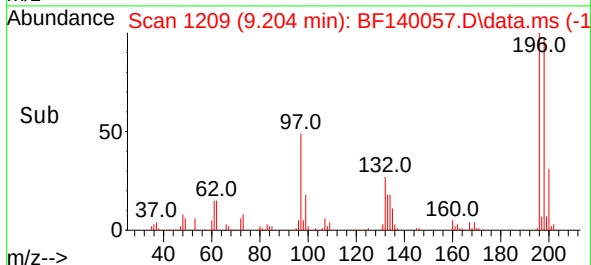
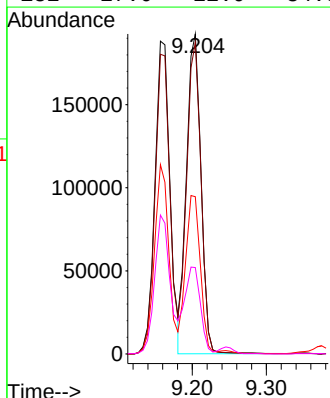
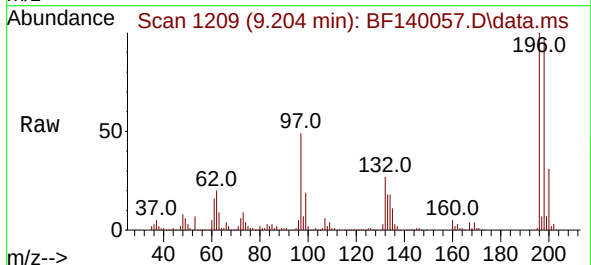
RT: 9.204 min Scan# 1209

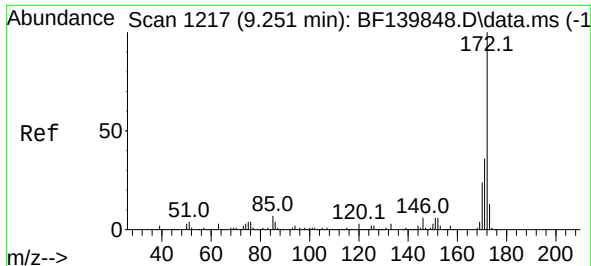
Delta R.T. 0.012 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

|             |       |        |       |
|-------------|-------|--------|-------|
| Tgt Ion:196 | Resp: | 261831 |       |
| Ion Ratio   | Lower | Upper  |       |
| 196         | 100   |        |       |
| 198         | 97.4  | 75.8   | 113.6 |
| 97          | 49.2  | 41.8   | 62.6  |
| 132         | 27.0  | 22.9   | 34.3  |





#45

2-Fluorobiphenyl

Concen: 61.482 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:172 Resp: 118014

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

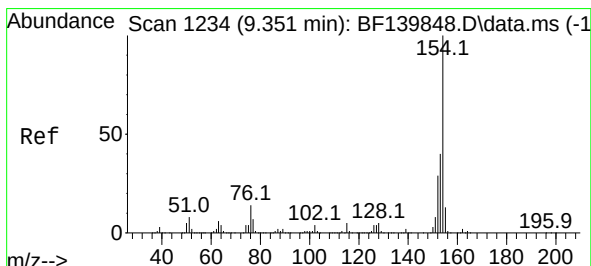
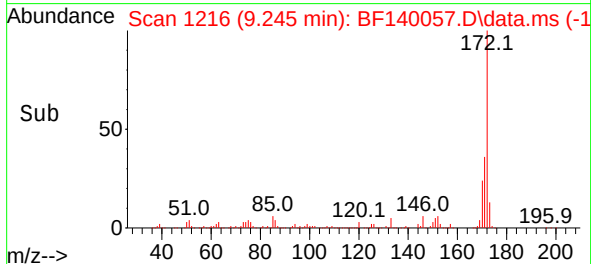
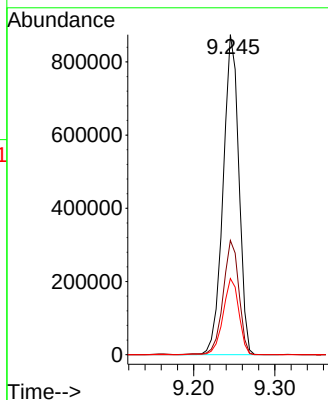
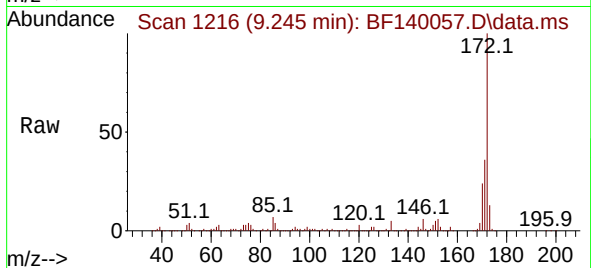
170 23.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#46

1,1'-Biphenyl

Concen: 40.651 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

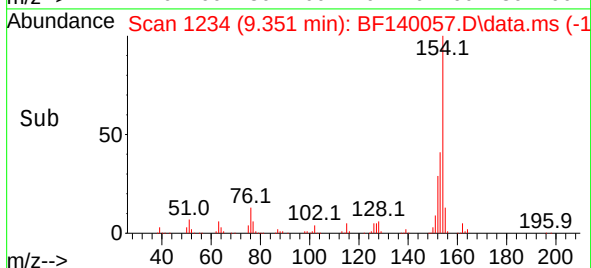
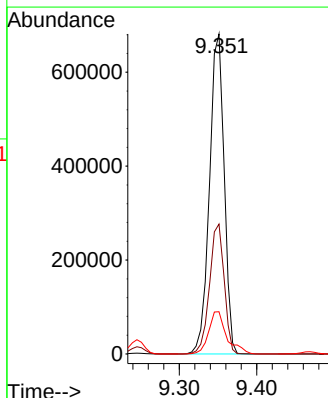
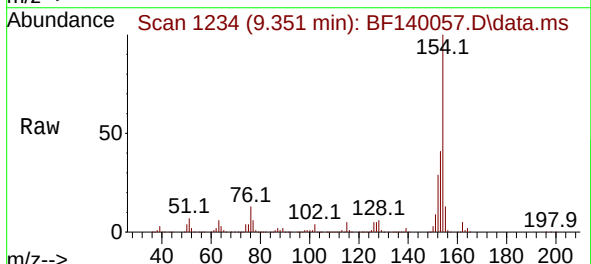
Tgt Ion:154 Resp: 897739

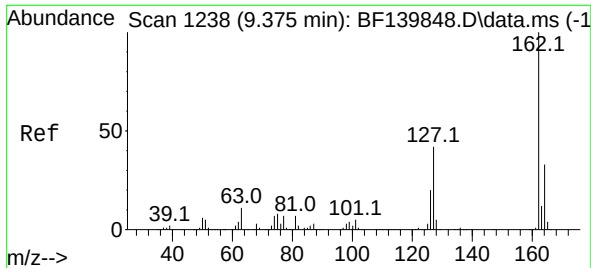
Ion Ratio Lower Upper

154 100

153 40.6 20.3 60.3

76 13.2 0.0 33.9





#47

2-Chloronaphthalene

Concen: 40.611 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:162 Resp: 72233

Ion Ratio Lower Upper

162 100

127 42.0 33.8 50.6

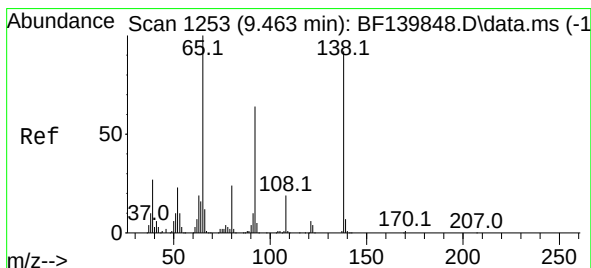
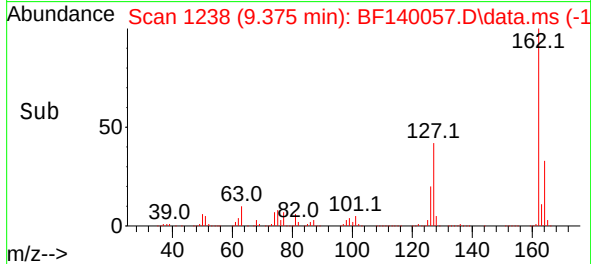
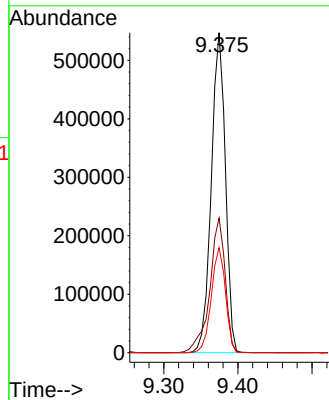
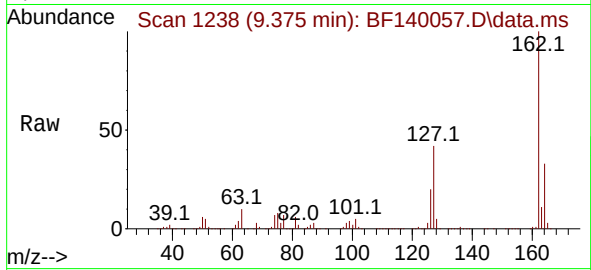
164 32.8 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#48

2-Nitroaniline

Concen: 45.541 ng

RT: 9.469 min Scan# 1254

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

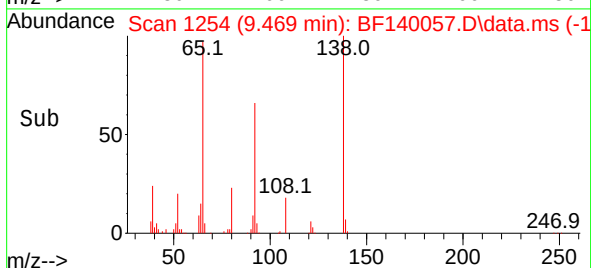
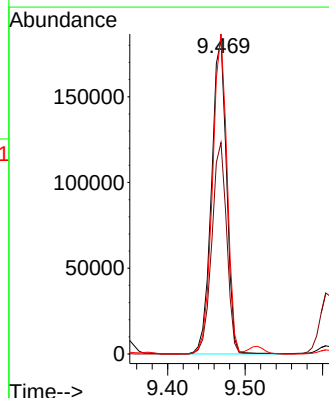
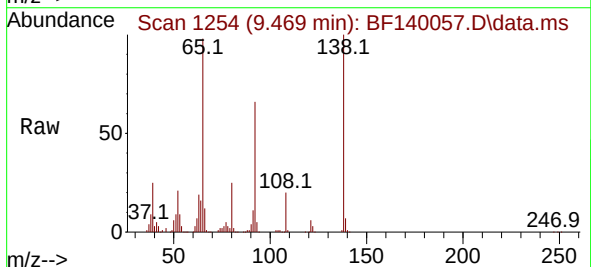
Tgt Ion: 65 Resp: 247740

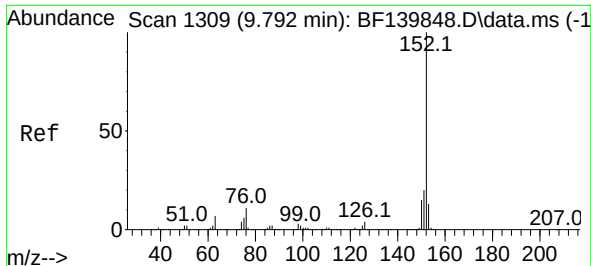
Ion Ratio Lower Upper

65 100

92 67.2 50.9 76.3

138 101.7 73.4 110.0





#49

Acenaphthylene

Concen: 43.383 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF140057.D

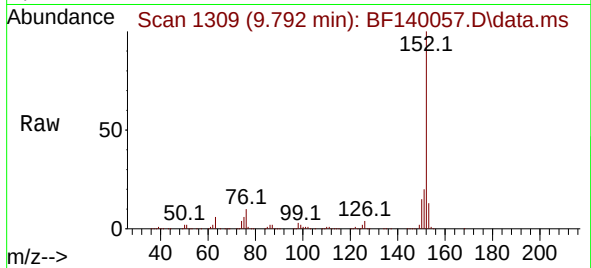
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



Tgt Ion:152 Resp: 111556

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

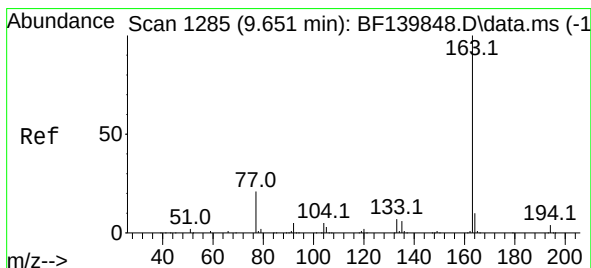
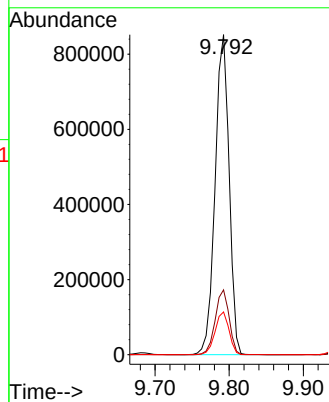
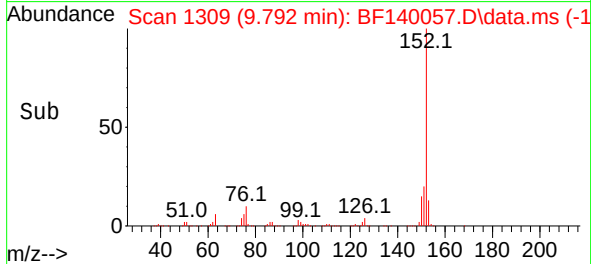
153 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#50

Dimethylphthalate

Concen: 42.919 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

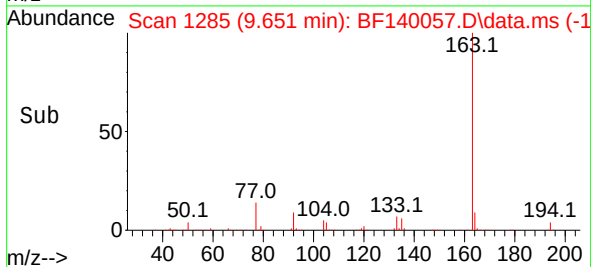
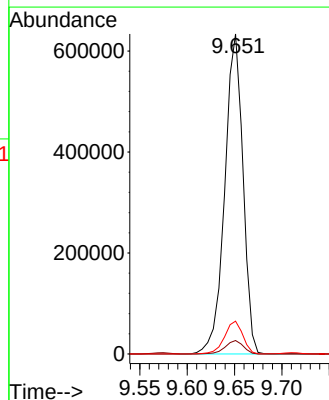
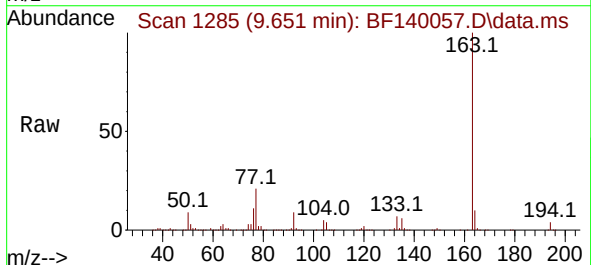
Tgt Ion:163 Resp: 848076

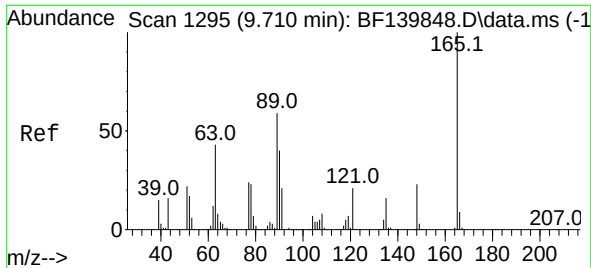
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

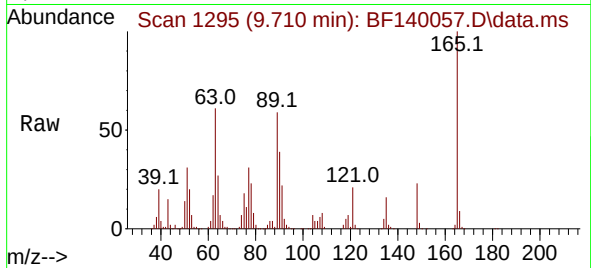
164 10.3 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 43.765 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

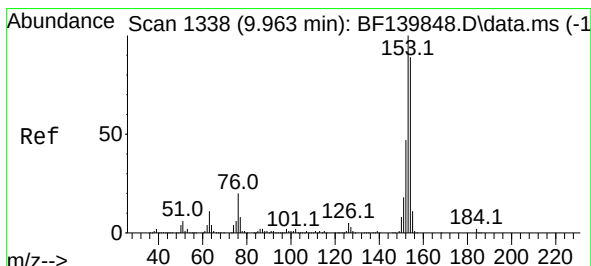
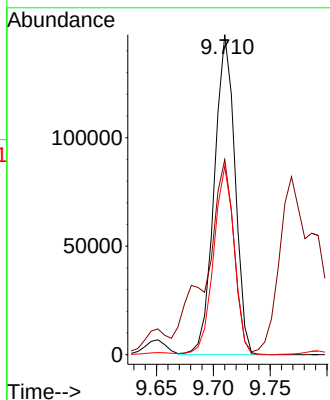
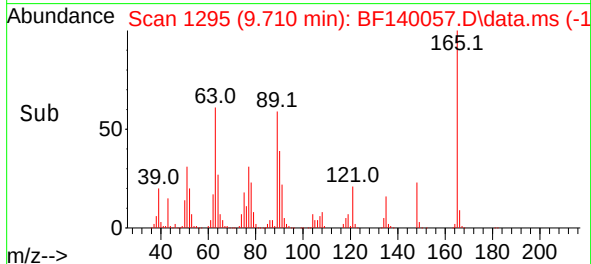
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:165 Resp: 18724  
Ion Ratio Lower Upper  
165 100  
63 60.9 50.6 75.8  
89 58.7 47.5 71.3

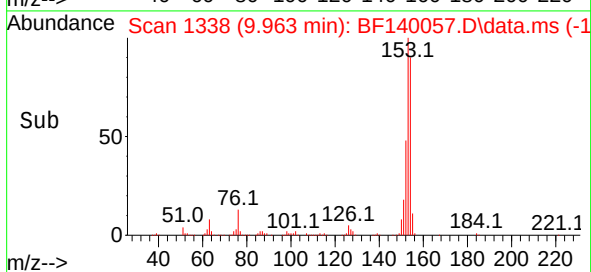
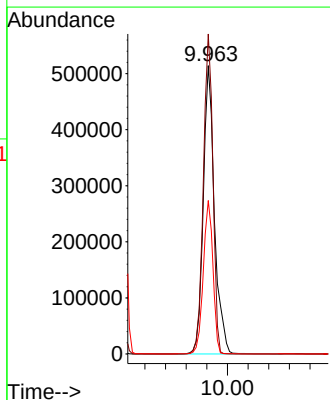
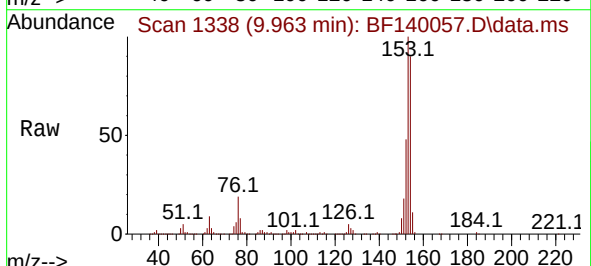
Manual Integrations  
APPROVED

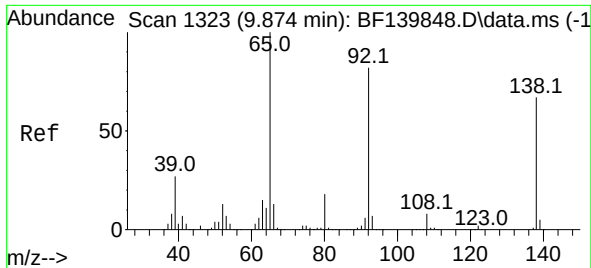
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#52  
Acenaphthene  
Concen: 46.360 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:154 Resp: 771182  
Ion Ratio Lower Upper  
154 100  
153 111.0 89.8 134.6  
152 53.2 42.4 63.6





#53  
3-Nitroaniline  
Concen: 18.931 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

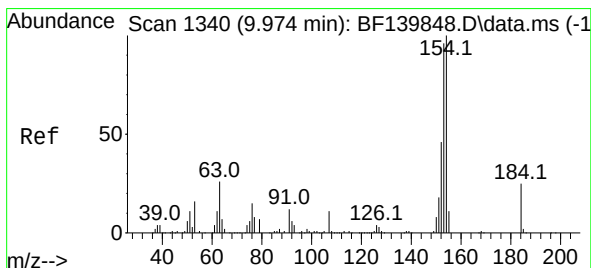
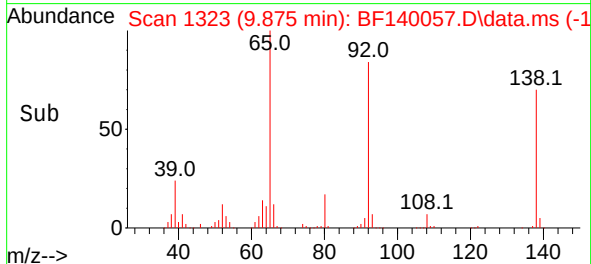
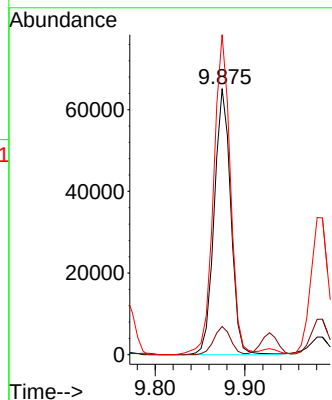
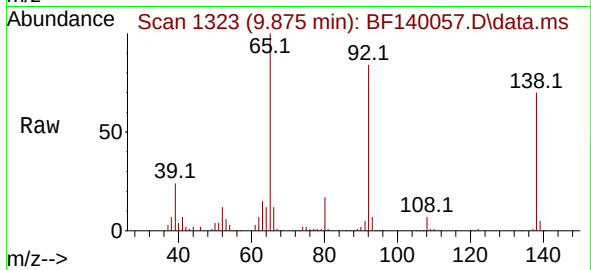
BP-F-20MS

Tgt Ion:138 Resp: 83520  
Ion Ratio Lower Upper  
138 100  
108 10.6 10.2 15.2  
92 120.3 98.3 147.5

Manual Integrations

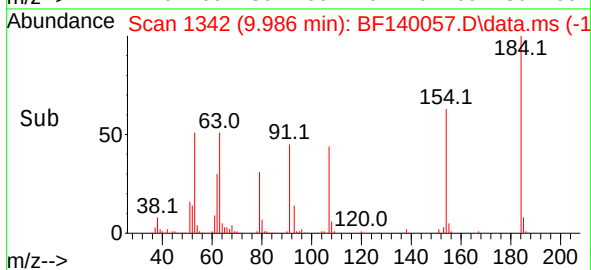
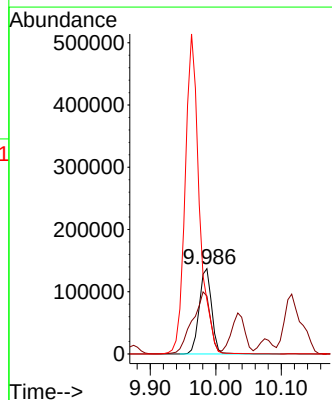
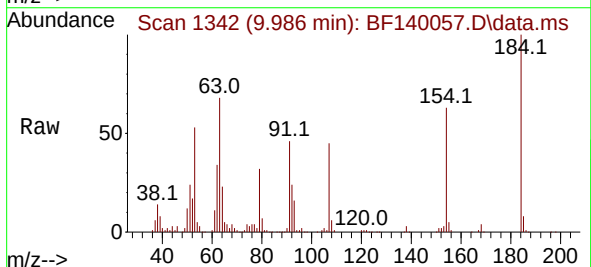
APPROVED

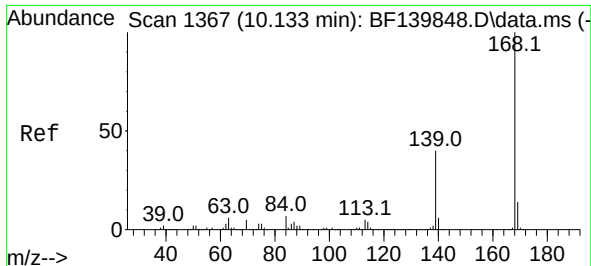
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#54  
2,4-Dinitrophenol  
Concen: 100.411 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

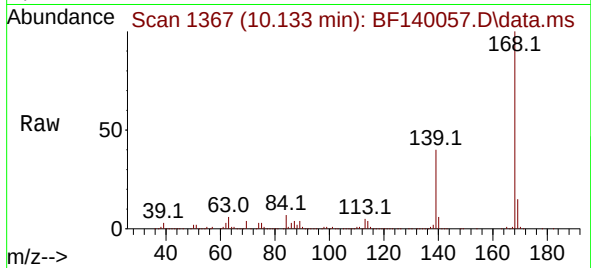
Tgt Ion:184 Resp: 181712  
Ion Ratio Lower Upper  
184 100  
63 67.9 84.7 127.1#  
154 63.3 338.2 507.2#





#55  
Dibenzenofuran  
Concen: 41.362 ng  
RT: 10.133 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

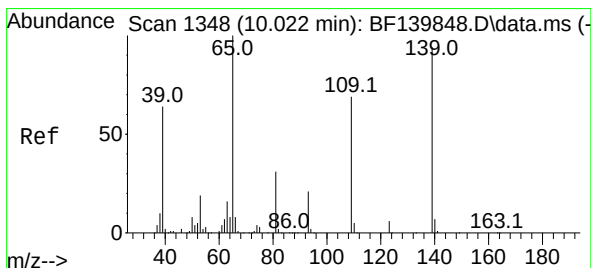
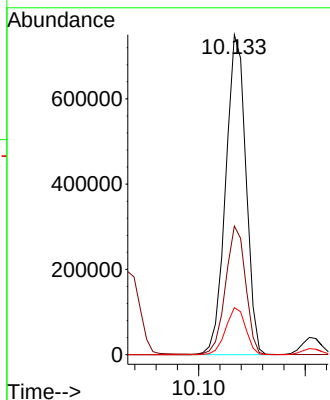
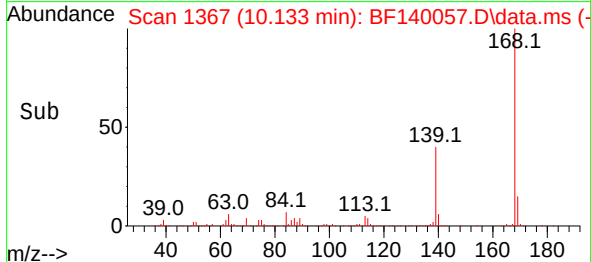
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:168 Resp: 987172  
Ion Ratio Lower Upper  
168 100  
139 40.2 31.8 47.6  
169 14.7 11.6 17.4

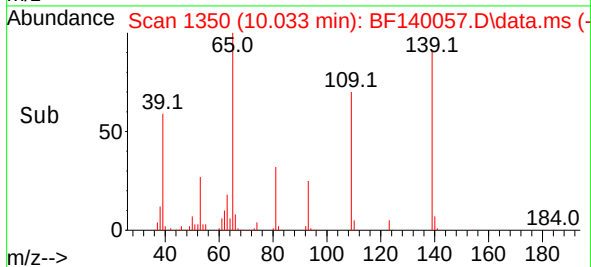
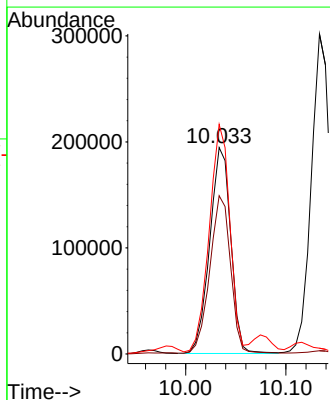
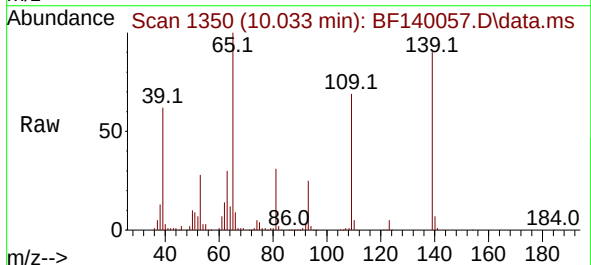
Manual Integrations  
APPROVED

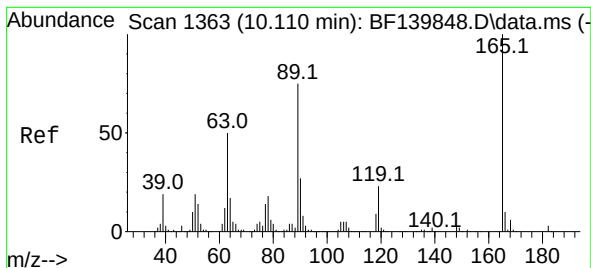
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#56  
4-Nitrophenol  
Concen: 83.767 ng  
RT: 10.033 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:139 Resp: 284342  
Ion Ratio Lower Upper  
139 100  
109 76.7 53.6 93.6  
65 111.2 87.8 127.8





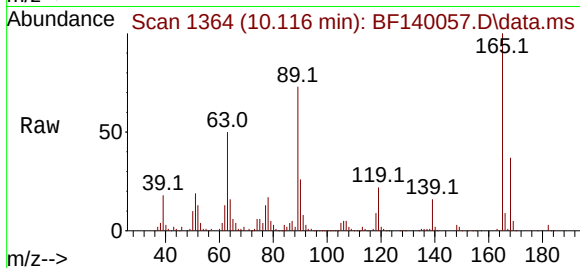
#57  
2,4-Dinitrotoluene  
Concen: 47.949 ng  
RT: 10.116 min Scan# 14057  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



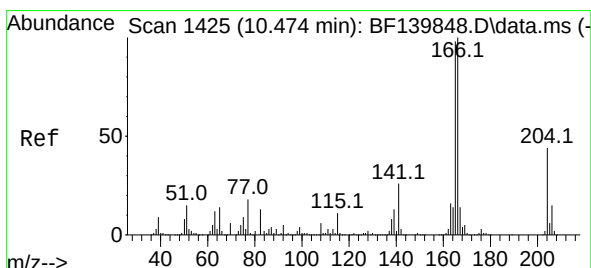
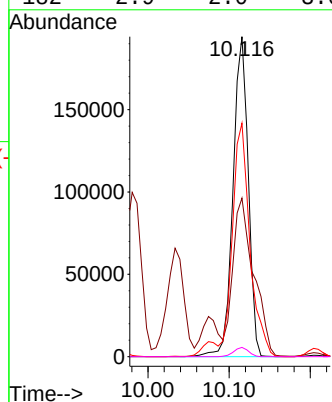
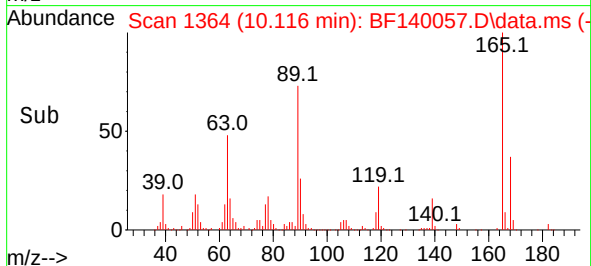
Tgt Ion:165 Resp: 252272  
Ion Ratio Lower Upper  
165 100  
63 49.5 40.1 60.1  
89 73.0 60.4 90.6  
182 2.9 2.0 3.0

Manual Integrations

APPROVED

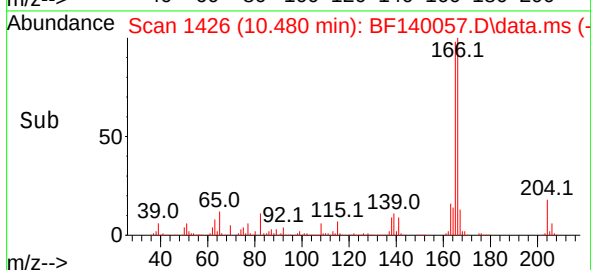
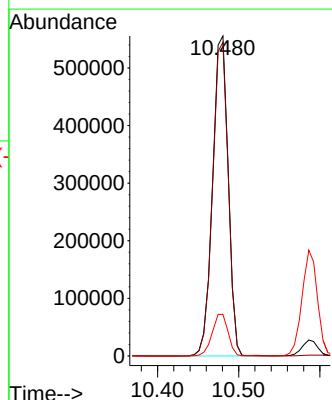
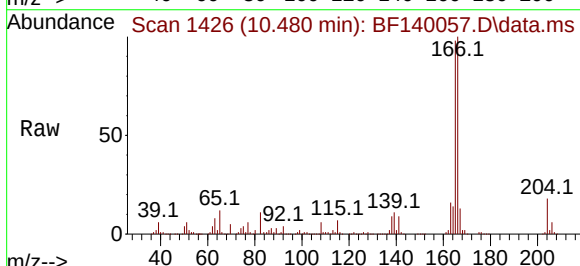
Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024

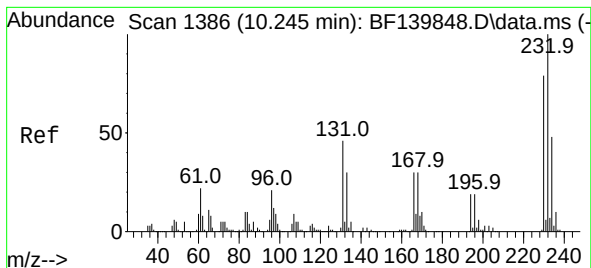


#58  
Fluorene  
Concen: 40.796 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:166 Resp: 741599  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.5 117.7  
167 13.0 10.9 16.3

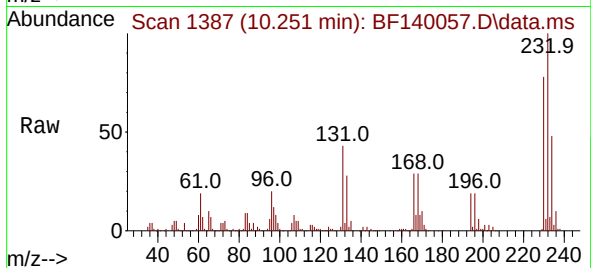






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.055 ng  
RT: 10.251 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

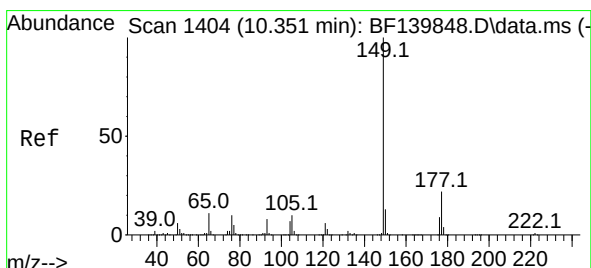
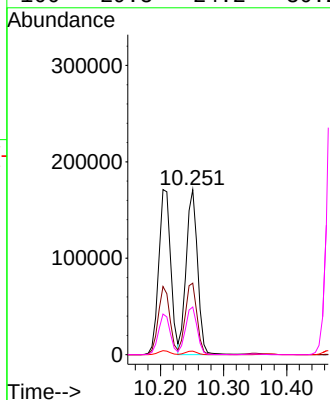
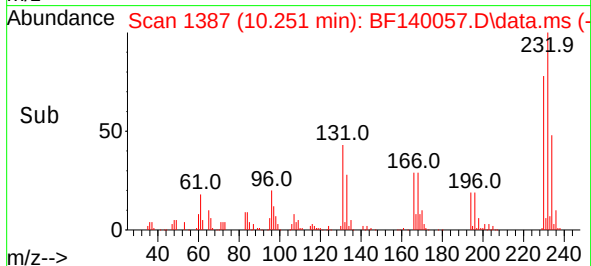
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:232 Resp: 215904  
Ion Ratio Lower Upper  
232 100  
131 44.4 37.0 55.6  
130 2.2 1.9 2.9  
166 29.3 24.2 36.2

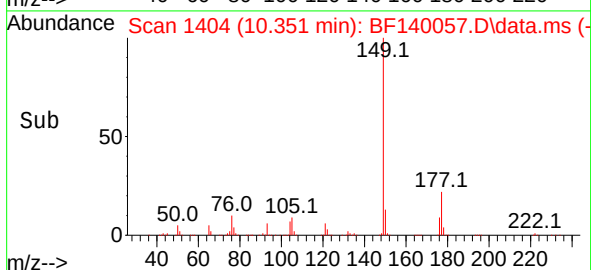
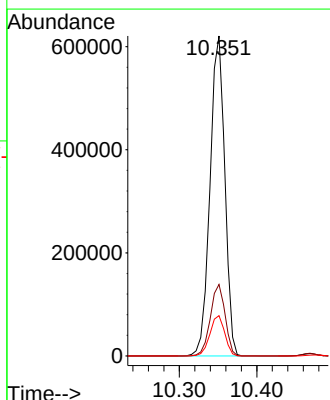
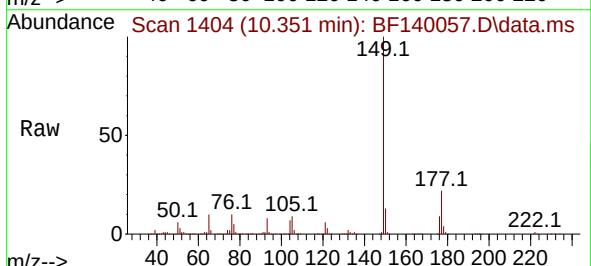
Manual Integrations  
APPROVED

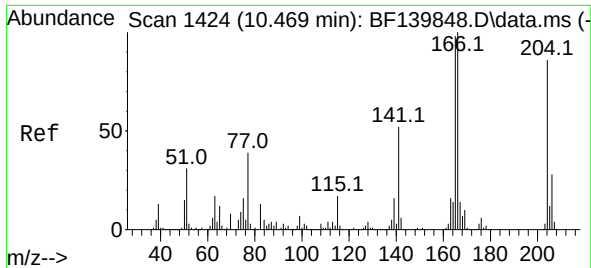
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#60  
Diethylphthalate  
Concen: 42.372 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

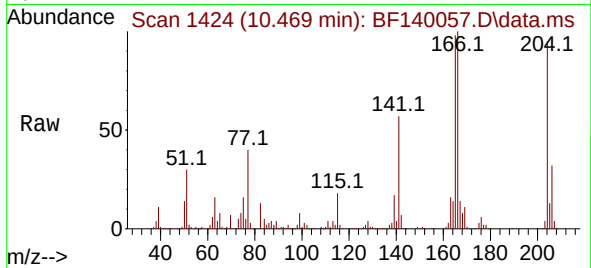
Tgt Ion:149 Resp: 822061  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.9 26.9  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 42.141 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

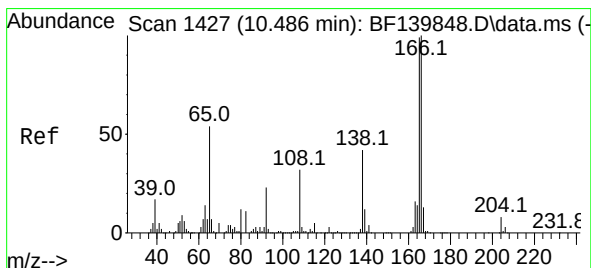
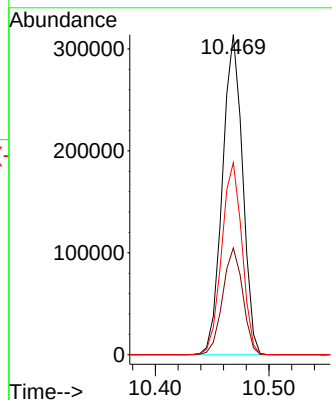
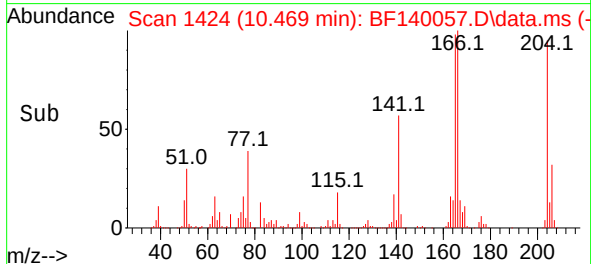
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



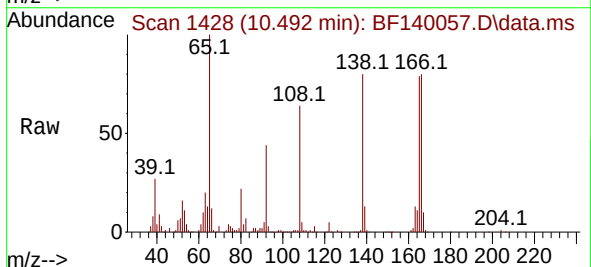
Tgt Ion:204 Resp: 386850  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.3 39.5  
141 60.0 48.6 73.0

Manual Integrations  
APPROVED

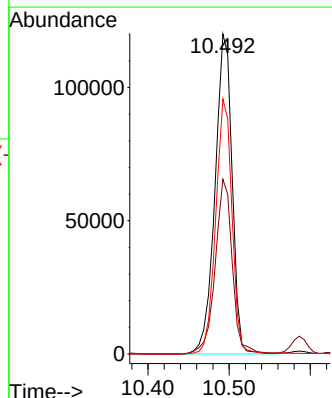
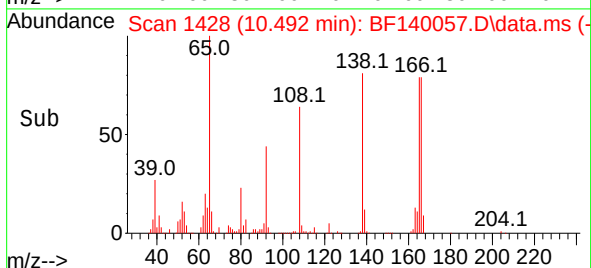
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

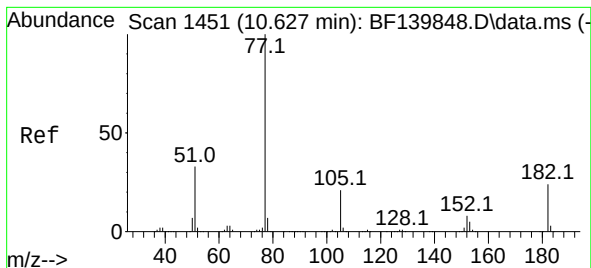


#62  
4-Nitroaniline  
Concen: 42.270 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



Tgt Ion:138 Resp: 176142  
Ion Ratio Lower Upper  
138 100  
92 54.6 35.7 75.7  
108 79.6 57.5 97.5





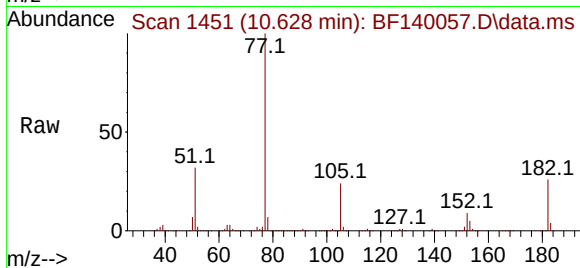
#63  
Azobenzene  
Concen: 44.854 ng  
RT: 10.628 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



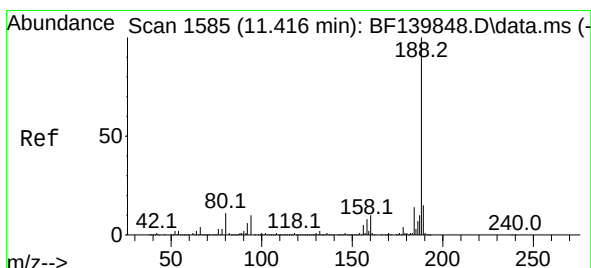
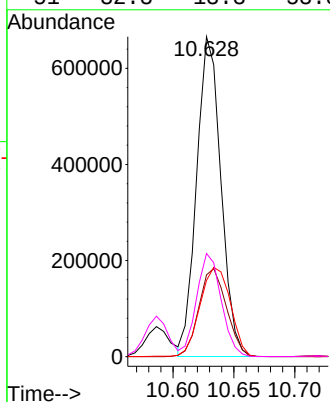
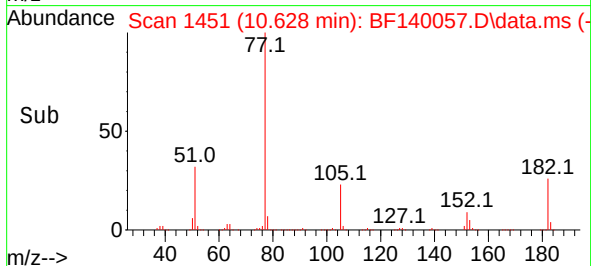
Tgt Ion: 77 Resp: 922574  
Ion Ratio Lower Upper  
77 100  
182 25.6 3.3 43.3  
105 23.8 1.2 41.2  
51 32.3 13.3 53.3

Manual Integrations

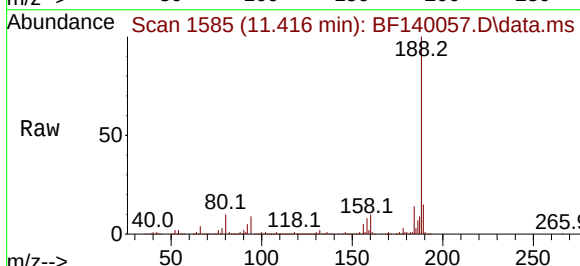
APPROVED

Reviewed By :Yogesh Patel 10/29/2024

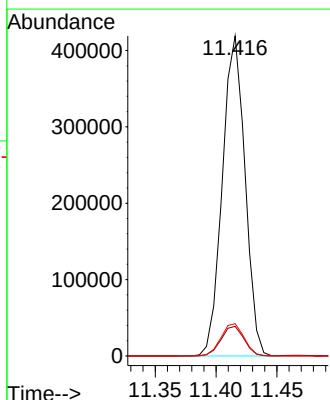
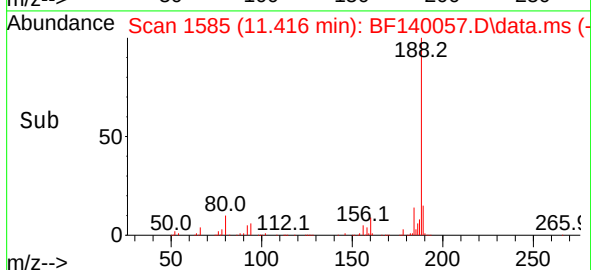
Supervised By :mohammad ahmed 10/29/2024

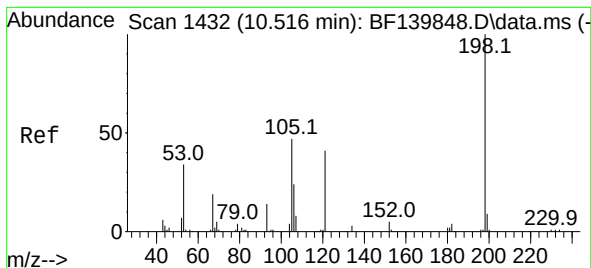


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



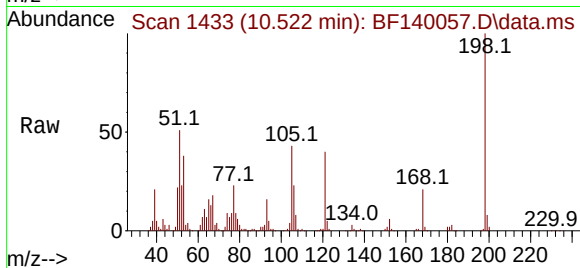
Tgt Ion:188 Resp: 543034  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.9 11.9  
80 10.1 9.0 13.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 59.857 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

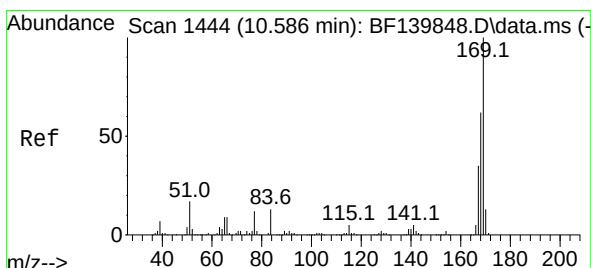
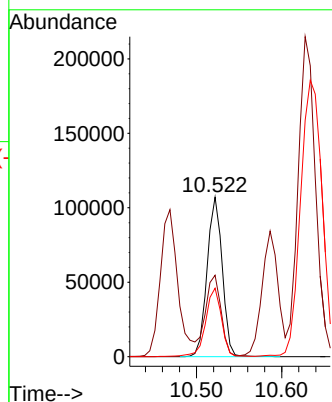
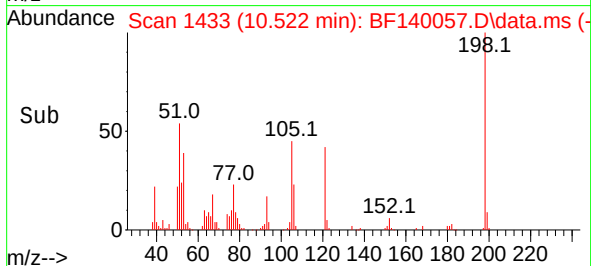
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:198 Resp: 132583  
Ion Ratio Lower Upper  
198 100  
51 51.1 38.2 78.2  
105 43.0 27.9 67.9

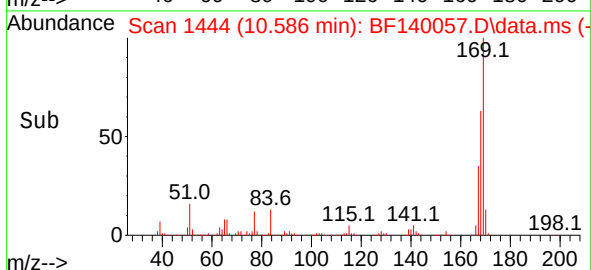
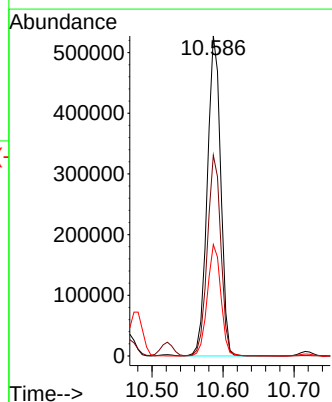
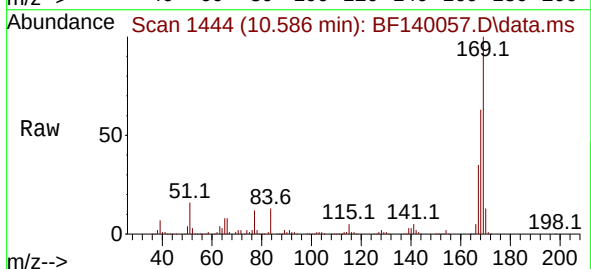
Manual Integrations  
APPROVED

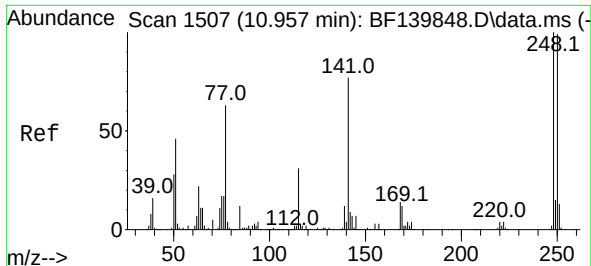
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#66  
n-Nitrosodiphenylamine  
Concen: 42.618 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

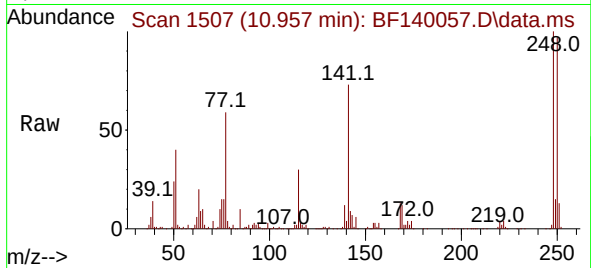
Tgt Ion:169 Resp: 692666  
Ion Ratio Lower Upper  
169 100  
168 62.7 49.8 74.6  
167 34.8 28.0 42.0





#67  
4-Bromophenyl-phenylether  
Concen: 44.439 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

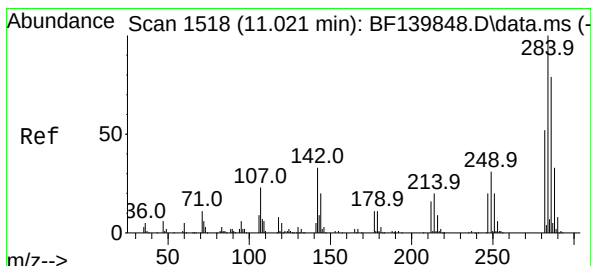
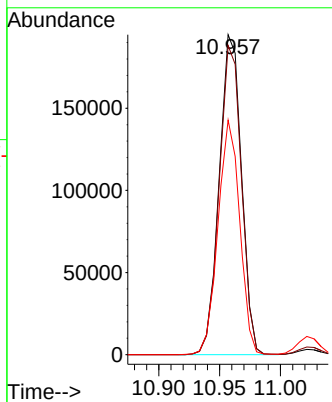
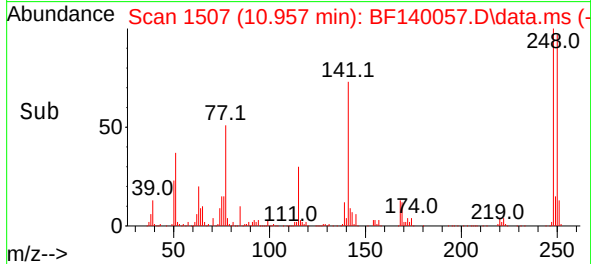
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:248 Resp: 248600  
Ion Ratio Lower Upper  
248 100  
250 96.6 79.0 118.6  
141 73.3 61.7 92.5

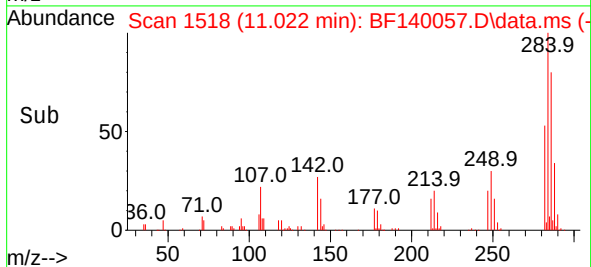
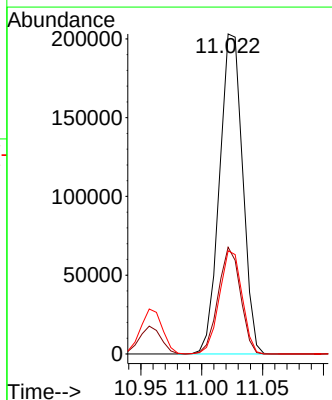
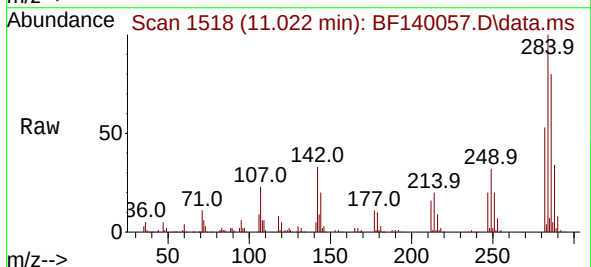
Manual Integrations  
APPROVED

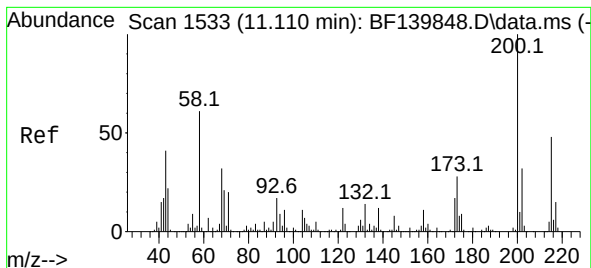
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#68  
Hexachlorobenzene  
Concen: 42.692 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:284 Resp: 268605  
Ion Ratio Lower Upper  
284 100  
142 33.3 26.9 40.3  
249 32.3 25.3 37.9





#69

Atrazine

Concen: 51.437 ng

RT: 11.110 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:200 Resp: 22645

Ion Ratio Lower Upper

200 100

173 27.2 7.7 47.7

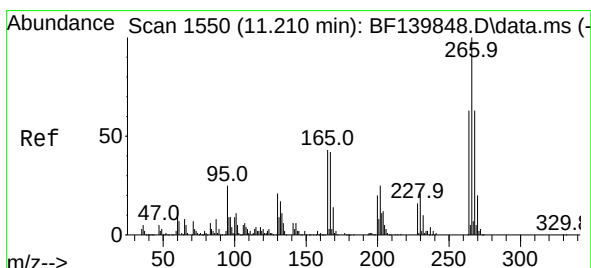
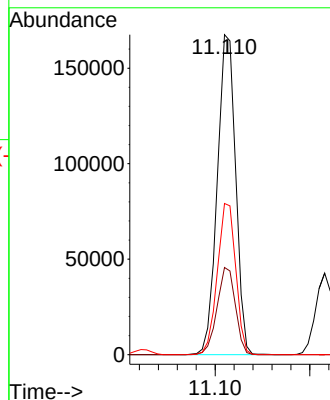
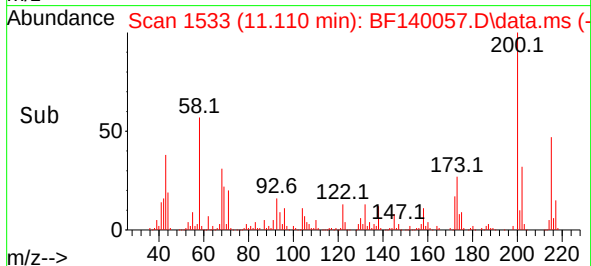
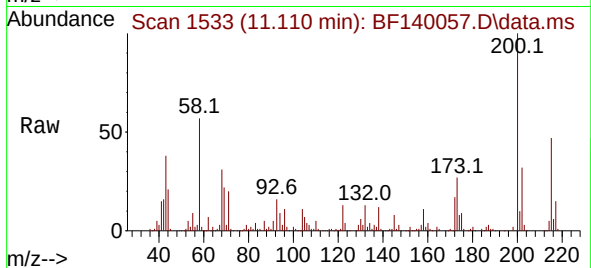
215 47.2 27.7 67.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#70

Pentachlorophenol

Concen: 80.506 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

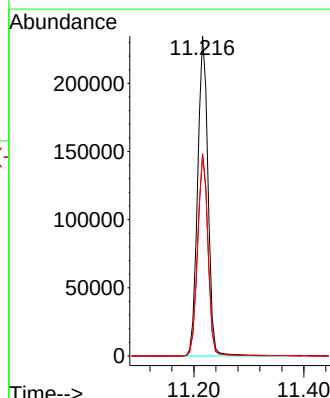
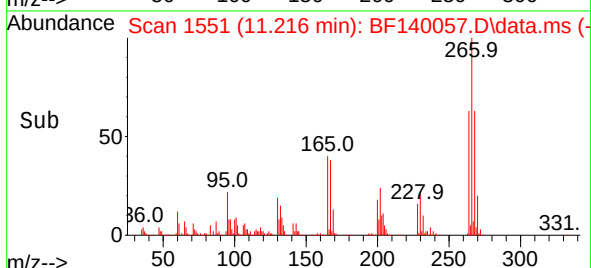
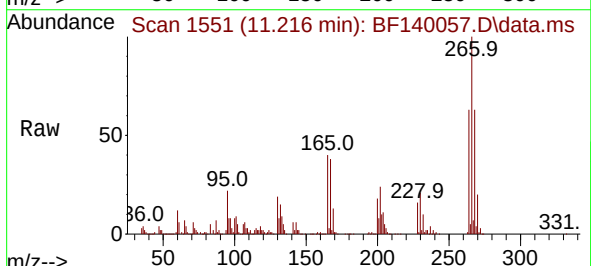
Tgt Ion:266 Resp: 307411

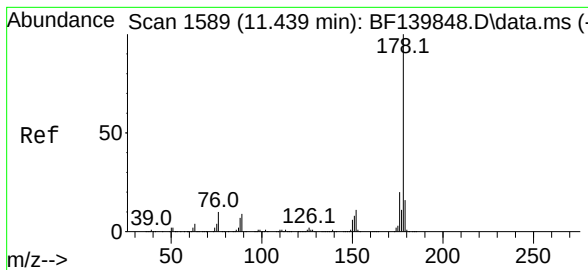
Ion Ratio Lower Upper

266 100

268 63.2 50.4 75.6

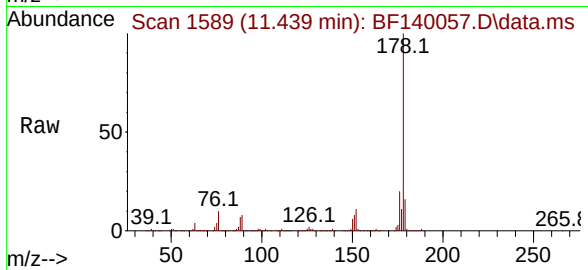
264 62.9 50.6 75.8





#71  
Phenanthrene  
Concen: 41.478 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

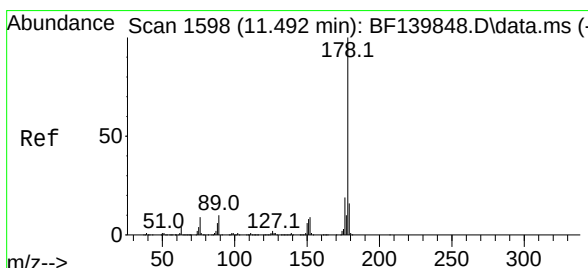
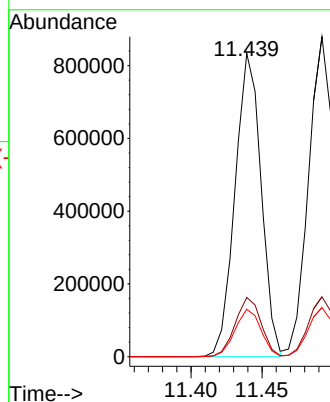
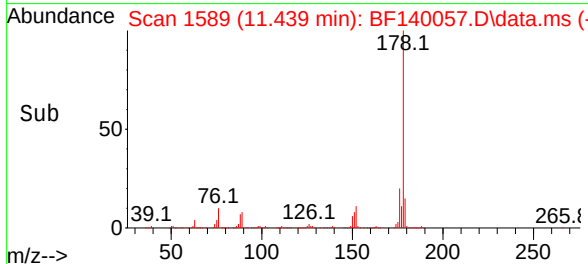
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



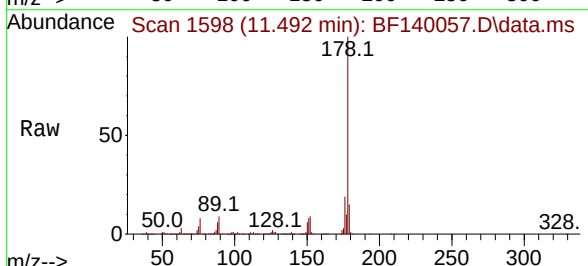
Tgt Ion:178 Resp: 106394  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.8 23.6  
179 15.6 12.6 18.8

Manual Integrations  
APPROVED

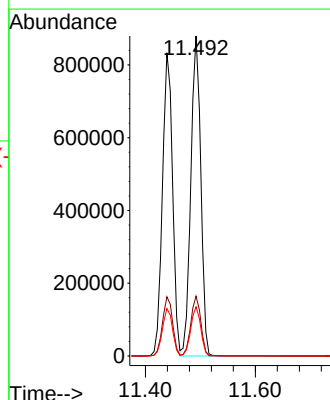
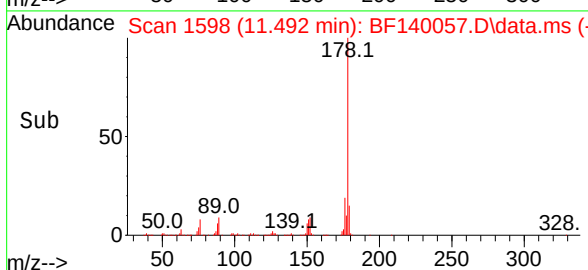
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

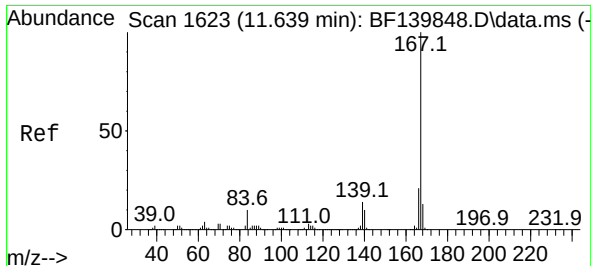


#72  
Anthracene  
Concen: 44.109 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



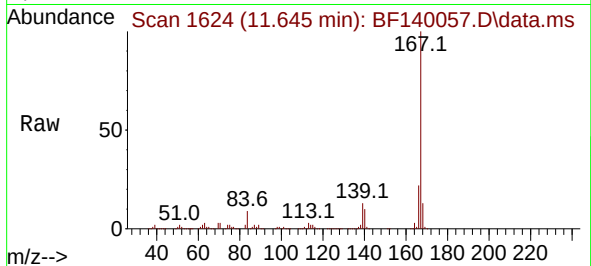
Tgt Ion:178 Resp: 1103909  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.3 22.9  
179 15.4 12.4 18.6





#73  
 Carbazole  
 Concen: 39.433 ng  
 RT: 11.645 min Scan# 1624  
 Delta R.T. 0.006 min  
 Lab File: BF140057.D  
 Acq: 26 Oct 2024 13:58

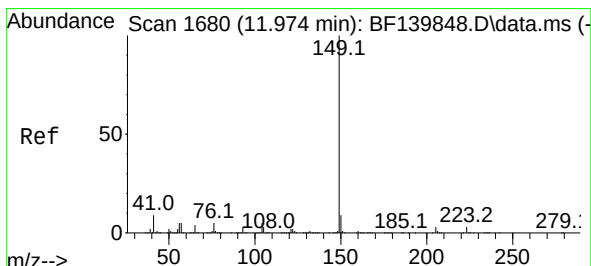
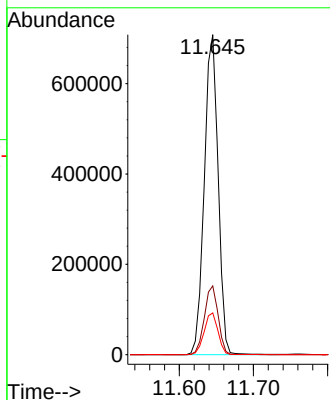
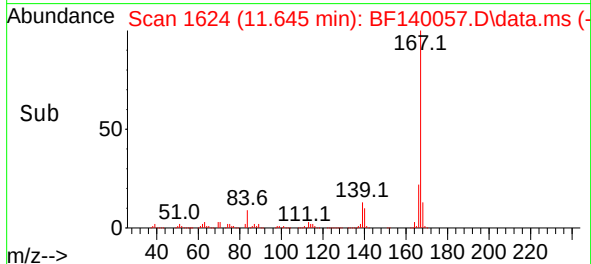
Instrument :  
 BNA\_F  
 ClientSampleId :  
 BP-F-20MS



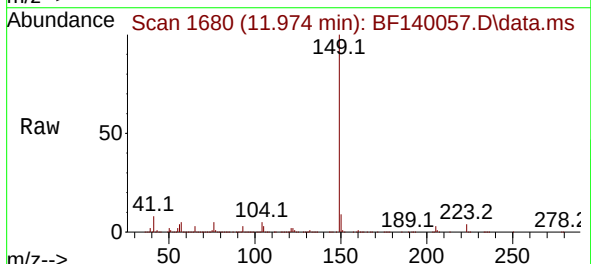
Tgt Ion:167 Resp: 91782  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.0 25.6  
 139 13.0 10.8 16.2

Manual Integrations  
 APPROVED

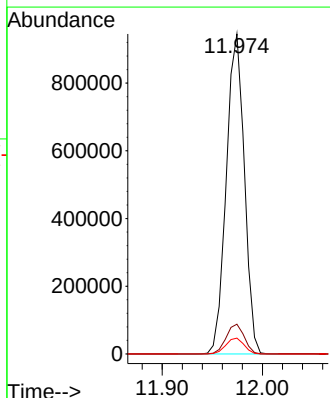
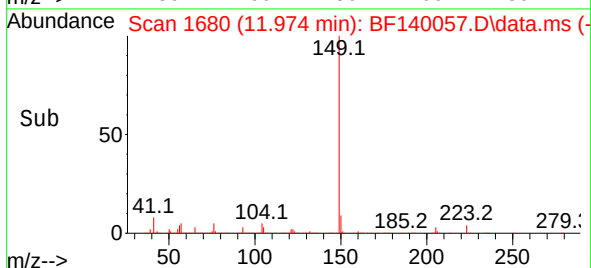
Reviewed By :Yogesh Patel 10/29/2024  
 Supervised By :mohammad ahmed 10/29/2024



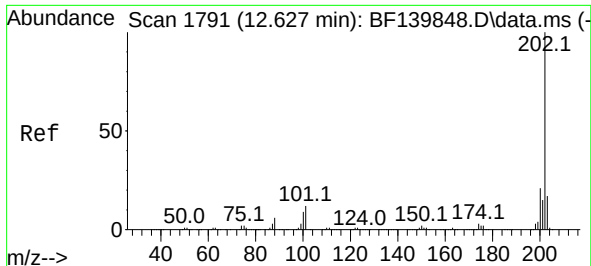
#74  
 Di-n-butylphthalate  
 Concen: 43.984 ng  
 RT: 11.974 min Scan# 1680  
 Delta R.T. 0.000 min  
 Lab File: BF140057.D  
 Acq: 26 Oct 2024 13:58



Tgt Ion:149 Resp: 1182778  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.5 11.3  
 104 5.0 4.1 6.1

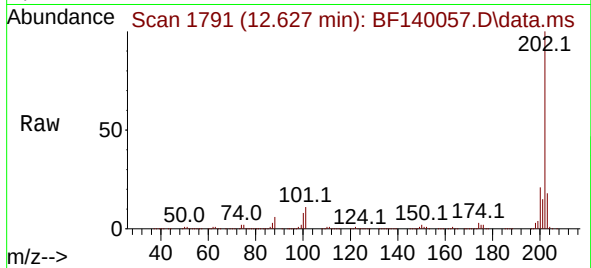






#75  
Fluoranthene  
Concen: 37.929 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

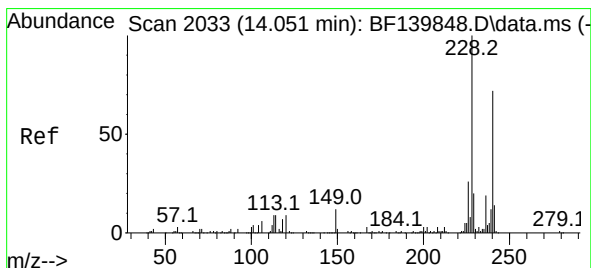
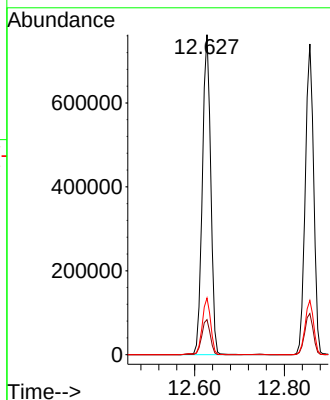
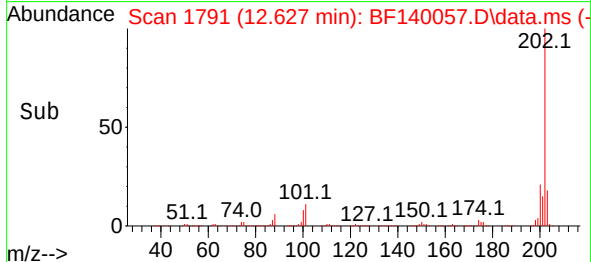
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



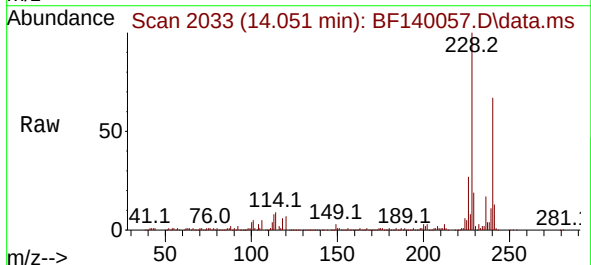
Tgt Ion:202 Resp: 983519  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 31.9  
203 17.7 0.0 37.5

Manual Integrations  
APPROVED

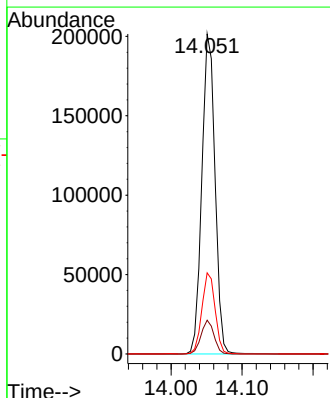
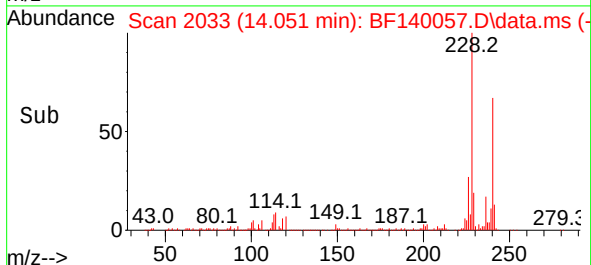
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024

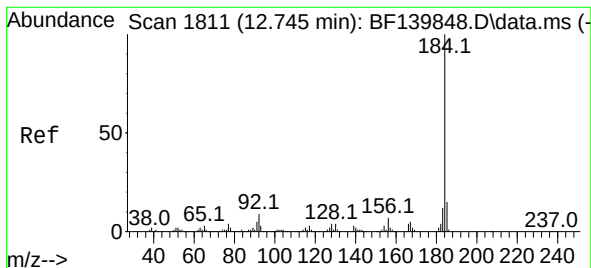


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58



Tgt Ion:240 Resp: 260710  
Ion Ratio Lower Upper  
240 100  
120 10.6 9.4 14.2  
236 25.3 20.9 31.3





#77

Benzidine

Concen: 53.757 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:184 Resp: 23045

Ion Ratio Lower Upper

184 100

185 14.7 12.0 18.0

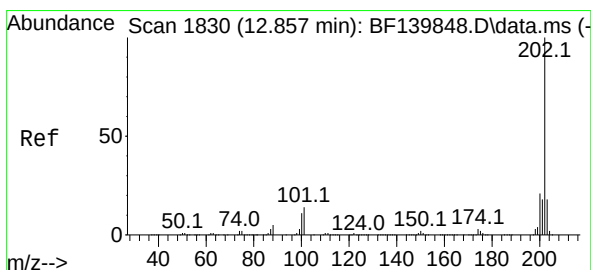
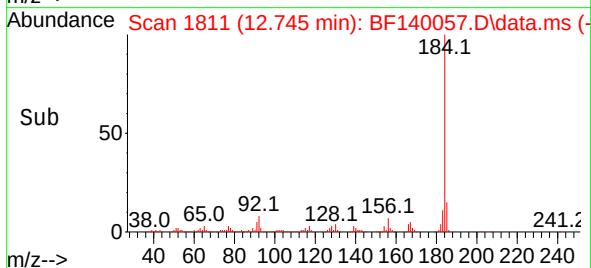
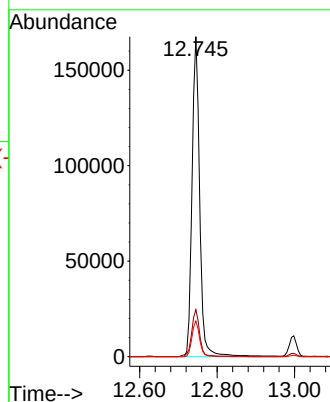
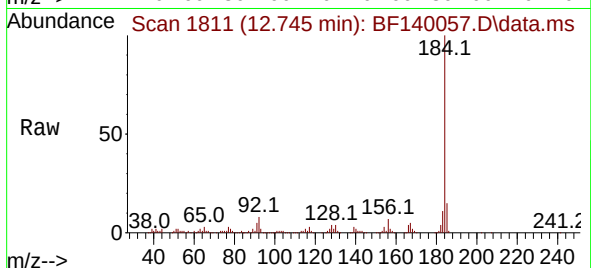
183 11.2 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#78

Pyrene

Concen: 42.164 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

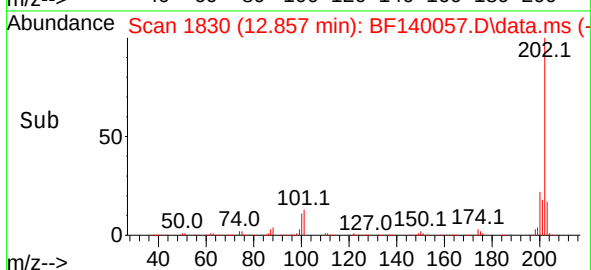
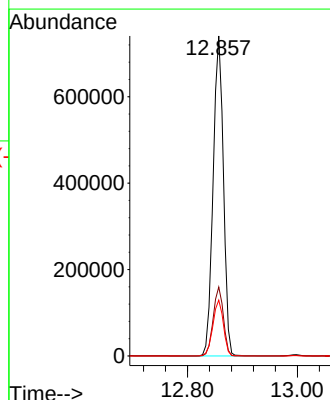
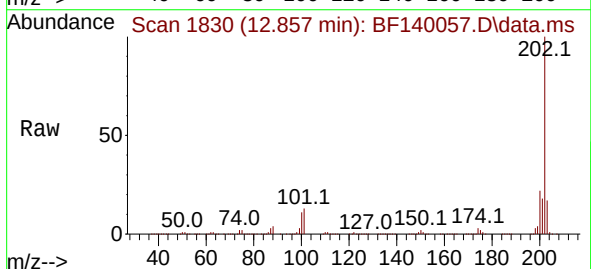
Tgt Ion:202 Resp: 962217

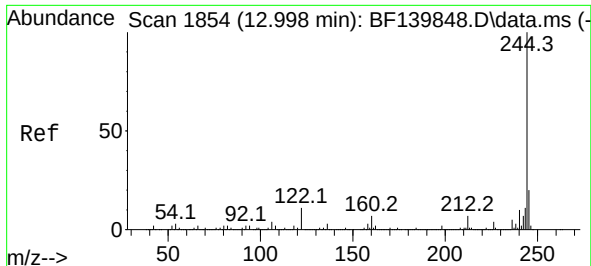
Ion Ratio Lower Upper

202 100

200 21.5 17.2 25.8

203 17.5 14.2 21.4





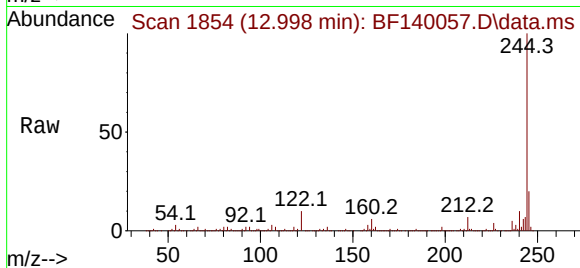
#79  
 Terphenyl-d14  
 Concen: 68.674 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF140057.D  
 Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



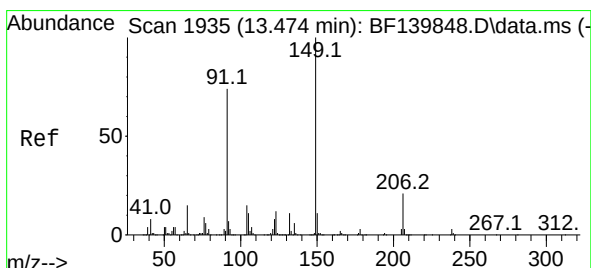
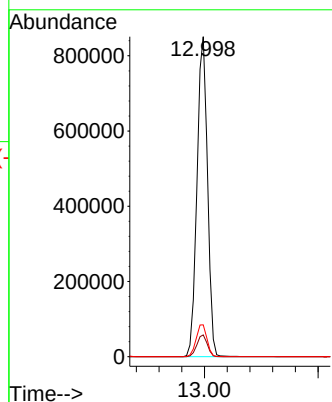
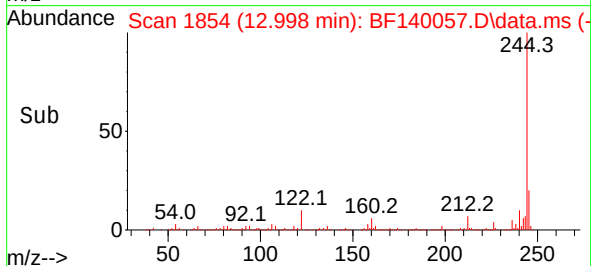
Tgt Ion:244 Resp: 109875  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.7 8.5  
 122 10.0 8.6 13.0

Manual Integrations

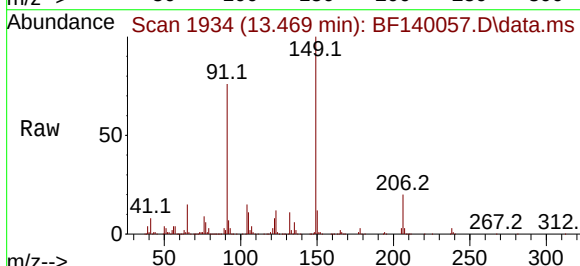
APPROVED

Reviewed By :Yogesh Patel 10/29/2024

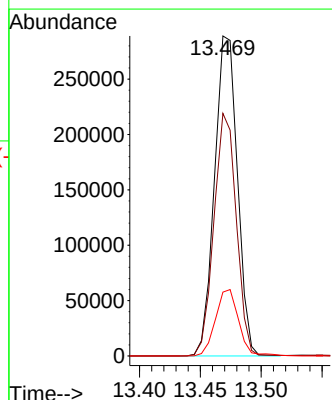
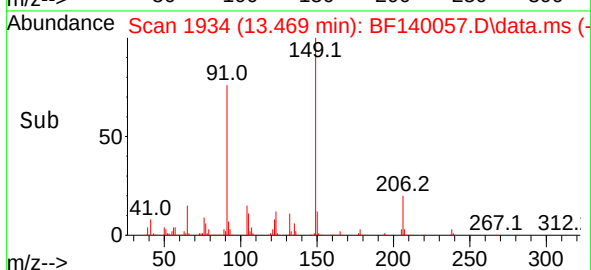
Supervised By :mohammad ahmed 10/29/2024

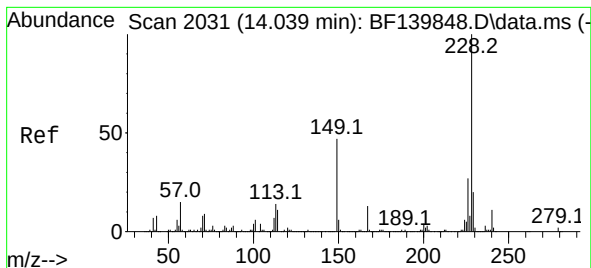


#80  
 Butylbenzylphthalate  
 Concen: 55.318 ng  
 RT: 13.469 min Scan# 1934  
 Delta R.T. -0.006 min  
 Lab File: BF140057.D  
 Acq: 26 Oct 2024 13:58



Tgt Ion:149 Resp: 378474  
 Ion Ratio Lower Upper  
 149 100  
 91 75.8 59.4 89.2  
 206 20.0 16.4 24.6





#81

Benzo(a)anthracene

Concen: 42.809 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:228 Resp: 72653

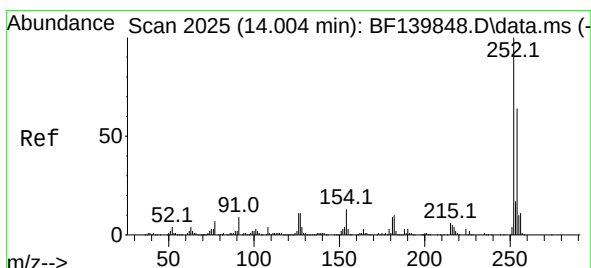
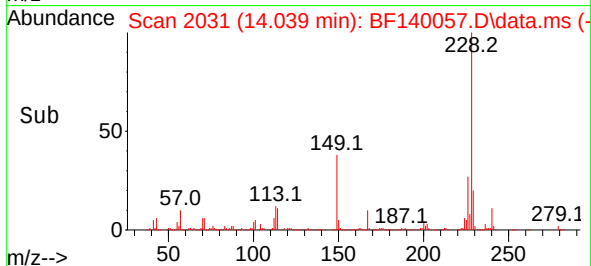
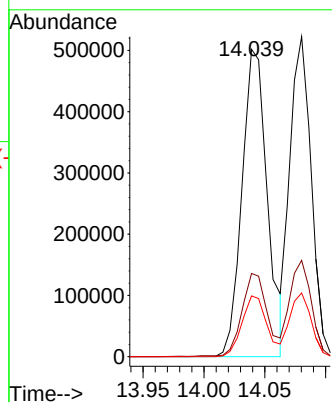
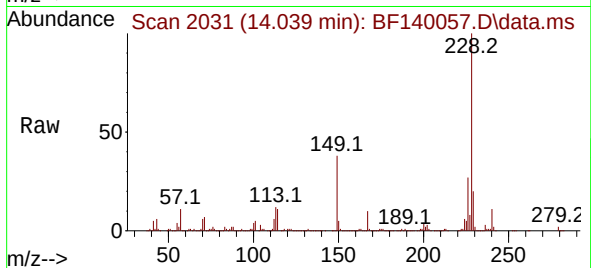
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.1  | 21.6  | 32.4  |
| 229 | 19.8  | 16.1  | 24.1  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#82

3,3'-Dichlorobenzidine

Concen: 22.353 ng

RT: 14.004 min Scan# 2025

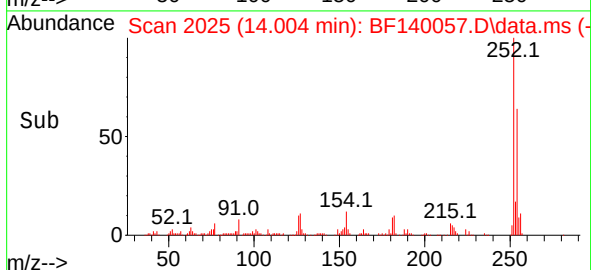
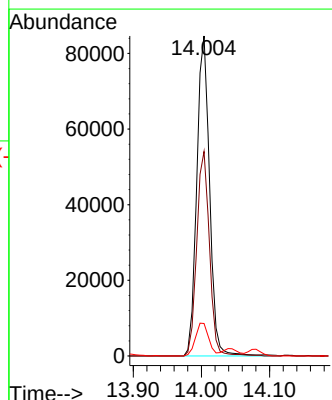
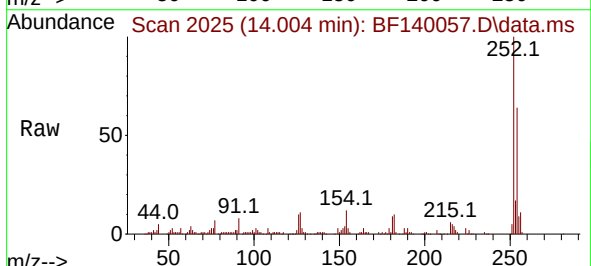
Delta R.T. 0.000 min

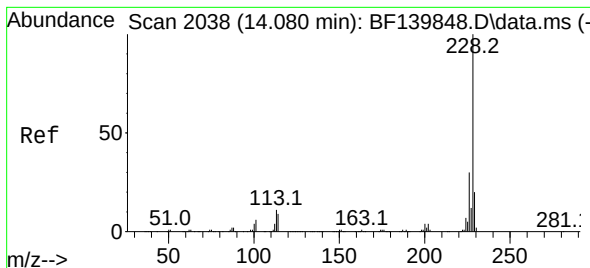
Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Tgt Ion:252 Resp: 110608

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.9  | 50.8  | 76.2  |
| 126 | 10.1  | 8.9   | 13.3  |





#83

Chrysene

Concen: 40.980 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140057.D

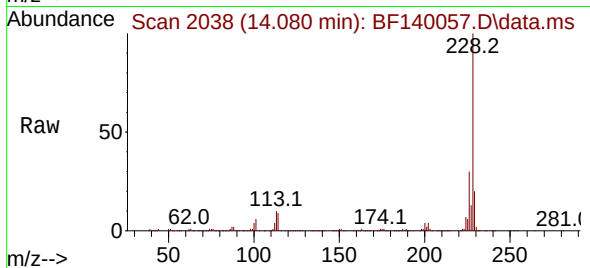
Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS



Tgt Ion:228 Resp: 637684

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

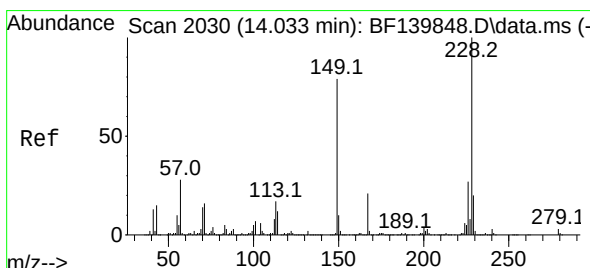
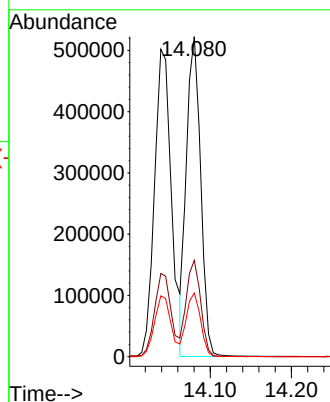
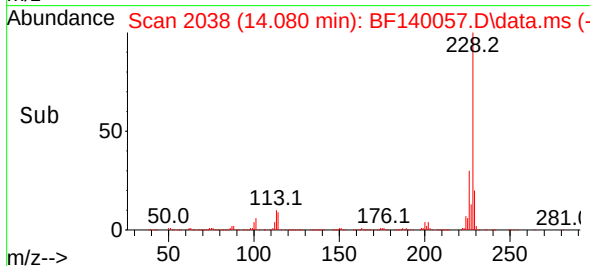
229 19.9 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.011 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

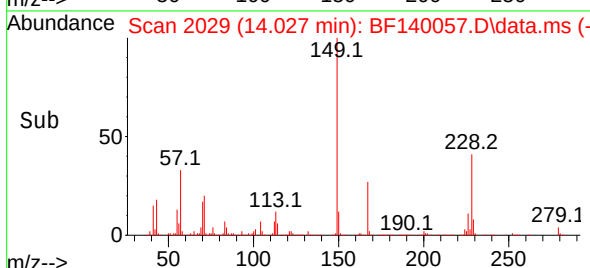
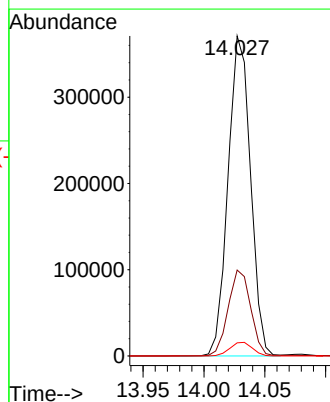
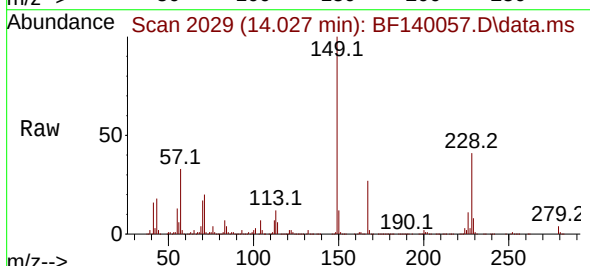
Tgt Ion:149 Resp: 475998

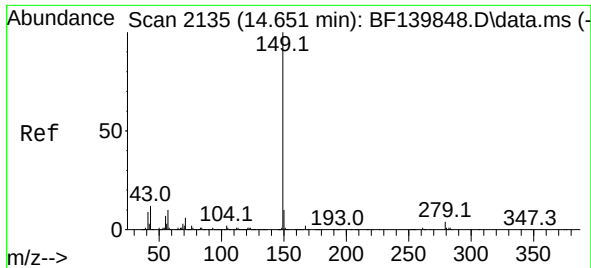
Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

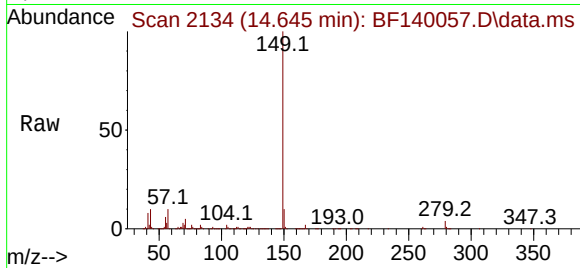
279 4.1 3.0 4.4





#85  
Di-n-octyl phthalate  
Concen: 53.559 ng  
RT: 14.645 min Scan# 2135  
Delta R.T. -0.006 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

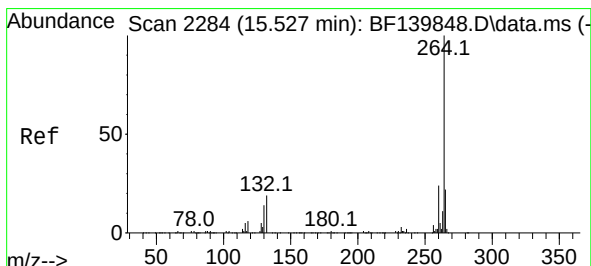
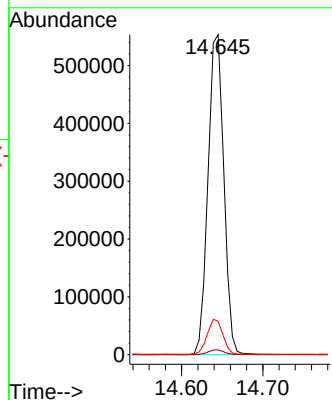
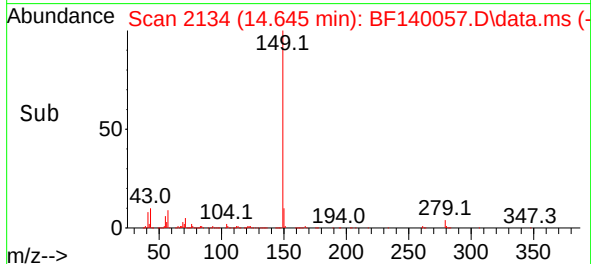
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:149 Resp: 747779  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 10.7 9.8 14.6

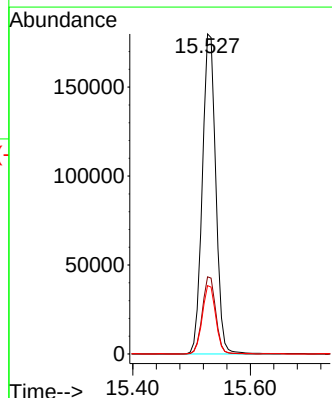
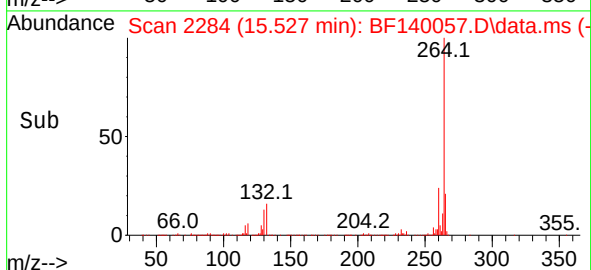
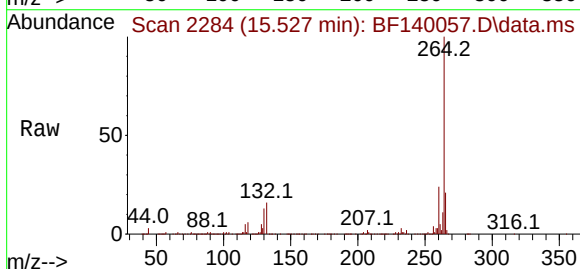
Manual Integrations  
APPROVED

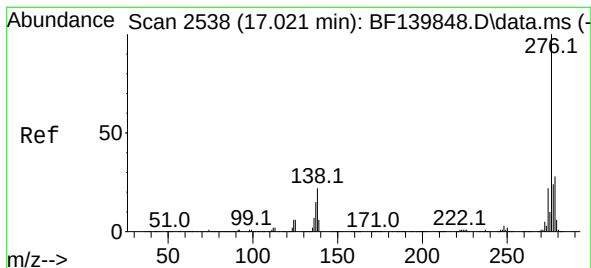
Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:264 Resp: 285198  
Ion Ratio Lower Upper  
264 100  
260 24.1 19.4 29.2  
265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 38.304 ng

RT: 17.027 min Scan# 2538

Delta R.T. 0.006 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

BP-F-20MS

Tgt Ion:276 Resp: 702784

Ion Ratio Lower Upper

276 100

138 23.2 20.4 30.6

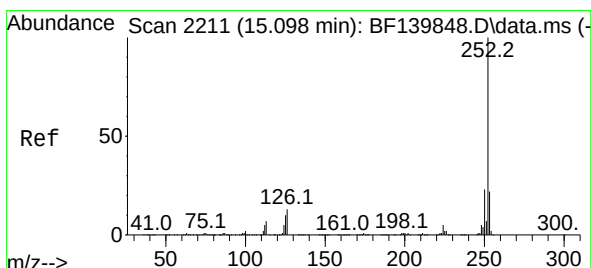
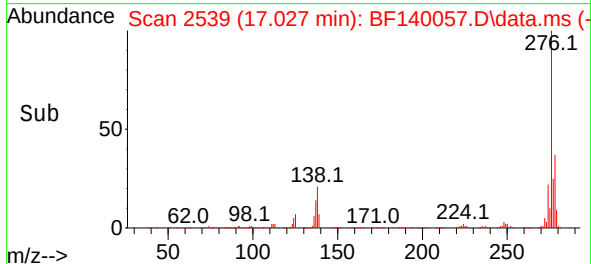
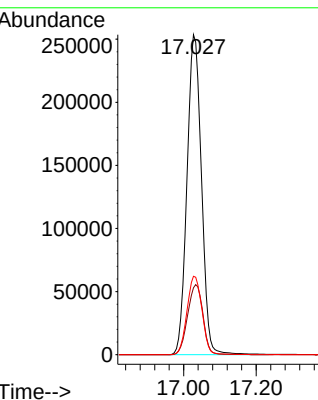
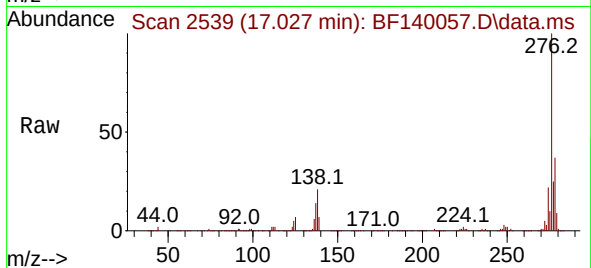
277 25.4 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#88

Benzo(b)fluoranthene

Concen: 39.802 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

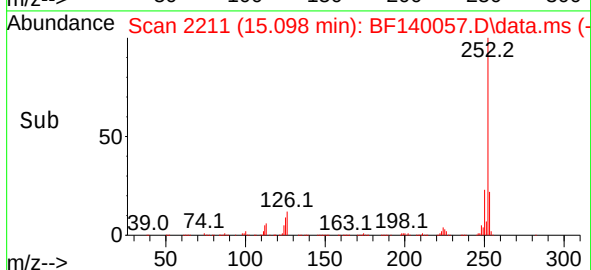
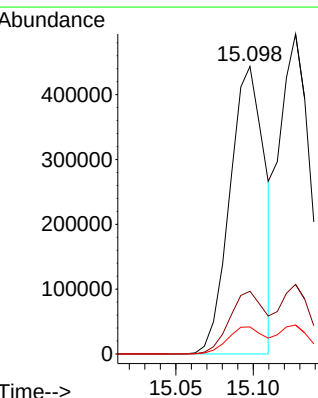
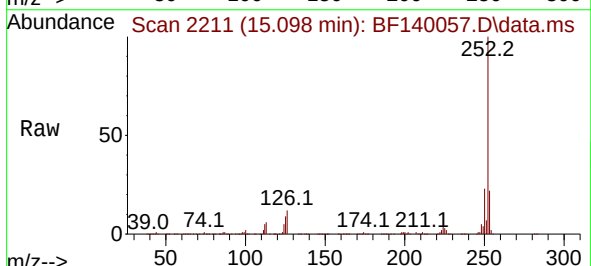
Tgt Ion:252 Resp: 691475

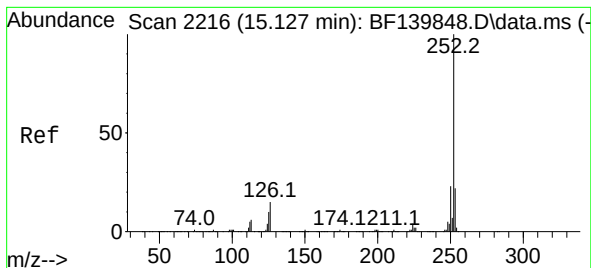
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 9.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 45.233 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Instrument :

BNA\_F

ClientSampleId :

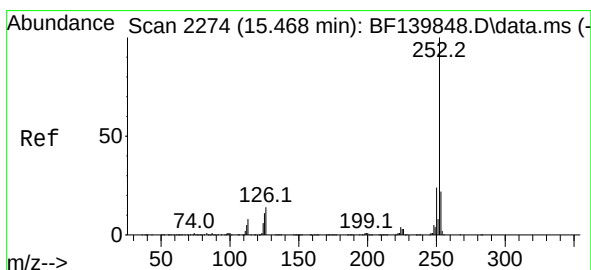
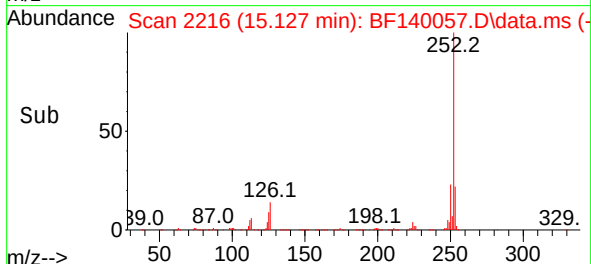
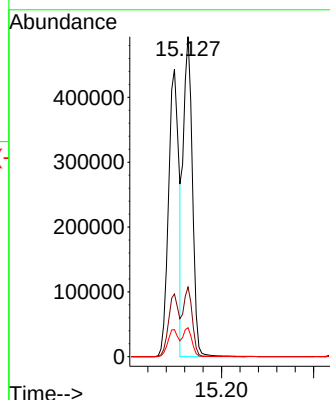
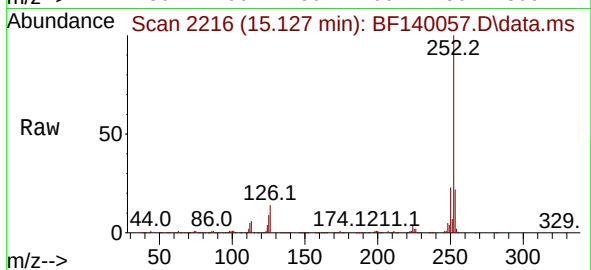
BP-F-20MS

Tgt Ion:252 Resp: 677714  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 17.6 26.4  
 125 9.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
 Supervised By :mohammad ahmed 10/29/2024



#90

Benzo(a)pyrene

Concen: 46.333 ng

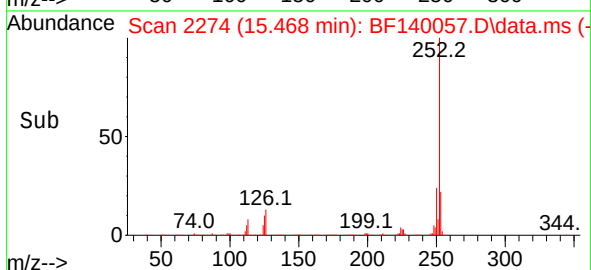
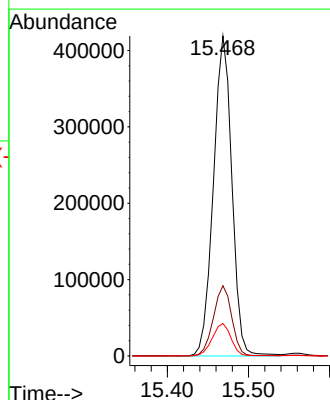
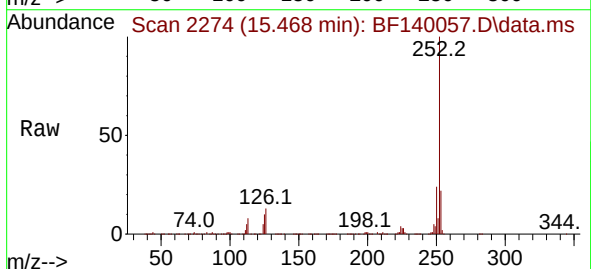
RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

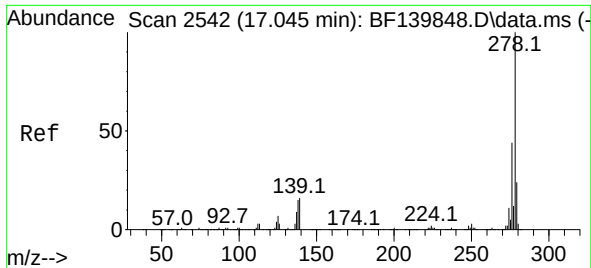
Lab File: BF140057.D

Acq: 26 Oct 2024 13:58

Tgt Ion:252 Resp: 662337  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.3 25.9  
 125 10.1 8.7 13.1

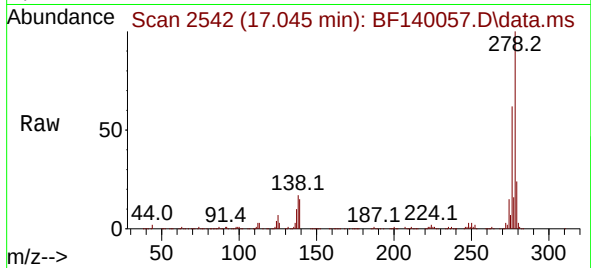






#91  
Dibenzo(a,h)anthracene  
Concen: 38.449 ng  
RT: 17.045 min Scan# 2542  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

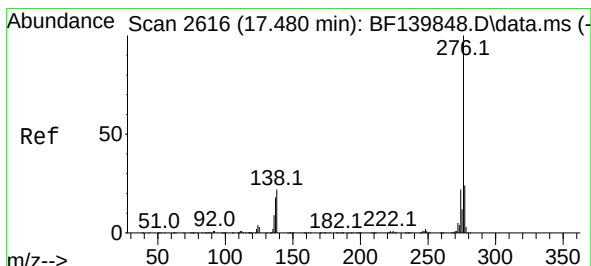
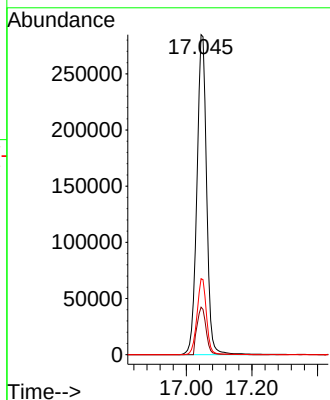
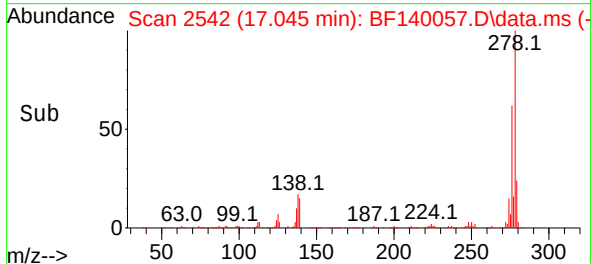
Instrument :  
BNA\_F  
ClientSampleId :  
BP-F-20MS



Tgt Ion:278 Resp: 58850  
Ion Ratio Lower Upper  
278 100  
139 14.8 13.1 19.7  
279 23.8 19.0 28.4

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/29/2024  
Supervised By :mohammad ahmed 10/29/2024



#92  
Benzo(g,h,i)perylene  
Concen: 32.245 ng  
RT: 17.480 min Scan# 2616  
Delta R.T. 0.000 min  
Lab File: BF140057.D  
Acq: 26 Oct 2024 13:58

Tgt Ion:276 Resp: 492985  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.0 28.6  
138 19.8 17.4 26.0

