

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102723\  
 Data File : BF135987.D  
 Acq On : 27 Oct 2023 16:30  
 Operator : CG\JU  
 Sample : 04908-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Quant Time: Oct 27 22:32:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 174114   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 687354   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 347829   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 583142   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 305130   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 371916   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1339915  | 118.833 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1569306  | 111.792 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1068456  | 98.610  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 457989   | 150.430 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1930111  | 88.854  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 1602207  | 87.731  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.793  | 88   | 207412   | 39.599  | ng    | # 84     |
| 3) Pyridine                   | 3.510  | 79   | 483015   | 33.410  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 258356   | 40.985  | ng    | 98       |
| 6) Aniline                    | 6.492  | 93   | 398765   | 21.097  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 566553   | 48.536  | ng    | 99       |
| 9) Benzaldehyde               | 6.375  | 77   | 147539   | 19.429  | ng    | 96       |
| 10) Phenol                    | 6.475  | 94   | 601360m  | 40.977  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 545788   | 47.780  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 589212   | 47.522  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 599550   | 48.148  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 570958   | 49.377  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 463890   | 46.747  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 771007   | 45.832  | ng    | 97       |
| 17) 2-Methylphenol            | 7.081  | 107  | 433684   | 42.155  | ng    | 99       |
| 18) Hexachloroethane          | 7.334  | 117  | 213803   | 50.495  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 375076   | 46.987  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 524077   | 42.208  | ng    | # 86     |
| 22) Acetophenone              | 7.239  | 105  | 764661   | 49.255  | ng    | # 93     |
| 24) Nitrobenzene              | 7.410  | 77   | 562634   | 49.351  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 1064148  | 48.979  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.722  | 139  | 278613   | 61.363  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 433087   | 43.737  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 656965   | 49.241  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 458646   | 51.724  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 502964   | 50.097  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 1587775  | 47.779  | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 193174m  | 43.487  | ng    |          |
| 33) 4-Chloroaniline           | 8.175  | 127  | 99789    | 6.794   | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 279607   | 49.411  | ng    | 99       |
| 35) Caprolactam               | 8.551  | 113  | 140250m  | 47.530  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.663  | 107  | 485910   | 51.565  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 1001621  | 45.554  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 969636   | 47.195  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 480663   | 48.927  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 349716   | 72.194  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 322114   | 56.021  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102723\  
 Data File : BF135987.D  
 Acq On : 27 Oct 2023 16:30  
 Operator : CG\JU  
 Sample : 04908-03MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS

Quant Time: Oct 27 22:32:34 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 340771   | 49.915  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 1283259  | 48.689  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 966547   | 49.580  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.410  | 65   | 298284   | 54.338  | ng    | 93       |
| 49) Acenaphthylene            | 9.727  | 152  | 1527830  | 49.678  | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 1133383  | 50.246  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 256955   | 54.244  | ng    | 92       |
| 52) Acenaphthene              | 9.904  | 154  | 935289   | 47.453  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 161149   | 30.624  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 70875    | 55.173  | ng    | 92       |
| 55) Dibenzofuran              | 10.075 | 168  | 1338101  | 46.994  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.980  | 139  | 350118   | 77.179  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 323907   | 54.991  | ng    | 98       |
| 58) Fluorene                  | 10.416 | 166  | 993423   | 46.634  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 271549   | 52.859  | ng    | 100      |
| 60) Diethylphthalate          | 10.298 | 149  | 1084963  | 50.441  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 483582   | 47.060  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 247988   | 45.073  | ng    | 92       |
| 63) Azobenzene                | 10.574 | 77   | 1020404  | 46.746  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 66614    | 39.467  | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 928509   | 52.706  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 316446   | 52.988  | ng    | 96       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 354401   | 55.553  | ng    | 96       |
| 69) Atrazine                  | 11.063 | 200  | 314569   | 65.502  | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 285609   | 71.107  | ng    | 99       |
| 71) Phenanthrene              | 11.380 | 178  | 1440699  | 48.833  | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 1452001  | 48.066  | ng    | 100      |
| 73) Carbazole                 | 11.592 | 167  | 1224590  | 45.444  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1549809  | 54.047  | ng    | 99       |
| 75) Fluoranthene              | 12.574 | 202  | 1218681  | 39.264  | ng    | 98       |
| 77) Benzidine                 | 12.698 | 184  | 602110   | 102.337 | ng    | 99       |
| 78) Pyrene                    | 12.804 | 202  | 1199650  | 46.825  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 461984   | 47.736  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1024005  | 49.356  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 178652   | 28.303  | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 982754   | 48.635  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 539536   | 51.213  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1045114  | 62.974  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.003 | 276  | 823889   | 39.067  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.062 | 252  | 1094390  | 49.445  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 1052809  | 48.432  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 954539   | 46.793  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 694121   | 38.480  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 602918   | 30.853  | ng    | 100      |

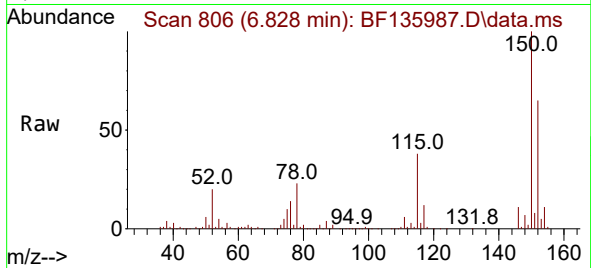
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

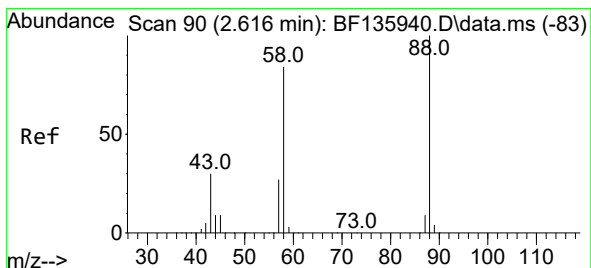
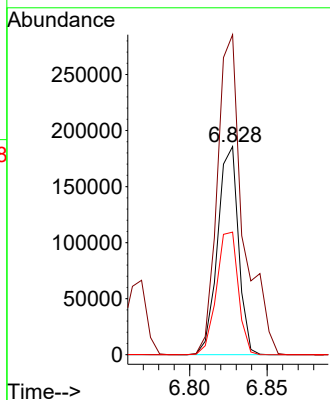
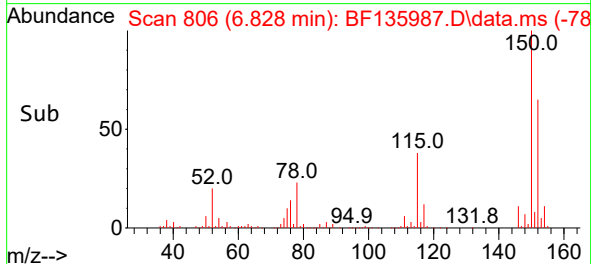
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:152 Resp: 174114  
Ion Ratio Lower Upper  
152 100  
150 153.7 124.6 186.8  
115 58.9 46.6 69.8

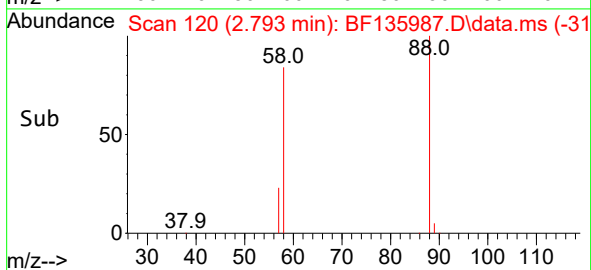
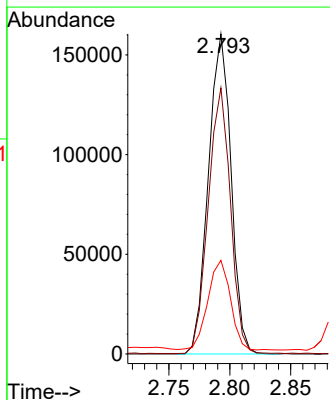
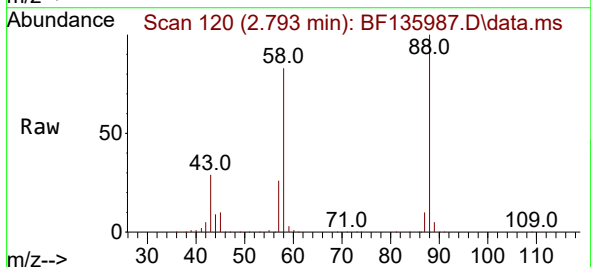
Manual Integrations  
APPROVED

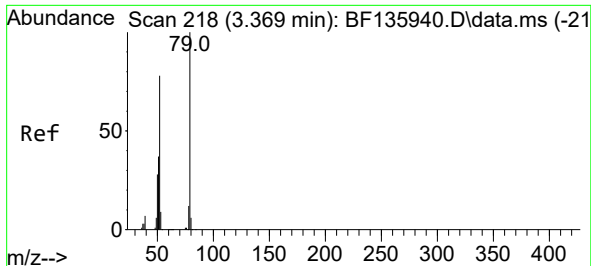
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#2  
1,4-Dioxane  
Concen: 39.599 ng  
RT: 2.793 min Scan# 120  
Delta R.T. 0.176 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

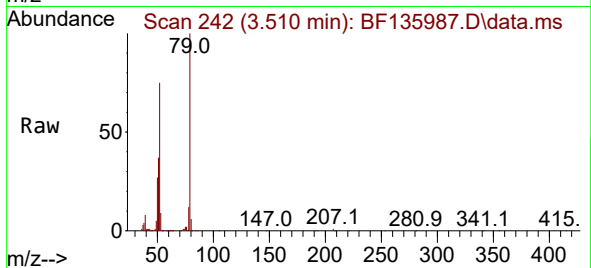
Tgt Ion: 88 Resp: 207412  
Ion Ratio Lower Upper  
88 100  
58 81.5 66.6 100.0  
43 0.0 23.8 35.8





#3  
Pyridine  
Concen: 33.410 ng  
RT: 3.510 min Scan# 242  
Delta R.T. 0.141 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

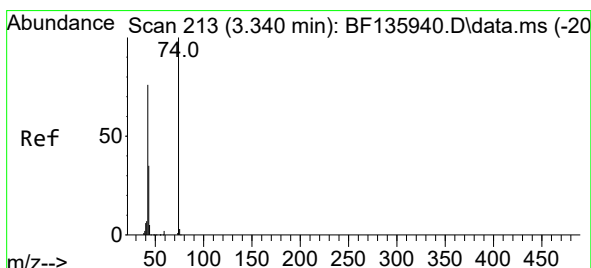
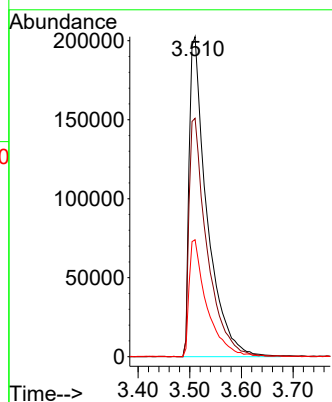
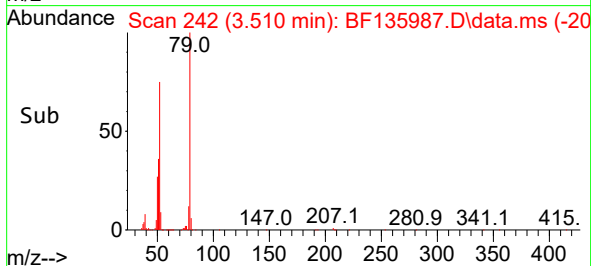
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



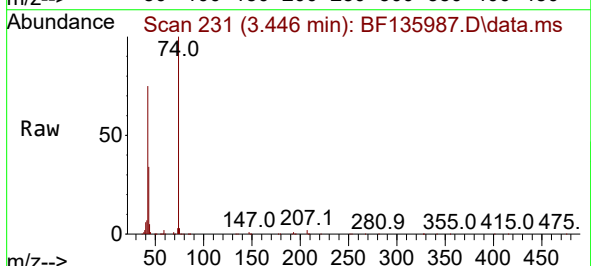
Tgt Ion: 79 Resp: 483015  
Ion Ratio Lower Upper  
79 100  
52 74.5 62.6 93.8  
51 36.5 29.8 44.8

Manual Integrations  
APPROVED

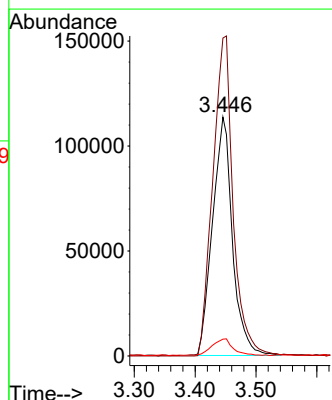
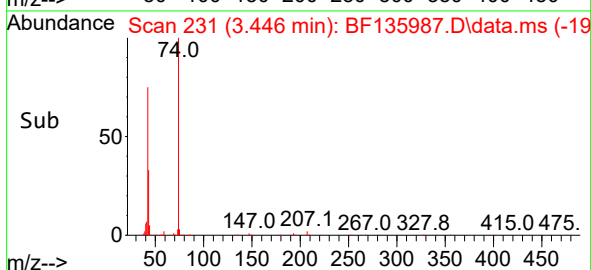
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

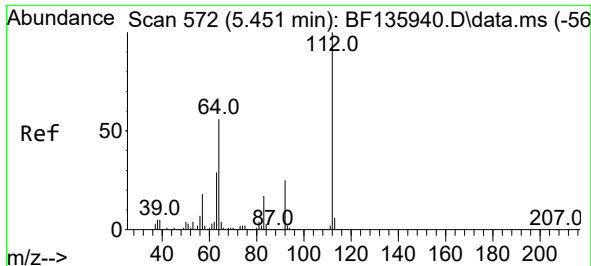


#4  
n-Nitrosodimethylamine  
Concen: 40.985 ng  
RT: 3.446 min Scan# 231  
Delta R.T. 0.106 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion: 42 Resp: 258356  
Ion Ratio Lower Upper  
42 100  
74 133.1 104.8 157.2  
44 7.0 5.9 8.9





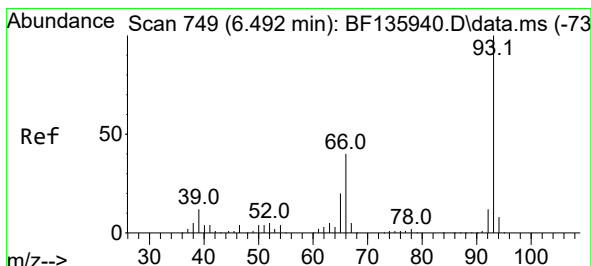
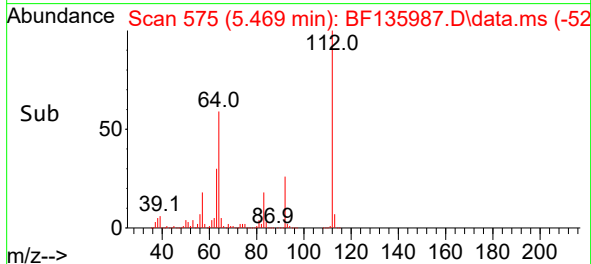
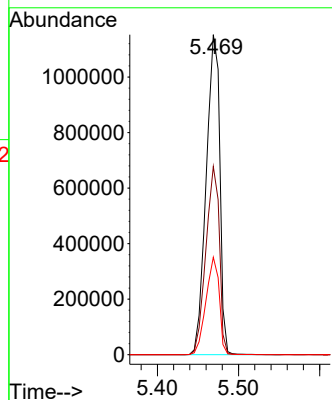
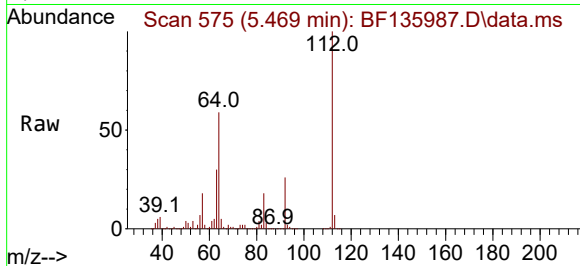
#5  
2-Fluorophenol  
Concen: 118.833 ng  
RT: 5.469 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:112 Resp: 133991  
Ion Ratio Lower Upper  
112 100  
64 58.8 45.1 67.7  
63 30.5 23.0 34.4

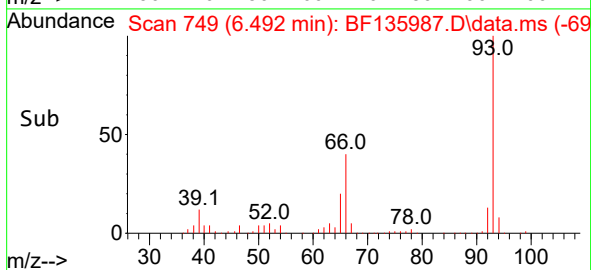
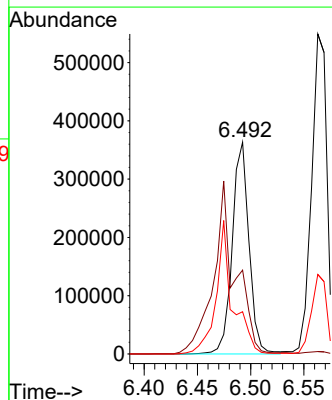
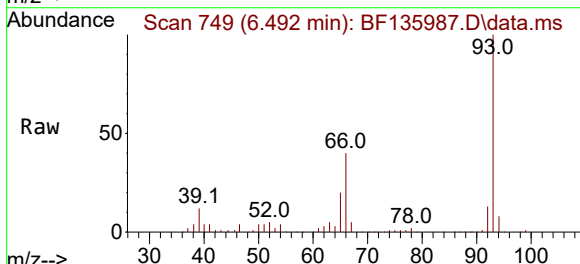
Manual Integrations  
APPROVED

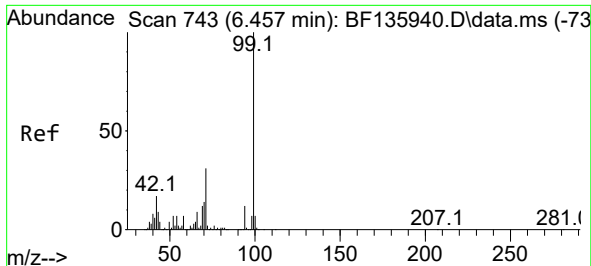
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#6  
Aniline  
Concen: 21.097 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

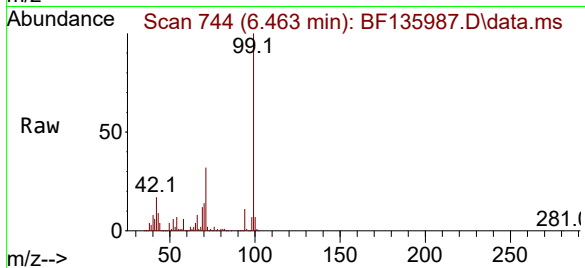
Tgt Ion: 93 Resp: 398765  
Ion Ratio Lower Upper  
93 100  
66 39.6 32.0 48.0  
65 20.0 16.2 24.4





#7  
Phenol-d6  
Concen: 111.792 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

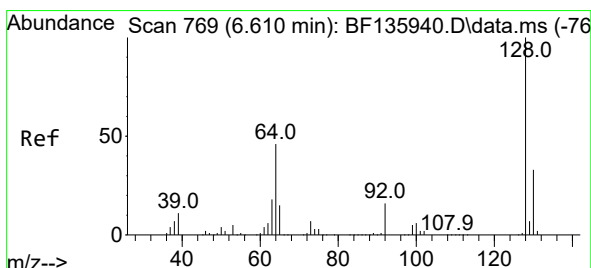
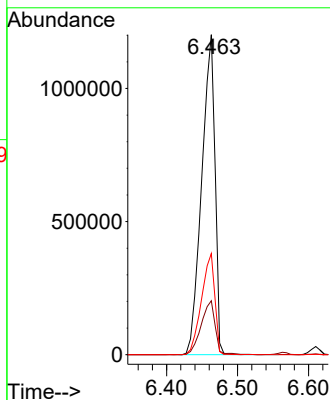
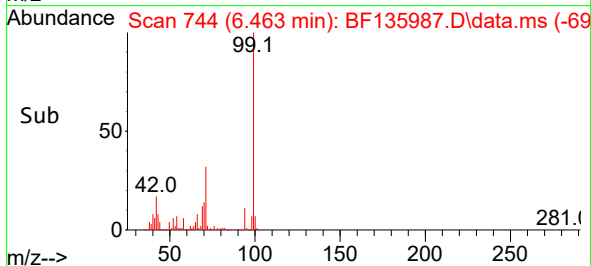
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



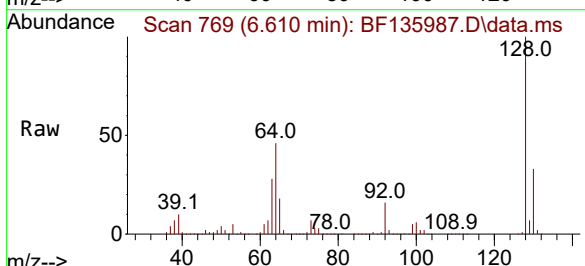
Tgt Ion: 99 Resp: 1569300  
Ion Ratio Lower Upper  
99 100  
42 16.9 13.8 20.8  
71 31.6 25.1 37.7

Manual Integrations  
APPROVED

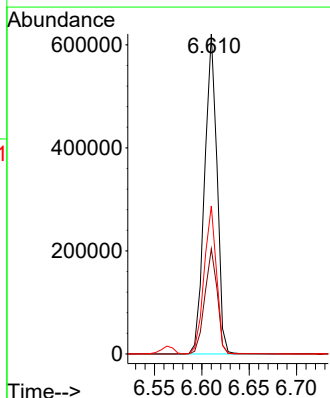
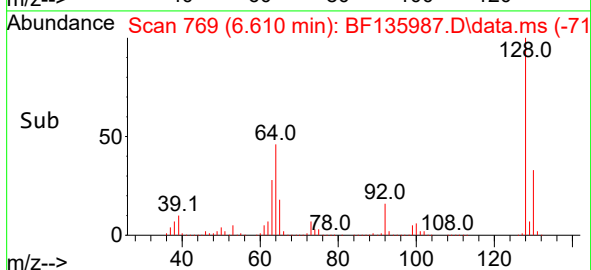
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

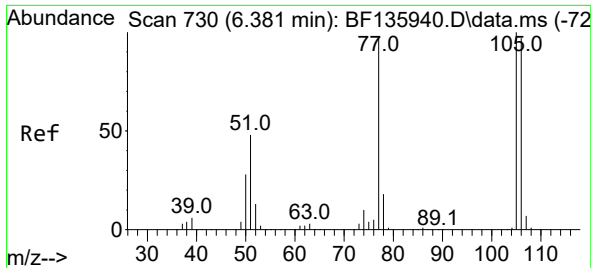


#8  
2-Chlorophenol  
Concen: 48.536 ng  
RT: 6.610 min Scan# 769  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:128 Resp: 566553  
Ion Ratio Lower Upper  
128 100  
130 32.8 13.1 53.1  
64 46.3 27.0 67.0





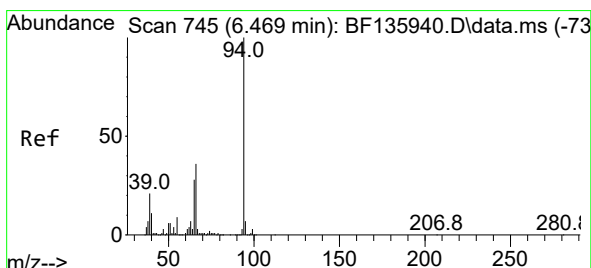
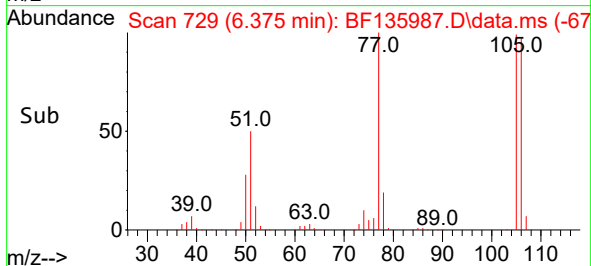
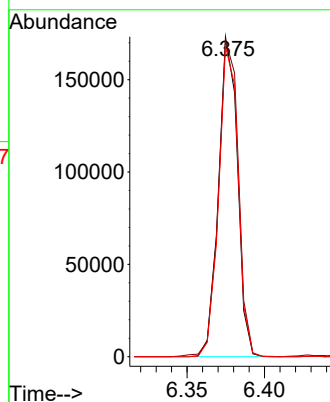
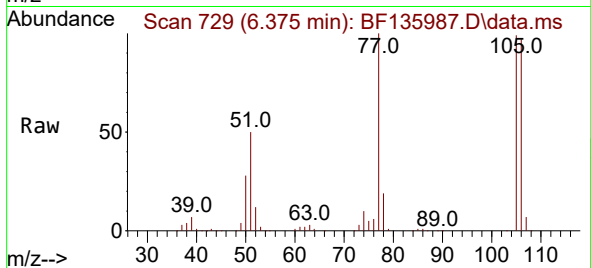
#9  
Benzaldehyde  
Concen: 19.429 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion: 77 Resp: 147539  
Ion Ratio Lower Upper  
77 100  
105 99.0 83.2 123.2  
106 97.0 80.0 120.0

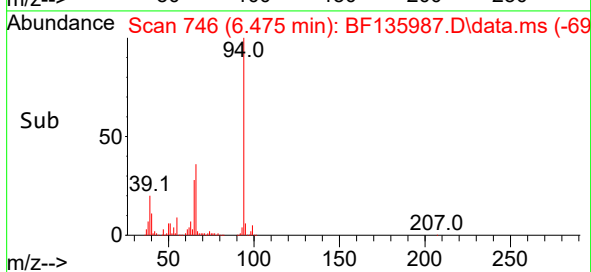
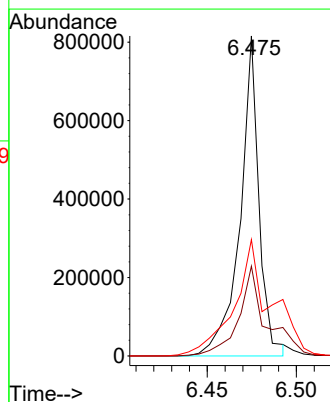
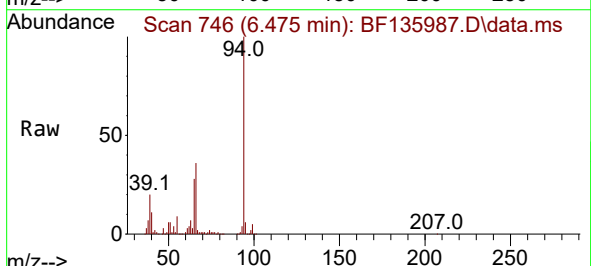
Manual Integrations  
APPROVED

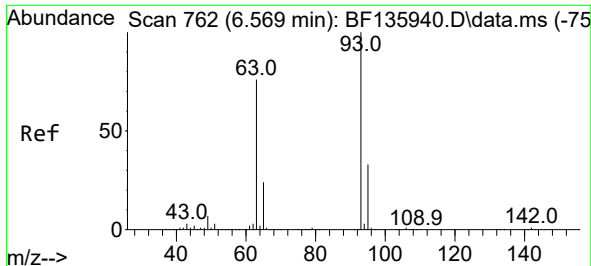
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#10  
Phenol  
Concen: 40.977 ng m  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion: 94 Resp: 601360  
Ion Ratio Lower Upper  
94 100  
65 28.1 7.8 47.8  
66 36.4 16.5 56.5





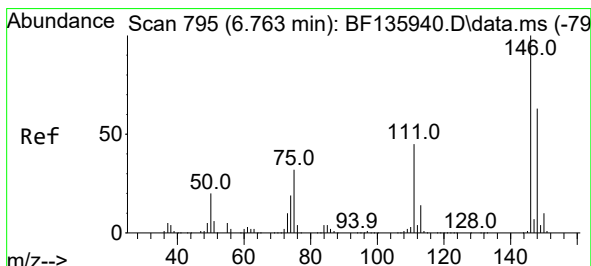
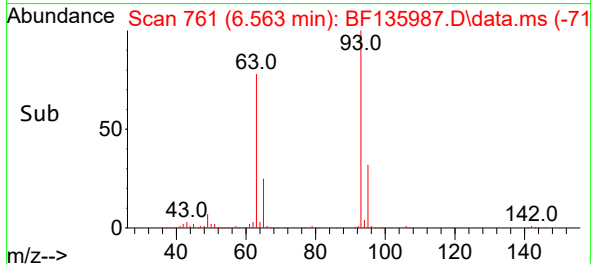
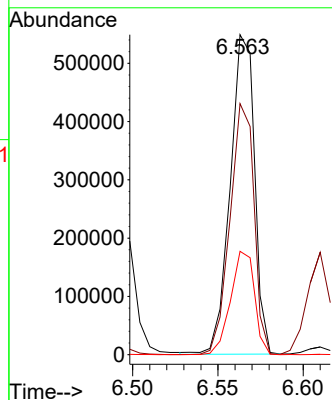
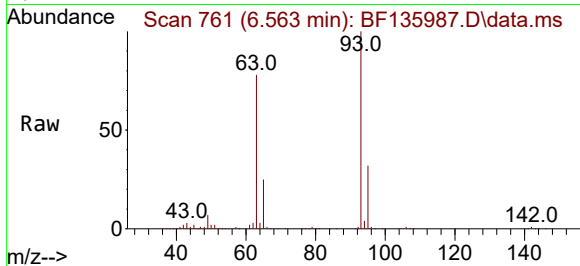
#11  
bis(2-Chloroethyl)ether  
Concen: 47.780 ng  
RT: 6.563 min Scan# 761  
Delta R.T. -0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion: 93 Resp: 545788  
Ion Ratio Lower Upper  
93 100  
63 78.4 56.2 96.2  
95 32.3 12.9 52.9

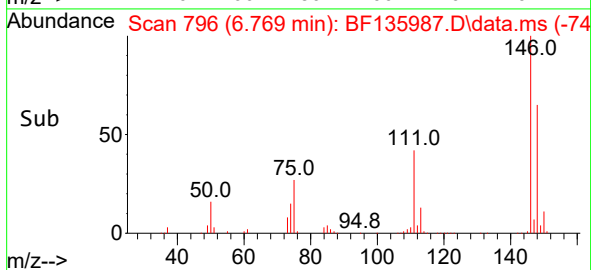
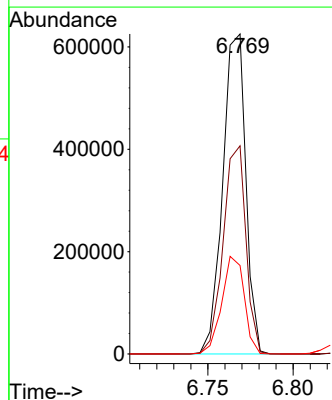
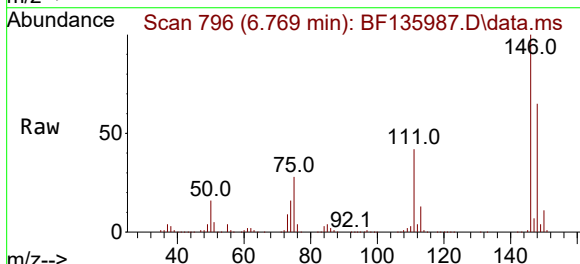
Manual Integrations  
APPROVED

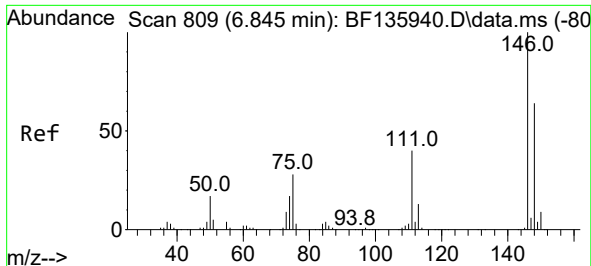
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#12  
1,3-Dichlorobenzene  
Concen: 47.522 ng  
RT: 6.769 min Scan# 796  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:146 Resp: 589212  
Ion Ratio Lower Upper  
146 100  
148 65.0 50.2 75.4  
75 27.6 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 48.148 ng

RT: 6.845 min Scan# 809

Delta R.T. -0.000 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:146 Resp: 599550

Ion Ratio Lower Upper

146 100

148 64.8 51.4 77.2

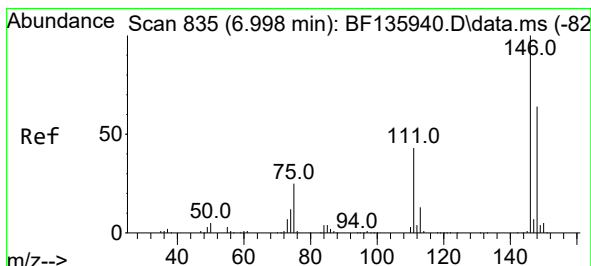
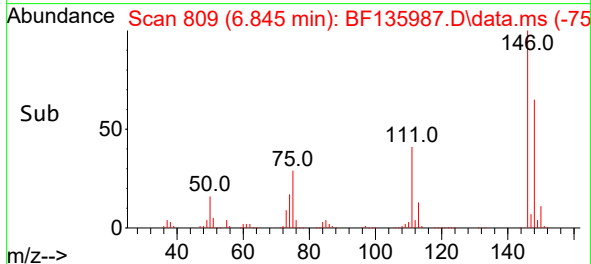
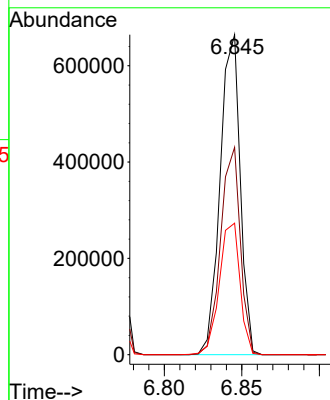
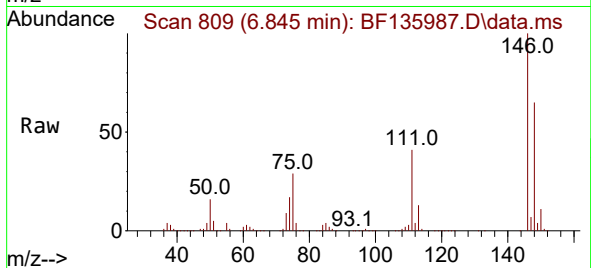
111 41.1 31.8 47.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#14

1,2-Dichlorobenzene

Concen: 49.377 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

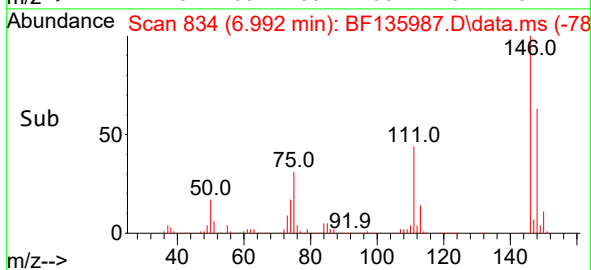
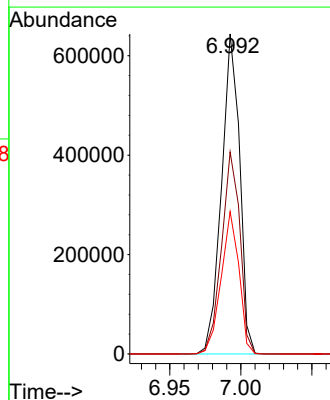
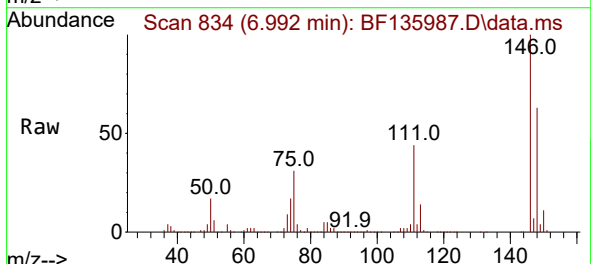
Tgt Ion:146 Resp: 570958

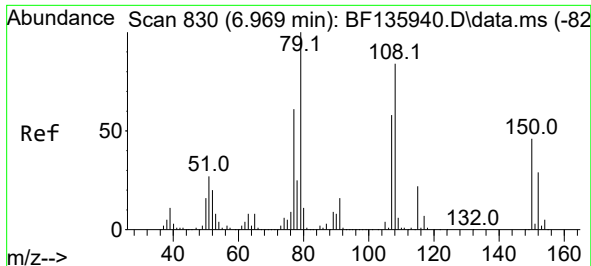
Ion Ratio Lower Upper

146 100

148 63.2 51.4 77.0

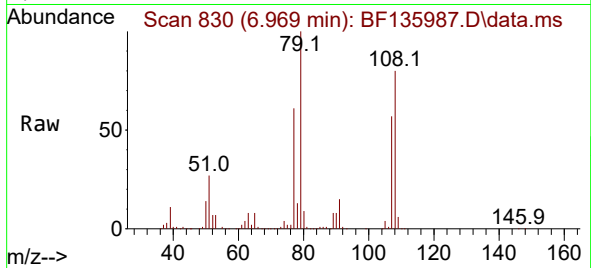
111 44.5 34.2 51.4





#15  
Benzyl Alcohol  
Concen: 46.747 ng  
RT: 6.969 min Scan# 830  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

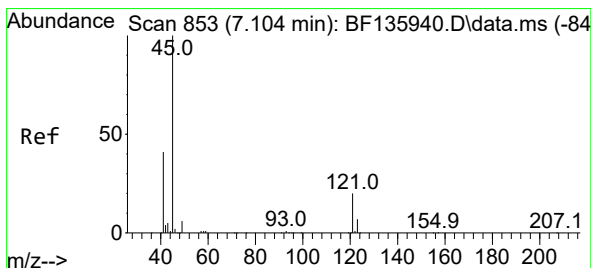
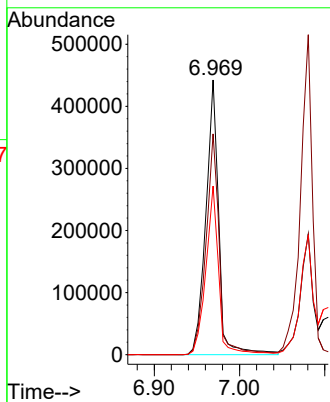
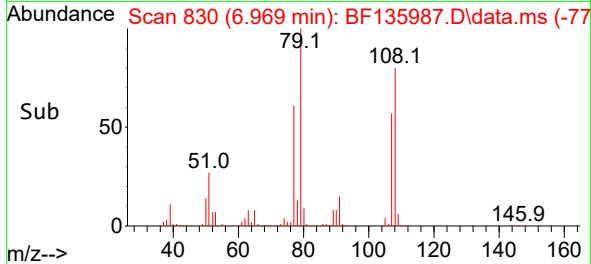
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion: 79 Resp: 463890  
Ion Ratio Lower Upper  
79 100  
108 80.4 67.2 100.8  
77 61.4 49.0 73.6

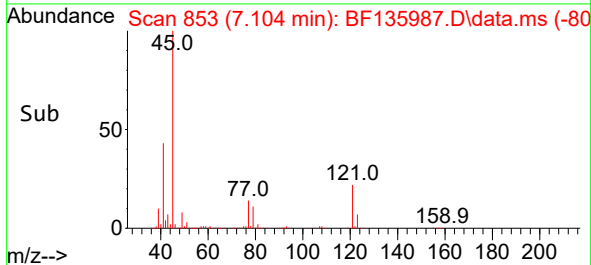
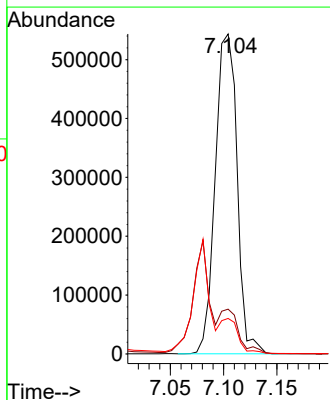
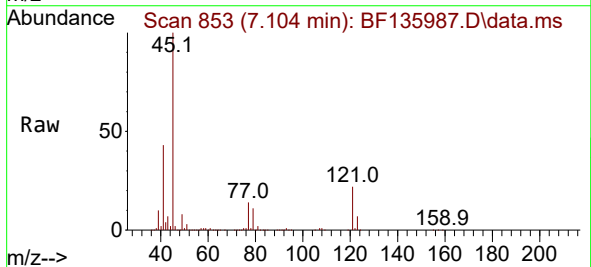
Manual Integrations  
APPROVED

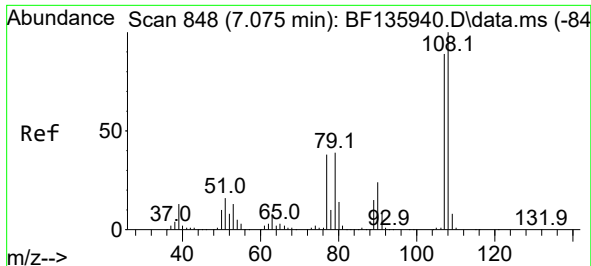
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.832 ng  
RT: 7.104 min Scan# 853  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion: 45 Resp: 771007  
Ion Ratio Lower Upper  
45 100  
77 14.0 0.0 33.2  
79 11.1 0.0 29.8





#17

2-Methylphenol

Concen: 42.155 ng

RT: 7.081 min Scan# 848

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:107 Resp: 433684

Ion Ratio Lower Upper

107 100

108 114.6 89.8 134.6

77 42.8 34.2 51.2

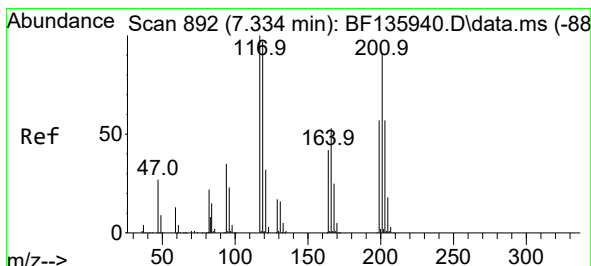
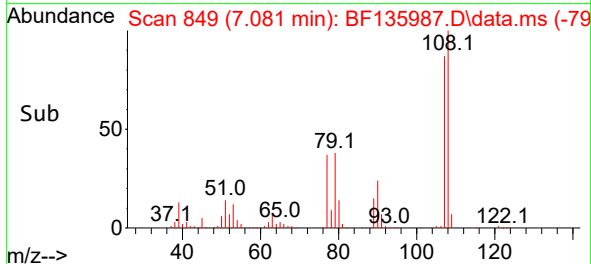
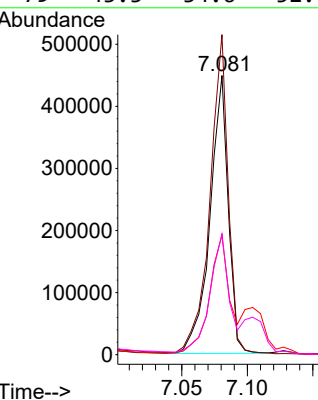
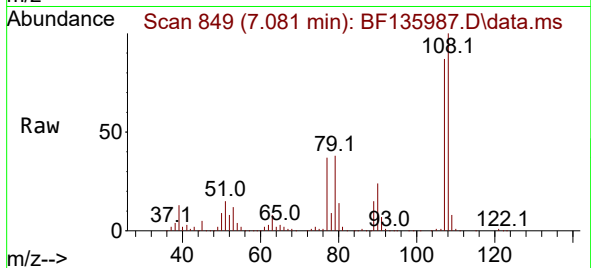
79 43.3 34.6 52.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#18

Hexachloroethane

Concen: 50.495 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.000 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

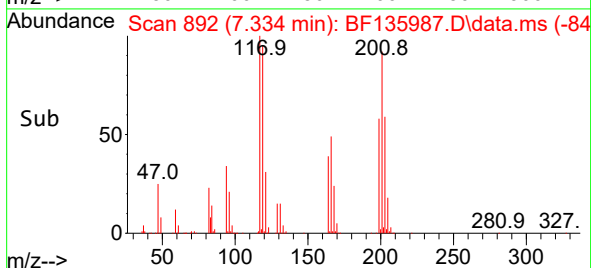
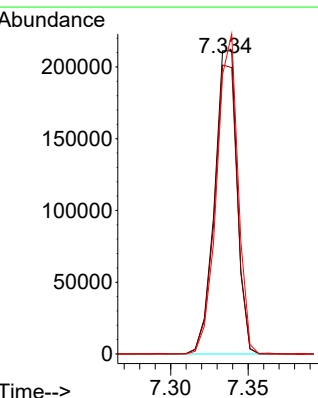
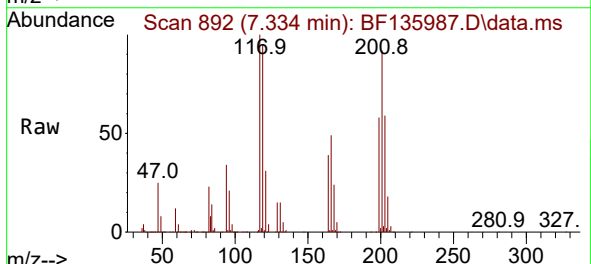
Tgt Ion:117 Resp: 213803

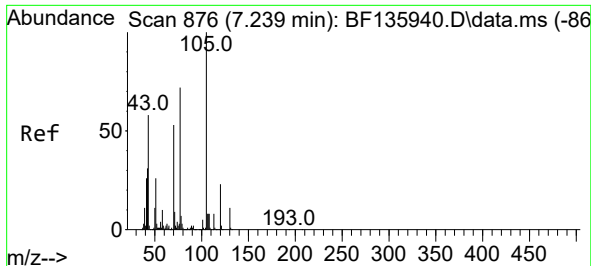
Ion Ratio Lower Upper

117 100

119 95.3 77.3 115.9

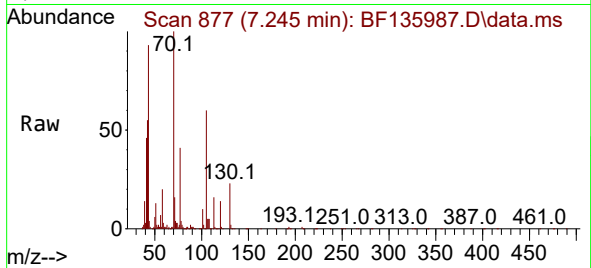
201 92.2 72.8 109.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 46.987 ng  
RT: 7.245 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

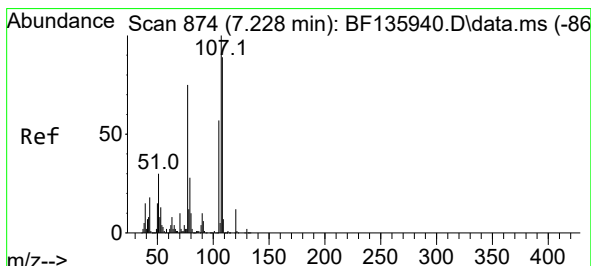
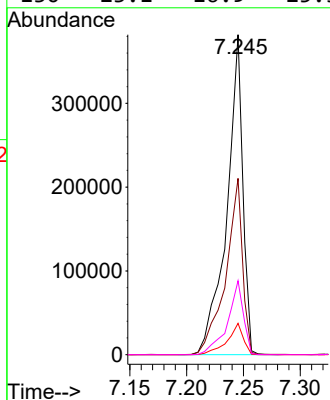
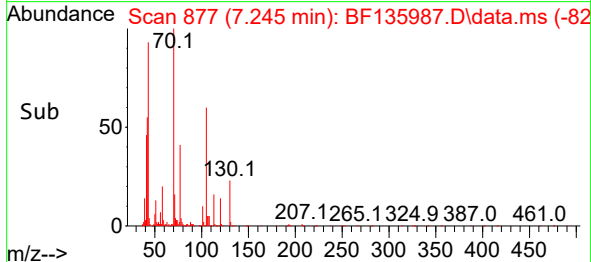
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion: 70 Resp: 375070  
Ion Ratio Lower Upper  
70 100  
42 55.1 47.3 70.9  
101 9.8 7.8 11.8  
130 23.1 16.9 25.3

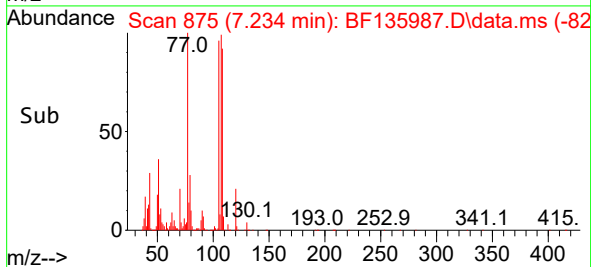
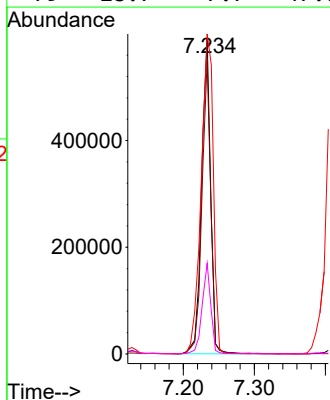
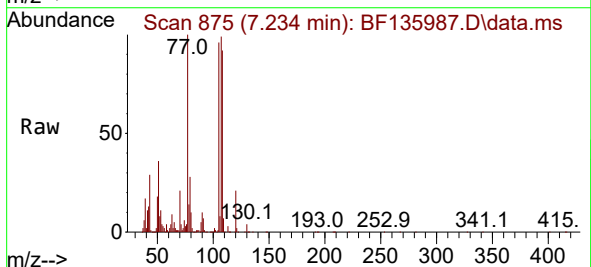
Manual Integrations  
APPROVED

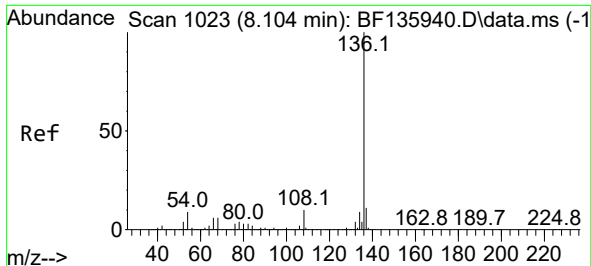
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#20  
3+4-Methylphenols  
Concen: 42.208 ng  
RT: 7.234 min Scan# 875  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

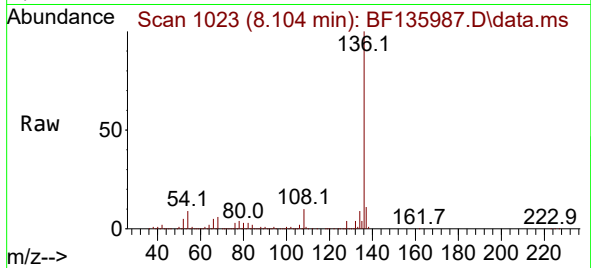
Tgt Ion:107 Resp: 524077  
Ion Ratio Lower Upper  
107 100  
108 92.9 69.1 109.1  
77 101.3 55.0 95.0#  
79 28.7 7.7 47.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

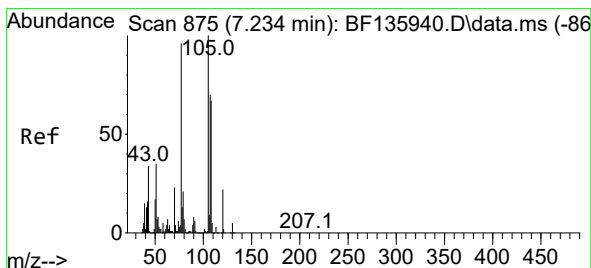
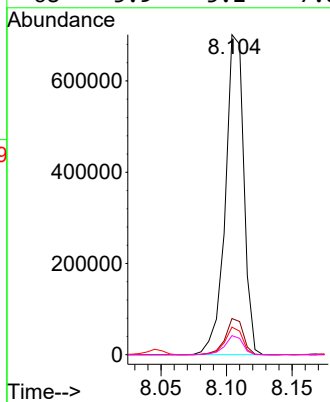
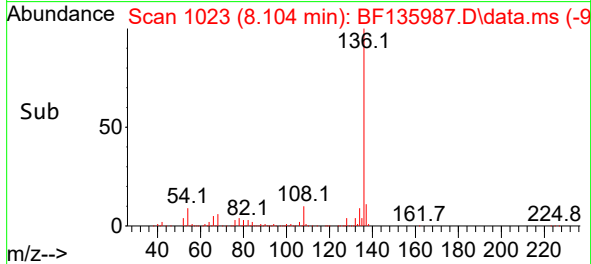
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:136 Resp: 687354  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.6  
54 8.6 7.1 10.7  
68 5.9 5.2 7.8

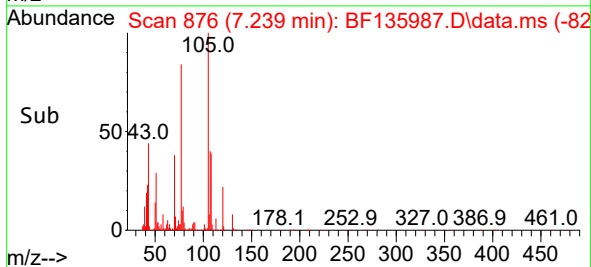
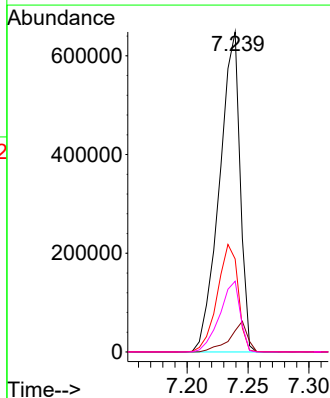
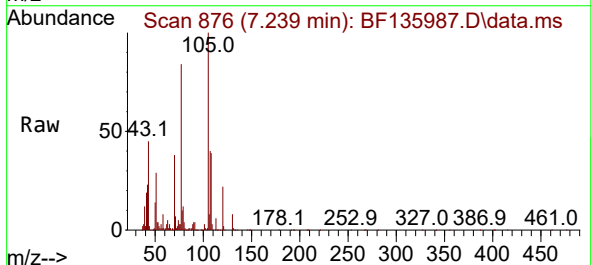
Manual Integrations  
APPROVED

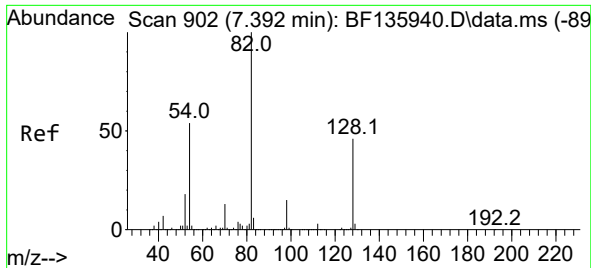
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#22  
Acetophenone  
Concen: 49.255 ng  
RT: 7.239 min Scan# 876  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:105 Resp: 764661  
Ion Ratio Lower Upper  
105 100  
71 6.7 3.4 5.2#  
51 29.1 28.4 42.6  
120 22.1 17.8 26.6





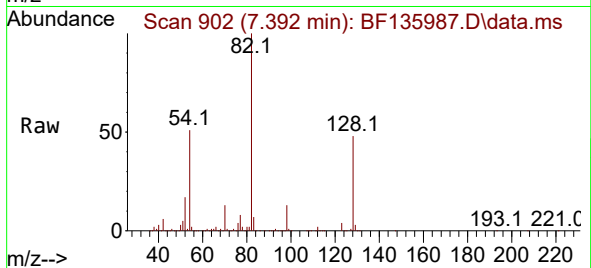
#23  
Nitrobenzene-d5  
Concen: 98.610 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

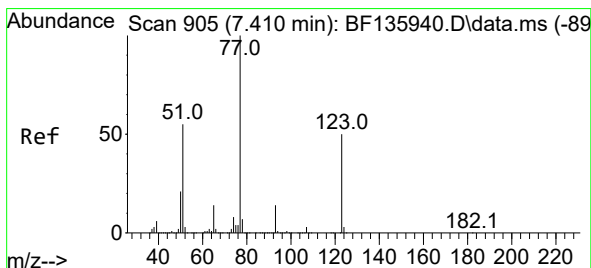
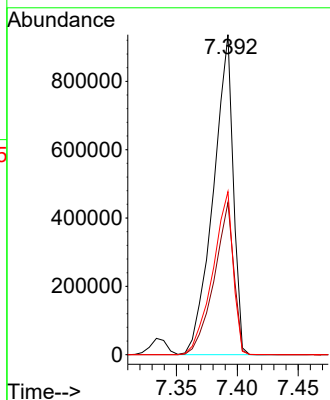
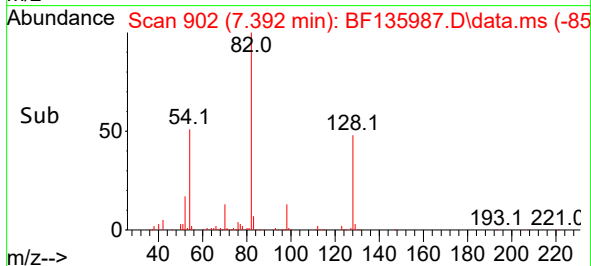


Tgt Ion: 82 Resp: 1068450  
Ion Ratio Lower Upper  
82 100  
128 47.6 36.8 55.2  
54 50.9 43.4 65.0

Manual Integrations

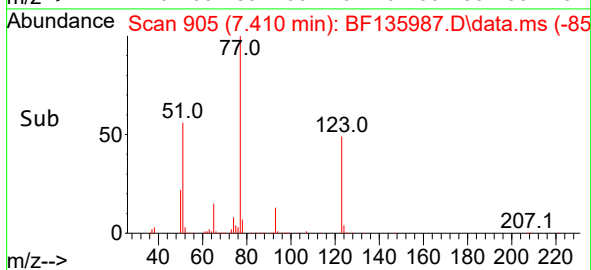
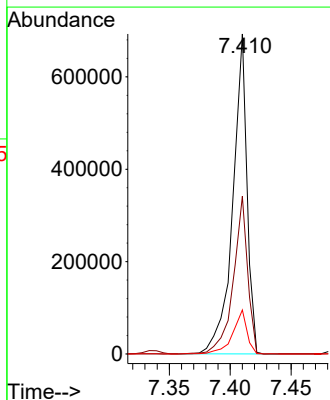
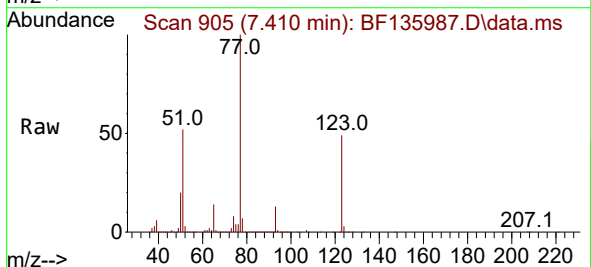
APPROVED

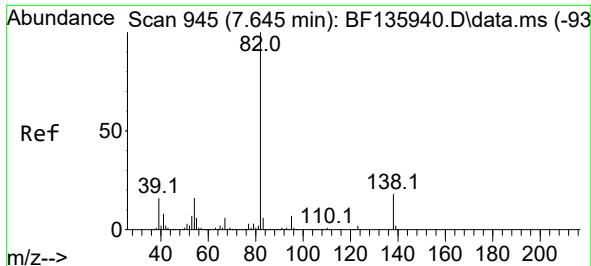
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#24  
Nitrobenzene  
Concen: 49.351 ng  
RT: 7.410 min Scan# 905  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion: 77 Resp: 562634  
Ion Ratio Lower Upper  
77 100  
123 49.3 40.2 60.2  
65 13.7 11.0 16.4





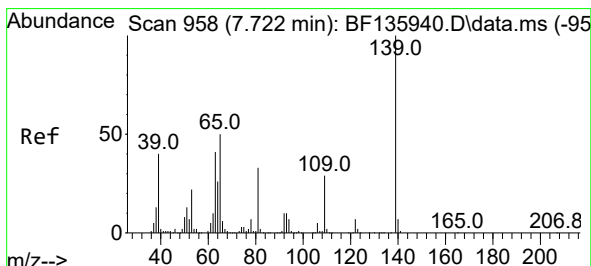
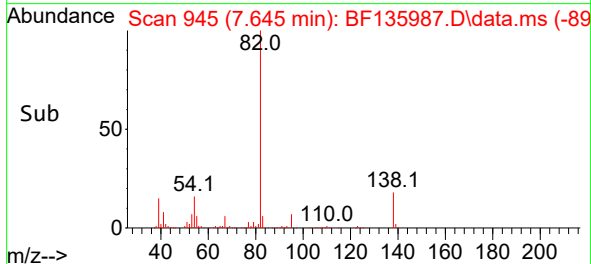
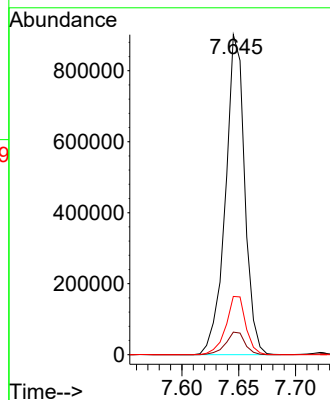
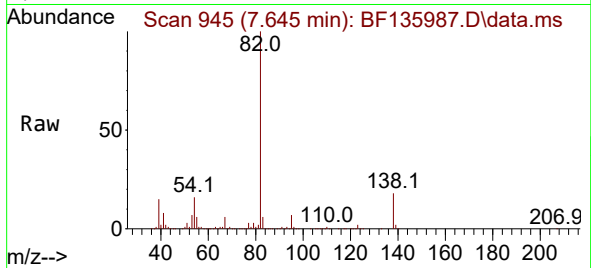
#25  
Isophorone  
Concen: 48.979 ng  
RT: 7.645 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion: 82 Resp: 106414  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.6 8.4  
138 18.2 14.8 22.2

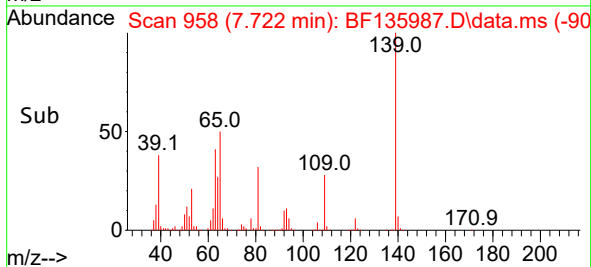
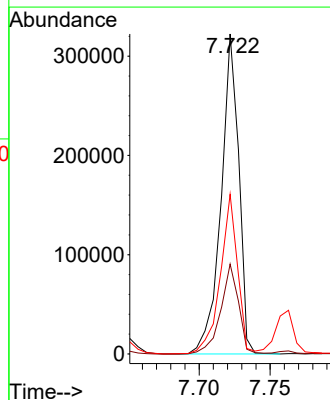
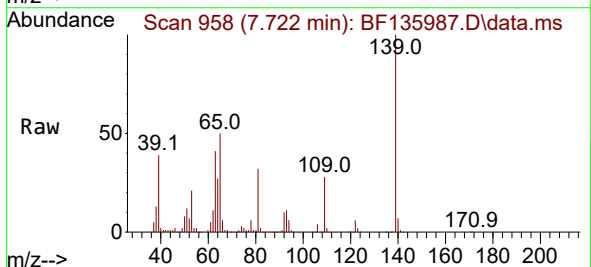
Manual Integrations  
APPROVED

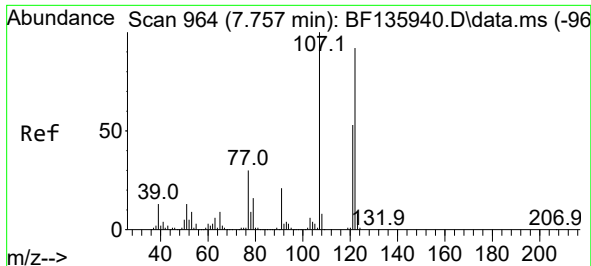
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#26  
2-Nitrophenol  
Concen: 61.363 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:139 Resp: 278613  
Ion Ratio Lower Upper  
139 100  
109 28.1 23.1 34.7  
65 49.9 39.8 59.8





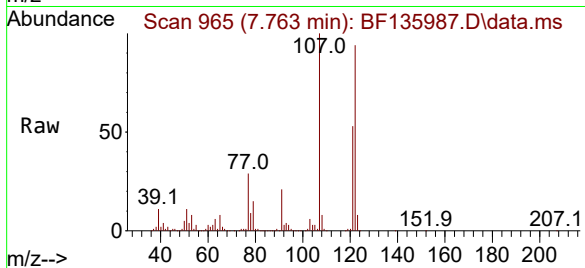
#27  
2,4-Dimethylphenol  
Concen: 43.737 ng  
RT: 7.763 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS



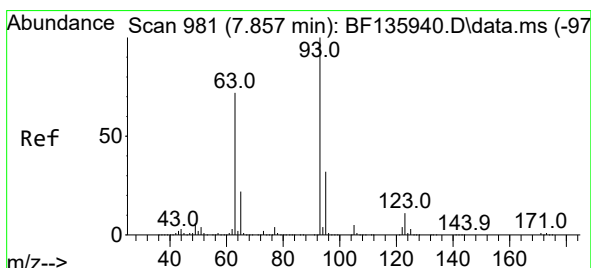
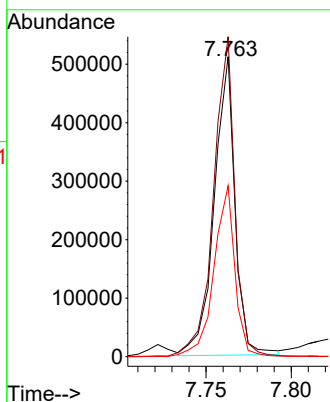
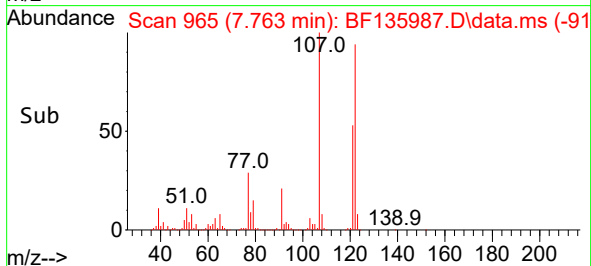
Tgt Ion:122 Resp: 43308  
Ion Ratio Lower Upper  
122 100  
107 106.6 87.1 130.7  
121 56.9 45.9 68.9

Manual Integrations

APPROVED

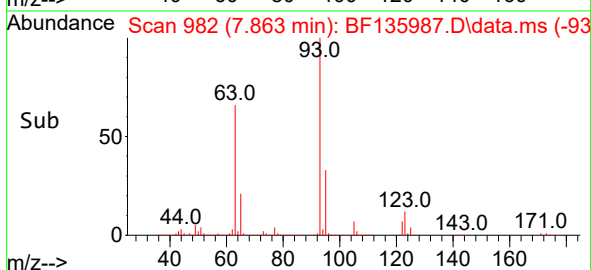
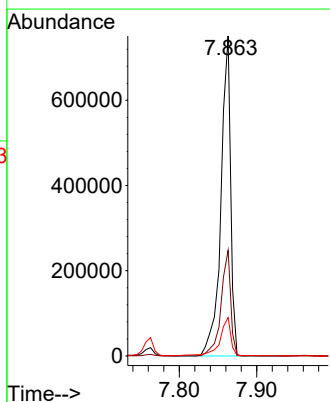
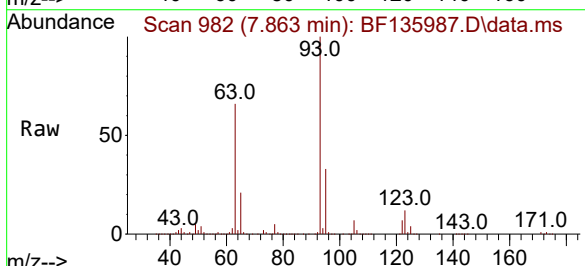
Reviewed By :Yogesh Patel 10/28/2023

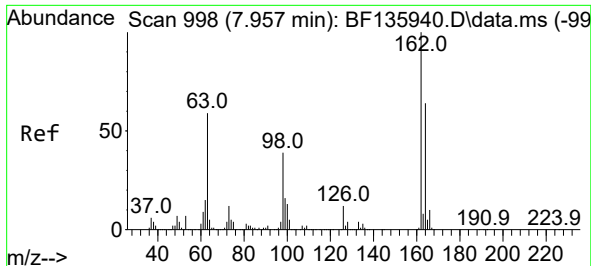
Supervised By :mohammad ahmed 10/28/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.241 ng  
RT: 7.863 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion: 93 Resp: 656965  
Ion Ratio Lower Upper  
93 100  
95 33.0 25.9 38.9  
123 12.0 9.0 13.6





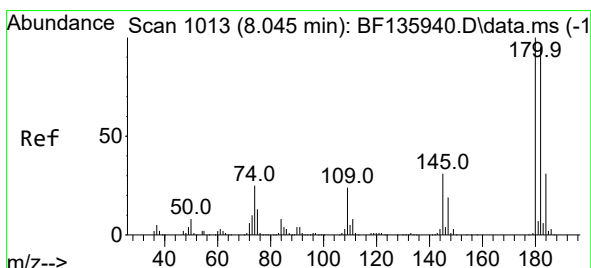
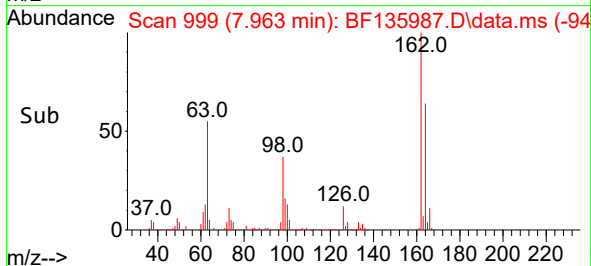
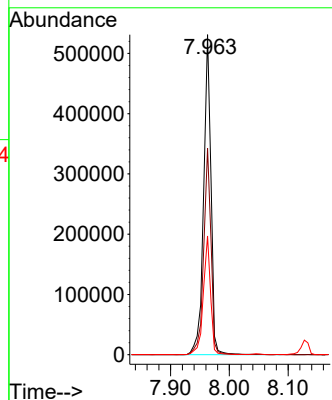
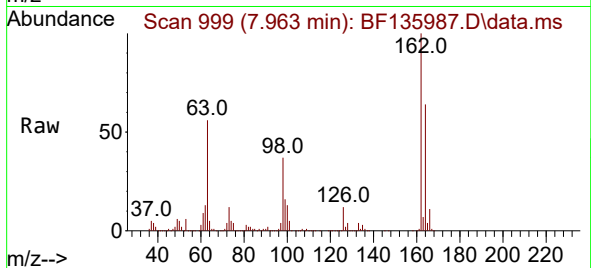
#29  
2,4-Dichlorophenol  
Concen: 51.724 ng  
RT: 7.963 min Scan# 998  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
Client SampleId :  
TP-1MS

Tgt Ion:162 Resp: 458640  
Ion Ratio Lower Upper  
162 100  
164 64.5 43.7 83.7  
98 37.1 18.8 58.8

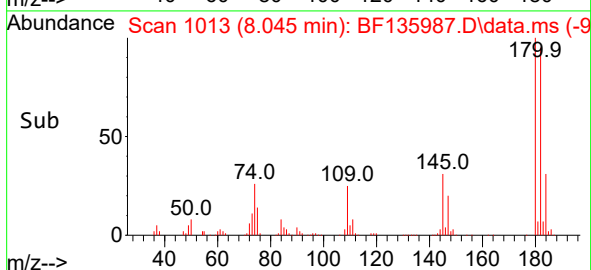
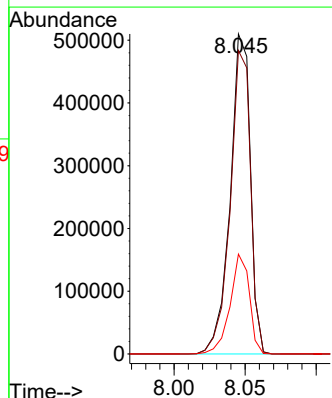
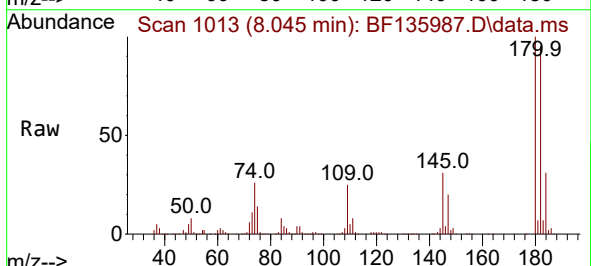
Manual Integrations  
APPROVED

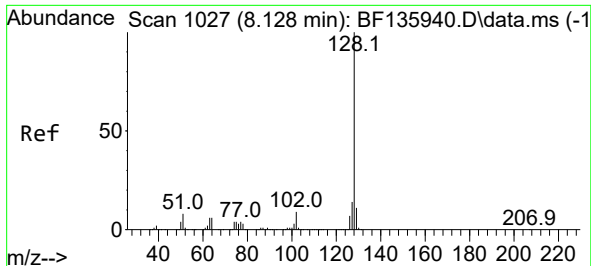
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 50.097 ng  
RT: 8.045 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:180 Resp: 502964  
Ion Ratio Lower Upper  
180 100  
182 94.8 76.0 114.0  
145 31.2 24.6 36.8





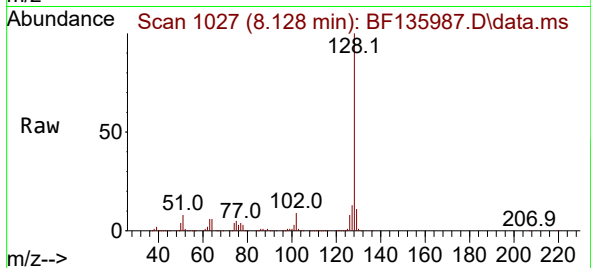
#31  
Naphthalene  
Concen: 47.779 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS



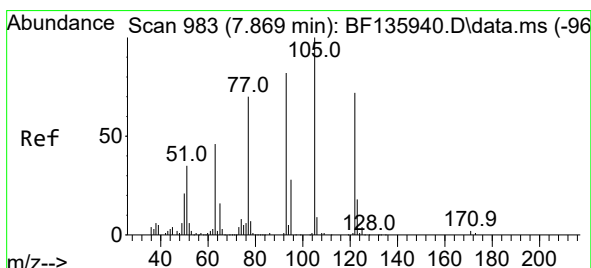
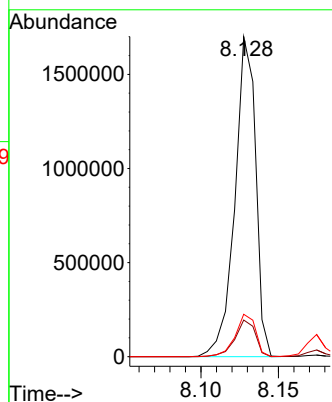
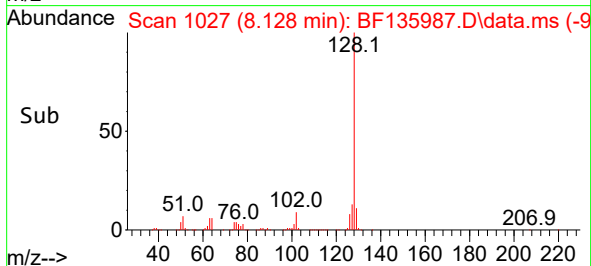
Tgt Ion:128 Resp: 1587779  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.0 13.6  
127 13.2 10.9 16.3

Manual Integrations

APPROVED

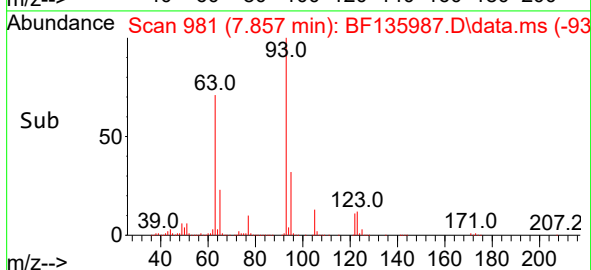
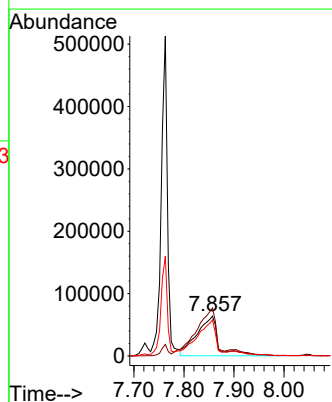
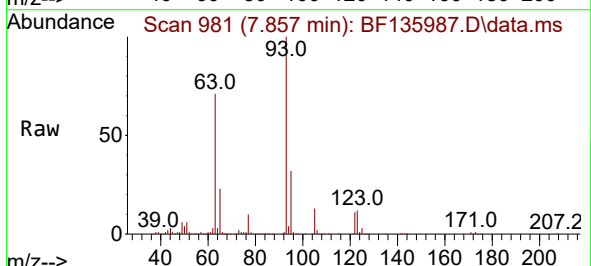
Reviewed By :Yogesh Patel 10/28/2023

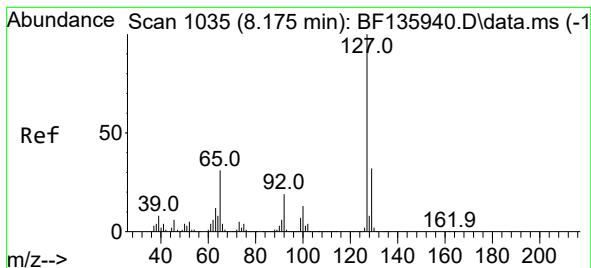
Supervised By :mohammad ahmed 10/28/2023



#32  
Benzoic acid  
Concen: 43.487 ng m  
RT: 7.857 min Scan# 981  
Delta R.T. -0.012 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:122 Resp: 193174  
Ion Ratio Lower Upper  
122 100  
105 120.3 113.1 153.1  
77 90.5 75.2 115.2





#33  
4-Chloroaniline  
Concen: 6.794 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

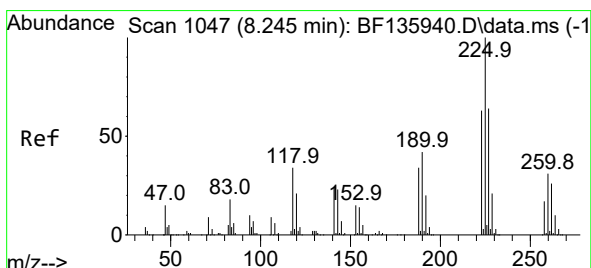
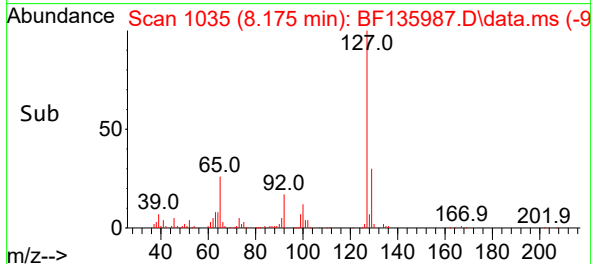
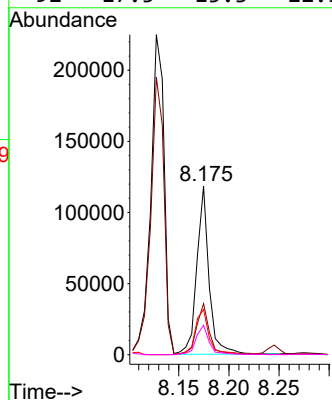
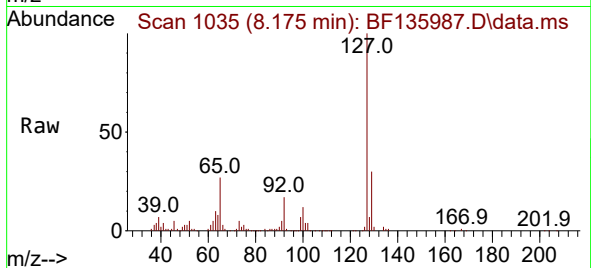
TP-1MS

Tgt Ion:127 Resp: 99789  
Ion Ratio Lower Upper  
127 100  
129 30.3 25.7 38.5  
65 26.8 24.8 37.2  
92 17.5 15.3 22.9

Manual Integrations

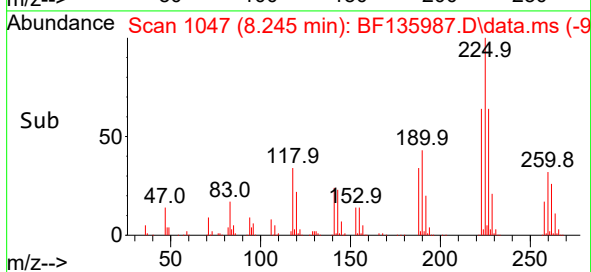
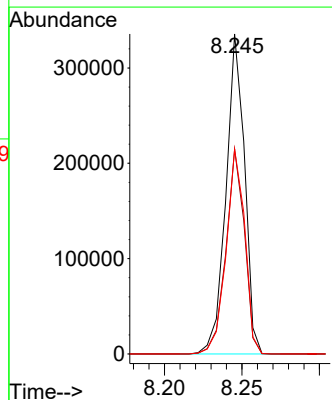
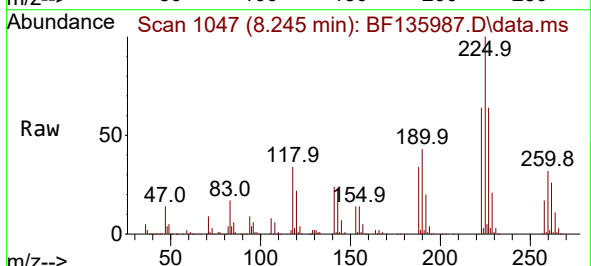
APPROVED

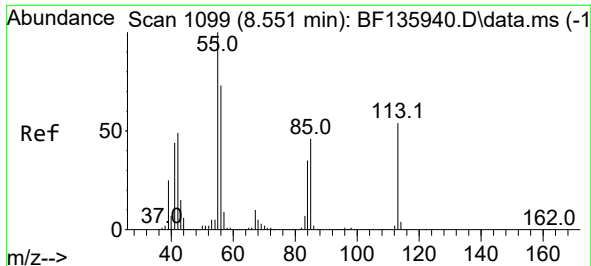
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#34  
Hexachlorobutadiene  
Concen: 49.411 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

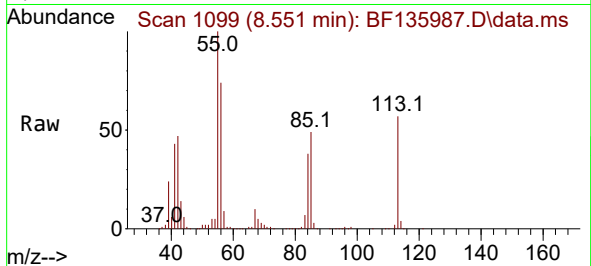
Tgt Ion:225 Resp: 279607  
Ion Ratio Lower Upper  
225 100  
223 64.0 50.6 75.8  
227 64.0 50.9 76.3





#35  
 Caprolactam  
 Concen: 47.530 ng m  
 RT: 8.551 min Scan# 1099  
 Delta R.T. -0.000 min  
 Lab File: BF135987.D  
 Acq: 27 Oct 2023 16:30

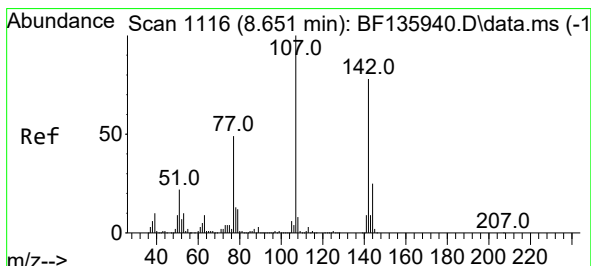
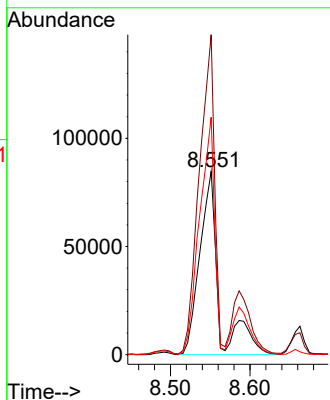
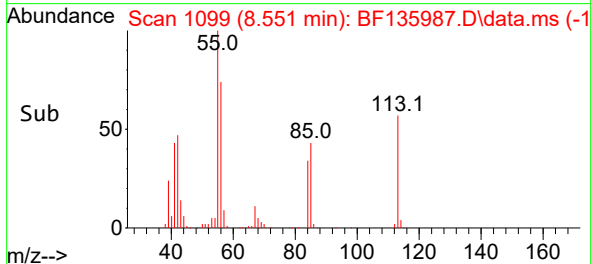
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MS



Tgt Ion:113 Resp: 140250  
 Ion Ratio Lower Upper  
 113 100  
 55 174.6 165.4 205.4  
 56 129.5 115.2 155.2

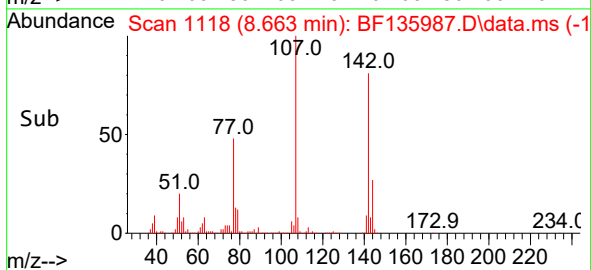
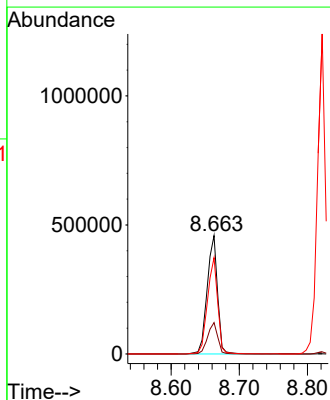
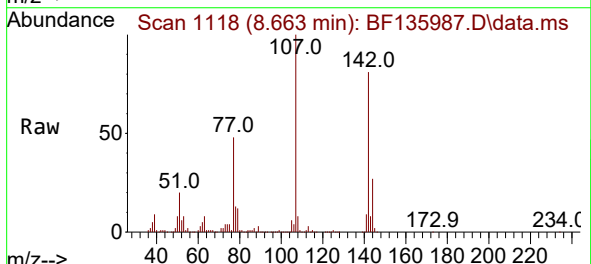
Manual Integrations  
 APPROVED

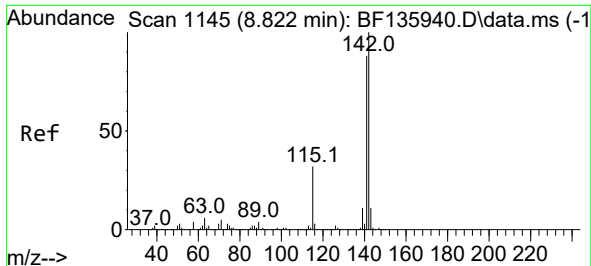
Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 51.565 ng  
 RT: 8.663 min Scan# 1118  
 Delta R.T. 0.012 min  
 Lab File: BF135987.D  
 Acq: 27 Oct 2023 16:30

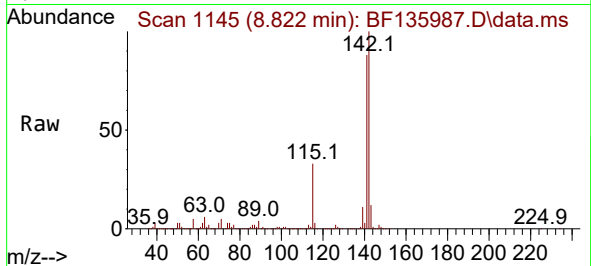
Tgt Ion:107 Resp: 485910  
 Ion Ratio Lower Upper  
 107 100  
 144 26.5 19.9 29.9  
 142 81.3 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 45.554 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

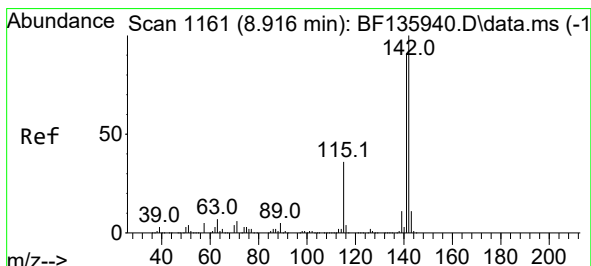
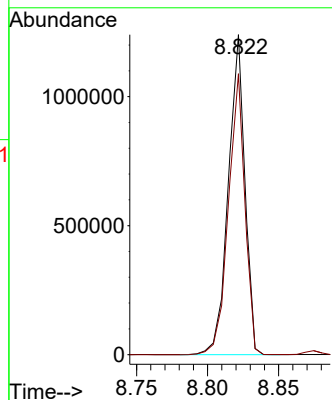
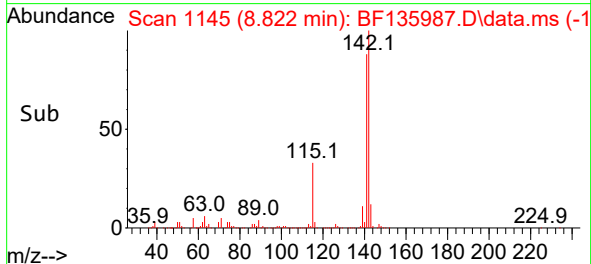
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:142 Resp: 100162  
Ion Ratio Lower Upper  
142 100  
141 87.8 70.4 105.6

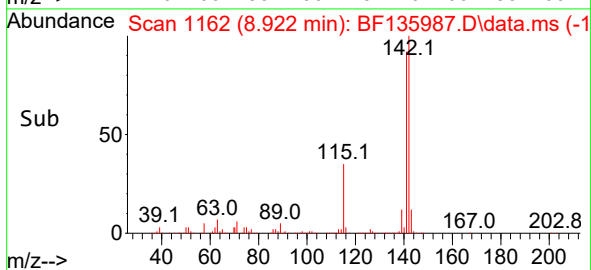
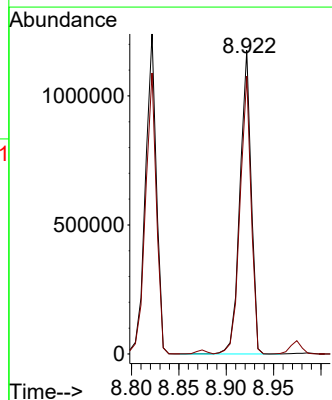
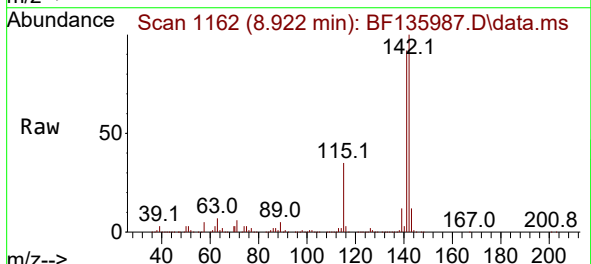
Manual Integrations  
APPROVED

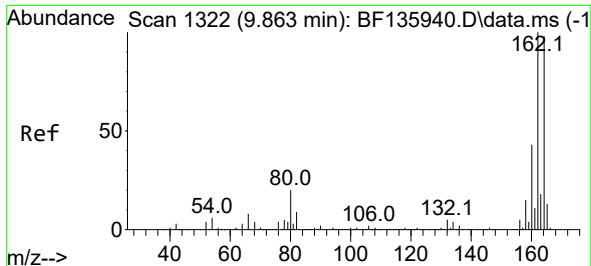
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#38  
1-Methylnaphthalene  
Concen: 47.195 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:142 Resp: 969636  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1173

Delta R.T. 0.006 min

Lab File: BF135987.D

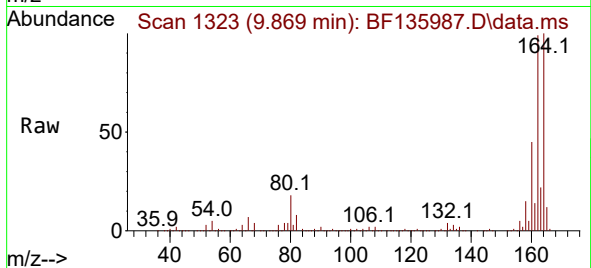
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS



Tgt Ion:164 Resp: 347829

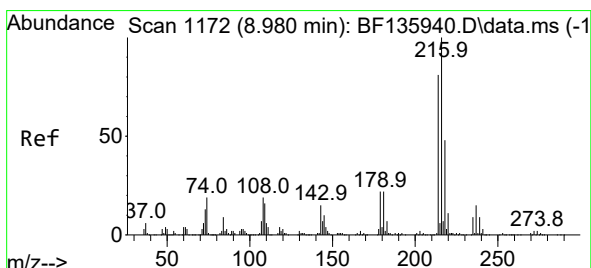
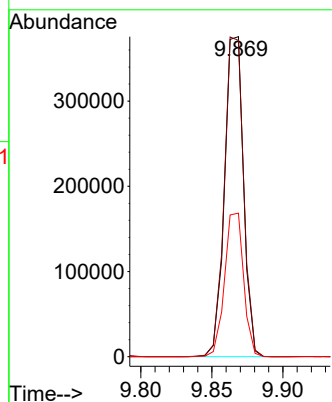
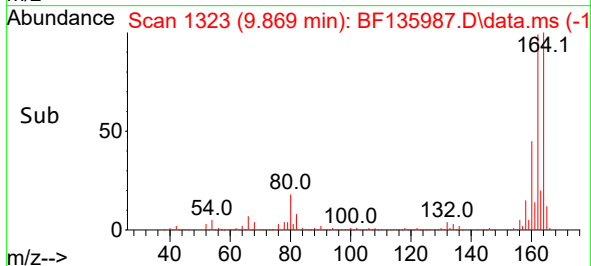
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 98.9  | 82.0  | 123.0 |
| 160 | 44.9  | 35.6  | 53.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.927 ng

RT: 8.986 min Scan# 1173

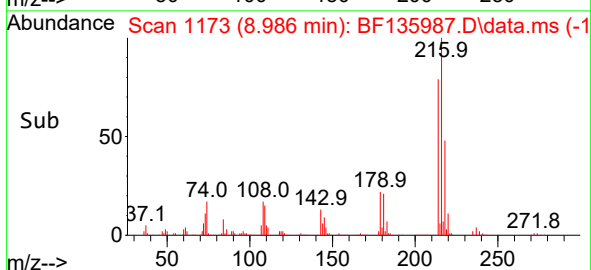
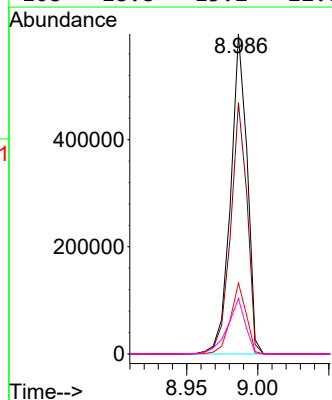
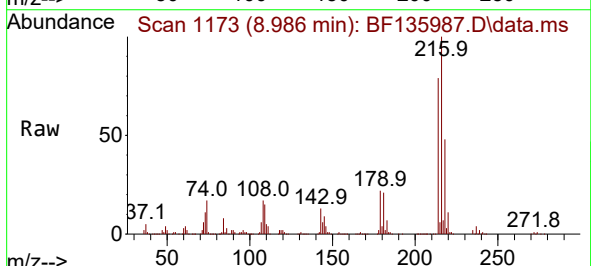
Delta R.T. 0.006 min

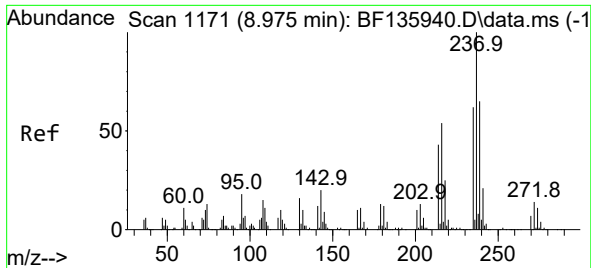
Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Tgt Ion:216 Resp: 480663

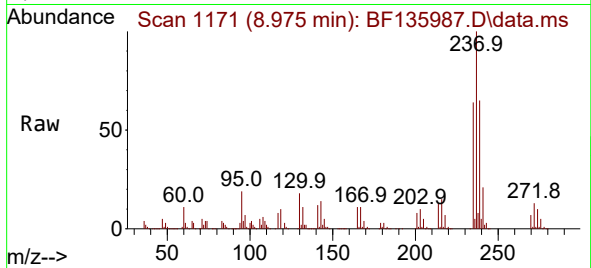
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 78.6  | 63.3  | 94.9  |
| 179 | 21.3  | 17.3  | 25.9  |
| 108 | 18.8  | 15.2  | 22.8  |





#41  
Hexachlorocyclopentadiene  
Concen: 72.194 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

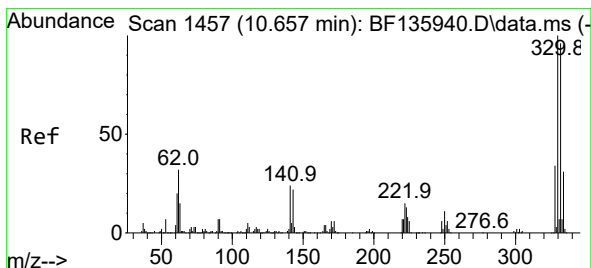
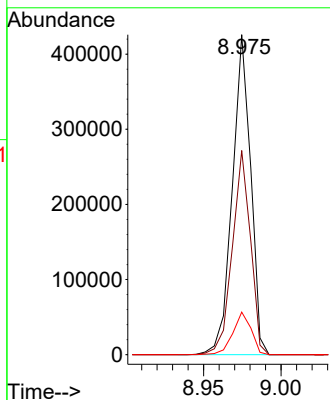
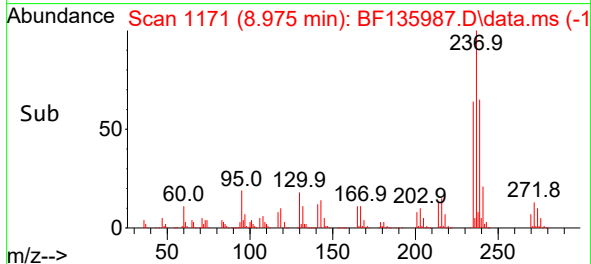
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



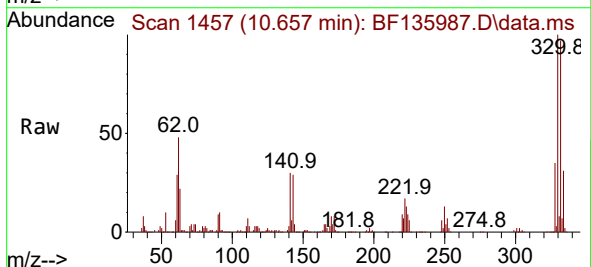
Tgt Ion:237 Resp: 349710  
Ion Ratio Lower Upper  
237 100  
235 63.8 41.7 81.7  
272 13.3 0.0 33.6

Manual Integrations  
APPROVED

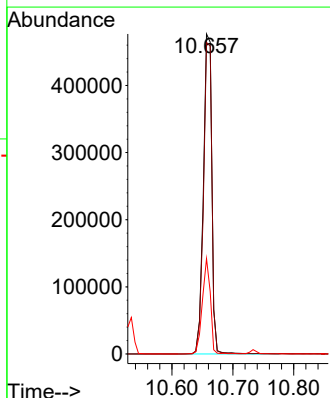
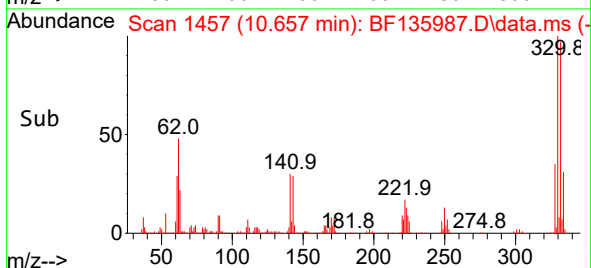
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

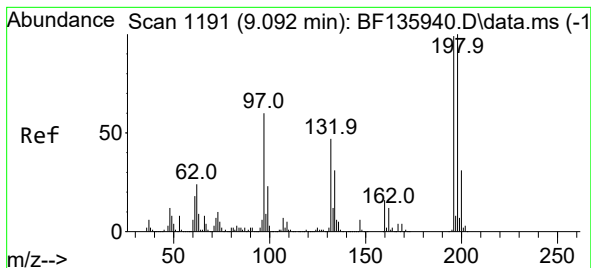


#42  
2,4,6-Tribromophenol  
Concen: 150.430 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:330 Resp: 457989  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.4 116.2  
141 28.3 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 56.021 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:196 Resp: 322114

Ion Ratio Lower Upper

196 100

198 100.2 81.0 121.4

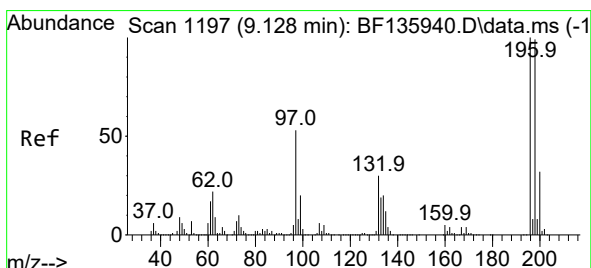
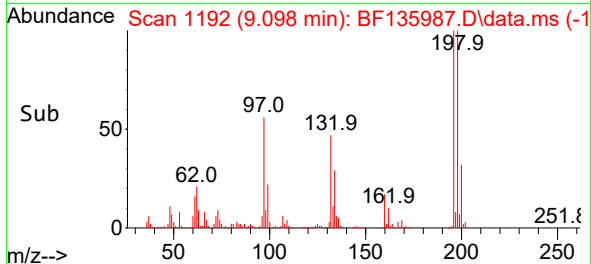
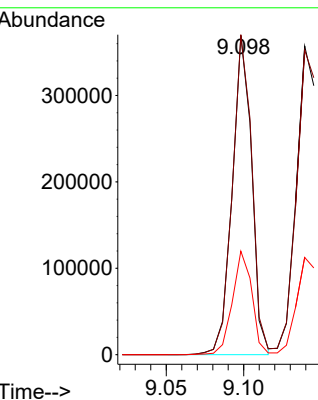
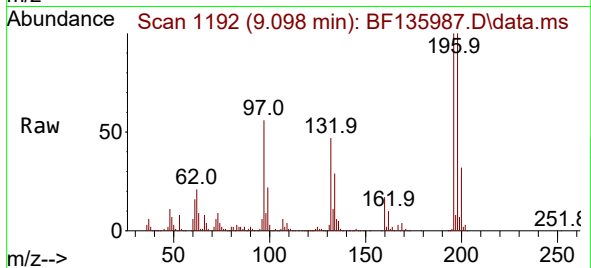
200 32.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#44

2,4,5-Trichlorophenol

Concen: 49.915 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.012 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Tgt Ion:196 Resp: 340771

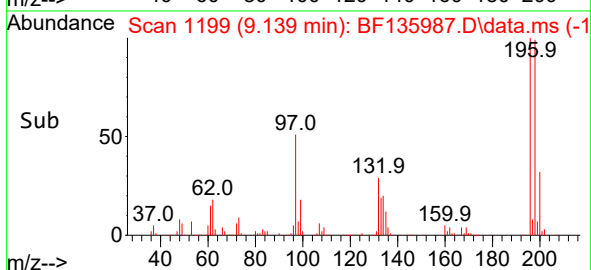
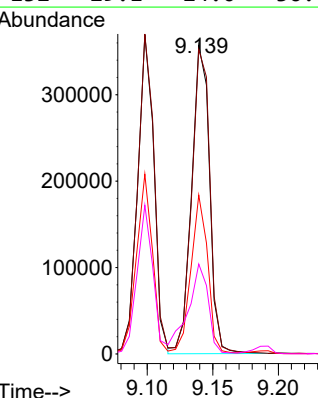
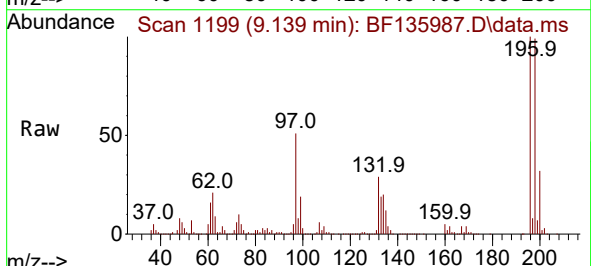
Ion Ratio Lower Upper

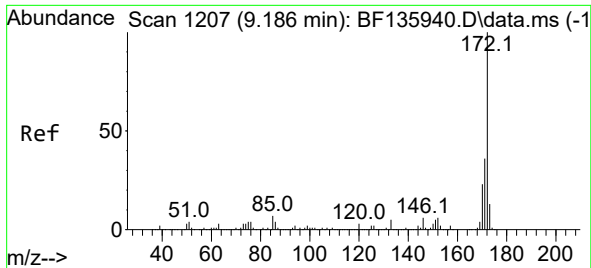
196 100

198 98.7 79.1 118.7

97 51.5 42.3 63.5

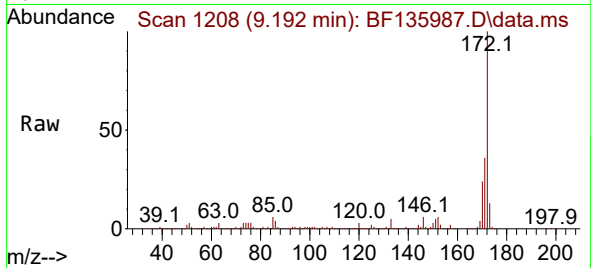
132 29.1 24.0 36.0





#45  
2-Fluorobiphenyl  
Concen: 88.854 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

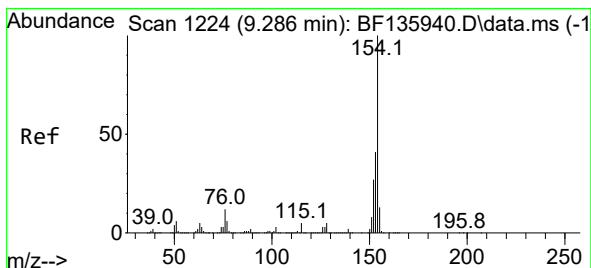
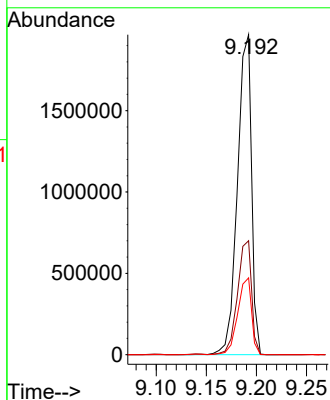
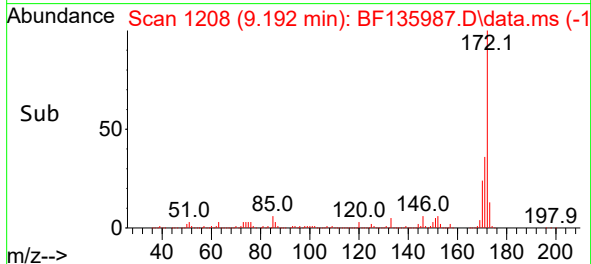
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



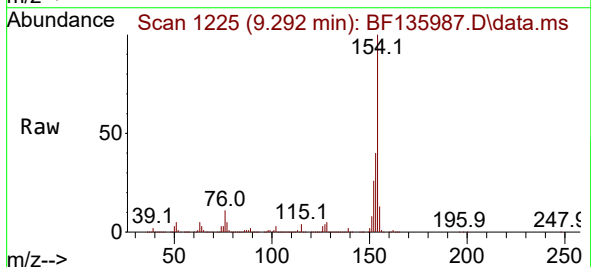
Tgt Ion:172 Resp: 193011  
Ion Ratio Lower Upper  
172 100  
171 35.6 28.6 43.0  
170 24.0 18.6 28.0

Manual Integrations  
APPROVED

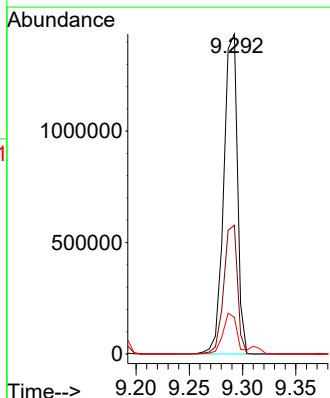
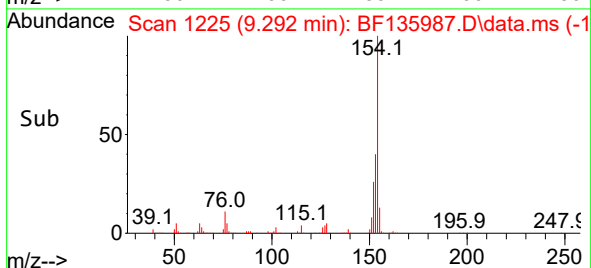
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

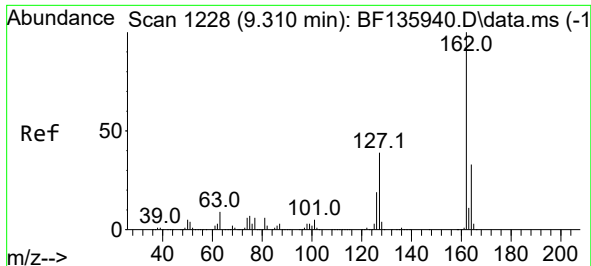


#46  
1,1'-Biphenyl  
Concen: 48.689 ng  
RT: 9.292 min Scan# 1225  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:154 Resp: 1283259  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.7 60.7  
76 11.4 0.0 32.4





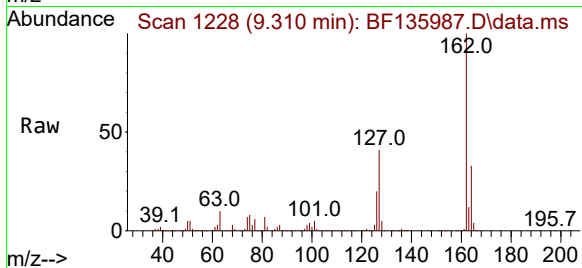
#47  
2-Chloronaphthalene  
Concen: 49.580 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

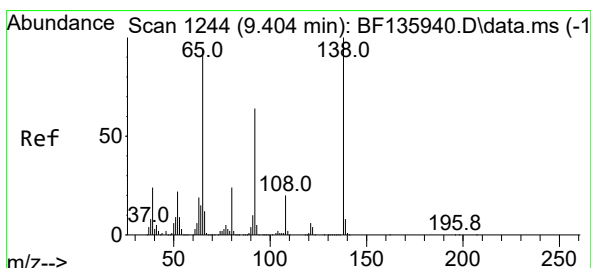
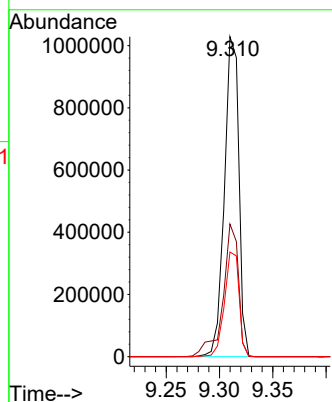
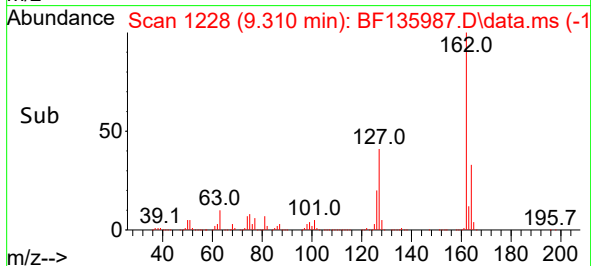


Tgt Ion:162 Resp: 96654  
Ion Ratio Lower Upper  
162 100  
127 41.5 31.0 46.4  
164 32.7 26.6 39.8

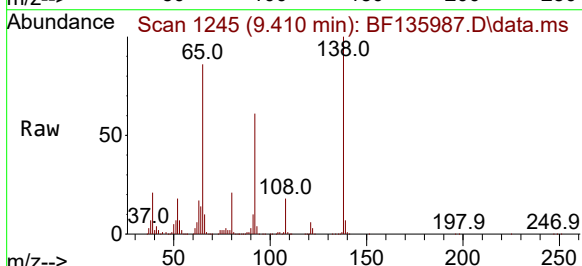
Manual Integrations

APPROVED

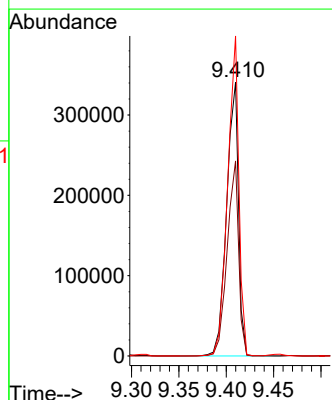
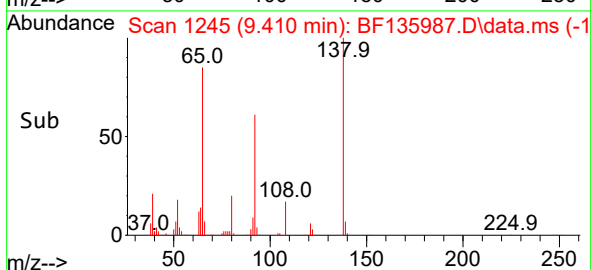
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#48  
2-Nitroaniline  
Concen: 54.338 ng  
RT: 9.410 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



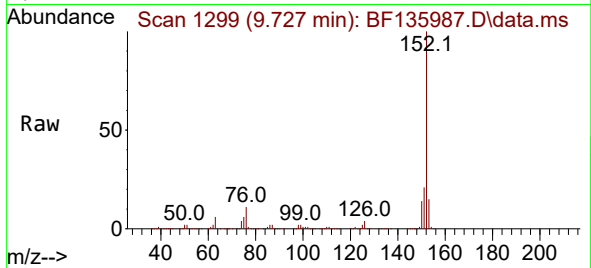
Tgt Ion: 65 Resp: 298284  
Ion Ratio Lower Upper  
65 100  
92 71.3 54.9 82.3  
138 116.9 85.2 127.8





#49  
Acenaphthylene  
Concen: 49.678 ng  
RT: 9.727 min Scan# 1299  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

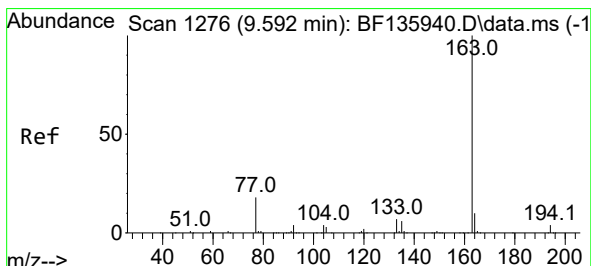
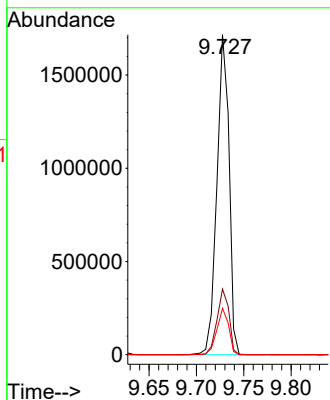
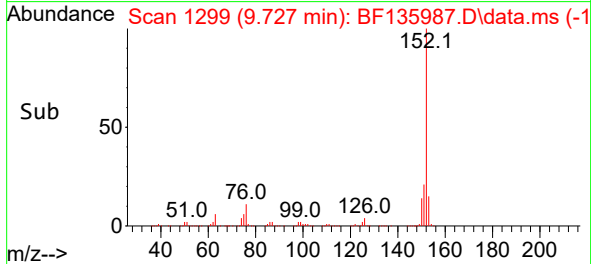
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



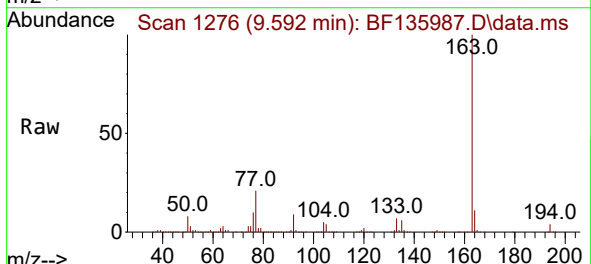
Tgt Ion:152 Resp: 1527830  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.0 24.0  
153 14.5 11.0 16.6

Manual Integrations  
APPROVED

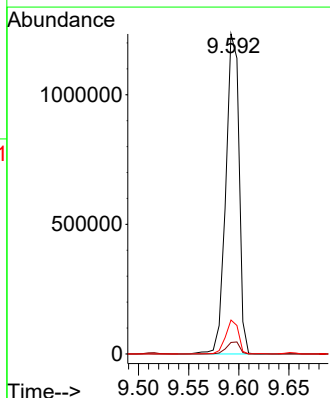
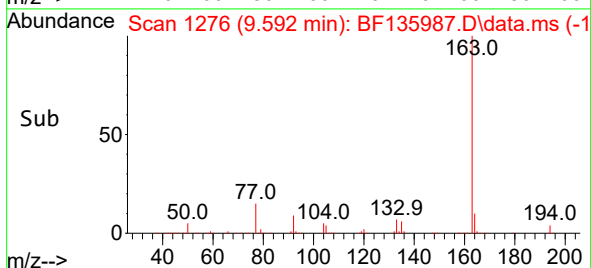
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

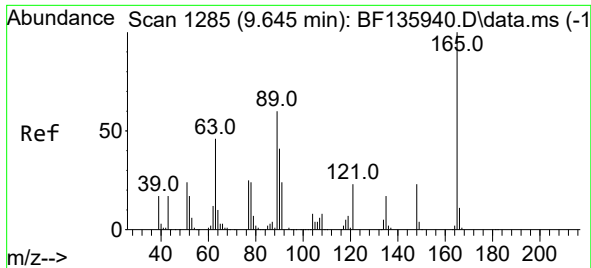


#50  
Dimethylphthalate  
Concen: 50.246 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



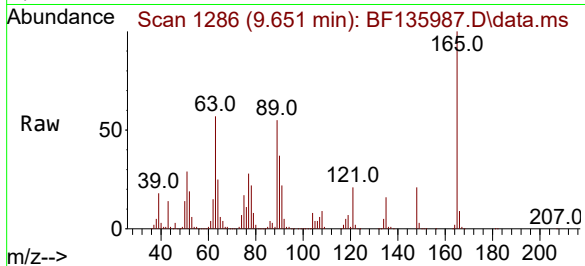
Tgt Ion:163 Resp: 1133383  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.4 5.0  
164 10.6 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 54.244 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

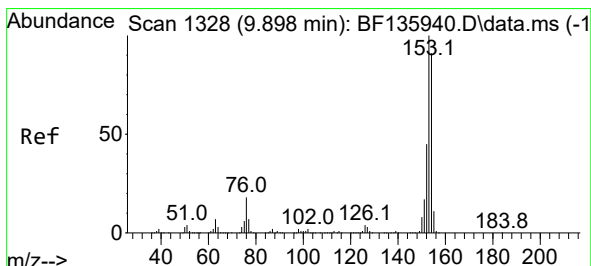
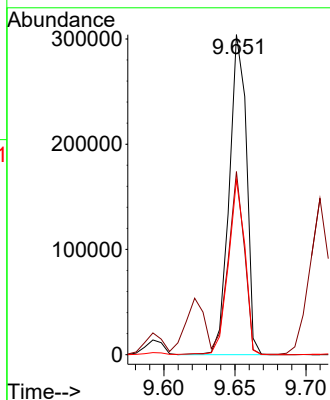
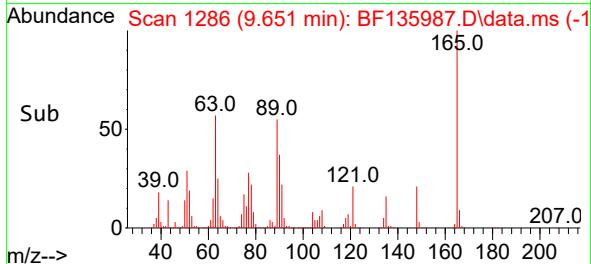
Instrument :  
BNA\_F  
ClientSampleId :  
TP-IMS



Tgt Ion:165 Resp: 256958  
Ion Ratio Lower Upper  
165 100  
63 57.2 51.7 77.5  
89 54.7 48.3 72.5

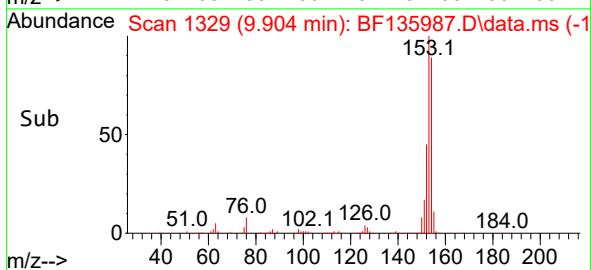
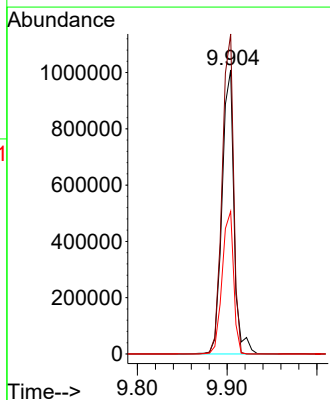
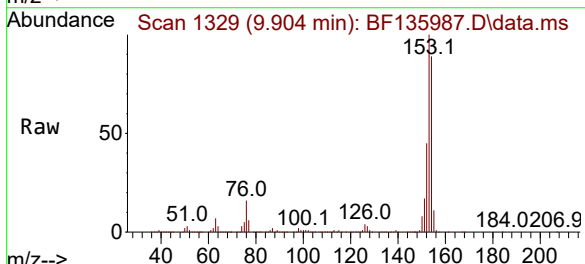
Manual Integrations  
APPROVED

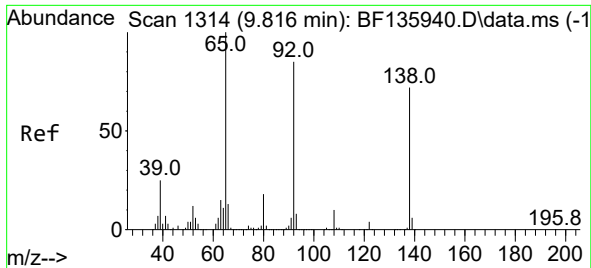
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#52  
Acenaphthene  
Concen: 47.453 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

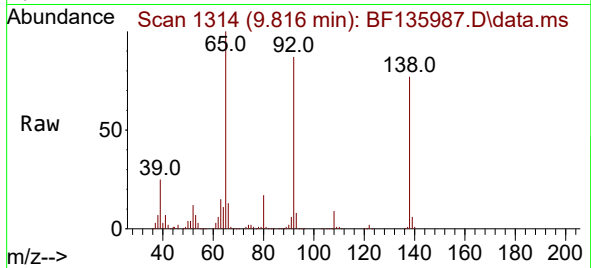
Tgt Ion:154 Resp: 935289  
Ion Ratio Lower Upper  
154 100  
153 112.7 88.0 132.0  
152 50.2 39.4 59.2





#53  
3-Nitroaniline  
Concen: 30.624 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

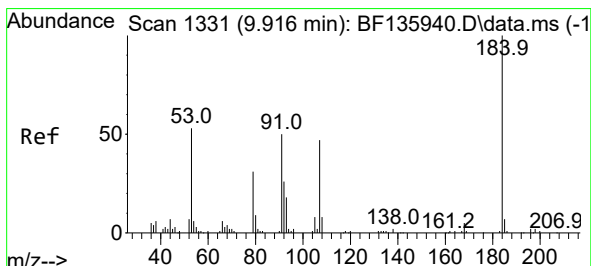
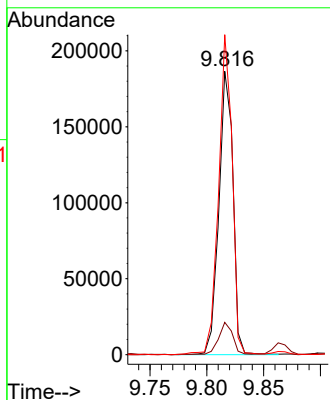
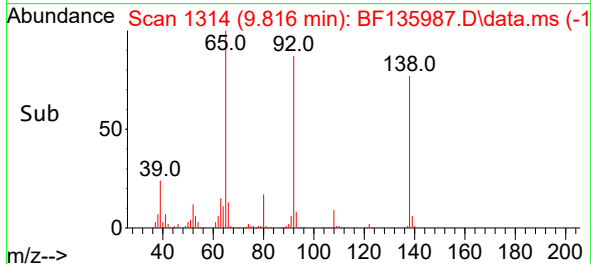
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



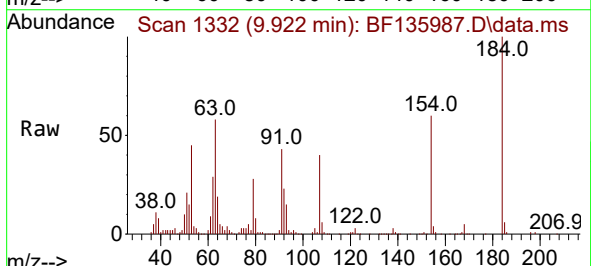
Tgt Ion:138 Resp: 161149  
Ion Ratio Lower Upper  
138 100  
108 11.4 11.3 16.9  
92 112.9 95.0 142.6

Manual Integrations  
APPROVED

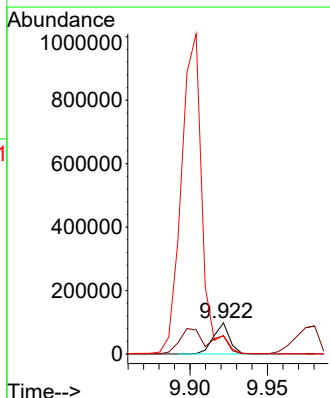
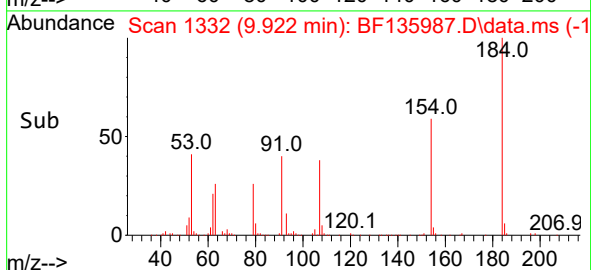
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

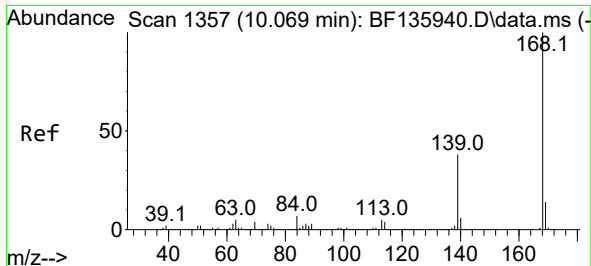


#54  
2,4-Dinitrophenol  
Concen: 55.173 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



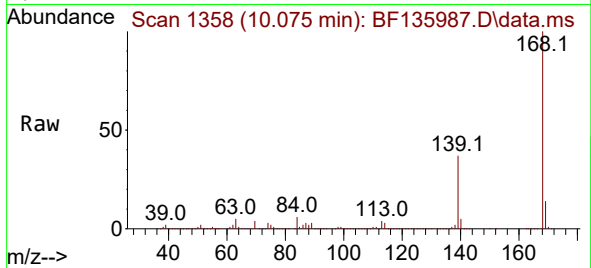
Tgt Ion:184 Resp: 70875  
Ion Ratio Lower Upper  
184 100  
63 57.9 56.3 84.5  
154 59.7 48.1 72.1





#55  
Dibenzenofuran  
Concen: 46.994 ng  
RT: 10.075 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

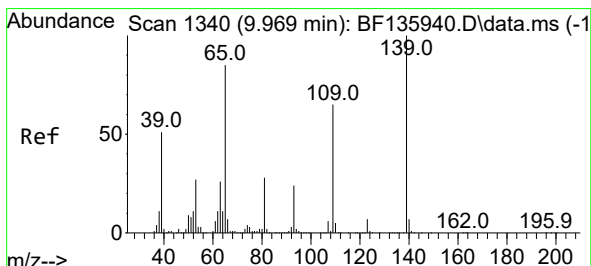
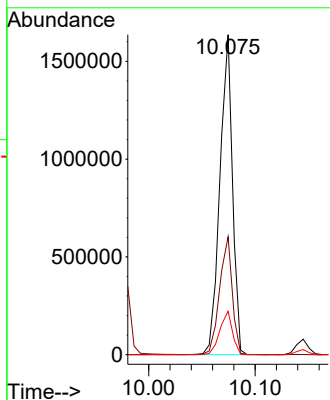
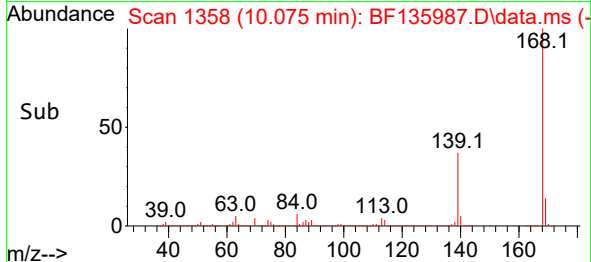
Instrument :  
BNA\_F  
ClientSampleId :  
TP-IMS



Tgt Ion:168 Resp: 133810  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.7 46.1  
169 13.5 11.1 16.7

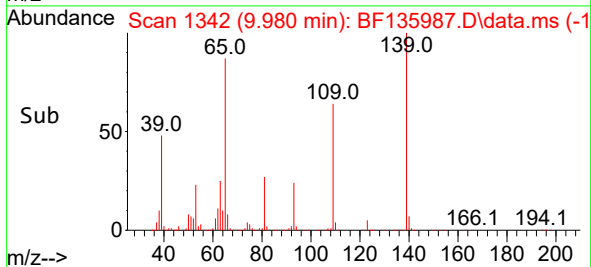
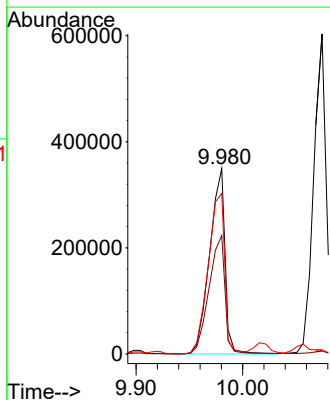
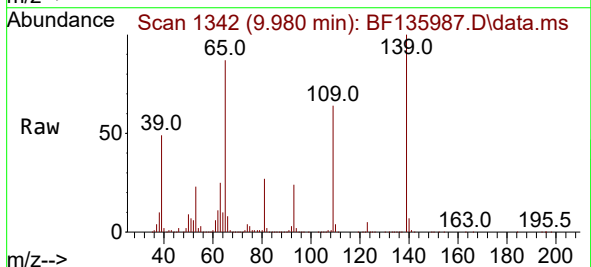
Manual Integrations  
APPROVED

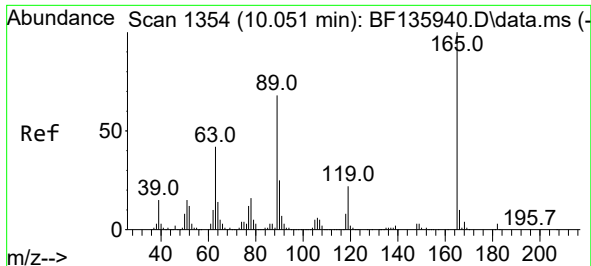
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#56  
4-Nitrophenol  
Concen: 77.179 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.011 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

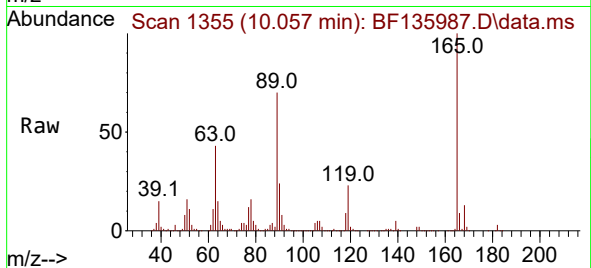
Tgt Ion:139 Resp: 350118  
Ion Ratio Lower Upper  
139 100  
109 63.9 45.2 85.2  
65 86.7 65.1 105.1





#57  
2,4-Dinitrotoluene  
Concen: 54.991 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

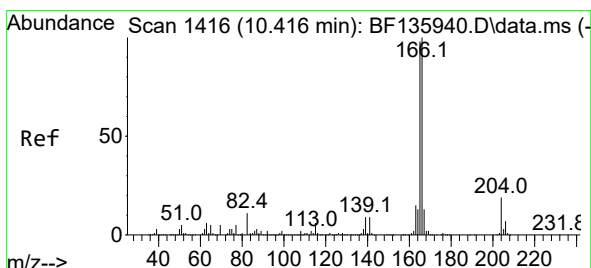
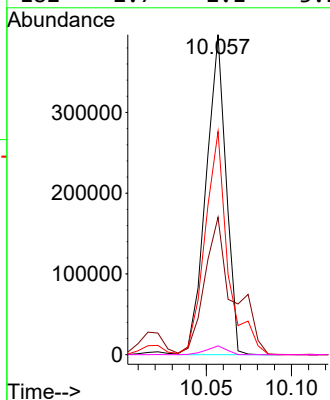
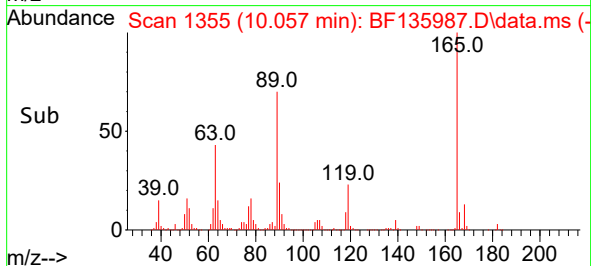
Instrument :  
BNA\_F  
ClientSampleId :  
TP-IMS



Tgt Ion:165 Resp: 323907  
Ion Ratio Lower Upper  
165 100  
63 42.9 33.7 50.5  
89 69.7 54.6 81.8  
182 2.7 2.1 3.1

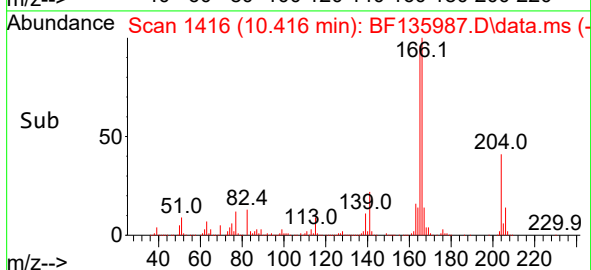
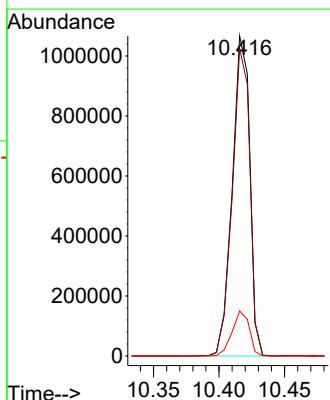
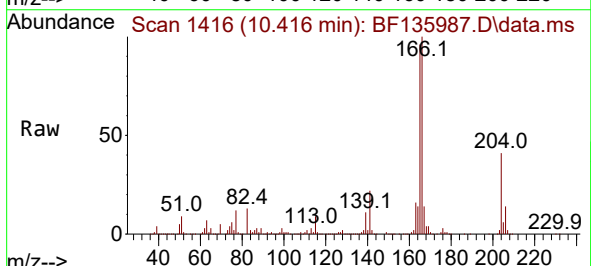
Manual Integrations  
APPROVED

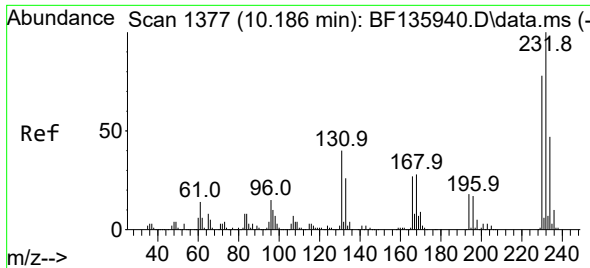
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#58  
Fluorene  
Concen: 46.634 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

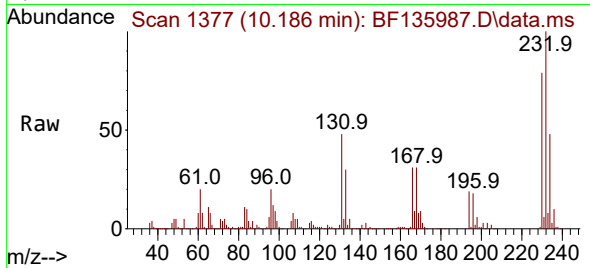
Tgt Ion:166 Resp: 993423  
Ion Ratio Lower Upper  
166 100  
165 96.1 78.0 117.0  
167 14.0 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.859 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

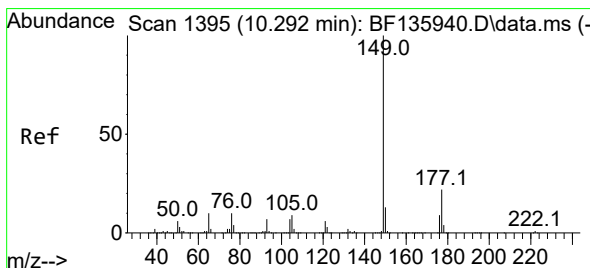
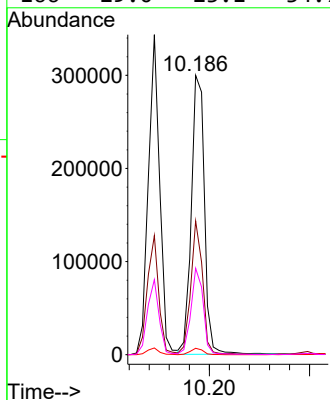
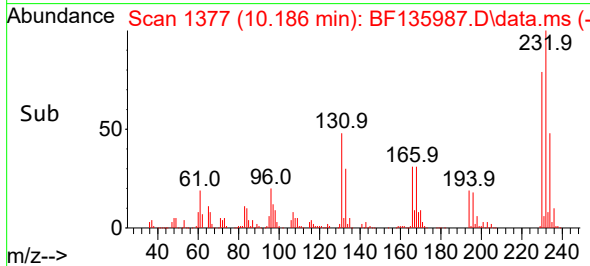
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:232 Resp: 271549  
Ion Ratio Lower Upper  
232 100  
131 43.6 35.2 52.8  
130 2.2 1.7 2.5  
166 29.0 23.1 34.7

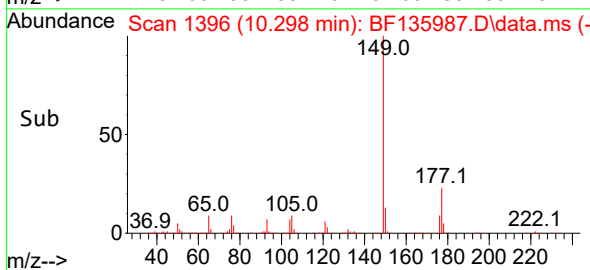
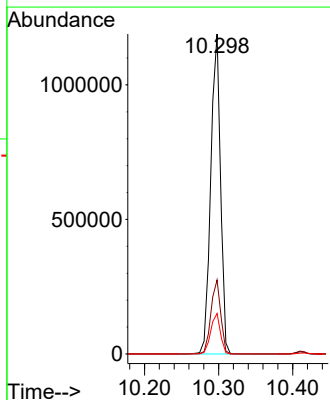
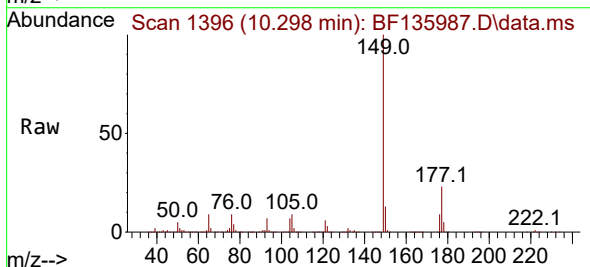
Manual Integrations  
APPROVED

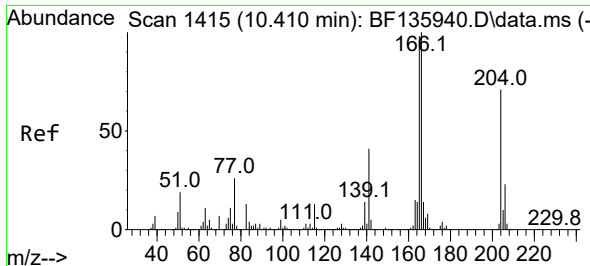
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#60  
Diethylphthalate  
Concen: 50.441 ng  
RT: 10.298 min Scan# 1396  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

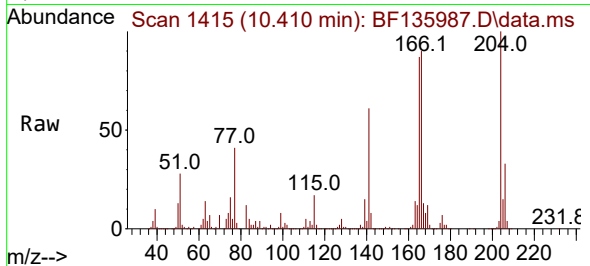
Tgt Ion:149 Resp: 1084963  
Ion Ratio Lower Upper  
149 100  
177 23.2 17.9 26.9  
150 12.7 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 47.060 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

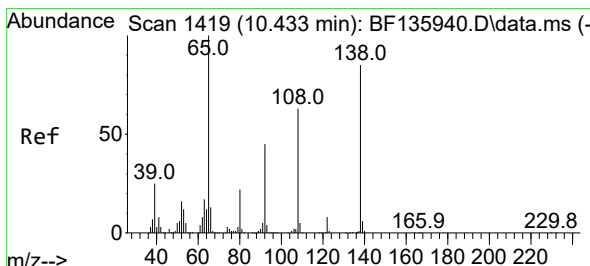
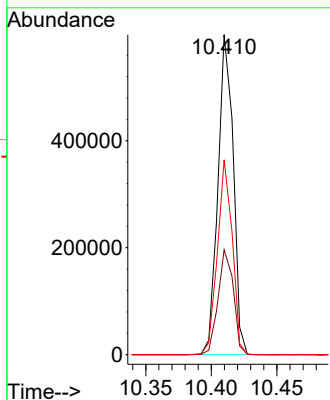
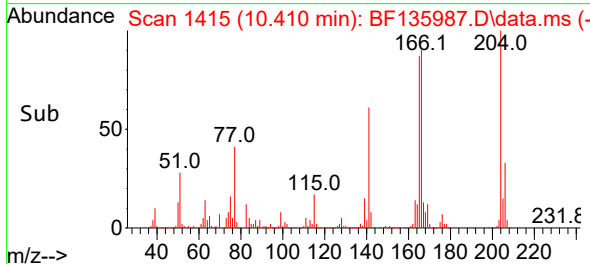
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



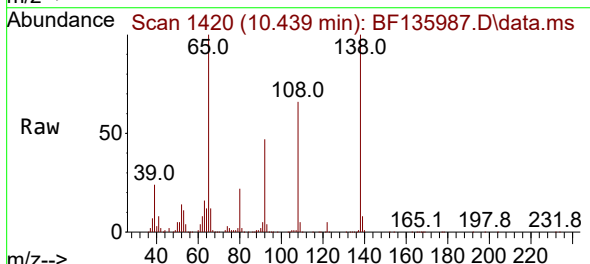
Tgt Ion:204 Resp: 48358  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.4 39.6  
141 60.9 46.2 69.2

Manual Integrations  
APPROVED

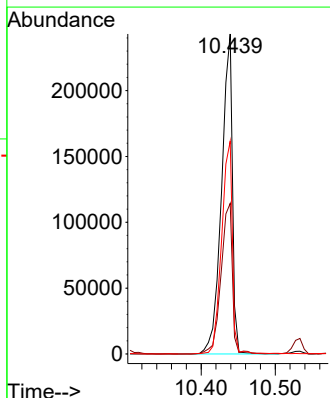
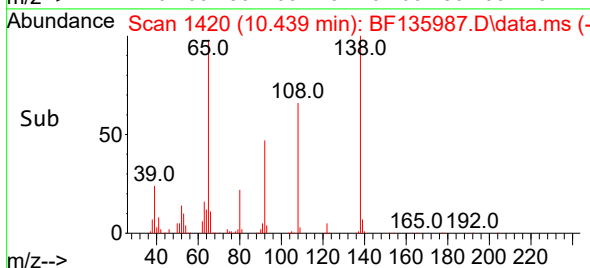
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

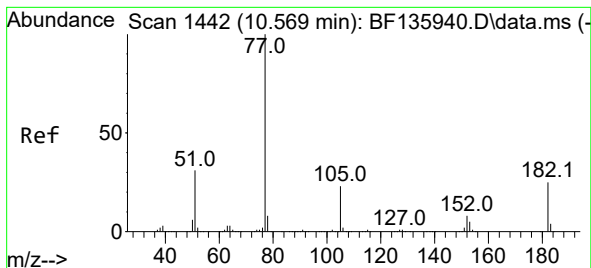


#62  
4-Nitroaniline  
Concen: 45.073 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:138 Resp: 247988  
Ion Ratio Lower Upper  
138 100  
92 47.1 32.9 72.9  
108 66.5 53.5 93.5





#63

Azobenzene

Concen: 46.746 ng

RT: 10.574 min Scan# 1443

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion: 77 Resp: 102040

Ion Ratio Lower Upper

77 100

182 29.3 5.1 45.1

105 24.2 2.8 42.8

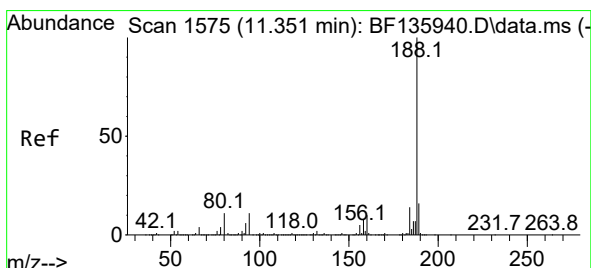
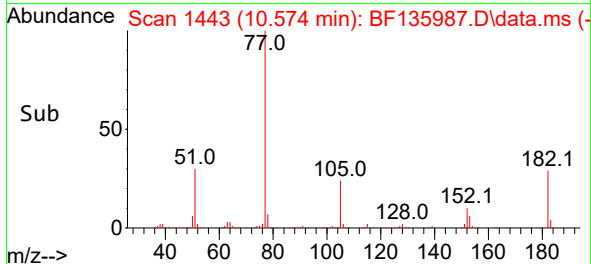
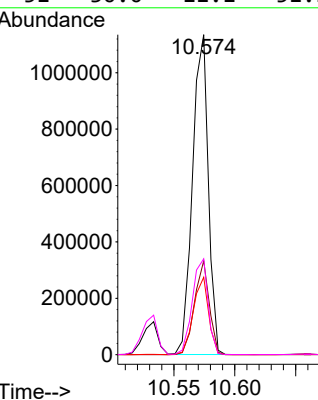
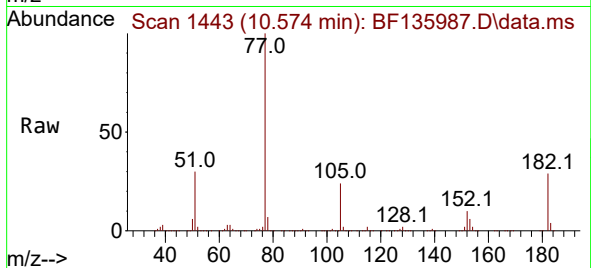
51 30.0 11.1 51.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

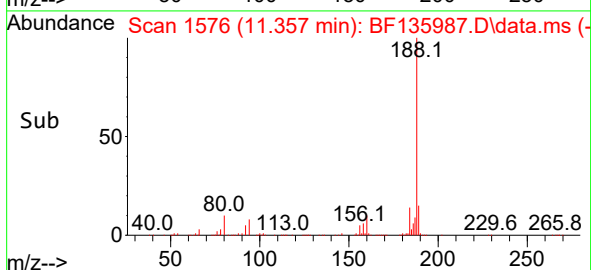
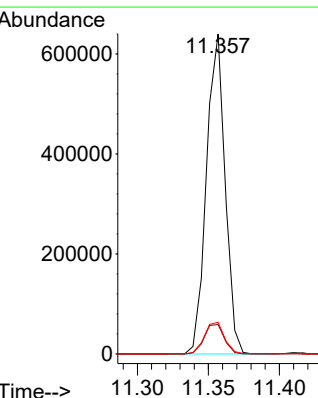
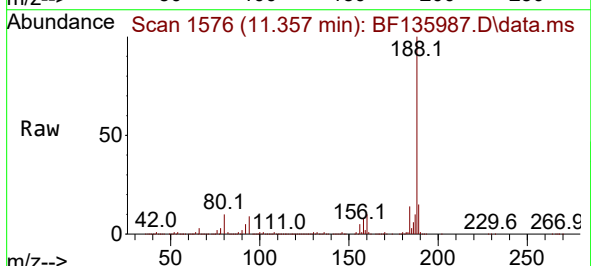
Tgt Ion:188 Resp: 583142

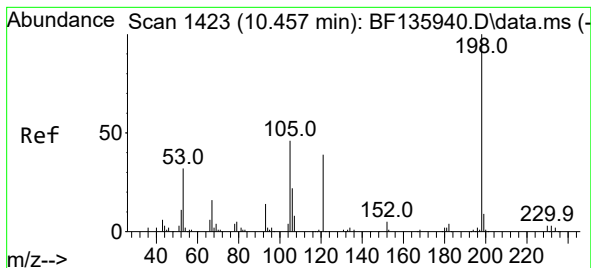
Ion Ratio Lower Upper

188 100

94 9.2 8.6 13.0

80 9.9 9.0 13.6





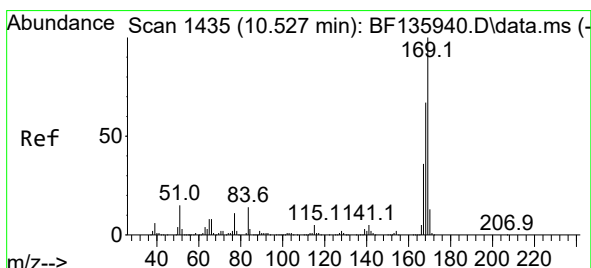
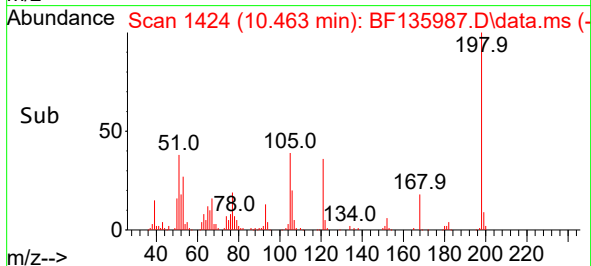
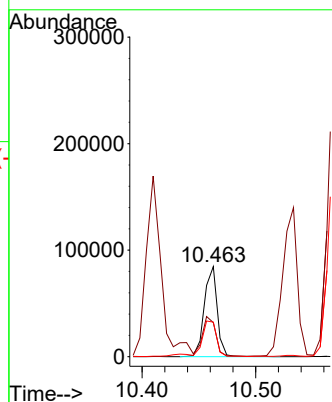
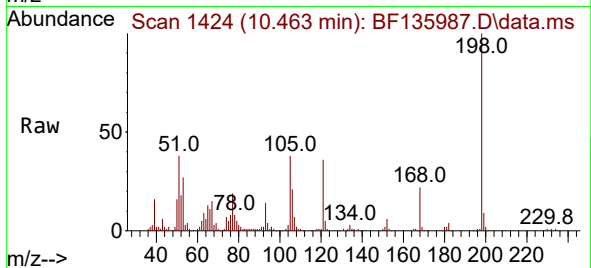
#65  
4,6-Dinitro-2-methylphenol  
Concen: 39.467 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:198 Resp: 66614  
Ion Ratio Lower Upper  
198 100  
51 37.8 28.7 68.7  
105 38.5 27.2 67.2

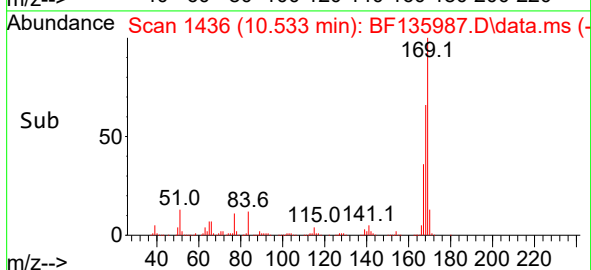
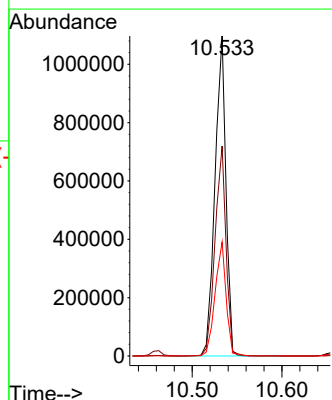
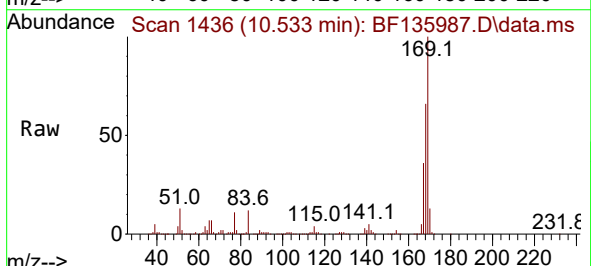
Manual Integrations  
APPROVED

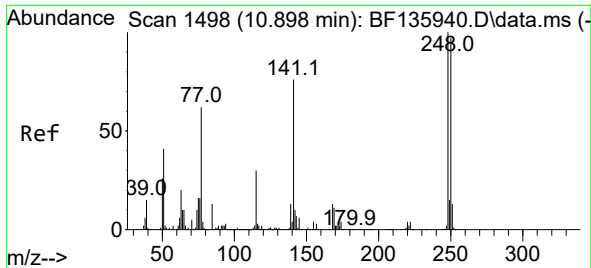
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#66  
n-Nitrosodiphenylamine  
Concen: 52.706 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

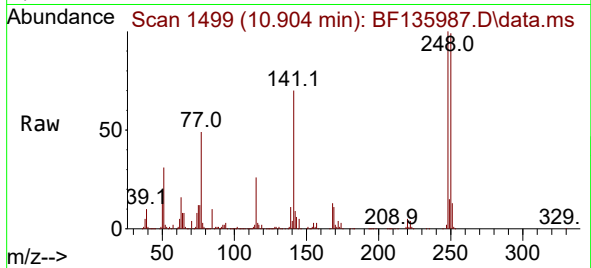
Tgt Ion:169 Resp: 928509  
Ion Ratio Lower Upper  
169 100  
168 65.6 53.5 80.3  
167 35.7 29.0 43.4





#67  
4-Bromophenyl-phenylether  
Concen: 52.988 ng  
RT: 10.904 min Scan# 1498  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

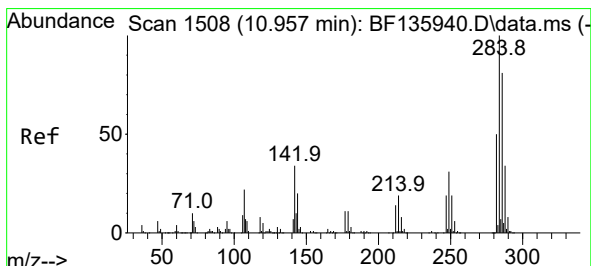
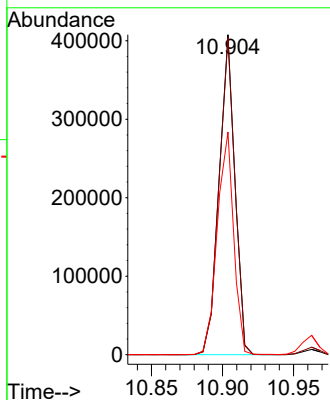
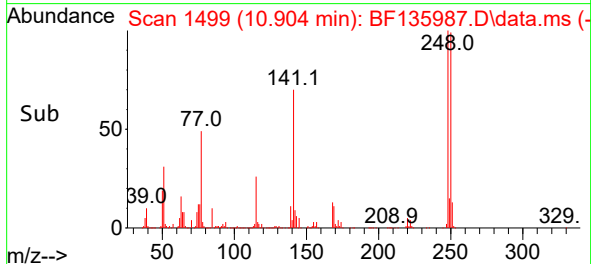
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



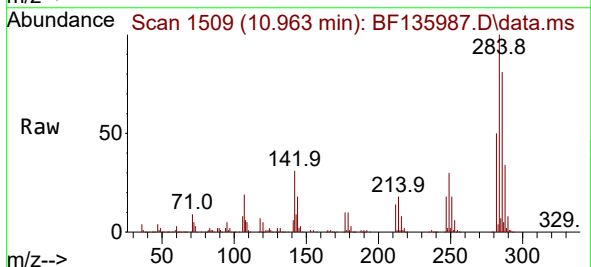
Tgt Ion:248 Resp: 316440  
Ion Ratio Lower Upper  
248 100  
250 99.1 77.9 116.9  
141 69.5 60.8 91.2

Manual Integrations  
APPROVED

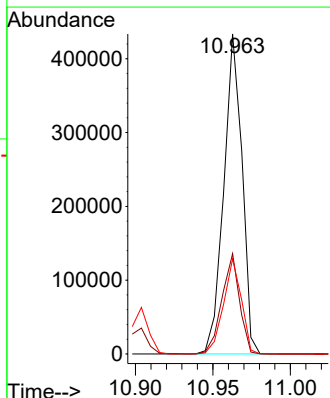
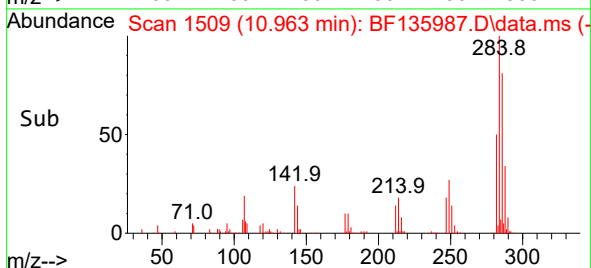
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

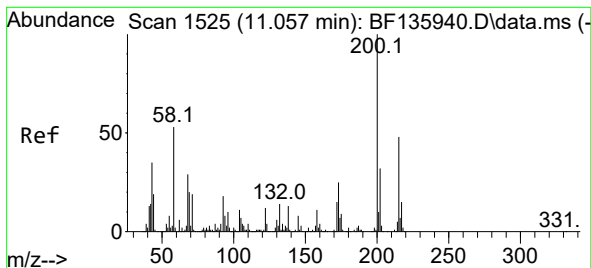


#68  
Hexachlorobenzene  
Concen: 55.553 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:284 Resp: 354401  
Ion Ratio Lower Upper  
284 100  
142 31.4 27.6 41.4  
249 29.8 24.7 37.1





#69

Atrazine

Concen: 65.502 ng

RT: 11.063 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:200 Resp: 314569

Ion Ratio Lower Upper

200 100

173 26.4 5.5 45.5

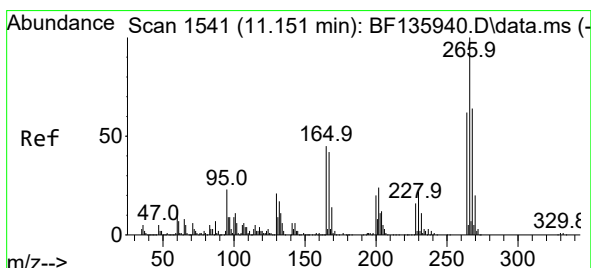
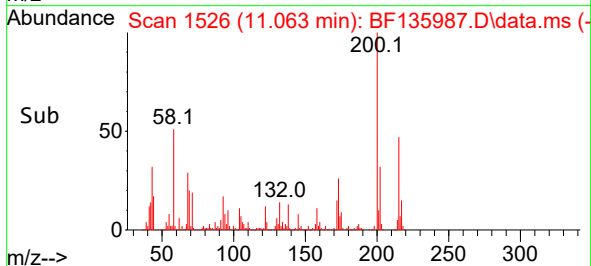
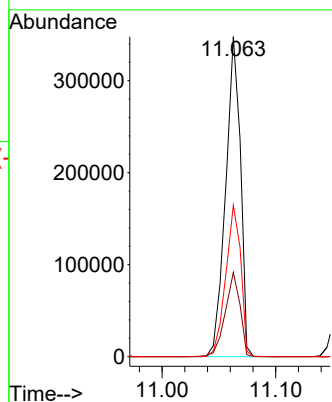
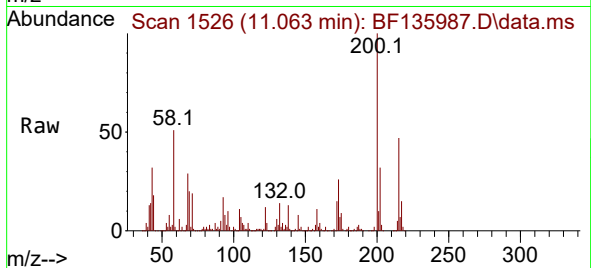
215 47.3 27.5 67.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#70

Pentachlorophenol

Concen: 71.107 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

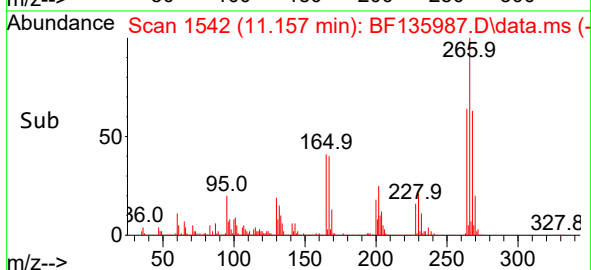
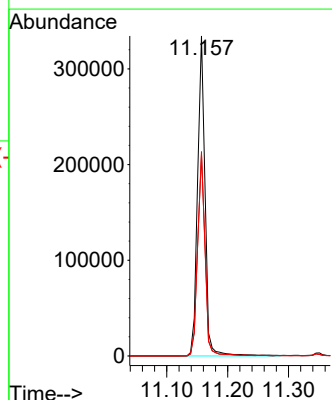
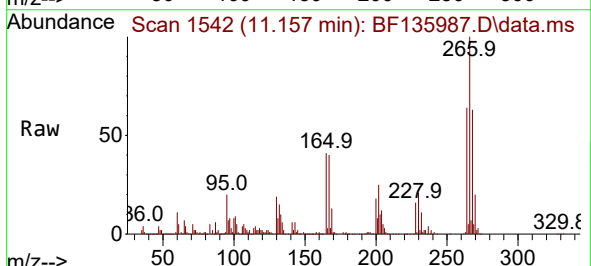
Tgt Ion:266 Resp: 285609

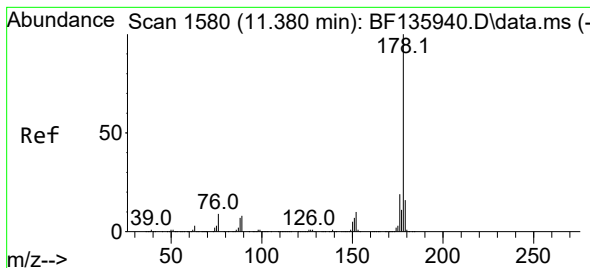
Ion Ratio Lower Upper

266 100

268 63.0 50.8 76.2

264 63.9 49.8 74.6





#71

Phenanthrene

Concen: 48.833 ng

RT: 11.380 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:178 Resp: 1440699

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

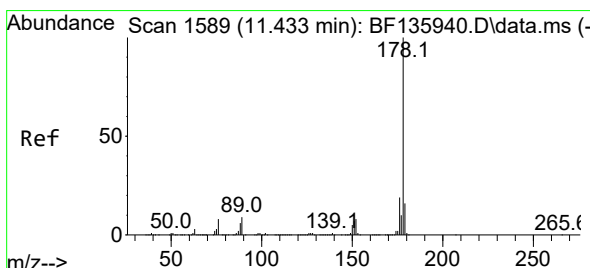
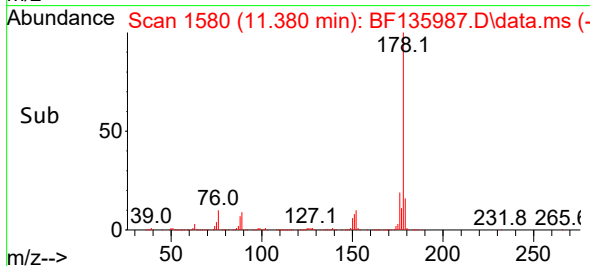
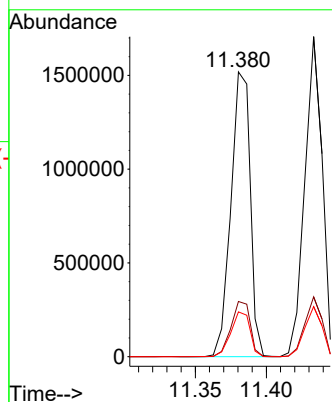
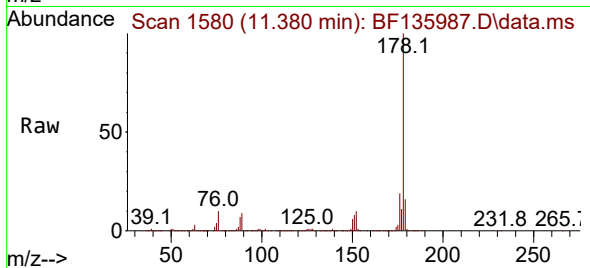
179 15.7 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#72

Anthracene

Concen: 48.066 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

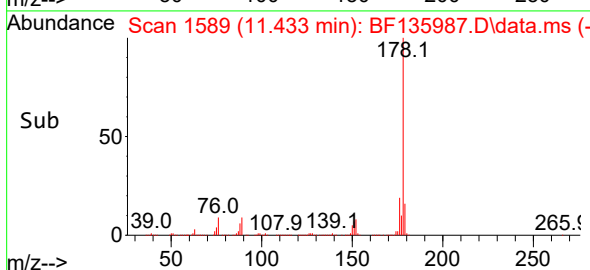
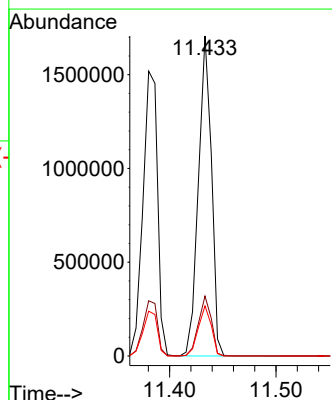
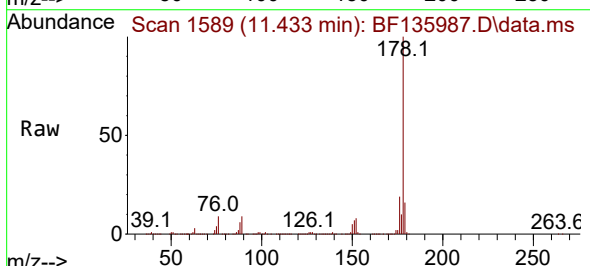
Tgt Ion:178 Resp: 1452001

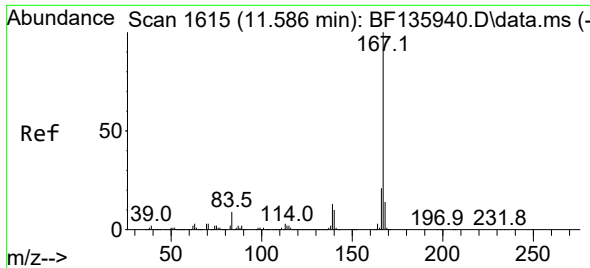
Ion Ratio Lower Upper

178 100

176 18.7 14.9 22.3

179 15.7 12.5 18.7





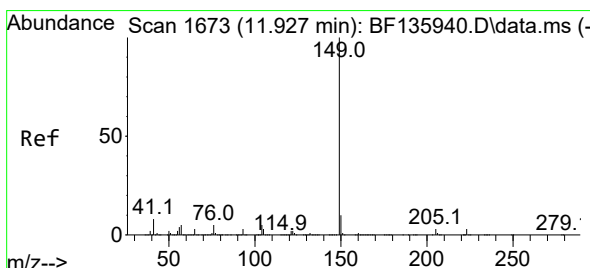
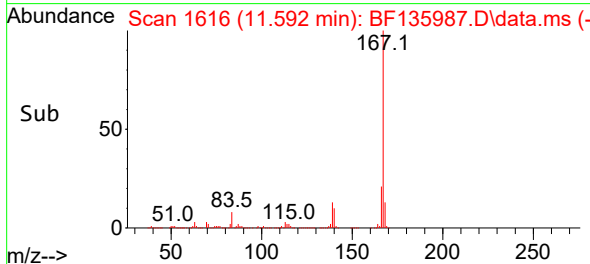
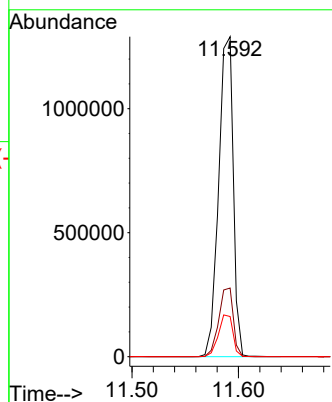
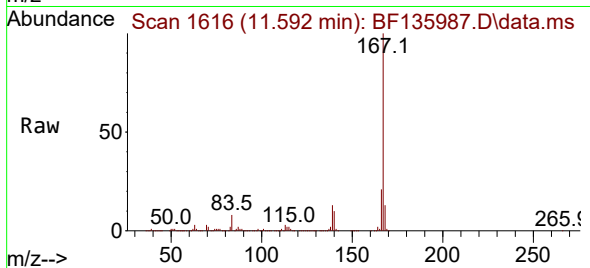
#73  
Carbazole  
Concen: 45.444 ng  
RT: 11.592 min Scan# 1615  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:167 Resp: 1224590  
Ion Ratio Lower Upper  
167 100  
166 21.5 17.0 25.6  
139 12.6 10.4 15.6

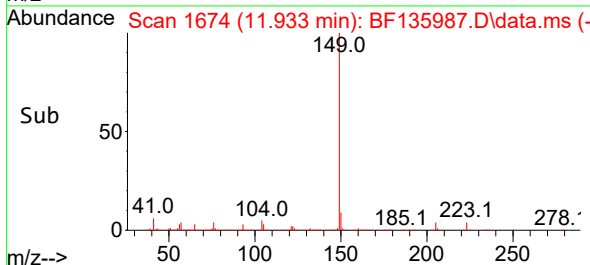
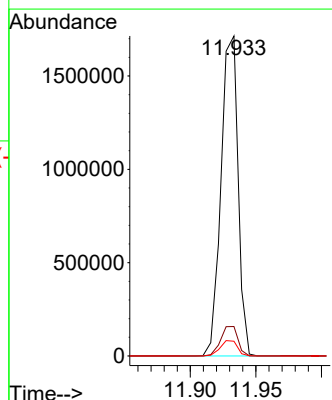
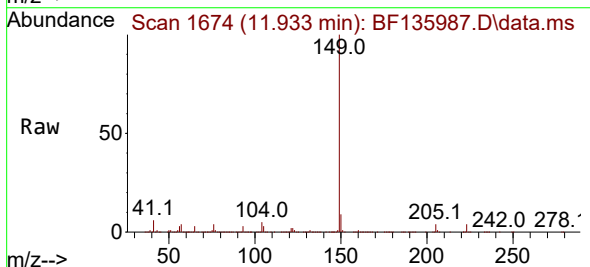
Manual Integrations  
APPROVED

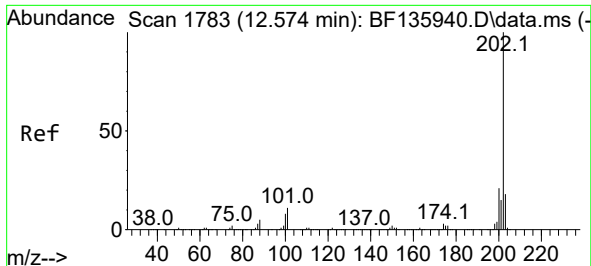
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#74  
Di-n-butylphthalate  
Concen: 54.047 ng  
RT: 11.933 min Scan# 1674  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

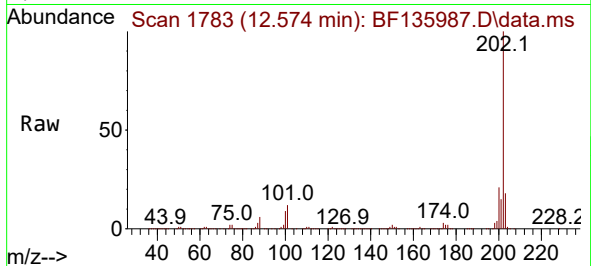
Tgt Ion:149 Resp: 1549809  
Ion Ratio Lower Upper  
149 100  
150 9.2 7.7 11.5  
104 4.6 3.9 5.9





#75  
Fluoranthene  
Concen: 39.264 ng  
RT: 12.574 min Scan# 1783  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

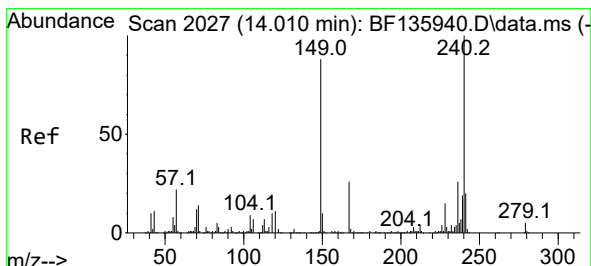
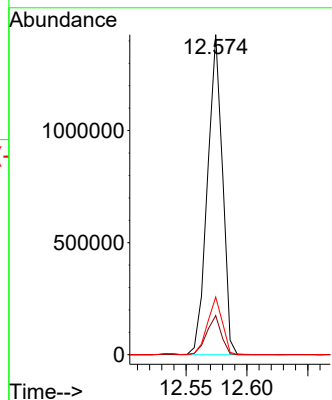
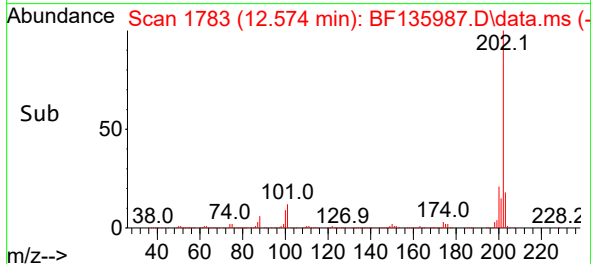
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:202 Resp: 121868  
Ion Ratio Lower Upper  
202 100  
101 12.2 0.0 30.6  
203 18.0 0.0 37.5

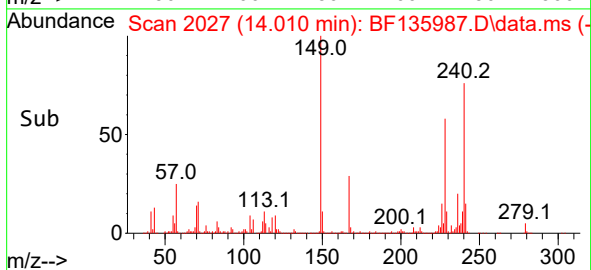
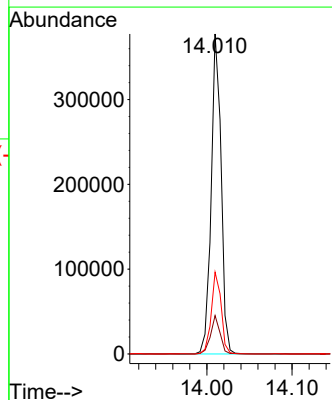
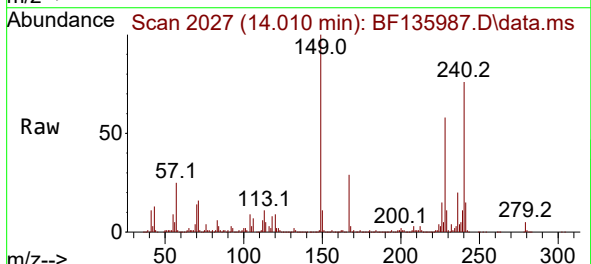
Manual Integrations  
APPROVED

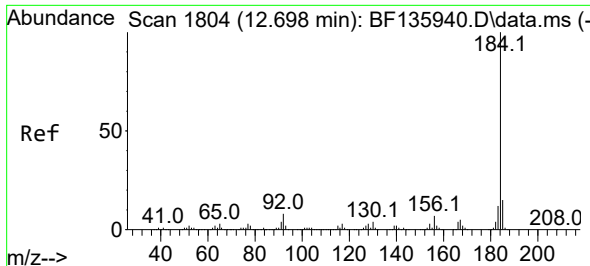
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

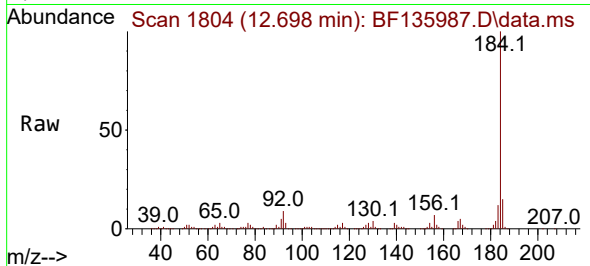
Tgt Ion:240 Resp: 305130  
Ion Ratio Lower Upper  
240 100  
120 12.0 8.6 13.0  
236 25.6 20.6 30.8





#77  
Benzidine  
Concen: 102.337 ng  
RT: 12.698 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

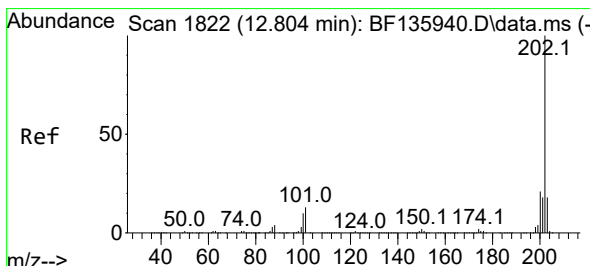
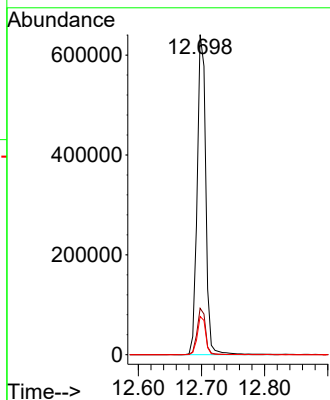
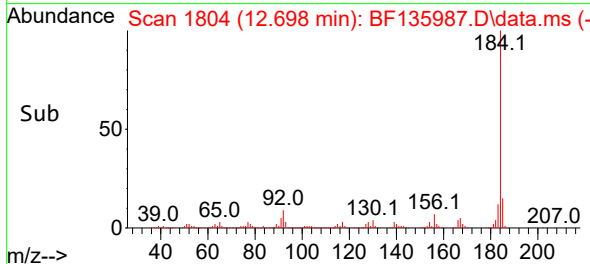
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:184 Resp: 602110  
Ion Ratio Lower Upper  
184 100  
185 14.5 11.7 17.5  
183 11.9 9.2 13.8

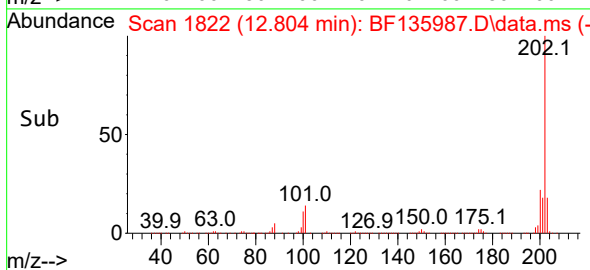
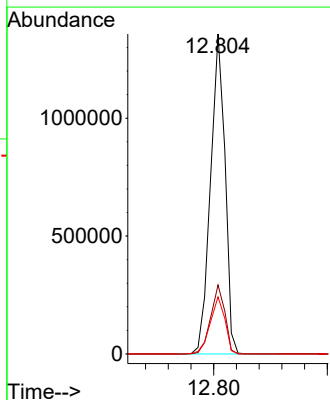
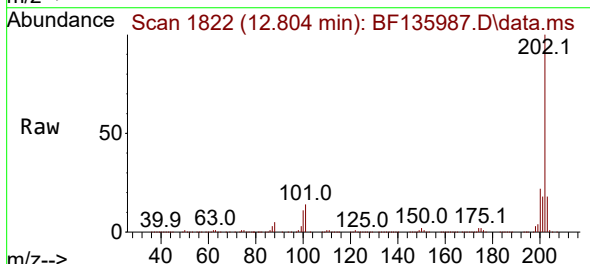
Manual Integrations  
APPROVED

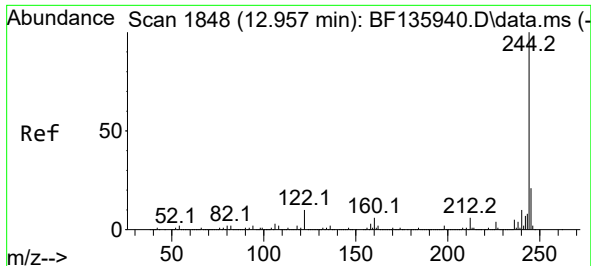
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#78  
Pyrene  
Concen: 46.825 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:202 Resp: 1199650  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.0 25.6  
203 17.8 14.5 21.7





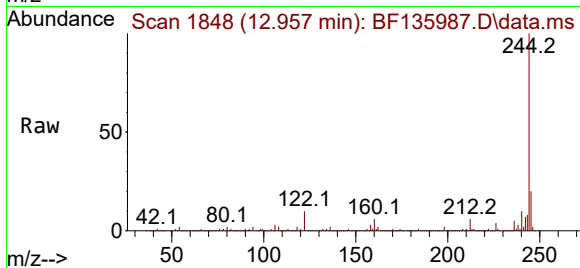
#79  
 Terphenyl-d14  
 Concen: 87.731 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. -0.000 min  
 Lab File: BF135987.D  
 Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

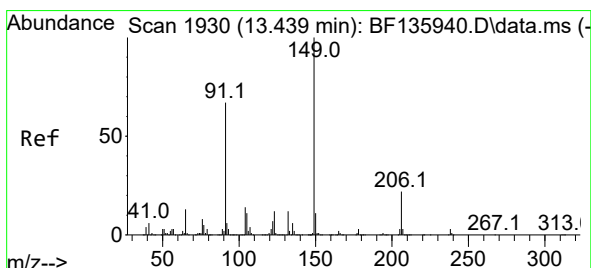
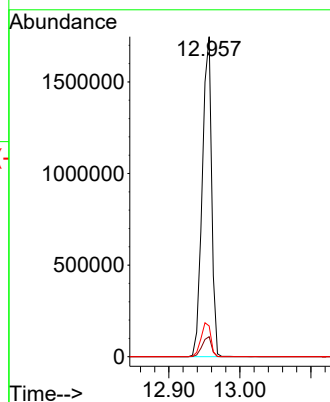
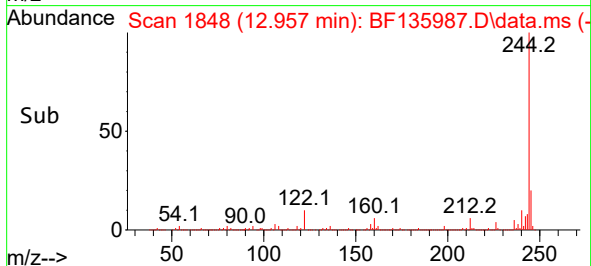


Tgt Ion:244 Resp: 160220  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.6  
 122 9.6 8.0 12.0

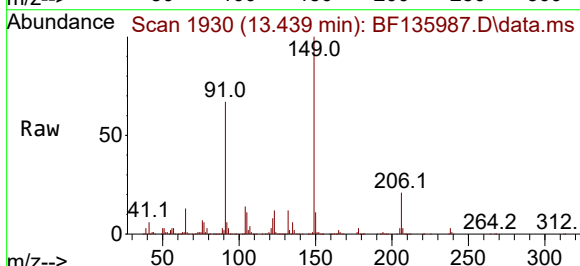
Manual Integrations

APPROVED

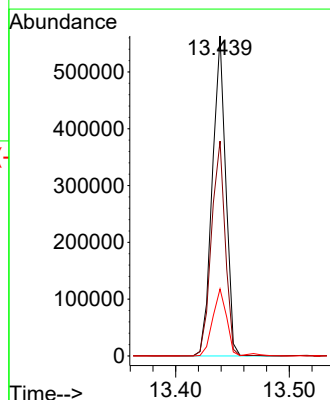
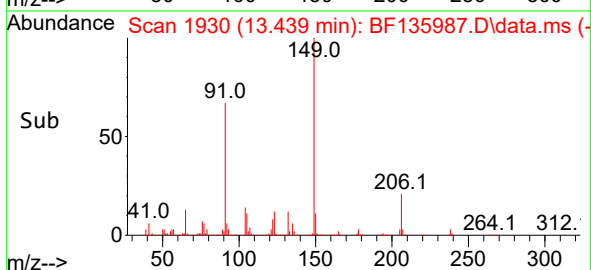
Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023

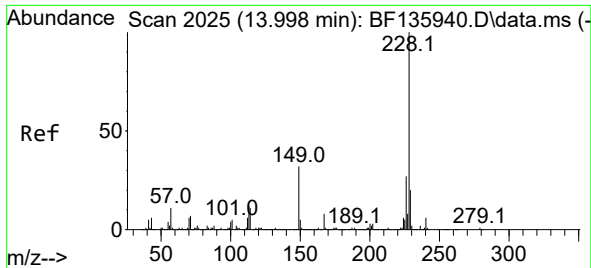


#80  
 Butylbenzylphthalate  
 Concen: 47.736 ng  
 RT: 13.439 min Scan# 1930  
 Delta R.T. 0.000 min  
 Lab File: BF135987.D  
 Acq: 27 Oct 2023 16:30



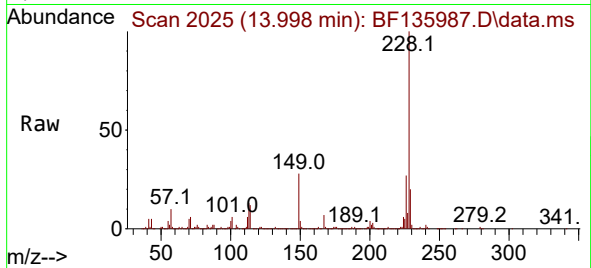
Tgt Ion:149 Resp: 461984  
 Ion Ratio Lower Upper  
 149 100  
 91 67.2 53.4 80.0  
 206 21.0 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 49.356 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

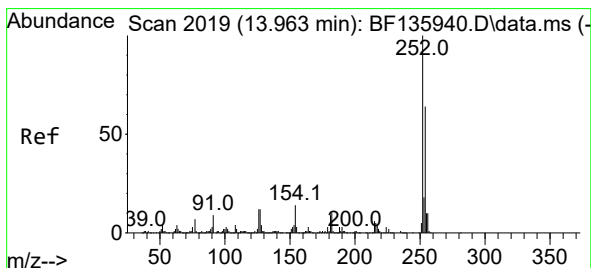
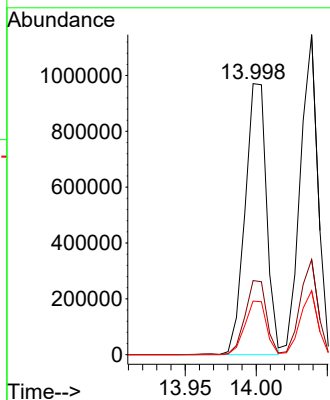
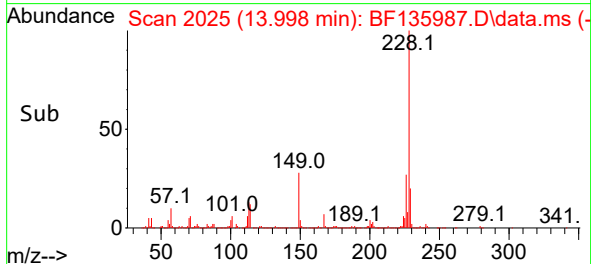
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



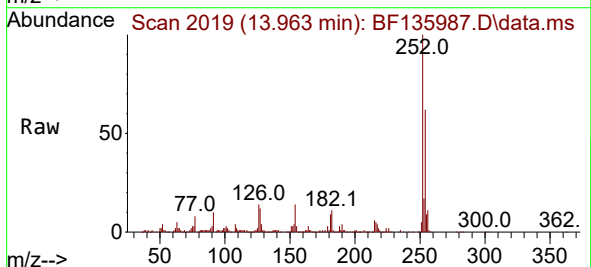
Tgt Ion:228 Resp: 1024000  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.6  
229 19.8 16.2 24.4

Manual Integrations  
APPROVED

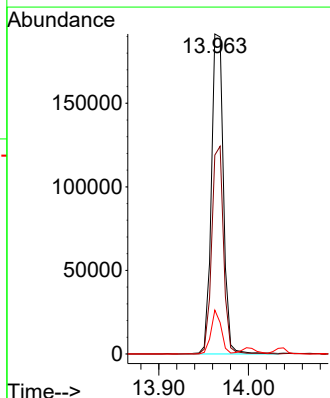
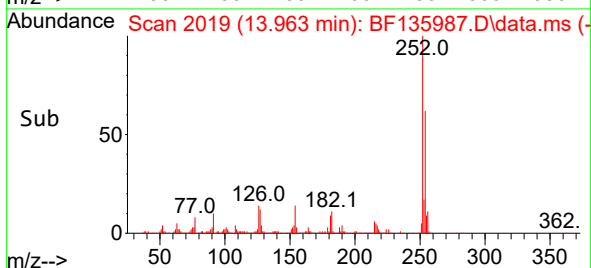
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

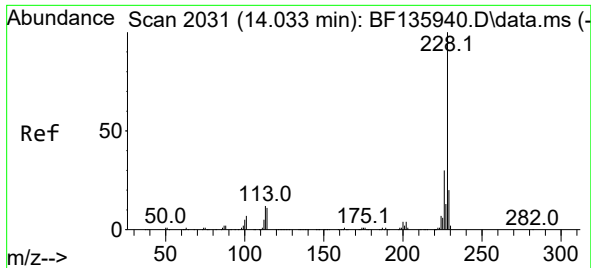


#82  
3,3'-Dichlorobenzidine  
Concen: 28.303 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:252 Resp: 178652  
Ion Ratio Lower Upper  
252 100  
254 62.2 50.9 76.3  
126 13.7 9.8 14.6





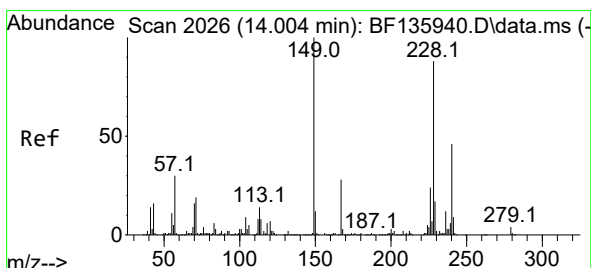
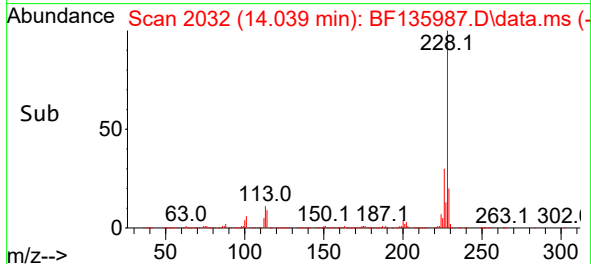
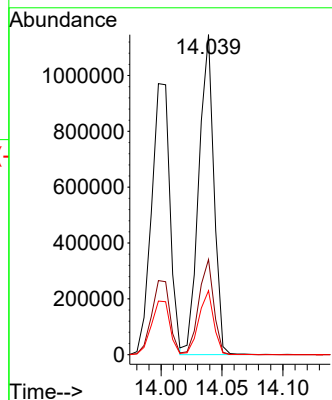
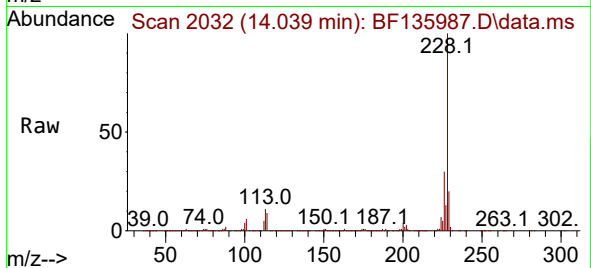
#83  
Chrysene  
Concen: 48.635 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS

Tgt Ion:228 Resp: 982754  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.9 35.9  
229 20.0 16.2 24.2

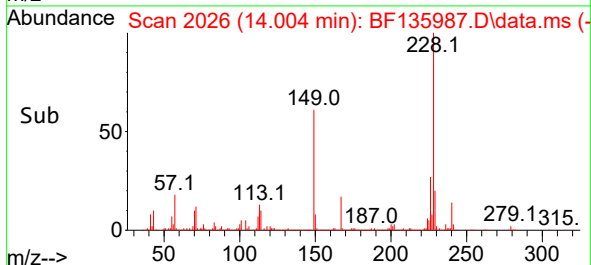
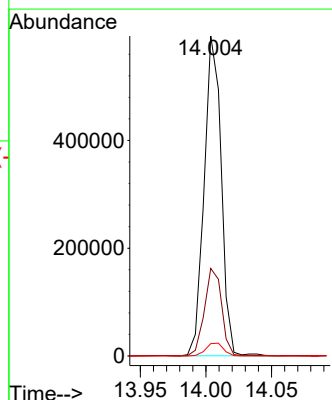
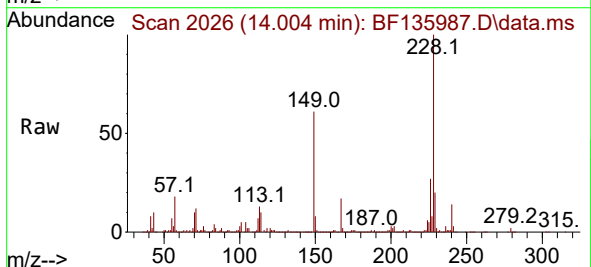
Manual Integrations  
APPROVED

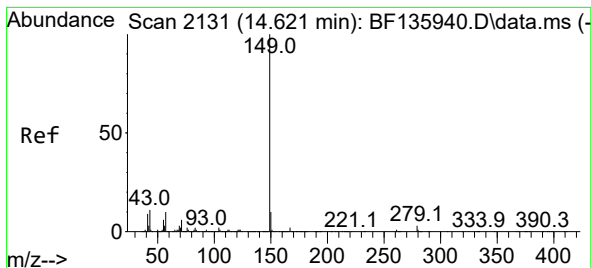
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.213 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:149 Resp: 539536  
Ion Ratio Lower Upper  
149 100  
167 27.4 22.2 33.2  
279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 62.974 ng

RT: 14.627 min Scan# 2131

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:149 Resp: 1045114

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

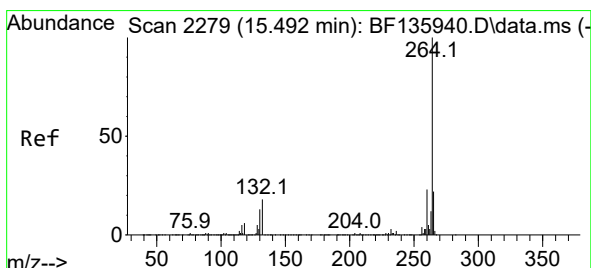
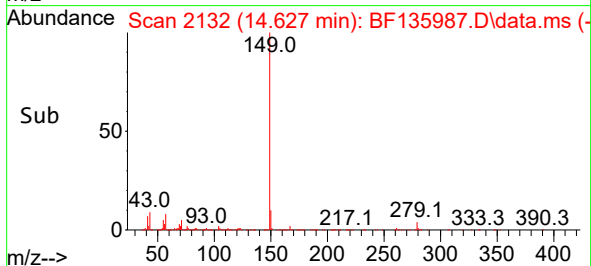
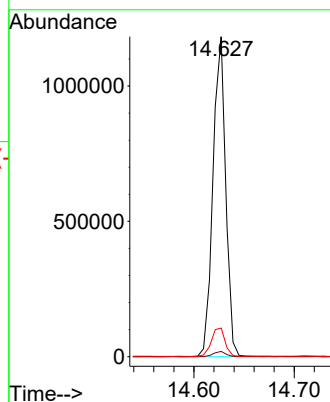
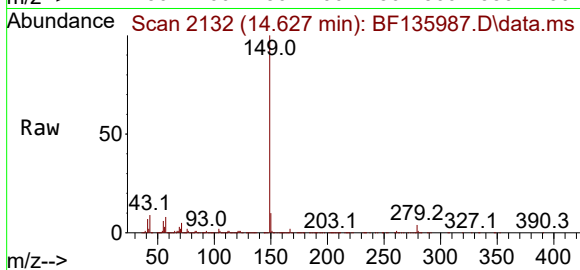
43 9.5 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

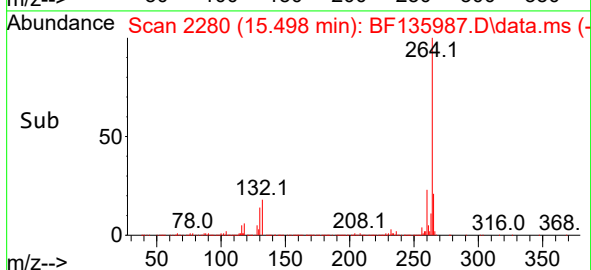
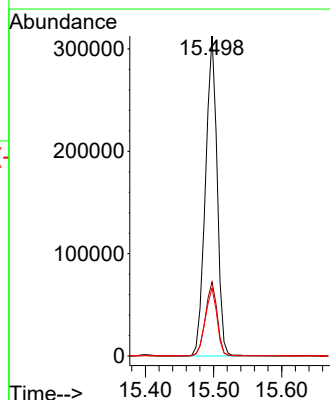
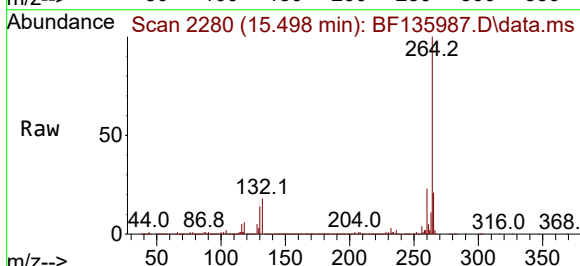
Tgt Ion:264 Resp: 371916

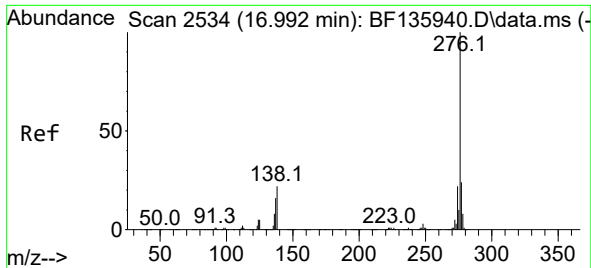
Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

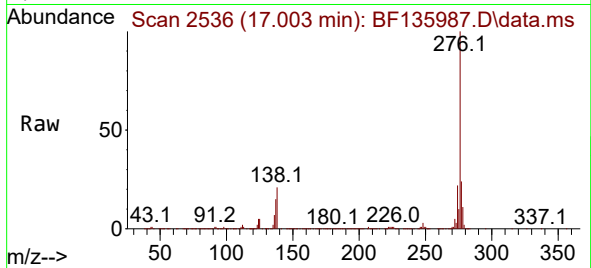
265 21.2 17.3 25.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 39.067 ng  
RT: 17.003 min Scan# 21  
Delta R.T. 0.011 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

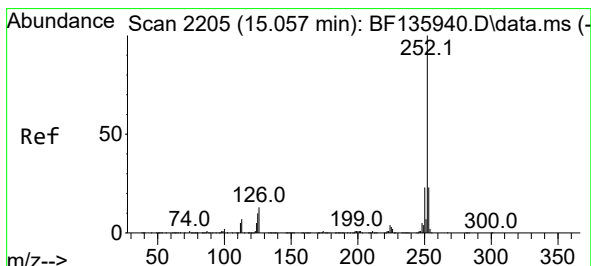
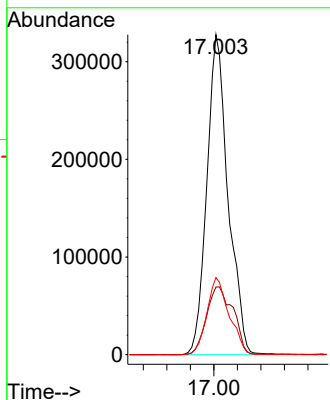
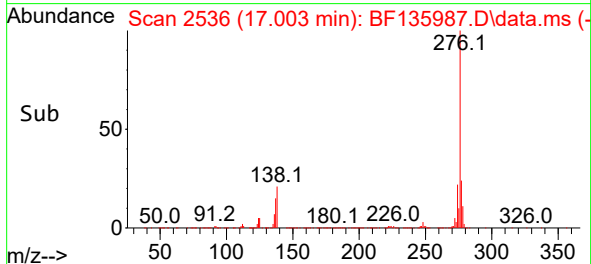
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



Tgt Ion:276 Resp: 823889  
Ion Ratio Lower Upper  
276 100  
138 26.5 21.8 32.6  
277 25.3 20.0 30.0

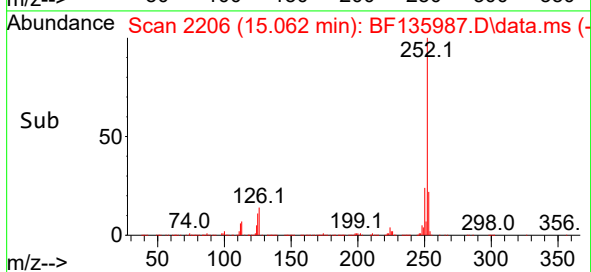
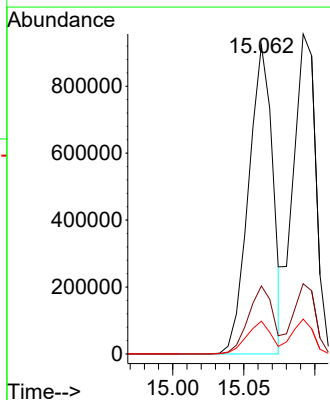
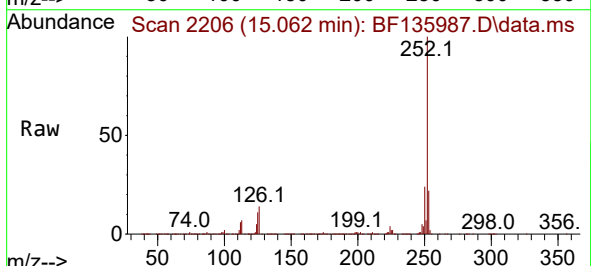
Manual Integrations  
APPROVED

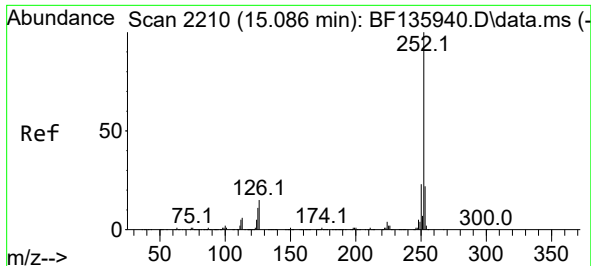
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#88  
Benzo(b)fluoranthene  
Concen: 49.445 ng  
RT: 15.062 min Scan# 2206  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

Tgt Ion:252 Resp: 1094390  
Ion Ratio Lower Upper  
252 100  
253 22.0 18.0 27.0  
125 10.6 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 48.432 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

Instrument :

BNA\_F

ClientSampleId :

TP-1MS

Tgt Ion:252 Resp: 1052809

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

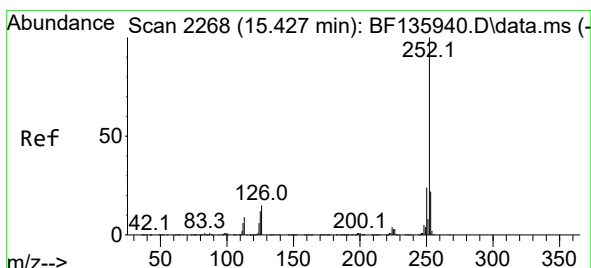
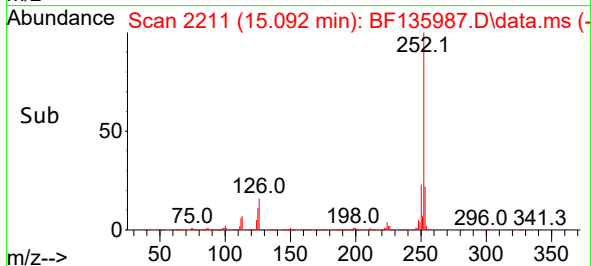
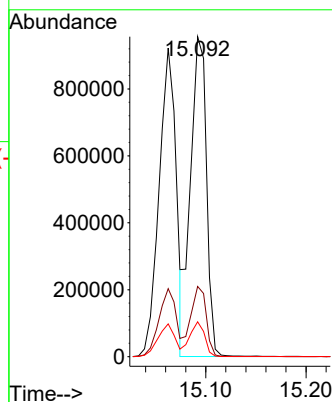
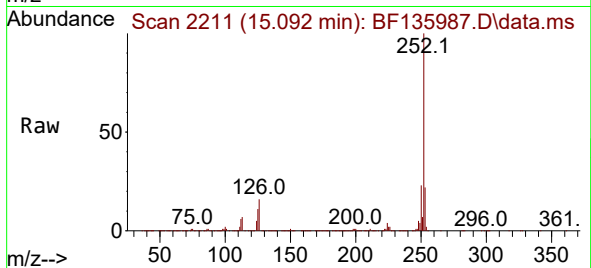
125 10.9 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#90

Benzo(a)pyrene

Concen: 46.793 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF135987.D

Acq: 27 Oct 2023 16:30

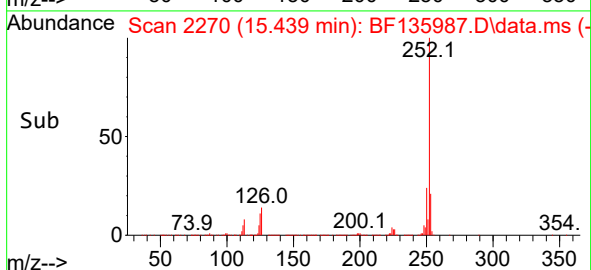
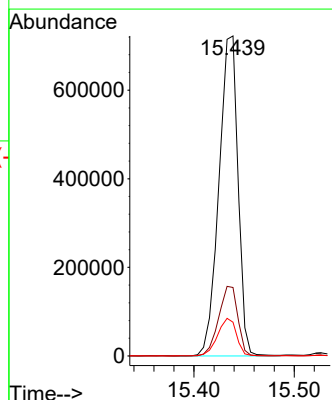
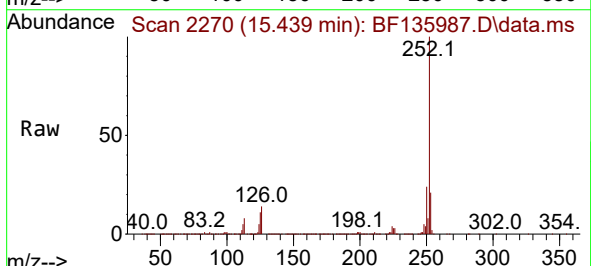
Tgt Ion:252 Resp: 954539

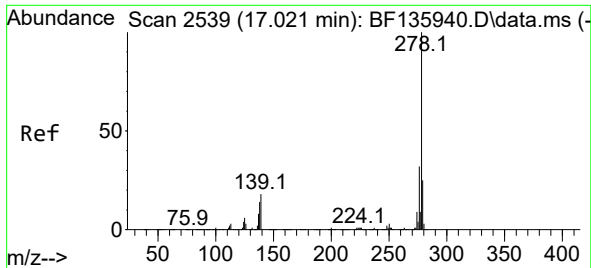
Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

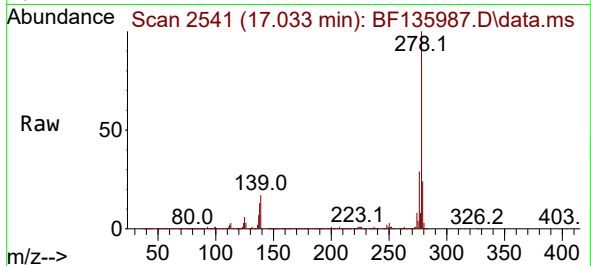
125 10.6 9.6 14.4





#91  
Dibenzo(a,h)anthracene  
Concen: 38.480 ng  
RT: 17.033 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30

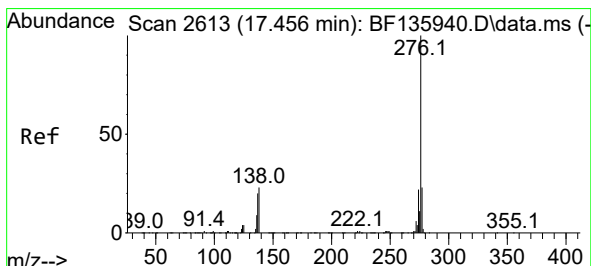
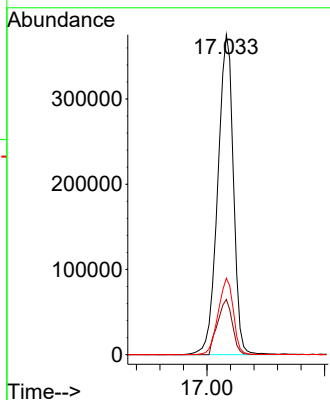
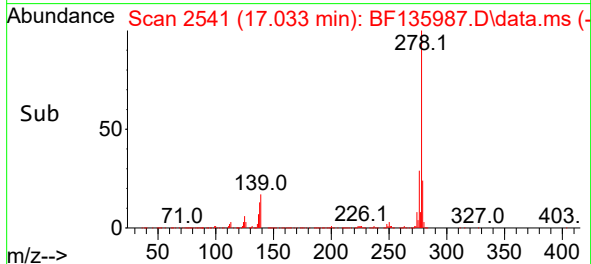
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MS



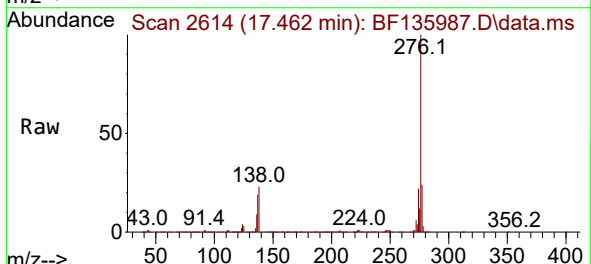
Tgt Ion:278 Resp: 69412  
Ion Ratio Lower Upper  
278 100  
139 17.3 14.0 21.0  
279 23.9 19.7 29.5

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#92  
Benzo(g,h,i)perylene  
Concen: 30.853 ng  
RT: 17.462 min Scan# 2614  
Delta R.T. 0.006 min  
Lab File: BF135987.D  
Acq: 27 Oct 2023 16:30



Tgt Ion:276 Resp: 602918  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.6 28.0  
138 22.8 18.4 27.6

