

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102723\  
 Data File : BF135988.D  
 Acq On : 27 Oct 2023 17:01  
 Operator : CG\JU  
 Sample : 04908-03MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MSD

Manual Integrations  
 APPROVED

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

Quant Time: Oct 27 22:33:12 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

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 169816   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 677161   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.869  | 164  | 346598   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 577210   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 302327   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 353635   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1297501  | 117.984 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1535557  | 112.157 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.393  | 82   | 1053867  | 98.716  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 456156   | 150.360 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.192  | 172  | 1908246  | 88.159  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 1605711  | 88.738  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 204065   | 39.946  | ng    | # 82     |
| 3) Pyridine                   | 3.493  | 79   | 465757   | 33.032  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 249134   | 40.522  | ng    | 94       |
| 6) Aniline                    | 6.493  | 93   | 420675   | 22.819  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 553717   | 48.637  | ng    | 99       |
| 9) Benzaldehyde               | 6.375  | 77   | 124997   | 16.877  | ng    | 96       |
| 10) Phenol                    | 6.475  | 94   | 588220m  | 41.096  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 538660   | 48.349  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 575082   | 47.557  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 580959   | 47.836  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.993  | 146  | 557732   | 49.454  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 455707   | 47.084  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 759181   | 46.271  | ng    | 98       |
| 17) 2-Methylphenol            | 7.081  | 107  | 423715   | 42.228  | ng    | 98       |
| 18) Hexachloroethane          | 7.340  | 117  | 207832   | 50.327  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 366241   | 47.041  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 509178   | 42.046  | ng    | # 83     |
| 22) Acetophenone              | 7.240  | 105  | 738992   | 48.318  | ng    | # 92     |
| 24) Nitrobenzene              | 7.410  | 77   | 557811   | 49.648  | ng    | 100      |
| 25) Isophorone                | 7.645  | 82   | 1039625  | 48.570  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.722  | 139  | 268893   | 60.574  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 420904   | 43.146  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 646799   | 49.209  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 454946   | 52.079  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 491394   | 49.682  | ng    | 100      |
| 31) Naphthalene               | 8.128  | 128  | 1547501  | 47.268  | ng    | 99       |
| 32) Benzoic acid              | 7.851  | 122  | 152181m  | 37.944  | ng    |          |
| 33) 4-Chloroaniline           | 8.175  | 127  | 99977    | 6.909   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 279982   | 50.222  | ng    | 99       |
| 35) Caprolactam               | 8.545  | 113  | 136885m  | 47.088  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.663  | 107  | 476446   | 51.322  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 994295   | 45.902  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 954595   | 47.163  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.987  | 216  | 474448   | 48.466  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 321826   | 66.673  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 313775   | 54.764  | ng    | 100      |

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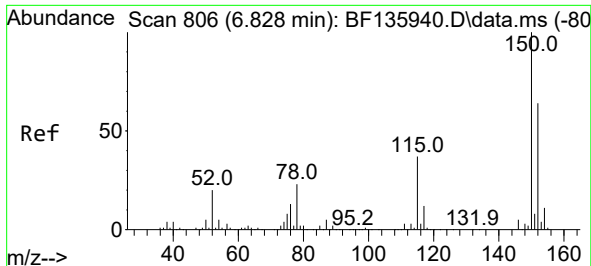
Manual Integrations  
 APPROVED

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  | 336524   | 49.468  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.287  | 154  | 1267443  | 48.260  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 959960   | 49.417  | ng    | 97       |
| 48) 2-Nitroaniline            | 9.410  | 65   | 301266   | 54.924  | ng    | 95       |
| 49) Acenaphthylene            | 9.728  | 152  | 1493135  | 48.722  | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 1115199  | 49.616  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 251230   | 53.315  | ng    | 92       |
| 52) Acenaphthene              | 9.904  | 154  | 929049   | 47.304  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 169001   | 31.991  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 57720    | 49.446  | ng    | # 89     |
| 55) Dibenzofuran              | 10.075 | 168  | 1326579  | 46.755  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.981  | 139  | 337798   | 74.924  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 318833   | 54.393  | ng    | 99       |
| 58) Fluorene                  | 10.416 | 166  | 970328   | 45.711  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 268858   | 52.521  | ng    | 98       |
| 60) Diethylphthalate          | 10.298 | 149  | 1064805  | 49.679  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 480007   | 46.878  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 248284   | 45.265  | ng    | 91       |
| 63) Azobenzene                | 10.575 | 77   | 1001433  | 46.040  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 59675    | 37.017  | ng    | 81       |
| 66) n-Nitrosodiphenylamine    | 10.533 | 169  | 915563   | 52.505  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 316550   | 53.550  | ng    | 94       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 347620   | 55.050  | ng    | 96       |
| 69) Atrazine                  | 11.063 | 200  | 314172   | 66.092  | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 254348   | 64.398  | ng    | 100      |
| 71) Phenanthrene              | 11.380 | 178  | 1427744  | 48.891  | ng    | 99       |
| 72) Anthracene                | 11.433 | 178  | 1446736  | 48.384  | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 1212037  | 45.440  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 1528485  | 53.851  | ng    | 99       |
| 75) Fluoranthene              | 12.575 | 202  | 1223039  | 39.809  | ng    | 98       |
| 77) Benzidine                 | 12.704 | 184  | 728693   | 125.000 | ng    | 100      |
| 78) Pyrene                    | 12.804 | 202  | 1198286  | 47.205  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 457122   | 47.677  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1021463  | 49.690  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 192534   | 30.786  | ng    | 100      |
| 83) Chrysene                  | 14.039 | 228  | 977725   | 48.834  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 553146   | 52.991  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1057664  | 64.321  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.004 | 276  | 773326   | 38.565  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 1075595  | 51.108  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 1016316  | 49.170  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 914225   | 47.134  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 655299   | 38.206  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 572904   | 30.836  | ng    | 99       |

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





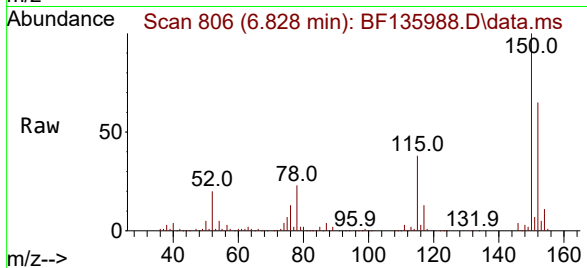
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.828 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF135988.D  
 Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

Client SampleId :

TP-1MSD

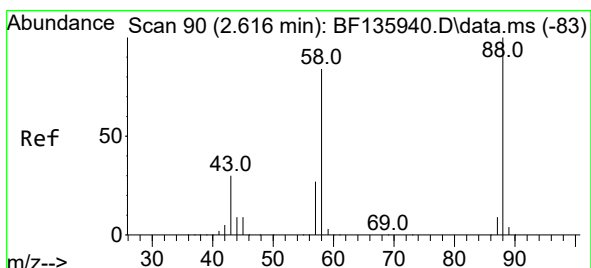
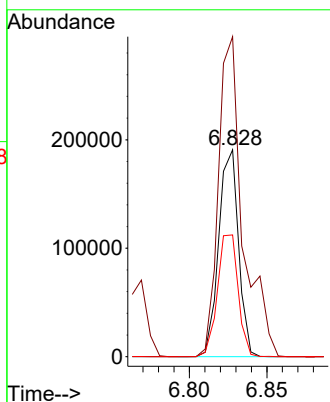
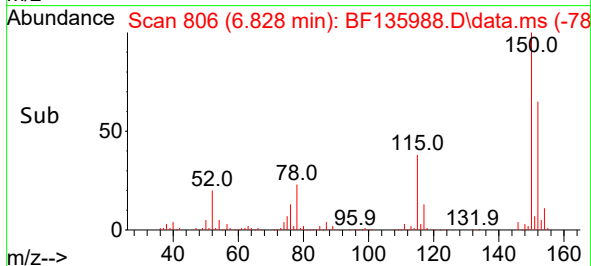


Tgt Ion:152 Resp: 169810  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 124.6 186.8  
 115 58.8 46.6 69.8

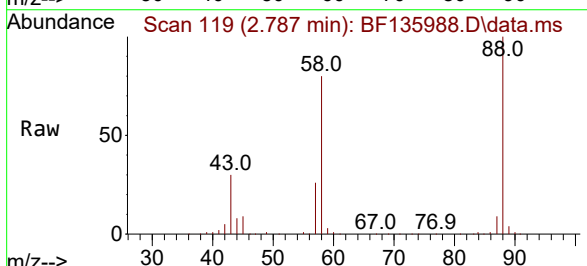
Manual Integrations

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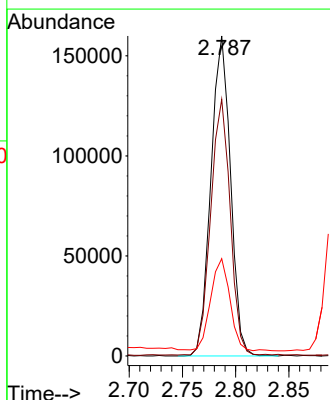
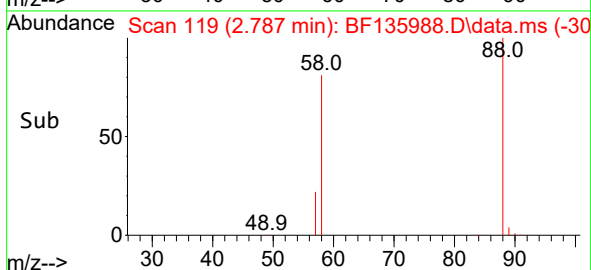
Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023

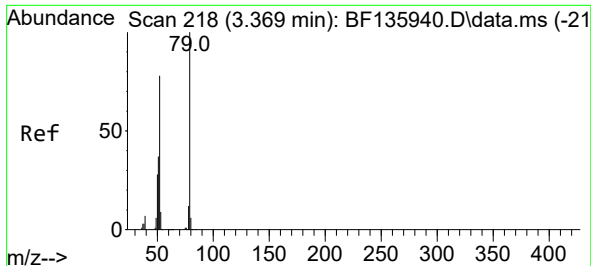


#2  
 1,4-Dioxane  
 Concen: 39.946 ng  
 RT: 2.787 min Scan# 119  
 Delta R.T. 0.171 min  
 Lab File: BF135988.D  
 Acq: 27 Oct 2023 17:01



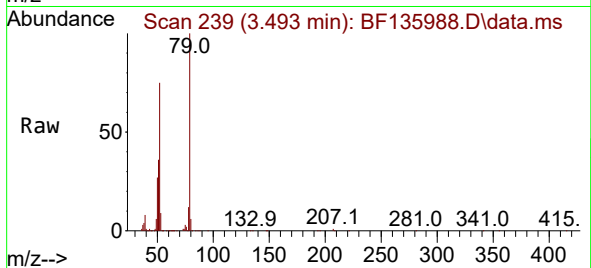
Tgt Ion: 88 Resp: 204065  
 Ion Ratio Lower Upper  
 88 100  
 58 79.3 66.6 100.0  
 43 0.0 23.8 35.8





#3  
Pyridine  
Concen: 33.032 ng  
RT: 3.493 min Scan# 218  
Delta R.T. 0.124 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

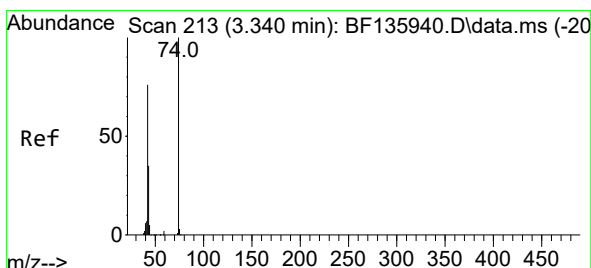
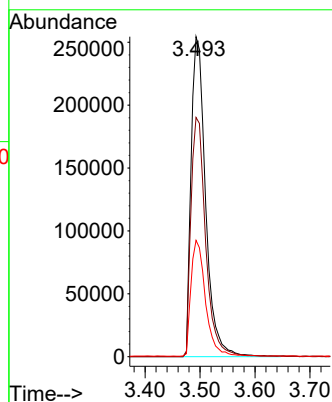
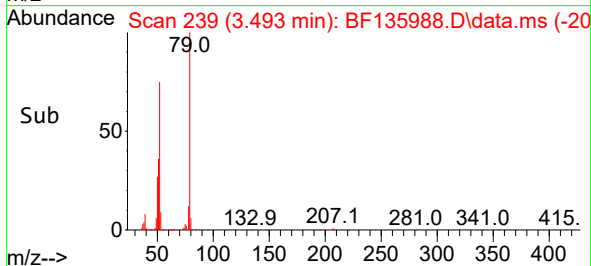
Instrument :  
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ClientSampleId :  
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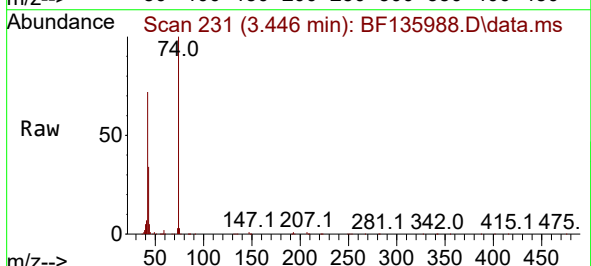
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Ion Ratio Lower Upper  
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51 36.3 29.8 44.8

Manual Integrations  
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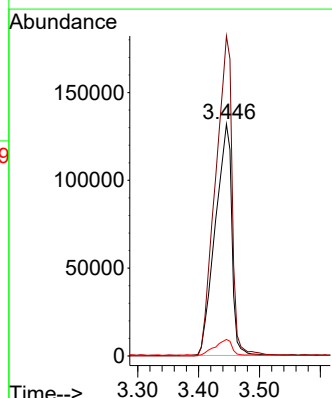
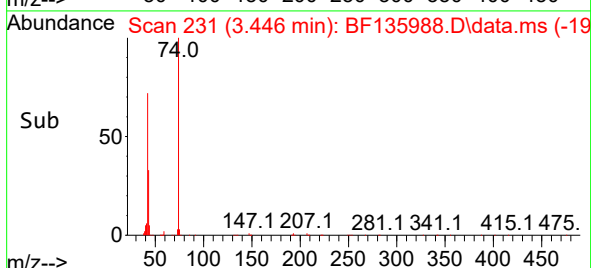
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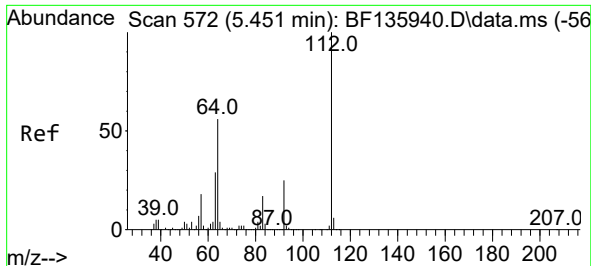


#4  
n-Nitrosodimethylamine  
Concen: 40.522 ng  
RT: 3.446 min Scan# 231  
Delta R.T. 0.106 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



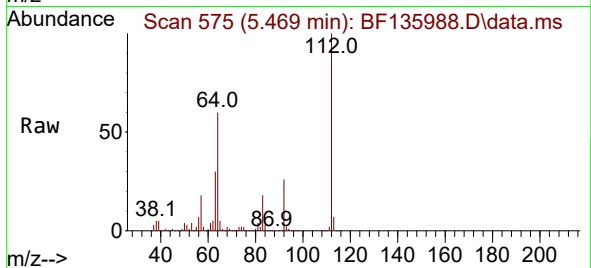
Tgt Ion: 42 Resp: 249134  
Ion Ratio Lower Upper  
42 100  
74 138.1 104.8 157.2  
44 7.1 5.9 8.9





#5  
2-Fluorophenol  
Concen: 117.984 ng  
RT: 5.469 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

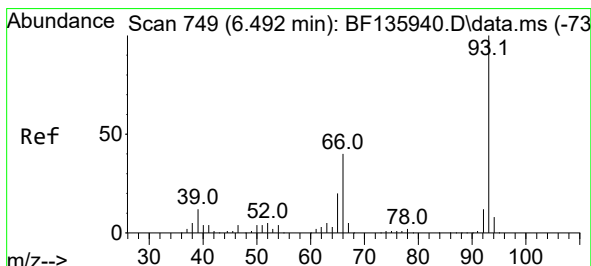
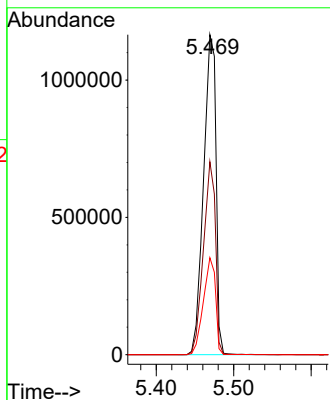
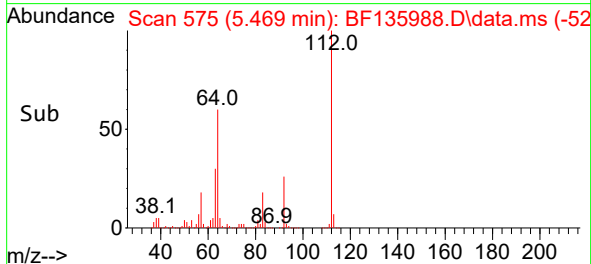
Instrument :  
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Tgt Ion:112 Resp: 129750  
Ion Ratio Lower Upper  
112 100  
64 60.3 45.1 67.7  
63 30.3 23.0 34.4

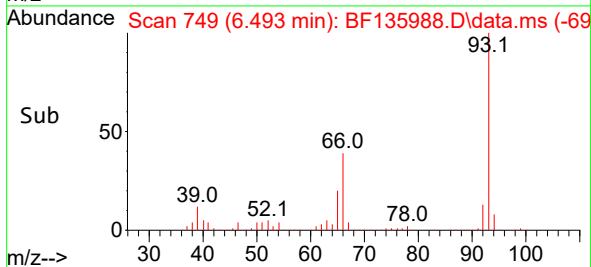
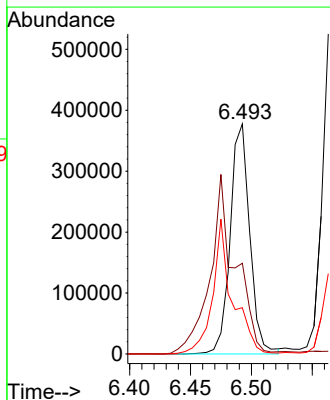
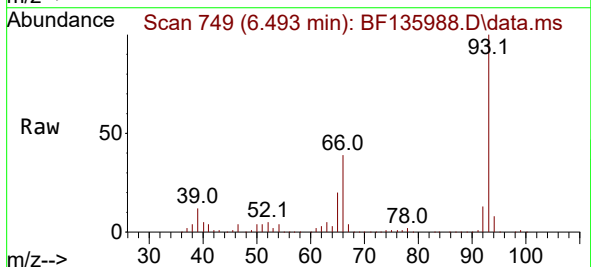
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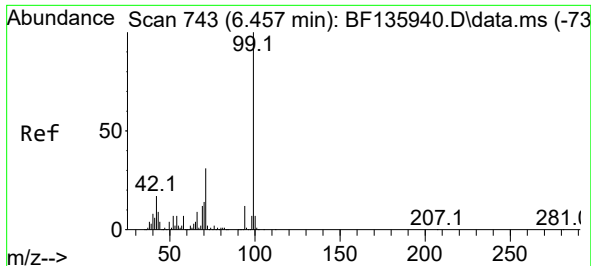
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#6  
Aniline  
Concen: 22.819 ng  
RT: 6.493 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

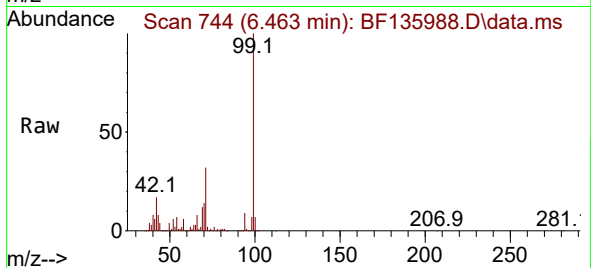
Tgt Ion: 93 Resp: 420675  
Ion Ratio Lower Upper  
93 100  
66 39.4 32.0 48.0  
65 20.1 16.2 24.4





#7  
Phenol-d6  
Concen: 112.157 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

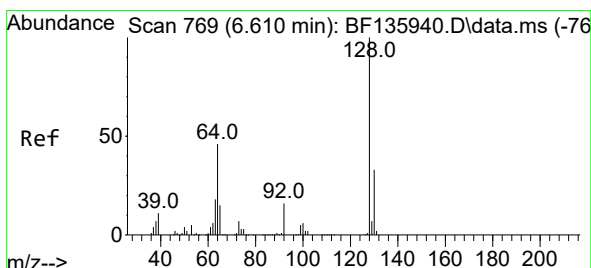
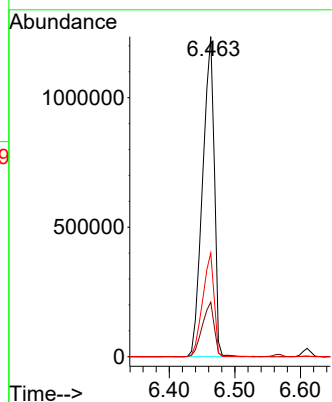
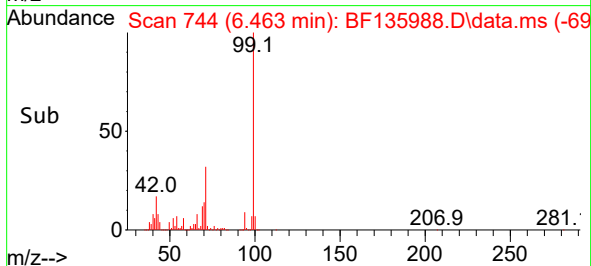
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 153555  
Ion Ratio Lower Upper  
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71 32.4 25.1 37.7

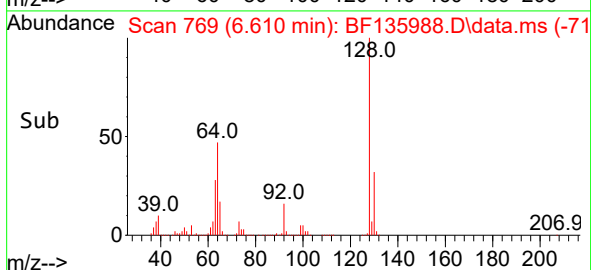
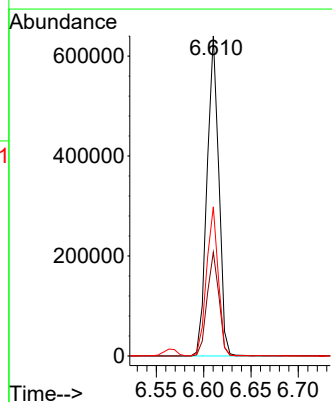
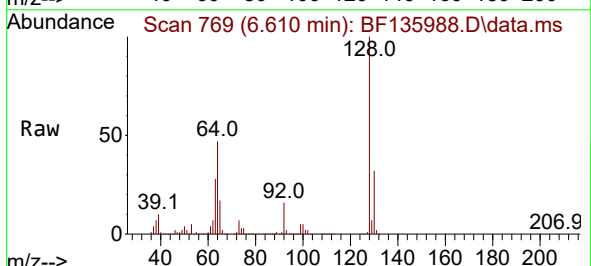
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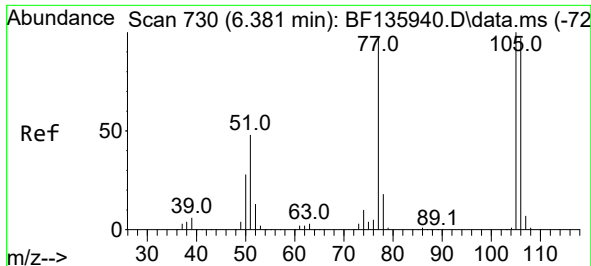
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#8  
2-Chlorophenol  
Concen: 48.637 ng  
RT: 6.610 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:128 Resp: 553717  
Ion Ratio Lower Upper  
128 100  
130 32.5 13.1 53.1  
64 46.6 27.0 67.0





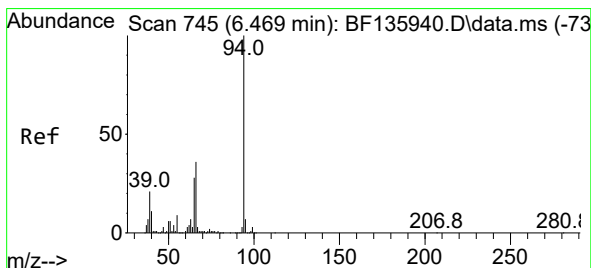
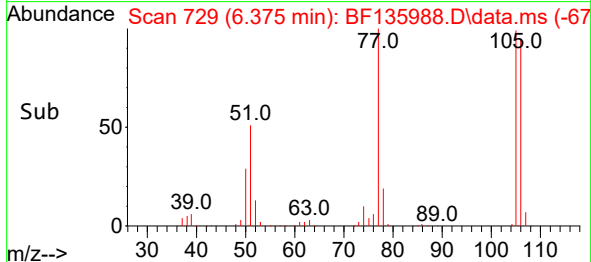
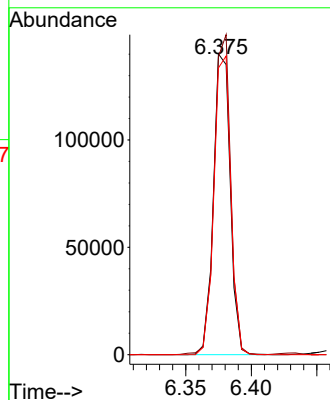
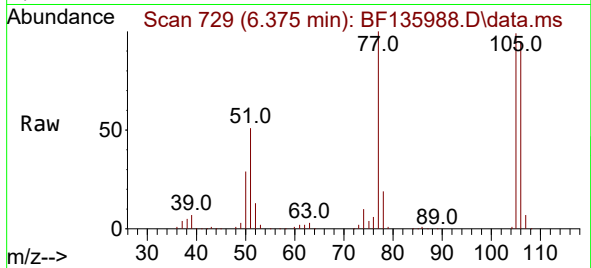
#9  
Benzaldehyde  
Concen: 16.877 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

Tgt Ion: 77 Resp: 12499  
Ion Ratio Lower Upper  
77 100  
105 99.0 83.2 123.2  
106 95.3 80.0 120.0

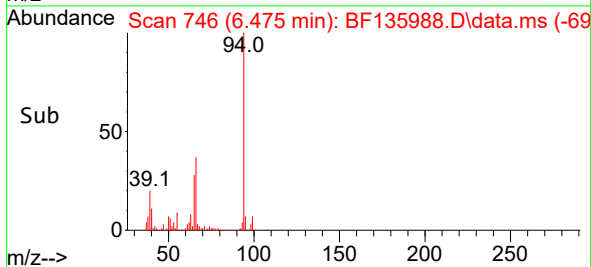
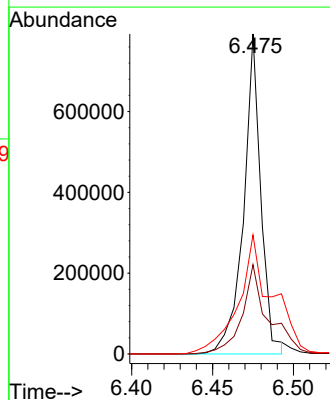
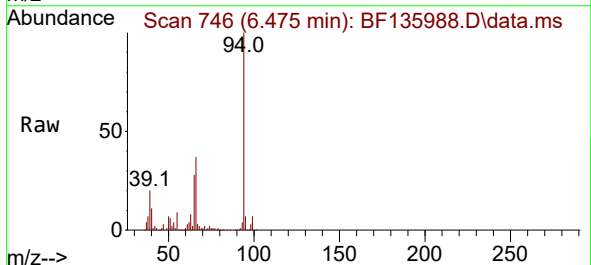
Manual Integrations  
APPROVED

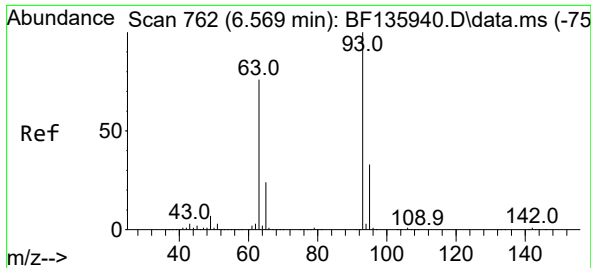
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#10  
Phenol  
Concen: 41.096 ng m  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

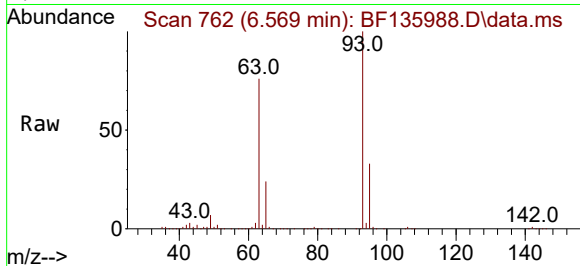
Tgt Ion: 94 Resp: 588220  
Ion Ratio Lower Upper  
94 100  
65 27.9 7.8 47.8  
66 37.2 16.5 56.5





#11  
bis(2-Chloroethyl)ether  
Concen: 48.349 ng  
RT: 6.569 min Scan# 762  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

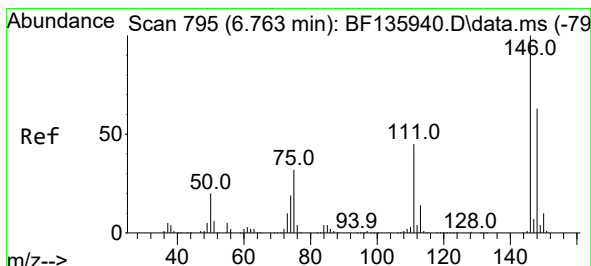
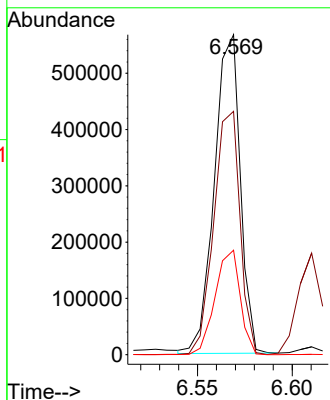
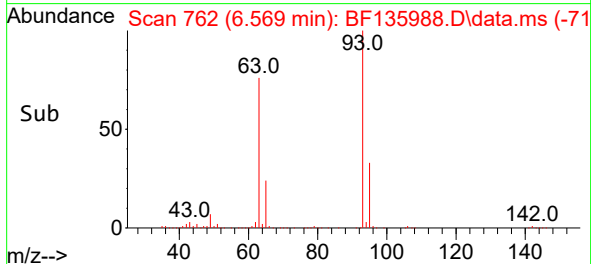
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion: 93 Resp: 538660  
Ion Ratio Lower Upper  
93 100  
63 76.0 56.2 96.2  
95 32.6 12.9 52.9

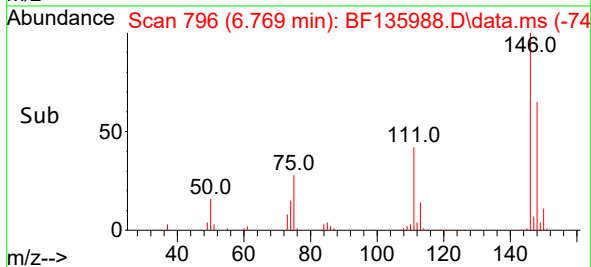
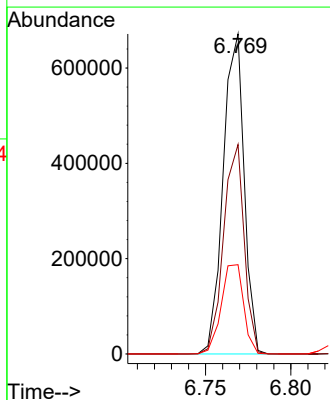
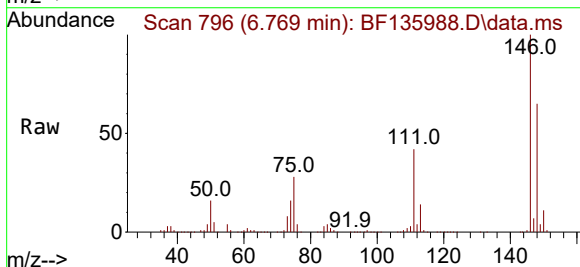
Manual Integrations  
APPROVED

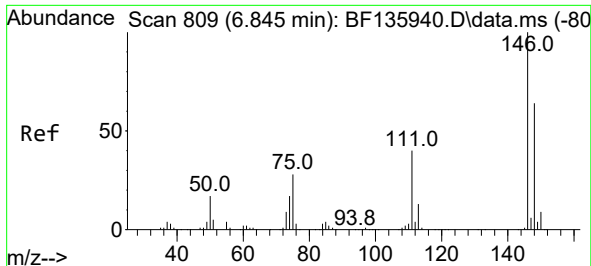
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#12  
1,3-Dichlorobenzene  
Concen: 47.557 ng  
RT: 6.769 min Scan# 796  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

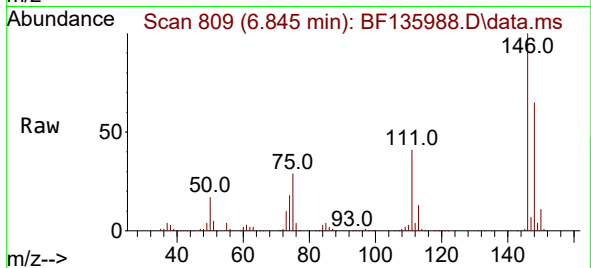
Tgt Ion:146 Resp: 575082  
Ion Ratio Lower Upper  
146 100  
148 65.5 50.2 75.4  
75 27.9 25.9 38.9





#13  
1,4-Dichlorobenzene  
Concen: 47.836 ng  
RT: 6.845 min Scan# 809  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

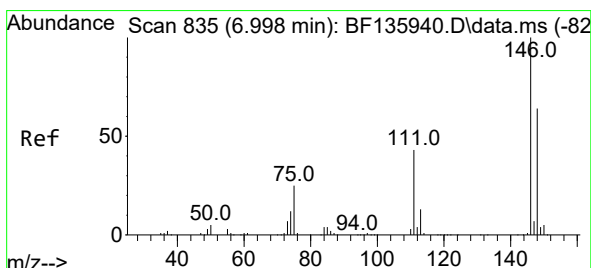
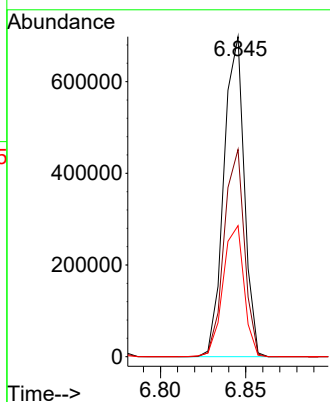
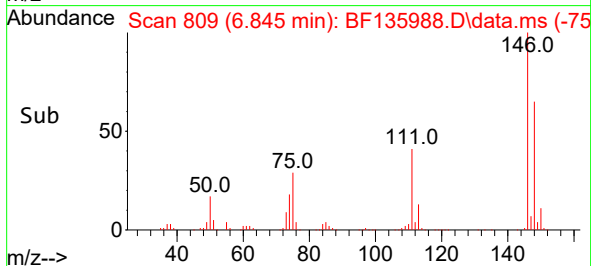
Instrument :  
BNA\_F  
Client SampleId :  
TP-1MSD



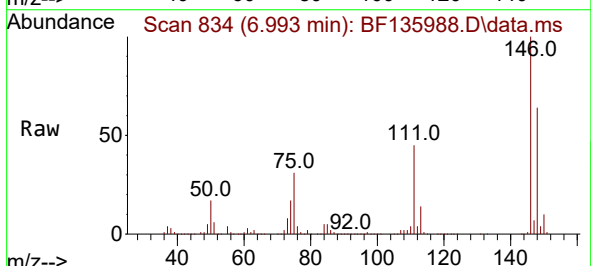
Tgt Ion:146 Resp: 580959  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.4 77.2  
111 40.9 31.8 47.8

Manual Integrations  
APPROVED

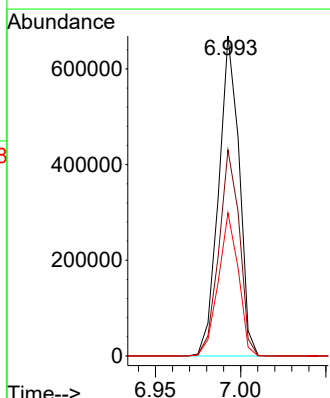
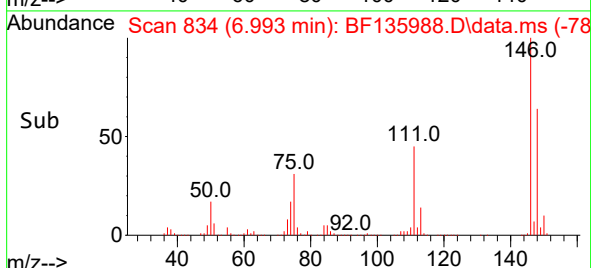
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

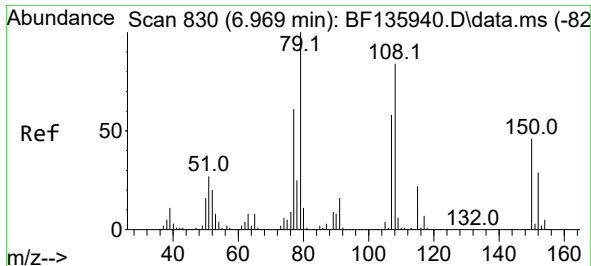


#14  
1,2-Dichlorobenzene  
Concen: 49.454 ng  
RT: 6.993 min Scan# 834  
Delta R.T. -0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



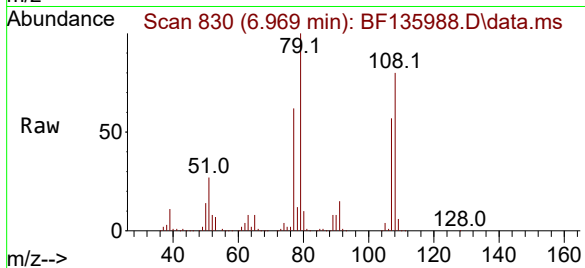
Tgt Ion:146 Resp: 557732  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.4 77.0  
111 44.7 34.2 51.4





#15  
Benzyl Alcohol  
Concen: 47.084 ng  
RT: 6.969 min Scan# 830  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

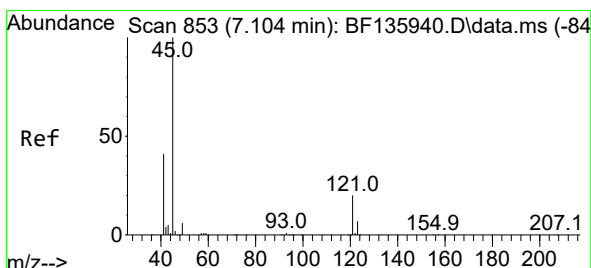
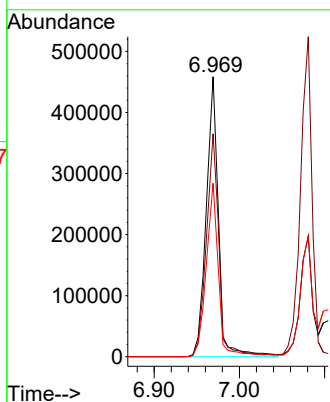
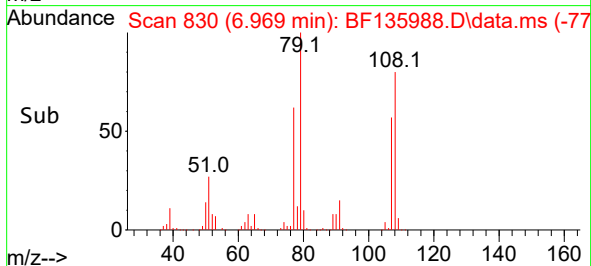
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion: 79 Resp: 45570  
Ion Ratio Lower Upper  
79 100  
108 79.6 67.2 100.8  
77 62.0 49.0 73.6

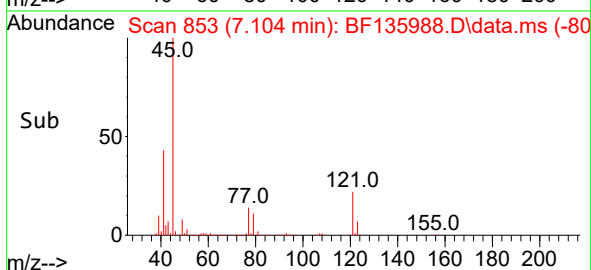
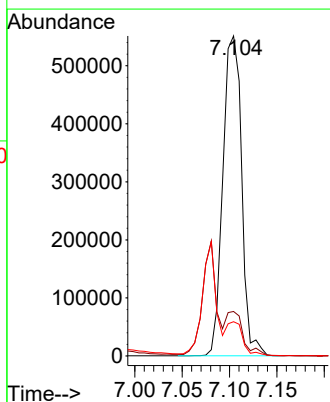
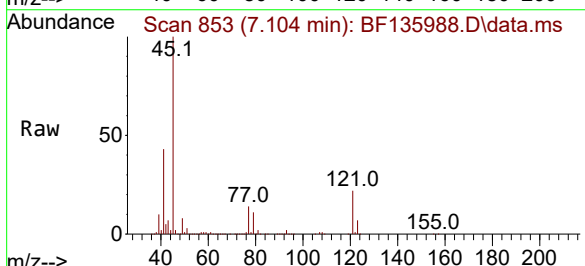
Manual Integrations  
APPROVED

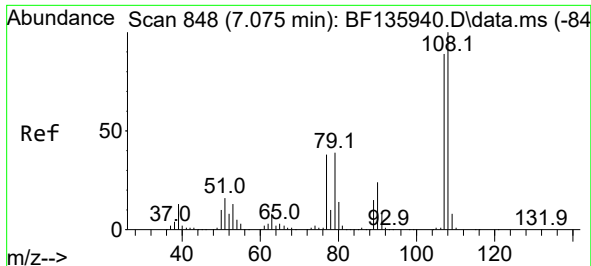
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.271 ng  
RT: 7.104 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

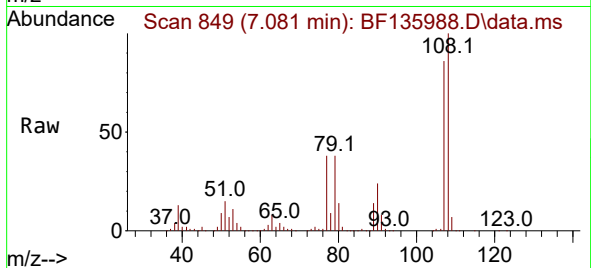
Tgt Ion: 45 Resp: 759181  
Ion Ratio Lower Upper  
45 100  
77 13.9 0.0 33.2  
79 10.7 0.0 29.8





#17  
2-Methylphenol  
Concen: 42.228 ng  
RT: 7.081 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

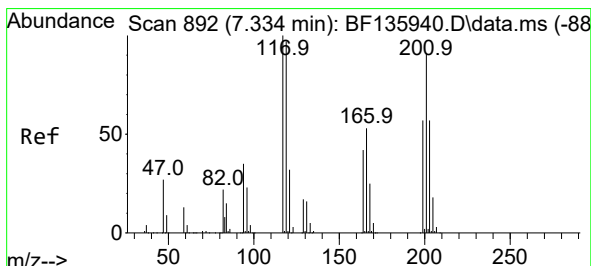
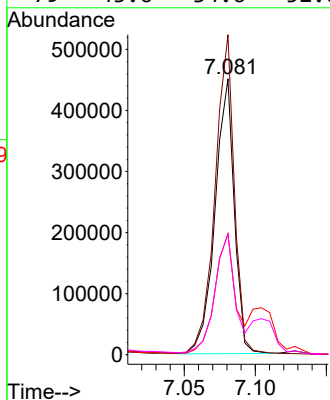
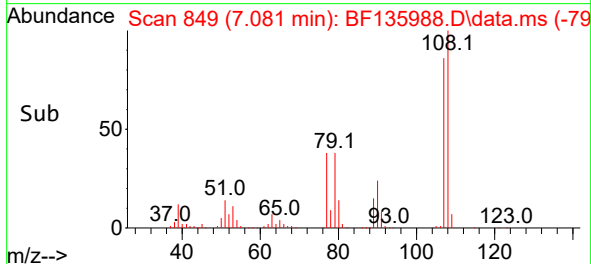
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:107 Resp: 423715  
Ion Ratio Lower Upper  
107 100  
108 116.0 89.8 134.6  
77 43.9 34.2 51.2  
79 43.6 34.6 52.0

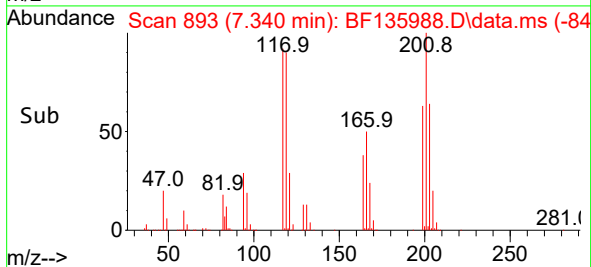
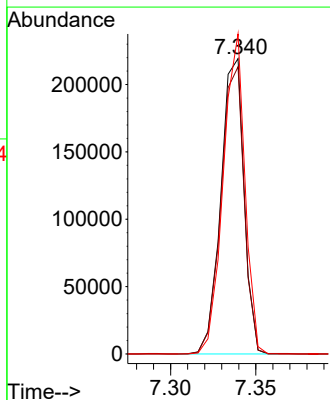
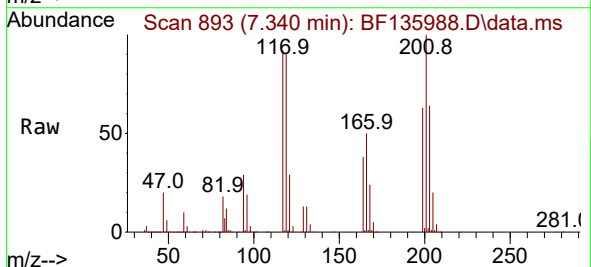
Manual Integrations  
APPROVED

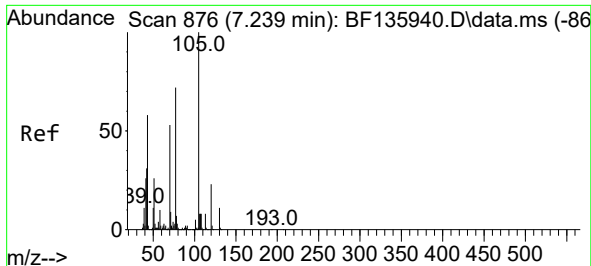
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#18  
Hexachloroethane  
Concen: 50.327 ng  
RT: 7.340 min Scan# 893  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

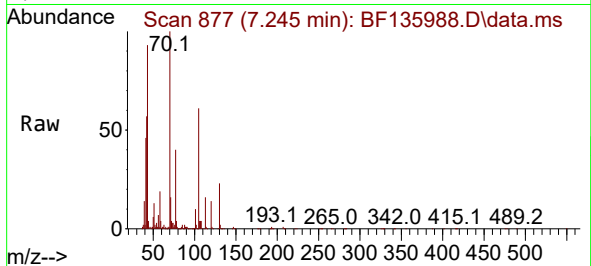
Tgt Ion:117 Resp: 207832  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.3 115.9  
201 108.3 72.8 109.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.041 ng  
RT: 7.245 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

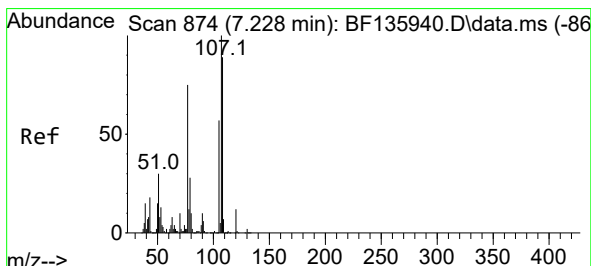
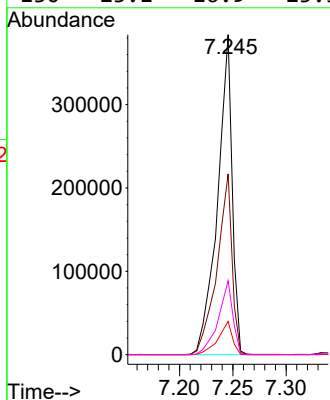
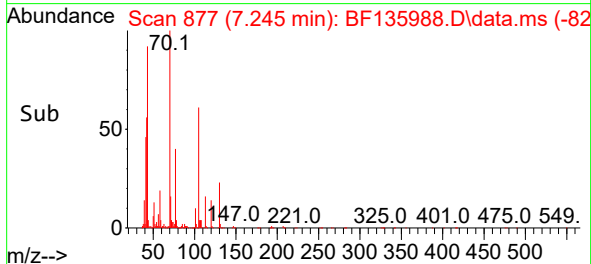
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



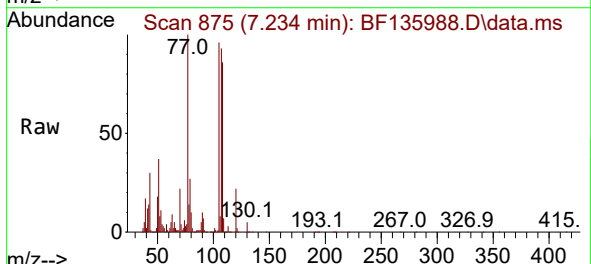
Tgt Ion: 70 Resp: 36624  
Ion Ratio Lower Upper  
70 100  
42 56.5 47.3 70.9  
101 10.4 7.8 11.8  
130 23.1 16.9 25.3

Manual Integrations  
APPROVED

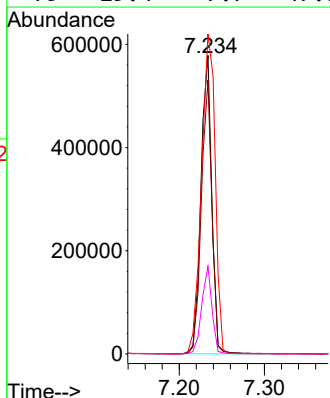
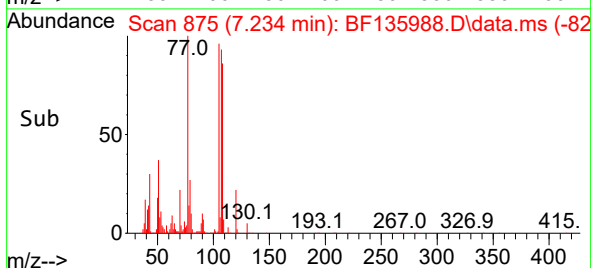
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

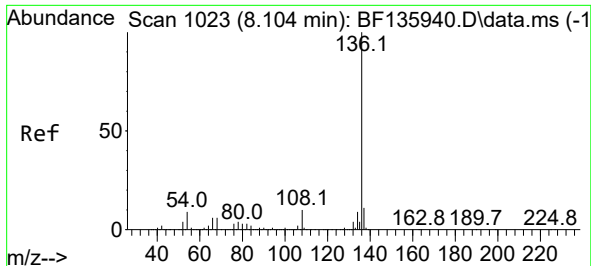


#20  
3+4-Methylphenols  
Concen: 42.046 ng  
RT: 7.234 min Scan# 875  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:107 Resp: 509178  
Ion Ratio Lower Upper  
107 100  
108 91.8 69.1 109.1  
77 107.2 55.0 95.0#  
79 29.4 7.7 47.7





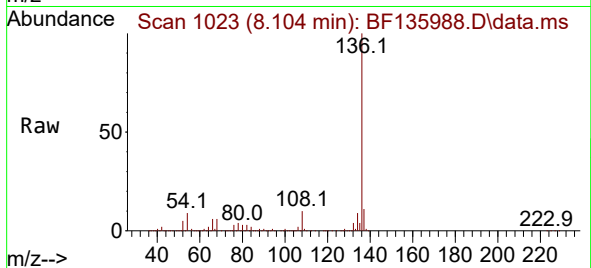
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

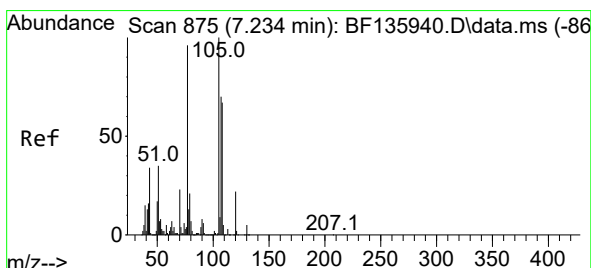
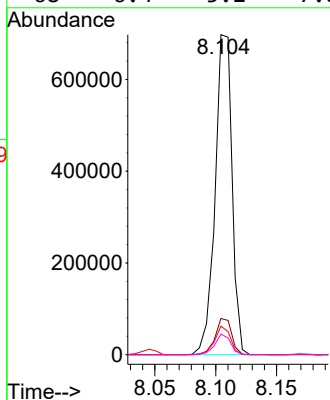
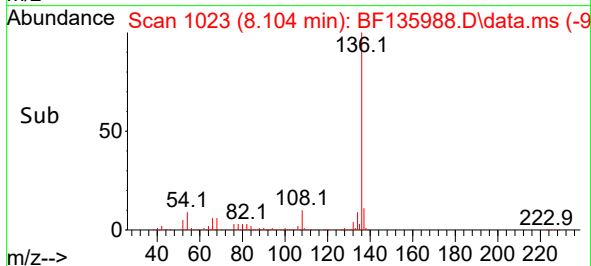


Tgt Ion:136 Resp: 677163  
Ion Ratio Lower Upper  
136 100  
137 11.3 9.0 13.6  
54 8.9 7.1 10.7  
68 6.4 5.2 7.8

Manual Integrations

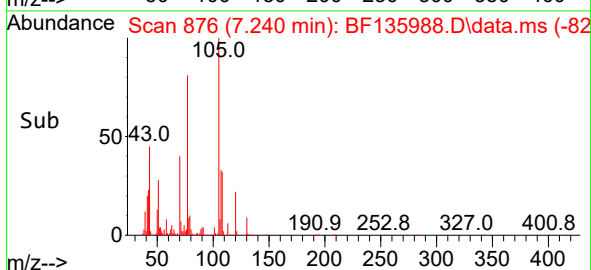
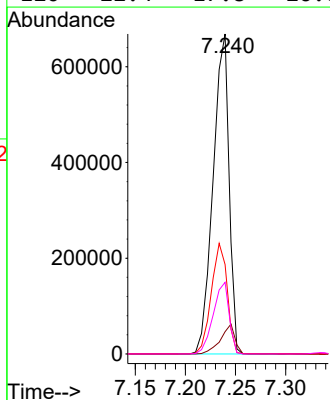
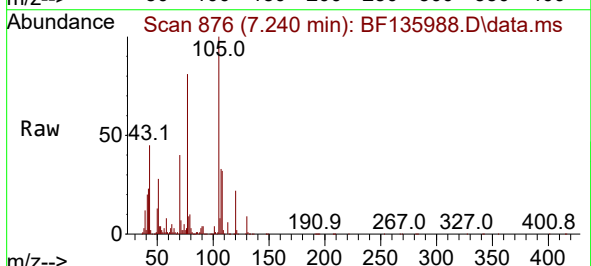
APPROVED

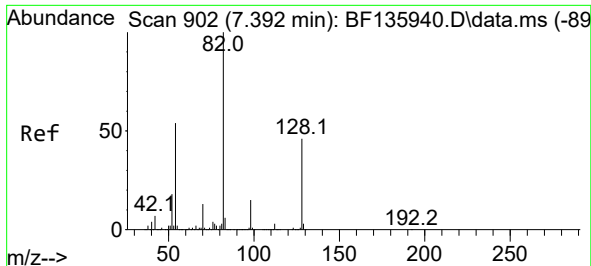
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#22  
Acetophenone  
Concen: 48.318 ng  
RT: 7.240 min Scan# 876  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

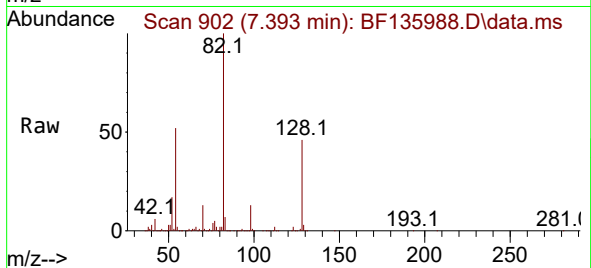
Tgt Ion:105 Resp: 738992  
Ion Ratio Lower Upper  
105 100  
71 6.9 3.4 5.2#  
51 28.0 28.4 42.6#  
120 22.4 17.8 26.6





#23  
Nitrobenzene-d5  
Concen: 98.716 ng  
RT: 7.393 min Scan# 902  
Delta R.T. 0.001 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

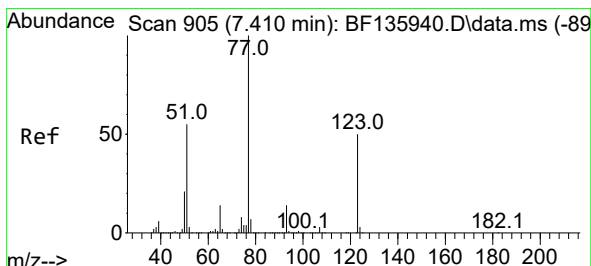
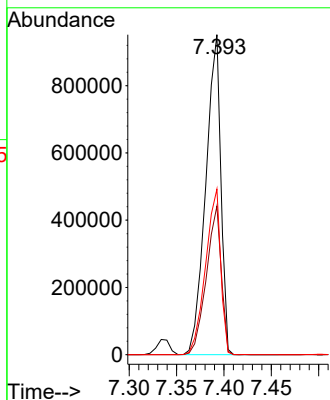
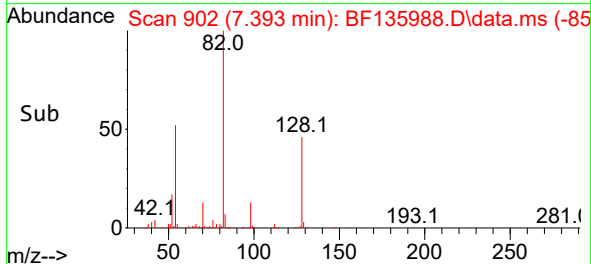
Instrument :  
BNA\_F  
Client SampleId :  
TP-1MSD



Tgt Ion: 82 Resp: 105386  
Ion Ratio Lower Upper  
82 100  
128 46.5 36.8 55.2  
54 51.8 43.4 65.0

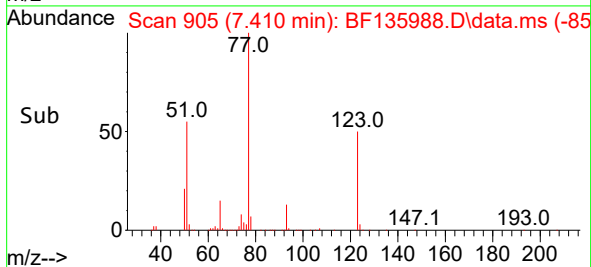
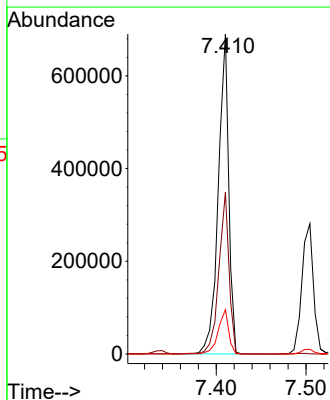
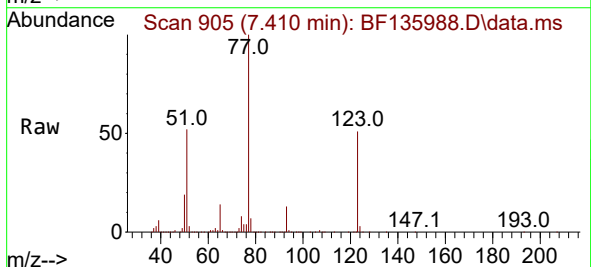
Manual Integrations  
APPROVED

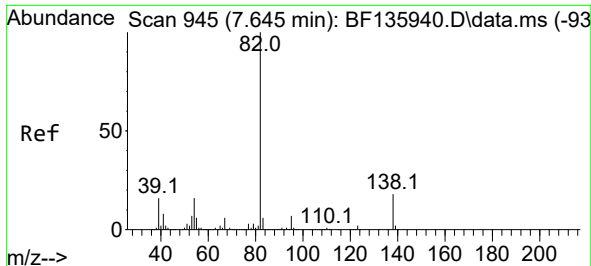
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#24  
Nitrobenzene  
Concen: 49.648 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

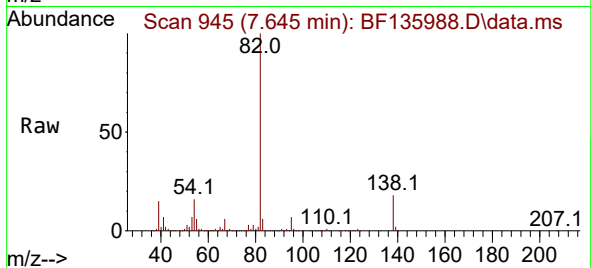
Tgt Ion: 77 Resp: 557811  
Ion Ratio Lower Upper  
77 100  
123 50.6 40.2 60.2  
65 13.9 11.0 16.4





#25  
Isophorone  
Concen: 48.570 ng  
RT: 7.645 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

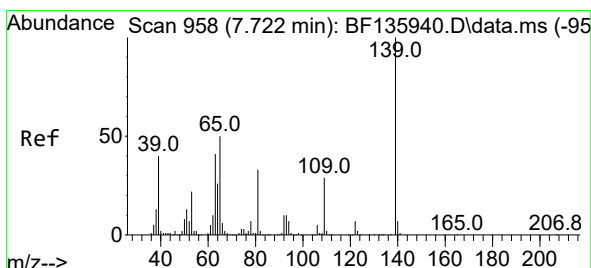
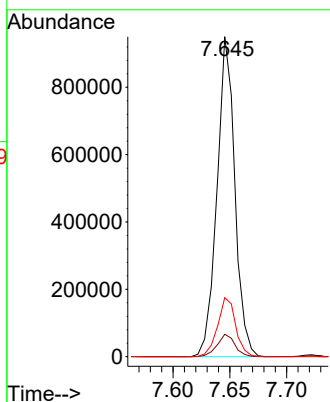
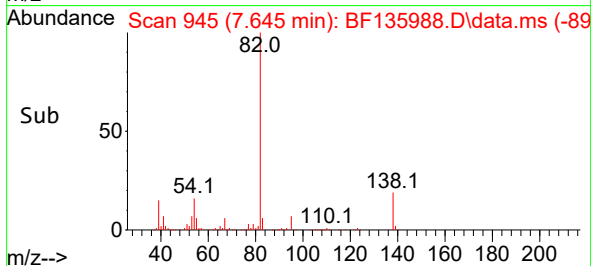
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



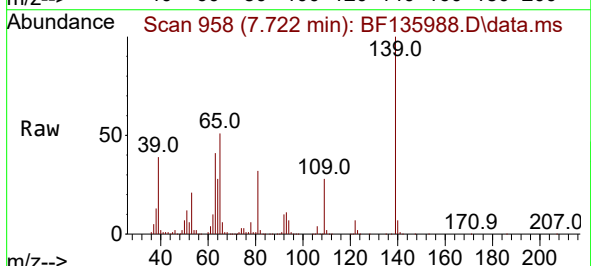
Tgt Ion: 82 Resp: 1039625  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.6 8.4  
138 18.5 14.8 22.2

Manual Integrations  
APPROVED

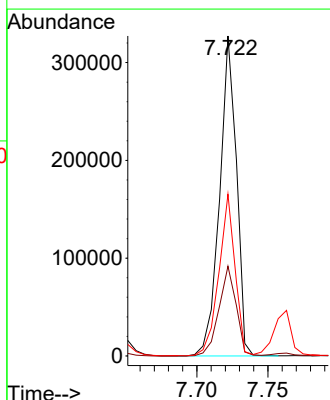
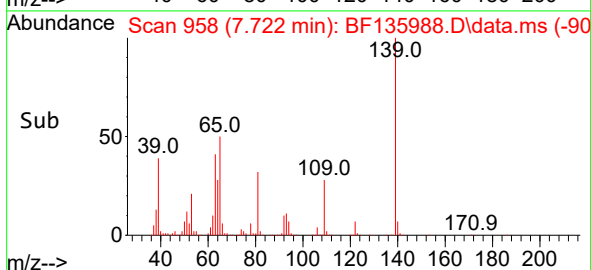
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

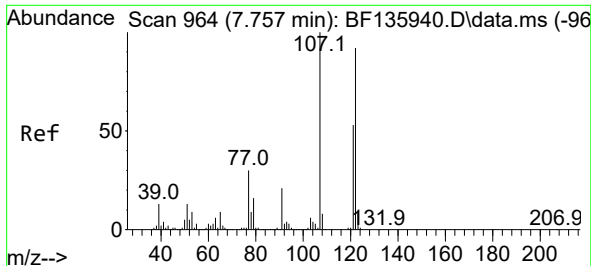


#26  
2-Nitrophenol  
Concen: 60.574 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:139 Resp: 268893  
Ion Ratio Lower Upper  
139 100  
109 28.1 23.1 34.7  
65 50.5 39.8 59.8





#27

2,4-Dimethylphenol

Concen: 43.146 ng

RT: 7.763 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF135988.D

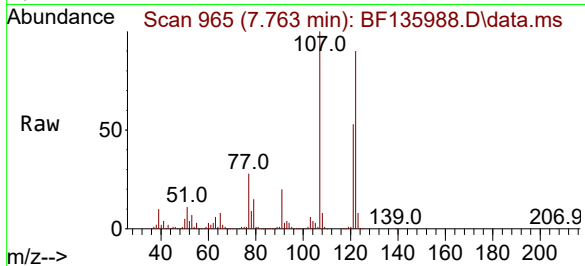
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD



Tgt Ion:122 Resp: 420904

Ion Ratio Lower Upper

122 100

107 111.5 87.1 130.7

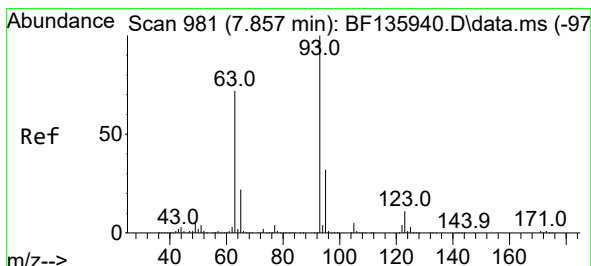
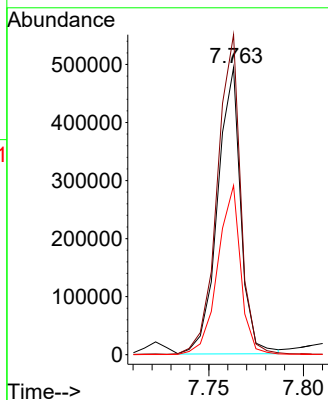
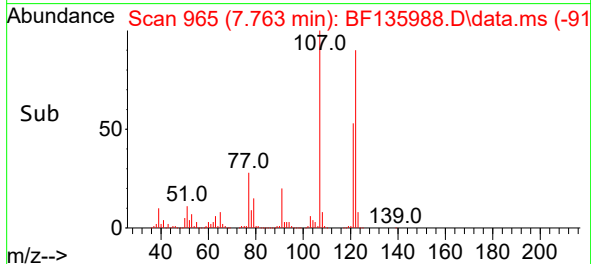
121 58.9 45.9 68.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#28

bis(2-Chloroethoxy)methane

Concen: 49.209 ng

RT: 7.863 min Scan# 982

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

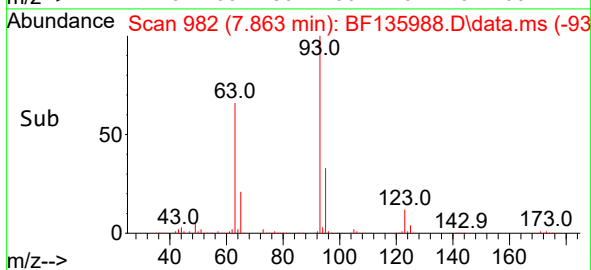
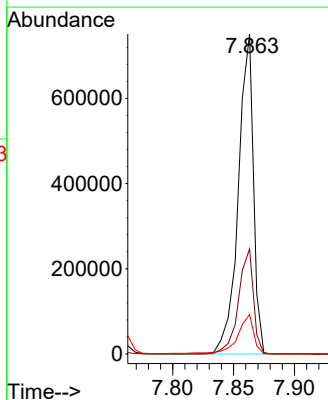
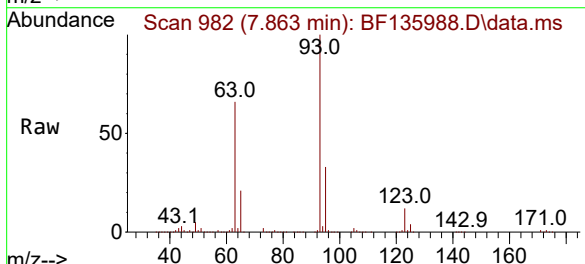
Tgt Ion: 93 Resp: 646799

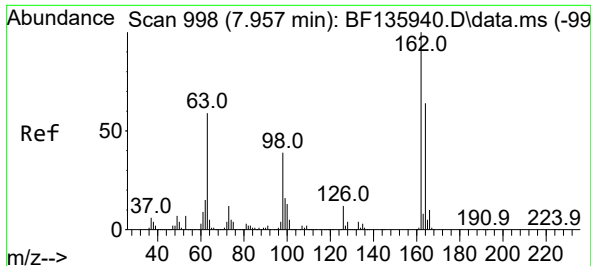
Ion Ratio Lower Upper

93 100

95 32.8 25.9 38.9

123 12.3 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 52.079 ng

RT: 7.963 min Scan# 998

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

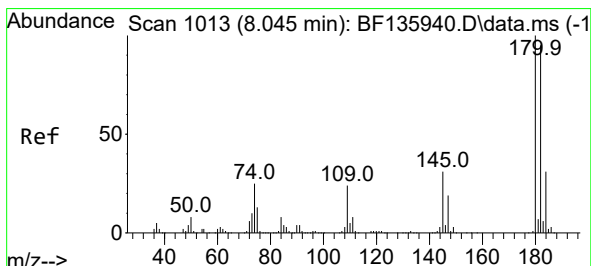
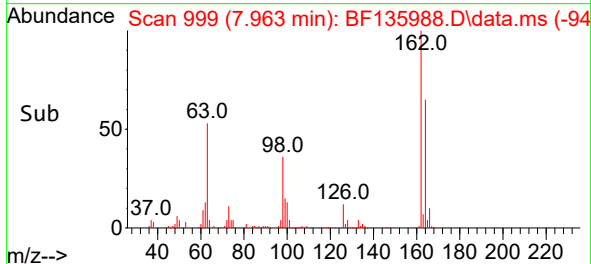
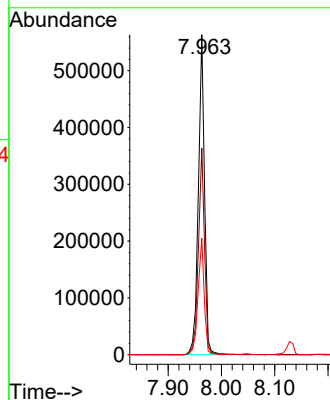
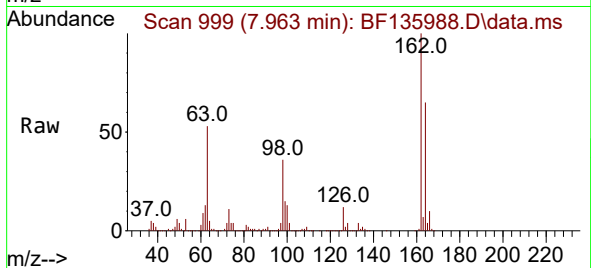
TP-1MSD

Tgt Ion:162 Resp: 454940  
 Ion Ratio Lower Upper  
 162 100  
 164 64.6 43.7 83.7  
 98 36.4 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: 49.682 ng

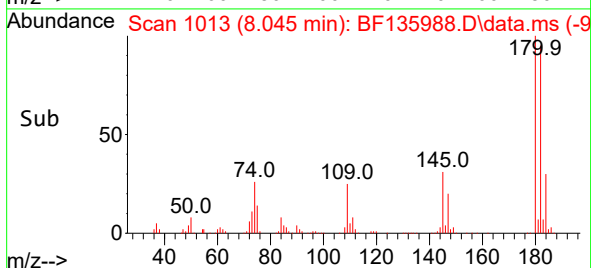
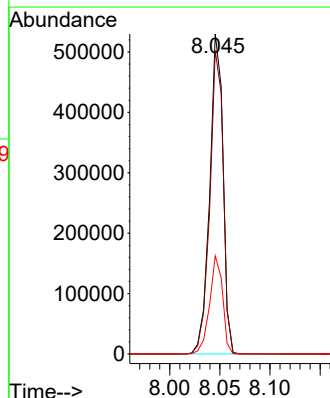
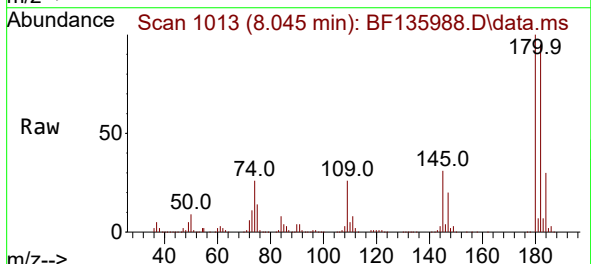
RT: 8.045 min Scan# 1013

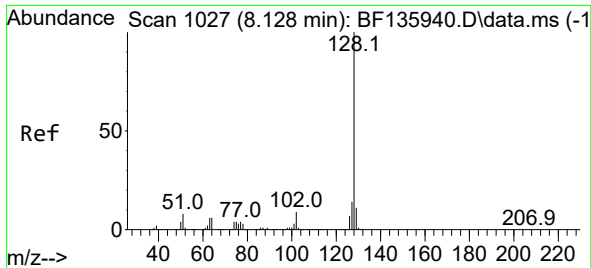
Delta R.T. 0.000 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

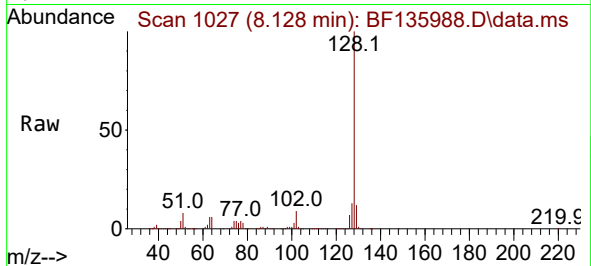
Tgt Ion:180 Resp: 491394  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 76.0 114.0  
 145 30.6 24.6 36.8





#31  
Naphthalene  
Concen: 47.268 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

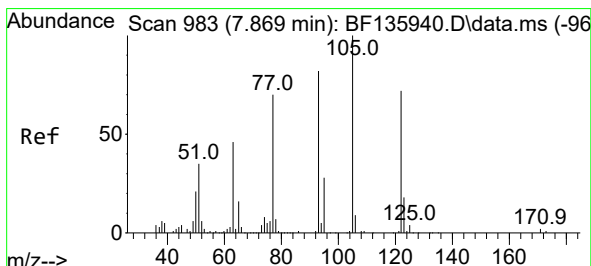
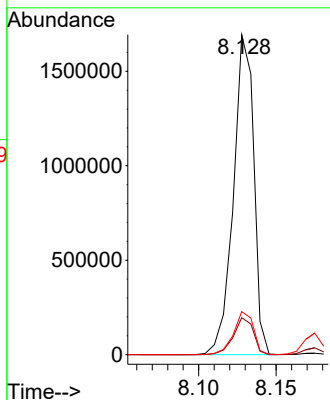
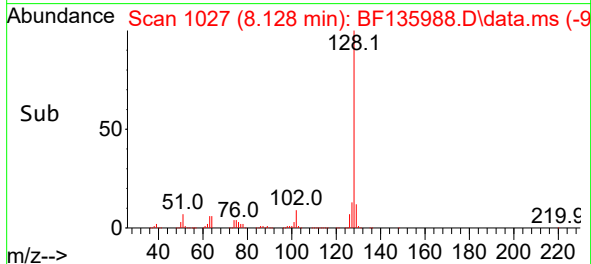
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:128 Resp: 154750  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.4 10.9 16.3

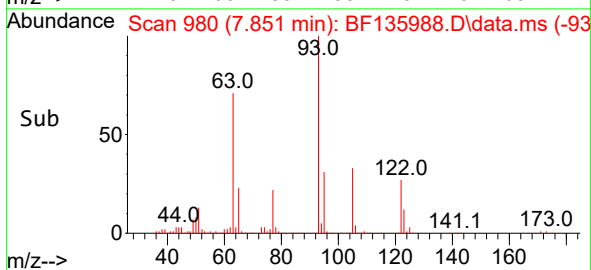
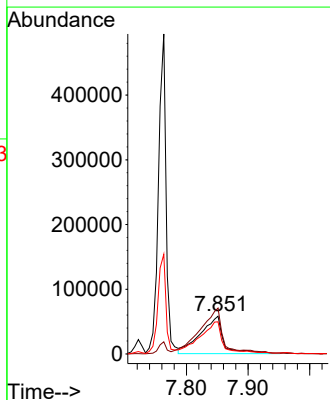
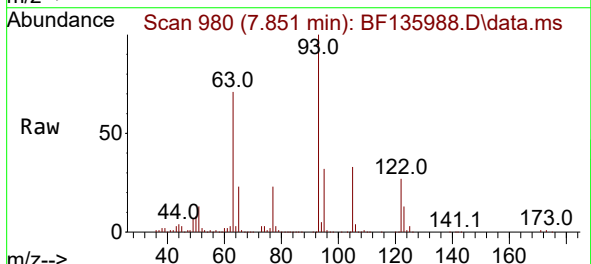
Manual Integrations  
APPROVED

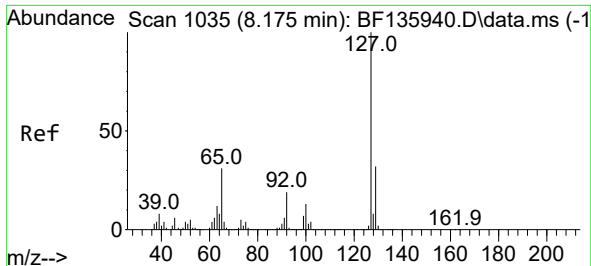
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#32  
Benzoic acid  
Concen: 37.944 ng m  
RT: 7.851 min Scan# 980  
Delta R.T. -0.018 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:122 Resp: 152181  
Ion Ratio Lower Upper  
122 100  
105 121.8 113.1 153.1  
77 85.2 75.2 115.2





#33  
4-Chloroaniline  
Concen: 6.909 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

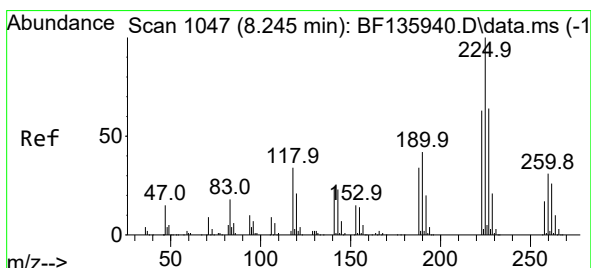
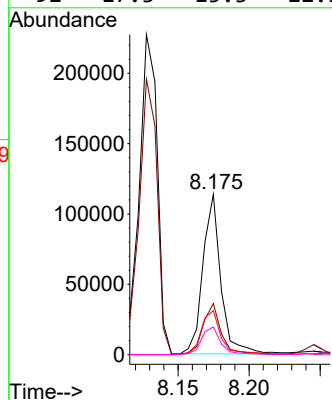
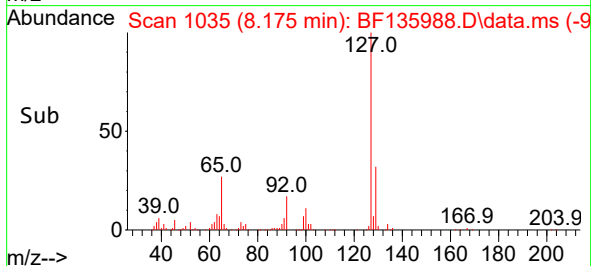
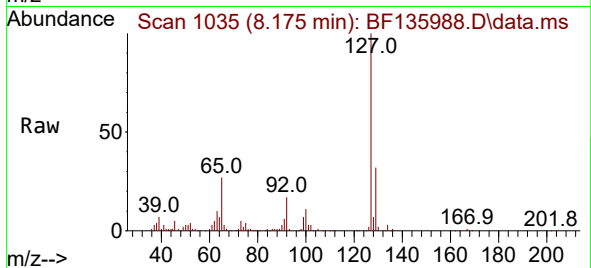
ClientSampleId :

TP-1MSD

Tgt Ion:127 Resp: 9997  
Ion Ratio Lower Upper  
127 100  
129 31.9 25.7 38.5  
65 27.4 24.8 37.2  
92 17.3 15.3 22.9

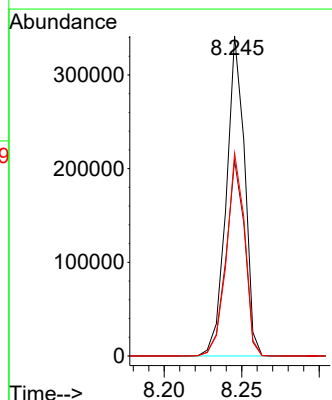
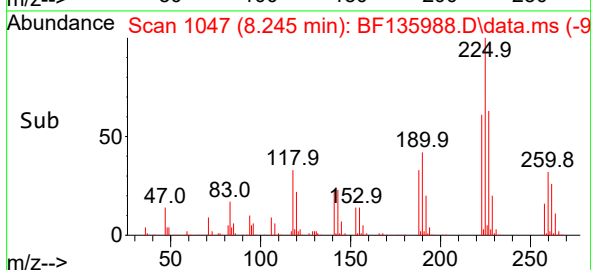
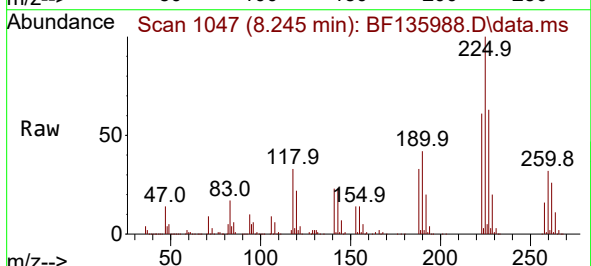
Manual Integrations  
APPROVED

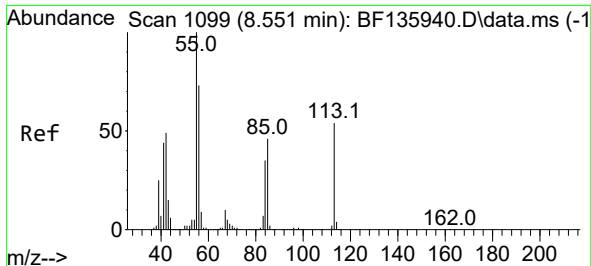
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#34  
Hexachlorobutadiene  
Concen: 50.222 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

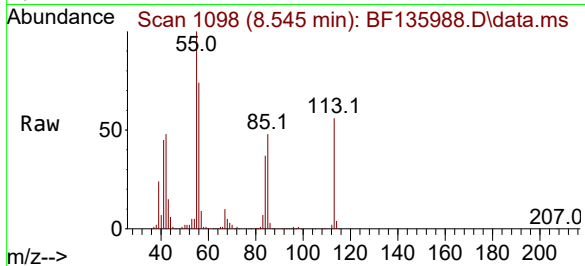
Tgt Ion:225 Resp: 279982  
Ion Ratio Lower Upper  
225 100  
223 61.1 50.6 75.8  
227 63.4 50.9 76.3





#35  
Caprolactam  
Concen: 47.088 ng m  
RT: 8.545 min Scan# 1099  
Delta R.T. -0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

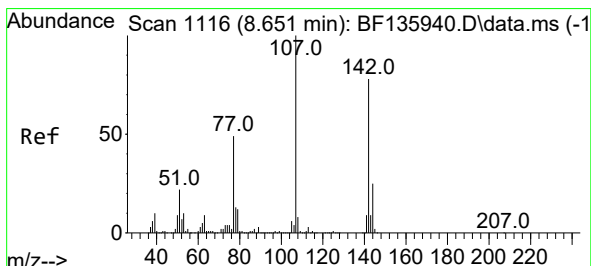
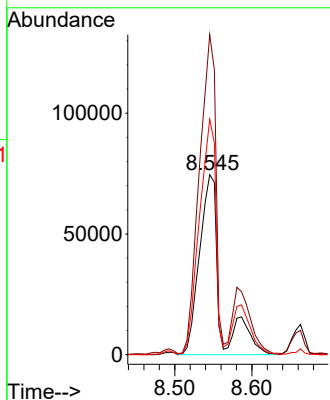
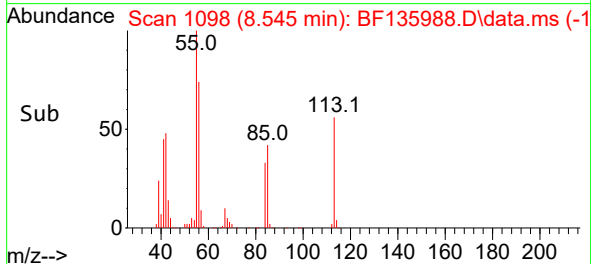
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:113 Resp: 13688  
Ion Ratio Lower Upper  
113 100  
55 177.7 165.4 205.4  
56 130.8 115.2 155.2

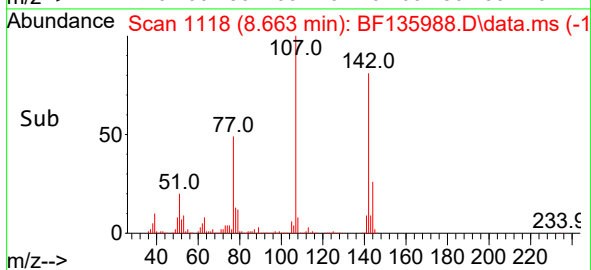
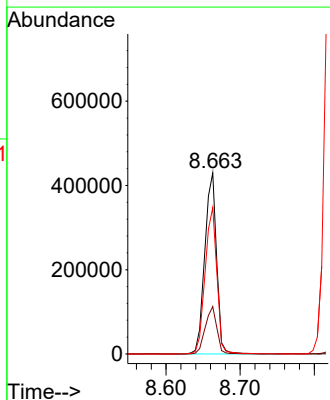
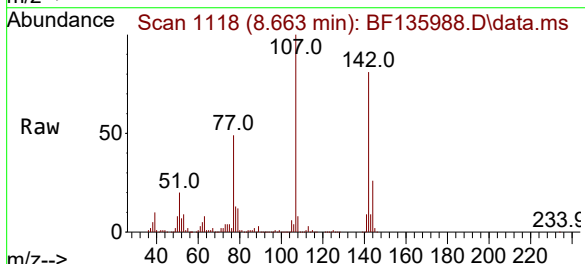
Manual Integrations  
APPROVED

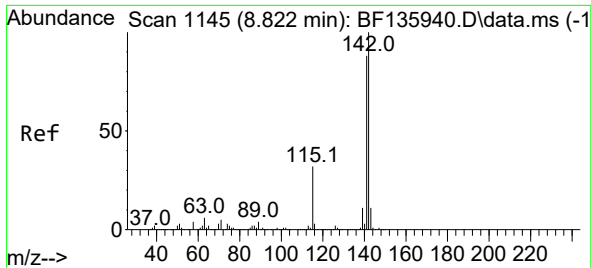
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#36  
4-Chloro-3-methylphenol  
Concen: 51.322 ng  
RT: 8.663 min Scan# 1118  
Delta R.T. 0.012 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:107 Resp: 476446  
Ion Ratio Lower Upper  
107 100  
144 26.1 19.9 29.9  
142 80.8 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 45.902 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

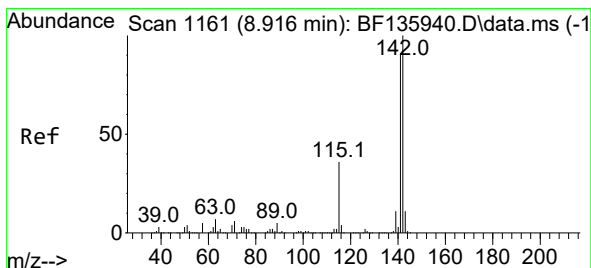
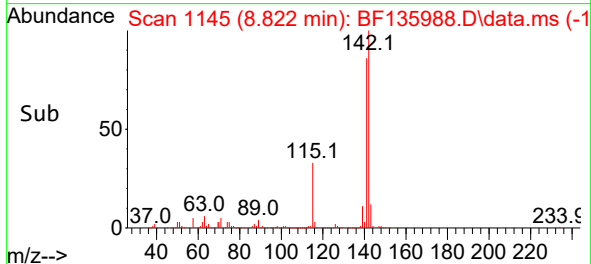
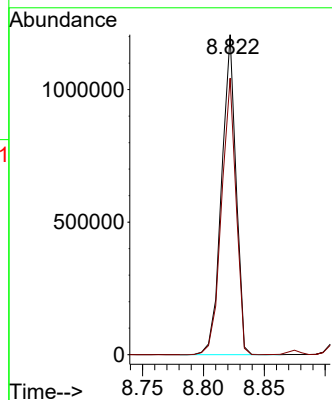
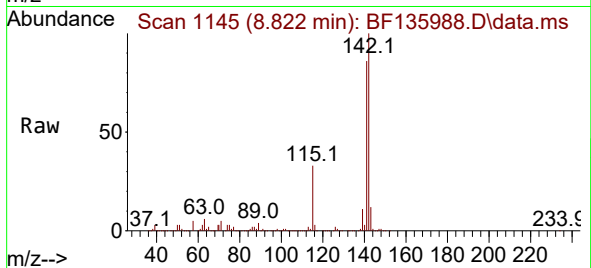
ClientSampleId :

TP-1MSD

Tgt Ion:142 Resp: 994295  
Ion Ratio Lower Upper  
142 100  
141 86.4 70.4 105.6

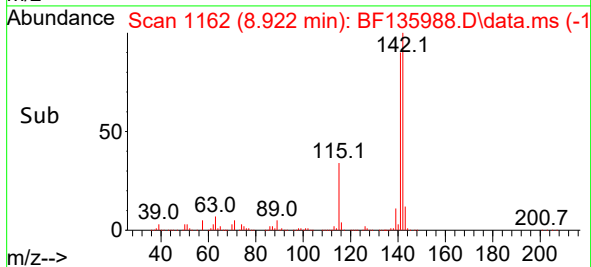
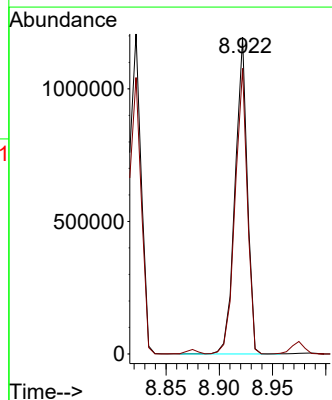
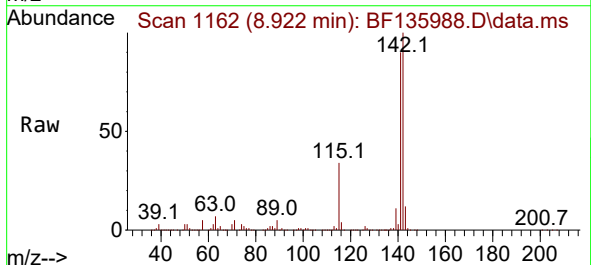
Manual Integrations  
APPROVED

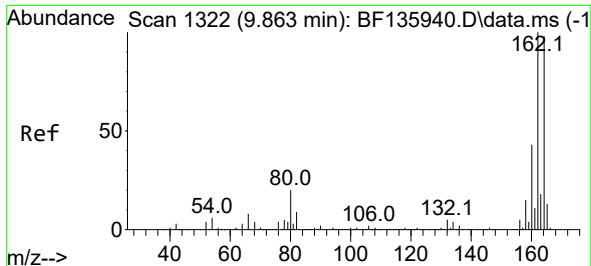
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#38  
1-Methylnaphthalene  
Concen: 47.163 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:142 Resp: 954595  
Ion Ratio Lower Upper  
142 100  
141 90.1 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: BF135988.D

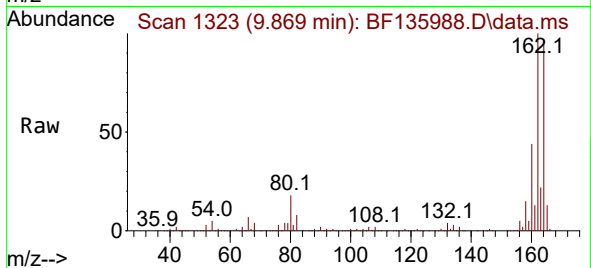
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD



Tgt Ion:164 Resp: 346598

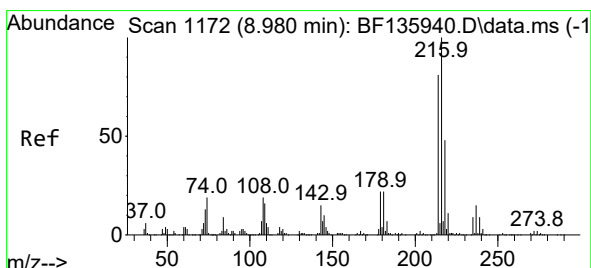
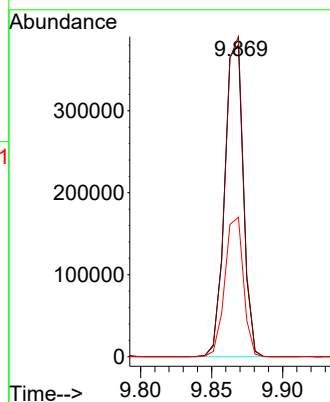
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.7 | 82.0  | 123.0 |
| 160 | 44.8  | 35.6  | 53.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.466 ng

RT: 8.987 min Scan# 1173

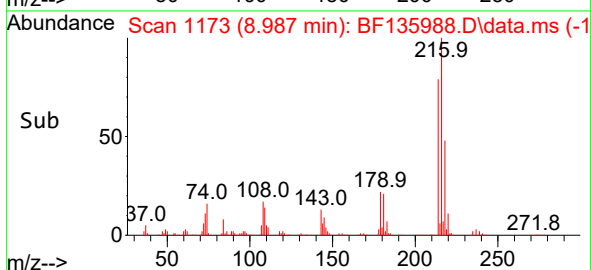
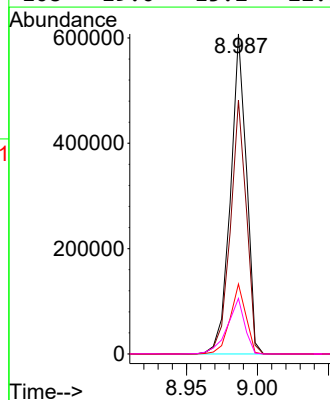
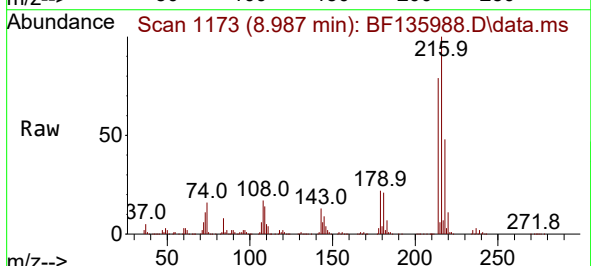
Delta R.T. 0.006 min

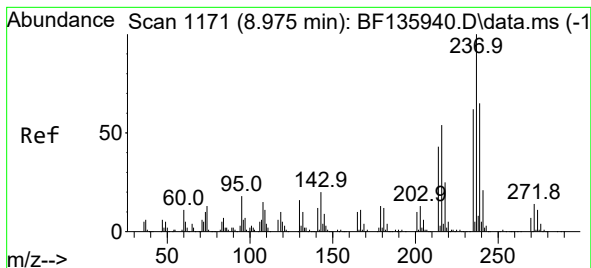
Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Tgt Ion:216 Resp: 474448

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 79.2  | 63.3  | 94.9  |
| 179 | 21.6  | 17.3  | 25.9  |
| 108 | 19.0  | 15.2  | 22.8  |





#41

Hexachlorocyclopentadiene

Concen: 66.673 ng

RT: 8.975 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:237 Resp: 321820

Ion Ratio Lower Upper

237 100

235 64.0 41.7 81.7

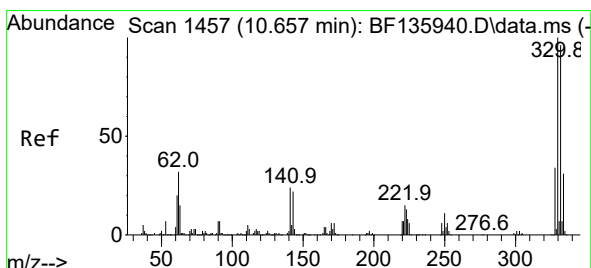
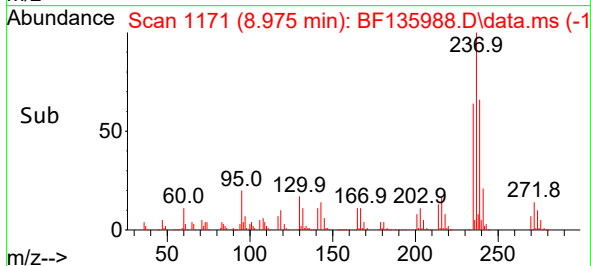
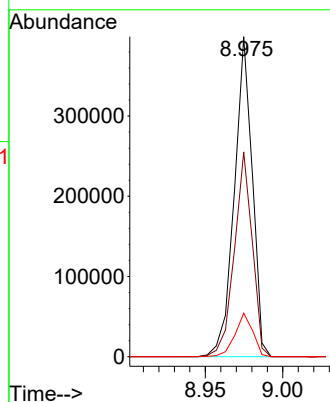
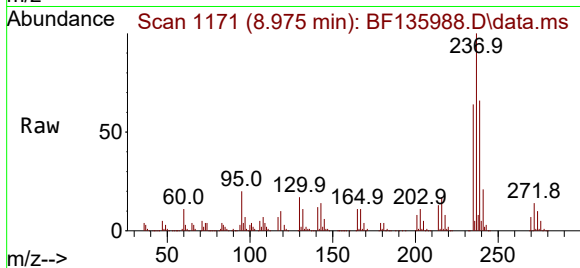
272 13.6 0.0 33.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#42

2,4,6-Tribromophenol

Concen: 150.360 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

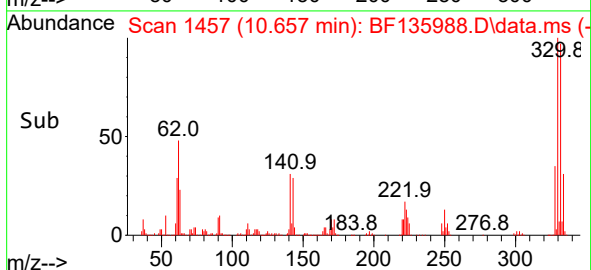
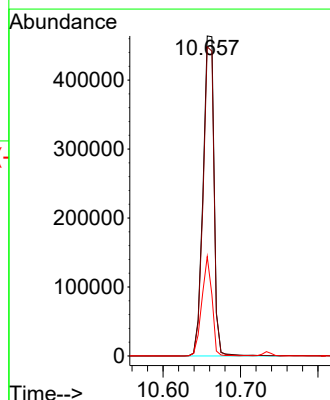
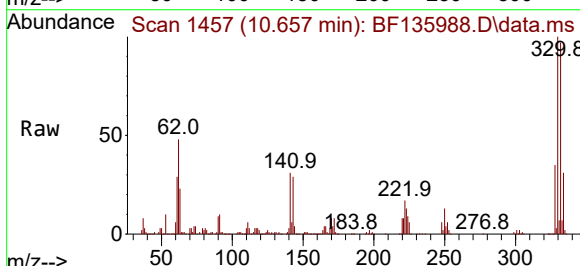
Tgt Ion:330 Resp: 456156

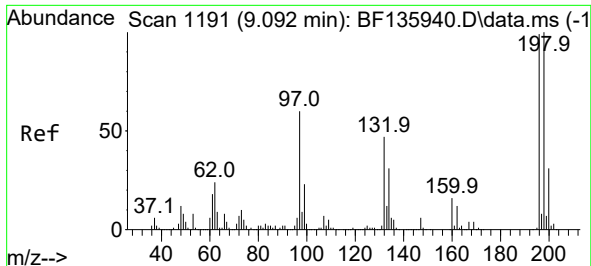
Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

141 28.7 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 54.764 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:196 Resp: 313775

Ion Ratio Lower Upper

196 100

198 101.3 81.0 121.4

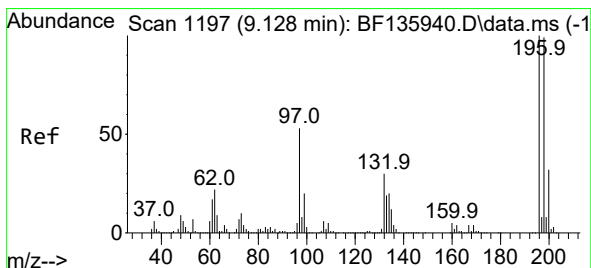
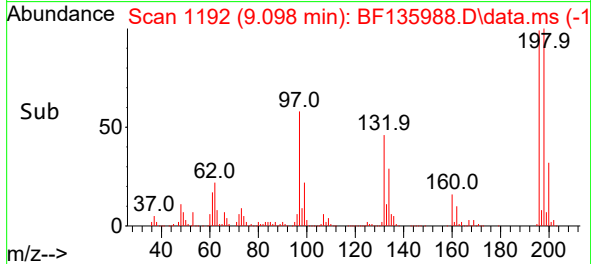
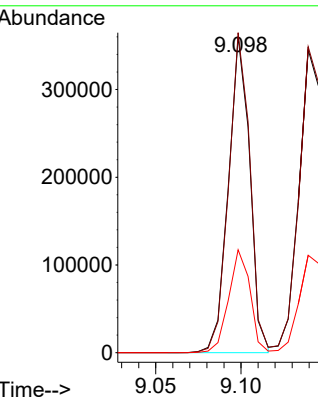
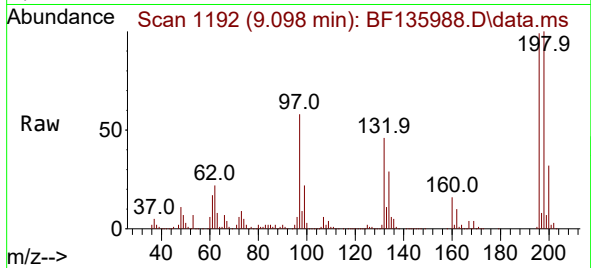
200 32.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#44

2,4,5-Trichlorophenol

Concen: 49.468 ng

RT: 9.139 min Scan# 1199

Delta R.T. 0.012 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Tgt Ion:196 Resp: 336524

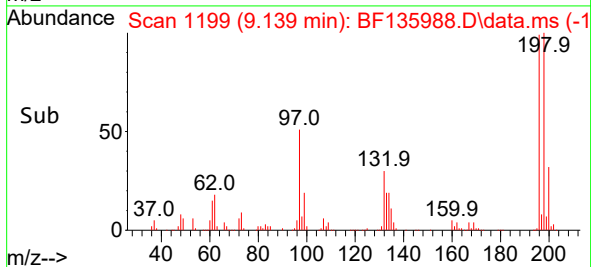
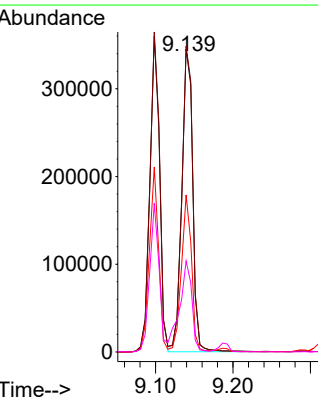
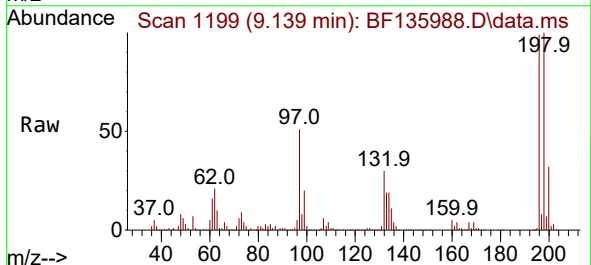
Ion Ratio Lower Upper

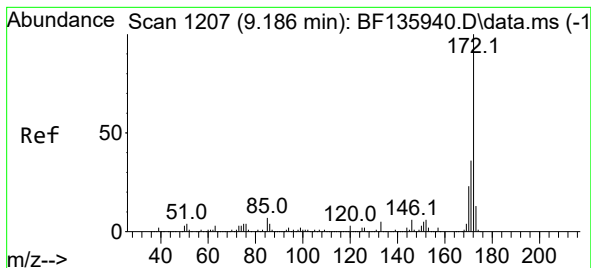
196 100

198 101.0 79.1 118.7

97 51.8 42.3 63.5

132 30.1 24.0 36.0





#45

2-Fluorobiphenyl

Concen: 88.159 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:172 Resp: 1908240

Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

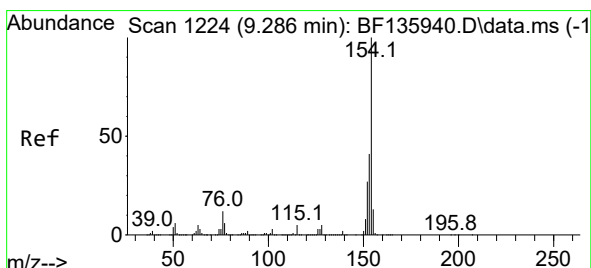
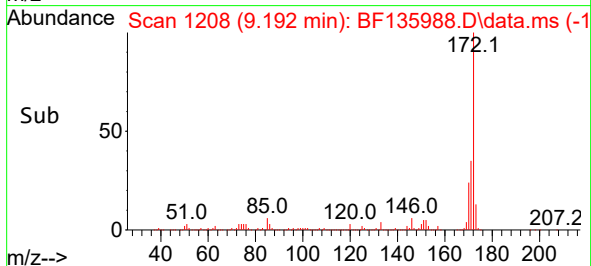
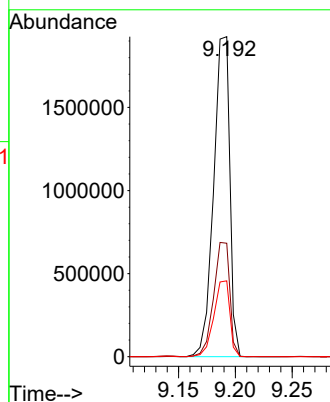
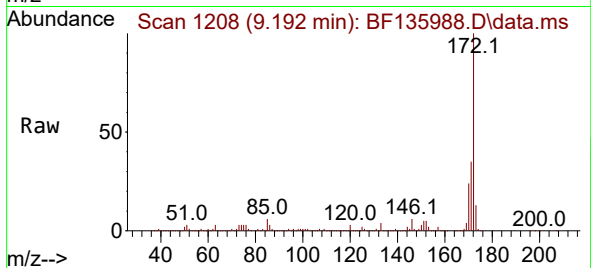
170 23.7 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#46

1,1'-Biphenyl

Concen: 48.260 ng

RT: 9.287 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

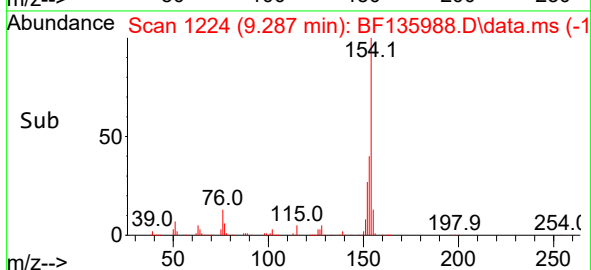
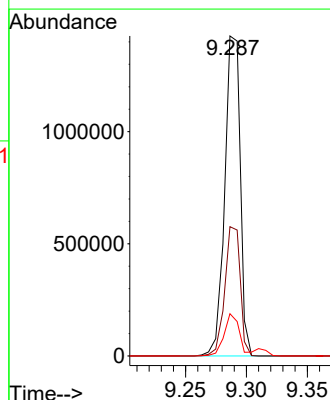
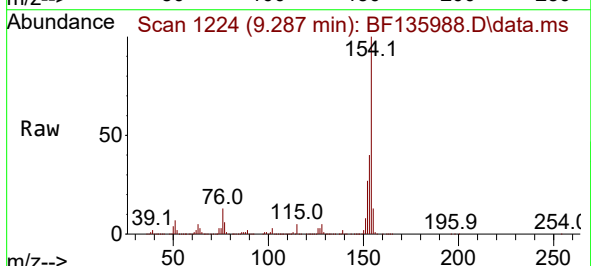
Tgt Ion:154 Resp: 1267443

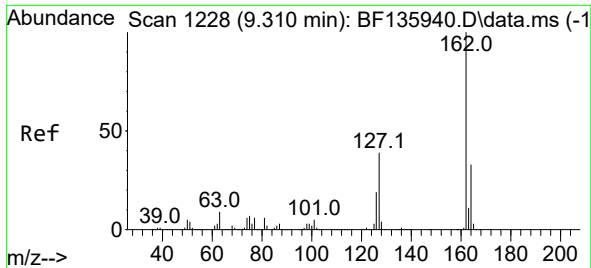
Ion Ratio Lower Upper

154 100

153 40.4 20.7 60.7

76 13.2 0.0 32.4





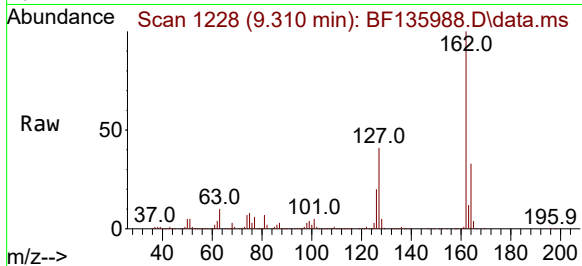
#47  
2-Chloronaphthalene  
Concen: 49.417 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

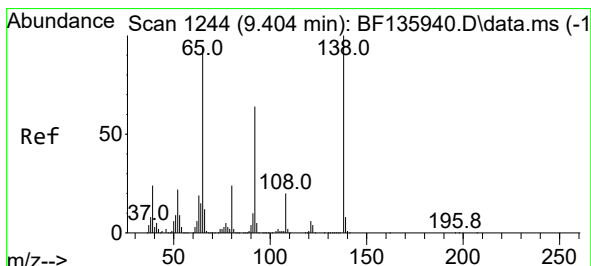
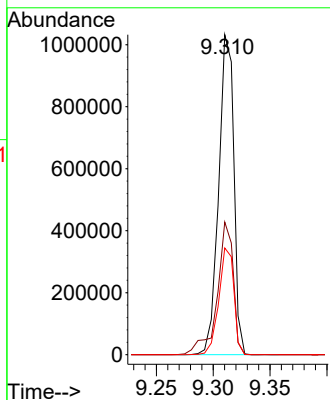
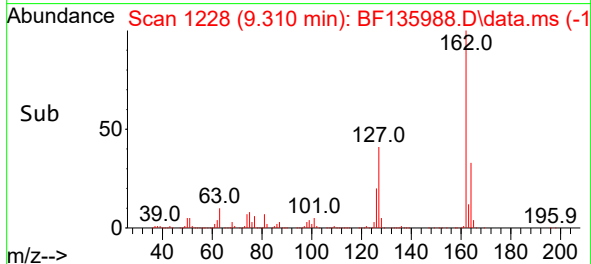
TP-1MSD



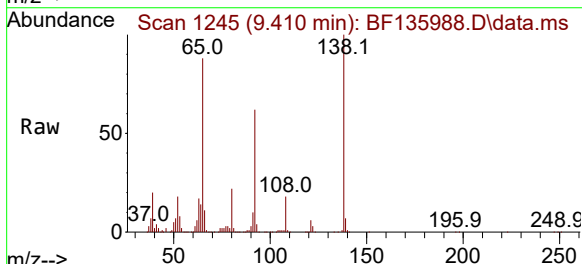
Tgt Ion:162 Resp: 959960  
Ion Ratio Lower Upper  
162 100  
127 41.5 31.0 46.4  
164 33.3 26.6 39.8

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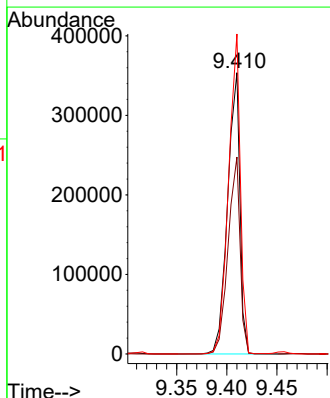
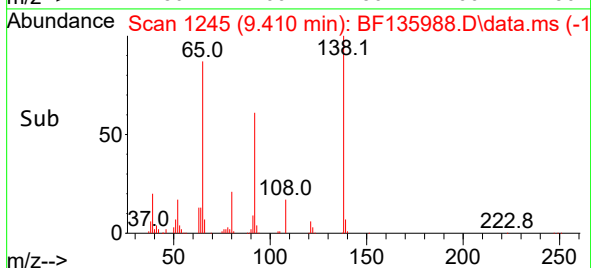
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

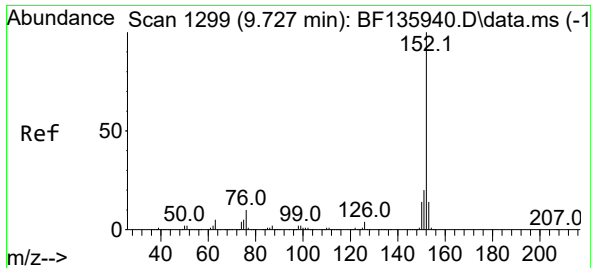


#48  
2-Nitroaniline  
Concen: 54.924 ng  
RT: 9.410 min Scan# 1245  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



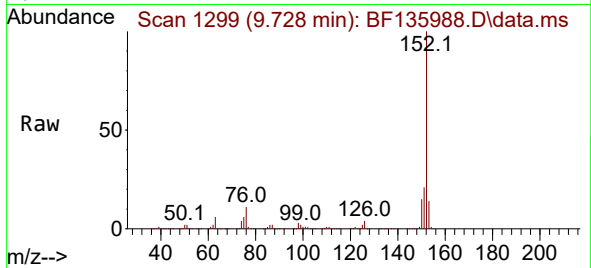
Tgt Ion: 65 Resp: 301266  
Ion Ratio Lower Upper  
65 100  
92 70.0 54.9 82.3  
138 113.8 85.2 127.8





#49  
Acenaphthylene  
Concen: 48.722 ng  
RT: 9.728 min Scan# 1299  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

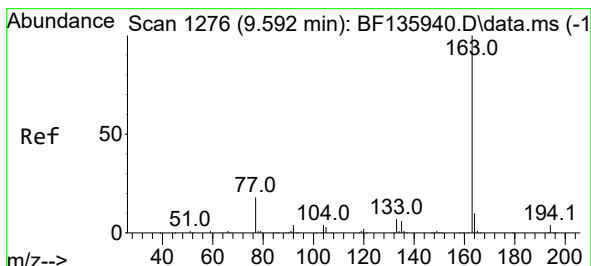
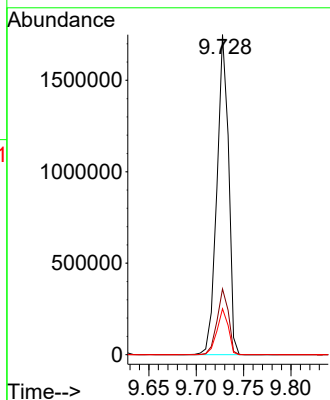
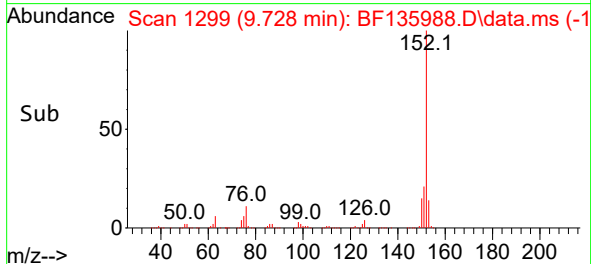
Instrument :  
BNA\_F  
Client SampleId :  
TP-1MSD



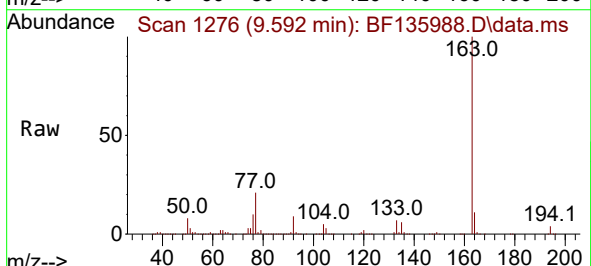
Tgt Ion:152 Resp: 149313  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.0 24.0  
153 14.4 11.0 16.6

Manual Integrations  
APPROVED

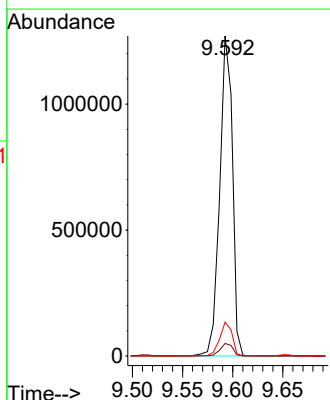
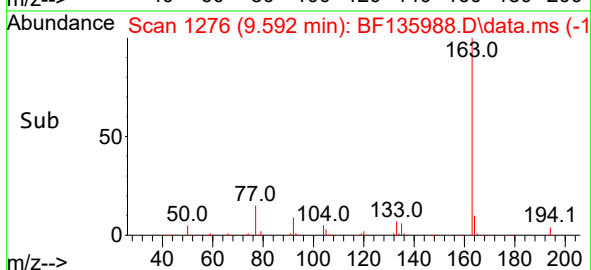
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

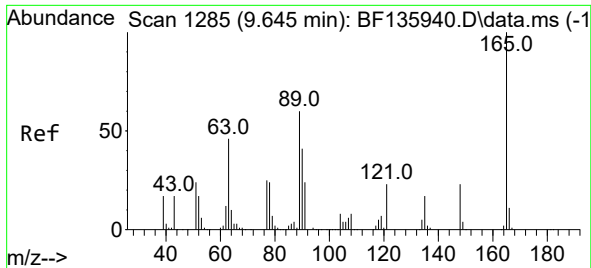


#50  
Dimethylphthalate  
Concen: 49.616 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



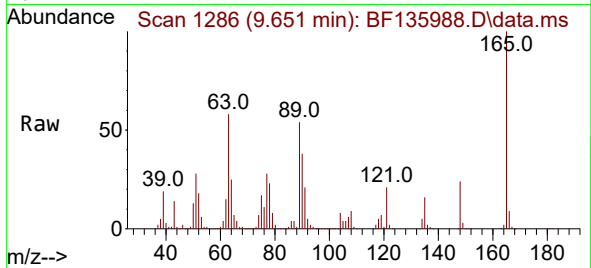
Tgt Ion:163 Resp: 1115199  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.4 5.0  
164 10.5 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 53.315 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

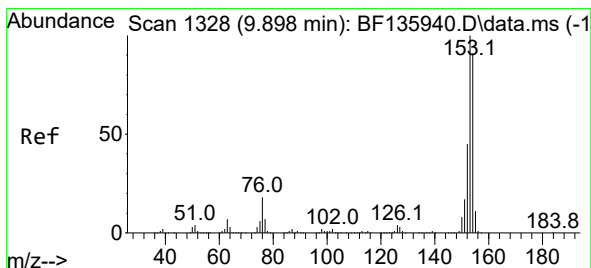
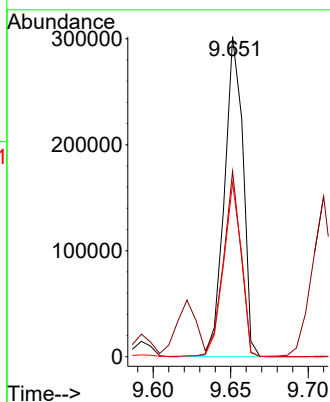
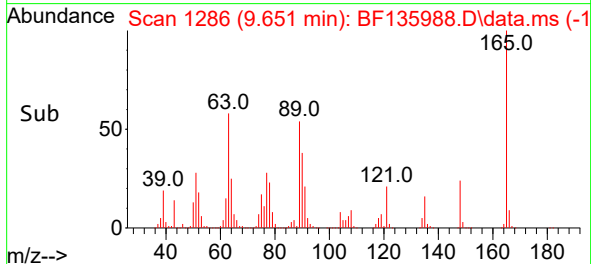
Instrument :  
BNA\_F  
Client SampleId :  
TP-1MSD



Tgt Ion:165 Resp: 251230  
Ion Ratio Lower Upper  
165 100  
63 57.9 51.7 77.5  
89 54.5 48.3 72.5

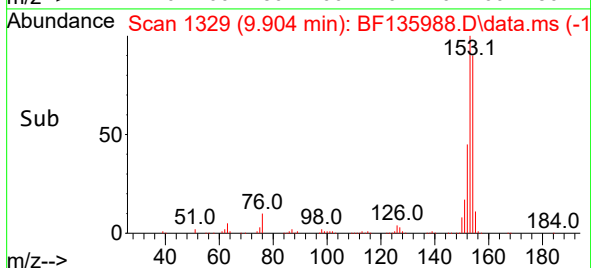
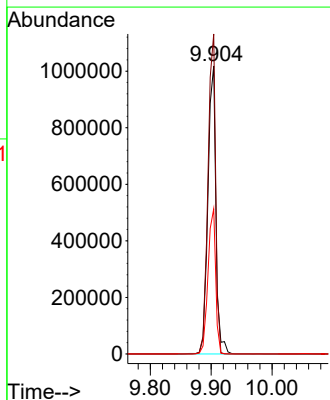
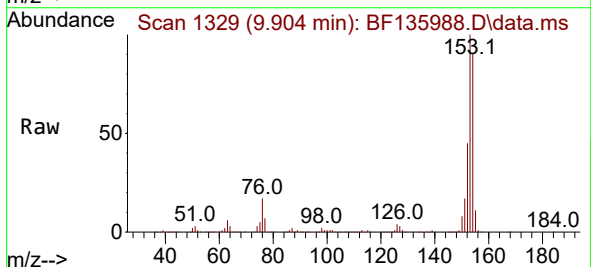
Manual Integrations  
APPROVED

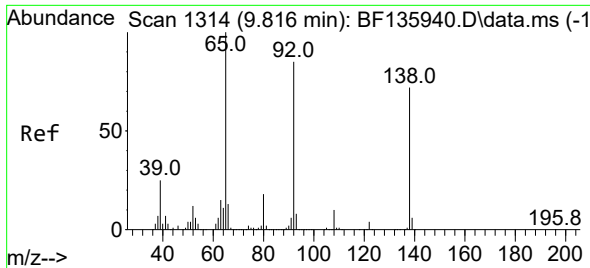
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#52  
Acenaphthene  
Concen: 47.304 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:154 Resp: 929049  
Ion Ratio Lower Upper  
154 100  
153 111.1 88.0 132.0  
152 50.4 39.4 59.2





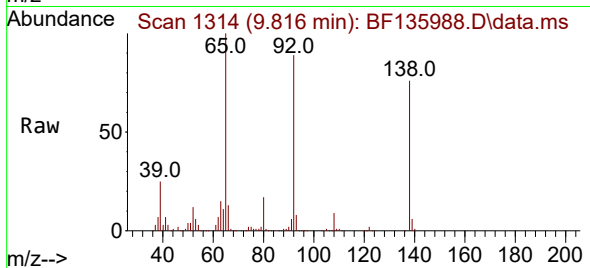
#53  
3-Nitroaniline  
Concen: 31.991 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

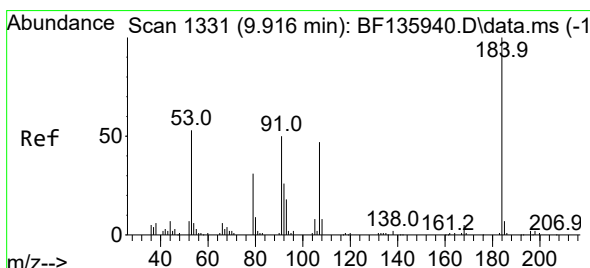
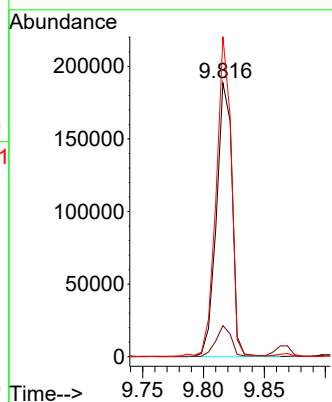
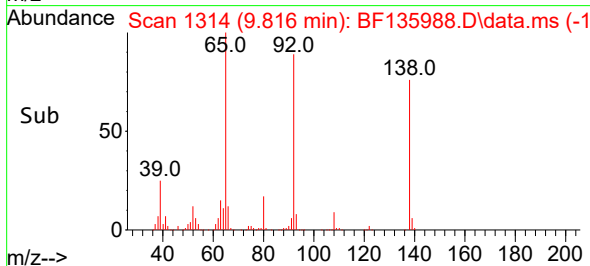


Tgt Ion:138 Resp: 16900  
Ion Ratio Lower Upper  
138 100  
108 11.3 11.3 16.9  
92 116.9 95.0 142.6

Manual Integrations

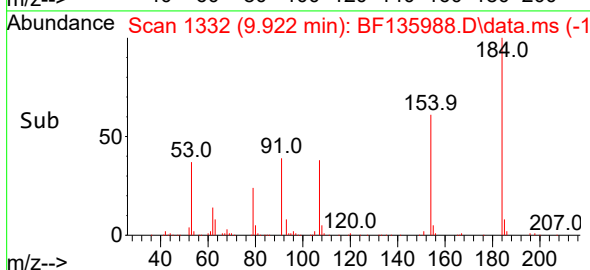
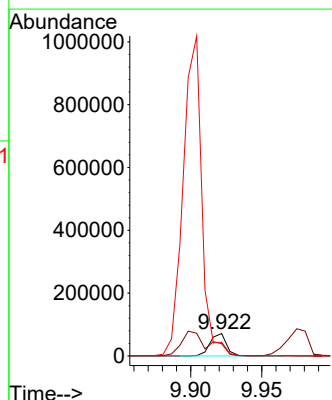
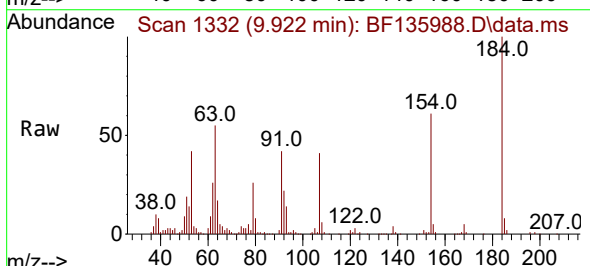
APPROVED

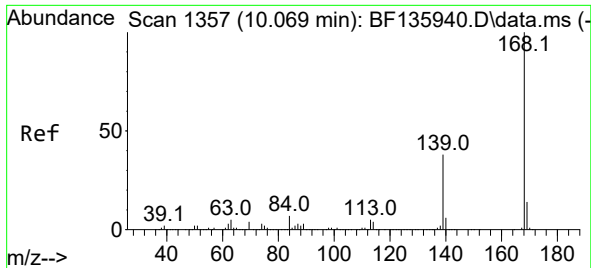
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#54  
2,4-Dinitrophenol  
Concen: 49.446 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

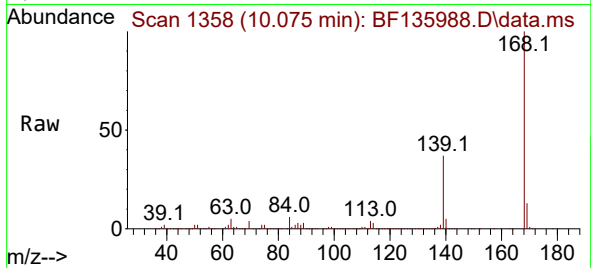
Tgt Ion:184 Resp: 57720  
Ion Ratio Lower Upper  
184 100  
63 55.1 56.3 84.5#  
154 61.3 48.1 72.1





#55  
Dibenzenofuran  
Concen: 46.755 ng  
RT: 10.075 min Scan# 1357  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

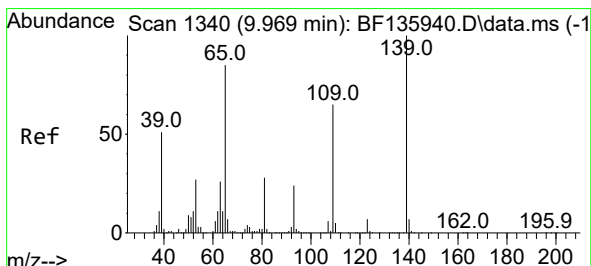
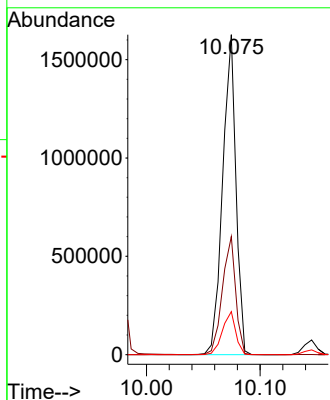
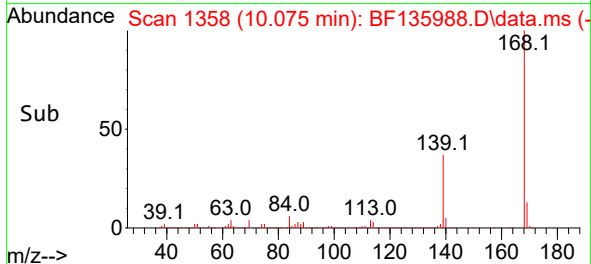
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:168 Resp: 1326579  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.7 46.1  
169 13.5 11.1 16.7

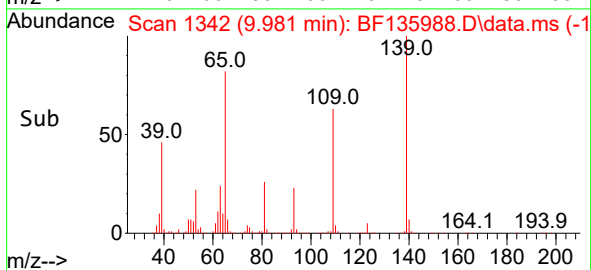
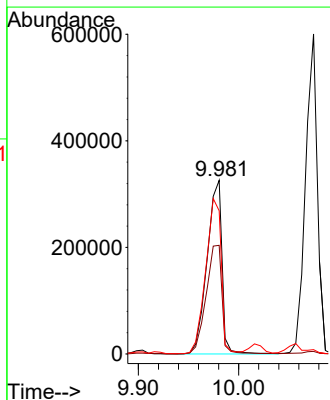
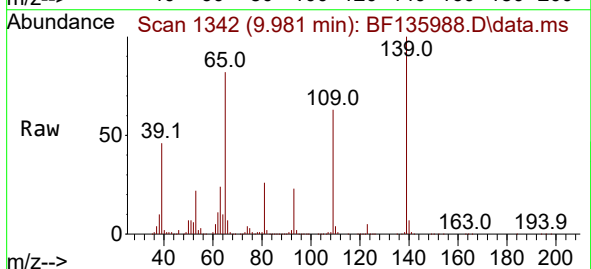
Manual Integrations  
APPROVED

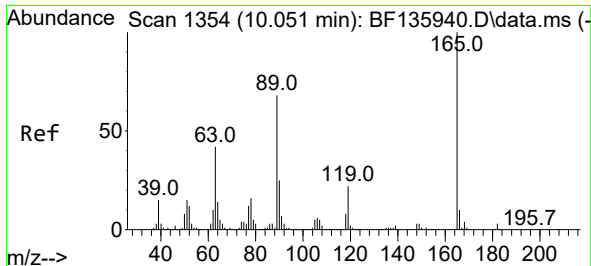
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#56  
4-Nitrophenol  
Concen: 74.924 ng  
RT: 9.981 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

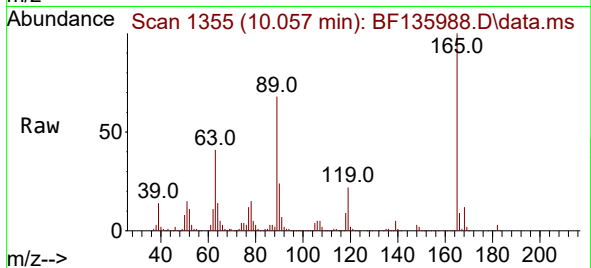
Tgt Ion:139 Resp: 337798  
Ion Ratio Lower Upper  
139 100  
109 62.6 45.2 85.2  
65 82.5 65.1 105.1





#57  
2,4-Dinitrotoluene  
Concen: 54.393 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

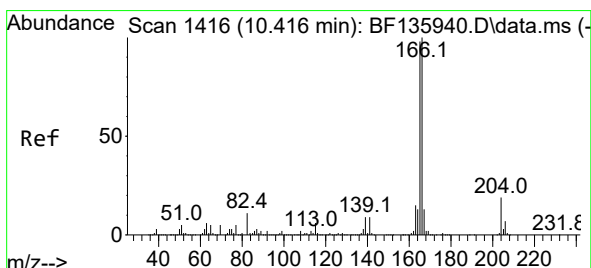
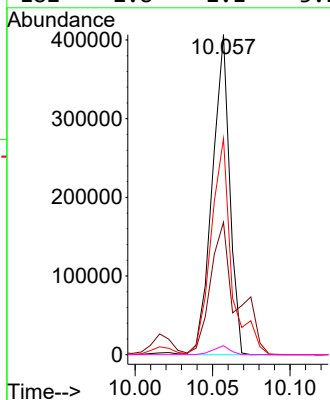
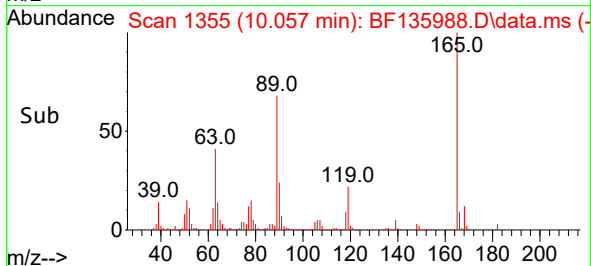
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



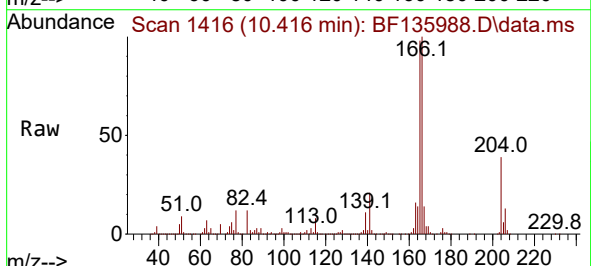
Tgt Ion:165 Resp: 31883  
Ion Ratio Lower Upper  
165 100  
63 41.4 33.7 50.5  
89 67.5 54.6 81.8  
182 2.8 2.1 3.1

Manual Integrations  
APPROVED

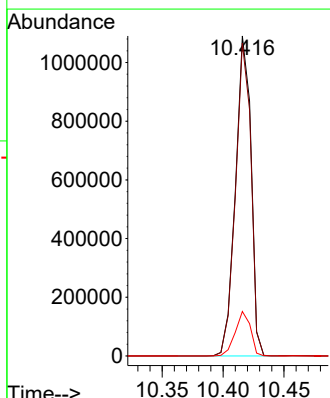
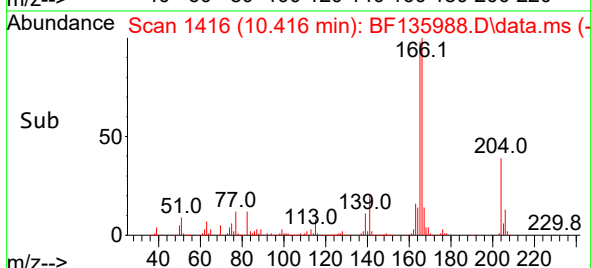
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

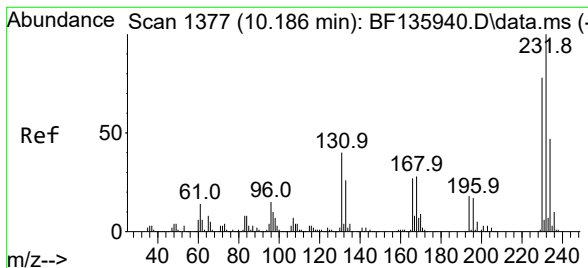


#58  
Fluorene  
Concen: 45.711 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



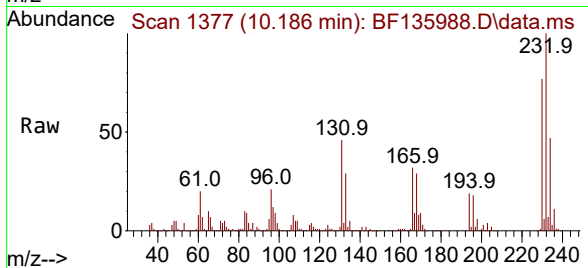
Tgt Ion:166 Resp: 970328  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.0 117.0  
167 13.9 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.521 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

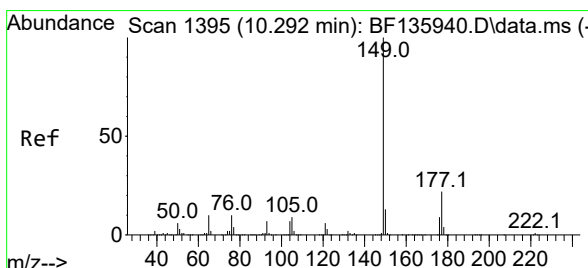
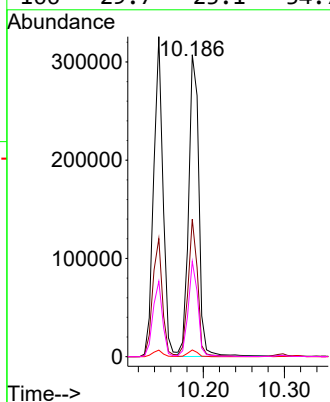
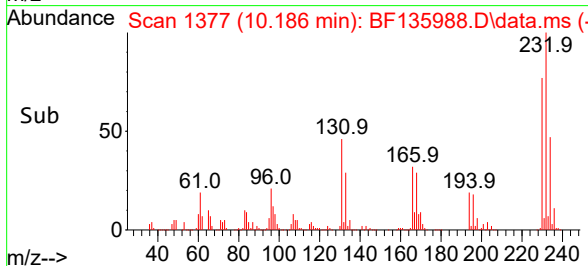
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



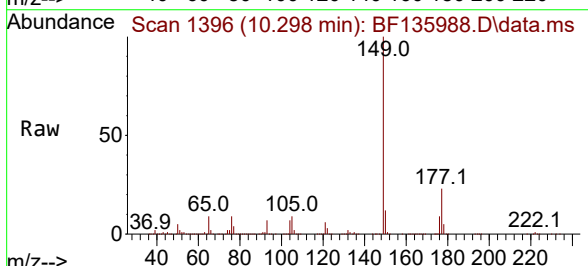
Tgt Ion:232 Resp: 268858  
Ion Ratio Lower Upper  
232 100  
131 42.1 35.2 52.8  
130 2.1 1.7 2.5  
166 29.7 23.1 34.7

Manual Integrations  
APPROVED

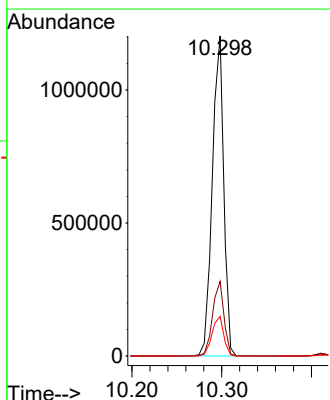
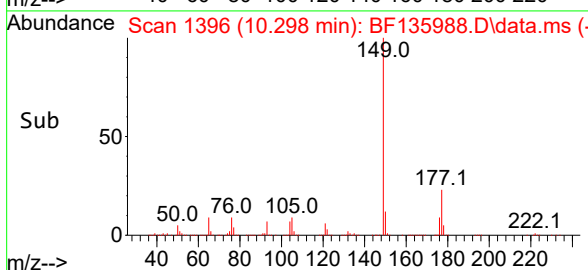
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

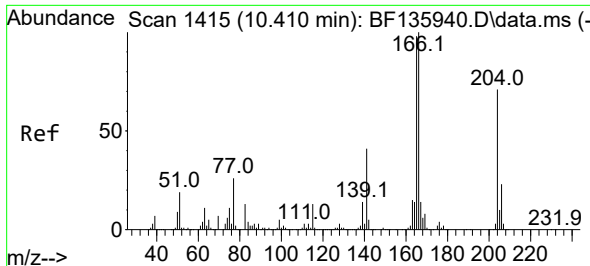


#60  
Diethylphthalate  
Concen: 49.679 ng  
RT: 10.298 min Scan# 1396  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:149 Resp: 1064805  
Ion Ratio Lower Upper  
149 100  
177 23.3 17.9 26.9  
150 12.3 10.2 15.2





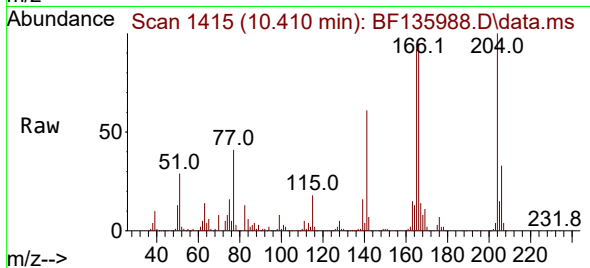
#61  
4-Chlorophenyl-phenylether  
Concen: 46.878 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

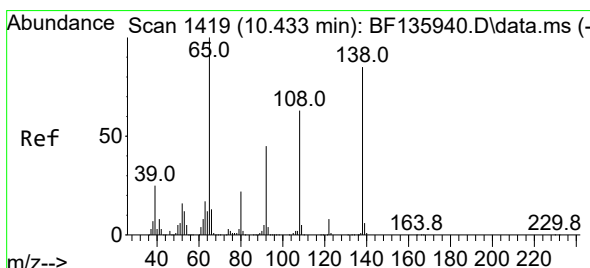
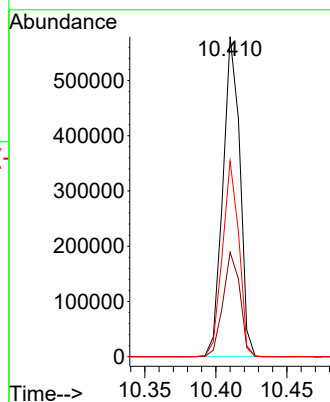
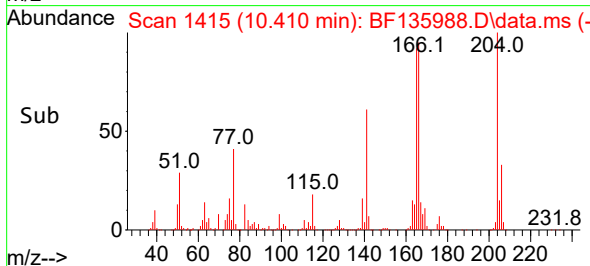


Tgt Ion:204 Resp: 48000  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.4 39.6  
141 61.2 46.2 69.2

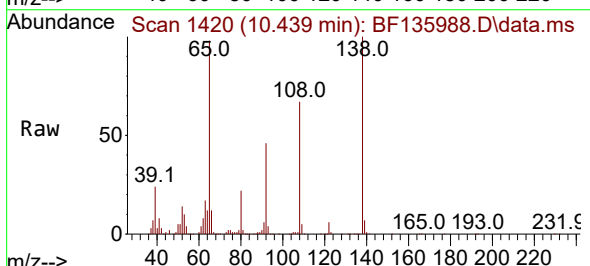
Manual Integrations

APPROVED

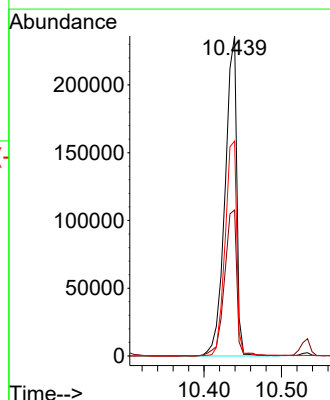
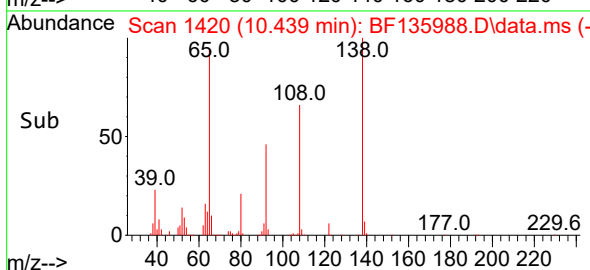
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

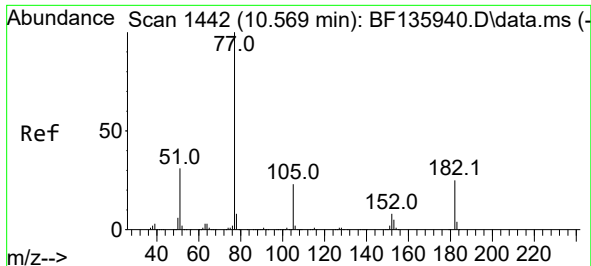


#62  
4-Nitroaniline  
Concen: 45.265 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



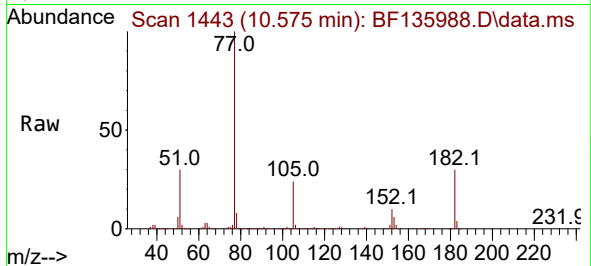
Tgt Ion:138 Resp: 248284  
Ion Ratio Lower Upper  
138 100  
92 45.6 32.9 72.9  
108 67.2 53.5 93.5





#63  
Azobenzene  
Concen: 46.040 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

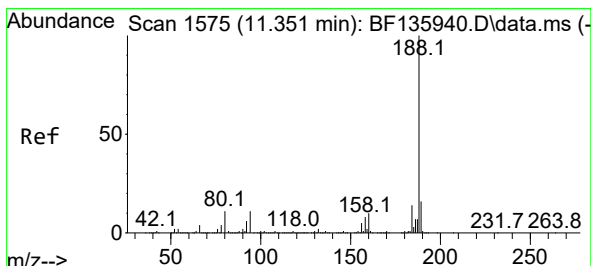
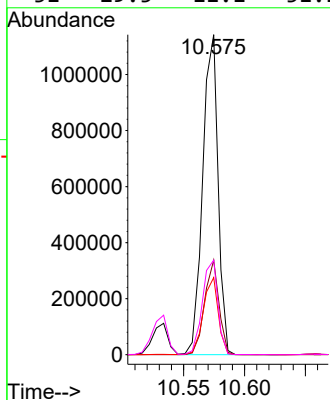
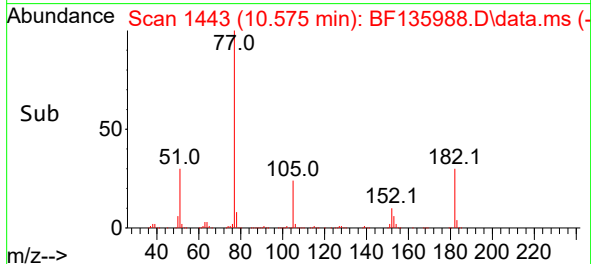
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



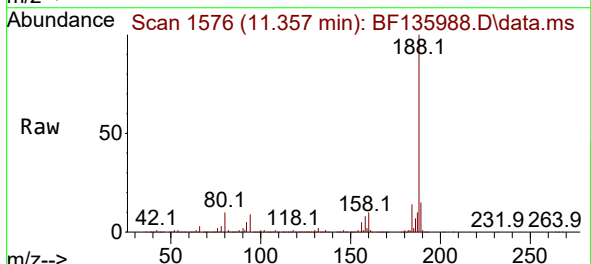
Tgt Ion: 77 Resp: 100143  
Ion Ratio Lower Upper  
77 100  
182 29.6 5.1 45.1  
105 24.1 2.8 42.8  
51 29.5 11.1 51.1

Manual Integrations  
APPROVED

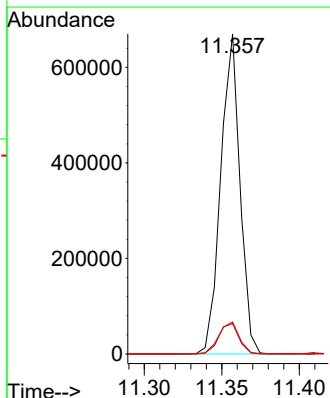
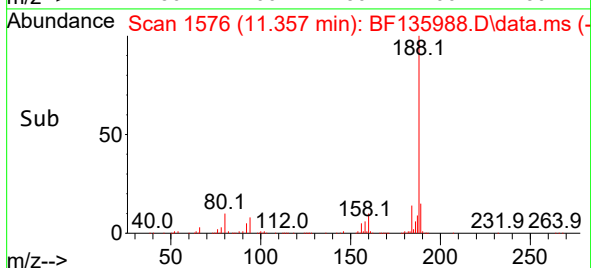
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

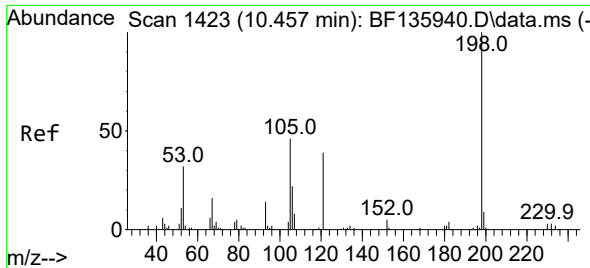


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:188 Resp: 577210  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.6 13.0  
80 10.0 9.0 13.6





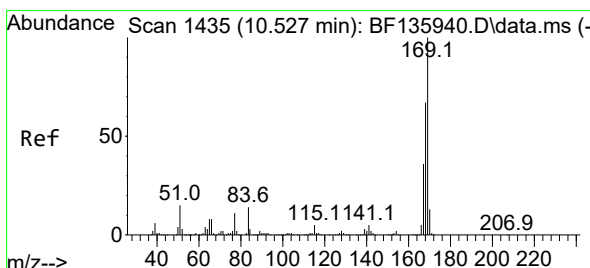
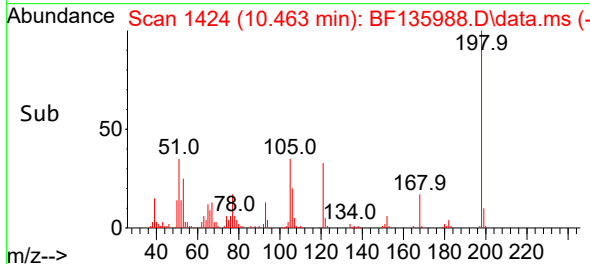
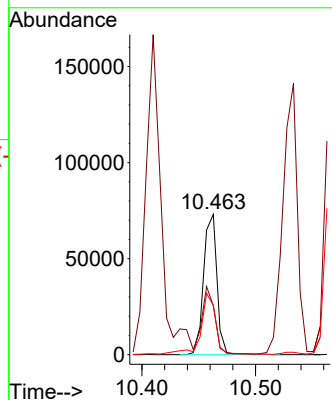
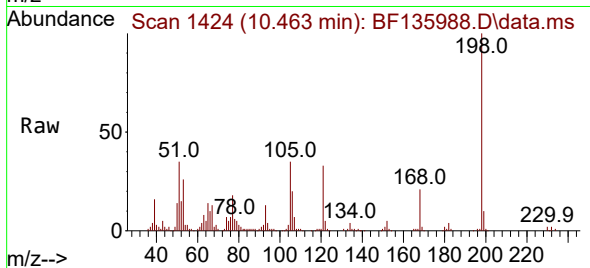
#65  
4,6-Dinitro-2-methylphenol  
Concen: 37.017 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD

Tgt Ion:198 Resp: 5967  
Ion Ratio Lower Upper  
198 100  
51 34.8 28.7 68.7  
105 35.2 27.2 67.2

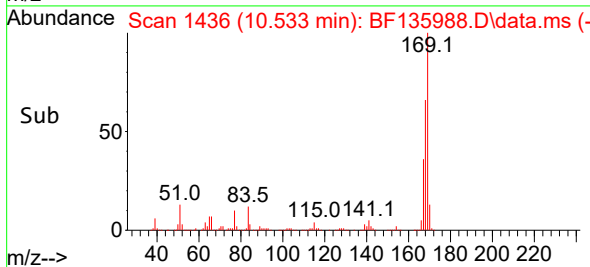
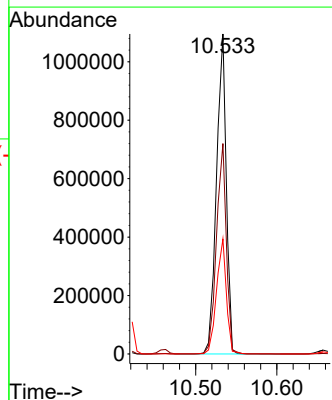
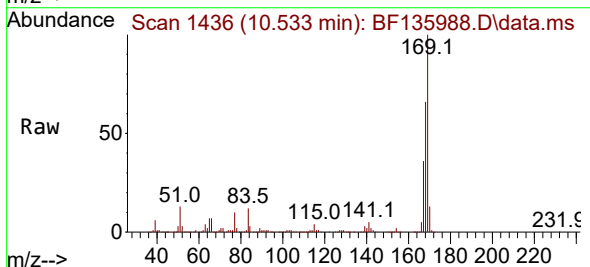
Manual Integrations  
APPROVED

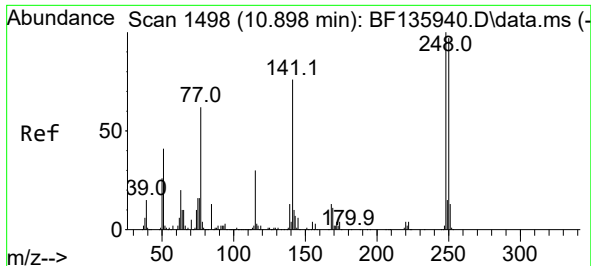
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#66  
n-Nitrosodiphenylamine  
Concen: 52.505 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

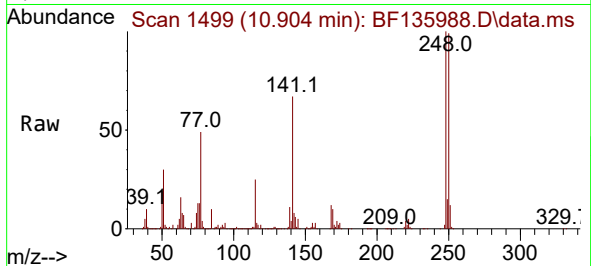
Tgt Ion:169 Resp: 915563  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.5 80.3  
167 36.0 29.0 43.4





#67  
4-Bromophenyl-phenylether  
Concen: 53.550 ng  
RT: 10.904 min Scan# 1498  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

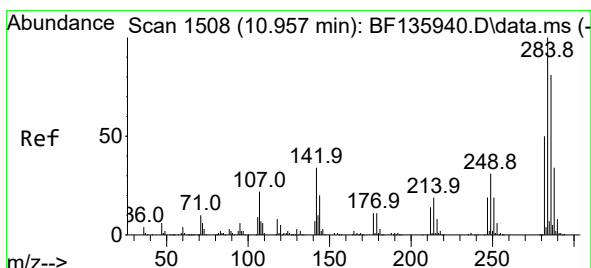
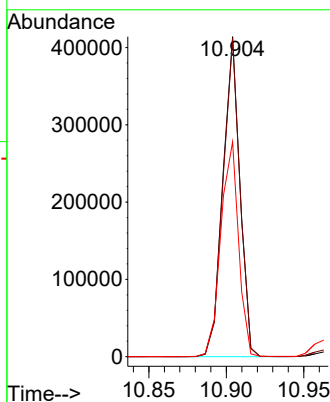
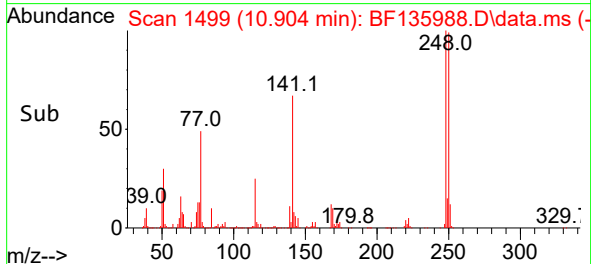
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



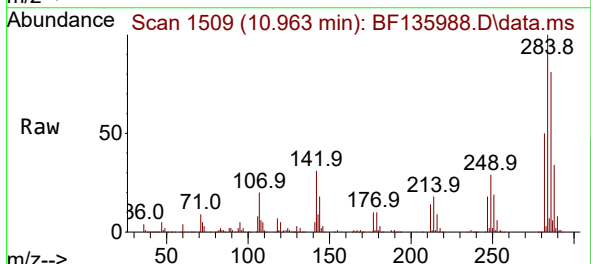
Tgt Ion:248 Resp: 316550  
Ion Ratio Lower Upper  
248 100  
250 99.5 77.9 116.9  
141 67.1 60.8 91.2

Manual Integrations  
APPROVED

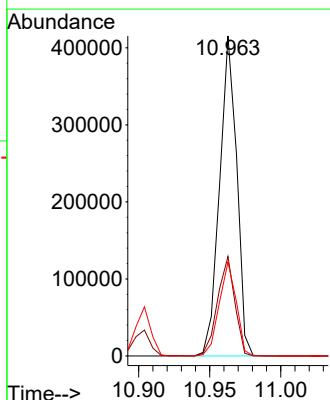
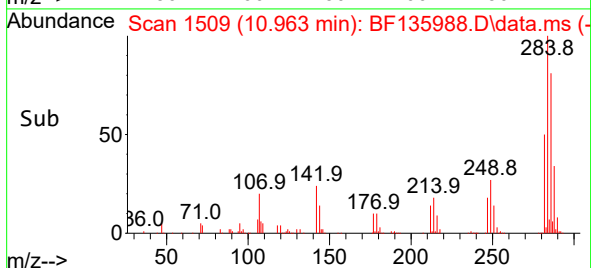
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

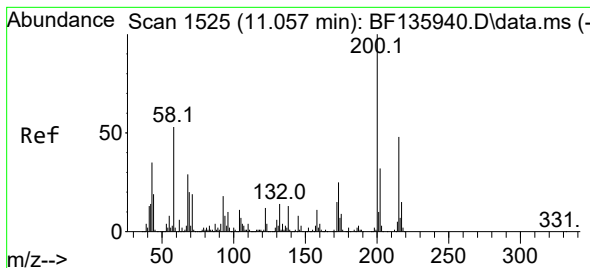


#68  
Hexachlorobenzene  
Concen: 55.050 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:284 Resp: 347620  
Ion Ratio Lower Upper  
284 100  
142 31.1 27.6 41.4  
249 29.3 24.7 37.1





#69

Atrazine

Concen: 66.092 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:200 Resp: 314172

Ion Ratio Lower Upper

200 100

173 26.8 5.5 45.5

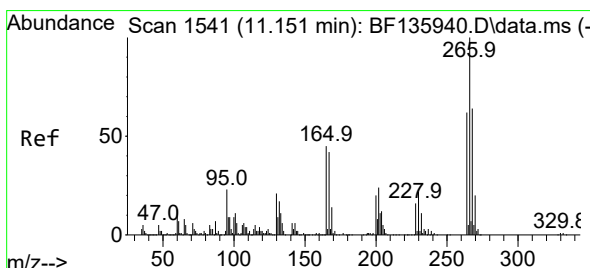
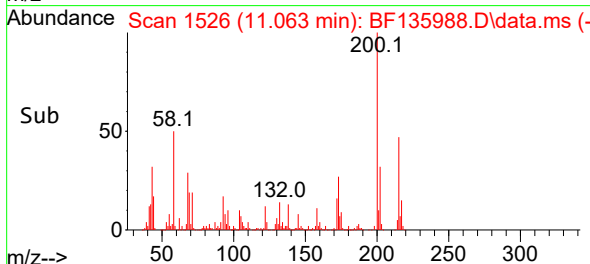
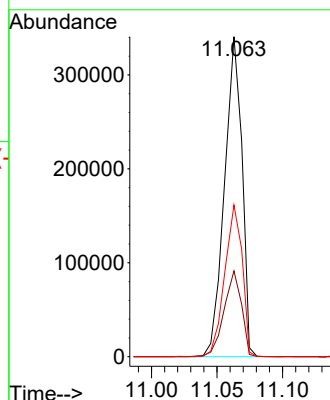
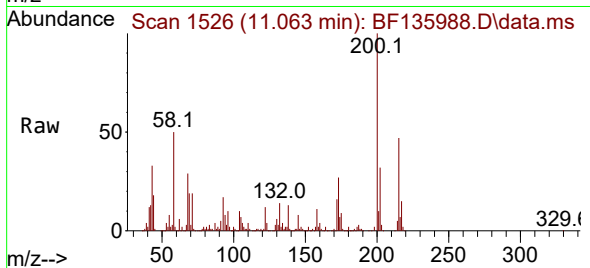
215 47.4 27.5 67.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#70

Pentachlorophenol

Concen: 64.398 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

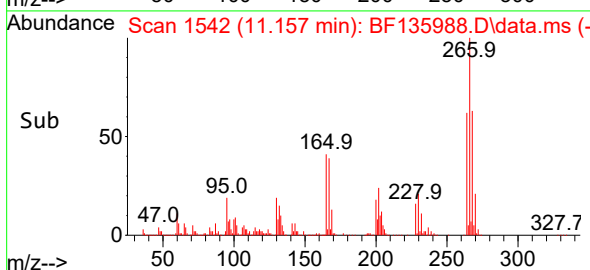
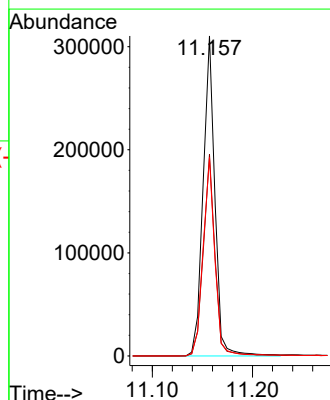
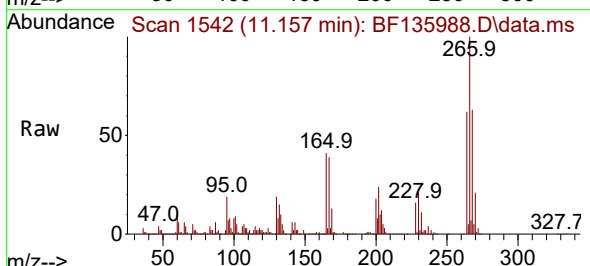
Tgt Ion:266 Resp: 254348

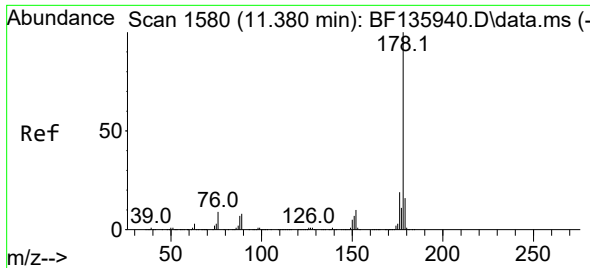
Ion Ratio Lower Upper

266 100

268 63.0 50.8 76.2

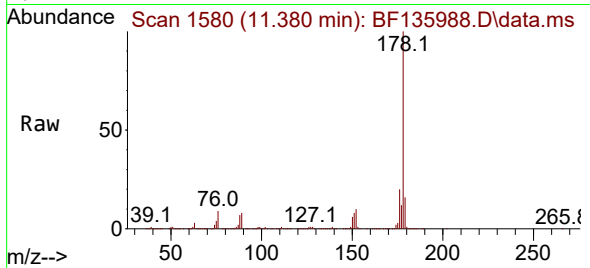
264 62.0 49.8 74.6





#71  
Phenanthrene  
Concen: 48.891 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

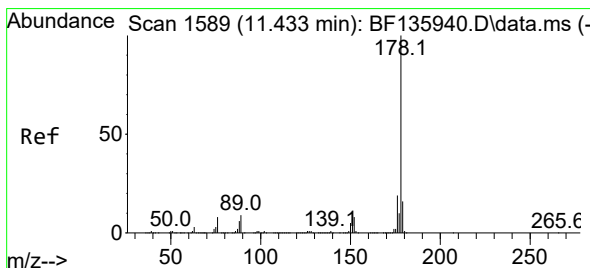
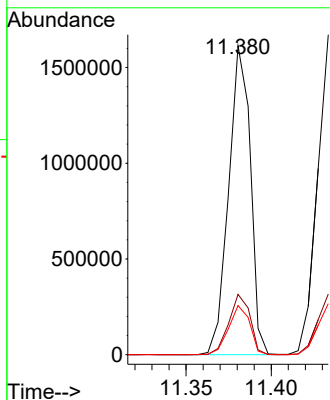
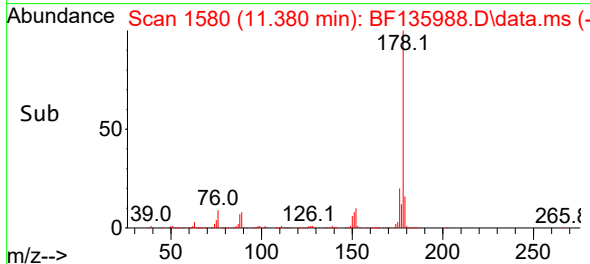
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:178 Resp: 1427744  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.2  
179 15.9 12.5 18.7

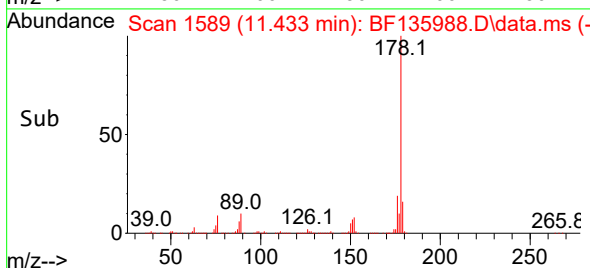
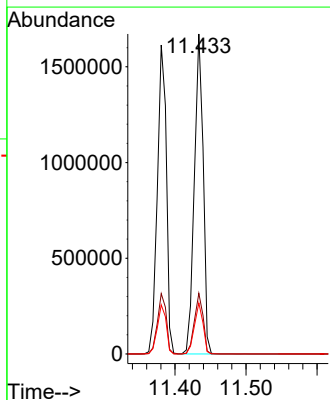
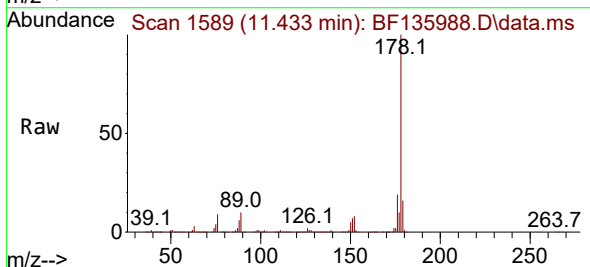
Manual Integrations  
APPROVED

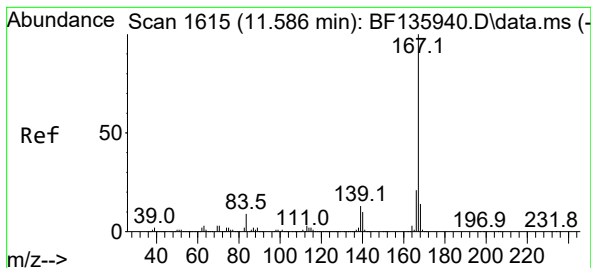
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#72  
Anthracene  
Concen: 48.384 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:178 Resp: 1446736  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.9 22.3  
179 15.9 12.5 18.7





#73

Carbazole

Concen: 45.440 ng

RT: 11.592 min Scan# 1616

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD

Tgt Ion:167 Resp: 121203

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

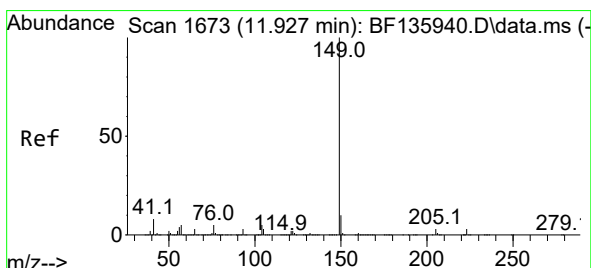
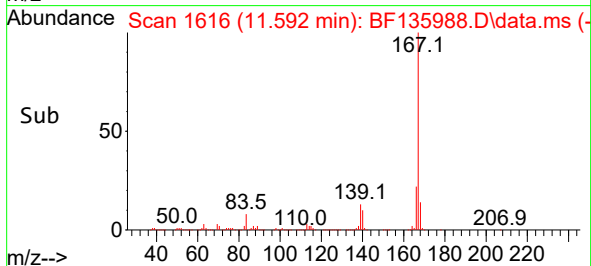
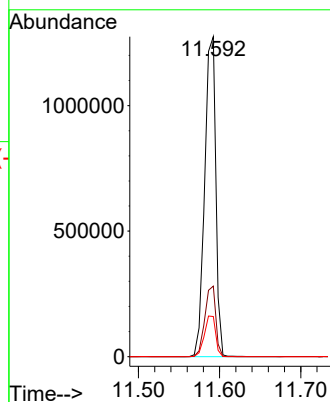
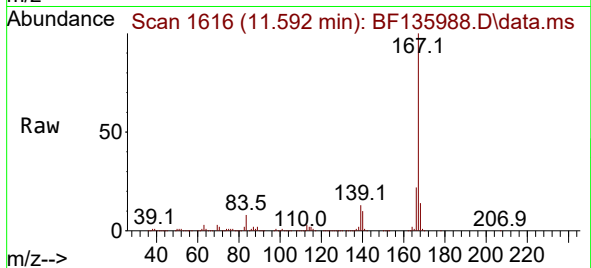
139 12.5 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/28/2023

Supervised By :mohammad ahmed 10/28/2023



#74

Di-n-butylphthalate

Concen: 53.851 ng

RT: 11.933 min Scan# 1674

Delta R.T. 0.006 min

Lab File: BF135988.D

Acq: 27 Oct 2023 17:01

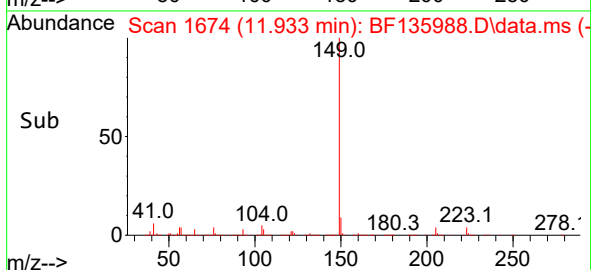
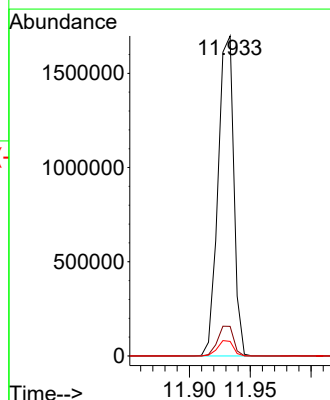
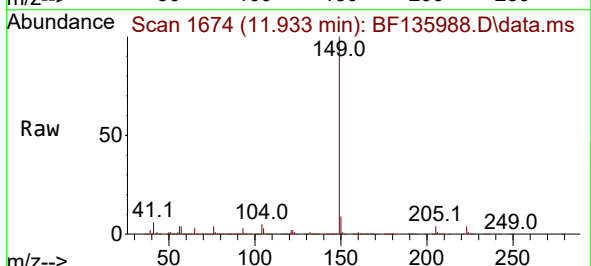
Tgt Ion:149 Resp: 1528485

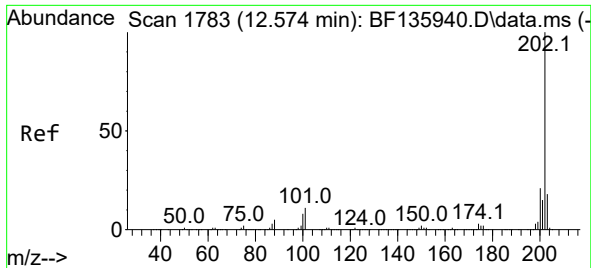
Ion Ratio Lower Upper

149 100

150 9.2 7.7 11.5

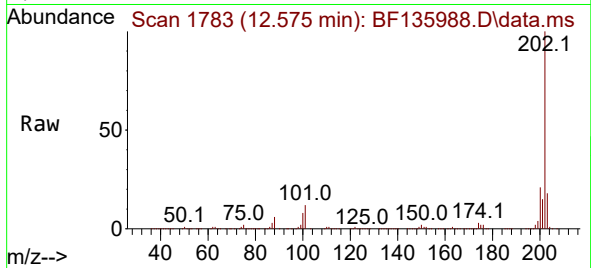
104 4.6 3.9 5.9





#75  
Fluoranthene  
Concen: 39.809 ng  
RT: 12.575 min Scan# 1783  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

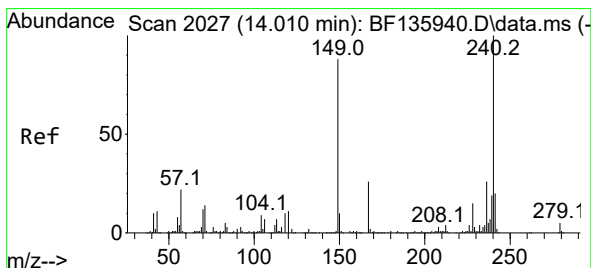
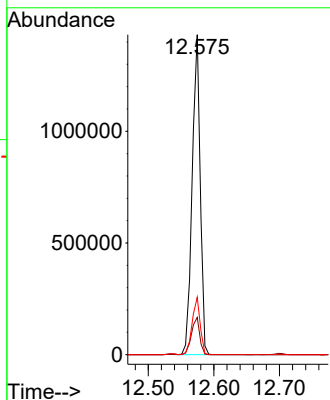
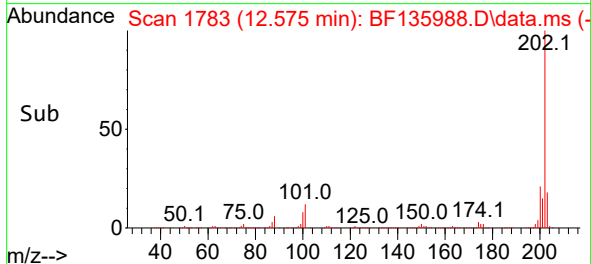
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:202 Resp: 1223039  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.6  
203 17.9 0.0 37.5

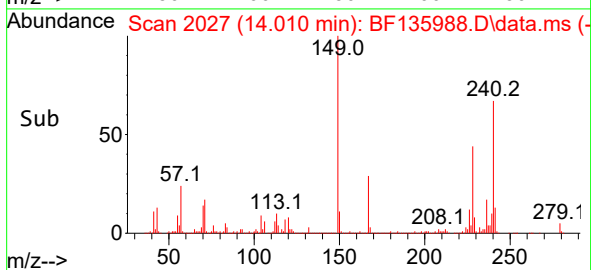
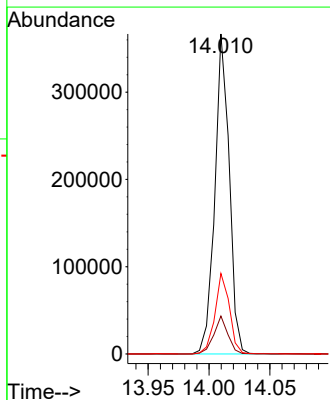
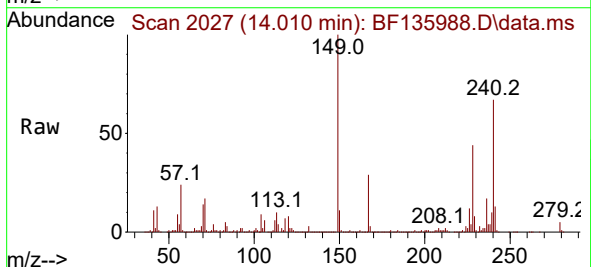
Manual Integrations  
APPROVED

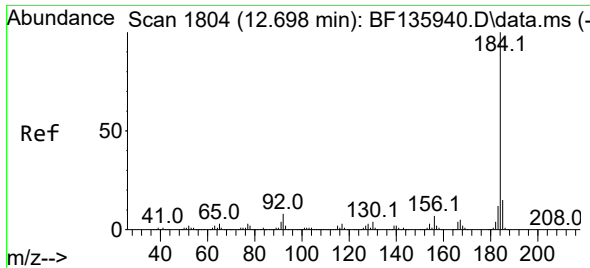
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

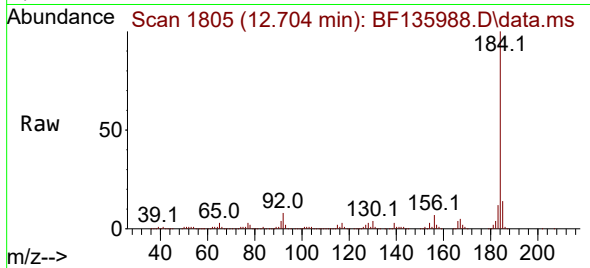
Tgt Ion:240 Resp: 302327  
Ion Ratio Lower Upper  
240 100  
120 11.8 8.6 13.0  
236 25.1 20.6 30.8





#77  
Benzidine  
Concen: 125.000 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

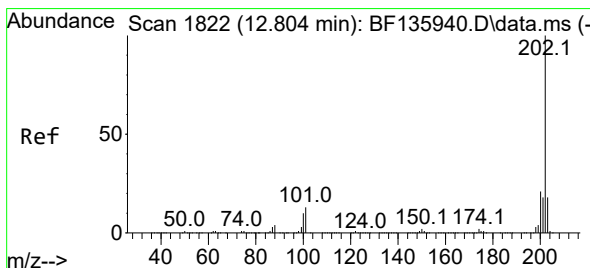
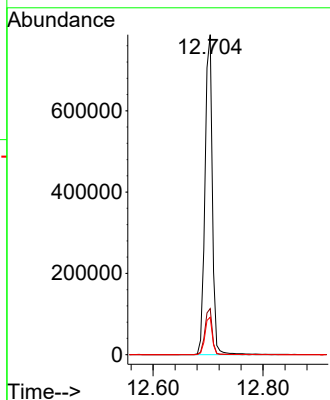
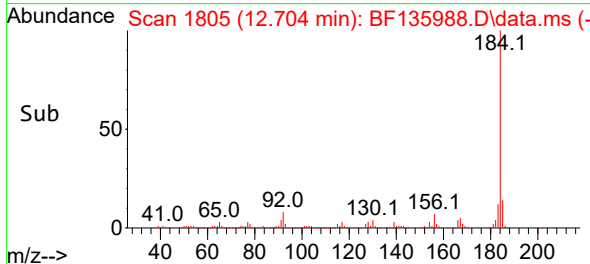
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:184 Resp: 72869  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.7 17.5  
183 11.7 9.2 13.8

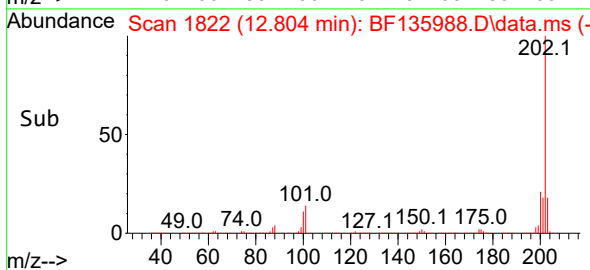
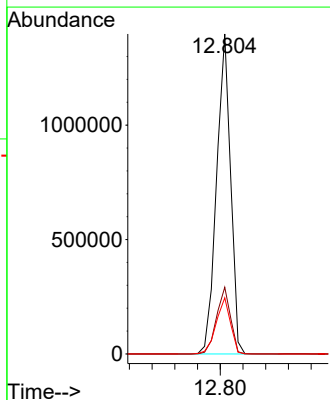
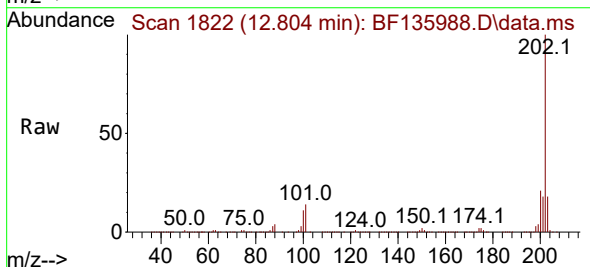
Manual Integrations  
APPROVED

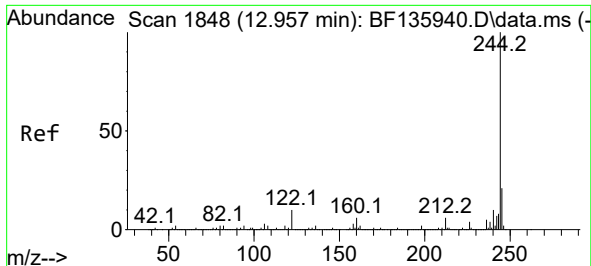
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#78  
Pyrene  
Concen: 47.205 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

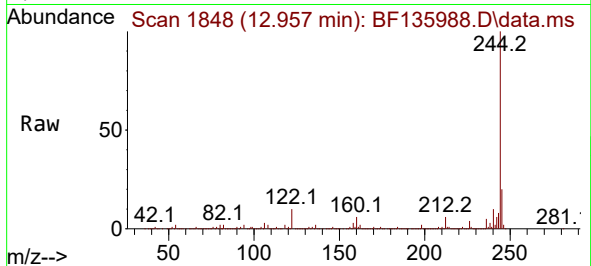
Tgt Ion:202 Resp: 1198286  
Ion Ratio Lower Upper  
202 100  
200 20.9 17.0 25.6  
203 17.6 14.5 21.7





#79  
Terphenyl-d14  
Concen: 88.738 ng  
RT: 12.957 min Scan# 1848  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

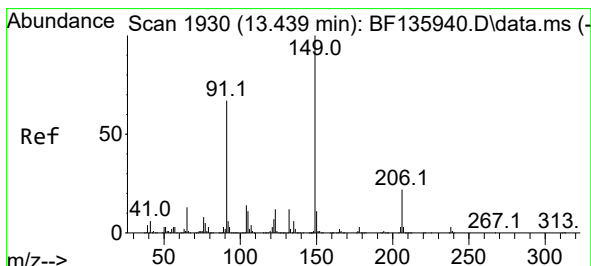
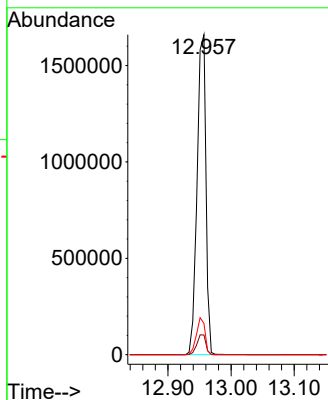
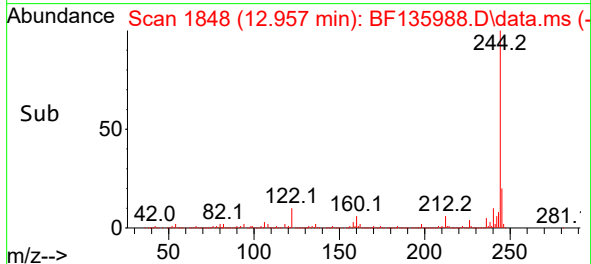
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



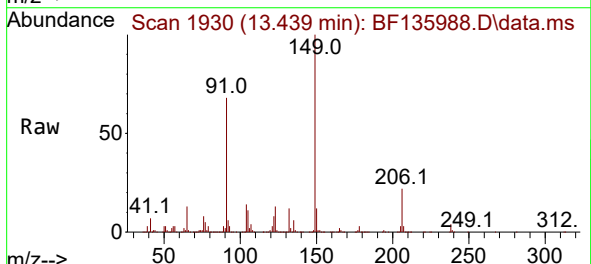
Tgt Ion:244 Resp: 160571  
Ion Ratio Lower Upper  
244 100  
212 6.1 5.0 7.6  
122 9.7 8.0 12.0

Manual Integrations  
APPROVED

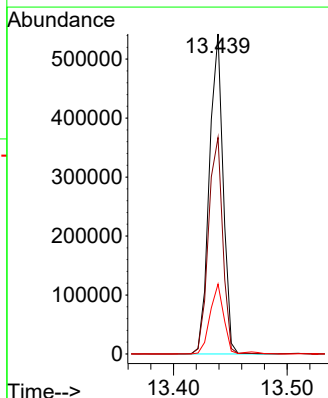
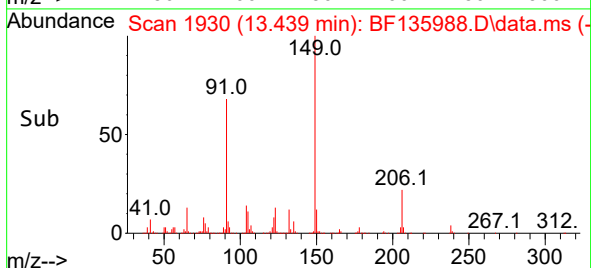
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023

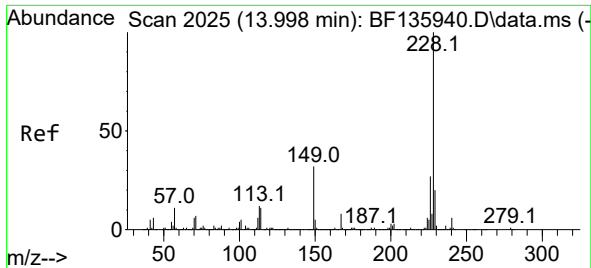


#80  
Butylbenzylphthalate  
Concen: 47.677 ng  
RT: 13.439 min Scan# 1930  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:149 Resp: 457122  
Ion Ratio Lower Upper  
149 100  
91 67.6 53.4 80.0  
206 21.8 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 49.690 ng  
RT: 13.998 min Scan# 2025  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

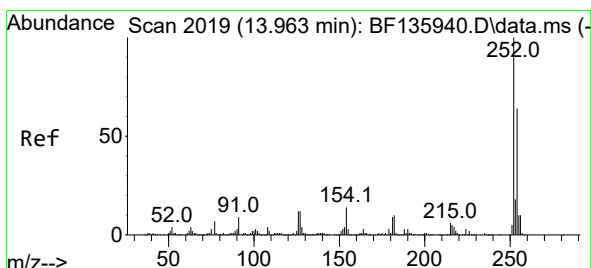
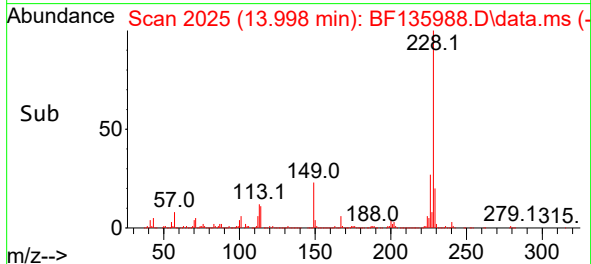
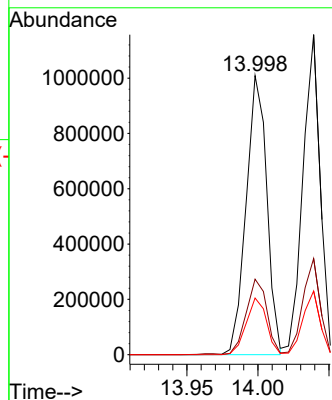
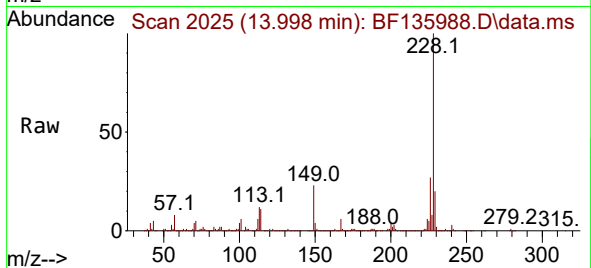
ClientSampleId :

TP-1MSD

Tgt Ion:228 Resp: 102146  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.6  
229 20.3 16.2 24.4

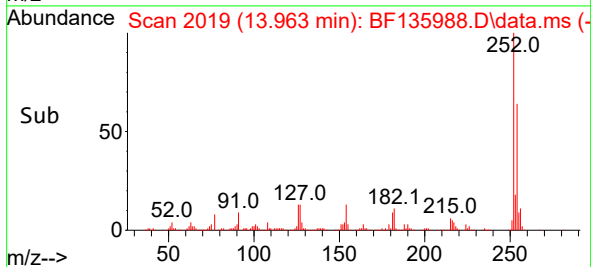
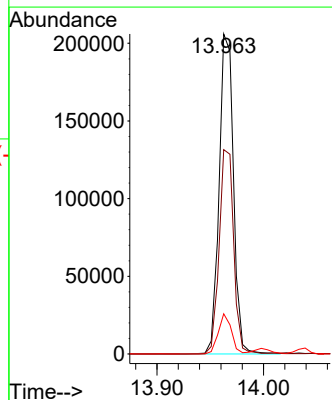
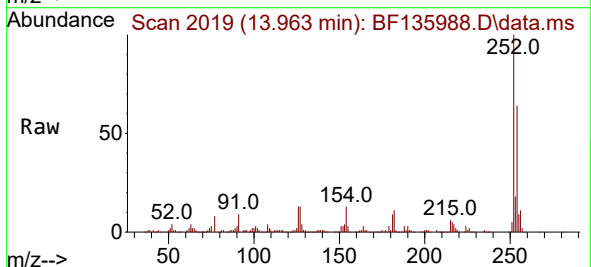
Manual Integrations  
APPROVED

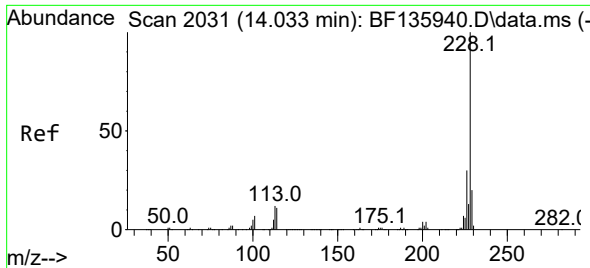
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 30.786 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

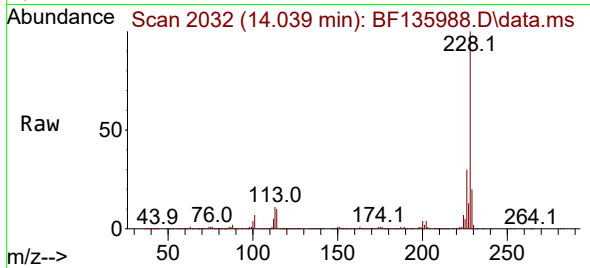
Tgt Ion:252 Resp: 192534  
Ion Ratio Lower Upper  
252 100  
254 63.9 50.9 76.3  
126 12.5 9.8 14.6





#83  
Chrysene  
Concen: 48.834 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

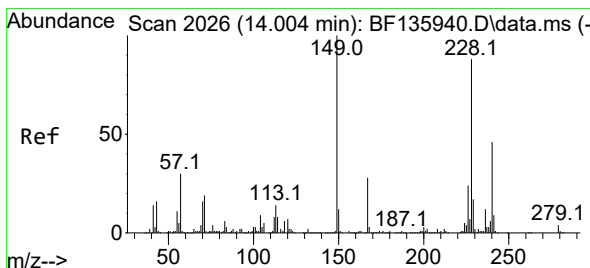
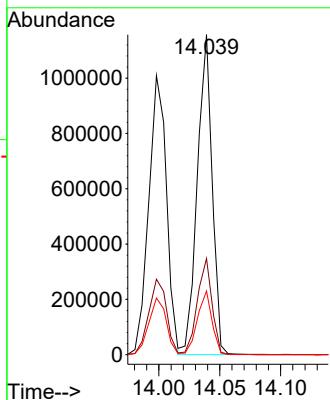
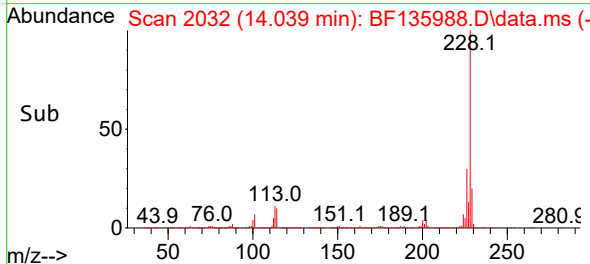
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:228 Resp: 977725  
Ion Ratio Lower Upper  
228 100  
226 30.1 23.9 35.9  
229 19.9 16.2 24.2

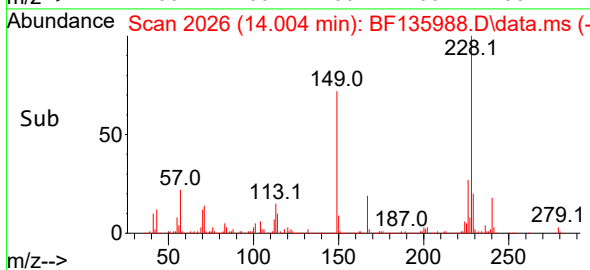
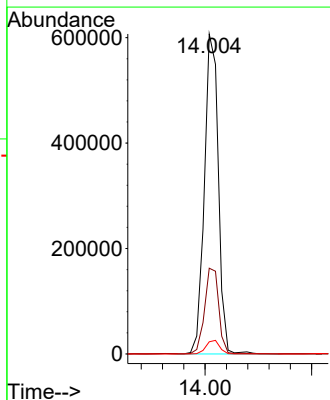
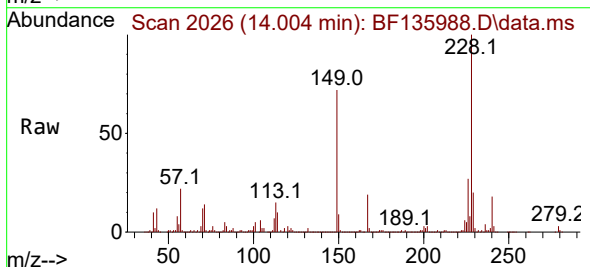
Manual Integrations  
APPROVED

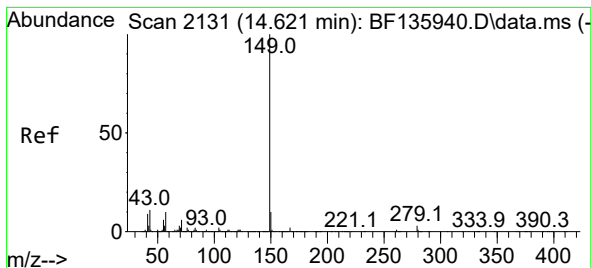
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.991 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

Tgt Ion:149 Resp: 553146  
Ion Ratio Lower Upper  
149 100  
167 26.8 22.2 33.2  
279 3.8 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 64.321 ng

RT: 14.627 min Scan# 2131

Delta R.T. 0.006 min

Lab File: BF135988.D

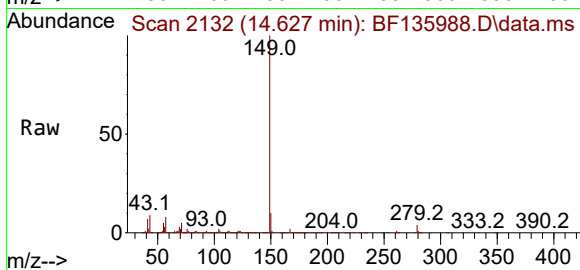
Acq: 27 Oct 2023 17:01

Instrument :

BNA\_F

ClientSampleId :

TP-1MSD



Tgt Ion:149 Resp: 1057664

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

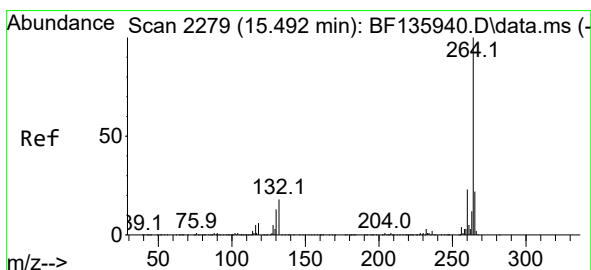
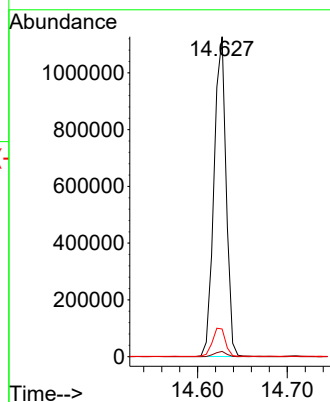
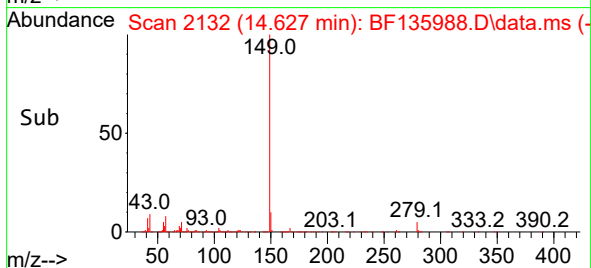
43 9.4 8.6 12.8

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: BF135988.D

Acq: 27 Oct 2023 17:01

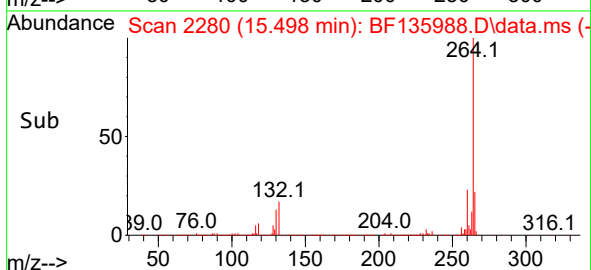
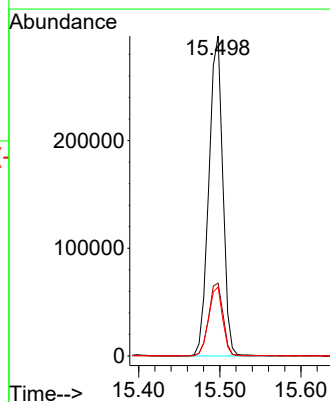
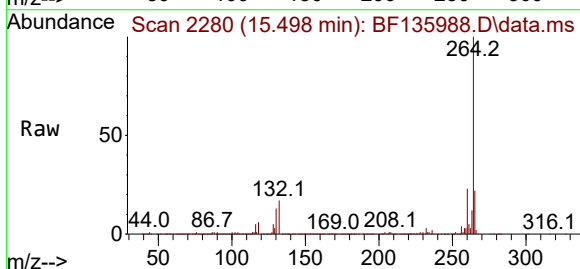
Tgt Ion:264 Resp: 353635

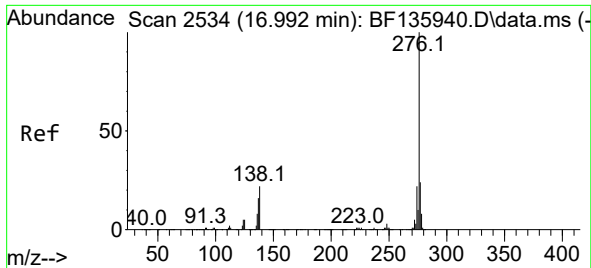
Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

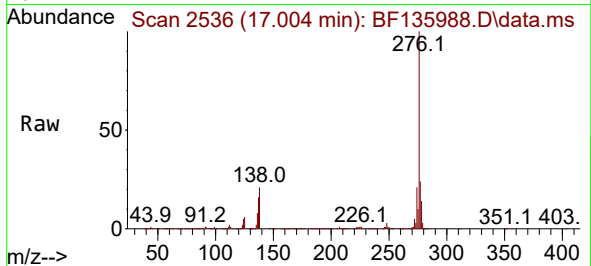
265 21.5 17.3 25.9





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 38.565 ng  
 RT: 17.004 min Scan# 21  
 Delta R.T. 0.012 min  
 Lab File: BF135988.D  
 Acq: 27 Oct 2023 17:01

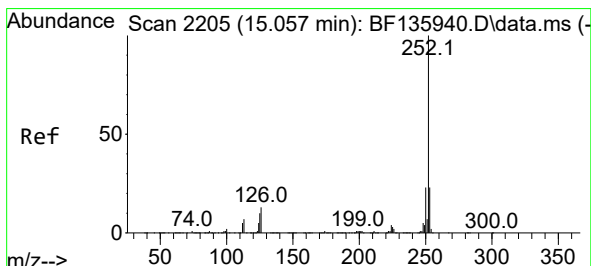
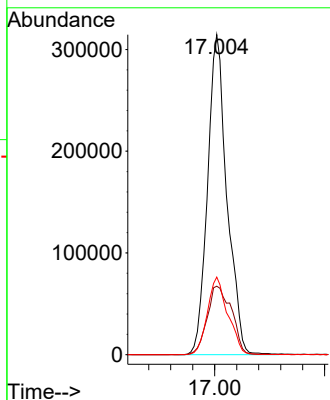
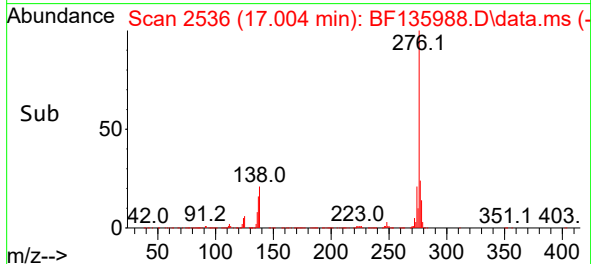
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-1MSD



Tgt Ion:276 Resp: 773320  
 Ion Ratio Lower Upper  
 276 100  
 138 26.8 21.8 32.6  
 277 25.6 20.0 30.0

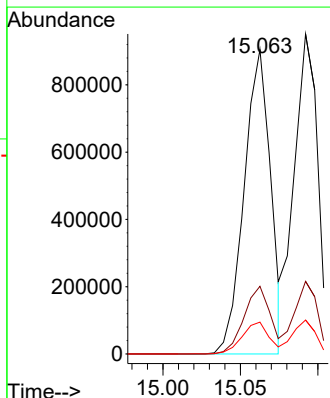
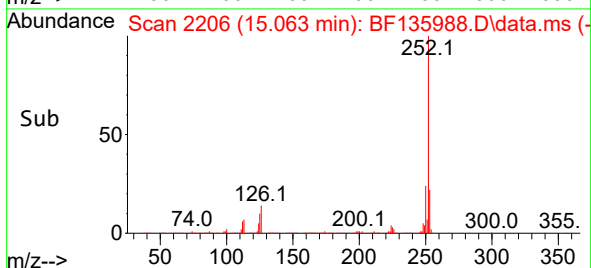
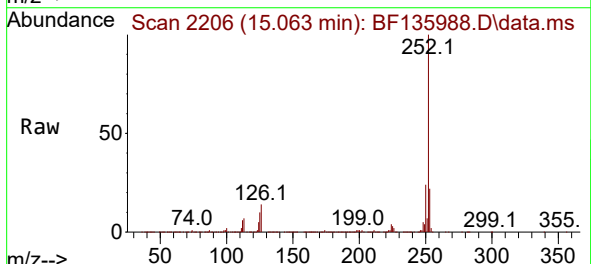
Manual Integrations  
 APPROVED

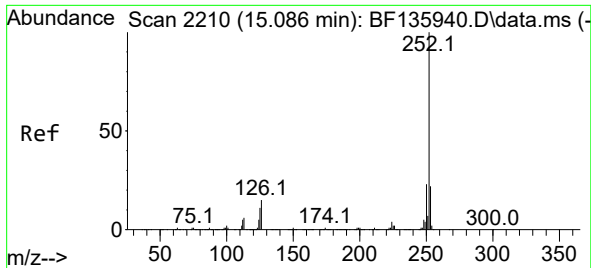
Reviewed By :Yogesh Patel 10/28/2023  
 Supervised By :mohammad ahmed 10/28/2023



#88  
 Benzo(b)fluoranthene  
 Concen: 51.108 ng  
 RT: 15.063 min Scan# 2206  
 Delta R.T. 0.006 min  
 Lab File: BF135988.D  
 Acq: 27 Oct 2023 17:01

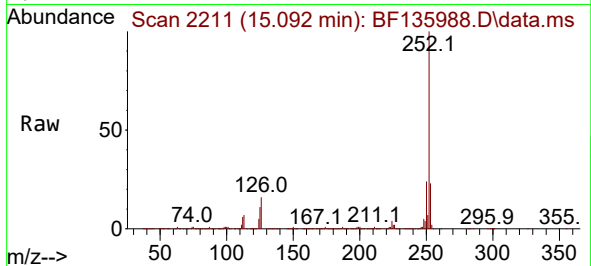
Tgt Ion:252 Resp: 1075595  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 18.0 27.0  
 125 10.5 8.2 12.4





#89  
Benzo(k)fluoranthene  
Concen: 49.170 ng  
RT: 15.092 min Scan# 2210  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

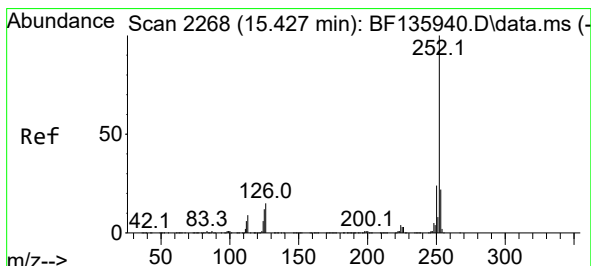
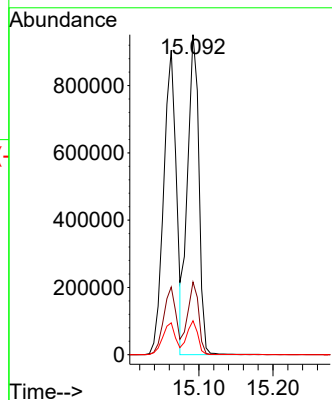
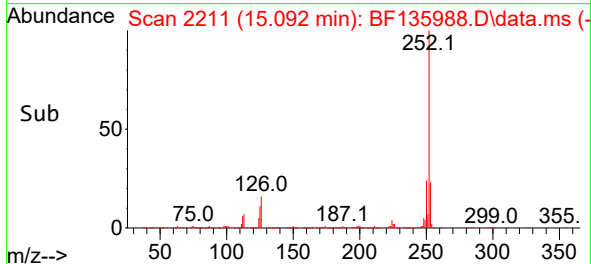
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



Tgt Ion:252 Resp: 1016310  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.7 26.5  
125 10.6 8.5 12.7

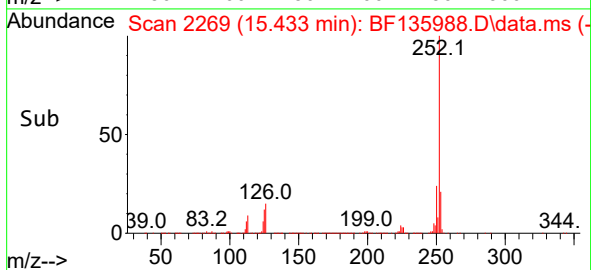
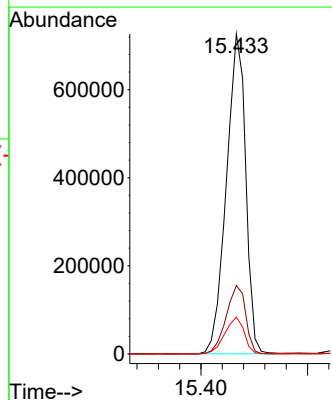
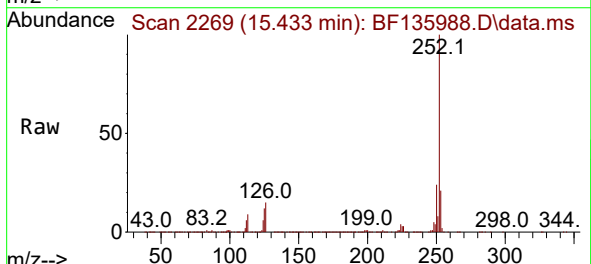
Manual Integrations  
APPROVED

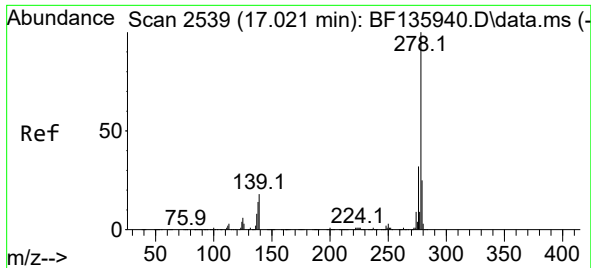
Reviewed By :Yogesh Patel 10/28/2023  
Supervised By :mohammad ahmed 10/28/2023



#90  
Benzo(a)pyrene  
Concen: 47.134 ng  
RT: 15.433 min Scan# 2269  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

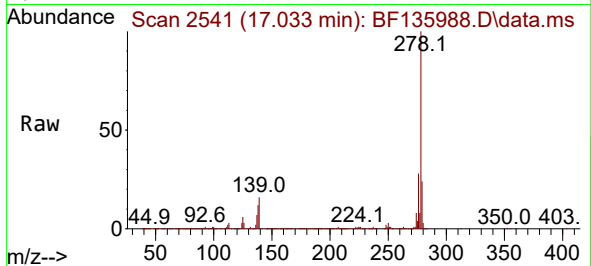
Tgt Ion:252 Resp: 914225  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.2  
125 11.6 9.6 14.4





#91  
Dibenzo(a,h)anthracene  
Concen: 38.206 ng  
RT: 17.033 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01

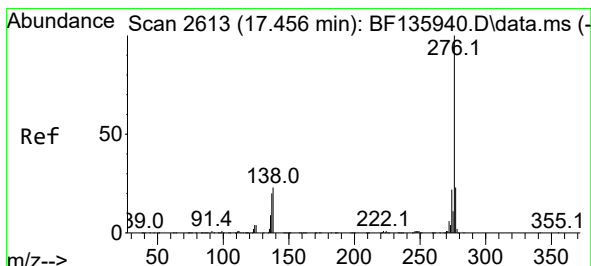
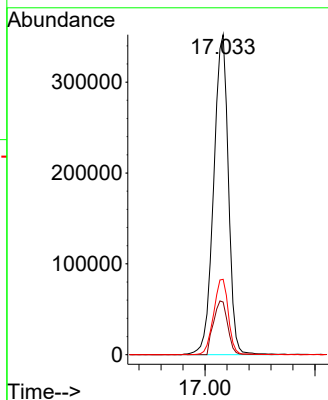
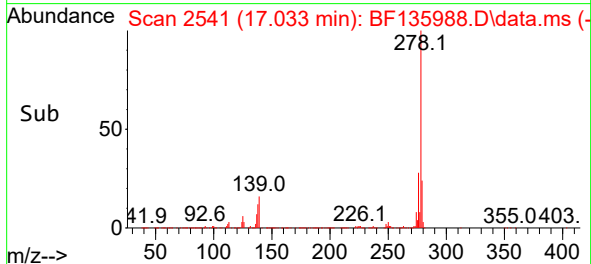
Instrument :  
BNA\_F  
ClientSampleId :  
TP-1MSD



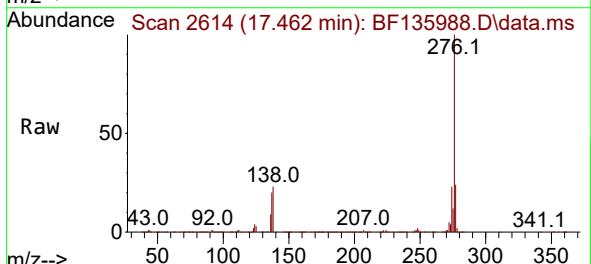
Tgt Ion:278 Resp: 655299  
Ion Ratio Lower Upper  
278 100  
139 16.4 14.0 21.0  
279 23.6 19.7 29.5

Manual Integrations  
APPROVED

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



#92  
Benzo(g,h,i)perylene  
Concen: 30.836 ng  
RT: 17.462 min Scan# 2614  
Delta R.T. 0.006 min  
Lab File: BF135988.D  
Acq: 27 Oct 2023 17:01



Tgt Ion:276 Resp: 572904  
Ion Ratio Lower Upper  
276 100  
277 24.0 18.6 28.0  
138 22.6 18.4 27.6

