

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122823\  
 Data File : BF136809.D  
 Acq On : 28 Dec 2023 23:24  
 Operator : CG\JU  
 Sample : 05671-05MS  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-35MS

Quant Time: Dec 28 23:54:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.781  | 152  | 77973    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 287657   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 123850   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 181640   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 148877   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 143597   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 427955   | 85.636 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 530714   | 81.959 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 332356   | 59.123 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 104635   | 71.736 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 579865   | 62.972 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.898 | 244  | 421346   | 39.551 | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.569  | 88   | 63367    | 30.433 | ng    | 96       |
| 3) Pyridine                   | 3.334  | 79   | 157652   | 31.032 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.299  | 42   | 96733    | 35.655 | ng    | 97       |
| 6) Aniline                    | 6.451  | 93   | 154889   | 23.924 | ng    | # 39     |
| 8) 2-Chlorophenol             | 6.575  | 128  | 212888   | 38.928 | ng    | 92       |
| 9) Benzaldehyde               | 6.340  | 77   | 70320    | 19.092 | ng    | 97       |
| 10) Phenol                    | 6.446  | 94   | 255431   | 36.952 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 199032   | 37.861 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 213653   | 35.813 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 218730   | 35.882 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 205610   | 36.249 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 178742   | 40.916 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 315277   | 36.683 | ng    | 87       |
| 17) 2-Methylphenol            | 7.045  | 107  | 167093   | 36.882 | ng    | 98       |
| 18) Hexachloroethane          | 7.287  | 117  | 76600    | 34.601 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 142844   | 36.390 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 207299   | 36.625 | ng    | # 79     |
| 22) Acetophenone              | 7.193  | 105  | 295600   | 40.998 | ng    | 93       |
| 24) Nitrobenzene              | 7.369  | 77   | 214040   | 38.009 | ng    | 94       |
| 25) Isophorone                | 7.604  | 82   | 382962   | 37.439 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 107508   | 39.903 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 161023   | 49.091 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 245923   | 39.553 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 162154   | 38.399 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 177841   | 37.798 | ng    | 97       |
| 31) Naphthalene               | 8.081  | 128  | 600443   | 37.995 | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 114625   | 36.117 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.134  | 127  | 93869    | 16.088 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 104996   | 36.730 | ng    | 96       |
| 35) Caprolactam               | 8.510  | 113  | 51320m   | 36.839 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 164743   | 34.654 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 366238   | 36.010 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 353750   | 35.453 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 177307   | 46.227 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 60039    | 50.986 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 107236   | 43.595 | ng    | 99       |

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 Sample : 05671-05MS  
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Instrument :  
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Quant Time: Dec 28 23:54:48 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

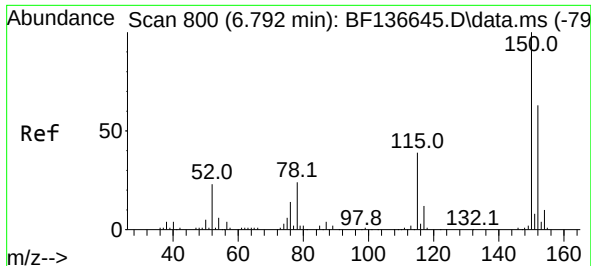
### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 104718   | 38.203 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 473481   | 45.558 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 334575   | 42.347 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.363  | 65   | 101723   | 41.115 | ng    | 98       |
| 49) Acenaphthylene            | 9.681  | 152  | 529716   | 43.864 | ng    | 100      |
| 50) Dimethylphthalate         | 9.545  | 163  | 385594   | 42.624 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 80098    | 39.014 | ng    | 95       |
| 52) Acenaphthene              | 9.851  | 154  | 300631   | 40.160 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.775  | 138  | 65036    | 29.904 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 53120    | 48.240 | ng    | 99       |
| 55) Dibenzofuran              | 10.028 | 168  | 453068   | 39.926 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.951  | 139  | 86956    | 59.228 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 94491    | 35.453 | ng    | 93       |
| 58) Fluorene                  | 10.369 | 166  | 344128   | 38.220 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232  | 78668    | 37.282 | ng    | 95       |
| 60) Diethylphthalate          | 10.245 | 149  | 363662   | 38.745 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 168199   | 38.432 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.392 | 138  | 60898m   | 29.046 | ng    |          |
| 63) Azobenzene                | 10.522 | 77   | 316938   | 36.153 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 36141    | 34.718 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.481 | 169  | 291831   | 49.459 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 92754    | 45.980 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.916 | 284  | 95567    | 42.511 | ng    | 98       |
| 69) Atrazine                  | 11.016 | 200  | 79991    | 53.003 | ng    | 95       |
| 70) Pentachlorophenol         | 11.116 | 266  | 79804    | 76.161 | ng    | 95       |
| 71) Phenanthrene              | 11.333 | 178  | 517107   | 55.483 | ng    | 99       |
| 72) Anthracene                | 11.386 | 178  | 418730   | 44.363 | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 367522   | 41.299 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.875 | 149  | 472094   | 43.475 | ng    | 100      |
| 75) Fluoranthene              | 12.527 | 202  | 602658   | 60.452 | ng    | 98       |
| 77) Benzidine                 | 12.651 | 184  | 63455    | 14.455 | ng    | 97       |
| 78) Pyrene                    | 12.757 | 202  | 596129   | 40.789 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.380 | 149  | 186658   | 35.100 | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 514037   | 49.724 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 118593   | 40.395 | ng    | 99       |
| 83) Chrysene                  | 13.992 | 228  | 483034   | 47.781 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 276552   | 41.333 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.563 | 149  | 516844   | 49.937 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 367495   | 35.445 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 494840   | 51.594 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 413676   | 45.647 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 388742   | 48.018 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 283059   | 33.278 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.404 | 276  | 286438   | 32.879 | ng    | 98       |

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





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

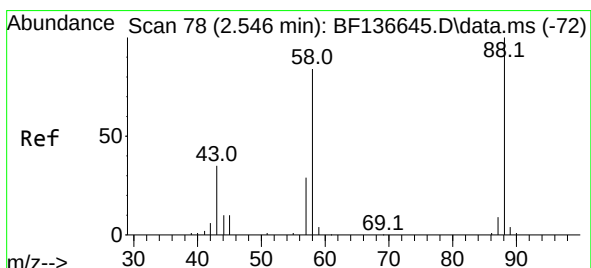
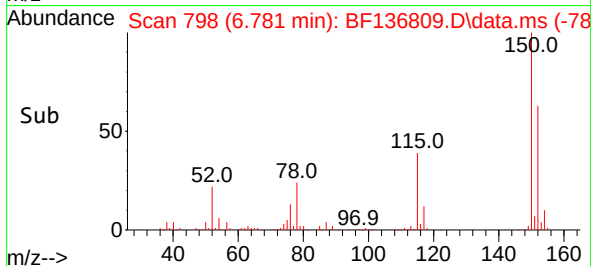
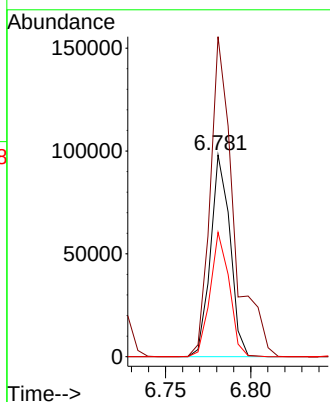
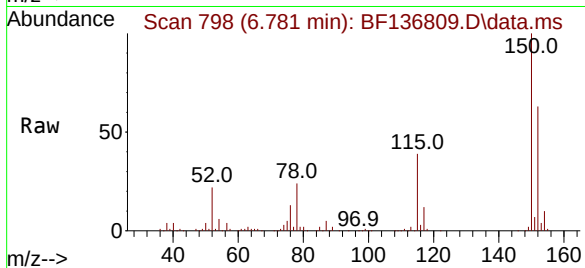
TP-35MS

Tgt Ion:152 Resp: 7797  
Ion Ratio Lower Upper  
152 100  
150 158.6 127.0 190.6  
115 61.6 49.0 73.4

Manual Integrations

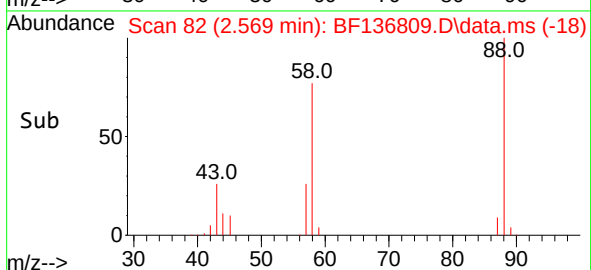
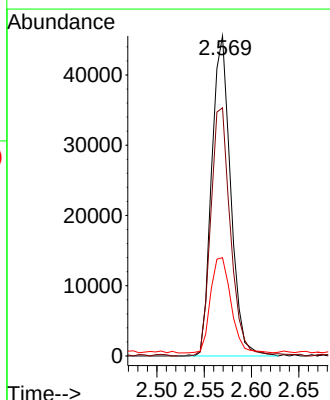
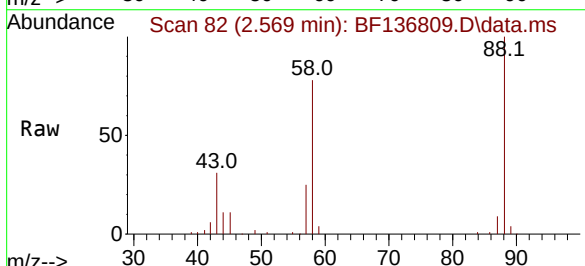
APPROVED

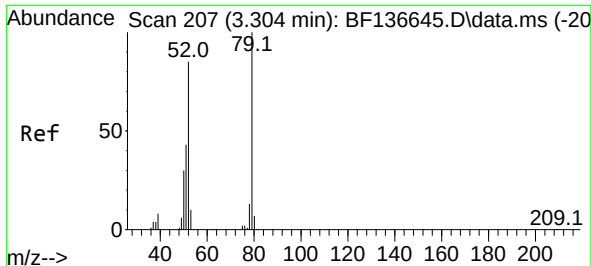
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#2  
1,4-Dioxane  
Concen: 30.433 ng  
RT: 2.569 min Scan# 82  
Delta R.T. 0.024 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

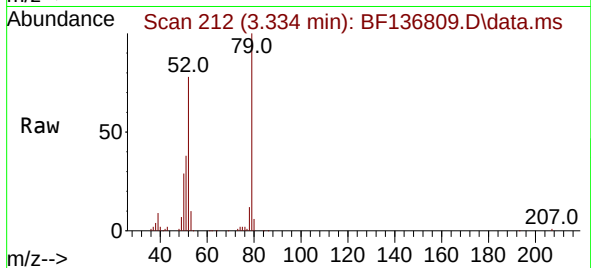
Tgt Ion: 88 Resp: 63367  
Ion Ratio Lower Upper  
88 100  
58 81.1 67.4 101.0  
43 32.2 27.7 41.5





#3  
Pyridine  
Concen: 31.032 ng  
RT: 3.334 min Scan# 212  
Delta R.T. 0.030 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

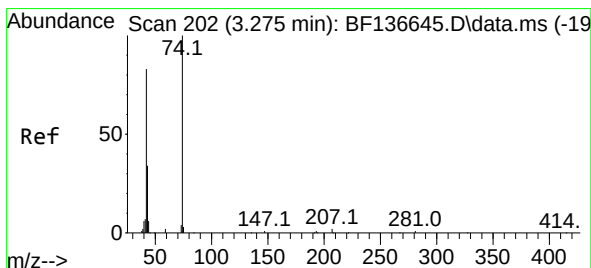
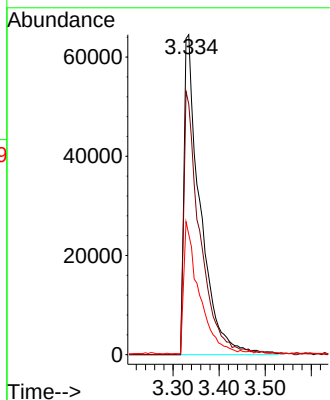
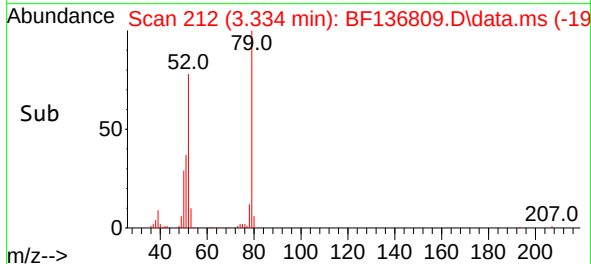
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



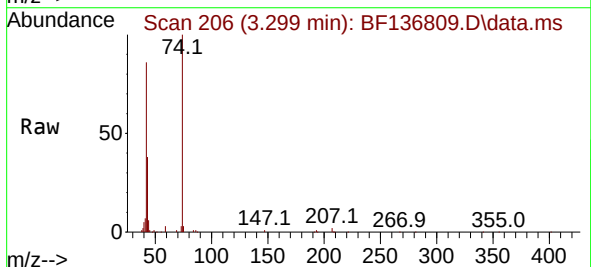
Tgt Ion: 79 Resp: 157652  
Ion Ratio Lower Upper  
79 100  
52 78.3 67.7 101.5  
51 37.6 34.0 51.0

Manual Integrations  
APPROVED

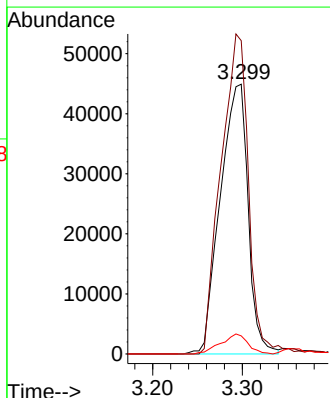
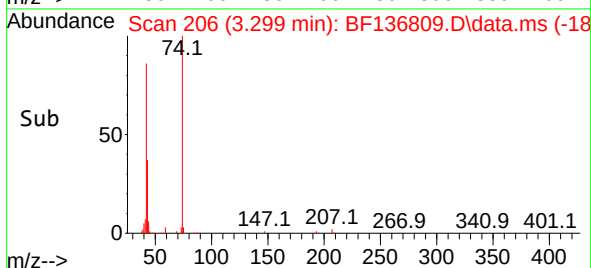
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

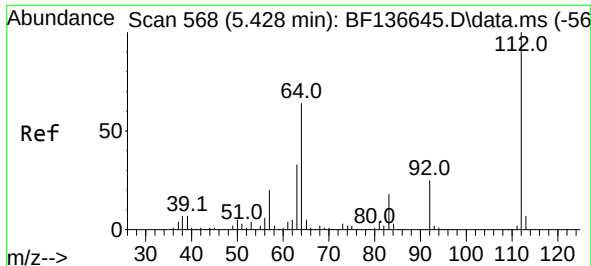


#4  
n-Nitrosodimethylamine  
Concen: 35.655 ng  
RT: 3.299 min Scan# 206  
Delta R.T. 0.024 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion: 42 Resp: 96733  
Ion Ratio Lower Upper  
42 100  
74 116.1 96.0 144.0  
44 6.7 5.4 8.2





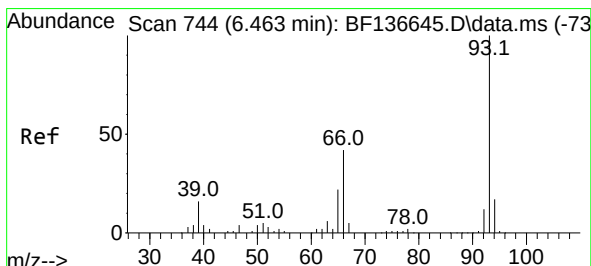
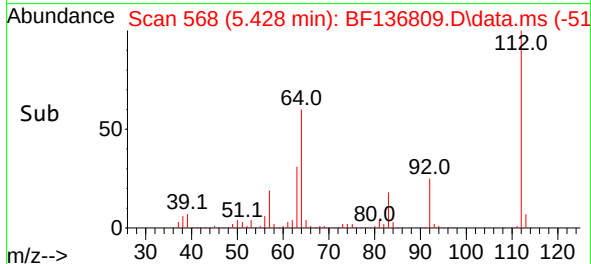
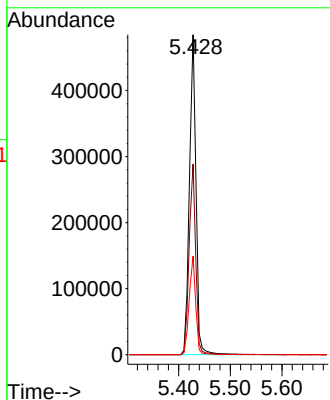
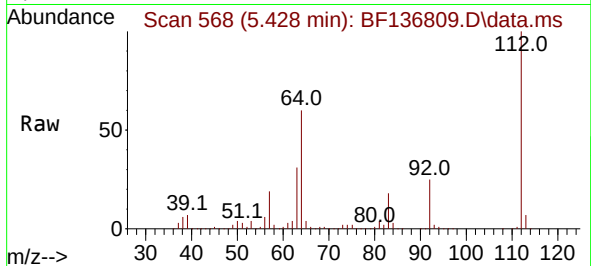
#5  
2-Fluorophenol  
Concen: 85.636 ng  
RT: 5.428 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:112 Resp: 42795  
Ion Ratio Lower Upper  
112 100  
64 59.6 51.1 76.7  
63 30.8 26.1 39.1

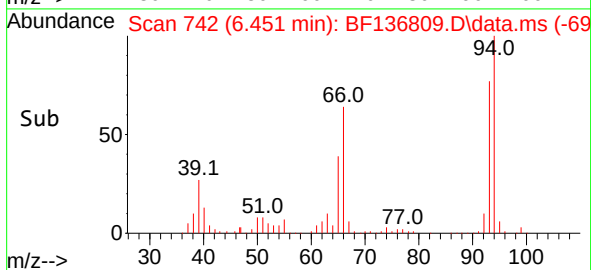
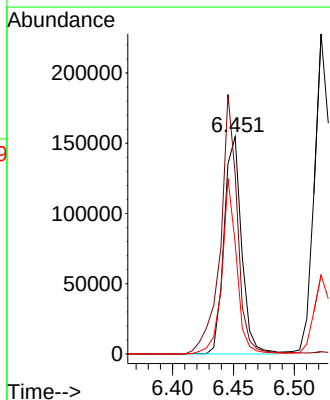
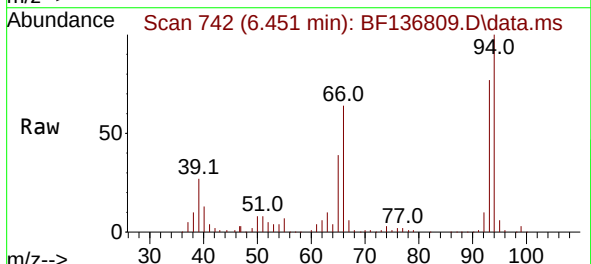
Manual Integrations  
APPROVED

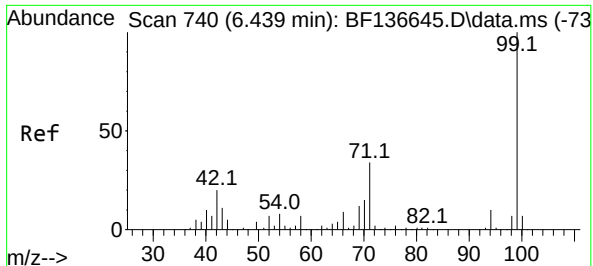
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#6  
Aniline  
Concen: 23.924 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

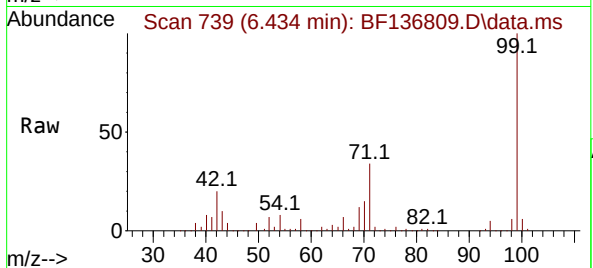
Tgt Ion: 93 Resp: 154889  
Ion Ratio Lower Upper  
93 100  
66 82.9 34.6 51.8#  
65 51.0 17.8 26.8#





#7  
Phenol-d6  
Concen: 81.959 ng  
RT: 6.434 min Scan# 714  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

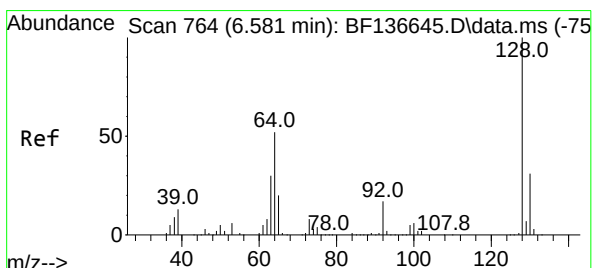
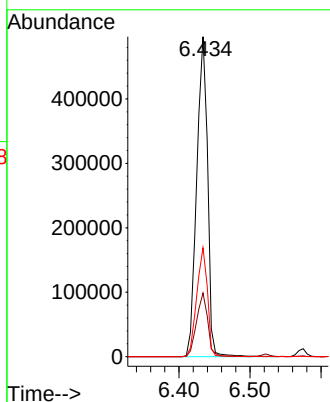
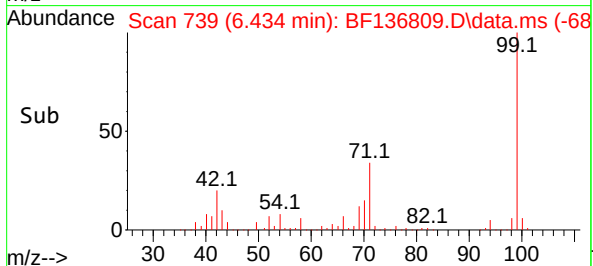
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion: 99 Resp: 530714  
Ion Ratio Lower Upper  
99 100  
42 19.9 16.1 24.1  
71 34.1 27.4 41.2

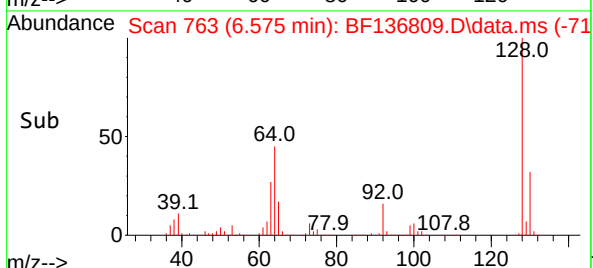
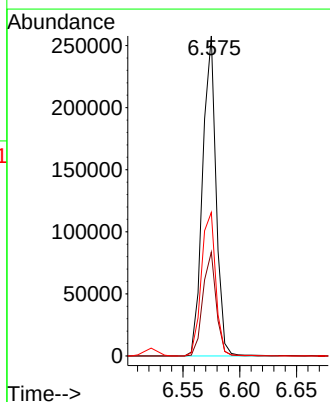
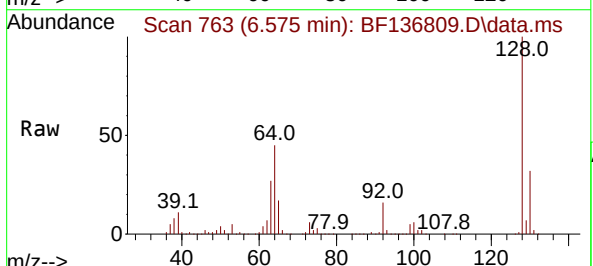
Manual Integrations  
APPROVED

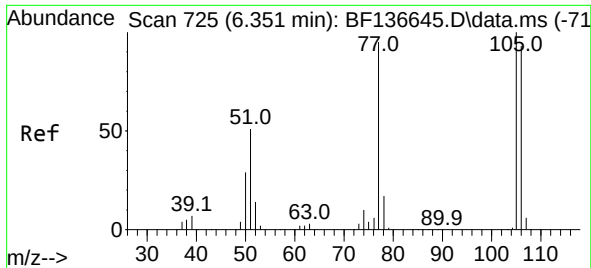
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#8  
2-Chlorophenol  
Concen: 38.928 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:128 Resp: 212888  
Ion Ratio Lower Upper  
128 100  
130 32.5 11.3 51.3  
64 44.9 32.5 72.5





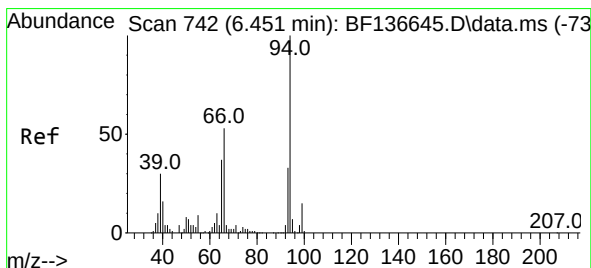
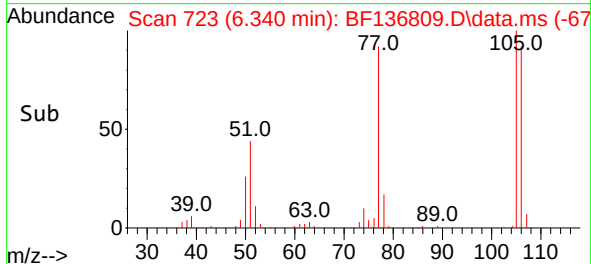
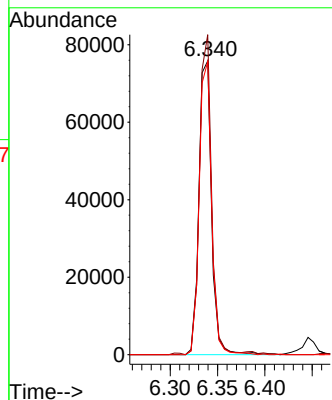
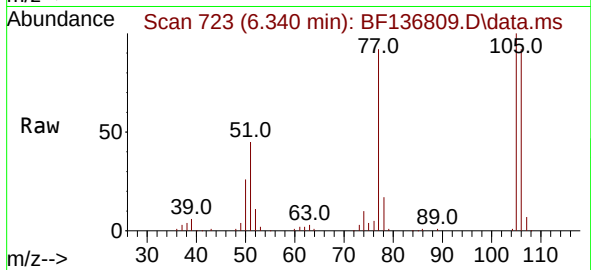
#9  
Benzaldehyde  
Concen: 19.092 ng  
RT: 6.340 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion: 77 Resp: 70320  
Ion Ratio Lower Upper  
77 100  
105 108.9 84.8 124.8  
106 99.8 77.8 117.8

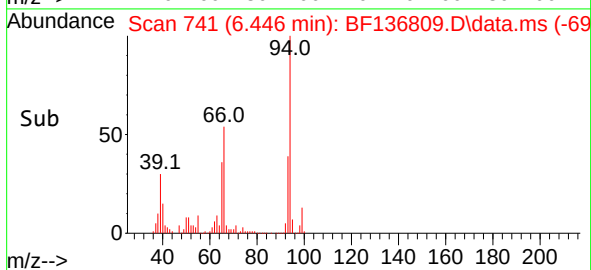
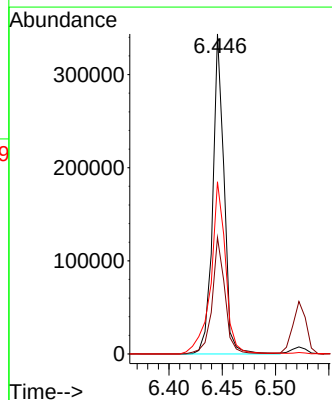
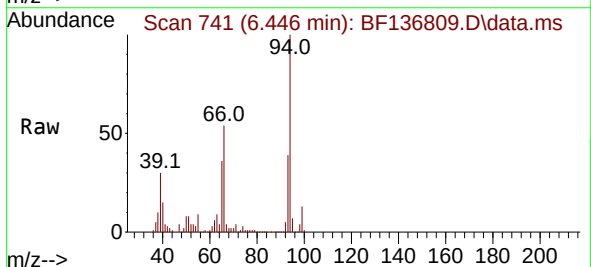
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

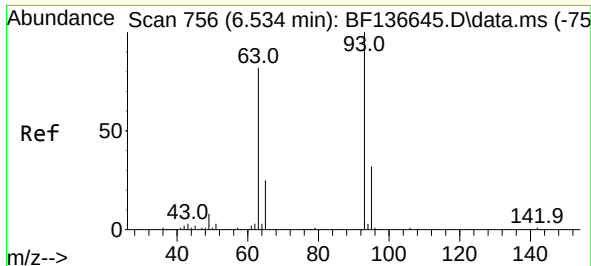


#10  
Phenol  
Concen: 36.952 ng  
RT: 6.446 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion: 94 Resp: 255431  
Ion Ratio Lower Upper  
94 100  
65 36.4 16.6 56.6  
66 53.8 32.6 72.6







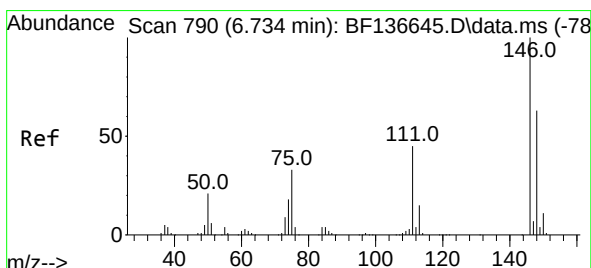
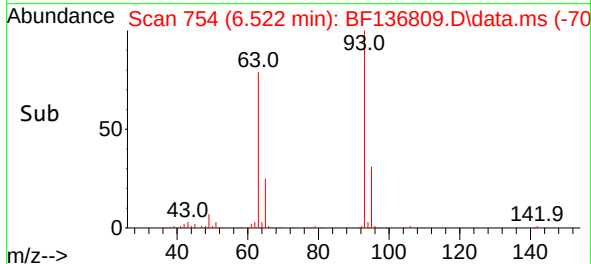
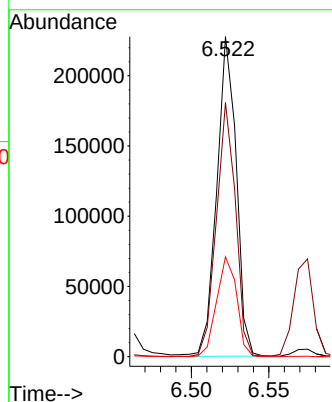
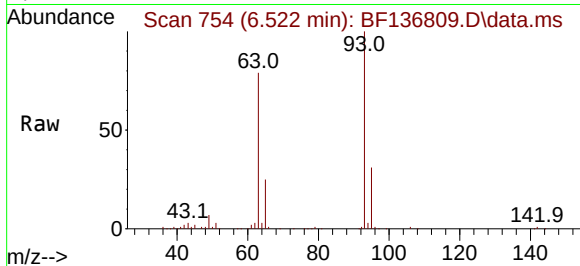
#11  
bis(2-Chloroethyl)ether  
Concen: 37.861 ng  
RT: 6.522 min Scan# 711  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion: 93 Resp: 19903  
Ion Ratio Lower Upper  
93 100  
63 79.4 61.2 101.2  
95 31.2 11.6 51.6

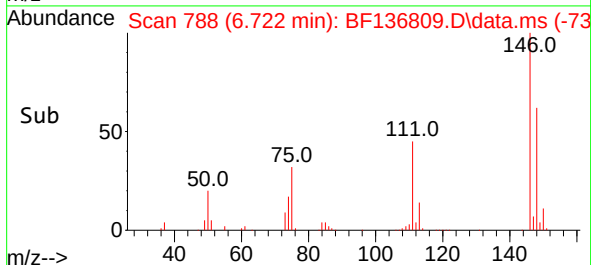
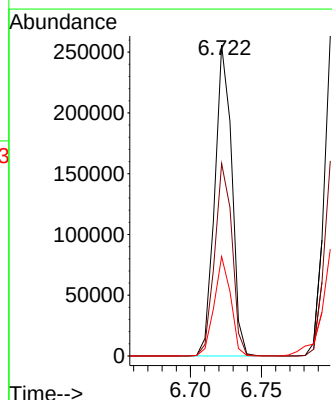
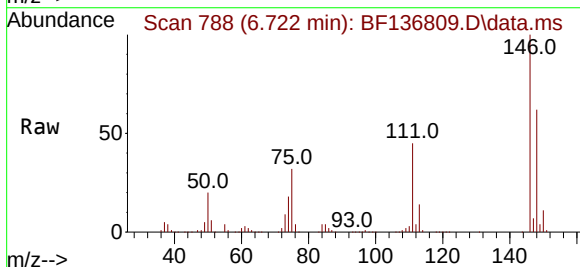
Manual Integrations  
APPROVED

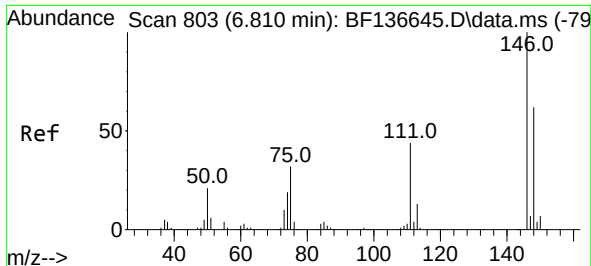
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#12  
1,3-Dichlorobenzene  
Concen: 35.813 ng  
RT: 6.722 min Scan# 788  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:146 Resp: 213653  
Ion Ratio Lower Upper  
146 100  
148 61.9 50.5 75.7  
75 32.0 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 35.882 ng

RT: 6.798 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:146 Resp: 218730

Ion Ratio Lower Upper

146 100

148 60.9 49.2 73.8

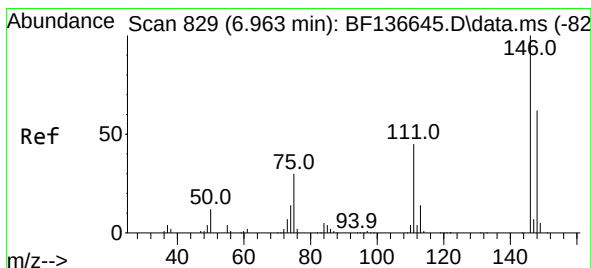
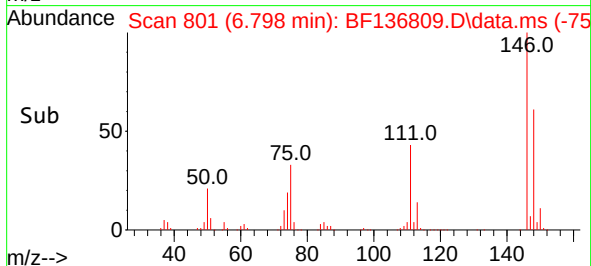
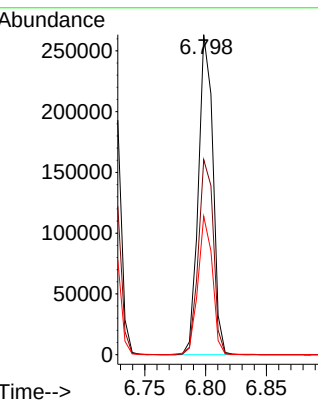
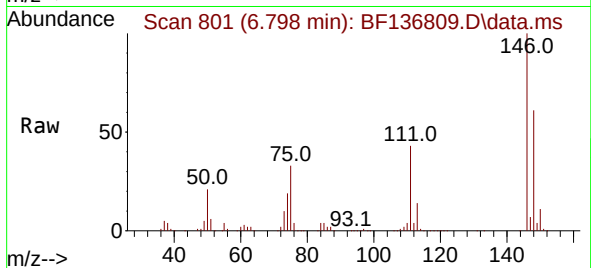
111 43.3 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#14

1,2-Dichlorobenzene

Concen: 36.249 ng

RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

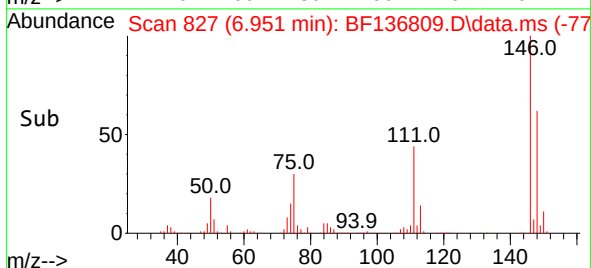
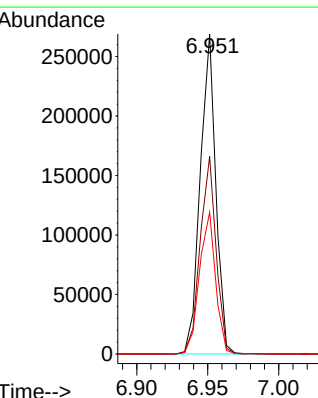
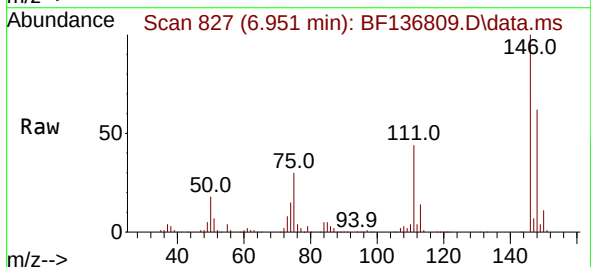
Tgt Ion:146 Resp: 205610

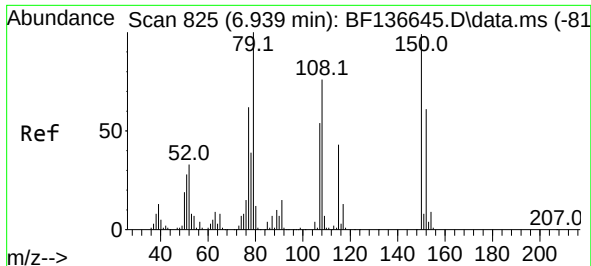
Ion Ratio Lower Upper

146 100

148 61.7 49.6 74.4

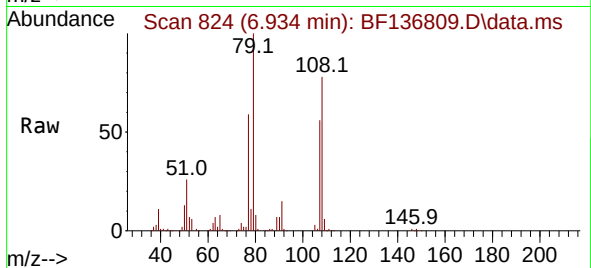
111 44.3 36.2 54.2





#15  
Benzyl Alcohol  
Concen: 40.916 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

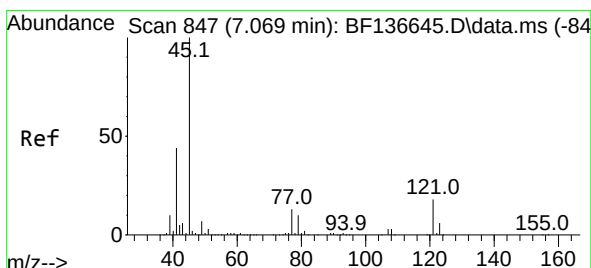
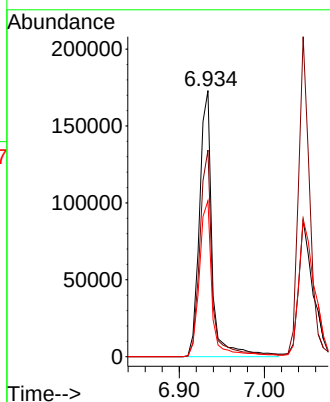
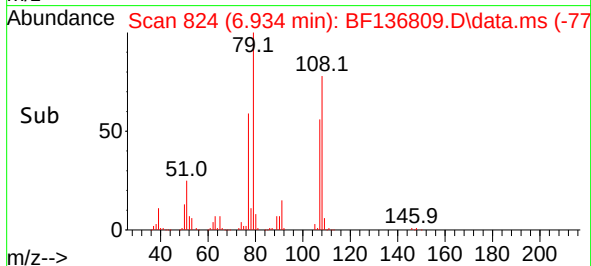
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion: 79 Resp: 17874  
Ion Ratio Lower Upper  
79 100  
108 77.6 61.0 91.6  
77 58.6 49.8 74.8

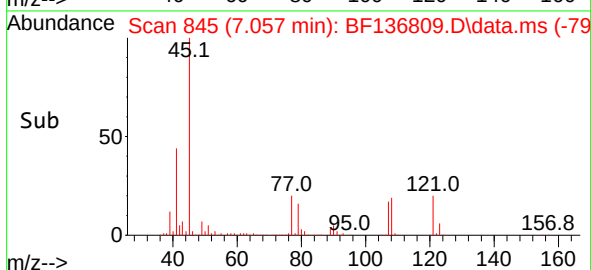
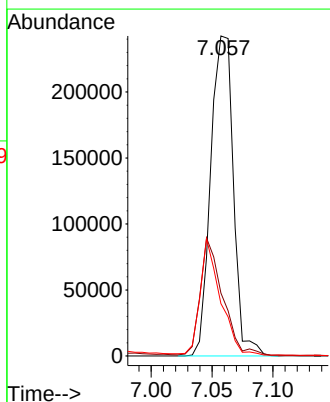
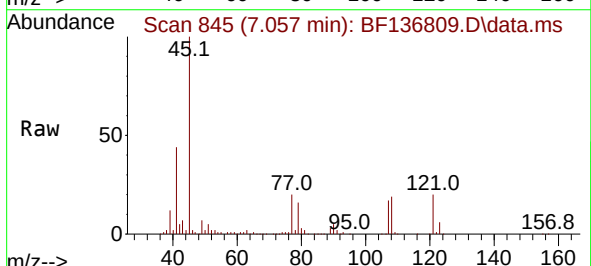
Manual Integrations  
APPROVED

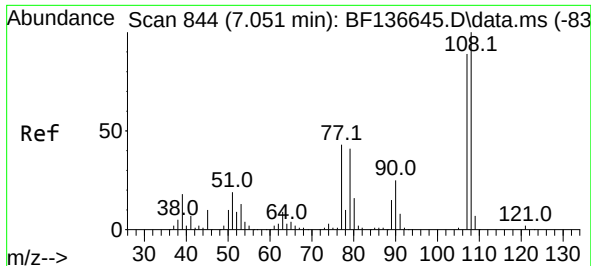
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.683 ng  
RT: 7.057 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion: 45 Resp: 315277  
Ion Ratio Lower Upper  
45 100  
77 19.7 0.0 34.3  
79 16.3 0.0 31.4





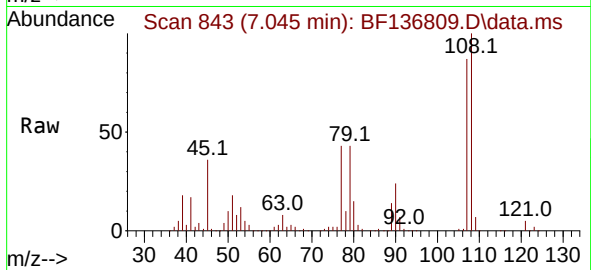
#17  
2-Methylphenol  
Concen: 36.882 ng  
RT: 7.045 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

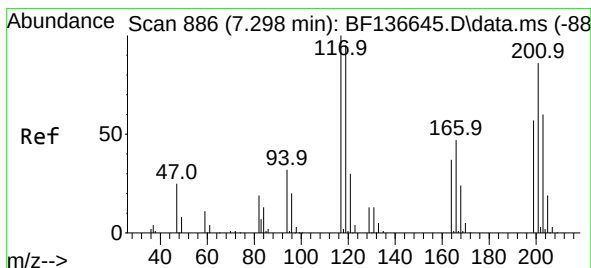
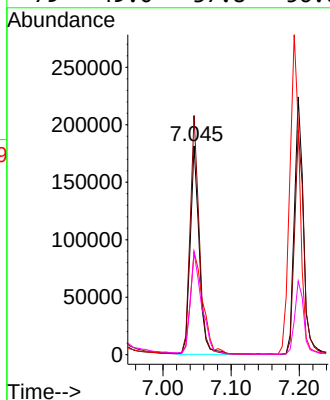
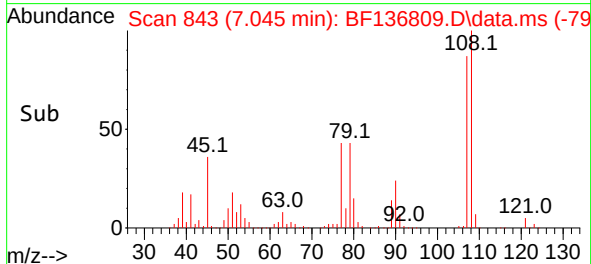


Tgt Ion:107 Resp: 16709  
Ion Ratio Lower Upper  
107 100  
108 114.6 90.3 135.5  
77 49.3 38.7 58.1  
79 49.0 37.8 56.6

Manual Integrations

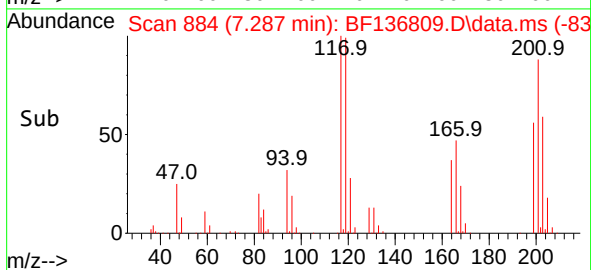
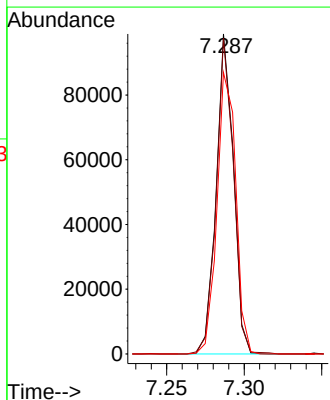
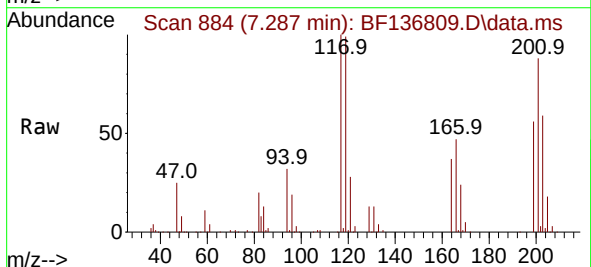
APPROVED

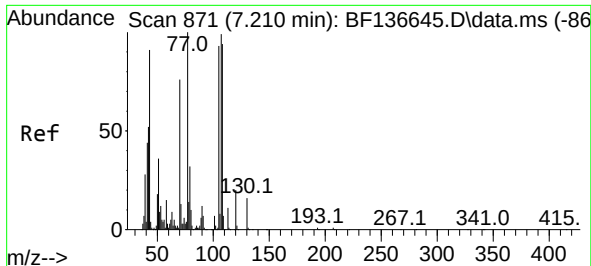
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#18  
Hexachloroethane  
Concen: 34.601 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

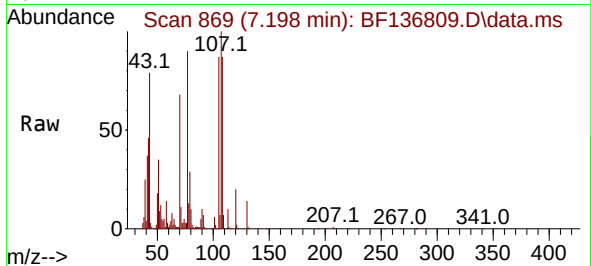
Tgt Ion:117 Resp: 76600  
Ion Ratio Lower Upper  
117 100  
119 98.7 75.8 113.6  
201 87.9 69.1 103.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 36.390 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

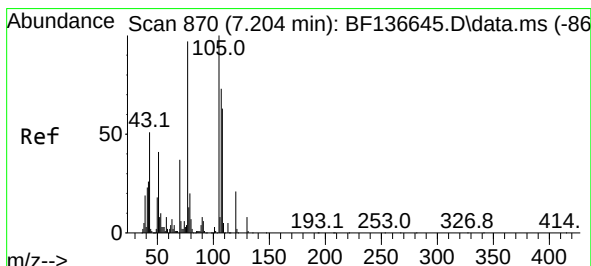
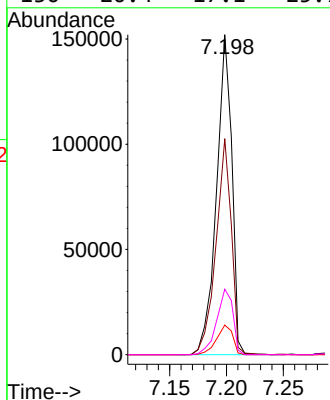
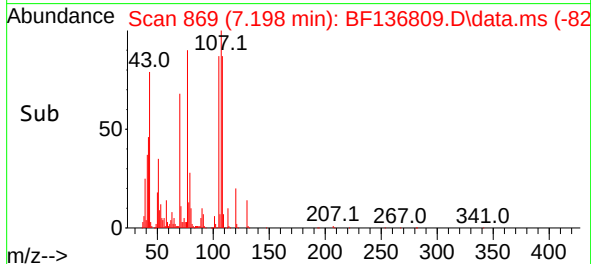
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



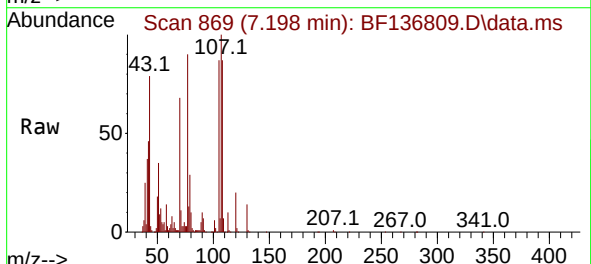
Tgt Ion: 70 Resp: 142844  
Ion Ratio Lower Upper  
70 100  
42 67.5 54.2 81.4  
101 9.2 7.6 11.4  
130 20.4 17.1 25.7

Manual Integrations  
APPROVED

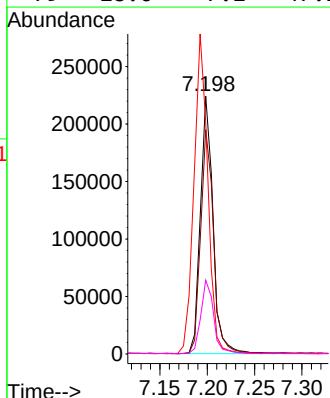
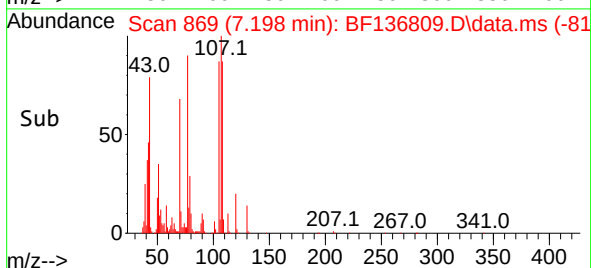
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

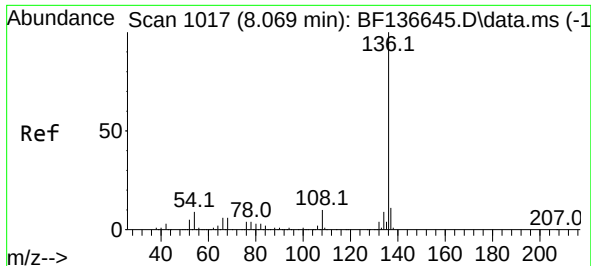


#20  
3+4-Methylphenols  
Concen: 36.625 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion:107 Resp: 207299  
Ion Ratio Lower Upper  
107 100  
108 87.0 66.0 106.0  
77 90.0 114.2 154.2#  
79 28.6 7.2 47.2





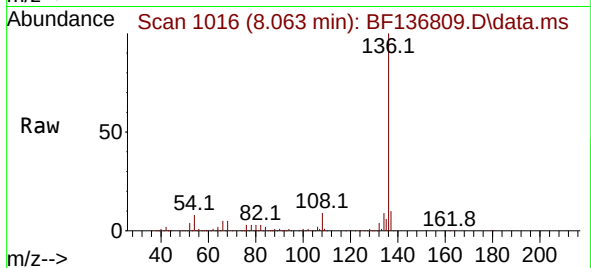
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

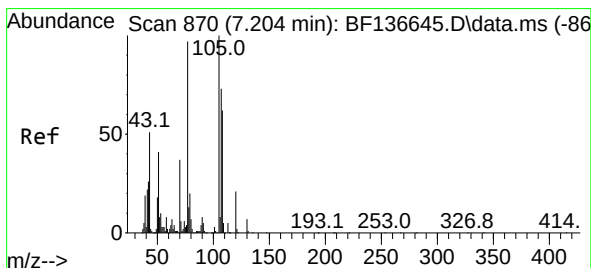
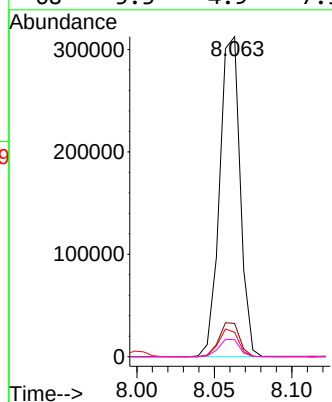
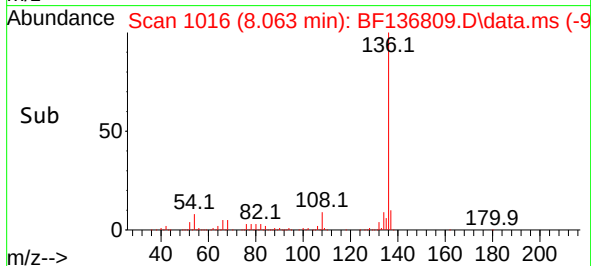


Tgt Ion:136 Resp: 28765  
Ion Ratio Lower Upper  
136 100  
137 10.4 9.0 13.4  
54 7.6 7.2 10.8  
68 5.3 4.9 7.3

Manual Integrations

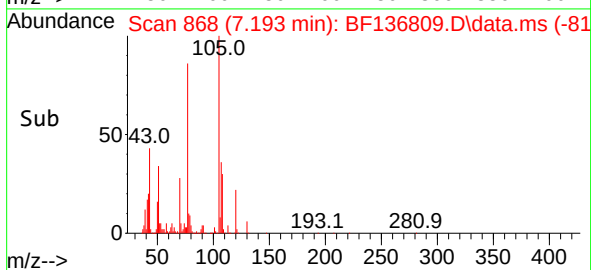
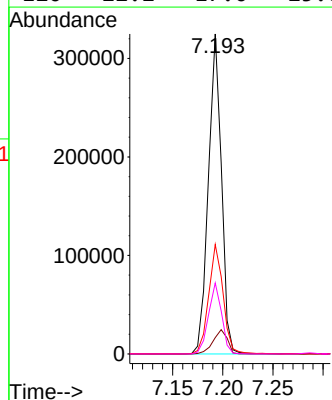
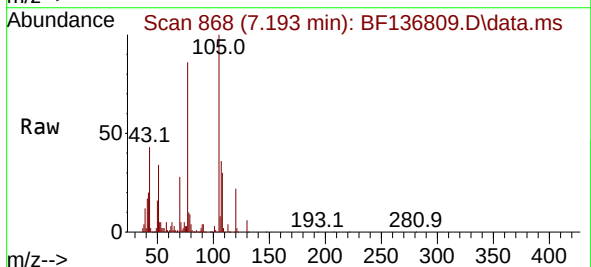
APPROVED

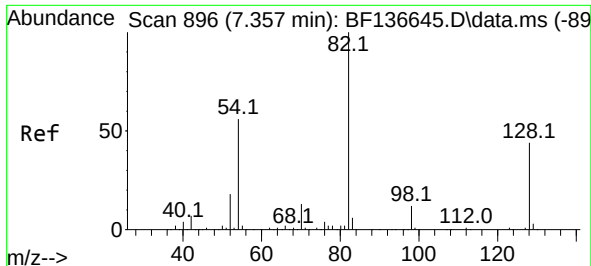
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#22  
Acetophenone  
Concen: 40.998 ng  
RT: 7.193 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:105 Resp: 295600  
Ion Ratio Lower Upper  
105 100  
71 5.1 4.8 7.2  
51 34.2 32.8 49.2  
120 22.2 17.0 25.6





#23

Nitrobenzene-d5

Concen: 59.123 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

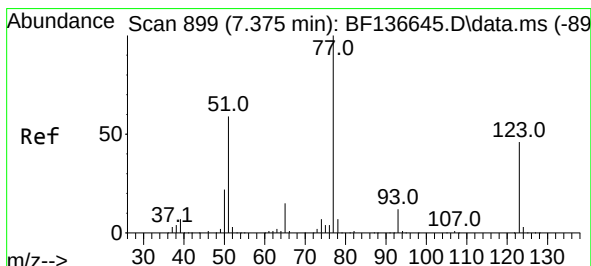
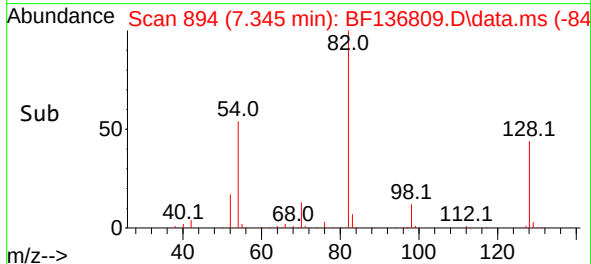
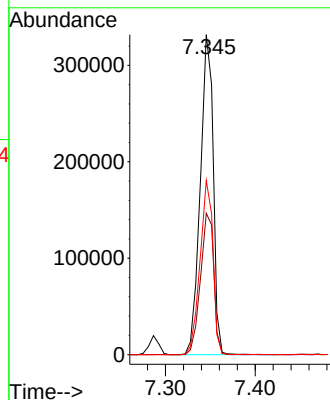
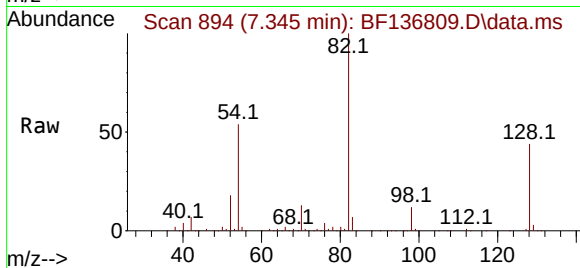
TP-35MS

Tgt Ion: 82 Resp: 332350  
 Ion Ratio Lower Upper  
 82 100  
 128 44.2 35.3 52.9  
 54 54.5 44.5 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023



#24

Nitrobenzene

Concen: 38.009 ng

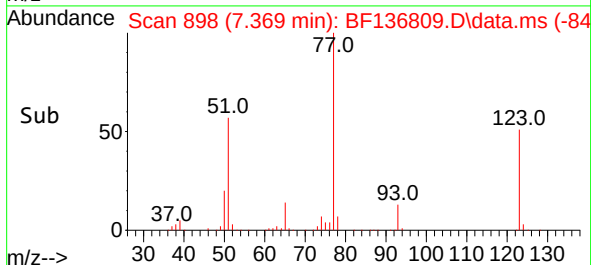
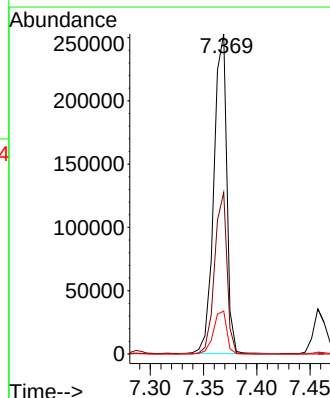
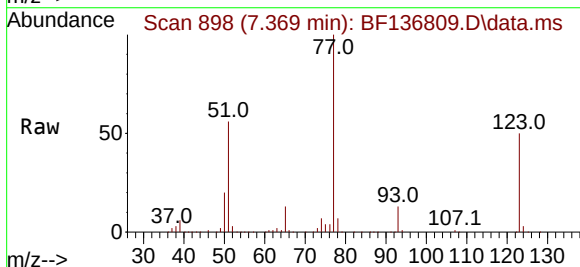
RT: 7.369 min Scan# 898

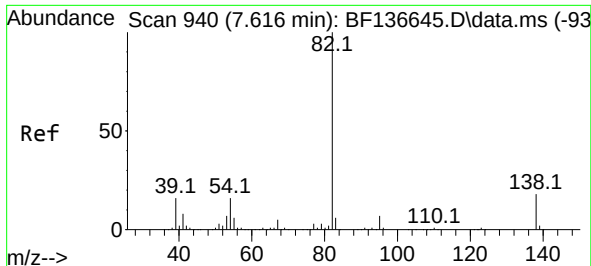
Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

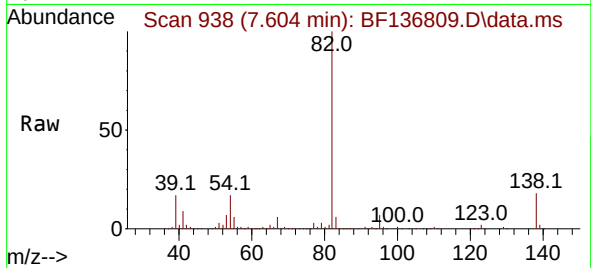
Tgt Ion: 77 Resp: 214040  
 Ion Ratio Lower Upper  
 77 100  
 123 50.4 36.7 55.1  
 65 13.4 11.8 17.6





#25  
Isophorone  
Concen: 37.439 ng  
RT: 7.604 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

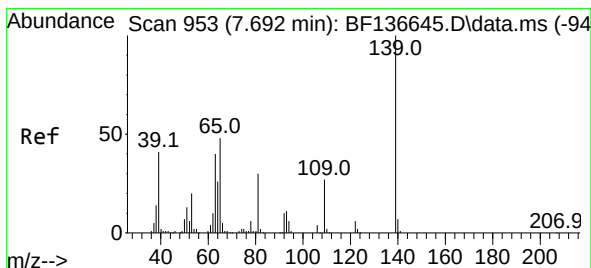
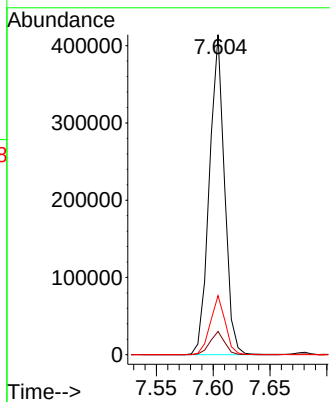
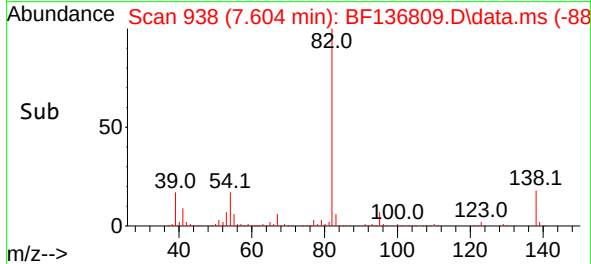
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



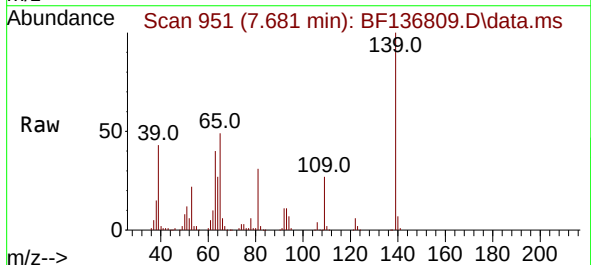
Tgt Ion: 82 Resp: 382962  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 18.5 14.5 21.7

Manual Integrations  
APPROVED

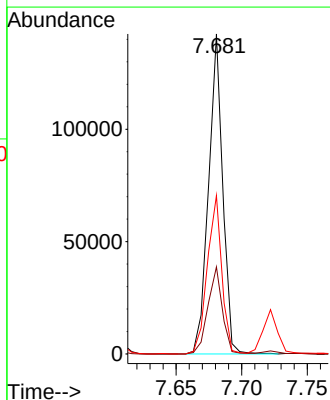
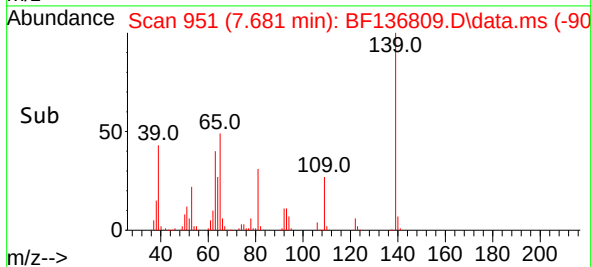
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



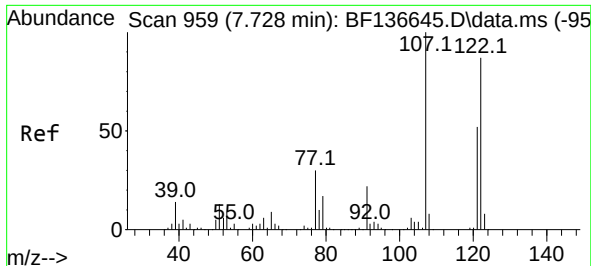
#26  
2-Nitrophenol  
Concen: 39.903 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion:139 Resp: 107508  
Ion Ratio Lower Upper  
139 100  
109 27.2 21.9 32.9  
65 49.5 38.6 58.0







#27  
2,4-Dimethylphenol  
Concen: 49.091 ng  
RT: 7.722 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

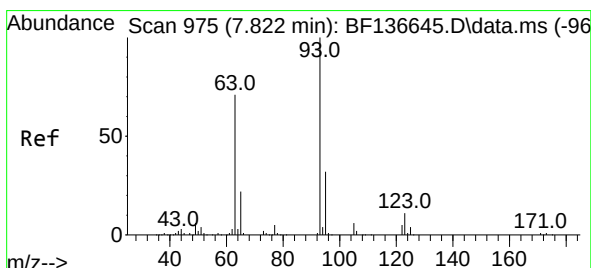
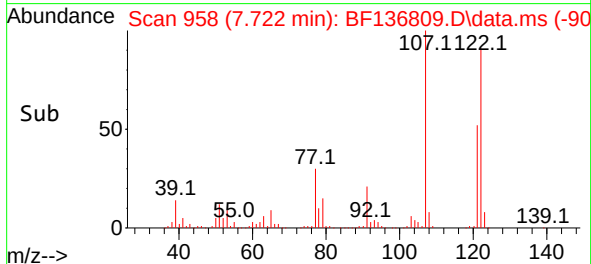
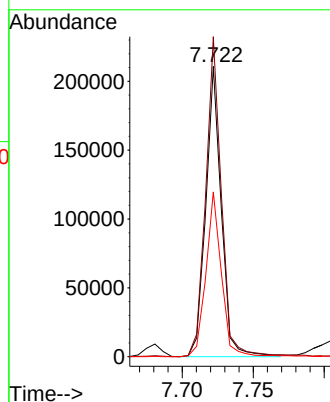
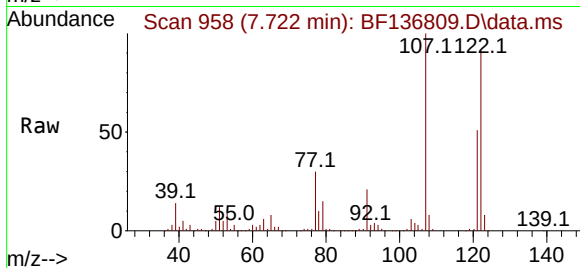
TP-35MS

Tgt Ion:122 Resp: 161023  
Ion Ratio Lower Upper  
122 100  
107 110.3 92.0 138.0  
121 56.8 47.5 71.3

Manual Integrations

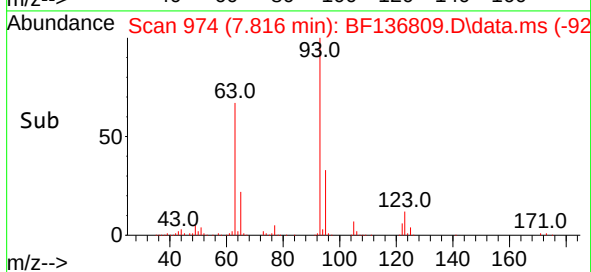
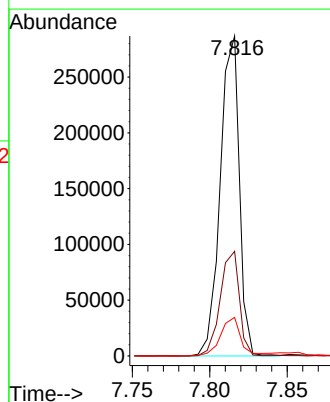
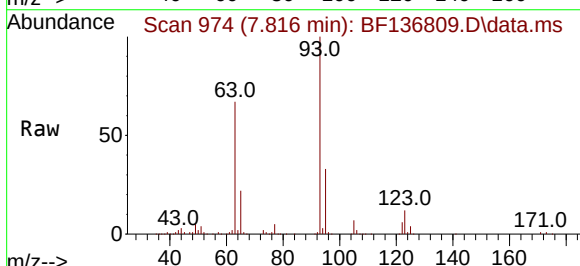
APPROVED

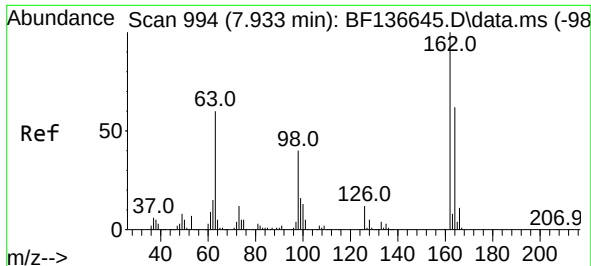
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.553 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion: 93 Resp: 245923  
Ion Ratio Lower Upper  
93 100  
95 32.7 25.5 38.3  
123 12.0 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 38.399 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

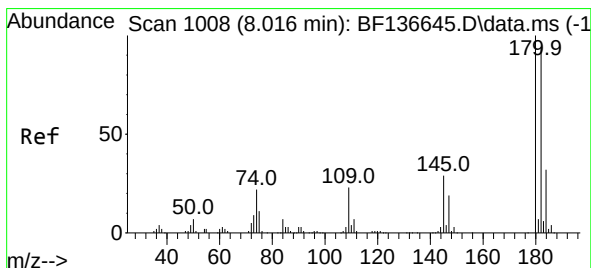
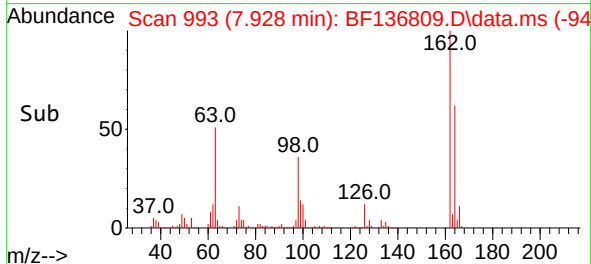
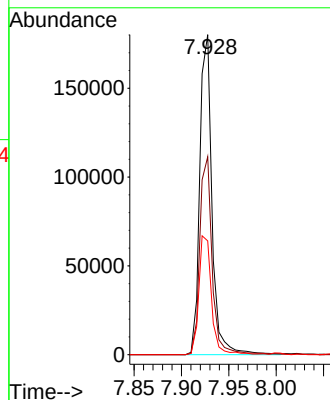
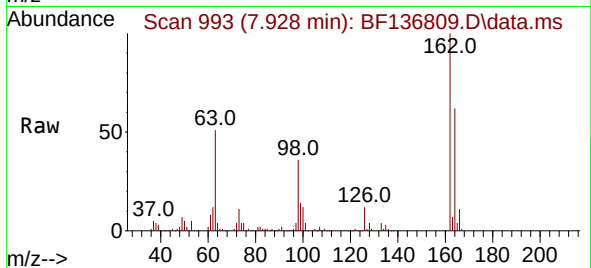
TP-35MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 162154 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 61.9  | 41.7  | 81.7   |
| 98        | 35.5  | 19.5  | 59.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#30

1,2,4-Trichlorobenzene

Concen: 37.798 ng

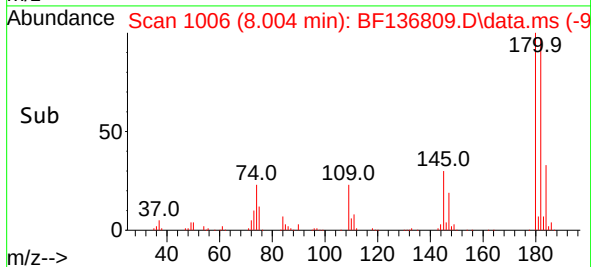
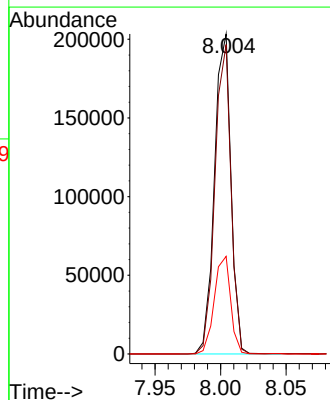
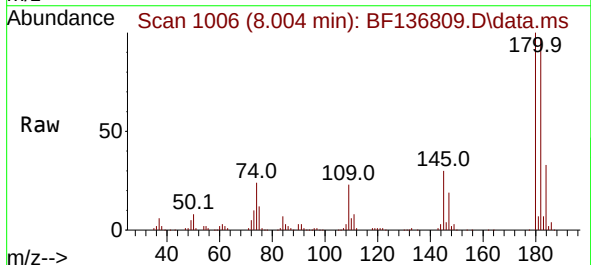
RT: 8.004 min Scan# 1006

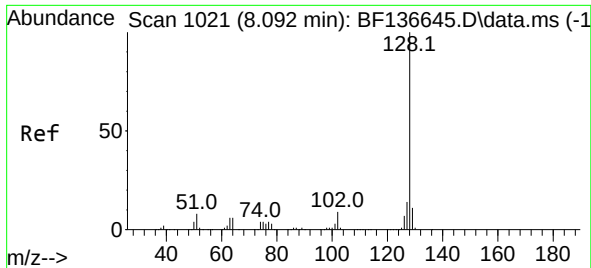
Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 177841 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 96.7  | 75.4  | 113.0  |
| 145       | 30.5  | 23.1  | 34.7   |





#31  
Naphthalene  
Concen: 37.995 ng  
RT: 8.081 min Scan# 1021  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

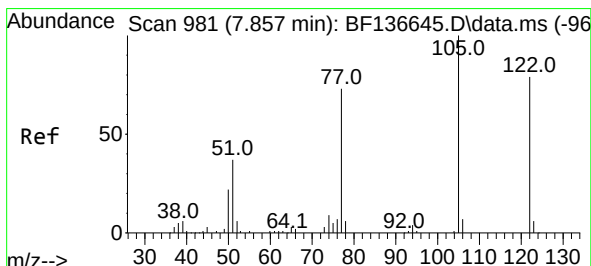
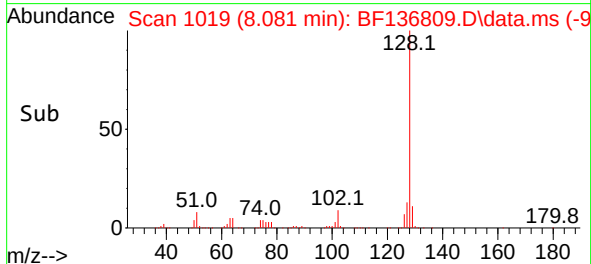
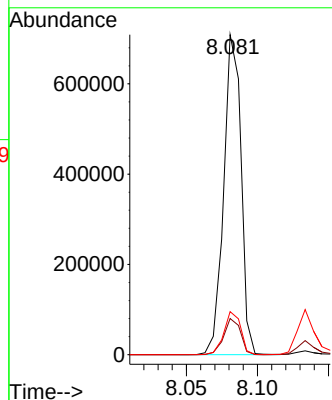
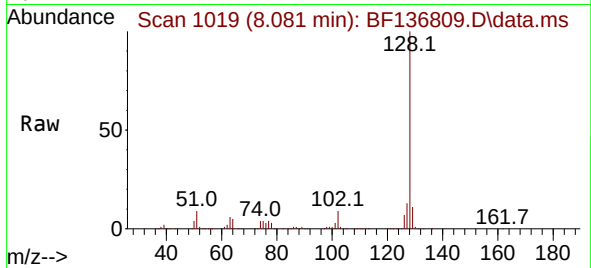
ClientSampleId :

TP-35MS

Tgt Ion:128 Resp: 60044  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 13.5 10.8 16.2

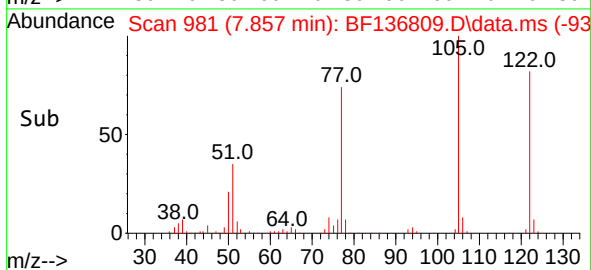
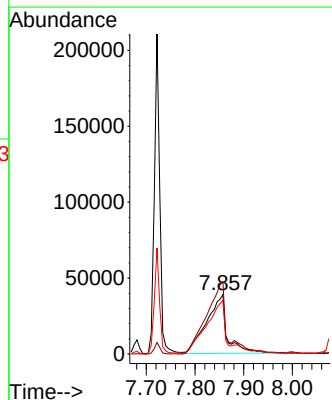
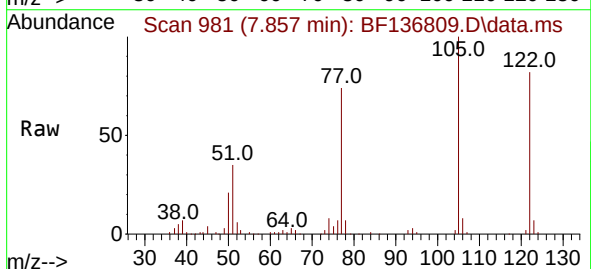
Manual Integrations  
APPROVED

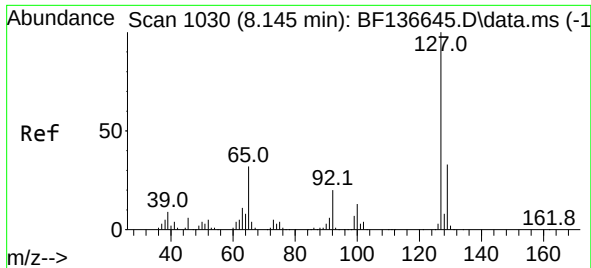
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#32  
Benzoic acid  
Concen: 36.117 ng  
RT: 7.857 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:122 Resp: 114625  
Ion Ratio Lower Upper  
122 100  
105 121.4 100.8 140.8  
77 90.0 70.9 110.9





#33  
4-Chloroaniline  
Concen: 16.088 ng  
RT: 8.134 min Scan# 1028  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

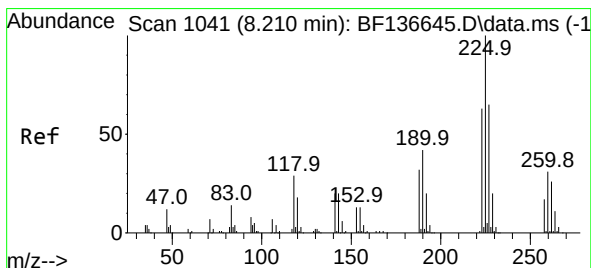
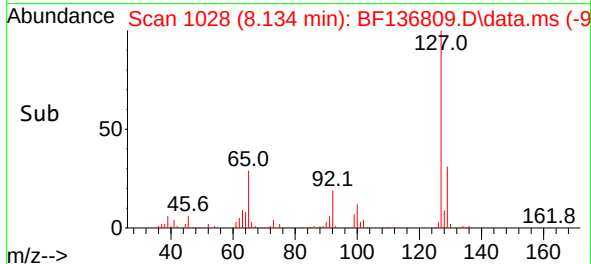
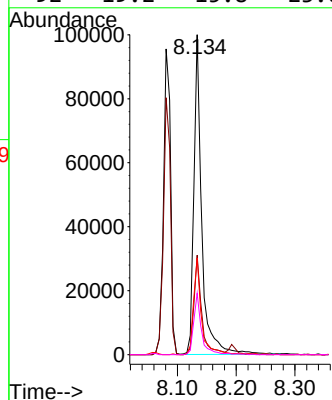
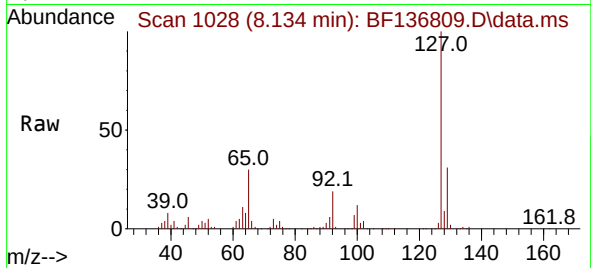
TP-35MS

Tgt Ion:127 Resp: 93869  
Ion Ratio Lower Upper  
127 100  
129 31.1 26.3 39.5  
65 30.3 25.8 38.8  
92 19.2 15.8 23.6

Manual Integrations

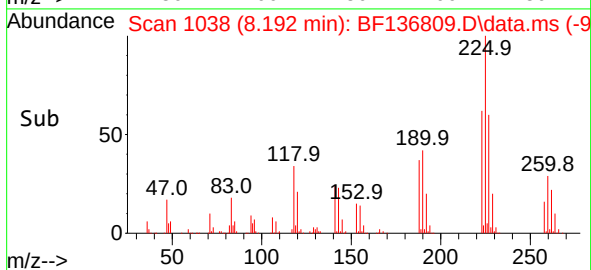
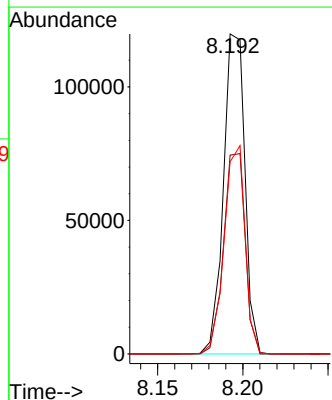
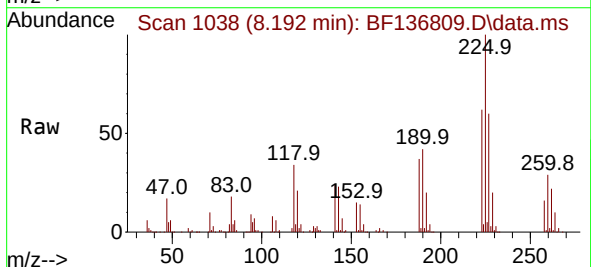
APPROVED

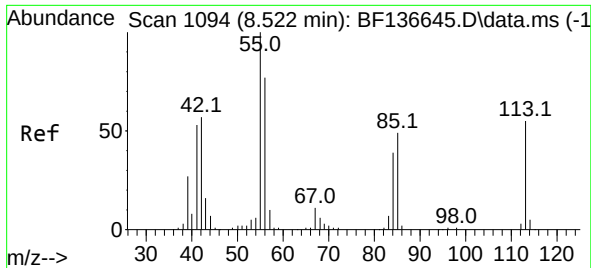
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#34  
Hexachlorobutadiene  
Concen: 36.730 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.017 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

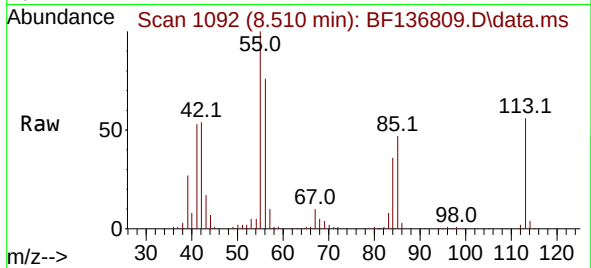
Tgt Ion:225 Resp: 104996  
Ion Ratio Lower Upper  
225 100  
223 62.1 50.6 76.0  
227 60.1 51.9 77.9





#35  
Caprolactam  
Concen: 36.839 ng m  
RT: 8.510 min Scan# 1092  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

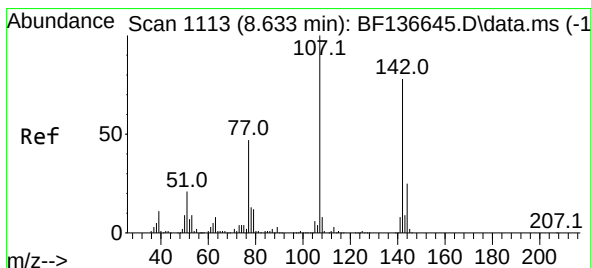
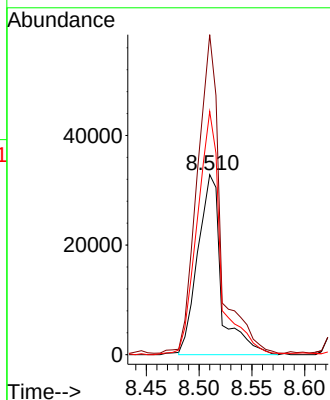
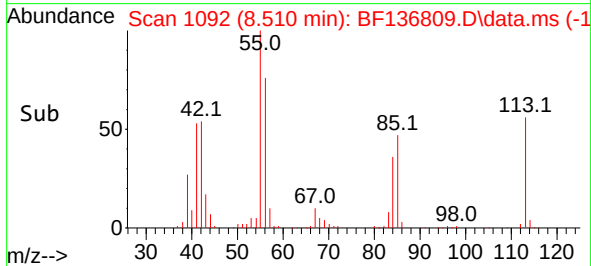
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:113 Resp: 51320  
Ion Ratio Lower Upper  
113 100  
55 177.8 163.1 203.1  
56 135.2 121.7 161.7

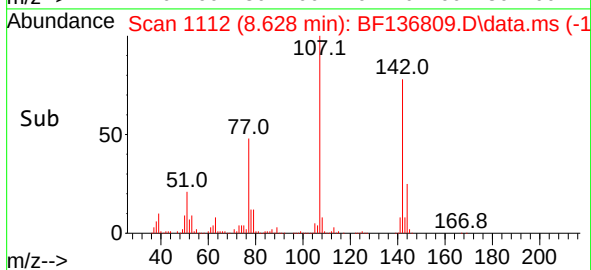
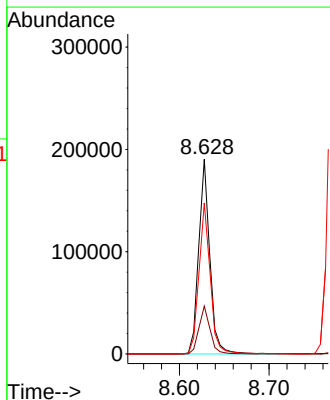
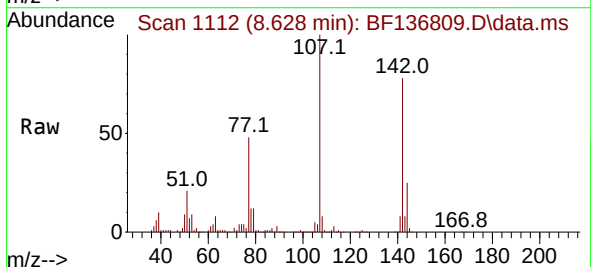
Manual Integrations  
APPROVED

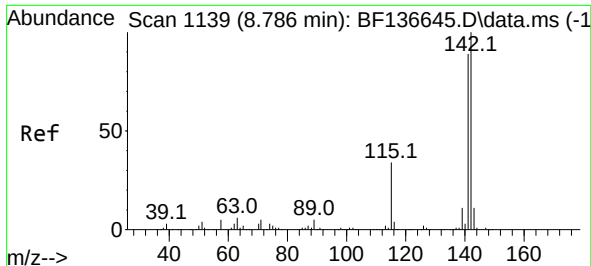
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#36  
4-Chloro-3-methylphenol  
Concen: 34.654 ng  
RT: 8.628 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:107 Resp: 164743  
Ion Ratio Lower Upper  
107 100  
144 24.5 20.2 30.2  
142 77.6 62.3 93.5





#37

2-Methylnaphthalene

Concen: 36.010 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:142 Resp: 366238

Ion Ratio Lower Upper

142 100

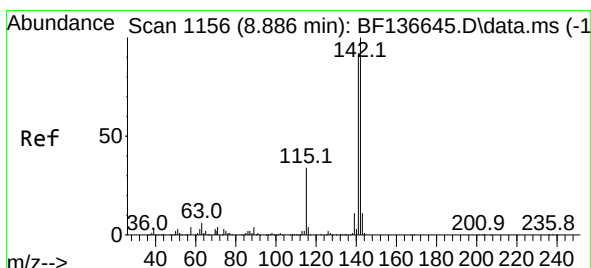
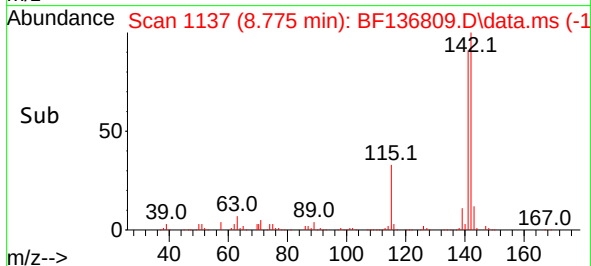
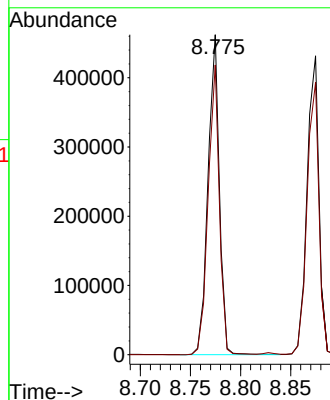
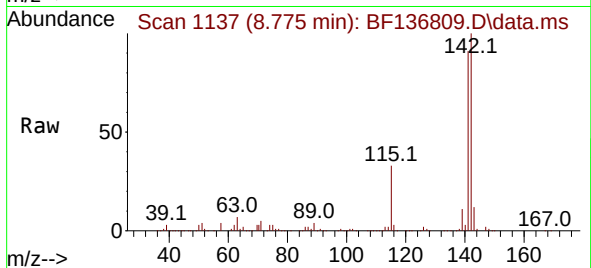
141 90.5 71.1 106.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#38

1-Methylnaphthalene

Concen: 35.453 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136809.D

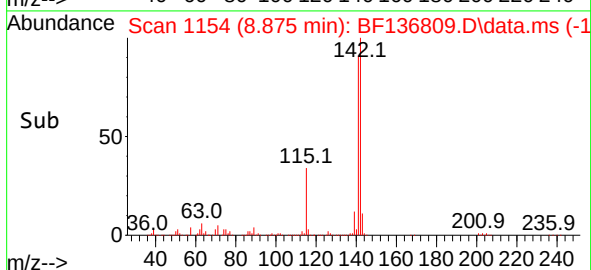
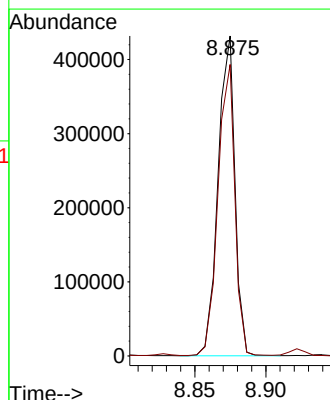
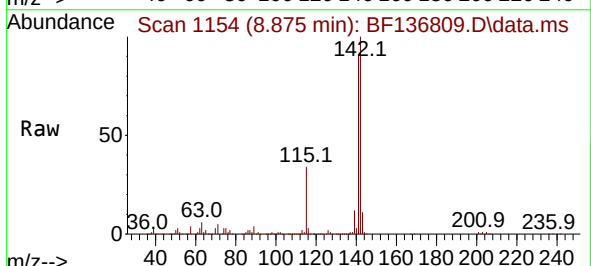
Acq: 28 Dec 2023 23:24

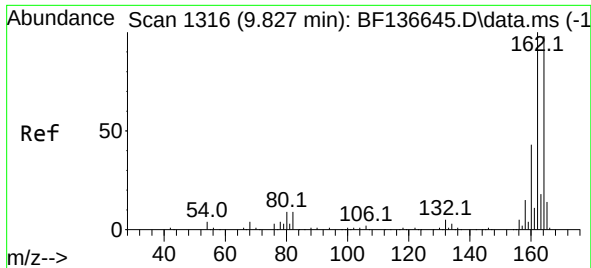
Tgt Ion:142 Resp: 353750

Ion Ratio Lower Upper

142 100

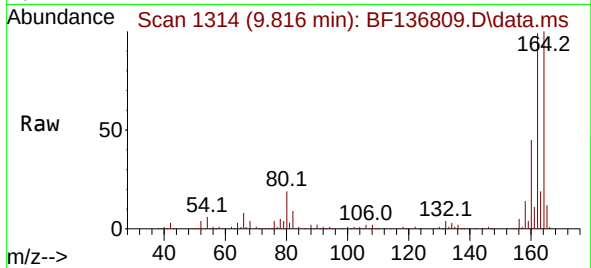
141 91.1 73.6 110.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1165  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

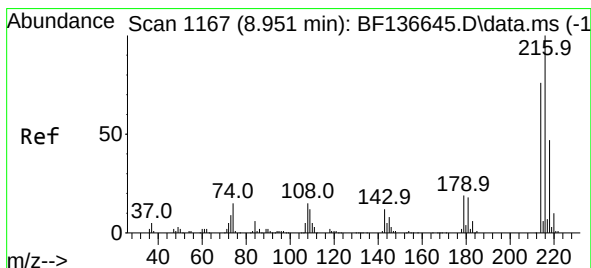
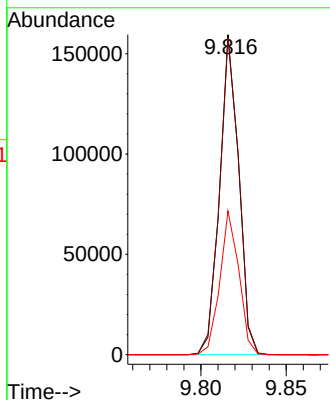
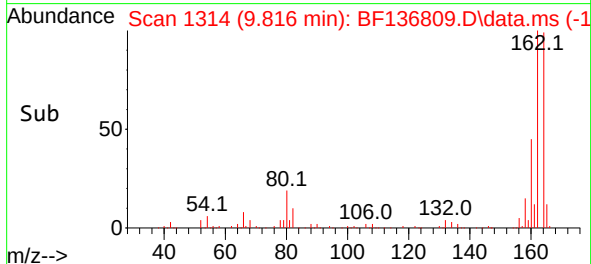
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



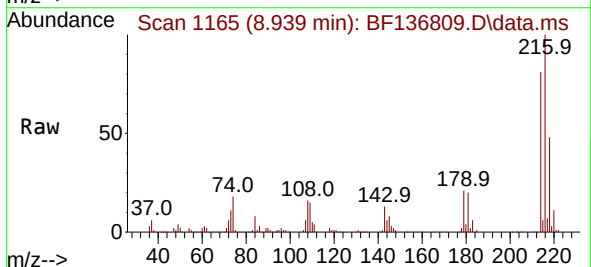
Tgt Ion:164 Resp: 123850  
Ion Ratio Lower Upper  
164 100  
162 99.2 81.6 122.4  
160 44.9 34.9 52.3

Manual Integrations  
APPROVED

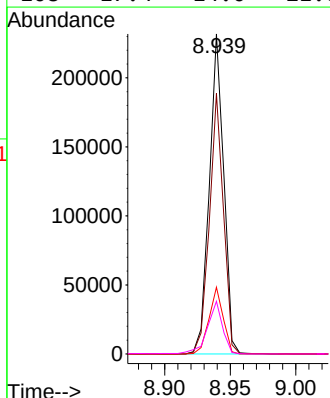
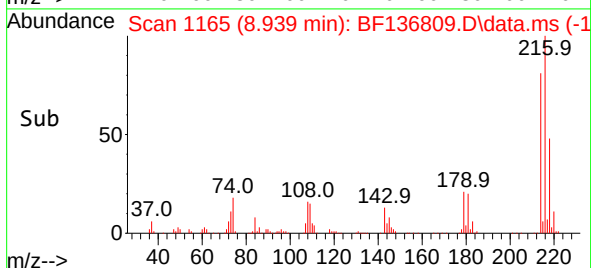
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

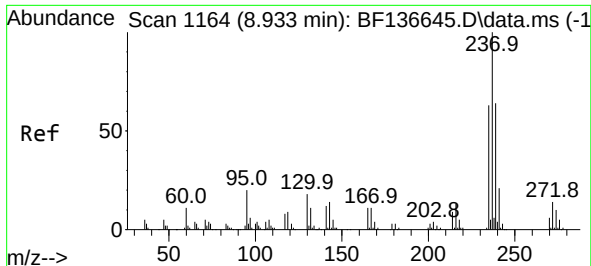


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.227 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



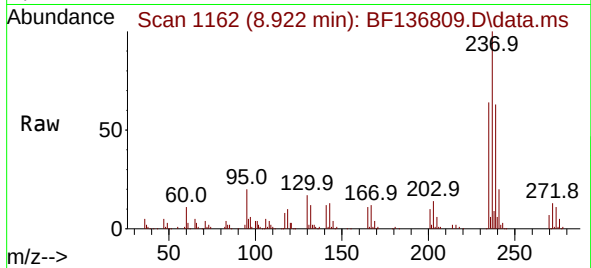
Tgt Ion:216 Resp: 177307  
Ion Ratio Lower Upper  
216 100  
214 79.4 62.3 93.5  
179 20.6 16.4 24.6  
108 17.4 14.0 21.0





#41  
Hexachlorocyclopentadiene  
Concen: 50.986 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

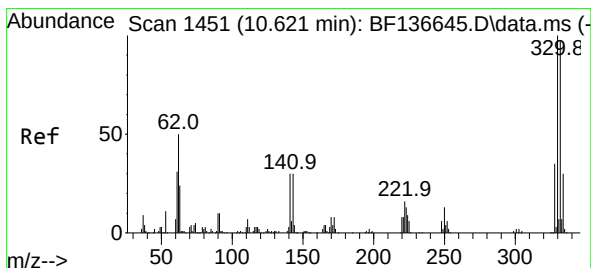
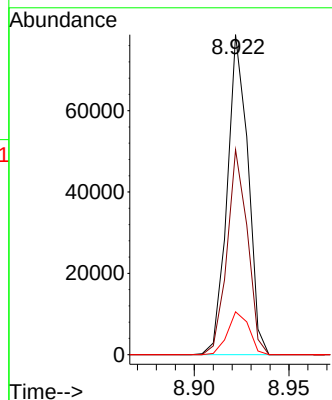
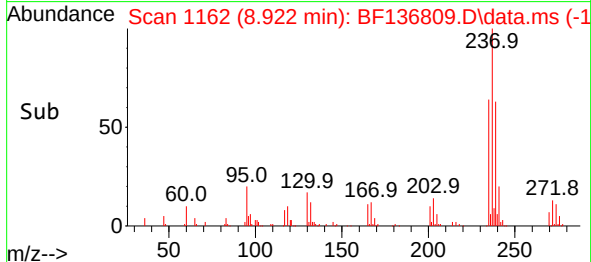
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



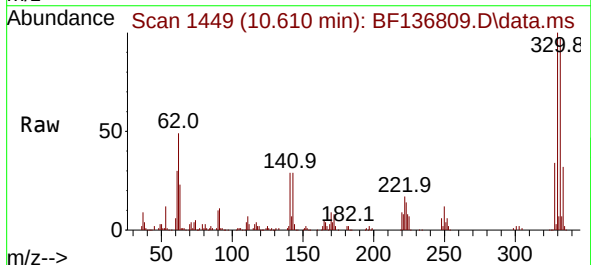
Tgt Ion: 237 Resp: 60035  
Ion Ratio Lower Upper  
237 100  
235 64.1 43.2 83.2  
272 13.4 0.0 34.2

Manual Integrations  
APPROVED

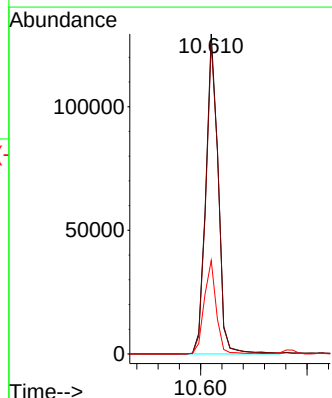
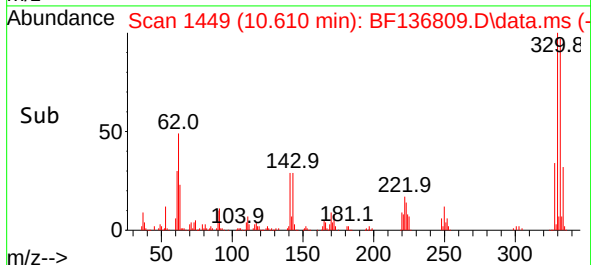
Reviewed By : Yogesh Patel 12/29/2023  
Supervised By : mohammad ahmed 12/29/2023



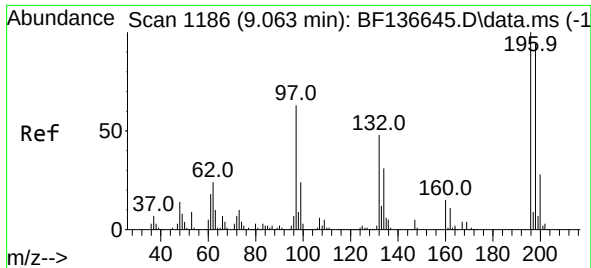
#42  
2,4,6-Tribromophenol  
Concen: 71.736 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion: 330 Resp: 104635  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.4 116.0  
141 28.5 23.4 35.2

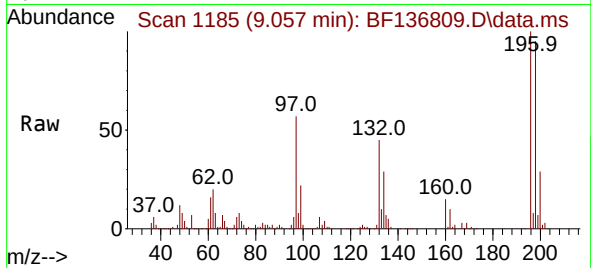






#43  
2,4,6-Trichlorophenol  
Concen: 43.595 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

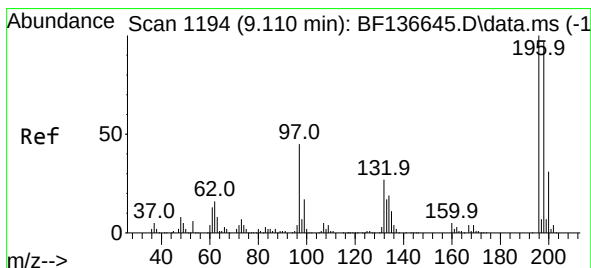
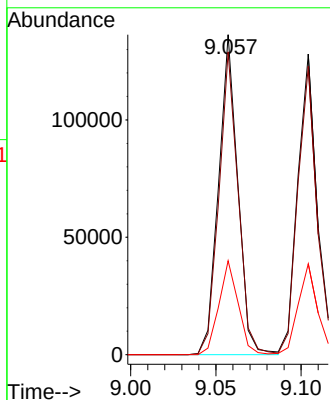
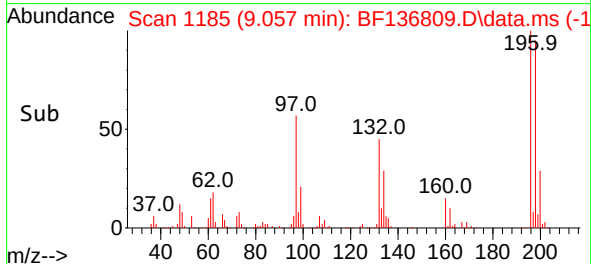
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



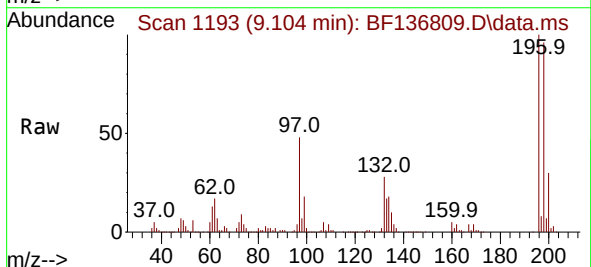
Tgt Ion:196 Resp: 107230  
Ion Ratio Lower Upper  
196 100  
198 94.7 75.1 112.7  
200 29.3 22.5 33.7

Manual Integrations  
APPROVED

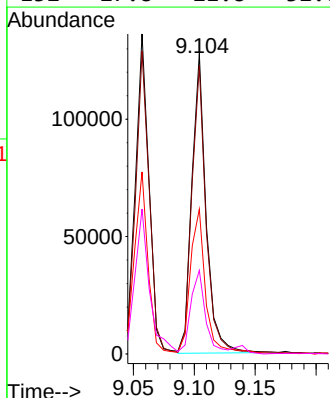
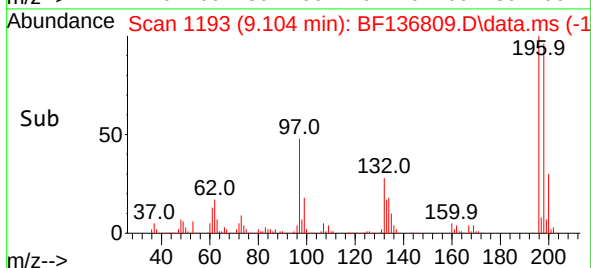
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

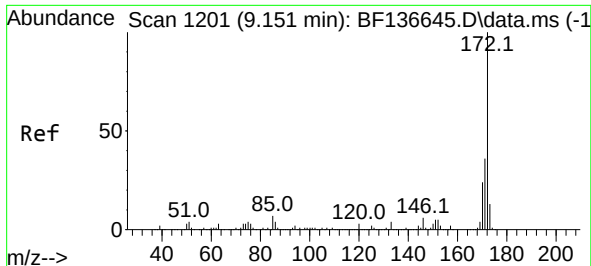


#44  
2,4,5-Trichlorophenol  
Concen: 38.203 ng  
RT: 9.104 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion:196 Resp: 104718  
Ion Ratio Lower Upper  
196 100  
198 95.9 77.0 115.6  
97 48.2 36.1 54.1  
132 27.8 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 62.972 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:172 Resp: 57986

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.6

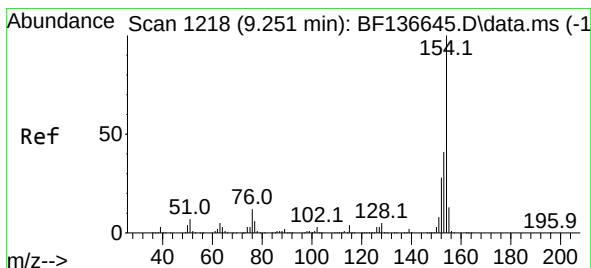
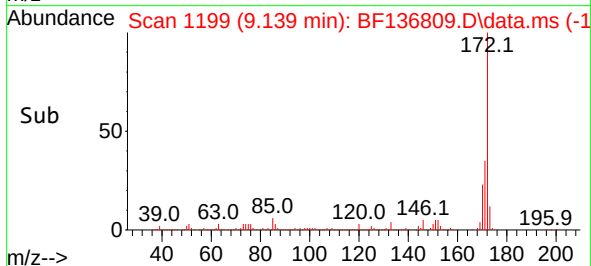
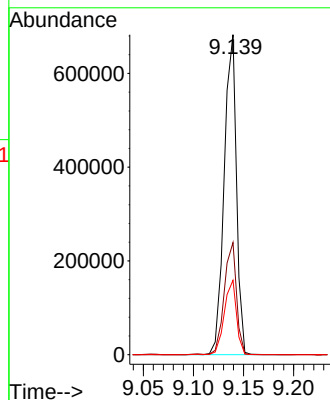
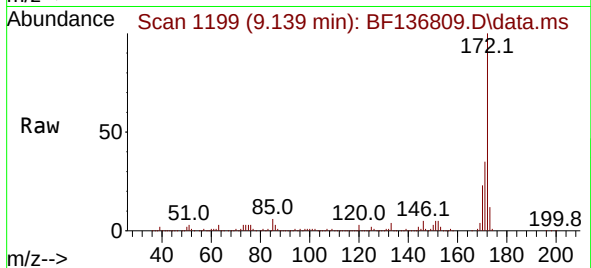
170 23.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#46

1,1'-Biphenyl

Concen: 45.558 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

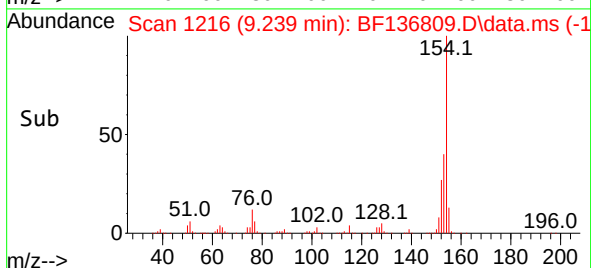
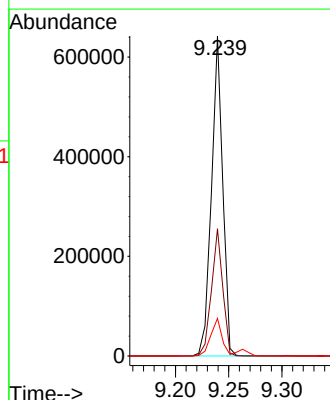
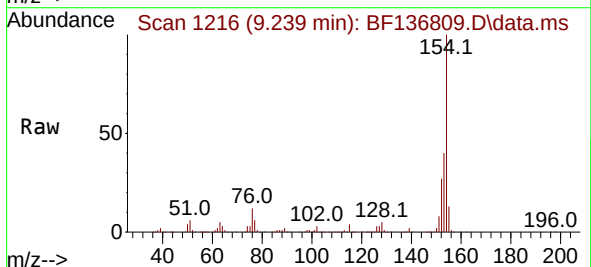
Tgt Ion:154 Resp: 473481

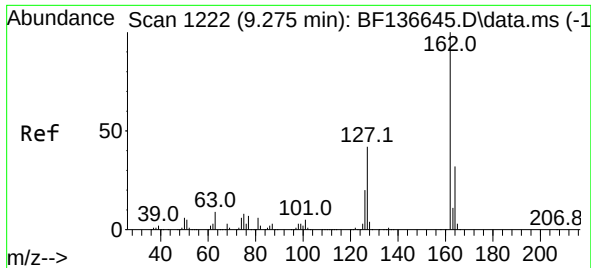
Ion Ratio Lower Upper

154 100

153 39.8 21.1 61.1

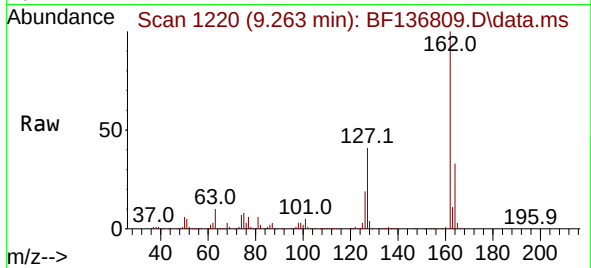
76 11.8 0.0 31.7





#47  
2-Chloronaphthalene  
Concen: 42.347 ng  
RT: 9.263 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

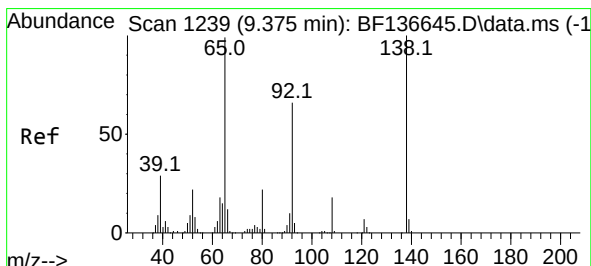
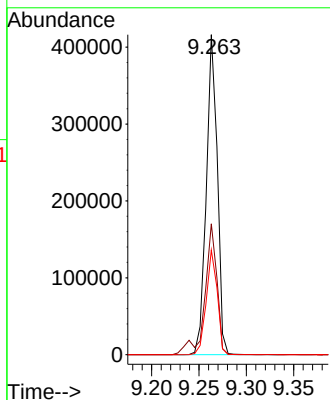
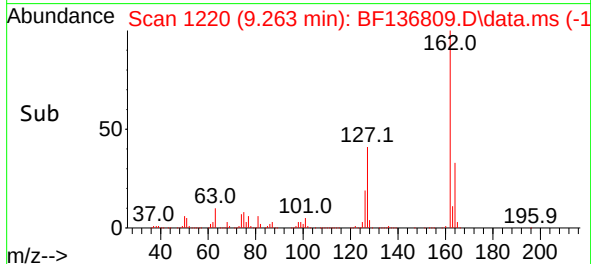
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:162 Resp: 33457  
Ion Ratio Lower Upper  
162 100  
127 40.9 33.6 50.4  
164 32.7 25.7 38.5

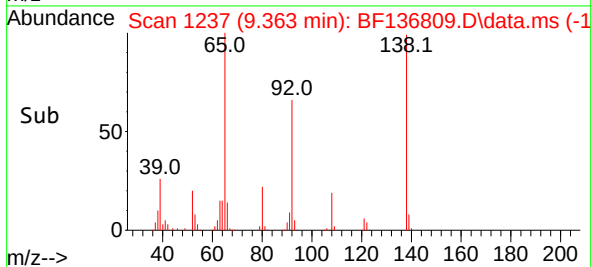
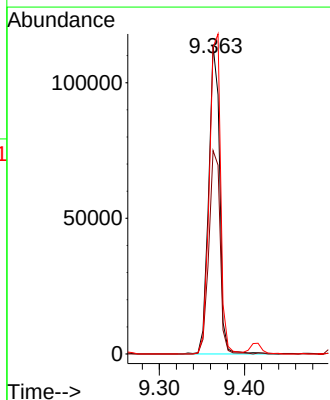
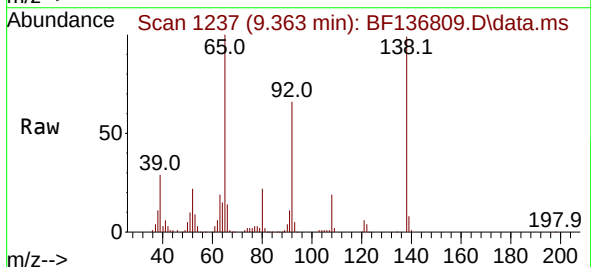
Manual Integrations  
APPROVED

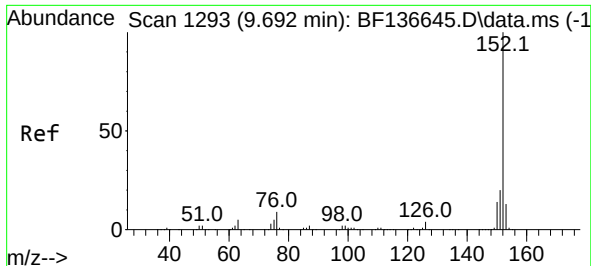
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#48  
2-Nitroaniline  
Concen: 41.115 ng  
RT: 9.363 min Scan# 1237  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion: 65 Resp: 101723  
Ion Ratio Lower Upper  
65 100  
92 65.9 53.2 79.8  
138 99.4 81.1 121.7





#49  
Acenaphthylene  
Concen: 43.864 ng  
RT: 9.681 min Scan# 1291  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

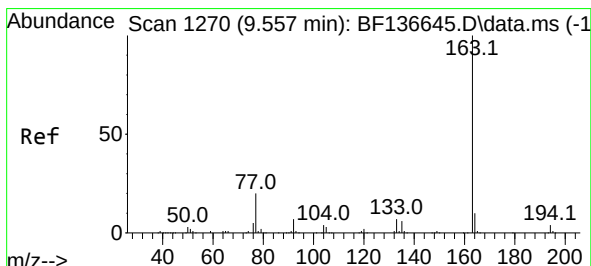
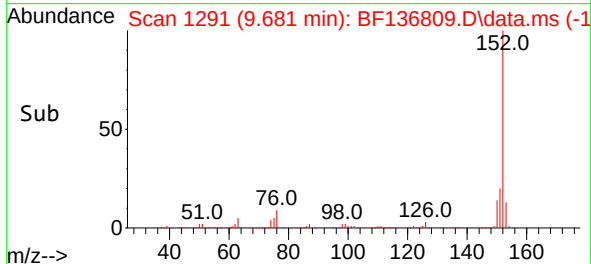
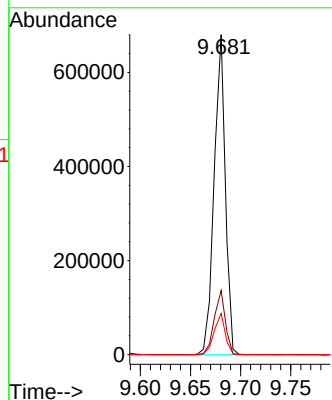
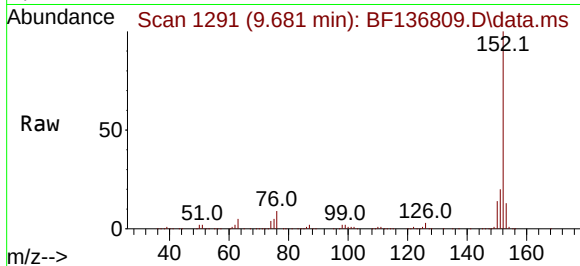
ClientSampleId :

TP-35MS

Tgt Ion:152 Resp: 529710  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.4  
153 12.9 10.2 15.2

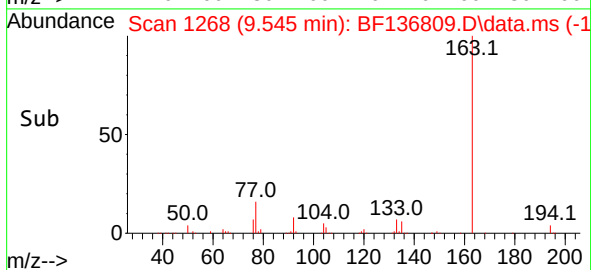
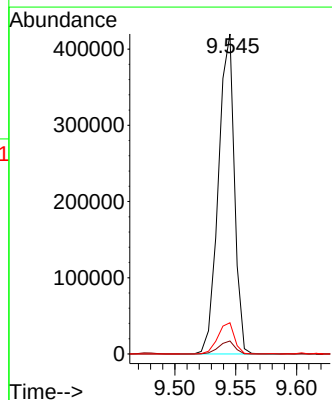
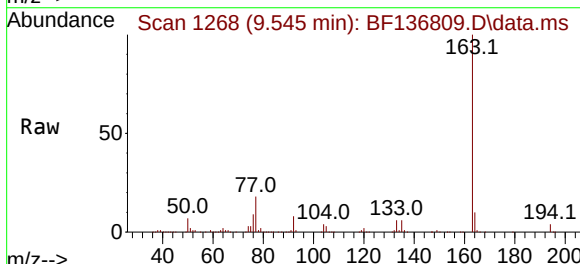
Manual Integrations  
APPROVED

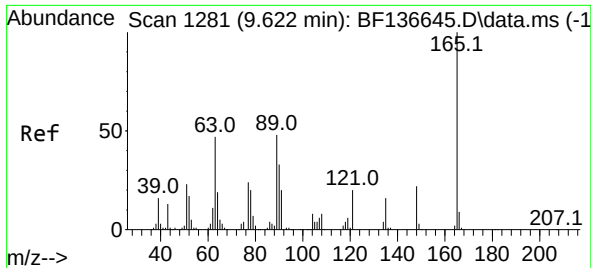
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#50  
Dimethylphthalate  
Concen: 42.624 ng  
RT: 9.545 min Scan# 1268  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:163 Resp: 385594  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 9.8 7.8 11.6





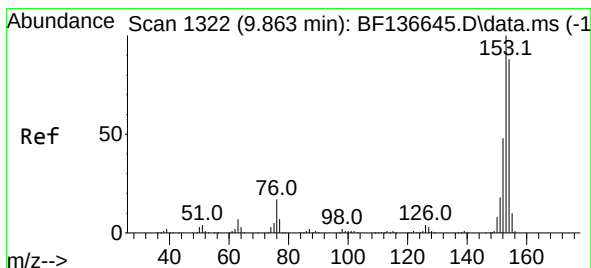
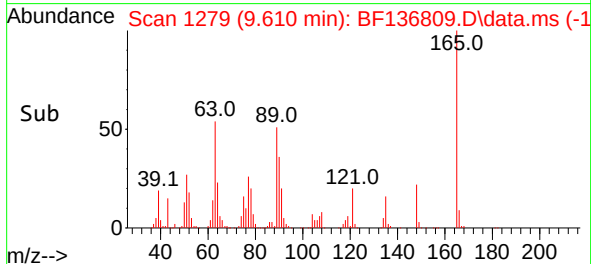
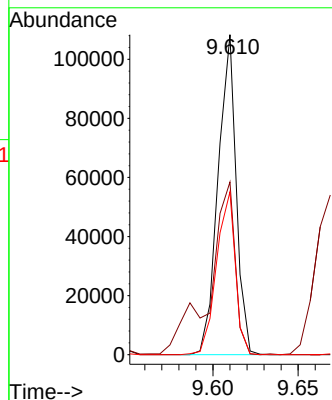
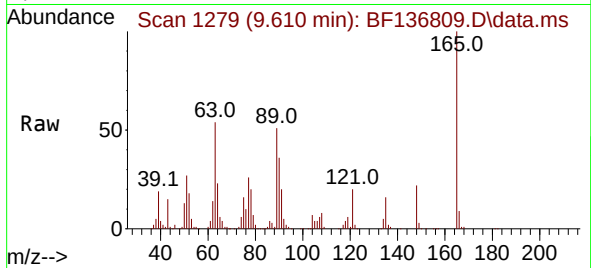
#51  
2,6-Dinitrotoluene  
Concen: 39.014 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:165 Resp: 80098  
Ion Ratio Lower Upper  
165 100  
63 54.0 39.8 59.6  
89 50.9 38.8 58.2

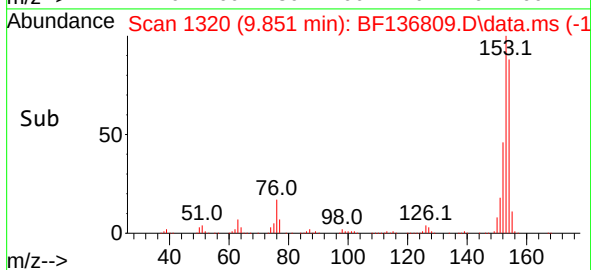
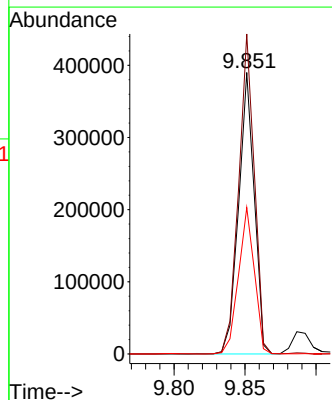
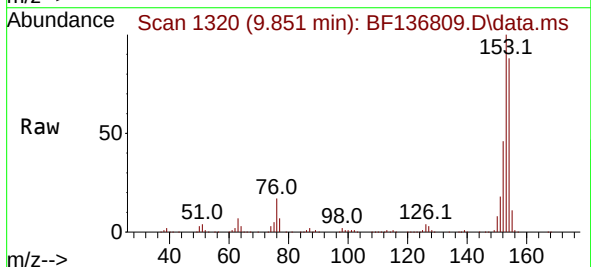
Manual Integrations  
APPROVED

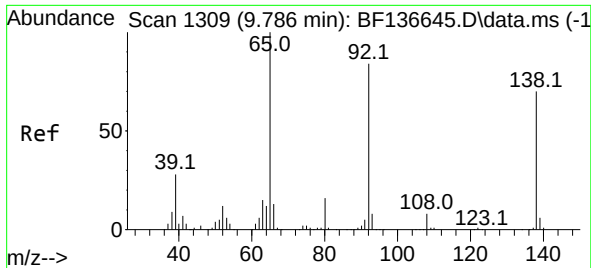
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#52  
Acenaphthene  
Concen: 40.160 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:154 Resp: 300631  
Ion Ratio Lower Upper  
154 100  
153 113.7 90.7 136.1  
152 52.1 43.7 65.5





#53  
3-Nitroaniline  
Concen: 29.904 ng  
RT: 9.775 min Scan# 1307  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

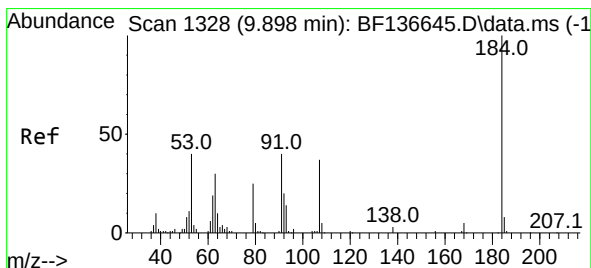
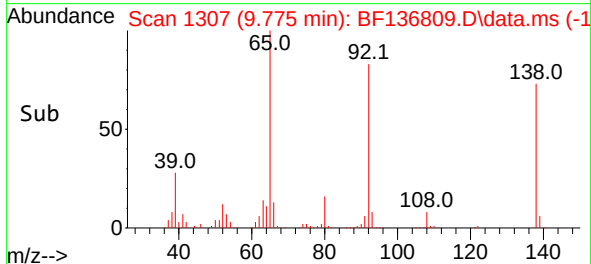
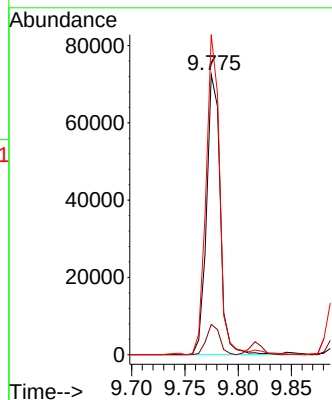
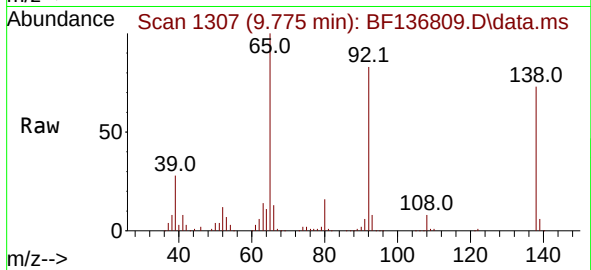
TP-35MS

Tgt Ion:138 Resp: 65030  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.6 12.8  
92 114.3 95.2 142.8

Manual Integrations

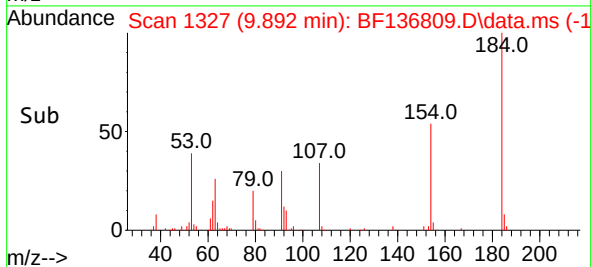
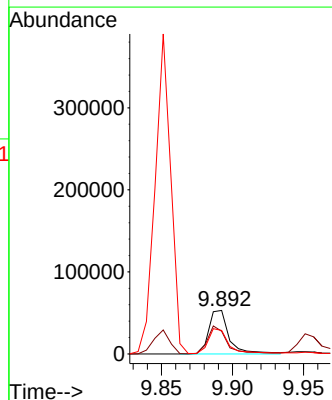
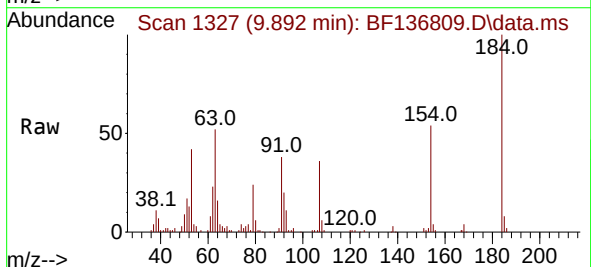
APPROVED

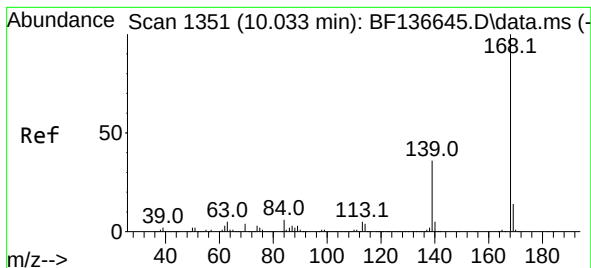
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#54  
2,4-Dinitrophenol  
Concen: 48.240 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:184 Resp: 53120  
Ion Ratio Lower Upper  
184 100  
63 52.2 40.9 61.3  
154 54.2 42.7 64.1





#55

Dibenzenofuran

Concen: 39.926 ng

RT: 10.028 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:168 Resp: 45306

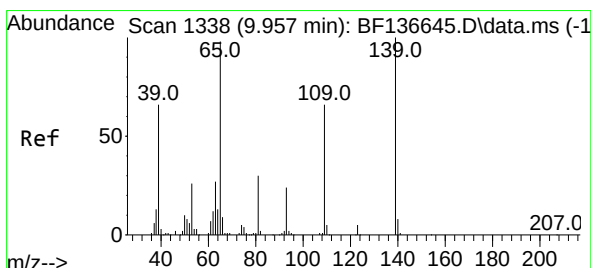
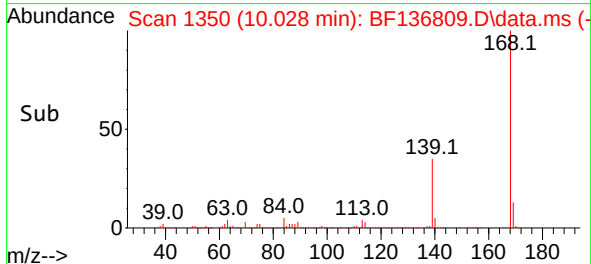
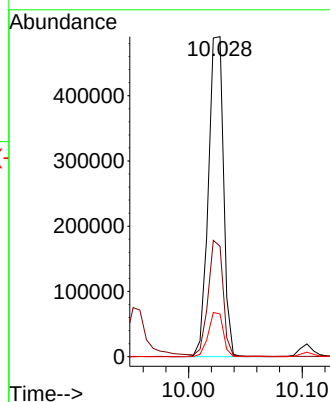
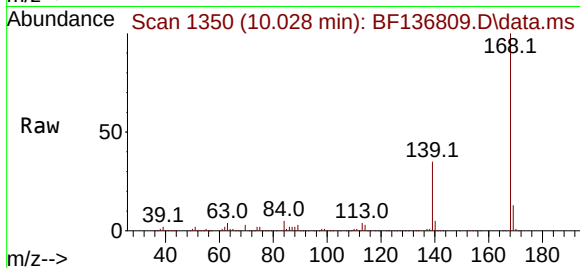
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 34.5  | 29.3  | 43.9  |
| 169 | 13.4  | 11.0  | 16.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#56

4-Nitrophenol

Concen: 59.228 ng

RT: 9.951 min Scan# 1337

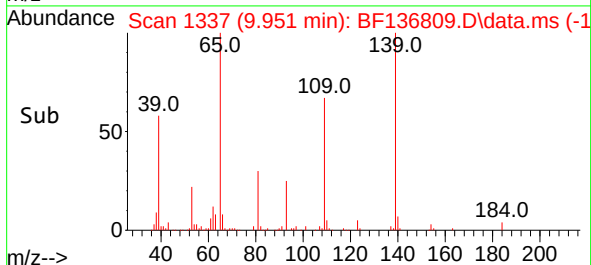
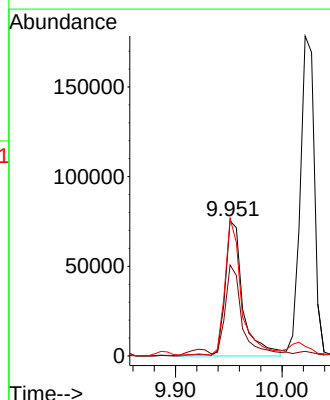
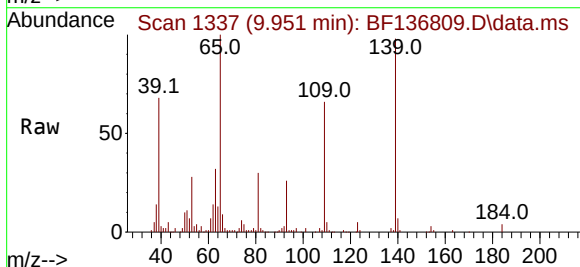
Delta R.T. -0.006 min

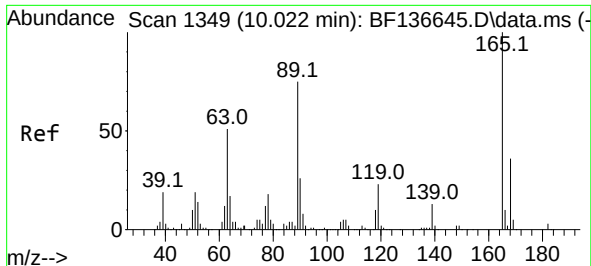
Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Tgt Ion:139 Resp: 86956

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 67.4  | 45.8  | 85.8  |
| 65  | 101.8 | 77.8  | 117.8 |





#57  
2,4-Dinitrotoluene  
Concen: 35.453 ng  
RT: 10.016 min Scan# 1408  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

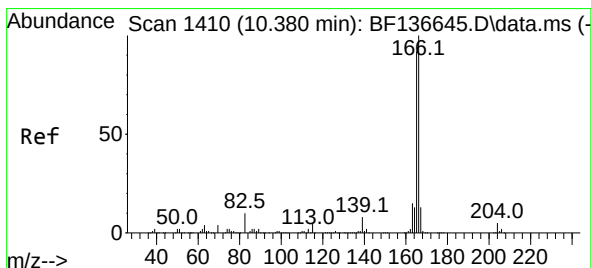
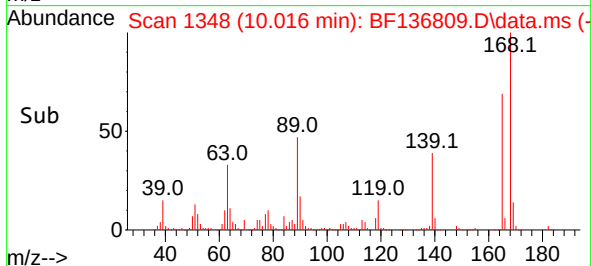
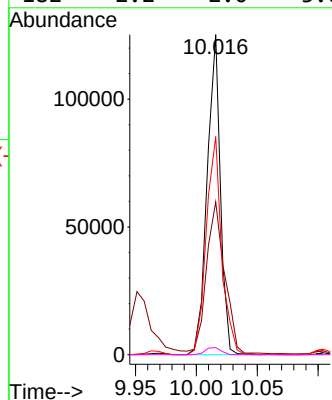
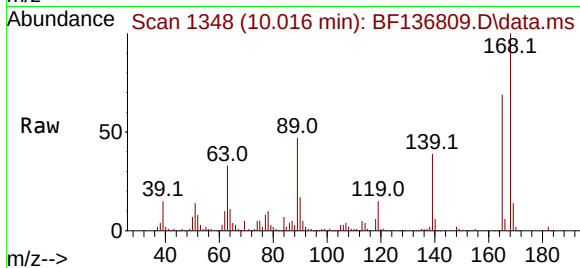
TP-35MS

Tgt Ion:165 Resp: 9449  
Ion Ratio Lower Upper  
165 100  
63 47.8 41.0 61.6  
89 68.2 59.9 89.9  
182 2.2 2.0 3.0

Manual Integrations

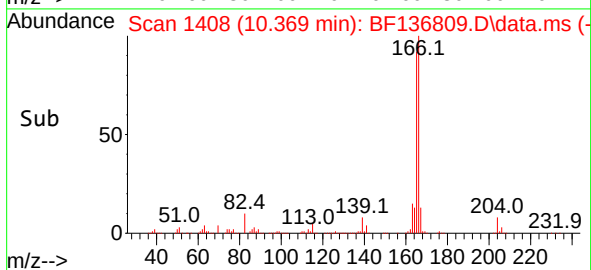
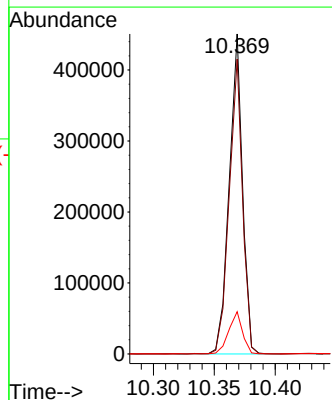
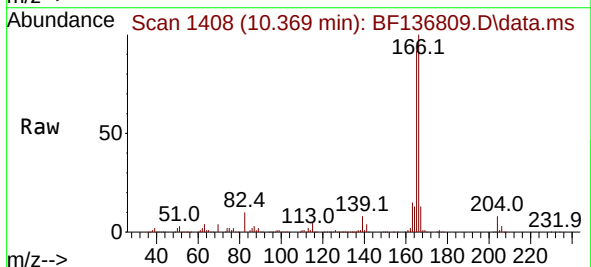
APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023

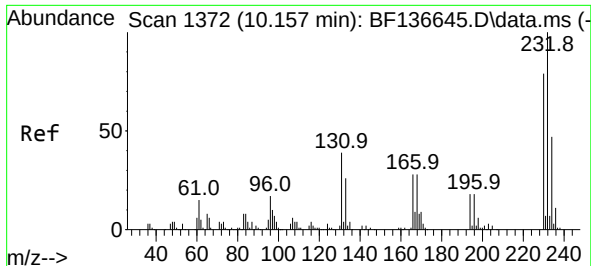


#58  
Fluorene  
Concen: 38.220 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:166 Resp: 344128  
Ion Ratio Lower Upper  
166 100  
165 92.1 73.7 110.5  
167 13.2 10.4 15.6

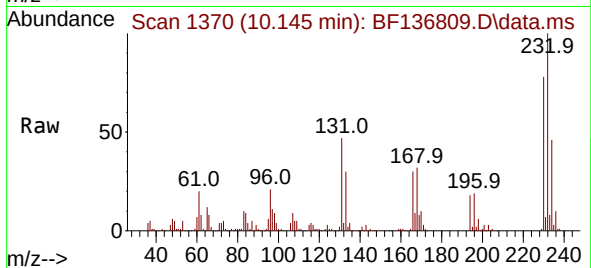






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.282 ng  
RT: 10.145 min Scan# 1372  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

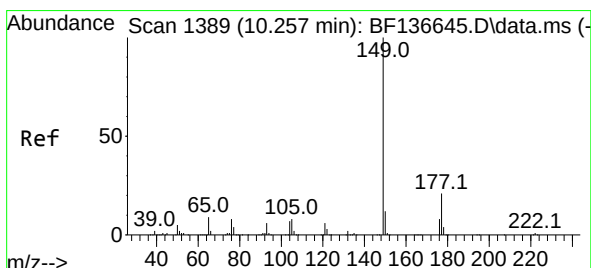
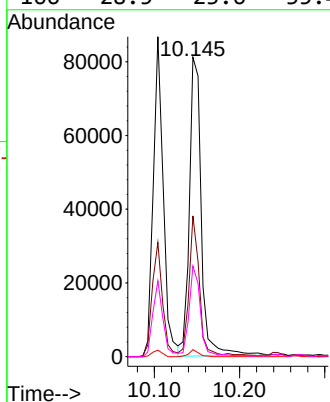
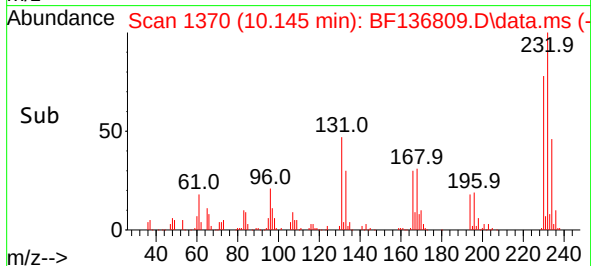
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:232 Resp: 7866  
Ion Ratio Lower Upper  
232 100  
131 38.8 35.1 52.7  
130 1.9 1.6 2.4  
166 28.5 23.6 35.4

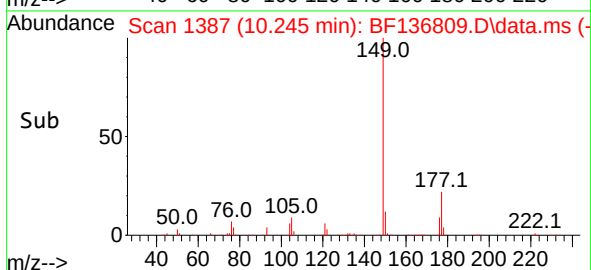
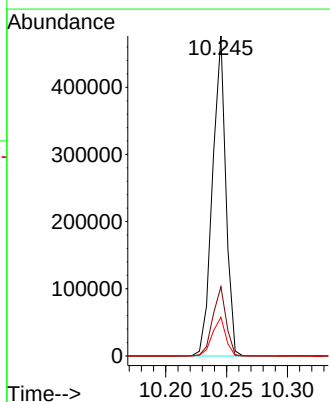
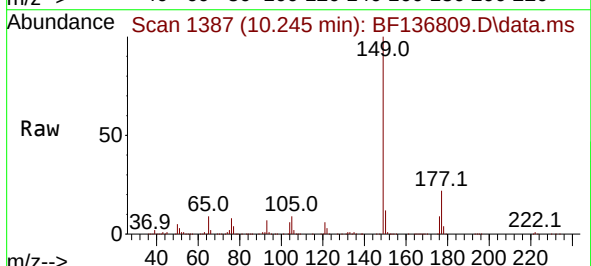
Manual Integrations  
APPROVED

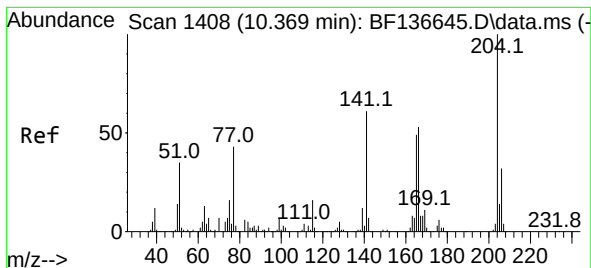
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#60  
Diethylphthalate  
Concen: 38.745 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

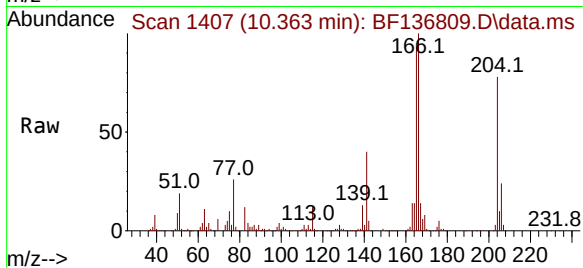
Tgt Ion:149 Resp: 363662  
Ion Ratio Lower Upper  
149 100  
177 21.7 16.9 25.3  
150 12.1 9.3 13.9





#61  
4-Chlorophenyl-phenylether  
Concen: 38.432 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

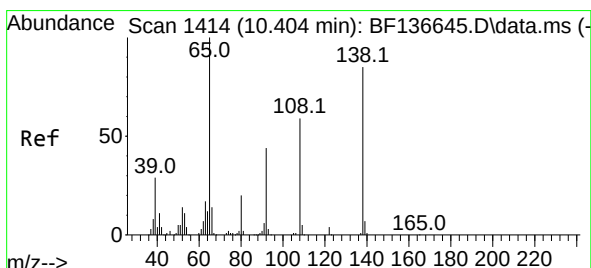
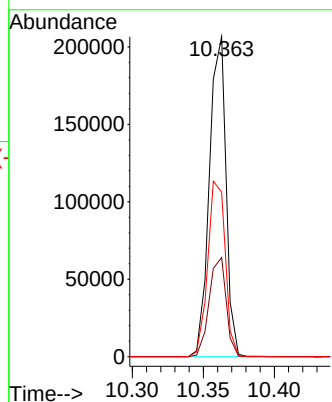
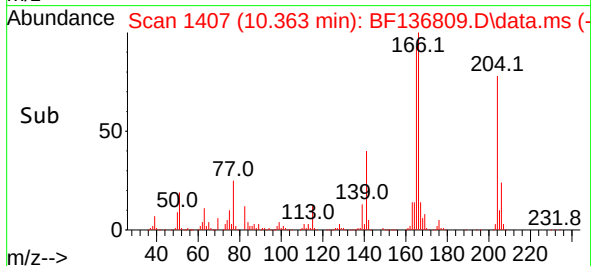
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:204 Resp: 168199  
Ion Ratio Lower Upper  
204 100  
206 31.0 25.6 38.4  
141 51.4 48.4 72.6

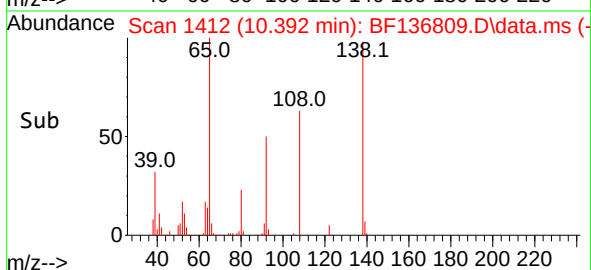
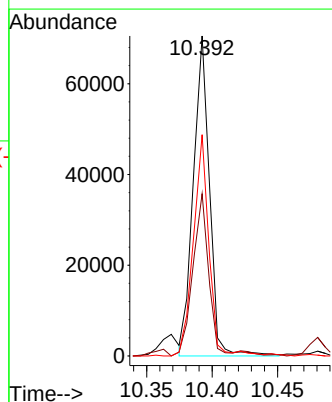
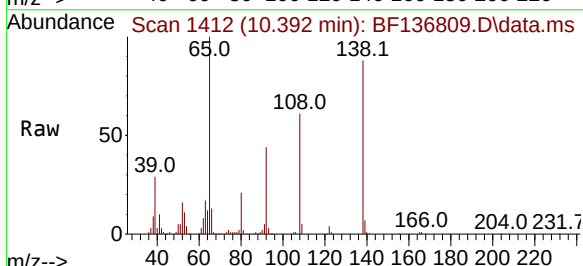
Manual Integrations  
APPROVED

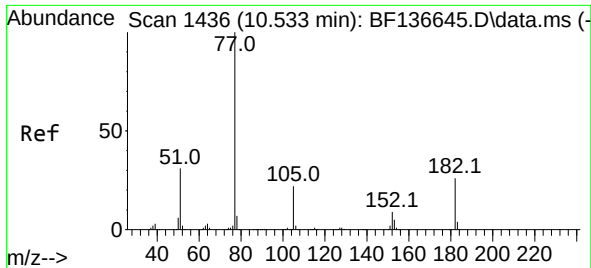
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#62  
4-Nitroaniline  
Concen: 29.046 ng m  
RT: 10.392 min Scan# 1412  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

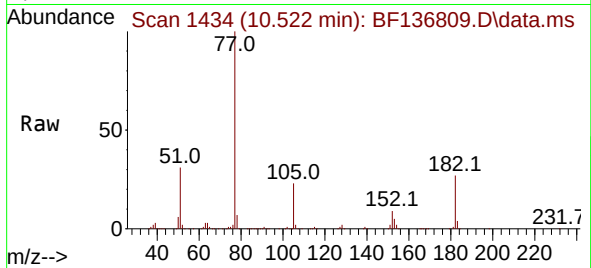
Tgt Ion:138 Resp: 60898  
Ion Ratio Lower Upper  
138 100  
92 50.7 32.1 72.1  
108 69.1 50.1 90.1





#63  
Azobenzene  
Concen: 36.153 ng  
RT: 10.522 min Scan# 1436  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

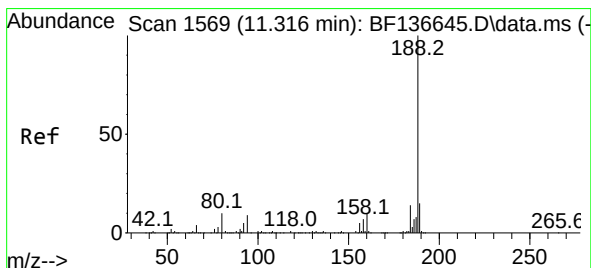
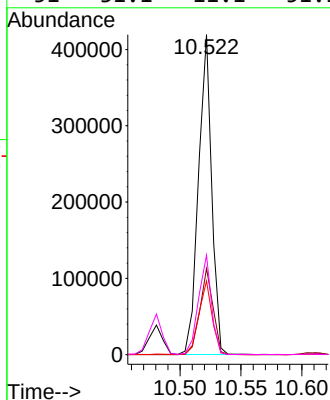
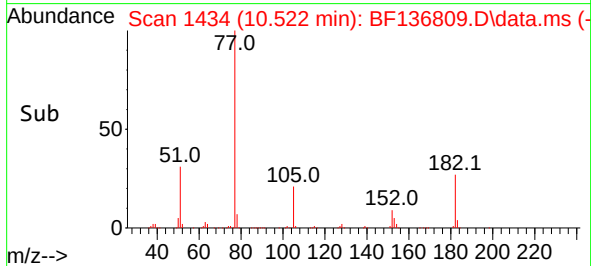
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion: 77 Resp: 316938  
Ion Ratio Lower Upper  
77 100  
182 26.9 6.0 46.0  
105 23.1 2.3 42.3  
51 31.1 11.1 51.1

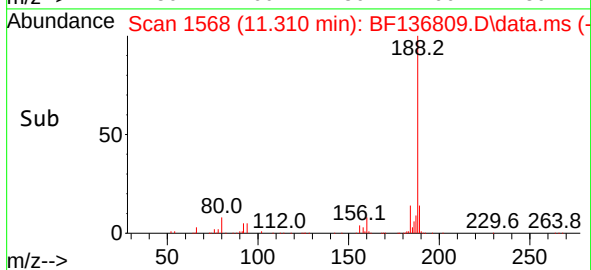
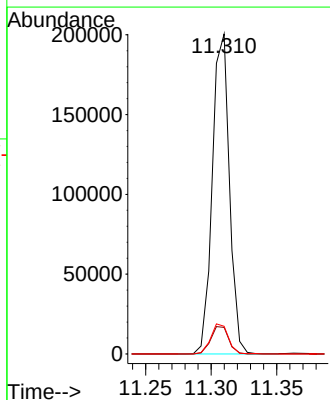
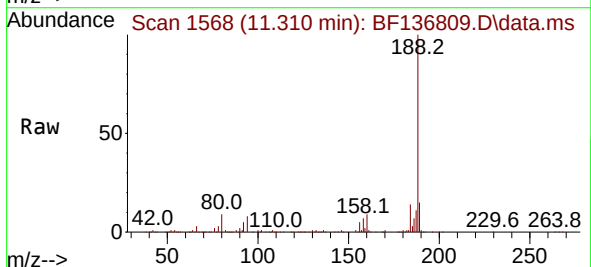
Manual Integrations  
APPROVED

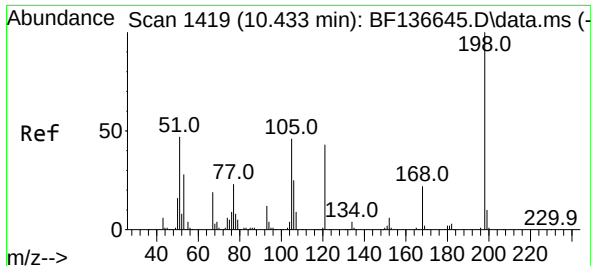
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:188 Resp: 181640  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.5 11.3  
80 8.7 8.1 12.1





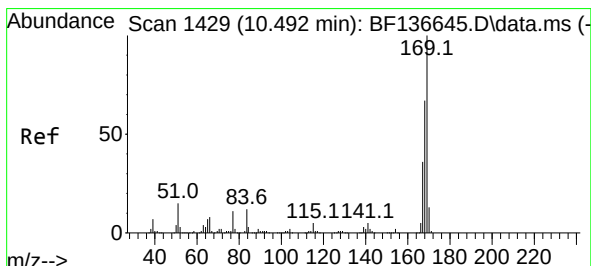
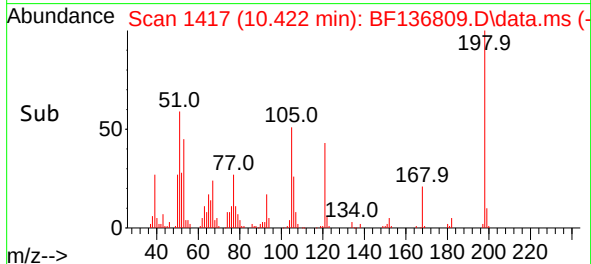
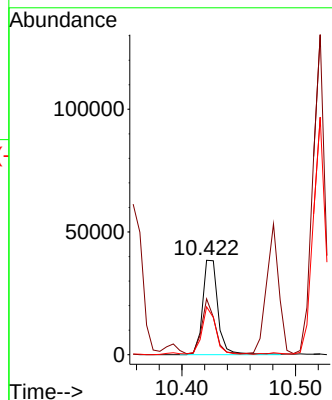
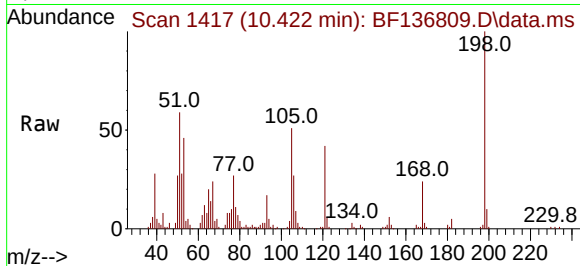
#65  
4,6-Dinitro-2-methylphenol  
Concen: 34.718 ng  
RT: 10.422 min Scan# 1419  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:198 Resp: 3614  
Ion Ratio Lower Upper  
198 100  
51 59.2 34.1 74.1  
105 50.7 27.3 67.3

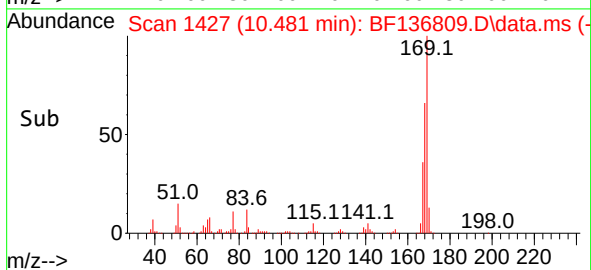
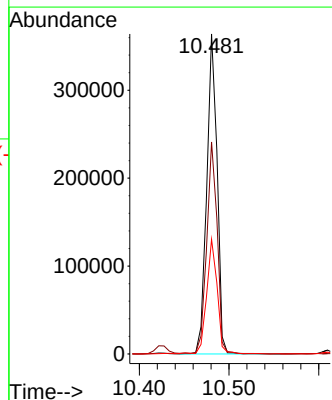
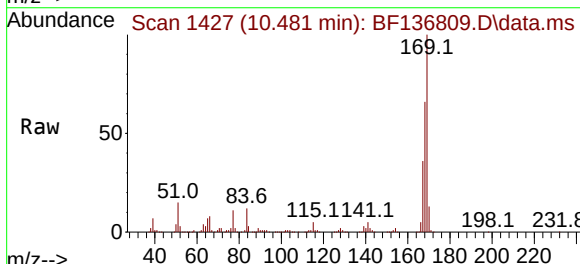
Manual Integrations  
APPROVED

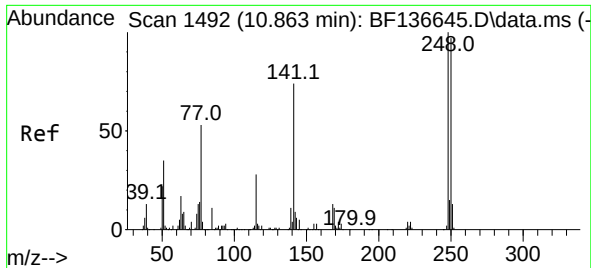
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#66  
n-Nitrosodiphenylamine  
Concen: 49.459 ng  
RT: 10.481 min Scan# 1427  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:169 Resp: 291831  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.8 80.6  
167 35.9 28.7 43.1





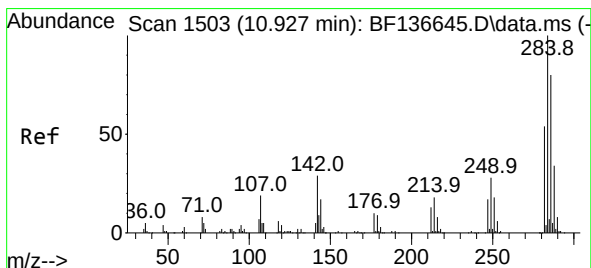
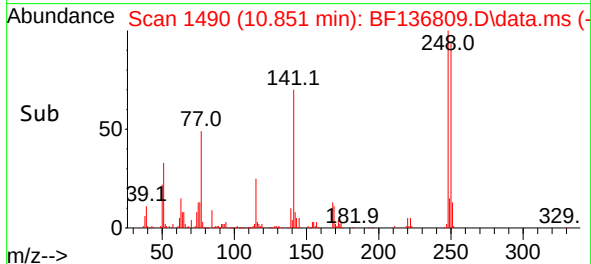
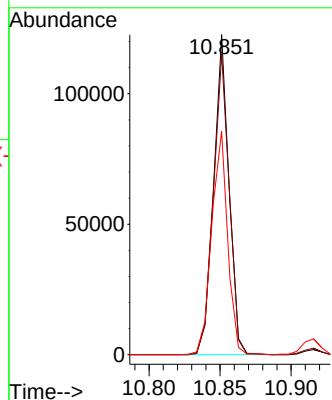
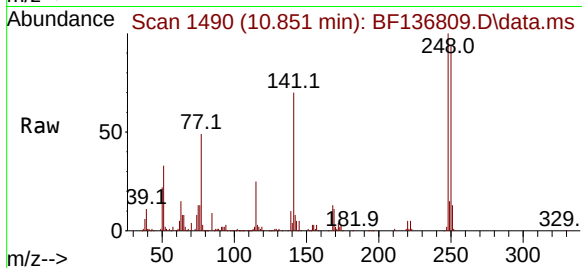
#67  
4-Bromophenyl-phenylether  
Concen: 45.980 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:248 Resp: 92754  
Ion Ratio Lower Upper  
248 100  
250 94.1 77.8 116.6  
141 69.8 59.2 88.8

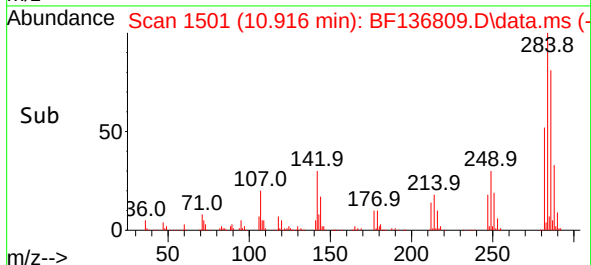
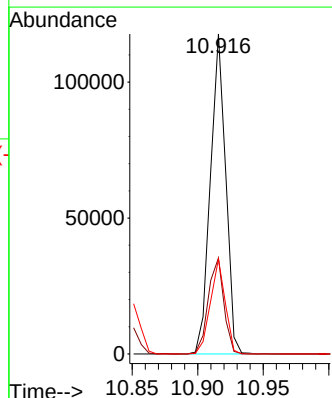
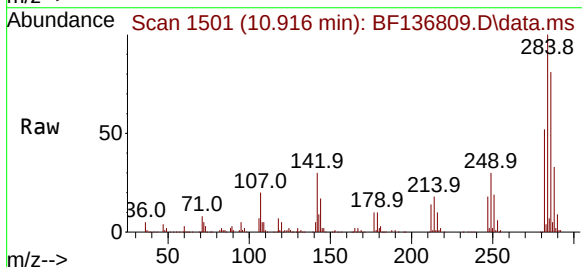
Manual Integrations  
APPROVED

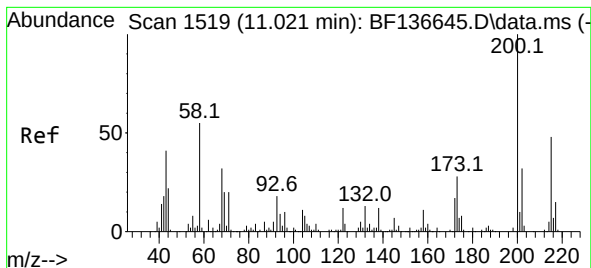
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#68  
Hexachlorobenzene  
Concen: 42.511 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:284 Resp: 95567  
Ion Ratio Lower Upper  
284 100  
142 30.0 23.4 35.0  
249 29.7 22.3 33.5





#69

Atrazine

Concen: 53.003 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:200 Resp: 7999

Ion Ratio Lower Upper

200 100

173 26.3 7.6 47.6

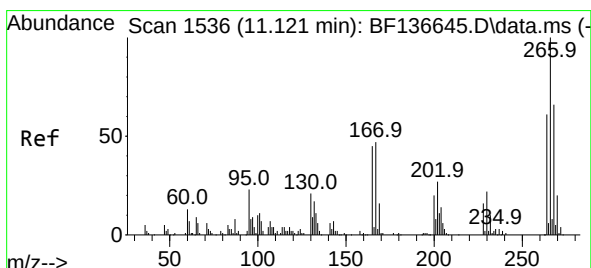
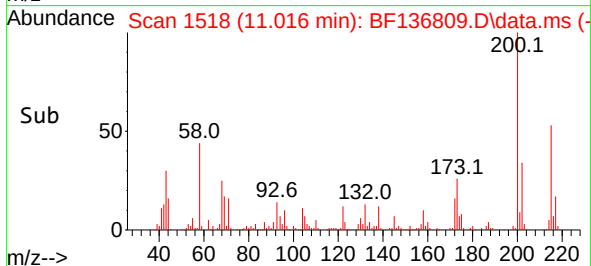
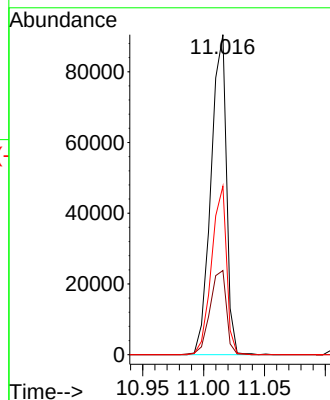
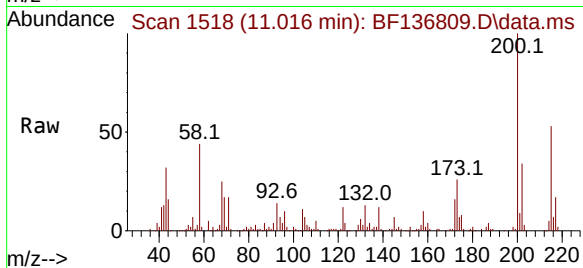
215 52.6 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#70

Pentachlorophenol

Concen: 76.161 ng

RT: 11.116 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

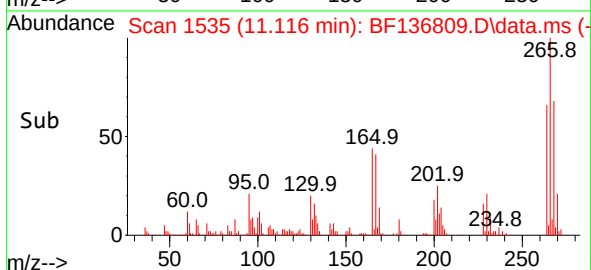
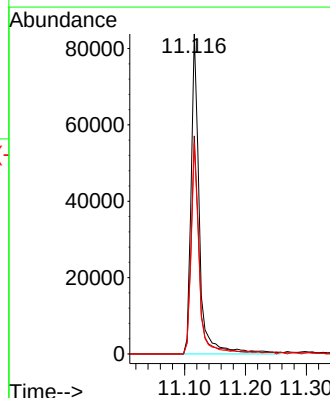
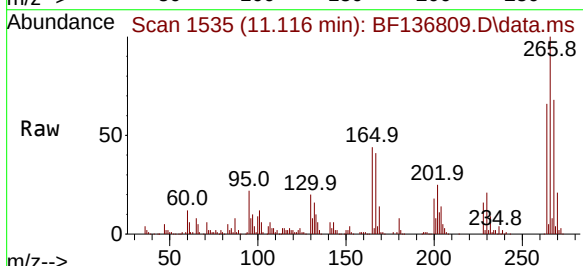
Tgt Ion:266 Resp: 79804

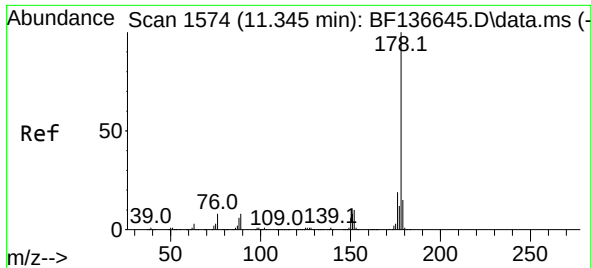
Ion Ratio Lower Upper

266 100

268 68.2 52.6 78.8

264 65.8 49.0 73.4





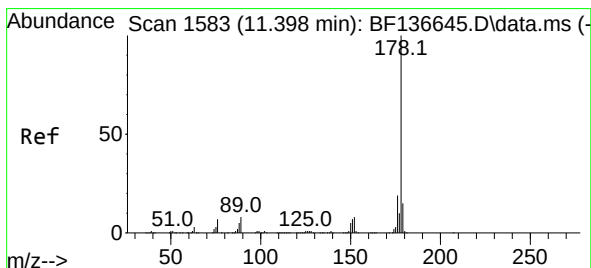
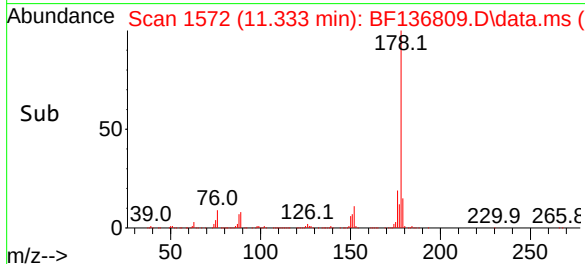
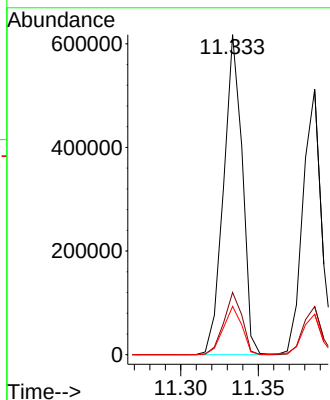
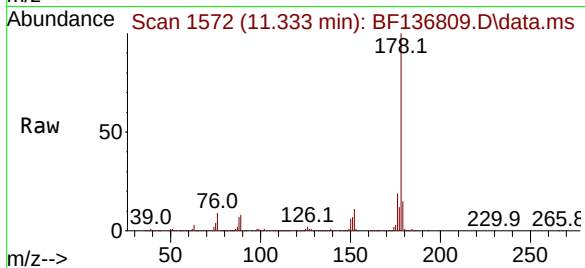
#71  
Phenanthrene  
Concen: 55.483 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:178 Resp: 51710  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.1 11.9 17.9

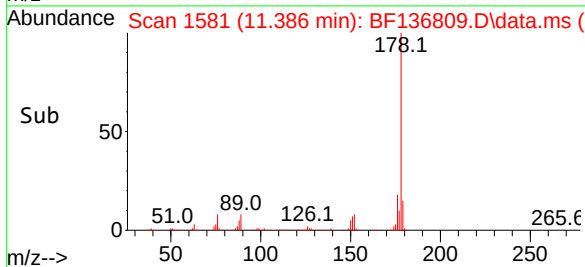
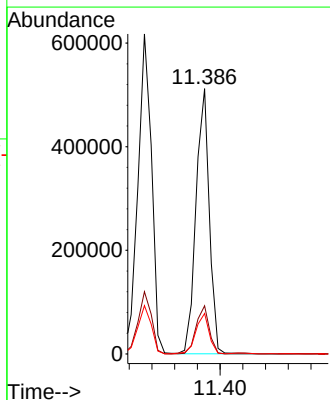
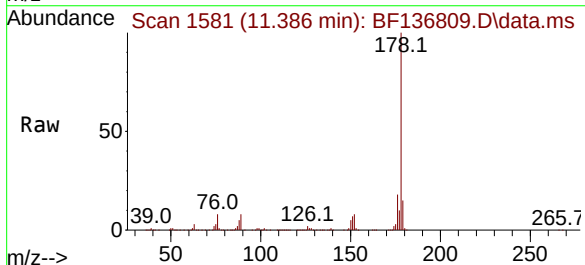
Manual Integrations  
APPROVED

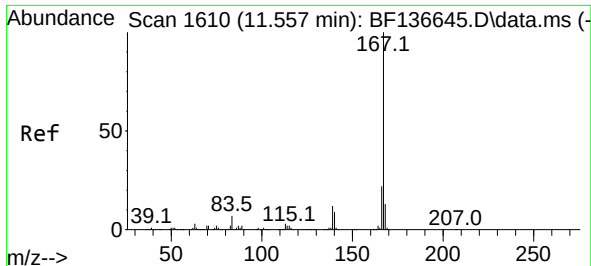
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#72  
Anthracene  
Concen: 44.363 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

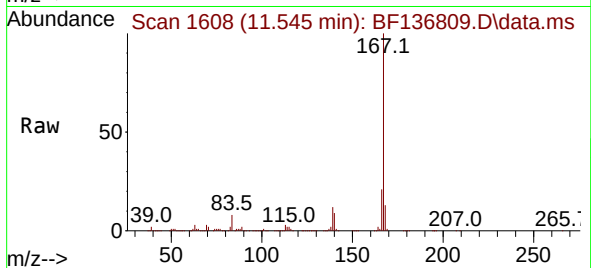
Tgt Ion:178 Resp: 418730  
Ion Ratio Lower Upper  
178 100  
176 18.2 14.9 22.3  
179 15.3 11.8 17.6





#73  
 Carbazole  
 Concen: 41.299 ng  
 RT: 11.545 min Scan# 1608  
 Delta R.T. -0.012 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24

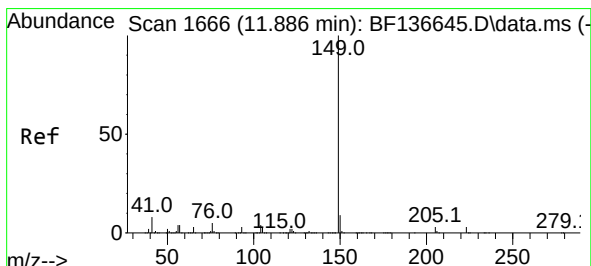
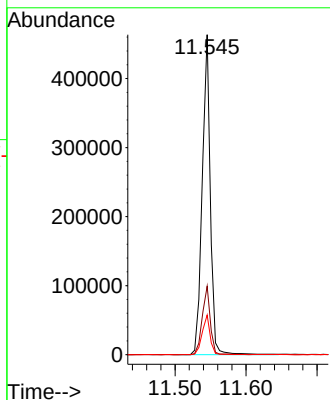
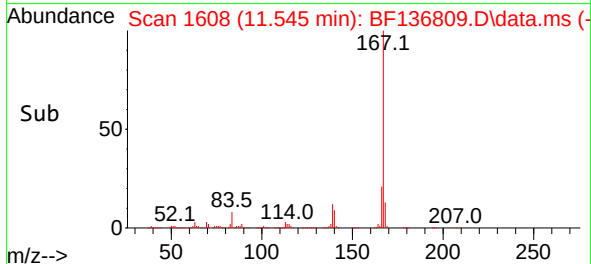
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-35MS



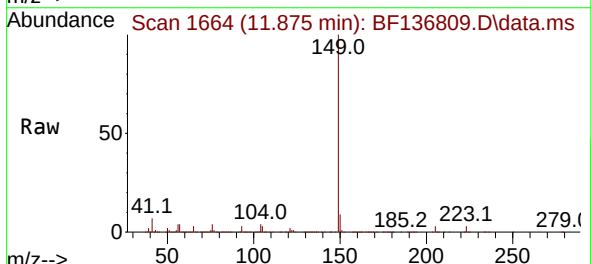
Tgt Ion:167 Resp: 36752  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.3 25.9  
 139 12.4 9.8 14.6

Manual Integrations  
 APPROVED

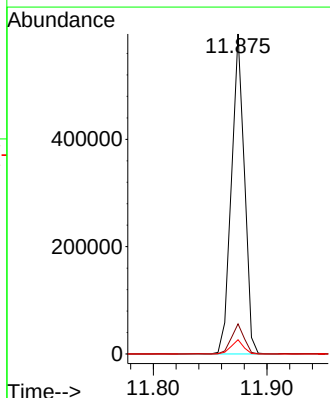
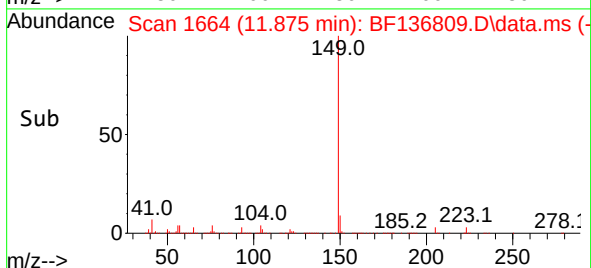
Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023



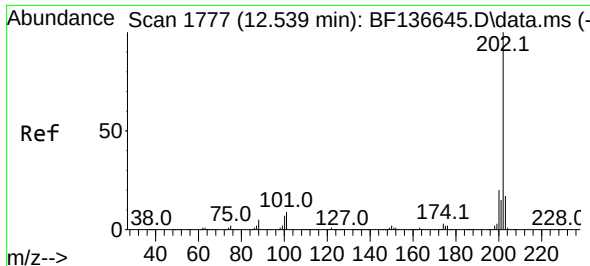
#74  
 Di-n-butylphthalate  
 Concen: 43.475 ng  
 RT: 11.875 min Scan# 1664  
 Delta R.T. -0.012 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24



Tgt Ion:149 Resp: 472094  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.2  
 104 4.5 3.6 5.4

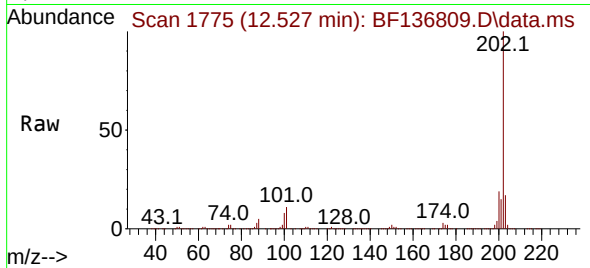






#75  
Fluoranthene  
Concen: 60.452 ng  
RT: 12.527 min Scan# 1775  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

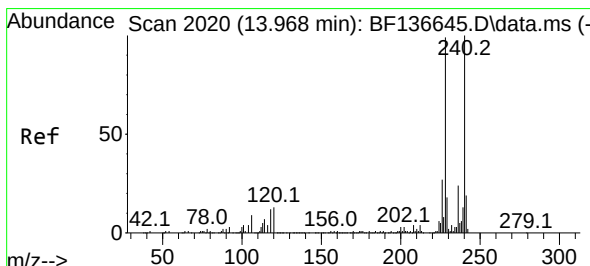
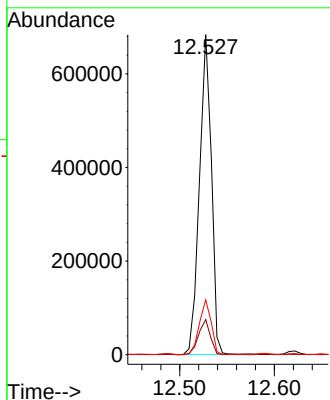
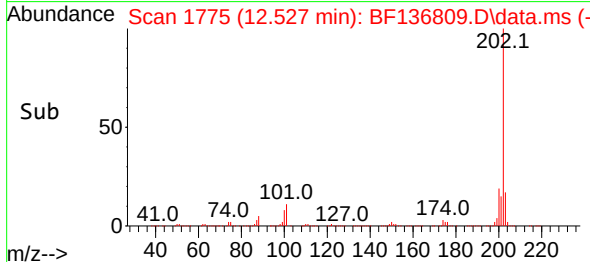
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:202 Resp: 602658  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 29.3  
203 17.2 0.0 37.1

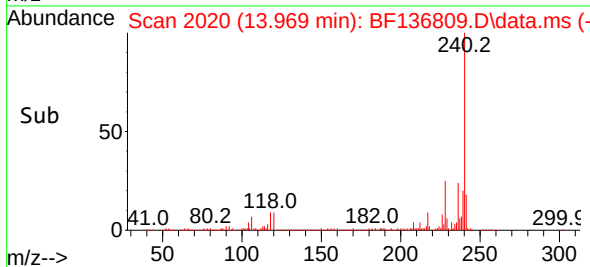
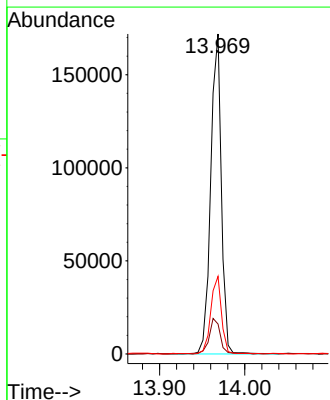
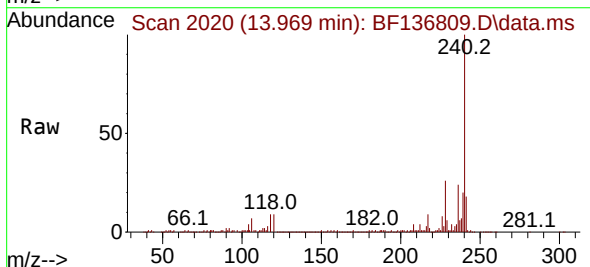
Manual Integrations  
APPROVED

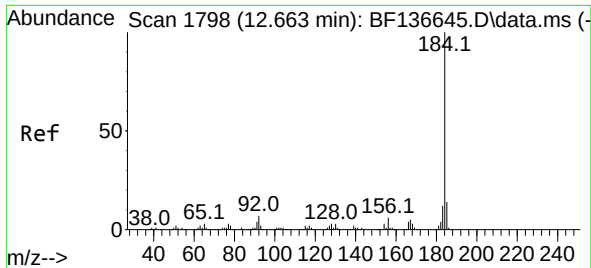
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.969 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:240 Resp: 148877  
Ion Ratio Lower Upper  
240 100  
120 9.3 10.3 15.5#  
236 24.3 19.4 29.2





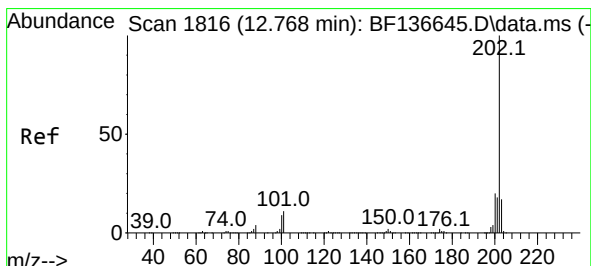
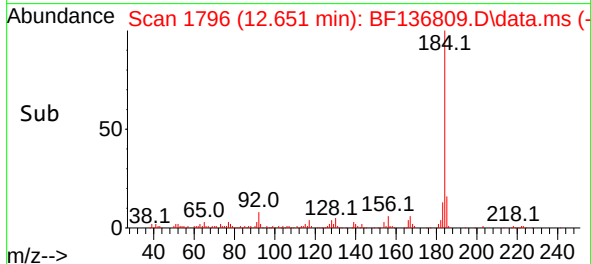
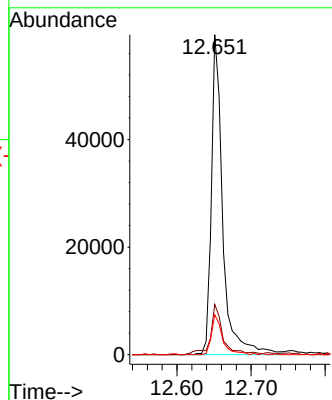
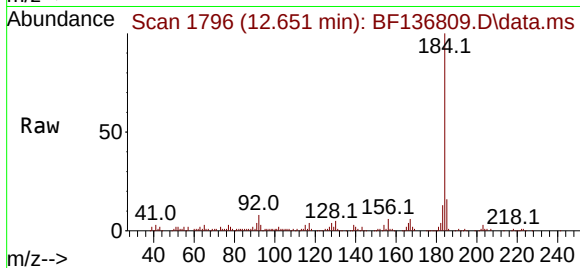
#77  
Benzidine  
Concen: 14.455 ng  
RT: 12.651 min Scan# 1796  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS

Tgt Ion:184 Resp: 6345  
Ion Ratio Lower Upper  
184 100  
185 15.7 11.2 16.8  
183 12.5 9.3 13.9

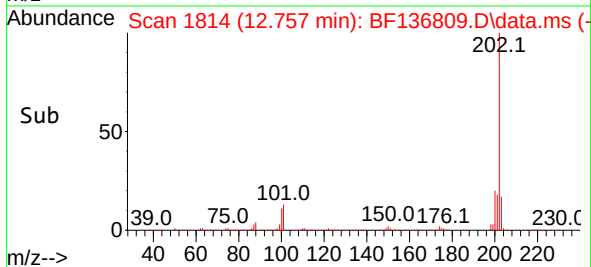
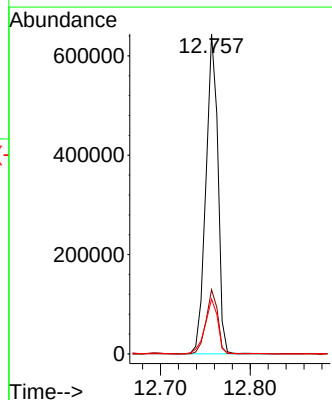
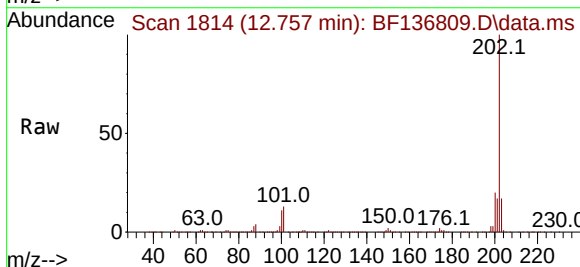
Manual Integrations  
APPROVED

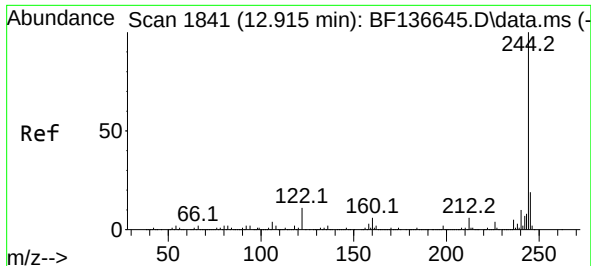
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#78  
Pyrene  
Concen: 40.789 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. -0.012 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:202 Resp: 596129  
Ion Ratio Lower Upper  
202 100  
200 20.1 15.9 23.9  
203 17.1 13.8 20.6





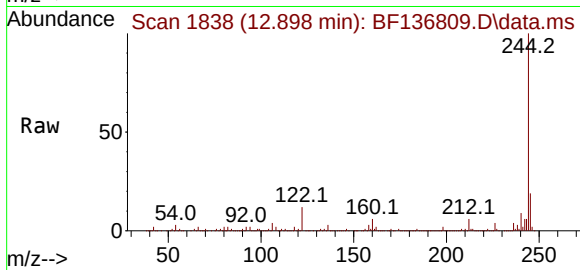
#79  
 Terphenyl-d14  
 Concen: 39.551 ng  
 RT: 12.898 min Scan# 1838  
 Delta R.T. -0.017 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

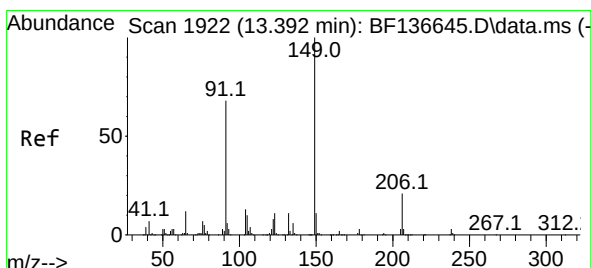
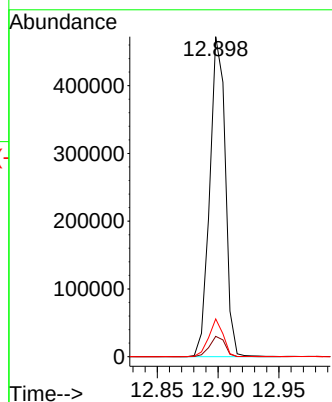
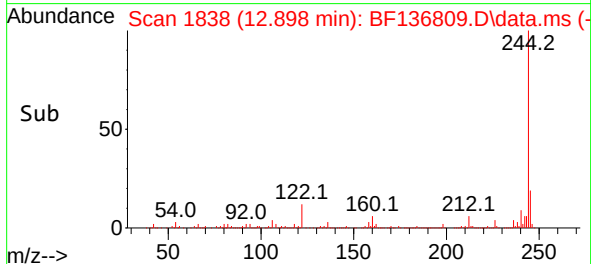


Tgt Ion:244 Resp: 421340  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.0 7.4  
 122 11.8 9.0 13.4

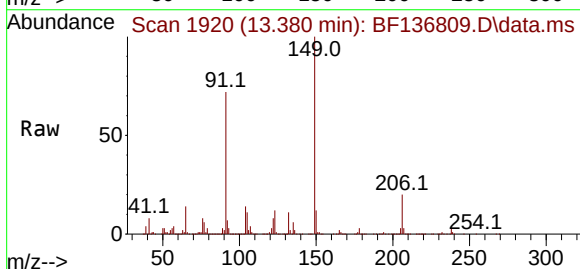
Manual Integrations

APPROVED

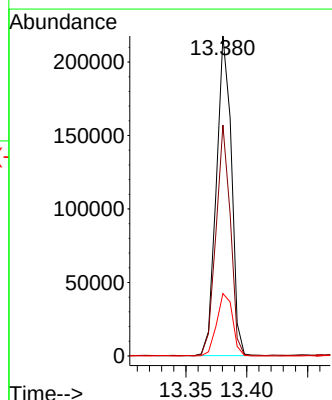
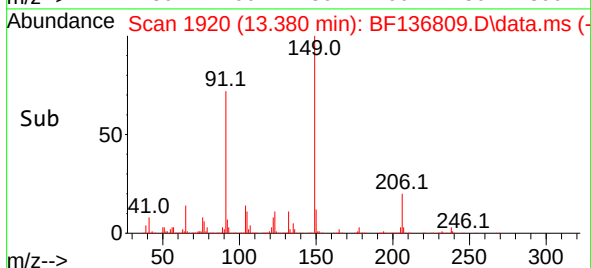
Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023

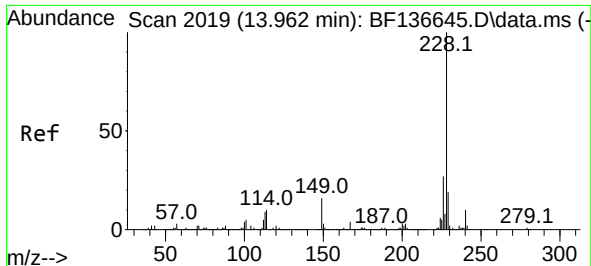


#80  
 Butylbenzylphthalate  
 Concen: 35.100 ng  
 RT: 13.380 min Scan# 1920  
 Delta R.T. -0.012 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24



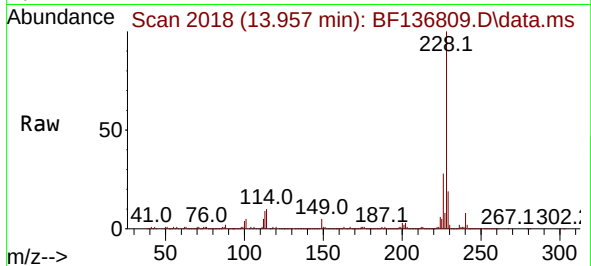
Tgt Ion:149 Resp: 186658  
 Ion Ratio Lower Upper  
 149 100  
 91 72.2 54.1 81.1  
 206 19.5 17.1 25.7





#81  
Benzo(a)anthracene  
Concen: 49.724 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

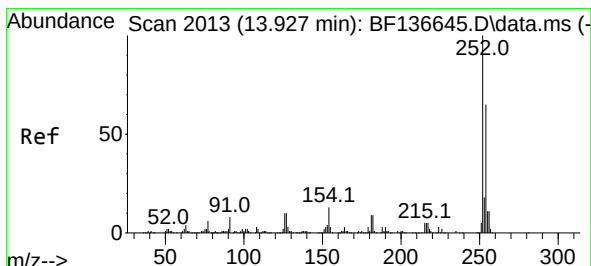
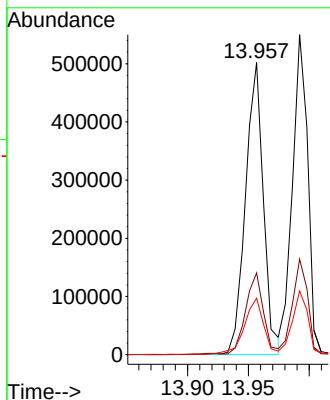
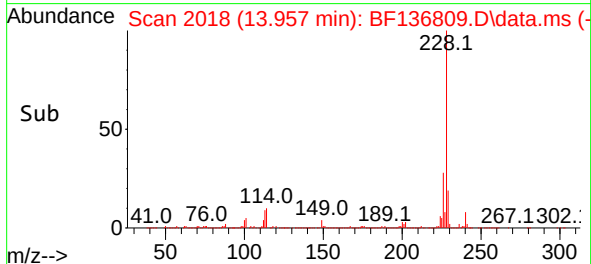
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



Tgt Ion:228 Resp: 51403  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.4 32.0  
229 19.3 14.9 22.3

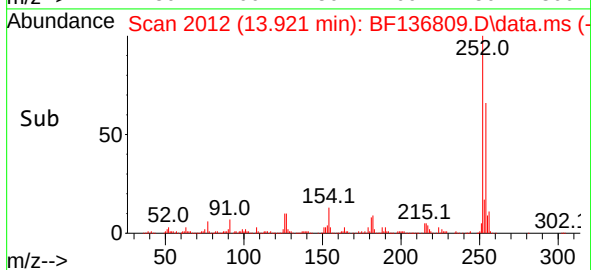
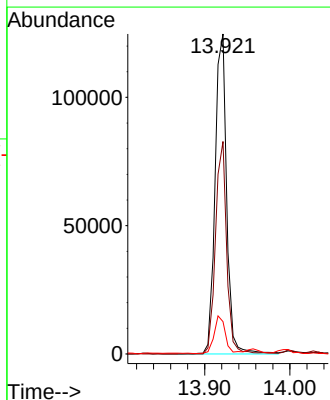
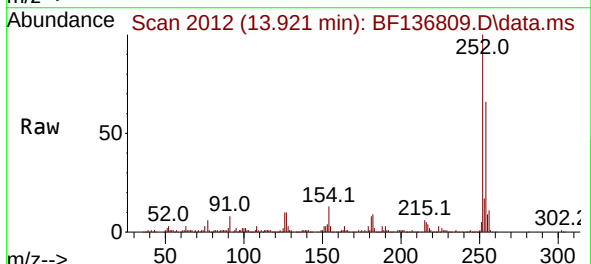
Manual Integrations  
APPROVED

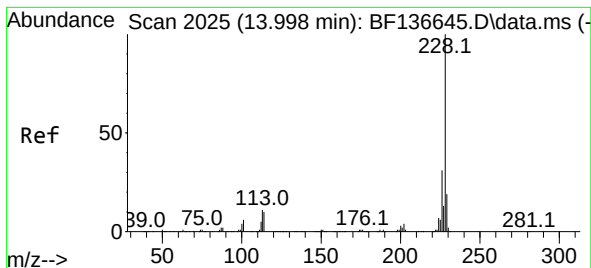
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 40.395 ng  
RT: 13.921 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:252 Resp: 118593  
Ion Ratio Lower Upper  
252 100  
254 66.4 52.2 78.4  
126 10.1 8.0 12.0





#83

Chrysene

Concen: 47.781 ng

RT: 13.992 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

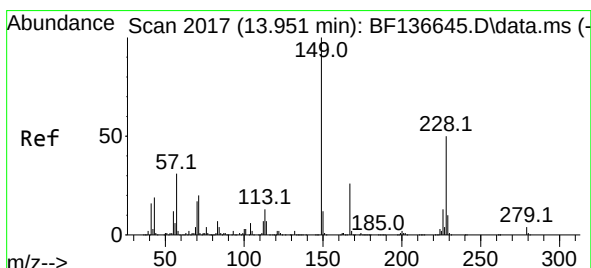
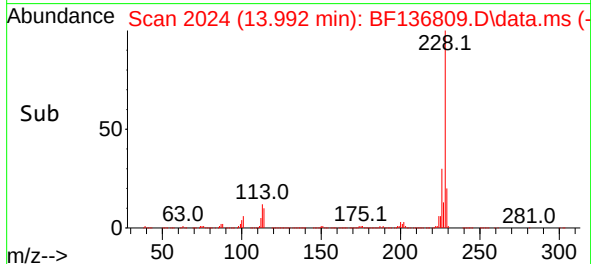
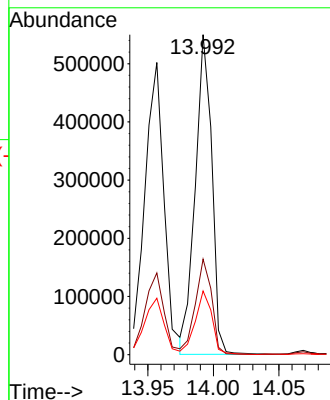
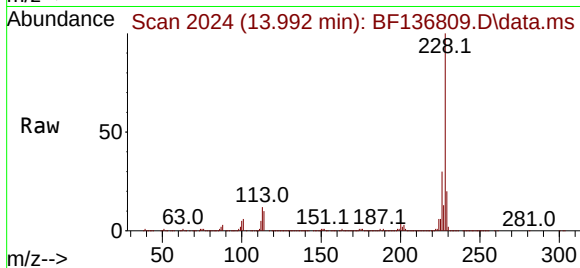
Tgt Ion:228 Resp: 483034  
 Ion Ratio Lower Upper  
 228 100  
 226 29.9 24.7 37.1  
 229 19.9 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.333 ng

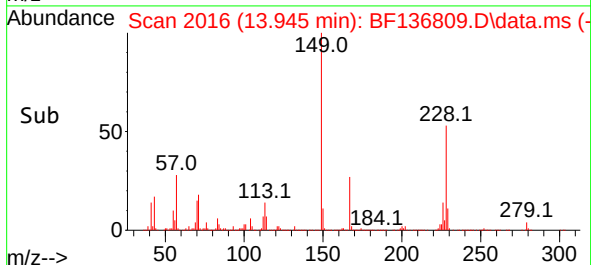
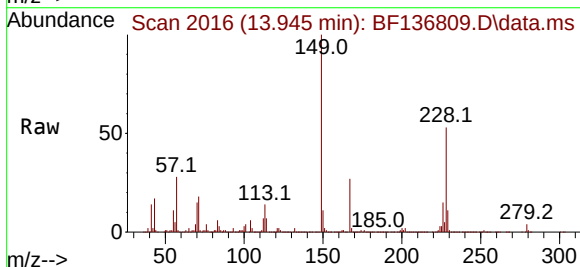
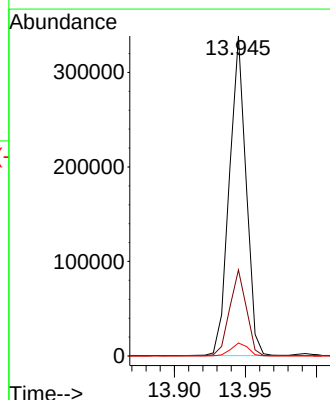
RT: 13.945 min Scan# 2016

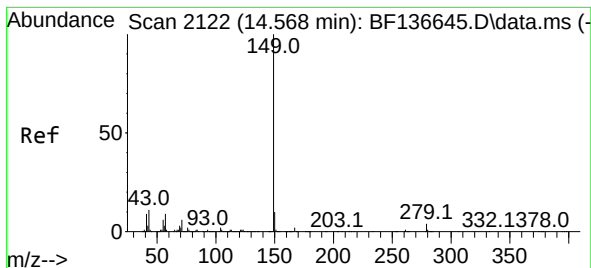
Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Tgt Ion:149 Resp: 276552  
 Ion Ratio Lower Upper  
 149 100  
 167 26.9 20.9 31.3  
 279 4.0 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 49.937 ng

RT: 14.563 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

TP-35MS

Tgt Ion:149 Resp: 51684

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

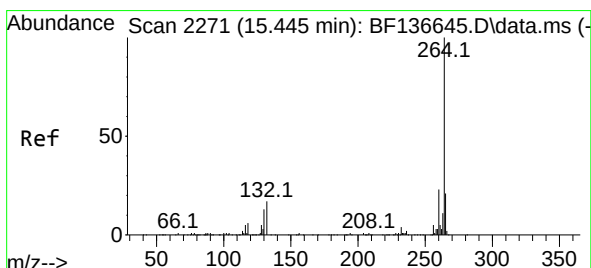
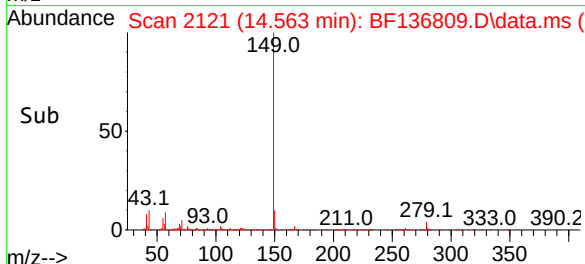
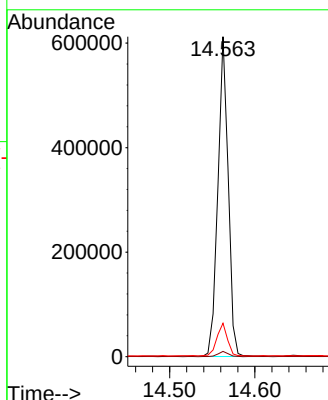
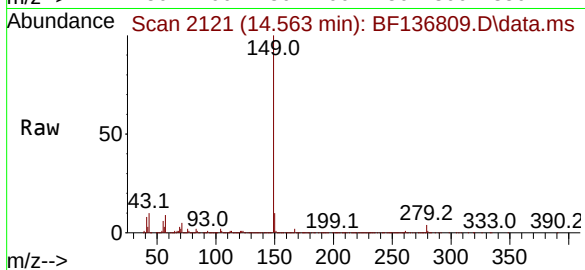
43 10.4 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023

Supervised By :mohammad ahmed 12/29/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136809.D

Acq: 28 Dec 2023 23:24

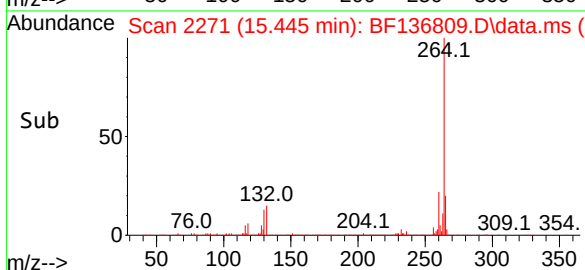
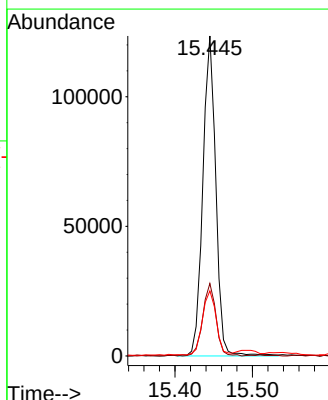
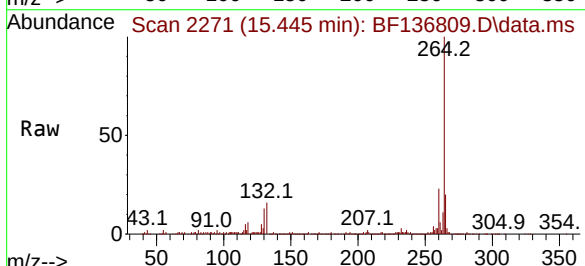
Tgt Ion:264 Resp: 143597

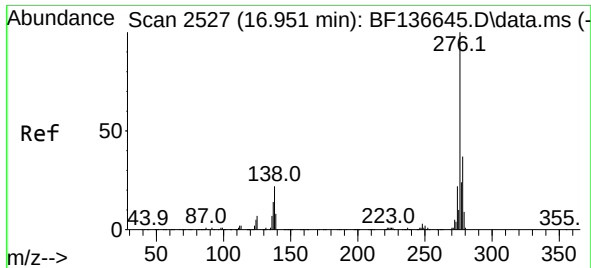
Ion Ratio Lower Upper

264 100

260 22.6 18.3 27.5

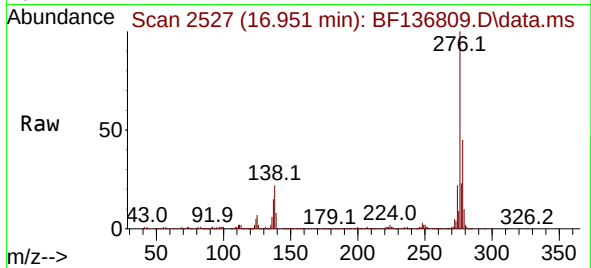
265 20.4 17.0 25.6





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 35.445 ng  
 RT: 16.951 min Scan# 2198  
 Delta R.T. 0.000 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24

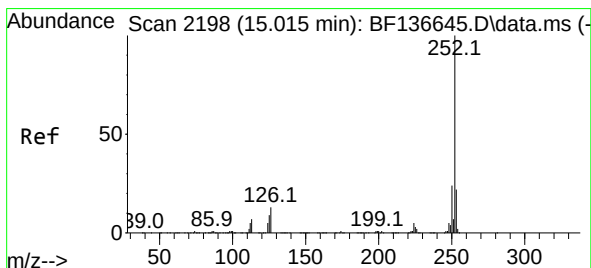
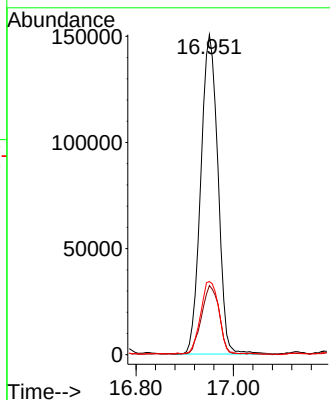
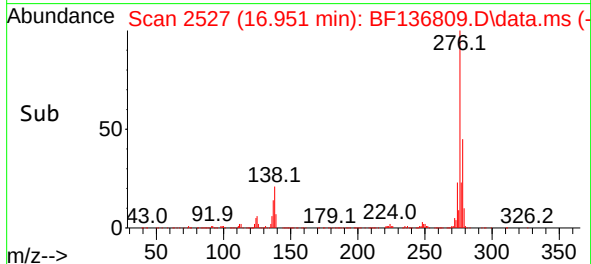
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-35MS



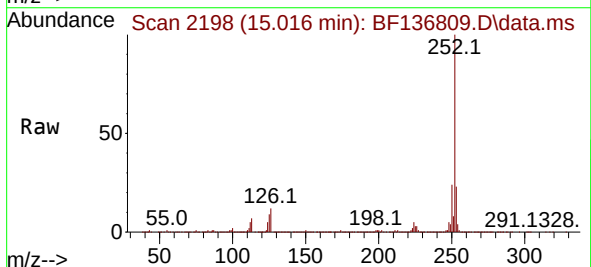
Tgt Ion:276 Resp: 367498  
 Ion Ratio Lower Upper  
 276 100  
 138 21.9 18.7 28.1  
 277 24.0 20.2 30.2

Manual Integrations  
 APPROVED

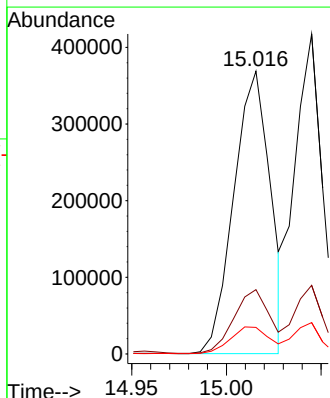
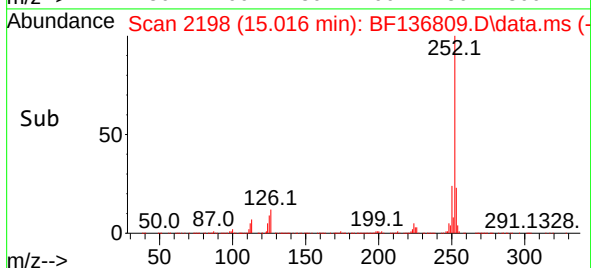
Reviewed By :Yogesh Patel 12/29/2023  
 Supervised By :mohammad ahmed 12/29/2023

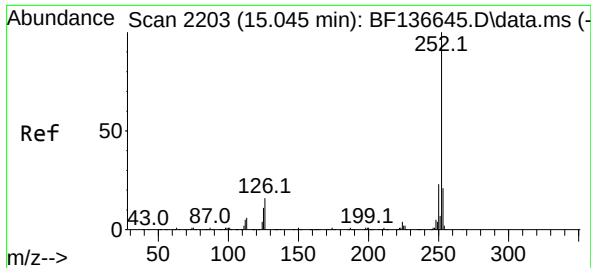


#88  
 Benzo(b)fluoranthene  
 Concen: 51.594 ng  
 RT: 15.016 min Scan# 2198  
 Delta R.T. 0.000 min  
 Lab File: BF136809.D  
 Acq: 28 Dec 2023 23:24



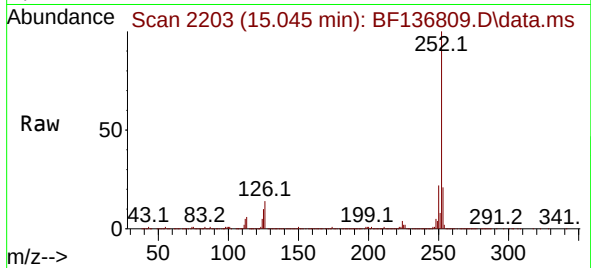
Tgt Ion:252 Resp: 494840  
 Ion Ratio Lower Upper  
 252 100  
 253 22.7 17.4 26.0  
 125 9.4 7.4 11.2





#89  
Benzo(k)fluoranthene  
Concen: 45.647 ng  
RT: 15.045 min Scan# 2203  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

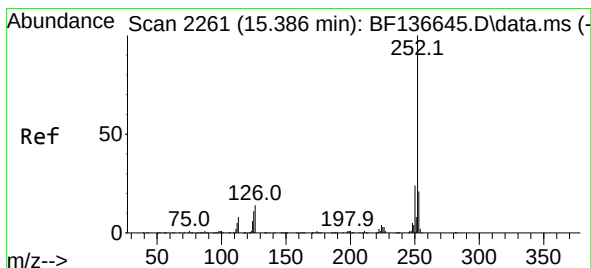
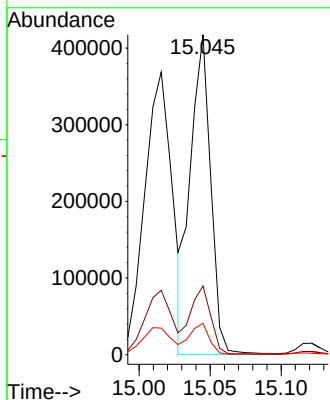
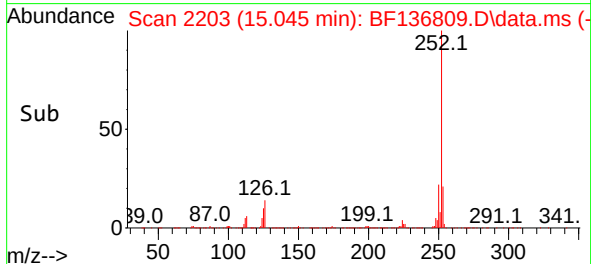
Instrument :  
BNA\_F  
ClientSampleId :  
TP-35MS



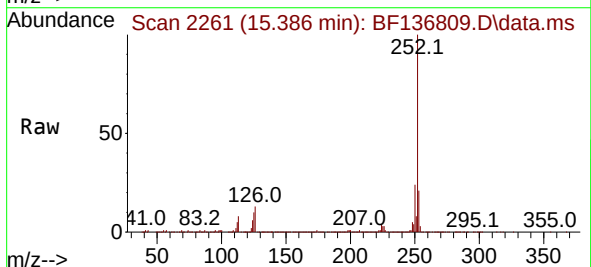
Tgt Ion:252 Resp: 413670  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.0 25.6  
125 9.8 8.2 12.4

Manual Integrations  
APPROVED

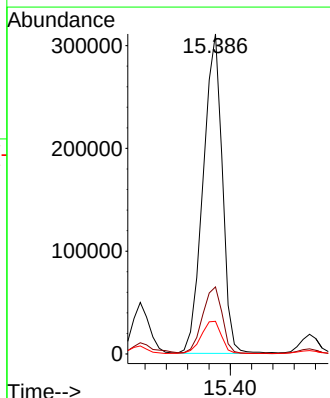
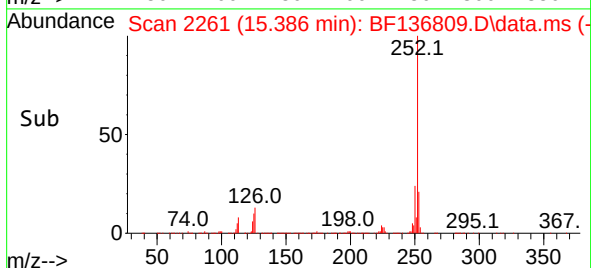
Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



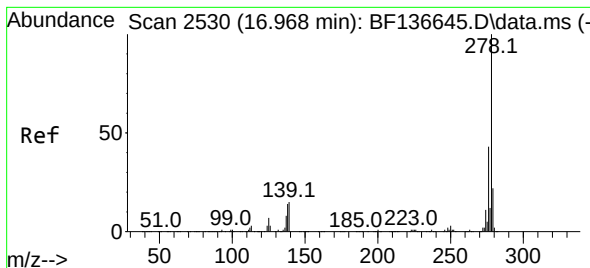
#90  
Benzo(a)pyrene  
Concen: 48.018 ng  
RT: 15.386 min Scan# 2261  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24



Tgt Ion:252 Resp: 388742  
Ion Ratio Lower Upper  
252 100  
253 20.9 17.0 25.6  
125 10.2 8.8 13.2







#91  
Dibenzo(a,h)anthracene  
Concen: 33.278 ng  
RT: 16.968 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Instrument :

BNA\_F

ClientSampleId :

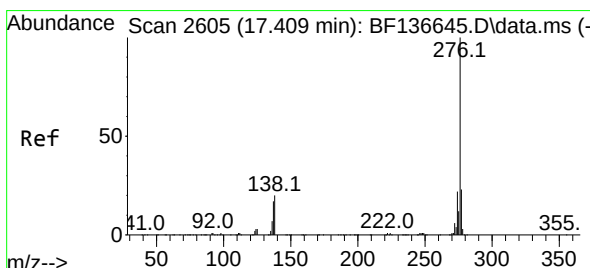
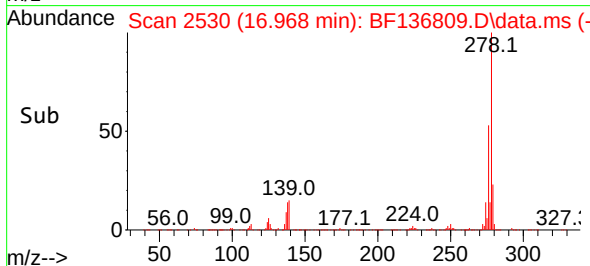
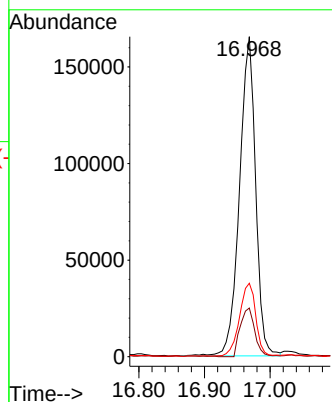
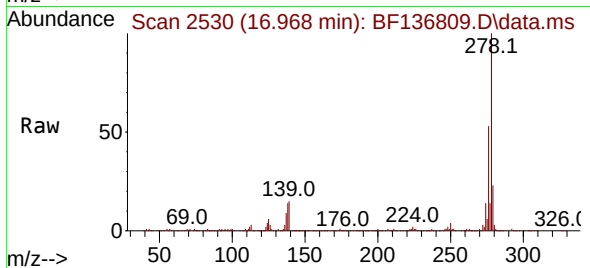
TP-35MS

Tgt Ion:278 Resp: 283059  
Ion Ratio Lower Upper  
278 100  
139 15.2 12.2 18.4  
279 23.0 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/29/2023  
Supervised By :mohammad ahmed 12/29/2023



#92  
Benzo(g,h,i)perylene  
Concen: 32.879 ng  
RT: 17.404 min Scan# 2604  
Delta R.T. -0.006 min  
Lab File: BF136809.D  
Acq: 28 Dec 2023 23:24

Tgt Ion:276 Resp: 286438  
Ion Ratio Lower Upper  
276 100  
277 22.5 18.3 27.5  
138 18.3 15.6 23.4

