

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082724\  
 Data File : BF139179.D  
 Acq On : 27 Aug 2024 11:02  
 Operator : RC/JU  
 Sample : PB162379BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162379BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/28/2024  
 Supervised By :mohammad ahmed 08/28/2024

Quant Time: Aug 27 11:51:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082724.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 27 02:51:47 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.893  | 152  | 129929   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.175  | 136  | 483026   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 278261   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 487493   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 261728   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 237760   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 966812   | 125.037 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.528  | 99   | 1266767  | 119.374 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 829462   | 95.134  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 334168   | 140.220 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.251  | 172  | 1378196  | 76.936  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1455917  | 86.796  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.787  | 88   | 114038   | 31.186  | ng    | 99       |
| 3) Pyridine                   | 3.528  | 79   | 295271   | 32.491  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.493  | 42   | 234398   | 44.304  | ng    | 96       |
| 6) Aniline                    | 6.557  | 93   | 261524   | 26.291  | ng    | # 90     |
| 8) 2-Chlorophenol             | 6.681  | 128  | 367785   | 50.065  | ng    | 97       |
| 9) Benzaldehyde               | 6.440  | 77   | 99406    | 14.966  | ng    | 100      |
| 10) Phenol                    | 6.540  | 94   | 493465   | 46.077  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 378551   | 44.862  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.834  | 146  | 398653   | 41.151  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.910  | 146  | 402789   | 41.442  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 385391   | 42.144  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 386299   | 48.296  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163  | 45   | 540924   | 44.220  | ng    | 95       |
| 17) 2-Methylphenol            | 7.145  | 107  | 303355   | 45.297  | ng    | 99       |
| 18) Hexachloroethane          | 7.404  | 117  | 141649   | 46.065  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 298491   | 47.029  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 386263   | 45.217  | ng    | 93       |
| 22) Acetophenone              | 7.304  | 105  | 495548   | 39.928  | ng    | 97       |
| 24) Nitrobenzene              | 7.481  | 77   | 442844   | 43.892  | ng    | 97       |
| 25) Isophorone                | 7.716  | 82   | 782916   | 45.408  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.793  | 139  | 169193   | 53.449  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.828  | 122  | 258840   | 50.650  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 434646   | 43.541  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.034  | 162  | 306960   | 48.664  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.116  | 180  | 337380   | 41.476  | ng    | 99       |
| 31) Naphthalene               | 8.198  | 128  | 1034297  | 41.877  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 200082   | 46.219  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.245  | 127  | 184732   | 21.704  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 215193   | 40.711  | ng    | 98       |
| 35) Caprolactam               | 8.616  | 113  | 93468m   | 48.303  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 345190   | 47.716  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.887  | 142  | 669166   | 43.218  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.987  | 142  | 612937   | 40.503  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 316149   | 38.304  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 288668   | 108.921 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 235652   | 51.063  | ng    | 100      |

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Manual Integrations  
 APPROVED

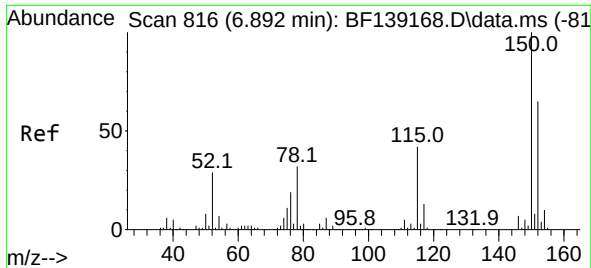
Reviewed By :Yogesh Patel 08/28/2024  
 Supervised By :mohammad ahmed 08/28/2024

Quant Time: Aug 27 11:51:15 2024  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.216  | 196  | 226595   | 46.842 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 769156   | 38.188 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 650336   | 40.473 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 229547   | 48.465 | ng    | 98       |
| 49) Acenaphthylene            | 9.792  | 152  | 1024616  | 45.254 | ng    | 100      |
| 50) Dimethylphthalate         | 9.657  | 163  | 750230   | 46.673 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 161824   | 47.141 | ng    | 91       |
| 52) Acenaphthene              | 9.963  | 154  | 693048   | 46.596 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 118583   | 35.112 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 153436   | 88.522 | ng #  | 52       |
| 55) Dibenzofuran              | 10.139 | 168  | 918571   | 42.317 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 256425   | 86.876 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 218041   | 49.727 | ng    | 98       |
| 58) Fluorene                  | 10.481 | 166  | 716857   | 41.859 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 203131   | 52.394 | ng    | 99       |
| 60) Diethylphthalate          | 10.351 | 149  | 718814   | 47.488 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 350447   | 41.698 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 158048   | 44.814 | ng    | 99       |
| 63) Azobenzene                | 10.633 | 77   | 808517   | 43.939 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 106358   | 54.306 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 621541   | 43.050 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 217757   | 42.040 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 241454   | 43.074 | ng    | 100      |
| 69) Atrazine                  | 11.116 | 200  | 160088   | 50.836 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 294536   | 89.495 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1074473  | 43.616 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1074783  | 44.757 | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 944436   | 43.965 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1007953  | 54.138 | ng    | 99       |
| 75) Fluoranthene              | 12.627 | 202  | 1047859  | 43.831 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 29781    | 6.743  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1049963  | 42.708 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 283336   | 55.342 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 803403   | 46.328 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 171562   | 42.491 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 692310   | 44.256 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 268144   | 49.276 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 474357   | 42.249 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.010 | 276  | 771788   | 47.474 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 734711   | 52.825 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 626089   | 49.791 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 634709   | 53.764 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 630664   | 47.330 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 596305   | 43.265 | ng    | 98       |

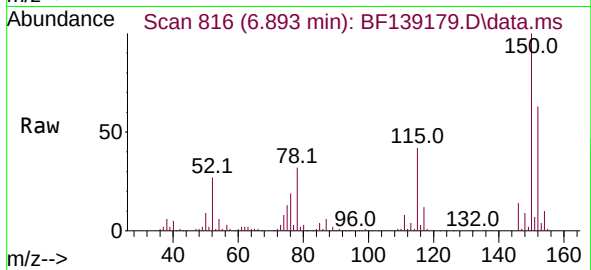
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.893 min Scan# 81  
Delta R.T. 0.001 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

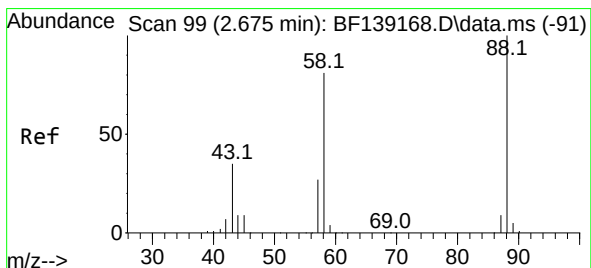
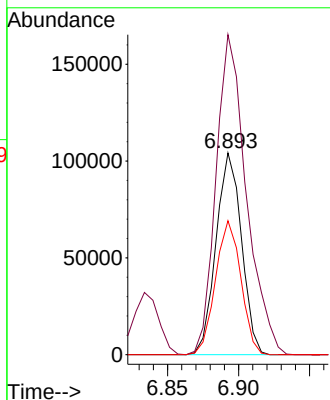
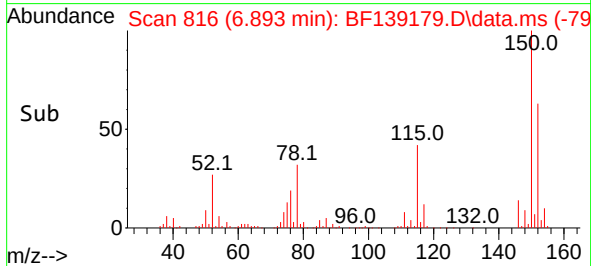
Instrument :  
BNA\_F  
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Tgt Ion:152 Resp: 129929  
Ion Ratio Lower Upper  
152 100  
150 158.6 123.7 185.5  
115 66.4 51.8 77.8

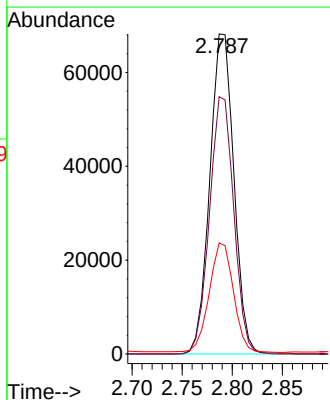
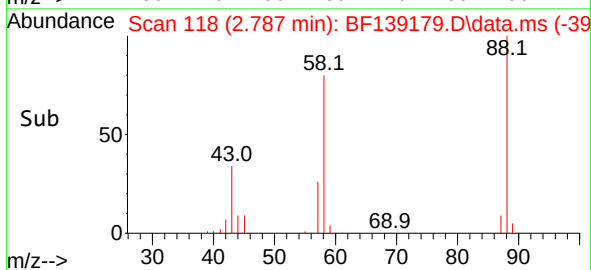
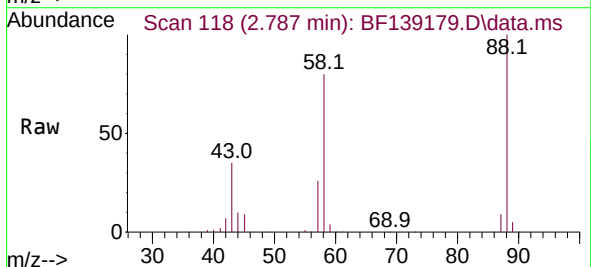
Manual Integrations  
APPROVED

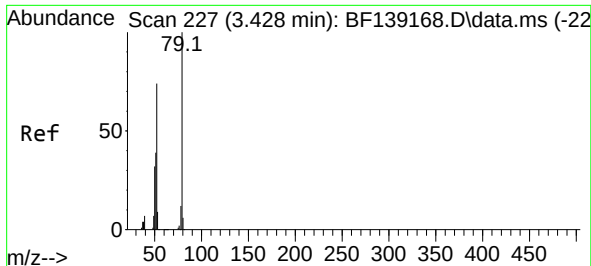
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#2  
1,4-Dioxane  
Concen: 31.186 ng  
RT: 2.787 min Scan# 118  
Delta R.T. 0.112 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

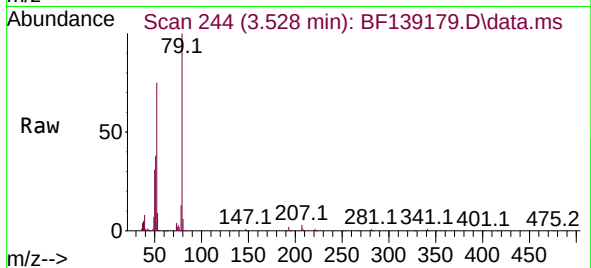
Tgt Ion: 88 Resp: 114038  
Ion Ratio Lower Upper  
88 100  
58 81.2 65.0 97.6  
43 34.5 28.4 42.6





#3  
Pyridine  
Concen: 32.491 ng  
RT: 3.528 min Scan# 244  
Delta R.T. 0.100 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

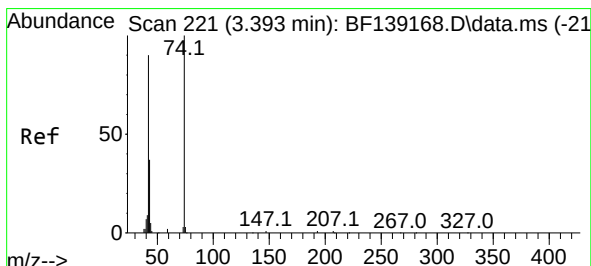
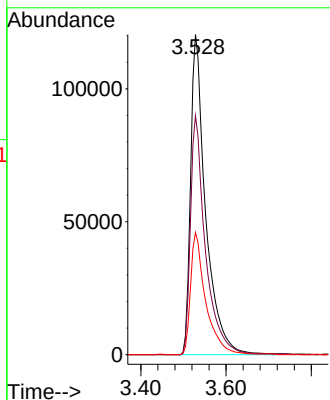
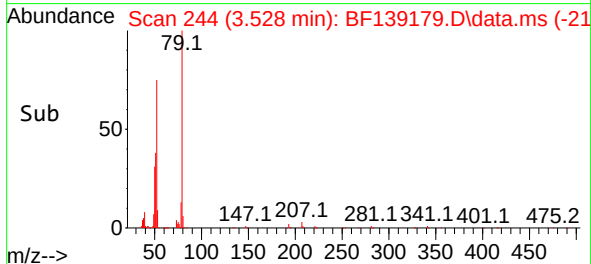
Instrument :  
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PB162379BS



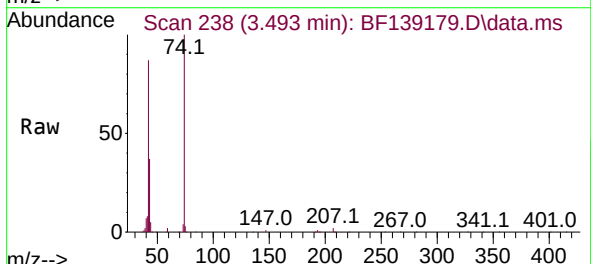
Tgt Ion: 79 Resp: 29527  
Ion Ratio Lower Upper  
79 100  
52 74.8 59.5 89.3  
51 38.2 31.4 47.0

Manual Integrations  
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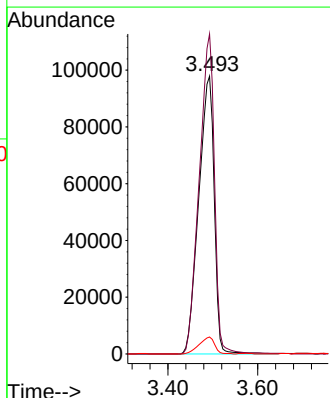
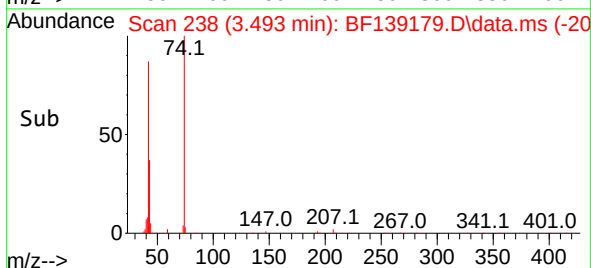
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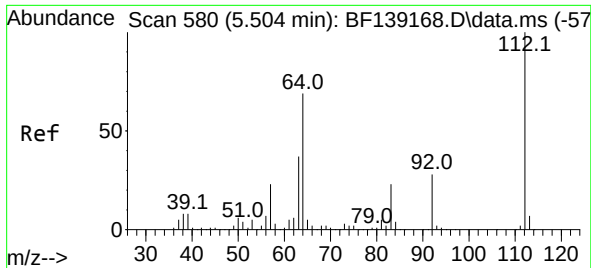


#4  
n-Nitrosodimethylamine  
Concen: 44.304 ng  
RT: 3.493 min Scan# 238  
Delta R.T. 0.100 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion: 42 Resp: 234398  
Ion Ratio Lower Upper  
42 100  
74 115.2 88.6 132.8  
44 6.1 5.0 7.4





#5  
2-Fluorophenol  
Concen: 125.037 ng  
RT: 5.522 min Scan# 583  
Delta R.T. 0.018 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

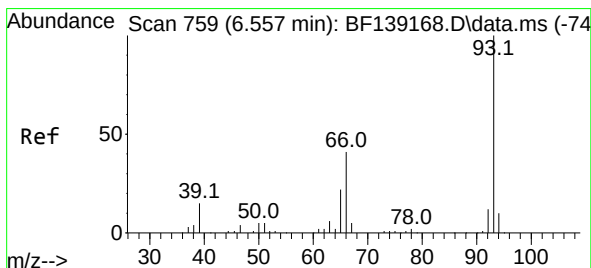
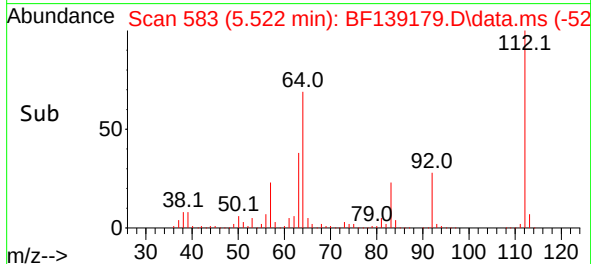
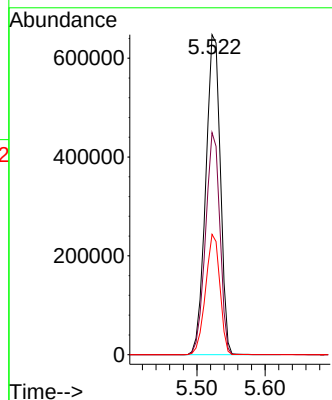
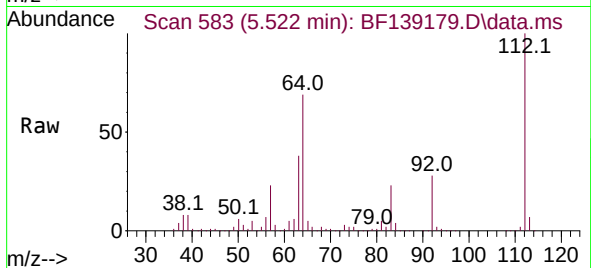
PB162379BS

Tgt Ion:112 Resp: 96681  
Ion Ratio Lower Upper  
112 100  
64 69.4 55.5 83.3  
63 37.6 29.8 44.6

Manual Integrations

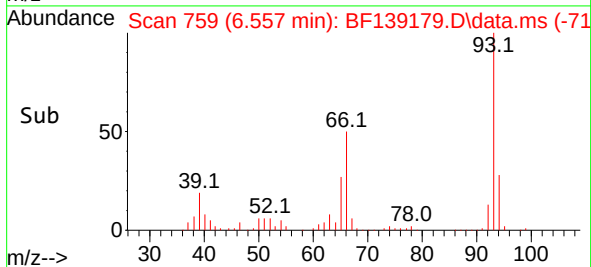
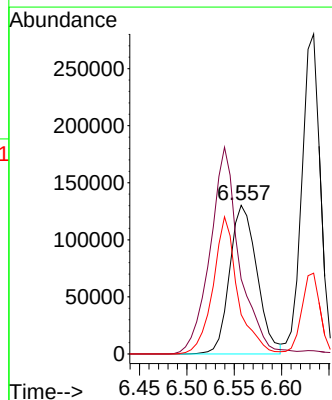
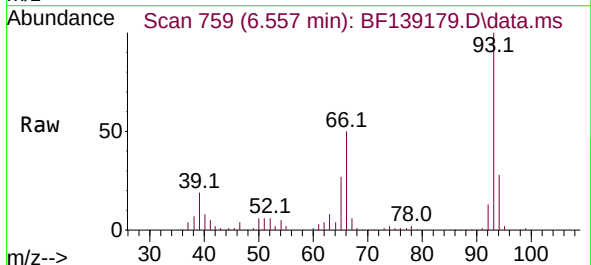
APPROVED

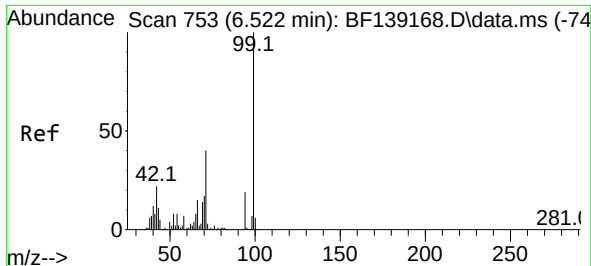
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Supervised By :mohammad ahmed 08/28/2024



#6  
Aniline  
Concen: 26.291 ng  
RT: 6.557 min Scan# 759  
Delta R.T. -0.030 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

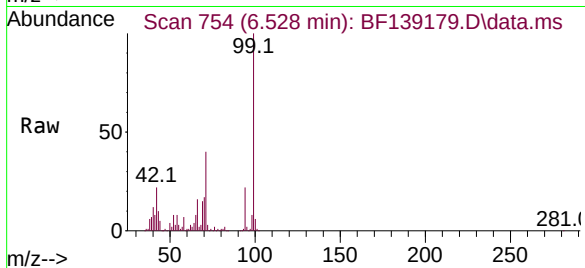
Tgt Ion: 93 Resp: 261524  
Ion Ratio Lower Upper  
93 100  
66 50.3 35.0 52.4  
65 26.5 17.2 25.8#





#7  
Phenol-d6  
Concen: 119.374 ng  
RT: 6.528 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

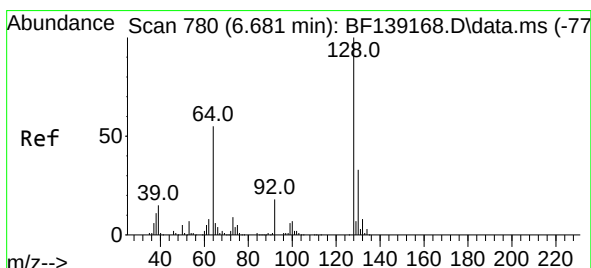
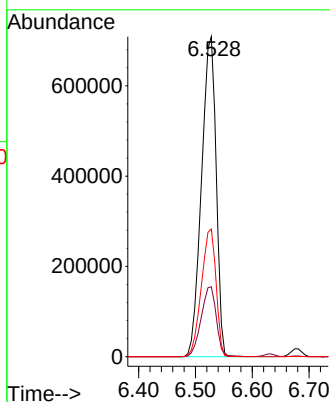
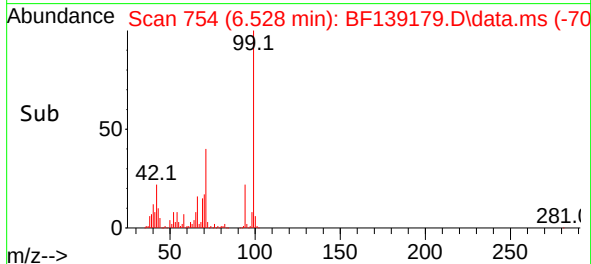
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 126676  
Ion Ratio Lower Upper  
99 100  
42 21.8 17.9 26.9  
71 39.9 31.7 47.5

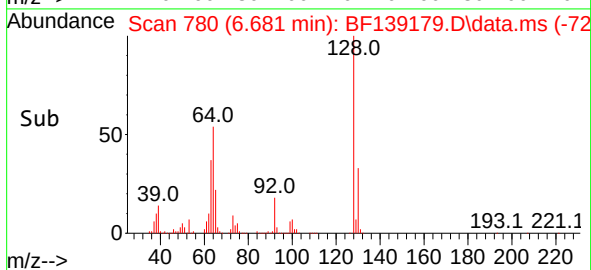
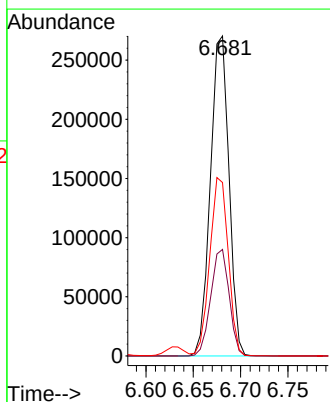
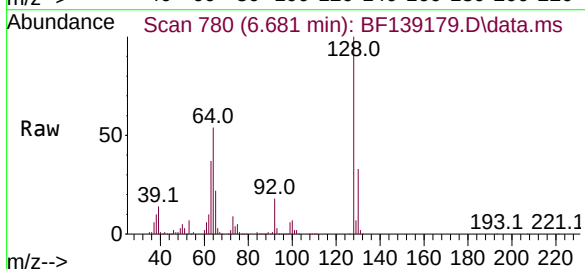
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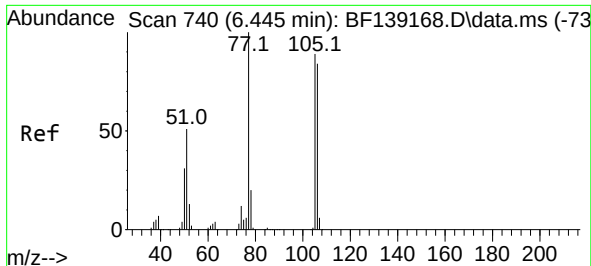
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#8  
2-Chlorophenol  
Concen: 50.065 ng  
RT: 6.681 min Scan# 780  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

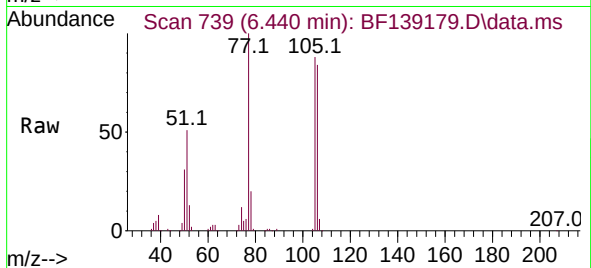
Tgt Ion:128 Resp: 367785  
Ion Ratio Lower Upper  
128 100  
130 33.3 12.5 52.5  
64 54.2 37.3 77.3





#9  
Benzaldehyde  
Concen: 14.966 ng  
RT: 6.440 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

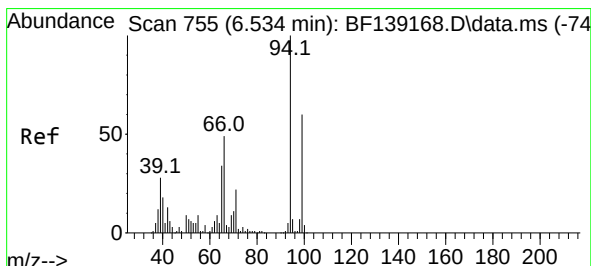
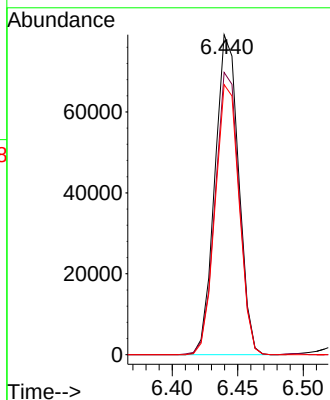
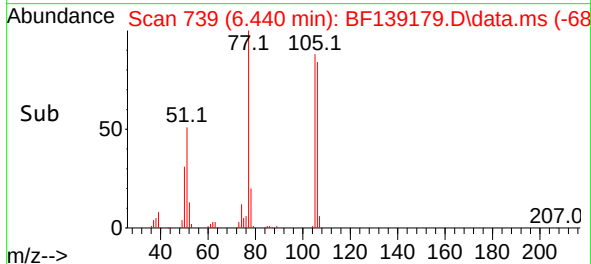
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion: 77 Resp: 99400  
Ion Ratio Lower Upper  
77 100  
105 88.2 68.7 108.7  
106 84.4 64.2 104.2

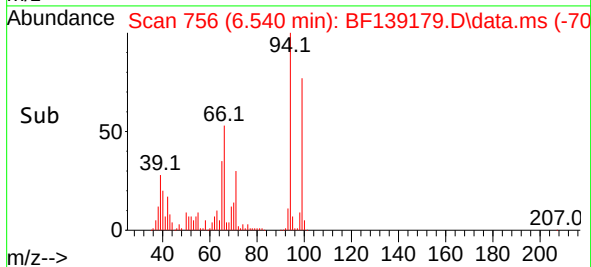
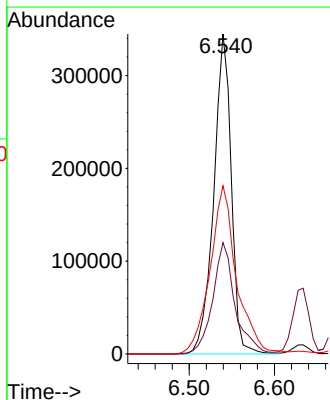
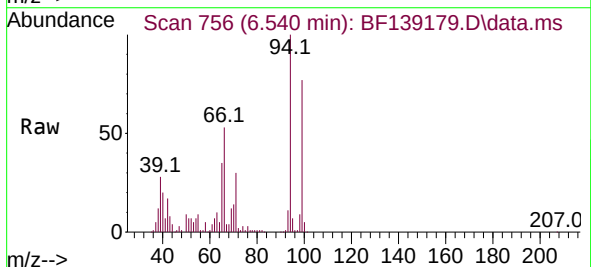
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

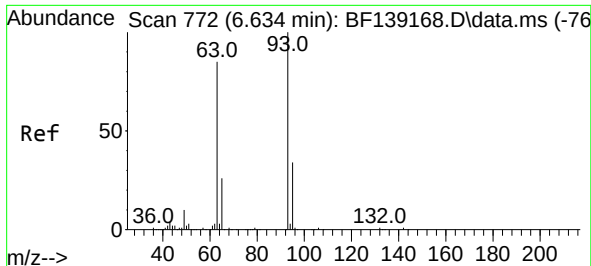


#10  
Phenol  
Concen: 46.077 ng  
RT: 6.540 min Scan# 756  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion: 94 Resp: 493465  
Ion Ratio Lower Upper  
94 100  
65 34.8 14.1 54.1  
66 52.5 29.8 69.8







#11  
bis(2-Chloroethyl)ether  
Concen: 44.862 ng  
RT: 6.634 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

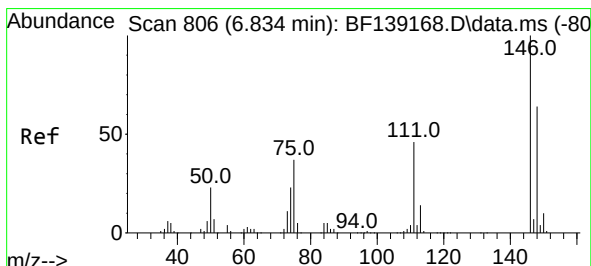
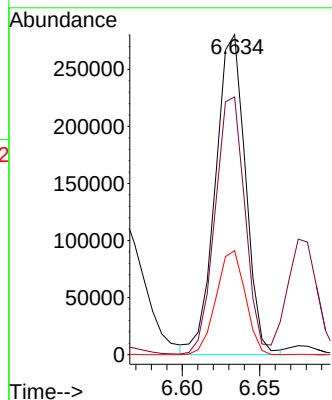
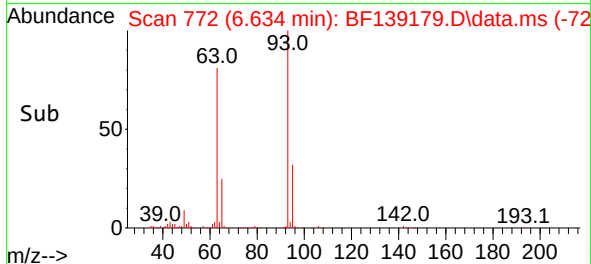
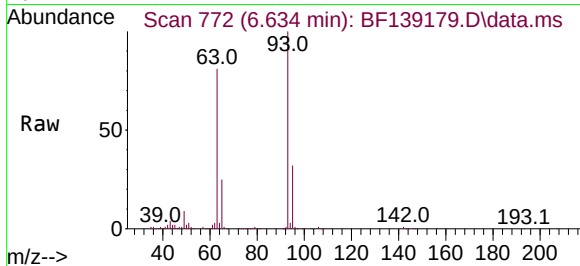
ClientSampleId :

PB162379BS

Tgt Ion: 93 Resp: 37855  
Ion Ratio Lower Upper  
93 100  
63 80.6 62.4 102.4  
95 32.5 12.5 52.5

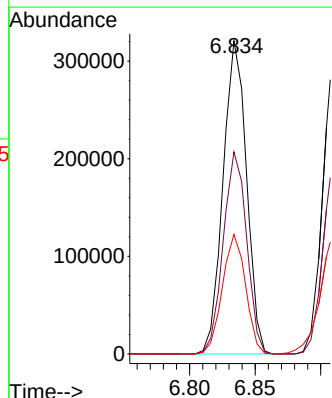
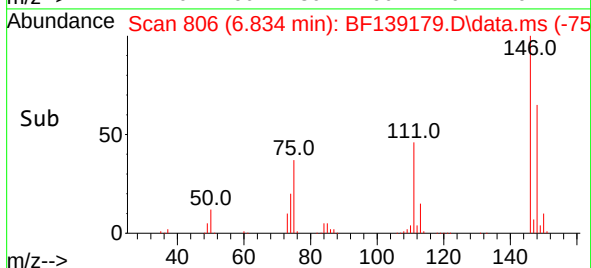
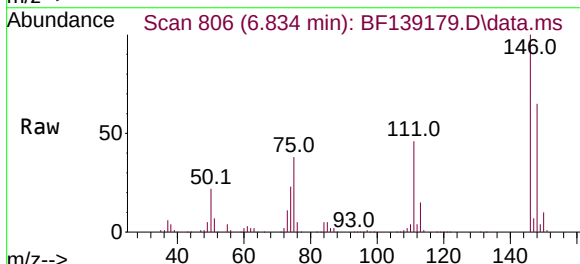
Manual Integrations  
APPROVED

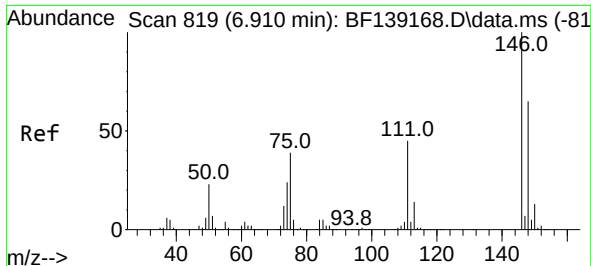
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#12  
1,3-Dichlorobenzene  
Concen: 41.151 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:146 Resp: 398653  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.2 76.8  
75 38.2 29.9 44.9





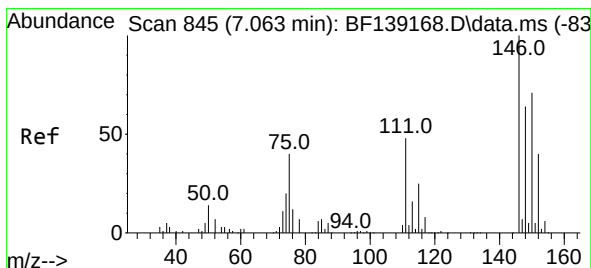
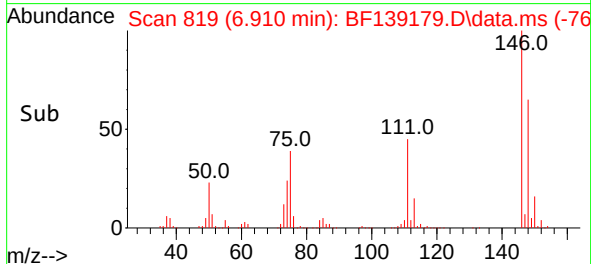
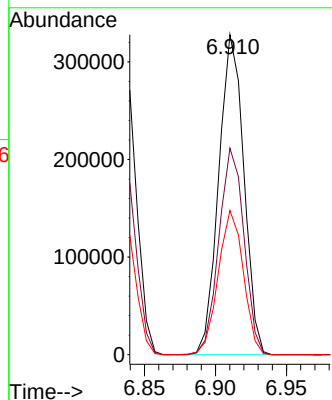
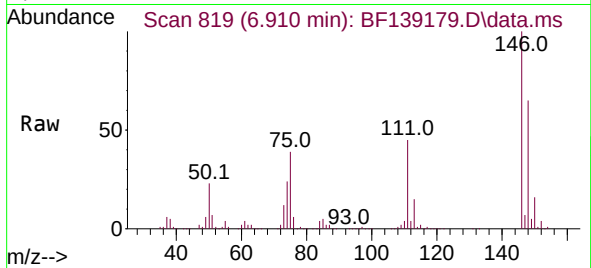
#13  
1,4-Dichlorobenzene  
Concen: 41.442 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS

Tgt Ion:146 Resp: 402789  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.8 77.8  
111 45.0 35.8 53.8

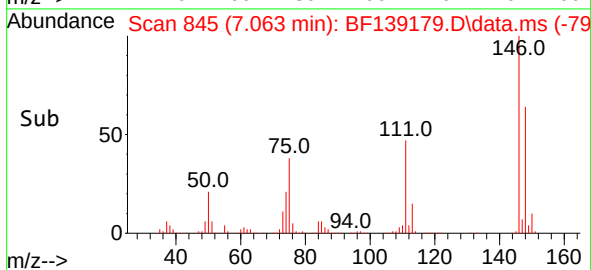
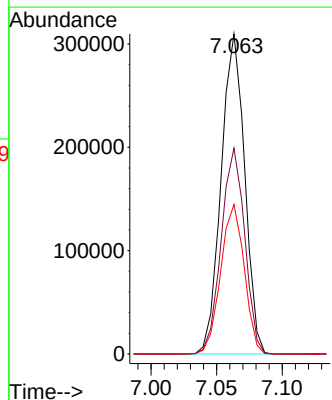
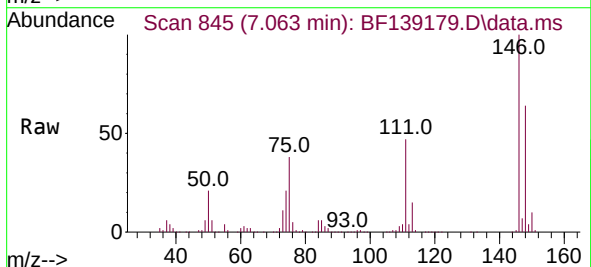
Manual Integrations  
APPROVED

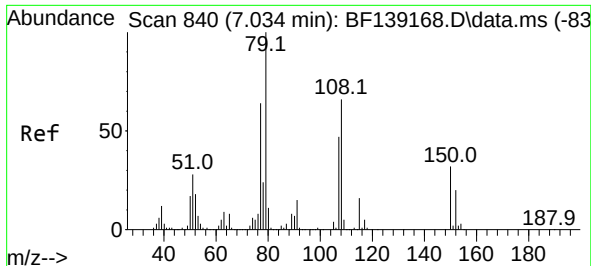
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#14  
1,2-Dichlorobenzene  
Concen: 42.144 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

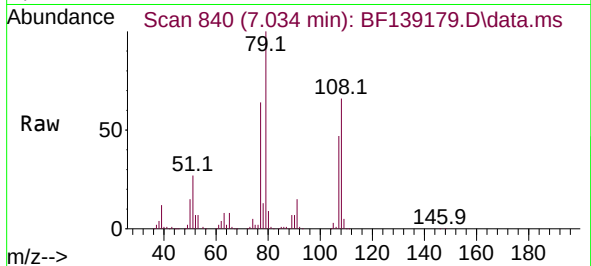
Tgt Ion:146 Resp: 385391  
Ion Ratio Lower Upper  
146 100  
148 64.3 51.4 77.2  
111 46.7 38.6 58.0





#15  
Benzyl Alcohol  
Concen: 48.296 ng  
RT: 7.034 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

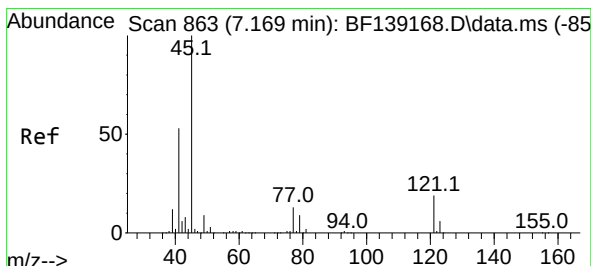
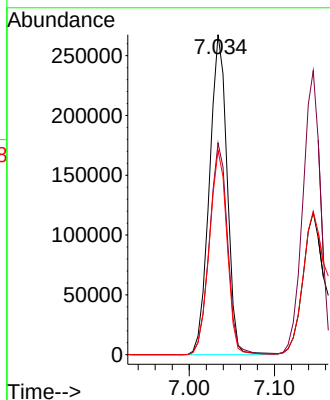
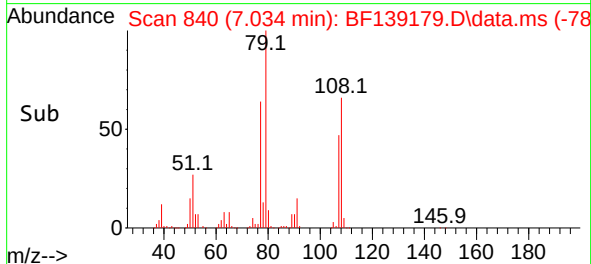
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion: 79 Resp: 386299  
Ion Ratio Lower Upper  
79 100  
108 66.1 52.7 79.1  
77 63.9 51.2 76.8

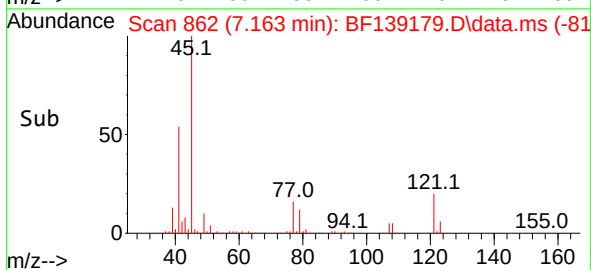
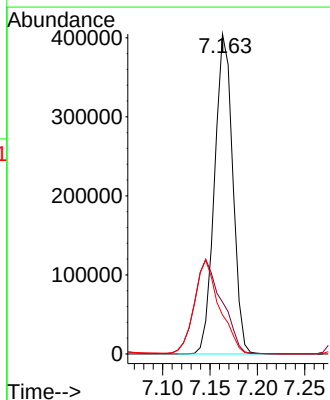
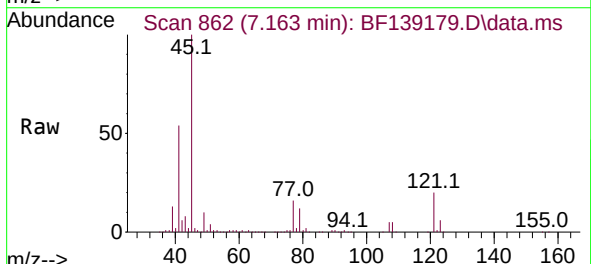
Manual Integrations  
APPROVED

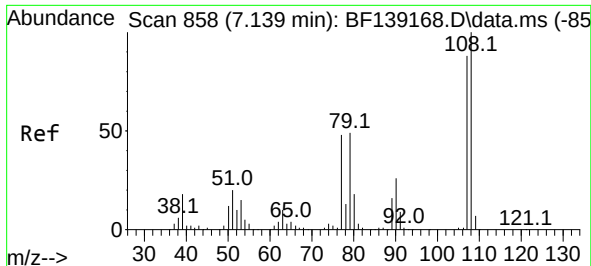
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.220 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion: 45 Resp: 540924  
Ion Ratio Lower Upper  
45 100  
77 16.2 0.0 33.9  
79 12.2 0.0 30.5





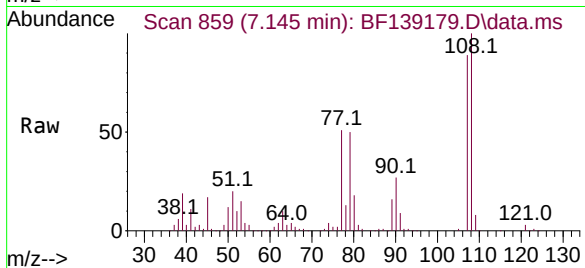
#17  
2-Methylphenol  
Concen: 45.297 ng  
RT: 7.145 min Scan# 858  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

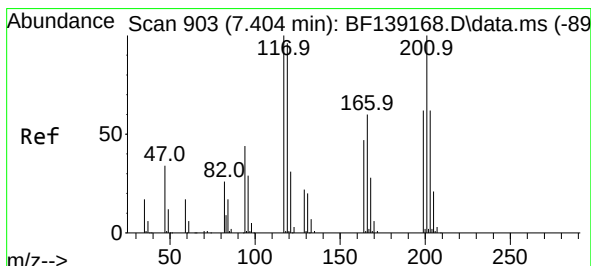
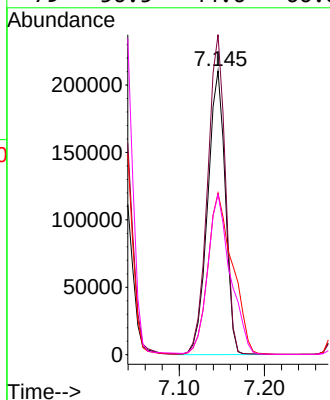
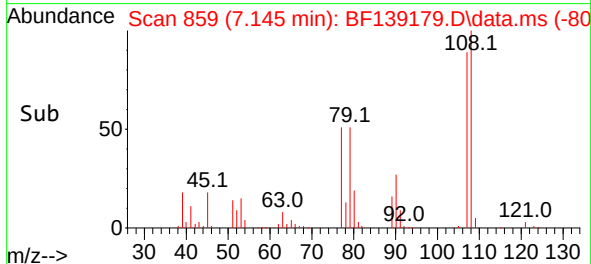


Tgt Ion:107 Resp: 30335  
Ion Ratio Lower Upper  
107 100  
108 112.8 91.4 137.0  
77 57.0 44.3 66.5  
79 56.5 44.6 66.8

Manual Integrations

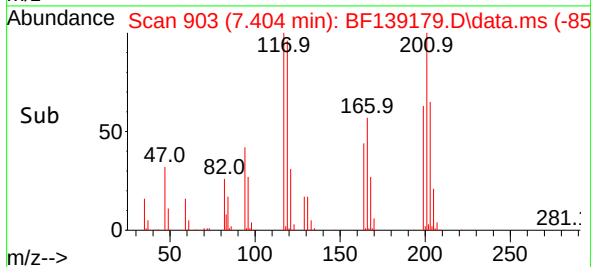
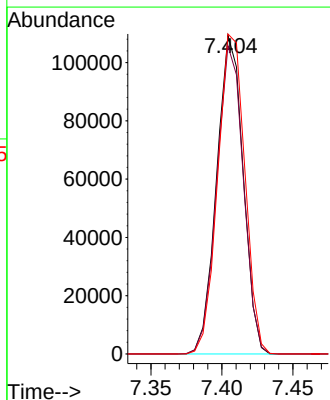
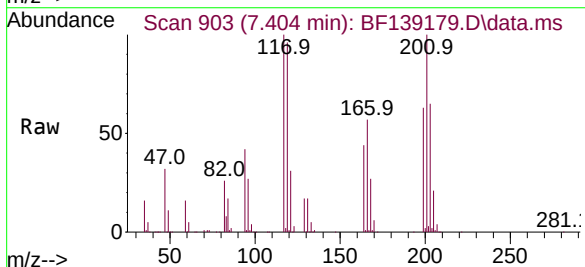
APPROVED

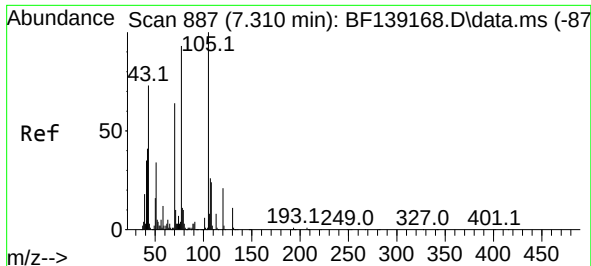
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#18  
Hexachloroethane  
Concen: 46.065 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:117 Resp: 141649  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.1 115.7  
201 100.4 79.7 119.5





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.029 ng  
RT: 7.310 min Scan# 887  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

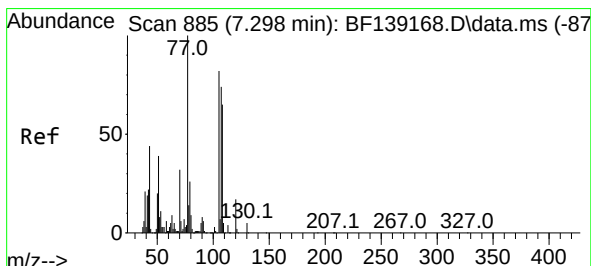
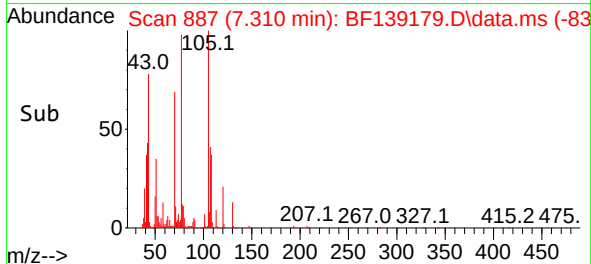
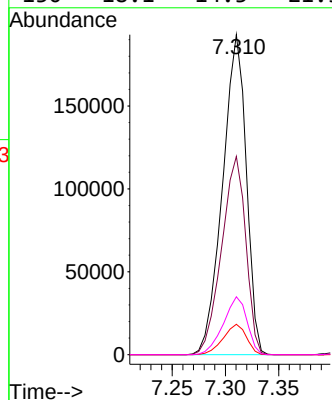
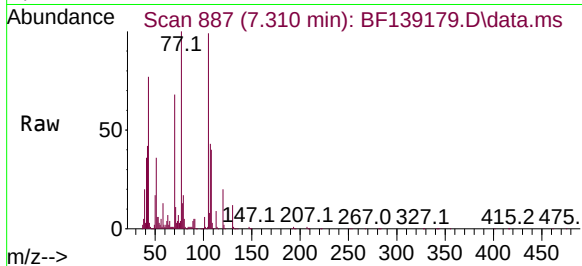
ClientSampleId :

PB162379BS

Tgt Ion: 70 Resp: 29849  
Ion Ratio Lower Upper  
70 100  
42 61.9 50.8 76.2  
101 9.5 7.4 11.0  
130 18.1 14.3 21.5

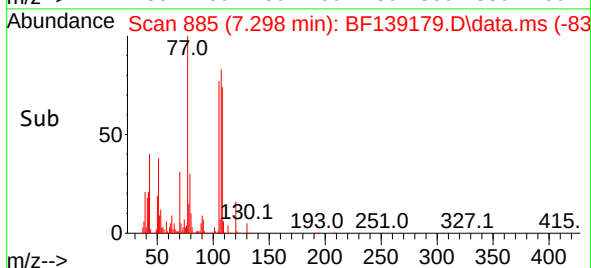
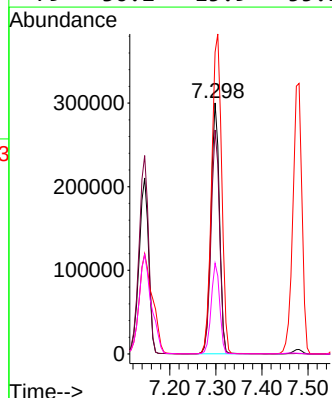
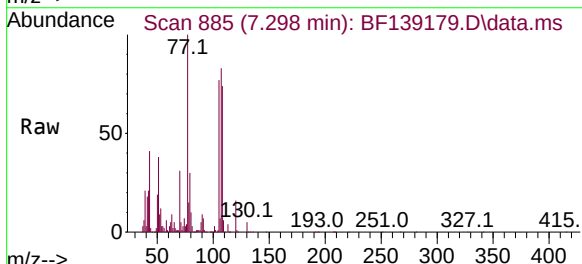
Manual Integrations  
APPROVED

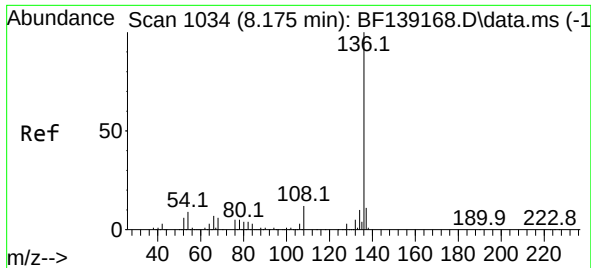
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#20  
3+4-Methylphenols  
Concen: 45.217 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:107 Resp: 386263  
Ion Ratio Lower Upper  
107 100  
108 89.3 68.5 108.5  
77 120.2 115.7 155.7  
79 36.2 15.9 55.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNF

ClientSampleId :

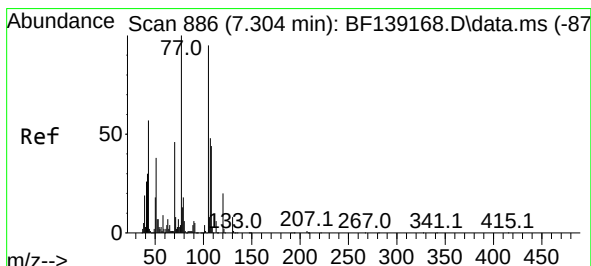
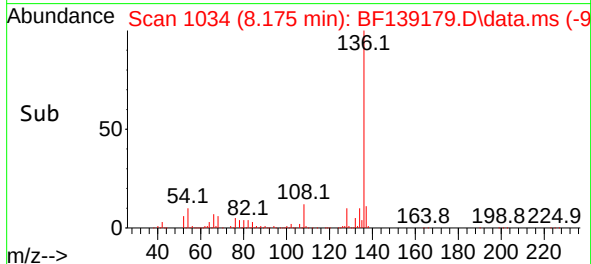
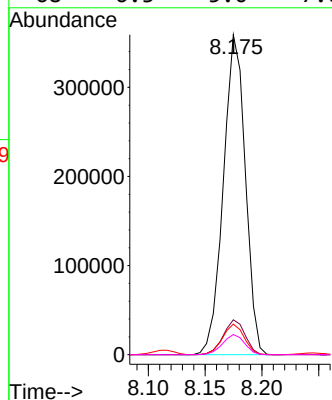
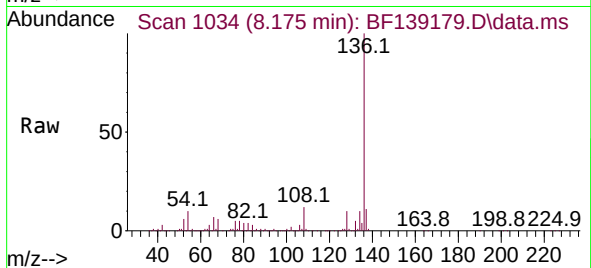
PB162379BS

Tgt Ion:136 Resp: 483020  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 12.8  
54 9.5 7.6 11.4  
68 6.3 5.0 7.6

Manual Integrations

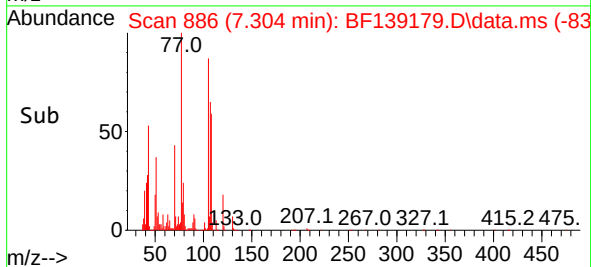
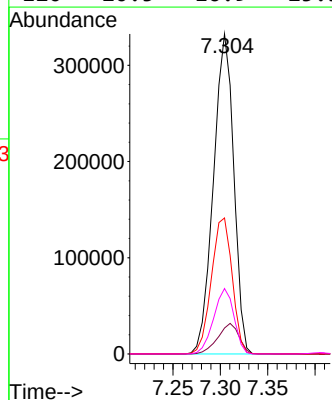
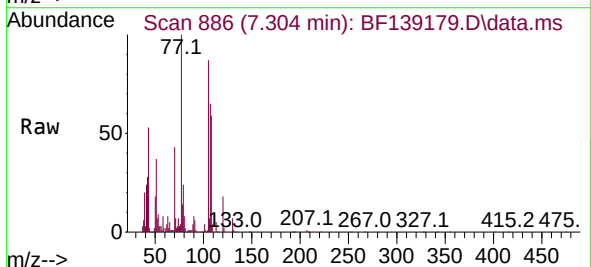
APPROVED

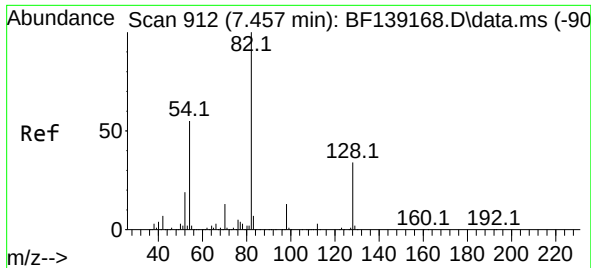
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#22  
Acetophenone  
Concen: 39.928 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:105 Resp: 495548  
Ion Ratio Lower Upper  
105 100  
71 8.1 6.5 9.7  
51 42.5 31.8 47.6  
120 20.5 16.9 25.3





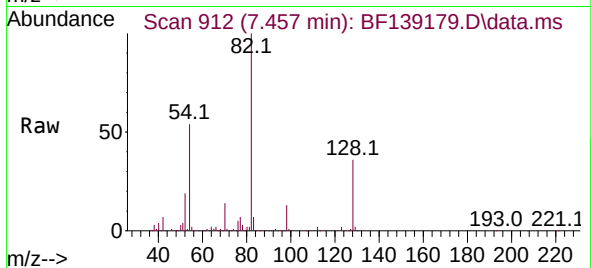
#23  
Nitrobenzene-d5  
Concen: 95.134 ng  
RT: 7.457 min Scan# 912  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

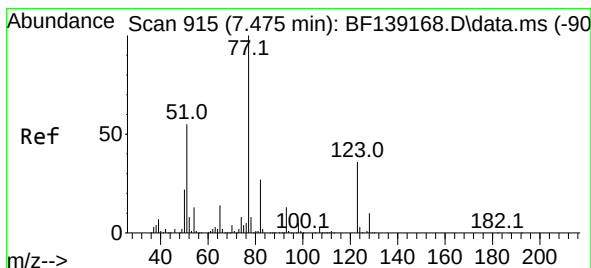
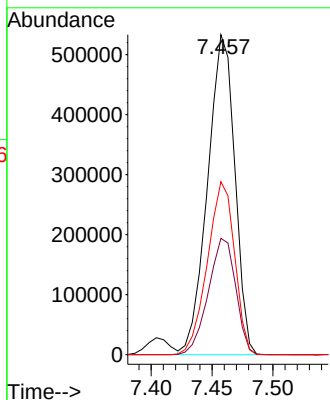
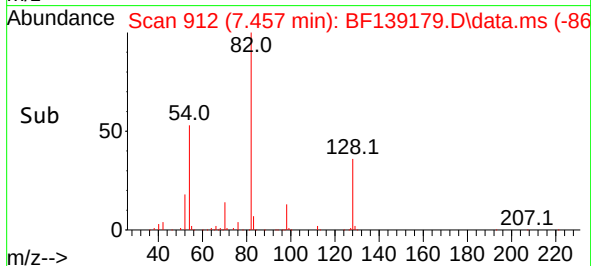
PB162379BS



Tgt Ion: 82 Resp: 829462  
Ion Ratio Lower Upper  
82 100  
128 36.3 27.1 40.7  
54 54.0 44.2 66.4

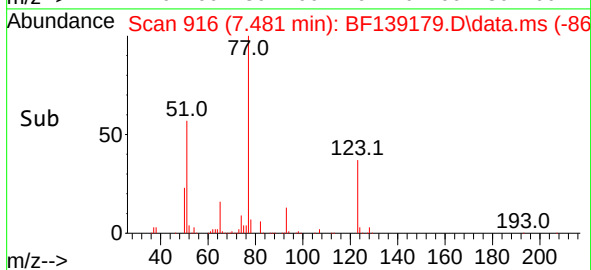
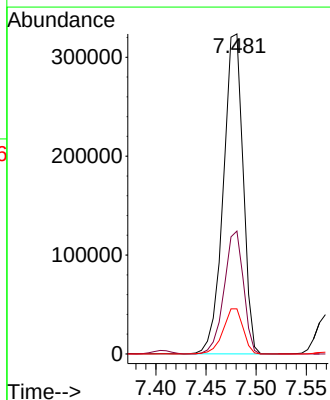
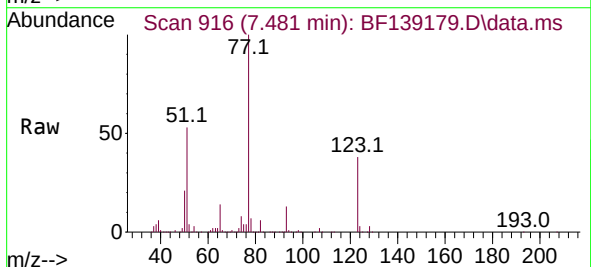
Manual Integrations  
APPROVED

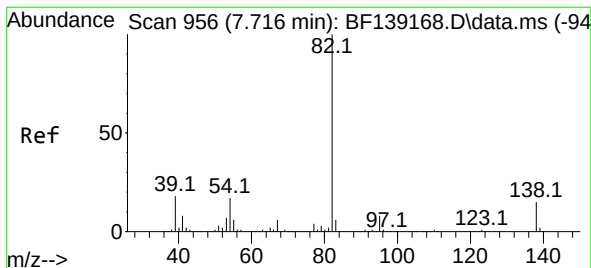
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#24  
Nitrobenzene  
Concen: 43.892 ng  
RT: 7.481 min Scan# 916  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion: 77 Resp: 442844  
Ion Ratio Lower Upper  
77 100  
123 38.4 28.7 43.1  
65 14.1 10.9 16.3





#25

Isophorone

Concen: 45.408 ng

RT: 7.716 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

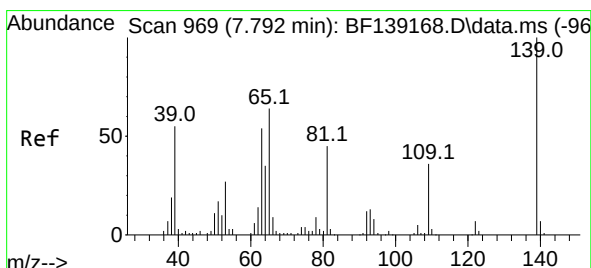
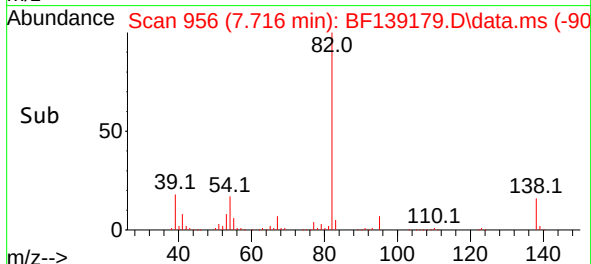
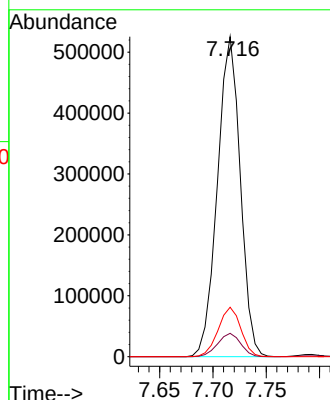
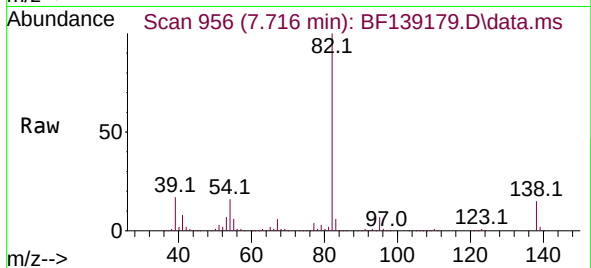
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 782910 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 95       | 7.3   | 6.1   | 9.1    |
| 138      | 15.4  | 12.2  | 18.4   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#26

2-Nitrophenol

Concen: 53.449 ng

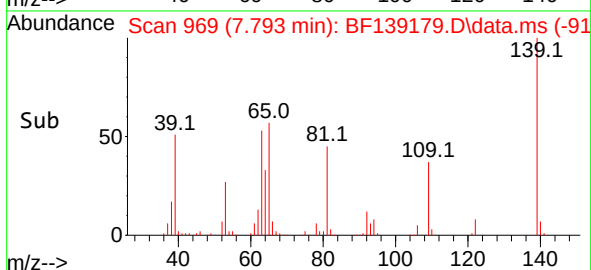
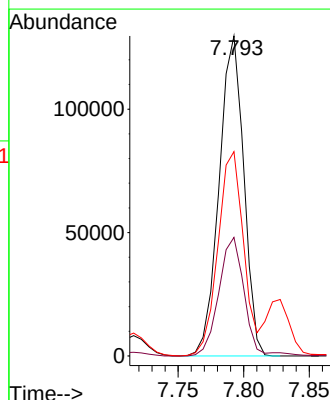
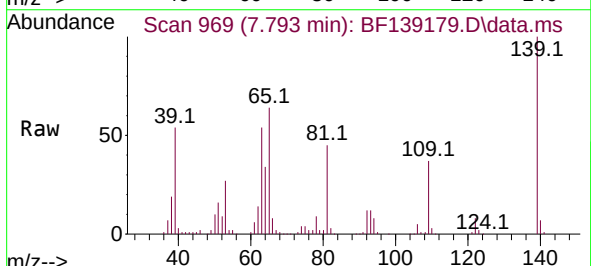
RT: 7.793 min Scan# 969

Delta R.T. 0.001 min

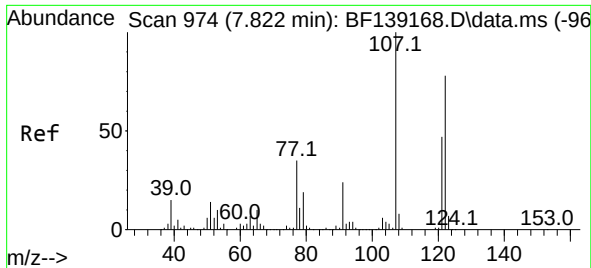
Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 169193 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 37.0  | 28.9  | 43.3   |
| 65       | 63.9  | 51.1  | 76.7   |







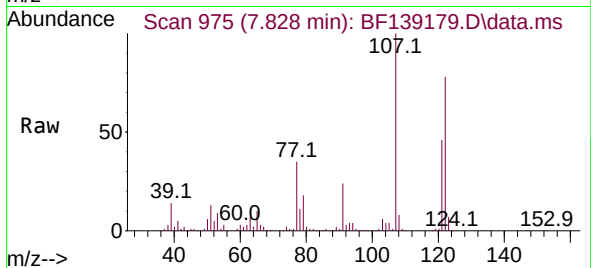
#27  
2,4-Dimethylphenol  
Concen: 50.650 ng  
RT: 7.828 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



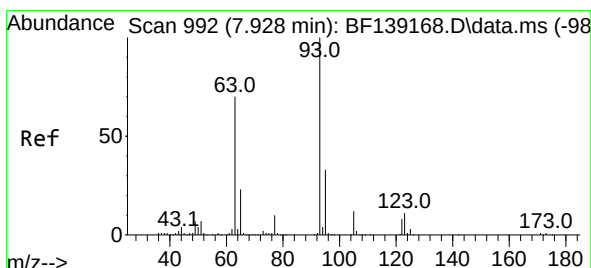
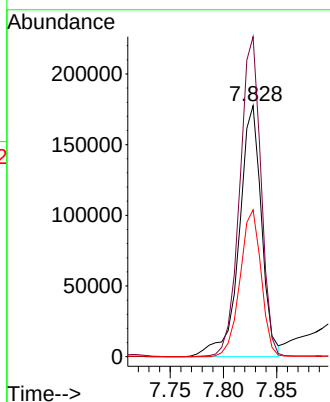
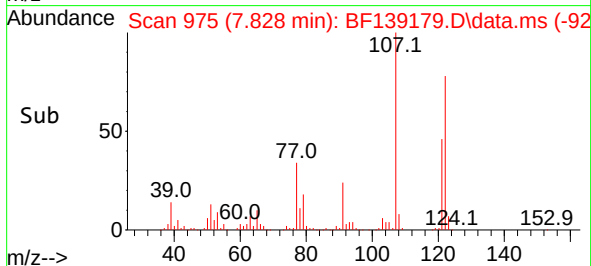
Tgt Ion:122 Resp: 258840  
Ion Ratio Lower Upper  
122 100  
107 127.5 102.1 153.1  
121 58.5 47.8 71.6

Manual Integrations

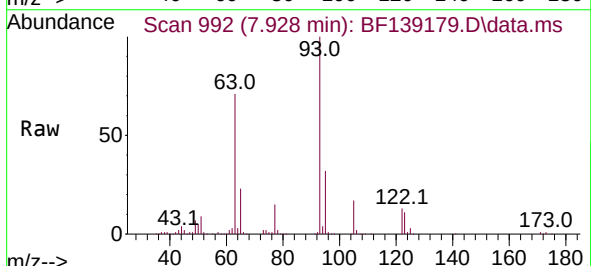
APPROVED

Reviewed By :Yogesh Patel 08/28/2024

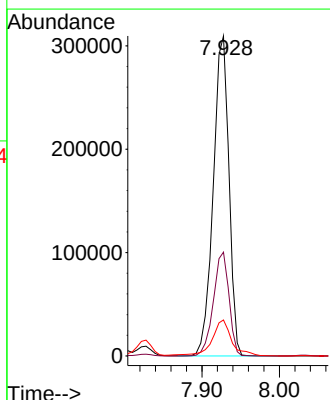
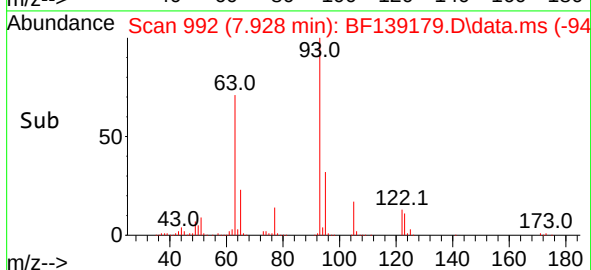
Supervised By :mohammad ahmed 08/28/2024

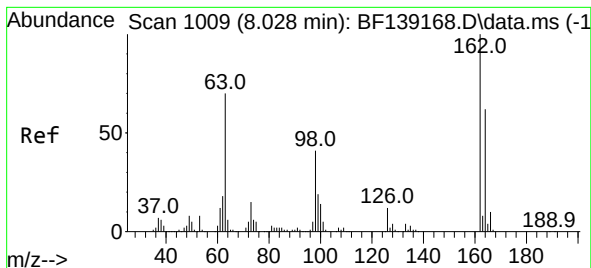


#28  
bis(2-Chloroethoxy)methane  
Concen: 43.541 ng  
RT: 7.928 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion: 93 Resp: 434646  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.2 39.2  
123 11.3 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 48.664 ng

RT: 8.034 min Scan# 1009

Delta R.T. 0.006 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

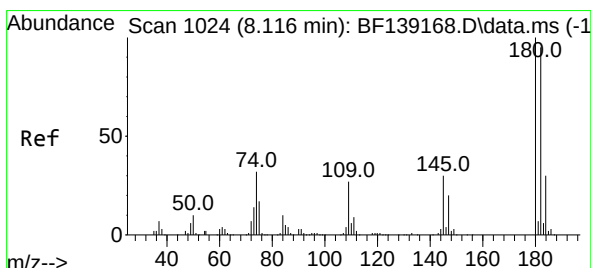
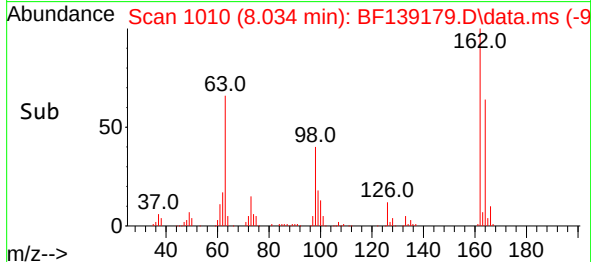
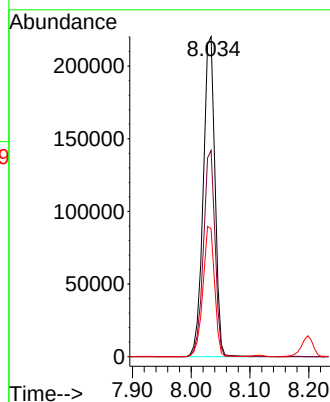
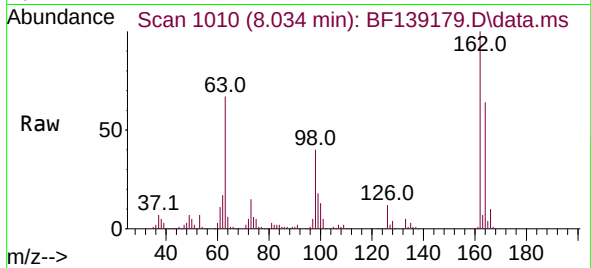
Tgt Ion:162 Resp: 306960  
 Ion Ratio Lower Upper  
 162 100  
 164 64.5 42.3 82.3  
 98 39.9 20.8 60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#30

1,2,4-Trichlorobenzene

Concen: 41.476 ng

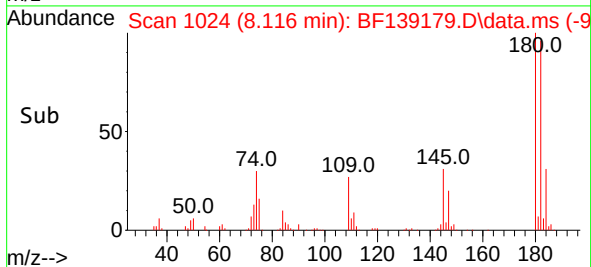
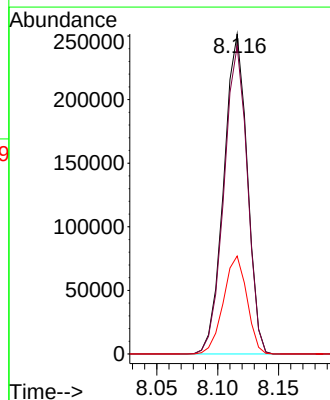
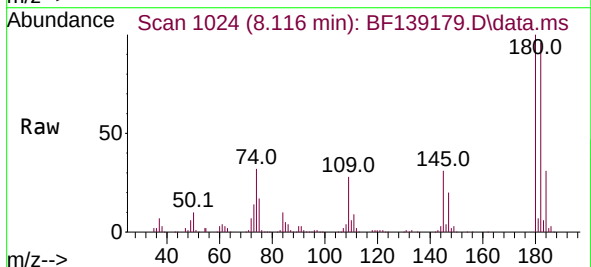
RT: 8.116 min Scan# 1024

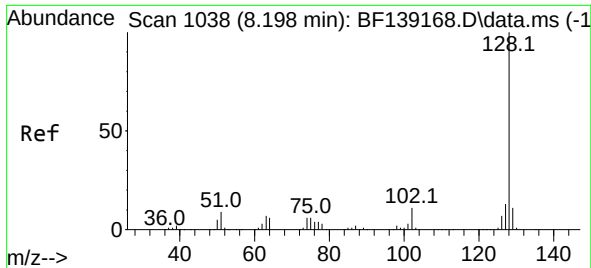
Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Tgt Ion:180 Resp: 337380  
 Ion Ratio Lower Upper  
 180 100  
 182 96.3 76.2 114.2  
 145 30.6 23.6 35.4





#31  
Naphthalene  
Concen: 41.877 ng  
RT: 8.198 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

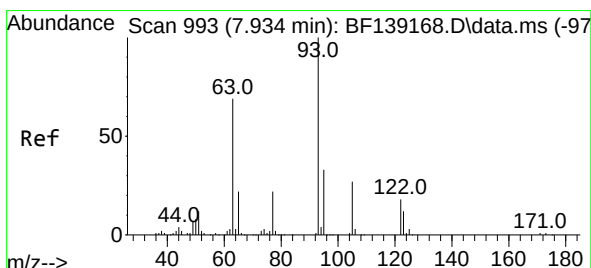
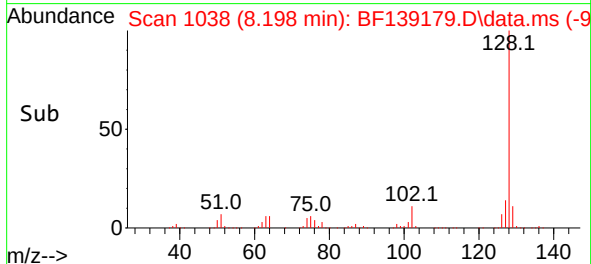
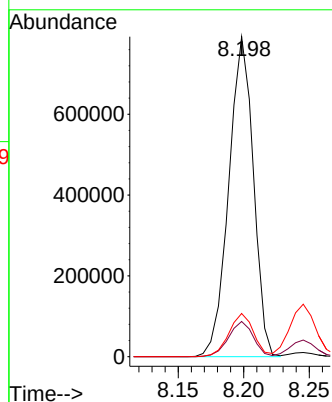
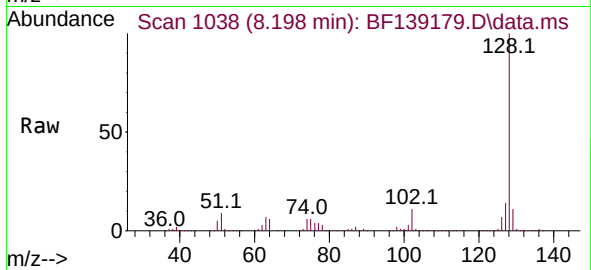
PB162379BS

Tgt Ion:128 Resp: 103429  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 13.5 10.7 16.1

Manual Integrations

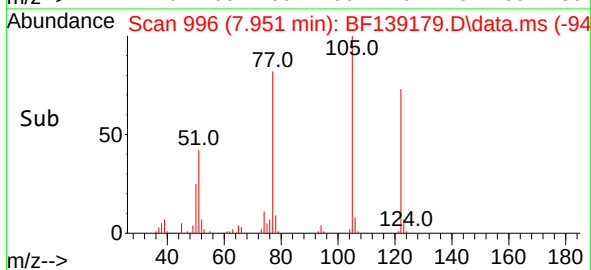
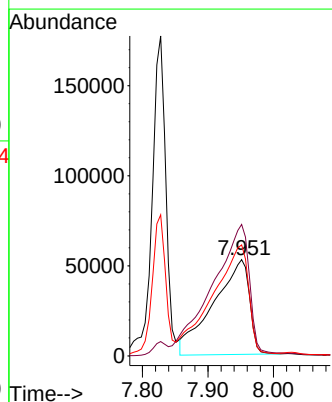
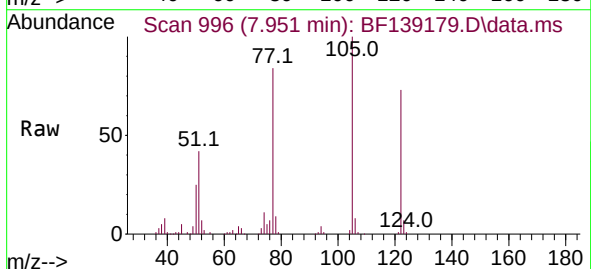
APPROVED

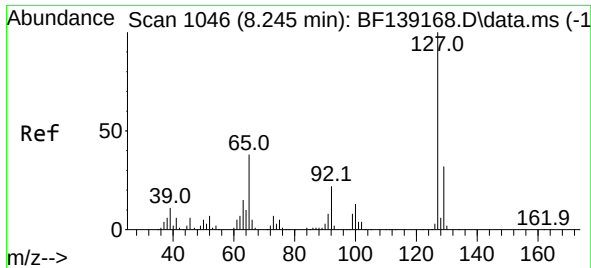
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#32  
Benzoic acid  
Concen: 46.219 ng  
RT: 7.951 min Scan# 996  
Delta R.T. 0.017 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:122 Resp: 200082  
Ion Ratio Lower Upper  
122 100  
105 136.6 118.9 158.9  
77 115.4 96.4 136.4





#33  
4-Chloroaniline  
Concen: 21.704 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

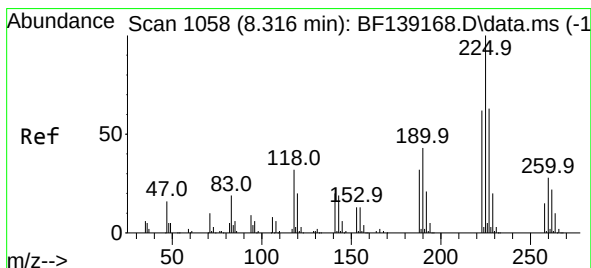
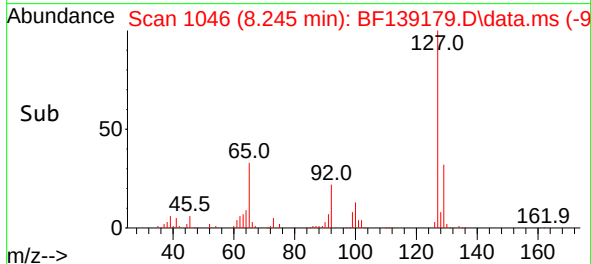
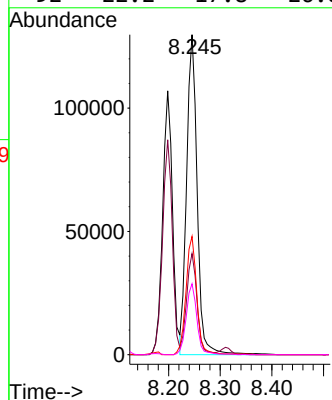
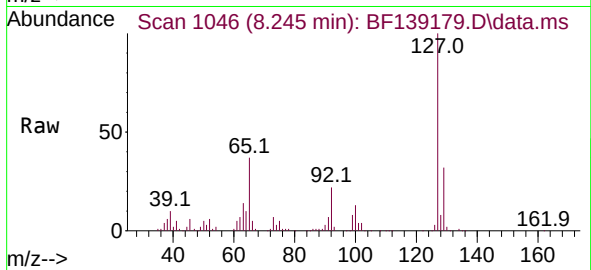
PB162379BS

Tgt Ion:127 Resp: 18473  
Ion Ratio Lower Upper  
127 100  
129 31.6 25.7 38.5  
65 37.0 30.8 46.2  
92 22.2 17.8 26.8

Manual Integrations

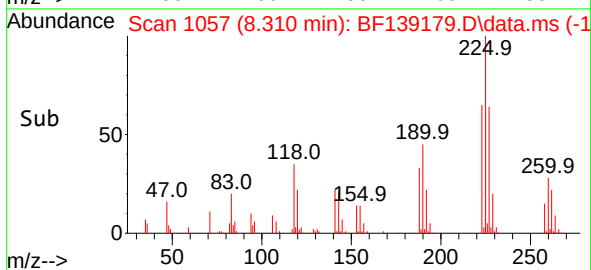
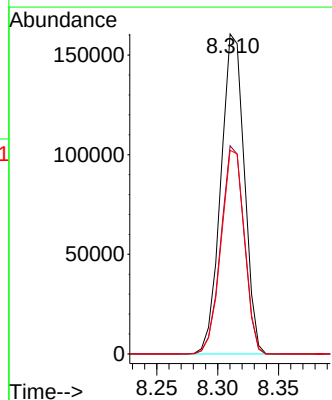
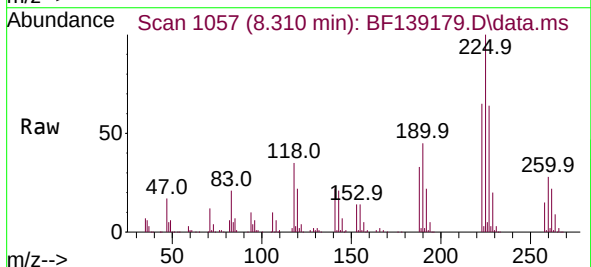
APPROVED

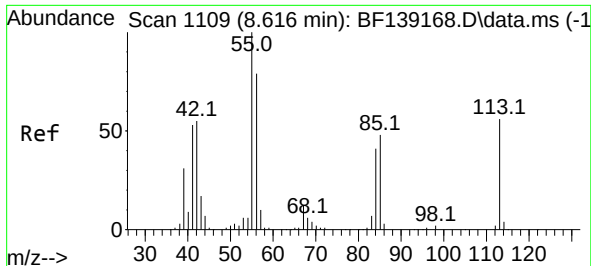
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#34  
Hexachlorobutadiene  
Concen: 40.711 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:225 Resp: 215193  
Ion Ratio Lower Upper  
225 100  
223 65.0 49.7 74.5  
227 63.6 50.3 75.5





#35  
Caprolactam  
Concen: 48.303 ng m  
RT: 8.616 min Scan# 1109  
Delta R.T. -0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

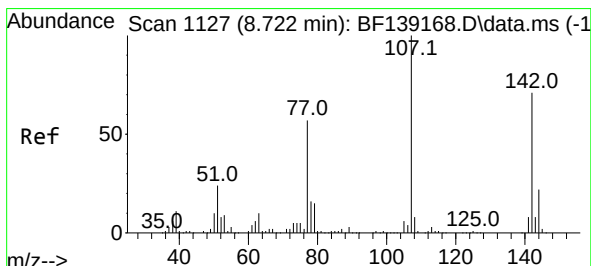
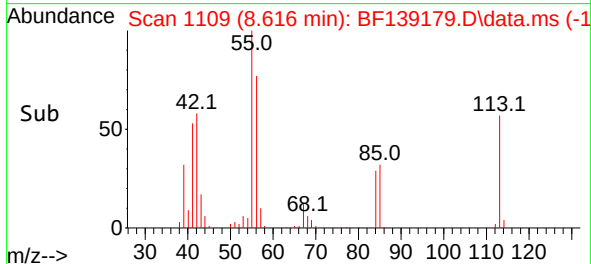
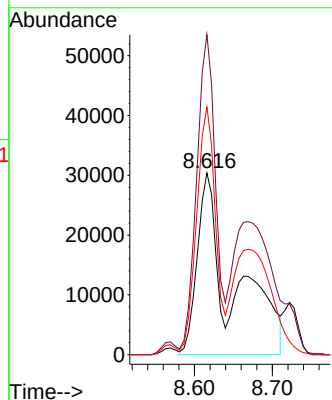
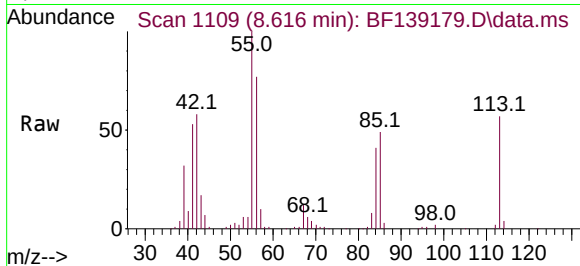
ClientSampleId :

PB162379BS

Tgt Ion:113 Resp: 93468  
Ion Ratio Lower Upper  
113 100  
55 176.0 158.0 198.0  
56 136.2 119.6 159.6

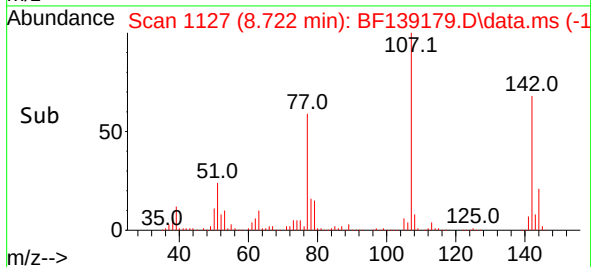
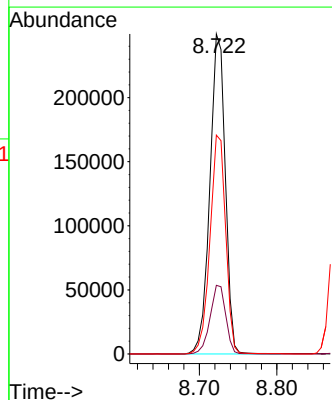
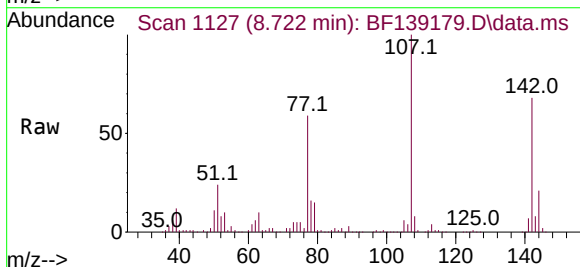
Manual Integrations  
APPROVED

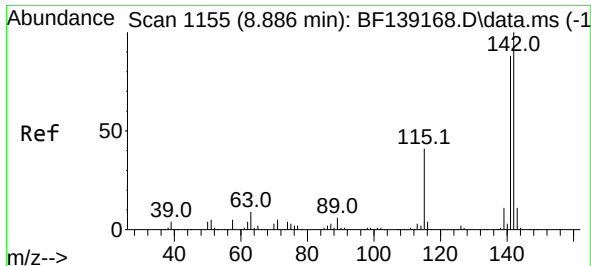
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#36  
4-Chloro-3-methylphenol  
Concen: 47.716 ng  
RT: 8.722 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:107 Resp: 345190  
Ion Ratio Lower Upper  
107 100  
144 21.5 17.8 26.8  
142 68.4 56.6 84.8





#37

2-Methylnaphthalene

Concen: 43.218 ng

RT: 8.887 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

Tgt Ion:142 Resp: 66916

Ion Ratio Lower Upper

142 100

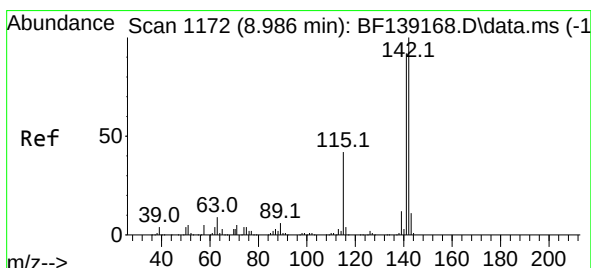
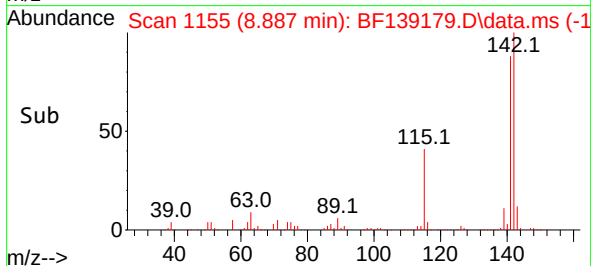
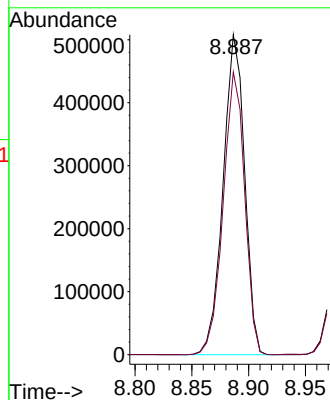
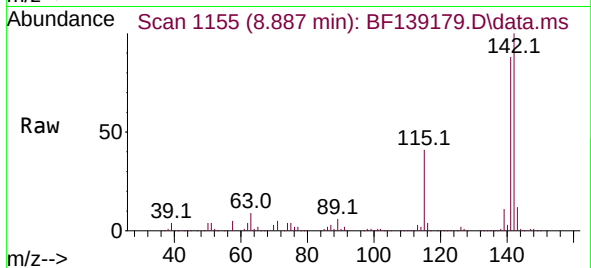
141 88.3 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#38

1-Methylnaphthalene

Concen: 40.503 ng

RT: 8.987 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139179.D

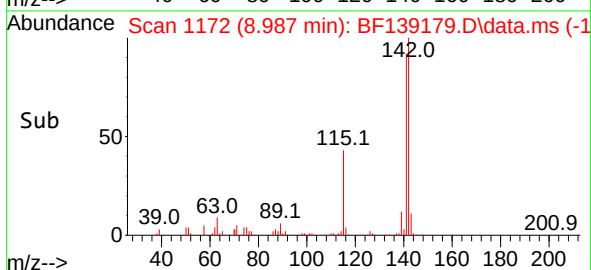
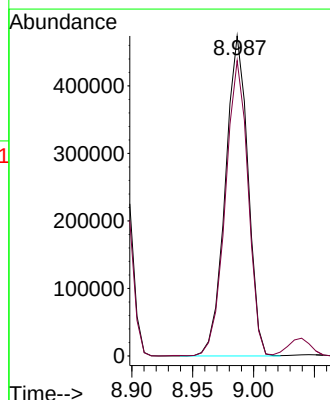
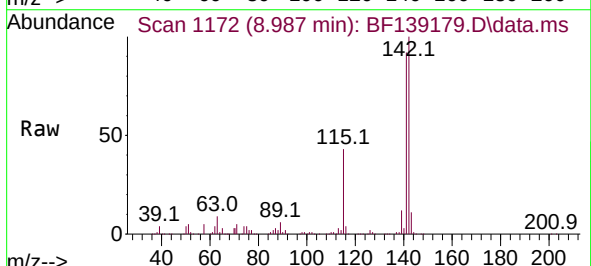
Acq: 27 Aug 2024 11:02

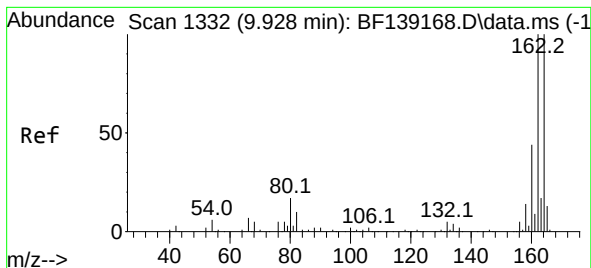
Tgt Ion:142 Resp: 612937

Ion Ratio Lower Upper

142 100

141 92.3 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139179.D

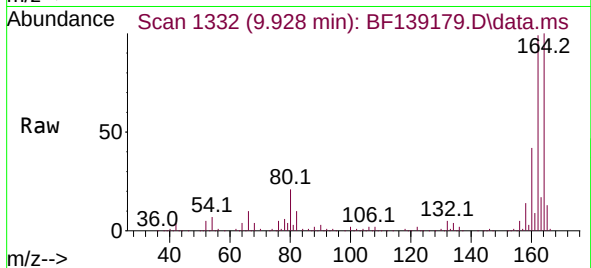
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



Tgt Ion:164 Resp: 27826

Ion Ratio Lower Upper

164 100

162 98.8 80.0 120.0

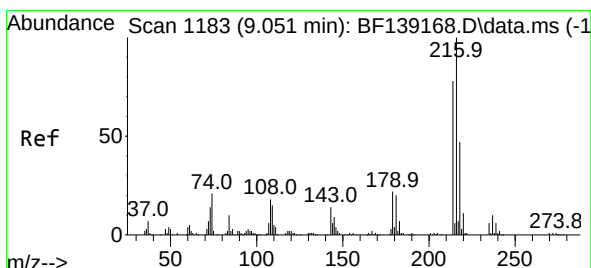
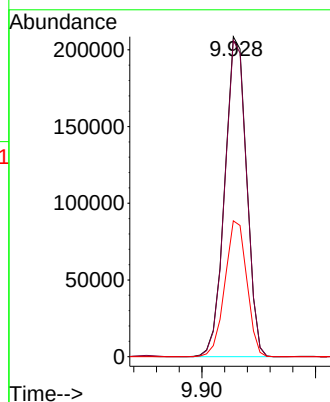
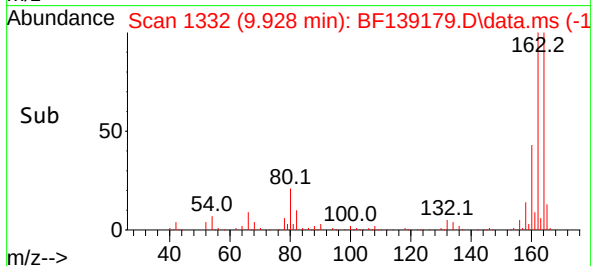
160 42.4 35.0 52.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.304 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Tgt Ion:216 Resp: 316149

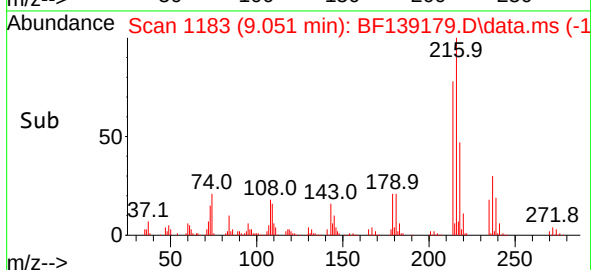
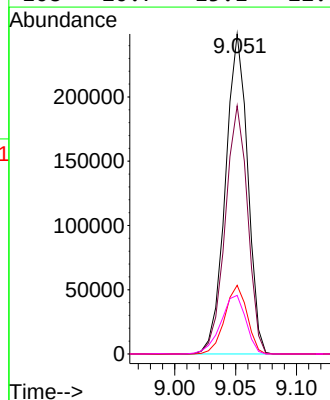
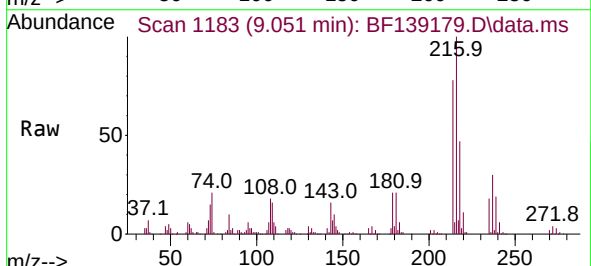
Ion Ratio Lower Upper

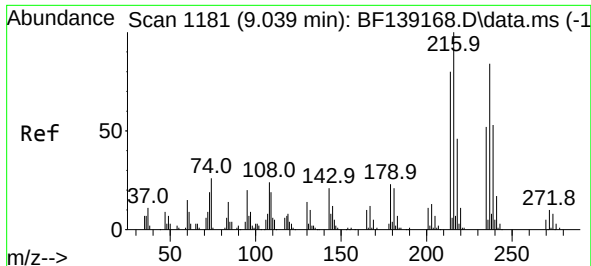
216 100

214 77.8 62.5 93.7

179 21.5 17.5 26.3

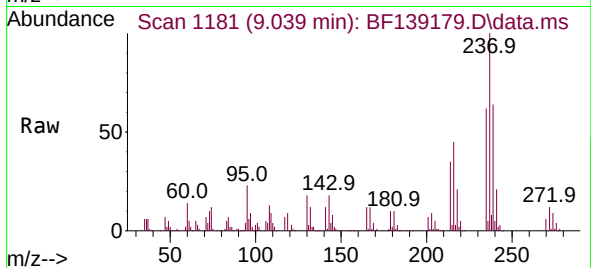
108 20.7 15.1 22.7





#41  
Hexachlorocyclopentadiene  
Concen: 108.921 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

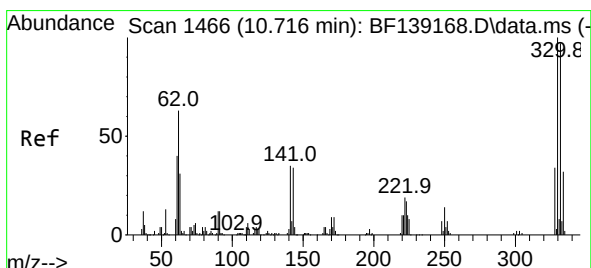
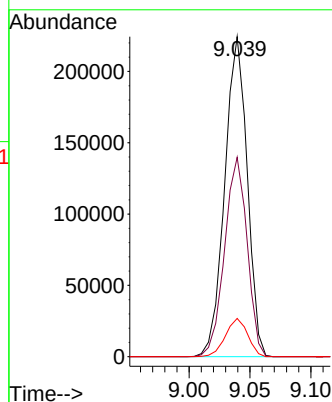
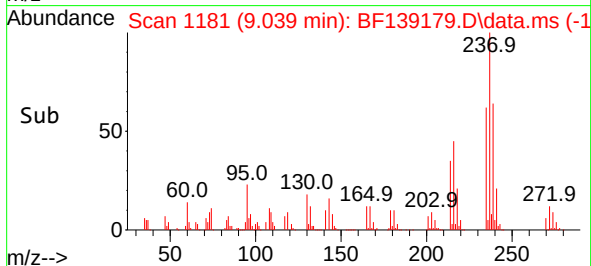
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion:237 Resp: 288668  
Ion Ratio Lower Upper  
237 100  
235 62.3 42.1 82.1  
272 11.9 0.0 32.2

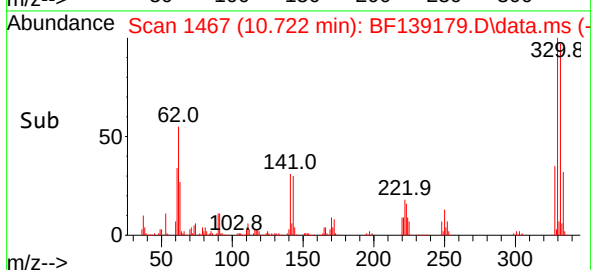
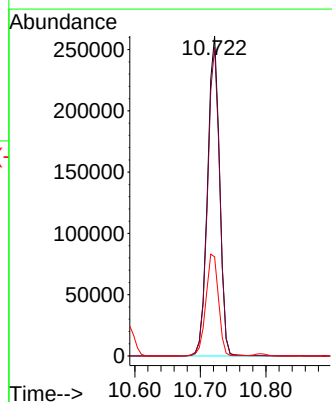
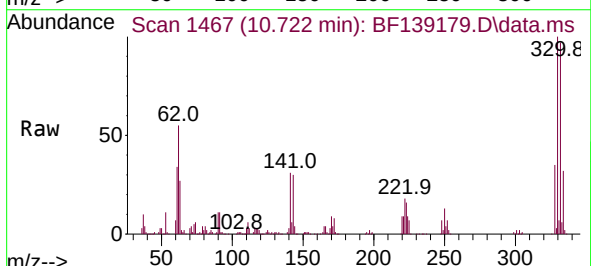
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

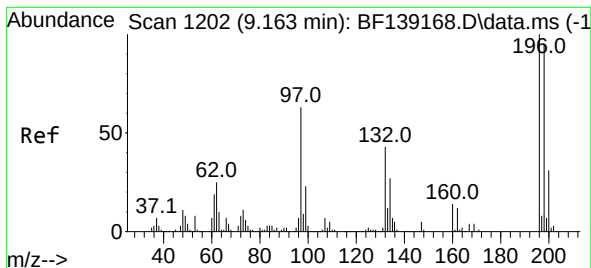


#42  
2,4,6-Tribromophenol  
Concen: 140.220 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:330 Resp: 334168  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.3 115.9  
141 33.3 28.8 43.2







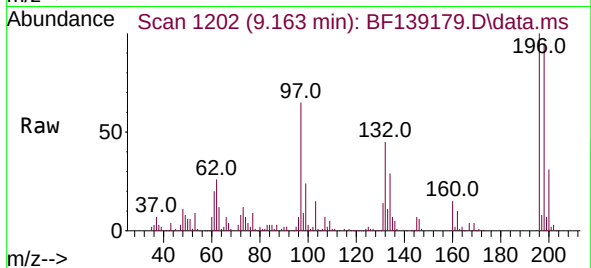
#43  
2,4,6-Trichlorophenol  
Concen: 51.063 ng  
RT: 9.163 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

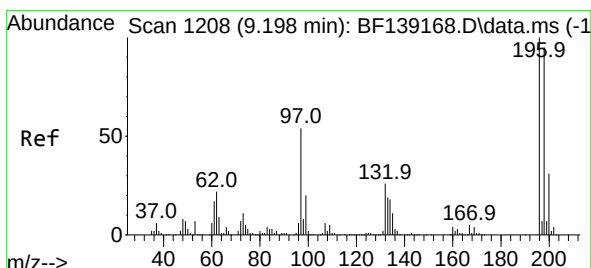
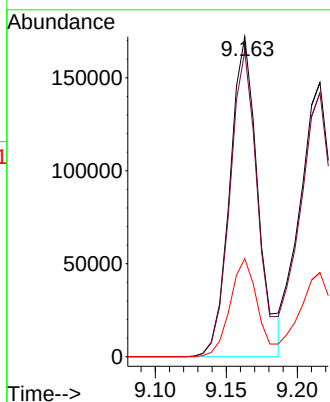
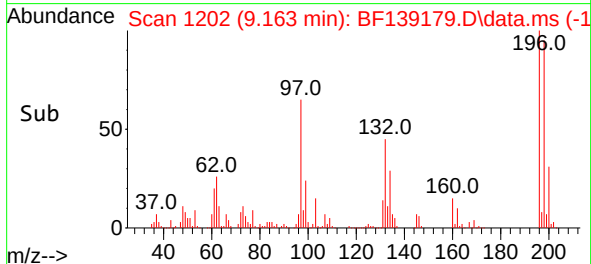


Tgt Ion:196 Resp: 235652  
Ion Ratio Lower Upper  
196 100  
198 95.4 75.8 113.8  
200 30.6 24.5 36.7

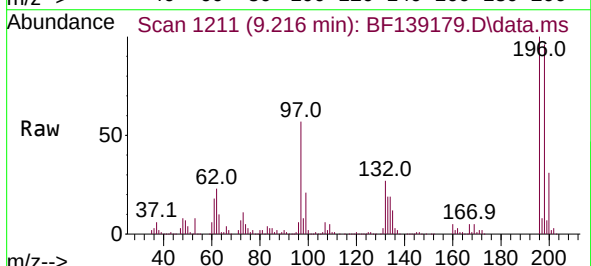
Manual Integrations

APPROVED

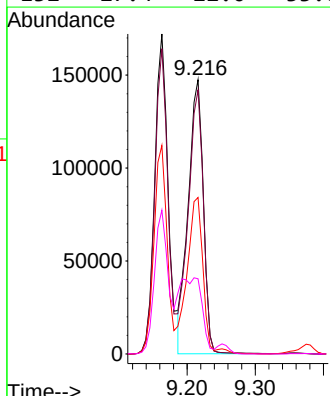
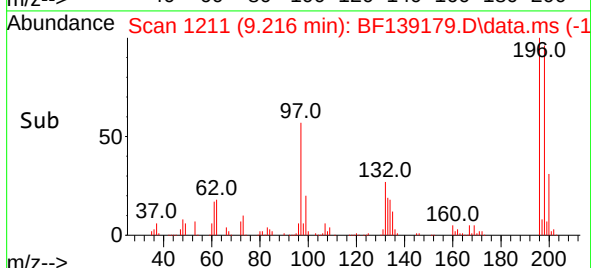
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

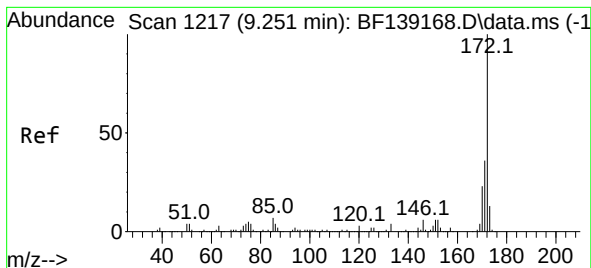


#44  
2,4,5-Trichlorophenol  
Concen: 46.842 ng  
RT: 9.216 min Scan# 1211  
Delta R.T. 0.018 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



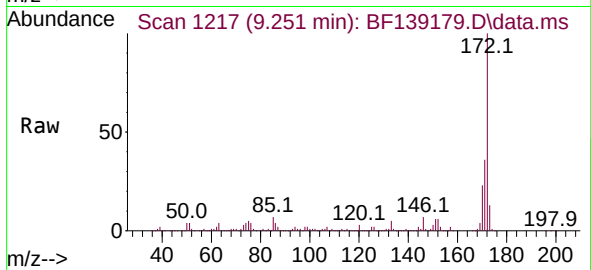
Tgt Ion:196 Resp: 226595  
Ion Ratio Lower Upper  
196 100  
198 96.2 75.7 113.5  
97 57.1 44.9 67.3  
132 27.4 22.0 33.0





#45  
2-Fluorobiphenyl  
Concen: 76.936 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

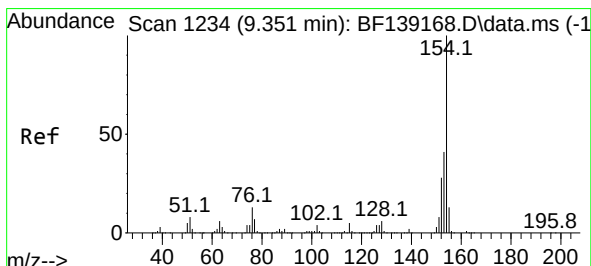
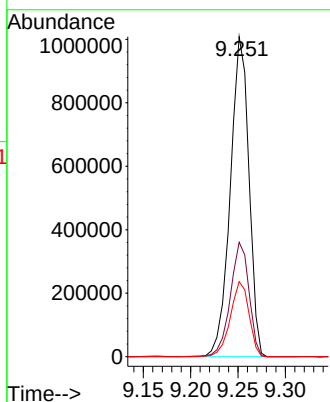
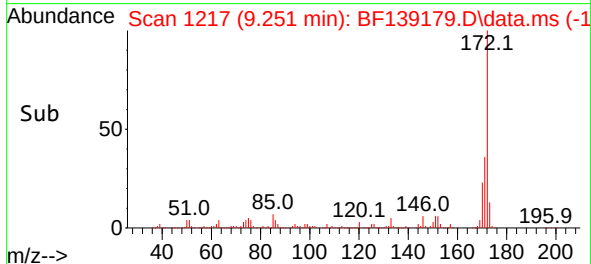
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



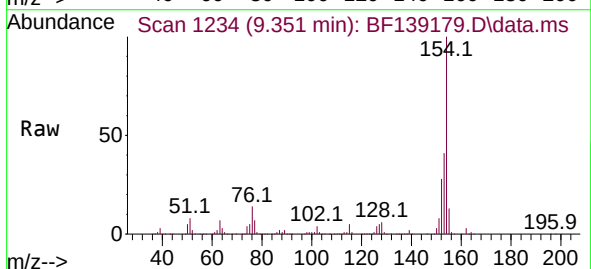
Tgt Ion:172 Resp: 1378190  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.6 42.8  
170 23.5 18.8 28.2

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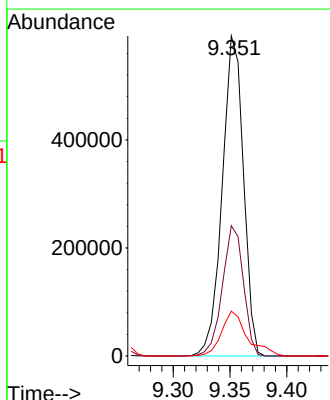
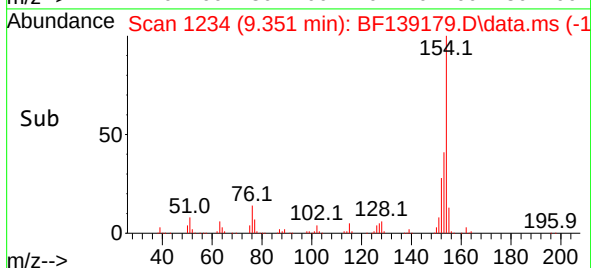
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

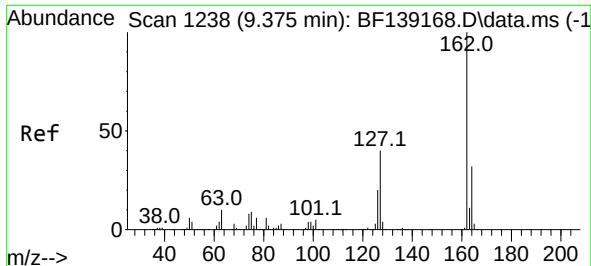


#46  
1,1'-Biphenyl  
Concen: 38.188 ng  
RT: 9.351 min Scan# 1234  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:154 Resp: 769156  
Ion Ratio Lower Upper  
154 100  
153 40.7 20.7 60.7  
76 14.0 0.0 33.4





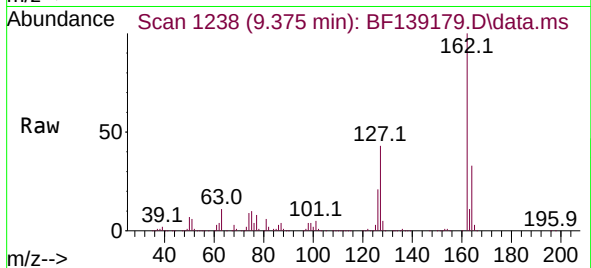
#47  
2-Chloronaphthalene  
Concen: 40.473 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



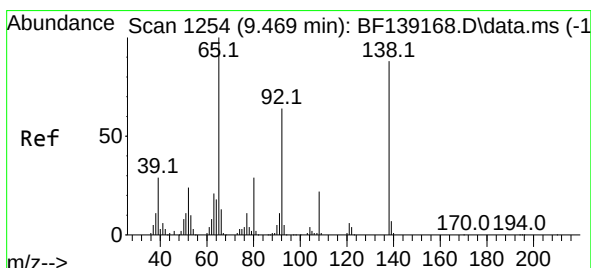
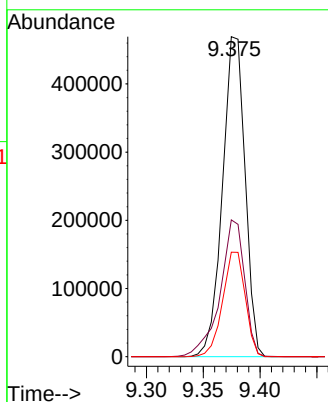
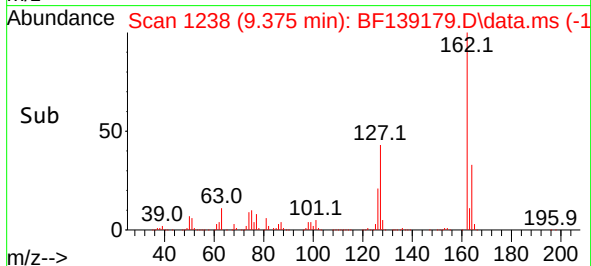
Tgt Ion:162 Resp: 650330  
Ion Ratio Lower Upper  
162 100  
127 42.7 32.4 48.6  
164 32.6 25.9 38.9

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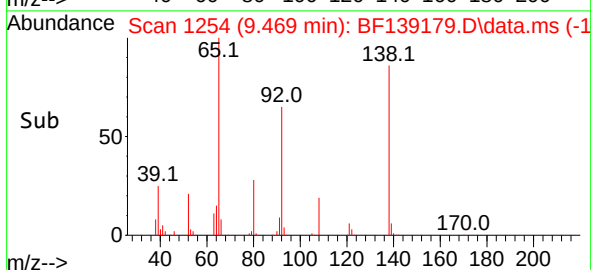
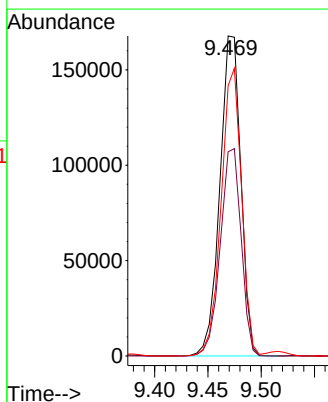
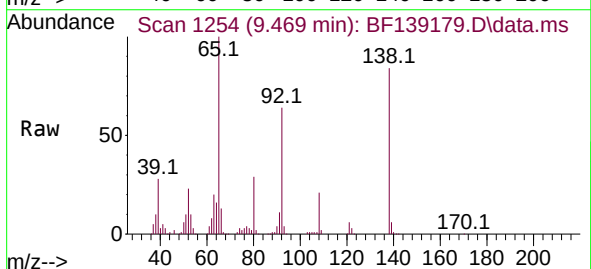
Reviewed By :Yogesh Patel 08/28/2024

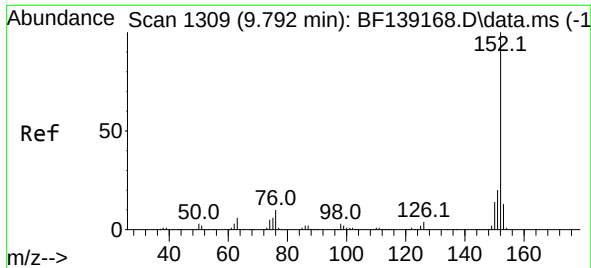
Supervised By :mohammad ahmed 08/28/2024



#48  
2-Nitroaniline  
Concen: 48.465 ng  
RT: 9.469 min Scan# 1254  
Delta R.T. -0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion: 65 Resp: 229547  
Ion Ratio Lower Upper  
65 100  
92 63.8 51.2 76.8  
138 84.4 70.0 105.0





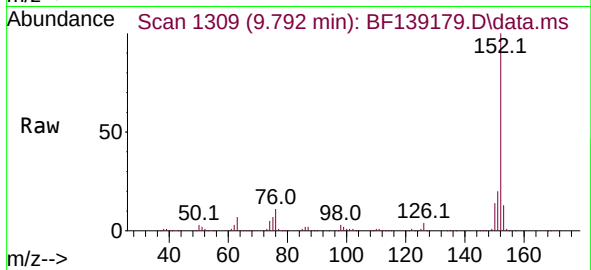
#49  
Acenaphthylene  
Concen: 45.254 ng  
RT: 9.792 min Scan# 1309  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



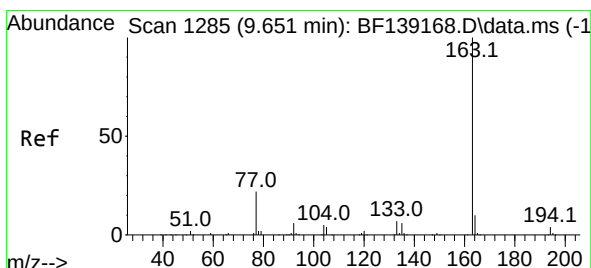
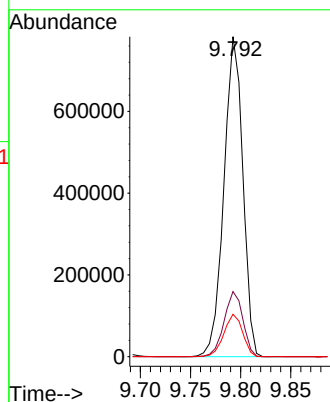
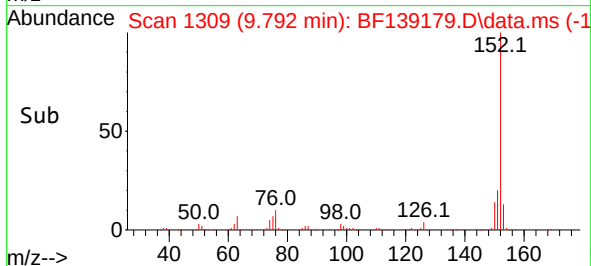
Tgt Ion:152 Resp: 1024610  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.4 24.6  
153 13.2 10.5 15.7

Manual Integrations

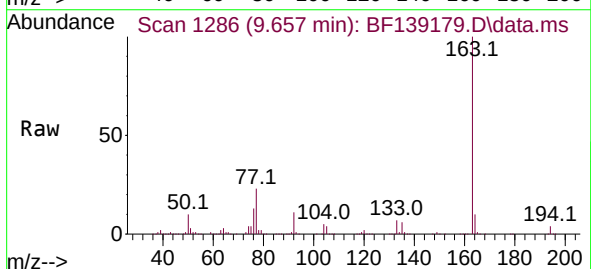
APPROVED

Reviewed By :Yogesh Patel 08/28/2024

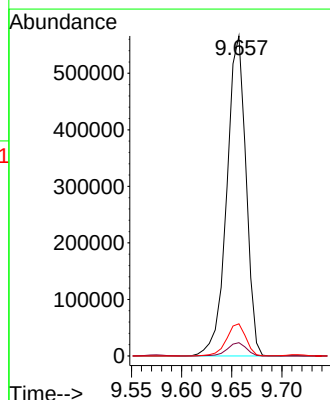
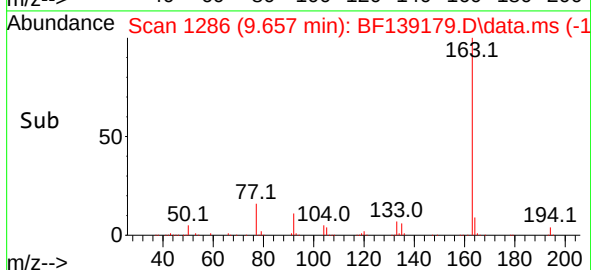
Supervised By :mohammad ahmed 08/28/2024

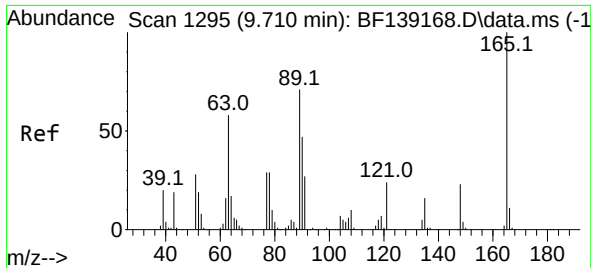


#50  
Dimethylphthalate  
Concen: 46.673 ng  
RT: 9.657 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:163 Resp: 750230  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.0 8.1 12.1





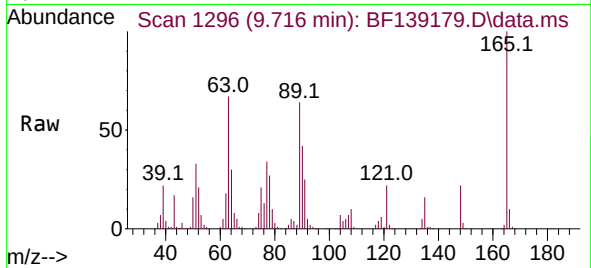
#51  
2,6-Dinitrotoluene  
Concen: 47.141 ng  
RT: 9.716 min Scan# 1295  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



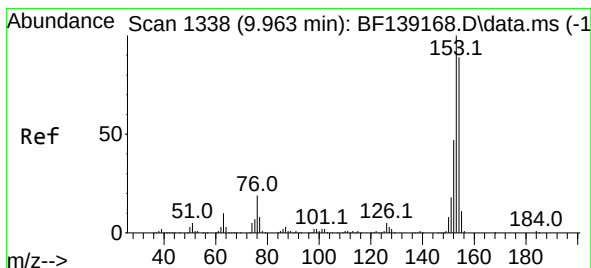
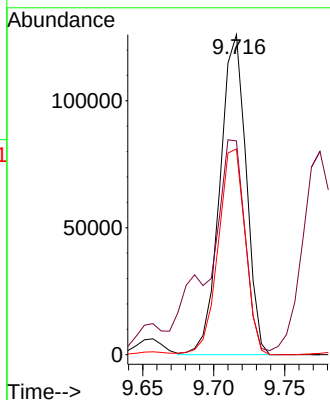
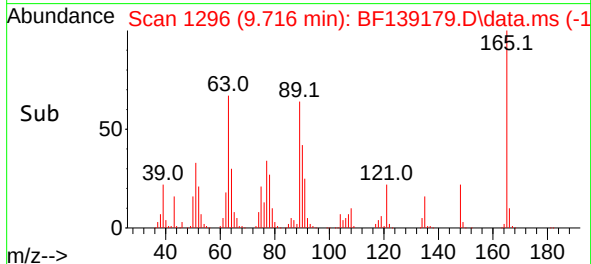
Tgt Ion:165 Resp: 161824  
Ion Ratio Lower Upper  
165 100  
63 66.8 60.1 90.1  
89 64.3 57.0 85.6

Manual Integrations

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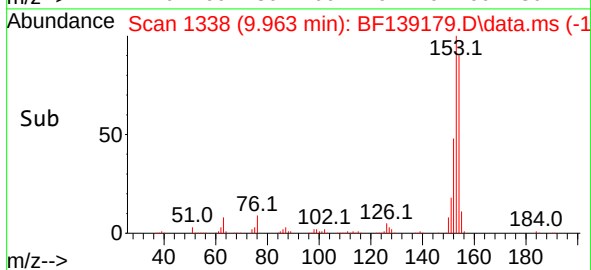
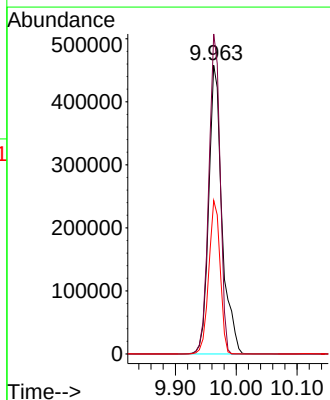
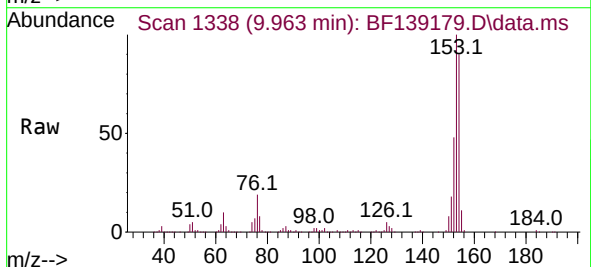
Reviewed By :Yogesh Patel 08/28/2024

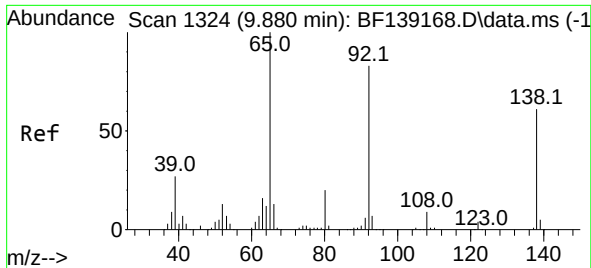
Supervised By :mohammad ahmed 08/28/2024



#52  
Acenaphthene  
Concen: 46.596 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:154 Resp: 693048  
Ion Ratio Lower Upper  
154 100  
153 110.9 90.0 135.0  
152 53.2 42.4 63.6





#53  
3-Nitroaniline  
Concen: 35.112 ng  
RT: 9.881 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

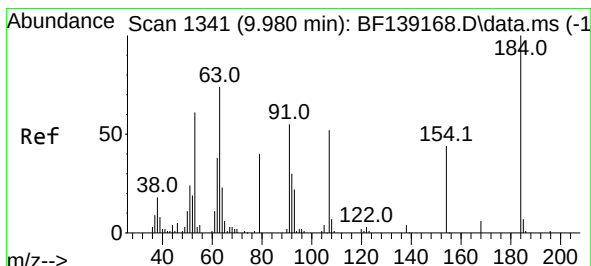
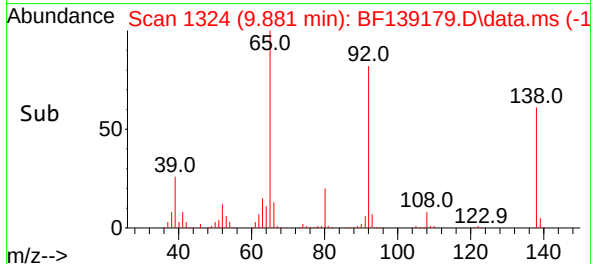
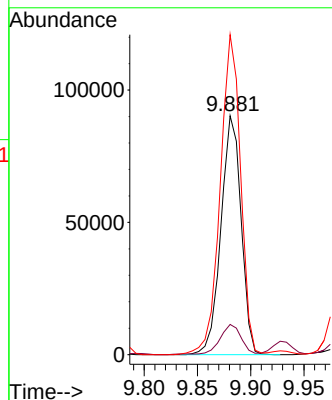
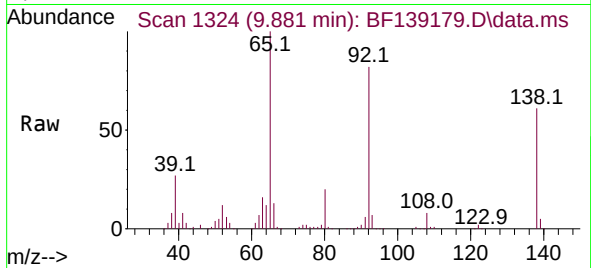
ClientSampleId :

PB162379BS

Tgt Ion:138 Resp: 11858  
Ion Ratio Lower Upper  
138 100  
108 12.6 11.8 17.6  
92 134.0 108.2 162.2

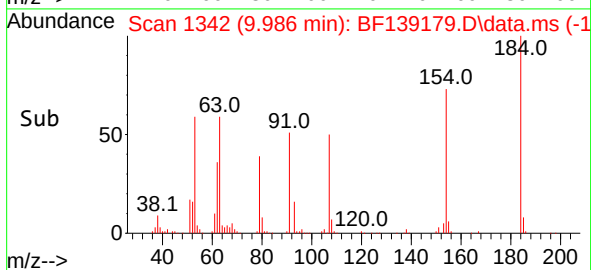
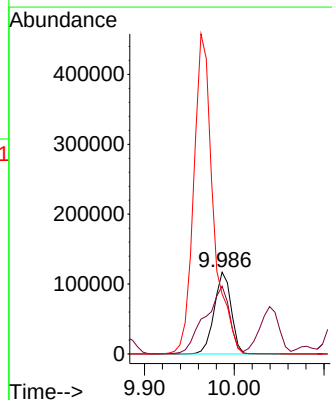
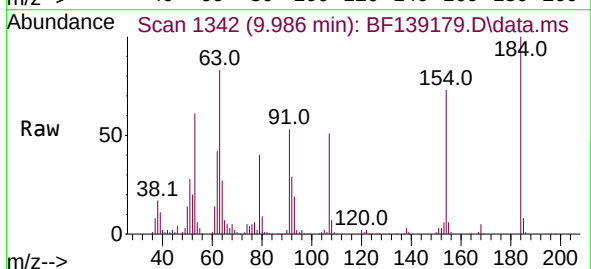
Manual Integrations  
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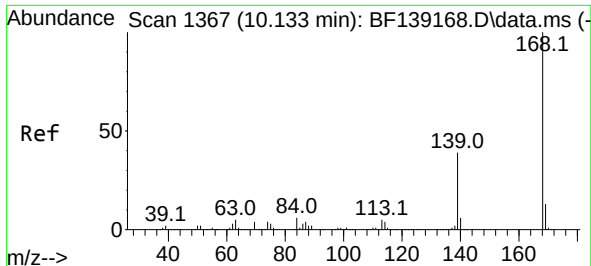
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#54  
2,4-Dinitrophenol  
Concen: 88.522 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

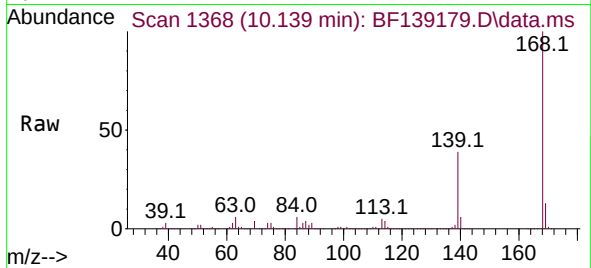
Tgt Ion:184 Resp: 153436  
Ion Ratio Lower Upper  
184 100  
63 82.8 72.1 108.1  
154 73.2 135.3 202.9#





#55  
Dibenzenofuran  
Concen: 42.317 ng  
RT: 10.139 min Scan# 1367  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

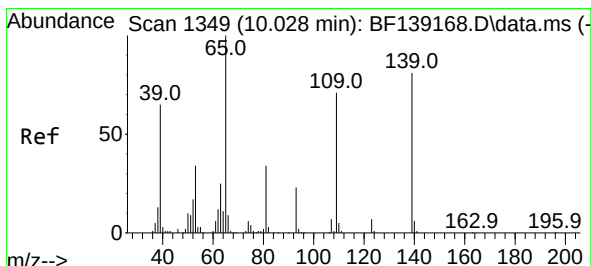
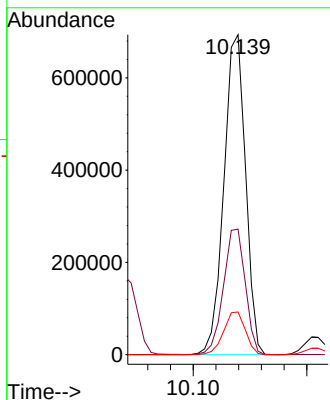
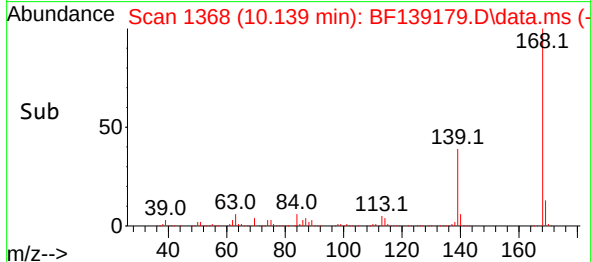
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



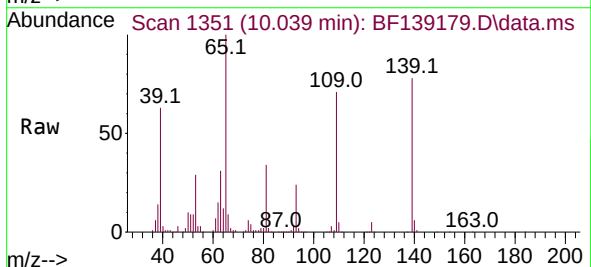
Tgt Ion:168 Resp: 91857  
Ion Ratio Lower Upper  
168 100  
139 39.2 31.5 47.3  
169 13.4 10.7 16.1

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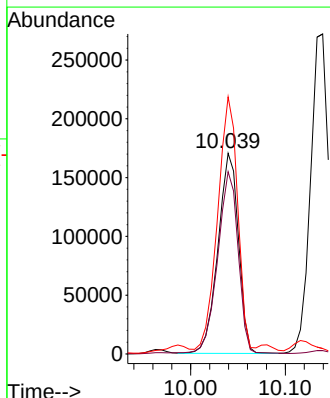
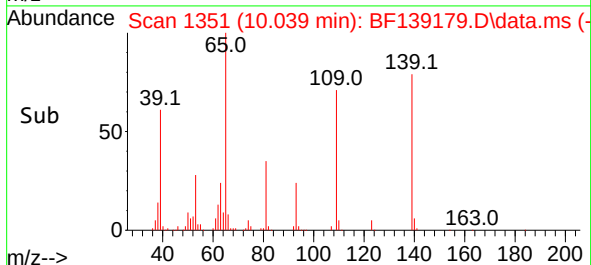
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

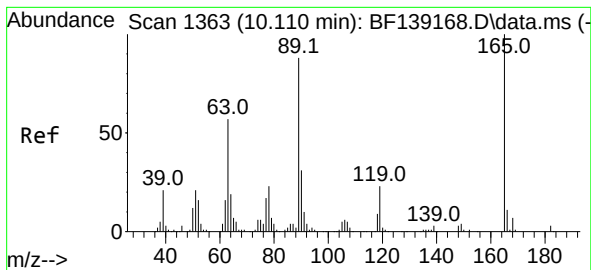


#56  
4-Nitrophenol  
Concen: 86.876 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.011 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:139 Resp: 256425  
Ion Ratio Lower Upper  
139 100  
109 90.8 68.2 108.2  
65 128.2 104.7 144.7





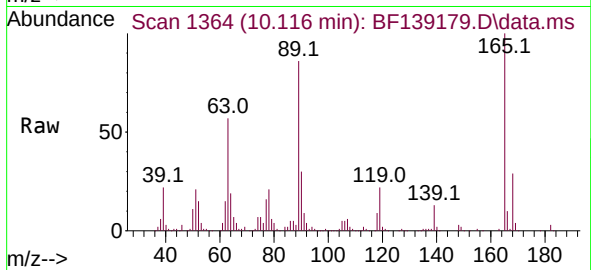
#57  
2,4-Dinitrotoluene  
Concen: 49.727 ng  
RT: 10.116 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

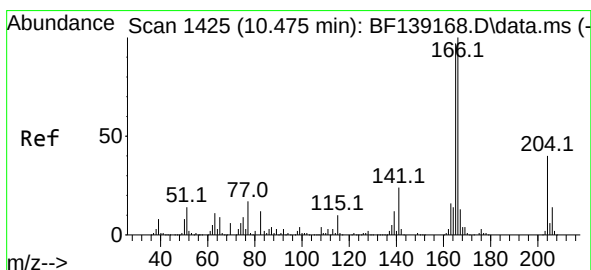
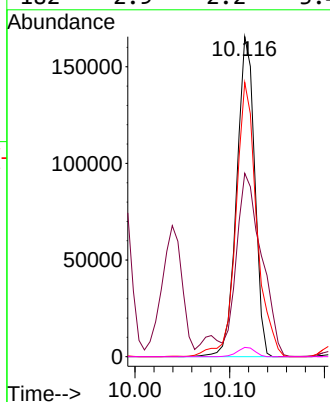
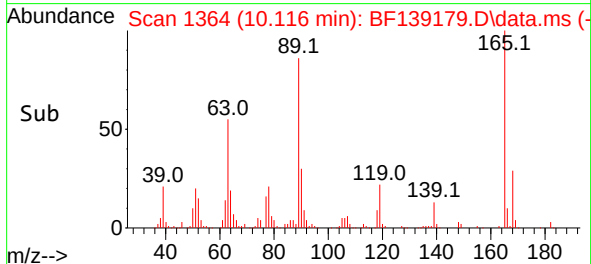


Tgt Ion:165 Resp: 21804  
Ion Ratio Lower Upper  
165 100  
63 57.3 46.2 69.2  
89 85.7 70.2 105.4  
182 2.9 2.2 3.4

Manual Integrations

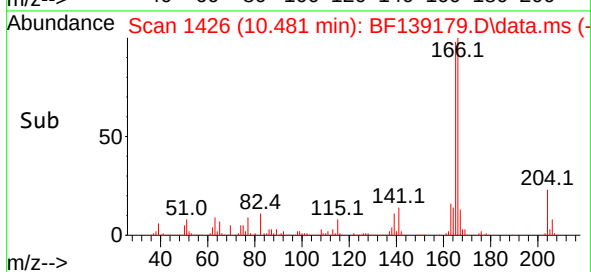
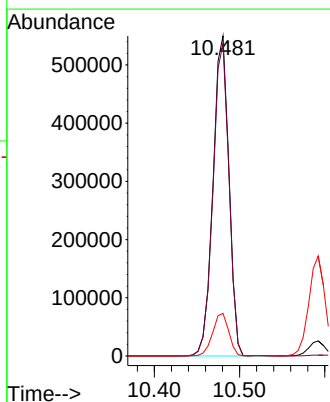
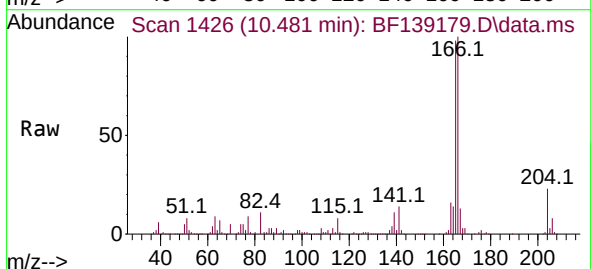
APPROVED

Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

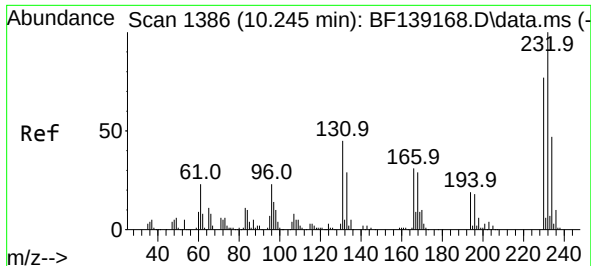


#58  
Fluorene  
Concen: 41.859 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:166 Resp: 716857  
Ion Ratio Lower Upper  
166 100  
165 97.6 77.8 116.8  
167 13.3 10.8 16.2

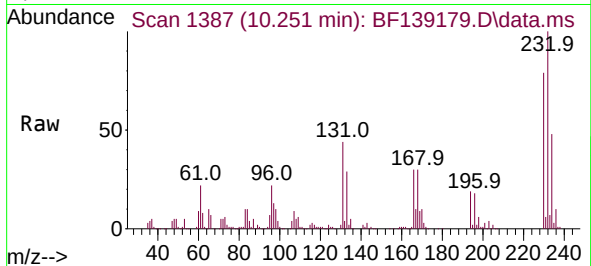






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.394 ng  
RT: 10.251 min Scan# 1387  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

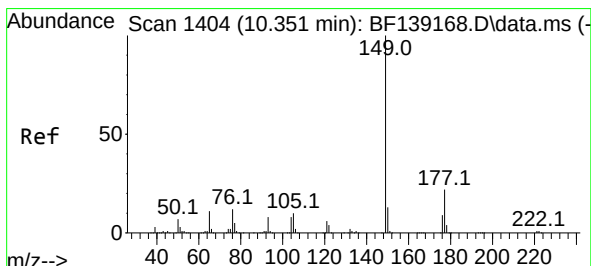
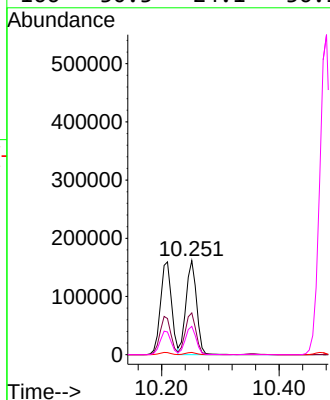
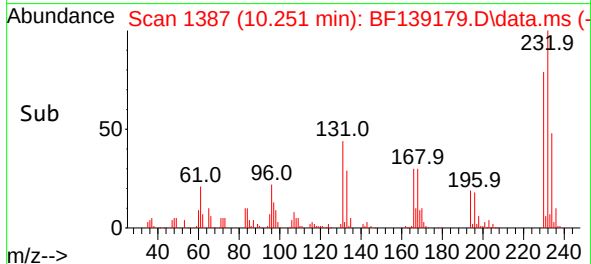
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion:232 Resp: 20313  
Ion Ratio Lower Upper  
232 100  
131 44.9 34.9 52.3  
130 2.3 1.9 2.9  
166 30.3 24.1 36.1

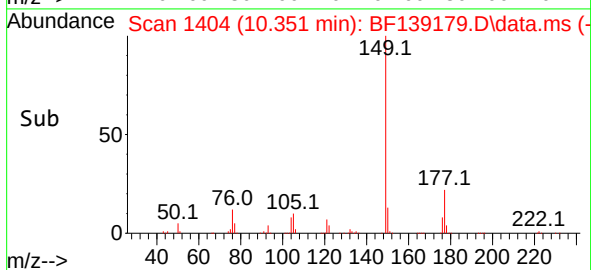
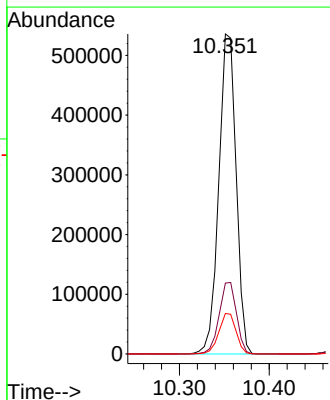
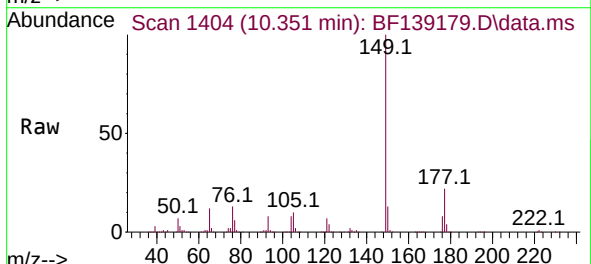
Manual Integrations  
APPROVED

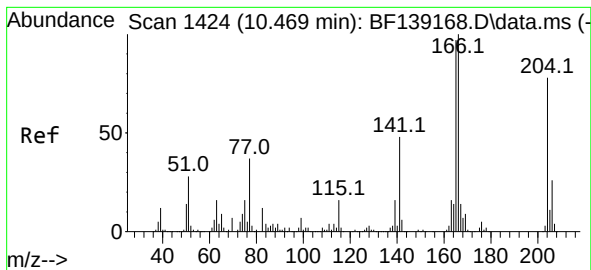
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#60  
Diethylphthalate  
Concen: 47.488 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

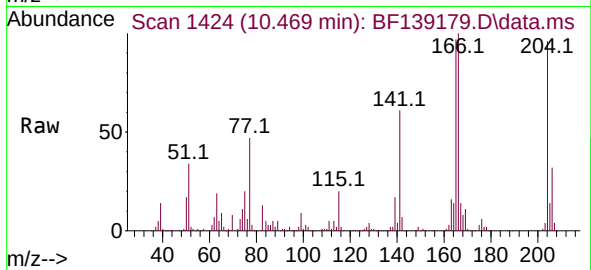
Tgt Ion:149 Resp: 718814  
Ion Ratio Lower Upper  
149 100  
177 22.2 18.0 27.0  
150 12.7 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 41.698 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

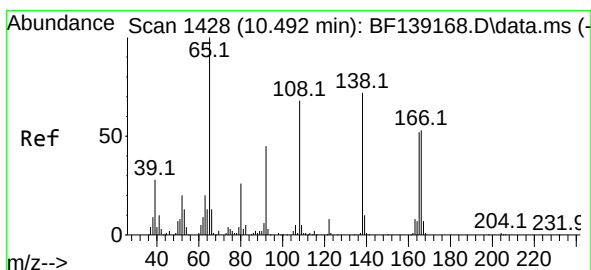
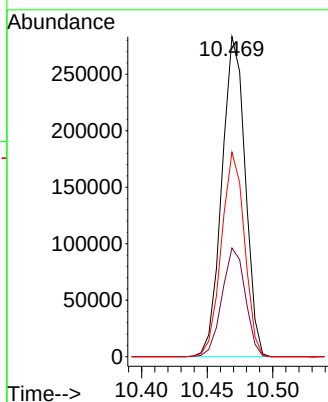
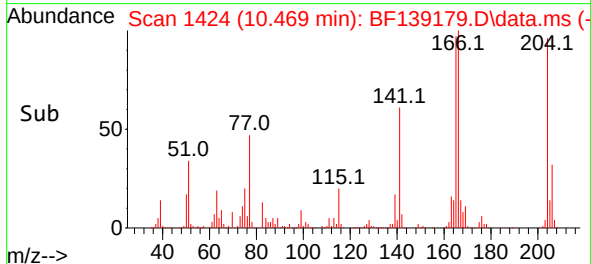
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



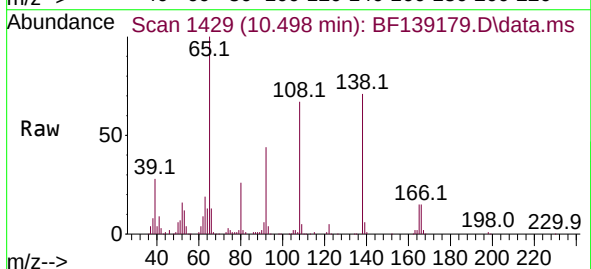
Tgt Ion:204 Resp: 35044  
Ion Ratio Lower Upper  
204 100  
206 34.0 27.0 40.4  
141 63.9 49.6 74.4

Manual Integrations  
APPROVED

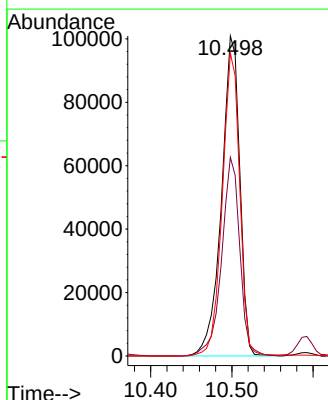
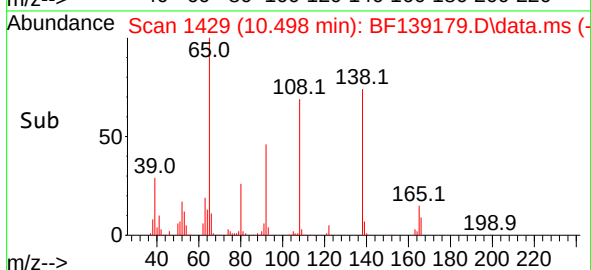
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

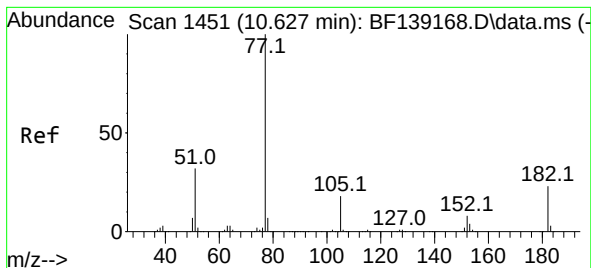


#62  
4-Nitroaniline  
Concen: 44.814 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:138 Resp: 158048  
Ion Ratio Lower Upper  
138 100  
92 62.1 42.4 82.4  
108 94.6 74.0 114.0





#63  
Azobenzene  
Concen: 43.939 ng  
RT: 10.633 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

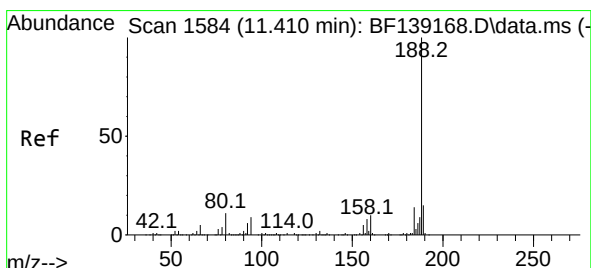
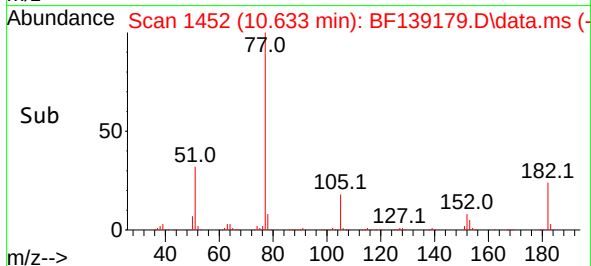
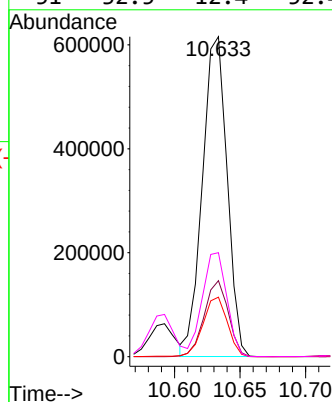
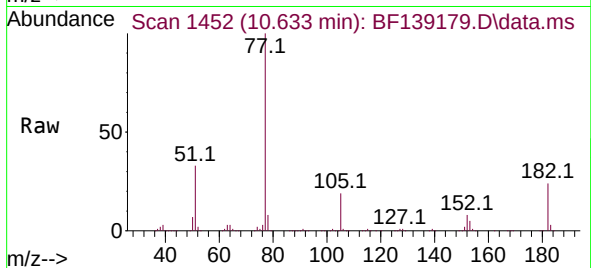
PB162379BS

Tgt Ion: 77 Resp: 80851  
Ion Ratio Lower Upper  
77 100  
182 23.8 2.4 42.4  
105 18.6 0.0 38.2  
51 32.5 12.4 52.4

Manual Integrations

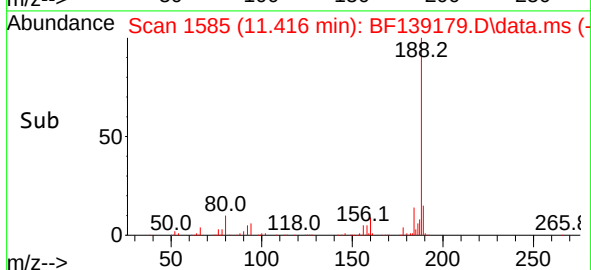
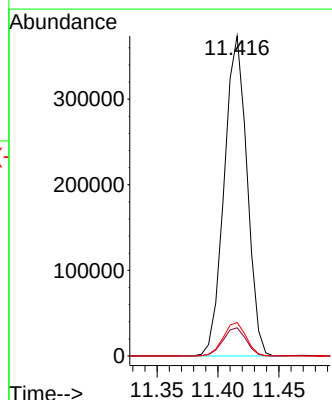
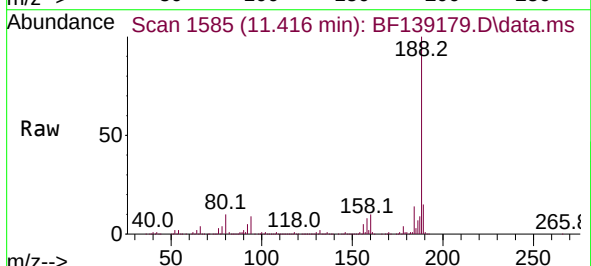
APPROVED

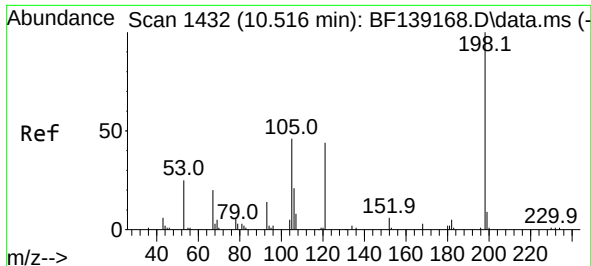
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

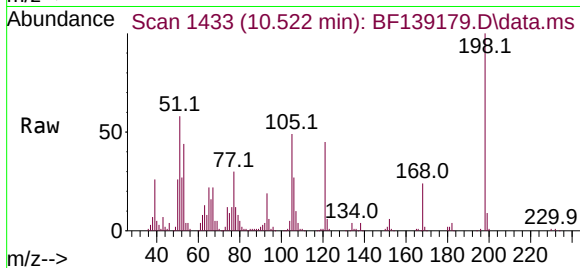
Tgt Ion:188 Resp: 487493  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.4 11.2  
80 10.5 8.9 13.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 54.306 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

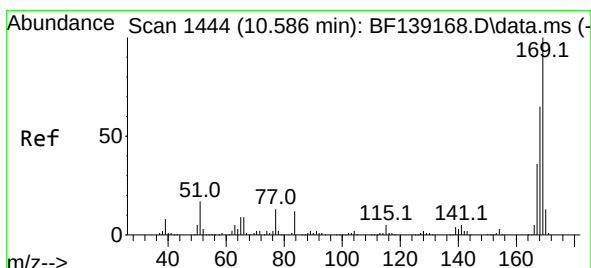
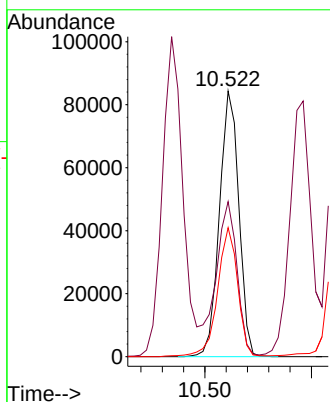
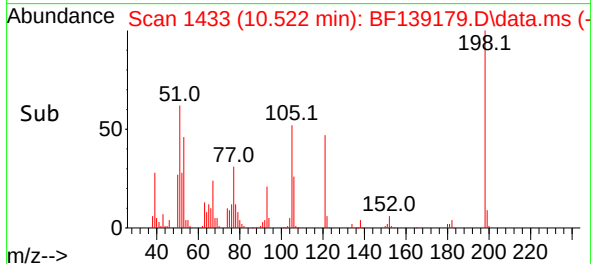
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



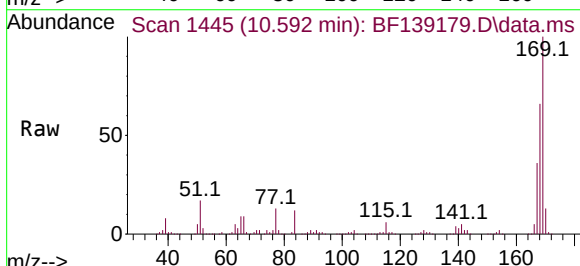
Tgt Ion:198 Resp: 106358  
Ion Ratio Lower Upper  
198 100  
51 58.4 39.2 79.2  
105 48.6 29.3 69.3

Manual Integrations  
APPROVED

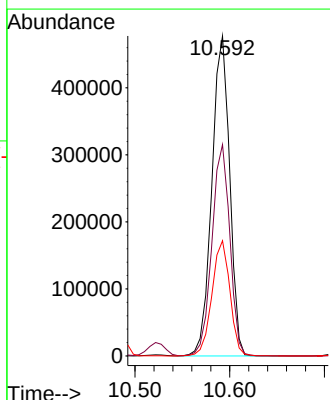
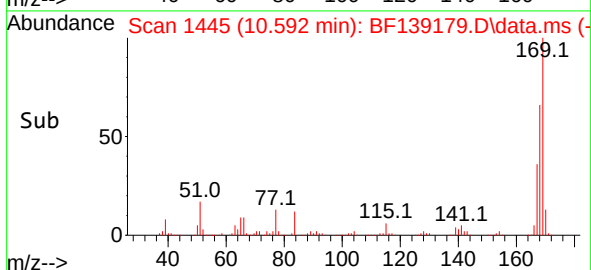
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

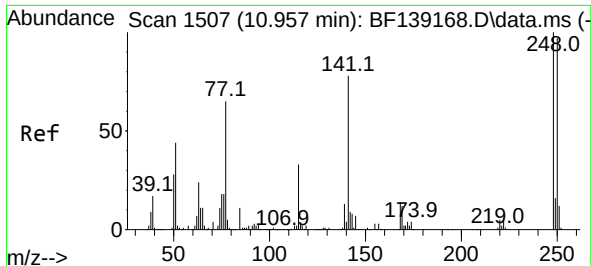


#66  
n-Nitrosodiphenylamine  
Concen: 43.050 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



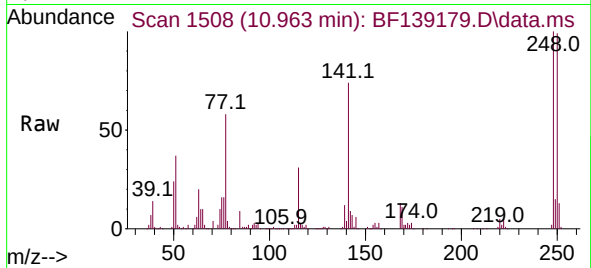
Tgt Ion:169 Resp: 621541  
Ion Ratio Lower Upper  
169 100  
168 66.0 52.3 78.5  
167 36.0 29.0 43.4





#67  
4-Bromophenyl-phenylether  
Concen: 42.040 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

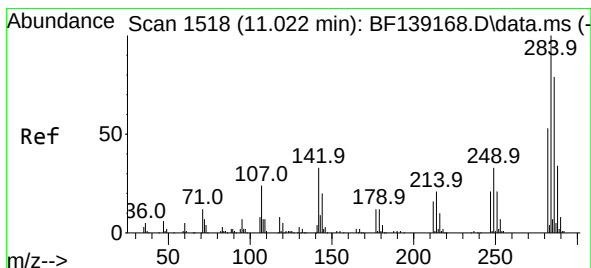
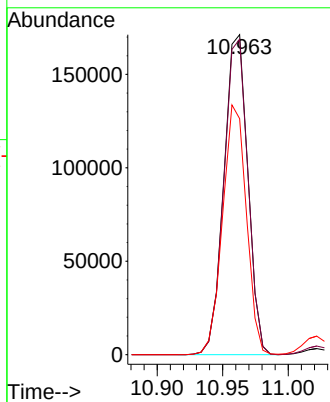
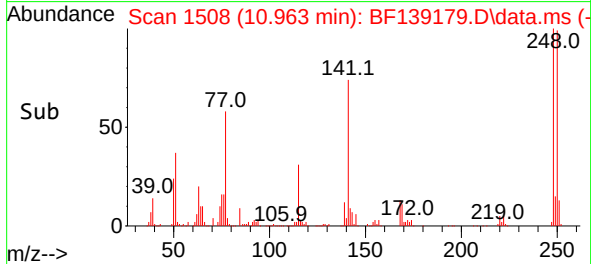
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion:248 Resp: 21775  
Ion Ratio Lower Upper  
248 100  
250 98.6 78.0 117.0  
141 73.8 62.6 94.0

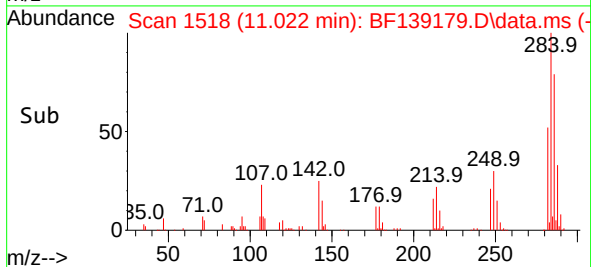
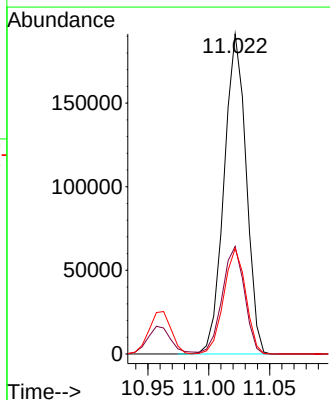
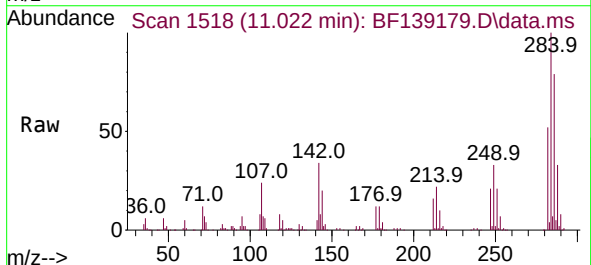
Manual Integrations  
APPROVED

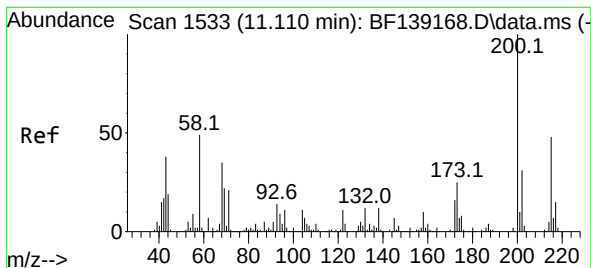
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#68  
Hexachlorobenzene  
Concen: 43.074 ng  
RT: 11.022 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:284 Resp: 241454  
Ion Ratio Lower Upper  
284 100  
142 33.6 26.6 40.0  
249 32.9 26.5 39.7





#69

Atrazine

Concen: 50.836 ng

RT: 11.116 min Scan# 1533

Delta R.T. 0.006 min

Lab File: BF139179.D

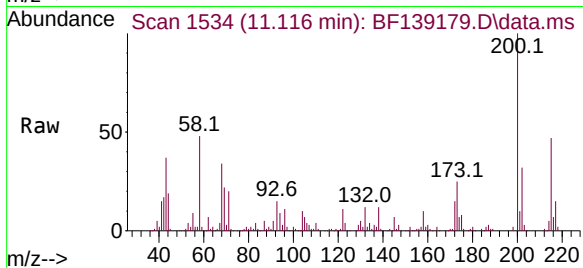
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



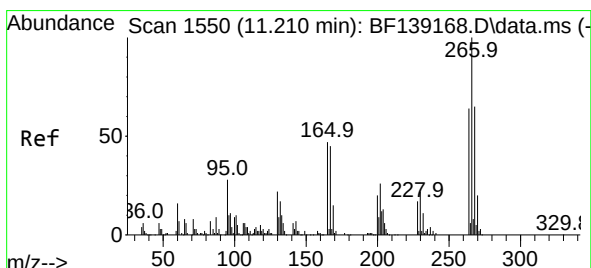
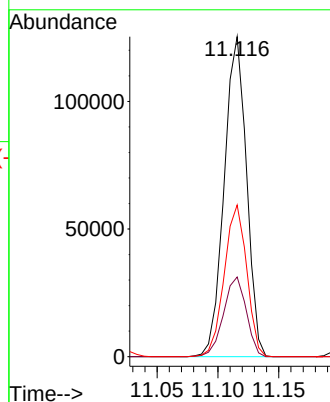
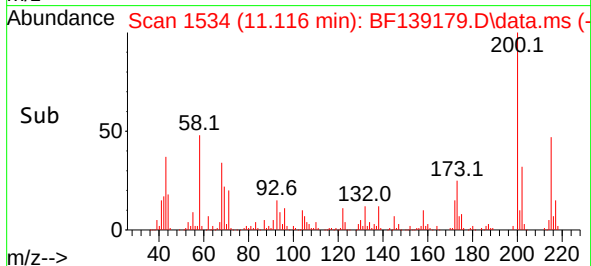
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 16008 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 24.9  | 4.7   | 44.7  |
| 215       | 47.4  | 28.2  | 68.2  |

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#70

Pentachlorophenol

Concen: 89.495 ng

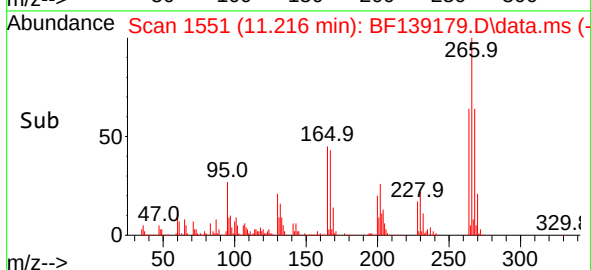
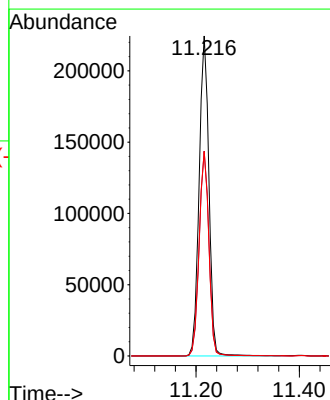
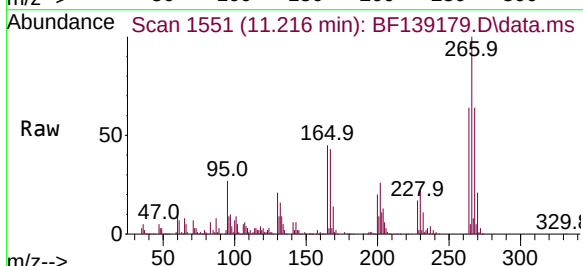
RT: 11.216 min Scan# 1551

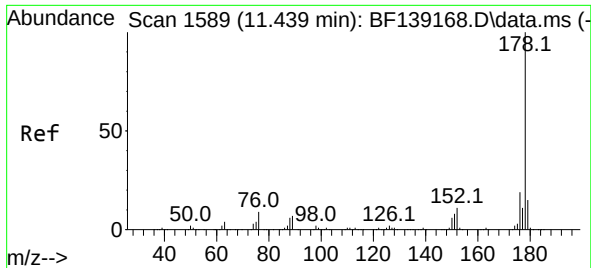
Delta R.T. 0.006 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 294536 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 64.1  | 51.8  | 77.8   |
| 264       | 63.9  | 51.0  | 76.6   |





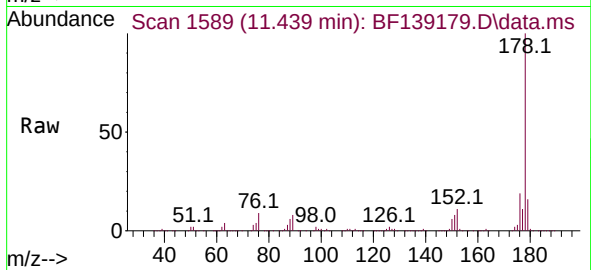
#71  
Phenanthrene  
Concen: 43.616 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



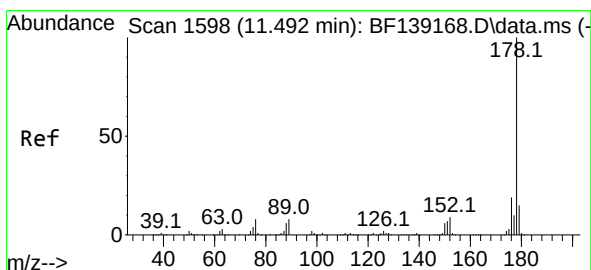
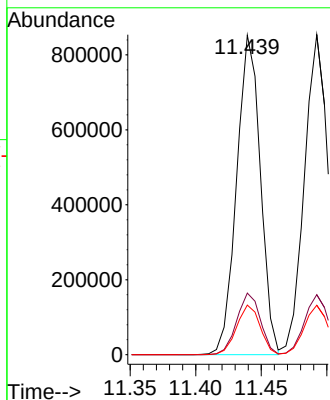
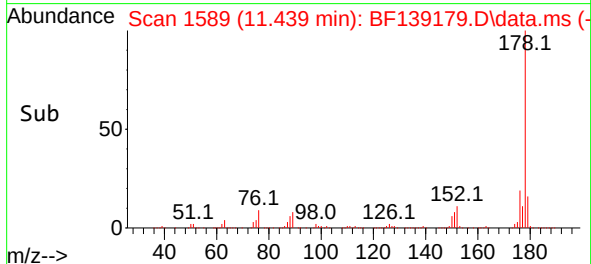
Tgt Ion:178 Resp: 1074473  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.5 12.2 18.4

Manual Integrations

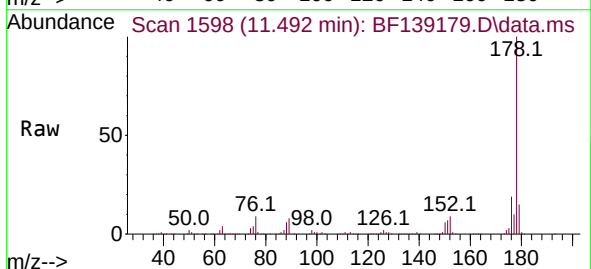
APPROVED

Reviewed By :Yogesh Patel 08/28/2024

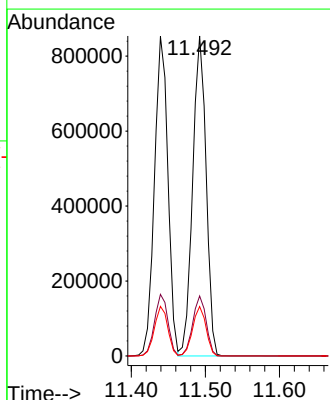
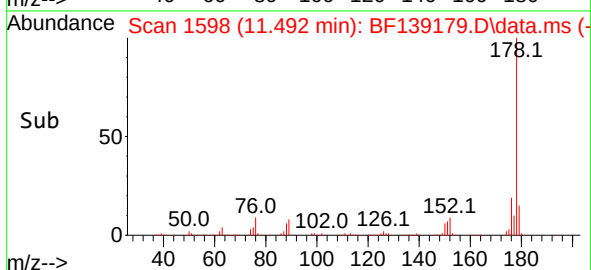
Supervised By :mohammad ahmed 08/28/2024

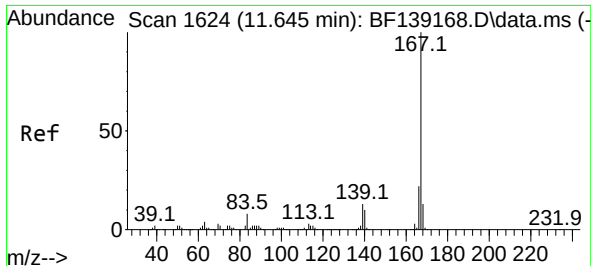


#72  
Anthracene  
Concen: 44.757 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



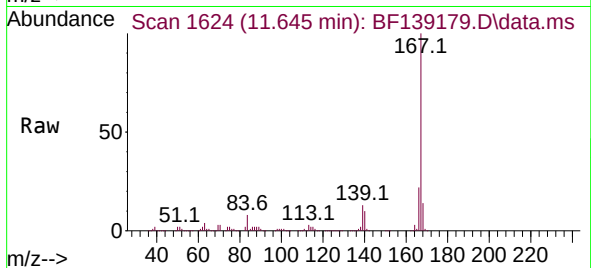
Tgt Ion:178 Resp: 1074783  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.4  
179 15.4 12.3 18.5





#73  
 Carbazole  
 Concen: 43.965 ng  
 RT: 11.645 min Scan# 1624  
 Delta R.T. 0.000 min  
 Lab File: BF139179.D  
 Acq: 27 Aug 2024 11:02

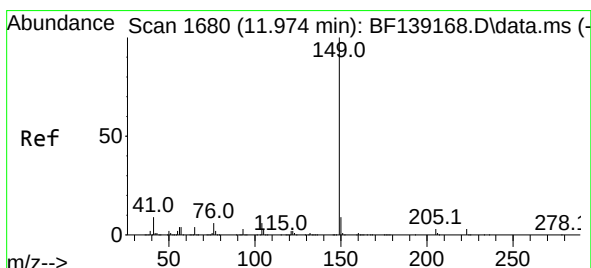
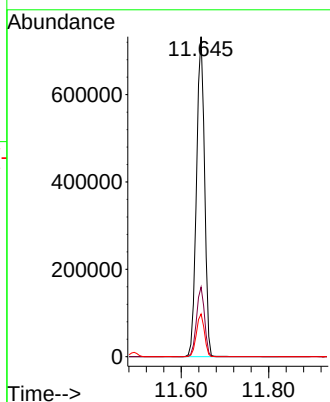
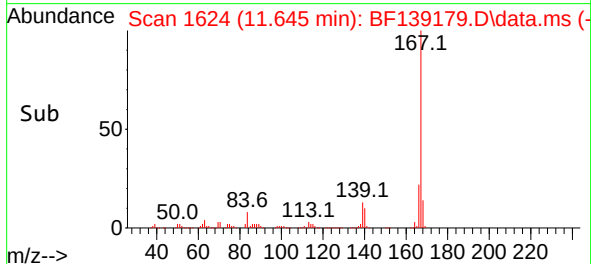
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162379BS



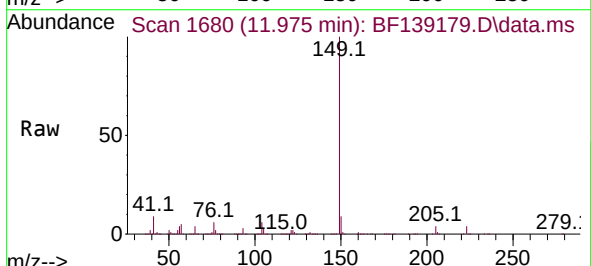
Tgt Ion:167 Resp: 944430  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.3 25.9  
 139 13.3 10.3 15.5

Manual Integrations  
 APPROVED

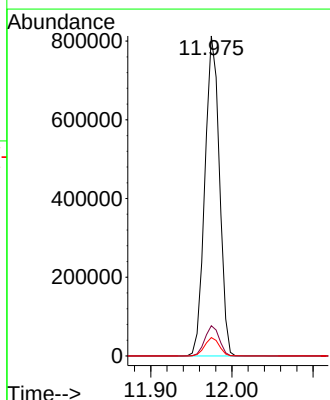
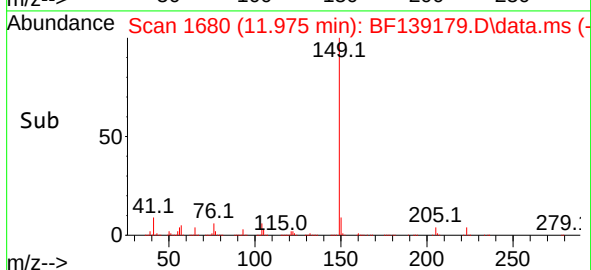
Reviewed By :Yogesh Patel 08/28/2024  
 Supervised By :mohammad ahmed 08/28/2024



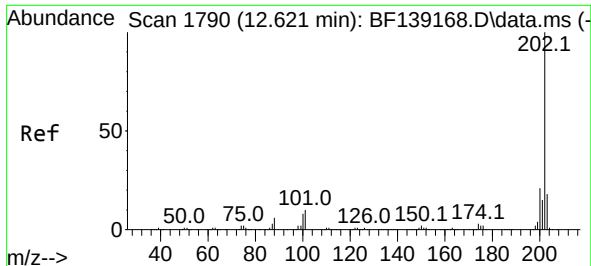
#74  
 Di-n-butylphthalate  
 Concen: 54.138 ng  
 RT: 11.975 min Scan# 1680  
 Delta R.T. 0.000 min  
 Lab File: BF139179.D  
 Acq: 27 Aug 2024 11:02



Tgt Ion:149 Resp: 1007953  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.3 10.9  
 104 5.7 4.4 6.6

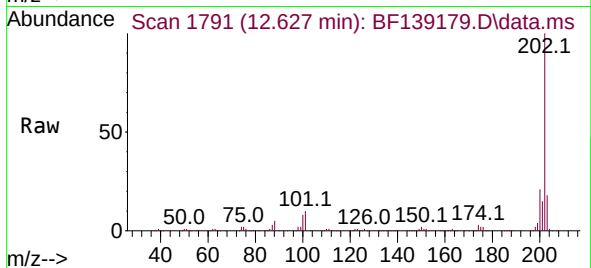






#75  
Fluoranthene  
Concen: 43.831 ng  
RT: 12.627 min Scan# 1790  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

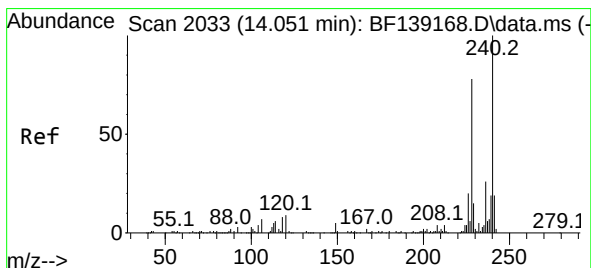
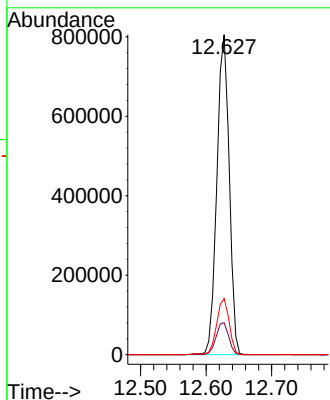
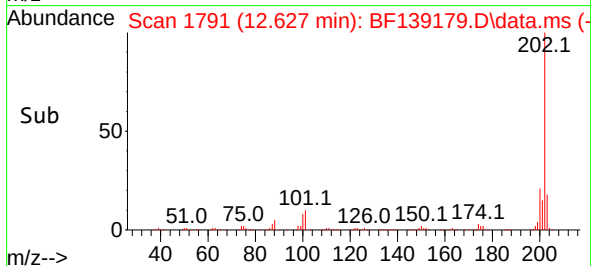
Instrument :  
BNA\_F  
ClientSampleId :  
PB162379BS



Tgt Ion:202 Resp: 104785  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 30.1  
203 17.6 0.0 37.6

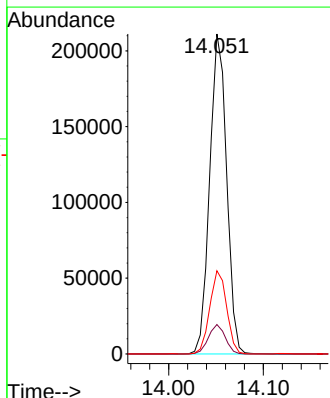
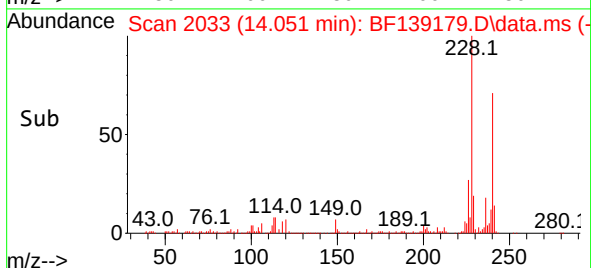
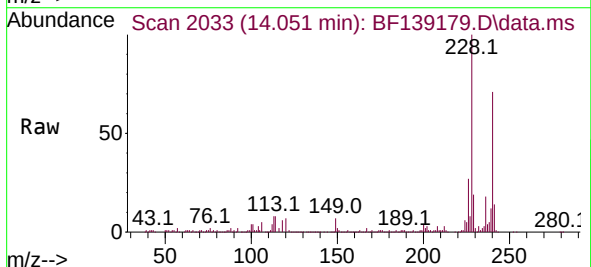
Manual Integrations  
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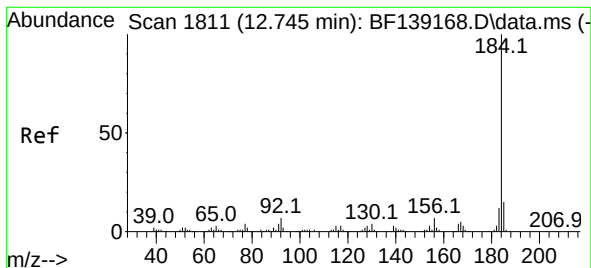
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Tgt Ion:240 Resp: 261728  
Ion Ratio Lower Upper  
240 100  
120 9.2 6.9 10.3  
236 26.0 20.9 31.3





#77

Benzidine

Concen: 6.743 ng

RT: 12.745 min Scan# 1811

Delta R.T. 0.000 min

Lab File: BF139179.D

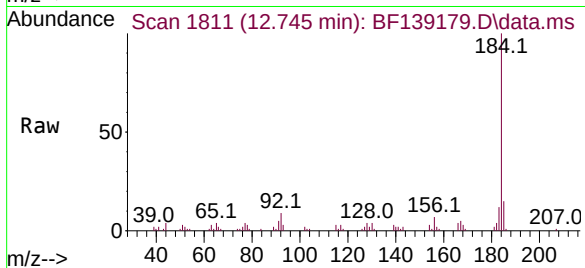
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



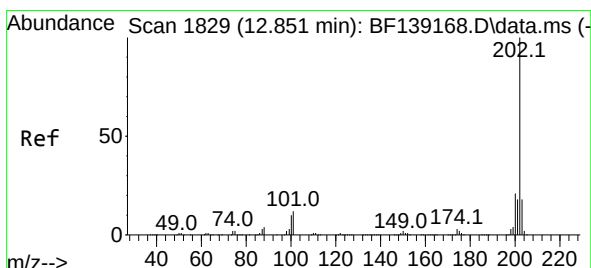
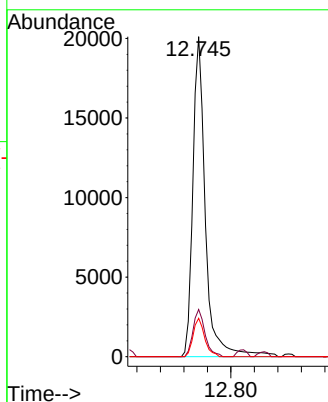
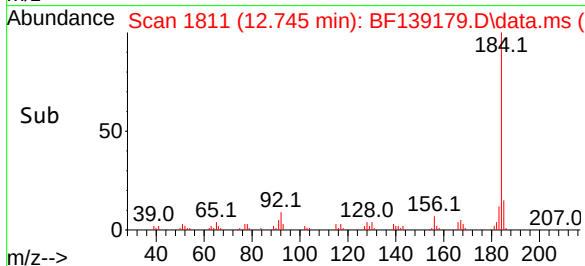
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 184   | Resp: | 2978 |
| Ion Ratio | Lower | Upper |      |
| 184       | 100   |       |      |
| 185       | 14.8  | 12.1  | 18.1 |
| 183       | 12.0  | 9.4   | 14.0 |

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#78

Pyrene

Concen: 42.708 ng

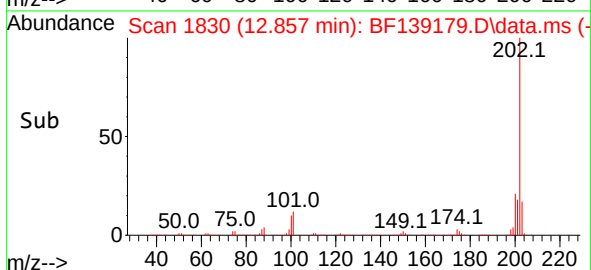
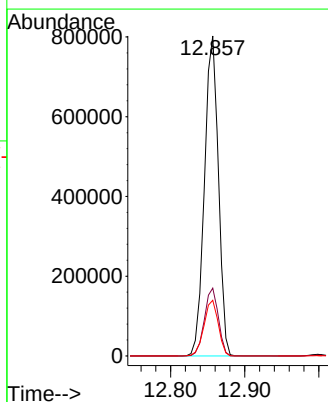
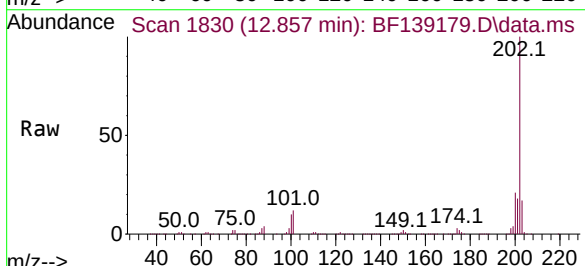
RT: 12.857 min Scan# 1830

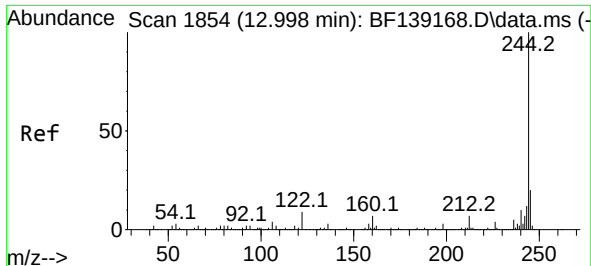
Delta R.T. 0.006 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

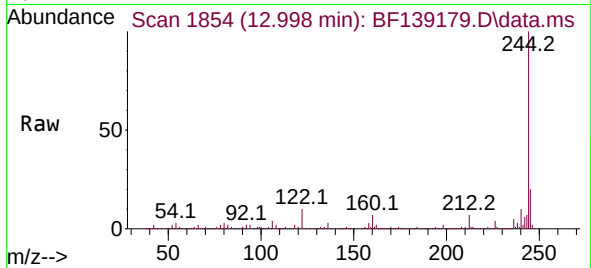
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1049963 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.2  | 16.7  | 25.1    |
| 203       | 17.4  | 14.1  | 21.1    |





#79  
 Terphenyl-d14  
 Concen: 86.796 ng  
 RT: 12.998 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF139179.D  
 Acq: 27 Aug 2024 11:02

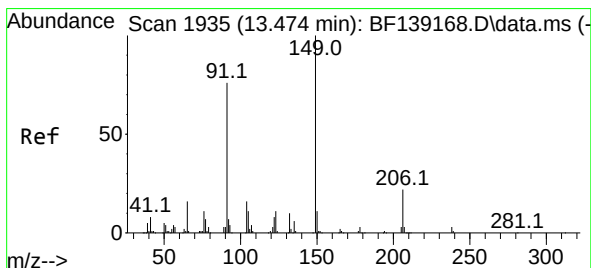
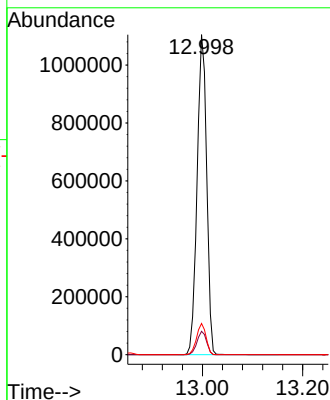
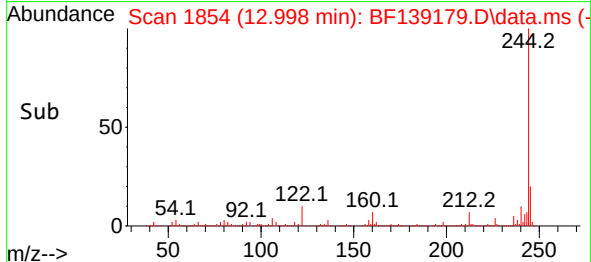
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162379BS



Tgt Ion:244 Resp: 145591  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.6  
 122 9.7 7.6 11.4

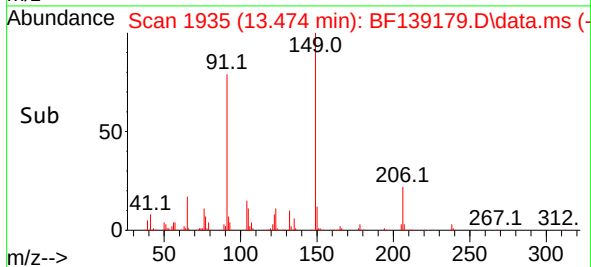
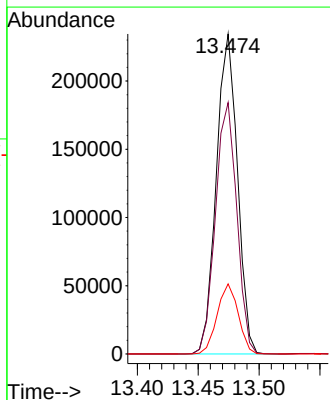
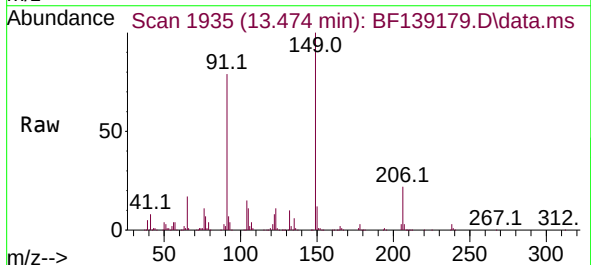
Manual Integrations  
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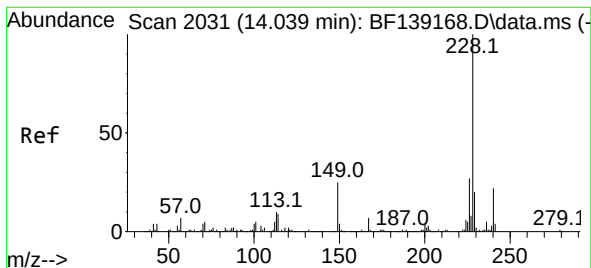
Reviewed By :Yogesh Patel 08/28/2024  
 Supervised By :mohammad ahmed 08/28/2024



#80  
 Butylbenzylphthalate  
 Concen: 55.342 ng  
 RT: 13.474 min Scan# 1935  
 Delta R.T. 0.000 min  
 Lab File: BF139179.D  
 Acq: 27 Aug 2024 11:02

Tgt Ion:149 Resp: 283336  
 Ion Ratio Lower Upper  
 149 100  
 91 78.6 60.9 91.3  
 206 21.9 17.7 26.5





#81

Benzo(a)anthracene

Concen: 46.328 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139179.D

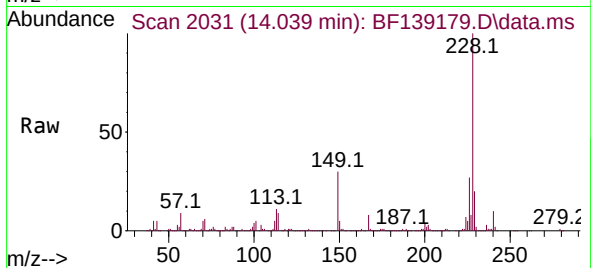
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



Tgt Ion:228 Resp: 80340

Ion Ratio Lower Upper

228 100

226 27.1 21.4 32.2

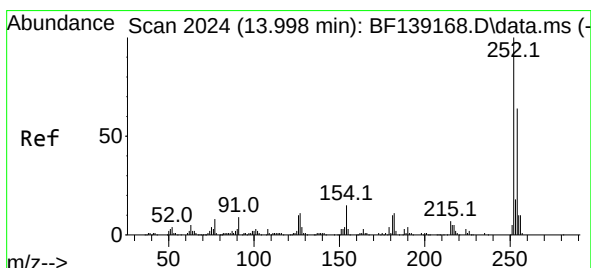
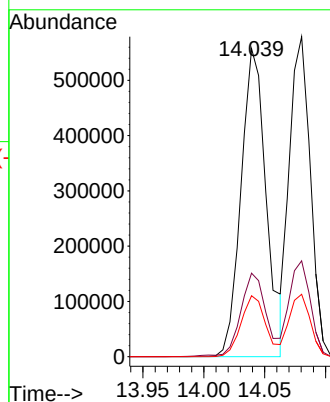
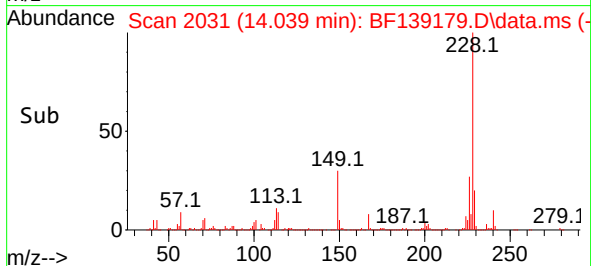
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.491 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

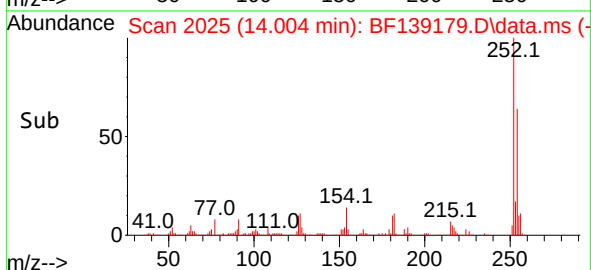
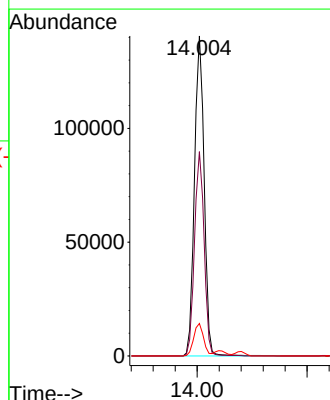
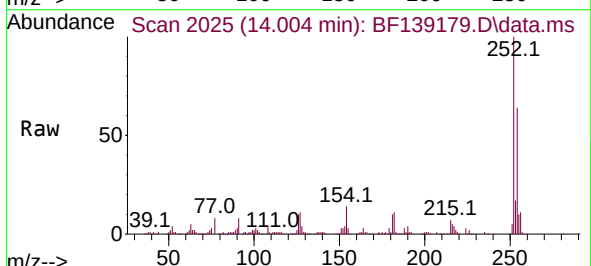
Tgt Ion:252 Resp: 171562

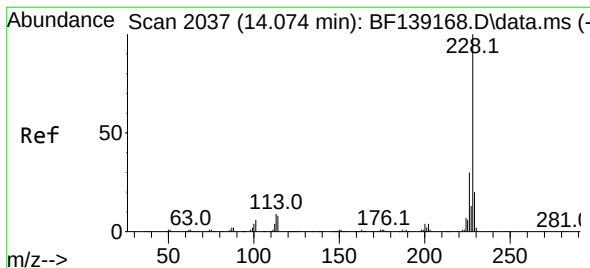
Ion Ratio Lower Upper

252 100

254 63.9 51.4 77.0

126 10.2 8.2 12.2





#83

Chrysene

Concen: 44.256 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.006 min

Lab File: BF139179.D

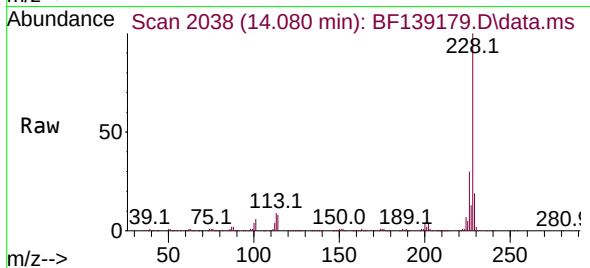
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



Tgt Ion:228 Resp: 692310

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.6

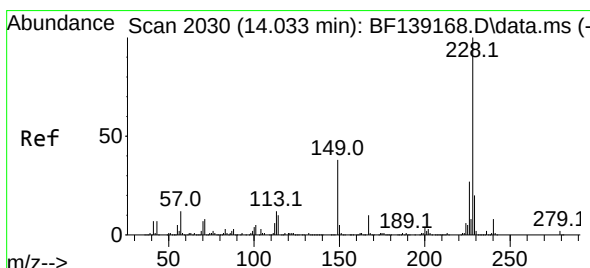
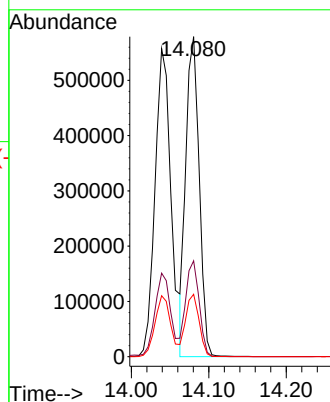
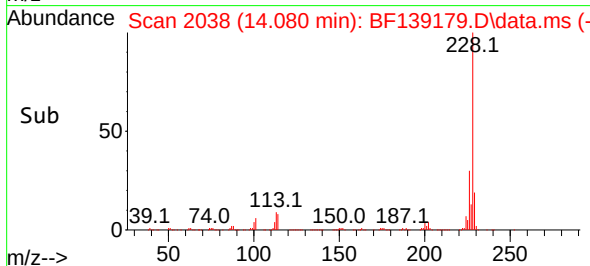
229 19.5 15.8 23.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.276 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

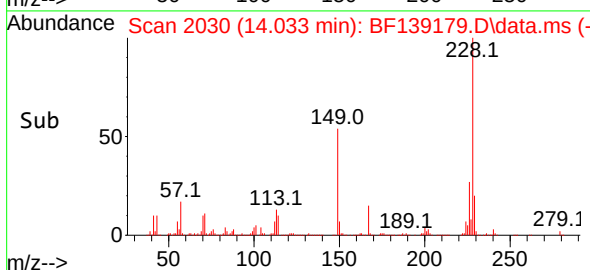
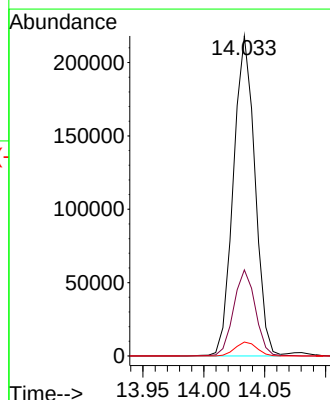
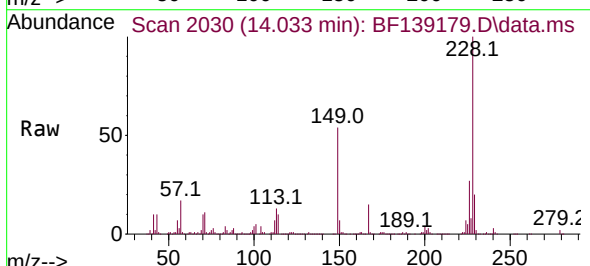
Tgt Ion:149 Resp: 268144

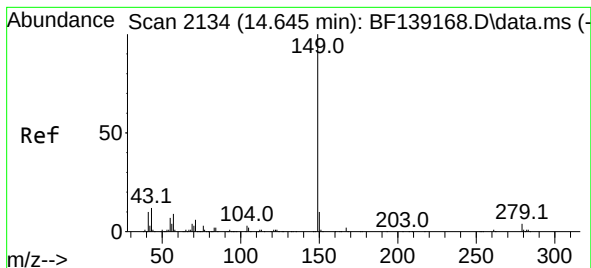
Ion Ratio Lower Upper

149 100

167 26.9 21.3 31.9

279 4.3 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 42.249 ng

RT: 14.651 min Scan# 2135

Delta R.T. 0.006 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

Tgt Ion:149 Resp: 47435

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

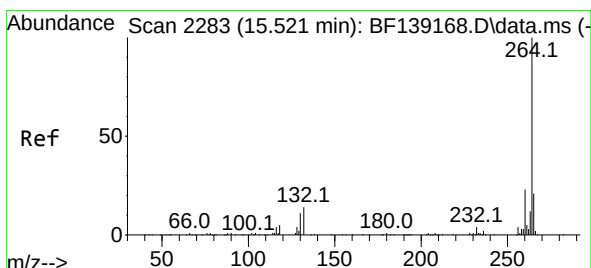
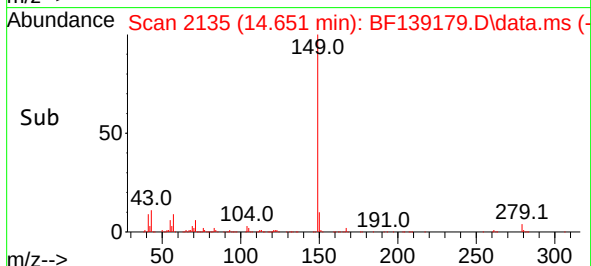
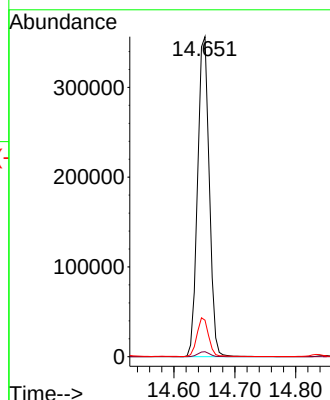
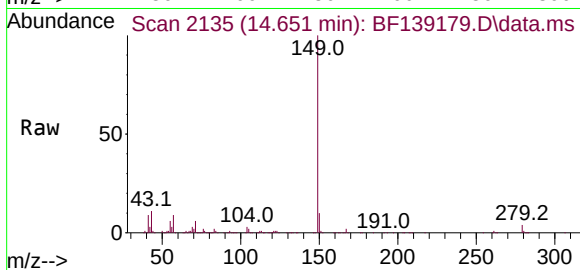
43 12.0 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

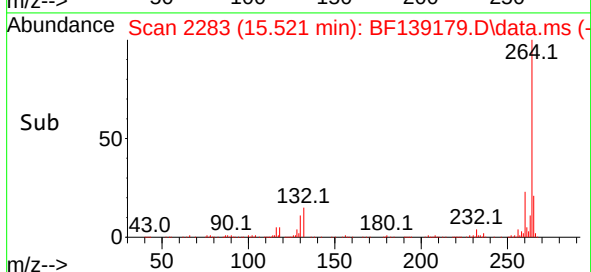
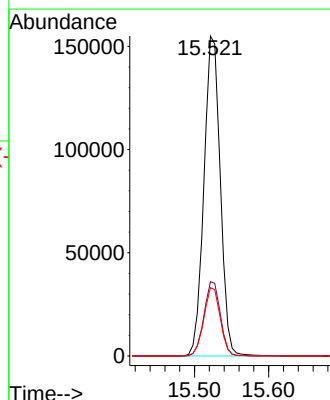
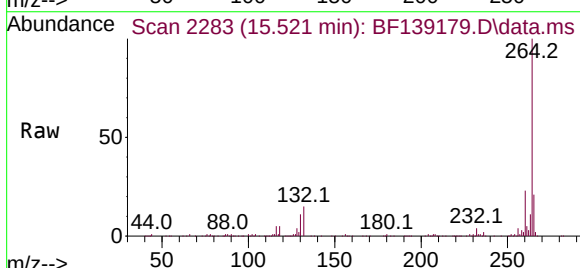
Tgt Ion:264 Resp: 237760

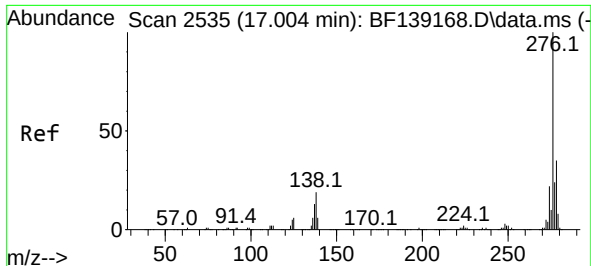
Ion Ratio Lower Upper

264 100

260 23.2 18.3 27.5

265 21.4 17.0 25.6





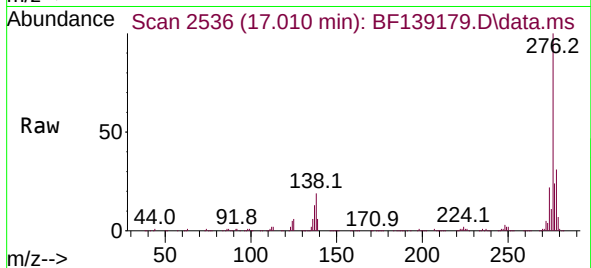
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 47.474 ng  
RT: 17.010 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

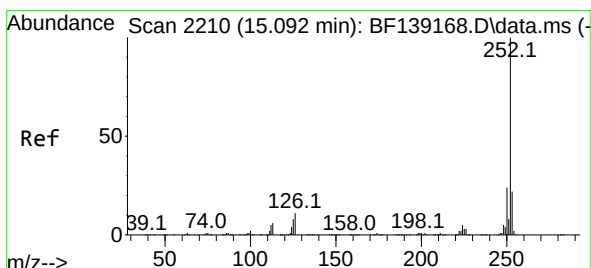
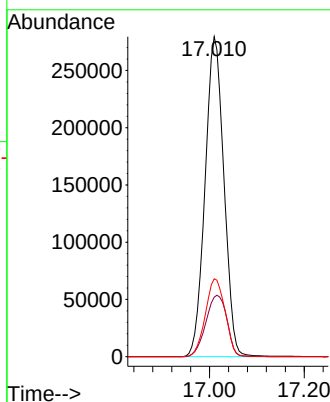
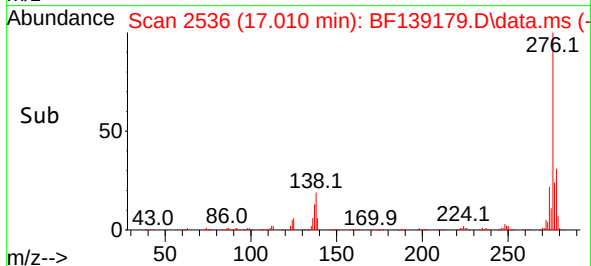


Tgt Ion:276 Resp: 771788  
Ion Ratio Lower Upper  
276 100  
138 21.4 17.4 26.2  
277 25.5 20.3 30.5

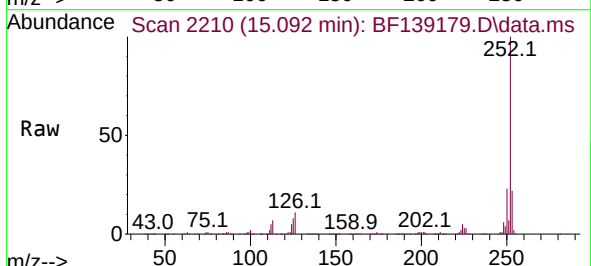
Manual Integrations

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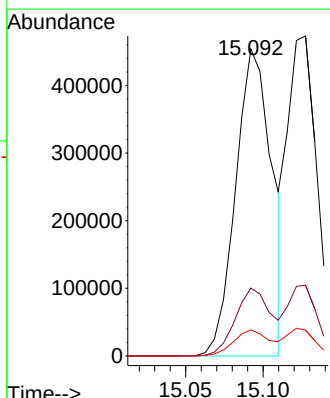
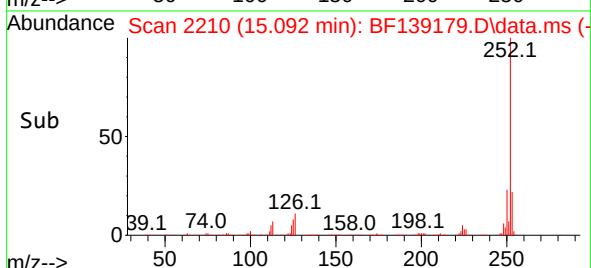
Reviewed By :Yogesh Patel 08/28/2024  
Supervised By :mohammad ahmed 08/28/2024

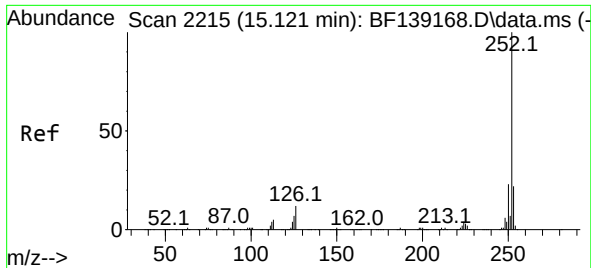


#88  
Benzo(b)fluoranthene  
Concen: 52.825 ng  
RT: 15.092 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:252 Resp: 734711  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.0 27.0  
125 8.5 6.7 10.1





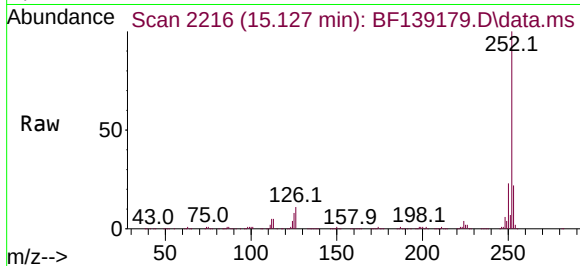
#89  
Benzo(k)fluoranthene  
Concen: 49.791 ng  
RT: 15.127 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS



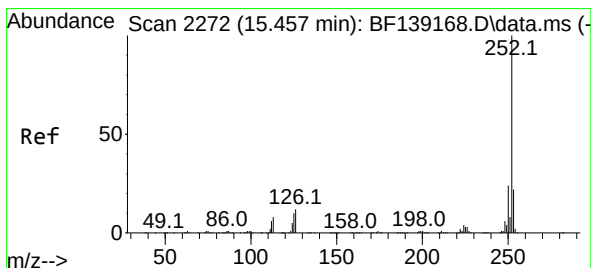
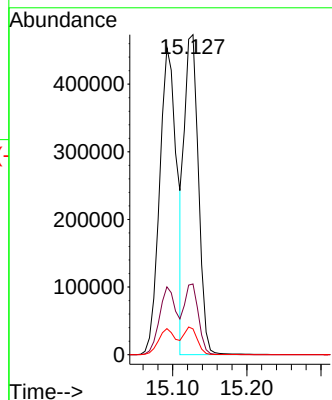
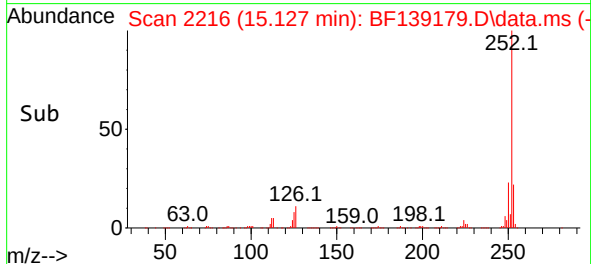
Tgt Ion:252 Resp: 626089  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.8 26.6  
125 8.0 6.5 9.7

Manual Integrations

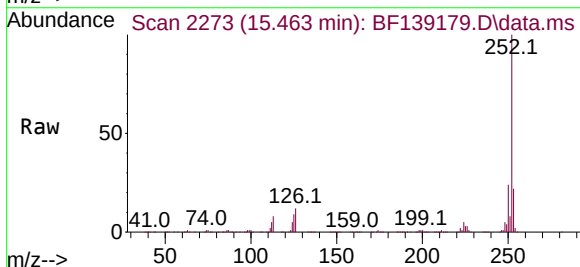
APPROVED

Reviewed By :Yogesh Patel 08/28/2024

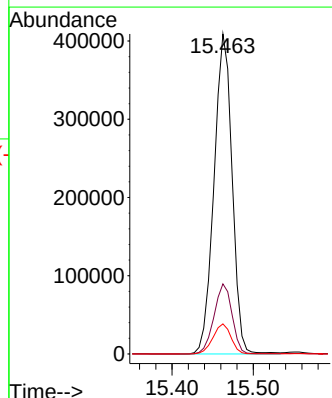
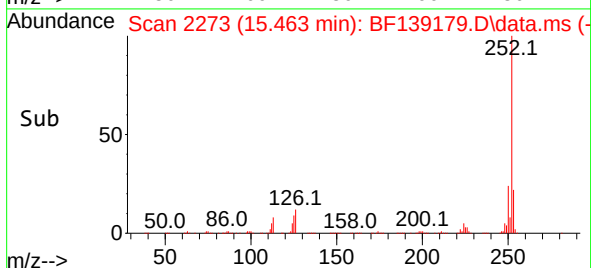
Supervised By :mohammad ahmed 08/28/2024



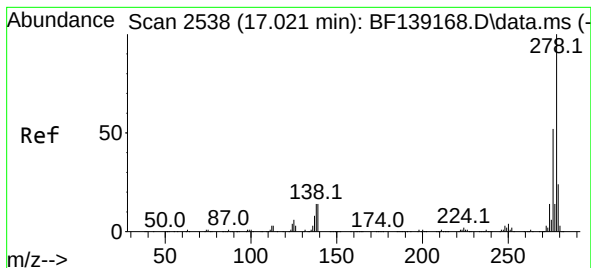
#90  
Benzo(a)pyrene  
Concen: 53.764 ng  
RT: 15.463 min Scan# 2273  
Delta R.T. 0.006 min  
Lab File: BF139179.D  
Acq: 27 Aug 2024 11:02



Tgt Ion:252 Resp: 634709  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.3 25.9  
125 9.4 7.8 11.6







#91

Dibenzo(a,h)anthracene

Concen: 47.330 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Instrument :

BNA\_F

ClientSampleId :

PB162379BS

Tgt Ion:278 Resp: 630664

Ion Ratio Lower Upper

278 100

139 13.1 11.2 16.8

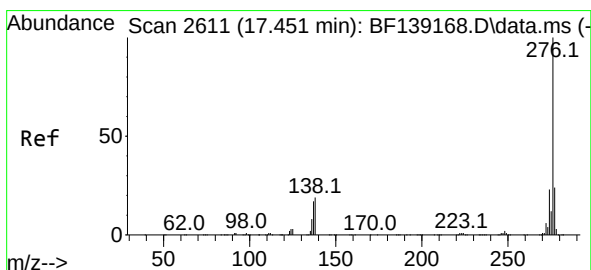
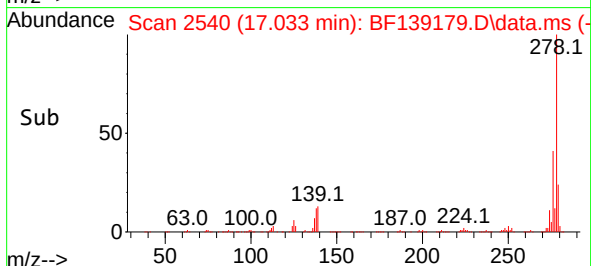
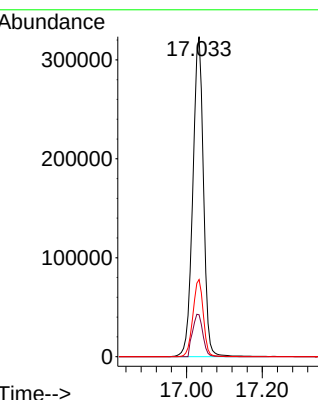
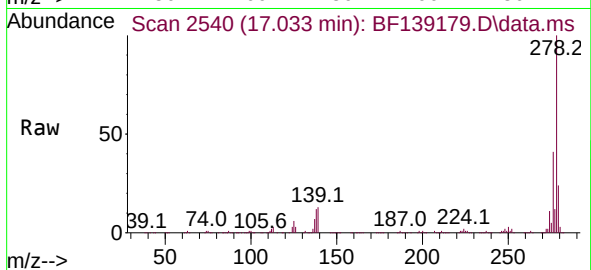
279 24.1 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/28/2024

Supervised By :mohammad ahmed 08/28/2024



#92

Benzo(g,h,i)perylene

Concen: 43.265 ng

RT: 17.462 min Scan# 2613

Delta R.T. 0.012 min

Lab File: BF139179.D

Acq: 27 Aug 2024 11:02

Tgt Ion:276 Resp: 596305

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 17.6 15.0 22.6

