

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092624\  
 Data File : BF139561.D  
 Acq On : 26 Sep 2024 22:21  
 Operator : RC/JU  
 Sample : P4190-01MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-TMSD

Quant Time: Sep 27 01:09:59 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
 Supervised By :mohammad ahmed 09/28/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 63565    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 235838   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 128778   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 255931   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 131459   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.510 | 264  | 139714   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.499  | 112  | 352129   | 90.371  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 482389   | 94.320  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.440  | 82   | 299007   | 59.603  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 124549   | 90.846  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 562981   | 61.314  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 603902   | 75.403  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 91031    | 58.231  | ng    | 95       |
| 3) Pyridine                   | 3.469  | 79   | 232481   | 67.451  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 156086   | 52.248  | ng    | # 77     |
| 6) Aniline                    | 6.540  | 93   | 285832   | 74.057  | ng    | 94       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 236850   | 59.051  | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 38819    | 13.137  | ng    | 95       |
| 10) Phenol                    | 6.522  | 94   | 322445   | 61.902  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 228209   | 57.642  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 249127   | 54.615  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.893  | 146  | 252524   | 54.782  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 240042   | 55.110  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 228155   | 55.915  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 410274   | 67.242  | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 192553   | 60.424  | ng    | 97       |
| 18) Hexachloroethane          | 7.387  | 117  | 93892    | 53.477  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 176198   | 58.137  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 241645   | 55.580  | ng    | # 87     |
| 22) Acetophenone              | 7.287  | 105  | 328527   | 53.285  | ng    | 97       |
| 24) Nitrobenzene              | 7.457  | 77   | 275087   | 53.279  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 477829   | 60.227  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 127689   | 63.478  | ng    | 89       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 192499   | 72.548  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 272495   | 60.264  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 198619   | 58.923  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 208277   | 53.029  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 698850   | 56.761  | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 120153   | 48.388  | ng    | 88       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 142028   | 37.707  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 129061   | 48.367  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 68480m   | 66.042  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 219796   | 57.054  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 450756   | 57.679  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 419653   | 54.696  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 212784   | 55.753  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 228523   | 171.488 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 146964   | 59.187  | ng    | 99       |

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Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
 Supervised By :mohammad ahmed 09/28/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 152946   | 58.394  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 563709   | 56.899  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 421337   | 56.879  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 169811   | 61.632  | ng    | 99       |
| 49) Acenaphthylene            | 9.775  | 152  | 709488   | 63.627  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 498933   | 59.030  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 113550   | 60.643  | ng    | 93       |
| 52) Acenaphthene              | 9.951  | 154  | 500175m  | 64.270  | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 96998    | 51.835  | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.981  | 184  | 125400   | 120.188 | ng    | # 86     |
| 55) Dibenzofuran              | 10.122 | 168  | 646862   | 59.634  | ng    | 94       |
| 56) 4-Nitrophenol             | 10.034 | 139  | 188415   | 121.684 | ng    | # 83     |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 158929   | 62.869  | ng    | 96       |
| 58) Fluorene                  | 10.463 | 166  | 509501   | 57.569  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 133562   | 61.644  | ng    | 95       |
| 60) Diethylphthalate          | 10.334 | 149  | 499895   | 57.312  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 236695   | 55.030  | ng    | 95       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 129310   | 63.316  | ng    | # 86     |
| 63) Azobenzene                | 10.616 | 77   | 515786   | 60.122  | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 85646    | 63.406  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 442088   | 59.083  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 143122   | 56.432  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 163345   | 54.877  | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 140593   | 78.925  | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 182941   | 102.427 | ng    | 98       |
| 71) Phenanthrene              | 11.428 | 178  | 745640   | 60.387  | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 764375   | 63.315  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 712446   | 61.659  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 763370   | 59.307  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 788764   | 59.817  | ng    | 98       |
| 77) Benzidine                 | 12.733 | 184  | 283946   | 150.761 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 799228   | 70.806  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 255755   | 66.567  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 533175   | 61.229  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 134626   | 52.793  | ng    | 98       |
| 83) Chrysene                  | 14.063 | 228  | 495072   | 61.797  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 277281   | 56.732  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 401952   | 55.842  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 564957   | 68.003  | ng    | # 96     |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 530619   | 61.581  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 420048   | 52.871  | ng    | # 98     |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 466962   | 65.344  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 458745   | 66.824  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 415034   | 61.060  | ng    | # 96     |

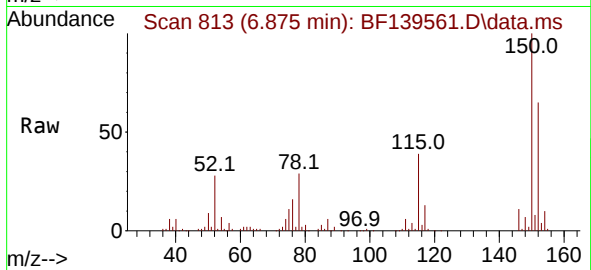
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

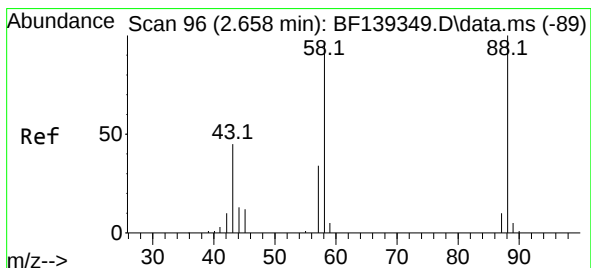
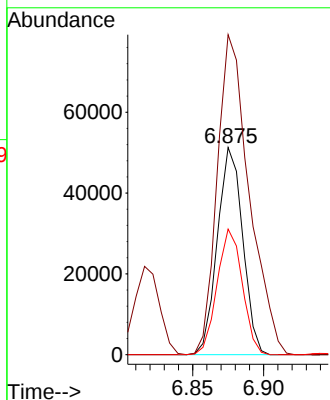
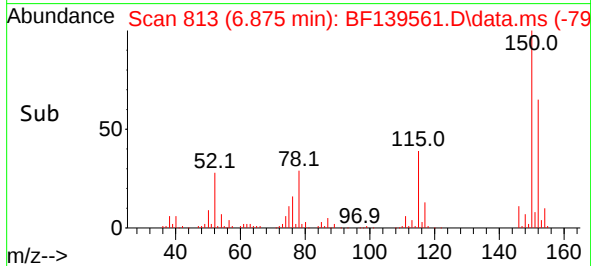
Instrument :  
BNA\_F  
Client SampleId :  
TP-TMSD



Tgt Ion: 152 Resp: 6356  
Ion Ratio Lower Upper  
152 100  
150 154.5 124.1 186.1  
115 60.6 48.1 72.1

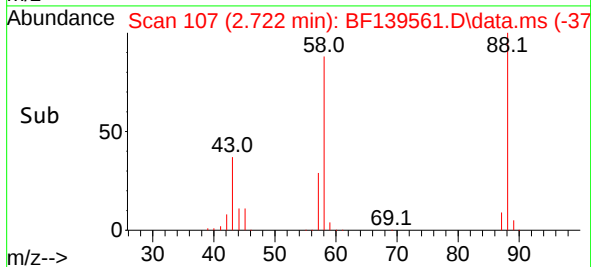
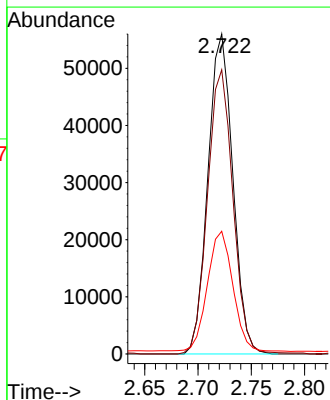
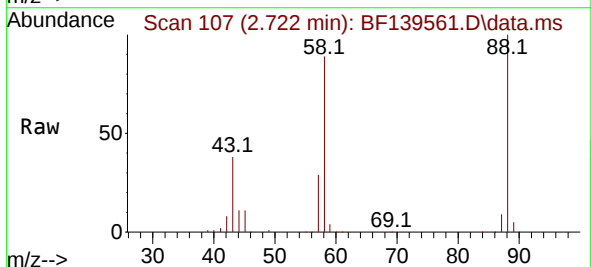
Manual Integrations  
APPROVED

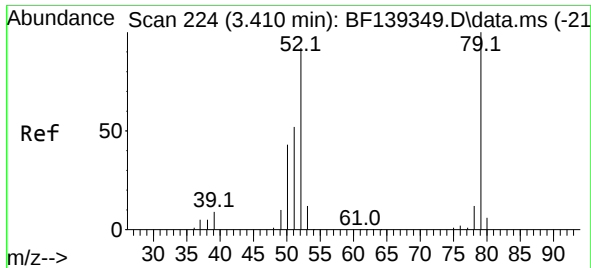
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#2  
1,4-Dioxane  
Concen: 58.231 ng  
RT: 2.722 min Scan# 107  
Delta R.T. 0.065 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion: 88 Resp: 91031  
Ion Ratio Lower Upper  
88 100  
58 91.0 74.8 112.2  
43 38.5 36.4 54.6





#3

Pyridine

Concen: 67.451 ng

RT: 3.469 min Scan# 21

Delta R.T. 0.059 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

Tgt Ion: 79 Resp: 23248

Ion Ratio Lower Upper

79 100

52 90.4 73.8 110.8

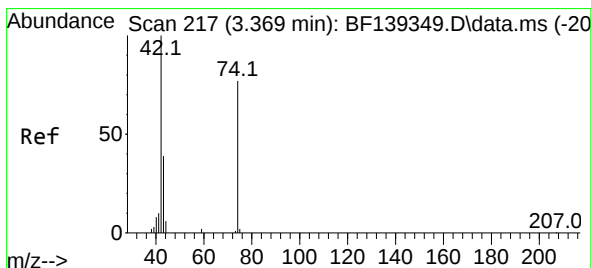
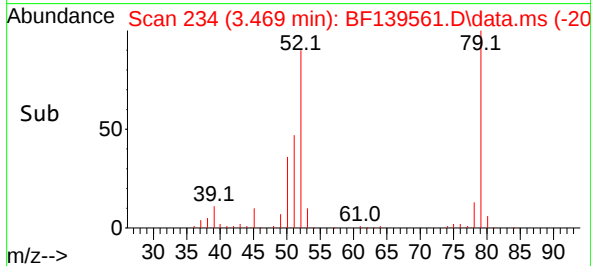
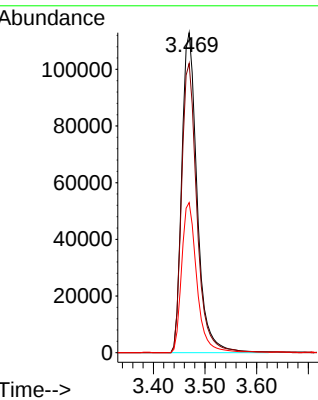
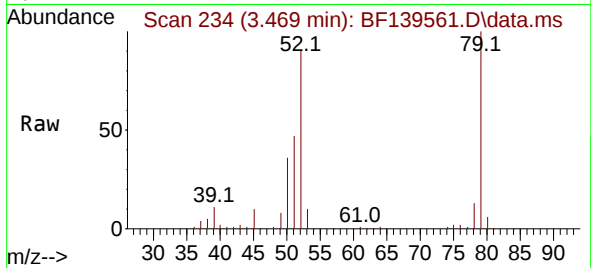
51 46.9 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#4

n-Nitrosodimethylamine

Concen: 52.248 ng

RT: 3.428 min Scan# 227

Delta R.T. 0.059 min

Lab File: BF139561.D

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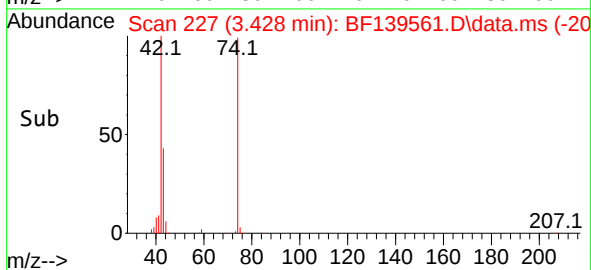
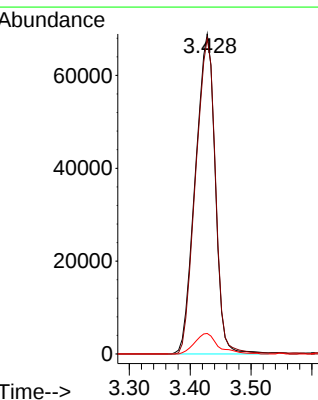
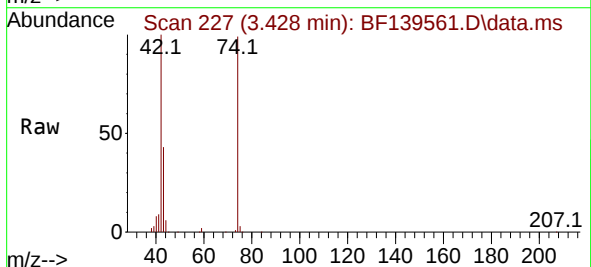
Tgt Ion: 42 Resp: 156086

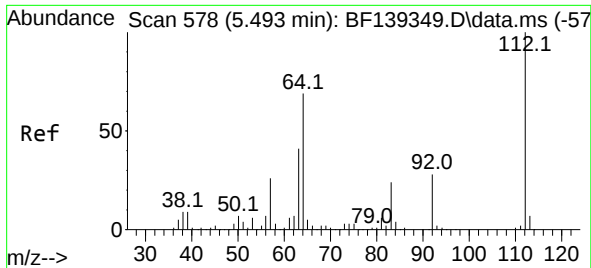
Ion Ratio Lower Upper

42 100

74 98.7 61.8 92.8#

44 6.4 4.8 7.2





#5  
2-Fluorophenol  
Concen: 90.371 ng  
RT: 5.499 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

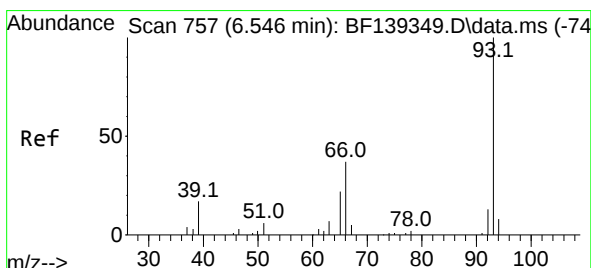
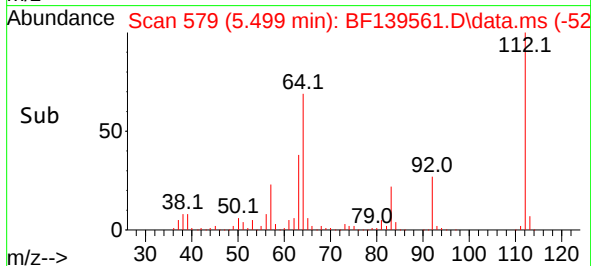
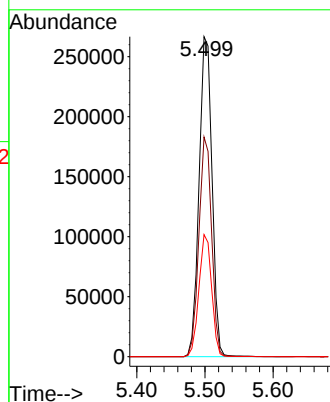
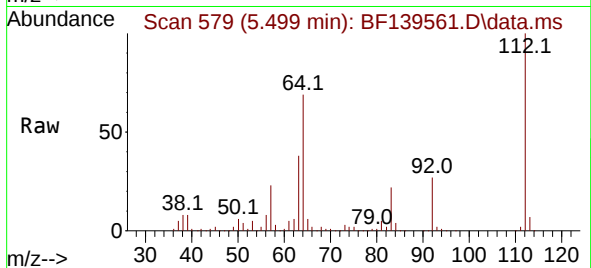
TP-TMSD

Tgt Ion:112 Resp: 352129  
Ion Ratio Lower Upper  
112 100  
64 68.7 54.8 82.2  
63 38.2 33.0 49.4

Manual Integrations

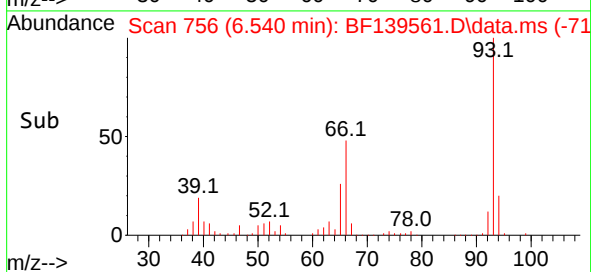
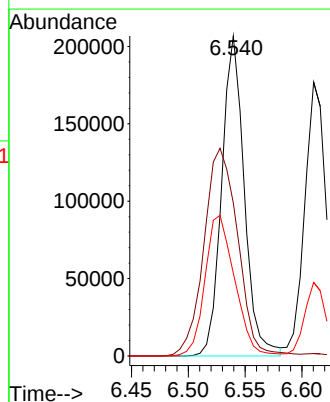
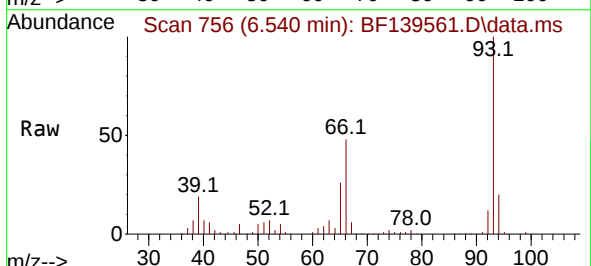
APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#6  
Aniline  
Concen: 74.057 ng  
RT: 6.540 min Scan# 756  
Delta R.T. -0.029 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

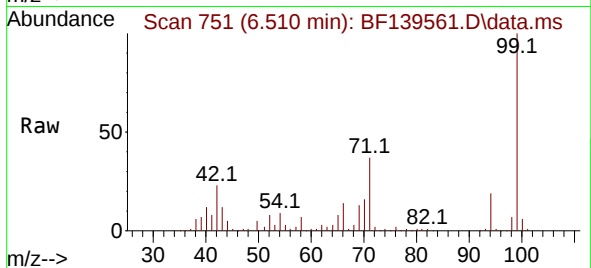
Tgt Ion: 93 Resp: 285832  
Ion Ratio Lower Upper  
93 100  
66 47.8 35.4 53.0  
65 25.8 18.2 27.4





#7  
Phenol-d6  
Concen: 94.320 ng  
RT: 6.510 min Scan# 750  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

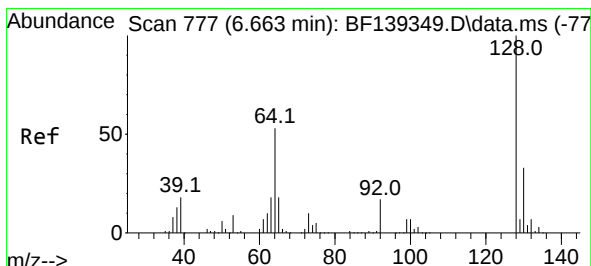
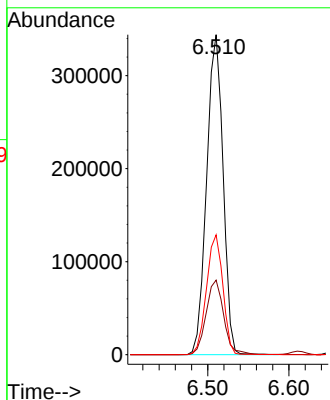
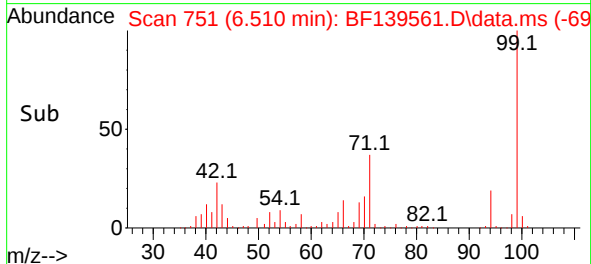
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion: 99 Resp: 482389  
Ion Ratio Lower Upper  
99 100  
42 23.3 21.9 32.9  
71 37.4 34.6 52.0

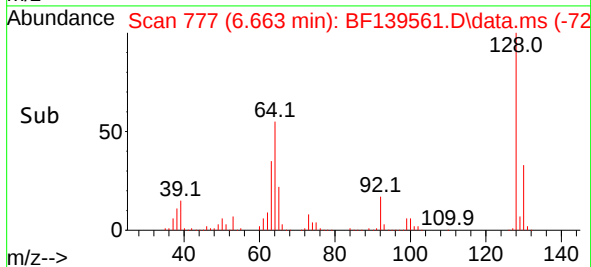
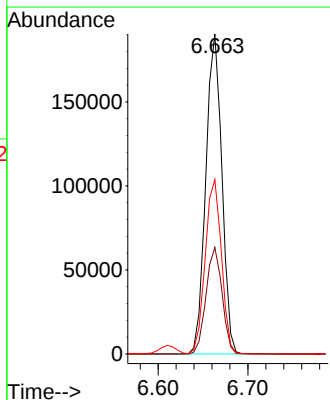
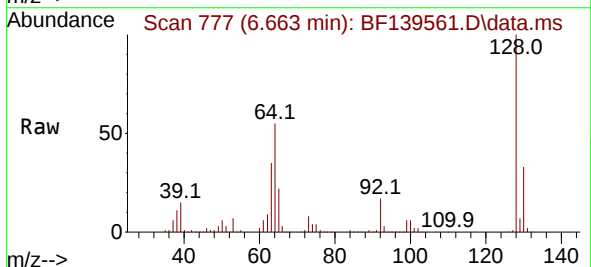
Manual Integrations  
APPROVED

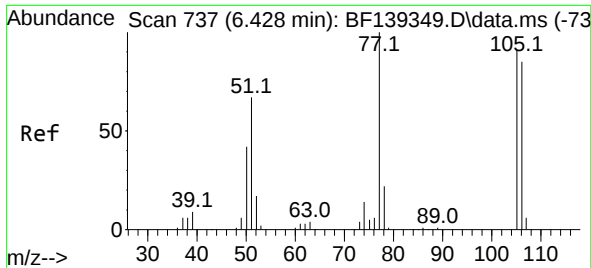
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#8  
2-Chlorophenol  
Concen: 59.051 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

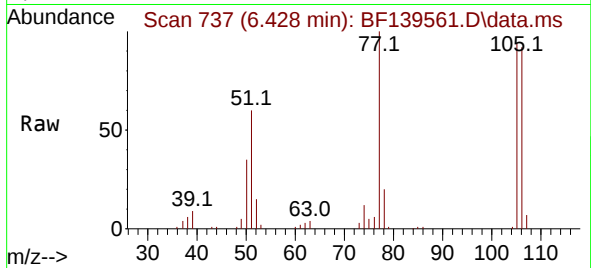
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Ion Ratio Lower Upper  
128 100  
130 33.3 12.8 52.8  
64 54.5 35.1 75.1





#9  
Benzaldehyde  
Concen: 13.137 ng  
RT: 6.428 min Scan# 737  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

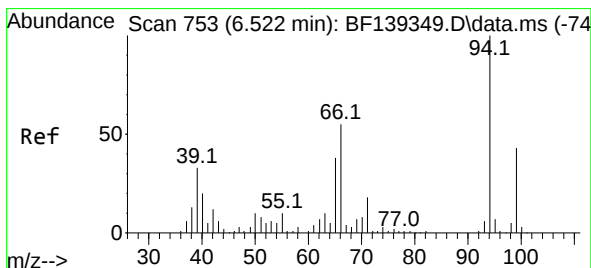
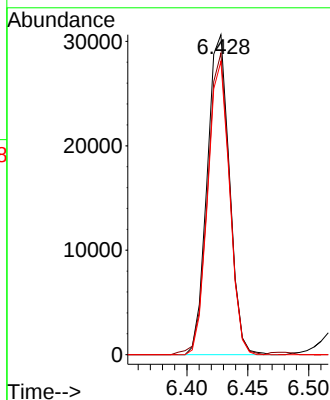
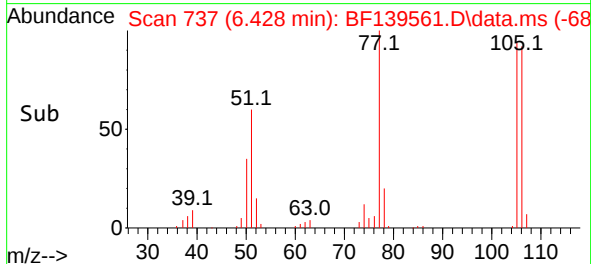
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion: 77 Resp: 38819  
Ion Ratio Lower Upper  
77 100  
105 94.2 71.0 111.0  
106 91.6 64.9 104.9

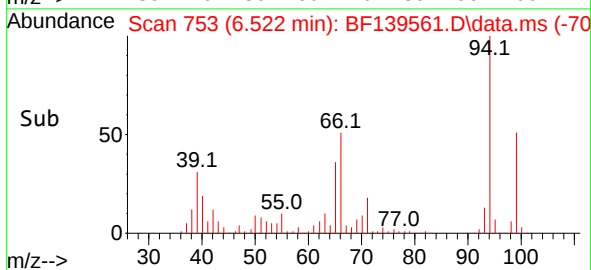
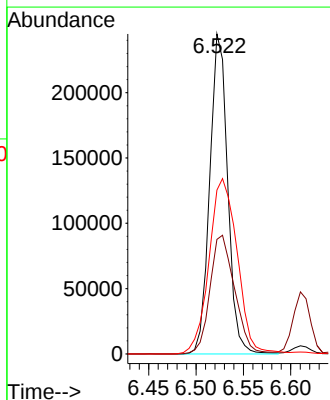
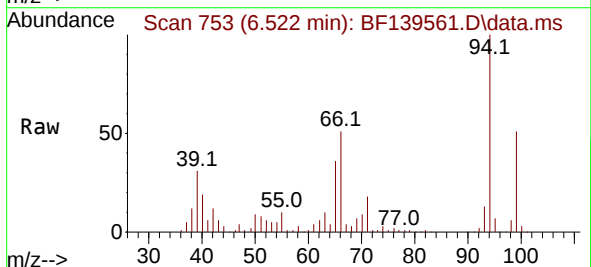
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#10  
Phenol  
Concen: 61.902 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion: 94 Resp: 322445  
Ion Ratio Lower Upper  
94 100  
65 35.8 17.6 57.6  
66 51.2 35.2 75.2





#11  
bis(2-Chloroethyl)ether  
Concen: 57.642 ng  
RT: 6.610 min Scan# 769  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

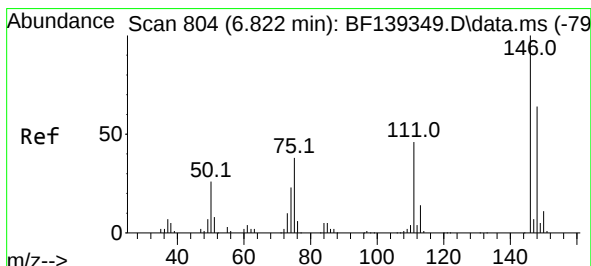
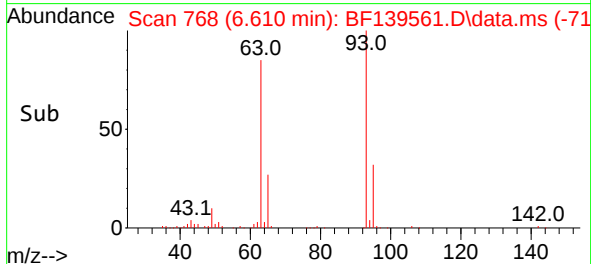
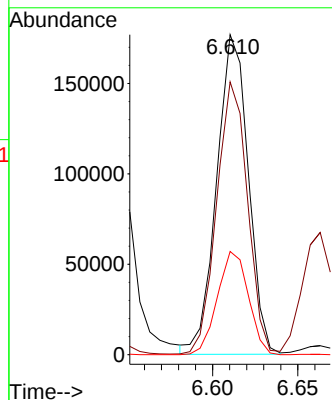
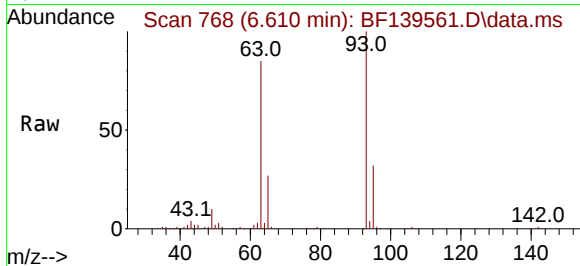
ClientSampleId :

TP-TMSD

Tgt Ion: 93 Resp: 228209  
Ion Ratio Lower Upper  
93 100  
63 85.2 65.3 105.3  
95 32.3 12.4 52.4

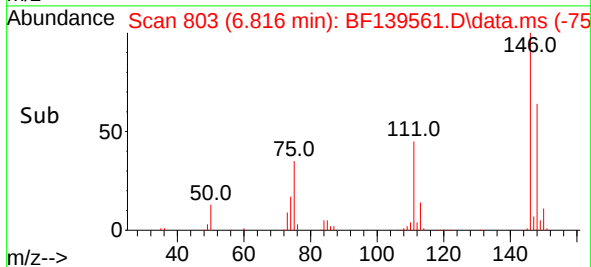
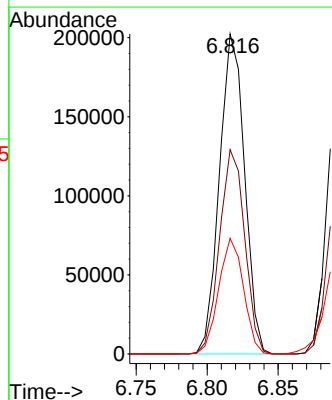
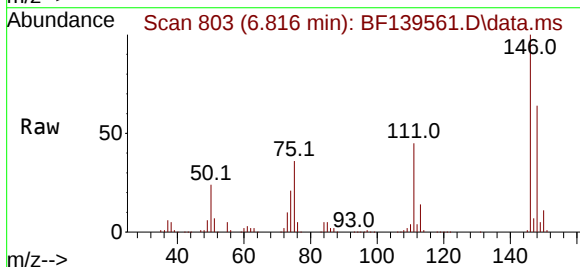
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#12  
1,3-Dichlorobenzene  
Concen: 54.615 ng  
RT: 6.816 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:146 Resp: 249127  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.2 76.8  
75 36.1 30.6 46.0





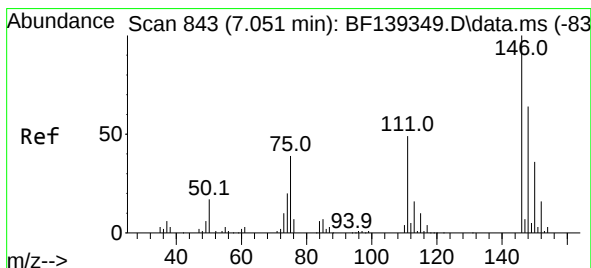
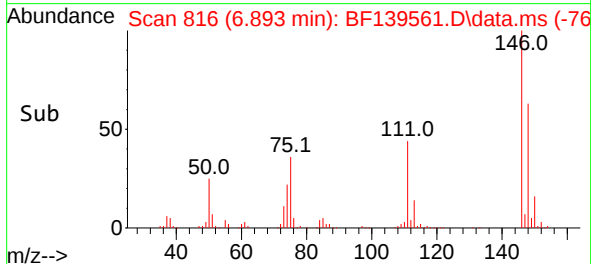
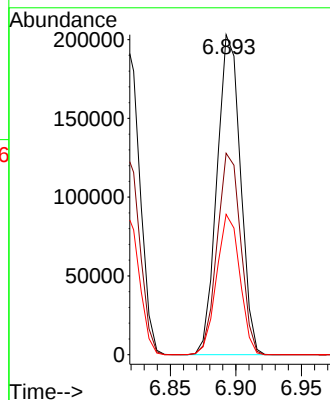
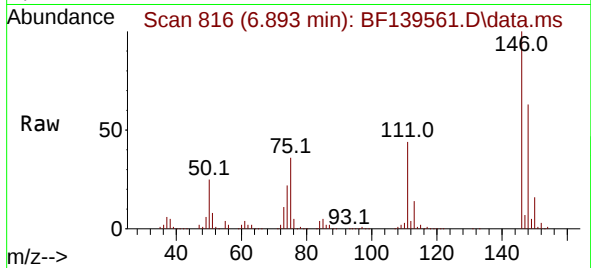
#13  
1,4-Dichlorobenzene  
Concen: 54.782 ng  
RT: 6.893 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD

Tgt Ion:146 Resp: 252524  
Ion Ratio Lower Upper  
146 100  
148 63.0 50.9 76.3  
111 43.9 36.3 54.5

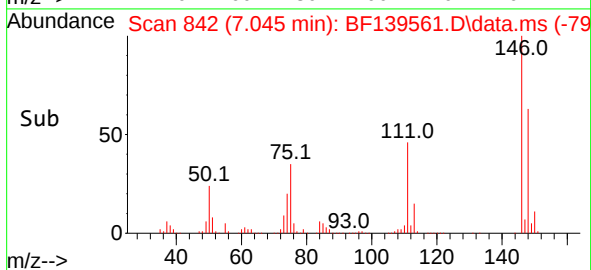
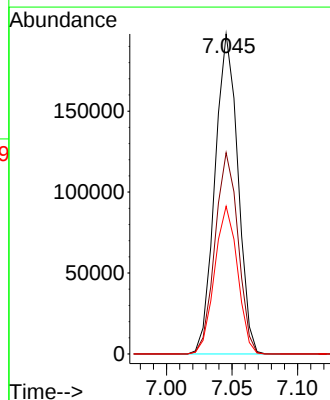
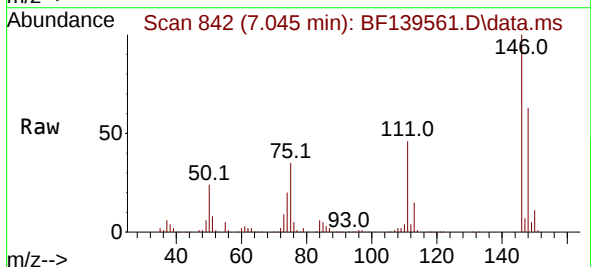
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#14  
1,2-Dichlorobenzene  
Concen: 55.110 ng  
RT: 7.045 min Scan# 842  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

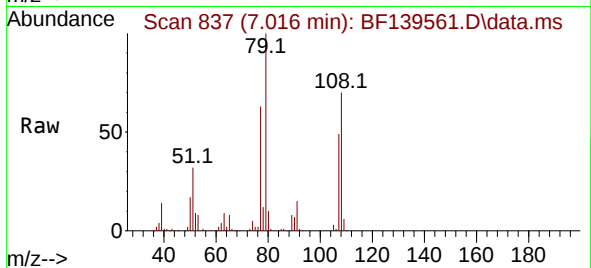
Tgt Ion:146 Resp: 240042  
Ion Ratio Lower Upper  
146 100  
148 62.9 50.9 76.3  
111 46.2 38.9 58.3





#15  
Benzyl Alcohol  
Concen: 55.915 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

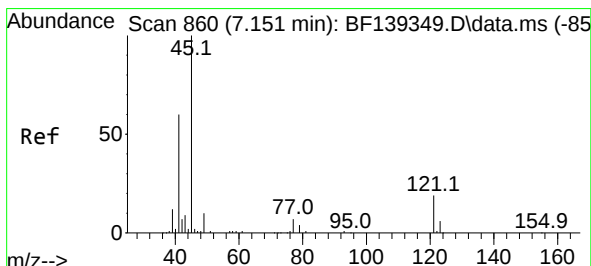
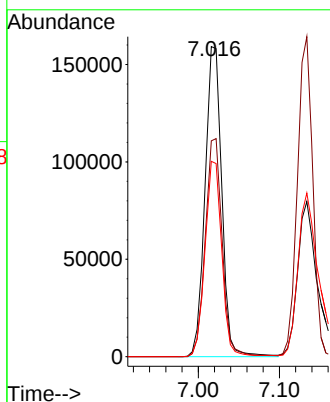
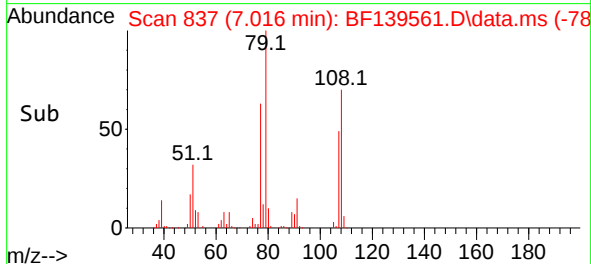
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion: 79 Resp: 22815  
Ion Ratio Lower Upper  
79 100  
108 69.6 50.4 75.6  
77 63.0 51.4 77.2

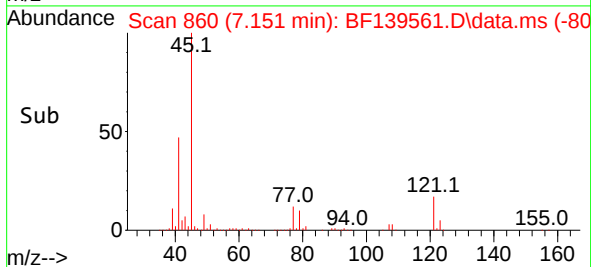
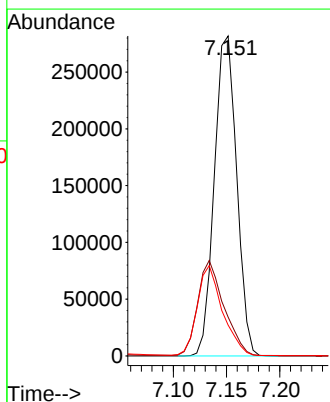
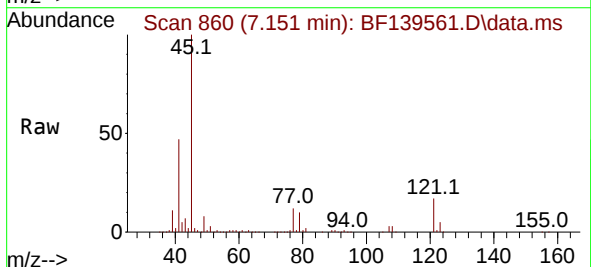
Manual Integrations  
APPROVED

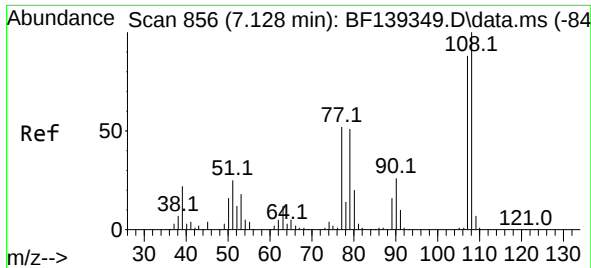
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 67.242 ng  
RT: 7.151 min Scan# 860  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

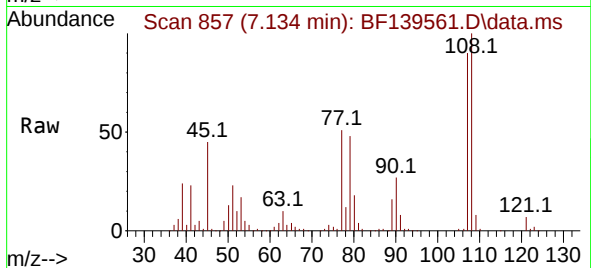
Tgt Ion: 45 Resp: 410274  
Ion Ratio Lower Upper  
45 100  
77 12.1 0.0 32.0  
79 9.6 0.0 29.1





#17  
2-Methylphenol  
Concen: 60.424 ng  
RT: 7.134 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

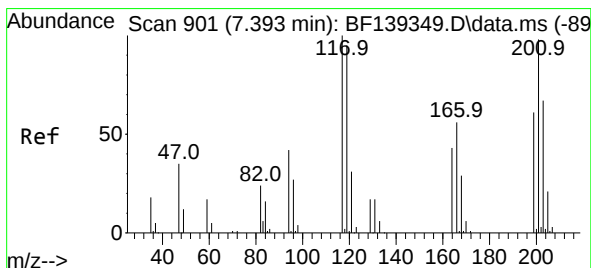
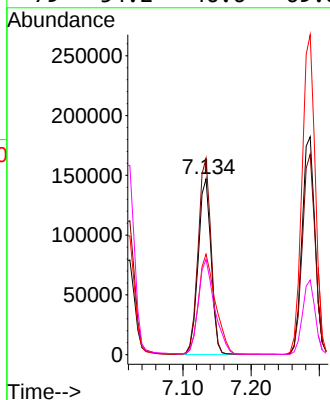
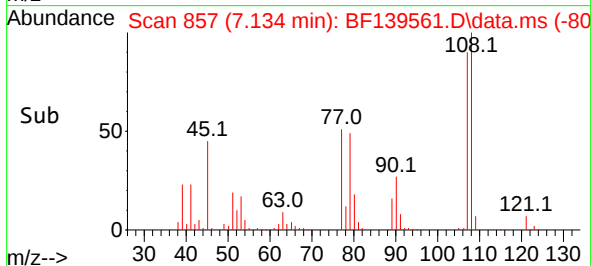
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion:107 Resp: 19255  
Ion Ratio Lower Upper  
107 100  
108 111.7 90.5 135.7  
77 57.2 47.1 70.7  
79 54.2 46.6 69.8

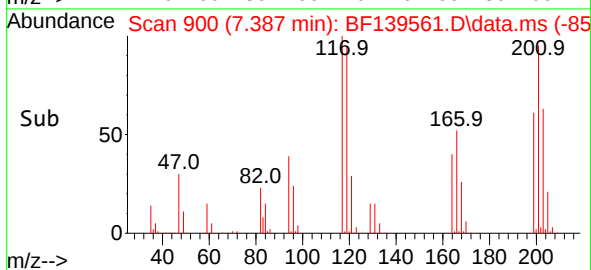
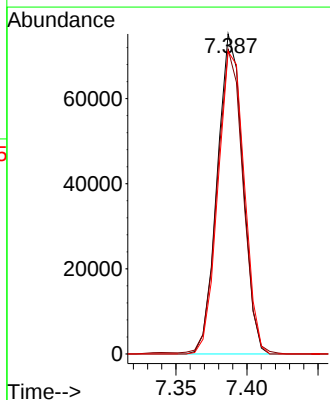
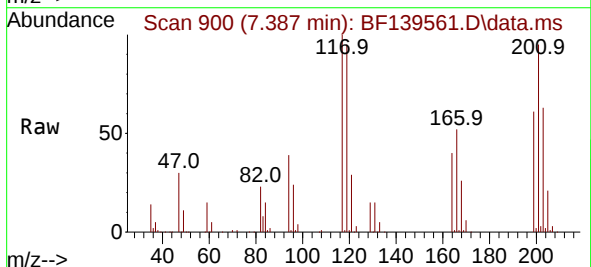
Manual Integrations  
APPROVED

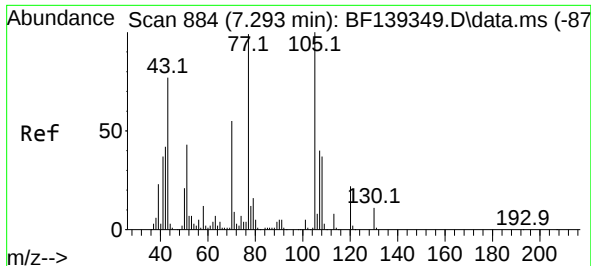
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#18  
Hexachloroethane  
Concen: 53.477 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

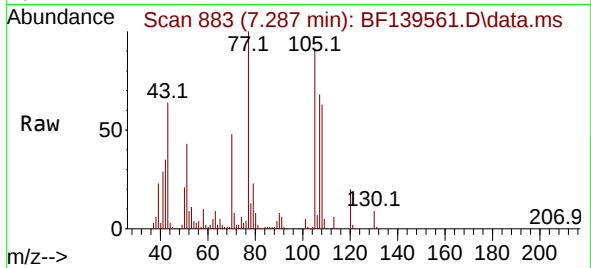
Tgt Ion:117 Resp: 93892  
Ion Ratio Lower Upper  
117 100  
119 95.2 75.8 113.8  
201 94.5 78.6 118.0





#19  
n-Nitroso-di-n-propylamine  
Concen: 58.137 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

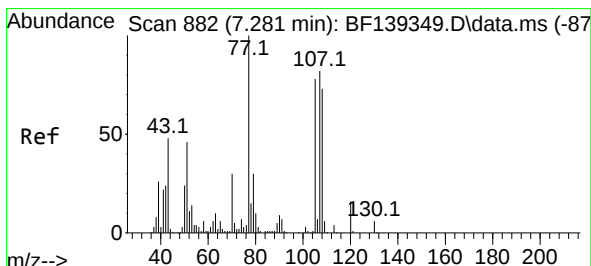
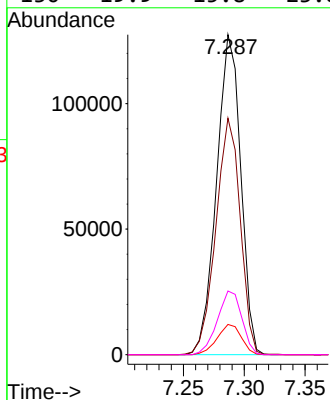
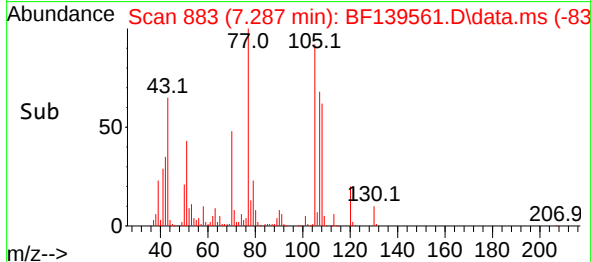
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion: 70 Resp: 176198  
Ion Ratio Lower Upper  
70 100  
42 73.9 61.2 91.8  
101 9.5 7.5 11.3  
130 19.9 15.8 23.8

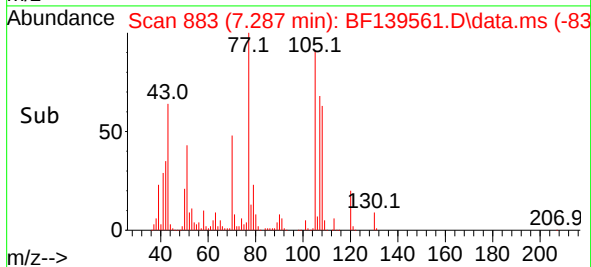
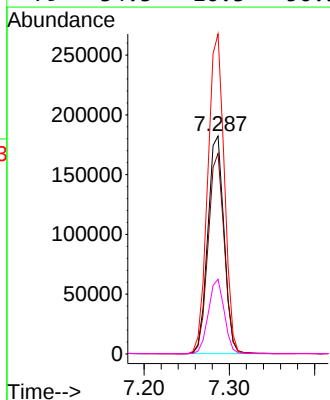
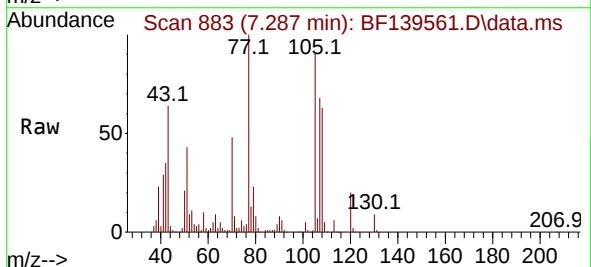
Manual Integrations  
APPROVED

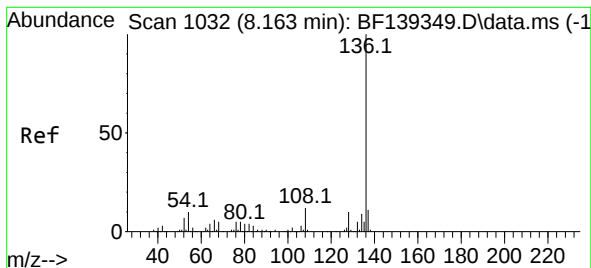
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#20  
3+4-Methylphenols  
Concen: 55.580 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:107 Resp: 241645  
Ion Ratio Lower Upper  
107 100  
108 92.0 68.6 108.6  
77 146.8 101.6 141.6#  
79 34.3 16.3 56.3





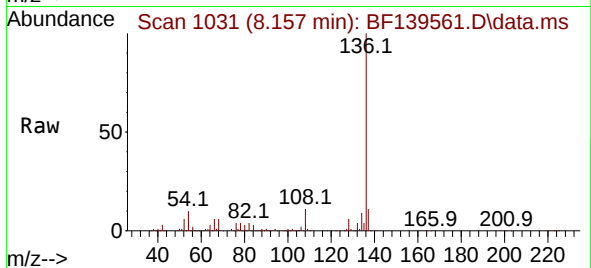
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

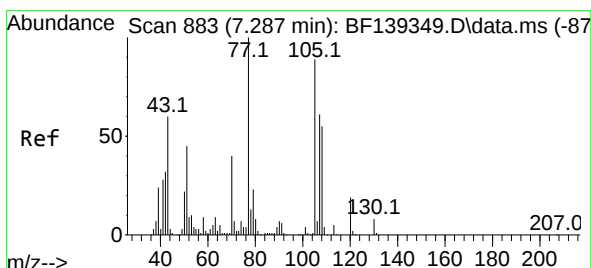
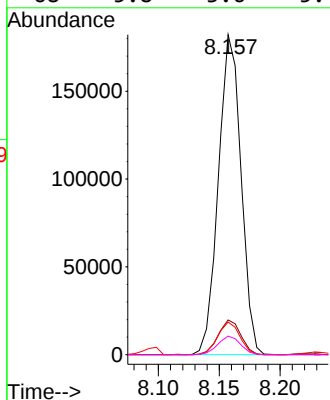
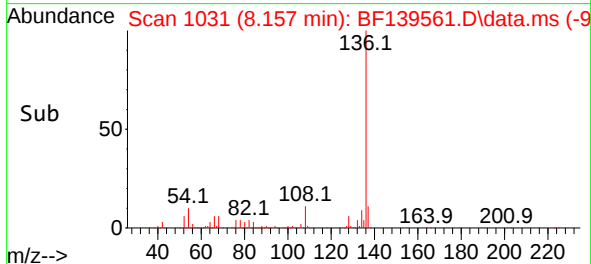


Tgt Ion:136 Resp: 235838  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 10.2 7.8 11.8  
68 5.8 3.6 5.4#

Manual Integrations

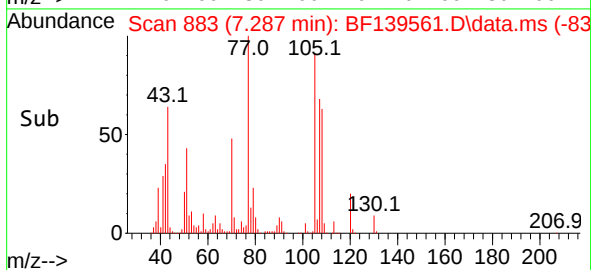
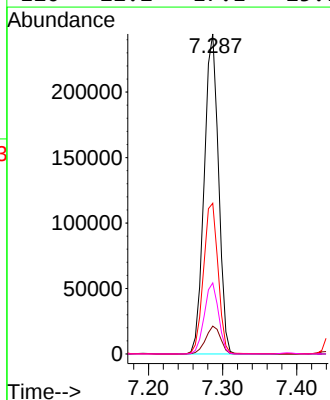
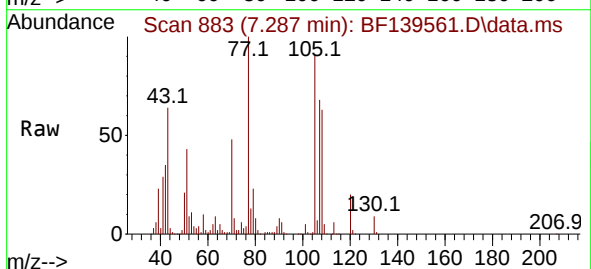
APPROVED

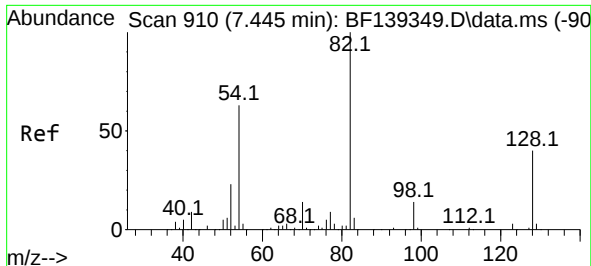
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#22  
Acetophenone  
Concen: 53.285 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:105 Resp: 328527  
Ion Ratio Lower Upper  
105 100  
71 8.7 5.9 8.9  
51 47.1 40.0 60.0  
120 22.2 17.1 25.7





#23

Nitrobenzene-d5

Concen: 59.603 ng

RT: 7.440 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

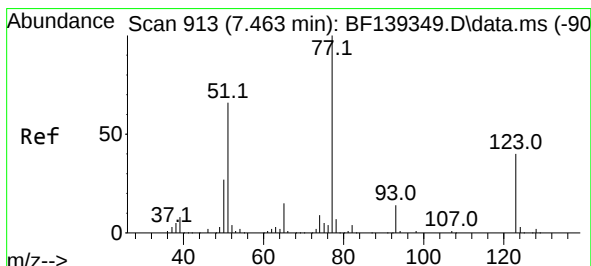
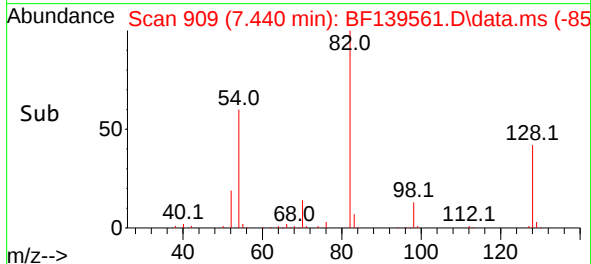
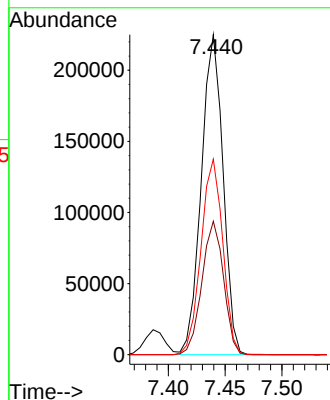
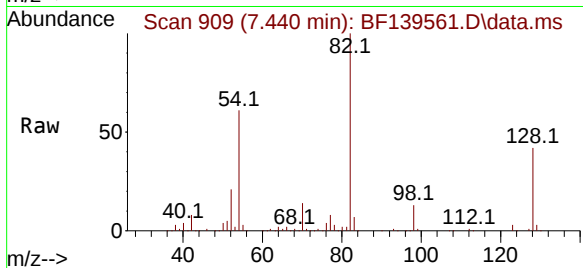
TP-TMSD

Tgt Ion: 82 Resp: 299007  
 Ion Ratio Lower Upper  
 82 100  
 128 41.7 31.8 47.6  
 54 61.1 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
 Supervised By :mohammad ahmed 09/28/2024



#24

Nitrobenzene

Concen: 53.279 ng

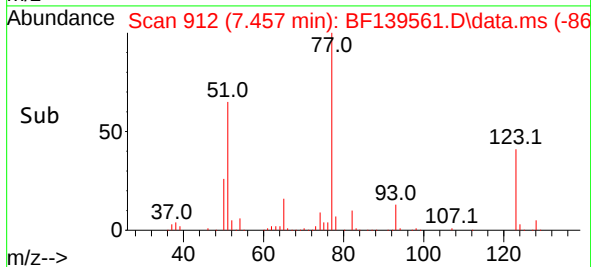
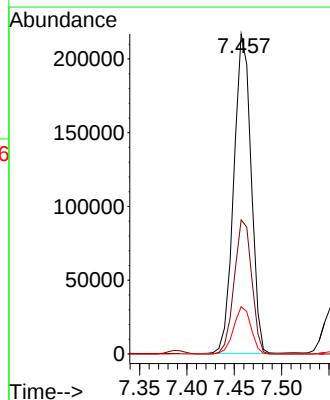
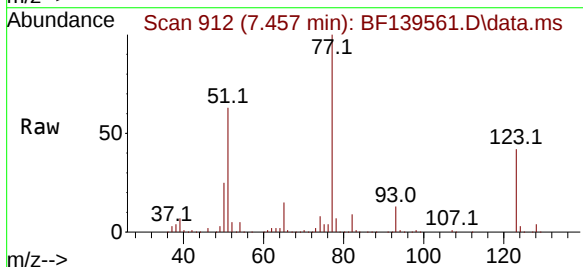
RT: 7.457 min Scan# 912

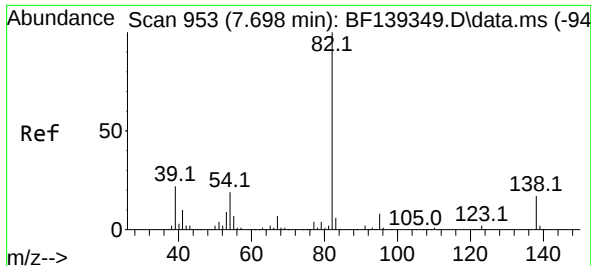
Delta R.T. -0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Tgt Ion: 77 Resp: 275087  
 Ion Ratio Lower Upper  
 77 100  
 123 41.9 32.2 48.4  
 65 14.8 12.2 18.4





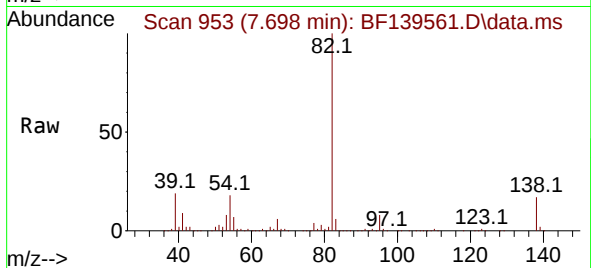
#25  
Isophorone  
Concen: 60.227 ng  
RT: 7.698 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

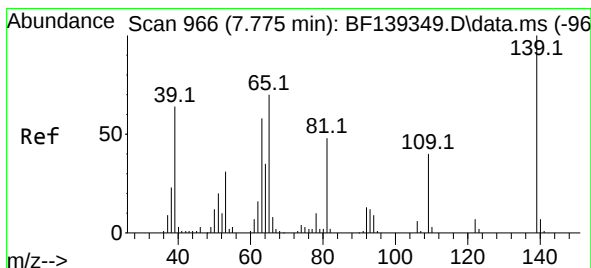
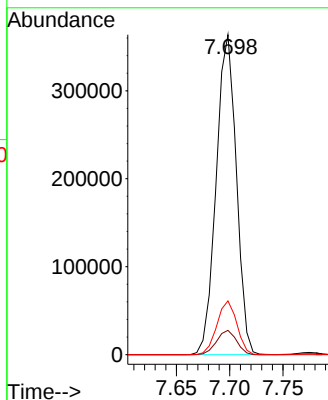
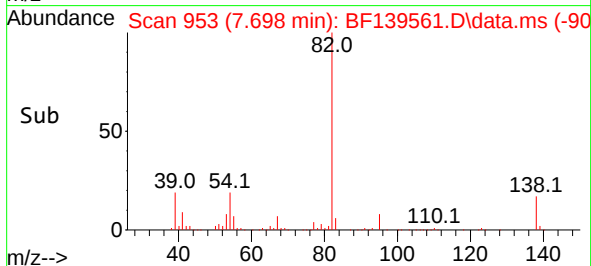


Tgt Ion: 82 Resp: 477829  
Ion Ratio Lower Upper  
82 100  
95 7.6 6.7 10.1  
138 16.8 13.3 19.9

Manual Integrations

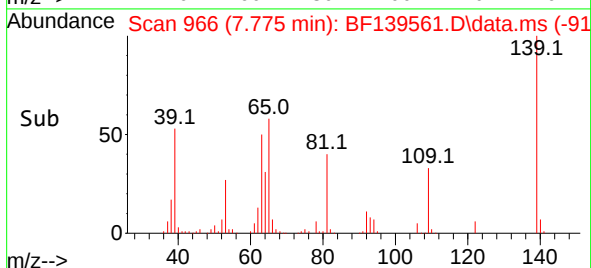
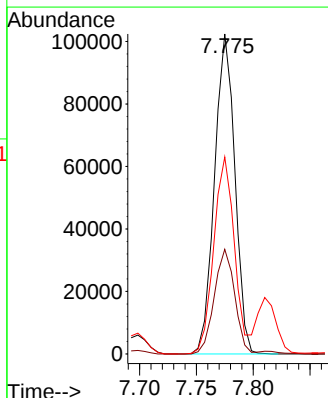
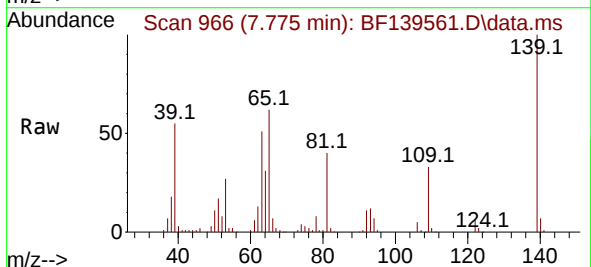
APPROVED

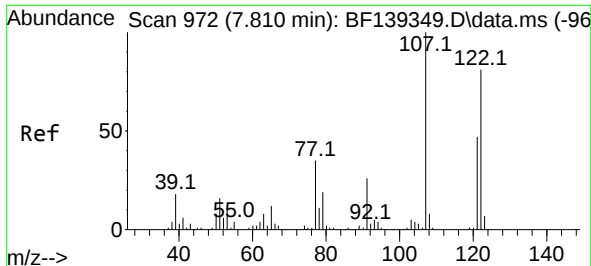
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#26  
2-Nitrophenol  
Concen: 63.478 ng  
RT: 7.775 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:139 Resp: 127689  
Ion Ratio Lower Upper  
139 100  
109 32.7 32.2 48.2  
65 61.6 55.8 83.8





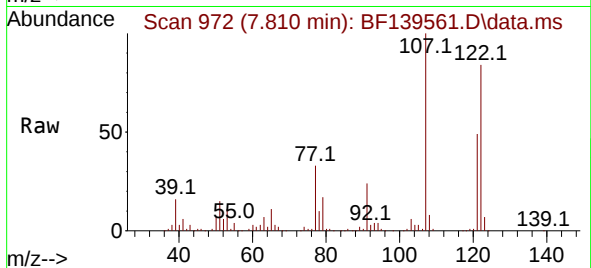
#27  
2,4-Dimethylphenol  
Concen: 72.548 ng  
RT: 7.810 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

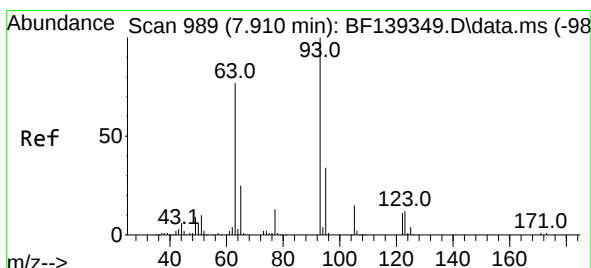
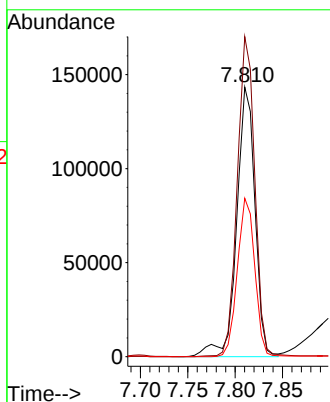
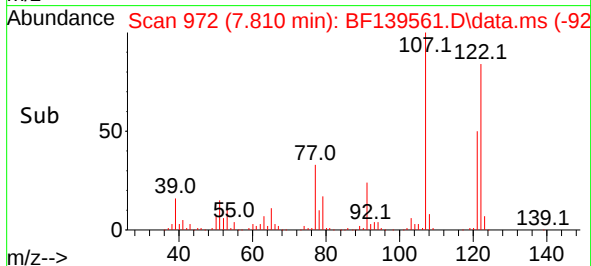


Tgt Ion:122 Resp: 192495  
Ion Ratio Lower Upper  
122 100  
107 118.7 99.1 148.7  
121 58.7 46.6 70.0

Manual Integrations

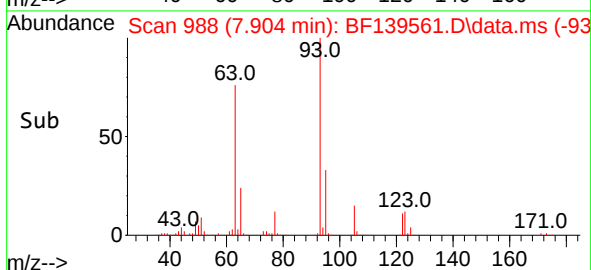
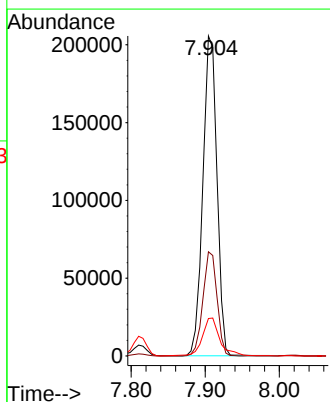
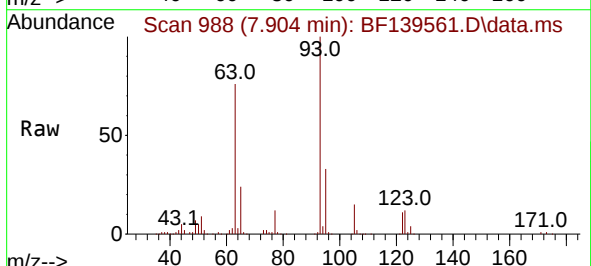
APPROVED

Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 60.264 ng  
RT: 7.904 min Scan# 988  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion: 93 Resp: 272495  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.9 40.3  
123 11.7 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 58.923 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

Tgt Ion:162 Resp: 198619

Ion Ratio Lower Upper

162 100

164 63.7 43.6 83.6

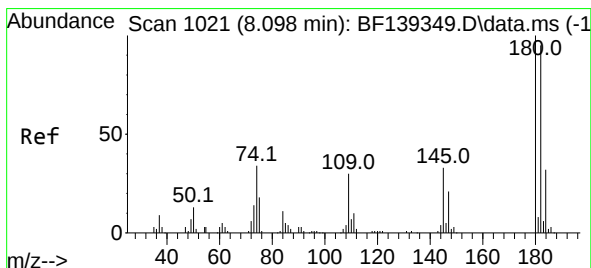
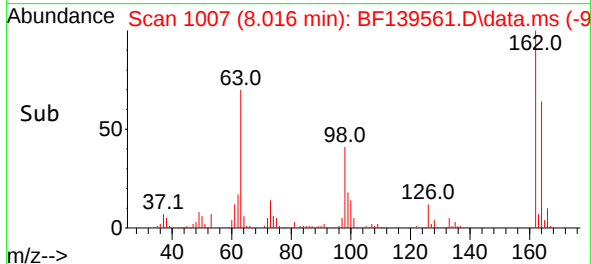
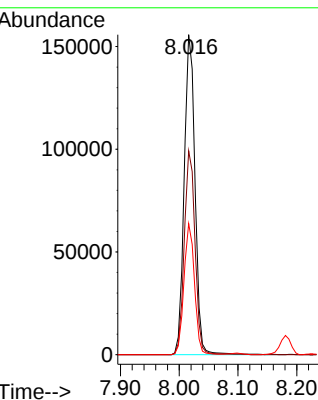
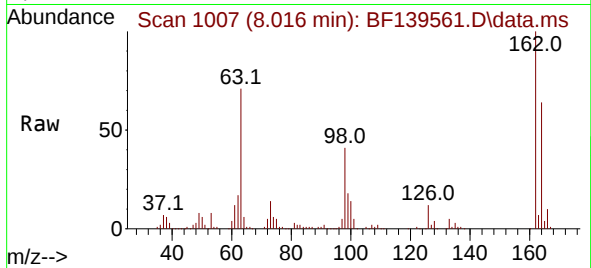
98 41.0 19.7 59.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#30

1,2,4-Trichlorobenzene

Concen: 53.029 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

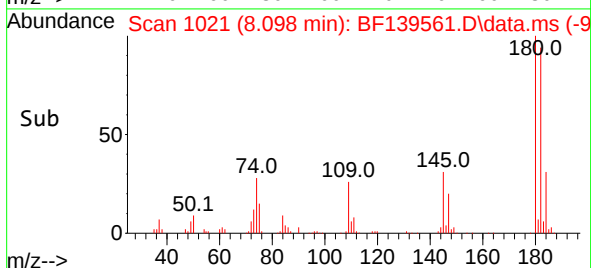
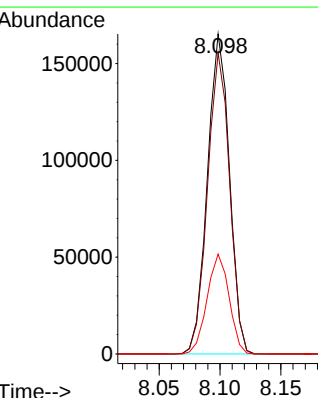
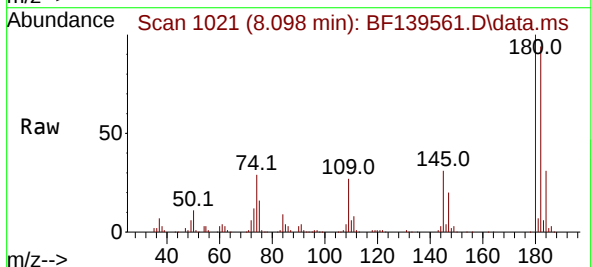
Tgt Ion:180 Resp: 208277

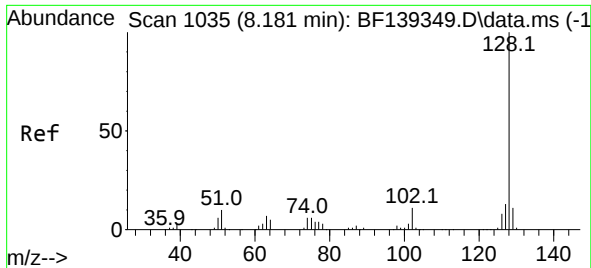
Ion Ratio Lower Upper

180 100

182 94.0 75.7 113.5

145 31.2 26.5 39.7





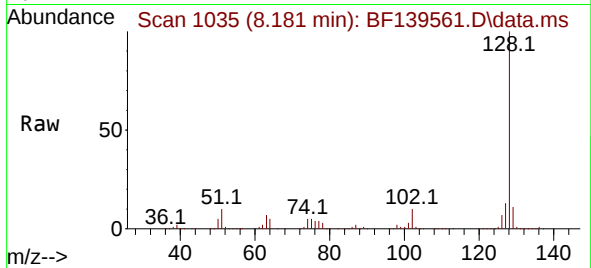
#31  
Naphthalene  
Concen: 56.761 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



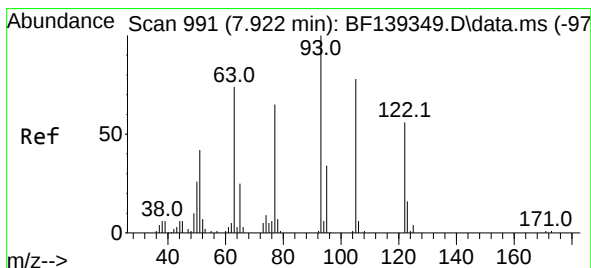
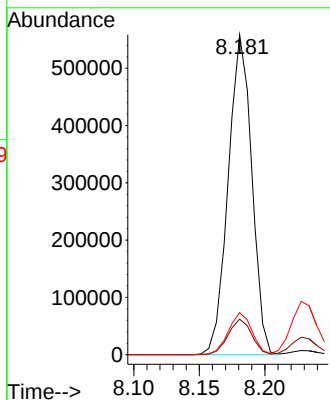
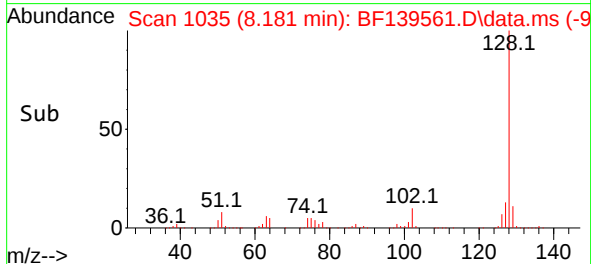
Tgt Ion:128 Resp: 698850  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.1 10.6 16.0

Manual Integrations

APPROVED

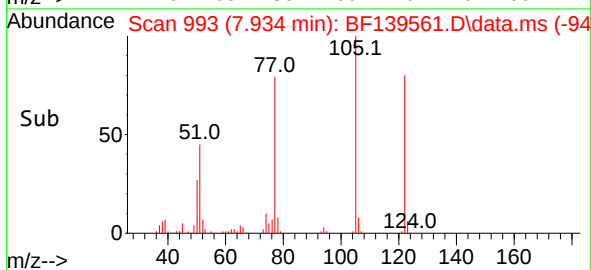
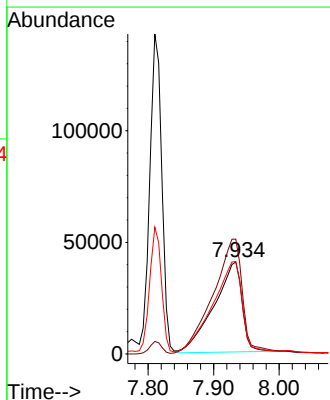
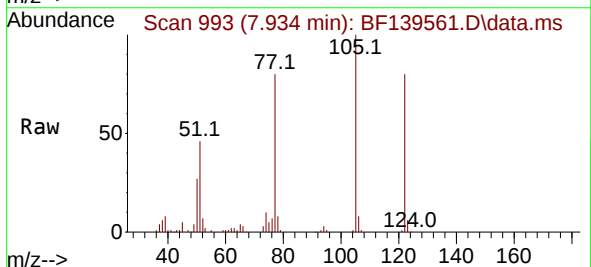
Reviewed By :Yogesh Patel 09/28/2024

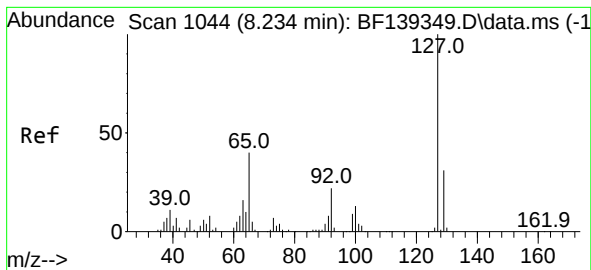
Supervised By :mohammad ahmed 09/28/2024



#32  
Benzoic acid  
Concen: 48.388 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:122 Resp: 120153  
Ion Ratio Lower Upper  
122 100  
105 125.0 117.1 157.1  
77 100.4 95.4 135.4





#33

4-Chloroaniline

Concen: 37.707 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

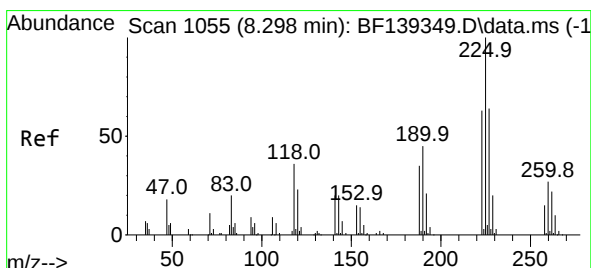
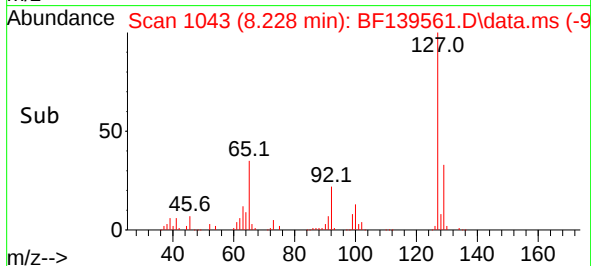
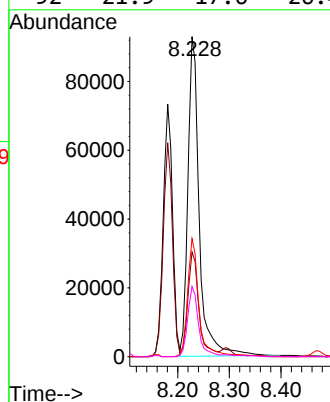
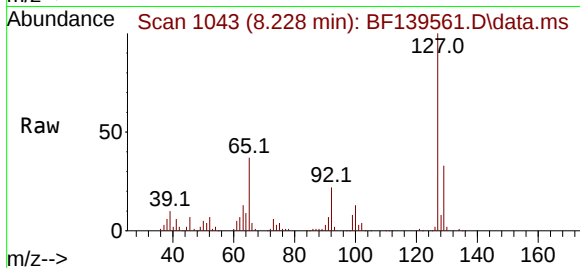
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 142028 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 32.7  | 25.5  | 38.3   |
| 65        | 36.9  | 31.5  | 47.3   |
| 92        | 21.9  | 17.6  | 26.4   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#34

Hexachlorobutadiene

Concen: 48.367 ng

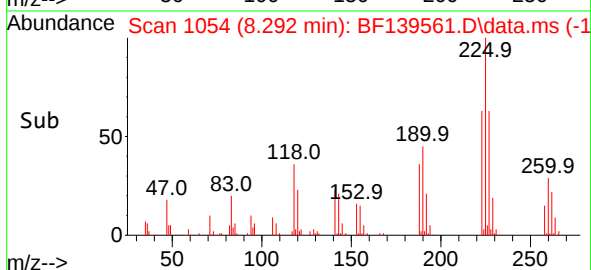
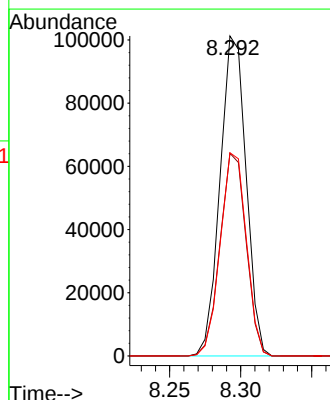
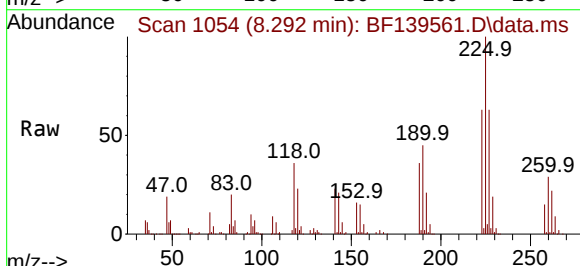
RT: 8.292 min Scan# 1054

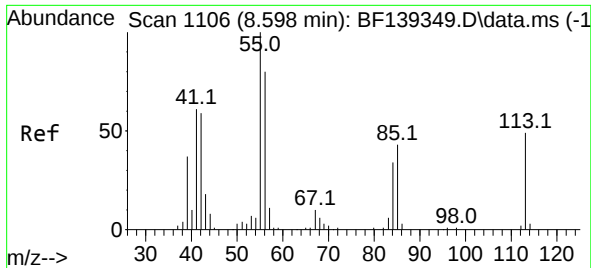
Delta R.T. -0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

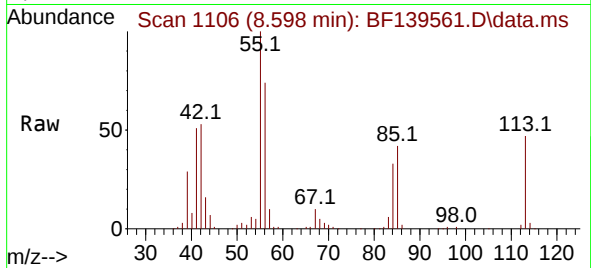
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 129061 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.4  | 50.1  | 75.1   |
| 227       | 63.5  | 51.0  | 76.6   |





#35  
Caprolactam  
Concen: 66.042 ng m  
RT: 8.598 min Scan# 1106  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

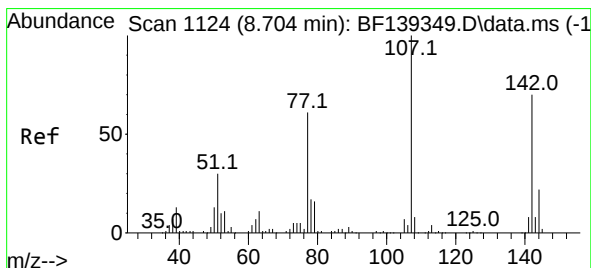
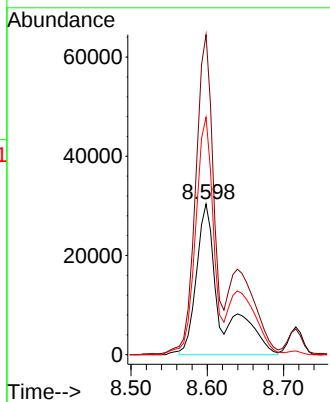
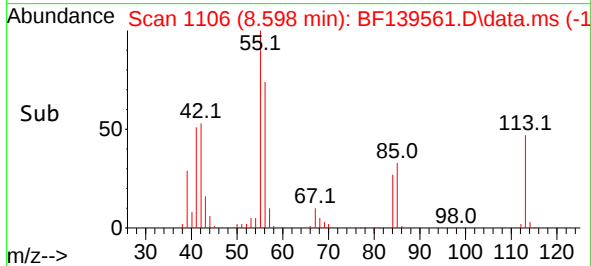
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion:113 Resp: 68480  
Ion Ratio Lower Upper  
113 100  
55 212.4 186.1 226.1  
56 157.6 144.9 184.9

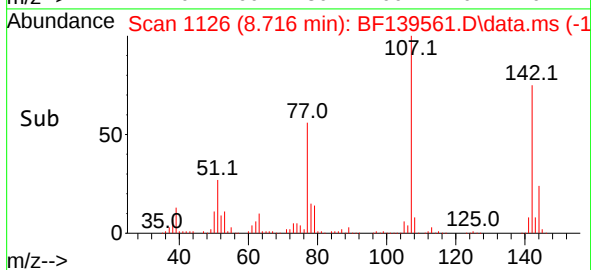
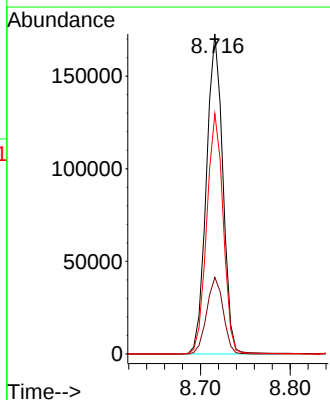
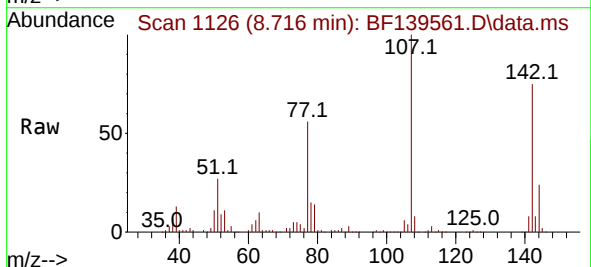
Manual Integrations  
APPROVED

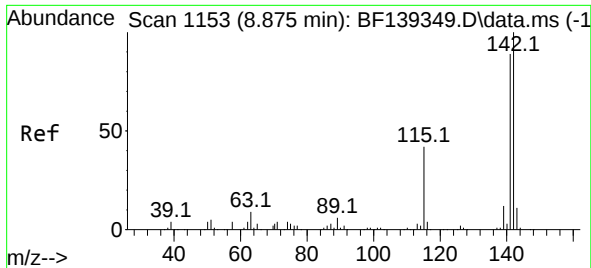
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#36  
4-Chloro-3-methylphenol  
Concen: 57.054 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:107 Resp: 219796  
Ion Ratio Lower Upper  
107 100  
144 24.0 17.5 26.3  
142 75.1 55.8 83.8





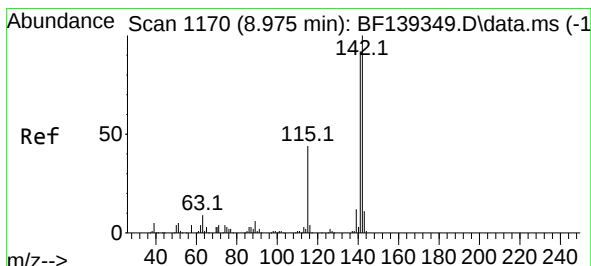
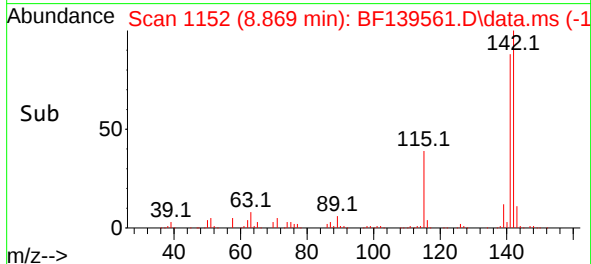
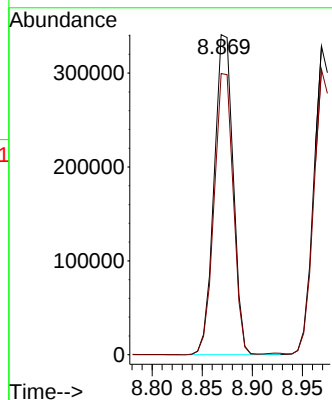
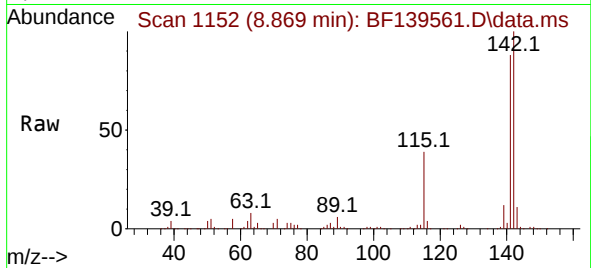
#37  
2-Methylnaphthalene  
Concen: 57.679 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD

Tgt Ion:142 Resp: 450750  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.6 107.4

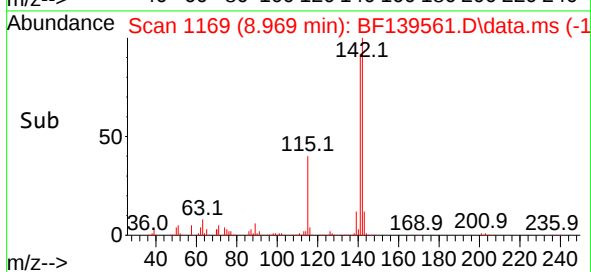
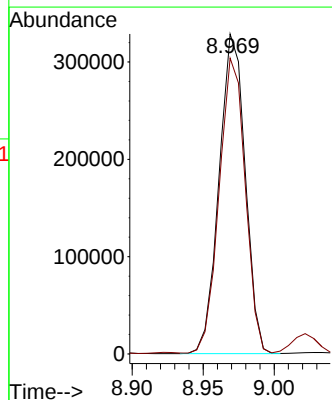
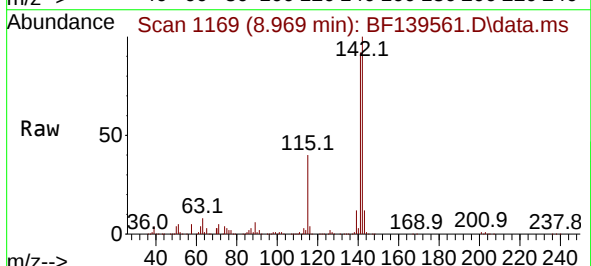
Manual Integrations  
APPROVED

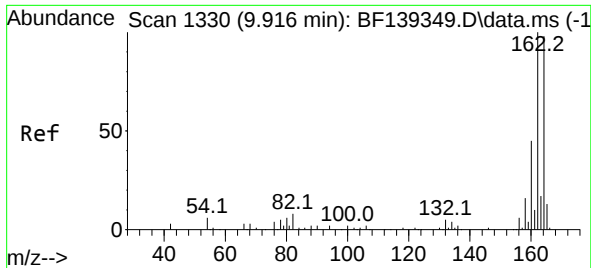
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#38  
1-Methylnaphthalene  
Concen: 54.696 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:142 Resp: 419653  
Ion Ratio Lower Upper  
142 100  
141 92.4 73.2 109.8





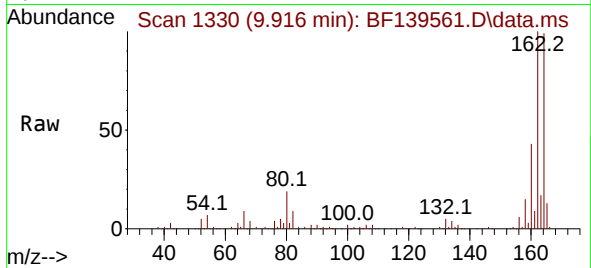
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



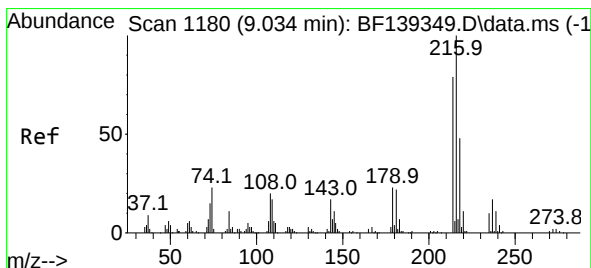
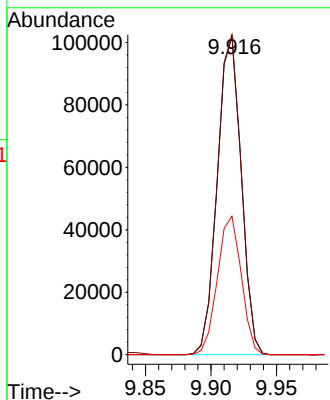
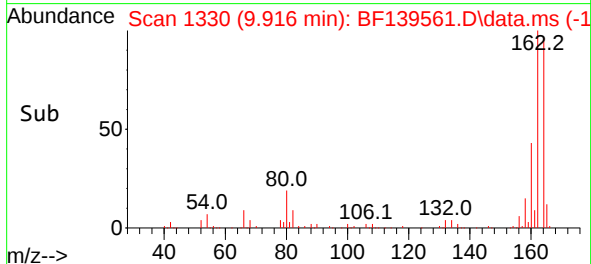
Tgt Ion:164 Resp: 128778  
Ion Ratio Lower Upper  
164 100  
162 100.7 81.3 121.9  
160 43.6 36.4 54.6

Manual Integrations

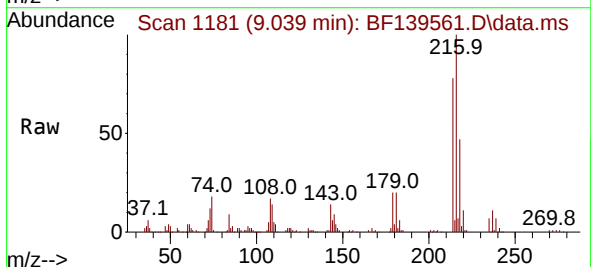
APPROVED

Reviewed By :Yogesh Patel 09/28/2024

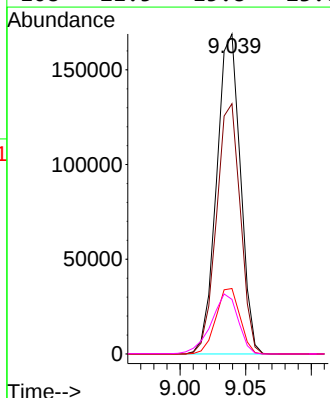
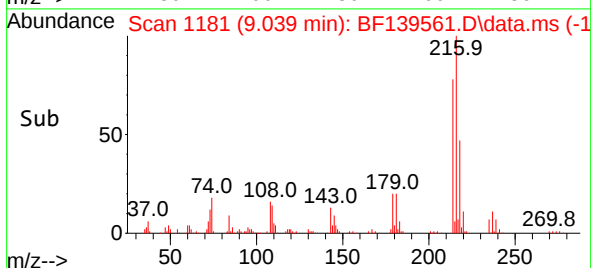
Supervised By :mohammad ahmed 09/28/2024

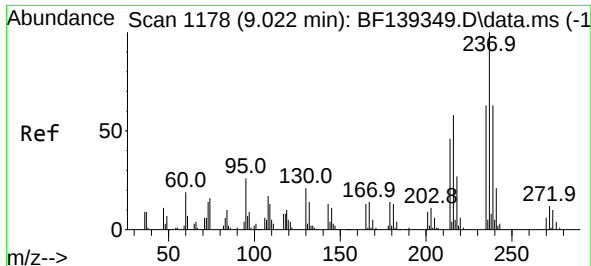


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 55.753 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



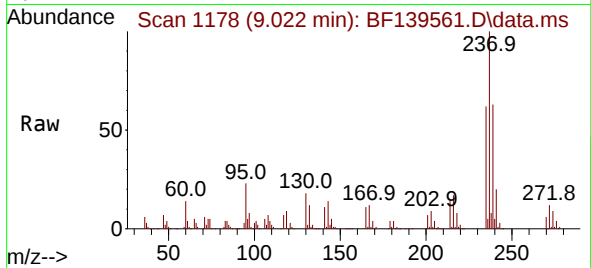
Tgt Ion:216 Resp: 212784  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.4 95.0  
179 20.7 18.2 27.2  
108 21.5 15.8 23.6





#41  
Hexachlorocyclopentadiene  
Concen: 171.488 ng  
RT: 9.022 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

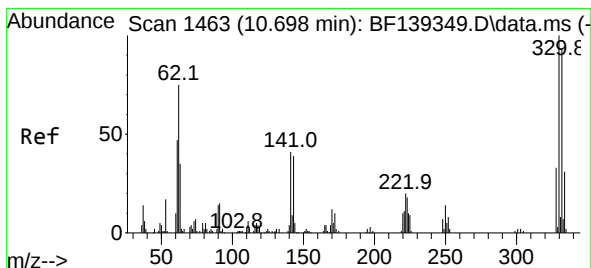
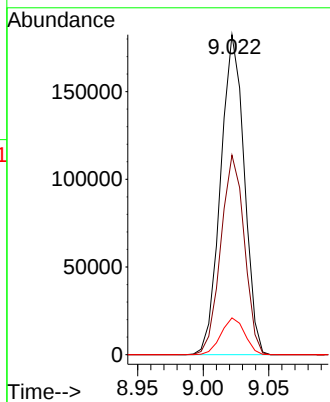
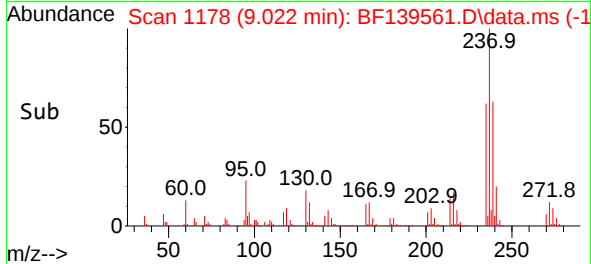
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



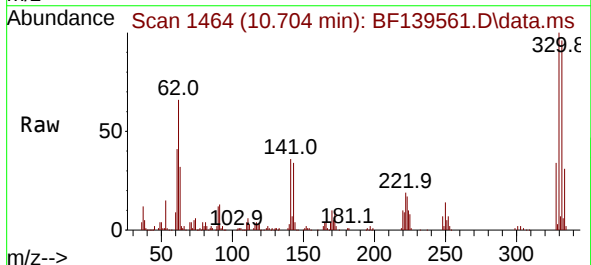
Tgt Ion: 237 Resp: 22852  
Ion Ratio Lower Upper  
237 100  
235 62.3 42.7 82.7  
272 11.5 0.0 32.5

Manual Integrations  
APPROVED

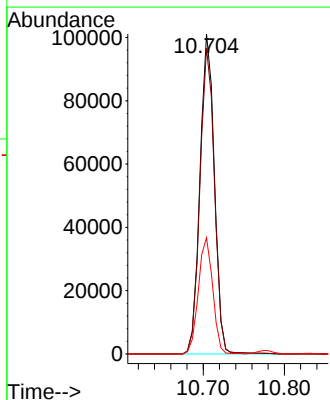
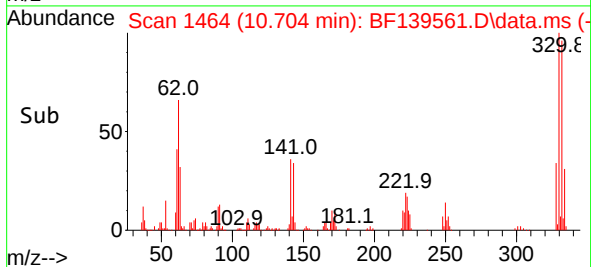
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

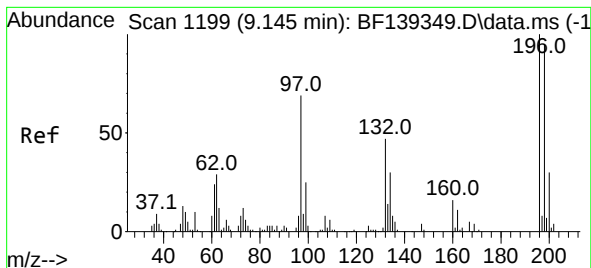


#42  
2,4,6-Tribromophenol  
Concen: 90.846 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



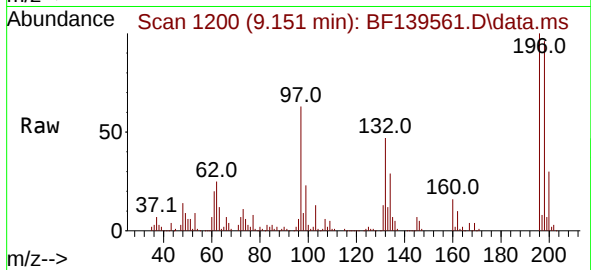
Tgt Ion: 330 Resp: 124549  
Ion Ratio Lower Upper  
330 100  
332 95.9 75.2 112.8  
141 36.2 31.2 46.8





#43  
2,4,6-Trichlorophenol  
Concen: 59.187 ng  
RT: 9.151 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

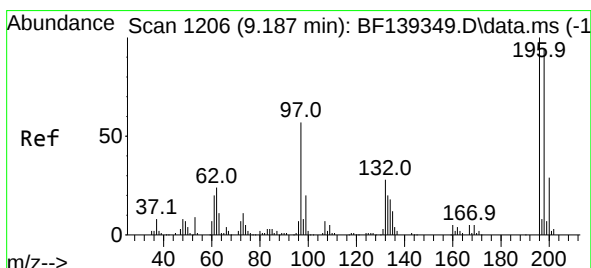
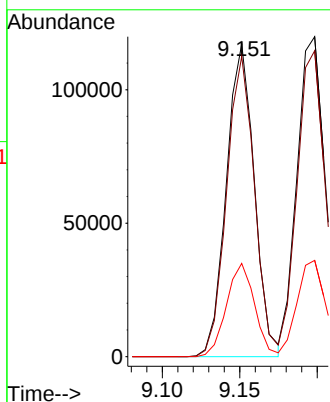
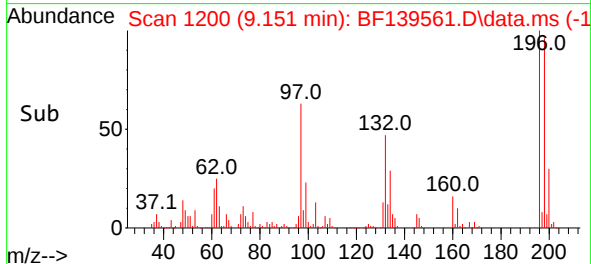
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



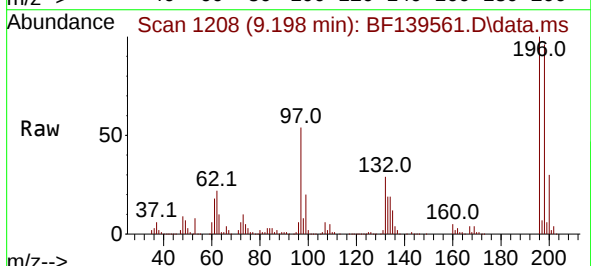
Tgt Ion:196 Resp: 146964  
Ion Ratio Lower Upper  
196 100  
198 96.0 75.8 113.6  
200 29.8 24.1 36.1

Manual Integrations  
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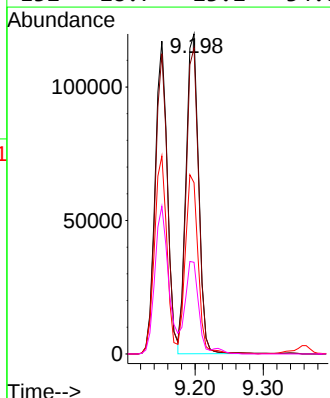
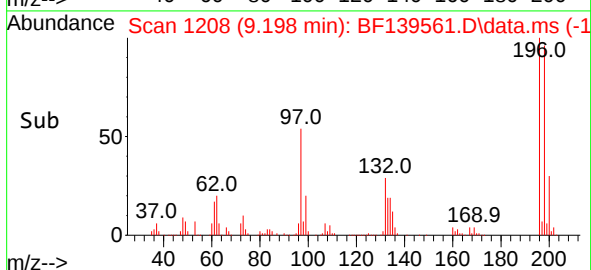
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

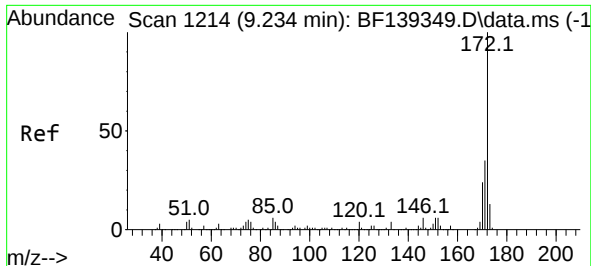


#44  
2,4,5-Trichlorophenol  
Concen: 58.394 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



Tgt Ion:196 Resp: 152946  
Ion Ratio Lower Upper  
196 100  
198 95.6 74.8 112.2  
97 53.5 47.3 70.9  
132 28.7 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 61.314 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

Tgt Ion:172 Resp: 56298

Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

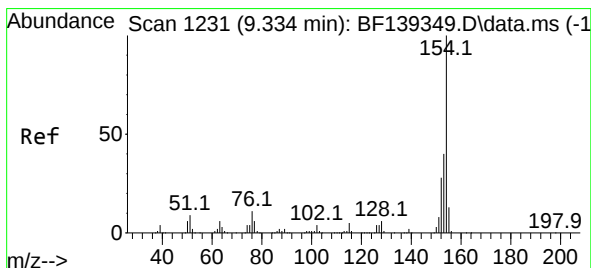
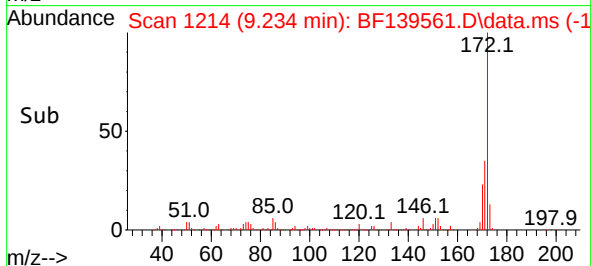
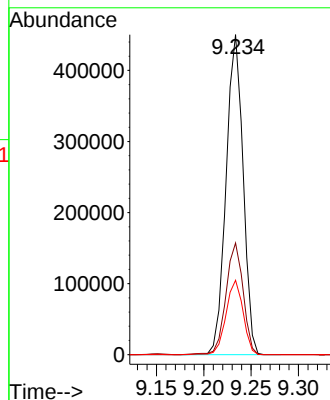
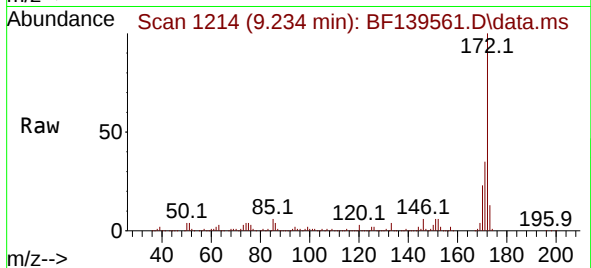
170 23.3 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#46

1,1'-Biphenyl

Concen: 56.899 ng

RT: 9.334 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

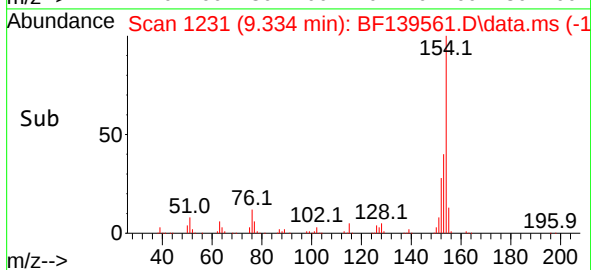
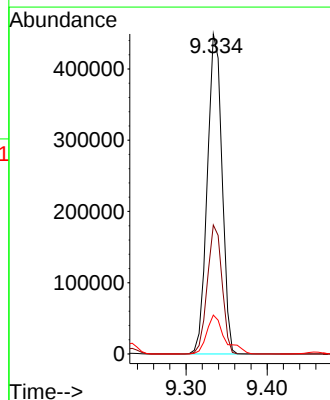
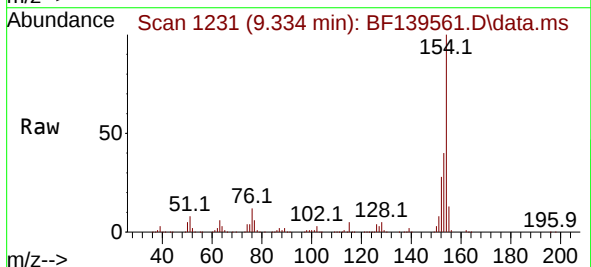
Tgt Ion:154 Resp: 563709

Ion Ratio Lower Upper

154 100

153 40.3 20.1 60.1

76 12.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 56.879 ng

RT: 9.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139561.D

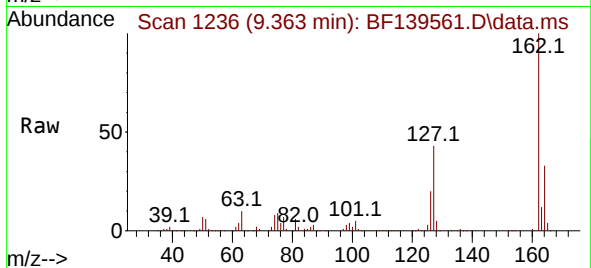
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



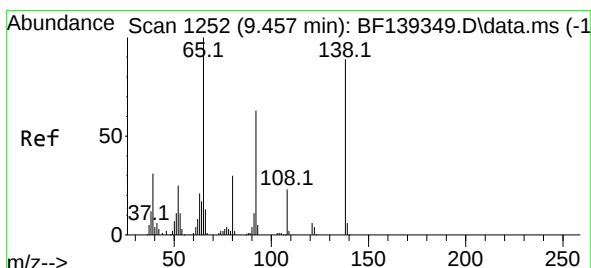
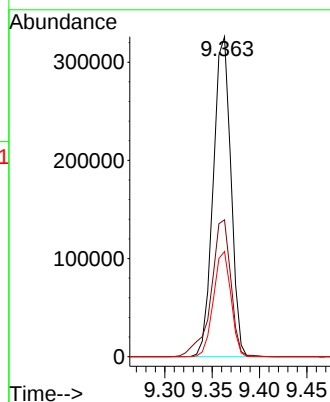
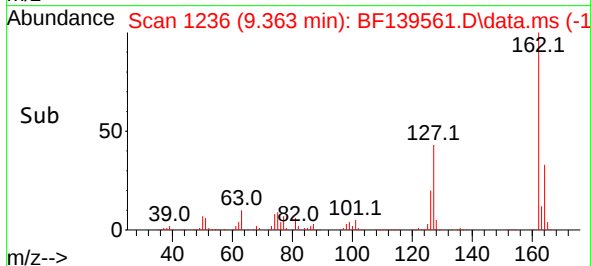
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 42133 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 127       | 42.8  | 35.0  | 52.4  |
| 164       | 32.9  | 25.8  | 38.6  |

Manual Integrations

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Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#48

2-Nitroaniline

Concen: 61.632 ng

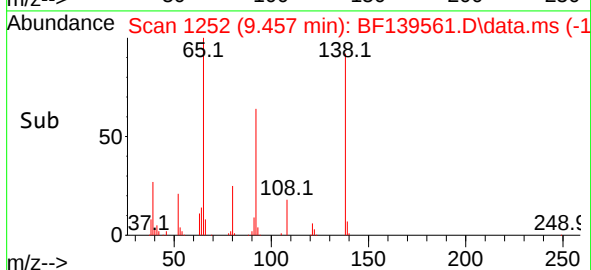
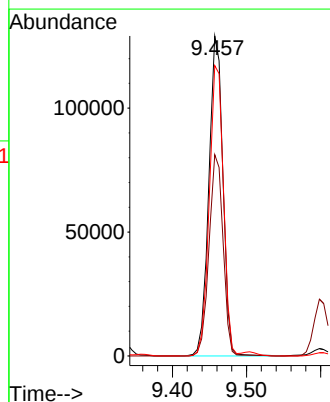
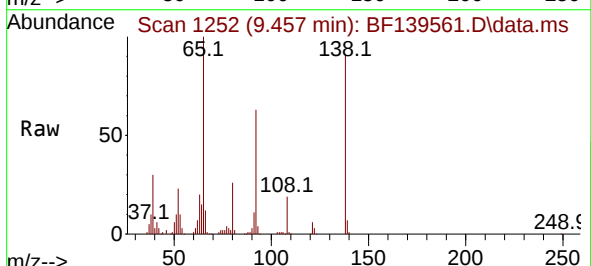
RT: 9.457 min Scan# 1252

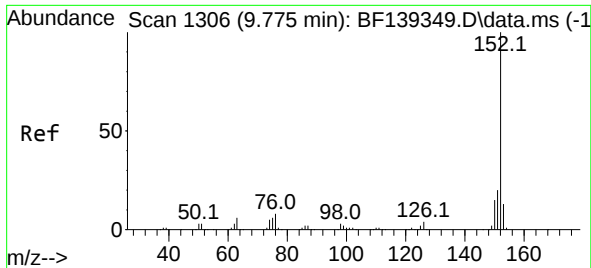
Delta R.T. -0.000 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 169811 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 62.9  | 50.3  | 75.5   |
| 138       | 90.8  | 71.3  | 106.9  |





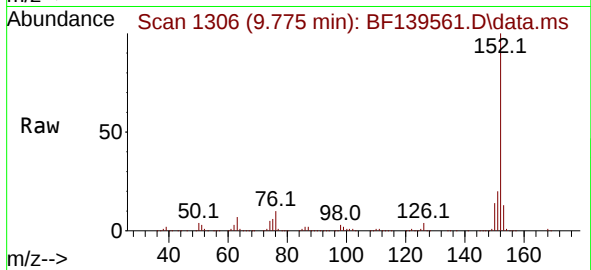
#49  
Acenaphthylene  
Concen: 63.627 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



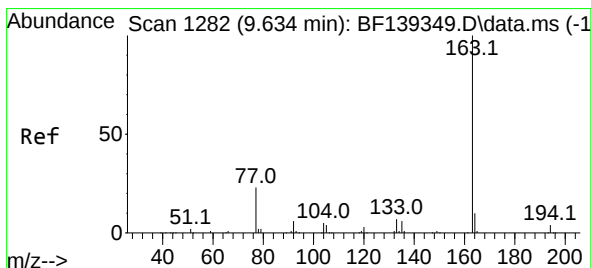
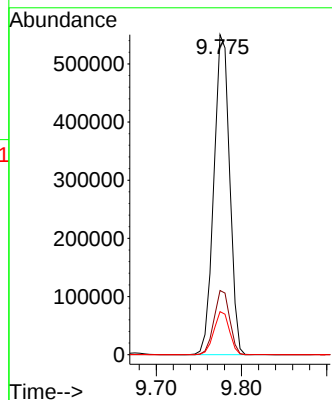
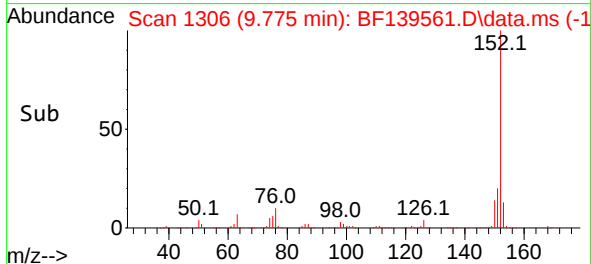
Tgt Ion:152 Resp: 709488  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2  
153 13.5 10.3 15.5

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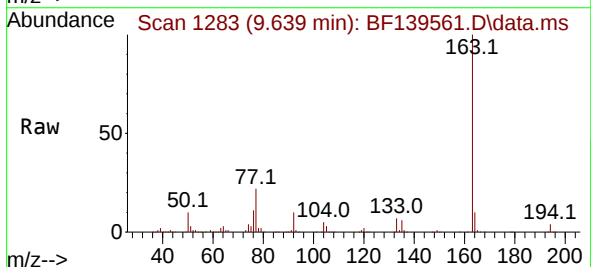
APPROVED

Reviewed By :Yogesh Patel 09/28/2024

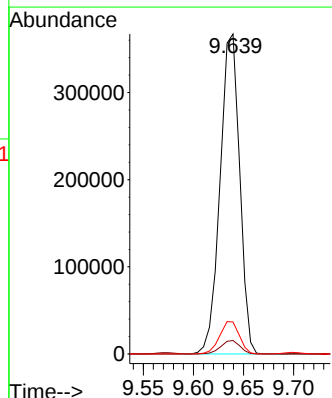
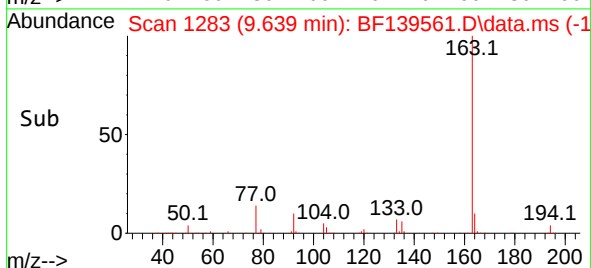
Supervised By :mohammad ahmed 09/28/2024

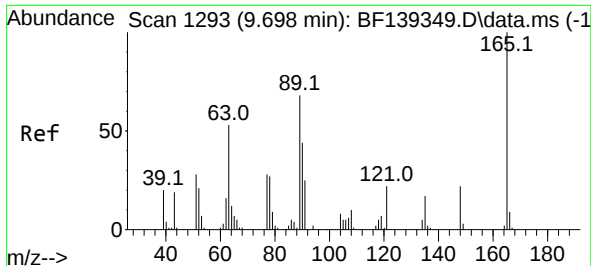


#50  
Dimethylphthalate  
Concen: 59.030 ng  
RT: 9.639 min Scan# 1283  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



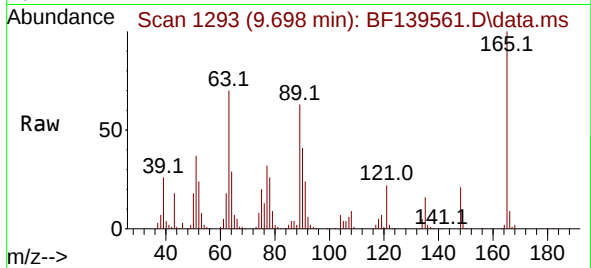
Tgt Ion:163 Resp: 498933  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 10.0 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 60.643 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

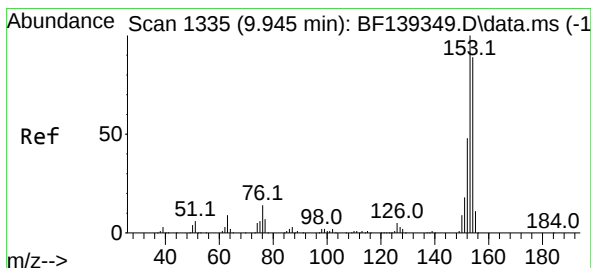
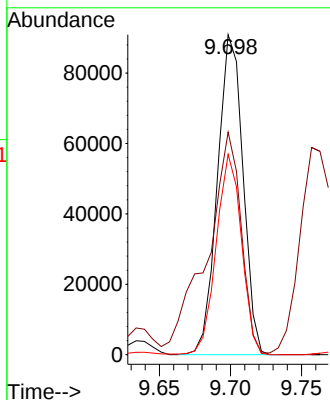
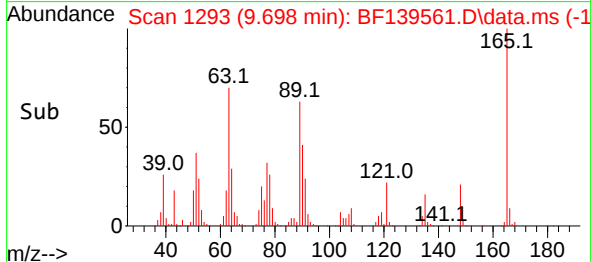
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



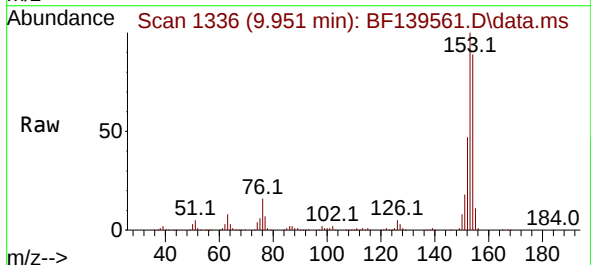
Tgt Ion:165 Resp: 113550  
Ion Ratio Lower Upper  
165 100  
63 69.5 60.9 91.3  
89 62.6 54.7 82.1

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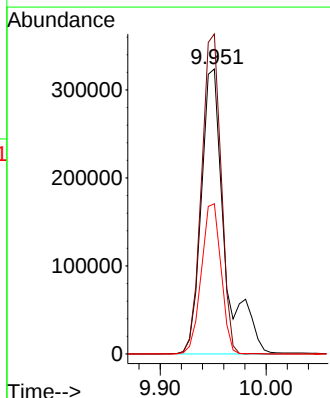
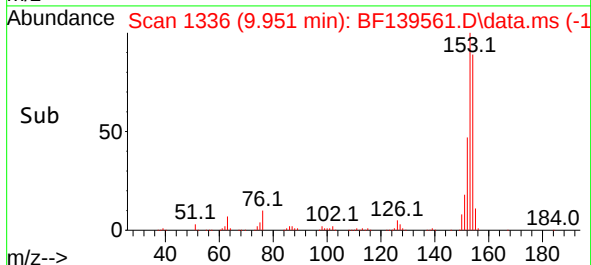
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

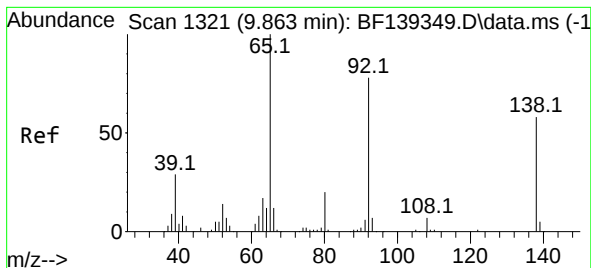


#52  
Acenaphthene  
Concen: 64.270 ng m  
RT: 9.951 min Scan# 1336  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



Tgt Ion:154 Resp: 500175  
Ion Ratio Lower Upper  
154 100  
153 112.3 89.5 134.3  
152 52.7 42.6 64.0





#53

3-Nitroaniline

Concen: 51.835 ng

RT: 9.869 min Scan# 1321

Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

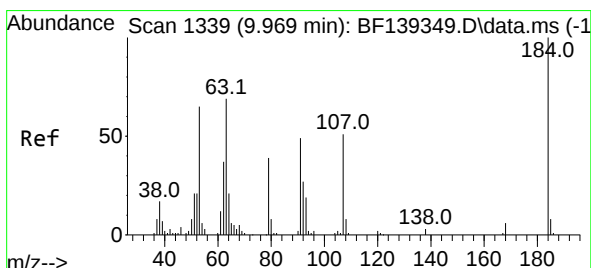
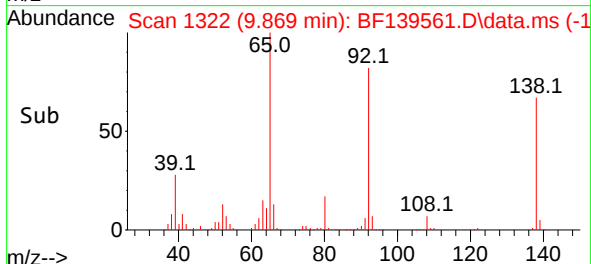
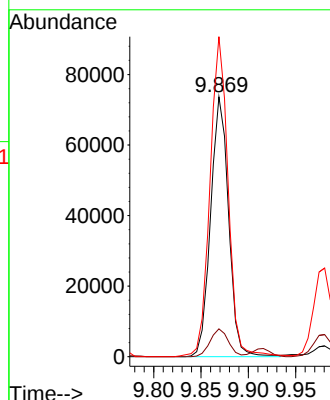
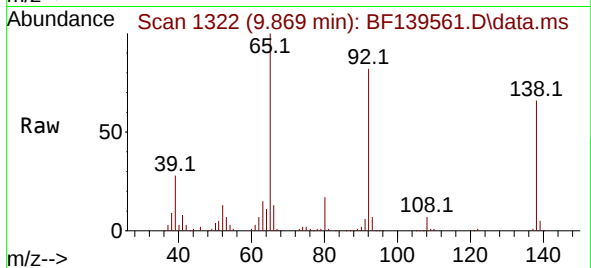
Tgt Ion:138 Resp: 96998  
 Ion Ratio Lower Upper  
 138 100  
 108 10.7 9.8 14.8  
 92 123.2 107.4 161.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#54

2,4-Dinitrophenol

Concen: 120.188 ng

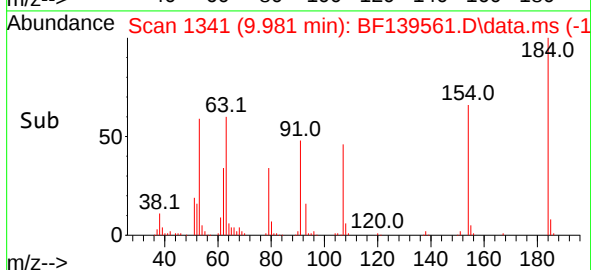
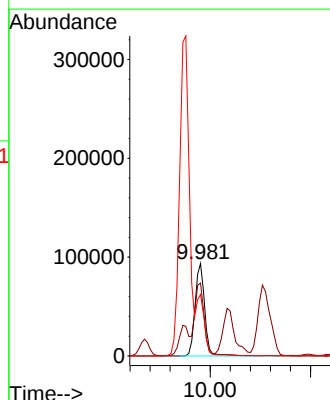
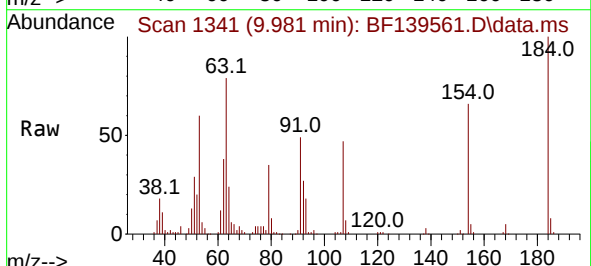
RT: 9.981 min Scan# 1341

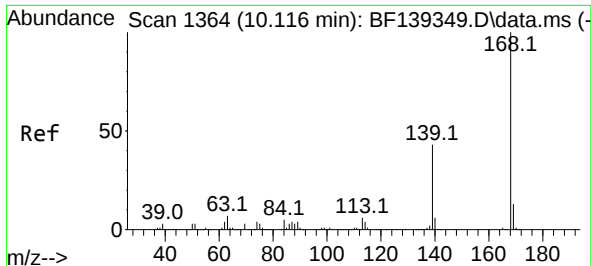
Delta R.T. 0.012 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Tgt Ion:184 Resp: 125400  
 Ion Ratio Lower Upper  
 184 100  
 63 78.9 69.3 103.9  
 154 66.4 67.5 101.3





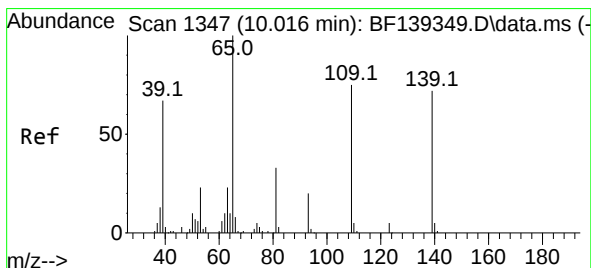
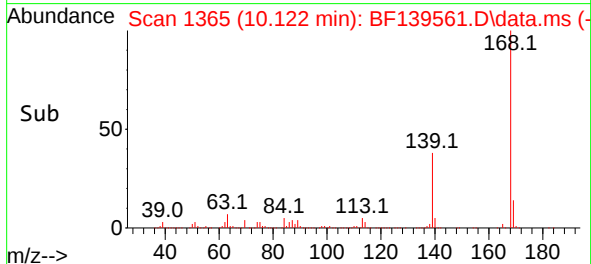
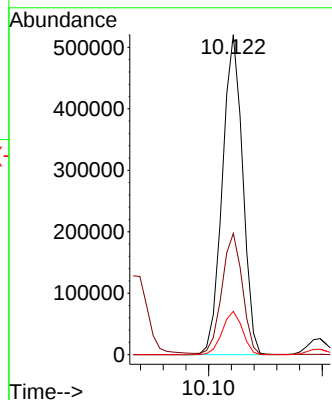
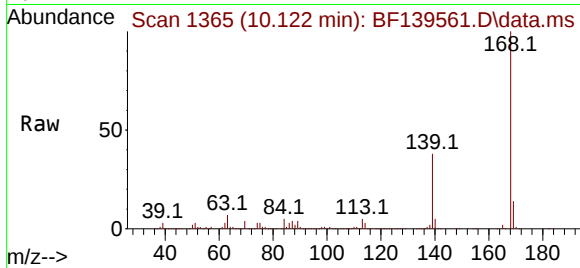
#55  
Dibenzenofuran  
Concen: 59.634 ng  
RT: 10.122 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD

Tgt Ion:168 Resp: 646862  
Ion Ratio Lower Upper  
168 100  
139 37.9 34.1 51.1  
169 13.5 10.5 15.7

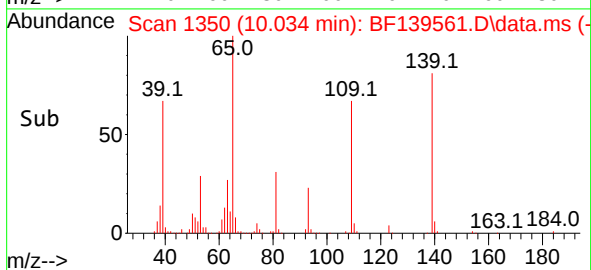
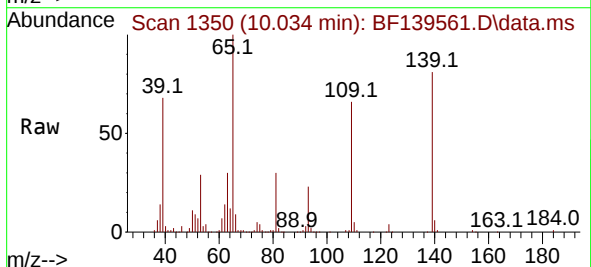
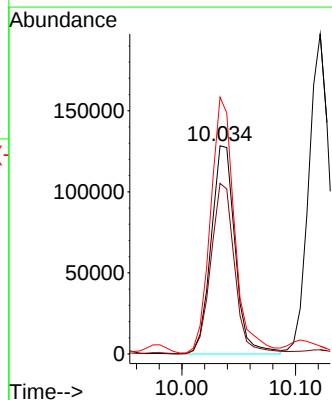
Manual Integrations  
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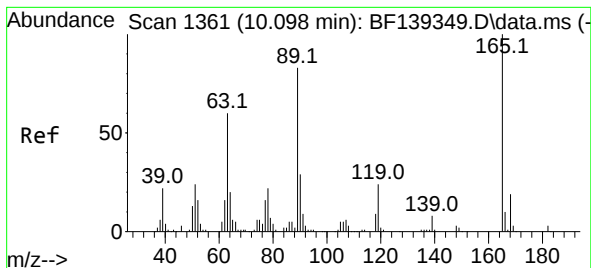
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#56  
4-Nitrophenol  
Concen: 121.684 ng  
RT: 10.034 min Scan# 1350  
Delta R.T. 0.018 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:139 Resp: 188415  
Ion Ratio Lower Upper  
139 100  
109 81.9 84.1 124.1#  
65 123.4 120.0 160.0





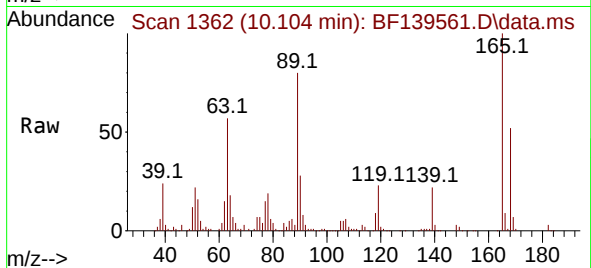
#57  
2,4-Dinitrotoluene  
Concen: 62.869 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



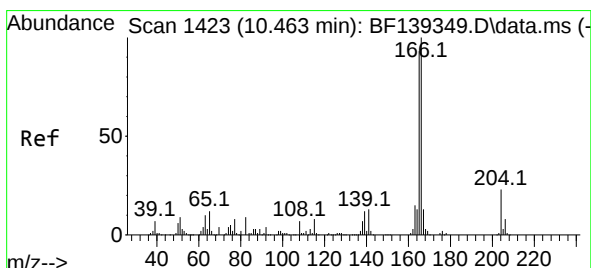
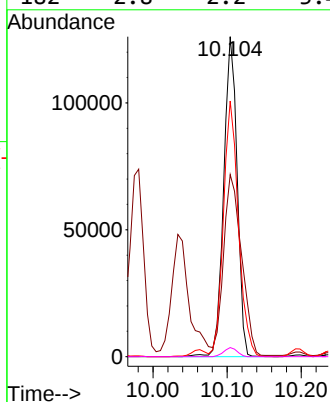
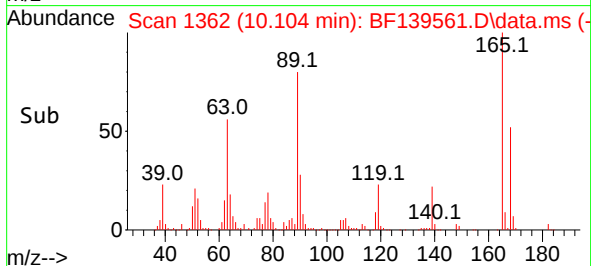
Tgt Ion:165 Resp: 158929  
Ion Ratio Lower Upper  
165 100  
63 56.9 47.8 71.6  
89 79.9 66.7 100.1  
182 2.8 2.2 3.4

Manual Integrations

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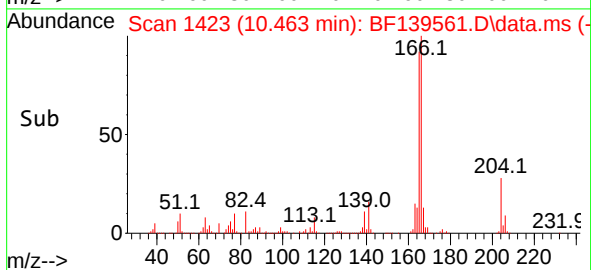
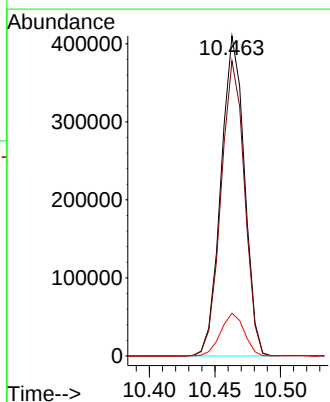
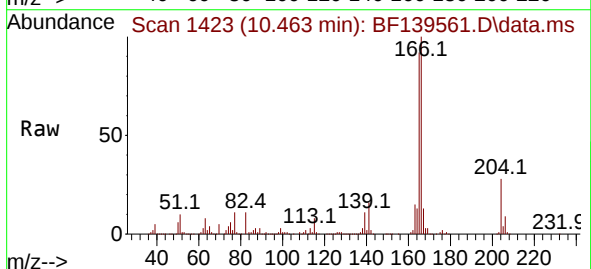
Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#58  
Fluorene  
Concen: 57.569 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

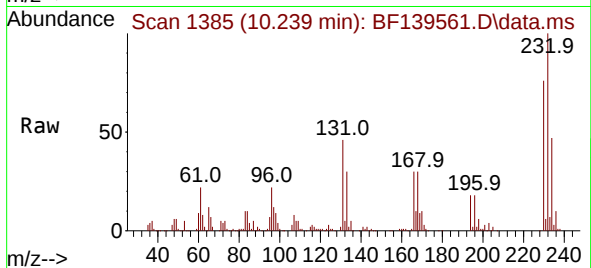
Tgt Ion:166 Resp: 509501  
Ion Ratio Lower Upper  
166 100  
165 92.2 74.5 111.7  
167 13.3 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 61.644 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

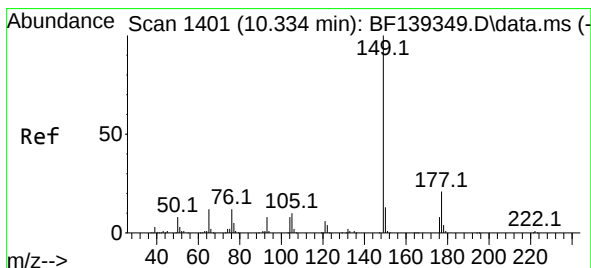
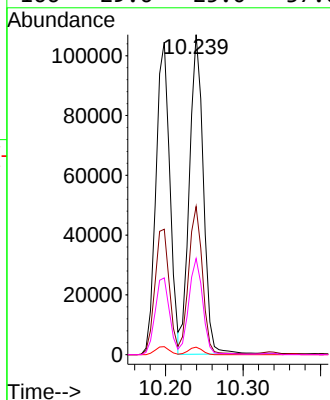
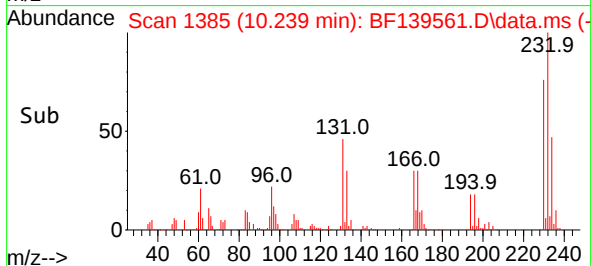
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



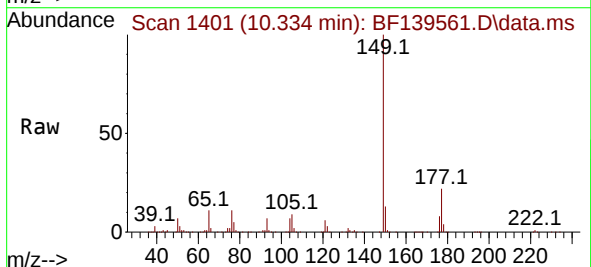
Tgt Ion:232 Resp: 133562  
Ion Ratio Lower Upper  
232 100  
131 46.5 40.7 61.1  
130 2.4 2.2 3.2  
166 29.6 25.0 37.6

Manual Integrations  
APPROVED

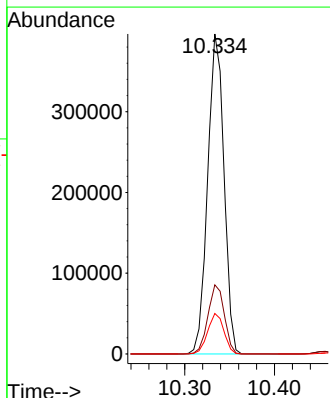
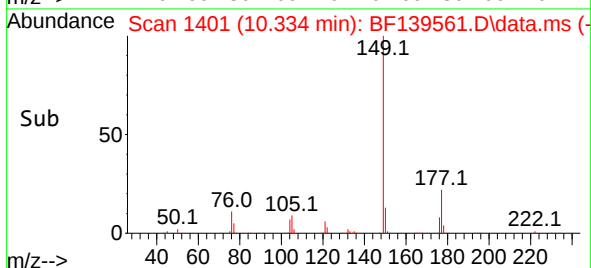
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

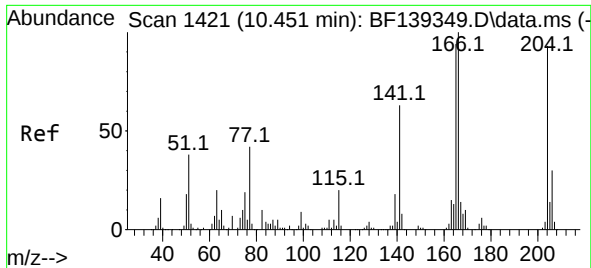


#60  
Diethylphthalate  
Concen: 57.312 ng  
RT: 10.334 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



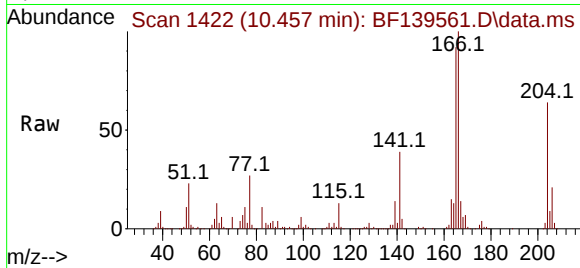
Tgt Ion:149 Resp: 499895  
Ion Ratio Lower Upper  
149 100  
177 21.6 16.6 24.8  
150 12.6 10.6 15.8





#61  
4-Chlorophenyl-phenylether  
Concen: 55.030 ng  
RT: 10.457 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

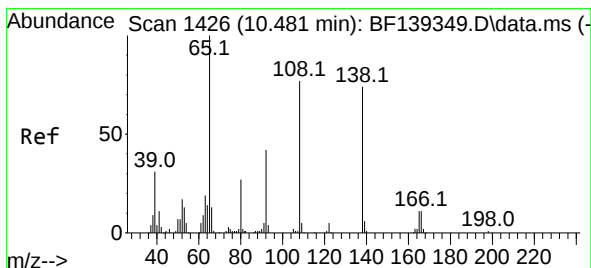
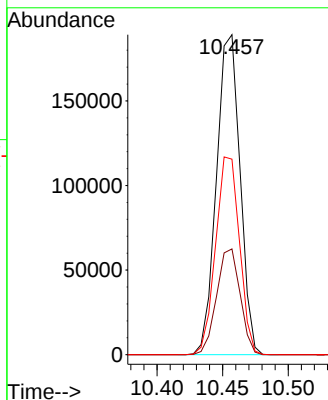
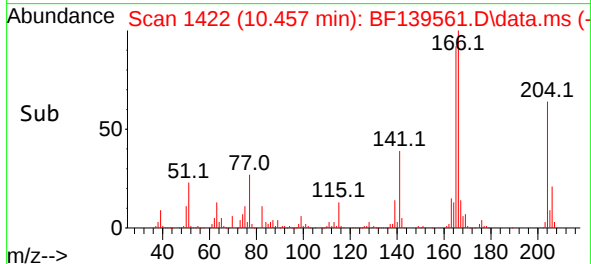
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



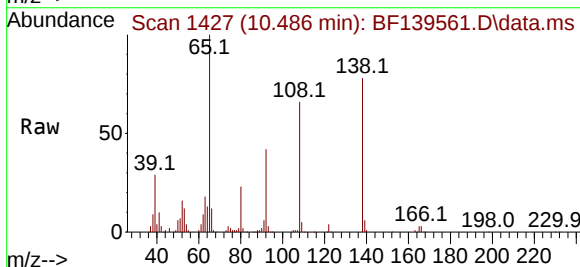
Tgt Ion:204 Resp: 23669  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.2 39.2  
141 61.1 53.9 80.9

Manual Integrations  
APPROVED

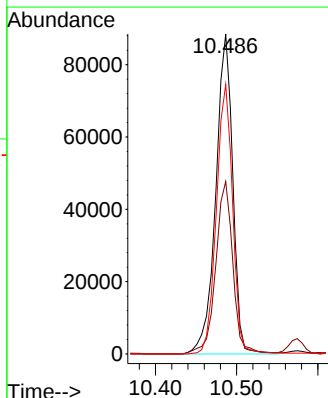
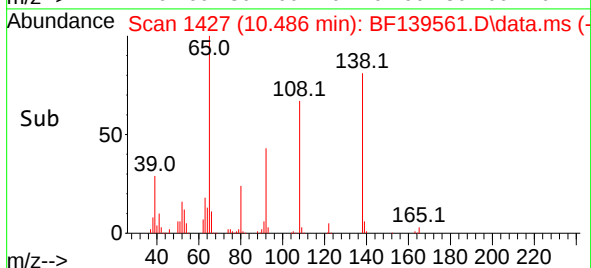
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

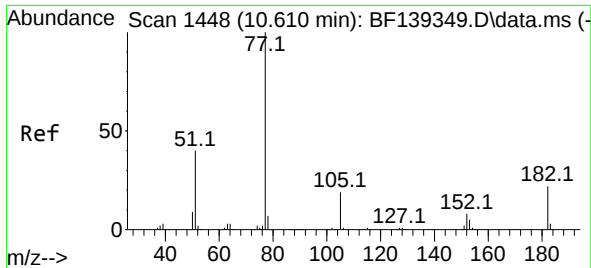


#62  
4-Nitroaniline  
Concen: 63.316 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



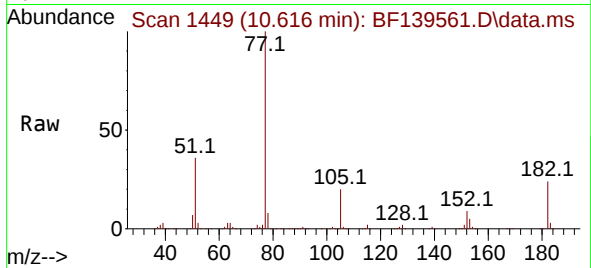
Tgt Ion:138 Resp: 129310  
Ion Ratio Lower Upper  
138 100  
92 53.9 37.0 77.0  
108 84.2 84.4 124.4#





#63  
Azobenzene  
Concen: 60.122 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

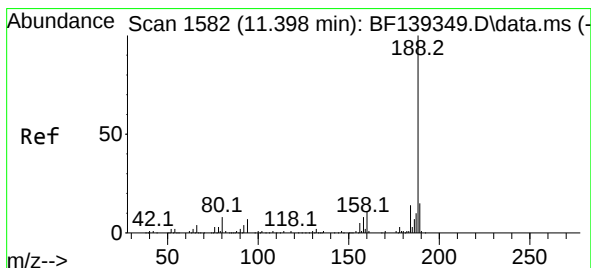
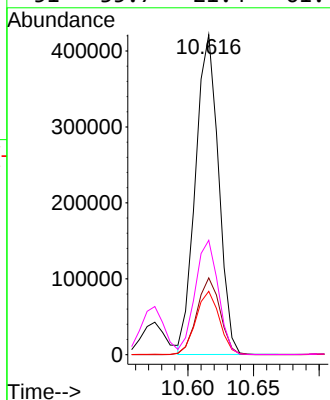
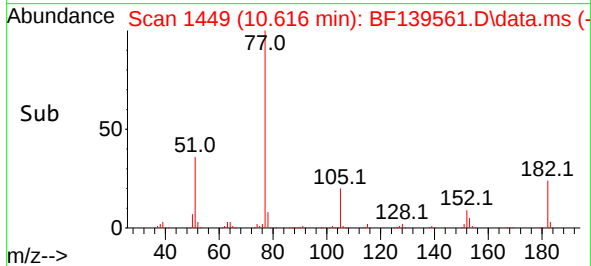
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion: 77 Resp: 515780  
Ion Ratio Lower Upper  
77 100  
182 24.0 1.8 41.8  
105 19.8 0.0 38.6  
51 35.7 21.4 61.4

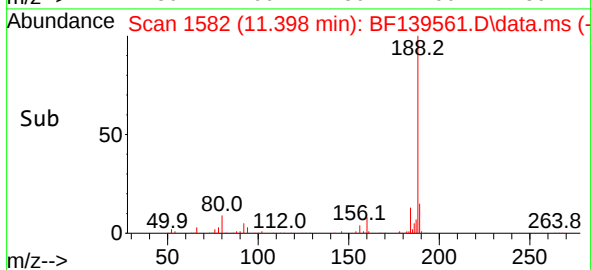
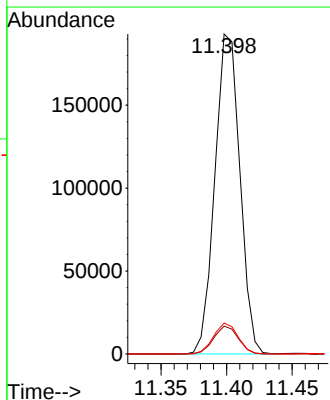
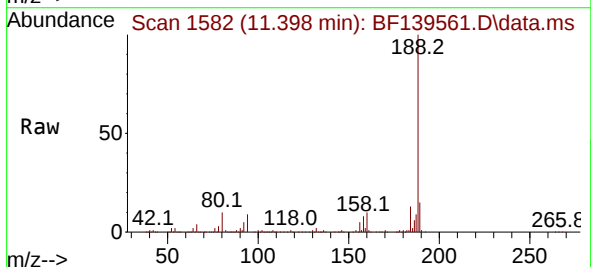
Manual Integrations  
APPROVED

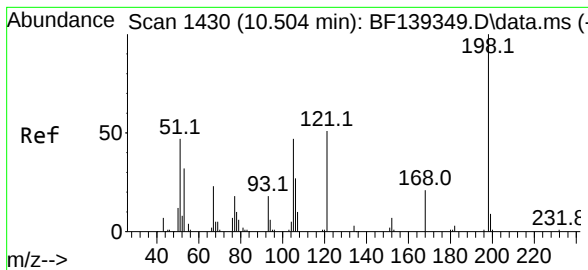
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

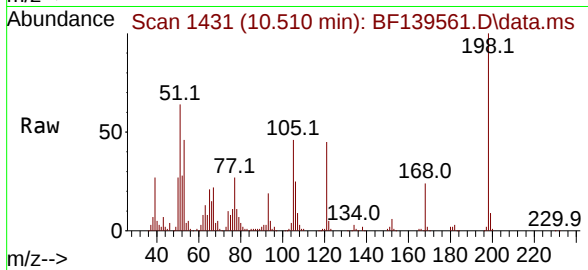
Tgt Ion:188 Resp: 255931  
Ion Ratio Lower Upper  
188 100  
94 8.7 5.5 8.3#  
80 9.7 6.6 9.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 63.406 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

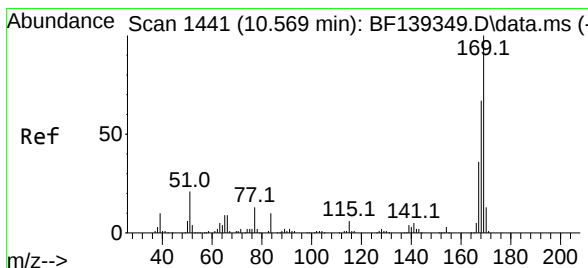
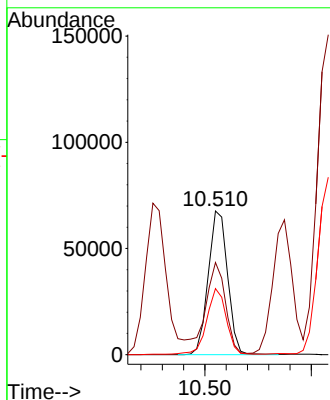
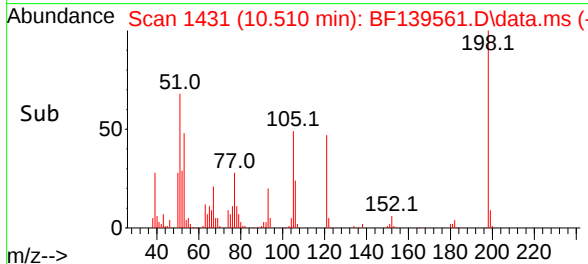
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion:198 Resp: 85640  
Ion Ratio Lower Upper  
198 100  
51 64.1 50.4 90.4  
105 46.0 28.3 68.3

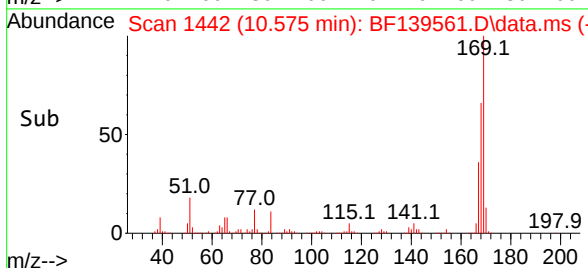
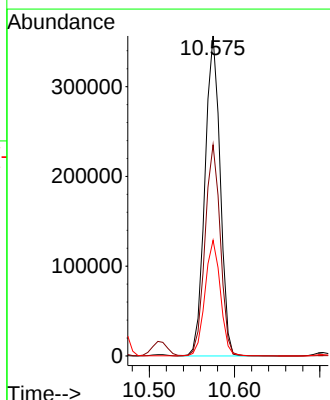
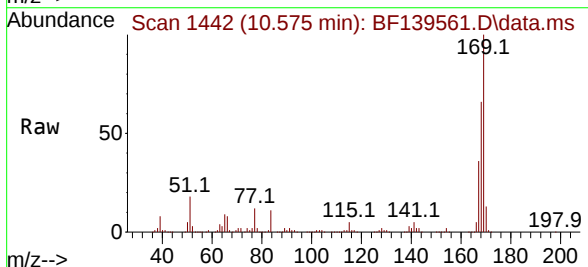
Manual Integrations  
APPROVED

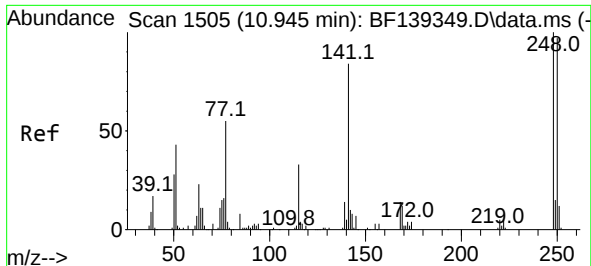
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#66  
n-Nitrosodiphenylamine  
Concen: 59.083 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:169 Resp: 442088  
Ion Ratio Lower Upper  
169 100  
168 66.0 53.6 80.4  
167 36.2 28.7 43.1





#67  
4-Bromophenyl-phenylether  
Concen: 56.432 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

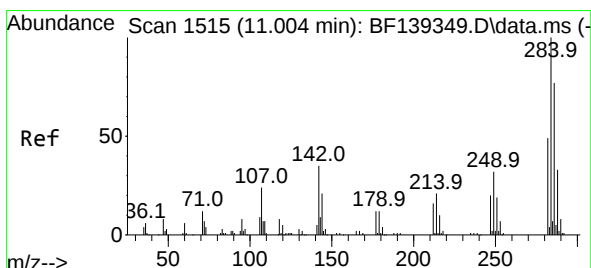
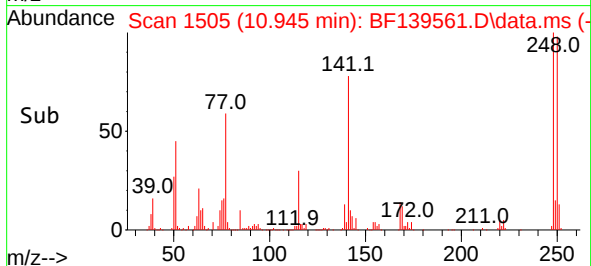
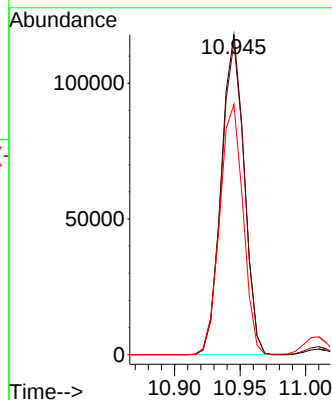
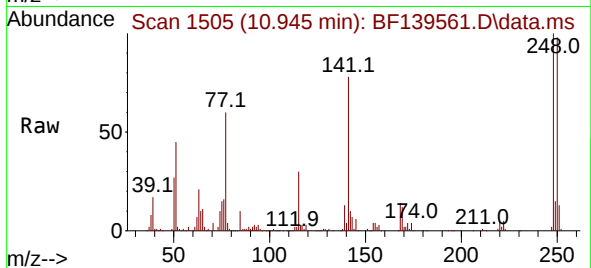
TP-TMSD

Tgt Ion:248 Resp: 14312  
Ion Ratio Lower Upper  
248 100  
250 97.6 77.6 116.4  
141 78.2 66.9 100.3

Manual Integrations

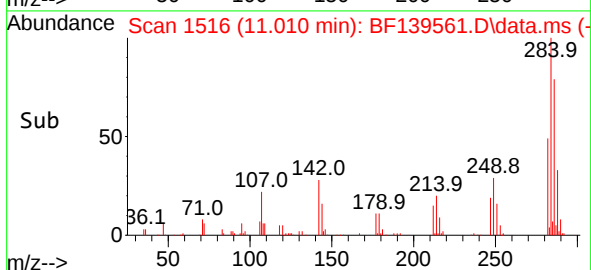
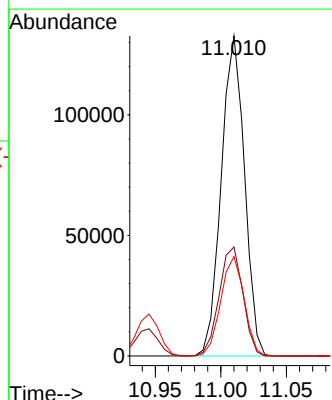
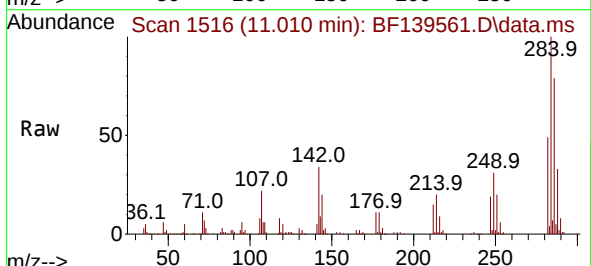
APPROVED

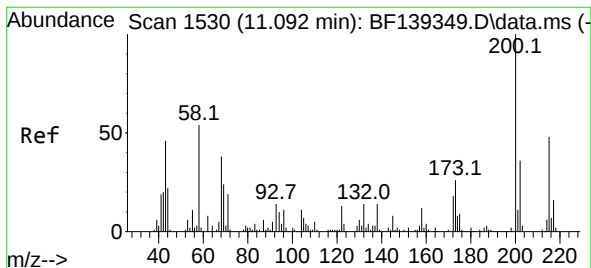
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#68  
Hexachlorobenzene  
Concen: 54.877 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

Tgt Ion:284 Resp: 163345  
Ion Ratio Lower Upper  
284 100  
142 34.0 28.0 42.0  
249 31.0 25.3 37.9





#69

Atrazine

Concen: 78.925 ng

RT: 11.104 min Scan# 1530

Delta R.T. 0.012 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

Tgt Ion:200 Resp: 14059

Ion Ratio Lower Upper

200 100

173 27.0 6.1 46.1

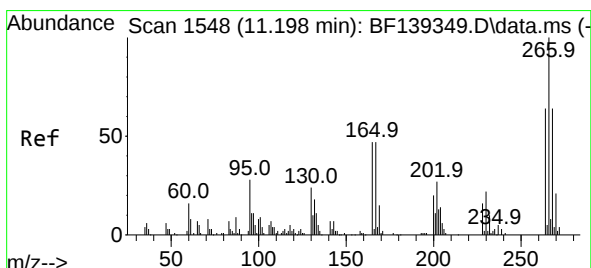
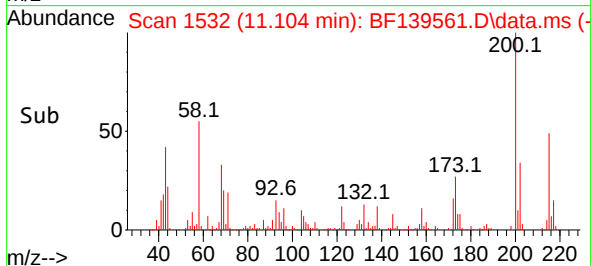
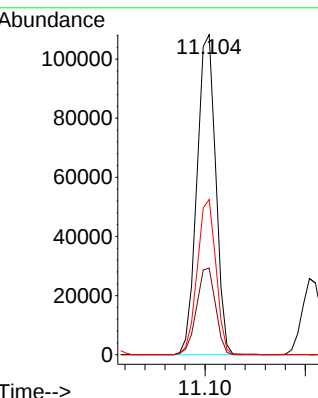
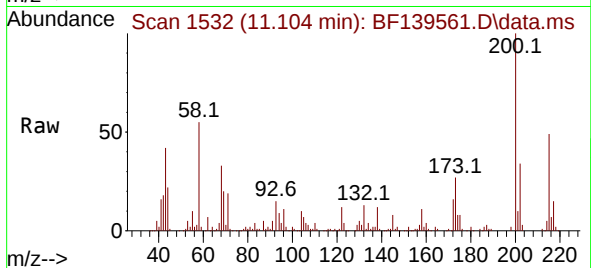
215 48.5 28.2 68.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#70

Pentachlorophenol

Concen: 102.427 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.012 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

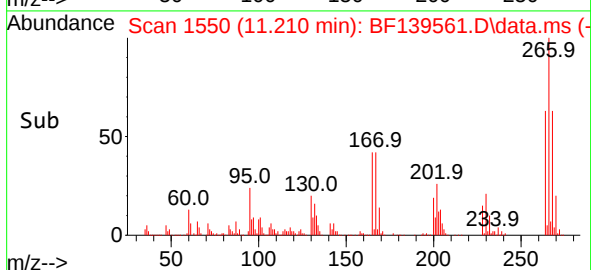
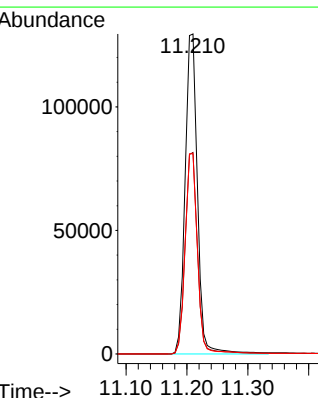
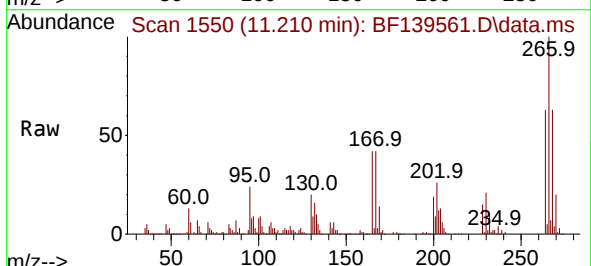
Tgt Ion:266 Resp: 182941

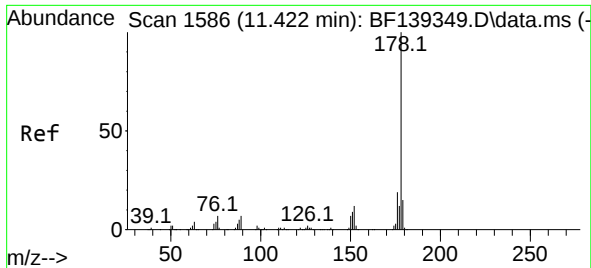
Ion Ratio Lower Upper

266 100

268 63.0 51.1 76.7

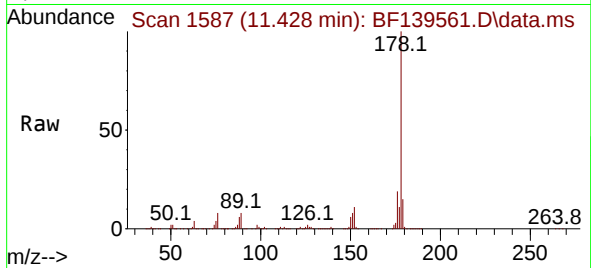
264 62.6 51.4 77.0





#71  
Phenanthrene  
Concen: 60.387 ng  
RT: 11.428 min Scan# 1586  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

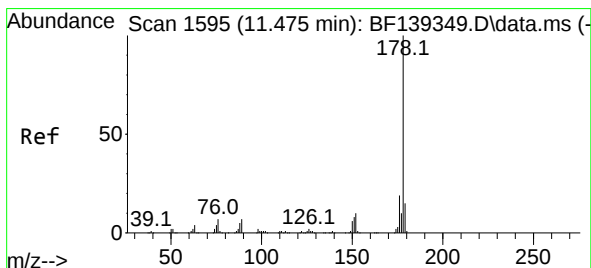
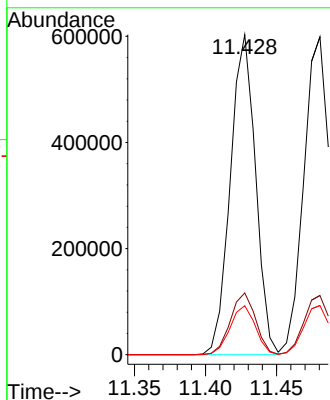
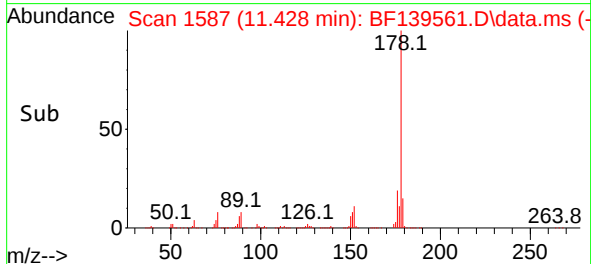
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



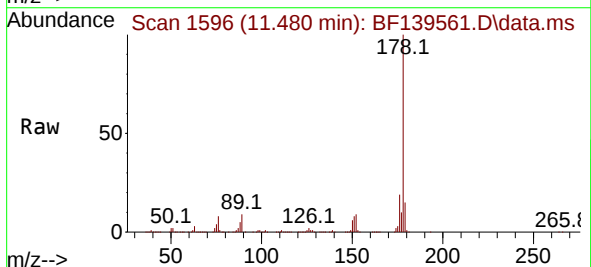
Tgt Ion:178 Resp: 745640  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.2 22.8  
179 15.3 12.2 18.4

Manual Integrations  
APPROVED

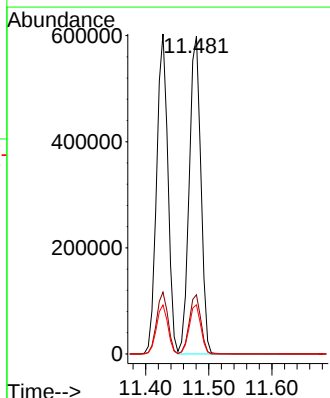
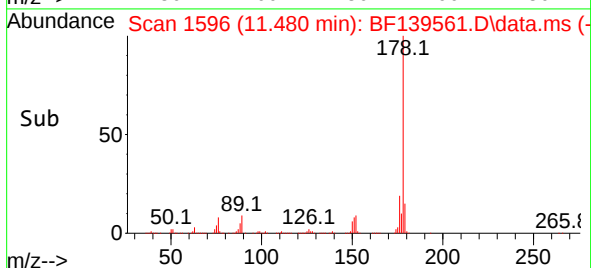
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

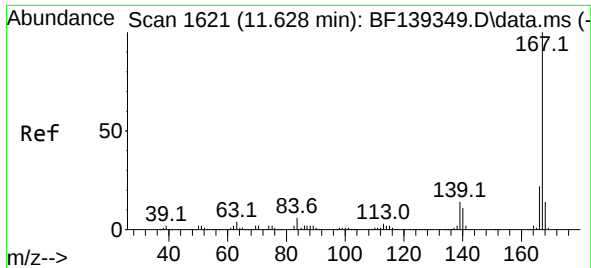


#72  
Anthracene  
Concen: 63.315 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



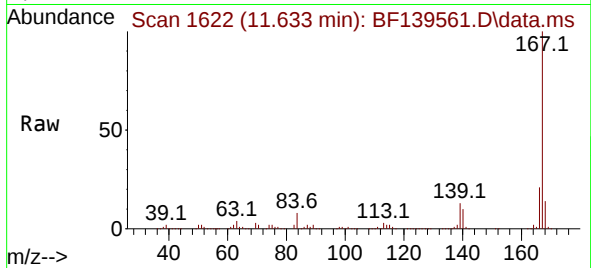
Tgt Ion:178 Resp: 764375  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.0 22.6  
179 15.5 12.0 18.0





#73  
 Carbazole  
 Concen: 61.659 ng  
 RT: 11.633 min Scan# 1622  
 Delta R.T. 0.006 min  
 Lab File: BF139561.D  
 Acq: 26 Sep 2024 22:21

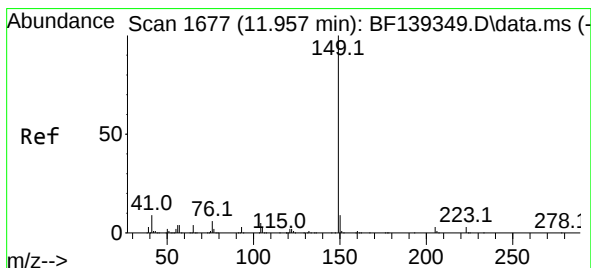
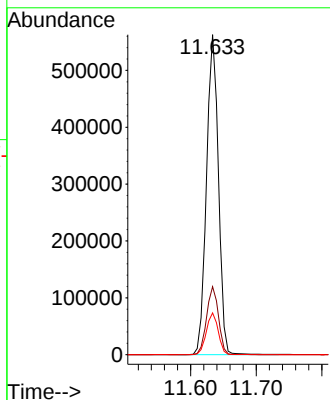
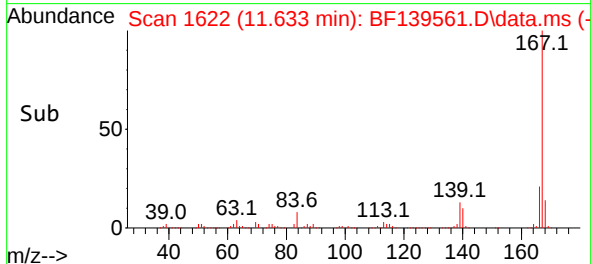
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-TMSD



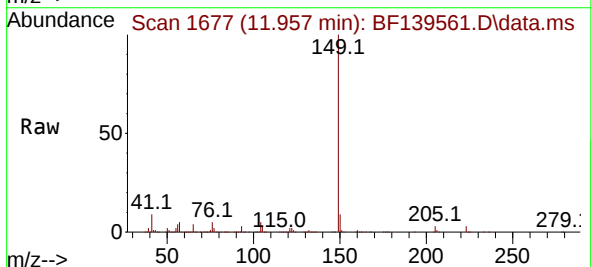
Tgt Ion:167 Resp: 712440  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.5 26.3  
 139 13.1 10.9 16.3

Manual Integrations  
 APPROVED

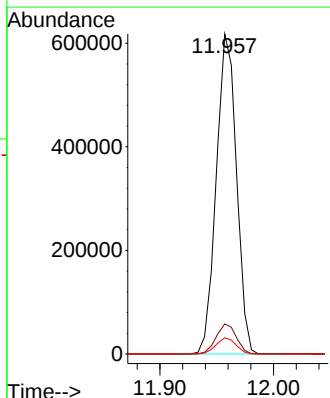
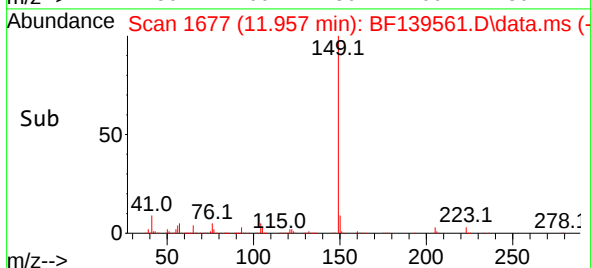
Reviewed By :Yogesh Patel 09/28/2024  
 Supervised By :mohammad ahmed 09/28/2024

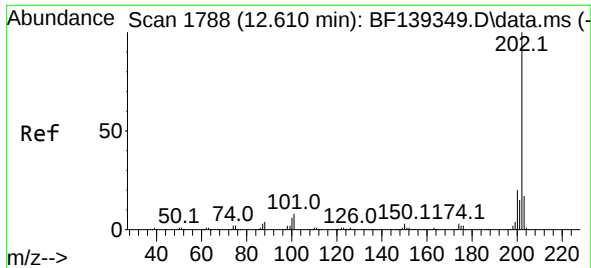


#74  
 Di-n-butylphthalate  
 Concen: 59.307 ng  
 RT: 11.957 min Scan# 1677  
 Delta R.T. -0.000 min  
 Lab File: BF139561.D  
 Acq: 26 Sep 2024 22:21



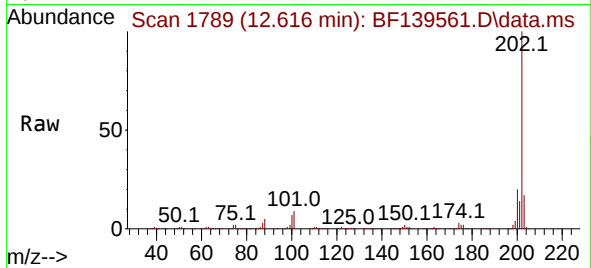
Tgt Ion:149 Resp: 763370  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.3 10.9  
 104 5.0 4.3 6.5





#75  
Fluoranthene  
Concen: 59.817 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

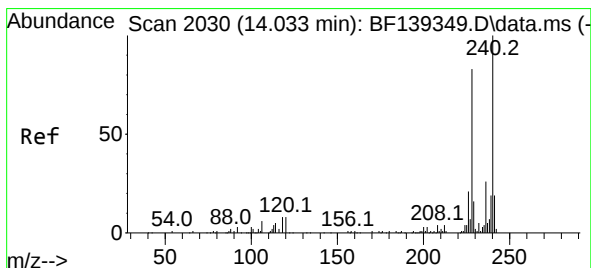
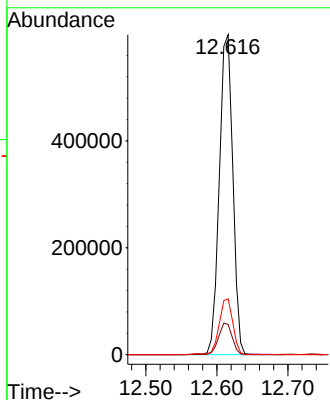
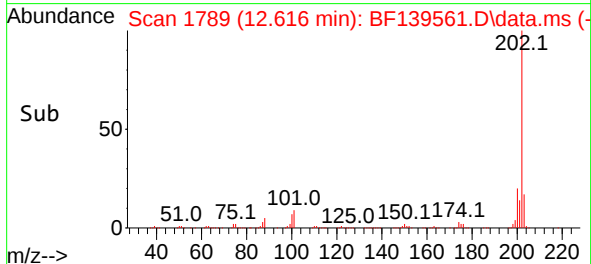
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



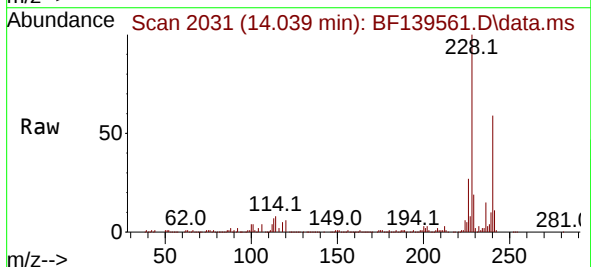
Tgt Ion:202 Resp: 788764  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 27.7  
203 17.5 0.0 37.4

Manual Integrations  
APPROVED

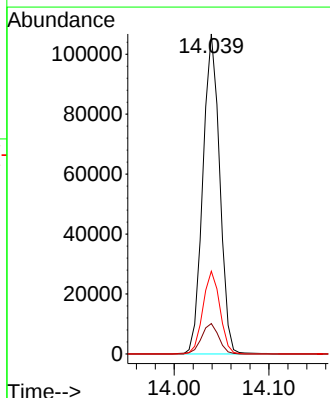
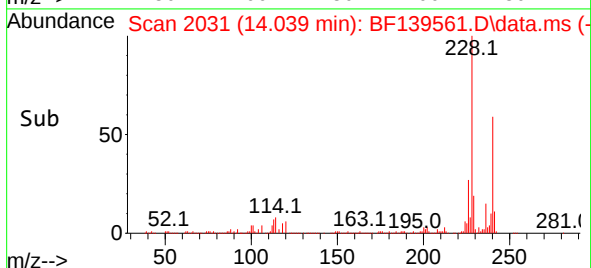
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

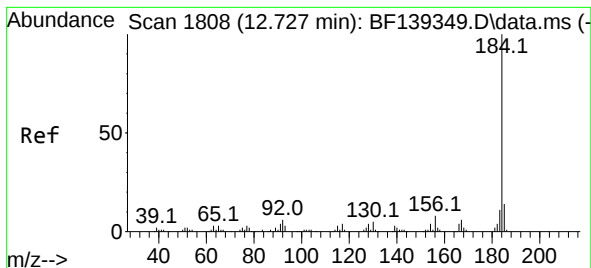


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



Tgt Ion:240 Resp: 131459  
Ion Ratio Lower Upper  
240 100  
120 9.5 6.2 9.2#  
236 25.9 20.9 31.3





#77

Benzidine

Concen: 150.761 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BF139561.D

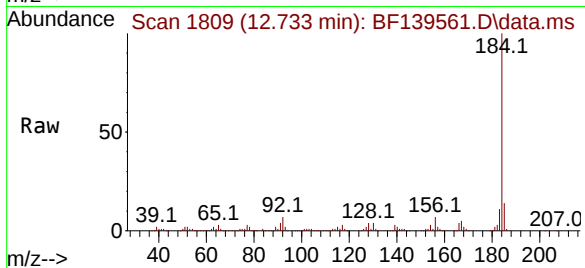
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



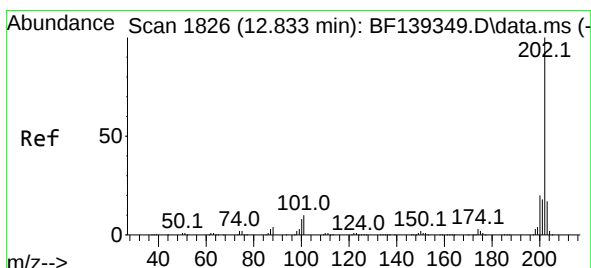
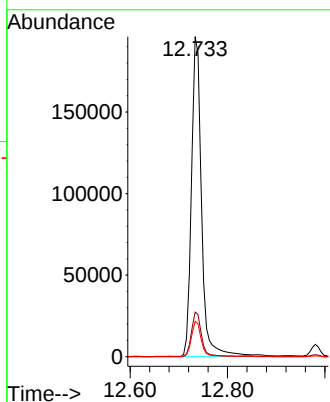
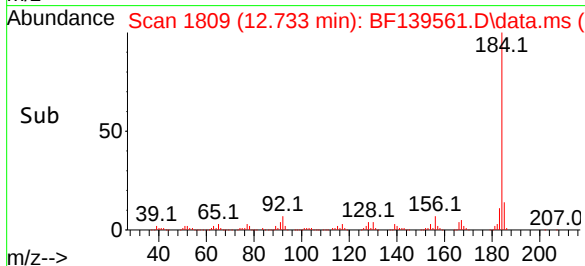
|             |             |
|-------------|-------------|
| Tgt Ion:184 | Resp: 28394 |
| Ion Ratio   | Lower Upper |
| 184 100     |             |
| 185 14.0    | 11.5 17.3   |
| 183 11.0    | 8.9 13.3    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#78

Pyrene

Concen: 70.806 ng

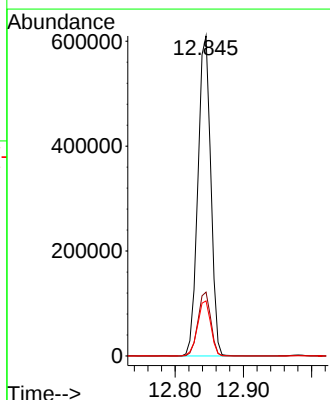
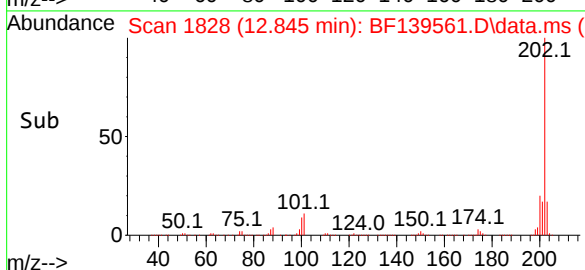
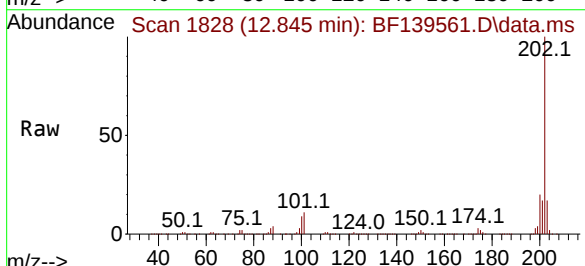
RT: 12.845 min Scan# 1828

Delta R.T. 0.012 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 799228 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 200 20.0    | 16.2 24.2    |
| 203 17.2    | 13.9 20.9    |





#79

Terphenyl-d14

Concen: 75.403 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139561.D

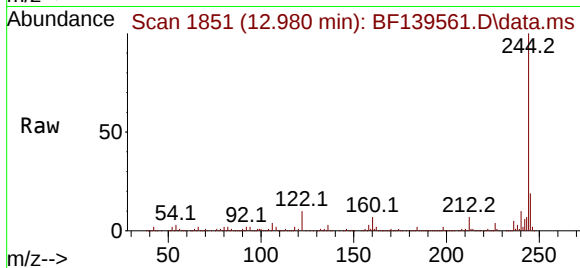
Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD



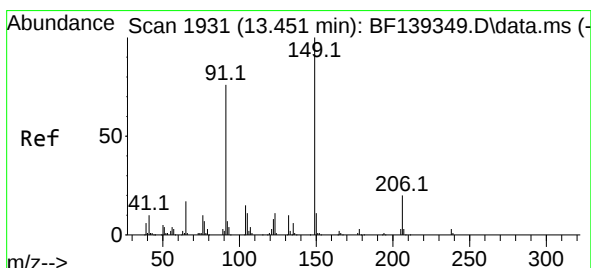
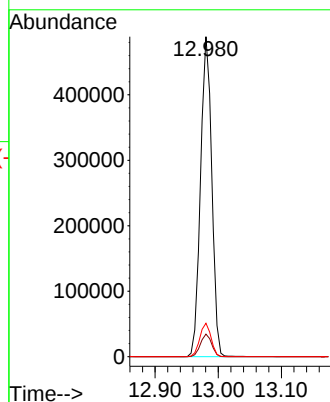
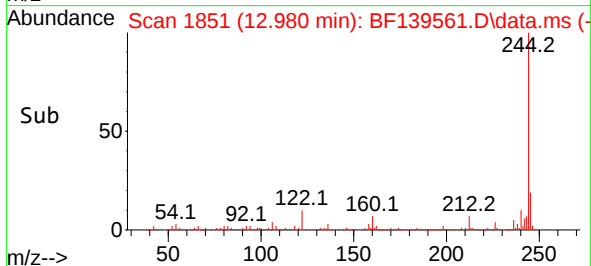
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 244   | Resp: | 60390 |
| Ion Ratio | Lower | Upper |       |
| 244       | 100   |       |       |
| 212       | 7.0   | 6.0   | 9.0   |
| 122       | 10.5  | 7.6   | 11.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#80

Butylbenzylphthalate

Concen: 66.567 ng

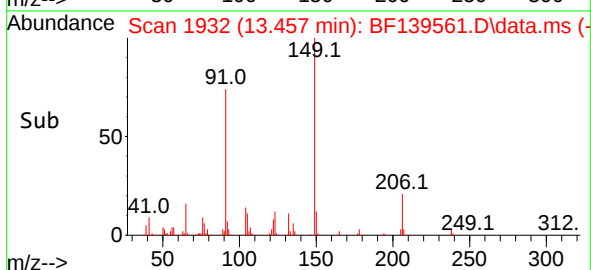
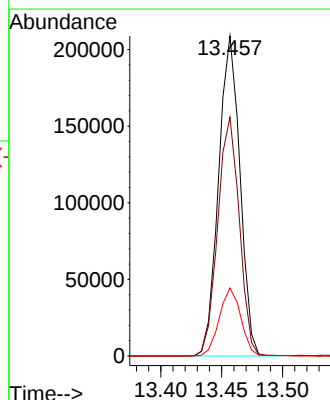
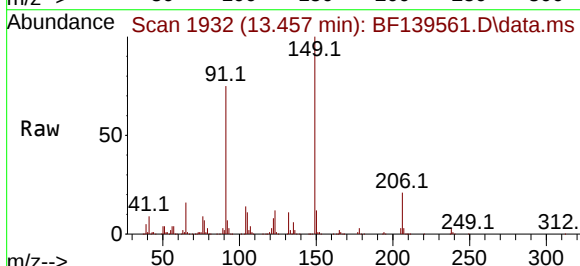
RT: 13.457 min Scan# 1932

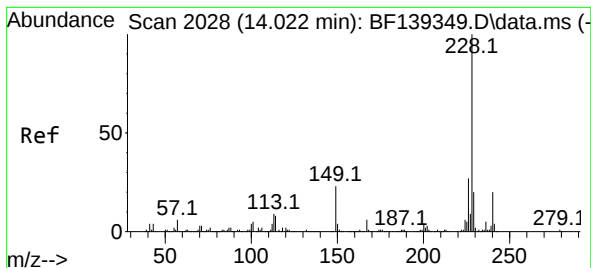
Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 255755 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 74.6  | 60.9  | 91.3   |
| 206       | 21.3  | 15.8  | 23.8   |





#81

Benzo(a)anthracene

Concen: 61.229 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

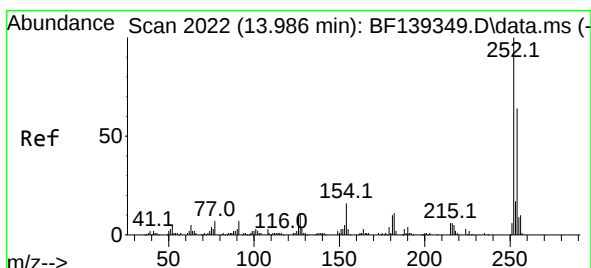
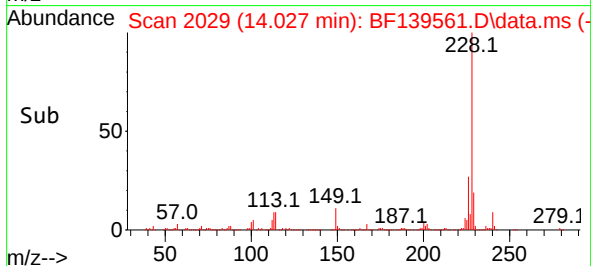
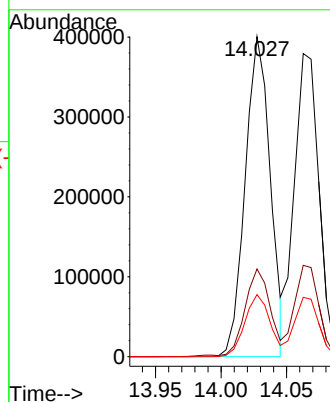
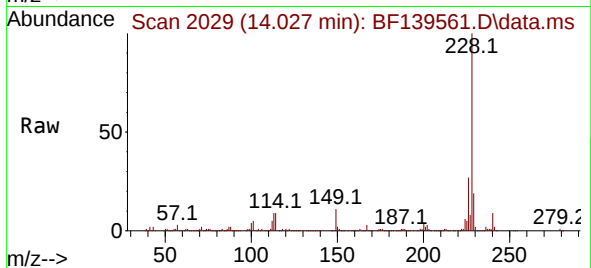
|             |             |
|-------------|-------------|
| Tgt Ion:228 | Resp: 53317 |
| Ion Ratio   | Lower Upper |
| 228 100     |             |
| 226 27.4    | 21.6 32.4   |
| 229 19.4    | 15.7 23.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#82

3,3'-Dichlorobenzidine

Concen: 52.793 ng

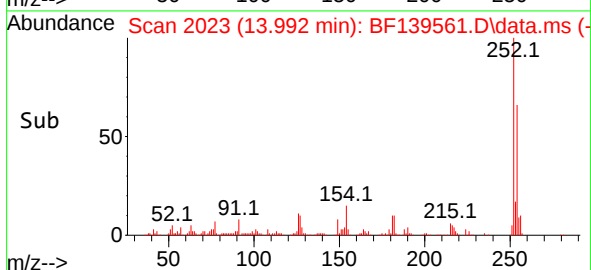
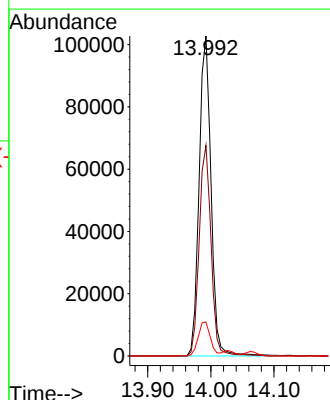
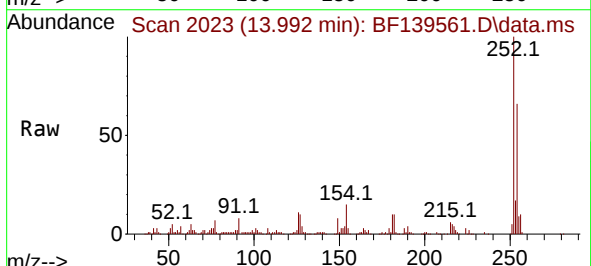
RT: 13.992 min Scan# 2023

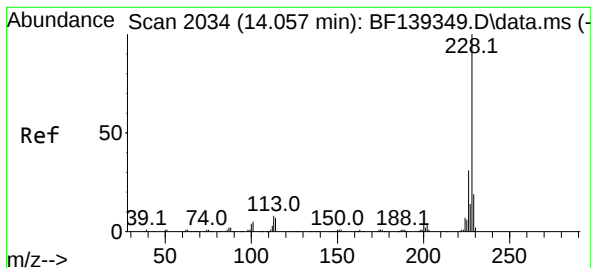
Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

|             |              |
|-------------|--------------|
| Tgt Ion:252 | Resp: 134626 |
| Ion Ratio   | Lower Upper  |
| 252 100     |              |
| 254 65.8    | 51.4 77.2    |
| 126 10.6    | 7.7 11.5     |





#83

Chrysene

Concen: 61.797 ng

RT: 14.063 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

Instrument :

BNA\_F

ClientSampleId :

TP-TMSD

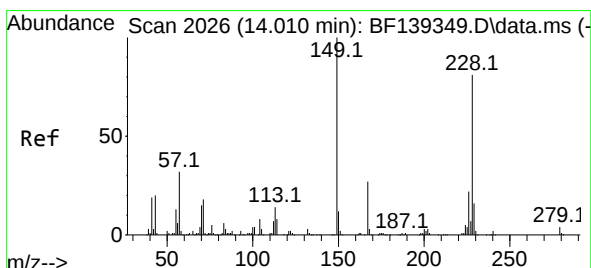
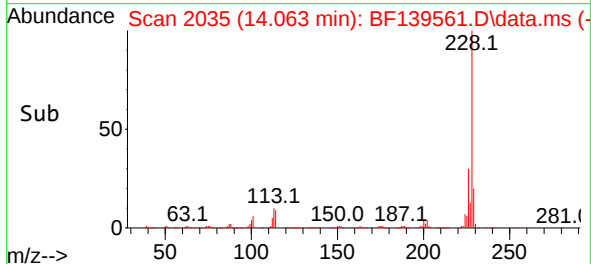
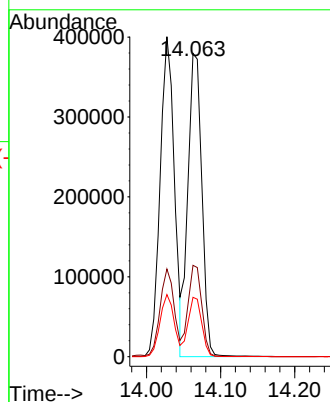
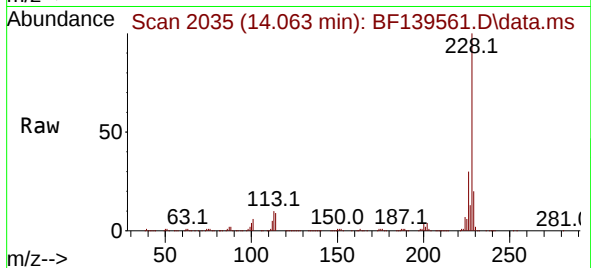
Tgt Ion:228 Resp: 495072  
 Ion Ratio Lower Upper  
 228 100  
 226 30.1 24.1 36.1  
 229 19.6 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/28/2024

Supervised By :mohammad ahmed 09/28/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.732 ng

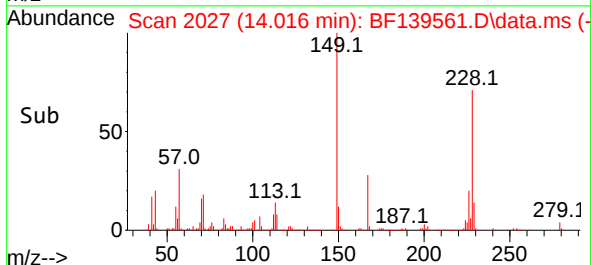
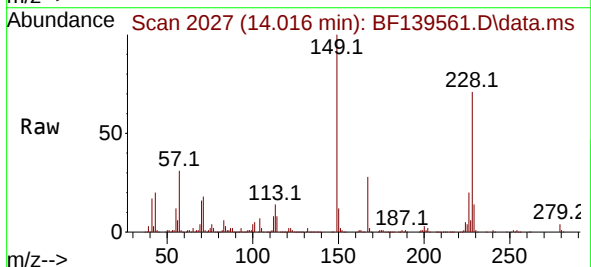
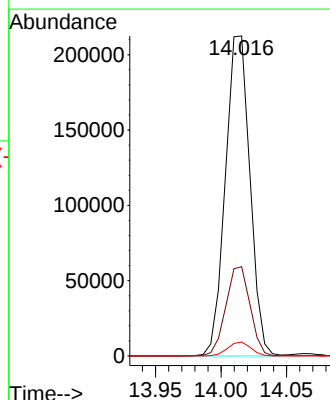
RT: 14.016 min Scan# 2027

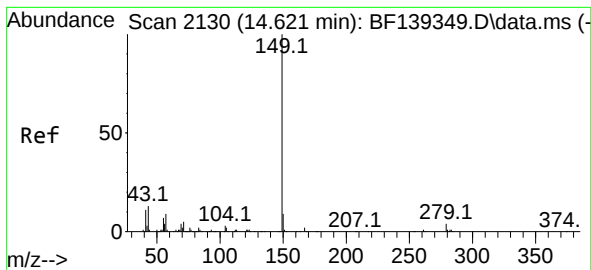
Delta R.T. 0.006 min

Lab File: BF139561.D

Acq: 26 Sep 2024 22:21

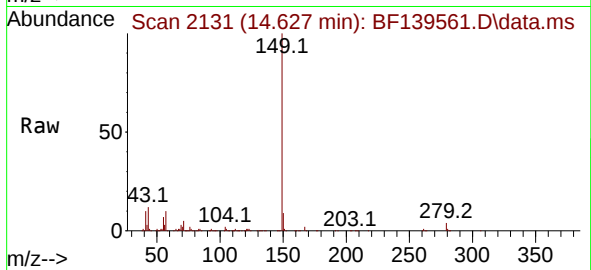
Tgt Ion:149 Resp: 277281  
 Ion Ratio Lower Upper  
 149 100  
 167 27.9 21.6 32.4  
 279 4.4 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 55.842 ng  
RT: 14.627 min Scan# 2130  
Delta R.T. 0.006 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

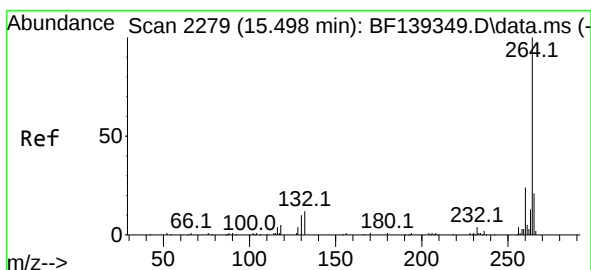
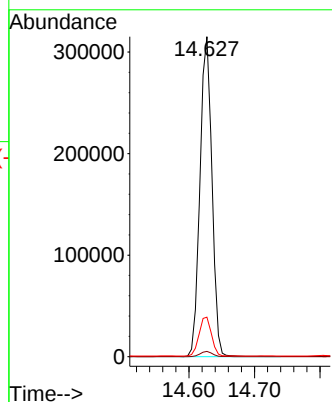
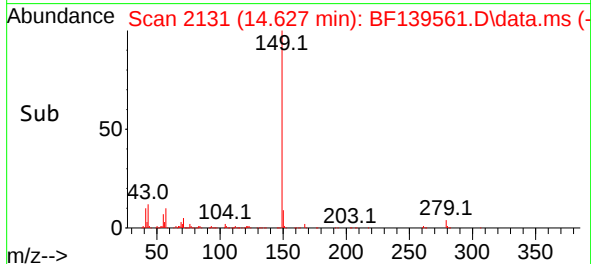
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



Tgt Ion:149 Resp: 401952  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 12.6 10.6 16.0

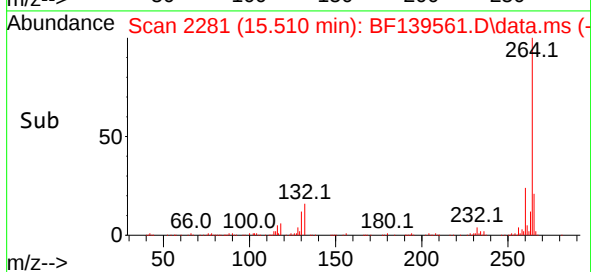
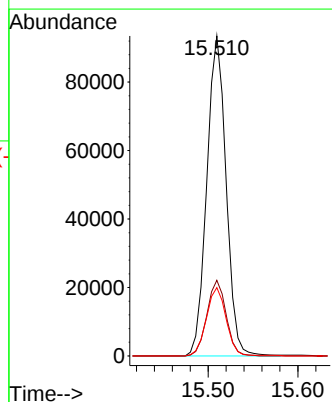
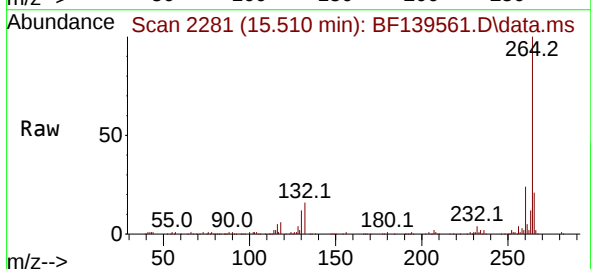
Manual Integrations  
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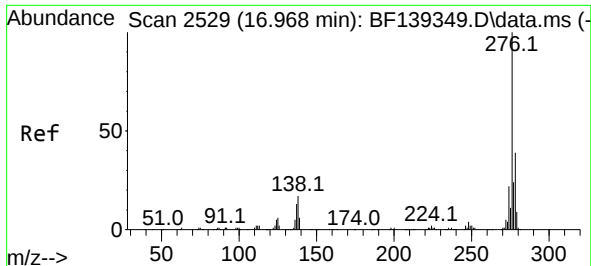
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.510 min Scan# 2281  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

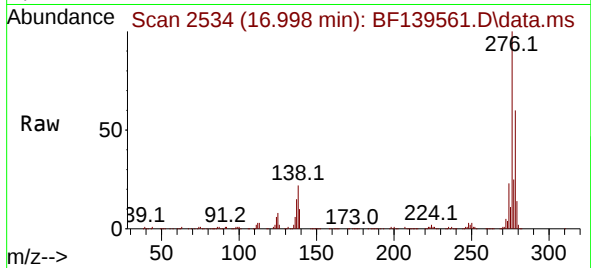
Tgt Ion:264 Resp: 139714  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.5 29.3  
265 21.3 16.6 25.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 68.003 ng  
RT: 16.998 min Scan# 2534  
Delta R.T. 0.029 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

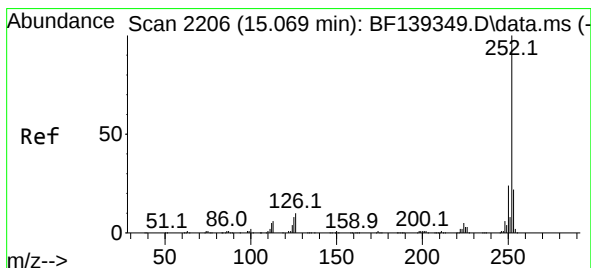
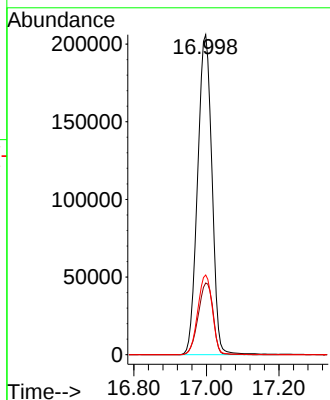
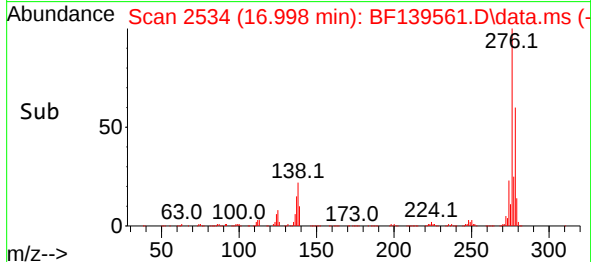
Instrument :  
BNA\_F  
Client SampleId :  
TP-TMSD



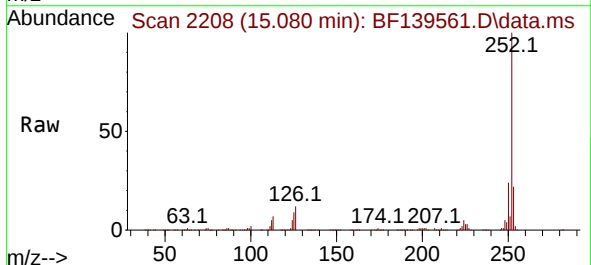
Tgt Ion: 276 Resp: 56495  
Ion Ratio Lower Upper  
276 100  
138 23.3 15.4 23.2  
277 25.2 20.4 30.6

Manual Integrations  
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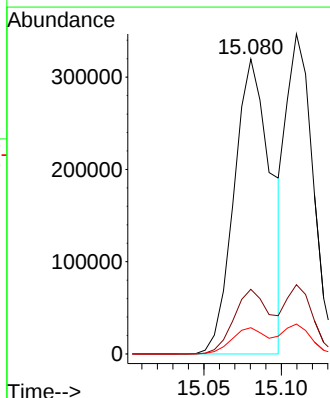
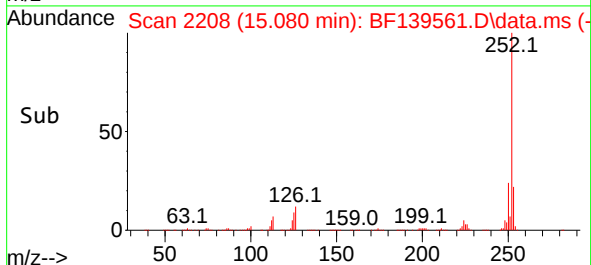
Reviewed By : Yogesh Patel 09/28/2024  
Supervised By : mohammad ahmed 09/28/2024

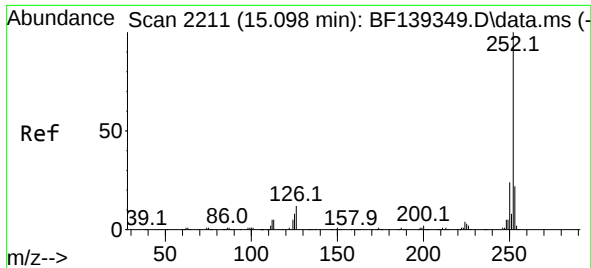


#88  
Benzo(b)fluoranthene  
Concen: 61.581 ng  
RT: 15.080 min Scan# 2208  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



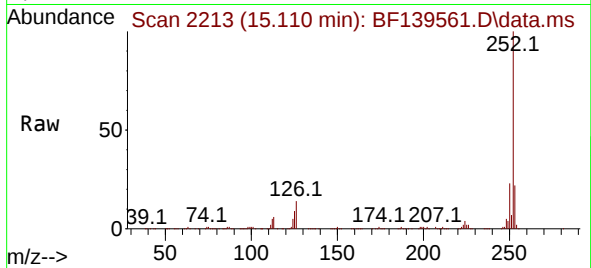
Tgt Ion: 252 Resp: 530619  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.6 26.4  
125 8.9 6.2 9.2





#89  
Benzo(k)fluoranthene  
Concen: 52.871 ng  
RT: 15.110 min Scan# 2111  
Delta R.T. 0.012 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

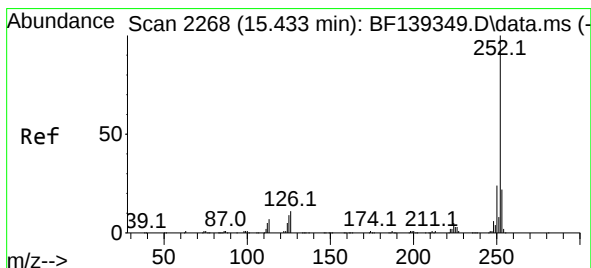
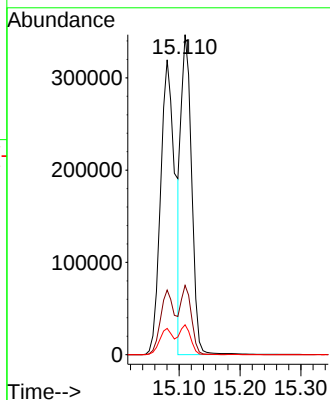
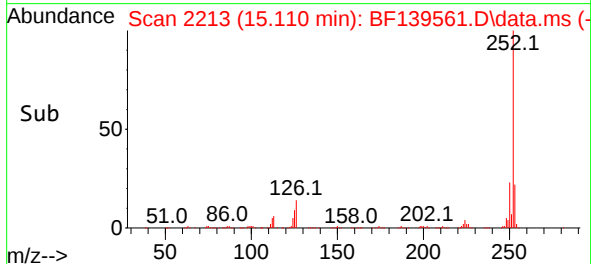
Instrument :  
BNA\_F  
ClientSampleId :  
TP-TMSD



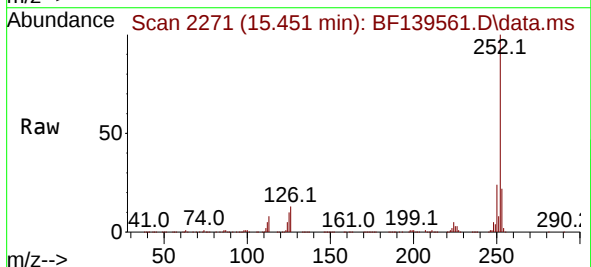
Tgt Ion:252 Resp: 420048  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 9.4 5.9 8.9

Manual Integrations  
APPROVED

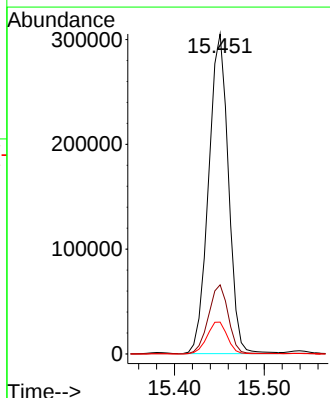
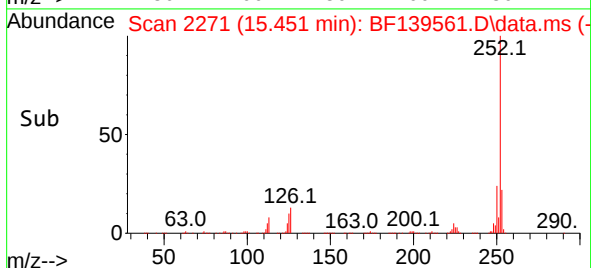
Reviewed By :Yogesh Patel 09/28/2024  
Supervised By :mohammad ahmed 09/28/2024

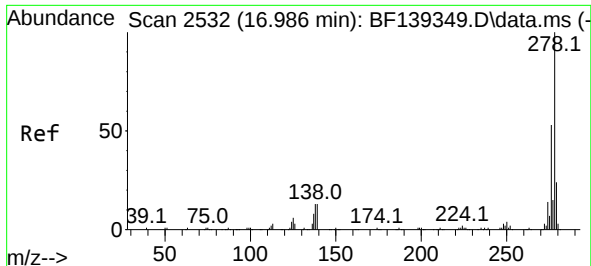


#90  
Benzo(a)pyrene  
Concen: 65.344 ng  
RT: 15.451 min Scan# 2271  
Delta R.T. 0.018 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



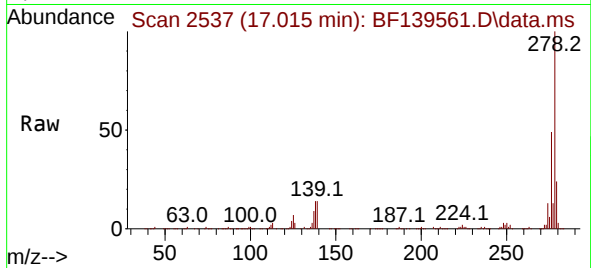
Tgt Ion:252 Resp: 466962  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 10.0 6.8 10.2





#91  
Dibenzo(a,h)anthracene  
Concen: 66.824 ng  
RT: 17.015 min Scan# 2537  
Delta R.T. 0.029 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21

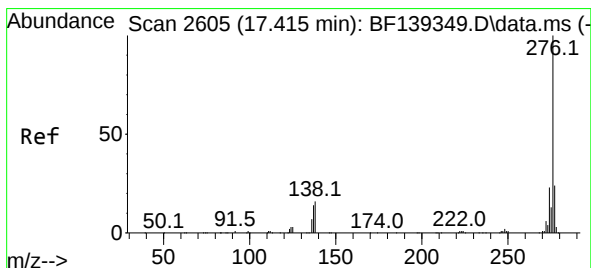
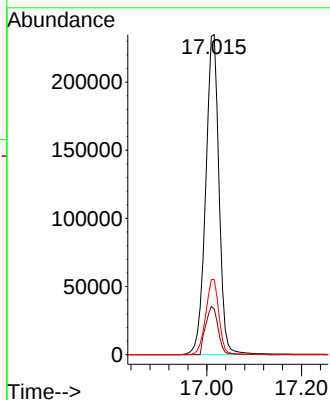
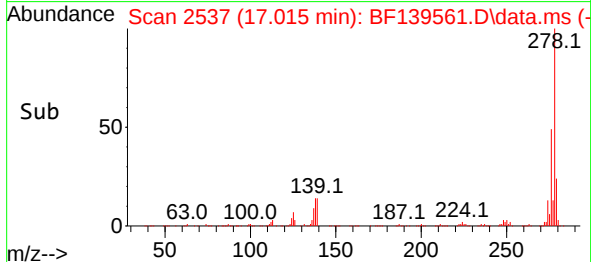
Instrument :  
BNA\_F  
Client Sample Id :  
TP-TMSD



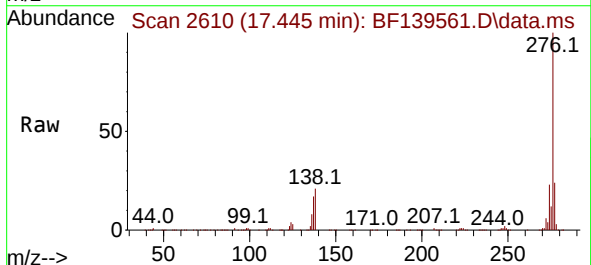
Tgt Ion: 278 Resp: 458749  
Ion Ratio Lower Upper  
278 100  
139 14.3 10.2 15.2  
279 23.5 18.9 28.3

Manual Integrations  
APPROVED

Reviewed By : Yogesh Patel 09/28/2024  
Supervised By : mohammad ahmed 09/28/2024



#92  
Benzo(g,h,i)perylene  
Concen: 61.060 ng  
RT: 17.445 min Scan# 2610  
Delta R.T. 0.029 min  
Lab File: BF139561.D  
Acq: 26 Sep 2024 22:21



Tgt Ion: 276 Resp: 415034  
Ion Ratio Lower Upper  
276 100  
277 23.7 18.9 28.3  
138 20.7 13.0 19.6#

