

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102623\  
 Data File : BF135973.D  
 Acq On : 26 Oct 2023 20:24  
 Operator : CG\JU  
 Sample : 05039-04MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MMFB-4MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 27 01:20:13 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  | 168034   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.110  | 136  | 629119   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 262482   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 388631   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.015 | 240  | 315250   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 275124   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 1171950  | 107.698 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.463  | 99   | 1442546  | 106.481 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 816976   | 83.991  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 261758   | 113.932 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 1430421  | 87.262  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 1314524  | 69.668  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 206106   | 40.773  | ng    | 97       |
| 3) Pyridine                   | 3.399  | 79   | 500852   | 35.898  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 262637   | 43.171  | ng    | 98       |
| 6) Aniline                    | 6.492  | 93   | 652805   | 35.786  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.610  | 128  | 564876   | 50.143  | ng    | 100      |
| 9) Benzaldehyde               | 6.375  | 77   | 163993   | 22.377  | ng    | 99       |
| 10) Phenol                    | 6.475  | 94   | 683721m  | 48.275  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.569  | 93   | 536198   | 48.639  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 577486   | 48.262  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 582671   | 48.486  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.998  | 146  | 560449   | 50.222  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 453507   | 47.354  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 767503   | 47.275  | ng    | 98       |
| 17) 2-Methylphenol            | 7.081  | 107  | 434171   | 43.729  | ng    | 98       |
| 18) Hexachloroethane          | 7.339  | 117  | 204116   | 49.951  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 357772   | 46.441  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 529849   | 44.216  | ng    | # 89     |
| 22) Acetophenone              | 7.239  | 105  | 717101   | 50.467  | ng    | # 94     |
| 24) Nitrobenzene              | 7.410  | 77   | 527980   | 50.533  | ng    | 97       |
| 25) Isophorone                | 7.651  | 82   | 1010049  | 50.792  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 247219   | 60.177  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 416029   | 45.903  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.863  | 93   | 626235   | 51.283  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 429152   | 52.878  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.051  | 180  | 473228   | 51.499  | ng    | 99       |
| 31) Naphthalene               | 8.134  | 128  | 1518660  | 49.929  | ng    | 99       |
| 32) Benzoic acid              | 7.881  | 122  | 300053m  | 59.808  | ng    |          |
| 33) 4-Chloroaniline           | 8.175  | 127  | 381927   | 28.410  | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 271035   | 52.330  | ng    | 100      |
| 35) Caprolactam               | 8.551  | 113  | 138872m  | 51.419  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 419272   | 48.612  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 919241   | 45.678  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 882310   | 46.920  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 423656   | 57.146  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 169446   | 46.354  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 268344   | 61.844  | ng    | 99       |

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 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 275185   | 53.415  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1107461  | 55.682  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 810783   | 55.113  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 231871   | 55.635  | ng    | 99       |
| 49) Acenaphthylene            | 9.728  | 152  | 1225845  | 52.819  | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 941077   | 55.286  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 192121   | 53.790  | ng    | 87       |
| 52) Acenaphthene              | 9.898  | 154  | 764412   | 51.394  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 180605   | 43.268  | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 78990    | 68.038  | ng    | 93       |
| 55) Dibenzofuran              | 10.075 | 168  | 1032380  | 48.046  | ng    | 96       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 289981   | 84.104  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 225252   | 51.134  | ng    | 97       |
| 58) Fluorene                  | 10.416 | 166  | 746320   | 46.426  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 197825m  | 51.029  | ng    |          |
| 60) Diethylphthalate          | 10.292 | 149  | 831409   | 51.221  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 369600   | 47.663  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.433 | 138  | 167057   | 40.735  | ng    | 94       |
| 63) Azobenzene                | 10.569 | 77   | 725504   | 44.044  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 56893    | 46.294  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 668923   | 56.975  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 220588   | 55.424  | ng    | 92       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 232921   | 54.784  | ng    | 92       |
| 69) Atrazine                  | 11.063 | 200  | 209618   | 65.494  | ng    | 98       |
| 70) Pentachlorophenol         | 11.157 | 266  | 265719   | 97.593  | ng    | 99       |
| 71) Phenanthrene              | 11.380 | 178  | 1094978  | 55.690  | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 1050158  | 52.163  | ng    | 100      |
| 73) Carbazole                 | 11.586 | 167  | 913519   | 50.867  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1031088  | 53.954  | ng    | 99       |
| 75) Fluoranthene              | 12.574 | 202  | 1217024  | 58.836  | ng    | 98       |
| 77) Benzidine                 | 12.704 | 184  | 684497   | 112.605 | ng    | 100      |
| 78) Pyrene                    | 12.804 | 202  | 1325508  | 50.076  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 468609   | 46.936  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.004 | 228  | 1190274  | 55.529  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.968 | 252  | 408105   | 62.580  | ng    | 99       |
| 83) Chrysene                  | 14.039 | 228  | 1112218  | 53.275  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 614065   | 56.416  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1172979  | 68.410  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 768955   | 49.290  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.063 | 252  | 949679   | 58.002  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 864720   | 53.774  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.433 | 252  | 777674   | 51.535  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 622518   | 46.652  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 616706   | 41.224  | ng    | 99       |

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

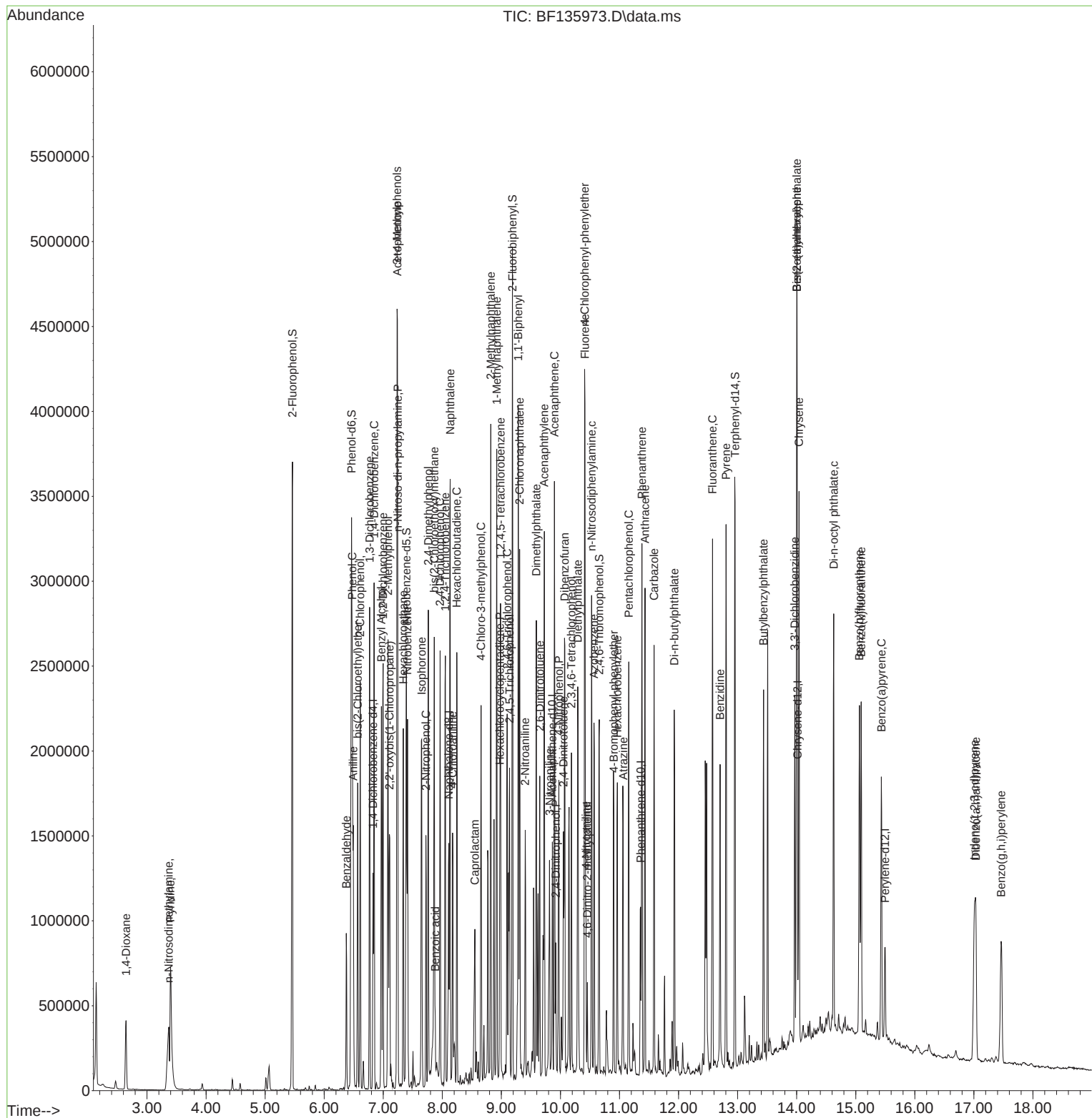
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102623\  
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 ALS Vial : 17 Sample Multiplier: 1

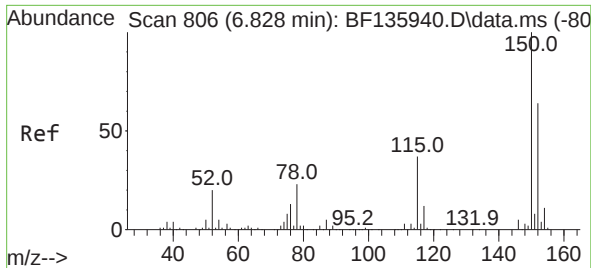
Instrument :  
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### Manual Integrations APPROVED

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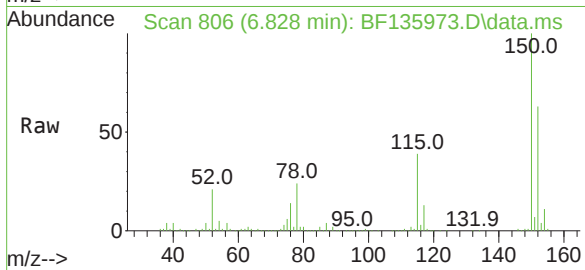
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.828 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

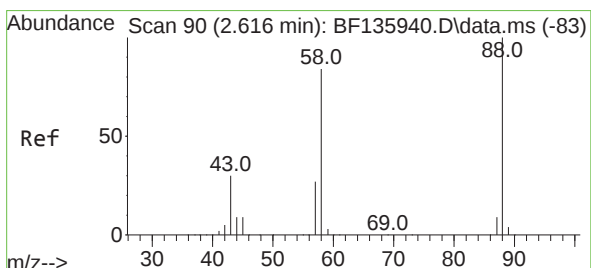
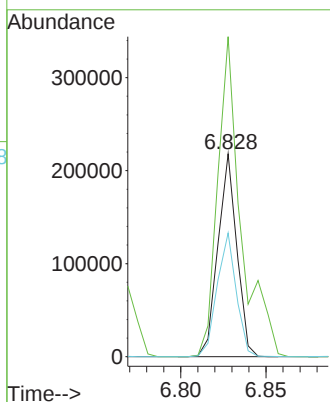
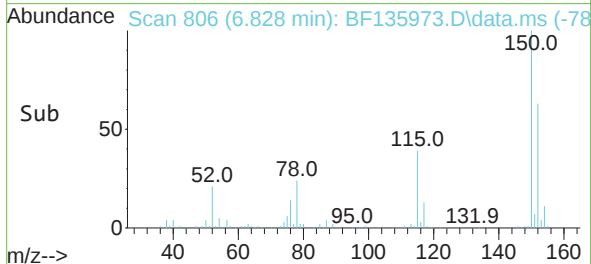


Tgt Ion:152 Resp: 168034  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.6 186.8  
115 60.9 46.6 69.8

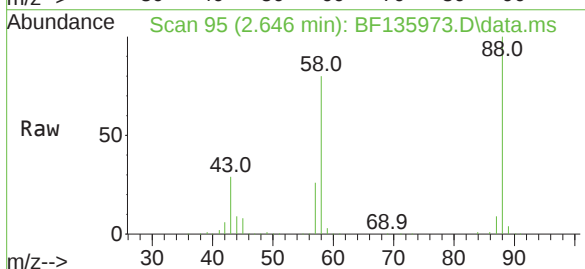
Manual Integrations

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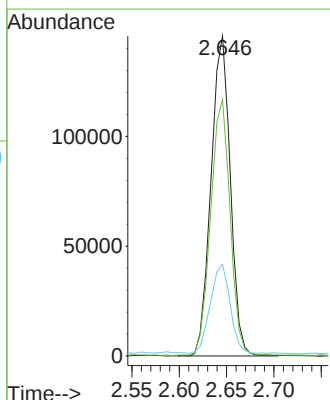
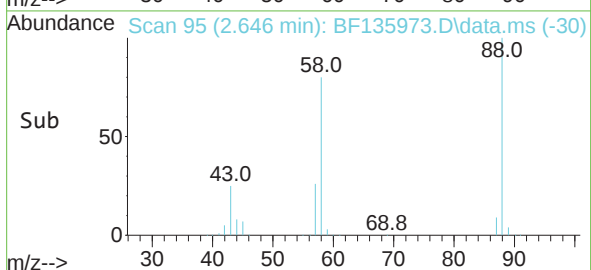
Reviewed By :Yogesh Patel 10/27/2023  
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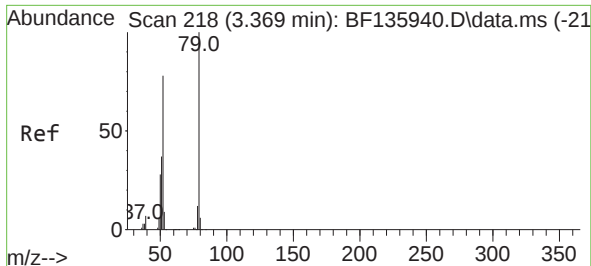


#2  
1,4-Dioxane  
Concen: 40.773 ng  
RT: 2.646 min Scan# 95  
Delta R.T. 0.029 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



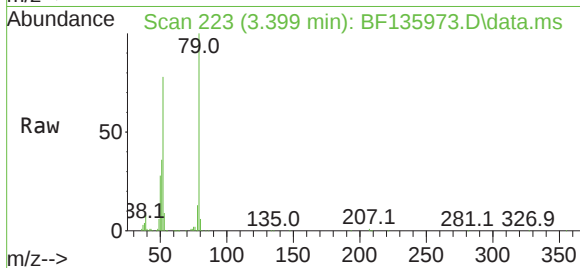
Tgt Ion: 88 Resp: 206106  
Ion Ratio Lower Upper  
88 100  
58 80.7 66.6 100.0  
43 28.5 23.8 35.8





#3  
Pyridine  
Concen: 35.898 ng  
RT: 3.399 min Scan# 218  
Delta R.T. 0.029 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

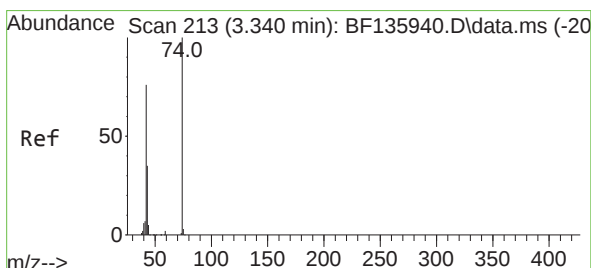
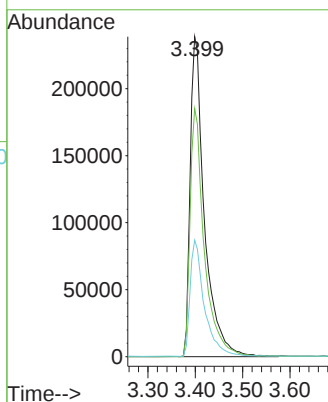
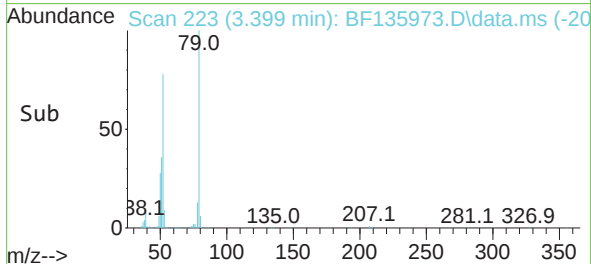
Instrument :  
BNA\_F  
ClientSampleId :  
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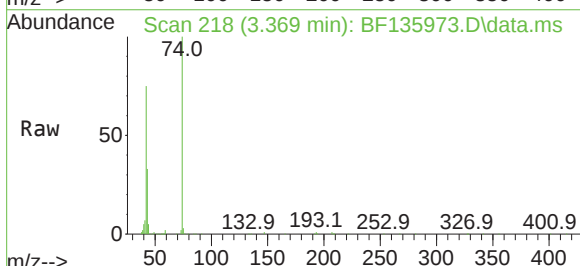
Tgt Ion: 79 Resp: 500852  
Ion Ratio Lower Upper  
79 100  
52 77.5 62.6 93.8  
51 36.4 29.8 44.8

Manual Integrations  
APPROVED

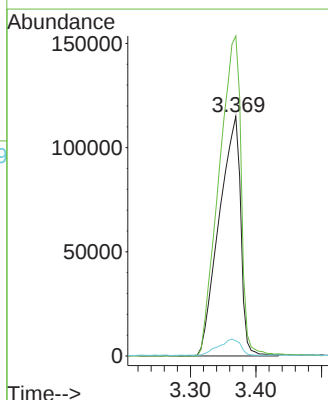
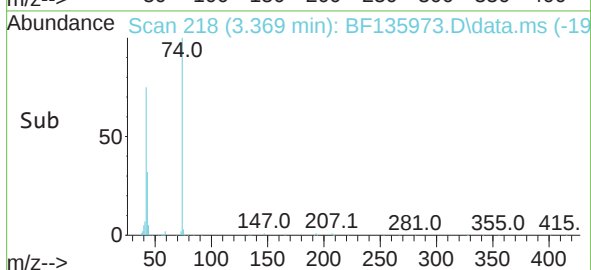
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

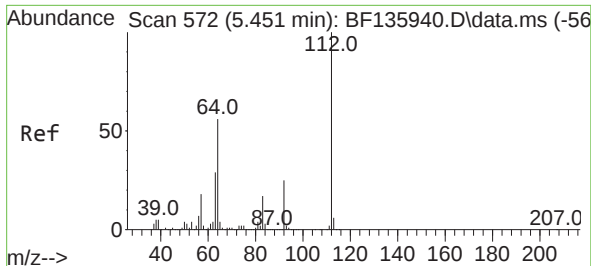


#4  
n-Nitrosodimethylamine  
Concen: 43.171 ng  
RT: 3.369 min Scan# 218  
Delta R.T. 0.029 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion: 42 Resp: 262637  
Ion Ratio Lower Upper  
42 100  
74 133.6 104.8 157.2  
44 6.3 5.9 8.9





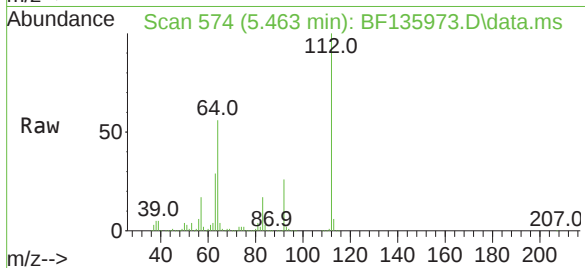
#5  
2-Fluorophenol  
Concen: 107.698 ng  
RT: 5.463 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

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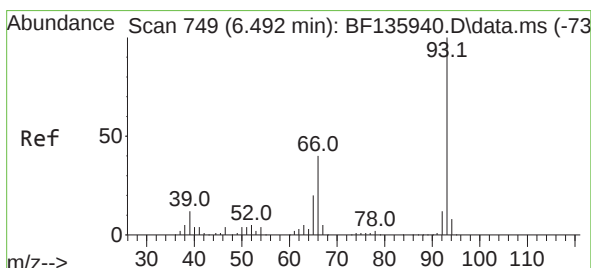
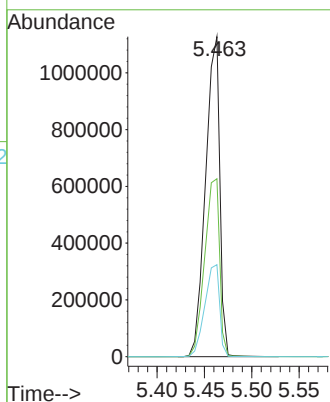
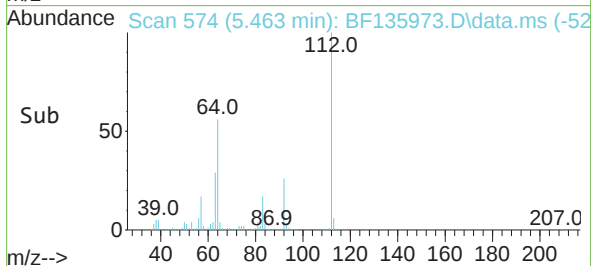


Tgt Ion:112 Resp: 1171950  
Ion Ratio Lower Upper  
112 100  
64 55.6 45.1 67.7  
63 28.8 23.0 34.4

Manual Integrations

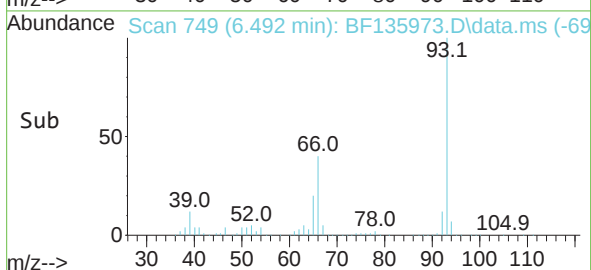
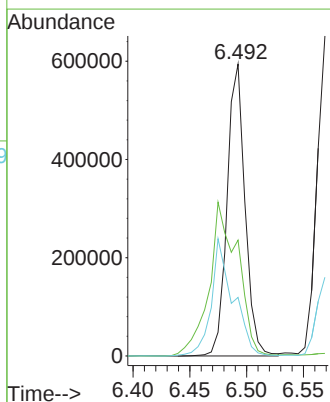
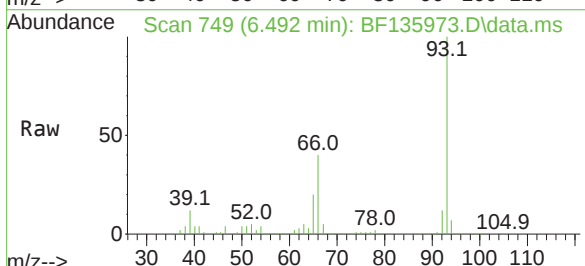
APPROVED

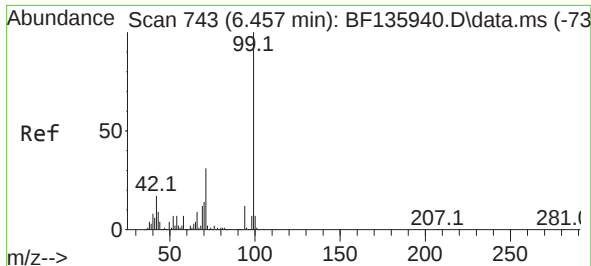
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#6  
Aniline  
Concen: 35.786 ng  
RT: 6.492 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

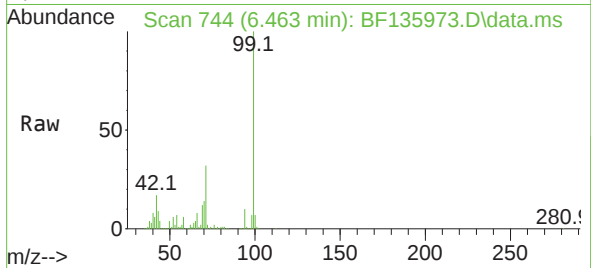
Tgt Ion: 93 Resp: 652805  
Ion Ratio Lower Upper  
93 100  
66 39.7 32.0 48.0  
65 20.1 16.2 24.4





#7  
Phenol-d6  
Concen: 106.481 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

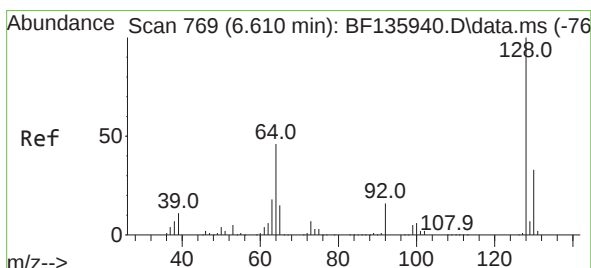
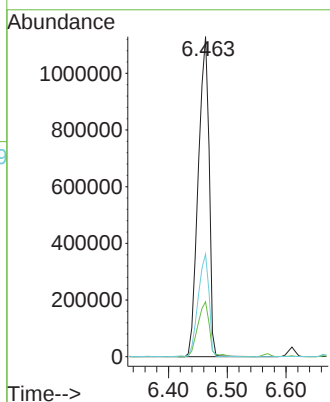
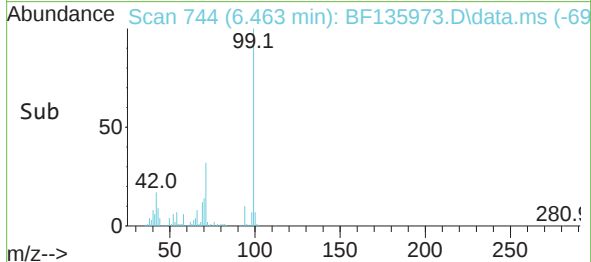
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



Tgt Ion: 99 Resp: 1442540  
Ion Ratio Lower Upper  
99 100  
42 17.2 13.8 20.8  
71 32.1 25.1 37.7

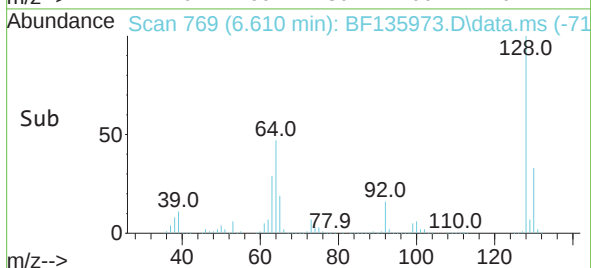
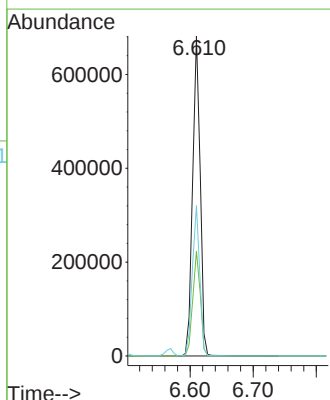
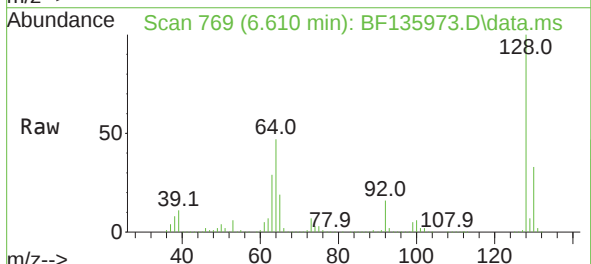
Manual Integrations  
APPROVED

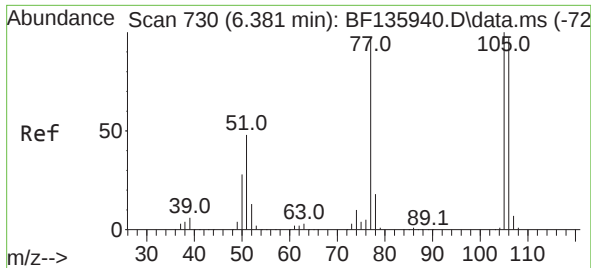
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#8  
2-Chlorophenol  
Concen: 50.143 ng  
RT: 6.610 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:128 Resp: 564876  
Ion Ratio Lower Upper  
128 100  
130 32.8 13.1 53.1  
64 47.0 27.0 67.0





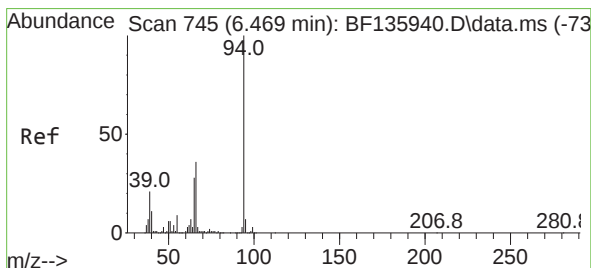
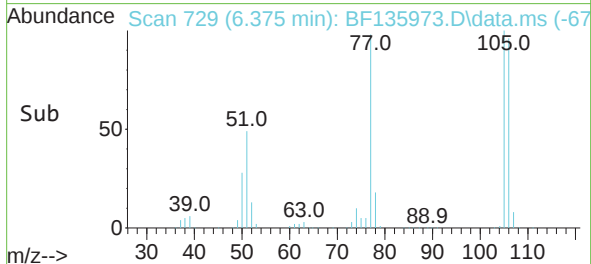
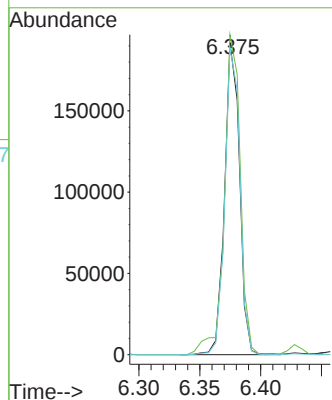
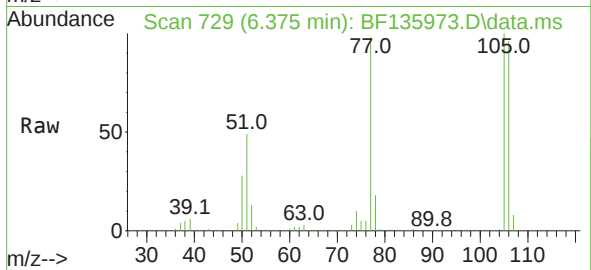
#9  
Benzaldehyde  
Concen: 22.377 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD

Tgt Ion: 77 Resp: 16399  
Ion Ratio Lower Upper  
77 100  
105 102.5 83.2 123.2  
106 98.3 80.0 120.0

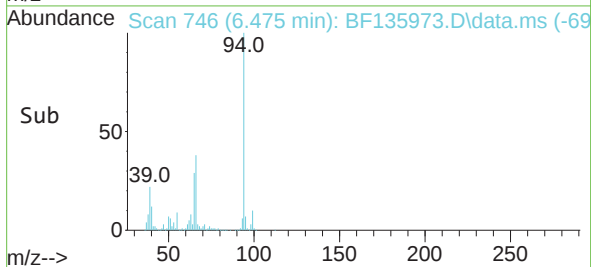
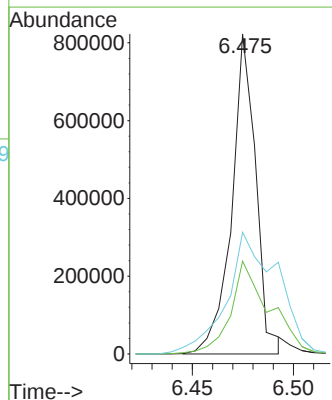
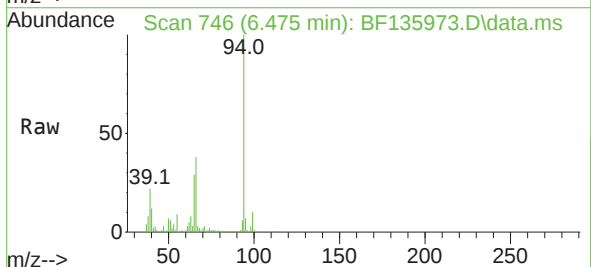
Manual Integrations  
APPROVED

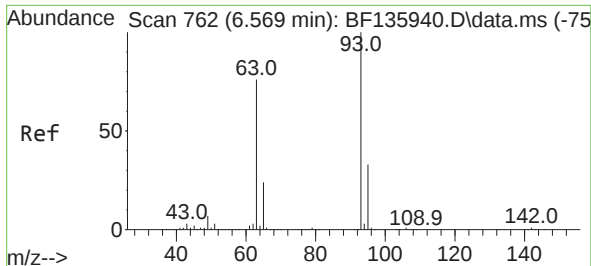
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#10  
Phenol  
Concen: 48.275 ng m  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion: 94 Resp: 683721  
Ion Ratio Lower Upper  
94 100  
65 29.0 7.8 47.8  
66 38.1 16.5 56.5





#11  
bis(2-Chloroethyl)ether  
Concen: 48.639 ng  
RT: 6.569 min Scan# 762  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

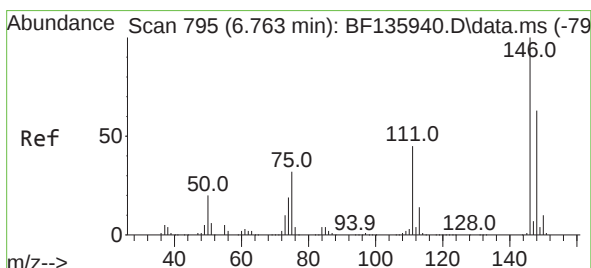
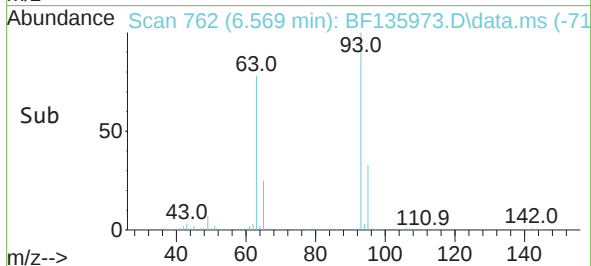
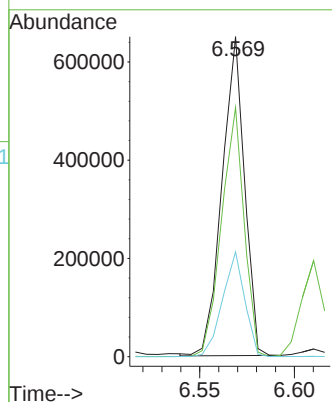
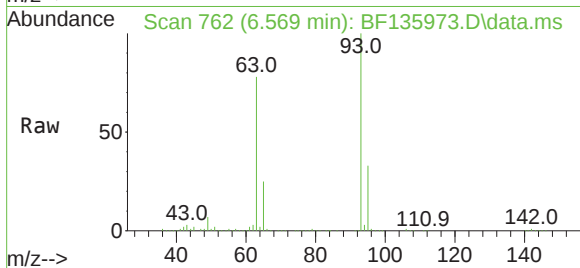
MMFB-4MSD

Tgt Ion: 93 Resp: 536198  
Ion Ratio Lower Upper  
93 100  
63 77.9 56.2 96.2  
95 32.8 12.9 52.9

Manual Integrations

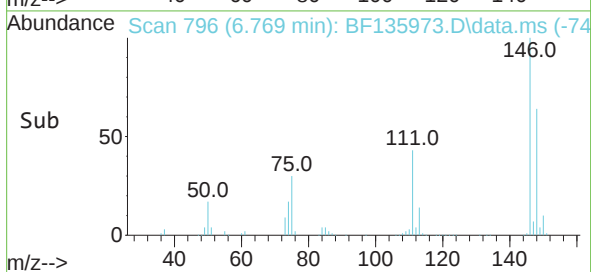
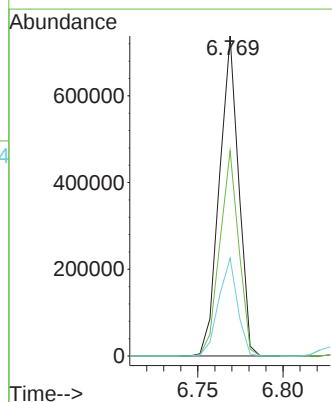
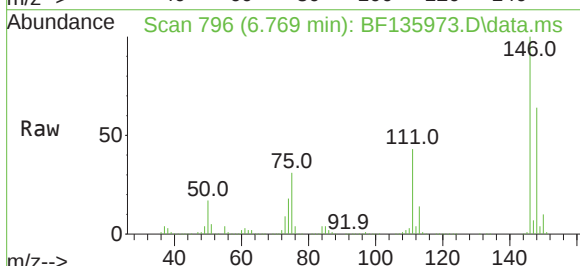
APPROVED

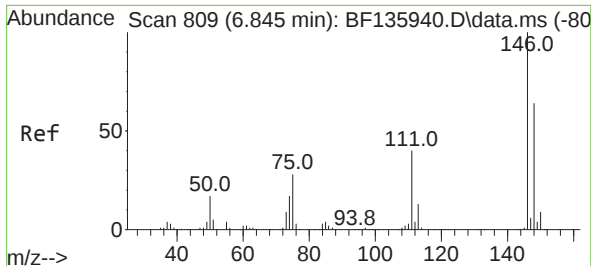
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#12  
1,3-Dichlorobenzene  
Concen: 48.262 ng  
RT: 6.769 min Scan# 796  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:146 Resp: 577486  
Ion Ratio Lower Upper  
146 100  
148 64.1 50.2 75.4  
75 30.6 25.9 38.9





#13

1,4-Dichlorobenzene

Concen: 48.486 ng

RT: 6.845 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

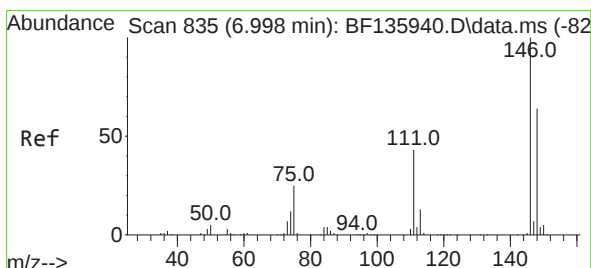
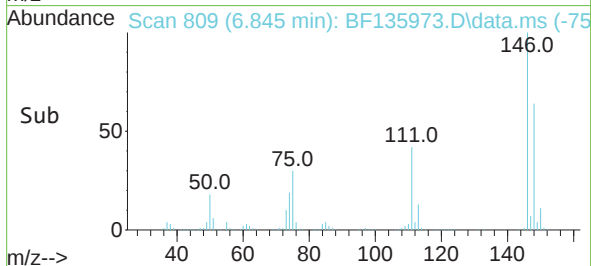
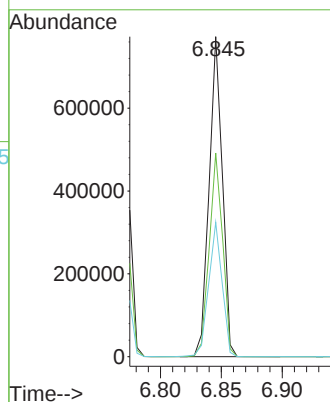
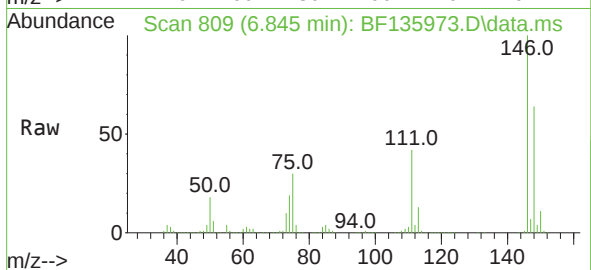
ClientSampleId :

MMFB-4MSD

Tgt Ion:146 Resp: 58267  
 Ion Ratio Lower Upper  
 146 100  
 148 63.7 51.4 77.2  
 111 42.0 31.8 47.8

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023



#14

1,2-Dichlorobenzene

Concen: 50.222 ng

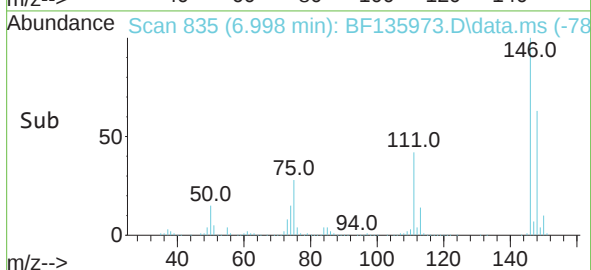
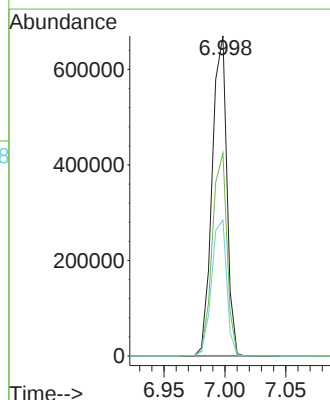
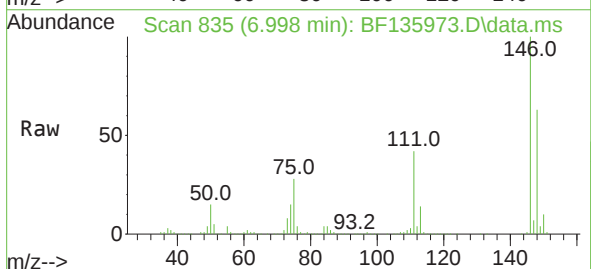
RT: 6.998 min Scan# 835

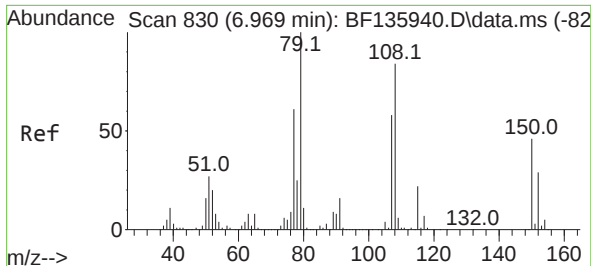
Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion:146 Resp: 560449  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 51.4 77.0  
 111 42.4 34.2 51.4





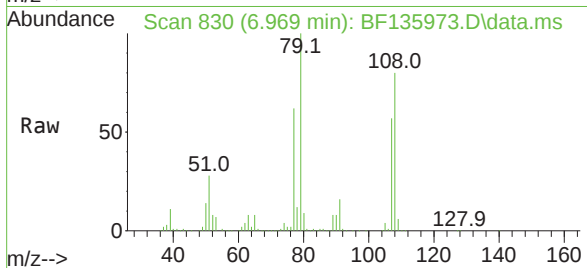
#15  
Benzyl Alcohol  
Concen: 47.354 ng  
RT: 6.969 min Scan# 830  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

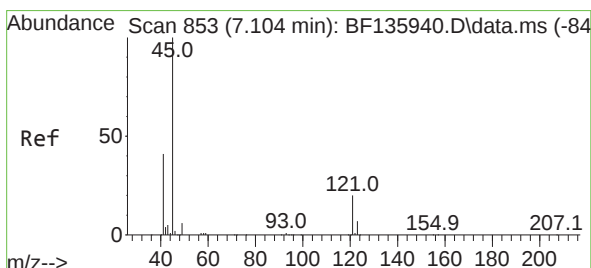
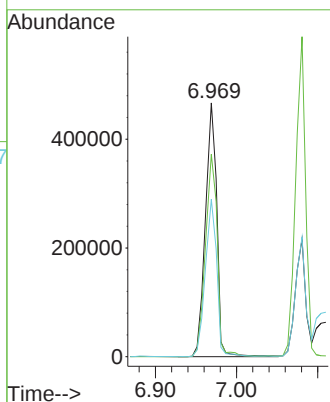
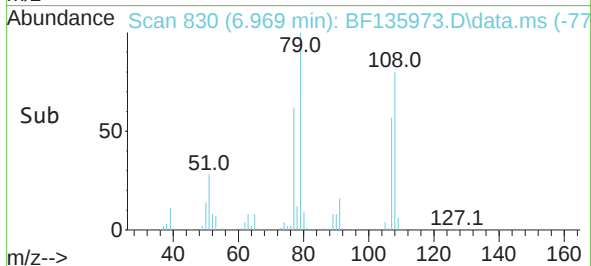


Tgt Ion: 79 Resp: 453507  
Ion Ratio Lower Upper  
79 100  
108 79.7 67.2 100.8  
77 62.1 49.0 73.6

Manual Integrations

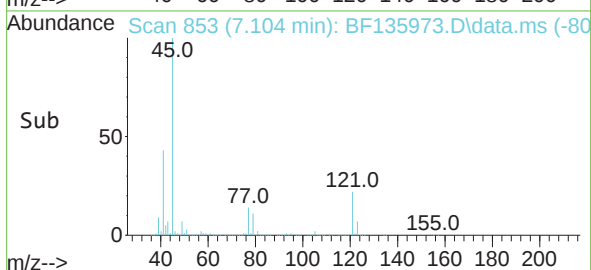
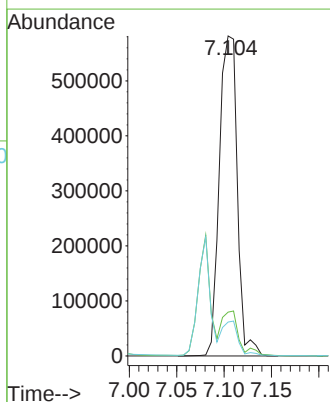
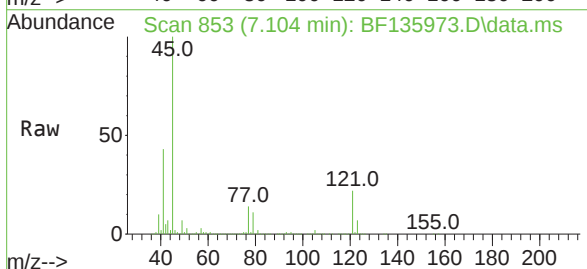
APPROVED

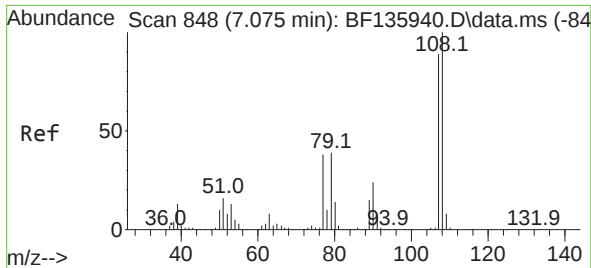
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.275 ng  
RT: 7.104 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion: 45 Resp: 767503  
Ion Ratio Lower Upper  
45 100  
77 13.7 0.0 33.2  
79 10.6 0.0 29.8





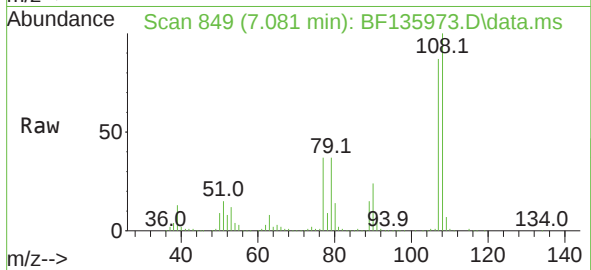
#17  
2-Methylphenol  
Concen: 43.729 ng  
RT: 7.081 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

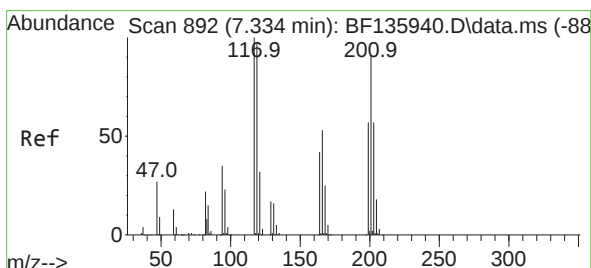
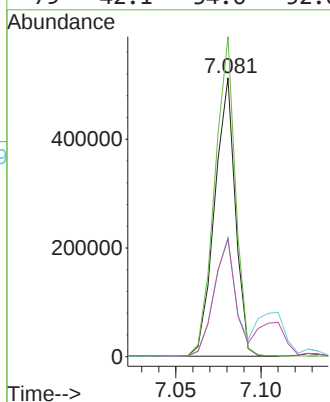
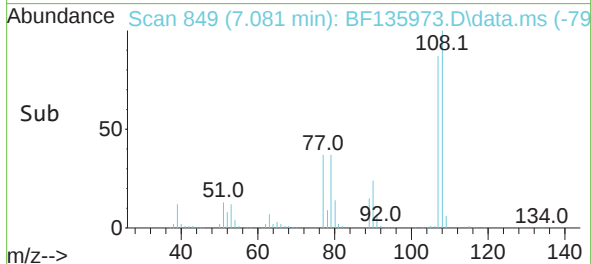


Tgt Ion:107 Resp: 434173  
Ion Ratio Lower Upper  
107 100  
108 114.7 89.8 134.6  
77 42.8 34.2 51.2  
79 42.1 34.6 52.0

Manual Integrations

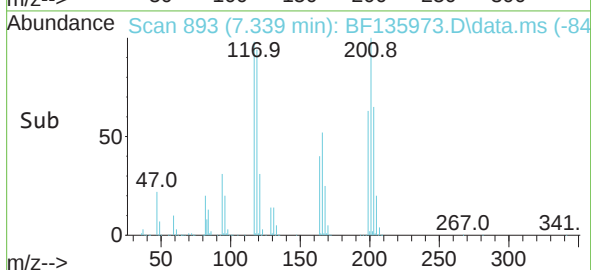
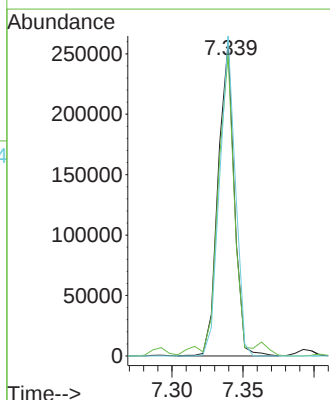
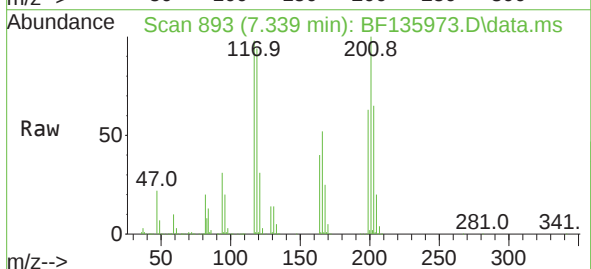
APPROVED

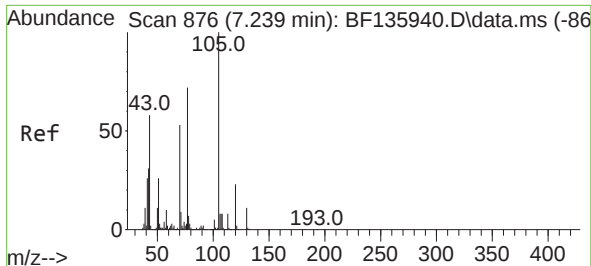
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#18  
Hexachloroethane  
Concen: 49.951 ng  
RT: 7.339 min Scan# 893  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:117 Resp: 204116  
Ion Ratio Lower Upper  
117 100  
119 96.0 77.3 115.9  
201 102.1 72.8 109.2





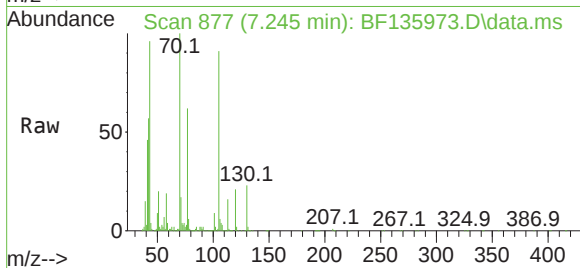
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.441 ng  
RT: 7.245 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

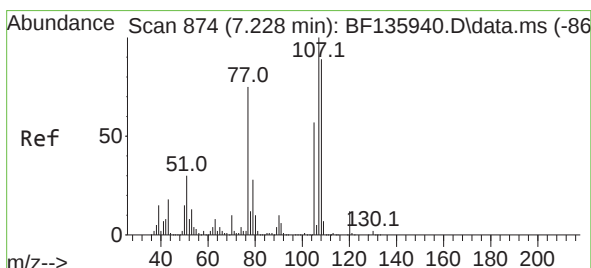
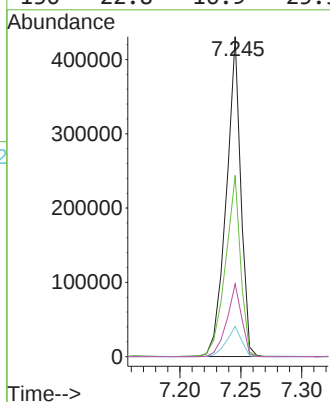
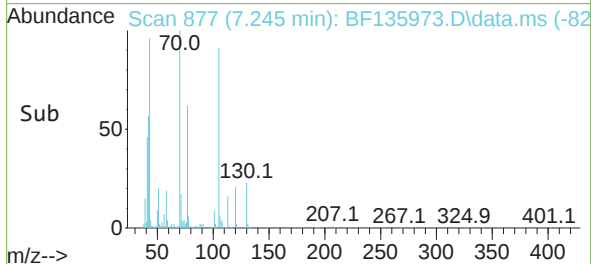


Tgt Ion: 70 Resp: 357772  
Ion Ratio Lower Upper  
70 100  
42 56.7 47.3 70.9  
101 9.5 7.8 11.8  
130 22.8 16.9 25.3

Manual Integrations

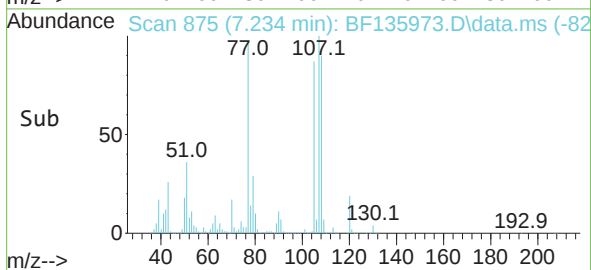
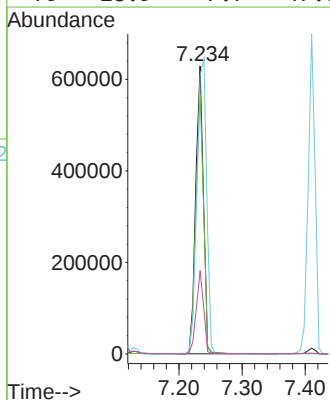
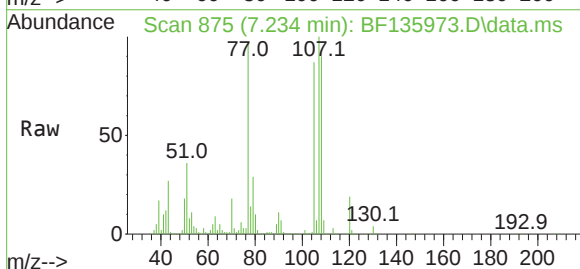
APPROVED

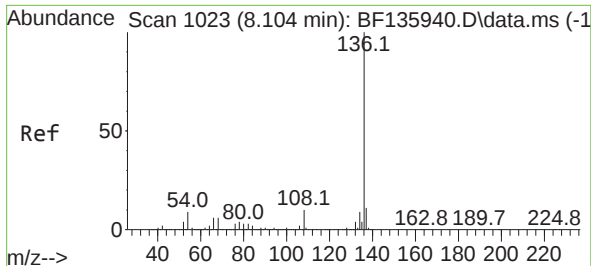
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#20  
3+4-Methylphenols  
Concen: 44.216 ng  
RT: 7.234 min Scan# 875  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:107 Resp: 529849  
Ion Ratio Lower Upper  
107 100  
108 90.2 69.1 109.1  
77 96.7 55.0 95.0#  
79 28.9 7.7 47.7





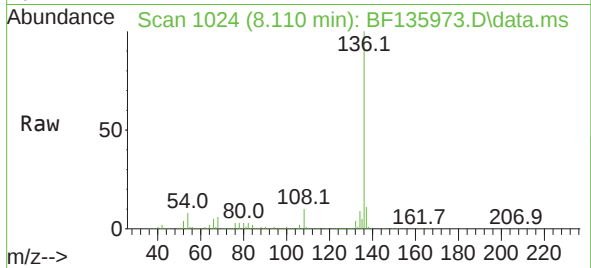
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1023  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

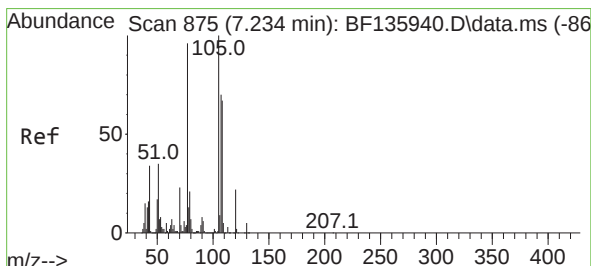
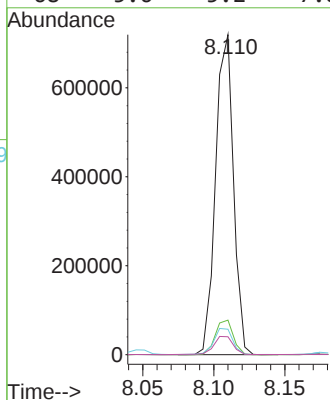
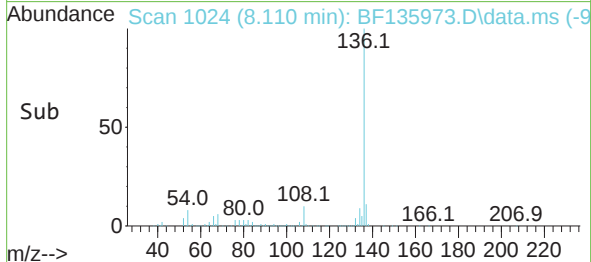


Tgt Ion:136 Resp: 629119  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.6  
54 8.0 7.1 10.7  
68 5.6 5.2 7.8

Manual Integrations

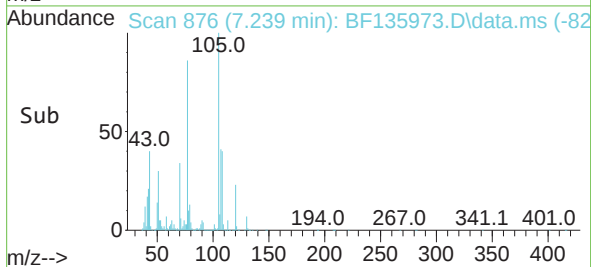
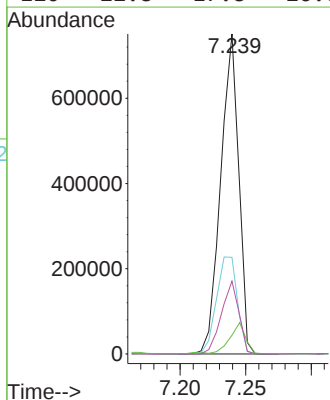
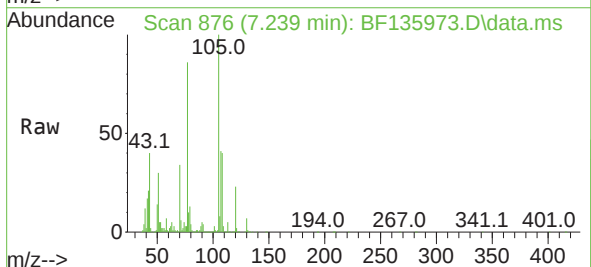
APPROVED

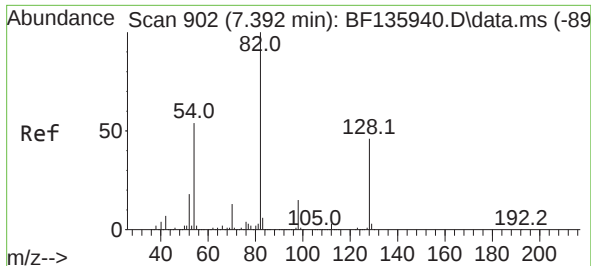
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#22  
Acetophenone  
Concen: 50.467 ng  
RT: 7.239 min Scan# 876  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:105 Resp: 717101  
Ion Ratio Lower Upper  
105 100  
71 5.9 3.4 5.2#  
51 30.2 28.4 42.6  
120 22.8 17.8 26.6





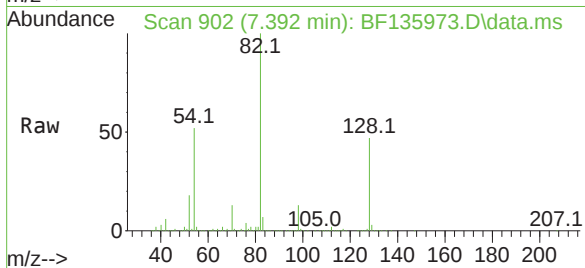
#23  
Nitrobenzene-d5  
Concen: 83.991 ng  
RT: 7.392 min Scan# 902  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

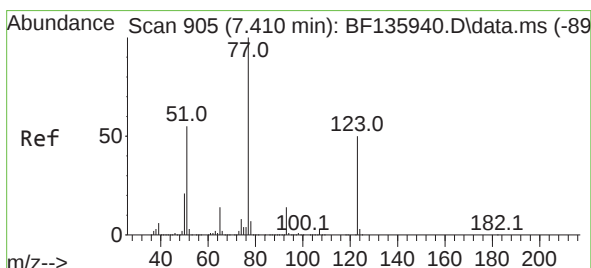
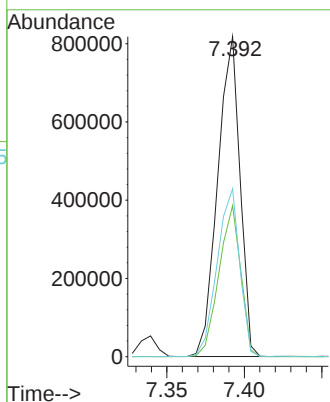
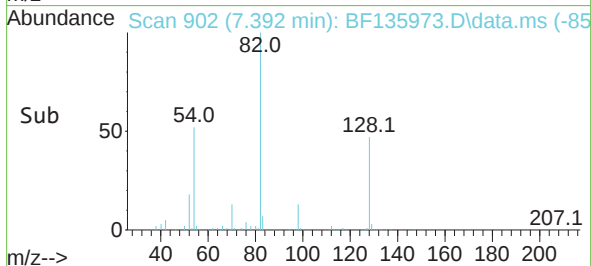


Tgt Ion: 82 Resp: 816970  
Ion Ratio Lower Upper  
82 100  
128 47.2 36.8 55.2  
54 52.5 43.4 65.0

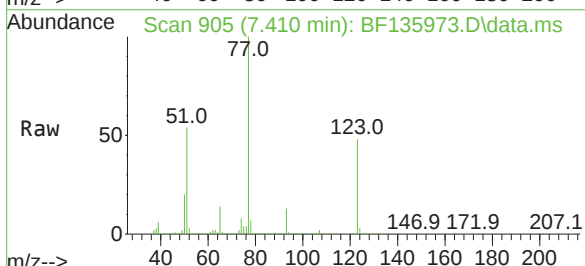
Manual Integrations

APPROVED

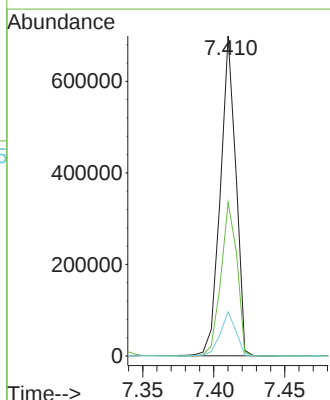
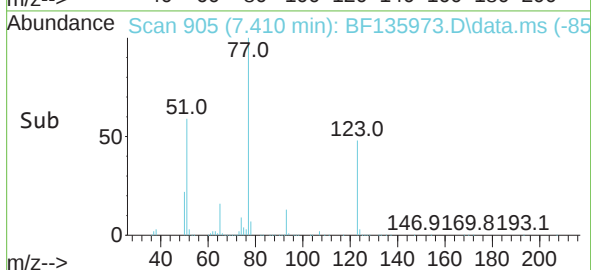
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

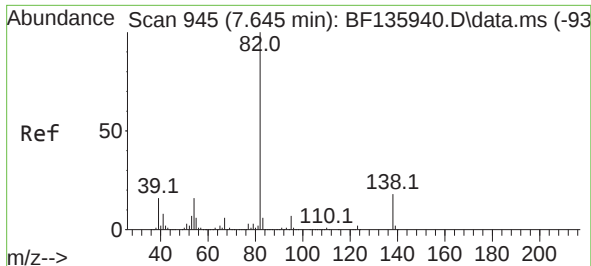


#24  
Nitrobenzene  
Concen: 50.533 ng  
RT: 7.410 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion: 77 Resp: 527980  
Ion Ratio Lower Upper  
77 100  
123 48.0 40.2 60.2  
65 13.8 11.0 16.4





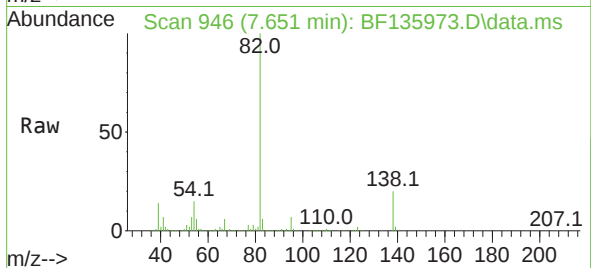
#25  
Isophorone  
Concen: 50.792 ng  
RT: 7.651 min Scan# 945  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

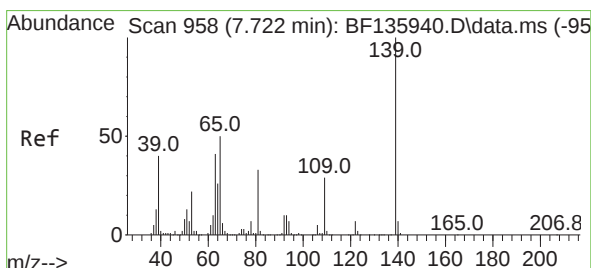
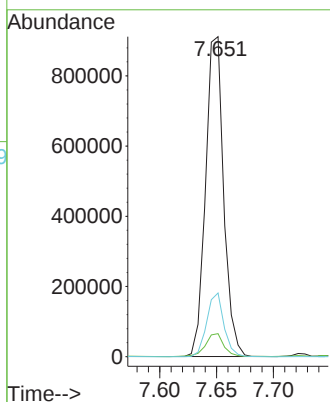
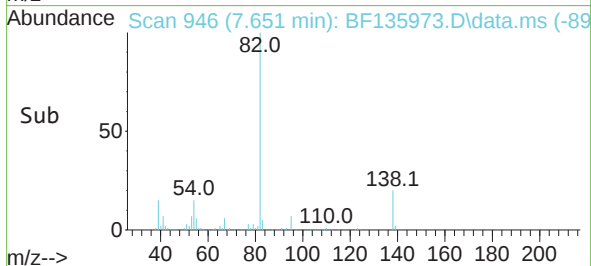


Tgt Ion: 82 Resp: 1010049  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.6 8.4  
138 19.9 14.8 22.2

Manual Integrations

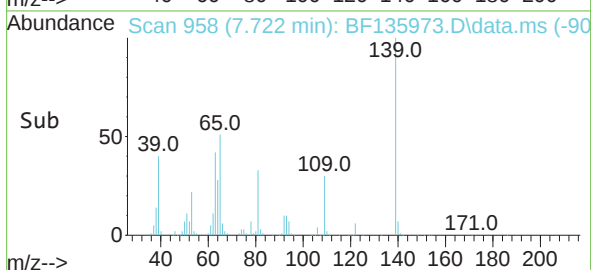
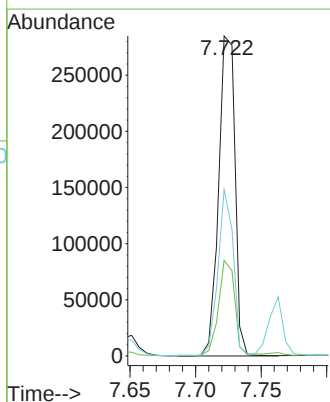
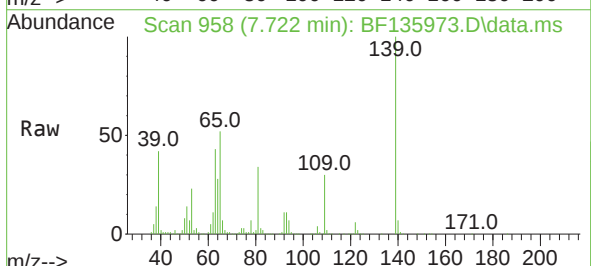
APPROVED

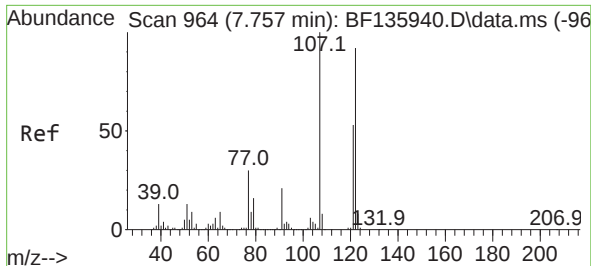
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#26  
2-Nitrophenol  
Concen: 60.177 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:139 Resp: 247219  
Ion Ratio Lower Upper  
139 100  
109 29.9 23.1 34.7  
65 52.0 39.8 59.8





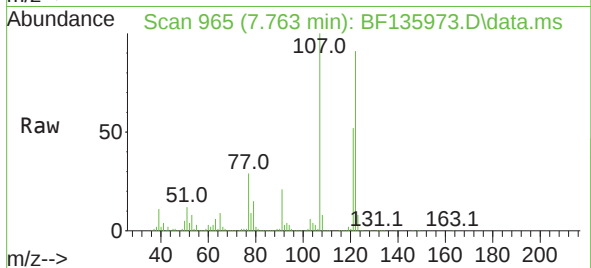
#27  
2,4-Dimethylphenol  
Concen: 45.903 ng  
RT: 7.763 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

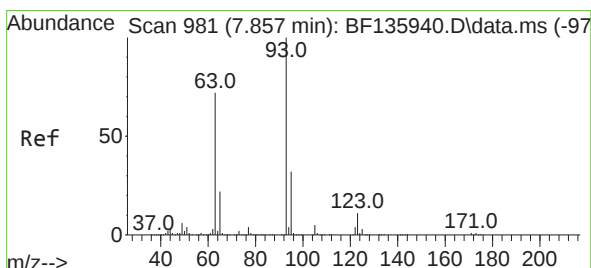
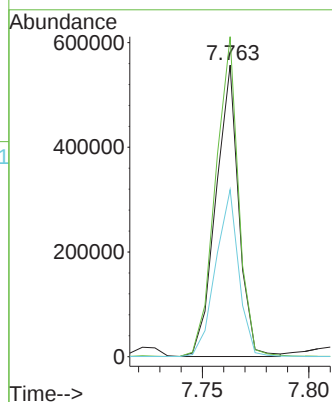
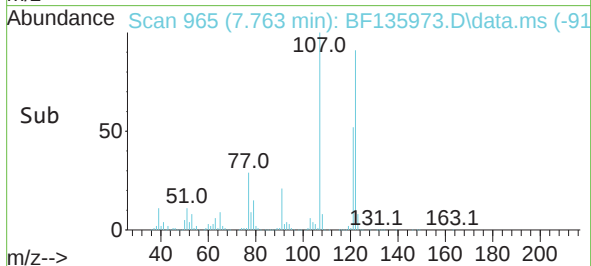


Tgt Ion:122 Resp: 416029  
Ion Ratio Lower Upper  
122 100  
107 109.8 87.1 130.7  
121 57.3 45.9 68.9

Manual Integrations

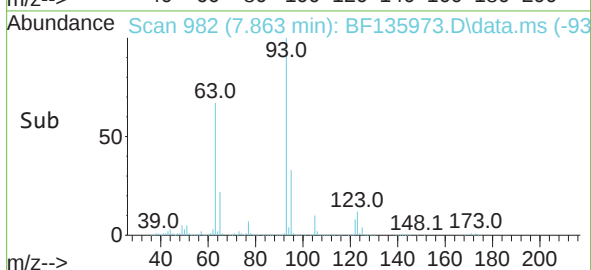
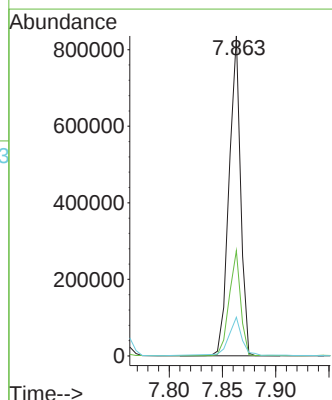
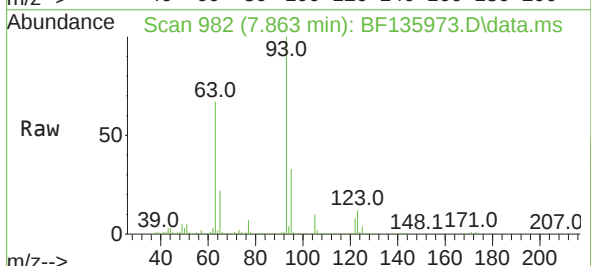
APPROVED

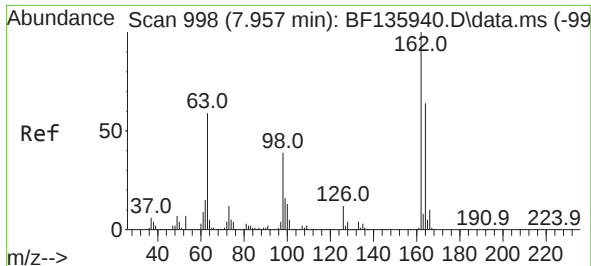
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 51.283 ng  
RT: 7.863 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion: 93 Resp: 626235  
Ion Ratio Lower Upper  
93 100  
95 32.9 25.9 38.9  
123 12.1 9.0 13.6





#29

2,4-Dichlorophenol

Concen: 52.878 ng

RT: 7.963 min Scan# 99

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

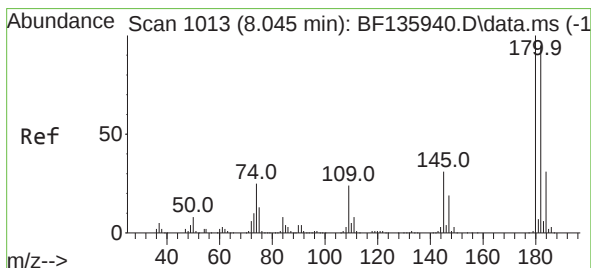
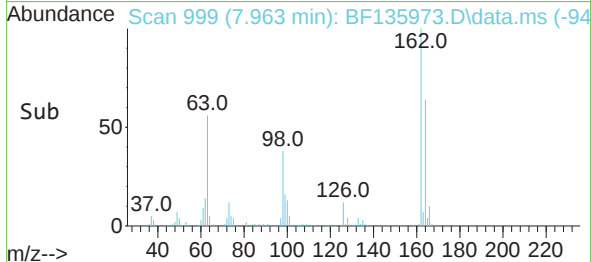
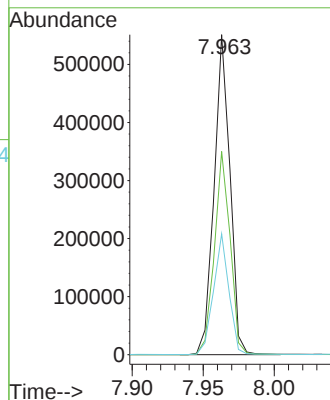
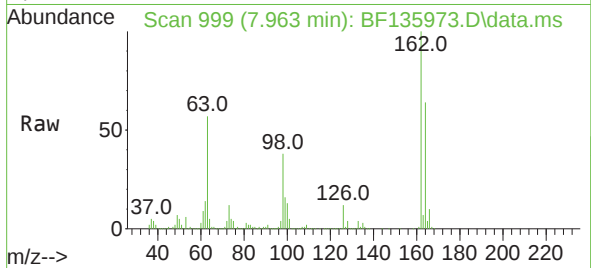
|             |             |
|-------------|-------------|
| Tgt Ion:162 | Resp: 42915 |
| Ion Ratio   | Lower Upper |
| 162 100     |             |
| 164 63.5    | 43.7 83.7   |
| 98 37.7     | 18.8 58.8   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 51.499 ng

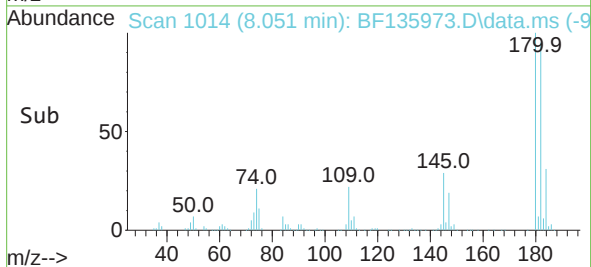
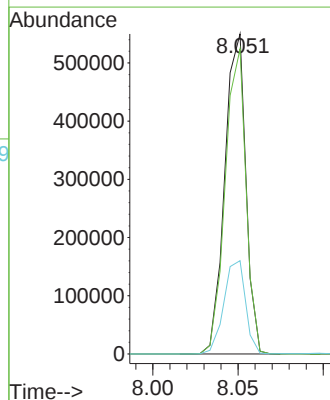
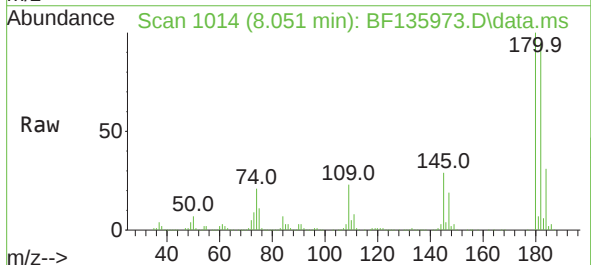
RT: 8.051 min Scan# 1014

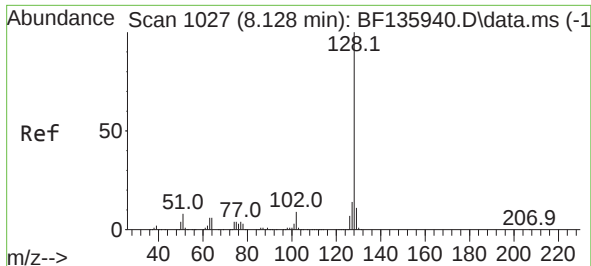
Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

|             |              |
|-------------|--------------|
| Tgt Ion:180 | Resp: 473228 |
| Ion Ratio   | Lower Upper  |
| 180 100     |              |
| 182 95.4    | 76.0 114.0   |
| 145 29.2    | 24.6 36.8    |





#31  
Naphthalene  
Concen: 49.929 ng  
RT: 8.134 min Scan# 1027  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

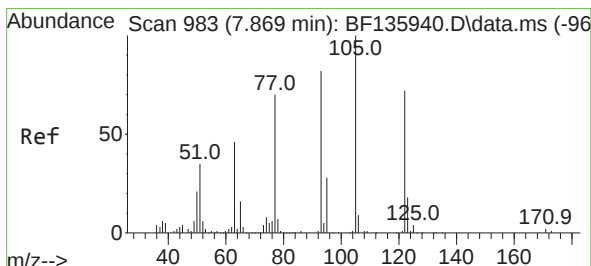
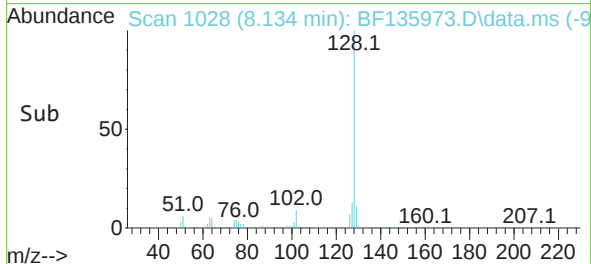
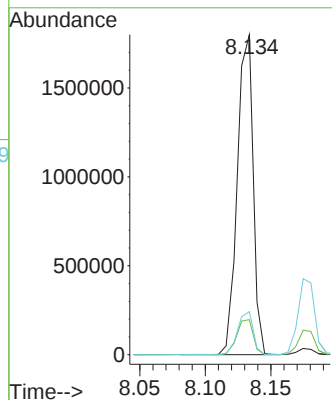
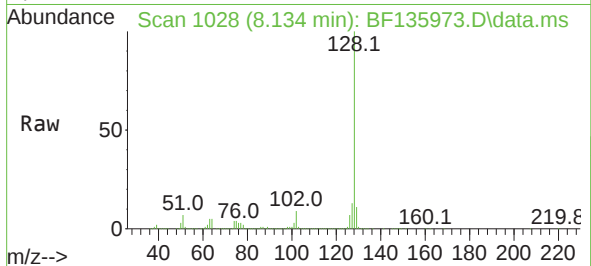
MMFB-4MSD

Tgt Ion:128 Resp: 151866  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.4 10.9 16.3

Manual Integrations

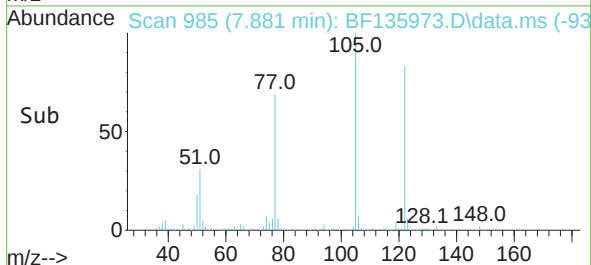
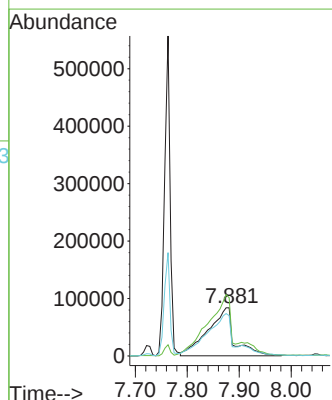
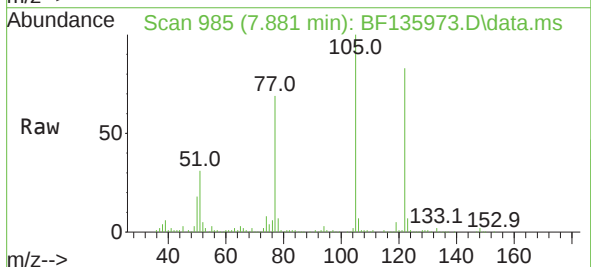
APPROVED

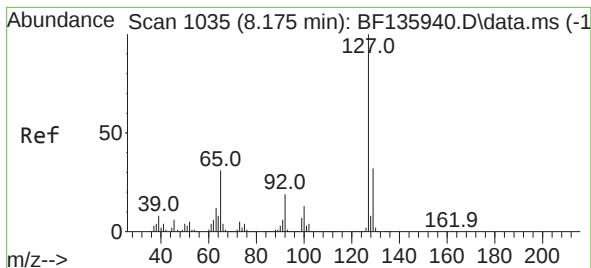
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#32  
Benzoic acid  
Concen: 59.808 ng m  
RT: 7.881 min Scan# 985  
Delta R.T. 0.012 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:122 Resp: 300053  
Ion Ratio Lower Upper  
122 100  
105 120.9 113.1 153.1  
77 83.8 75.2 115.2





#33  
4-Chloroaniline  
Concen: 28.410 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

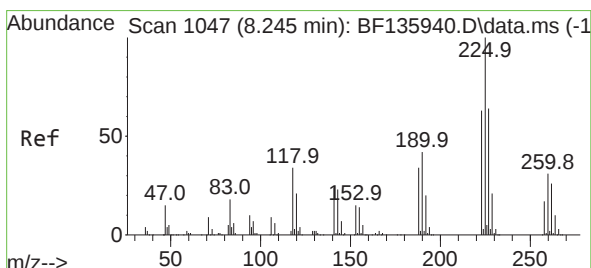
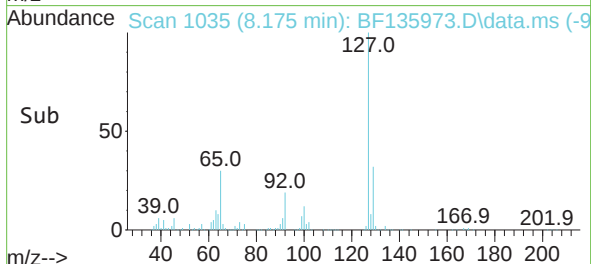
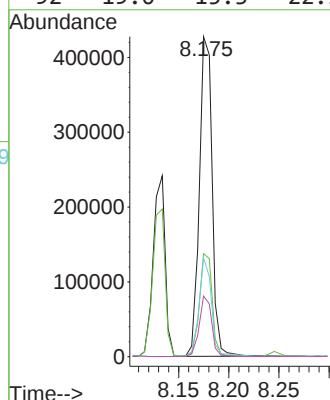
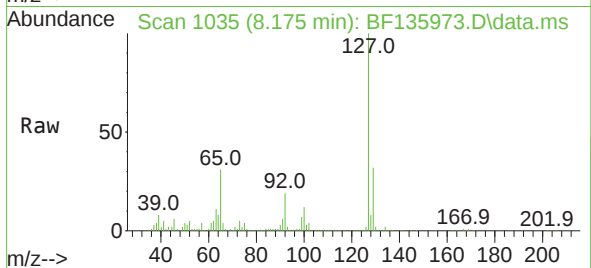
MMFB-4MSD

Tgt Ion:127 Resp: 38192  
Ion Ratio Lower Upper  
127 100  
129 32.2 25.7 38.5  
65 31.0 24.8 37.2  
92 19.0 15.3 22.9

Manual Integrations

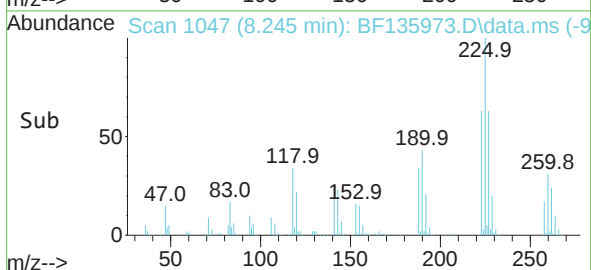
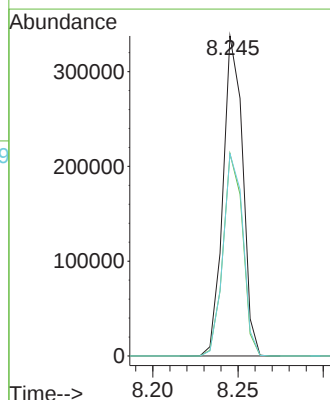
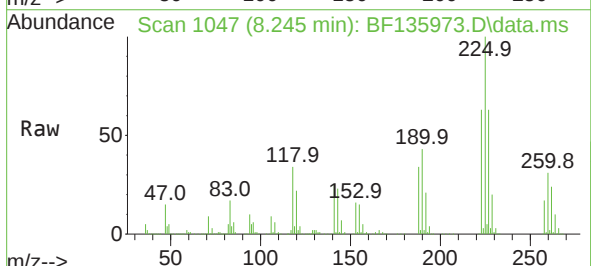
APPROVED

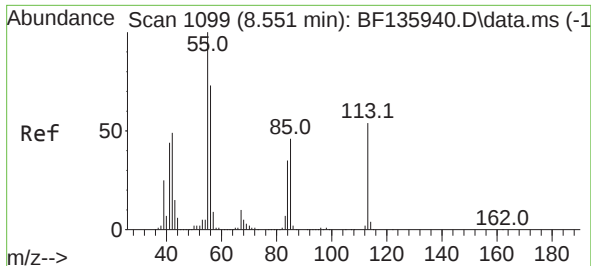
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#34  
Hexachlorobutadiene  
Concen: 52.330 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

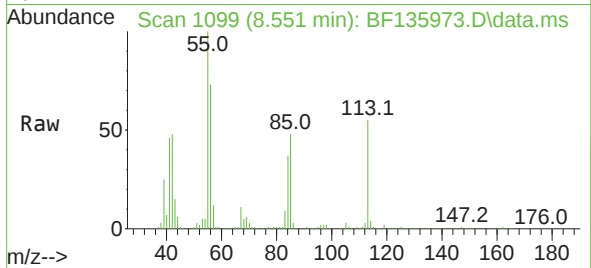
Tgt Ion:225 Resp: 271035  
Ion Ratio Lower Upper  
225 100  
223 63.2 50.6 75.8  
227 63.1 50.9 76.3





#35  
Caprolactam  
Concen: 51.419 ng m  
RT: 8.551 min Scan# 1099  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

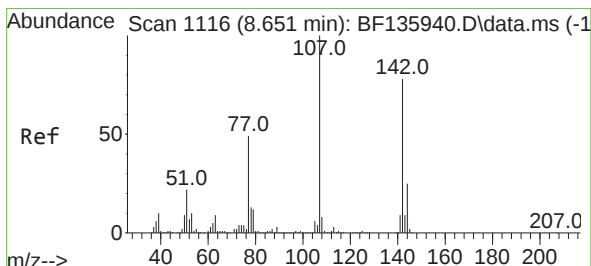
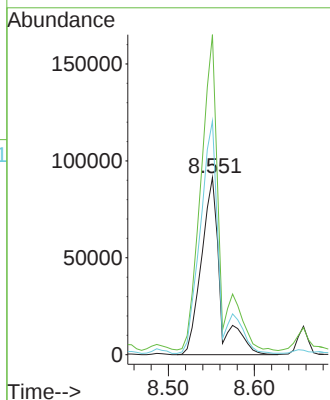
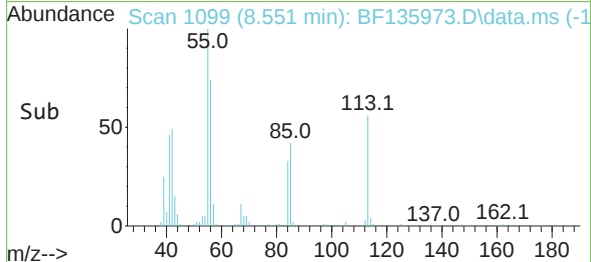
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



Tgt Ion:113 Resp: 138872  
Ion Ratio Lower Upper  
113 100  
55 180.6 165.4 205.4  
56 131.9 115.2 155.2

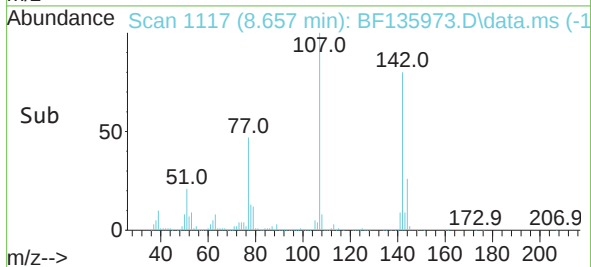
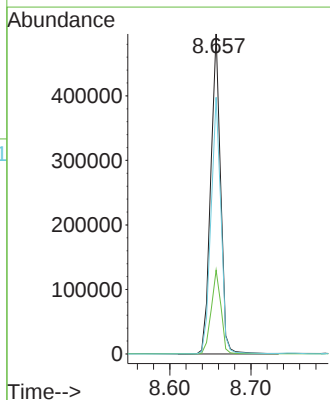
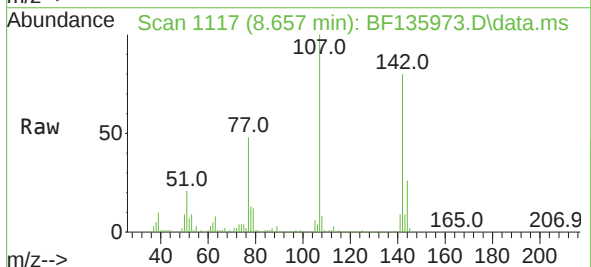
Manual Integrations  
APPROVED

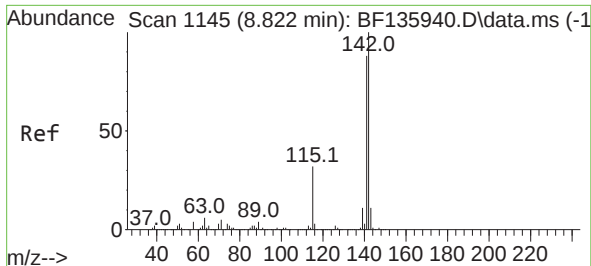
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#36  
4-Chloro-3-methylphenol  
Concen: 48.612 ng  
RT: 8.657 min Scan# 1117  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:107 Resp: 419272  
Ion Ratio Lower Upper  
107 100  
144 26.2 19.9 29.9  
142 80.2 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 45.678 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

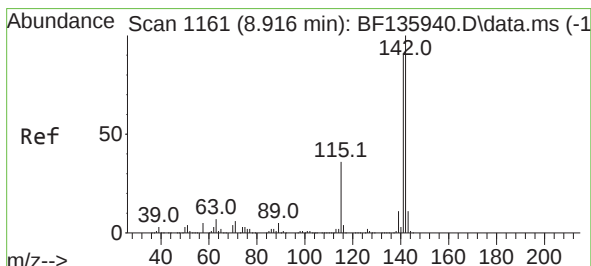
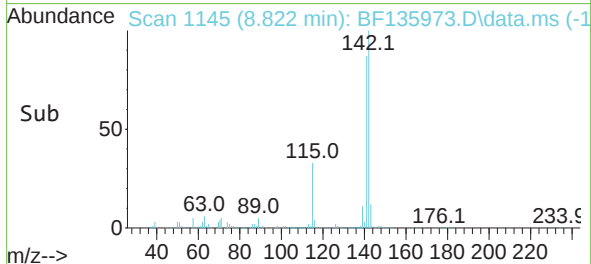
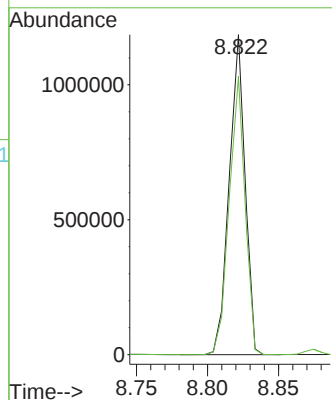
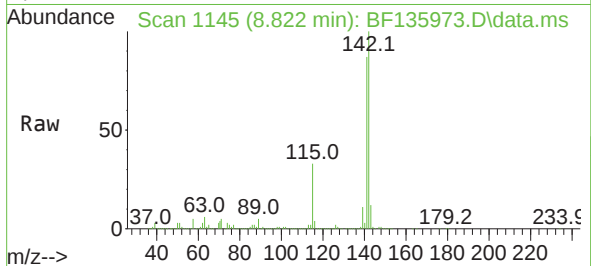
MMFB-4MSD

Tgt Ion:142 Resp: 91924  
Ion Ratio Lower Upper  
142 100  
141 87.0 70.4 105.6

Manual Integrations

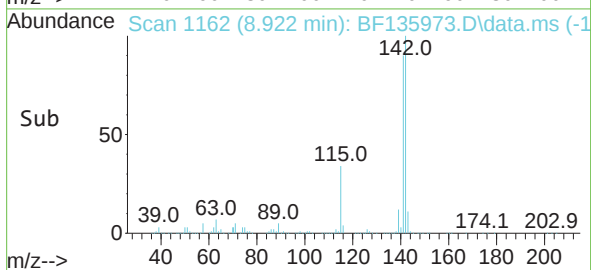
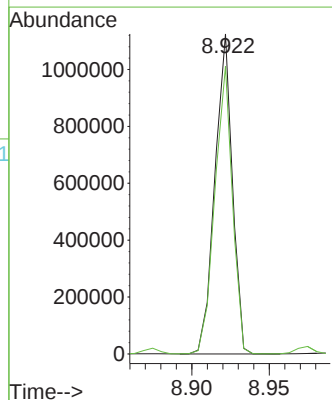
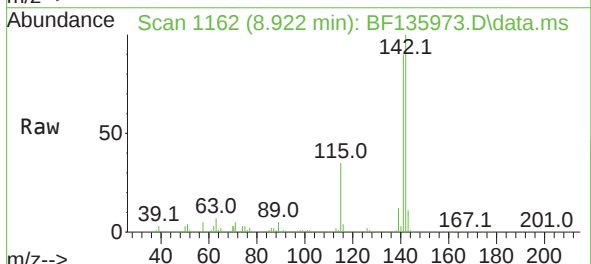
APPROVED

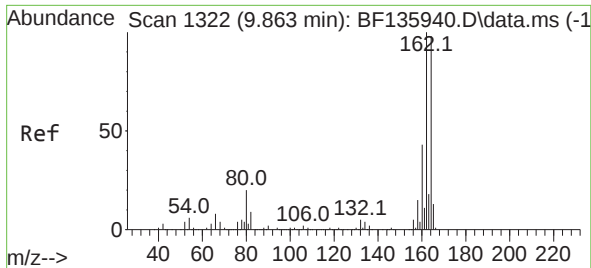
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#38  
1-Methylnaphthalene  
Concen: 46.920 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:142 Resp: 882310  
Ion Ratio Lower Upper  
142 100  
141 89.9 73.1 109.7





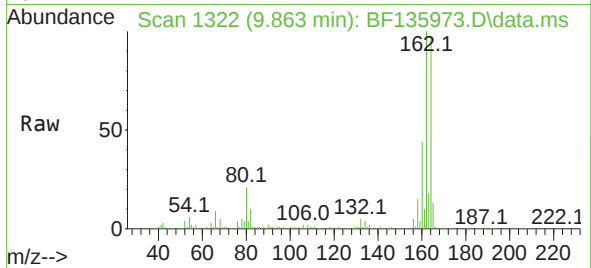
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

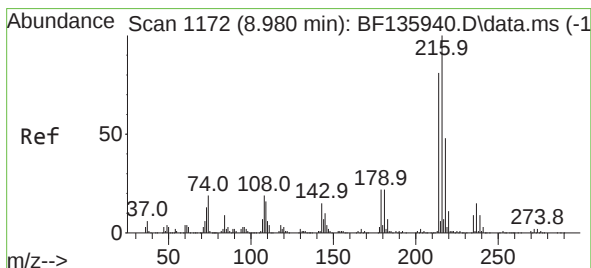
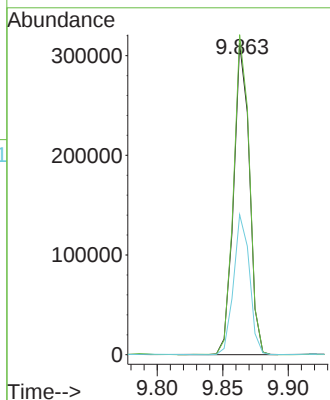
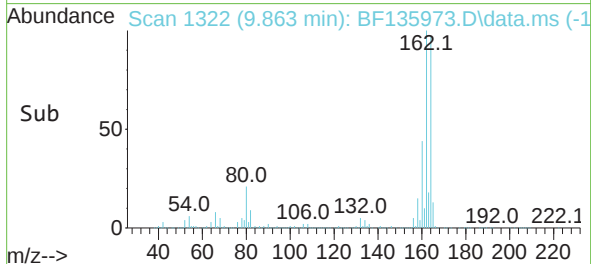


Tgt Ion:164 Resp: 26248  
Ion Ratio Lower Upper  
164 100  
162 102.9 82.0 123.0  
160 45.0 35.6 53.4

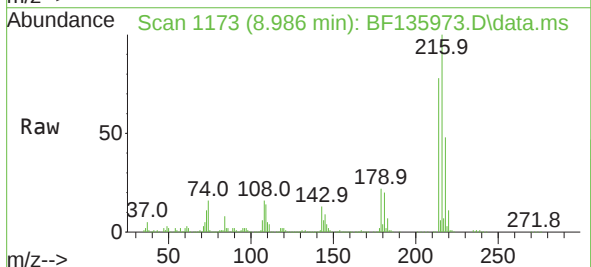
Manual Integrations

APPROVED

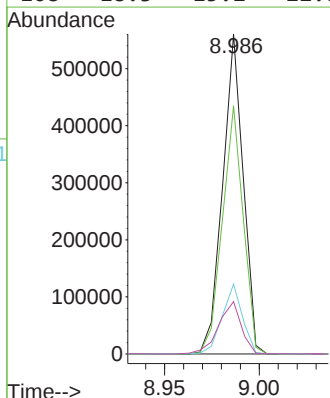
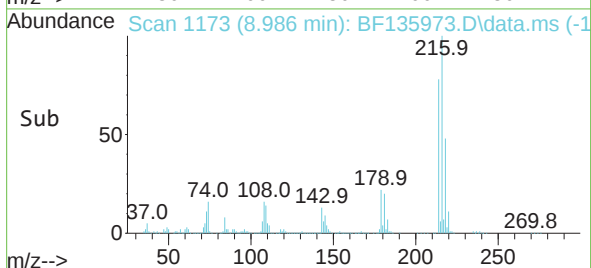
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

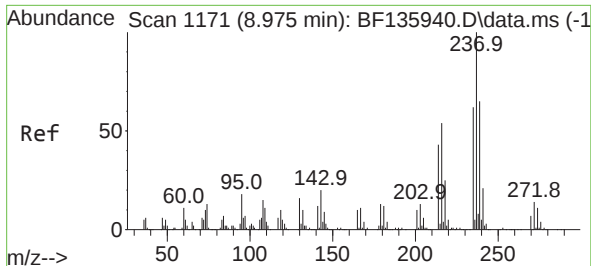


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 57.146 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:216 Resp: 423656  
Ion Ratio Lower Upper  
216 100  
214 78.4 63.3 94.9  
179 21.7 17.3 25.9  
108 18.3 15.2 22.8





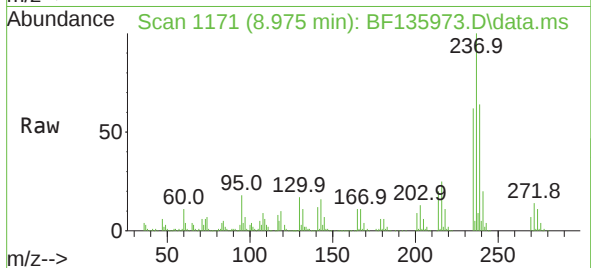
#41  
Hexachlorocyclopentadiene  
Concen: 46.354 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

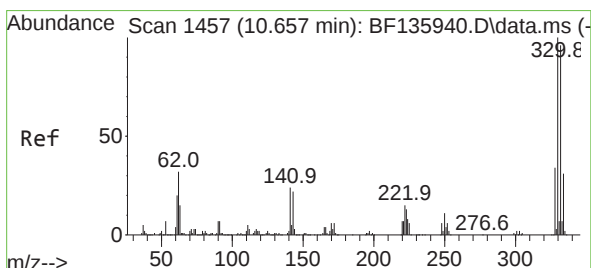
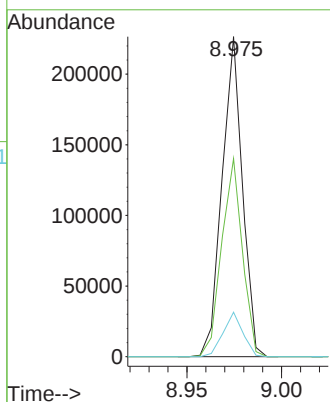
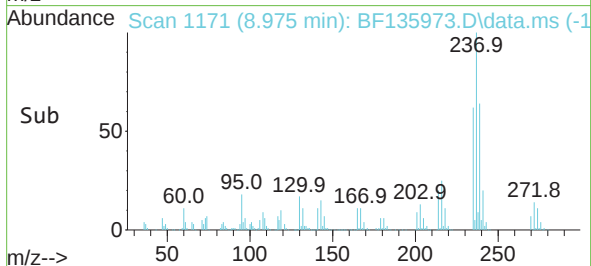


Tgt Ion:237 Resp: 169440  
Ion Ratio Lower Upper  
237 100  
235 61.9 41.7 81.7  
272 13.9 0.0 33.6

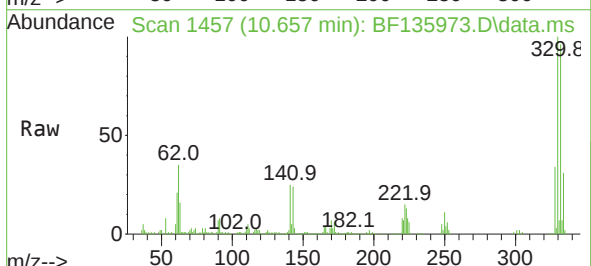
Manual Integrations

APPROVED

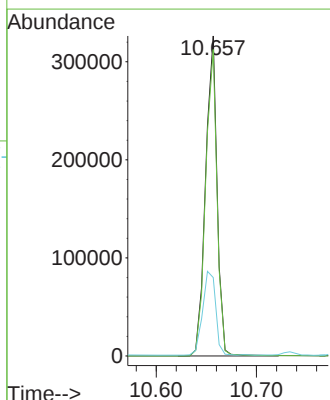
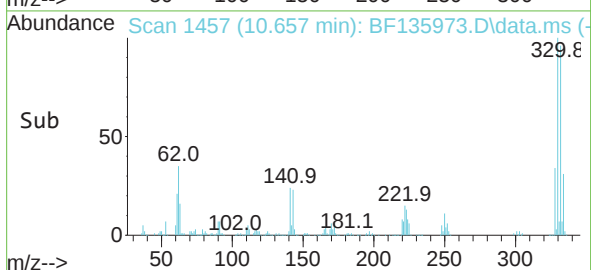
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

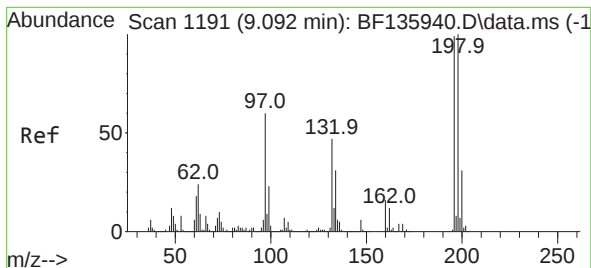


#42  
2,4,6-Tribromophenol  
Concen: 113.932 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:330 Resp: 261758  
Ion Ratio Lower Upper  
330 100  
332 95.6 77.4 116.2  
141 29.9 24.9 37.3





#43

2,4,6-Trichlorophenol

Concen: 61.844 ng

RT: 9.098 min Scan# 1191

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:196 Resp: 268344

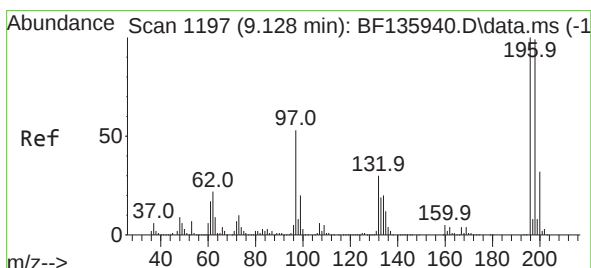
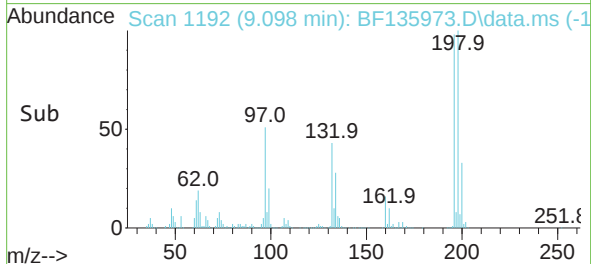
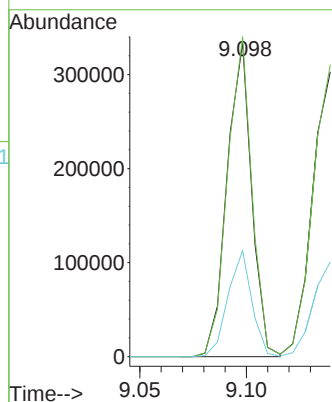
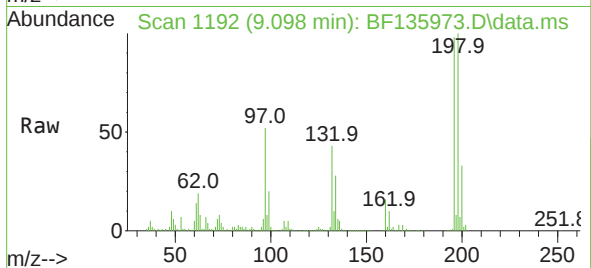
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 101.9 | 81.0  | 121.4 |
| 200 | 33.8  | 25.4  | 38.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#44

2,4,5-Trichlorophenol

Concen: 53.415 ng

RT: 9.139 min Scan# 1199

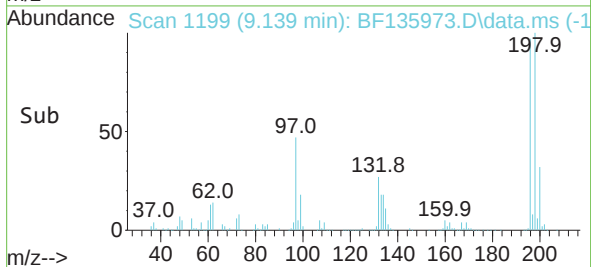
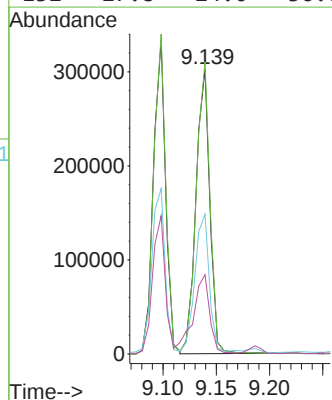
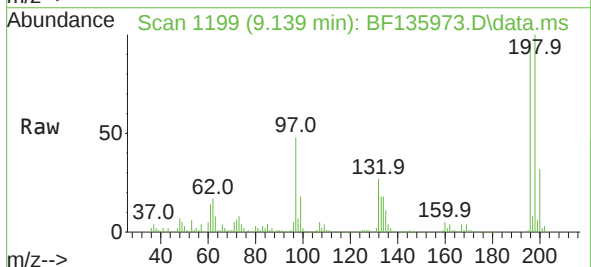
Delta R.T. 0.012 min

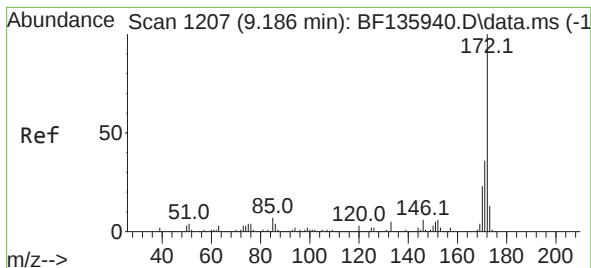
Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion:196 Resp: 275185

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 196 | 100   |       |       |
| 198 | 102.6 | 79.1  | 118.7 |
| 97  | 49.1  | 42.3  | 63.5  |
| 132 | 27.8  | 24.0  | 36.0  |





#45

2-Fluorobiphenyl

Concen: 87.262 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:172 Resp: 143042

Ion Ratio Lower Upper

172 100

171 36.5 28.6 43.0

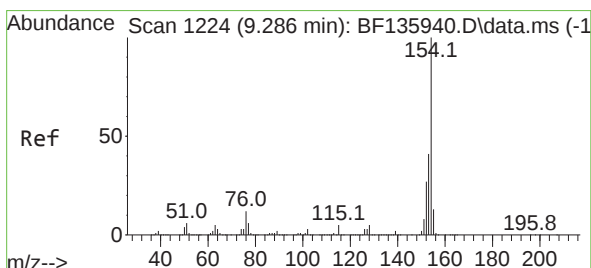
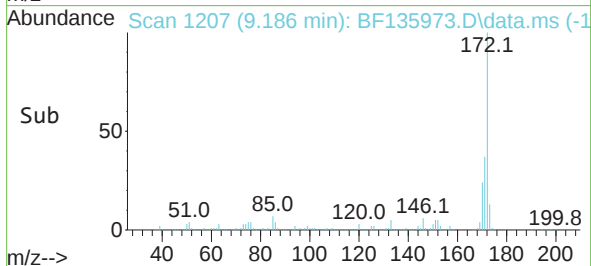
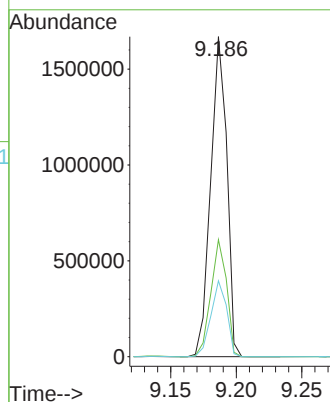
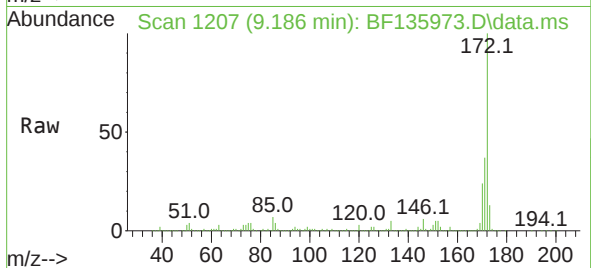
170 23.7 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#46

1,1'-Biphenyl

Concen: 55.682 ng

RT: 9.286 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

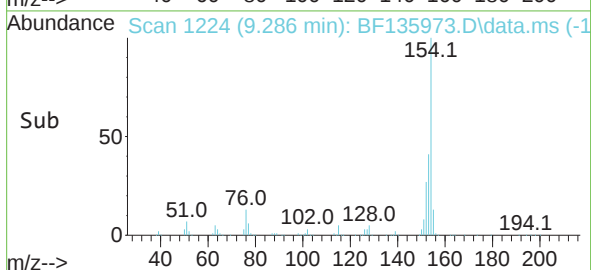
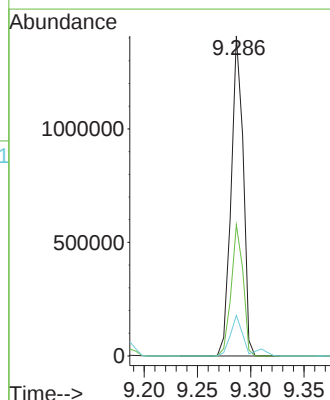
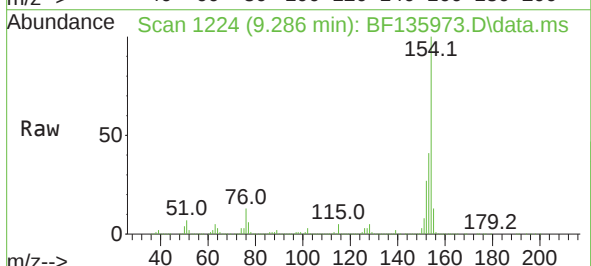
Tgt Ion:154 Resp: 1107461

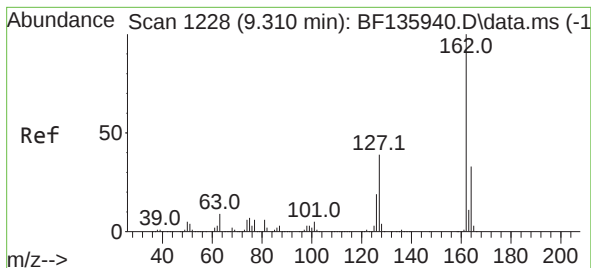
Ion Ratio Lower Upper

154 100

153 41.0 20.7 60.7

76 12.7 0.0 32.4





#47

2-Chloronaphthalene

Concen: 55.113 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:162 Resp: 81078

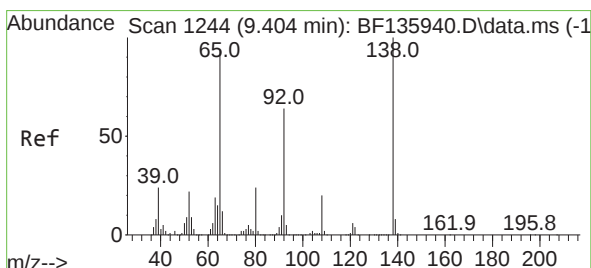
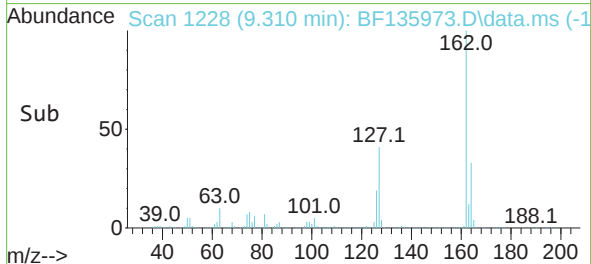
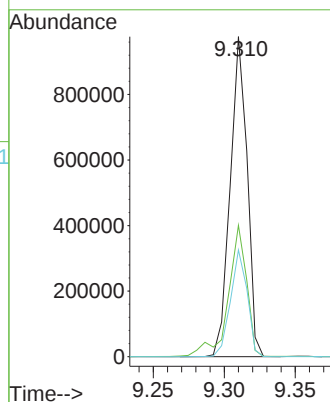
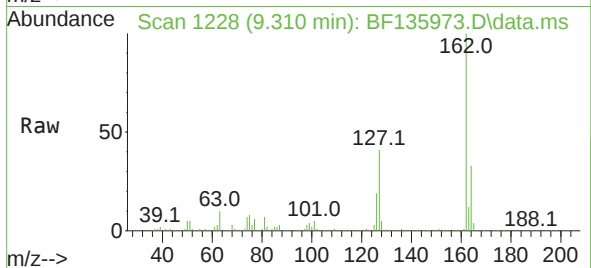
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 41.0  | 31.0  | 46.4  |
| 164 | 33.4  | 26.6  | 39.8  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#48

2-Nitroaniline

Concen: 55.635 ng

RT: 9.404 min Scan# 1244

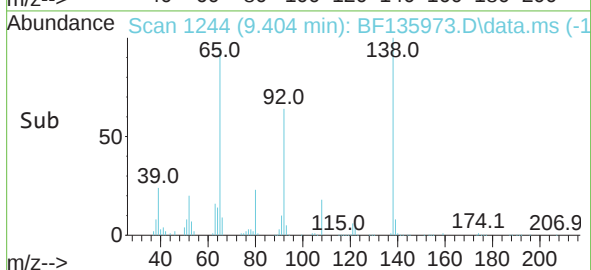
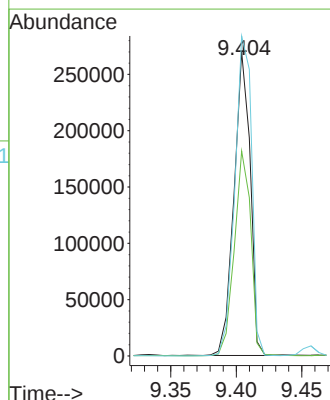
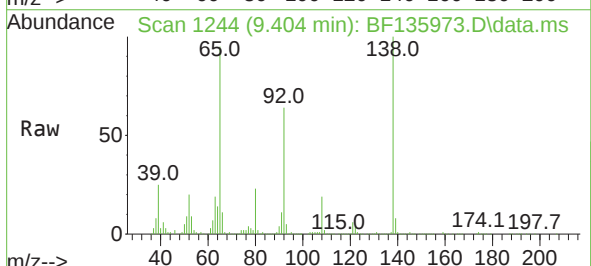
Delta R.T. 0.000 min

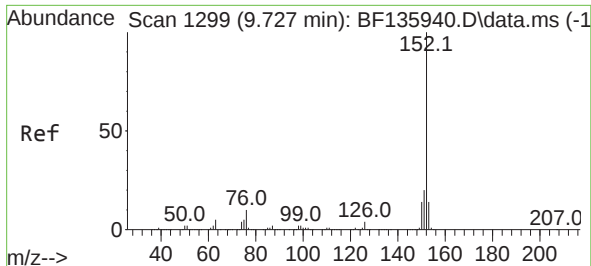
Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion: 65 Resp: 231871

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 67.4  | 54.9  | 82.3  |
| 138 | 105.2 | 85.2  | 127.8 |





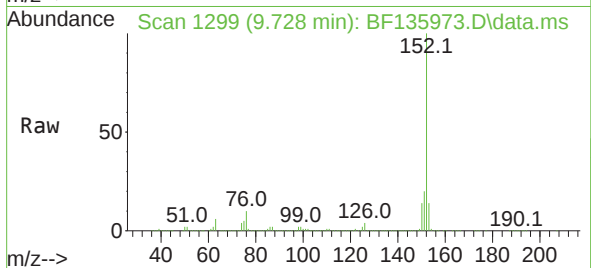
#49  
Acenaphthylene  
Concen: 52.819 ng  
RT: 9.728 min Scan# 1299  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

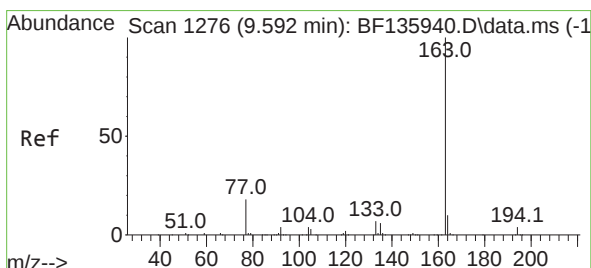
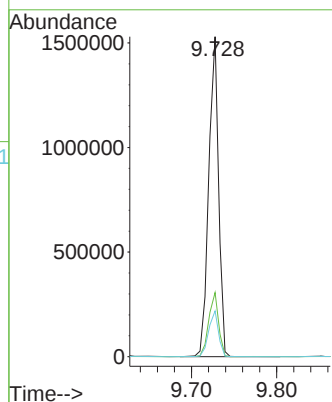
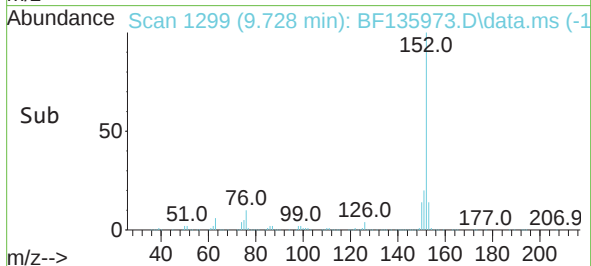


Tgt Ion:152 Resp: 122584  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.0 24.0  
153 14.3 11.0 16.6

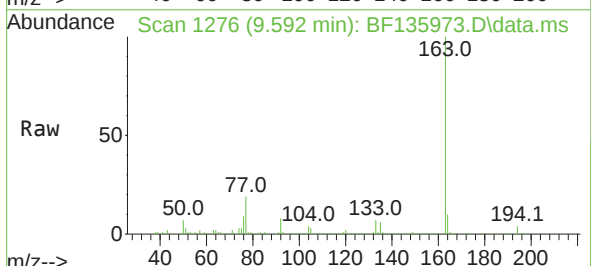
Manual Integrations

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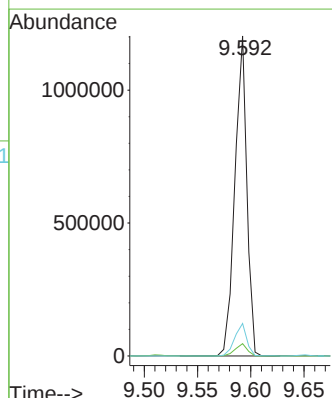
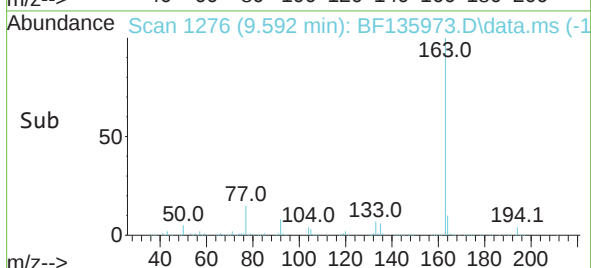
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

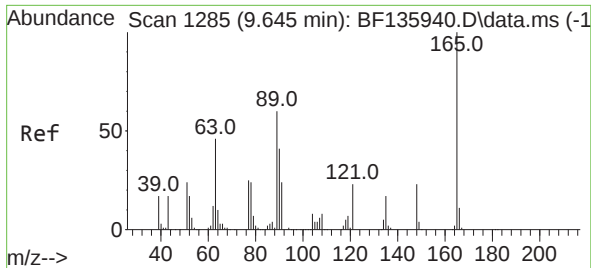


#50  
Dimethylphthalate  
Concen: 55.286 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:163 Resp: 941077  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.4 5.0  
164 10.1 8.3 12.5





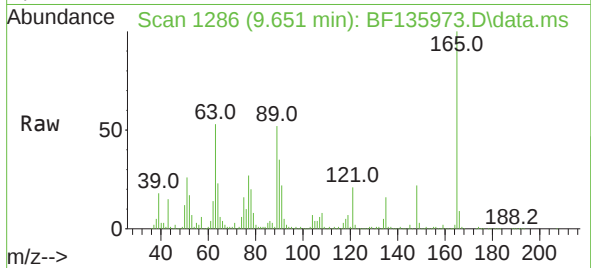
#51  
2,6-Dinitrotoluene  
Concen: 53.790 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

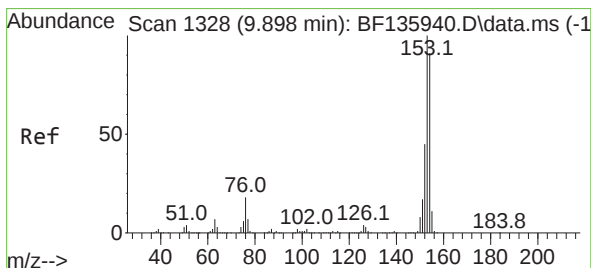
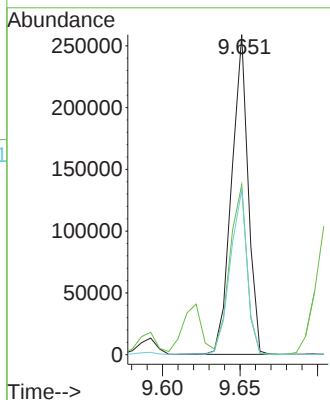
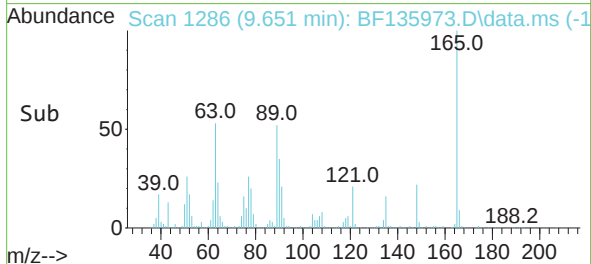


Tgt Ion:165 Resp: 19212  
Ion Ratio Lower Upper  
165 100  
63 53.2 51.7 77.5  
89 51.6 48.3 72.5

Manual Integrations

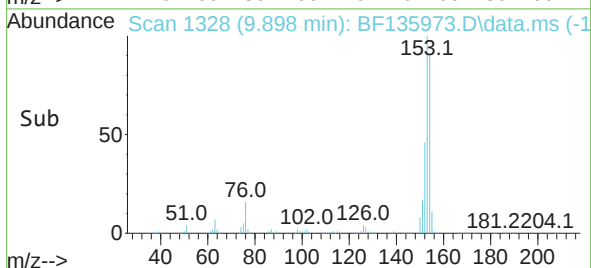
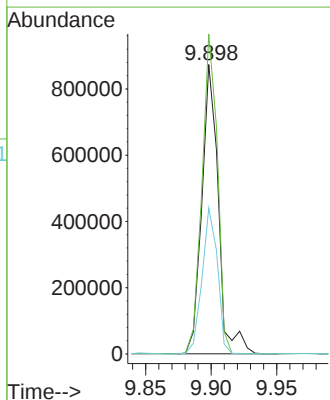
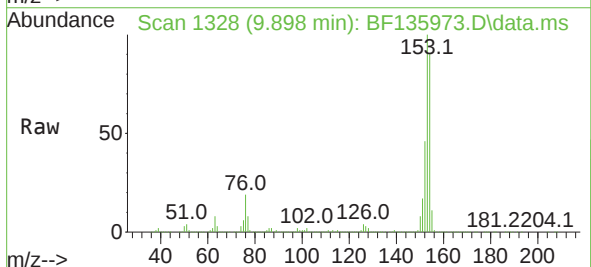
APPROVED

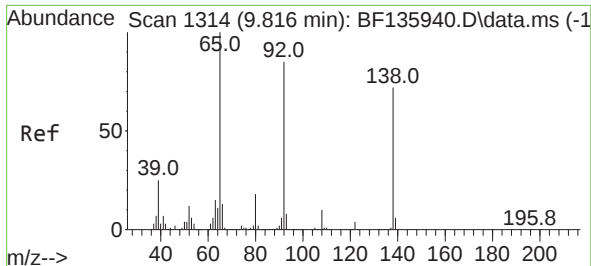
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#52  
Acenaphthene  
Concen: 51.394 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:154 Resp: 764412  
Ion Ratio Lower Upper  
154 100  
153 110.5 88.0 132.0  
152 50.4 39.4 59.2





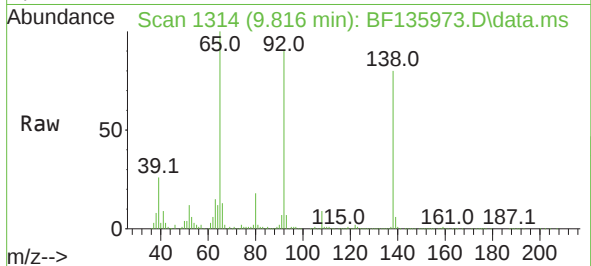
#53  
3-Nitroaniline  
Concen: 43.268 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

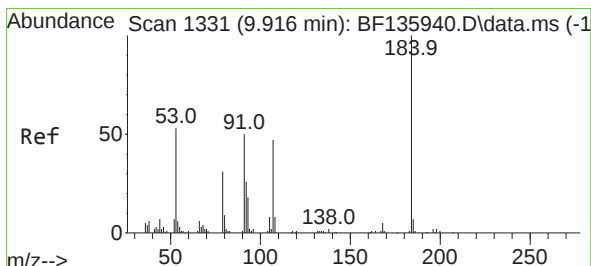
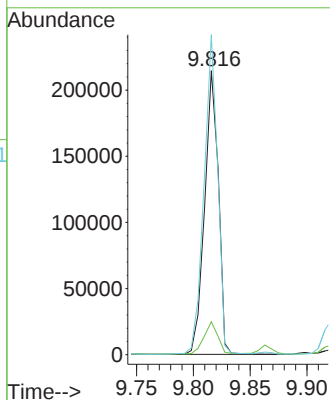
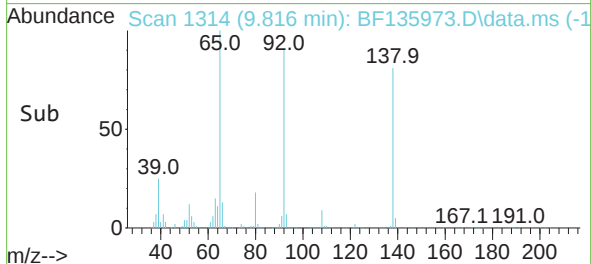
MMFB-4MSD



Tgt Ion:138 Resp: 18060  
Ion Ratio Lower Upper  
138 100  
108 11.6 11.3 16.9  
92 112.7 95.0 142.6

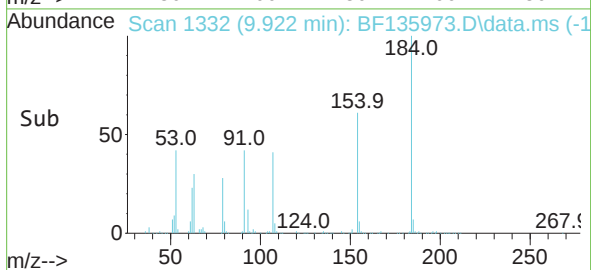
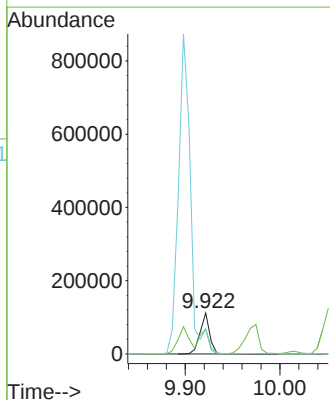
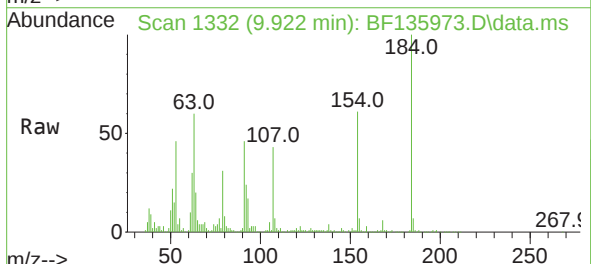
Manual Integrations  
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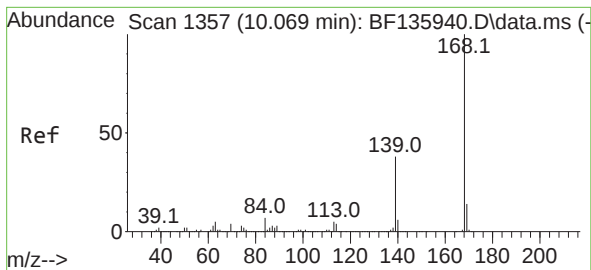
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#54  
2,4-Dinitrophenol  
Concen: 68.038 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:184 Resp: 78990  
Ion Ratio Lower Upper  
184 100  
63 60.4 56.3 84.5  
154 61.2 48.1 72.1





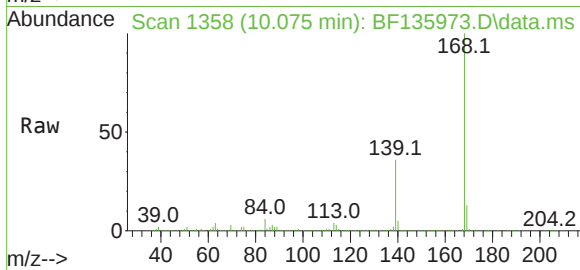
#55  
Dibenzenofuran  
Concen: 48.046 ng  
RT: 10.075 min Scan# 1358  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

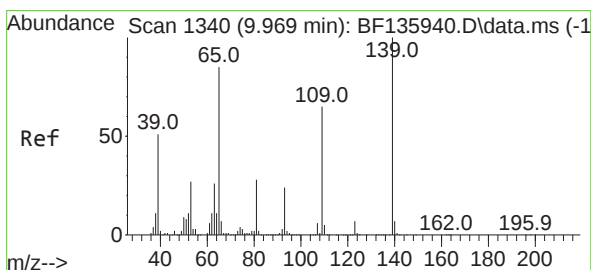
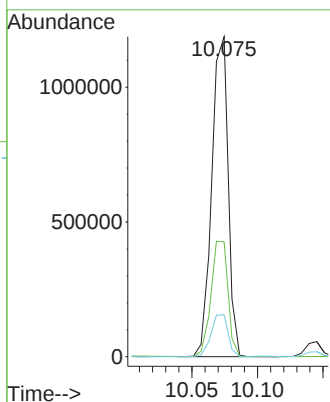
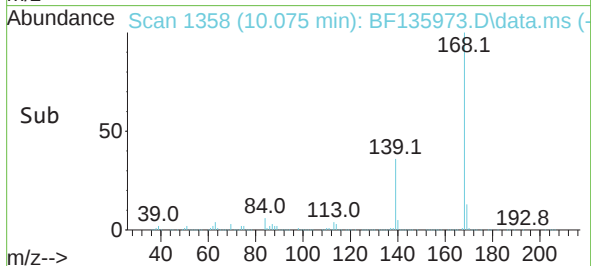


Tgt Ion:168 Resp: 1032380  
Ion Ratio Lower Upper  
168 100  
139 35.9 30.7 46.1  
169 13.1 11.1 16.7

Manual Integrations

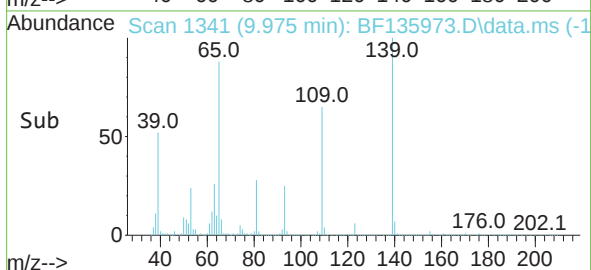
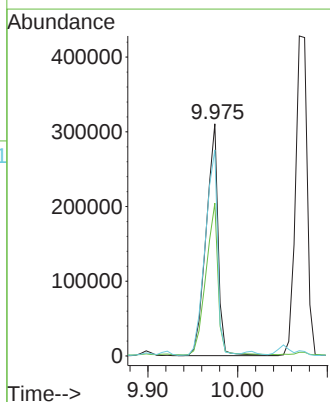
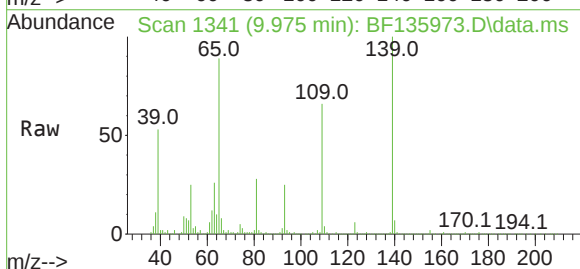
APPROVED

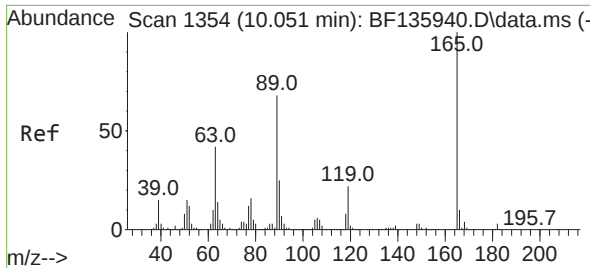
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#56  
4-Nitrophenol  
Concen: 84.104 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:139 Resp: 289981  
Ion Ratio Lower Upper  
139 100  
109 65.8 45.2 85.2  
65 88.7 65.1 105.1





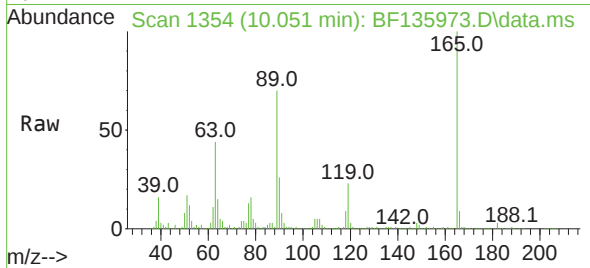
#57  
2,4-Dinitrotoluene  
Concen: 51.134 ng  
RT: 10.051 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

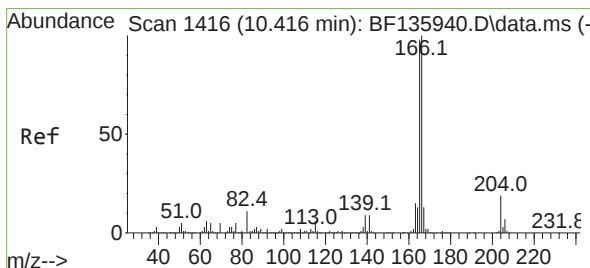
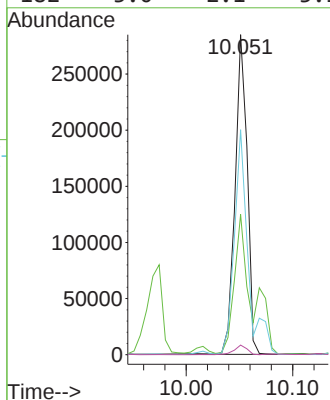
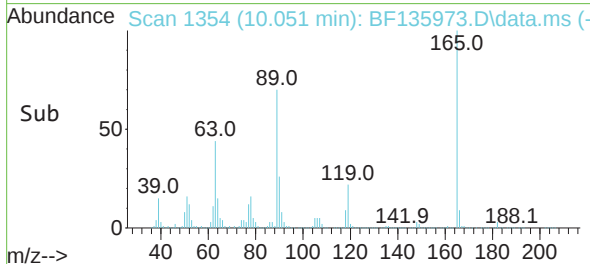


Tgt Ion:165 Resp: 225252  
Ion Ratio Lower Upper  
165 100  
63 43.8 33.7 50.5  
89 70.3 54.6 81.8  
182 3.0 2.1 3.1

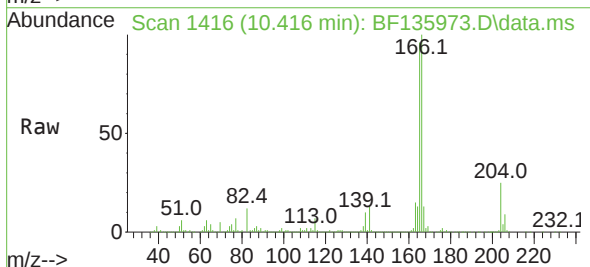
Manual Integrations

APPROVED

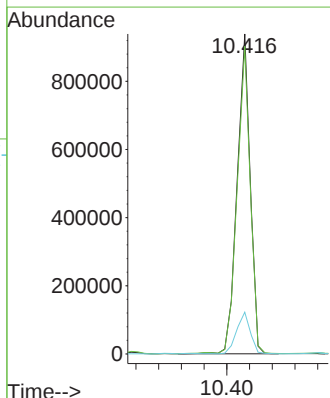
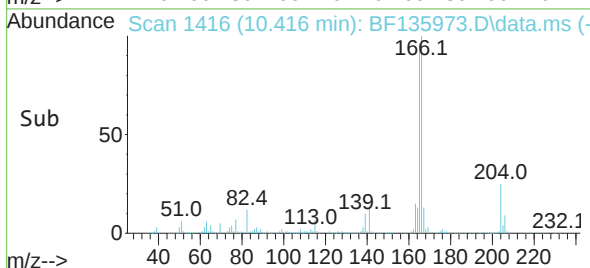
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

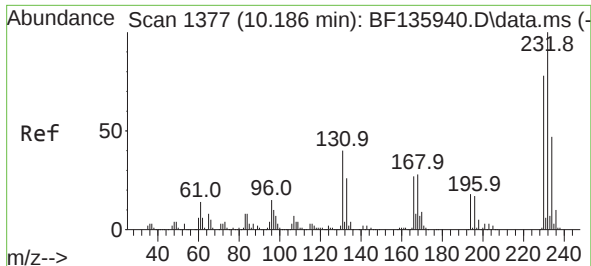


#58  
Fluorene  
Concen: 46.426 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



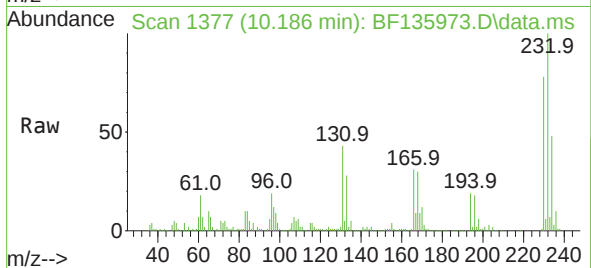
Tgt Ion:166 Resp: 746320  
Ion Ratio Lower Upper  
166 100  
165 96.1 78.0 117.0  
167 13.0 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.029 ng m  
RT: 10.186 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

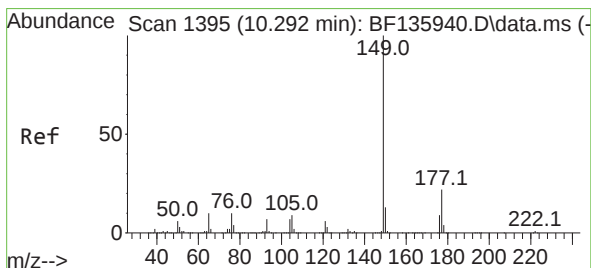
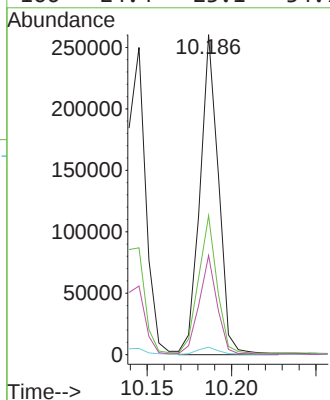
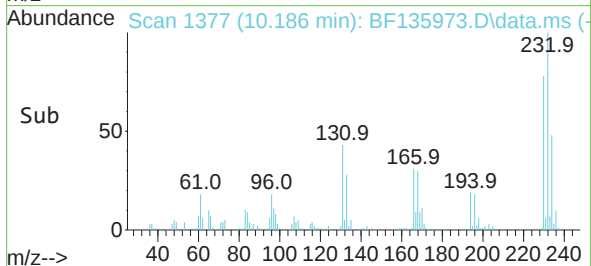
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



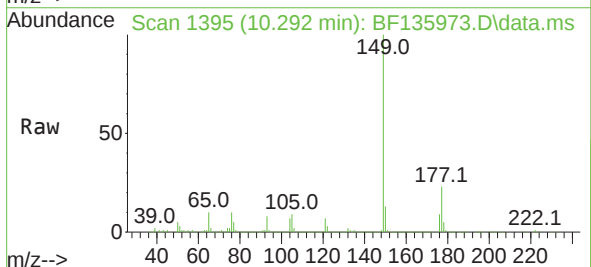
Tgt Ion:232 Resp: 19782  
Ion Ratio Lower Upper  
232 100  
131 40.0 35.2 52.8  
130 2.4 1.7 2.5  
166 24.4 23.1 34.7

Manual Integrations  
APPROVED

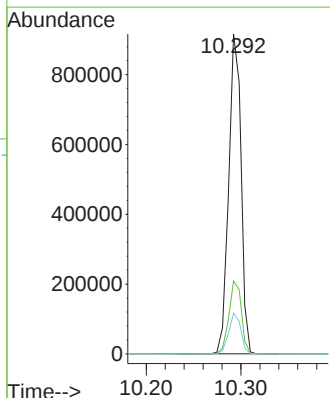
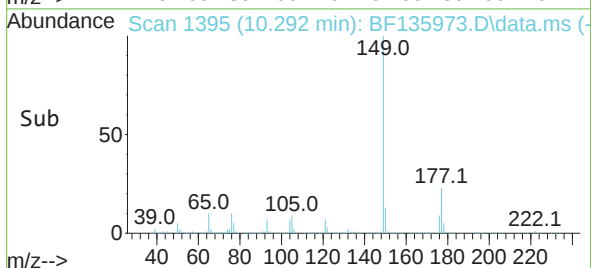
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

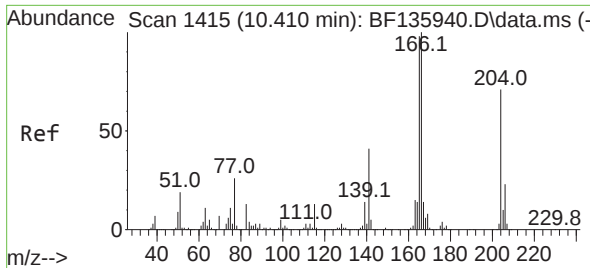


#60  
Diethylphthalate  
Concen: 51.221 ng  
RT: 10.292 min Scan# 1395  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:149 Resp: 831409  
Ion Ratio Lower Upper  
149 100  
177 22.8 17.9 26.9  
150 12.8 10.2 15.2





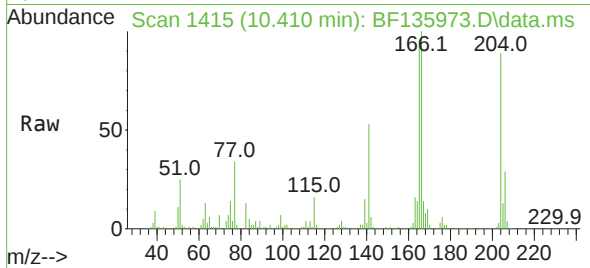
#61  
4-Chlorophenyl-phenylether  
Concen: 47.663 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

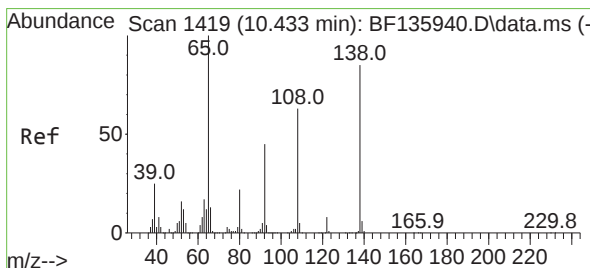
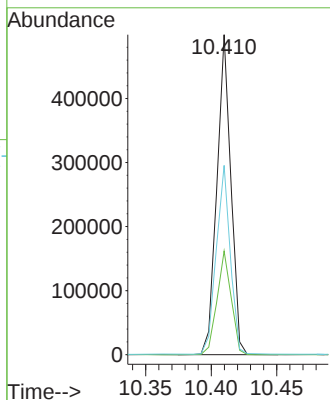
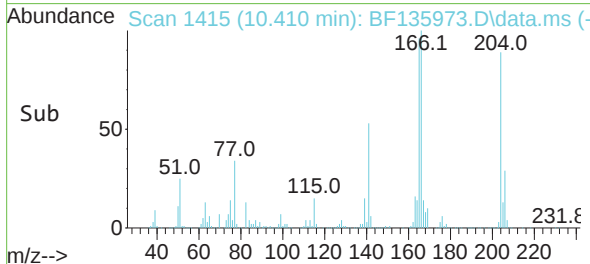


Tgt Ion:204 Resp: 369600  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.4 39.6  
141 59.1 46.2 69.2

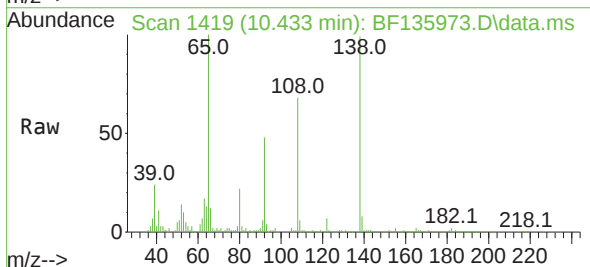
Manual Integrations

APPROVED

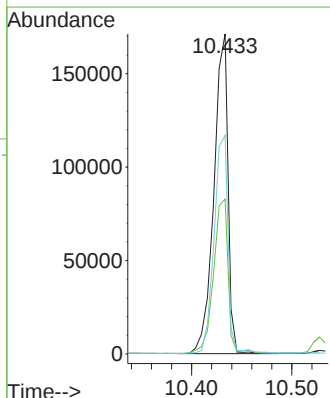
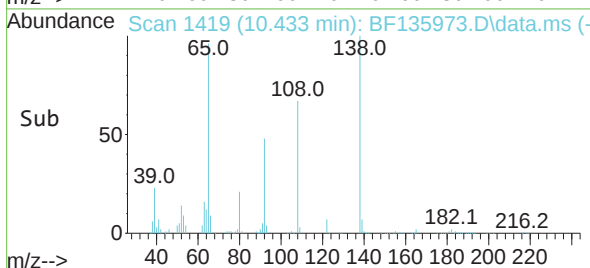
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

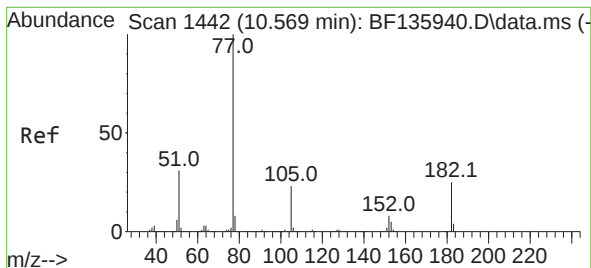


#62  
4-Nitroaniline  
Concen: 40.735 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:138 Resp: 167057  
Ion Ratio Lower Upper  
138 100  
92 48.4 32.9 72.9  
108 68.3 53.5 93.5





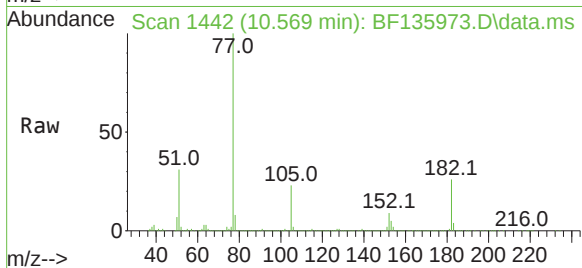
#63  
Azobenzene  
Concen: 44.044 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

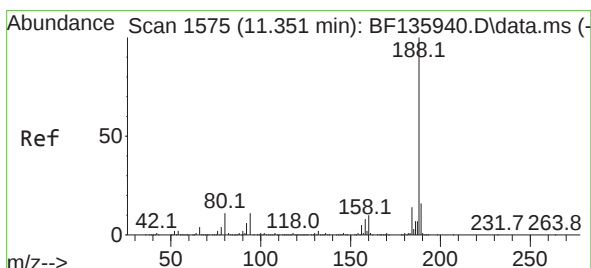
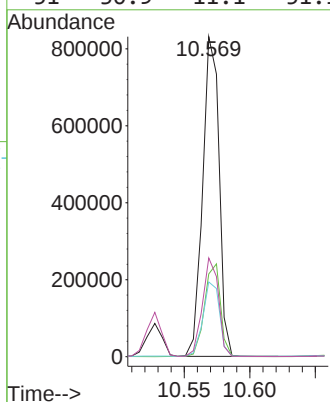
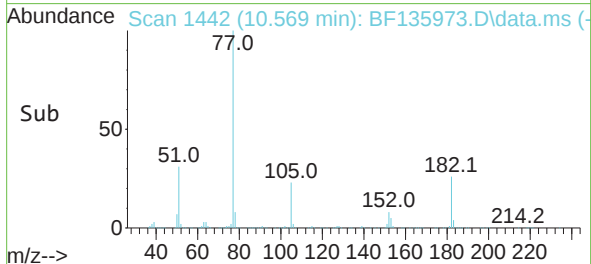


Tgt Ion: 77 Resp: 725504  
Ion Ratio Lower Upper  
77 100  
182 25.9 5.1 45.1  
105 23.4 2.8 42.8  
51 30.9 11.1 51.1

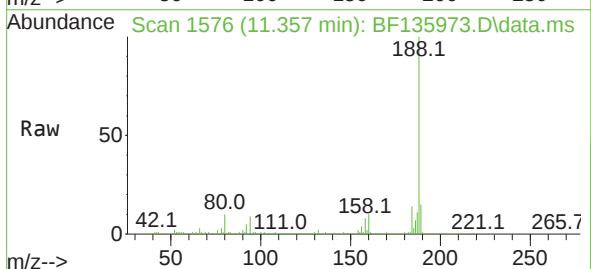
Manual Integrations

APPROVED

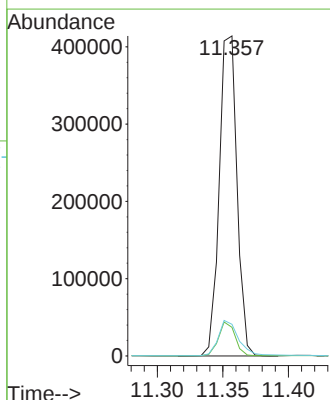
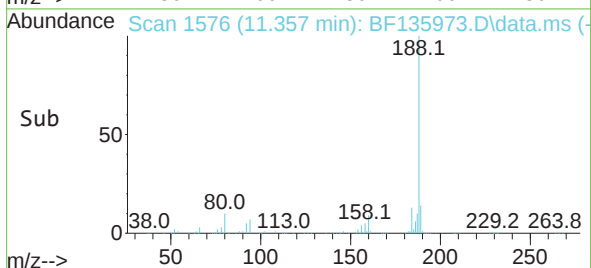
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

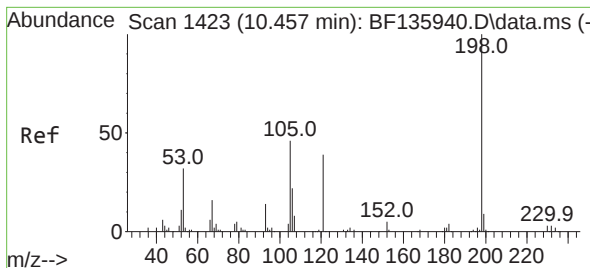


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



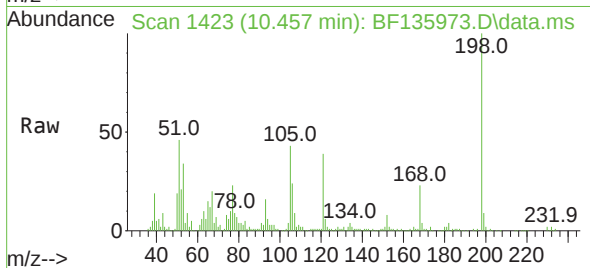
Tgt Ion:188 Resp: 388631  
Ion Ratio Lower Upper  
188 100  
94 9.0 8.6 13.0  
80 9.9 9.0 13.6





#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.294 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

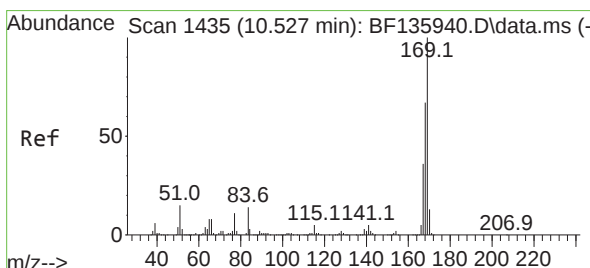
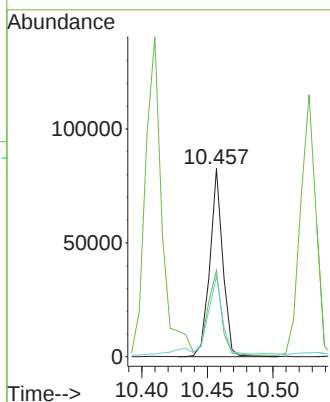
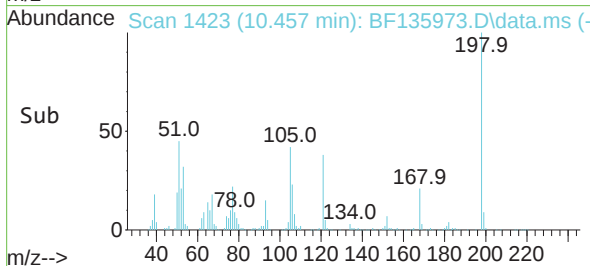
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



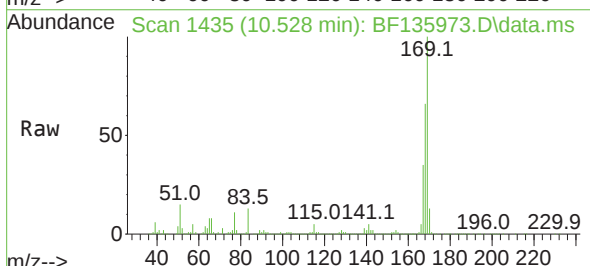
Tgt Ion:198 Resp: 5689  
Ion Ratio Lower Upper  
198 100  
51 45.7 28.7 68.7  
105 42.8 27.2 67.2

Manual Integrations  
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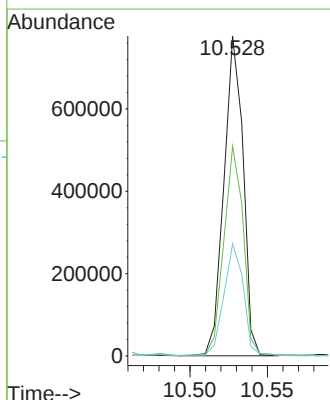
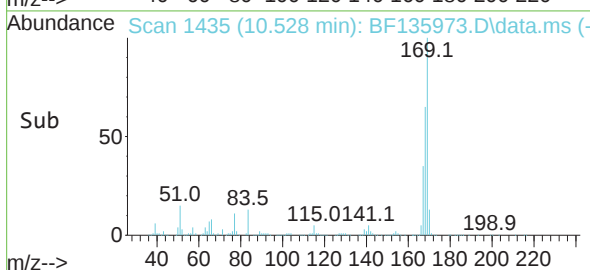
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

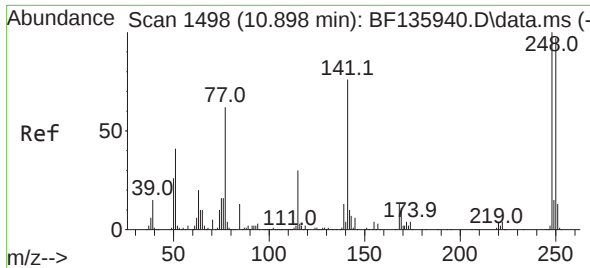


#66  
n-Nitrosodiphenylamine  
Concen: 56.975 ng  
RT: 10.528 min Scan# 1435  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



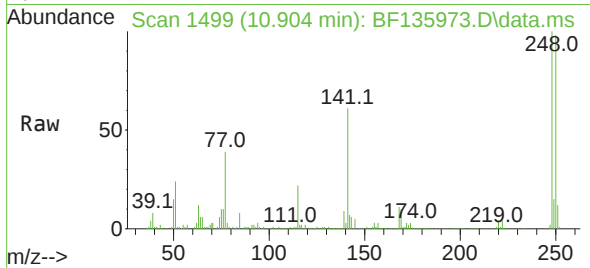
Tgt Ion:169 Resp: 668923  
Ion Ratio Lower Upper  
169 100  
168 65.5 53.5 80.3  
167 35.0 29.0 43.4





#67  
4-Bromophenyl-phenylether  
Concen: 55.424 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

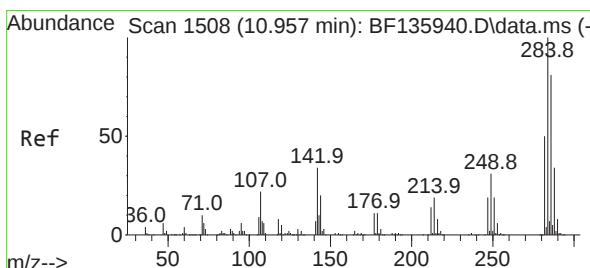
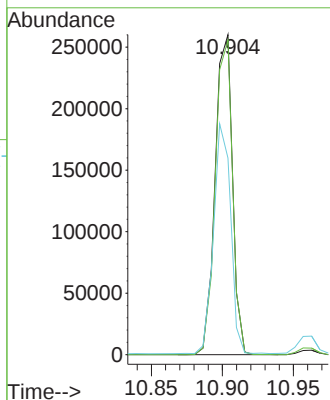
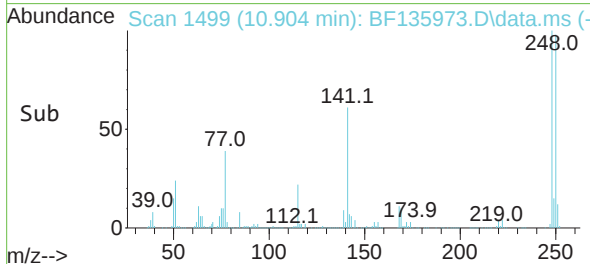
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



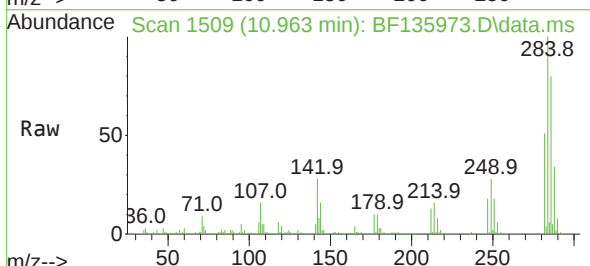
Tgt Ion:248 Resp: 22058  
Ion Ratio Lower Upper  
248 100  
250 98.3 77.9 116.9  
141 61.5 60.8 91.2

Manual Integrations  
APPROVED

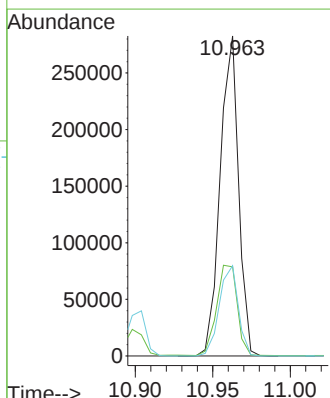
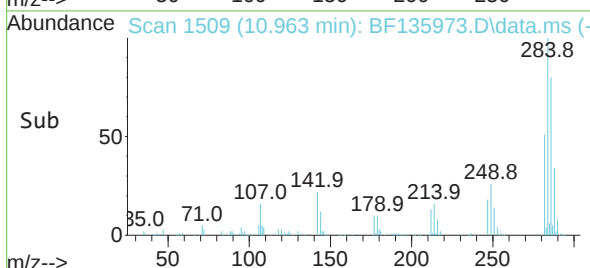
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

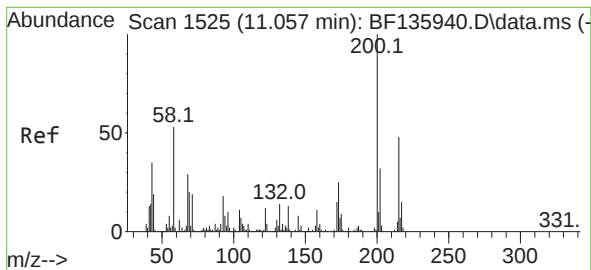


#68  
Hexachlorobenzene  
Concen: 54.784 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:284 Resp: 232921  
Ion Ratio Lower Upper  
284 100  
142 27.9 27.6 41.4  
249 28.2 24.7 37.1





#69

Atrazine

Concen: 65.494 ng

RT: 11.063 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:200 Resp: 209618

Ion Ratio Lower Upper

200 100

173 24.4 5.5 45.5

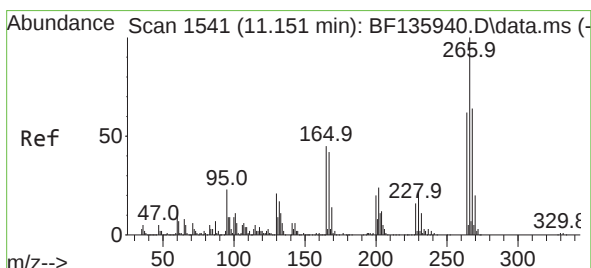
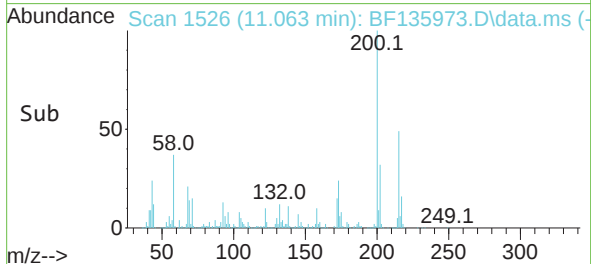
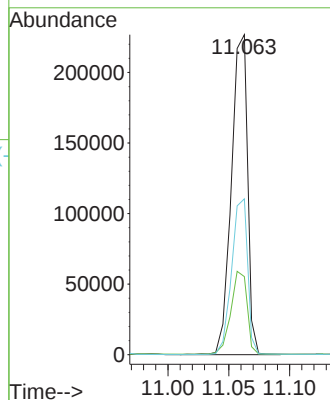
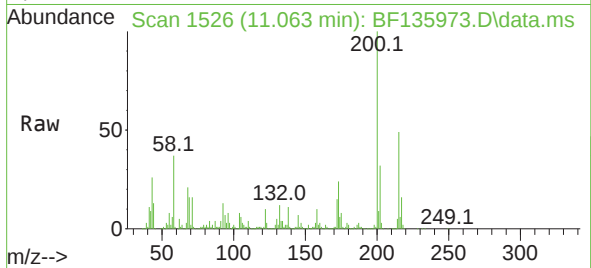
215 48.7 27.5 67.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#70

Pentachlorophenol

Concen: 97.593 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

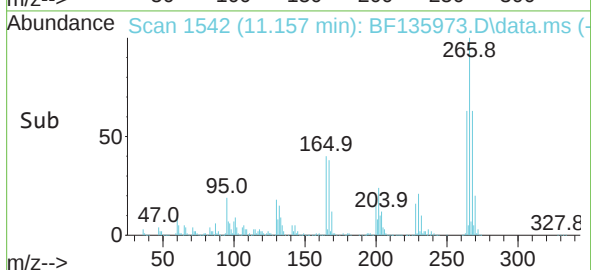
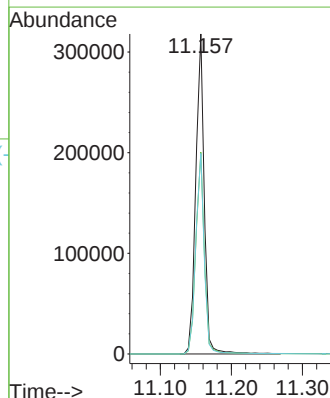
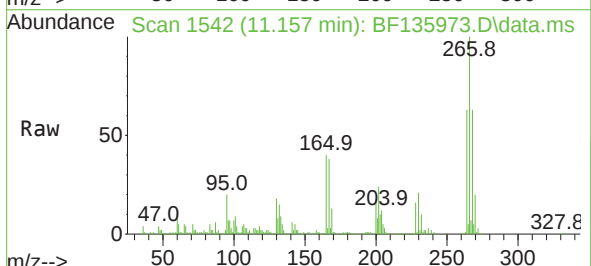
Tgt Ion:266 Resp: 265719

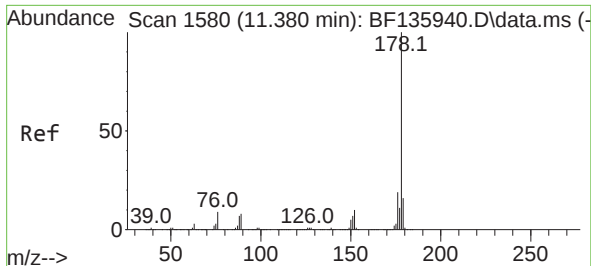
Ion Ratio Lower Upper

266 100

268 63.0 50.8 76.2

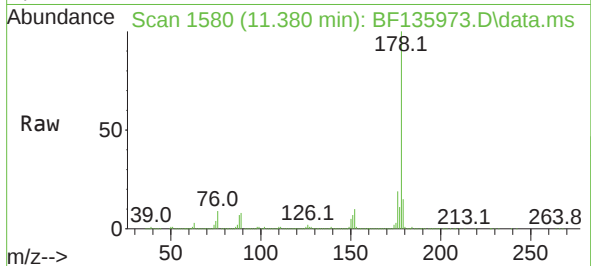
264 62.6 49.8 74.6





#71  
Phenanthrene  
Concen: 55.690 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

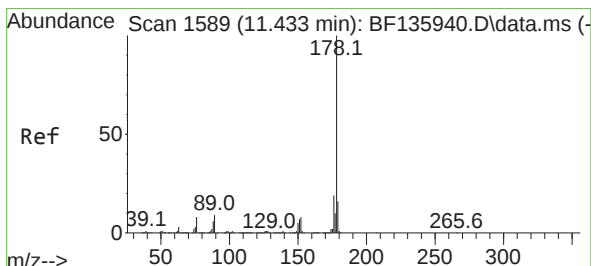
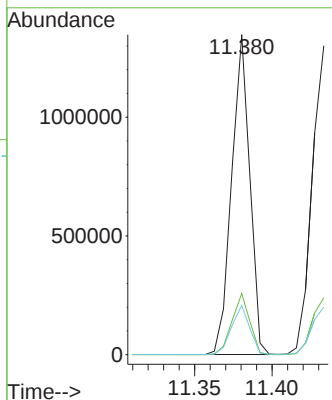
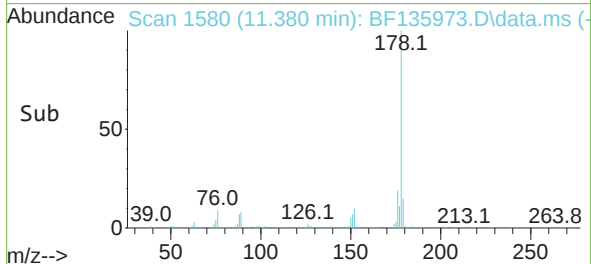
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



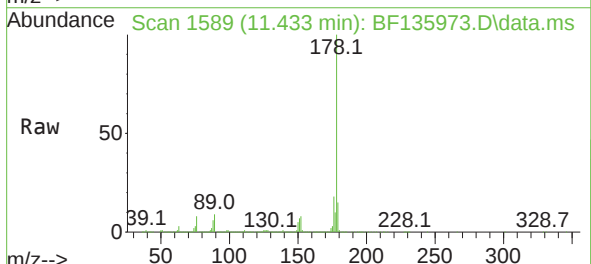
Tgt Ion:178 Resp: 1094978  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.2  
179 15.4 12.5 18.7

Manual Integrations  
APPROVED

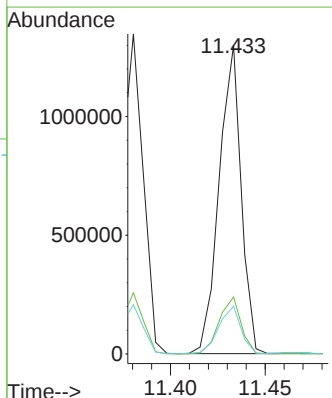
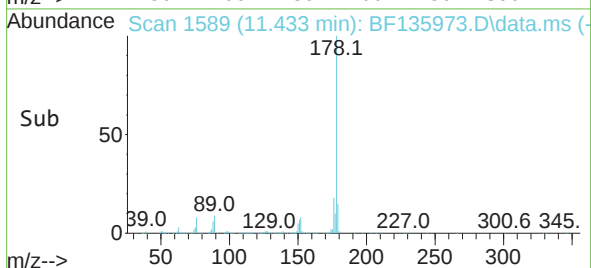
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

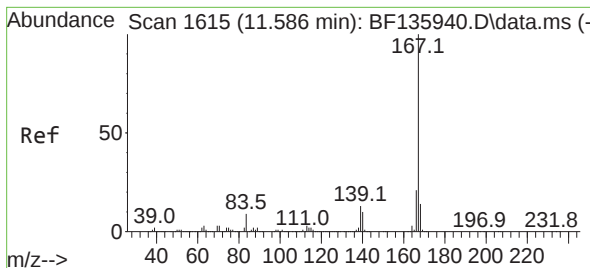


#72  
Anthracene  
Concen: 52.163 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



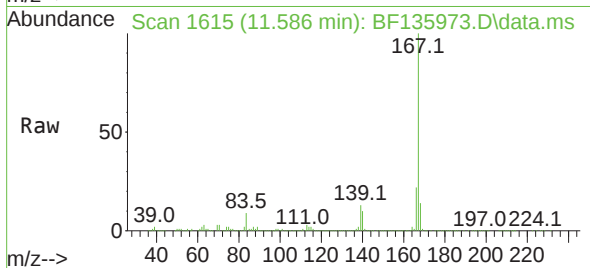
Tgt Ion:178 Resp: 1050158  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.9 22.3  
179 15.5 12.5 18.7





#73  
 Carbazole  
 Concen: 50.867 ng  
 RT: 11.586 min Scan# 1615  
 Delta R.T. 0.000 min  
 Lab File: BF135973.D  
 Acq: 26 Oct 2023 20:24

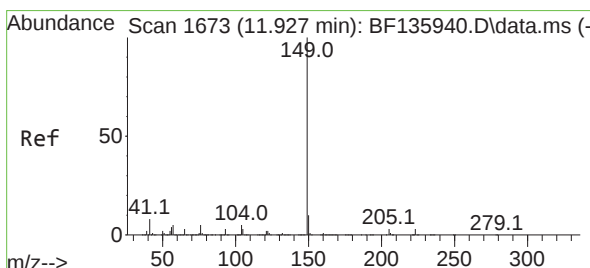
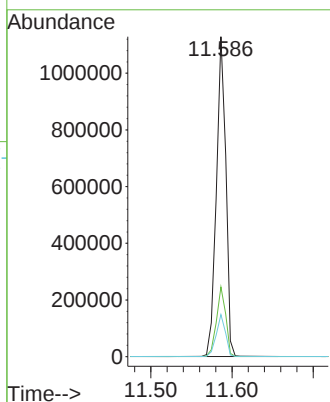
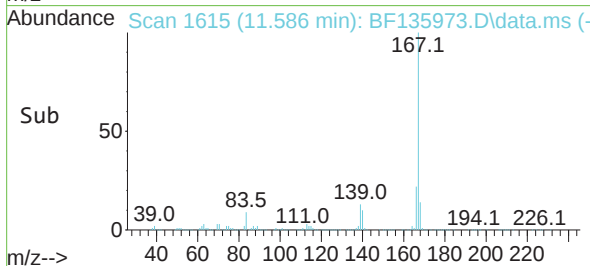
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MMFB-4MSD



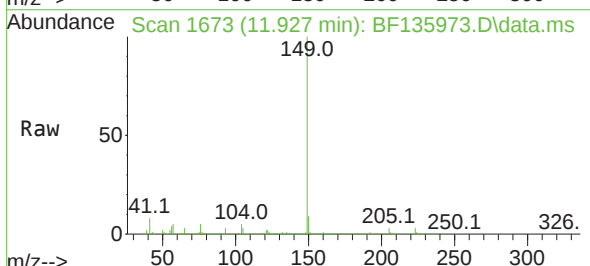
Tgt Ion:167 Resp: 913519  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.0 25.6  
 139 13.1 10.4 15.6

Manual Integrations  
 APPROVED

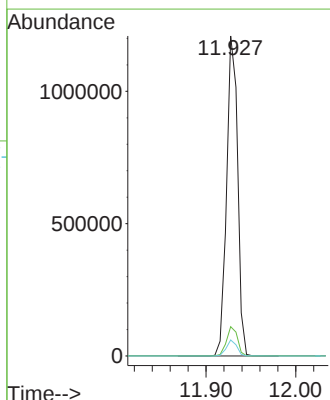
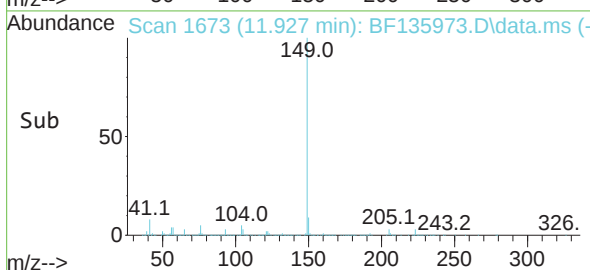
Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023

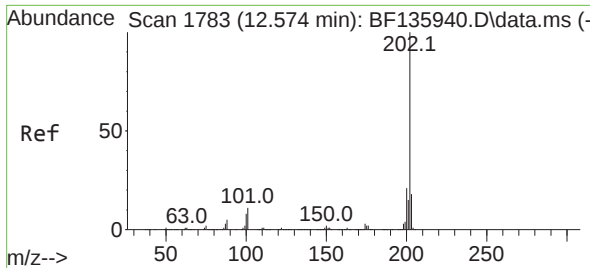


#74  
 Di-n-butylphthalate  
 Concen: 53.954 ng  
 RT: 11.927 min Scan# 1673  
 Delta R.T. 0.000 min  
 Lab File: BF135973.D  
 Acq: 26 Oct 2023 20:24



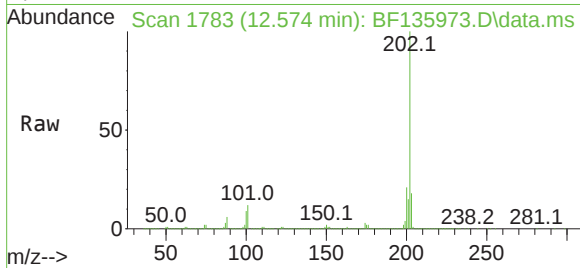
Tgt Ion:149 Resp: 1031088  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.7 11.5  
 104 5.0 3.9 5.9





#75  
Fluoranthene  
Concen: 58.836 ng  
RT: 12.574 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

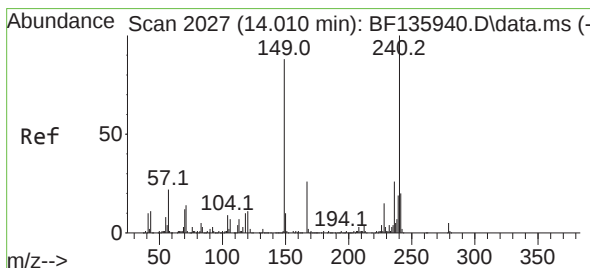
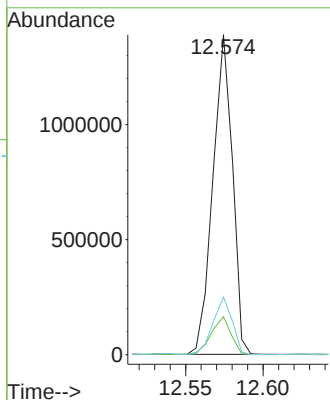
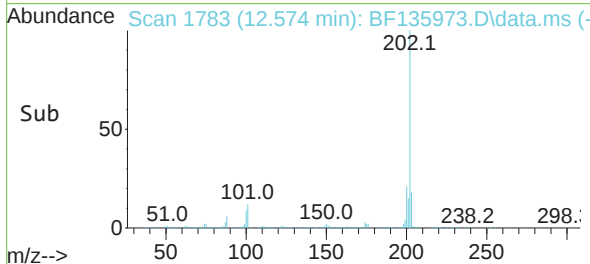
Instrument :  
BNA\_F  
ClientSampleId :  
MMFB-4MSD



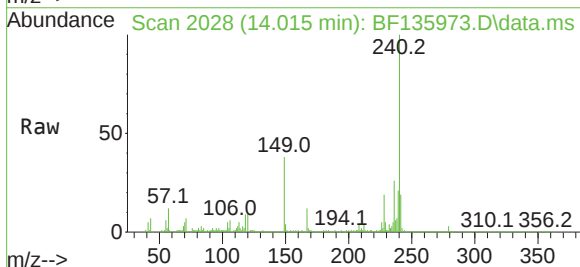
Tgt Ion:202 Resp: 1217024  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 30.6  
203 18.0 0.0 37.5

Manual Integrations  
APPROVED

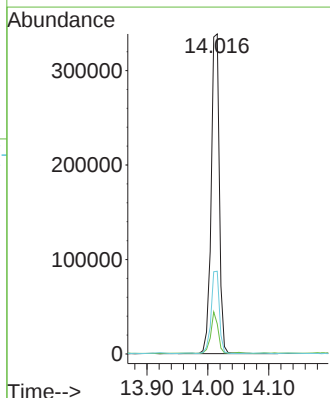
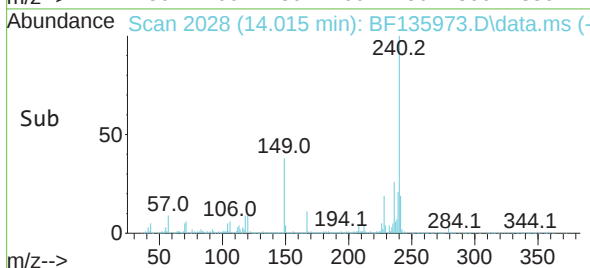
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023

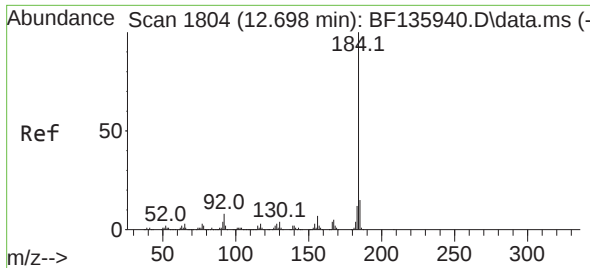


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.015 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24



Tgt Ion:240 Resp: 315250  
Ion Ratio Lower Upper  
240 100  
120 9.4 8.6 13.0  
236 25.8 20.6 30.8





#77  
Benzidine  
Concen: 112.605 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

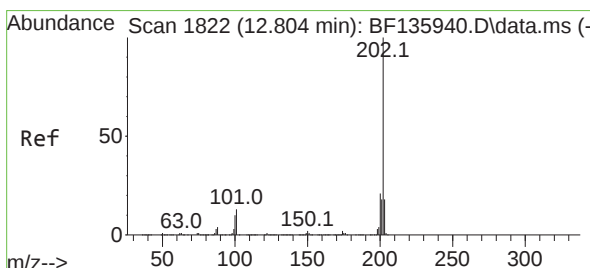
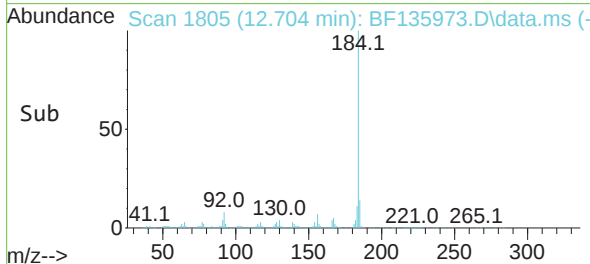
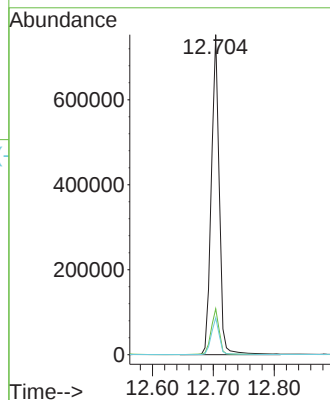
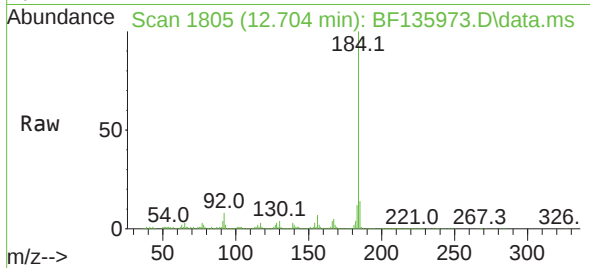
MMFB-4MSD

Tgt Ion:184 Resp: 68449  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.7 17.5  
183 11.5 9.2 13.8

Manual Integrations

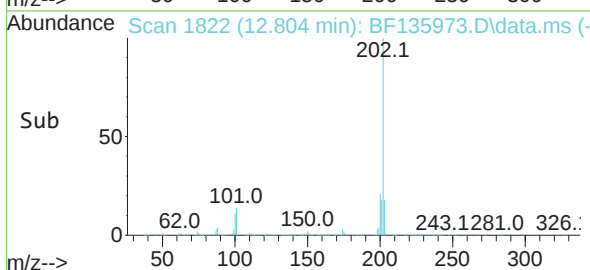
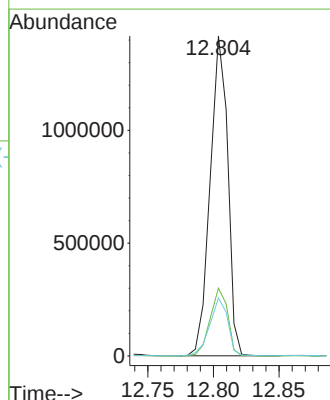
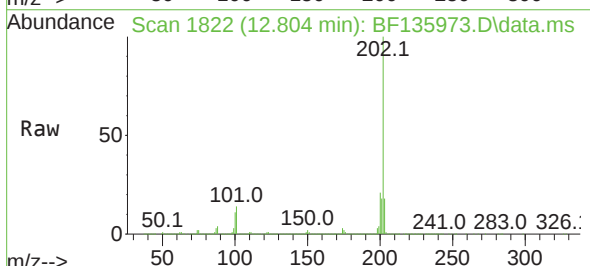
APPROVED

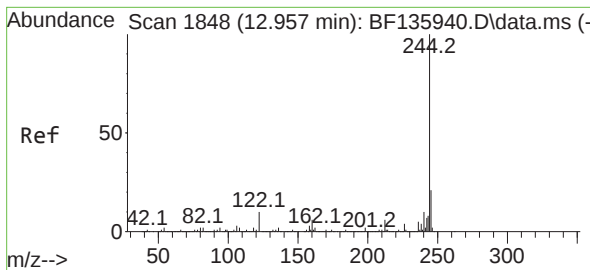
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#78  
Pyrene  
Concen: 50.076 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. 0.000 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:202 Resp: 1325508  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.6  
203 18.1 14.5 21.7





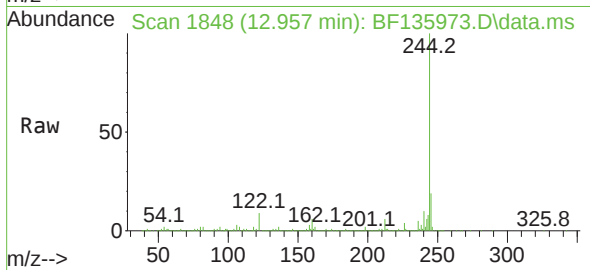
#79  
 Terphenyl-d14  
 Concen: 69.668 ng  
 RT: 12.957 min Scan# 1848  
 Delta R.T. 0.000 min  
 Lab File: BF135973.D  
 Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

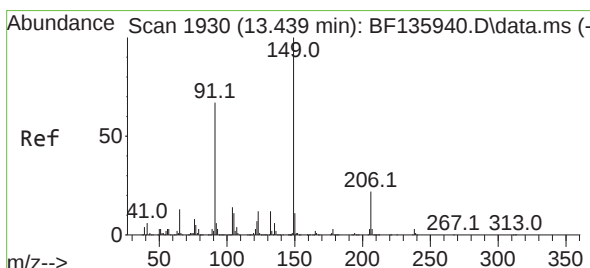
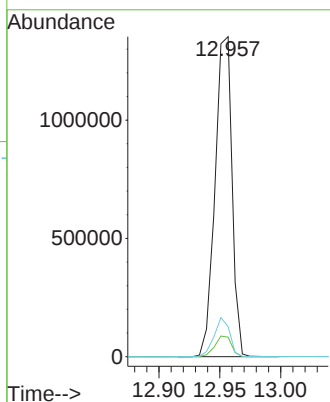
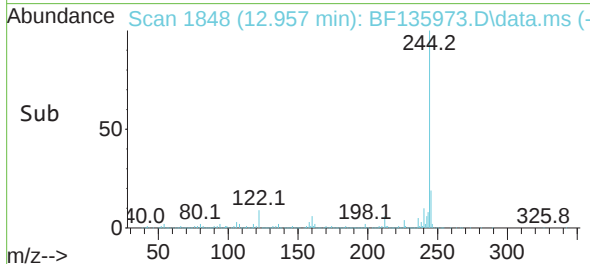


Tgt Ion:244 Resp: 1314524  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.0 7.6  
 122 9.4 8.0 12.0

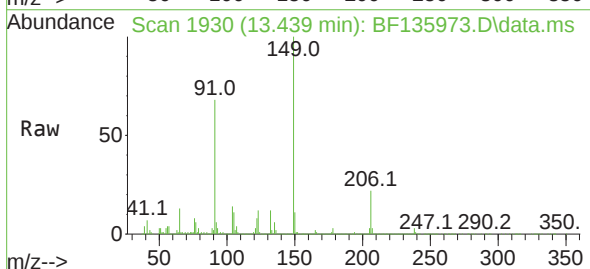
Manual Integrations

APPROVED

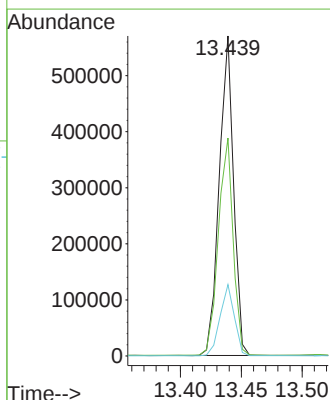
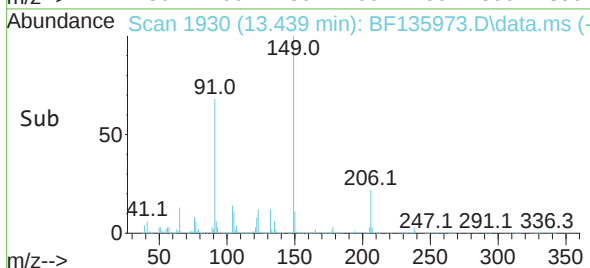
Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023

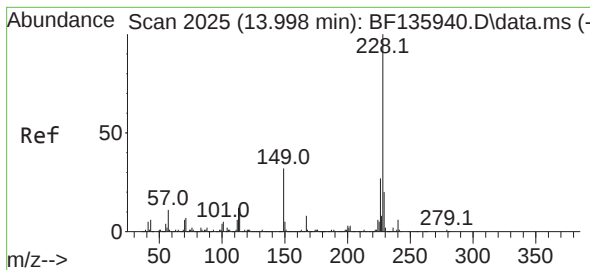


#80  
 Butylbenzylphthalate  
 Concen: 46.936 ng  
 RT: 13.439 min Scan# 1930  
 Delta R.T. 0.000 min  
 Lab File: BF135973.D  
 Acq: 26 Oct 2023 20:24



Tgt Ion:149 Resp: 468609  
 Ion Ratio Lower Upper  
 149 100  
 91 68.1 53.4 80.0  
 206 22.3 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 55.529 ng  
RT: 14.004 min Scan# 2025  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

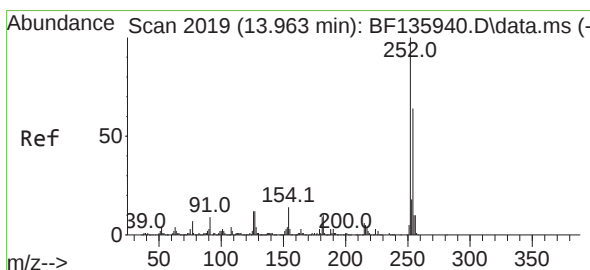
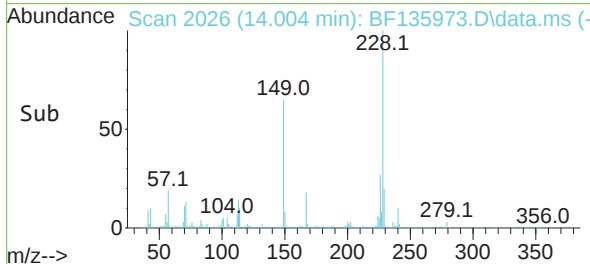
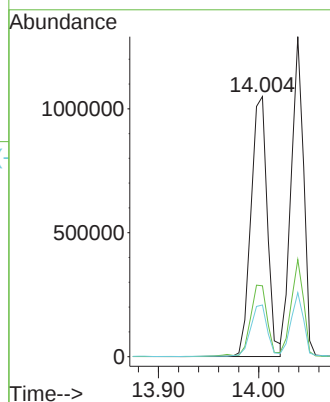
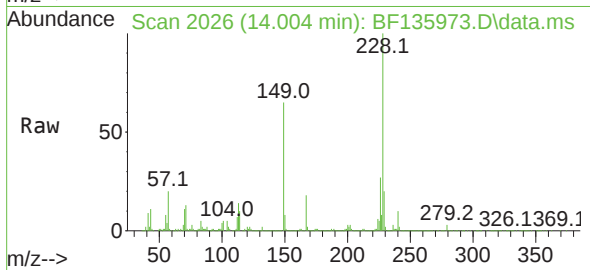
MMFB-4MSD

Tgt Ion:228 Resp: 1190274  
Ion Ratio Lower Upper  
228 100  
226 27.2 21.8 32.6  
229 19.9 16.2 24.4

Manual Integrations

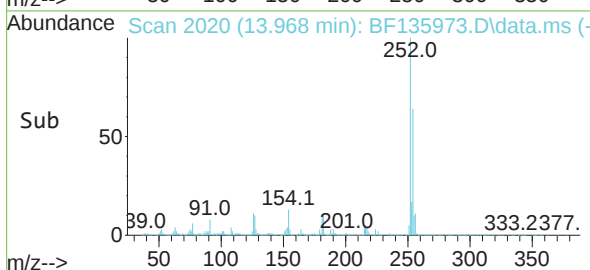
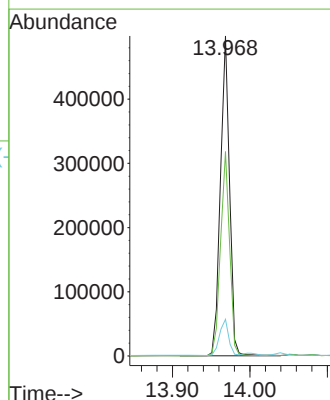
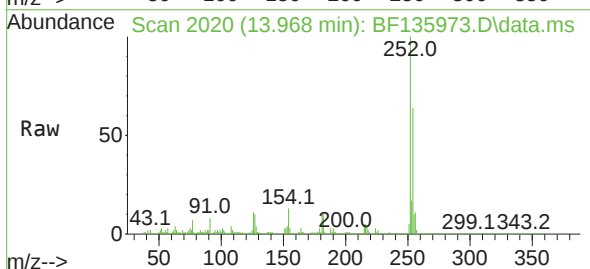
APPROVED

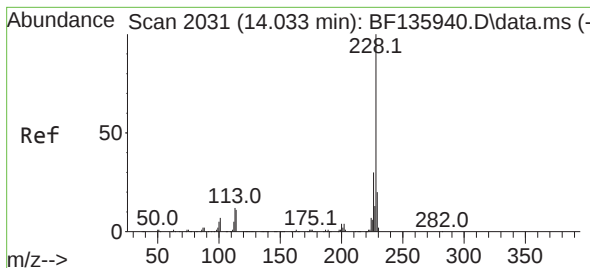
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 62.580 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:252 Resp: 408105  
Ion Ratio Lower Upper  
252 100  
254 63.8 50.9 76.3  
126 11.5 9.8 14.6





#83

Chrysene

Concen: 53.275 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

Tgt Ion:228 Resp: 1112218

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

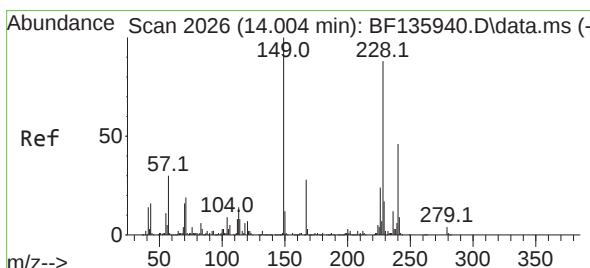
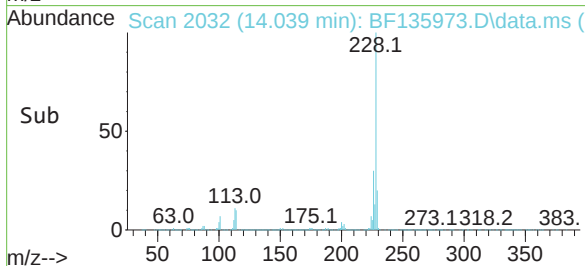
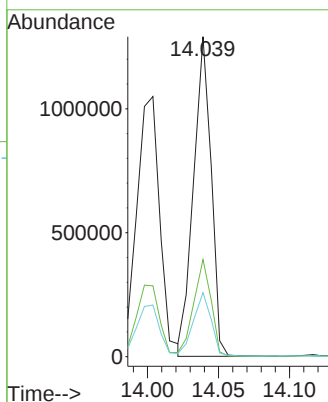
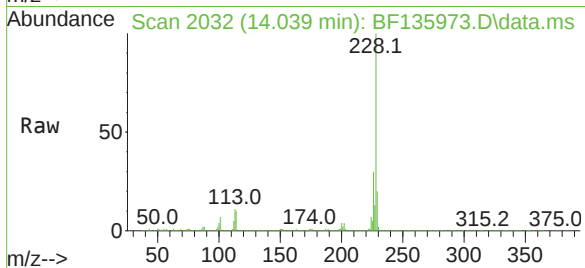
229 20.0 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.416 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

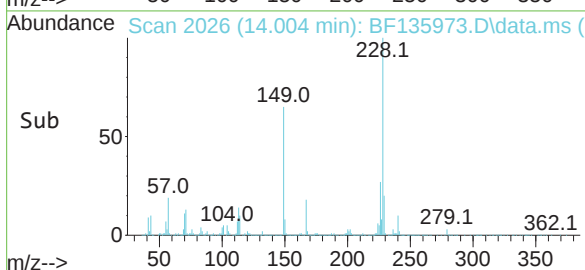
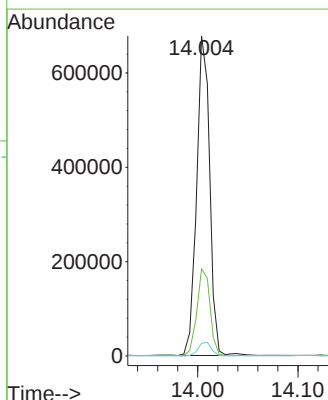
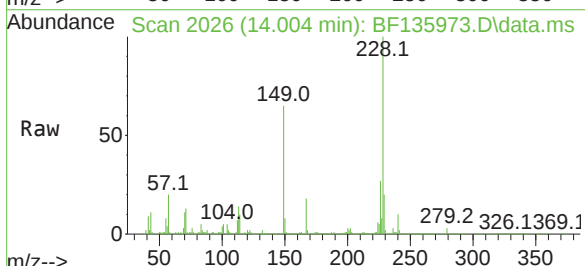
Tgt Ion:149 Resp: 614065

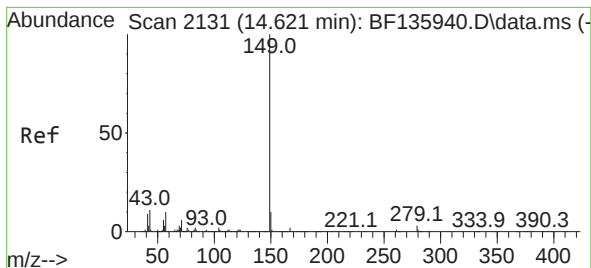
Ion Ratio Lower Upper

149 100

167 27.2 22.2 33.2

279 3.9 3.1 4.7





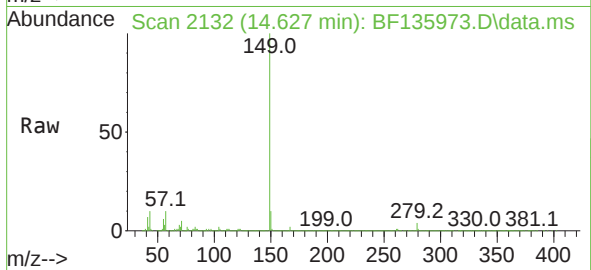
#85  
Di-n-octyl phthalate  
Concen: 68.410 ng  
RT: 14.627 min Scan# 2131  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

MMFB-4MSD

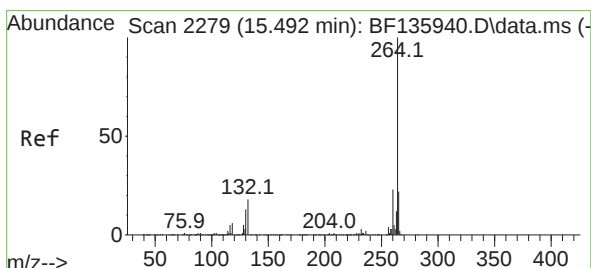
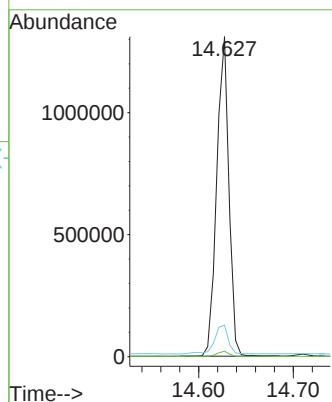
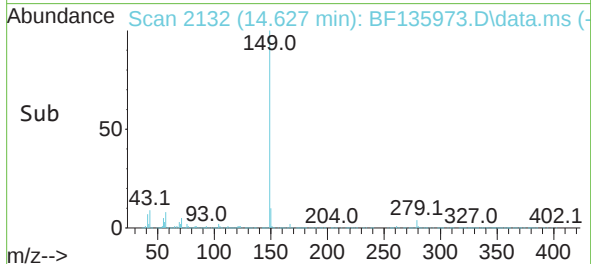


Tgt Ion:149 Resp: 1172979  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.4 8.6 12.8

Manual Integrations

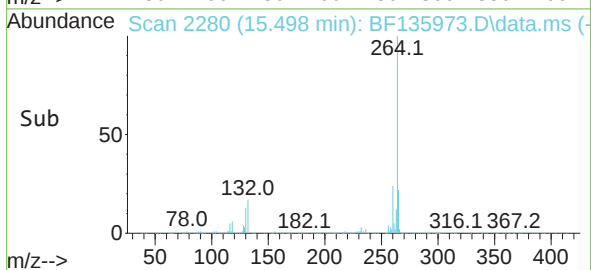
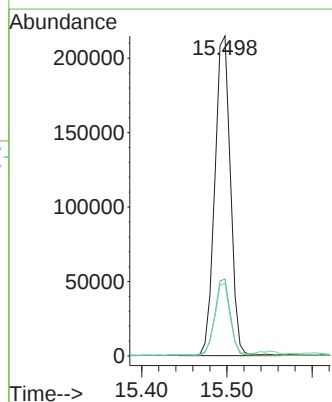
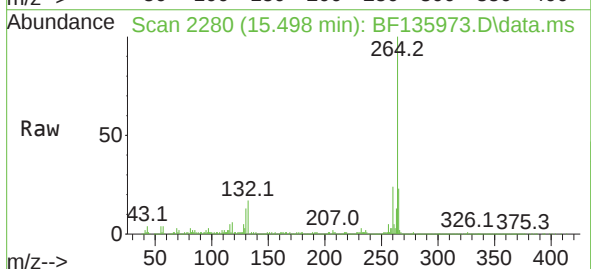
APPROVED

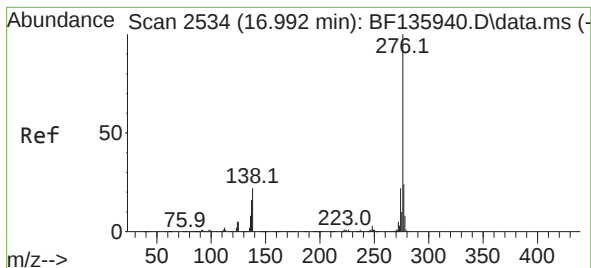
Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.498 min Scan# 2280  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:264 Resp: 275124  
Ion Ratio Lower Upper  
264 100  
260 24.1 18.6 28.0  
265 22.7 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.290 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

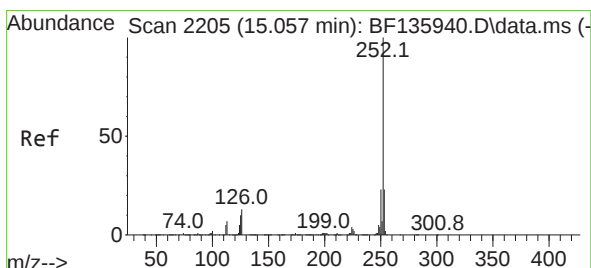
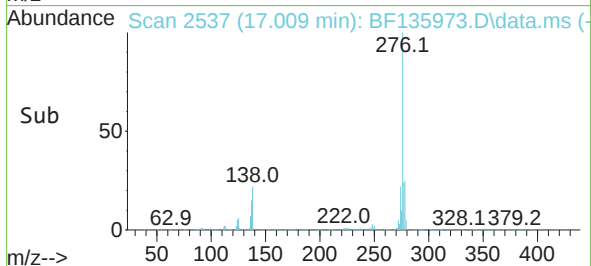
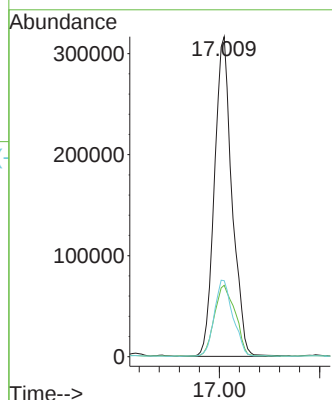
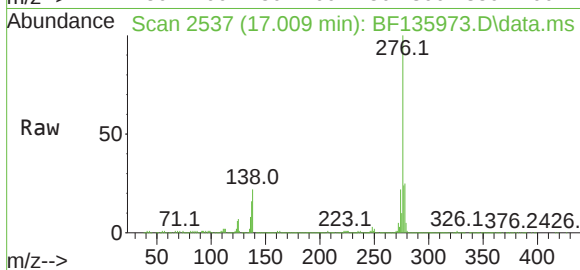
MMFB-4MSD

Tgt Ion:276 Resp: 768958  
 Ion Ratio Lower Upper  
 276 100  
 138 26.4 21.8 32.6  
 277 25.5 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023



#88

Benzo(b)fluoranthene

Concen: 58.002 ng

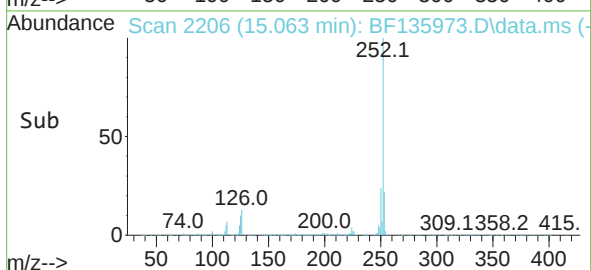
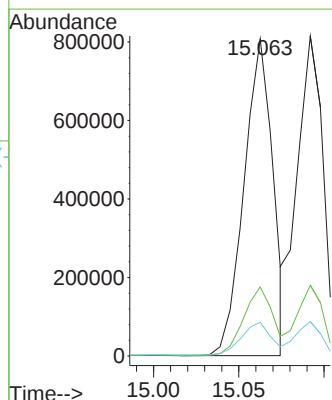
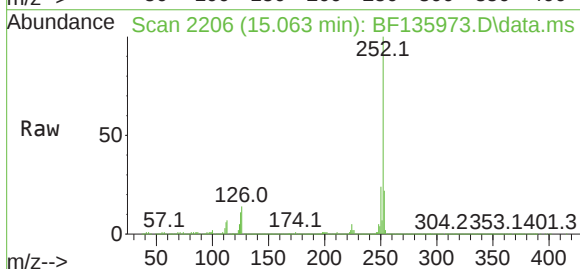
RT: 15.063 min Scan# 2206

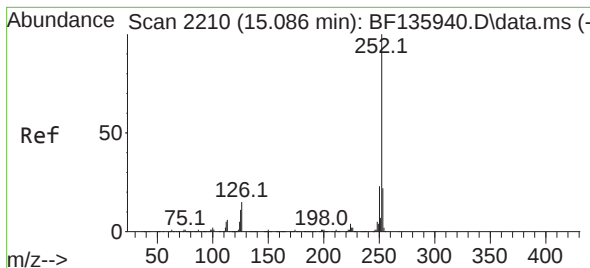
Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion:252 Resp: 949679  
 Ion Ratio Lower Upper  
 252 100  
 253 21.8 18.0 27.0  
 125 10.6 8.2 12.4





#89

Benzo(k)fluoranthene

Concen: 53.774 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

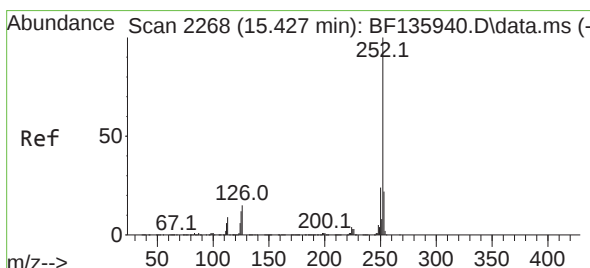
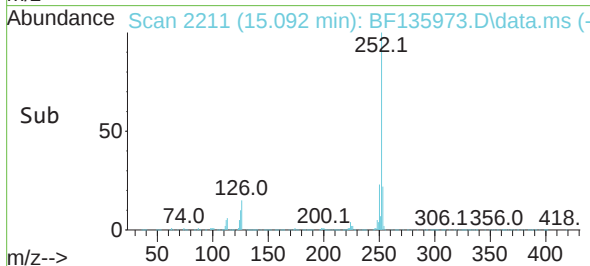
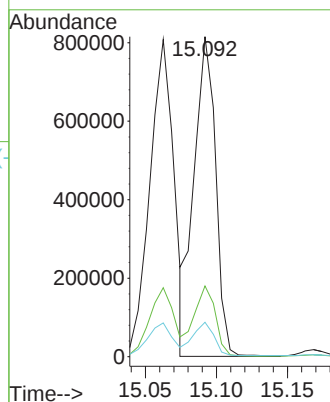
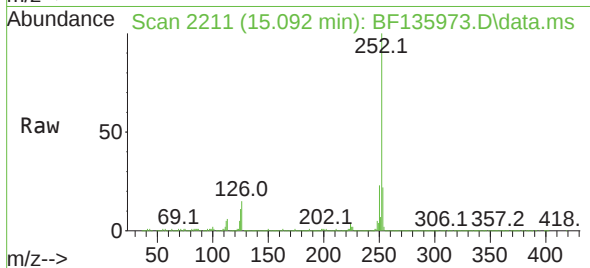
MMFB-4MSD

Tgt Ion:252 Resp: 864720  
 Ion Ratio Lower Upper  
 252 100  
 253 22.1 17.7 26.5  
 125 10.8 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
 Supervised By :mohammad ahmed 10/27/2023



#90

Benzo(a)pyrene

Concen: 51.535 ng

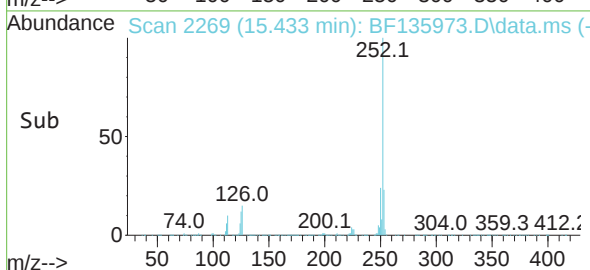
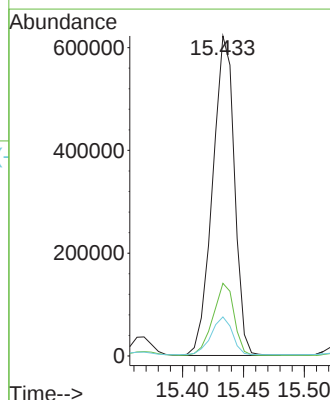
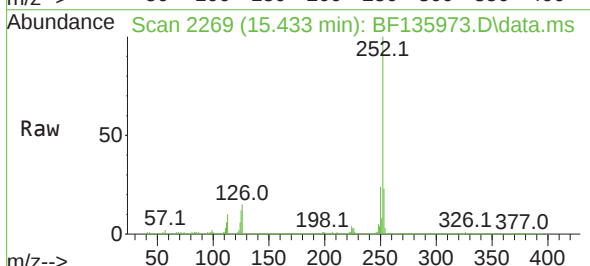
RT: 15.433 min Scan# 2269

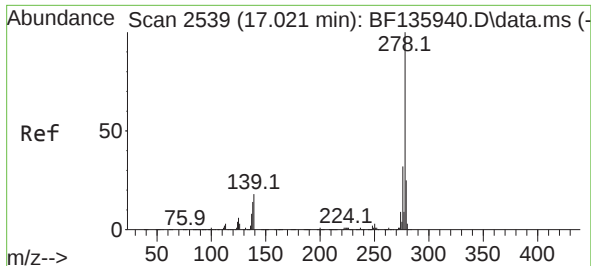
Delta R.T. 0.006 min

Lab File: BF135973.D

Acq: 26 Oct 2023 20:24

Tgt Ion:252 Resp: 777674  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 17.4 26.2  
 125 12.2 9.6 14.4





#91  
Dibenzo(a,h)anthracene  
Concen: 46.652 ng  
RT: 17.033 min Scan# 2541  
Delta R.T. 0.012 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Instrument :

BNA\_F

ClientSampleId :

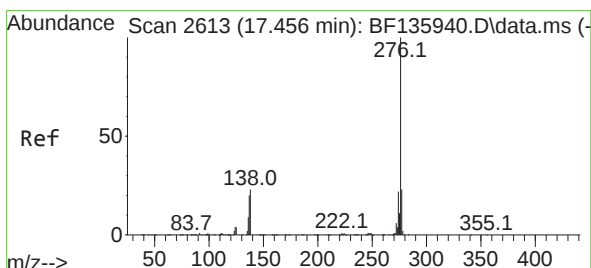
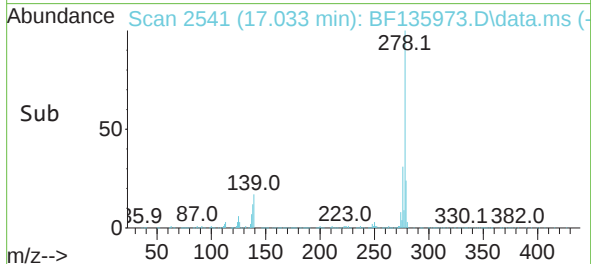
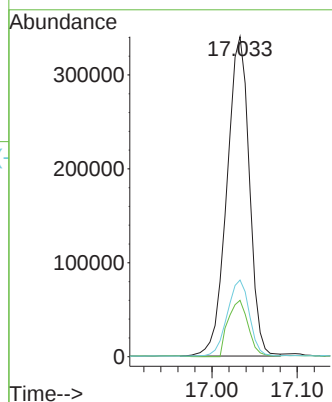
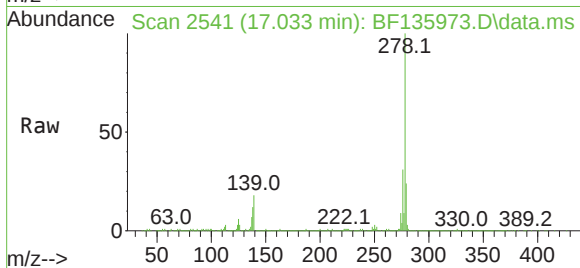
MMFB-4MSD

Tgt Ion:278 Resp: 622518  
Ion Ratio Lower Upper  
278 100  
139 17.6 14.0 21.0  
279 24.0 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023  
Supervised By :mohammad ahmed 10/27/2023



#92  
Benzo(g,h,i)perylene  
Concen: 41.224 ng  
RT: 17.462 min Scan# 2614  
Delta R.T. 0.006 min  
Lab File: BF135973.D  
Acq: 26 Oct 2023 20:24

Tgt Ion:276 Resp: 616706  
Ion Ratio Lower Upper  
276 100  
277 24.2 18.6 28.0  
138 23.0 18.4 27.6

