

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112423\  
 Data File : BF136192.D  
 Acq On : 24 Nov 2023 21:53  
 Operator : CG\JU  
 Sample : 05468-09MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11MSD

Quant Time: Nov 24 23:10:53 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 24 23:00:16 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/27/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 127532   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.086  | 136  | 550716   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 282249   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 519677   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 240068   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.462 | 264  | 273958   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 1121439  | 140.012 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 1379876  | 140.003 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 849781   | 86.107  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.639 | 330  | 426591   | 144.308 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 1700943  | 89.082  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1573426  | 93.034  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.628  | 88   | 142613   | 44.463  | ng    | 94       |
| 3) Pyridine                   | 3.387  | 79   | 353821   | 41.056  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.357  | 42   | 213303   | 53.960  | ng    | 92       |
| 6) Aniline                    | 6.475  | 93   | 551290   | 44.132  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.592  | 128  | 494787   | 57.384  | ng    | 96       |
| 9) Benzaldehyde               | 6.357  | 77   | 55010    | 9.654   | ng    | 96       |
| 10) Phenol                    | 6.463  | 94   | 636665   | 59.149  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 443907   | 56.113  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.751  | 146  | 518912   | 57.053  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.828  | 146  | 534076   | 58.561  | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 499092   | 58.223  | ng    | 94       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 422023   | 57.251  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 620679   | 60.057  | ng    | 95       |
| 17) 2-Methylphenol            | 7.063  | 107  | 403031   | 56.023  | ng    | 94       |
| 18) Hexachloroethane          | 7.316  | 117  | 184008   | 55.288  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 347165   | 61.020  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 514385   | 57.293  | ng    | 95       |
| 22) Acetophenone              | 7.222  | 105  | 737034   | 57.966  | ng    | 95       |
| 24) Nitrobenzene              | 7.392  | 77   | 503045   | 52.377  | ng    | 94       |
| 25) Isophorone                | 7.628  | 82   | 943511   | 55.399  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 226145   | 48.581  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 363987   | 46.551  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 564233   | 54.934  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 7.945  | 162  | 411751   | 54.008  | ng    | 93       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 465188   | 54.801  | ng    | 95       |
| 31) Naphthalene               | 8.110  | 128  | 1500755  | 55.320  | ng    | 96       |
| 32) Benzoic acid              | 7.875  | 122  | 264118   | 45.953  | ng    | 91       |
| 33) 4-Chloroaniline           | 8.157  | 127  | 337046   | 29.954  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.228  | 225  | 258674   | 50.128  | ng    | 96       |
| 35) Caprolactam               | 8.528  | 113  | 118985m  | 53.902  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 450191   | 56.242  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 934293   | 51.365  | ng    | 90       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 896501   | 53.123  | ng    | 86       |
| 40) 1,2,4,5-Tetrachloroben... | 8.969  | 216  | 450190   | 53.220  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 514724   | 117.999 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.080  | 196  | 296244   | 55.929  | ng    | 94       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 24 23:00:16 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/27/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 317000   | 51.951  | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 1245780  | 56.249  | ng    | 95       |
| 47) 2-Chloronaphthalene       | 9.292  | 162  | 939930   | 58.062  | ng    | 93       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 266124   | 53.918  | ng    | 85       |
| 49) Acenaphthylene            | 9.710  | 152  | 1506992  | 60.308  | ng    | # 95     |
| 50) Dimethylphthalate         | 9.575  | 163  | 1088129  | 57.059  | ng    | 97       |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 211332   | 51.070  | ng    | 96       |
| 52) Acenaphthene              | 9.880  | 154  | 870507   | 52.303  | ng    | 88       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 163621   | 37.085  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 203294   | 99.183  | ng    | 95       |
| 55) Dibenzofuran              | 10.051 | 168  | 1319687  | 57.030  | ng    | 98       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 348279   | 118.789 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 290490   | 55.271  | ng    | 92       |
| 58) Fluorene                  | 10.398 | 166  | 1022521  | 58.221  | ng    | 90       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 260094   | 56.240  | ng    | 95       |
| 60) Diethylphthalate          | 10.275 | 149  | 1063673  | 55.598  | ng    | 95       |
| 61) 4-Chlorophenyl-phenyle... | 10.392 | 204  | 478732   | 53.622  | ng    | 94       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 212470   | 52.840  | ng    | 94       |
| 63) Azobenzene                | 10.551 | 77   | 1004771  | 60.025  | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 129526   | 43.763  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 869680   | 52.749  | ng    | 92       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 302065   | 52.190  | ng    | 93       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 348640   | 56.738  | ng    | 98       |
| 69) Atrazine                  | 11.045 | 200  | 279897   | 67.012  | ng    | 95       |
| 70) Pentachlorophenol         | 11.139 | 266  | 375268   | 109.194 | ng    | 96       |
| 71) Phenanthrene              | 11.363 | 178  | 1534876  | 57.676  | ng    | 96       |
| 72) Anthracene                | 11.416 | 178  | 1566807  | 57.679  | ng    | 96       |
| 73) Carbazole                 | 11.569 | 167  | 1256889  | 57.743  | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1616704  | 62.784  | ng    | 96       |
| 75) Fluoranthene              | 12.551 | 202  | 1382784  | 56.899  | ng    | 96       |
| 77) Benzidine                 | 12.674 | 184  | 448973   | 108.006 | ng    | 97       |
| 78) Pyrene                    | 12.780 | 202  | 1352546  | 60.249  | ng    | 94       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 438874   | 61.352  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 930090   | 58.410  | ng    | 96       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 263961   | 51.637  | ng    | 95       |
| 83) Chrysene                  | 14.010 | 228  | 883933   | 56.741  | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 556445   | 64.447  | ng    | 95       |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 932901   | 64.534  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 1137243  | 56.656  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 922267   | 60.975  | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.062 | 252  | 882518   | 57.941  | ng    | 95       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 822879   | 55.158  | ng    | 96       |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 911752   | 54.808  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 879463   | 52.144  | ng    | 93       |

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

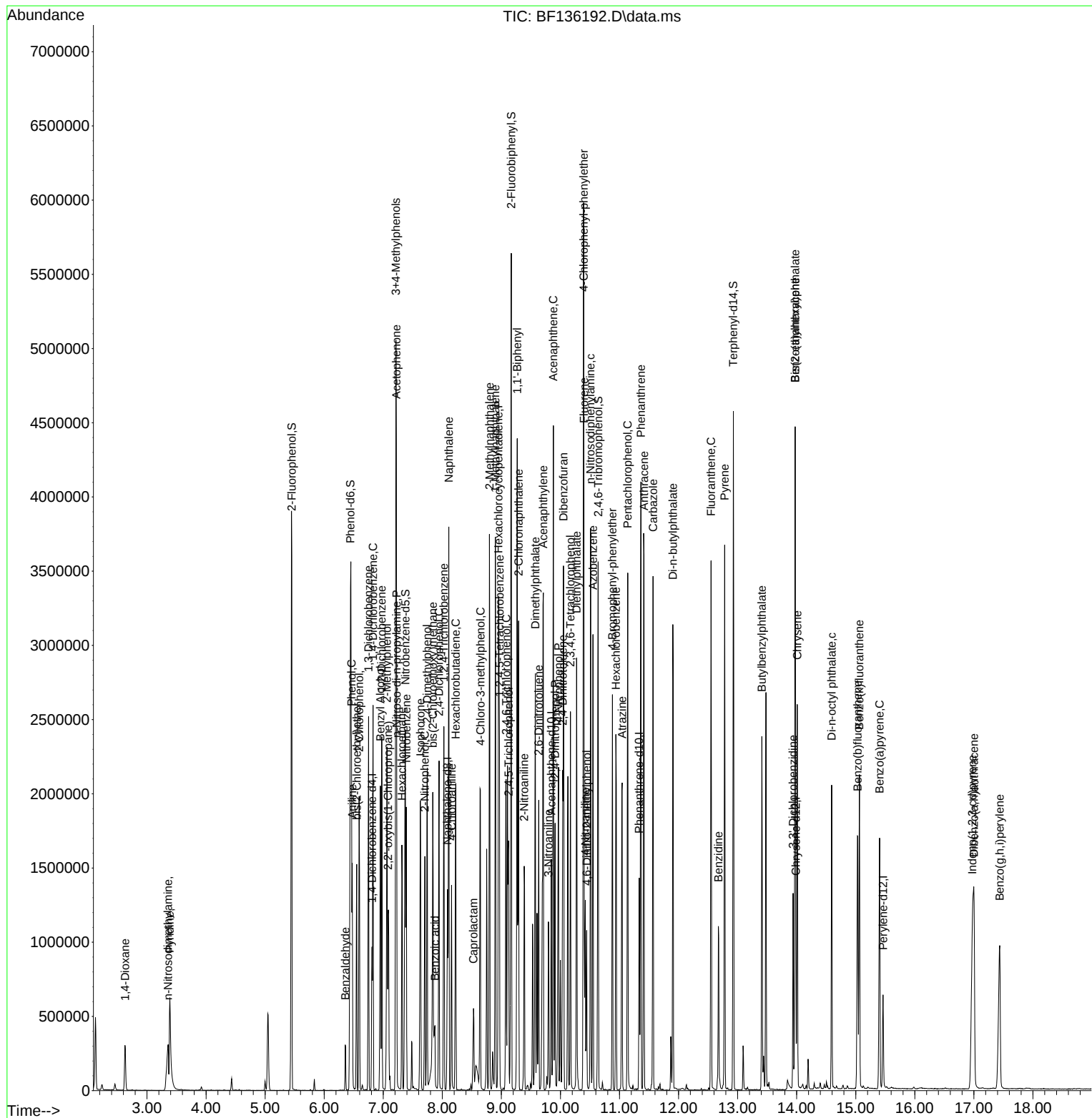
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112423\  
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 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

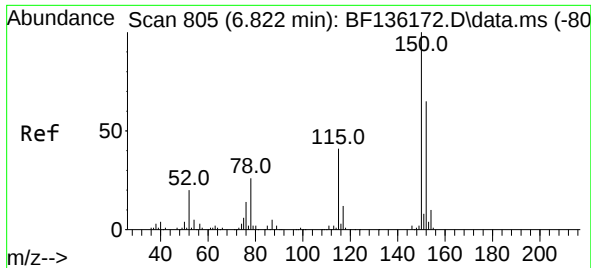
Instrument :  
 BNA\_F  
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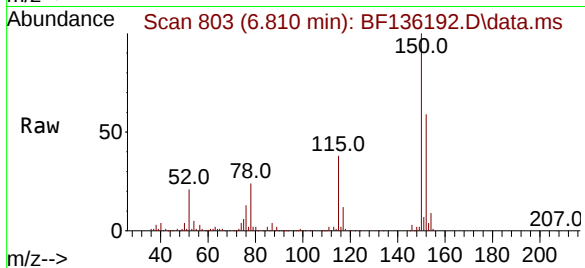
Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/27/2023





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.810 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF136192.D  
 Acq: 24 Nov 2023 21:53

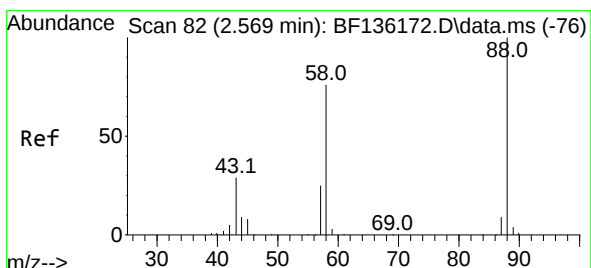
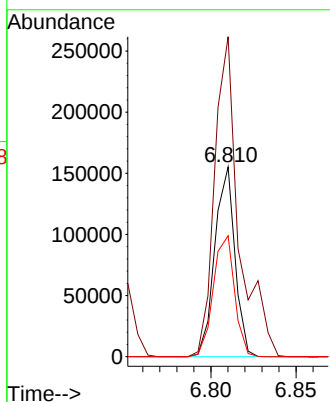
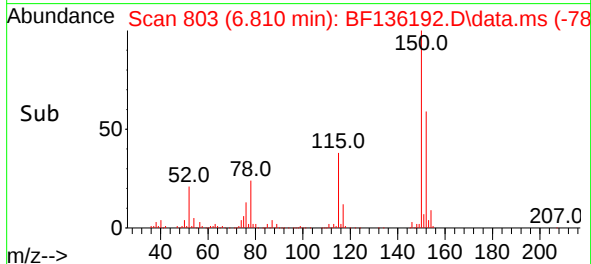
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11MSD



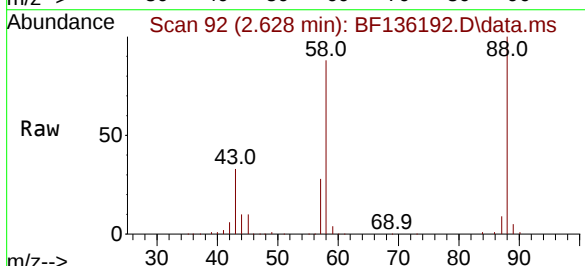
Tgt Ion:152 Resp: 12753  
 Ion Ratio Lower Upper  
 152 100  
 150 168.6 123.1 184.7  
 115 63.8 50.5 75.7

Manual Integrations  
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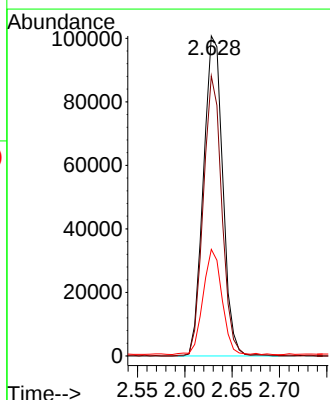
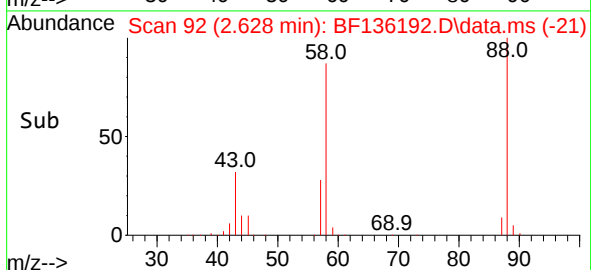
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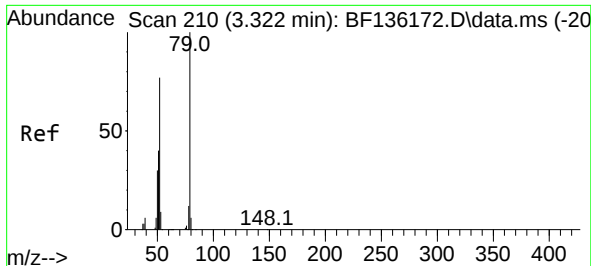


#2  
 1,4-Dioxane  
 Concen: 44.463 ng  
 RT: 2.628 min Scan# 92  
 Delta R.T. 0.070 min  
 Lab File: BF136192.D  
 Acq: 24 Nov 2023 21:53



Tgt Ion: 88 Resp: 142613  
 Ion Ratio Lower Upper  
 88 100  
 58 84.0 62.8 94.2  
 43 31.9 23.9 35.9





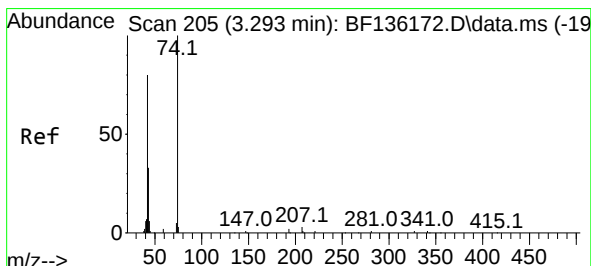
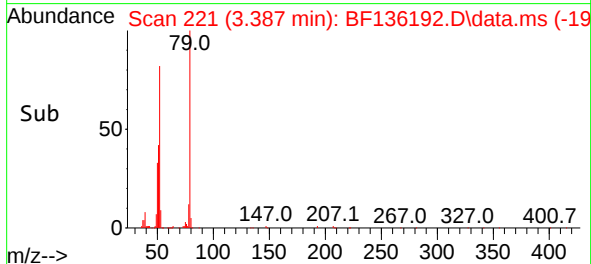
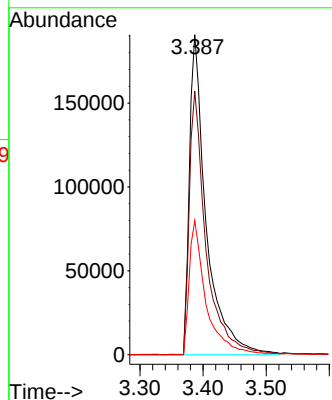
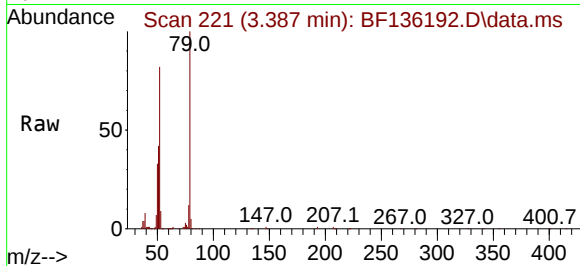
#3  
Pyridine  
Concen: 41.056 ng  
RT: 3.387 min Scan# 210  
Delta R.T. 0.064 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
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Tgt Ion: 79 Resp: 35382  
Ion Ratio Lower Upper  
79 100  
52 82.3 61.8 92.6  
51 41.9 31.6 47.4

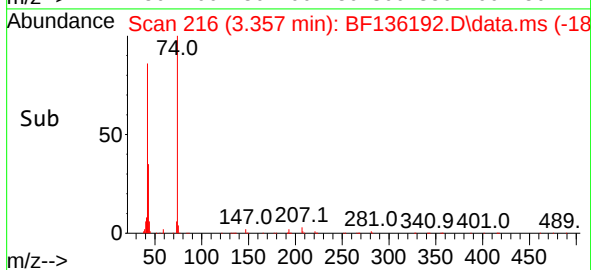
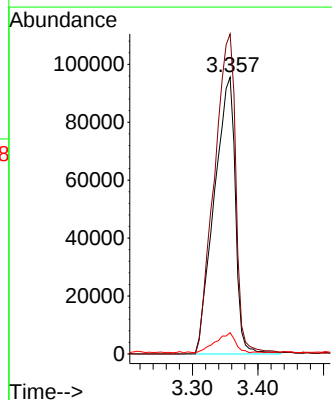
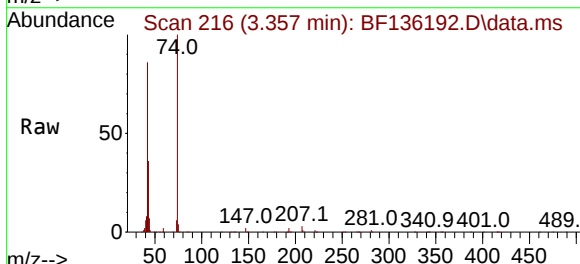
Manual Integrations  
APPROVED

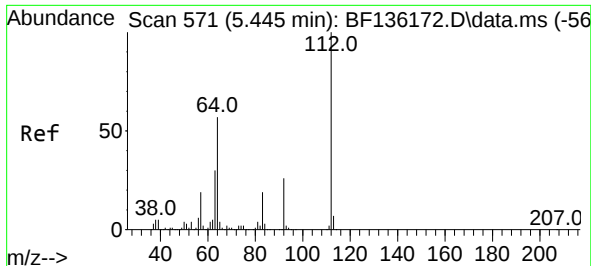
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#4  
n-Nitrosodimethylamine  
Concen: 53.960 ng  
RT: 3.357 min Scan# 216  
Delta R.T. 0.076 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

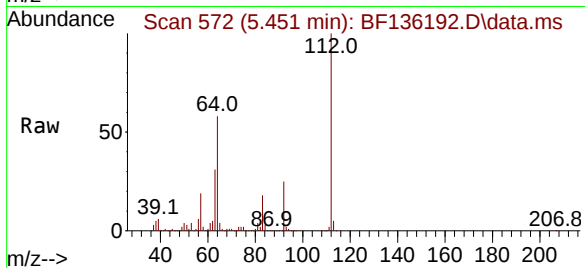
Tgt Ion: 42 Resp: 213303  
Ion Ratio Lower Upper  
42 100  
74 115.7 100.2 150.2  
44 7.7 5.6 8.4





#5  
2-Fluorophenol  
Concen: 140.012 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.017 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

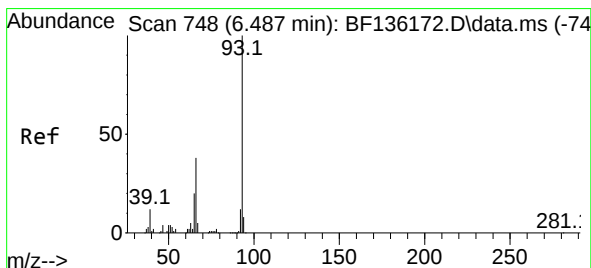
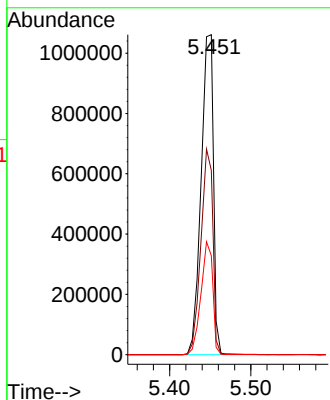
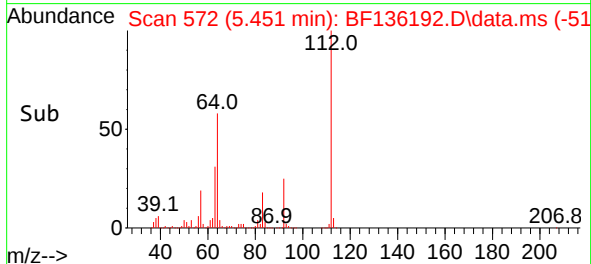
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Tgt Ion:112 Resp: 1121439  
Ion Ratio Lower Upper  
112 100  
64 57.6 45.4 68.0  
63 31.0 24.4 36.6

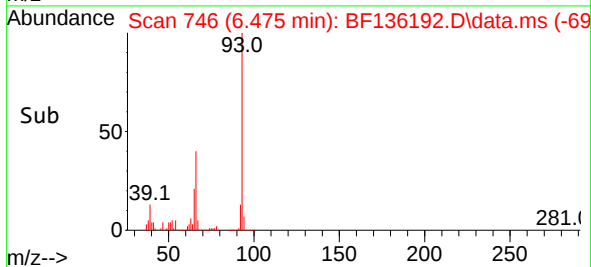
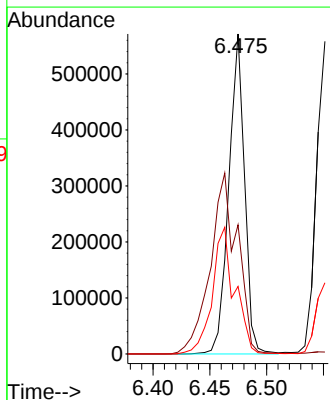
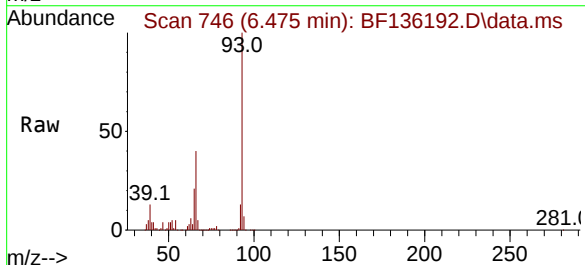
Manual Integrations  
APPROVED

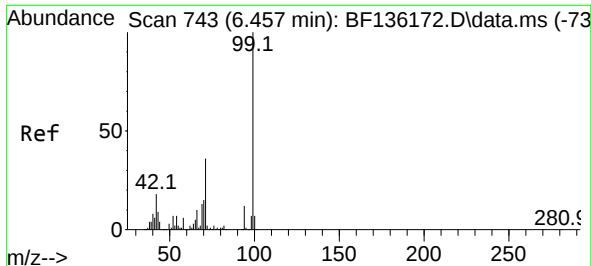
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#6  
Aniline  
Concen: 44.132 ng  
RT: 6.475 min Scan# 746  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion: 93 Resp: 551290  
Ion Ratio Lower Upper  
93 100  
66 40.4 31.7 47.5  
65 21.1 16.1 24.1





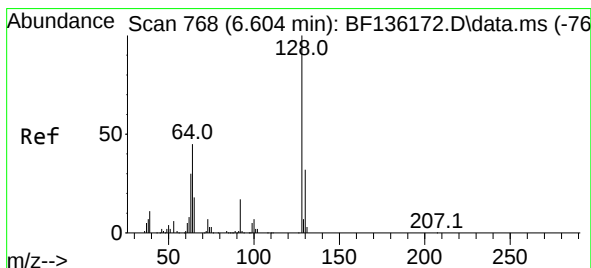
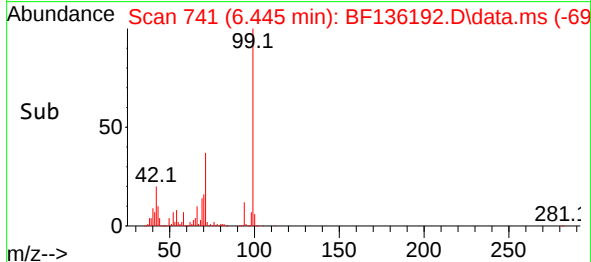
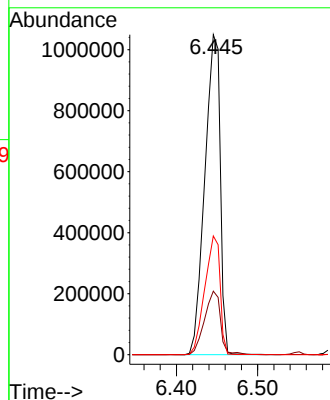
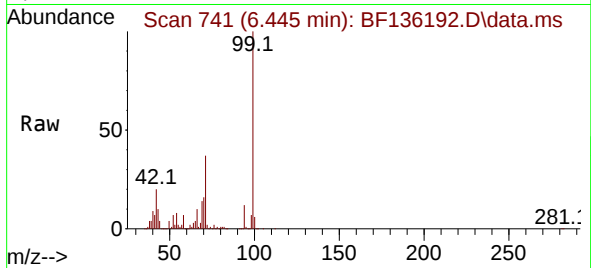
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Phenol-d6  
Concen: 140.003 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion: 99 Resp: 1379870  
Ion Ratio Lower Upper  
99 100  
42 19.8 14.1 21.1  
71 37.1 29.0 43.4

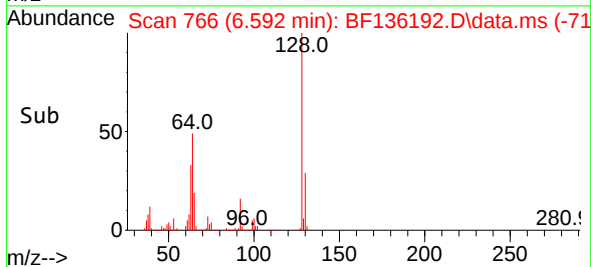
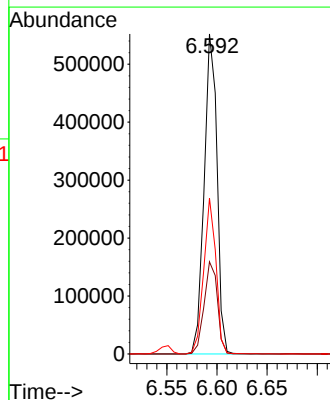
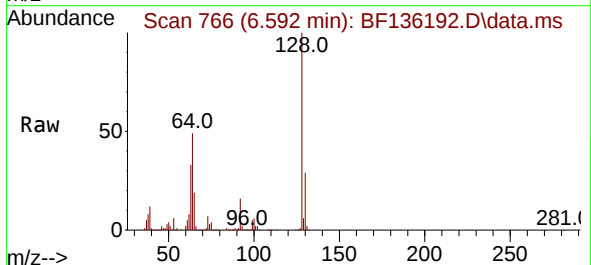
Manual Integrations  
APPROVED

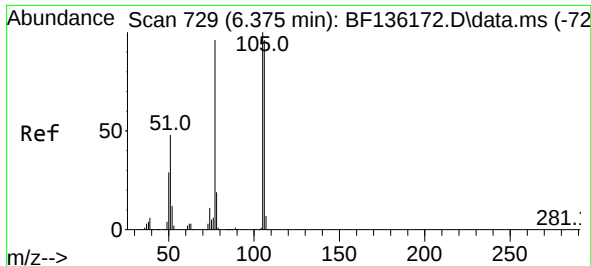
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#8  
2-Chlorophenol  
Concen: 57.384 ng  
RT: 6.592 min Scan# 766  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:128 Resp: 494787  
Ion Ratio Lower Upper  
128 100  
130 28.8 12.2 52.2  
64 48.7 26.5 66.5





#9

Benzaldehyde

Concen: 9.654 ng

RT: 6.357 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF136192.D

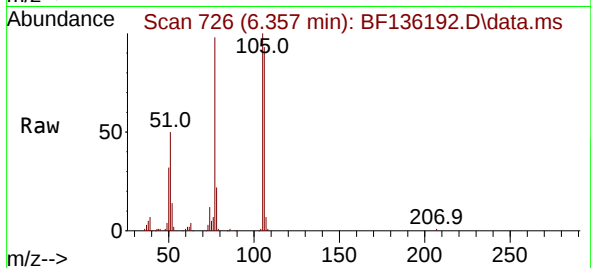
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD



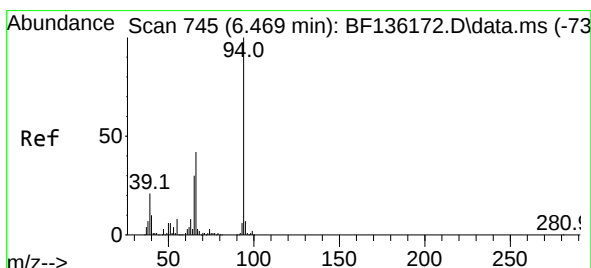
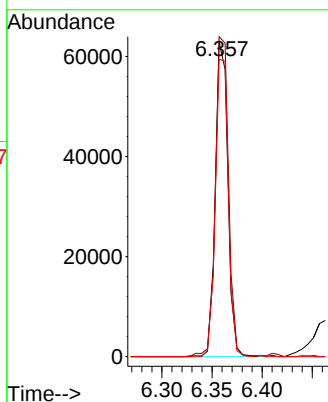
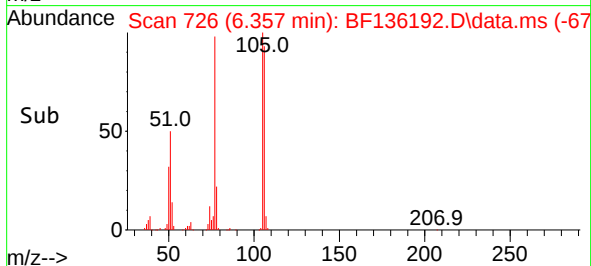
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 77    | Resp: | 55010 |
| Ion      | Ratio | Lower | Upper |
| 77       | 100   |       |       |
| 105      | 101.7 | 83.8  | 123.8 |
| 106      | 94.6  | 79.8  | 119.8 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#10

Phenol

Concen: 59.149 ng

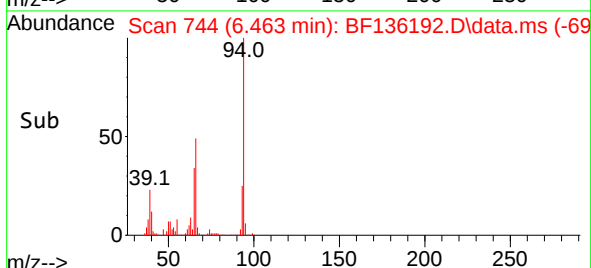
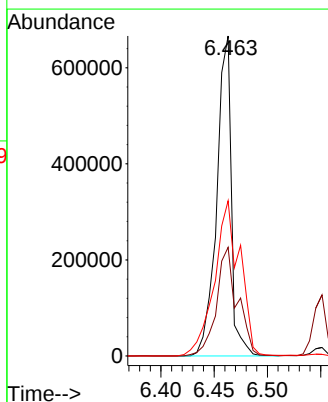
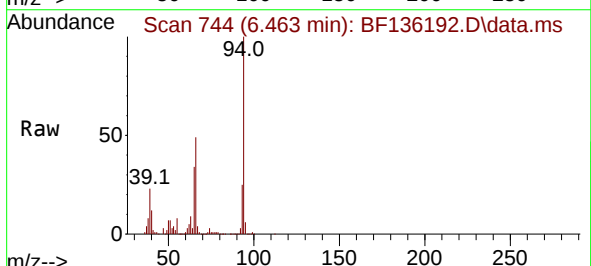
RT: 6.463 min Scan# 744

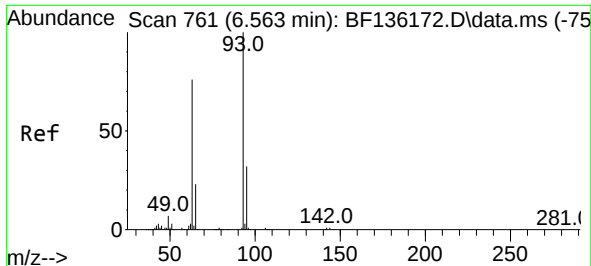
Delta R.T. 0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

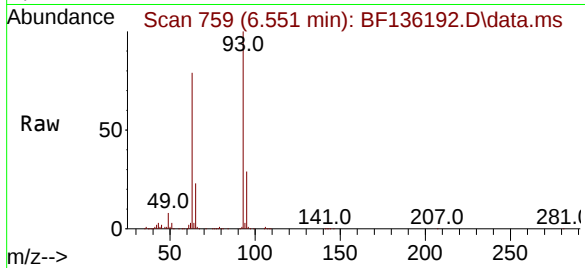
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 94    | Resp: | 636665 |
| Ion      | Ratio | Lower | Upper  |
| 94       | 100   |       |        |
| 65       | 34.0  | 9.7   | 49.7   |
| 66       | 48.5  | 22.5  | 62.5   |





#11  
bis(2-Chloroethyl)ether  
Concen: 56.113 ng  
RT: 6.551 min Scan# 761  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

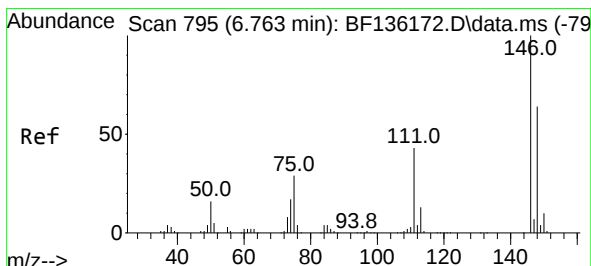
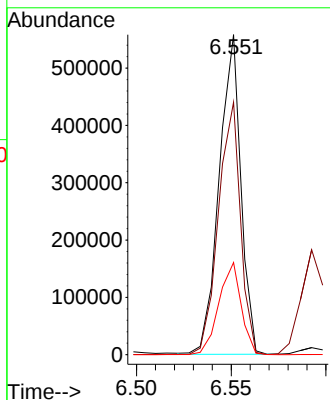
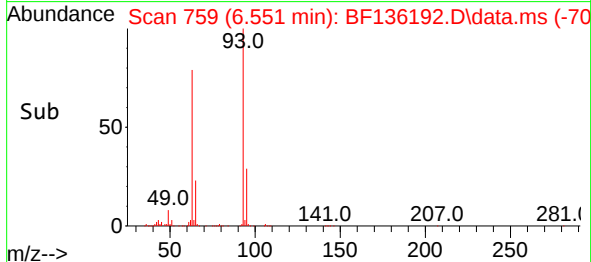
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



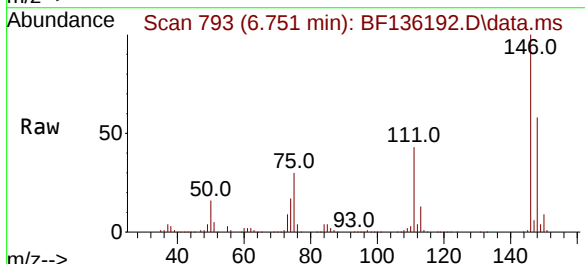
Tgt Ion: 93 Resp: 443907  
Ion Ratio Lower Upper  
93 100  
63 78.9 56.3 96.3  
95 28.8 12.1 52.1

Manual Integrations  
APPROVED

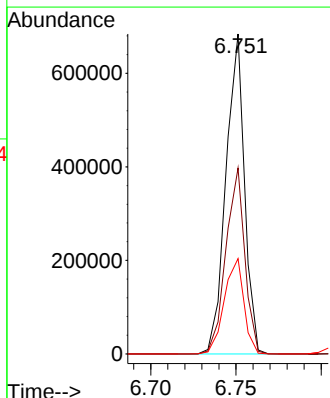
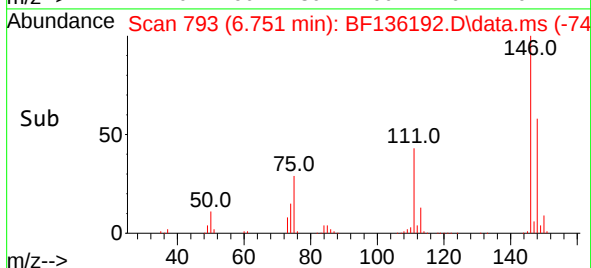
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

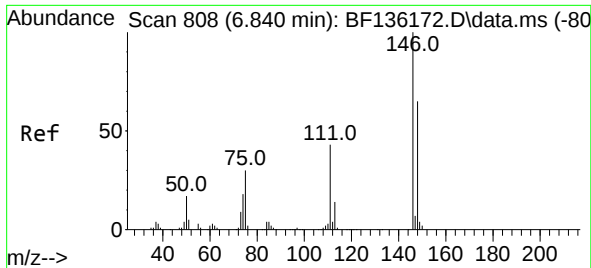


#12  
1,3-Dichlorobenzene  
Concen: 57.053 ng  
RT: 6.751 min Scan# 793  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



Tgt Ion:146 Resp: 518912  
Ion Ratio Lower Upper  
146 100  
148 58.1 51.2 76.8  
75 29.8 23.4 35.2





#13

1,4-Dichlorobenzene

Concen: 58.561 ng

RT: 6.828 min Scan# 80

Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

Tgt Ion:146 Resp: 534070

Ion Ratio Lower Upper

146 100

148 58.8 51.8 77.8

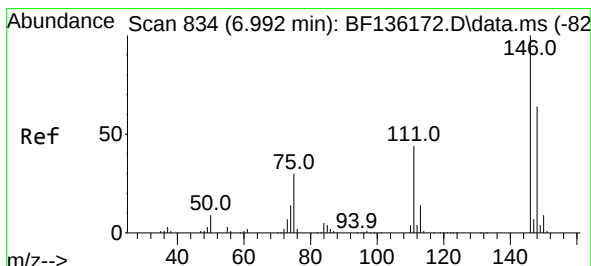
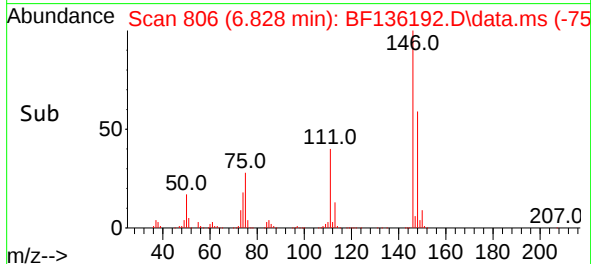
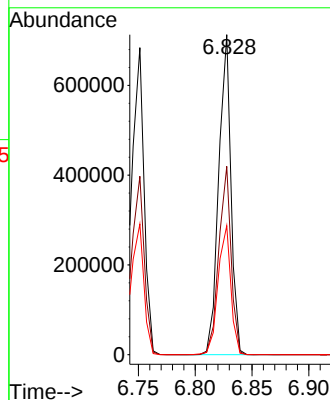
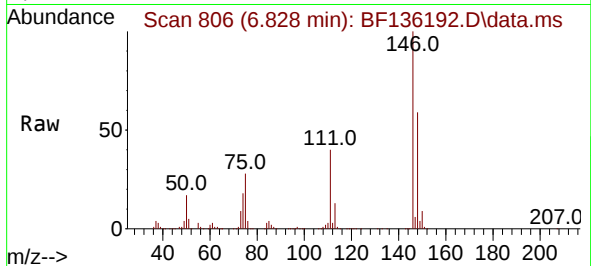
111 40.3 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#14

1,2-Dichlorobenzene

Concen: 58.223 ng

RT: 6.975 min Scan# 831

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

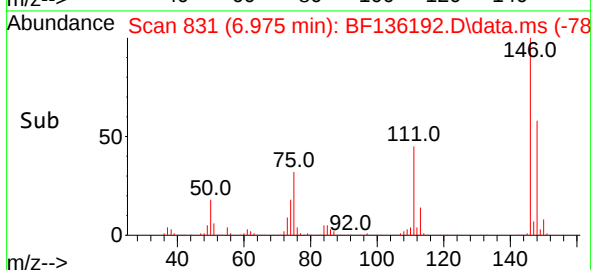
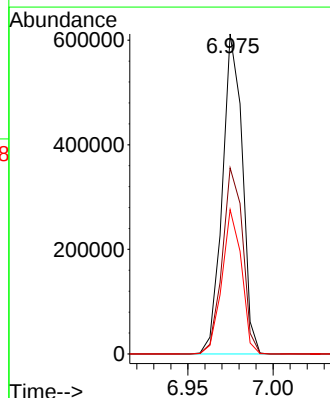
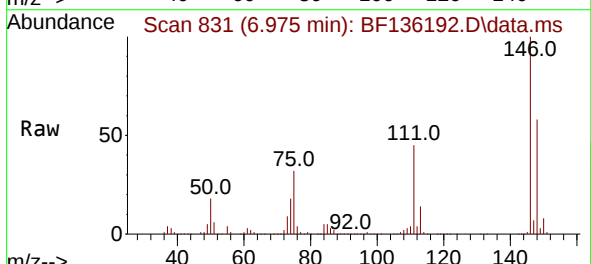
Tgt Ion:146 Resp: 499092

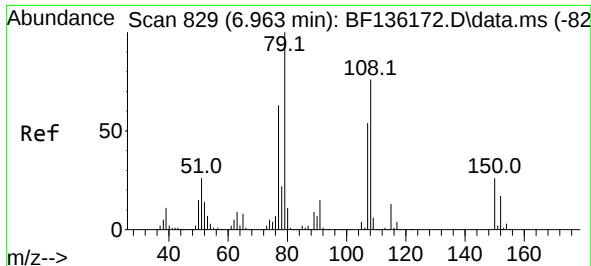
Ion Ratio Lower Upper

146 100

148 58.2 51.4 77.2

111 45.1 35.0 52.4





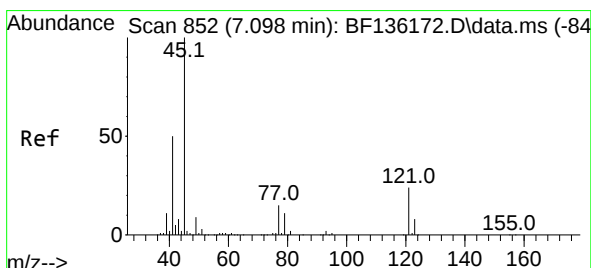
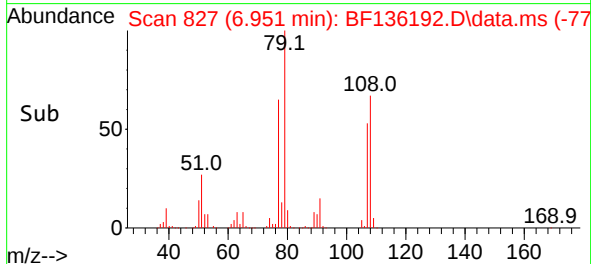
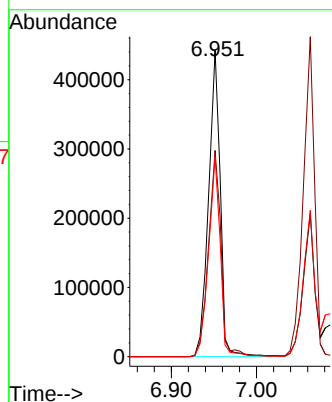
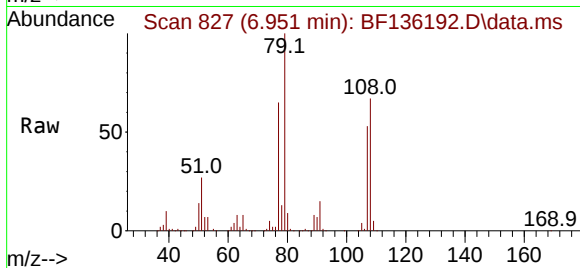
#15  
Benzyl Alcohol  
Concen: 57.251 ng  
RT: 6.951 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion: 79 Resp: 42202  
Ion Ratio Lower Upper  
79 100  
108 67.3 60.6 90.8  
77 65.3 50.3 75.5

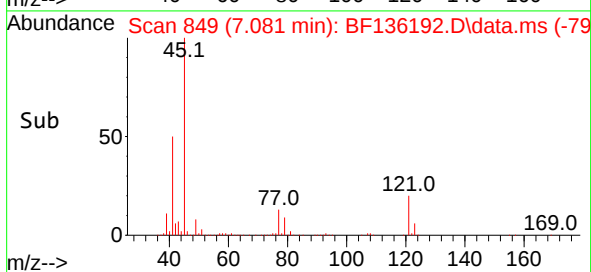
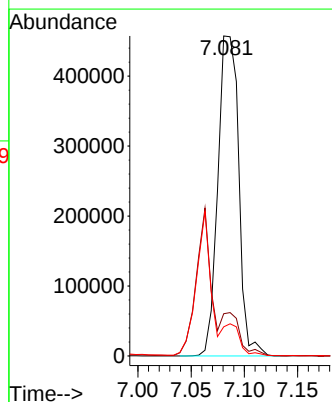
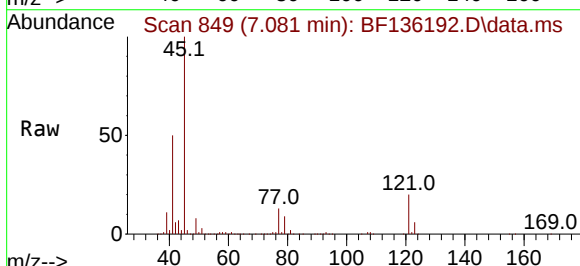
Manual Integrations  
APPROVED

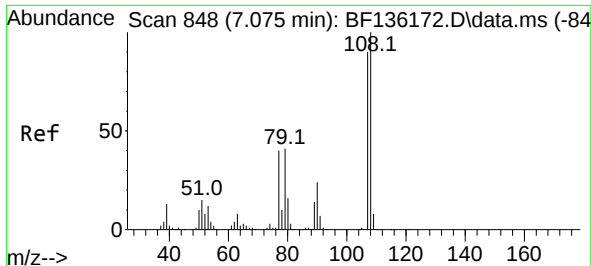
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 60.057 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

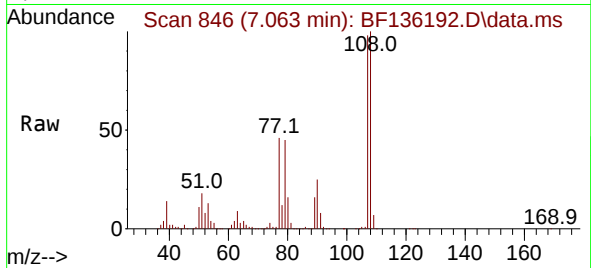
Tgt Ion: 45 Resp: 620679  
Ion Ratio Lower Upper  
45 100  
77 13.2 0.0 35.2  
79 9.1 0.0 31.2





#17  
2-Methylphenol  
Concen: 56.023 ng  
RT: 7.063 min Scan# 848  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

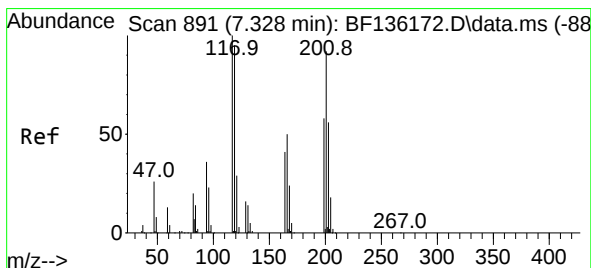
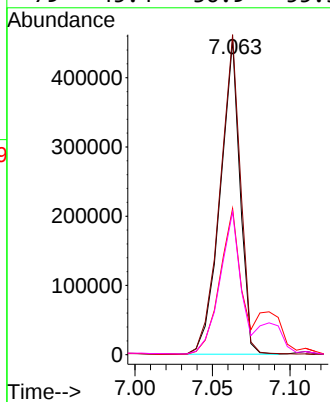
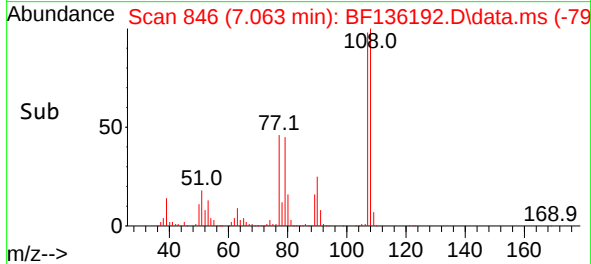
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:107 Resp: 40303  
Ion Ratio Lower Upper  
107 100  
108 101.6 89.4 134.2  
77 46.5 35.9 53.9  
79 45.4 36.9 55.3

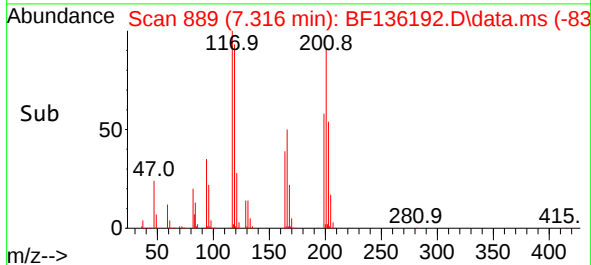
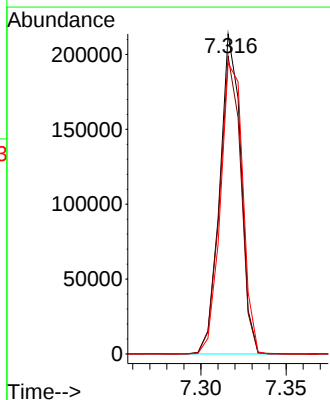
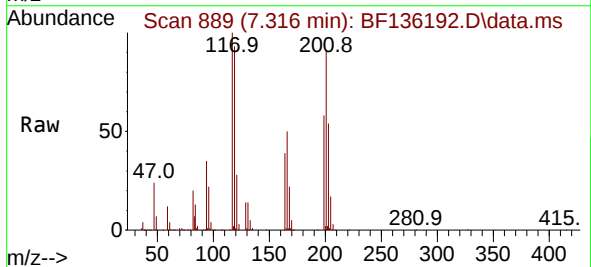
Manual Integrations  
APPROVED

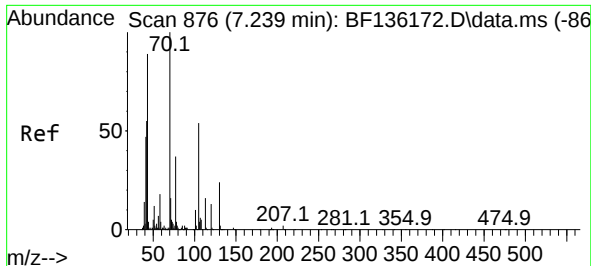
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#18  
Hexachloroethane  
Concen: 55.288 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:117 Resp: 184008  
Ion Ratio Lower Upper  
117 100  
119 93.1 76.2 114.4  
201 90.9 73.7 110.5





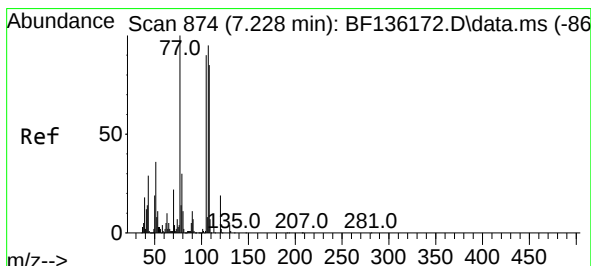
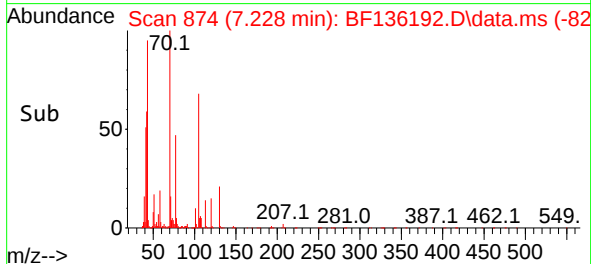
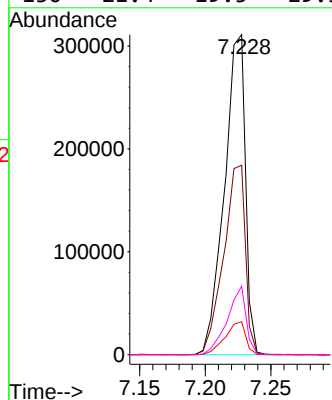
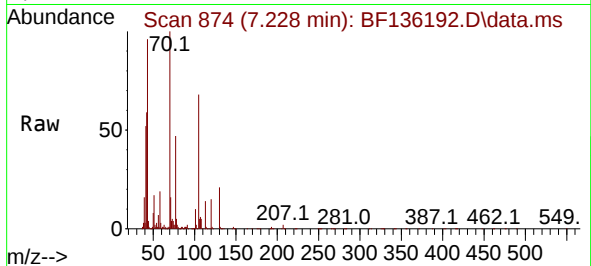
#19  
n-Nitroso-di-n-propylamine  
Concen: 61.020 ng  
RT: 7.228 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion: 70 Resp: 34716  
Ion Ratio Lower Upper  
70 100  
42 59.2 43.9 65.9  
101 10.3 8.1 12.1  
130 21.4 19.5 29.3

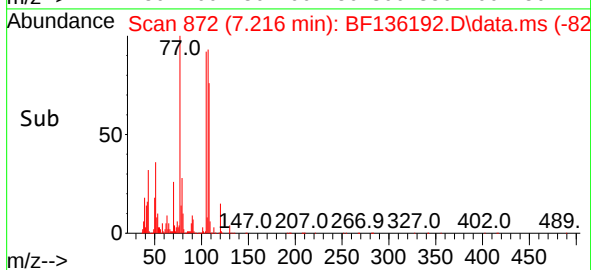
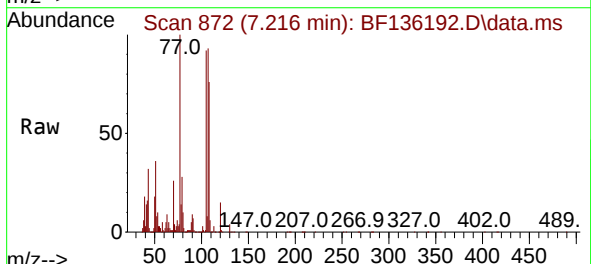
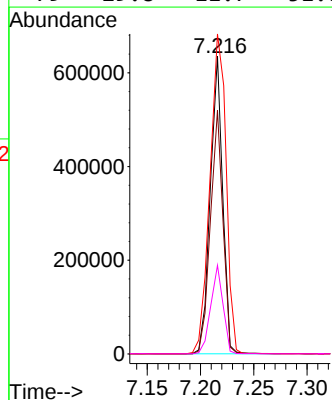
Manual Integrations  
APPROVED

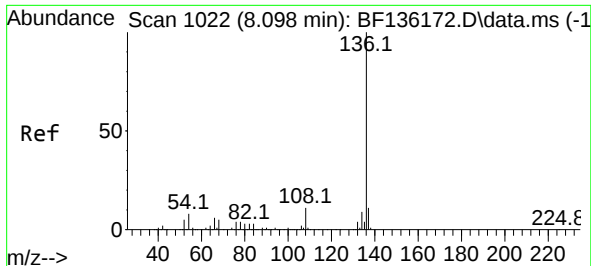
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#20  
3+4-Methylphenols  
Concen: 57.293 ng  
RT: 7.216 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:107 Resp: 514385  
Ion Ratio Lower Upper  
107 100  
108 81.8 70.1 110.1  
77 107.4 85.7 125.7  
79 29.8 11.7 51.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

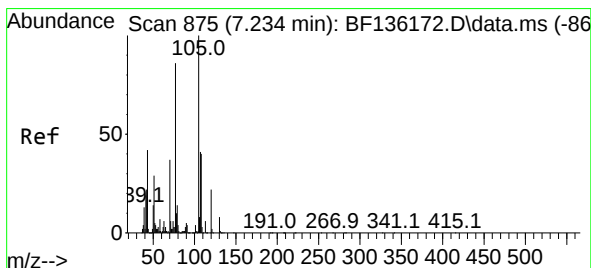
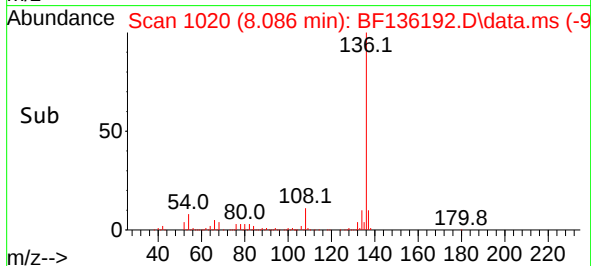
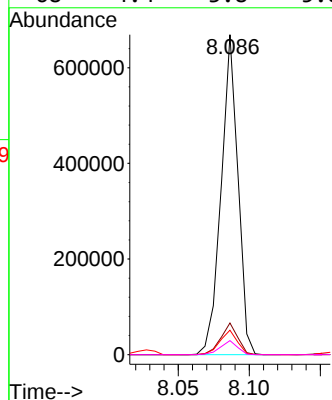
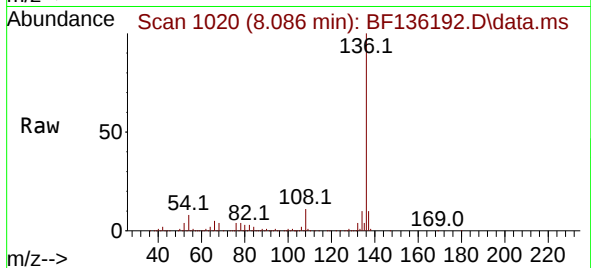
TP-11MSD

Tgt Ion:136 Resp: 550710  
Ion Ratio Lower Upper  
136 100  
137 9.9 8.6 13.0  
54 7.7 6.3 9.5  
68 4.4 3.8 5.8

Manual Integrations

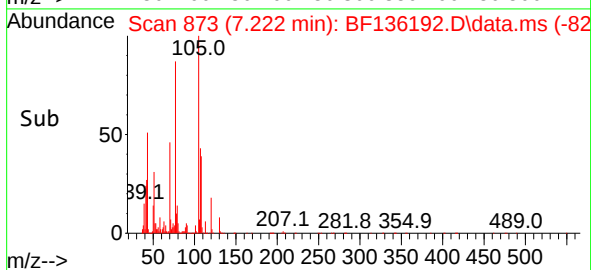
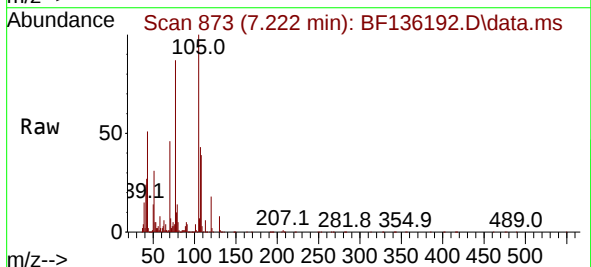
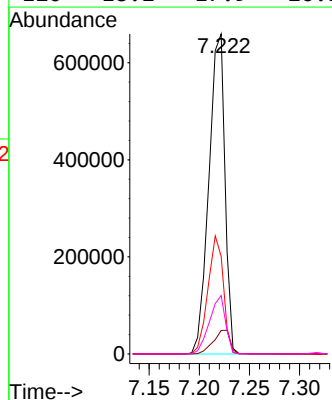
APPROVED

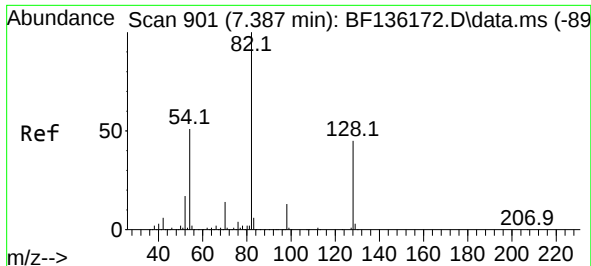
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#22  
Acetophenone  
Concen: 57.966 ng  
RT: 7.222 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

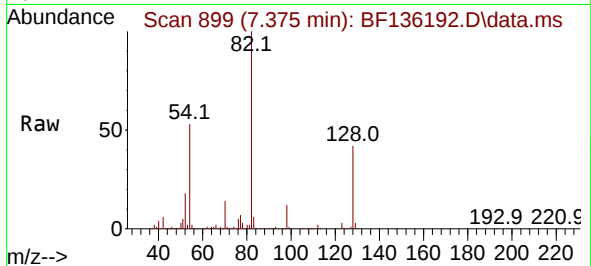
Tgt Ion:105 Resp: 737034  
Ion Ratio Lower Upper  
105 100  
71 7.4 5.0 7.4  
51 30.5 23.5 35.3  
120 18.2 17.9 26.9





#23  
Nitrobenzene-d5  
Concen: 86.107 ng  
RT: 7.375 min Scan# 899  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

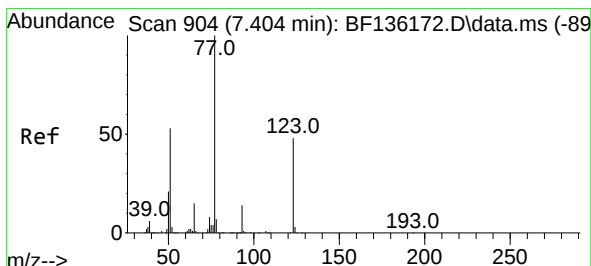
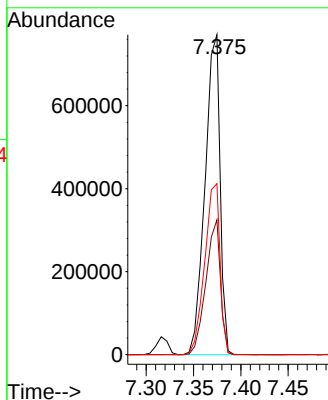
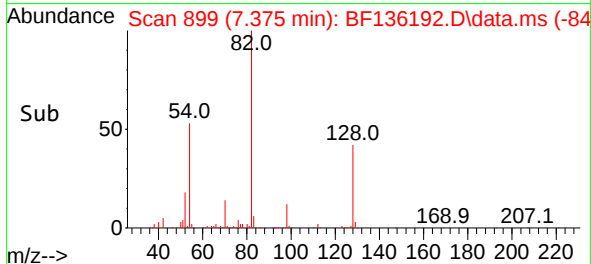
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion: 82 Resp: 84978  
Ion Ratio Lower Upper  
82 100  
128 42.1 35.8 53.6  
54 53.5 40.6 60.8

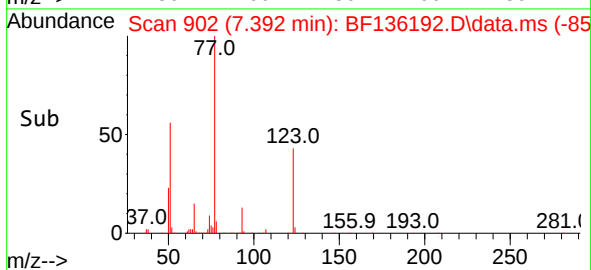
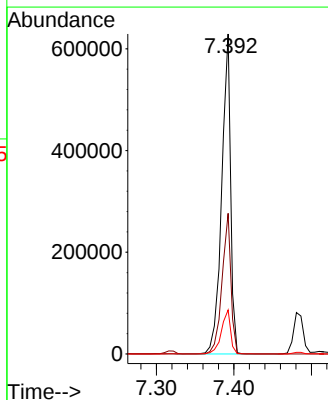
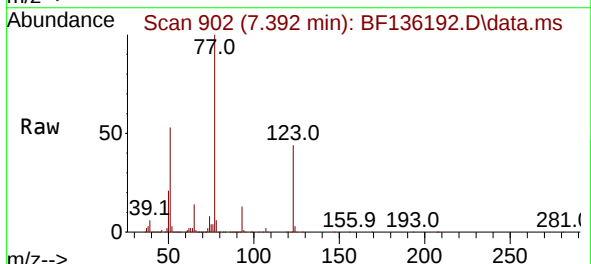
Manual Integrations  
APPROVED

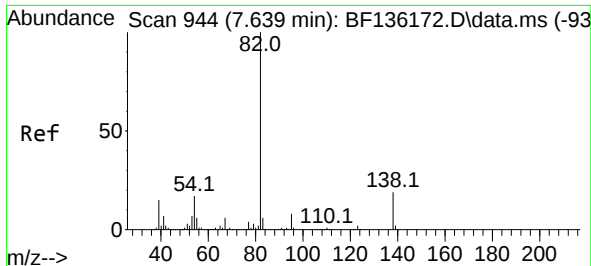
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#24  
Nitrobenzene  
Concen: 52.377 ng  
RT: 7.392 min Scan# 902  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion: 77 Resp: 503045  
Ion Ratio Lower Upper  
77 100  
123 44.0 38.8 58.2  
65 13.7 11.7 17.5





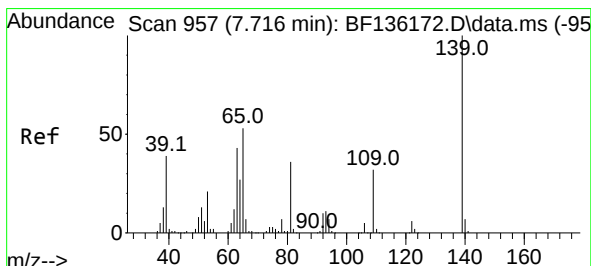
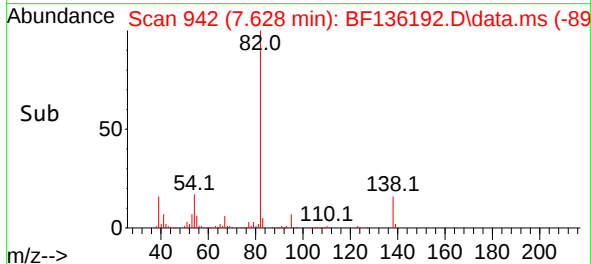
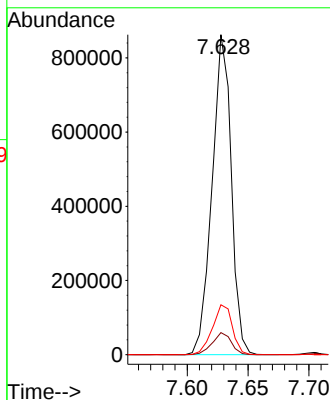
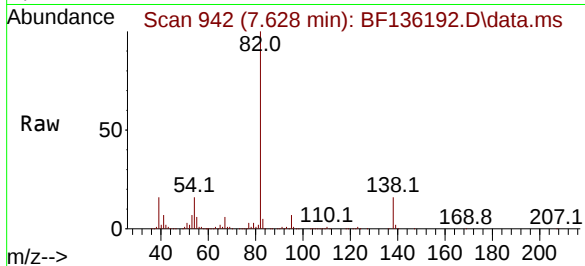
#25  
Isophorone  
Concen: 55.399 ng  
RT: 7.628 min Scan# 944  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion: 82 Resp: 94351  
Ion Ratio Lower Upper  
82 100  
95 6.9 6.2 9.4  
138 15.6 14.8 22.2

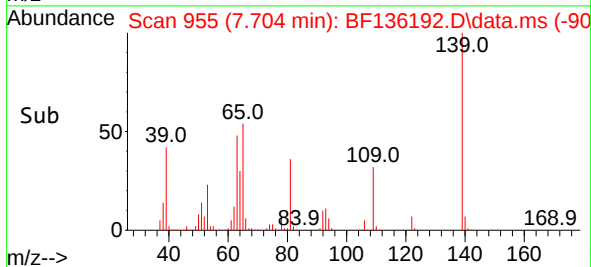
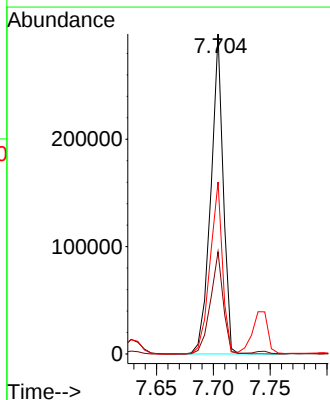
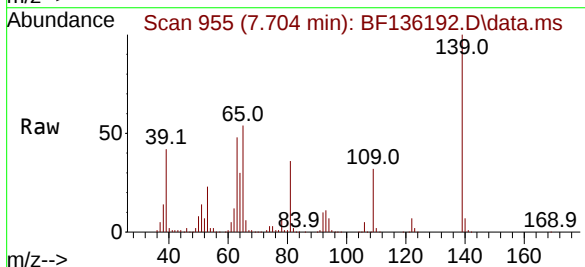
Manual Integrations  
APPROVED

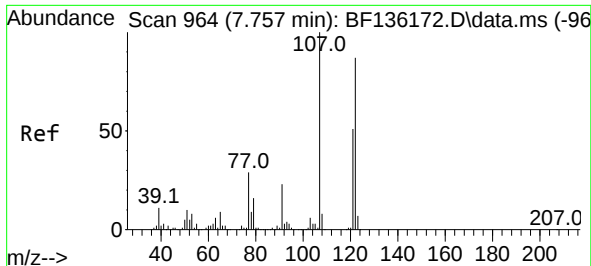
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#26  
2-Nitrophenol  
Concen: 48.581 ng  
RT: 7.704 min Scan# 955  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:139 Resp: 226145  
Ion Ratio Lower Upper  
139 100  
109 31.9 25.8 38.8  
65 53.8 42.7 64.1





#27

2,4-Dimethylphenol

Concen: 46.551 ng

RT: 7.745 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF136192.D

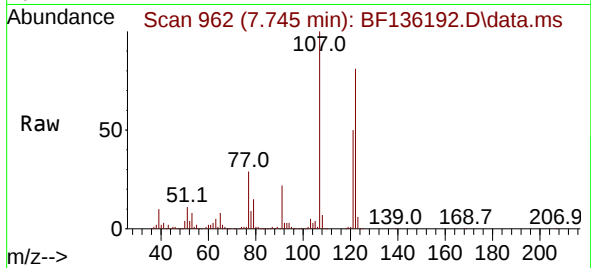
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD



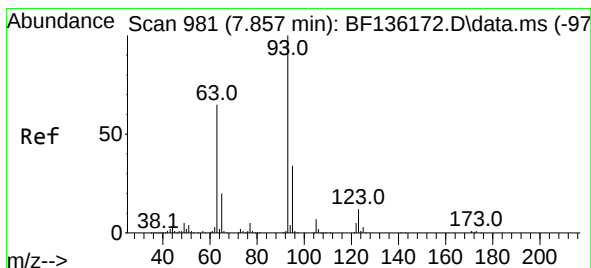
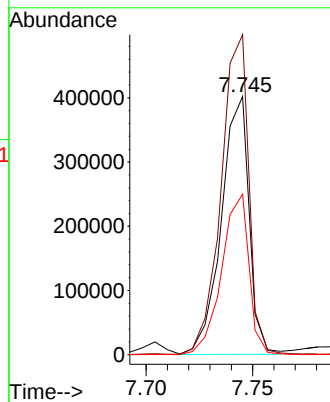
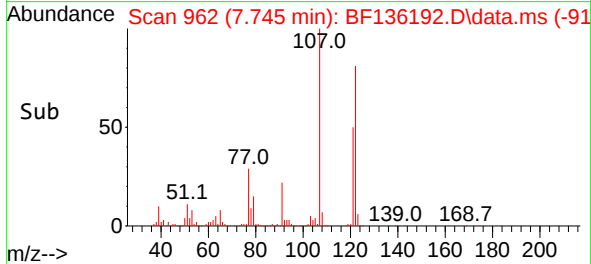
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 36398 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 123.9 | 91.8  | 137.8 |
| 121       | 62.2  | 47.0  | 70.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 54.934 ng

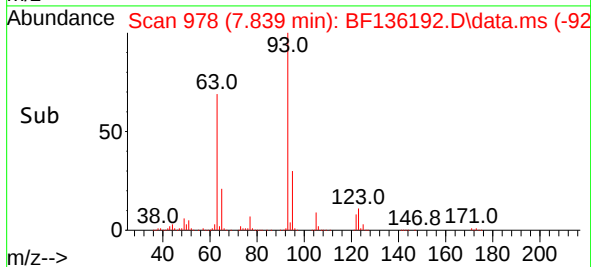
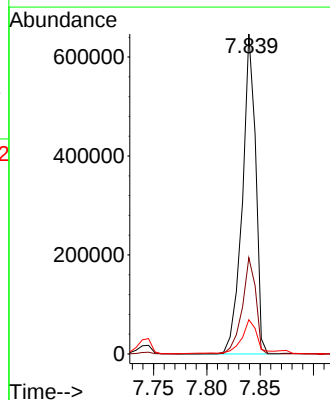
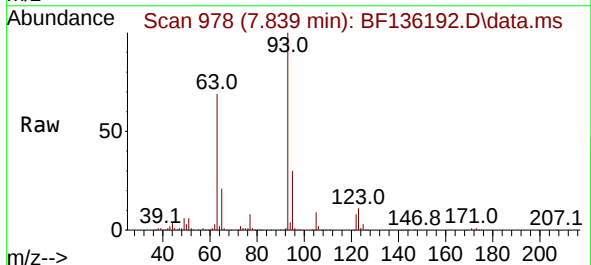
RT: 7.839 min Scan# 978

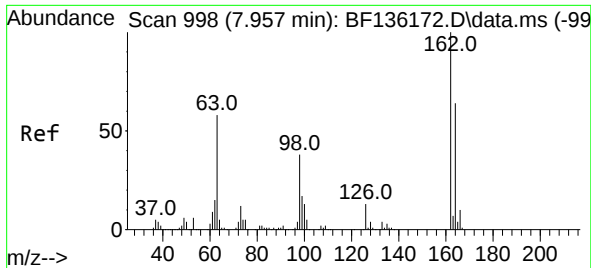
Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 564233 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 30.1  | 27.2  | 40.8   |
| 123       | 10.7  | 10.2  | 15.4   |





#29

2,4-Dichlorophenol

Concen: 54.008 ng

RT: 7.945 min Scan# 998

Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

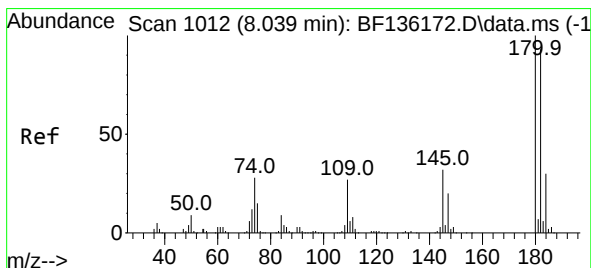
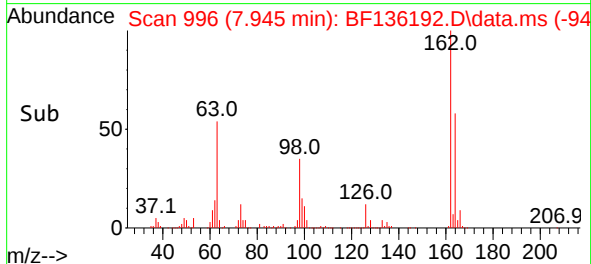
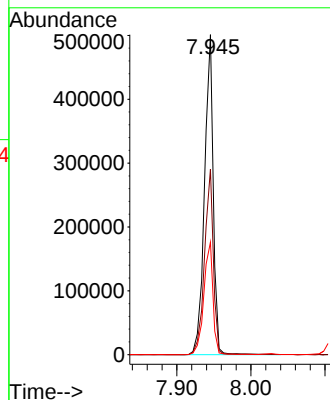
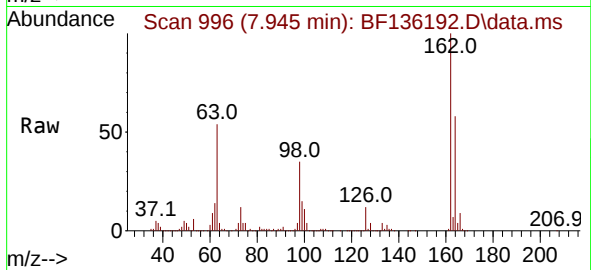
TP-11MSD

Tgt Ion:162 Resp: 41175  
 Ion Ratio Lower Upper  
 162 100  
 164 58.0 43.7 83.7  
 98 35.2 18.4 58.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 54.801 ng

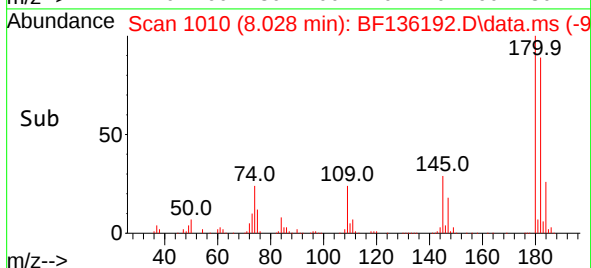
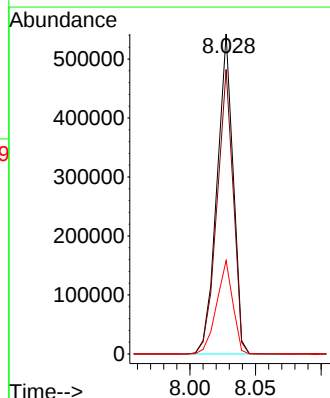
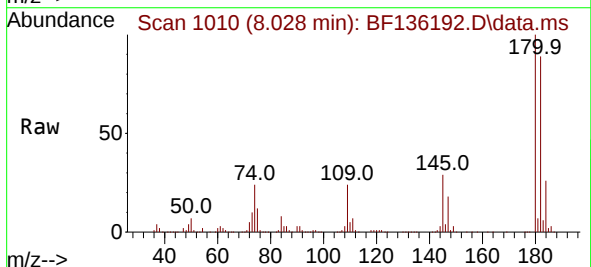
RT: 8.028 min Scan# 1010

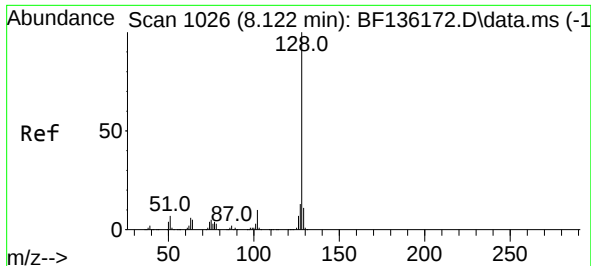
Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

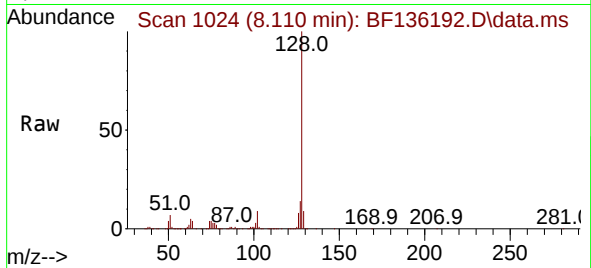
Tgt Ion:180 Resp: 465188  
 Ion Ratio Lower Upper  
 180 100  
 182 88.9 74.8 112.2  
 145 29.2 25.3 37.9





#31  
Naphthalene  
Concen: 55.320 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

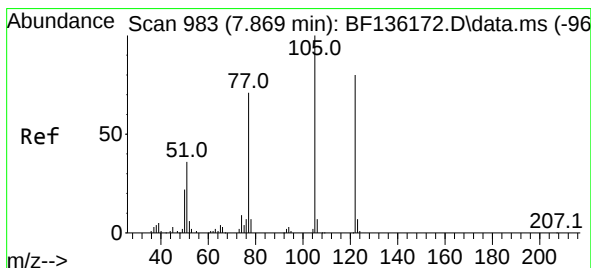
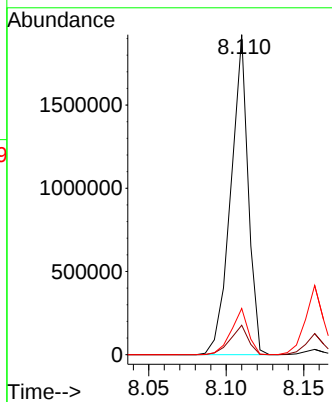
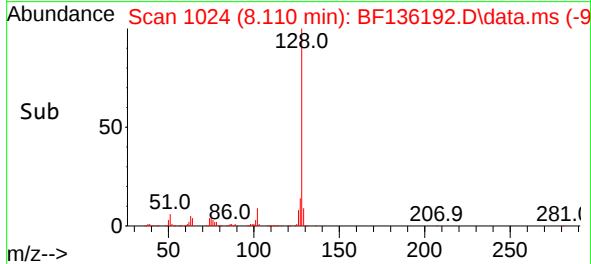
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:128 Resp: 150075  
Ion Ratio Lower Upper  
128 100  
129 9.2 8.9 13.3  
127 14.5 10.6 16.0

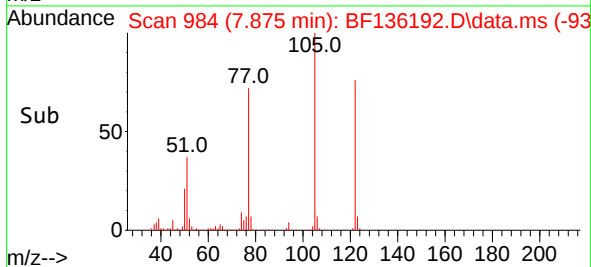
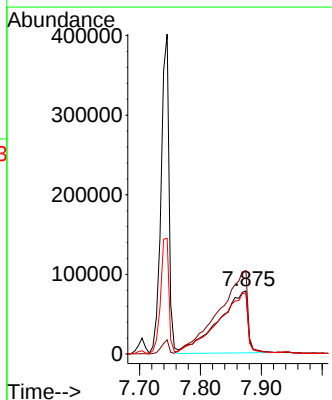
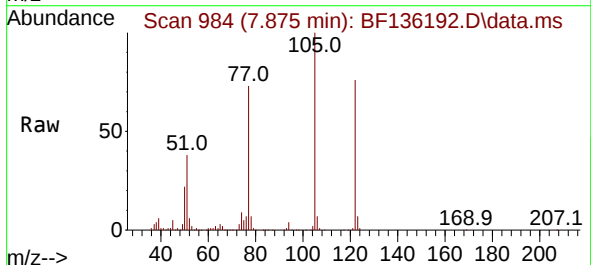
Manual Integrations  
APPROVED

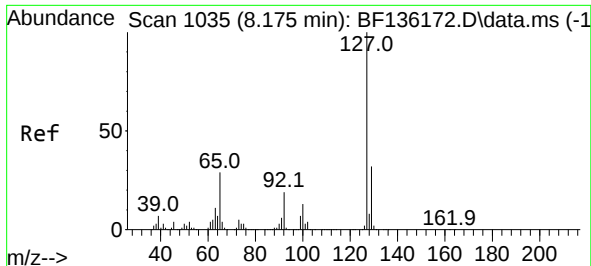
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#32  
Benzoic acid  
Concen: 45.953 ng  
RT: 7.875 min Scan# 984  
Delta R.T. 0.017 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:122 Resp: 264118  
Ion Ratio Lower Upper  
122 100  
105 132.1 102.5 142.5  
77 97.0 68.1 108.1





#33  
4-Chloroaniline  
Concen: 29.954 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

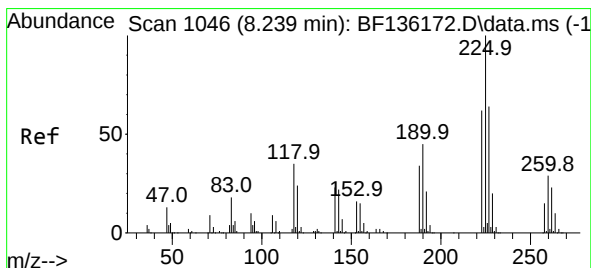
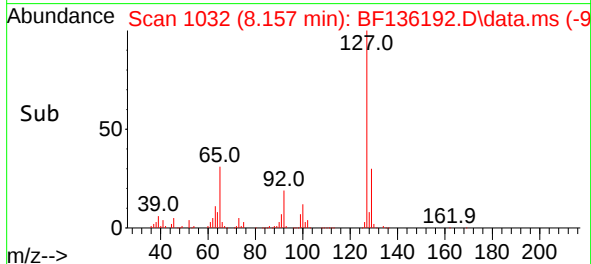
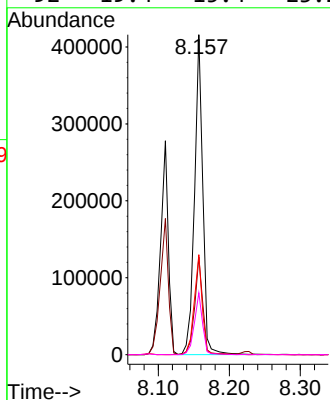
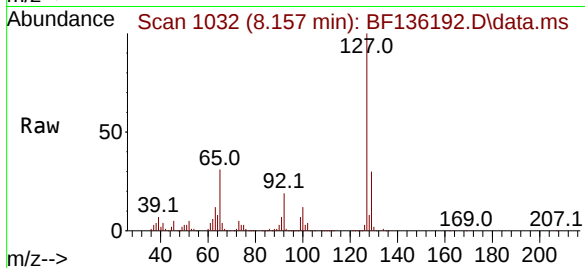
TP-11MSD

Tgt Ion:127 Resp: 337040  
Ion Ratio Lower Upper  
127 100  
129 30.5 25.7 38.5  
65 31.2 23.3 34.9  
92 19.4 15.4 23.2

Manual Integrations

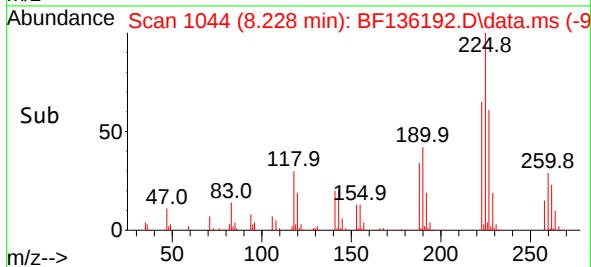
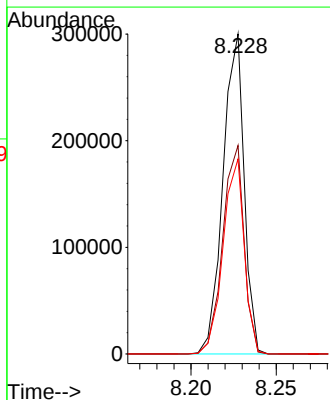
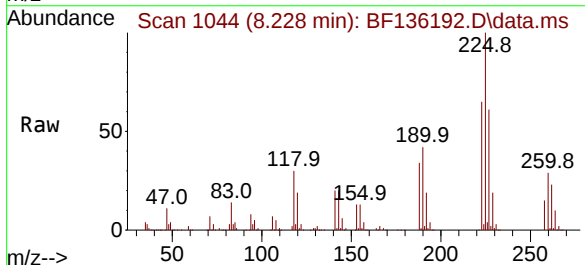
APPROVED

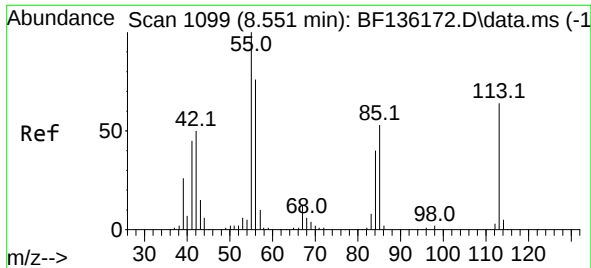
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#34  
Hexachlorobutadiene  
Concen: 50.128 ng  
RT: 8.228 min Scan# 1044  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

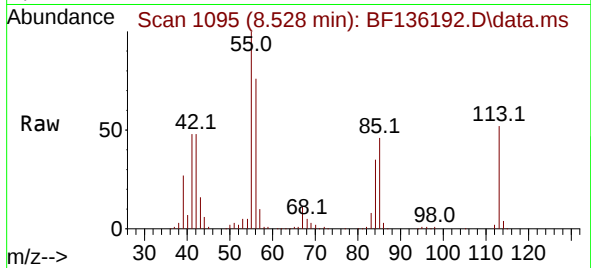
Tgt Ion:225 Resp: 258674  
Ion Ratio Lower Upper  
225 100  
223 65.2 49.8 74.6  
227 61.0 51.1 76.7





#35  
Caprolactam  
Concen: 53.902 ng m  
RT: 8.528 min Scan# 1099  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

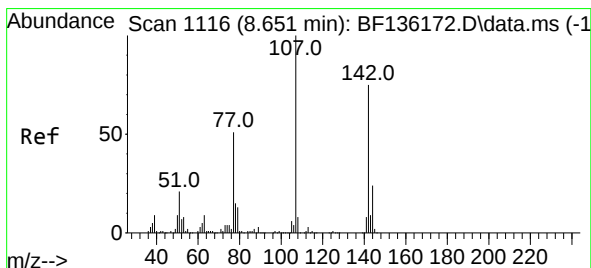
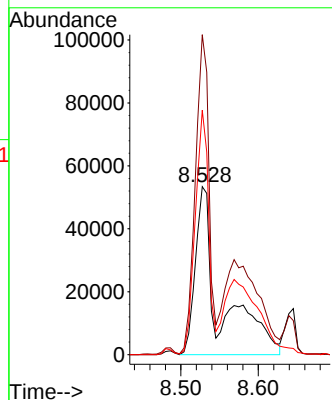
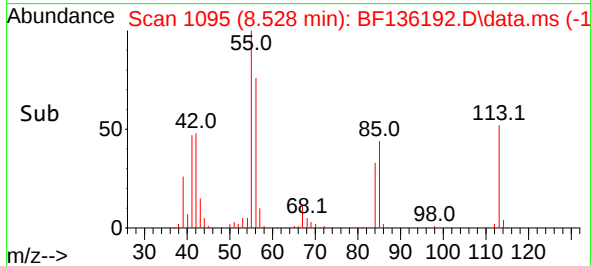
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:113 Resp: 11898  
Ion Ratio Lower Upper  
113 100  
55 190.6 137.2 177.2  
56 145.6 99.8 139.8

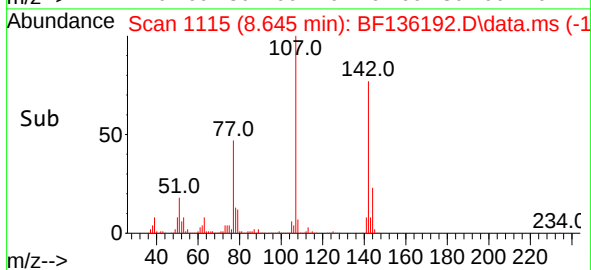
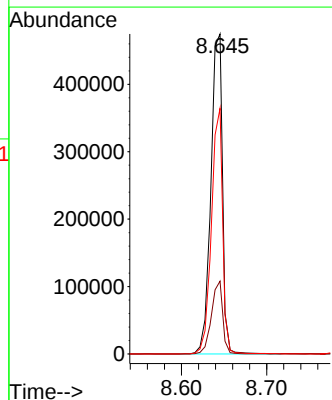
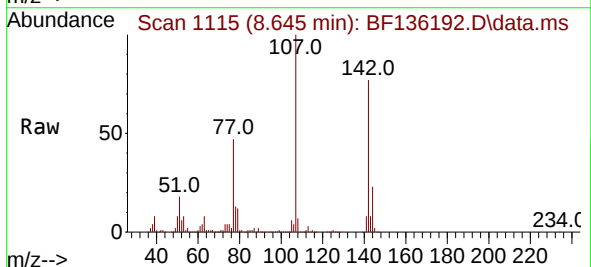
Manual Integrations  
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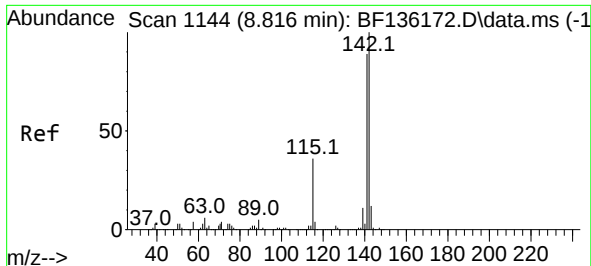
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#36  
4-Chloro-3-methylphenol  
Concen: 56.242 ng  
RT: 8.645 min Scan# 1115  
Delta R.T. 0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:107 Resp: 450191  
Ion Ratio Lower Upper  
107 100  
144 22.8 19.4 29.0  
142 76.8 59.9 89.9





#37

2-Methylnaphthalene

Concen: 51.365 ng

RT: 8.798 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

Tgt Ion:142 Resp: 93429

Ion Ratio Lower Upper

142 100

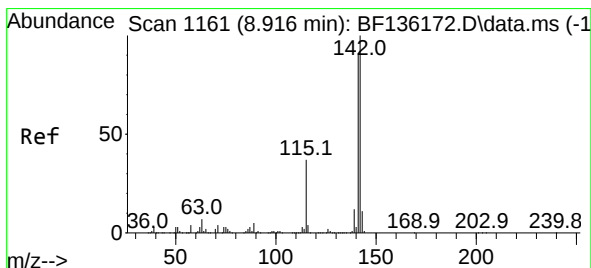
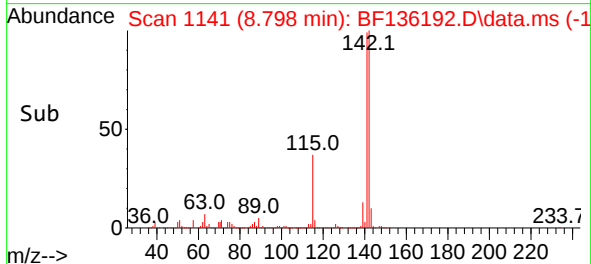
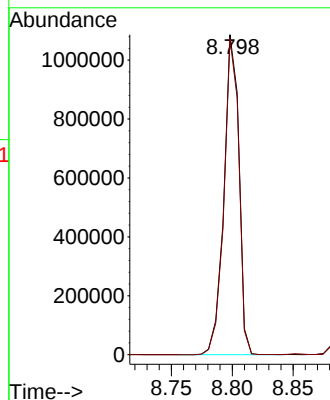
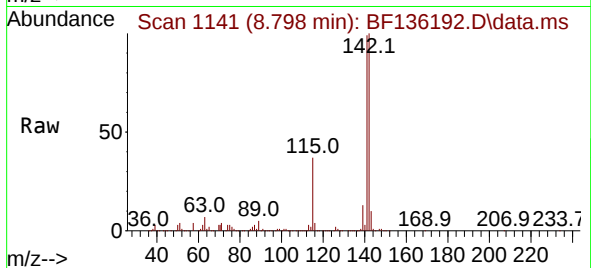
141 98.7 71.4 107.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#38

1-Methylnaphthalene

Concen: 53.123 ng

RT: 8.898 min Scan# 1158

Delta R.T. -0.000 min

Lab File: BF136192.D

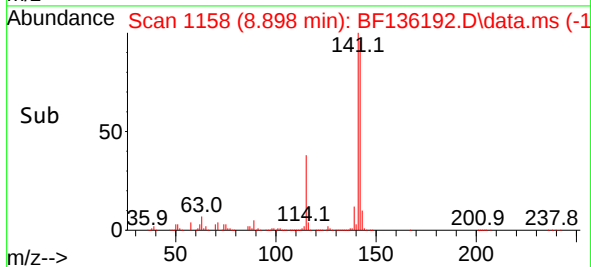
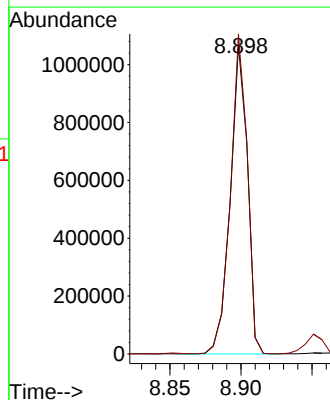
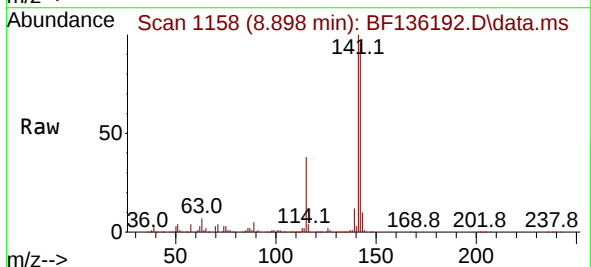
Acq: 24 Nov 2023 21:53

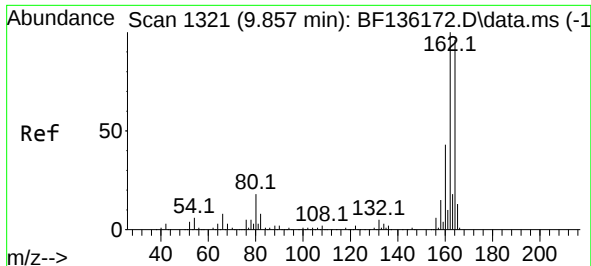
Tgt Ion:142 Resp: 896501

Ion Ratio Lower Upper

142 100

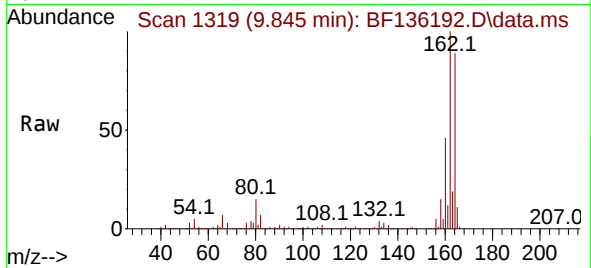
141 103.7 72.7 109.1





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.845 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

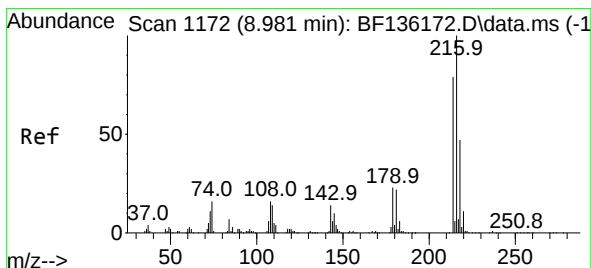
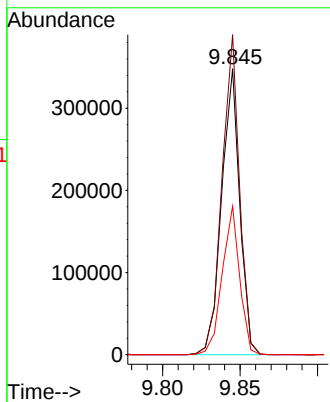
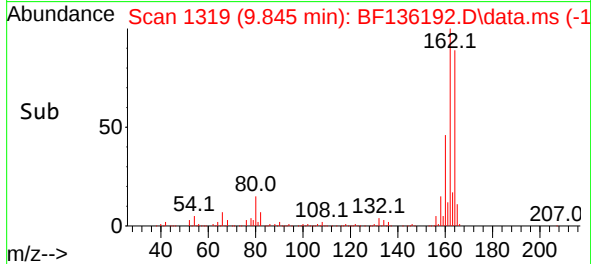
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:164 Resp: 282249  
Ion Ratio Lower Upper  
164 100  
162 111.9 83.2 124.8  
160 51.9 35.8 53.8

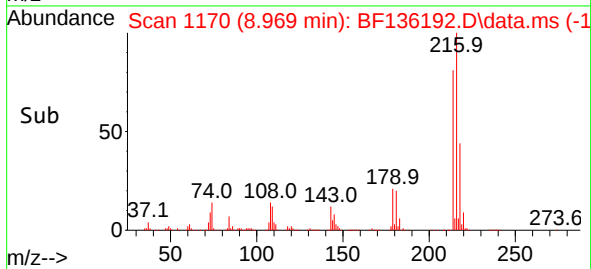
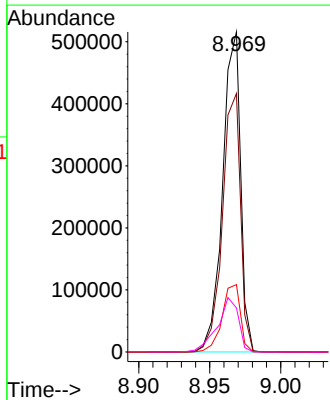
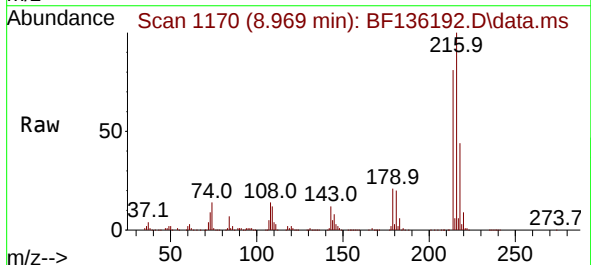
Manual Integrations  
APPROVED

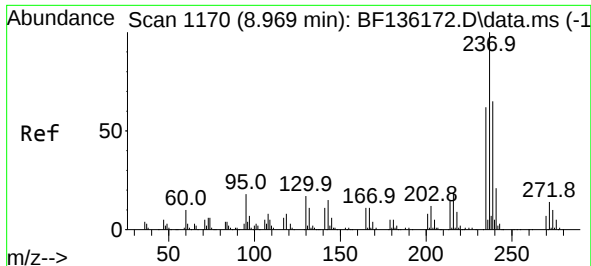
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 53.220 ng  
RT: 8.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

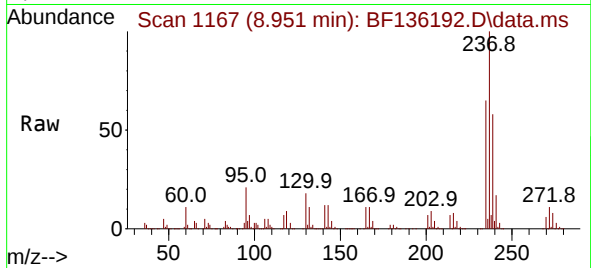
Tgt Ion:216 Resp: 450190  
Ion Ratio Lower Upper  
216 100  
214 81.8 63.8 95.8  
179 21.6 18.0 27.0  
108 19.9 15.3 22.9





#41  
Hexachlorocyclopentadiene  
Concen: 117.999 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

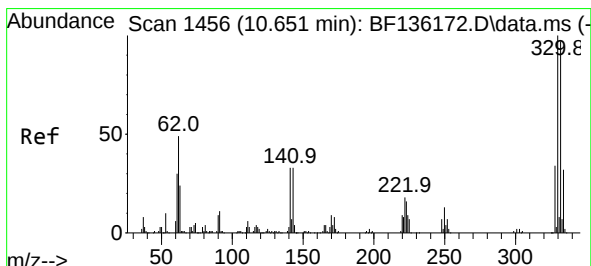
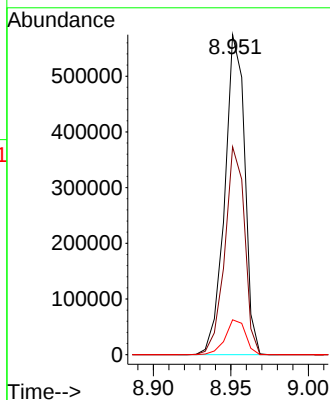
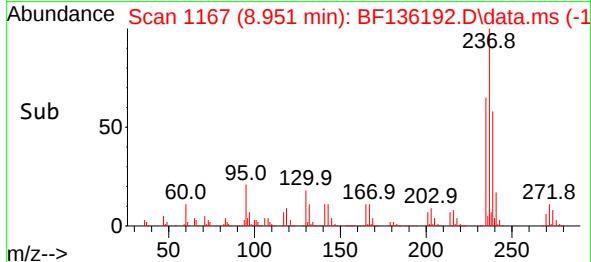
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



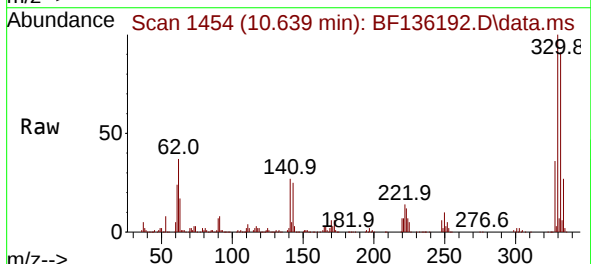
Tgt Ion:237 Resp: 514724  
Ion Ratio Lower Upper  
237 100  
235 64.9 42.3 82.3  
272 10.9 0.0 33.8

Manual Integrations  
APPROVED

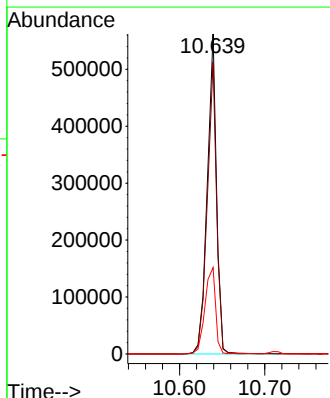
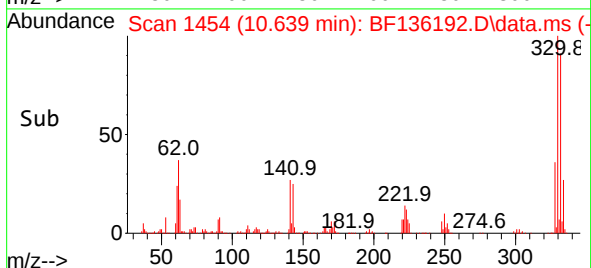
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

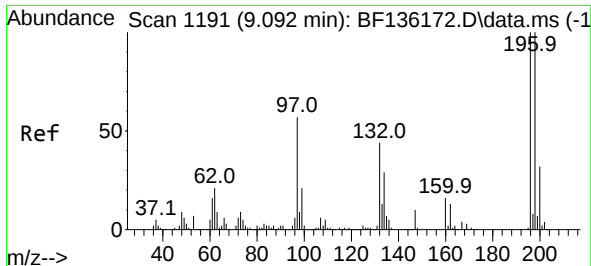


#42  
2,4,6-Tribromophenol  
Concen: 144.308 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



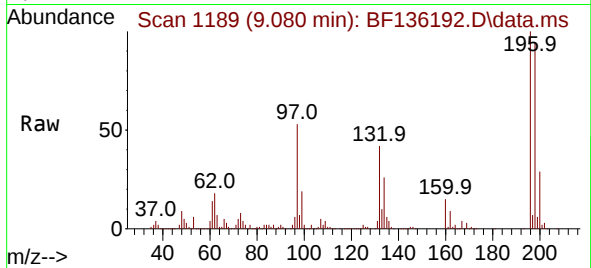
Tgt Ion:330 Resp: 426591  
Ion Ratio Lower Upper  
330 100  
332 91.9 77.6 116.4  
141 30.9 25.8 38.6





#43  
2,4,6-Trichlorophenol  
Concen: 55.929 ng  
RT: 9.080 min Scan# 1190  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

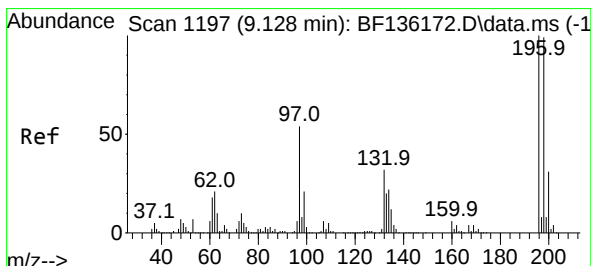
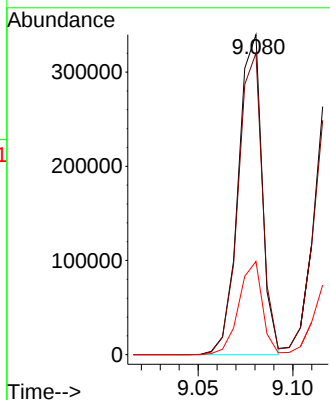
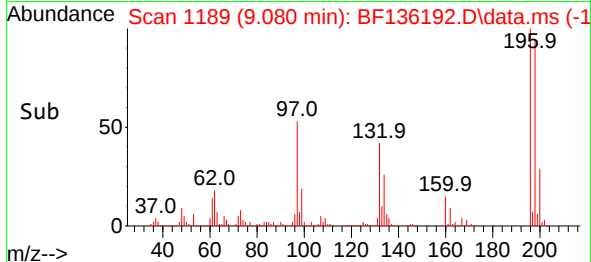
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



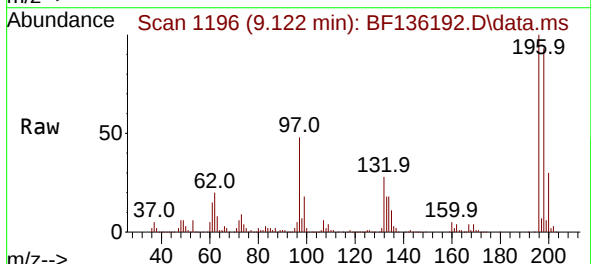
Tgt Ion:196 Resp: 296244  
Ion Ratio Lower Upper  
196 100  
198 94.3 80.2 120.4  
200 29.2 25.5 38.3

Manual Integrations  
APPROVED

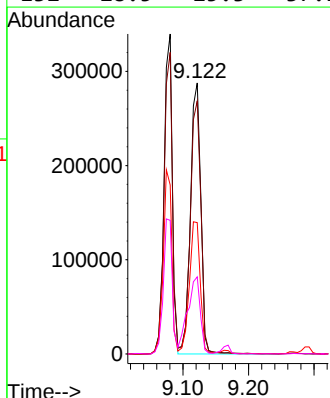
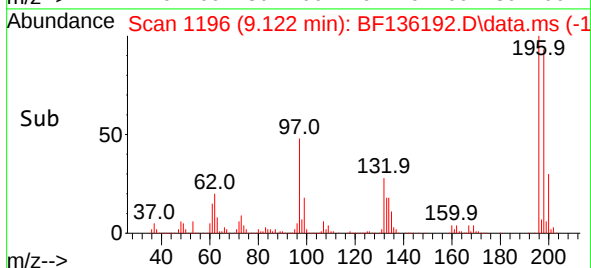
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

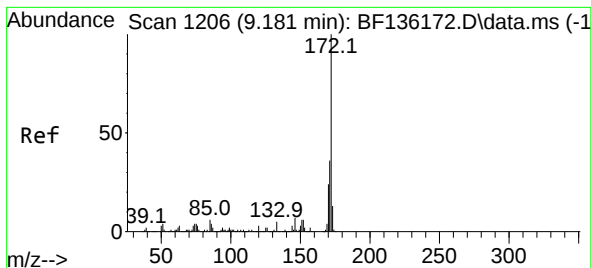


#44  
2,4,5-Trichlorophenol  
Concen: 51.951 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



Tgt Ion:196 Resp: 317000  
Ion Ratio Lower Upper  
196 100  
198 93.4 78.9 118.3  
97 48.5 43.6 65.4  
132 28.5 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 89.082 ng

RT: 9.169 min Scan# 1204

Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

Tgt Ion:172 Resp: 170094

Ion Ratio Lower Upper

172 100

171 39.3 28.9 43.3

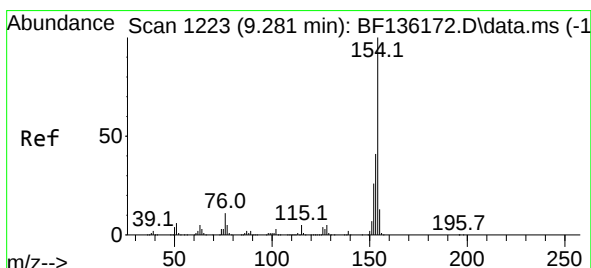
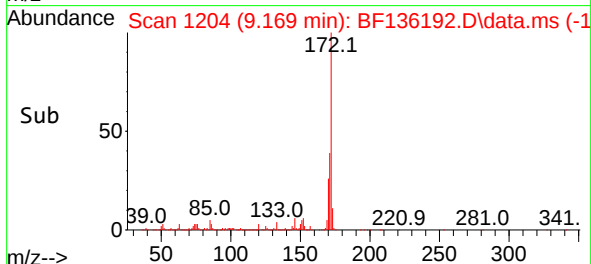
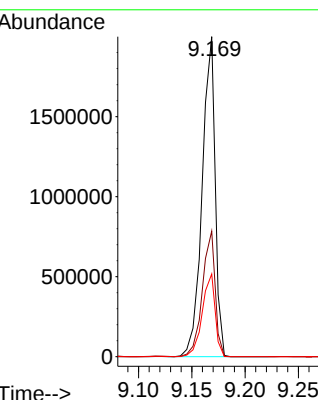
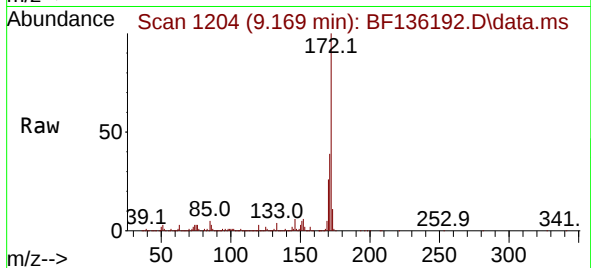
170 25.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#46

1,1'-Biphenyl

Concen: 56.249 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

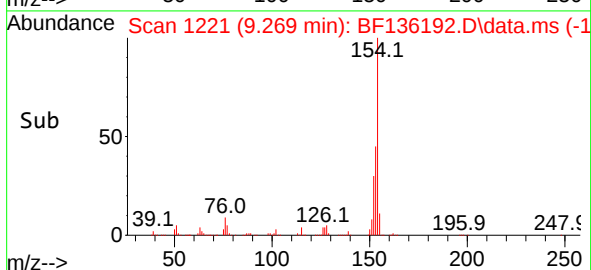
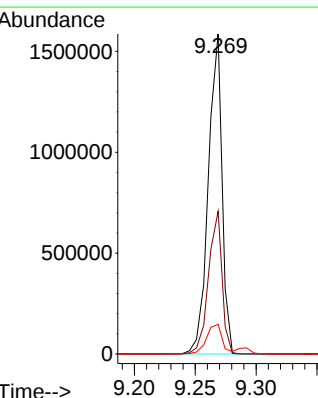
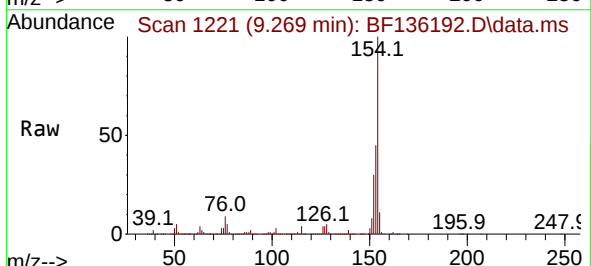
Tgt Ion:154 Resp: 1245780

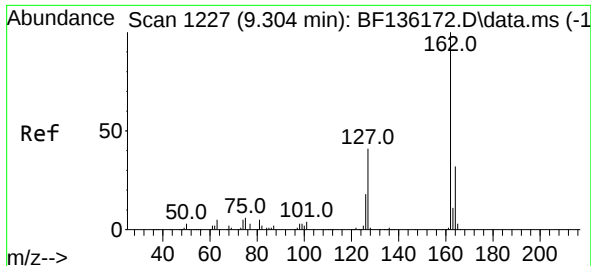
Ion Ratio Lower Upper

154 100

153 44.6 21.1 61.1

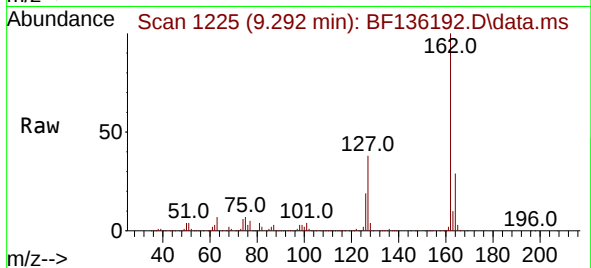
76 9.3 0.0 31.2





#47  
2-Chloronaphthalene  
Concen: 58.062 ng  
RT: 9.292 min Scan# 1225  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

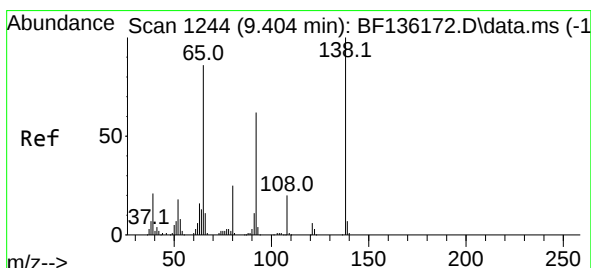
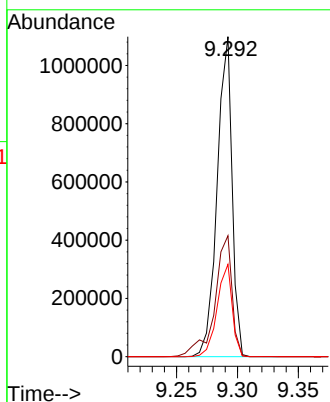
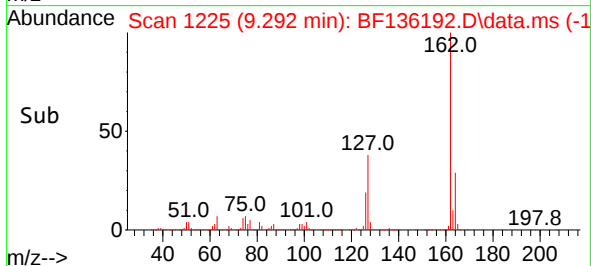
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:162 Resp: 939930  
Ion Ratio Lower Upper  
162 100  
127 37.8 34.2 51.4  
164 28.8 25.6 38.4

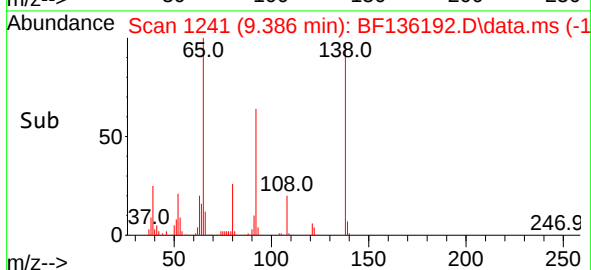
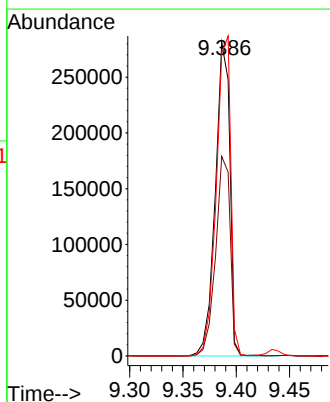
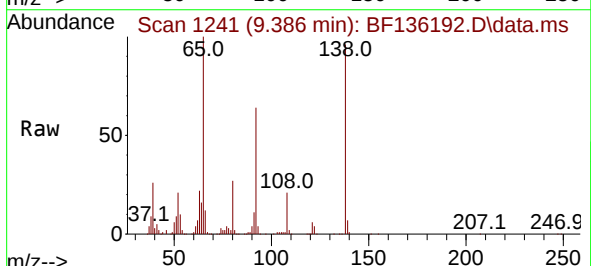
Manual Integrations  
APPROVED

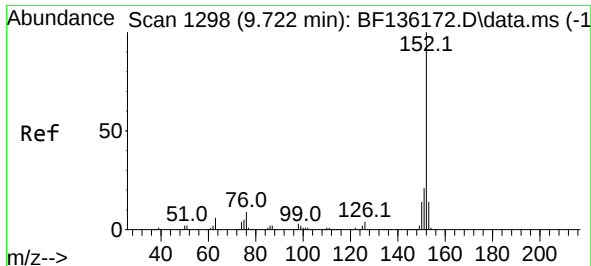
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#48  
2-Nitroaniline  
Concen: 53.918 ng  
RT: 9.386 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

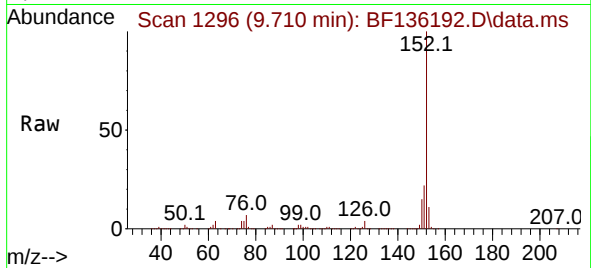
Tgt Ion: 65 Resp: 266124  
Ion Ratio Lower Upper  
65 100  
92 63.6 57.5 86.3  
138 96.5 93.4 140.2





#49  
Acenaphthylene  
Concen: 60.308 ng  
RT: 9.710 min Scan# 1298  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

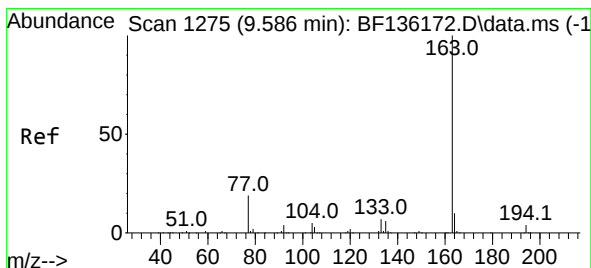
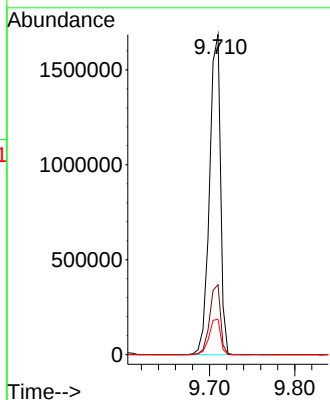
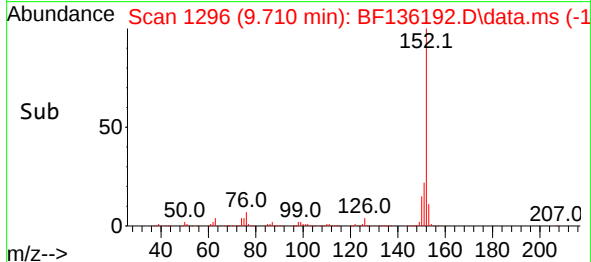
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:152 Resp: 1506992  
Ion Ratio Lower Upper  
152 100  
151 21.9 16.4 24.6  
153 11.1 11.1 16.7

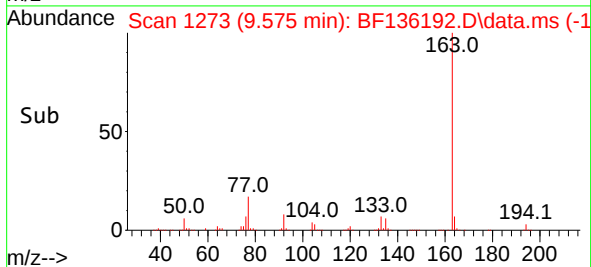
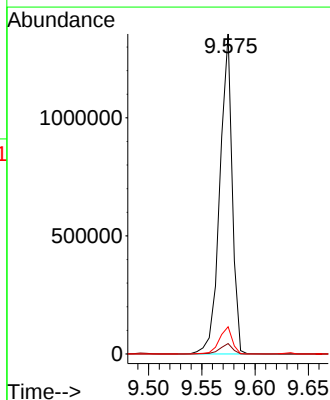
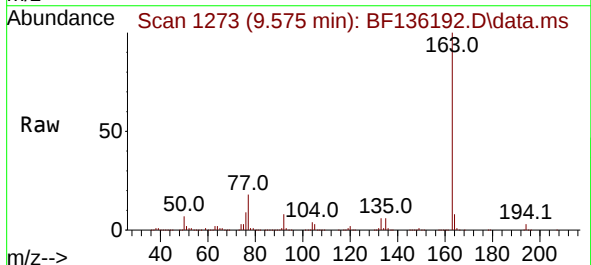
Manual Integrations  
APPROVED

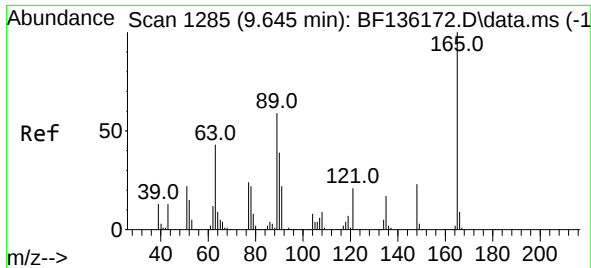
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#50  
Dimethylphthalate  
Concen: 57.059 ng  
RT: 9.575 min Scan# 1273  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:163 Resp: 1088129  
Ion Ratio Lower Upper  
163 100  
194 3.2 3.0 4.4  
164 8.5 7.8 11.8





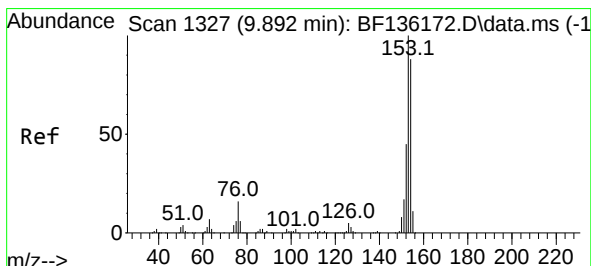
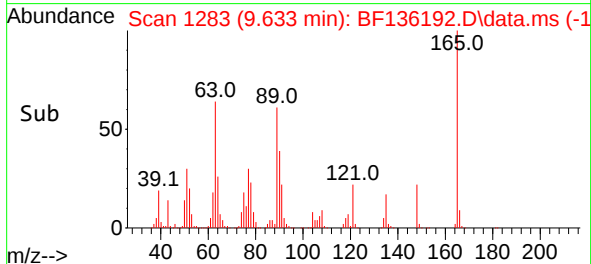
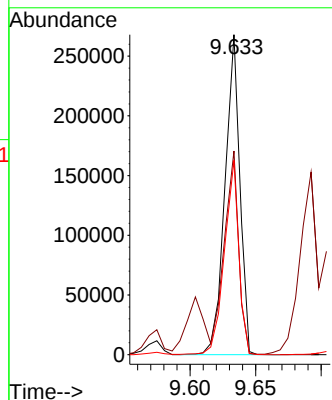
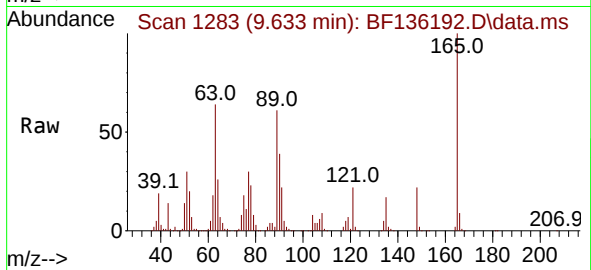
#51  
2,6-Dinitrotoluene  
Concen: 51.070 ng  
RT: 9.633 min Scan# 1283  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion:165 Resp: 21133  
Ion Ratio Lower Upper  
165 100  
63 63.7 48.0 72.0  
89 60.8 47.2 70.8

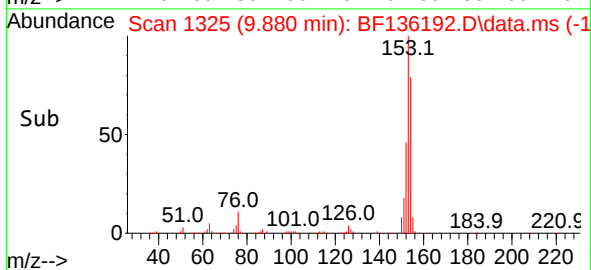
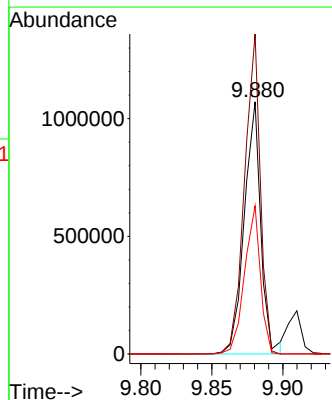
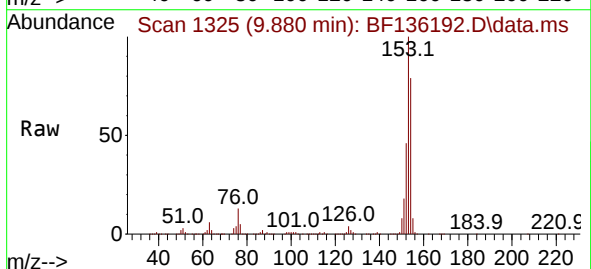
Manual Integrations  
APPROVED

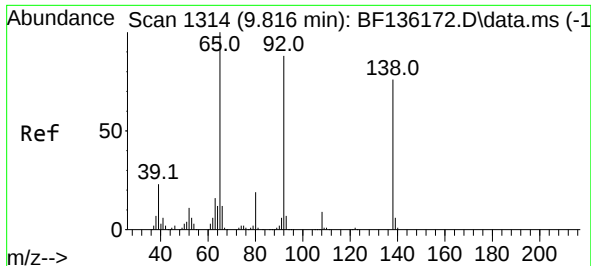
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#52  
Acenaphthene  
Concen: 52.303 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:154 Resp: 870507  
Ion Ratio Lower Upper  
154 100  
153 126.9 90.4 135.6  
152 58.8 41.1 61.7





#53  
3-Nitroaniline  
Concen: 37.085 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

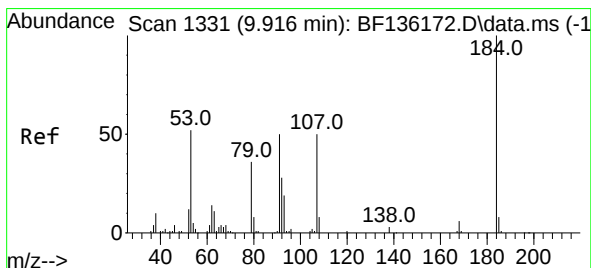
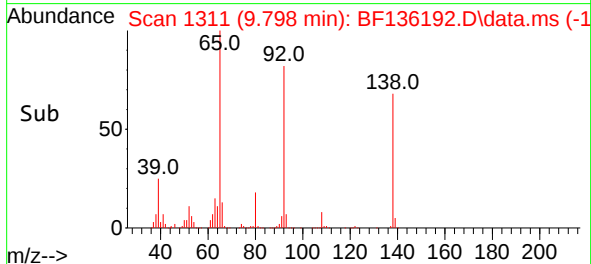
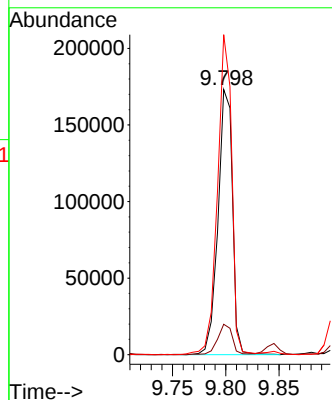
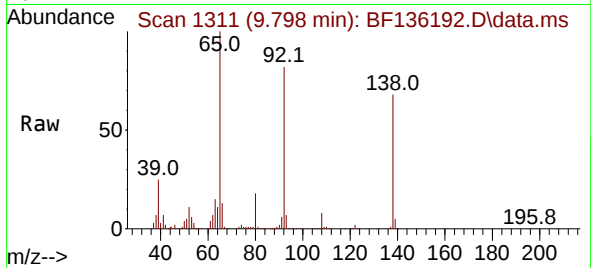
ClientSampleId :

TP-11MSD

Tgt Ion:138 Resp: 16362  
Ion Ratio Lower Upper  
138 100  
108 11.5 9.0 13.4  
92 120.7 92.2 138.2

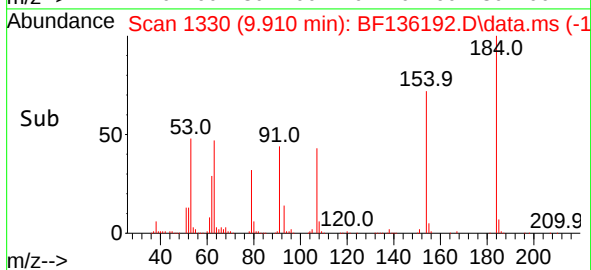
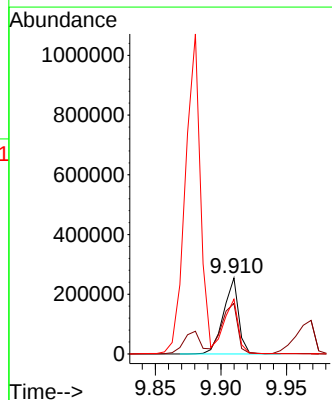
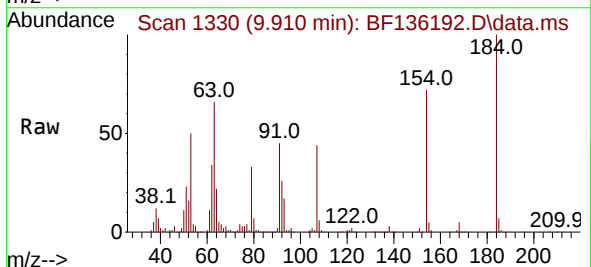
Manual Integrations  
APPROVED

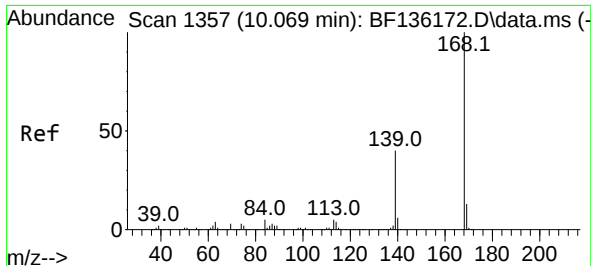
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#54  
2,4-Dinitrophenol  
Concen: 99.183 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

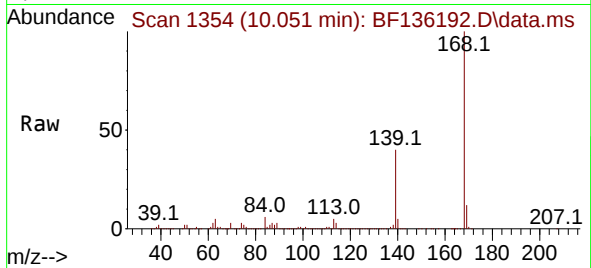
Tgt Ion:184 Resp: 203294  
Ion Ratio Lower Upper  
184 100  
63 66.5 59.1 88.7  
154 72.0 58.2 87.2





#55  
Dibenzenofuran  
Concen: 57.030 ng  
RT: 10.051 min Scan# 1357  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

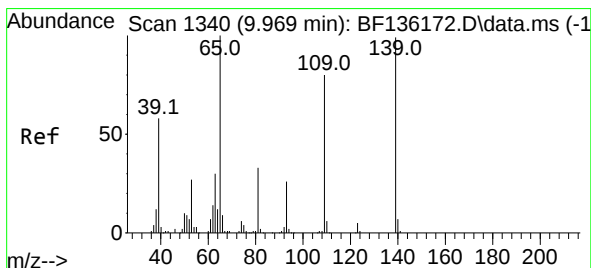
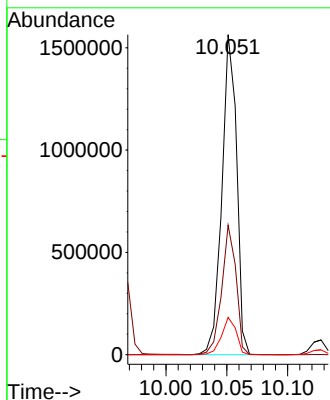
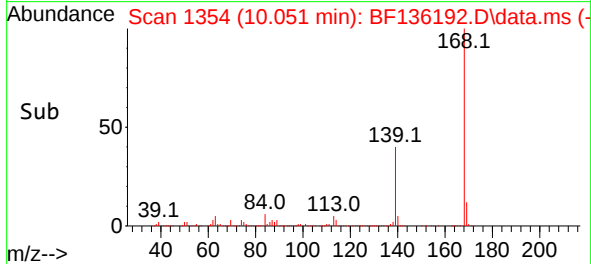
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:168 Resp: 131968  
Ion Ratio Lower Upper  
168 100  
139 40.5 31.9 47.9  
169 11.7 10.6 16.0

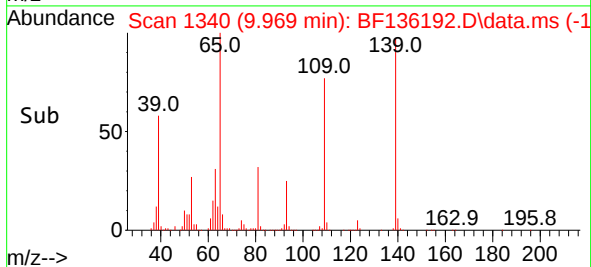
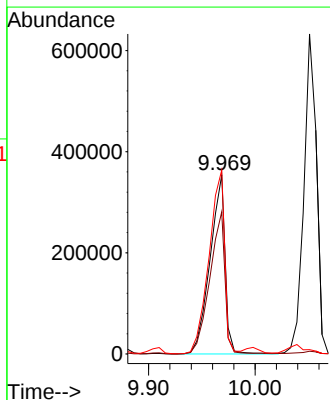
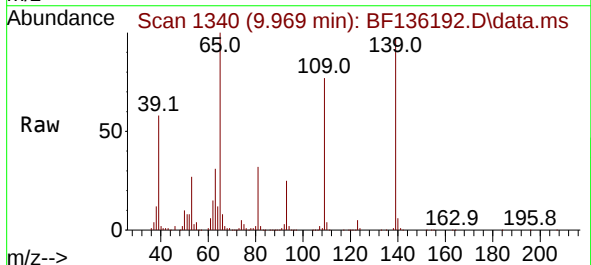
Manual Integrations  
APPROVED

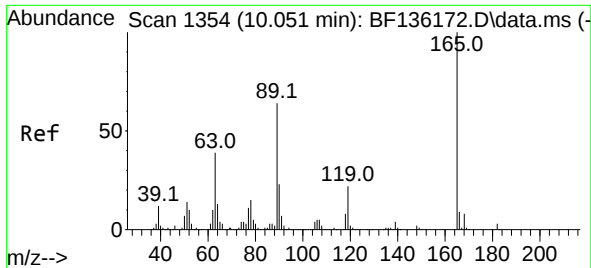
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#56  
4-Nitrophenol  
Concen: 118.789 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.012 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:139 Resp: 348279  
Ion Ratio Lower Upper  
139 100  
109 79.4 60.9 100.9  
65 102.7 81.6 121.6





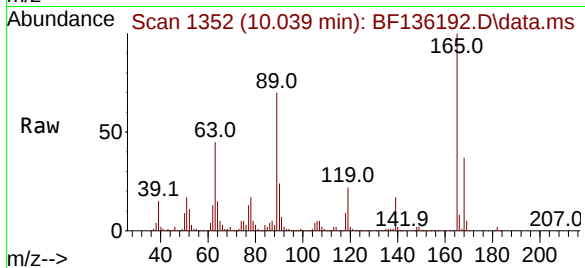
#57  
2,4-Dinitrotoluene  
Concen: 55.271 ng  
RT: 10.039 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

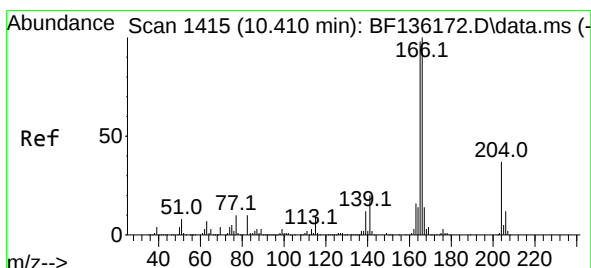
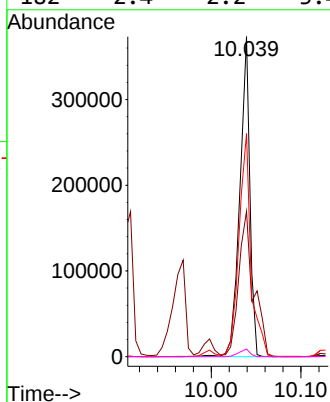
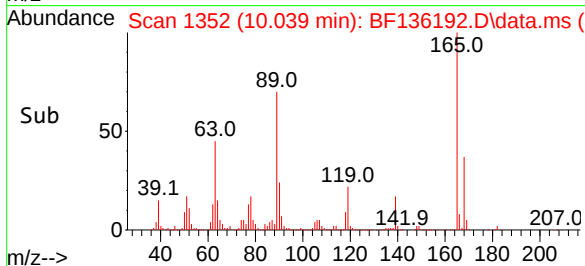


Tgt Ion:165 Resp: 290490  
Ion Ratio Lower Upper  
165 100  
63 45.4 31.4 47.0  
89 69.7 51.6 77.4  
182 2.4 2.2 3.4

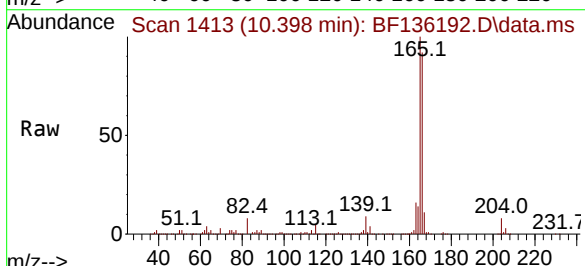
Manual Integrations

APPROVED

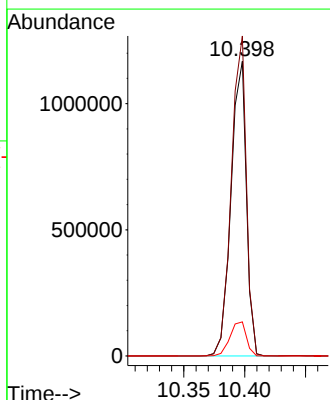
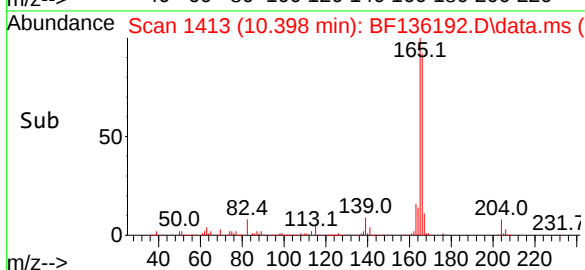
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

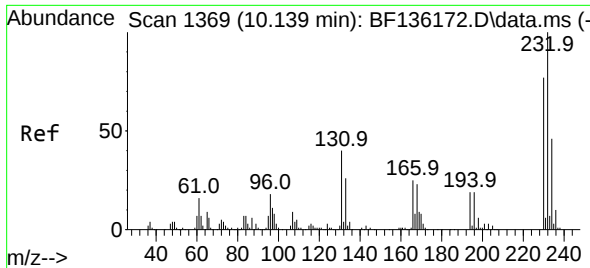


#58  
Fluorene  
Concen: 58.221 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



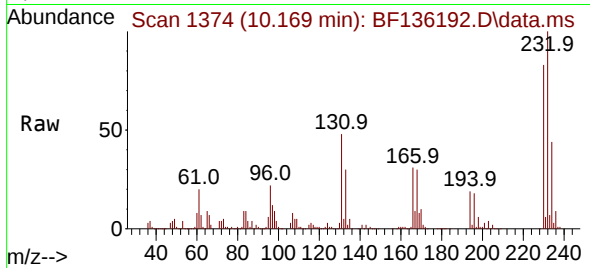
Tgt Ion:166 Resp: 1022521  
Ion Ratio Lower Upper  
166 100  
165 108.6 78.8 118.2  
167 11.6 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 56.240 ng  
RT: 10.169 min Scan# 1374  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

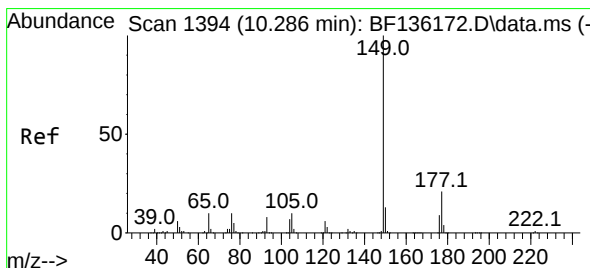
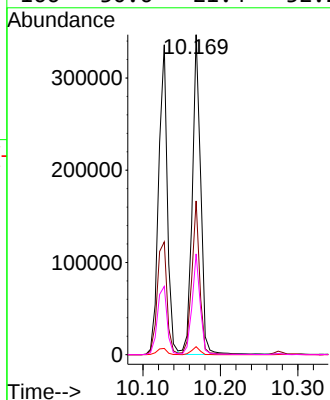
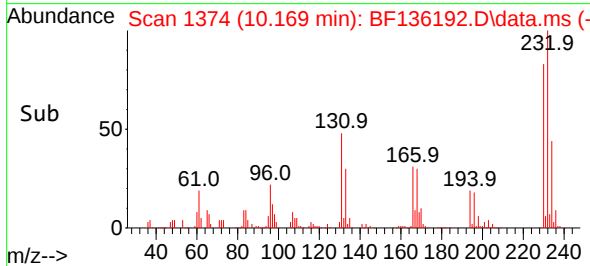
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



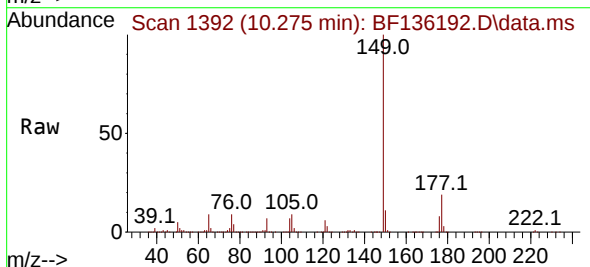
Tgt Ion:232 Resp: 260094  
Ion Ratio Lower Upper  
232 100  
131 45.3 34.6 52.0  
130 2.5 1.9 2.9  
166 30.6 21.4 32.2

Manual Integrations  
APPROVED

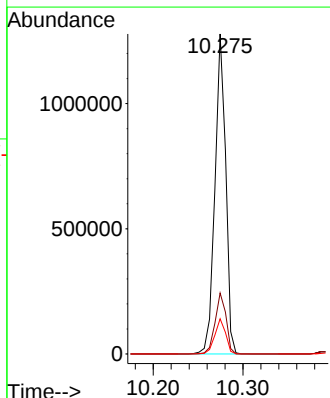
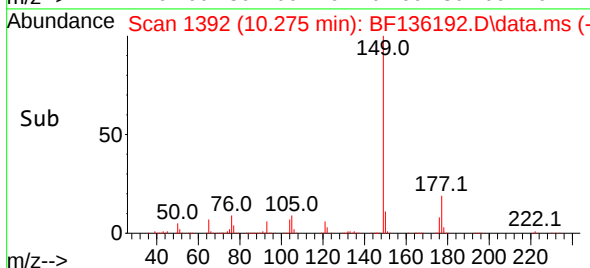
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

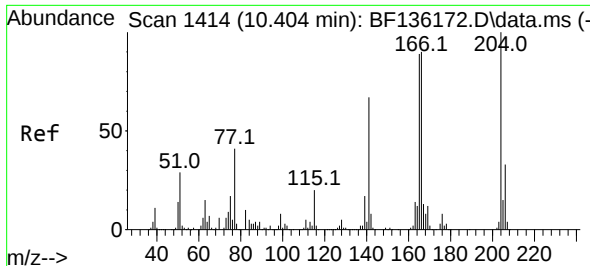


#60  
Diethylphthalate  
Concen: 55.598 ng  
RT: 10.275 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



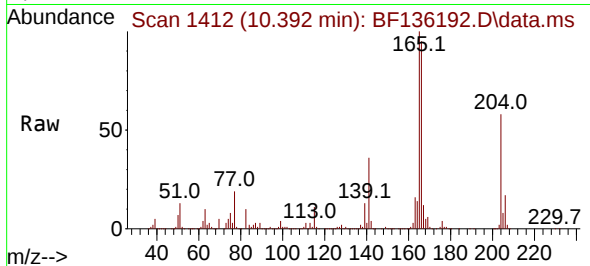
Tgt Ion:149 Resp: 1063673  
Ion Ratio Lower Upper  
149 100  
177 19.0 17.2 25.8  
150 11.0 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 53.622 ng  
RT: 10.392 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

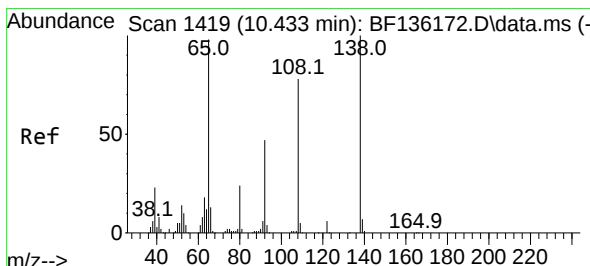
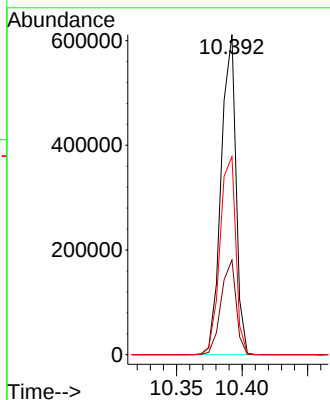
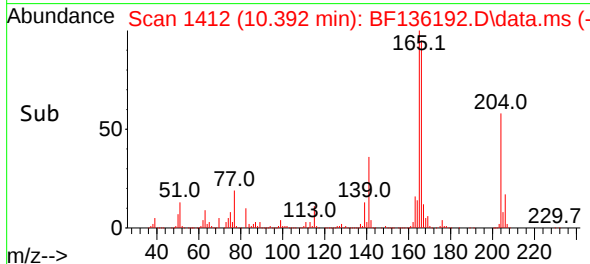
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



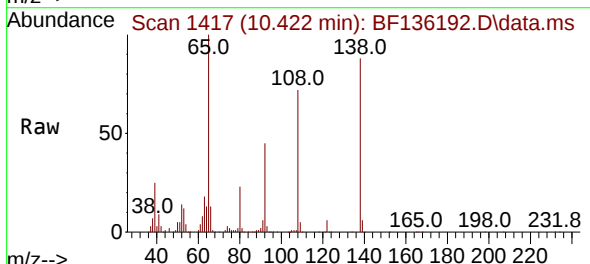
Tgt Ion:204 Resp: 478732  
Ion Ratio Lower Upper  
204 100  
206 29.6 26.1 39.1  
141 61.9 53.9 80.9

Manual Integrations  
APPROVED

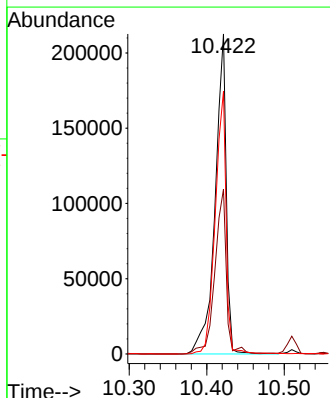
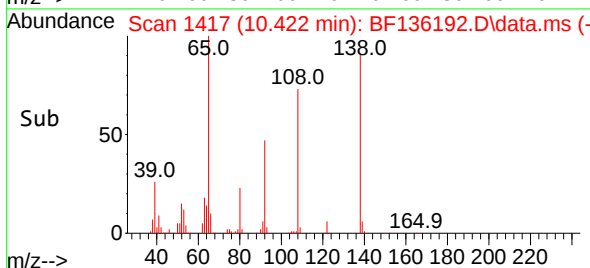
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

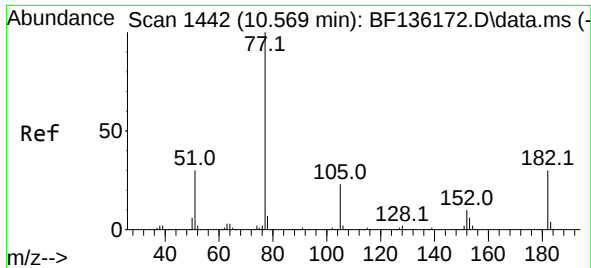


#62  
4-Nitroaniline  
Concen: 52.840 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



Tgt Ion:138 Resp: 212470  
Ion Ratio Lower Upper  
138 100  
92 51.5 26.6 66.6  
108 82.1 58.0 98.0





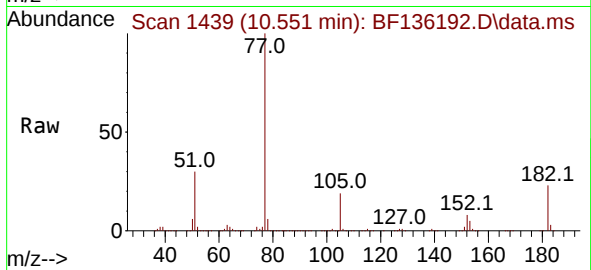
#63  
Azobenzene  
Concen: 60.025 ng  
RT: 10.551 min Scan# 1442  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

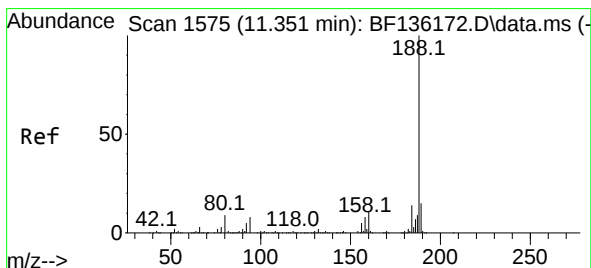
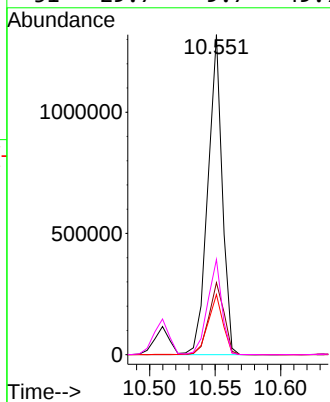
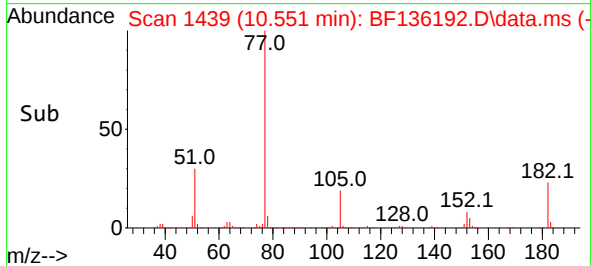


Tgt Ion: 77 Resp: 1004777  
Ion Ratio Lower Upper  
77 100  
182 22.5 10.3 50.3  
105 18.8 2.6 42.6  
51 29.7 9.7 49.7

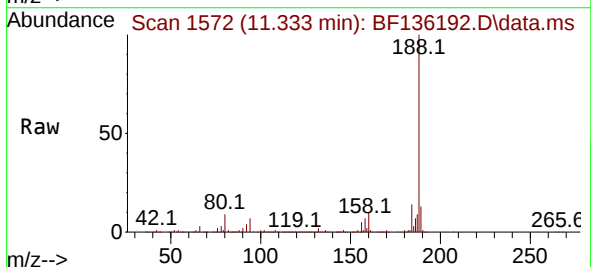
Manual Integrations

APPROVED

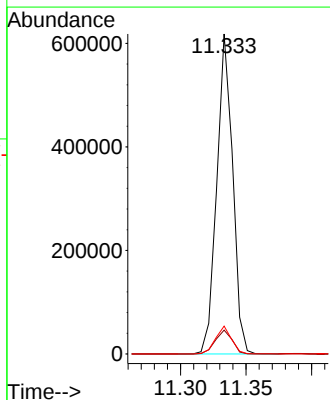
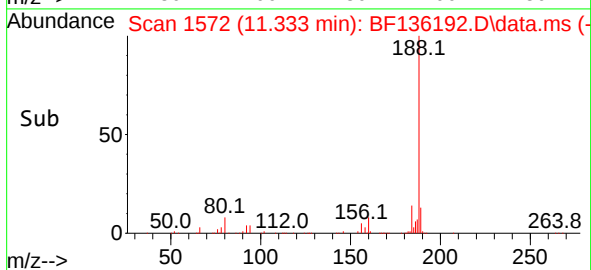
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

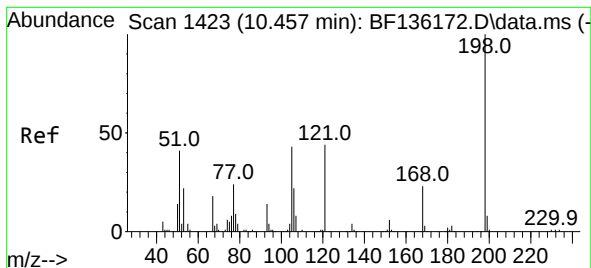


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



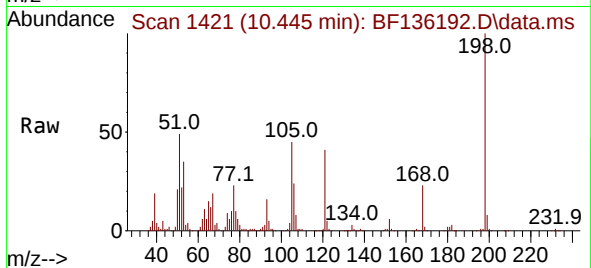
Tgt Ion:188 Resp: 519677  
Ion Ratio Lower Upper  
188 100  
94 7.5 6.6 9.8  
80 8.7 7.3 10.9





#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.763 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

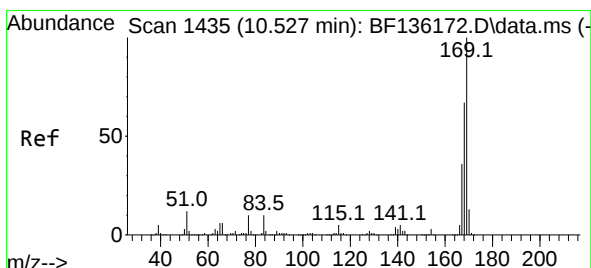
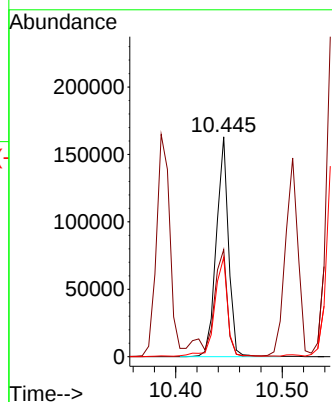
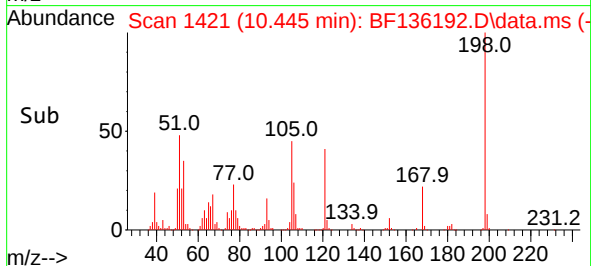
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



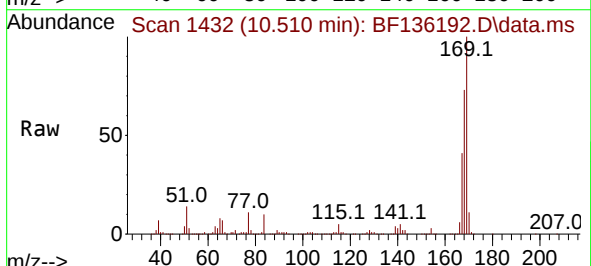
Tgt Ion:198 Resp: 129520  
Ion Ratio Lower Upper  
198 100  
51 48.7 27.3 67.3  
105 45.2 24.2 64.2

Manual Integrations  
APPROVED

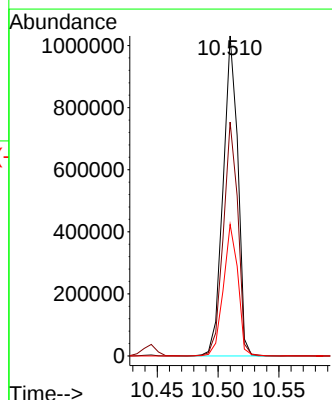
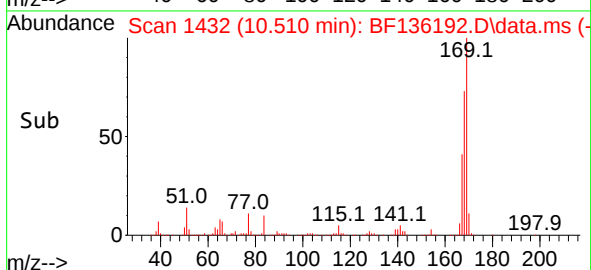
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

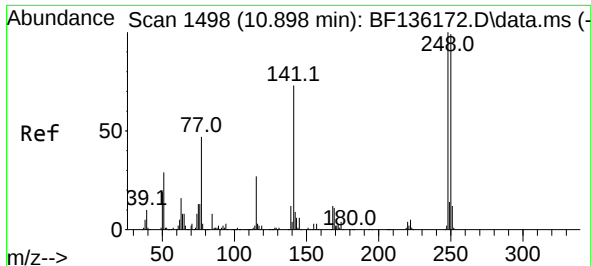


#66  
n-Nitrosodiphenylamine  
Concen: 52.749 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



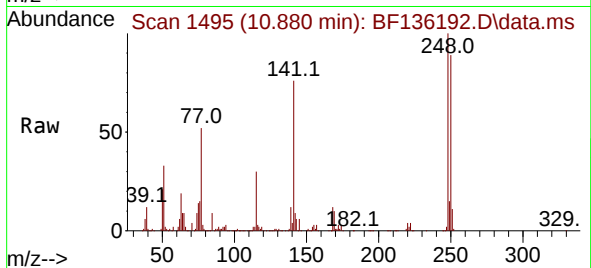
Tgt Ion:169 Resp: 869680  
Ion Ratio Lower Upper  
169 100  
168 73.1 53.9 80.9  
167 41.1 28.9 43.3





#67  
4-Bromophenyl-phenylether  
Concen: 52.190 ng  
RT: 10.880 min Scan# 1498  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

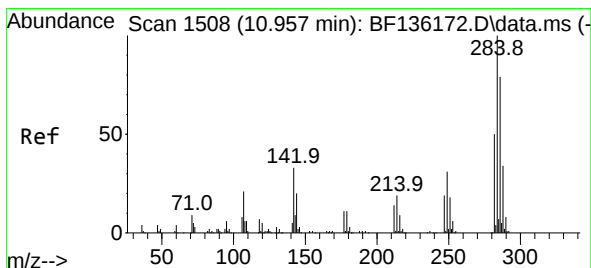
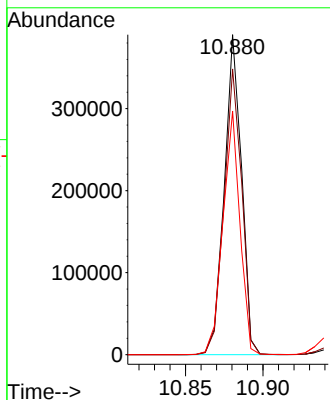
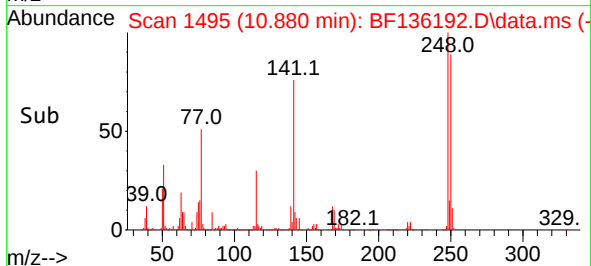
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



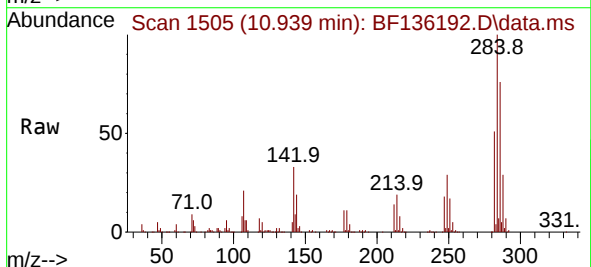
Tgt Ion:248 Resp: 302065  
Ion Ratio Lower Upper  
248 100  
250 89.3 79.0 118.4  
141 76.1 58.8 88.2

Manual Integrations  
APPROVED

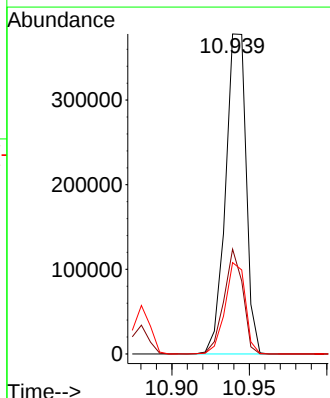
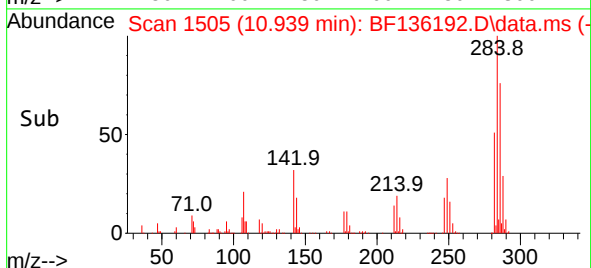
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

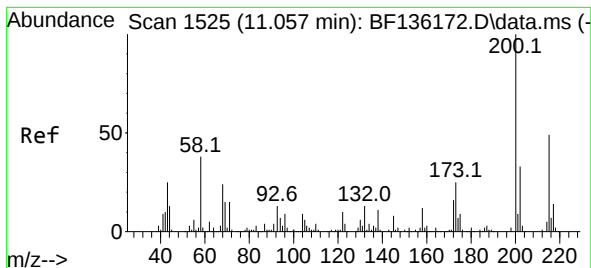


#68  
Hexachlorobenzene  
Concen: 56.738 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



Tgt Ion:284 Resp: 348640  
Ion Ratio Lower Upper  
284 100  
142 32.7 26.6 39.8  
249 28.5 24.6 37.0





#69

Atrazine

Concen: 67.012 ng

RT: 11.045 min Scan# 1523

Delta R.T. 0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

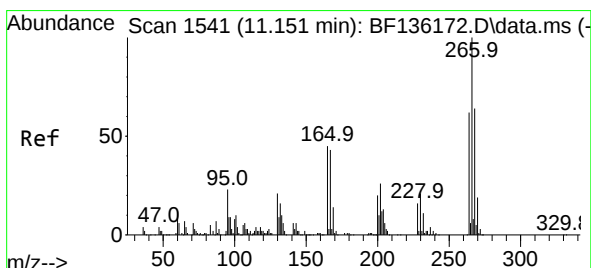
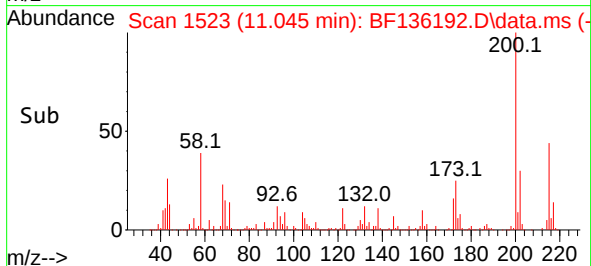
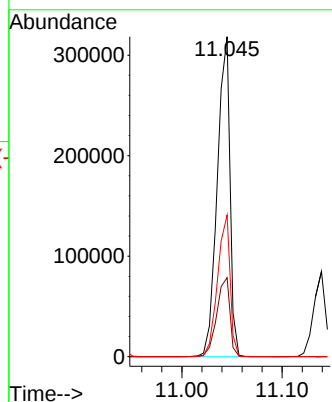
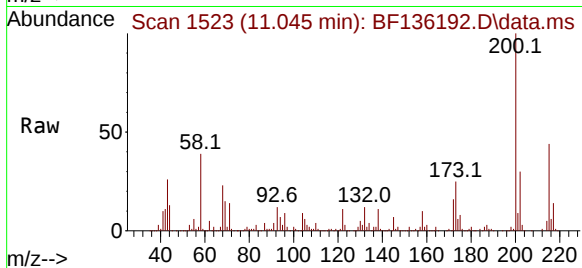
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 27989 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 24.7  | 4.9   | 44.9  |
| 215       | 44.2  | 28.9  | 68.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#70

Pentachlorophenol

Concen: 109.194 ng

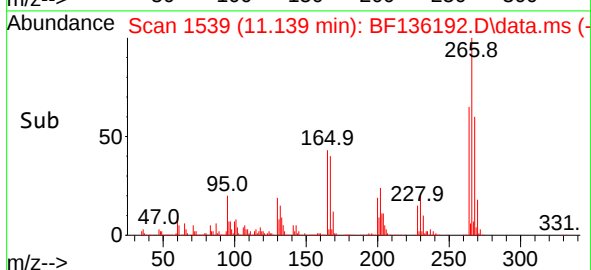
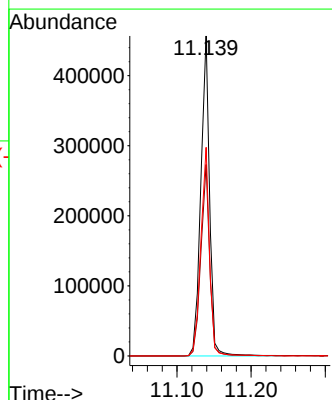
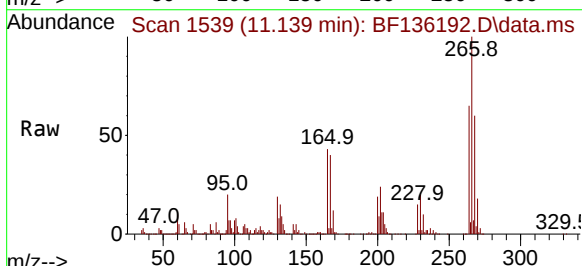
RT: 11.139 min Scan# 1539

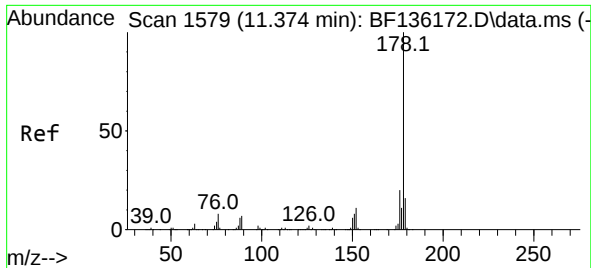
Delta R.T. -0.000 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 375268 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 59.9  | 50.8  | 76.2   |
| 264       | 65.2  | 50.0  | 75.0   |





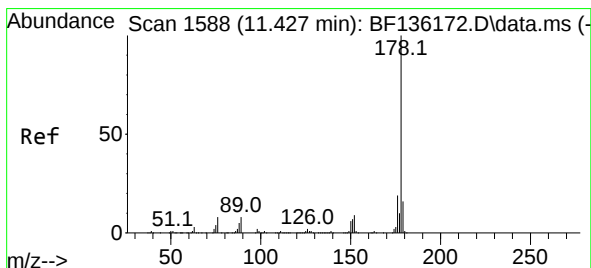
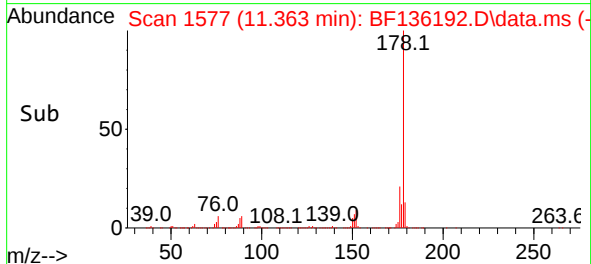
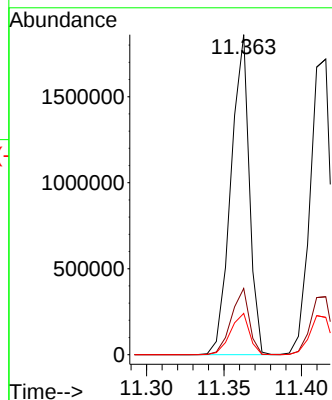
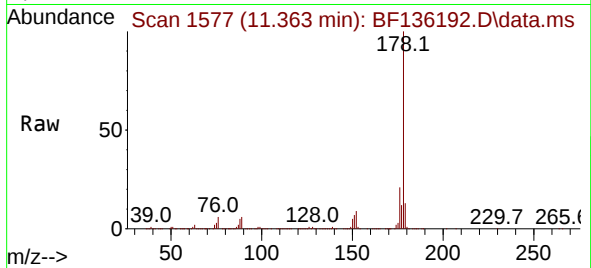
#71  
Phenanthrene  
Concen: 57.676 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD

Tgt Ion:178 Resp: 1534870  
Ion Ratio Lower Upper  
178 100  
176 20.7 15.8 23.8  
179 12.9 12.7 19.1

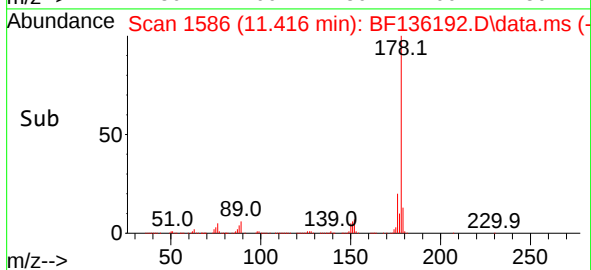
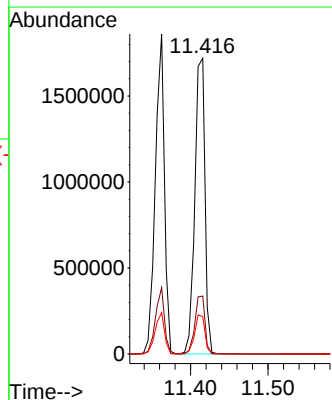
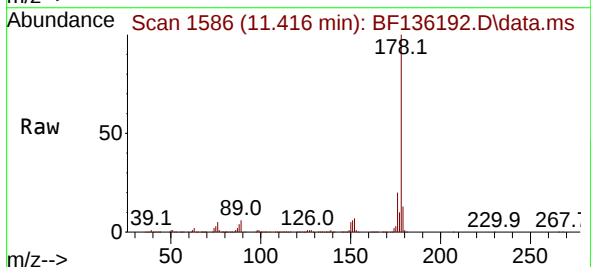
Manual Integrations  
APPROVED

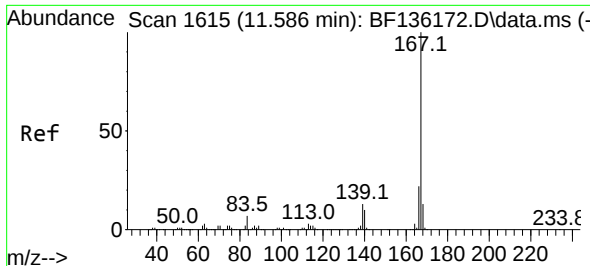
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#72  
Anthracene  
Concen: 57.679 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

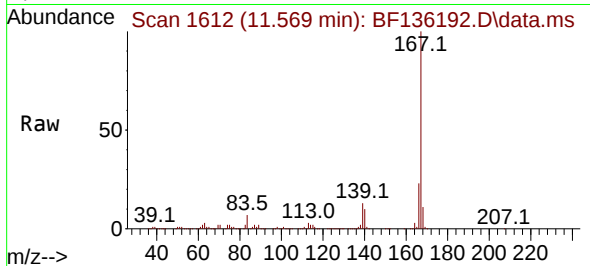
Tgt Ion:178 Resp: 1566807  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.0 22.4  
179 12.6 12.6 18.8





#73  
 Carbazole  
 Concen: 57.743 ng  
 RT: 11.569 min Scan# 1612  
 Delta R.T. -0.000 min  
 Lab File: BF136192.D  
 Acq: 24 Nov 2023 21:53

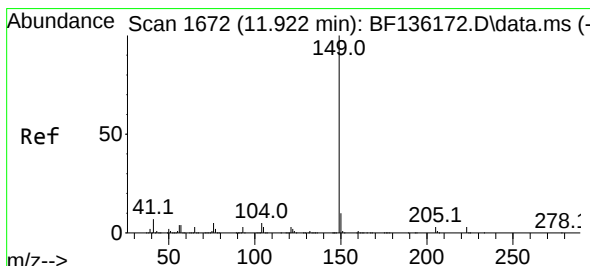
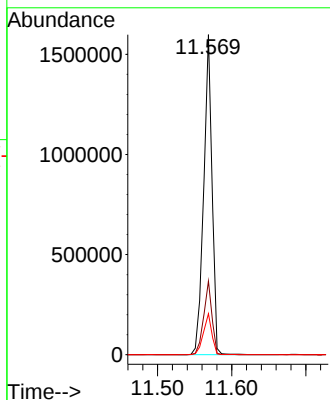
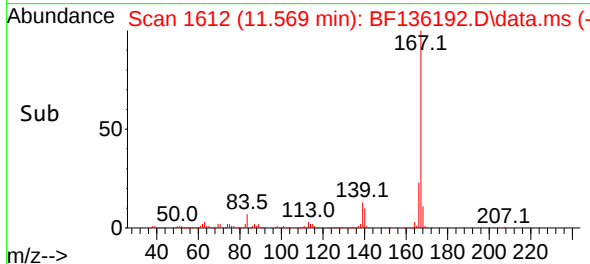
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-11MSD



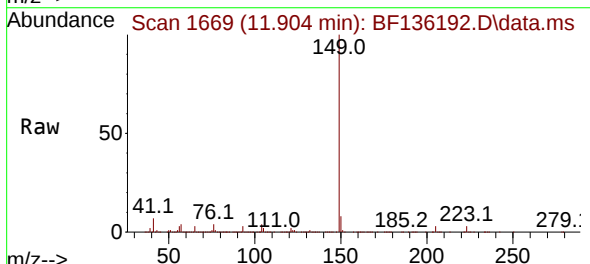
Tgt Ion:167 Resp: 1256889  
 Ion Ratio Lower Upper  
 167 100  
 166 23.0 17.3 25.9  
 139 12.8 10.7 16.1

Manual Integrations  
 APPROVED

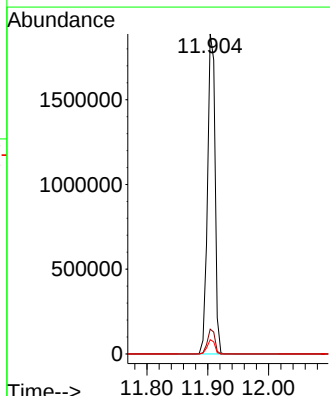
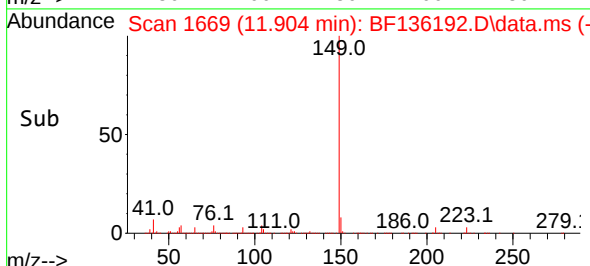
Reviewed By :Yogesh Patel 11/25/2023  
 Supervised By :mohammad ahmed 11/27/2023

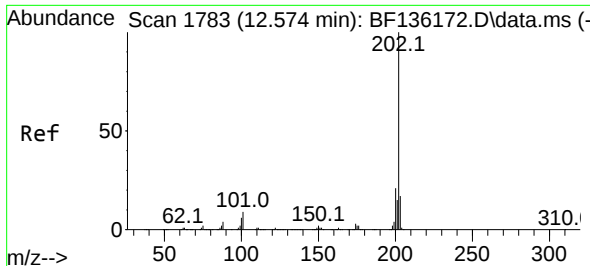


#74  
 Di-n-butylphthalate  
 Concen: 62.784 ng  
 RT: 11.904 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF136192.D  
 Acq: 24 Nov 2023 21:53



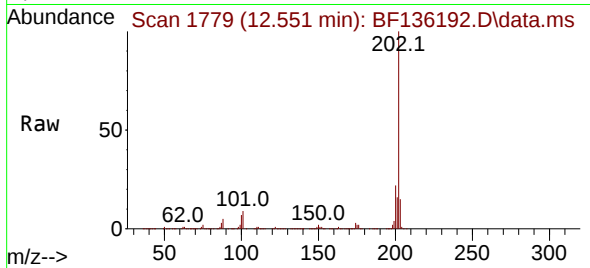
Tgt Ion:149 Resp: 1616704  
 Ion Ratio Lower Upper  
 149 100  
 150 7.8 7.7 11.5  
 104 4.5 4.2 6.2





#75  
Fluoranthene  
Concen: 56.899 ng  
RT: 12.551 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

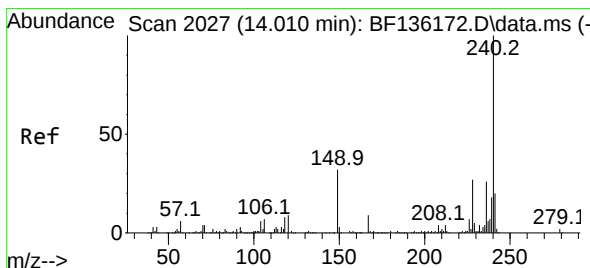
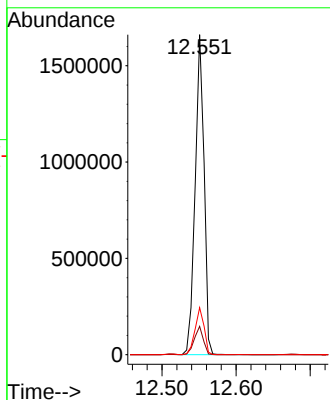
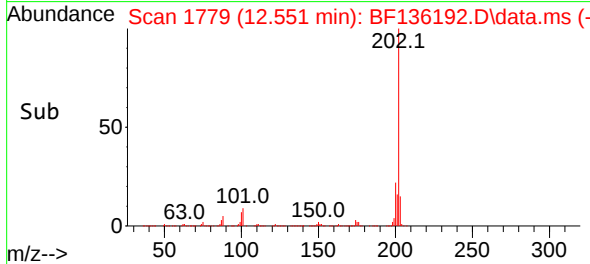
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



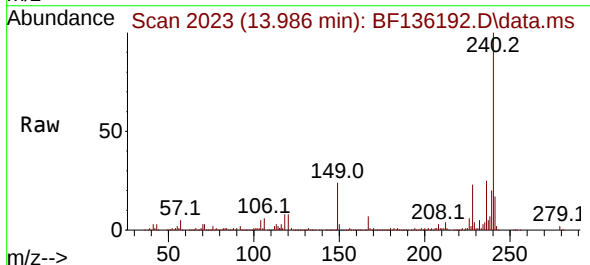
Tgt Ion:202 Resp: 1382784  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.6  
203 14.7 0.0 37.2

Manual Integrations  
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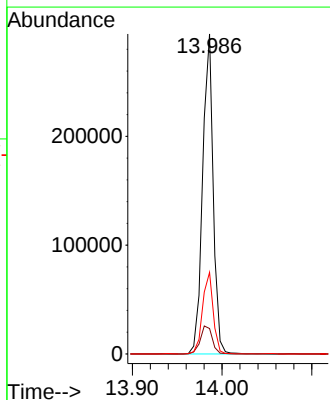
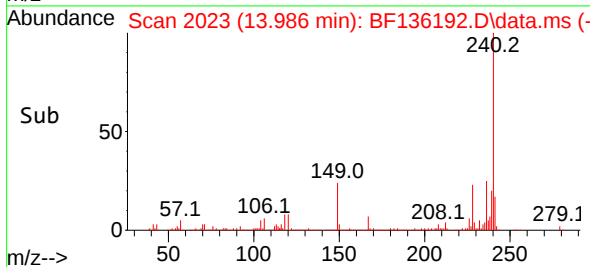
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

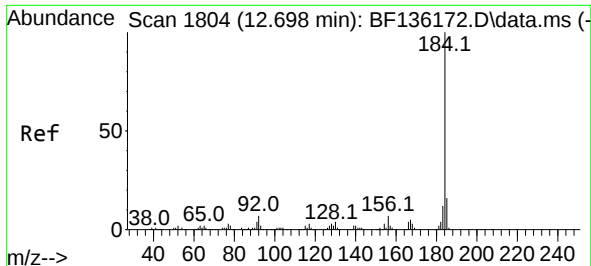


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



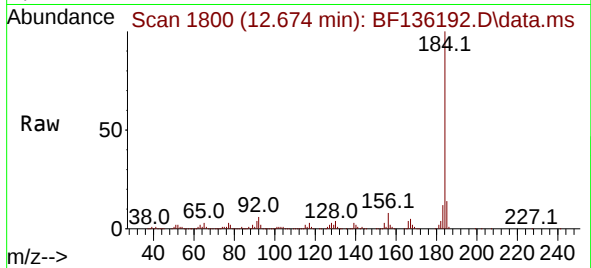
Tgt Ion:240 Resp: 240068  
Ion Ratio Lower Upper  
240 100  
120 8.0 7.1 10.7  
236 25.5 20.9 31.3





#77  
Benzidine  
Concen: 108.006 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

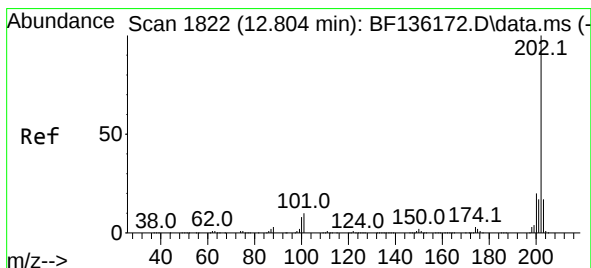
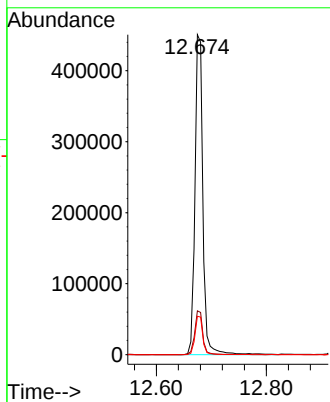
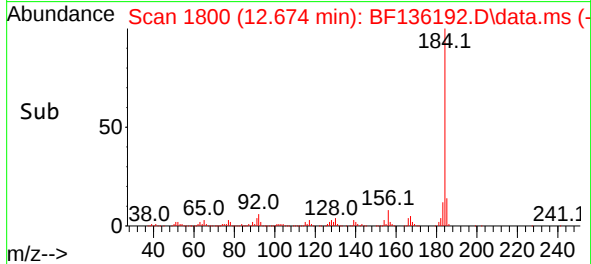
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



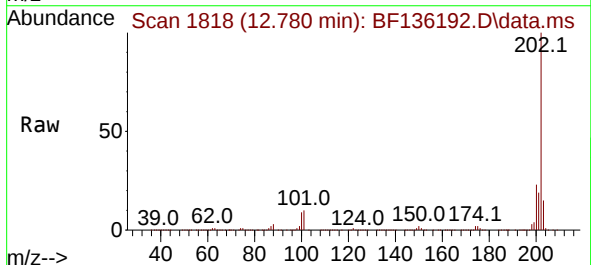
Tgt Ion:184 Resp: 44897  
Ion Ratio Lower Upper  
184 100  
185 13.7 12.6 18.8  
183 12.0 9.2 13.8

Manual Integrations  
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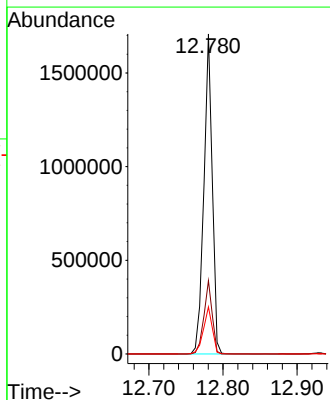
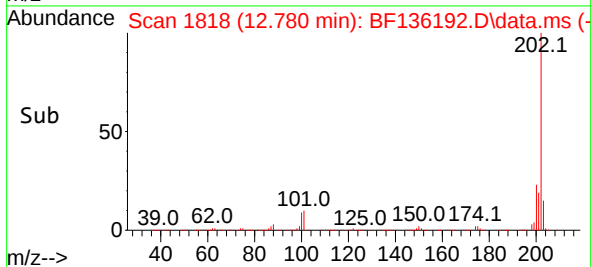
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

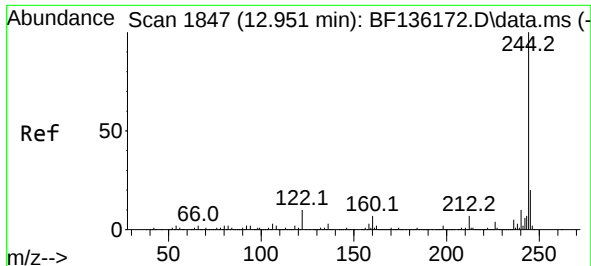


#78  
Pyrene  
Concen: 60.249 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



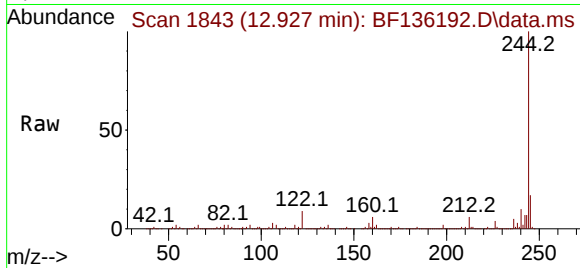
Tgt Ion:202 Resp: 1352546  
Ion Ratio Lower Upper  
202 100  
200 22.9 16.2 24.2  
203 14.7 13.6 20.4





#79  
Terphenyl-d14  
Concen: 93.034 ng  
RT: 12.927 min Scan# 1843  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

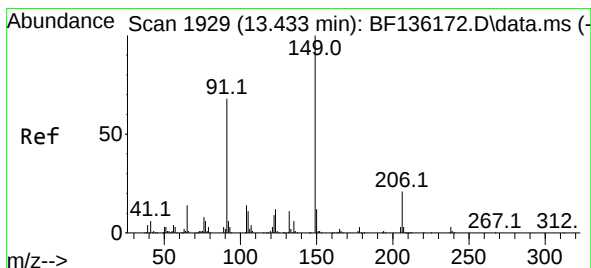
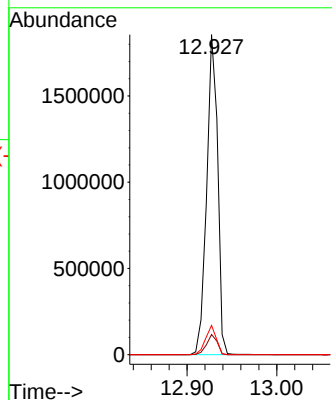
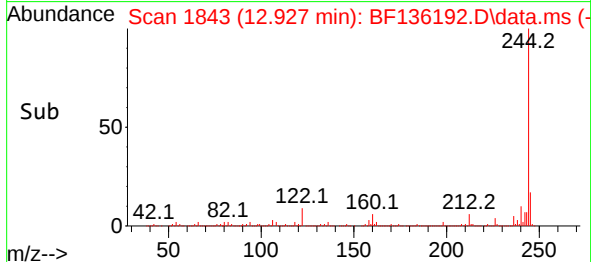
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:244 Resp: 1573420  
Ion Ratio Lower Upper  
244 100  
212 6.3 5.4 8.0  
122 9.2 8.1 12.1

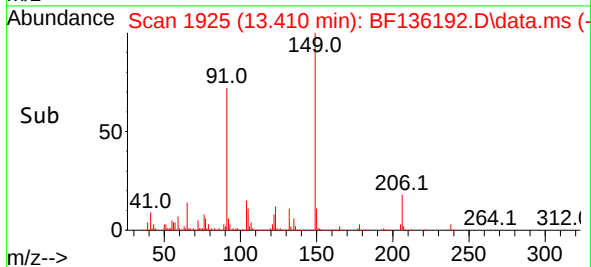
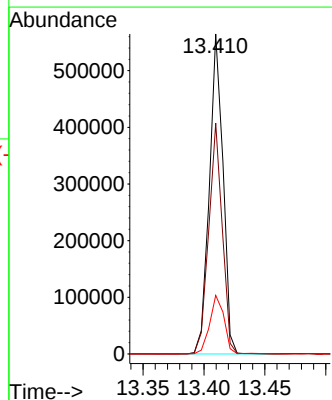
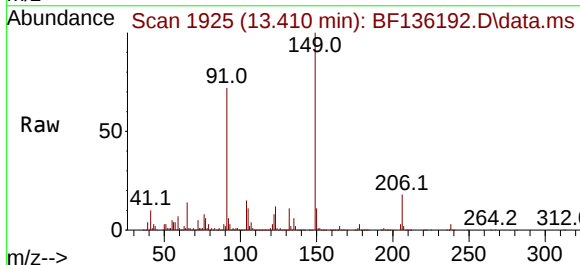
Manual Integrations  
APPROVED

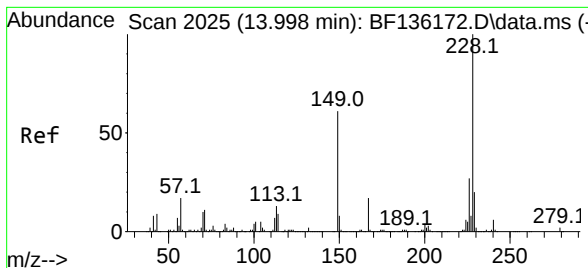
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#80  
Butylbenzylphthalate  
Concen: 61.352 ng  
RT: 13.410 min Scan# 1925  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:149 Resp: 438874  
Ion Ratio Lower Upper  
149 100  
91 72.2 54.2 81.2  
206 18.3 16.6 25.0





#81

Benzo(a)anthracene

Concen: 58.410 ng

RT: 13.974 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

Tgt Ion:228 Resp: 930090

Ion Ratio Lower Upper

228 100

226 28.3 21.3 31.9

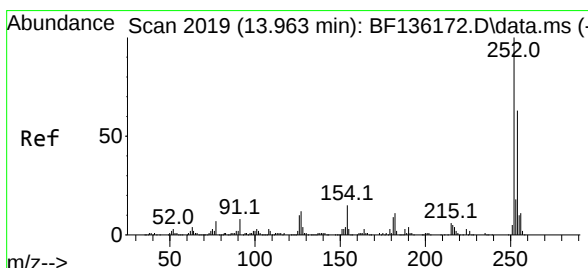
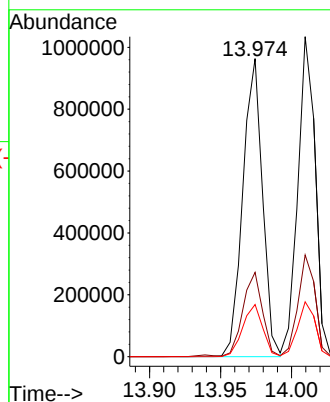
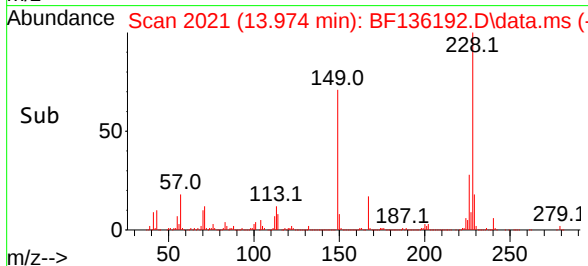
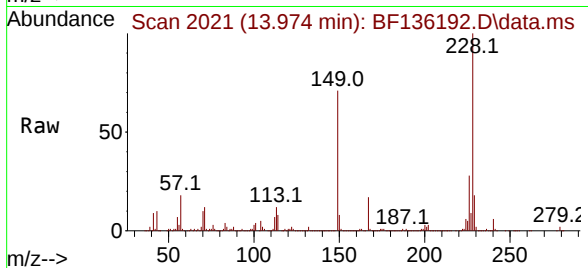
229 17.5 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#82

3,3'-Dichlorobenzidine

Concen: 51.637 ng

RT: 13.939 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

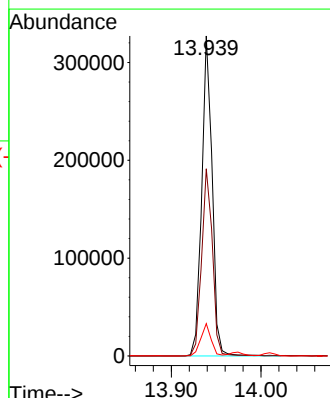
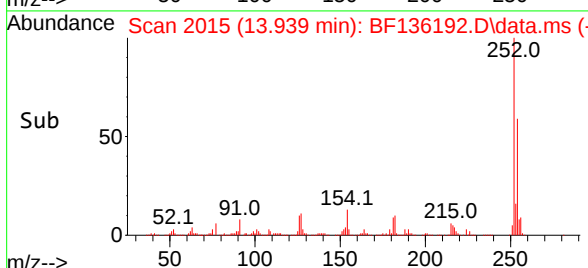
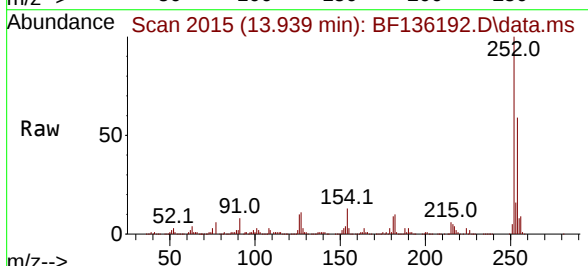
Tgt Ion:252 Resp: 263961

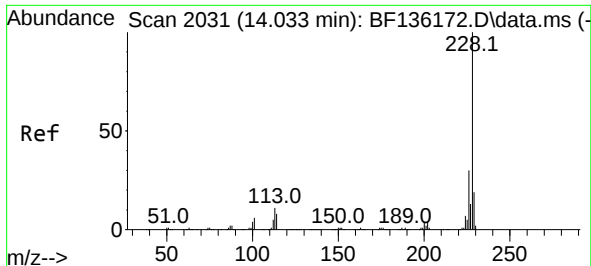
Ion Ratio Lower Upper

252 100

254 58.5 50.7 76.1

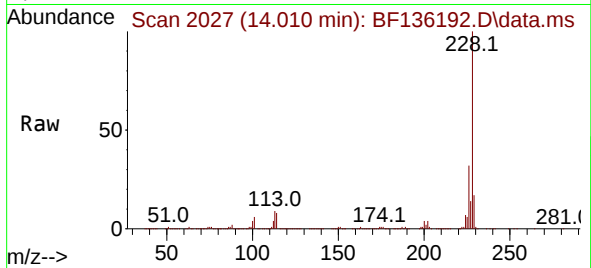
126 10.1 8.2 12.2





#83  
Chrysene  
Concen: 56.741 ng  
RT: 14.010 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

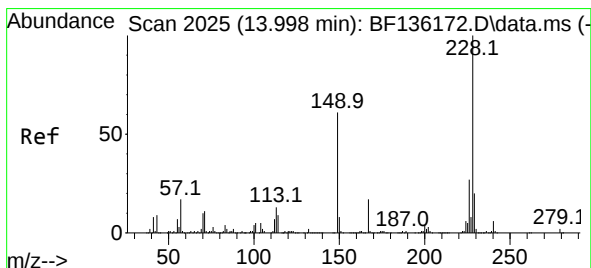
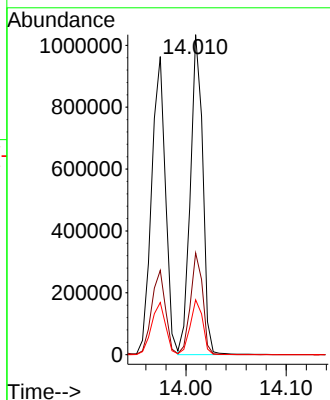
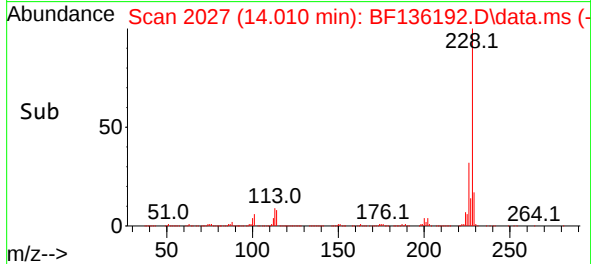
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:228 Resp: 883933  
Ion Ratio Lower Upper  
228 100  
226 31.8 23.8 35.6  
229 17.1 15.7 23.5

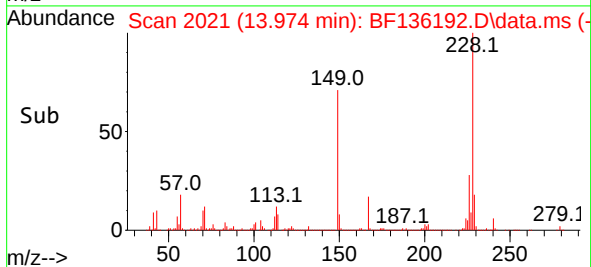
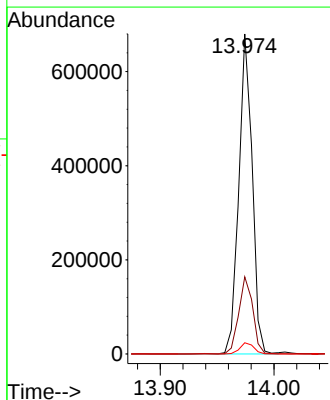
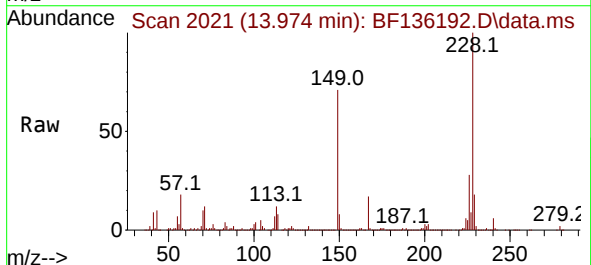
Manual Integrations  
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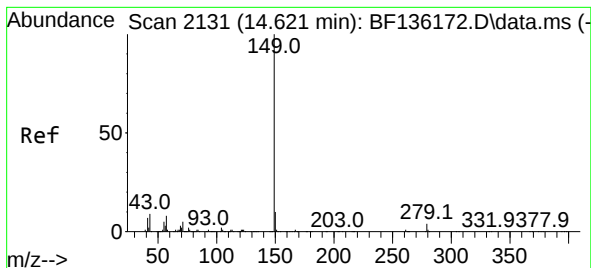
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 64.447 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

Tgt Ion:149 Resp: 556445  
Ion Ratio Lower Upper  
149 100  
167 24.1 21.8 32.8  
279 3.5 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 64.534 ng

RT: 14.592 min Scan# 2126

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

Instrument :

BNA\_F

ClientSampleId :

TP-11MSD

Tgt Ion:149 Resp: 93290

Ion Ratio Lower Upper

149 100

167 1.4 1.1 1.7

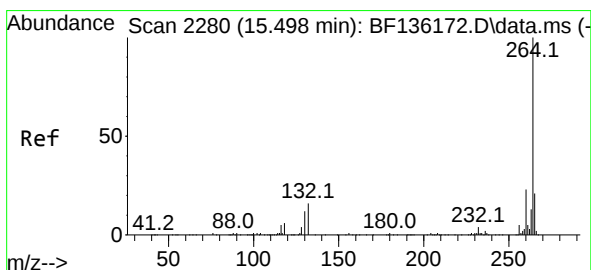
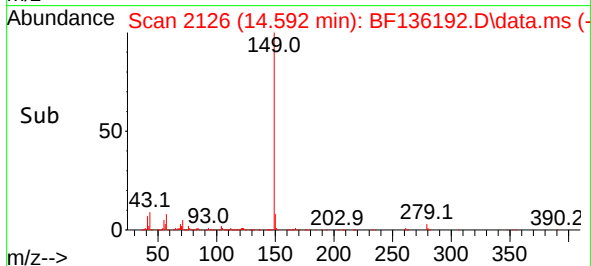
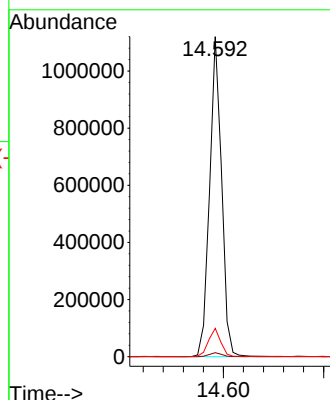
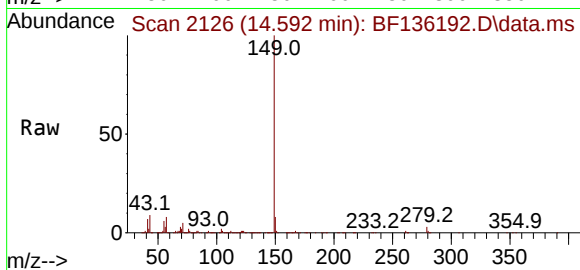
43 9.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/25/2023

Supervised By :mohammad ahmed 11/27/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF136192.D

Acq: 24 Nov 2023 21:53

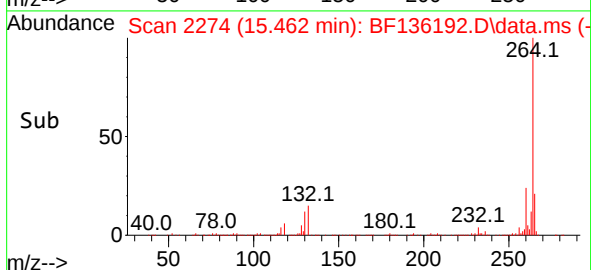
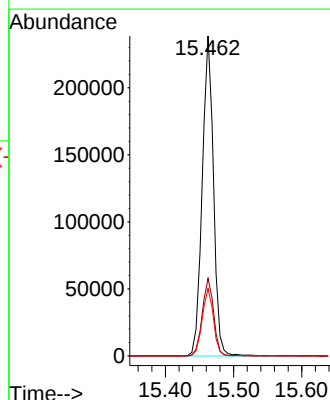
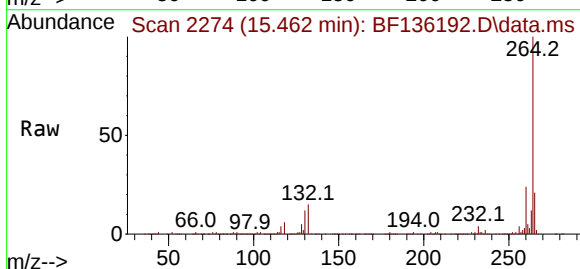
Tgt Ion:264 Resp: 273958

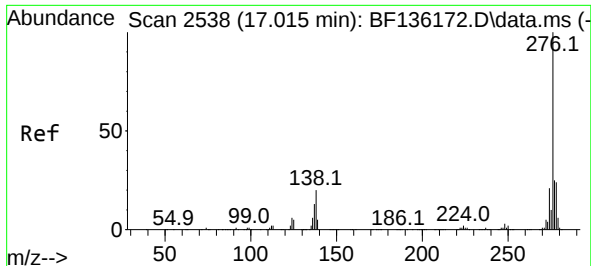
Ion Ratio Lower Upper

264 100

260 24.2 18.5 27.7

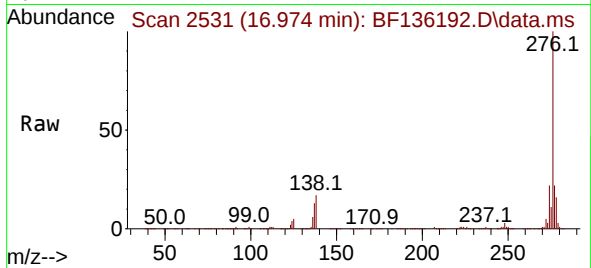
265 21.1 16.9 25.3





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 56.656 ng  
RT: 16.974 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

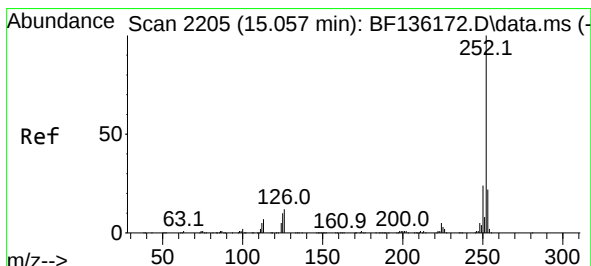
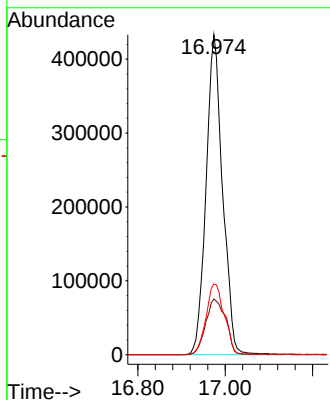
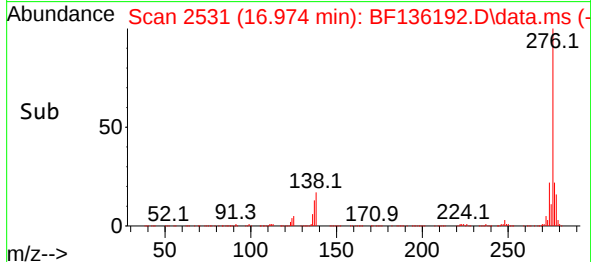
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



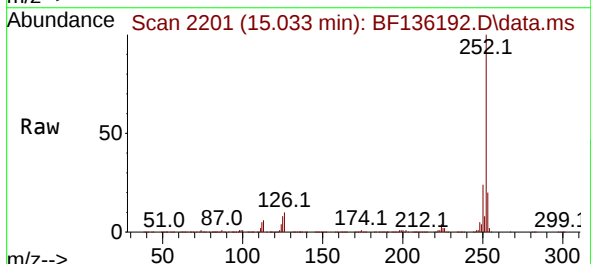
Tgt Ion:276 Resp: 113724  
Ion Ratio Lower Upper  
276 100  
138 21.1 17.7 26.5  
277 24.4 20.6 31.0

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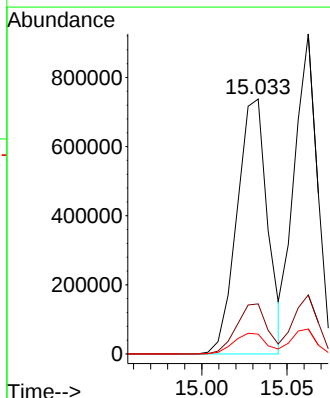
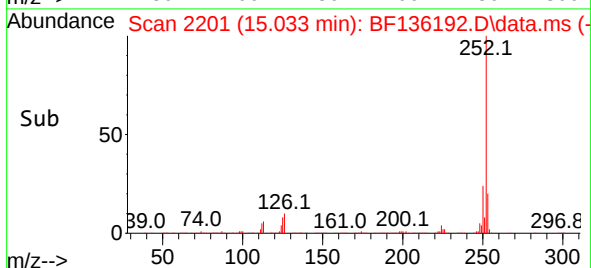
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023

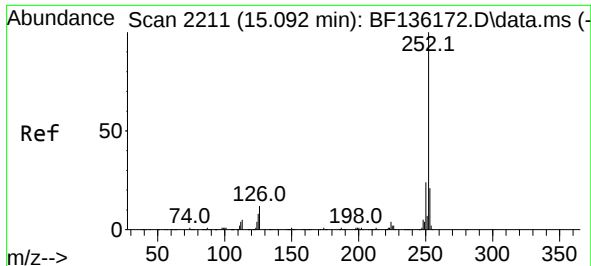


#88  
Benzo(b)fluoranthene  
Concen: 60.975 ng  
RT: 15.033 min Scan# 2201  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



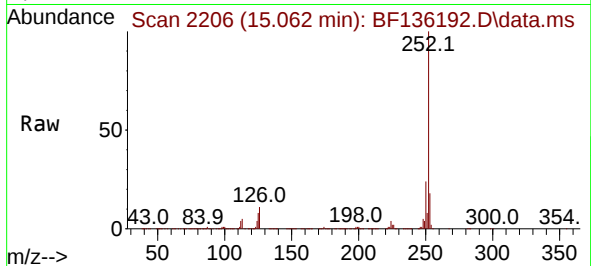
Tgt Ion:252 Resp: 922267  
Ion Ratio Lower Upper  
252 100  
253 19.7 17.6 26.4  
125 7.8 7.8 11.8#





#89  
Benzo(k)fluoranthene  
Concen: 57.941 ng  
RT: 15.062 min Scan# 2211  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

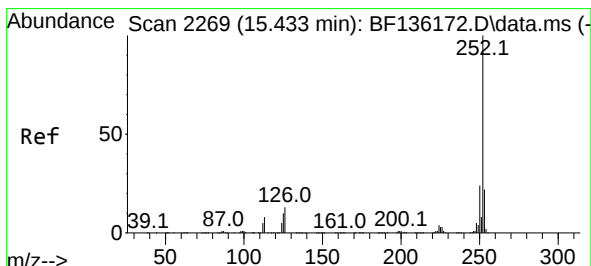
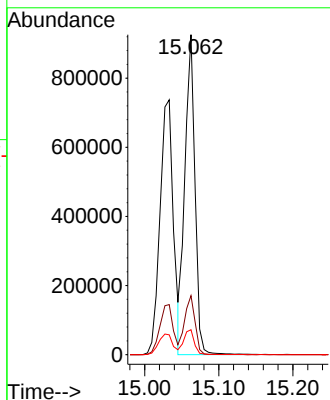
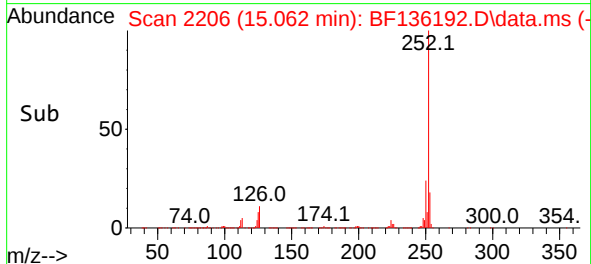
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



Tgt Ion:252 Resp: 882518  
Ion Ratio Lower Upper  
252 100  
253 18.5 17.3 25.9  
125 7.8 6.7 10.1

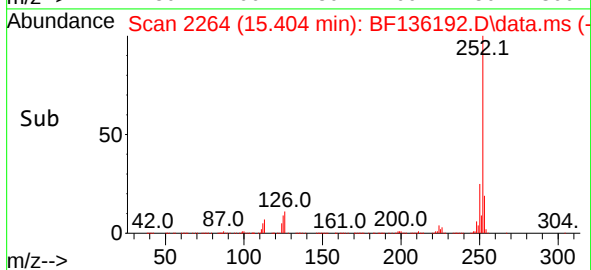
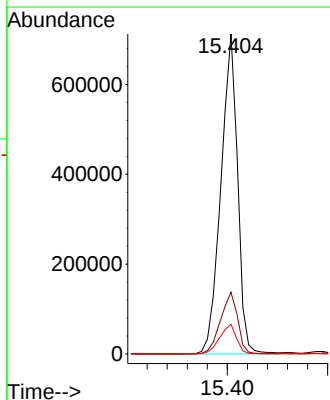
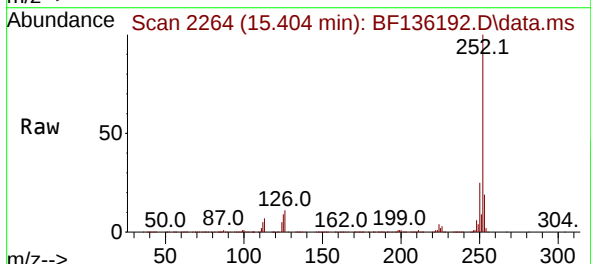
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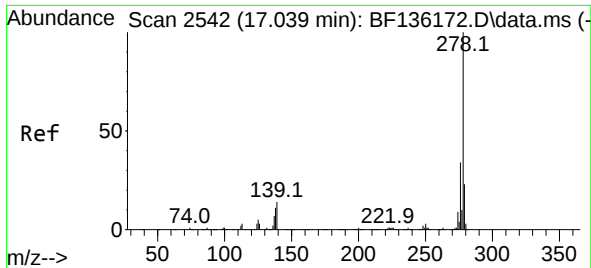
Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#90  
Benzo(a)pyrene  
Concen: 55.158 ng  
RT: 15.404 min Scan# 2264  
Delta R.T. -0.006 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

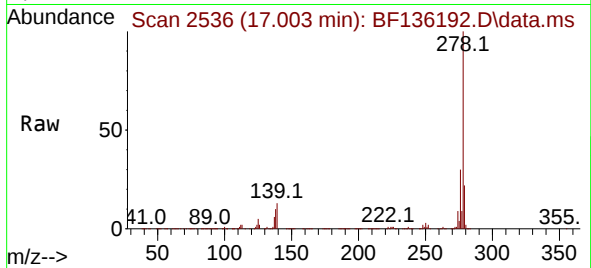
Tgt Ion:252 Resp: 822879  
Ion Ratio Lower Upper  
252 100  
253 19.3 17.3 25.9  
125 9.3 7.7 11.5





#91  
Dibenzo(a,h)anthracene  
Concen: 54.808 ng  
RT: 17.003 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53

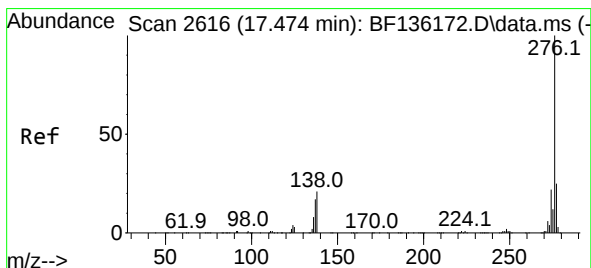
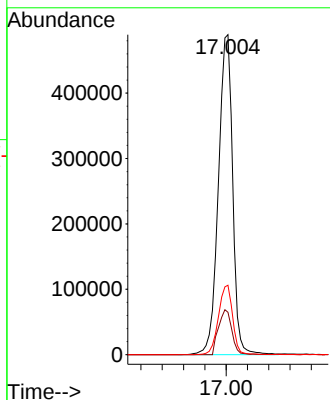
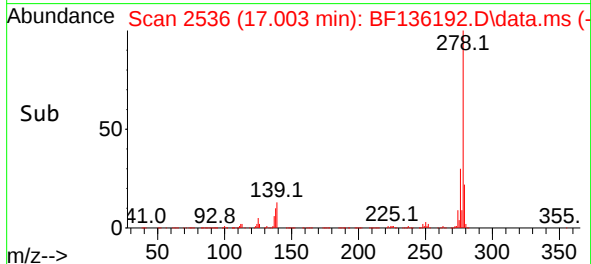
Instrument :  
BNA\_F  
ClientSampleId :  
TP-11MSD



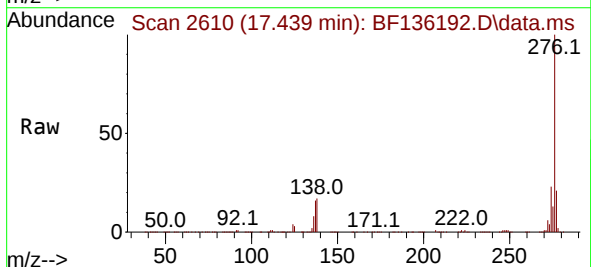
Tgt Ion:278 Resp: 911752  
Ion Ratio Lower Upper  
278 100  
139 13.3 11.2 16.8  
279 21.7 18.6 27.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/25/2023  
Supervised By :mohammad ahmed 11/27/2023



#92  
Benzo(g,h,i)perylene  
Concen: 52.144 ng  
RT: 17.439 min Scan# 2610  
Delta R.T. -0.000 min  
Lab File: BF136192.D  
Acq: 24 Nov 2023 21:53



Tgt Ion:276 Resp: 879463  
Ion Ratio Lower Upper  
276 100  
277 21.3 19.8 29.6  
138 17.3 16.4 24.6

