

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020525\  
 Data File : BF141439.D  
 Acq On : 05 Feb 2025 11:47  
 Operator : RC/JU  
 Sample : PB166294BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 12:09:44 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012925.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Jan 29 17:41:25 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |                                             |
|-------------------------------|--------|------|----------|---------|-------|----------|---------------------------------------------|
| Internal Standards            |        |      |          |         |       |          | 02/06/2025<br>Supervised By :mohammad ahmed |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 72987    | 20.000  | ng    | -0.01    |                                             |
| 21) Naphthalene-d8            | 8.075  | 136  | 285622   | 20.000  | ng    | #-0.01   |                                             |
| 39) Acenaphthene-d10          | 9.827  | 164  | 157073   | 20.000  | ng    | -0.01    |                                             |
| 64) Phenanthrene-d10          | 11.316 | 188  | 268815   | 20.000  | ng    | -0.01    |                                             |
| 76) Chrysene-d12              | 13.963 | 240  | 187164   | 20.000  | ng    | -0.01    |                                             |
| 86) Perylene-d12              | 15.427 | 264  | 163935   | 20.000  | ng    | -0.01    | 02/06/2025                                  |
| System Monitoring Compounds   |        |      |          |         |       |          |                                             |
| 5) 2-Fluorophenol             | 5.416  | 112  | 630538   | 132.627 | ng    | 0.00     |                                             |
| 7) Phenol-d6                  | 6.434  | 99   | 771514   | 127.565 | ng    | 0.00     |                                             |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 515185   | 95.086  | ng    | -0.01    |                                             |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 222970   | 154.841 | ng    | -0.01    |                                             |
| 45) 2-Fluorobiphenyl          | 9.151  | 172  | 954571   | 93.540  | ng    | -0.01    |                                             |
| 79) Terphenyl-d14             | 12.904 | 244  | 1162048  | 95.750  | ng    | -0.01    |                                             |
| Target Compounds              |        |      |          |         |       | Qvalue   |                                             |
| 2) 1,4-Dioxane                | 2.551  | 88   | 75727    | 36.218  | ng    | 95       |                                             |
| 3) Pyridine                   | 3.281  | 79   | 189020   | 37.521  | ng    | 95       |                                             |
| 4) n-Nitrosodimethylamine     | 3.228  | 42   | 144996   | 50.383  | ng    | 83       |                                             |
| 6) Aniline                    | 6.451  | 93   | 193758   | 37.847  | ng    | # 5      |                                             |
| 8) 2-Chlorophenol             | 6.581  | 128  | 240737   | 47.243  | ng    | 96       |                                             |
| 9) Benzaldehyde               | 6.339  | 77   | 21533    | 6.147   | ng    | 97       |                                             |
| 10) Phenol                    | 6.445  | 94   | 287555   | 44.852  | ng    | # 68     |                                             |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 216614   | 44.066  | ng    | 99       |                                             |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 251649   | 44.789  | ng    | 98       |                                             |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 262713   | 46.544  | ng    | 100      |                                             |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 245753   | 46.497  | ng    | 99       |                                             |
| 15) Benzyl Alcohol            | 6.934  | 79   | 214068   | 51.793  | ng    | 98       |                                             |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 367278   | 42.966  | ng    | 59       |                                             |
| 17) 2-Methylphenol            | 7.051  | 107  | 185339   | 44.752  | ng    | # 92     |                                             |
| 18) Hexachloroethane          | 7.304  | 117  | 99805    | 47.931  | ng    | 97       |                                             |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 168244   | 46.816  | ng    | 100      |                                             |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 239419   | 47.083  | ng    | 93       |                                             |
| 22) Acetophenone              | 7.198  | 105  | 333018   | 49.051  | ng    | 99       |                                             |
| 24) Nitrobenzene              | 7.375  | 77   | 257434   | 45.849  | ng    | 99       |                                             |
| 25) Isophorone                | 7.610  | 82   | 442481   | 47.245  | ng    | 99       |                                             |
| 26) 2-Nitrophenol             | 7.692  | 139  | 127059   | 47.983  | ng    | 96       |                                             |
| 27) 2,4-Dimethylphenol        | 7.733  | 122  | 184581m  | 54.764  | ng    |          |                                             |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 262769   | 43.985  | ng    | 99       |                                             |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 197168   | 47.784  | ng    | 99       |                                             |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 213686   | 45.347  | ng    | 99       |                                             |
| 31) Naphthalene               | 8.092  | 128  | 691208   | 45.810  | ng    | 100      |                                             |
| 32) Benzoic acid              | 7.857  | 122  | 138729   | 44.774  | ng    | 95       |                                             |
| 33) 4-Chloroaniline           | 8.145  | 127  | 109963   | 21.491  | ng    | 98       |                                             |
| 34) Hexachlorobutadiene       | 8.210  | 225  | 136347   | 49.340  | ng    | 99       |                                             |
| 35) Caprolactam               | 8.510  | 113  | 62207m   | 46.162  | ng    |          |                                             |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 217975   | 49.249  | ng    | 95       |                                             |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 450445   | 46.970  | ng    | 99       |                                             |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 421785   | 44.773  | ng    | 100      |                                             |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 213361   | 47.747  | ng    | 98       |                                             |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 243063   | 184.182 | ng    | 99       |                                             |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 139484   | 47.690  | ng    | 99       |                                             |

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 BNA\_F  
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 PB166294BS

Quant Time: Feb 05 12:09:44 2025  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 29 17:41:25 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
 Supervised By :mohammad ahmed 02/06/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min)   |
|-------------------------------|--------|------|----------|---------|-------|------------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 148386   | 46.613  | ng    | 98         |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 568607   | 46.418  | ng    | 99         |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 426849   | 44.705  | ng    | 99         |
| 48) 2-Nitroaniline            | 9.375  | 65   | 147311   | 49.051  | ng    | 95         |
| 49) Acenaphthylene            | 9.692  | 152  | 656250   | 49.100  | ng    | 100        |
| 50) Dimethylphthalate         | 9.557  | 163  | 504634   | 47.568  | ng    | 100        |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 110496   | 44.859  | ng    | 94         |
| 52) Acenaphthene              | 9.863  | 154  | 510747m  | 53.490  | ng    | 02/06/2025 |
| 53) 3-Nitroaniline            | 9.786  | 138  | 65366    | 27.076  | ng    | 95         |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 130643   | 114.095 | ng    | 90         |
| 55) Dibenzofuran              | 10.039 | 168  | 602805   | 47.164  | ng    | 97         |
| 56) 4-Nitrophenol             | 9.969  | 139  | 181575   | 102.840 | ng    | 89         |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 157833   | 49.490  | ng    | 91         |
| 58) Fluorene                  | 10.380 | 166  | 482443   | 48.663  | ng    | 98         |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 128565m  | 51.336  | ng    | 02/06/2025 |
| 60) Diethylphthalate          | 10.257 | 149  | 500958   | 48.702  | ng    | 99         |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204  | 233801   | 48.279  | ng    | 98         |
| 62) 4-Nitroaniline            | 10.404 | 138  | 114882   | 48.402  | ng    | 90         |
| 63) Azobenzene                | 10.533 | 77   | 481359   | 46.750  | ng    | 98         |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 91087    | 57.286  | ng    | 100        |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 421404   | 48.468  | ng    | 99         |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 145703   | 48.415  | ng    | 99         |
| 68) Hexachlorobenzene         | 10.927 | 284  | 153026   | 47.936  | ng    | 99         |
| 69) Atrazine                  | 11.022 | 200  | 152376   | 52.417  | ng    | 99         |
| 70) Pentachlorophenol         | 11.127 | 266  | 193550   | 103.538 | ng    | 99         |
| 71) Phenanthrene              | 11.345 | 178  | 743871   | 51.479  | ng    | 100        |
| 72) Anthracene                | 11.392 | 178  | 758044   | 53.540  | ng    | 99         |
| 73) Carbazole                 | 11.551 | 167  | 665174   | 52.983  | ng    | 99         |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 783458   | 51.494  | ng    | 99         |
| 75) Fluoranthene              | 12.533 | 202  | 792604   | 55.552  | ng    | 98         |
| 77) Benzidine                 | 12.657 | 184  | 173242   | 28.873  | ng    | 99         |
| 78) Pyrene                    | 12.763 | 202  | 824927   | 45.916  | ng    | 99         |
| 80) Butylbenzylphthalate      | 13.380 | 149  | 311075   | 49.562  | ng    | 99         |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 637983   | 49.397  | ng    | 99         |
| 82) 3,3'-Dichlorobenzidine    | 13.915 | 252  | 98974    | 24.095  | ng    | 98         |
| 83) Chrysene                  | 13.992 | 228  | 562189   | 47.496  | ng    | 100        |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 403170   | 50.636  | ng    | 99         |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 602500   | 48.720  | ng    | 98         |
| 87) Indeno(1,2,3-cd)pyrene    | 16.880 | 276  | 538149   | 50.861  | ng    | 95         |
| 88) Benzo(b)fluoranthene      | 15.009 | 252  | 498092   | 48.302  | ng    | 98         |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 472495   | 51.723  | ng    | 98         |
| 90) Benzo(a)pyrene            | 15.368 | 252  | 461267   | 52.934  | ng    | 98         |
| 91) Dibenzo(a,h)anthracene    | 16.898 | 278  | 435153   | 51.119  | ng    | 96         |
| 92) Benzo(g,h,i)perylene      | 17.315 | 276  | 407221   | 46.007  | ng    | 96         |

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

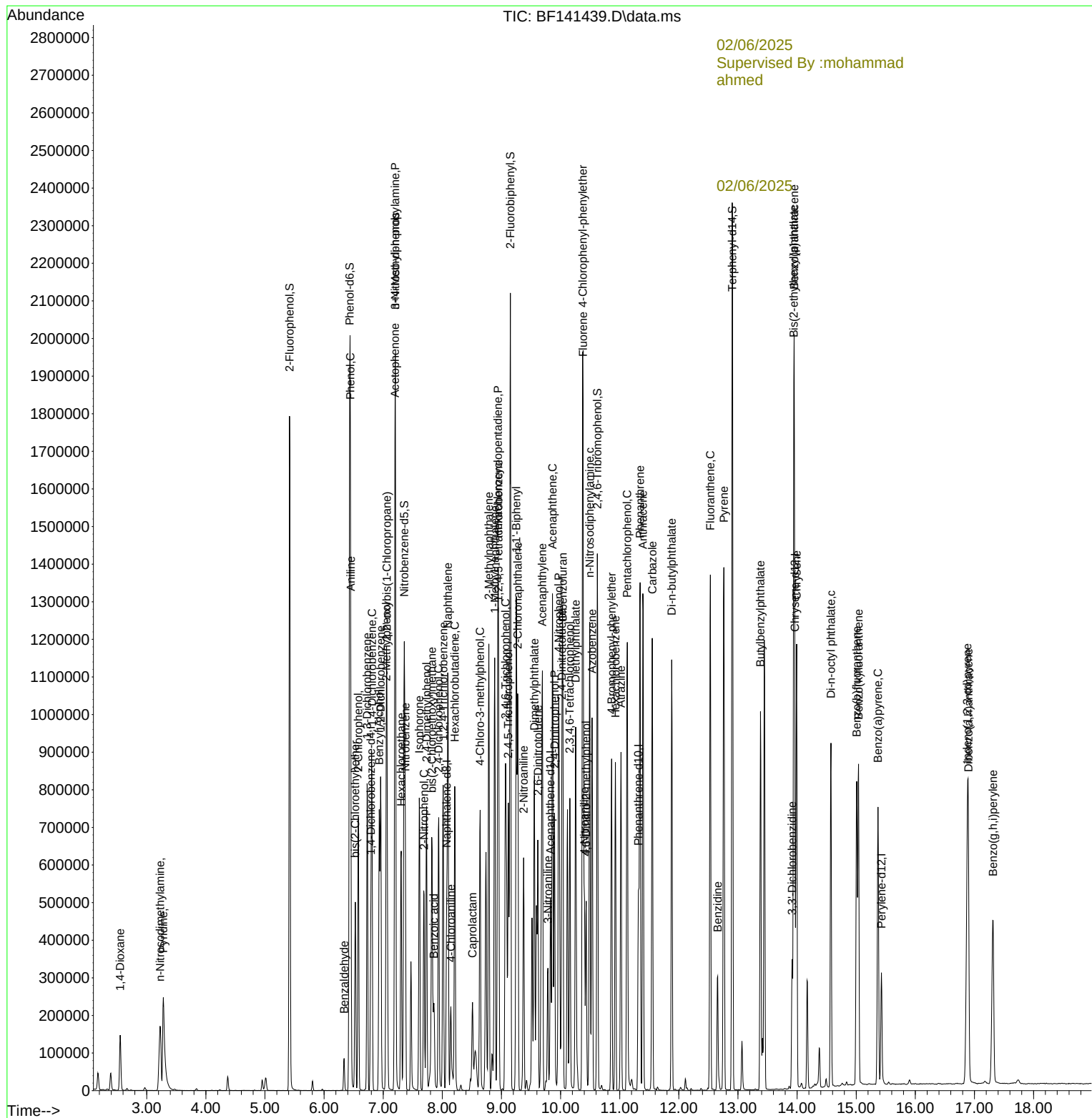
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020525\  
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 ALS Vial : 6 Sample Multiplier: 1

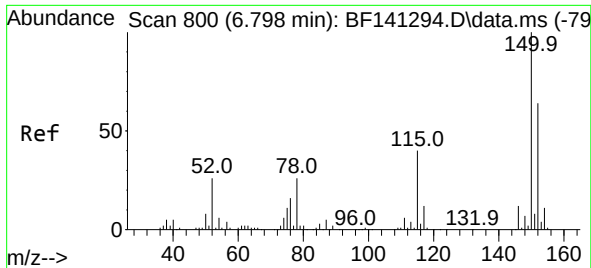
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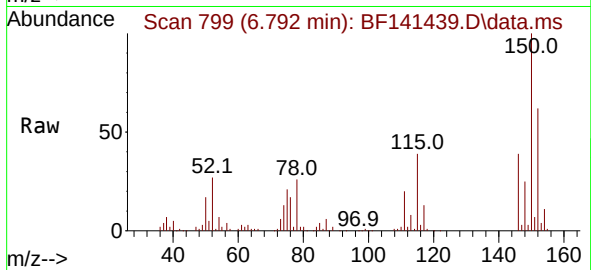
Reviewed By :Yogesh Patel 02/06/2025  
 Supervised By :mohammad ahmed 02/06/2025





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.792 min Scan# 79  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

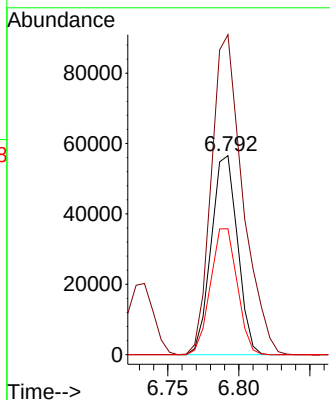
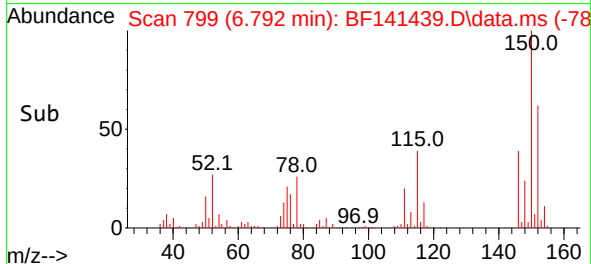
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:152 Resp: 7298  
Ion Ratio Lower Upper  
152 100  
150 160.8 125.9 188.9  
115 63.3 49.7 74.5

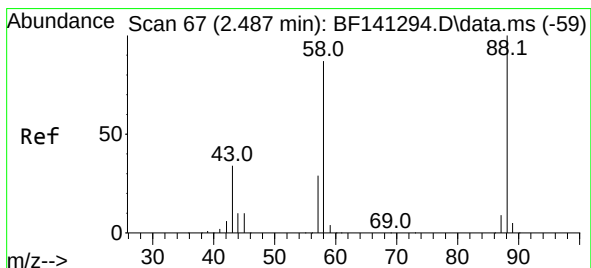
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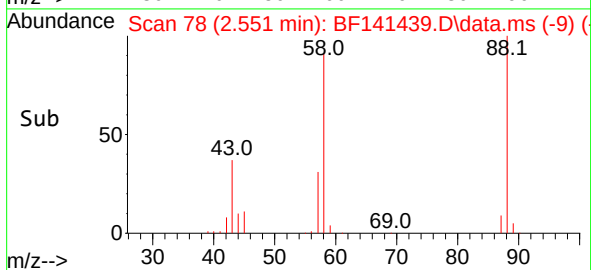
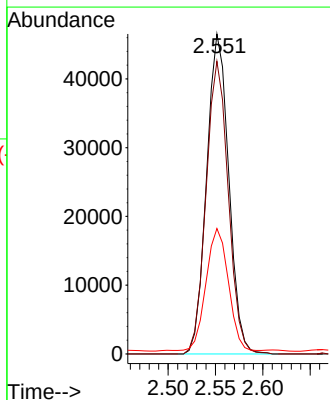
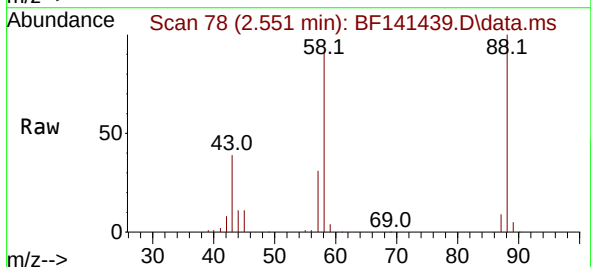
02/06/2025  
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ahmed

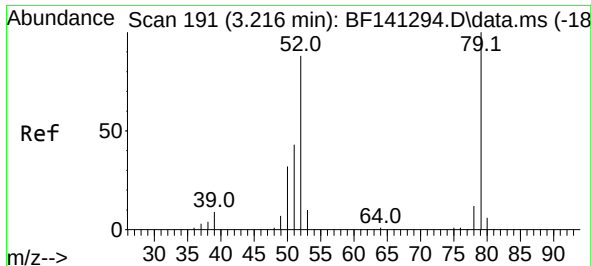
02/06/2025



#2  
1,4-Dioxane  
Concen: 36.218 ng  
RT: 2.551 min Scan# 78  
Delta R.T. 0.059 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

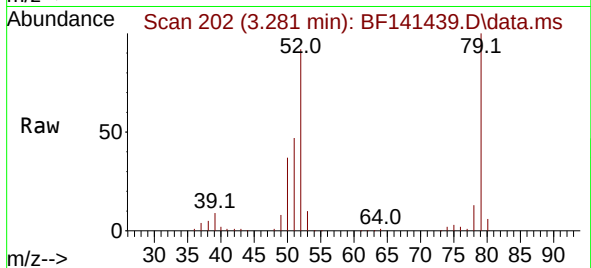
Tgt Ion: 88 Resp: 75727  
Ion Ratio Lower Upper  
88 100  
58 91.6 70.2 105.4  
43 38.9 27.6 41.4





#3  
Pyridine  
Concen: 37.521 ng  
RT: 3.281 min Scan# 20  
Delta R.T. 0.053 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

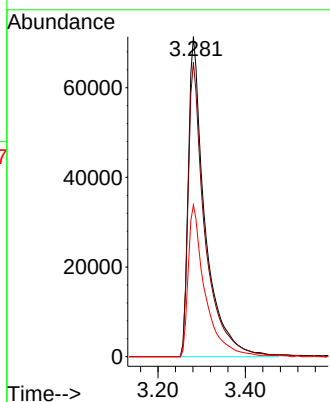
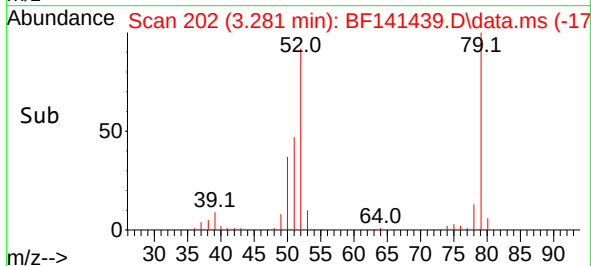
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion: 79 Resp: 189020  
Ion Ratio Lower Upper  
79 100  
52 92.0 70.3 105.5  
51 47.4 34.3 51.5

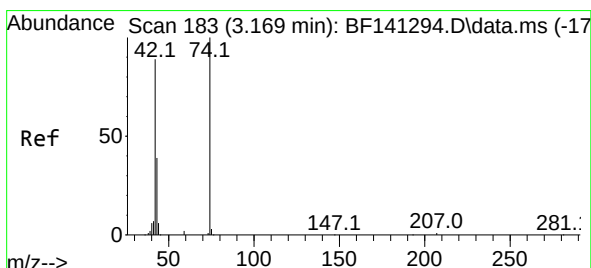
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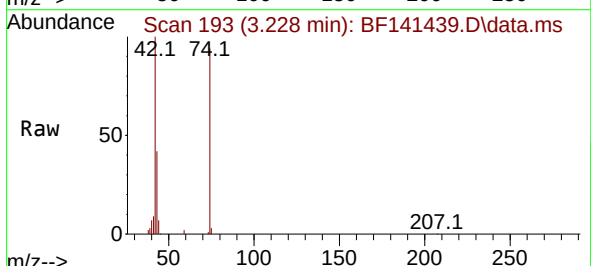


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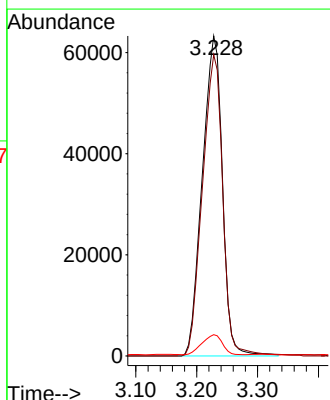
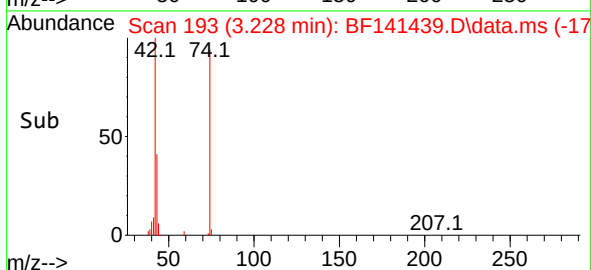
02/06/2025

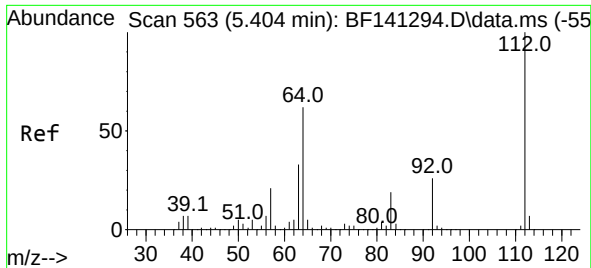


#4  
n-Nitrosodimethylamine  
Concen: 50.383 ng  
RT: 3.228 min Scan# 193  
Delta R.T. 0.029 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion: 42 Resp: 144996  
Ion Ratio Lower Upper  
42 100  
74 94.2 90.3 135.5  
44 6.6 5.7 8.5





#5  
2-Fluorophenol  
Concen: 132.627 ng  
RT: 5.416 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

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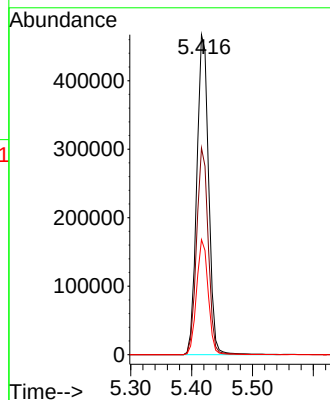
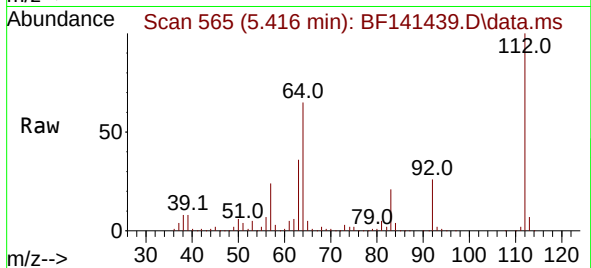
Tgt Ion:112 Resp: 630538  
Ion Ratio Lower Upper  
112 100  
64 64.6 49.8 74.8  
63 35.9 26.1 39.1

Manual Integrations

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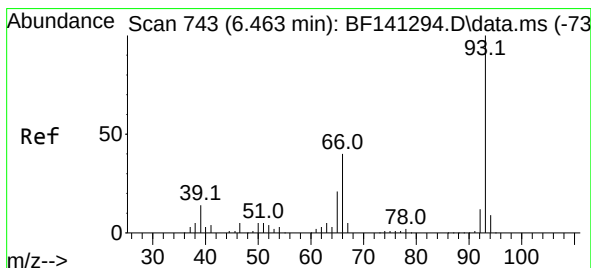
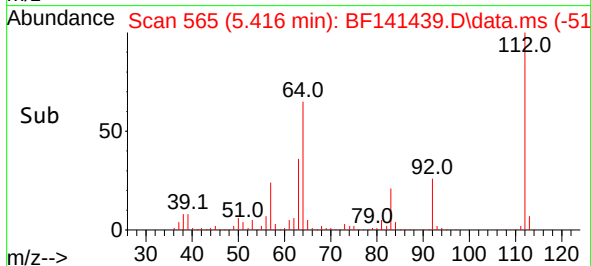
Supervised By :mohammad ahmed 02/06/2025



02/06/2025

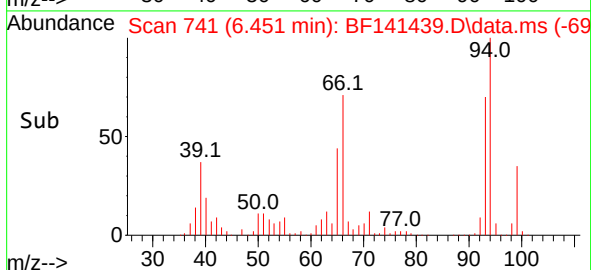
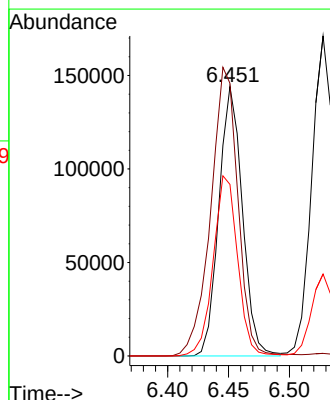
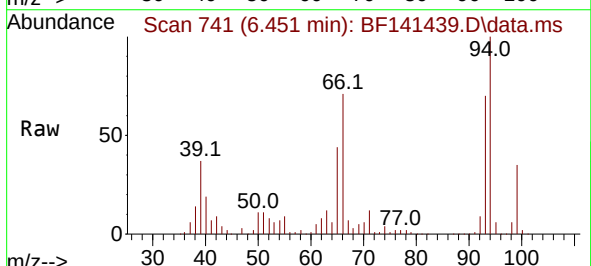
Supervised By :mohammad  
ahmed

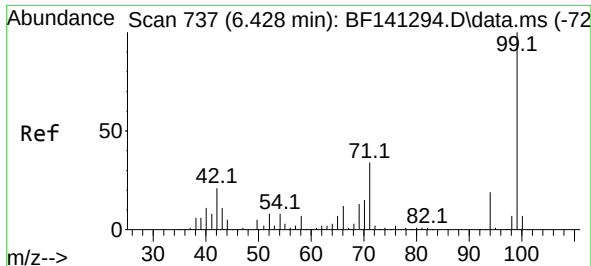
02/06/2025



#6  
Aniline  
Concen: 37.847 ng  
RT: 6.451 min Scan# 741  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

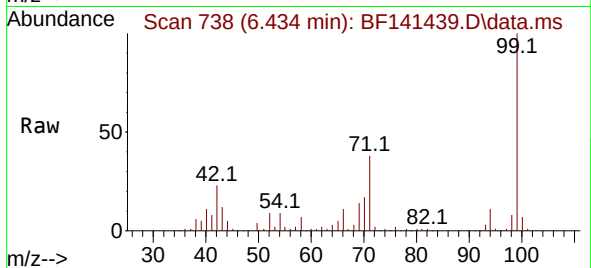
Tgt Ion: 93 Resp: 193758  
Ion Ratio Lower Upper  
93 100  
66 101.2 32.5 48.7#  
65 63.6 17.0 25.6#





#7  
Phenol-d6  
Concen: 127.565 ng  
RT: 6.434 min Scan# 715  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

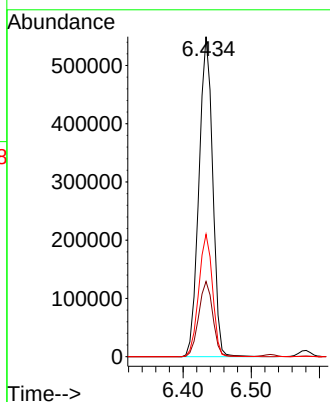
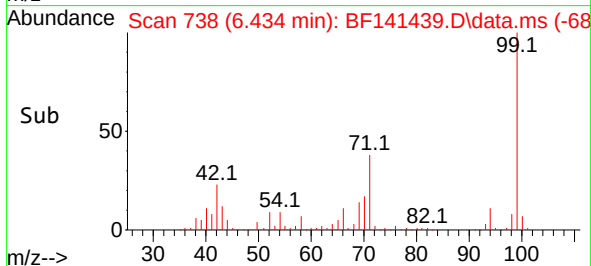
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion: 99 Resp: 771514  
Ion Ratio Lower Upper  
99 100  
42 23.5 17.1 25.7  
71 38.2 26.9 40.3

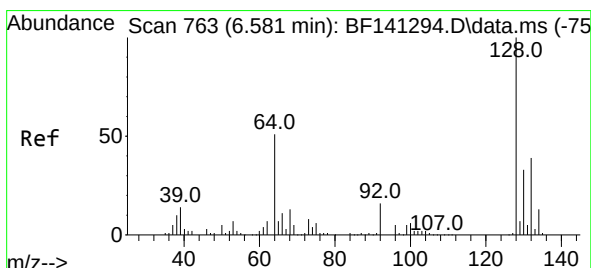
Manual Integrations  
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Supervised By :mohammad ahmed 02/06/2025

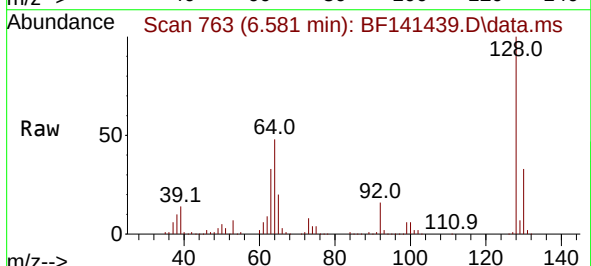


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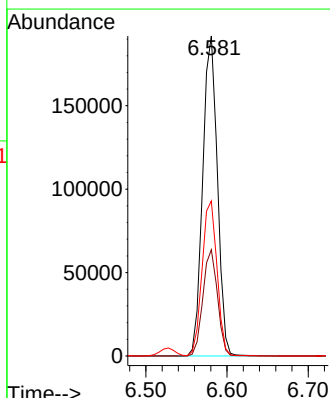
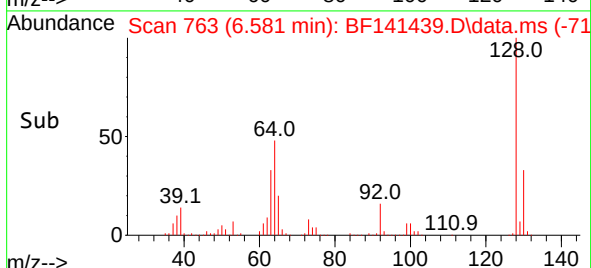
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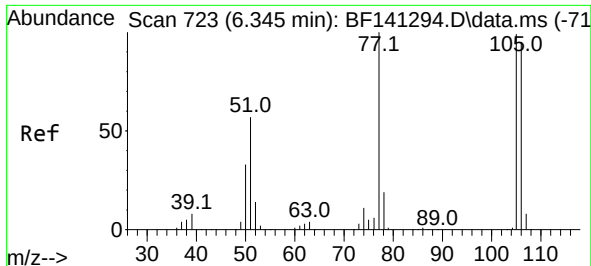


#8  
2-Chlorophenol  
Concen: 47.243 ng  
RT: 6.581 min Scan# 763  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:128 Resp: 240737  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.5 52.5  
64 48.4 32.9 72.9





#9  
Benzaldehyde  
Concen: 6.147 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

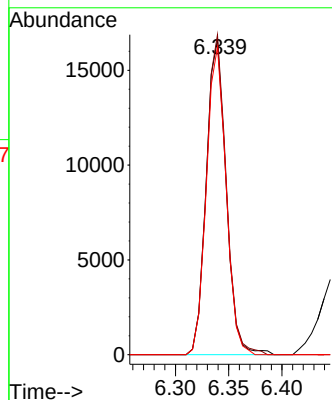
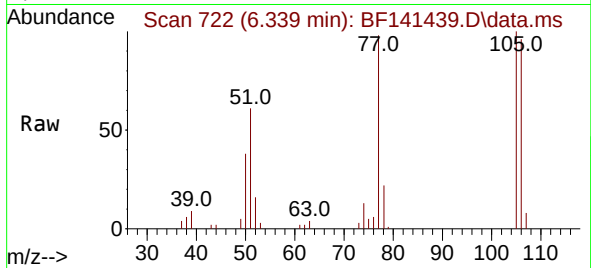
ClientSampleId :

PB166294BS

Tgt Ion: 77 Resp: 2153  
Ion Ratio Lower Upper  
77 100  
105 101.5 79.4 119.4  
106 97.7 74.6 114.6

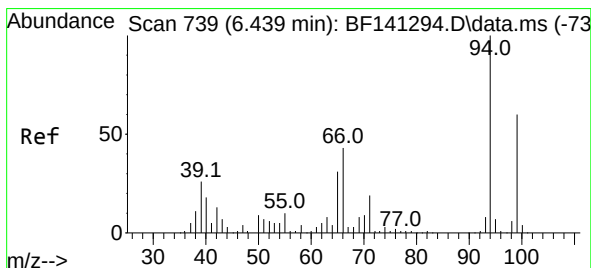
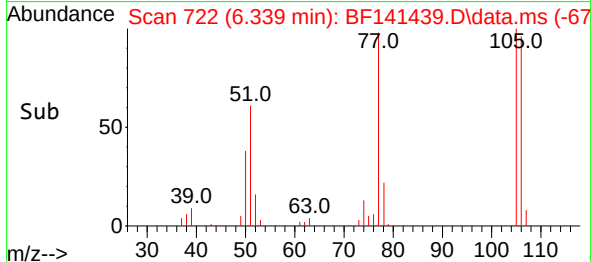
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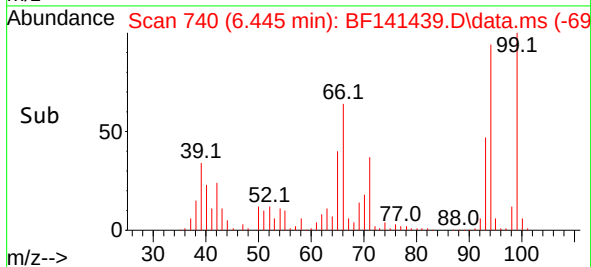
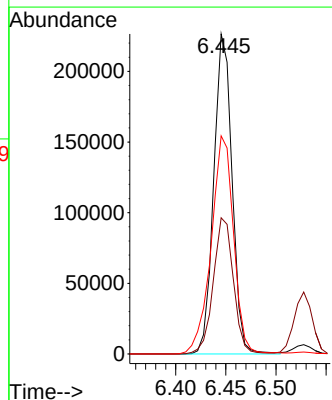
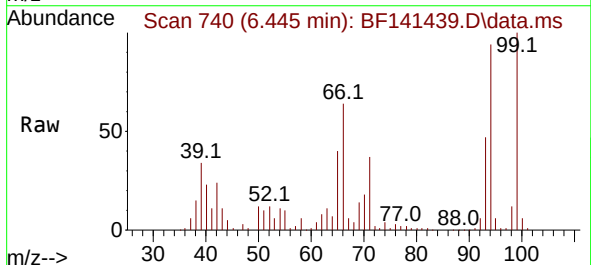
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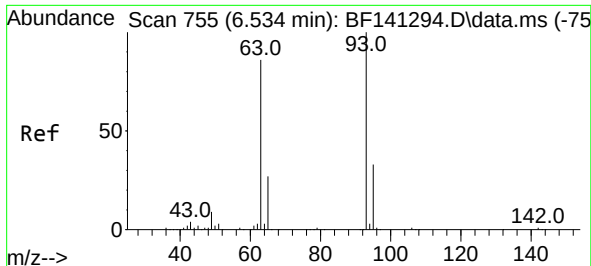


#10  
Phenol  
Concen: 44.852 ng  
RT: 6.445 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion: 94 Resp: 287555  
Ion Ratio Lower Upper  
94 100  
65 42.5 10.8 50.8  
66 68.2 23.3 63.3#







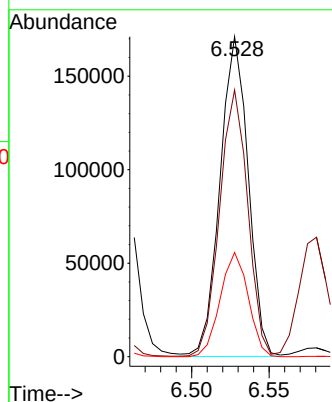
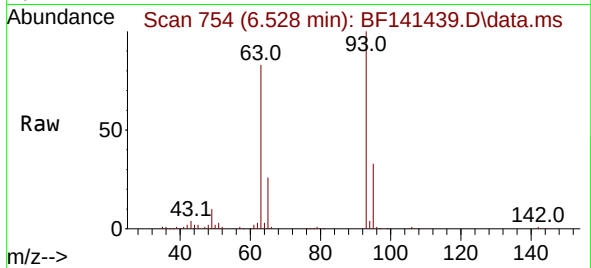
#11  
bis(2-Chloroethyl)ether  
Concen: 44.066 ng  
RT: 6.528 min Scan# 714  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS

Tgt Ion: 93 Resp: 216614  
Ion Ratio Lower Upper  
93 100  
63 83.4 65.0 105.0  
95 32.6 12.4 52.4

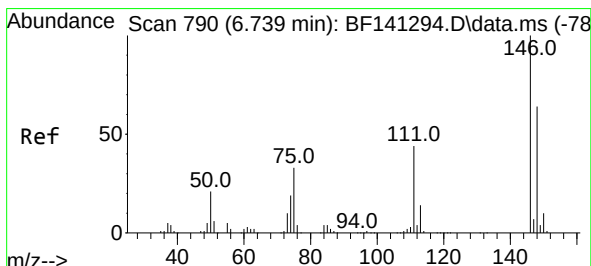
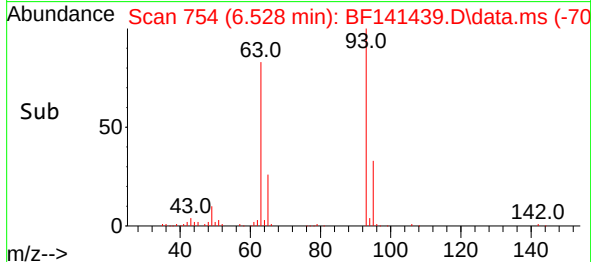
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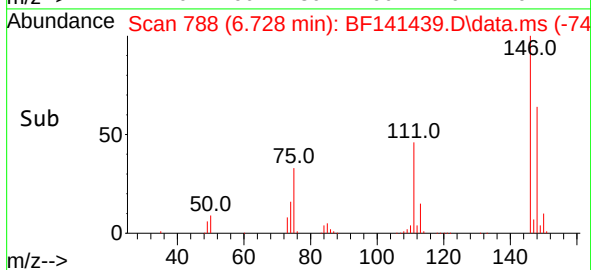
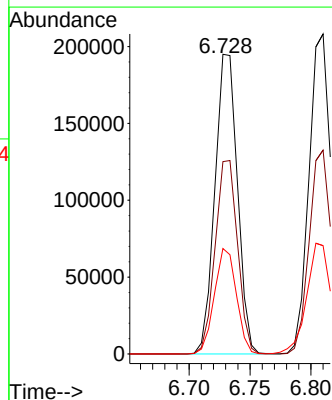
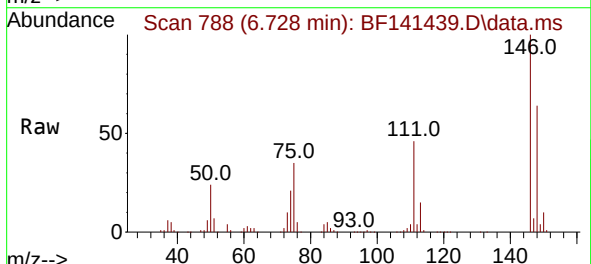
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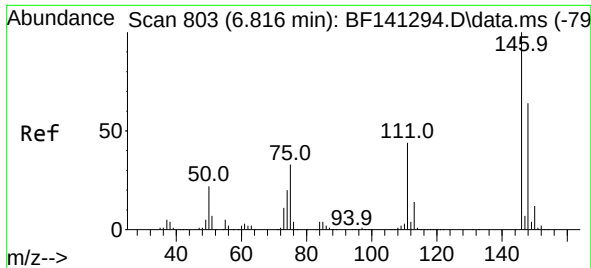
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#12  
1,3-Dichlorobenzene  
Concen: 44.789 ng  
RT: 6.728 min Scan# 788  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:146 Resp: 251649  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.2 76.8  
75 35.2 26.2 39.4





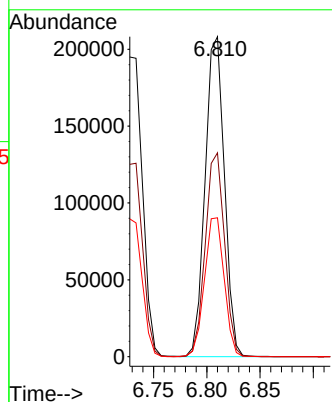
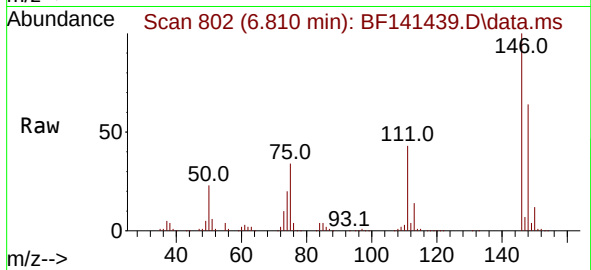
#13  
1,4-Dichlorobenzene  
Concen: 46.544 ng  
RT: 6.810 min Scan# 803  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS

Tgt Ion:146 Resp: 262711  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.2 76.8  
111 43.4 35.0 52.4

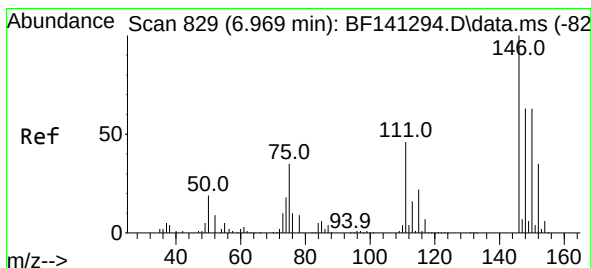
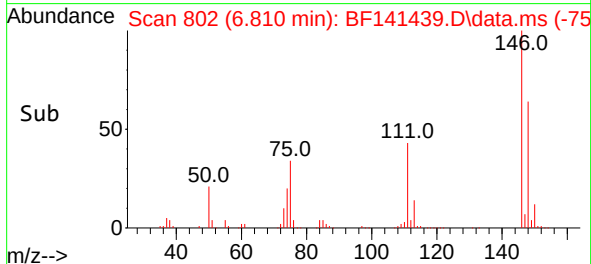
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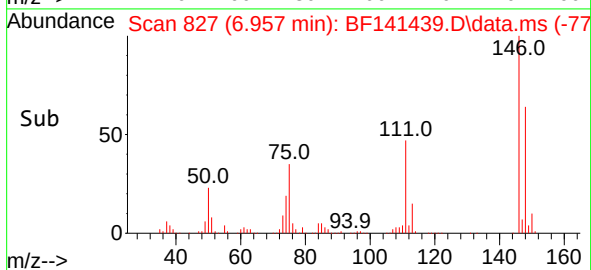
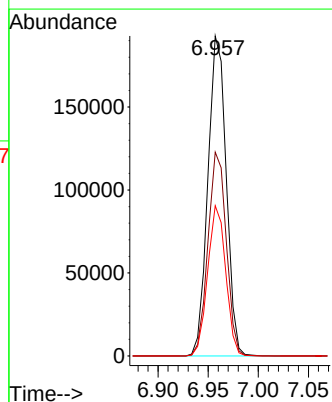
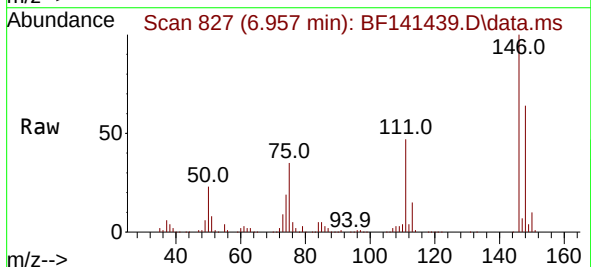
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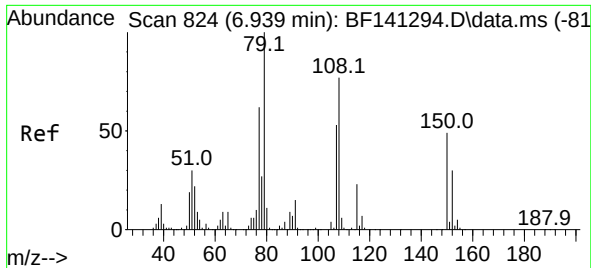
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#14  
1,2-Dichlorobenzene  
Concen: 46.497 ng  
RT: 6.957 min Scan# 827  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

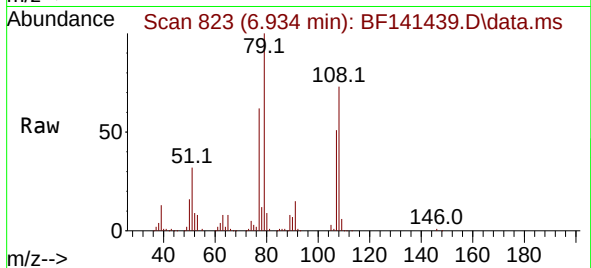
Tgt Ion:146 Resp: 245753  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.5 75.7  
111 47.0 36.6 55.0





#15  
Benzyl Alcohol  
Concen: 51.793 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

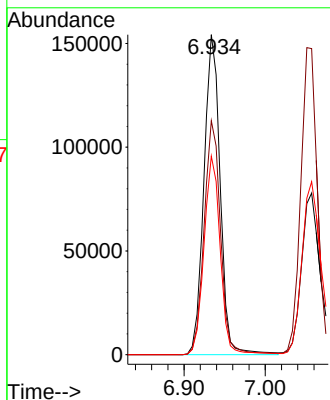
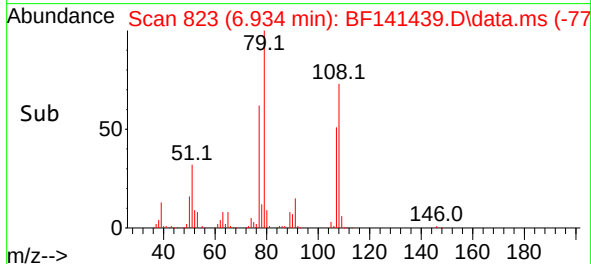
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion: 79 Resp: 214068  
Ion Ratio Lower Upper  
79 100  
108 73.1 61.4 92.0  
77 62.1 49.9 74.9

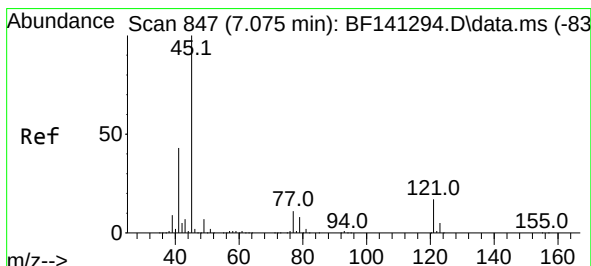
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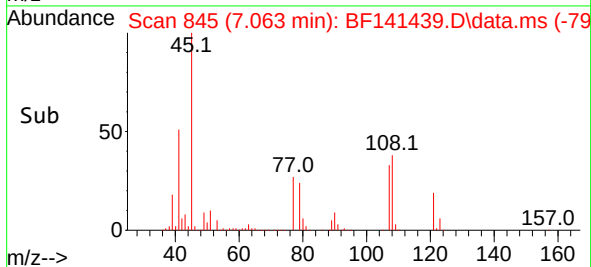
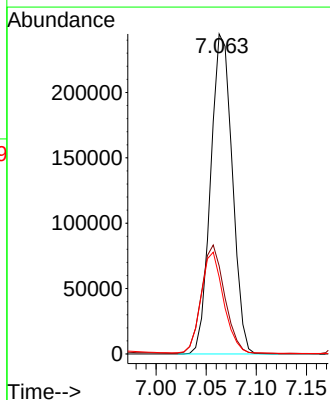
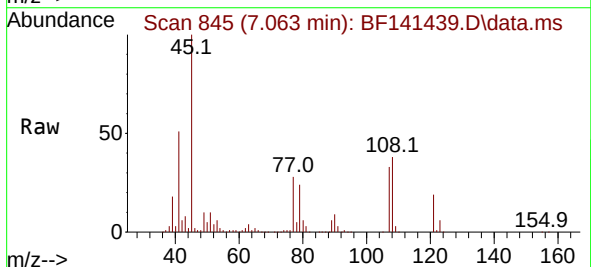
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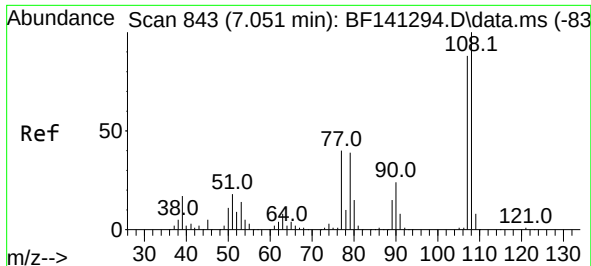
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.966 ng  
RT: 7.063 min Scan# 845  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion: 45 Resp: 367278  
Ion Ratio Lower Upper  
45 100  
77 27.5 0.0 31.8  
79 24.0 0.0 29.1





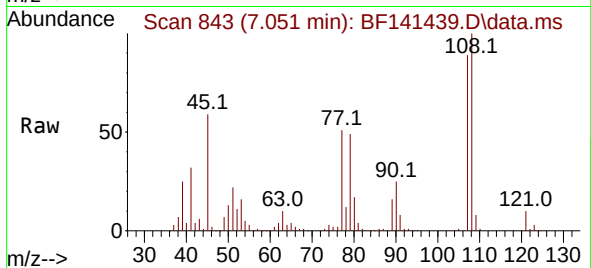
#17  
2-Methylphenol  
Concen: 44.752 ng  
RT: 7.051 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

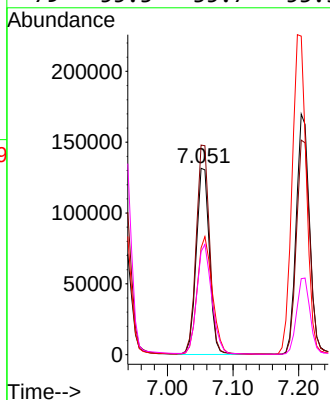
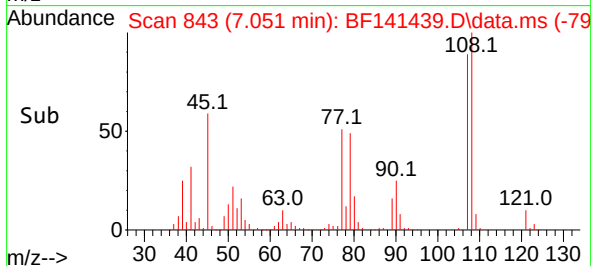
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Tgt Ion:107 Resp: 185339  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.8 136.2  
77 57.3 36.2 54.4  
79 55.3 35.7 53.5#

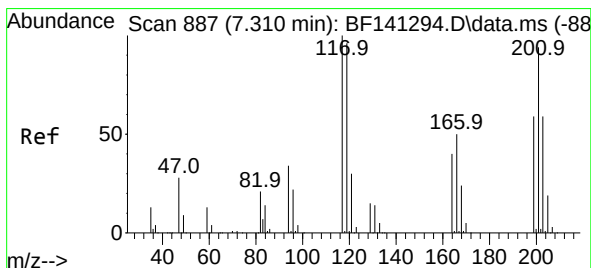
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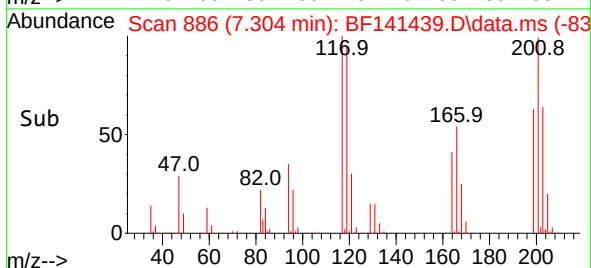
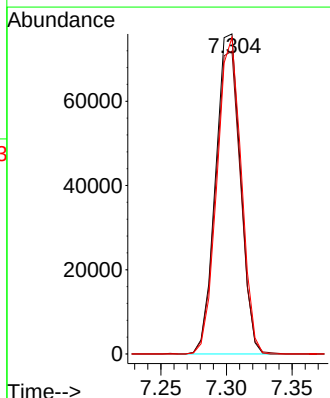
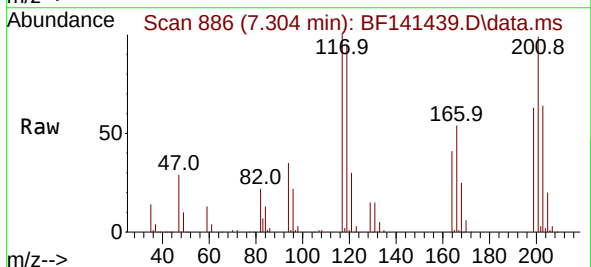
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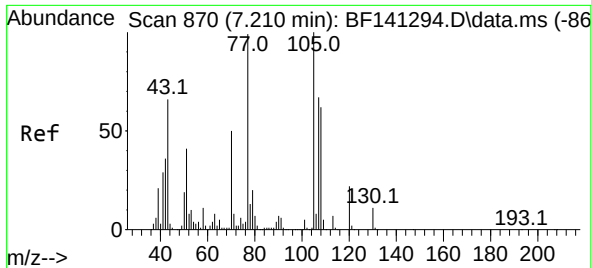
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#18  
Hexachloroethane  
Concen: 47.931 ng  
RT: 7.304 min Scan# 886  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:117 Resp: 99805  
Ion Ratio Lower Upper  
117 100  
119 94.6 76.6 114.8  
201 98.9 74.8 112.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 46.816 ng  
RT: 7.204 min Scan# 869  
Delta R.T. -0.024 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

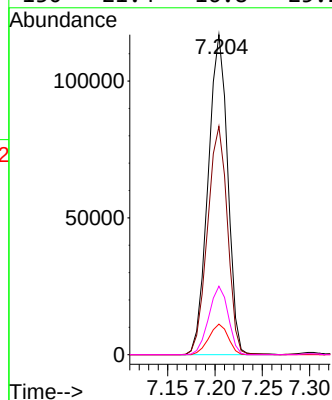
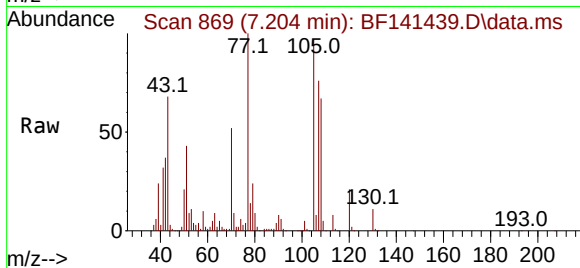
ClientSampleId :

PB166294BS

Tgt Ion: 70 Resp: 16824  
Ion Ratio Lower Upper  
70 100  
42 71.3 56.8 85.2  
101 9.6 7.7 11.5  
130 21.4 16.8 25.2

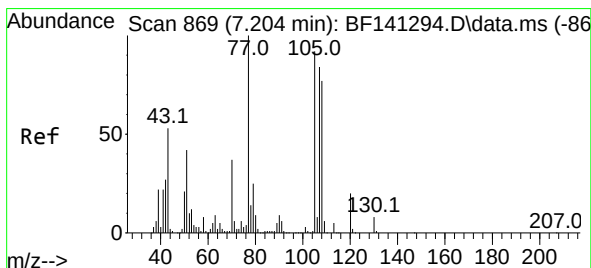
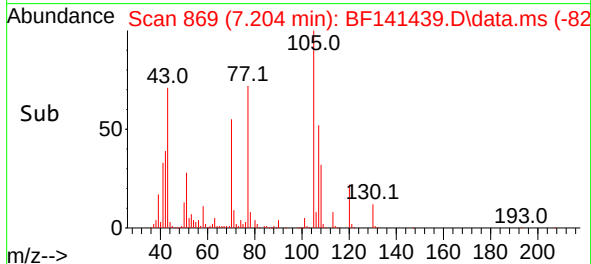
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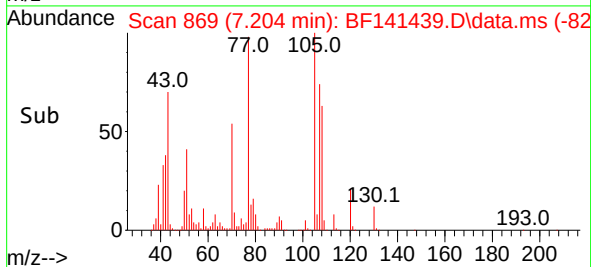
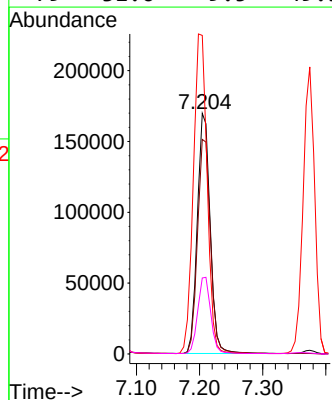
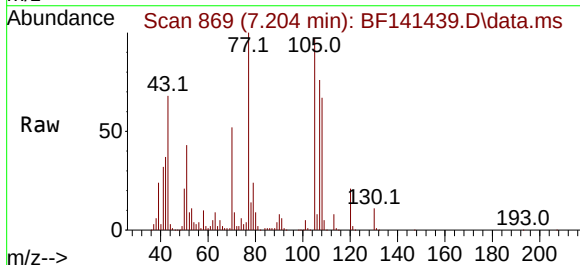
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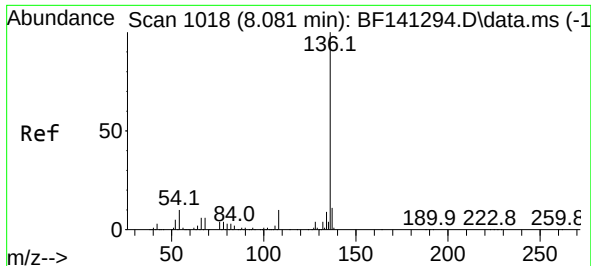
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#20  
3+4-Methylphenols  
Concen: 47.083 ng  
RT: 7.204 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

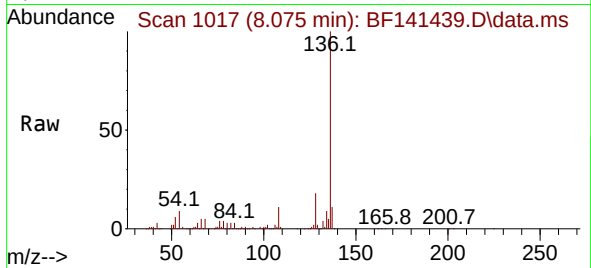
Tgt Ion:107 Resp: 239419  
Ion Ratio Lower Upper  
107 100  
108 89.2 70.9 110.9  
77 132.4 98.5 138.5  
79 31.6 9.5 49.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

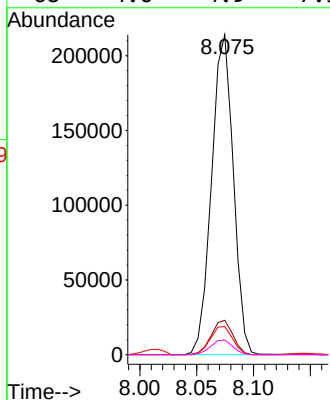
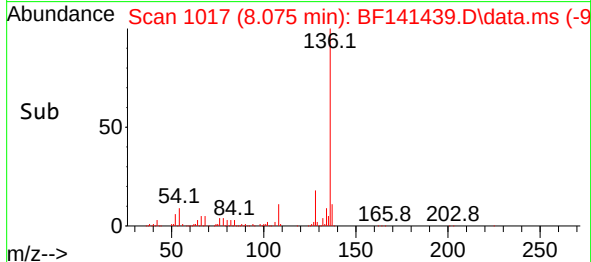
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:136 Resp: 28562  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 8.8 7.8 11.8  
68 4.6 4.9 7.3#

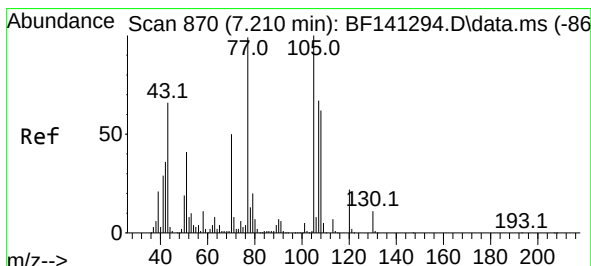
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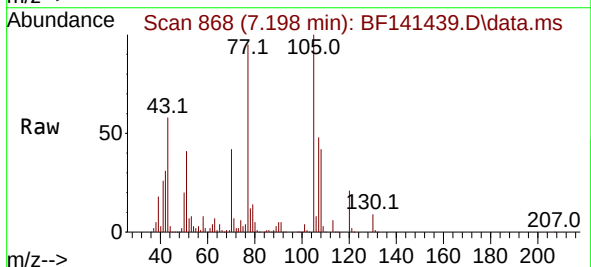


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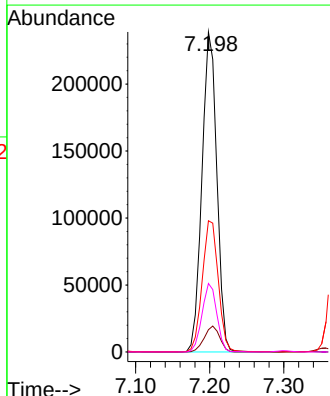
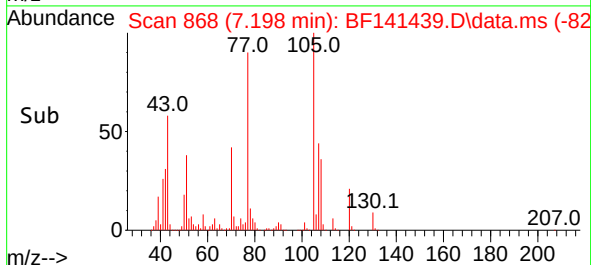
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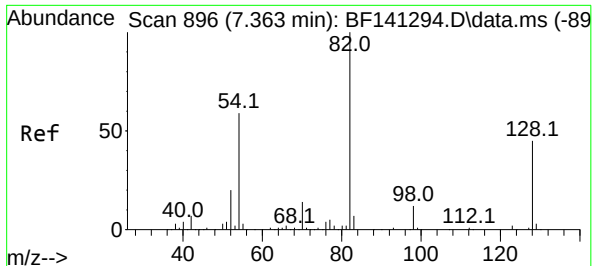


#22  
Acetophenone  
Concen: 49.051 ng  
RT: 7.198 min Scan# 868  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:105 Resp: 333018  
Ion Ratio Lower Upper  
105 100  
71 6.9 6.8 10.2  
51 41.0 32.6 49.0  
120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 95.086 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

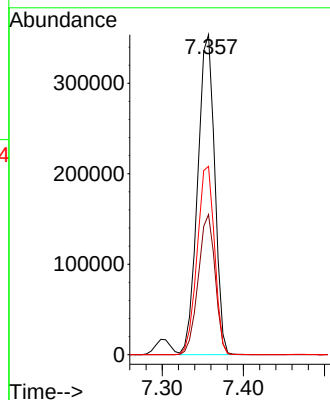
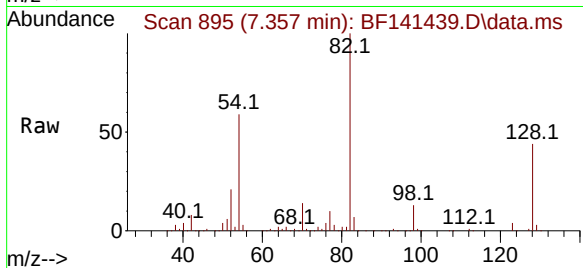
ClientSampleId :

PB166294BS

Tgt Ion: 82 Resp: 51518  
 Ion Ratio Lower Upper  
 82 100  
 128 43.8 35.7 53.5  
 54 58.9 47.1 70.7

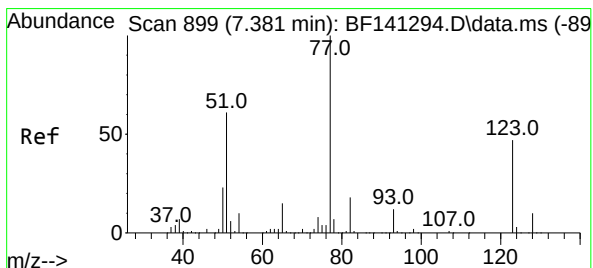
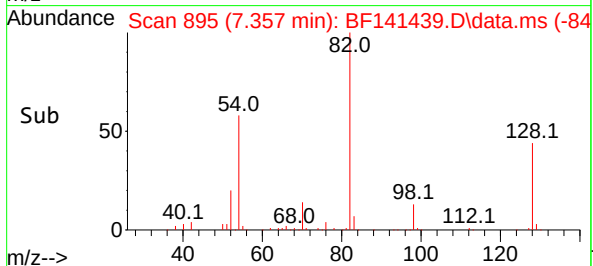
Manual Integrations  
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Reviewed By :Yogesh Patel 02/06/2025  
 Supervised By :mohammad ahmed 02/06/2025



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 ahmed

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#24

Nitrobenzene

Concen: 45.849 ng

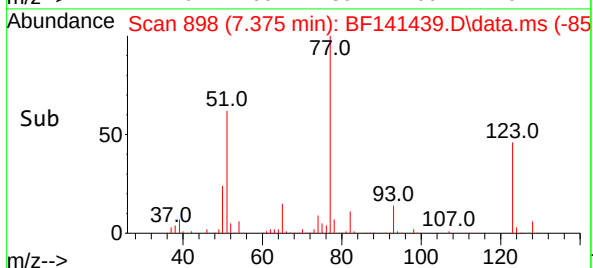
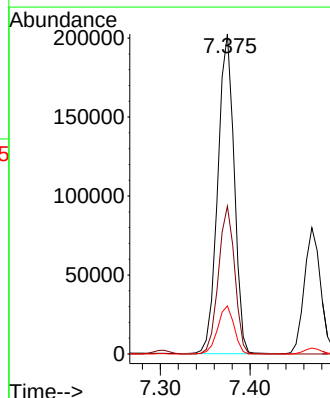
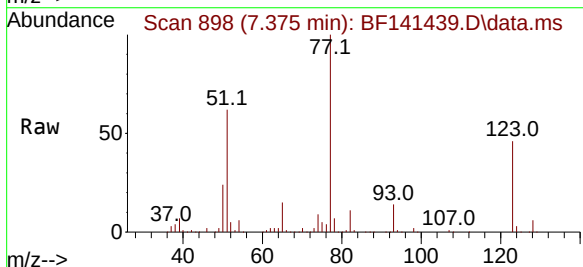
RT: 7.375 min Scan# 898

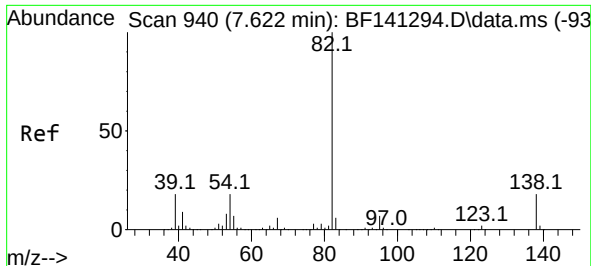
Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion: 77 Resp: 257434  
 Ion Ratio Lower Upper  
 77 100  
 123 46.2 37.3 55.9  
 65 15.0 11.8 17.6





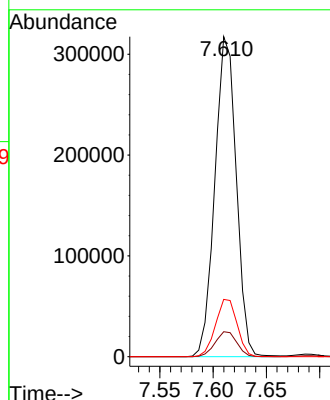
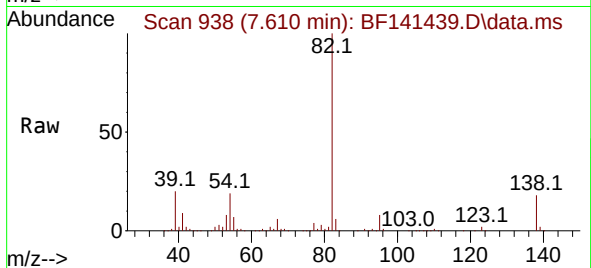
#25  
Isophorone  
Concen: 47.245 ng  
RT: 7.610 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :  
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ClientSampleId :  
PB166294BS

Tgt Ion: 82 Resp: 44248  
Ion Ratio Lower Upper  
82 100  
95 7.8 5.8 8.6  
138 17.9 14.7 22.1

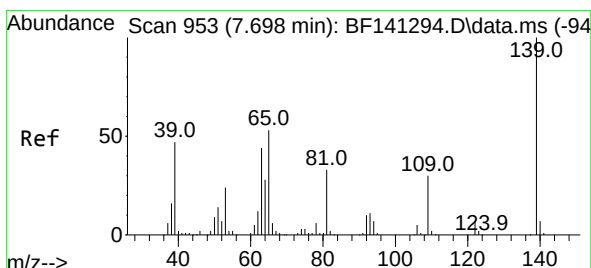
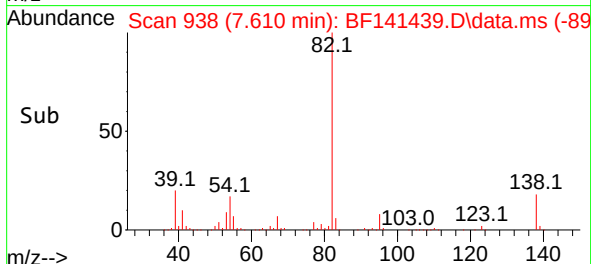
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Supervised By :mohammad ahmed 02/06/2025



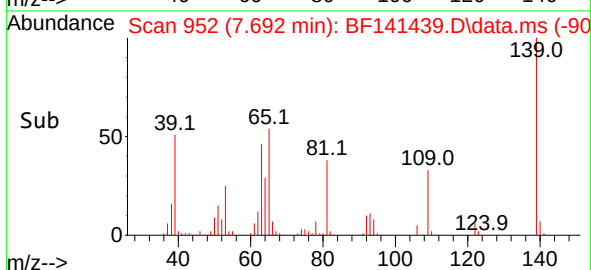
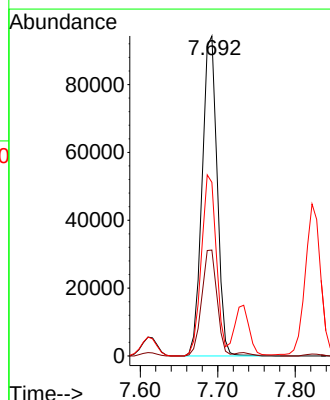
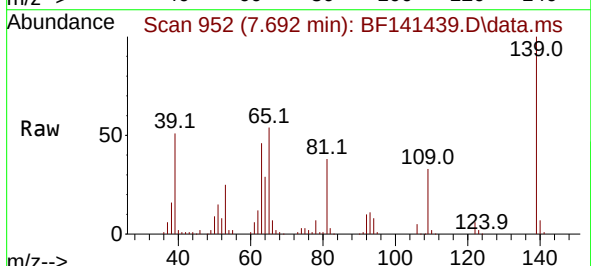
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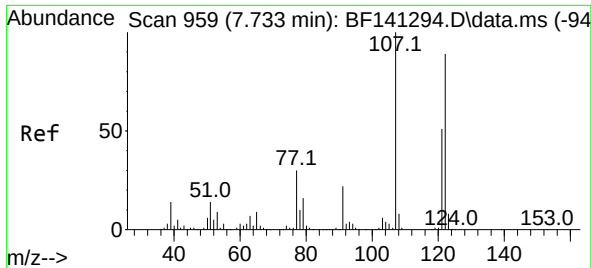


#26  
2-Nitrophenol  
Concen: 47.983 ng  
RT: 7.692 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 127059  
Ion Ratio Lower Upper  
139 100  
109 33.1 23.8 35.6  
65 54.2 42.2 63.4







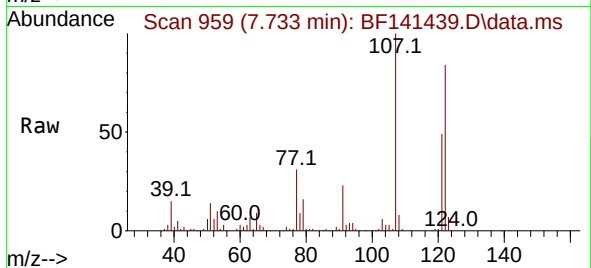
#27  
2,4-Dimethylphenol  
Concen: 54.764 ng m  
RT: 7.733 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

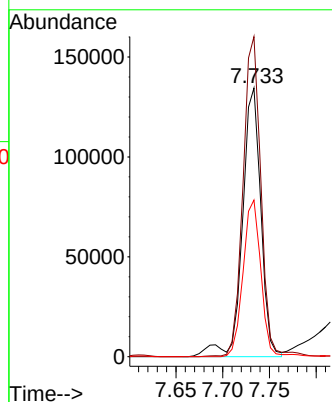
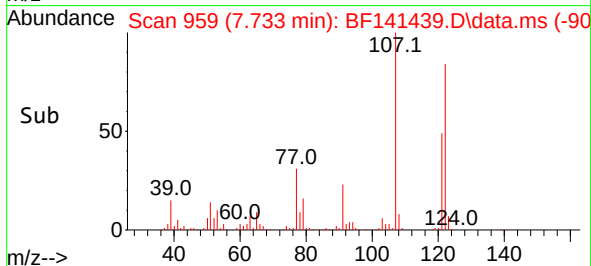
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Tgt Ion:122 Resp: 18458  
Ion Ratio Lower Upper  
122 100  
107 119.1 89.9 134.9  
121 58.3 46.1 69.1

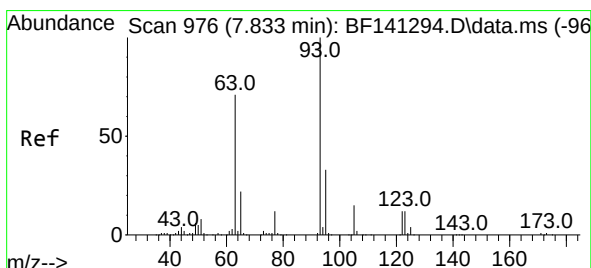
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Supervised By :mohammad ahmed 02/06/2025

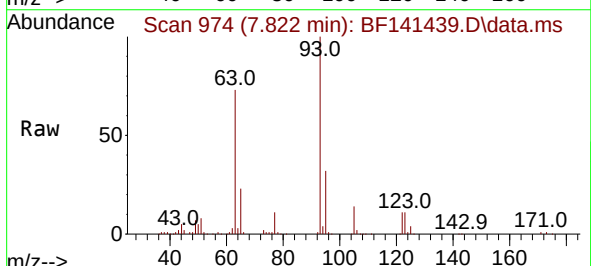


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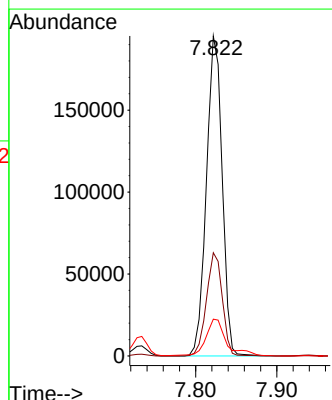
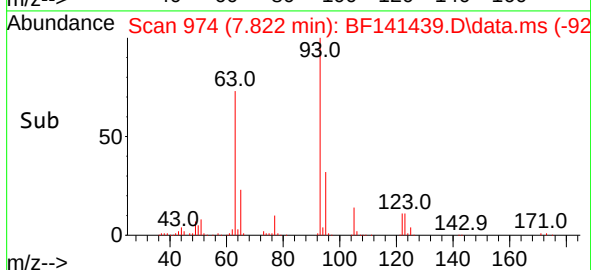
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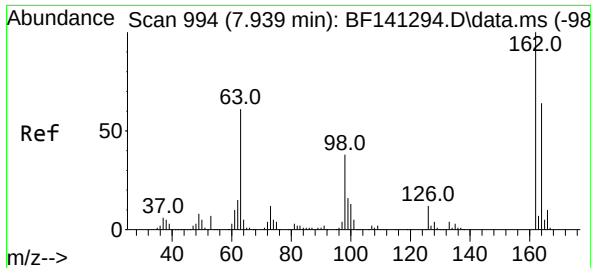


#28  
bis(2-Chloroethoxy)methane  
Concen: 43.985 ng  
RT: 7.822 min Scan# 974  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion: 93 Resp: 262769  
Ion Ratio Lower Upper  
93 100  
95 32.3 26.2 39.2  
123 11.5 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 47.784 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141439.D

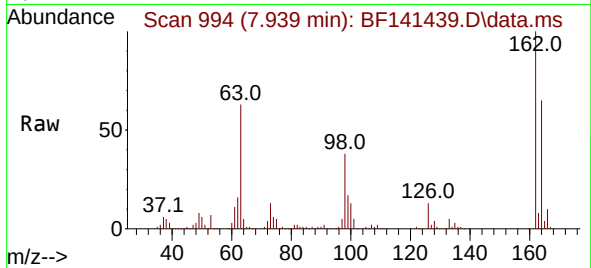
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS



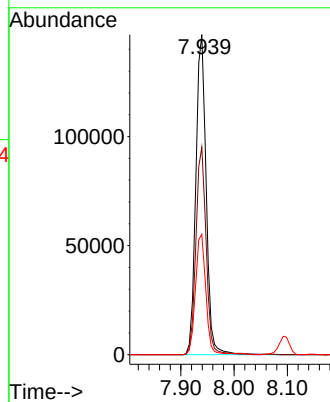
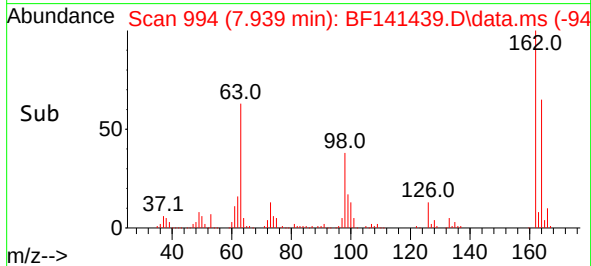
|             |              |
|-------------|--------------|
| Tgt Ion:162 | Resp: 197168 |
| Ion Ratio   | Lower Upper  |
| 162 100     |              |
| 164 64.8    | 44.2 84.2    |
| 98 37.6     | 18.2 58.2    |

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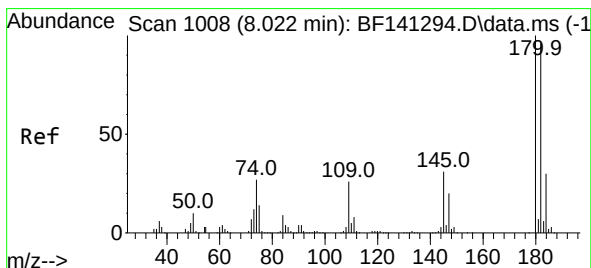
Supervised By :mohammad ahmed 02/06/2025



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Supervised By :mohammad  
ahmed

02/06/2025



#30

1,2,4-Trichlorobenzene

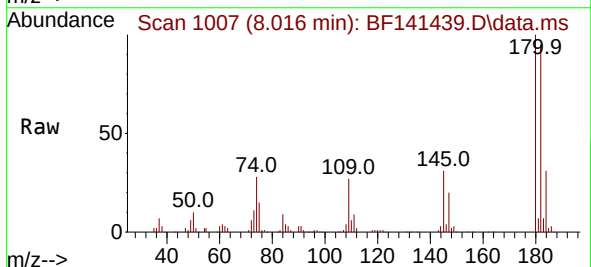
Concen: 45.347 ng

RT: 8.016 min Scan# 1007

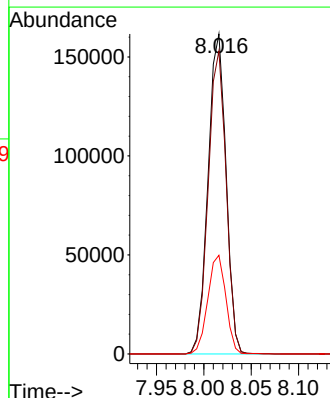
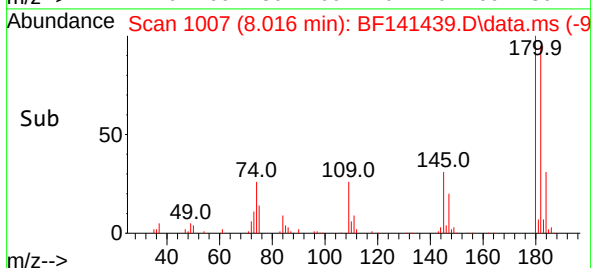
Delta R.T. -0.012 min

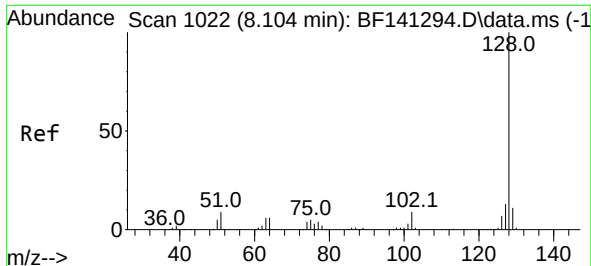
Lab File: BF141439.D

Acq: 05 Feb 2025 11:47



|             |              |
|-------------|--------------|
| Tgt Ion:180 | Resp: 213686 |
| Ion Ratio   | Lower Upper  |
| 180 100     |              |
| 182 94.7    | 76.4 114.6   |
| 145 30.8    | 24.9 37.3    |





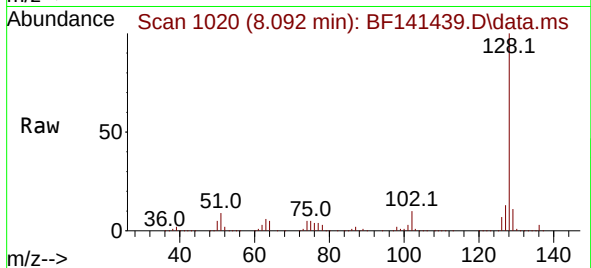
#31  
Naphthalene  
Concen: 45.810 ng  
RT: 8.092 min Scan# 1022  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

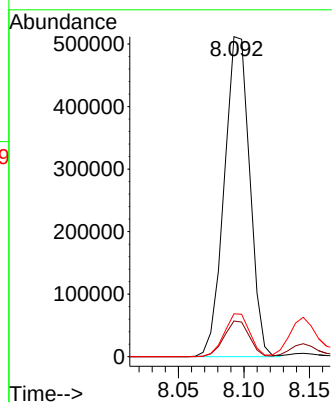
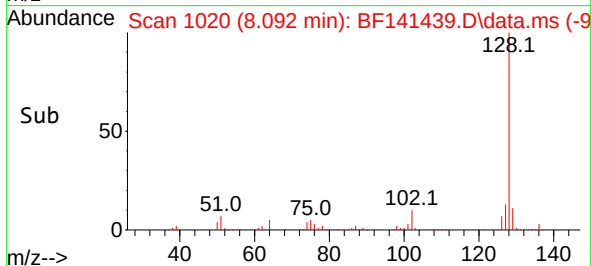


Tgt Ion:128 Resp: 691208  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.4 10.6 15.8

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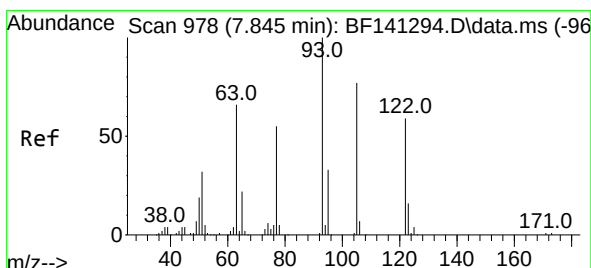
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Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025

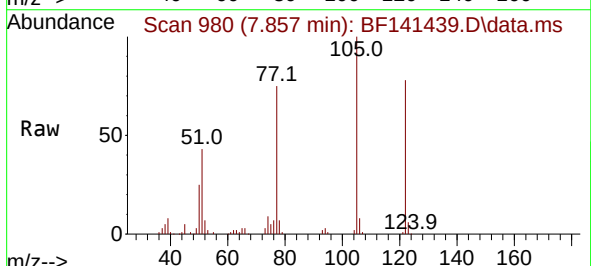


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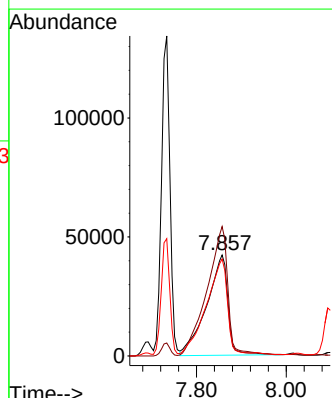
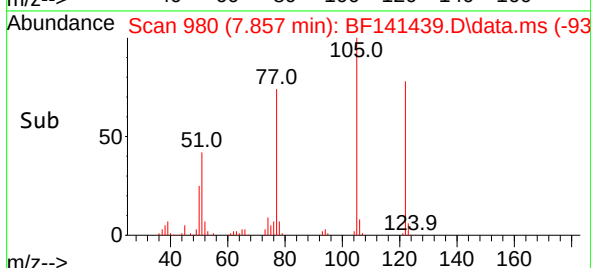
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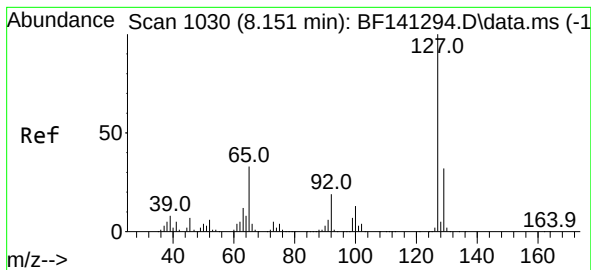


#32  
Benzoic acid  
Concen: 44.774 ng  
RT: 7.857 min Scan# 980  
Delta R.T. -0.024 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:122 Resp: 138729  
Ion Ratio Lower Upper  
122 100  
105 128.1 103.4 143.4  
77 96.0 70.9 110.9





#33  
4-Chloroaniline  
Concen: 21.491 ng  
RT: 8.145 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

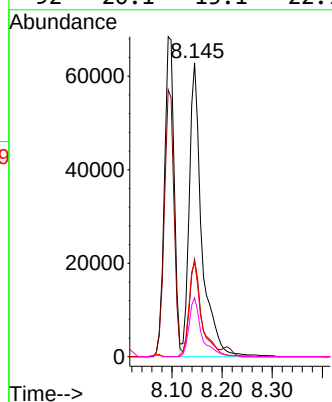
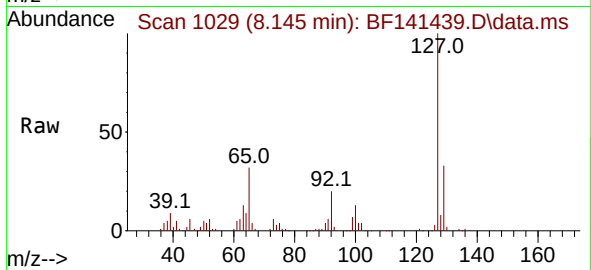
ClientSampleId :

PB166294BS

Tgt Ion:127 Resp: 10996  
Ion Ratio Lower Upper  
127 100  
129 33.1 25.7 38.5  
65 32.2 26.4 39.6  
92 20.1 15.1 22.7

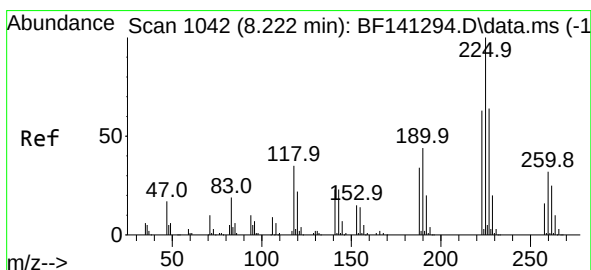
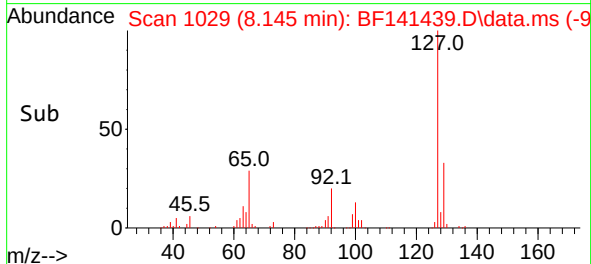
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Supervised By :mohammad ahmed 02/06/2025



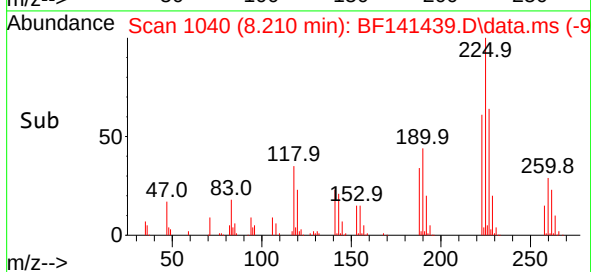
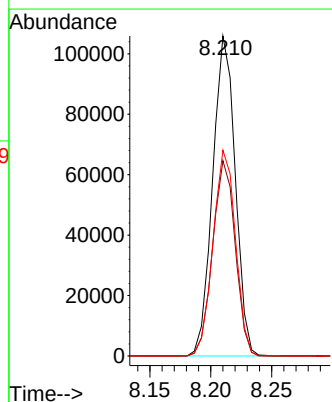
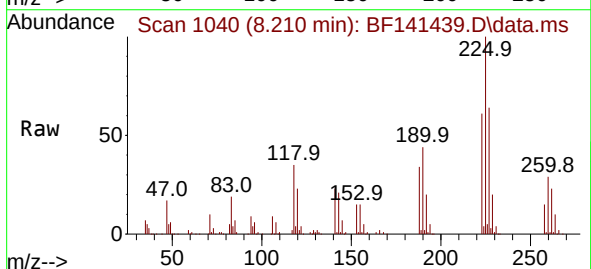
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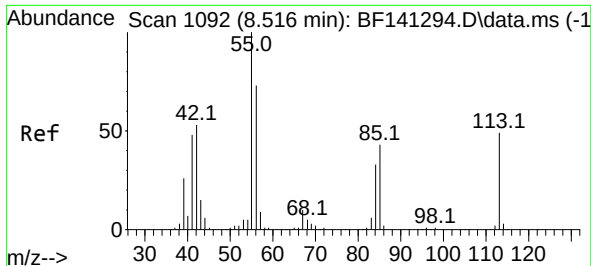
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#34  
Hexachlorobutadiene  
Concen: 49.340 ng  
RT: 8.210 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

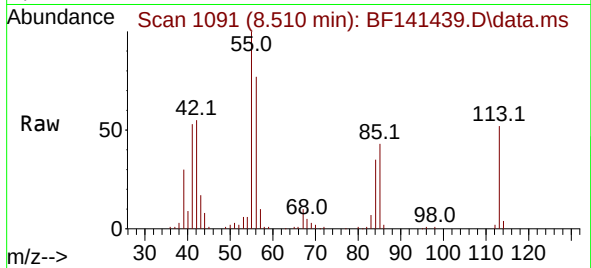
Tgt Ion:225 Resp: 136347  
Ion Ratio Lower Upper  
225 100  
223 61.1 50.4 75.6  
227 64.3 51.3 76.9





#35  
Caprolactam  
Concen: 46.162 ng m  
RT: 8.510 min Scan# 1109  
Delta R.T. -0.035 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

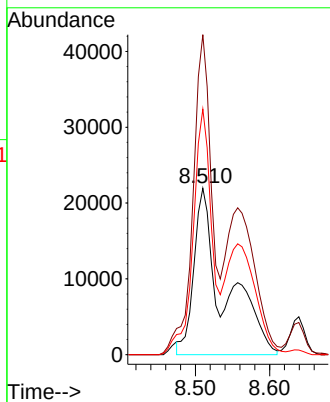
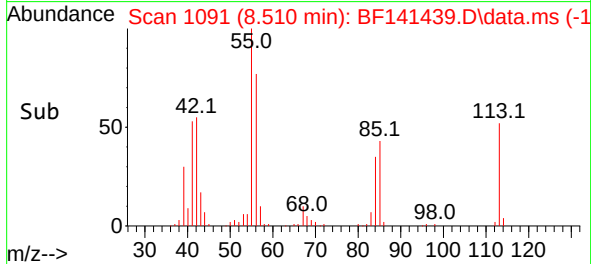
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:113 Resp: 6220  
Ion Ratio Lower Upper  
113 100  
55 192.3 182.9 222.9  
56 147.6 127.9 167.9

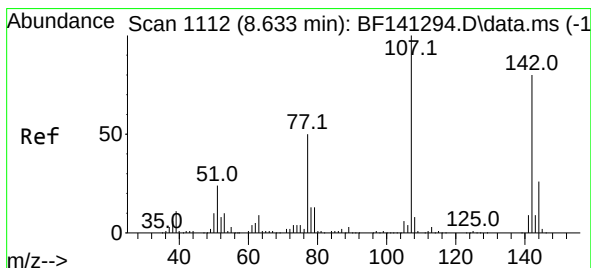
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Supervised By :mohammad ahmed 02/06/2025



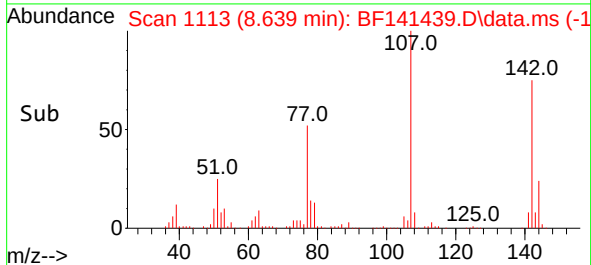
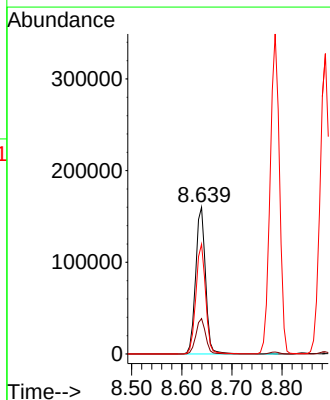
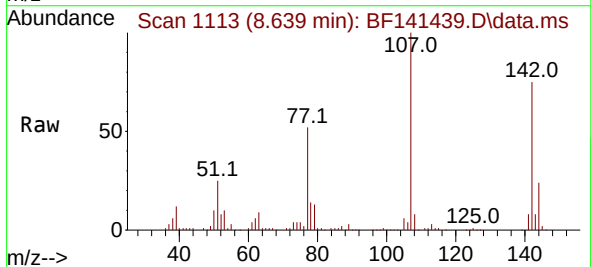
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ahmed

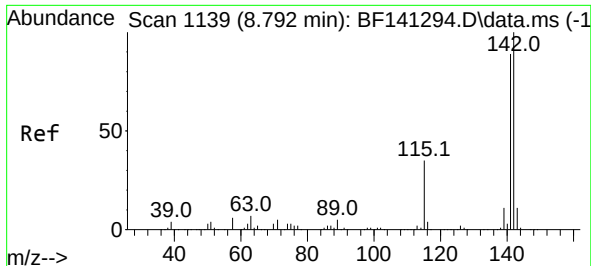
02/06/2025



#36  
4-Chloro-3-methylphenol  
Concen: 49.249 ng  
RT: 8.639 min Scan# 1113  
Delta R.T. -0.000 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:107 Resp: 217975  
Ion Ratio Lower Upper  
107 100  
144 24.2 20.7 31.1  
142 74.8 63.8 95.8





#37  
2-Methylnaphthalene  
Concen: 46.970 ng  
RT: 8.786 min Scan# 1138  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

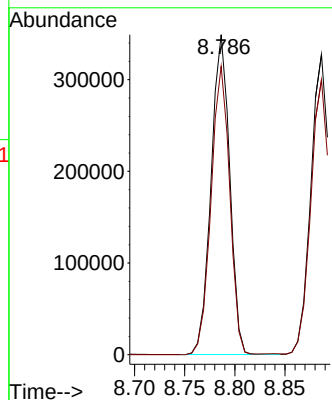
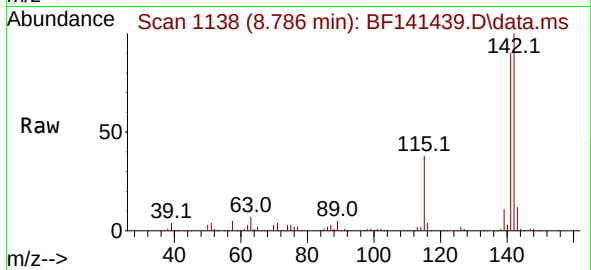
Tgt Ion:142 Resp: 450449  
Ion Ratio Lower Upper  
142 100  
141 90.1 71.3 106.9

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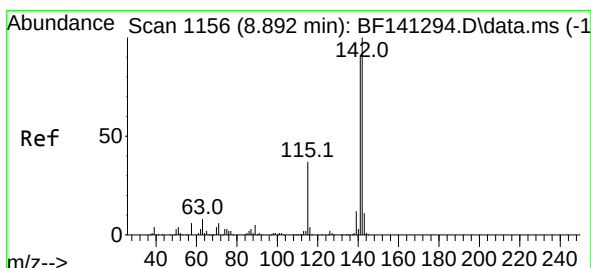
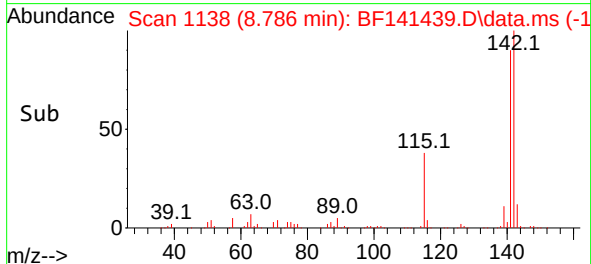
Supervised By :mohammad ahmed 02/06/2025



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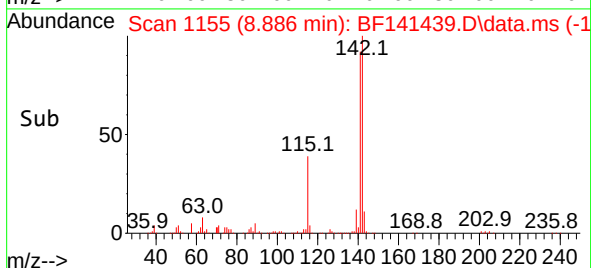
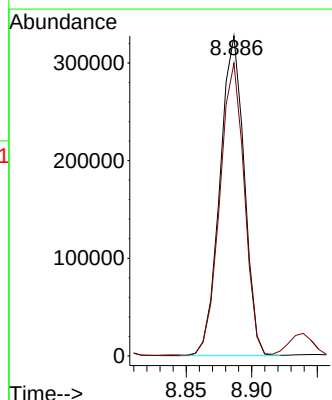
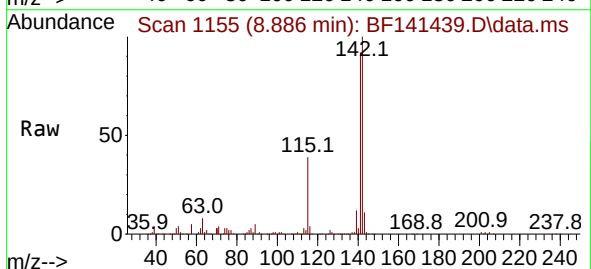
Supervised By :mohammad  
ahmed

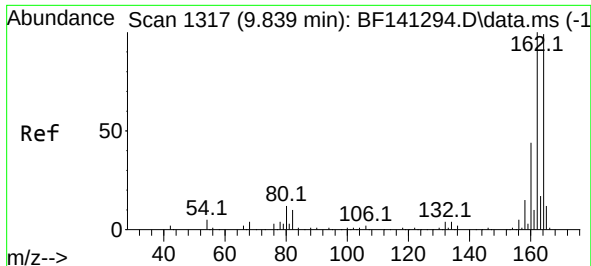
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#38  
1-Methylnaphthalene  
Concen: 44.773 ng  
RT: 8.886 min Scan# 1155  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

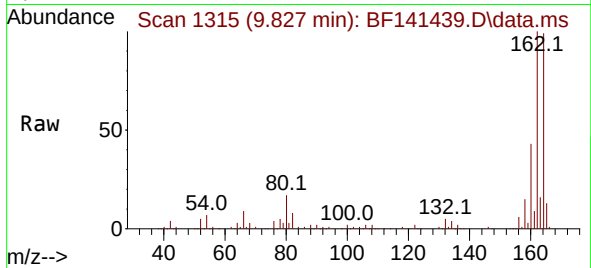
Tgt Ion:142 Resp: 421785  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.2 109.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.827 min Scan# 1165  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

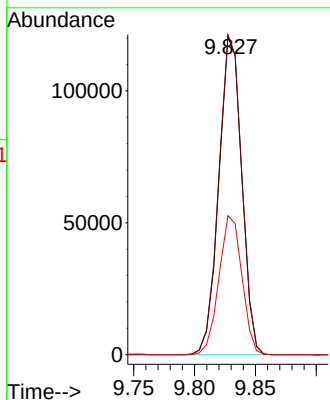
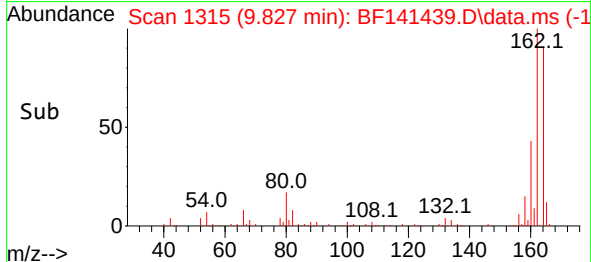
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:164 Resp: 15707  
Ion Ratio Lower Upper  
164 100  
162 100.6 80.6 121.0  
160 43.7 35.8 53.6

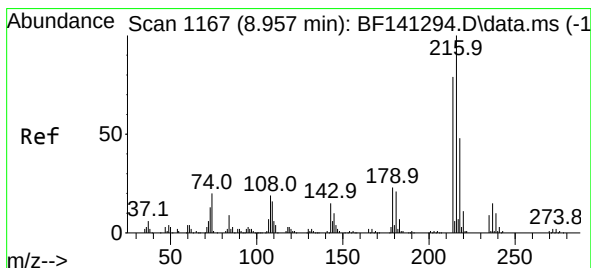
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025

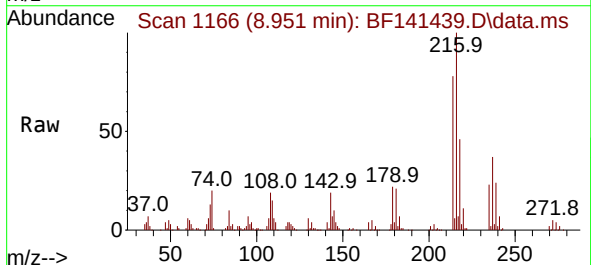


02/06/2025  
Supervised By :mohammad  
ahmed

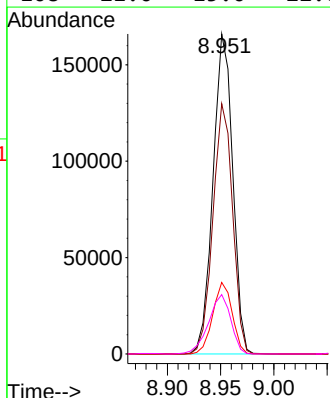
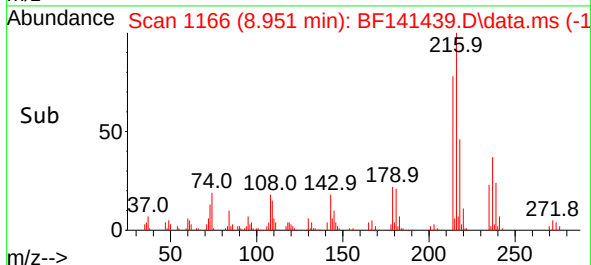
02/06/2025

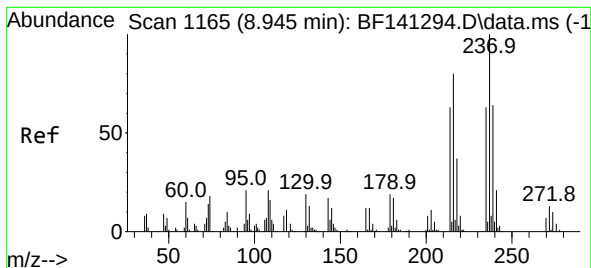


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.747 ng  
RT: 8.951 min Scan# 1166  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:216 Resp: 213361  
Ion Ratio Lower Upper  
216 100  
214 78.1 63.2 94.8  
179 22.0 17.8 26.8  
108 21.0 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 184.182 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

Tgt Ion:237 Resp: 24306

Ion Ratio Lower Upper

237 100

235 62.3 42.9 82.9

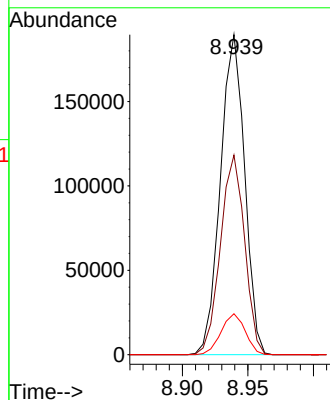
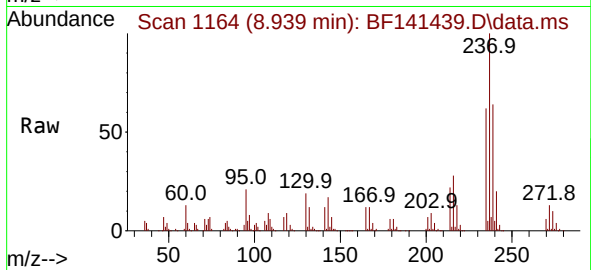
272 12.8 0.0 32.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

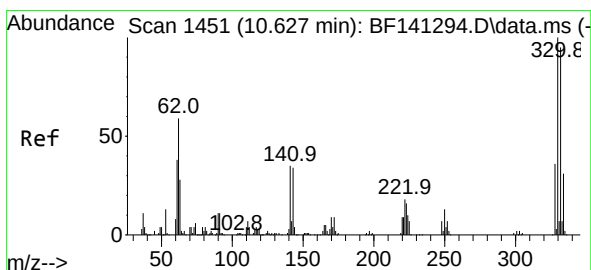
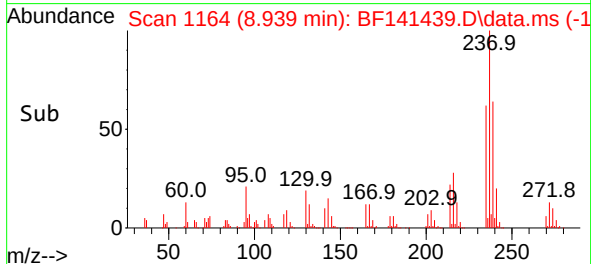
Supervised By :mohammad ahmed 02/06/2025



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Supervised By :mohammad  
ahmed

02/06/2025



#42

2,4,6-Tribromophenol

Concen: 154.841 ng

RT: 10.622 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

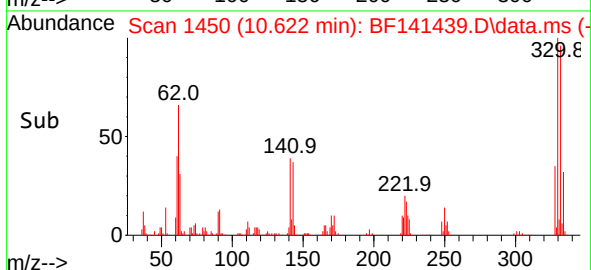
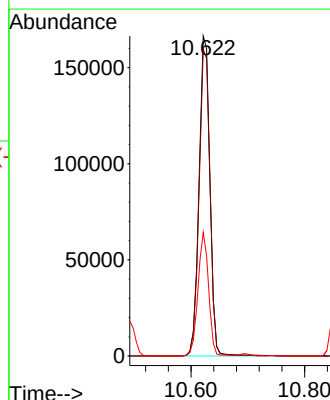
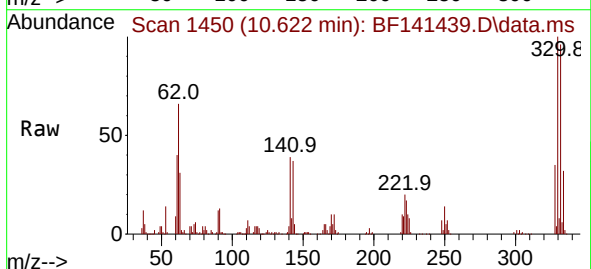
Tgt Ion:330 Resp: 222970

Ion Ratio Lower Upper

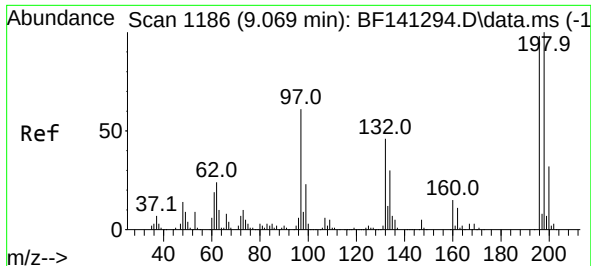
330 100

332 95.7 76.1 114.1

141 37.4 28.8 43.2

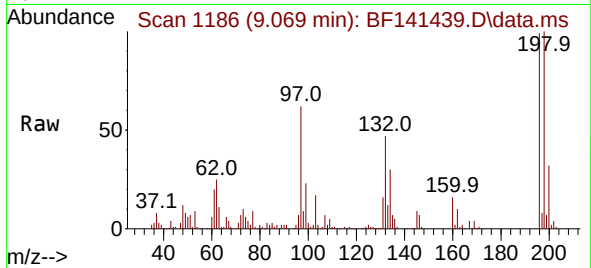






#43  
2,4,6-Trichlorophenol  
Concen: 47.690 ng  
RT: 9.069 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

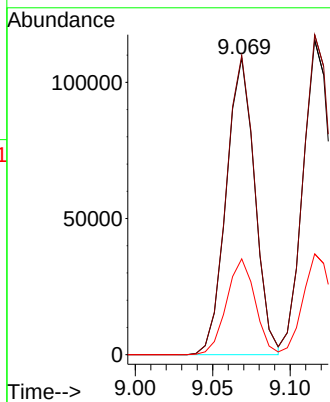
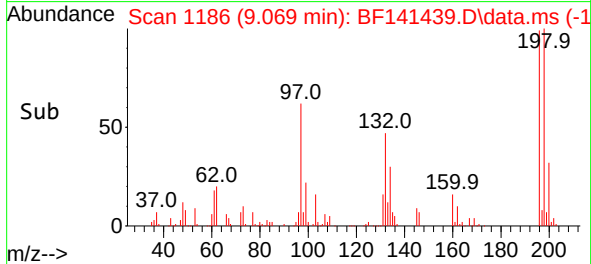
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:196 Resp: 139484  
Ion Ratio Lower Upper  
196 100  
198 100.9 81.8 122.6  
200 32.3 26.3 39.5

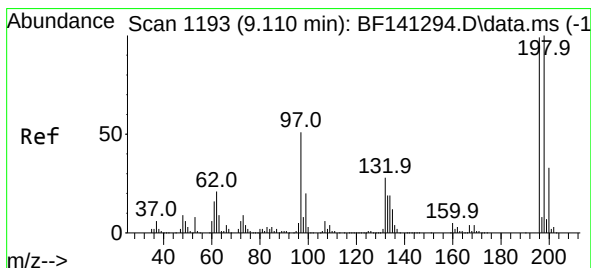
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025

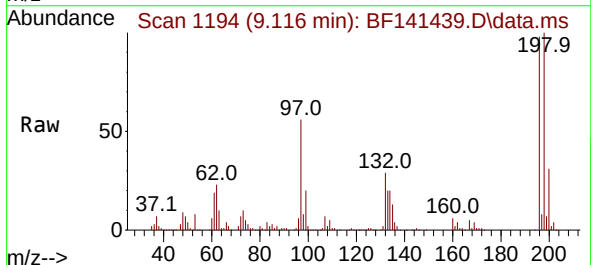


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Supervised By :mohammad  
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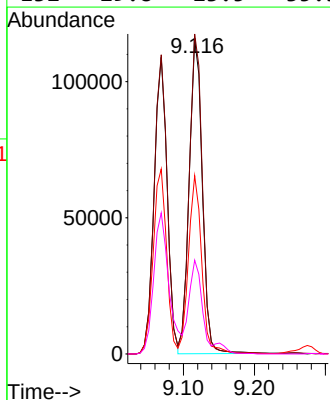
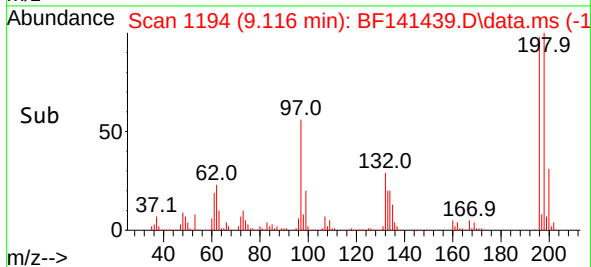
02/06/2025

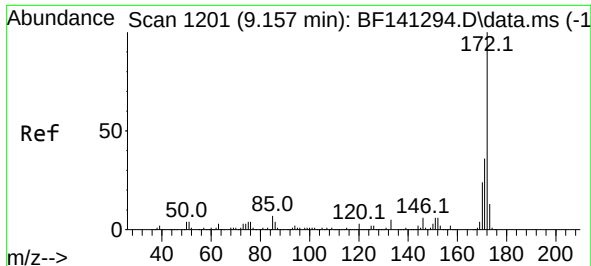


#44  
2,4,5-Trichlorophenol  
Concen: 46.613 ng  
RT: 9.116 min Scan# 1194  
Delta R.T. -0.000 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:196 Resp: 148386  
Ion Ratio Lower Upper  
196 100  
198 101.7 80.5 120.7  
97 56.7 42.8 64.2  
132 29.8 23.5 35.3





#45  
2-Fluorobiphenyl  
Concen: 93.540 ng  
RT: 9.151 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

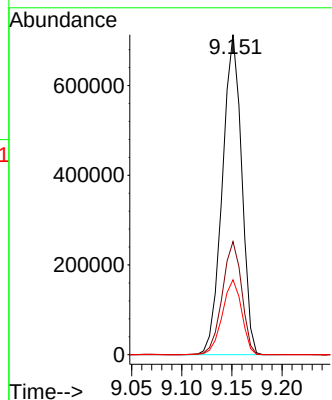
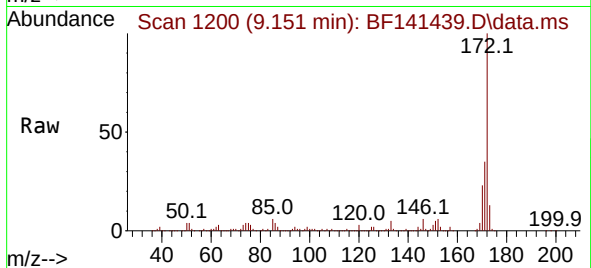
PB166294BS

Tgt Ion:172 Resp: 95457  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.8 43.2  
170 23.4 19.0 28.6

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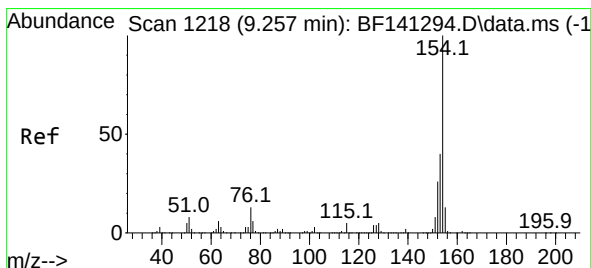
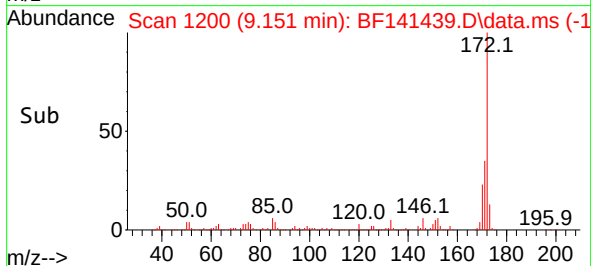
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Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



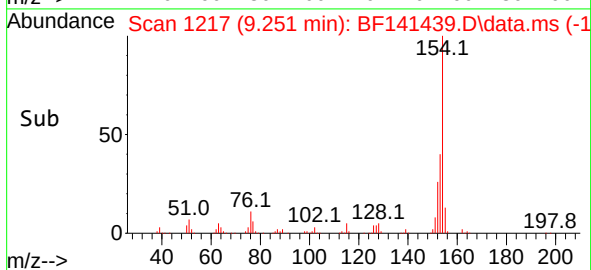
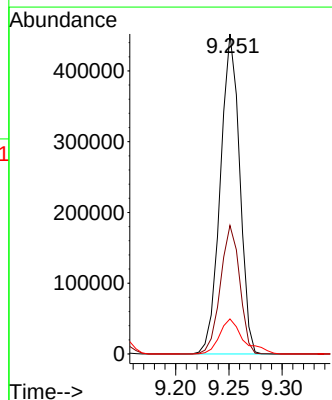
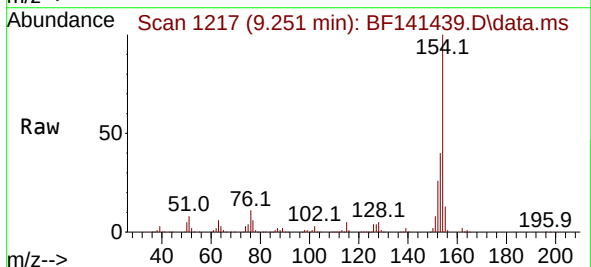
02/06/2025  
Supervised By :mohammad  
ahmed

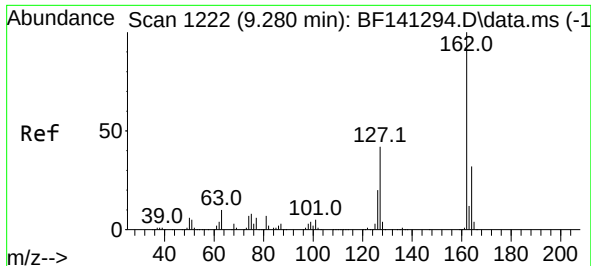
02/06/2025



#46  
1,1'-Biphenyl  
Concen: 46.418 ng  
RT: 9.251 min Scan# 1217  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:154 Resp: 568607  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.0 60.0  
76 11.0 0.0 32.8





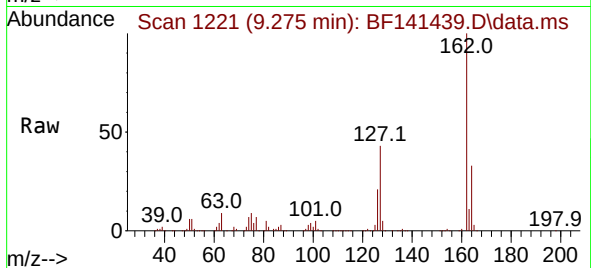
#47  
2-Chloronaphthalene  
Concen: 44.705 ng  
RT: 9.275 min Scan# 1222  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

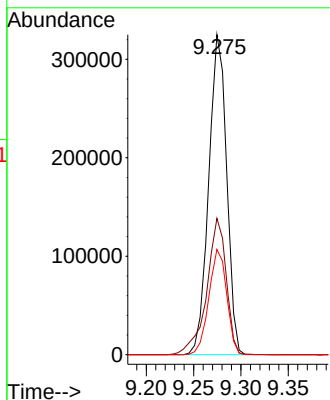
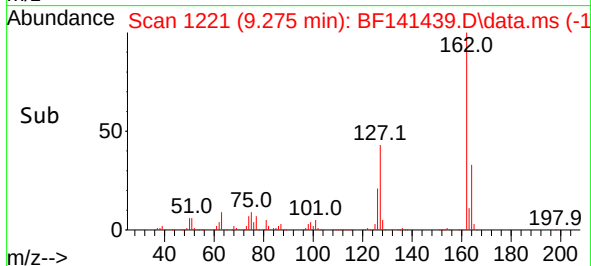
PB166294BS



Tgt Ion:162 Resp: 426849  
Ion Ratio Lower Upper  
162 100  
127 42.6 33.7 50.5  
164 32.9 25.9 38.9

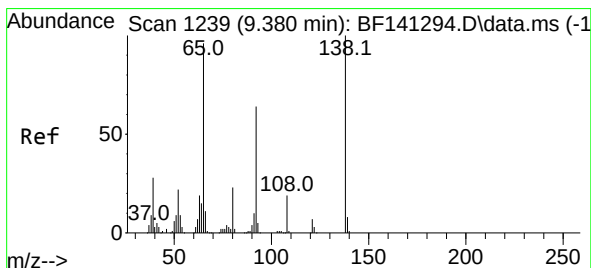
Manual Integrations  
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Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025

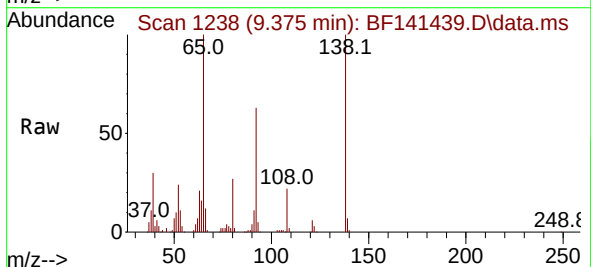


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Supervised By :mohammad  
ahmed

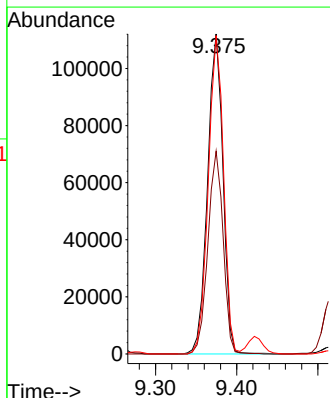
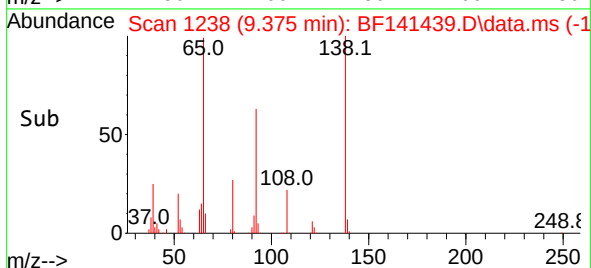
02/06/2025

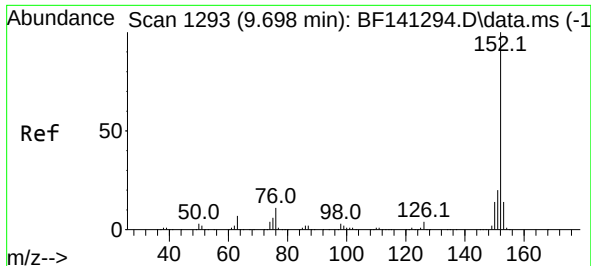


#48  
2-Nitroaniline  
Concen: 49.051 ng  
RT: 9.375 min Scan# 1238  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion: 65 Resp: 147311  
Ion Ratio Lower Upper  
65 100  
92 63.4 53.3 79.9  
138 99.5 83.6 125.4





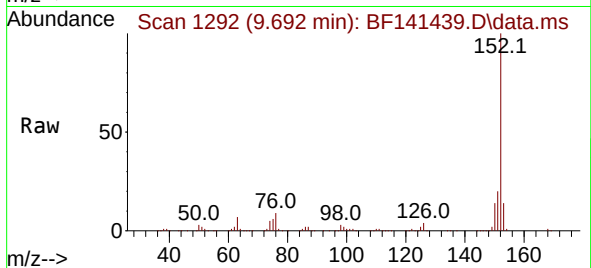
#49  
Acenaphthylene  
Concen: 49.100 ng  
RT: 9.692 min Scan# 1292  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS



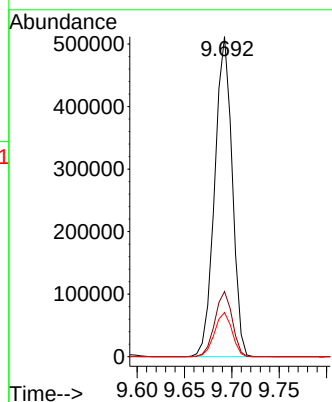
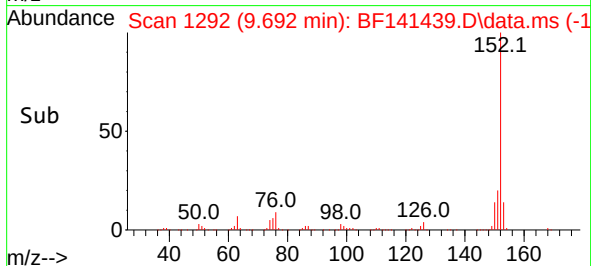
Tgt Ion:152 Resp: 656250  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.2  
153 13.8 11.0 16.6

Manual Integrations

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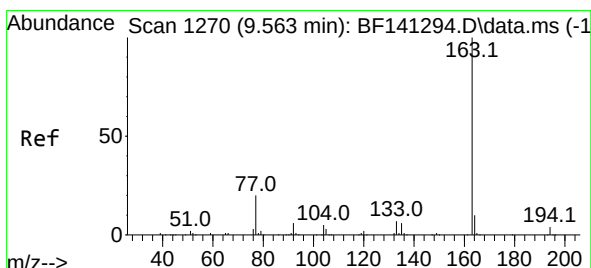
Supervised By :mohammad ahmed 02/06/2025



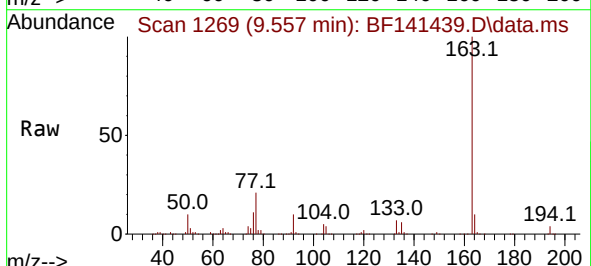
02/06/2025

Supervised By :mohammad  
ahmed

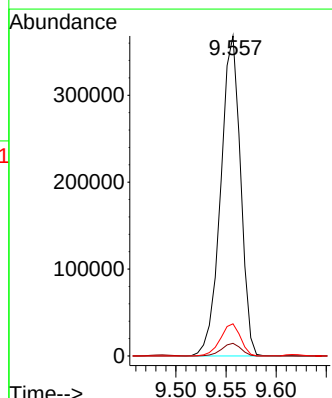
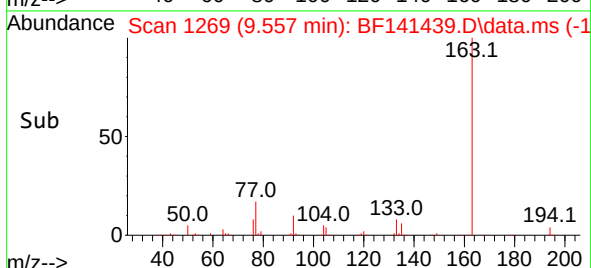
02/06/2025

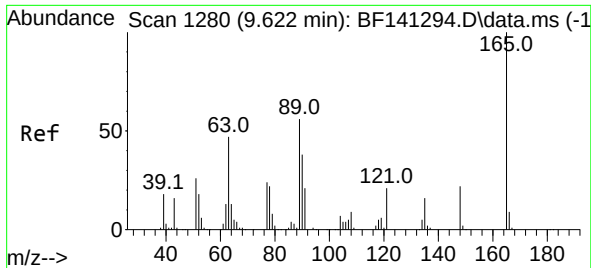


#50  
Dimethylphthalate  
Concen: 47.568 ng  
RT: 9.557 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:163 Resp: 504634  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.6  
164 10.0 8.0 12.0





#51  
2,6-Dinitrotoluene  
Concen: 44.859 ng  
RT: 9.616 min Scan# 110490  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

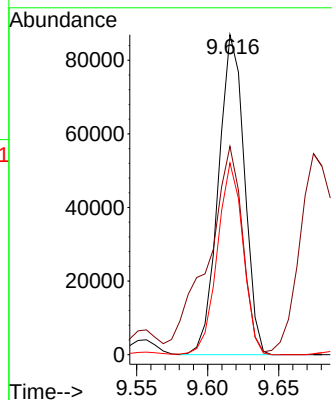
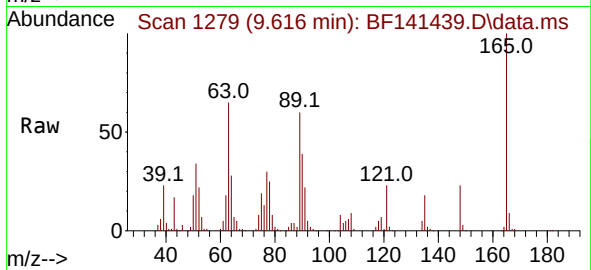
PB166294BS

Tgt Ion:165 Resp: 110490  
Ion Ratio Lower Upper  
165 100  
63 65.1 48.1 72.1  
89 59.9 44.9 67.3

Manual Integrations

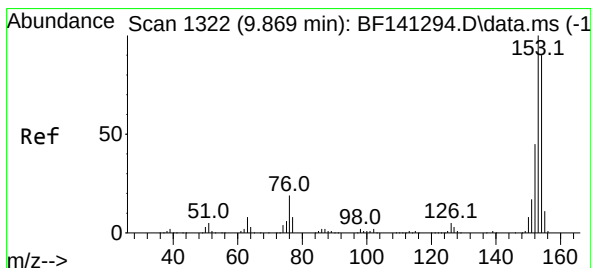
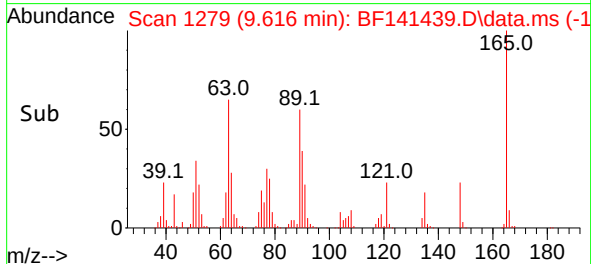
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



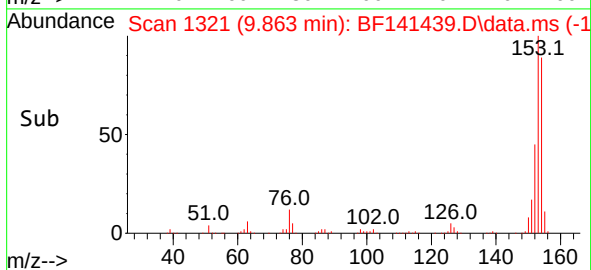
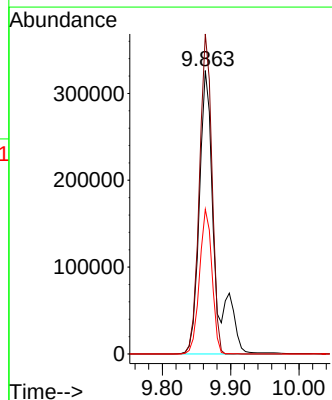
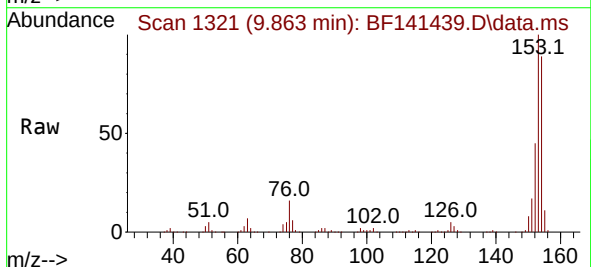
02/06/2025  
Supervised By :mohammad  
ahmed

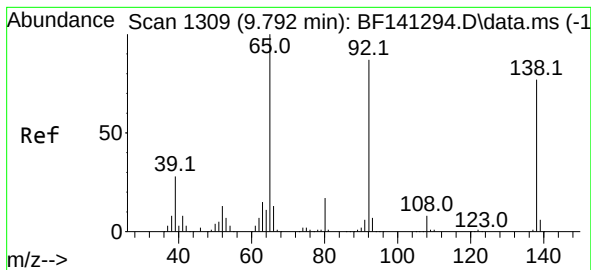
02/06/2025



#52  
Acenaphthene  
Concen: 53.490 ng m  
RT: 9.863 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:154 Resp: 510747  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.0 133.4  
152 51.0 40.2 60.4





#53  
3-Nitroaniline  
Concen: 27.076 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

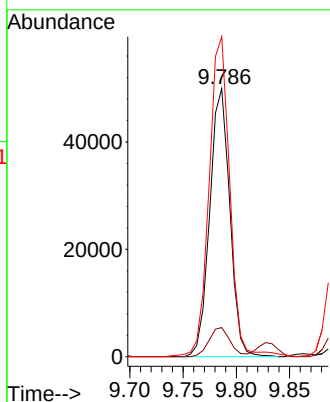
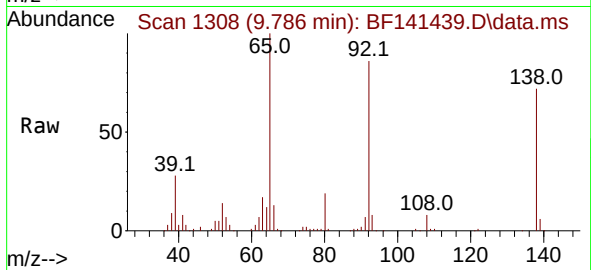
ClientSampleId :

PB166294BS

Tgt Ion:138 Resp: 6536  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.6 12.8  
92 119.4 91.0 136.6

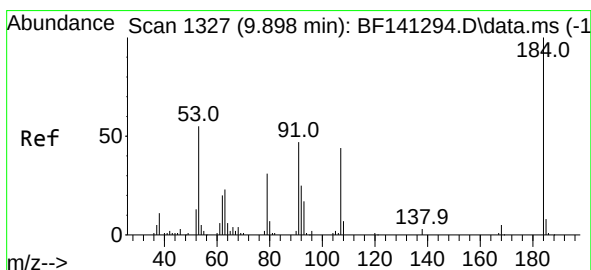
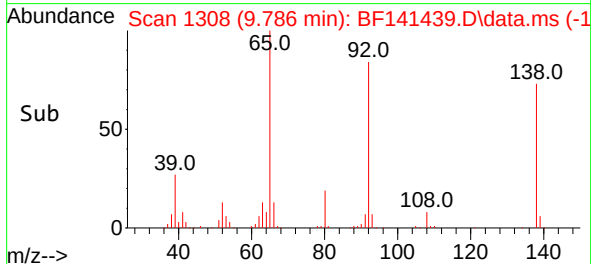
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



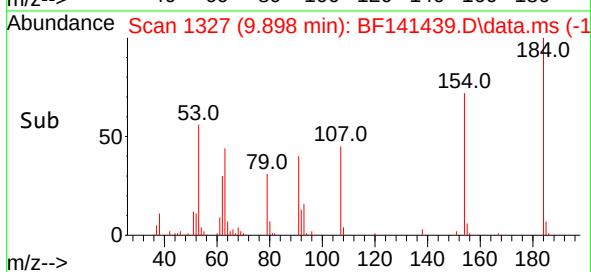
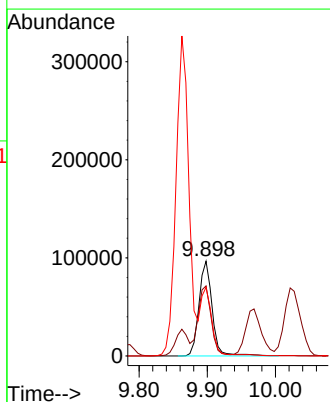
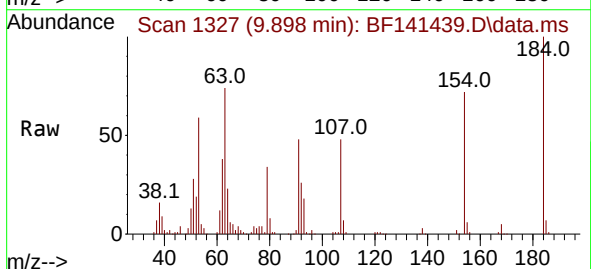
02/06/2025  
Supervised By :mohammad  
ahmed

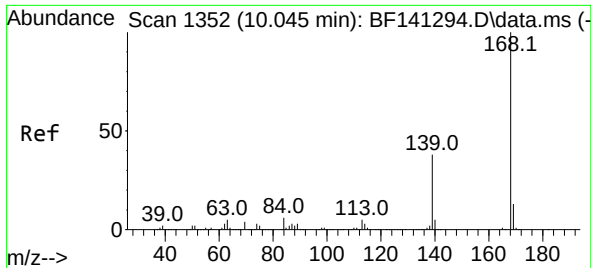
02/06/2025



#54  
2,4-Dinitrophenol  
Concen: 114.095 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

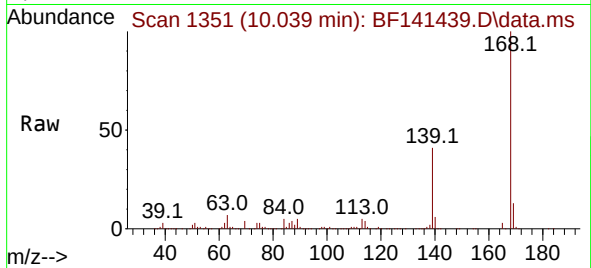
Tgt Ion:184 Resp: 130643  
Ion Ratio Lower Upper  
184 100  
63 74.1 54.1 81.1  
154 72.5 50.7 76.1





#55  
Dibenzenofuran  
Concen: 47.164 ng  
RT: 10.039 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

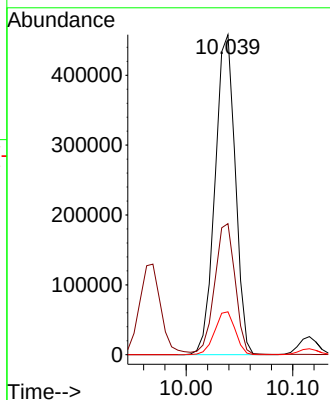
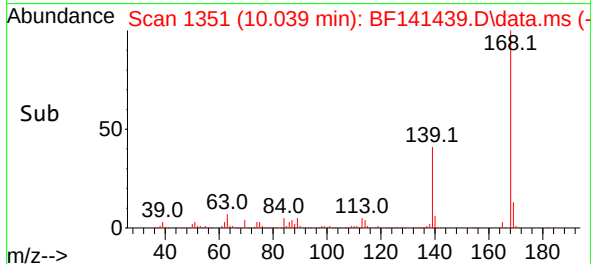
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:168 Resp: 60280  
Ion Ratio Lower Upper  
168 100  
139 41.0 30.6 46.0  
169 13.4 10.8 16.2

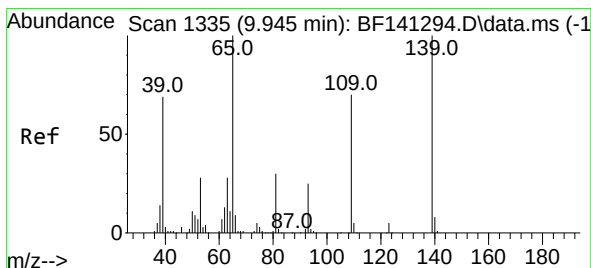
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



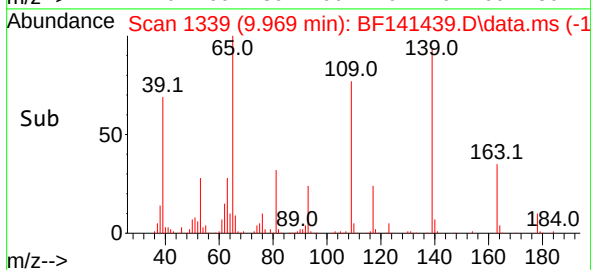
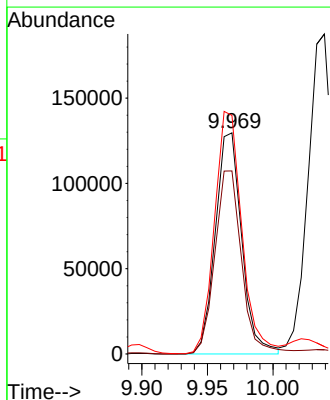
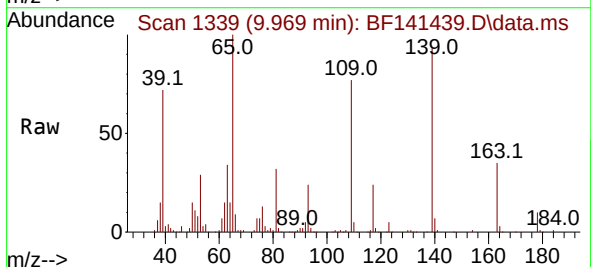
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ahmed

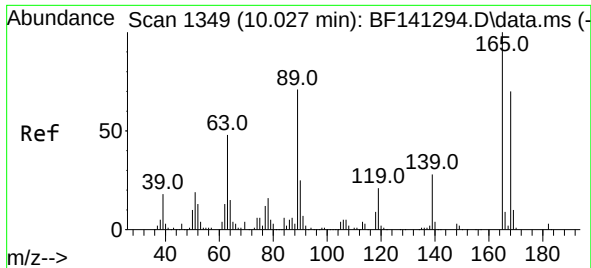
02/06/2025



#56  
4-Nitrophenol  
Concen: 102.840 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. 0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 181575  
Ion Ratio Lower Upper  
139 100  
109 82.8 50.2 90.2  
65 107.9 80.6 120.6





#57  
2,4-Dinitrotoluene  
Concen: 49.490 ng  
RT: 10.022 min Scan# 1409  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

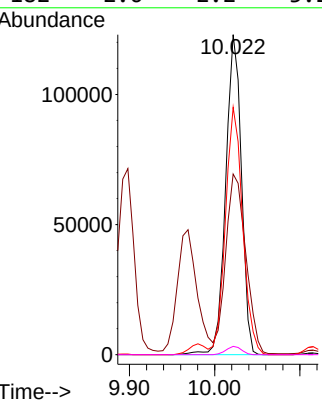
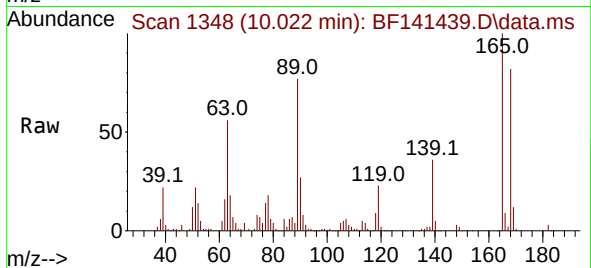
ClientSampleId :

PB166294BS

Tgt Ion:165 Resp: 15783  
Ion Ratio Lower Upper  
165 100  
63 56.4 39.2 58.8  
89 77.3 56.9 85.3  
182 2.6 2.2 3.2

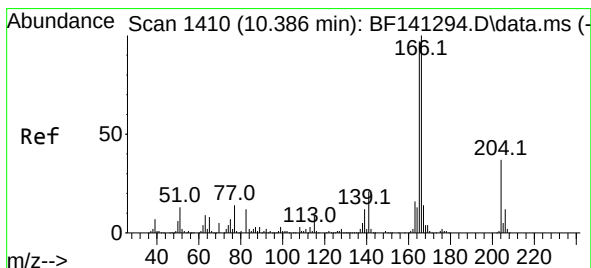
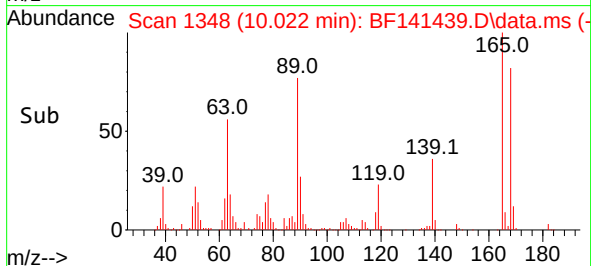
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Supervised By :mohammad ahmed 02/06/2025



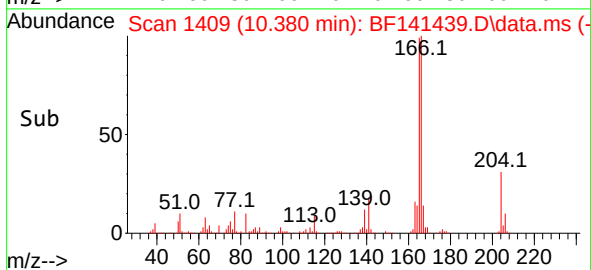
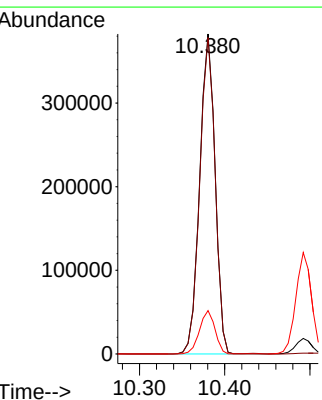
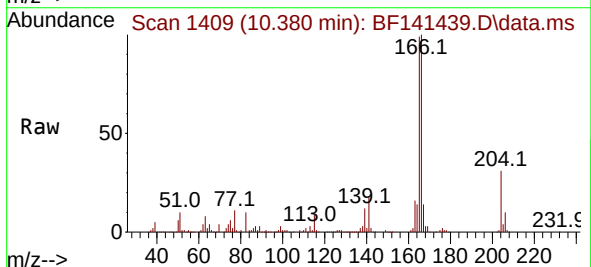
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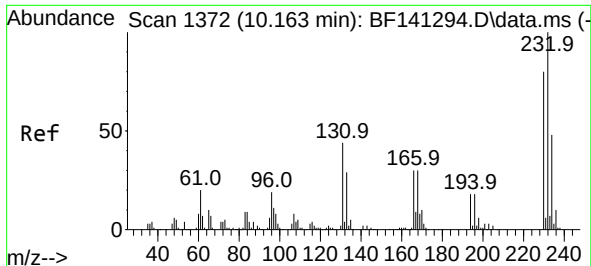


#58  
Fluorene  
Concen: 48.663 ng  
RT: 10.380 min Scan# 1409  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:166 Resp: 482443  
Ion Ratio Lower Upper  
166 100  
165 98.9 77.5 116.3  
167 13.5 10.9 16.3

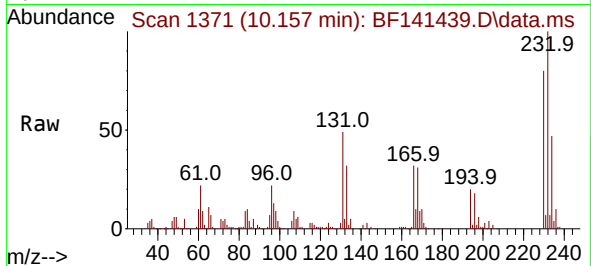






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 51.336 ng m  
RT: 10.157 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

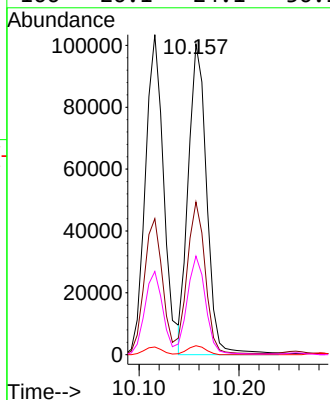
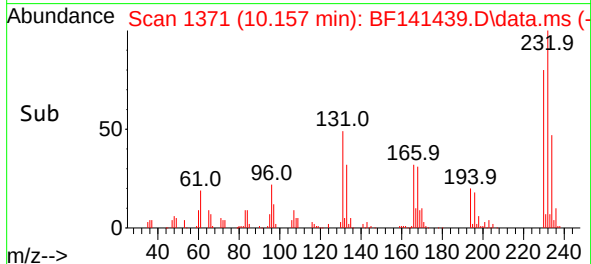
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:232 Resp: 12856  
Ion Ratio Lower Upper  
232 100  
131 43.3 36.4 54.6  
130 2.5 1.9 2.9  
166 26.1 24.1 36.1

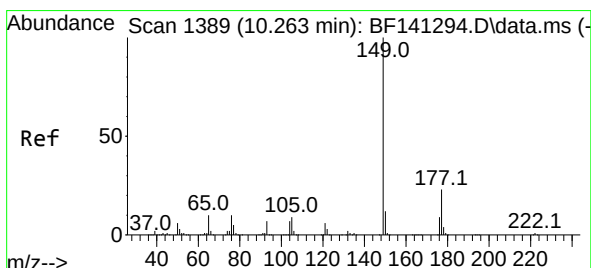
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Supervised By :mohammad ahmed 02/06/2025



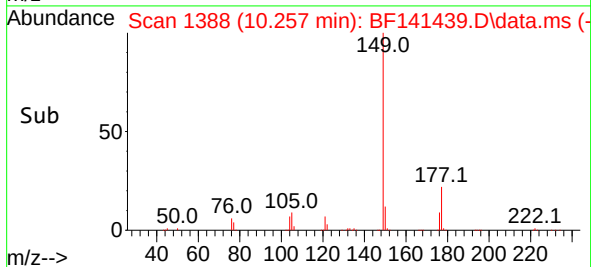
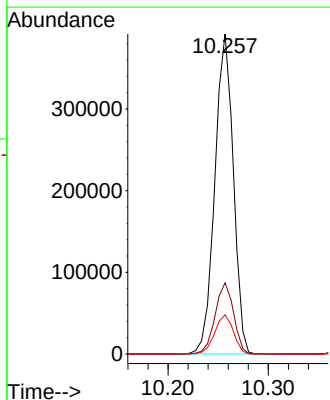
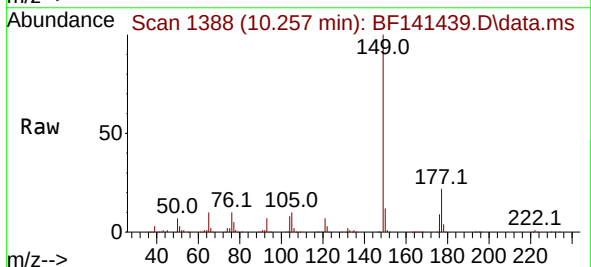
02/06/2025  
Supervised By :mohammad  
ahmed

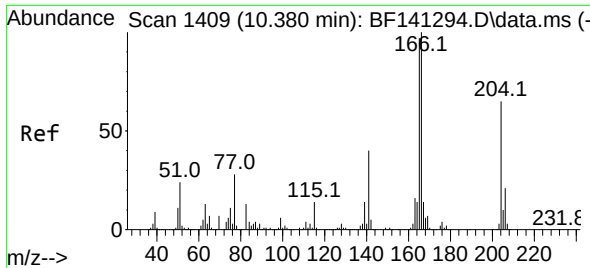
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#60  
Diethylphthalate  
Concen: 48.702 ng  
RT: 10.257 min Scan# 1388  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 500958  
Ion Ratio Lower Upper  
149 100  
177 22.2 18.5 27.7  
150 12.3 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 48.279 ng  
RT: 10.374 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

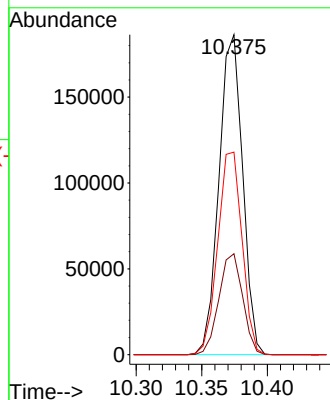
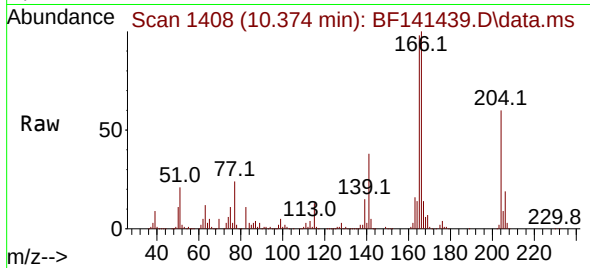
ClientSampleId :

PB166294BS

Tgt Ion:204 Resp: 23380  
Ion Ratio Lower Upper  
204 100  
206 31.5 25.9 38.9  
141 63.3 49.5 74.3

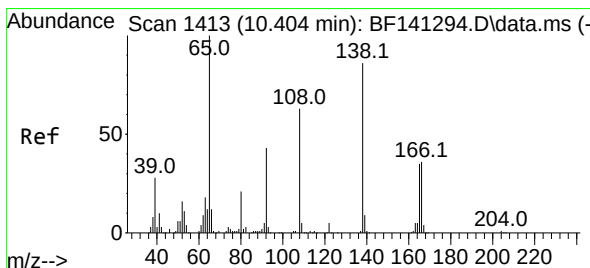
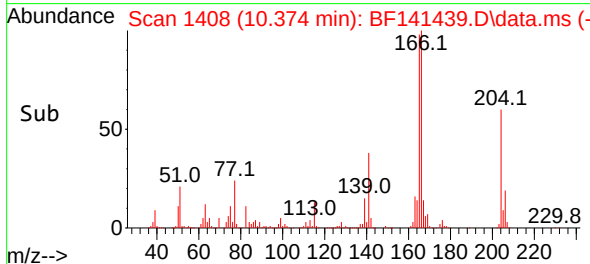
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Supervised By :mohammad ahmed 02/06/2025



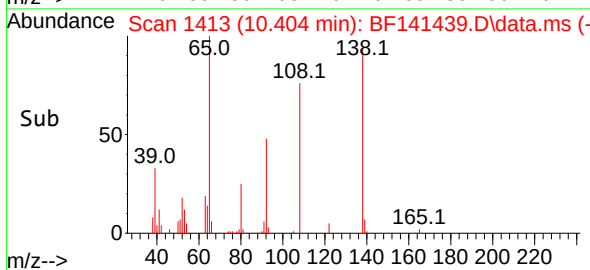
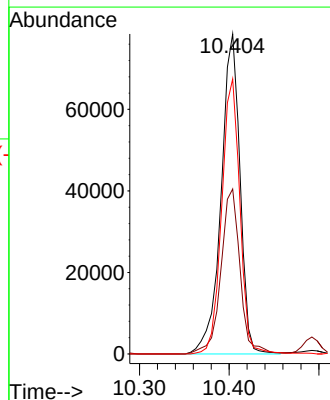
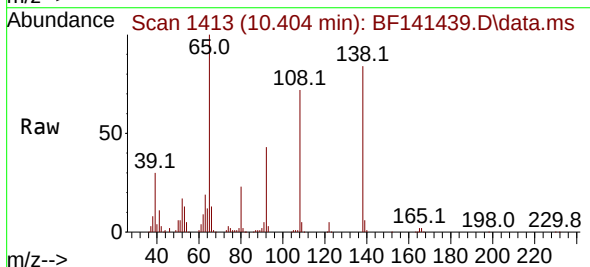
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ahmed

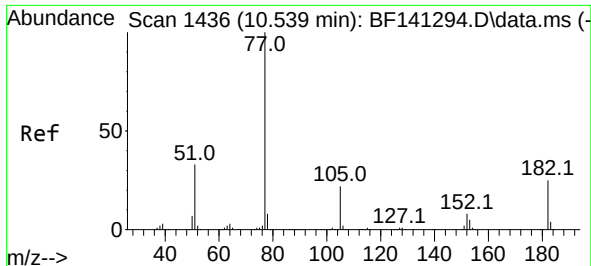
02/06/2025



#62  
4-Nitroaniline  
Concen: 48.402 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:138 Resp: 114882  
Ion Ratio Lower Upper  
138 100  
92 51.6 30.1 70.1  
108 85.9 53.1 93.1





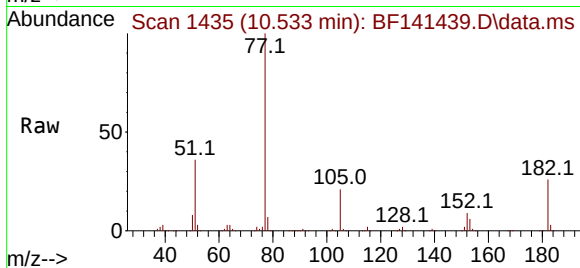
#63  
Azobenzene  
Concen: 46.750 ng  
RT: 10.533 min Scan# 1435  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS



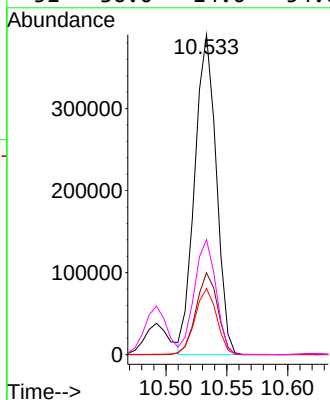
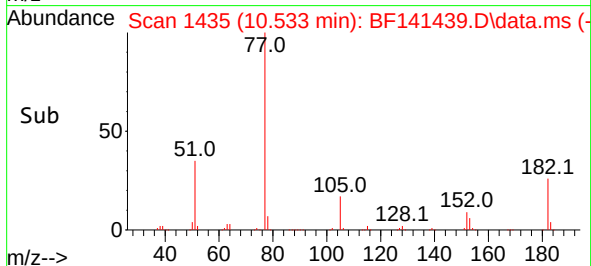
Tgt Ion: 77 Resp: 481359  
Ion Ratio Lower Upper  
77 100  
182 25.6 5.1 45.1  
105 20.7 1.8 41.8  
51 36.0 14.0 54.0

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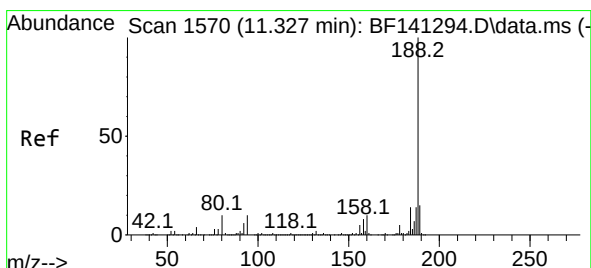
Supervised By :mohammad ahmed 02/06/2025



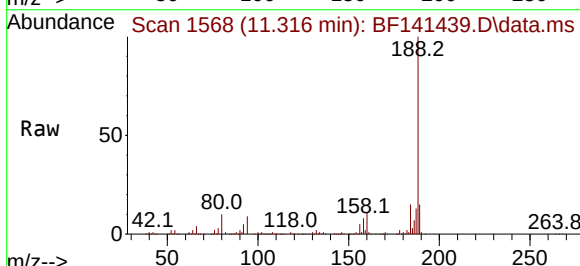
02/06/2025

Supervised By :mohammad  
ahmed

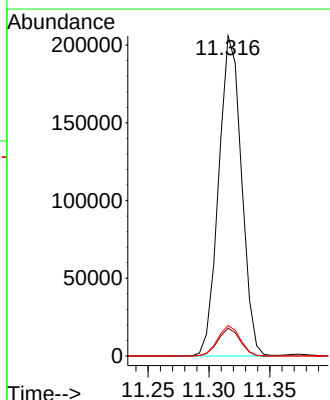
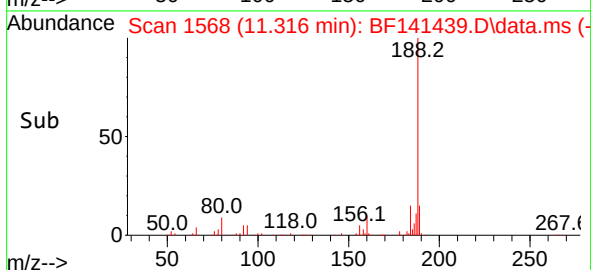
02/06/2025

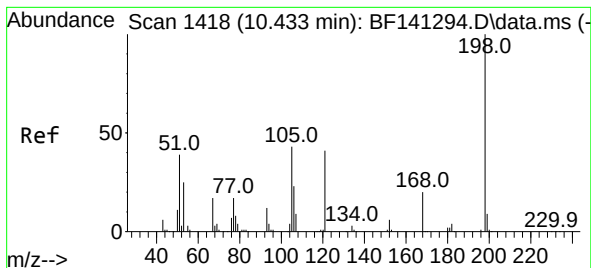


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1568  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:188 Resp: 268815  
Ion Ratio Lower Upper  
188 100  
94 8.6 7.8 11.6  
80 9.5 8.2 12.4





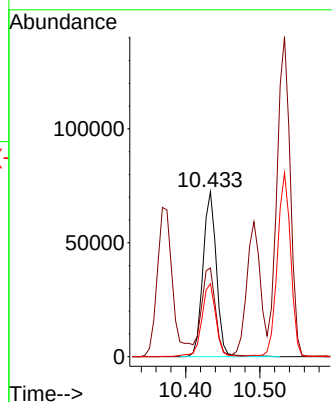
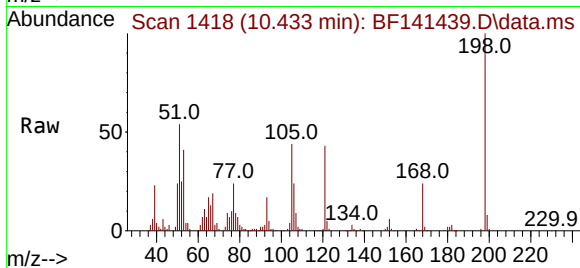
#65  
4,6-Dinitro-2-methylphenol  
Concen: 57.286 ng  
RT: 10.433 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS

Tgt Ion:198 Resp: 9108  
Ion Ratio Lower Upper  
198 100  
51 53.8 33.4 73.4  
105 44.3 24.4 64.4

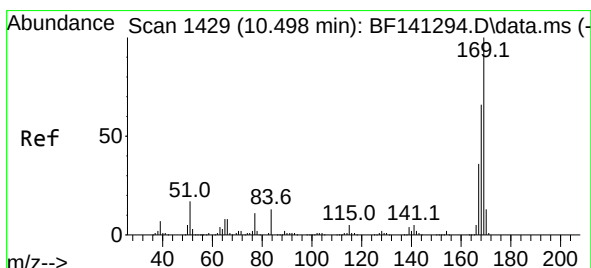
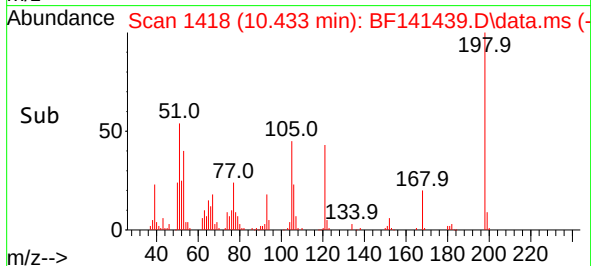
Manual Integrations  
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Supervised By :mohammad ahmed 02/06/2025



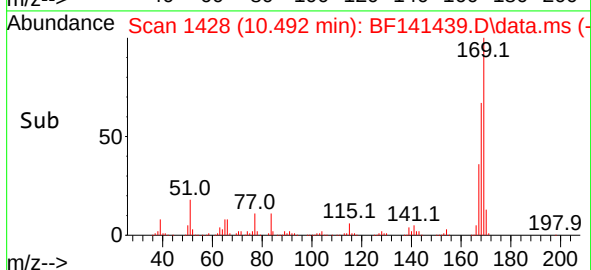
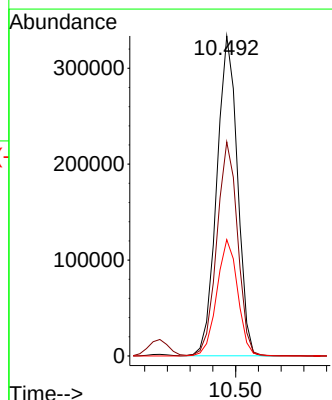
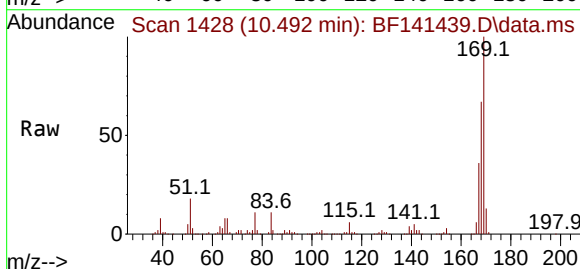
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Supervised By :mohammad  
ahmed

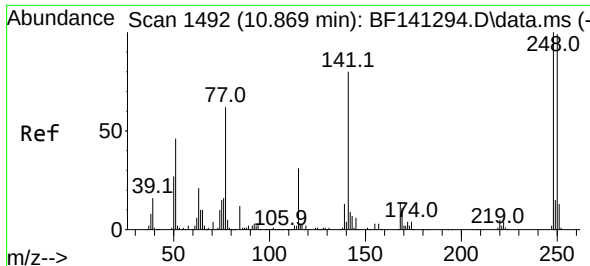
02/06/2025



#66  
n-Nitrosodiphenylamine  
Concen: 48.468 ng  
RT: 10.492 min Scan# 1428  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

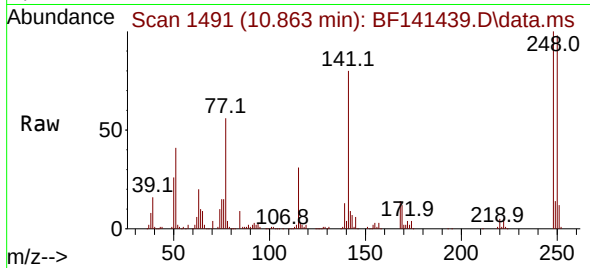
Tgt Ion:169 Resp: 421404  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.0 79.4  
167 36.4 28.8 43.2





#67  
4-Bromophenyl-phenylether  
Concen: 48.415 ng  
RT: 10.863 min Scan# 1491  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

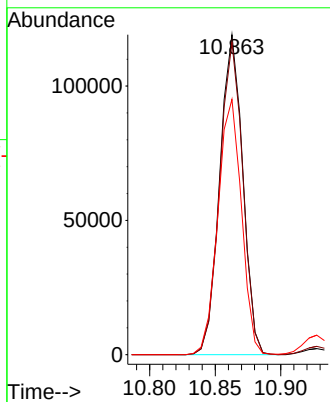
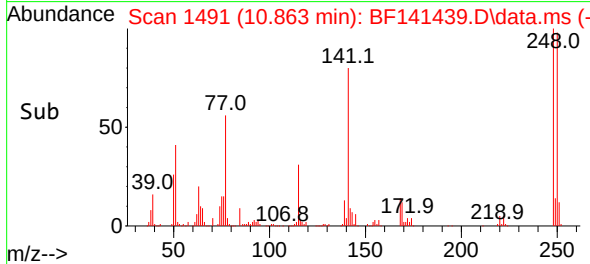
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:248 Resp: 145700  
Ion Ratio Lower Upper  
248 100  
250 97.6 79.0 118.4  
141 79.8 63.7 95.5

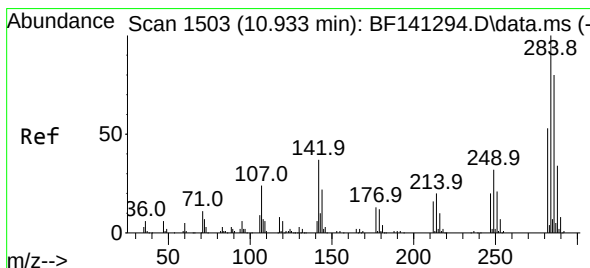
Manual Integrations  
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Supervised By :mohammad ahmed 02/06/2025

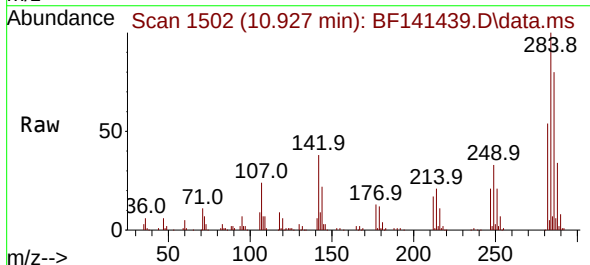


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Supervised By :mohammad  
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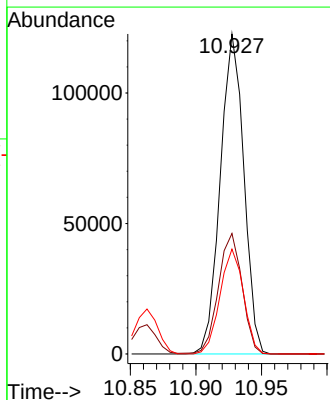
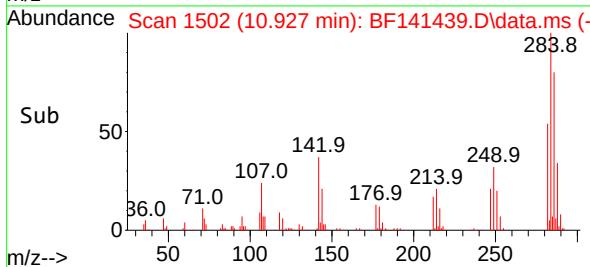
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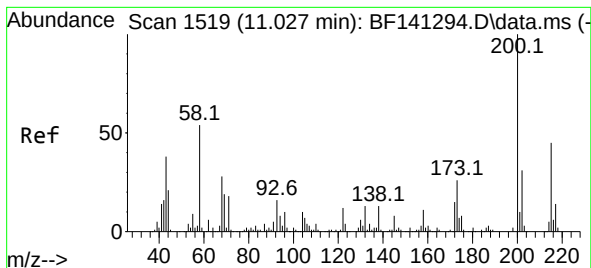


#68  
Hexachlorobenzene  
Concen: 47.936 ng  
RT: 10.927 min Scan# 1502  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:284 Resp: 153026  
Ion Ratio Lower Upper  
284 100  
142 37.7 29.5 44.3  
249 32.7 25.4 38.2





#69

Atrazine

Concen: 52.417 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

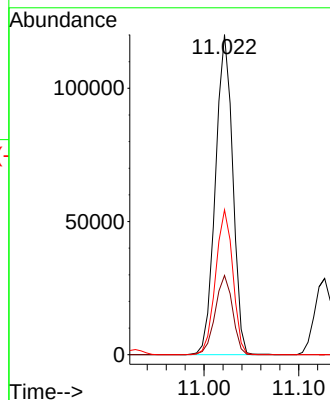
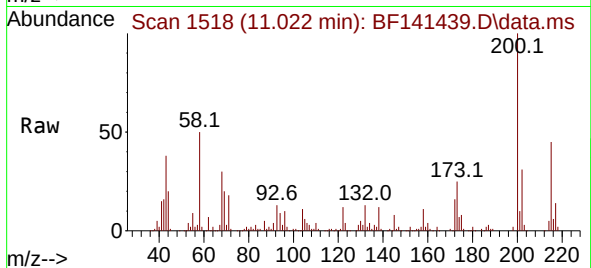
Tgt Ion:200 Resp: 152370  
 Ion Ratio Lower Upper  
 200 100  
 173 24.8 5.9 45.9  
 215 45.2 25.2 65.2

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Reviewed By :Yogesh Patel 02/06/2025

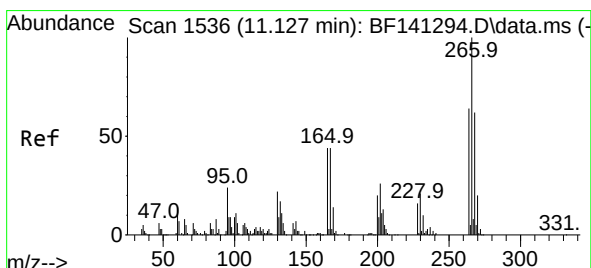
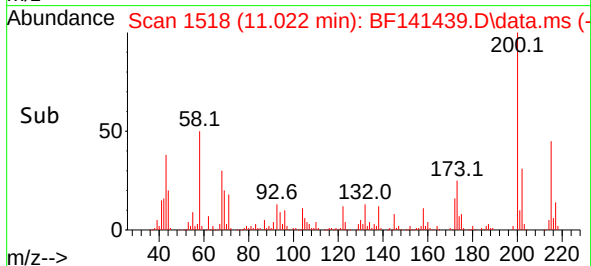
Supervised By :mohammad ahmed 02/06/2025



02/06/2025

Supervised By :mohammad  
ahmed

02/06/2025



#70

Pentachlorophenol

Concen: 103.538 ng

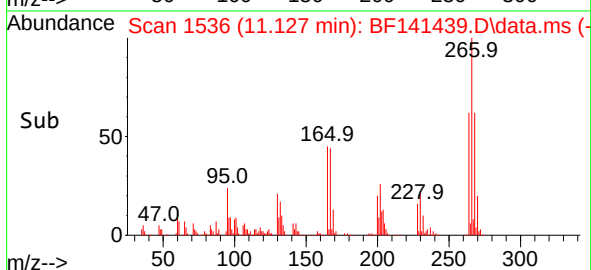
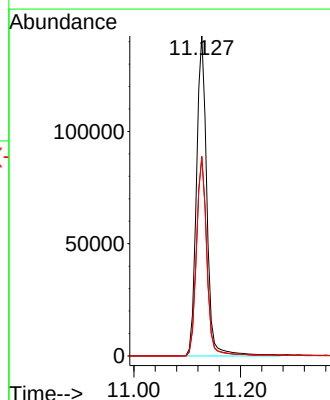
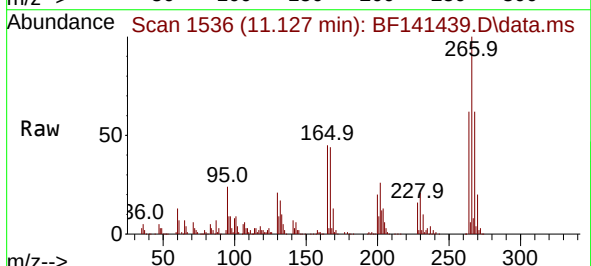
RT: 11.127 min Scan# 1536

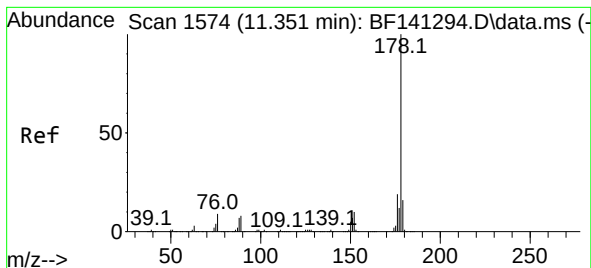
Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:266 Resp: 193550  
 Ion Ratio Lower Upper  
 266 100  
 268 62.4 49.9 74.9  
 264 62.1 51.0 76.4





#71

Phenanthrene

Concen: 51.479 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

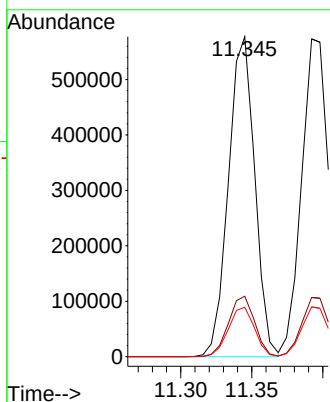
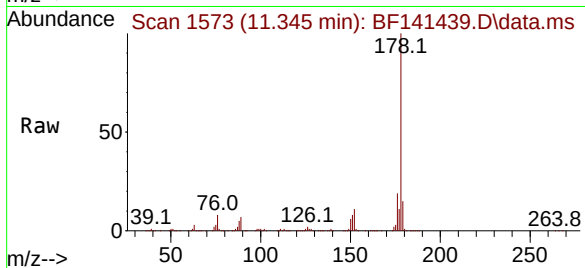
Tgt Ion:178 Resp: 74387  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.3 22.9  
 179 15.5 12.5 18.7

Manual Integrations

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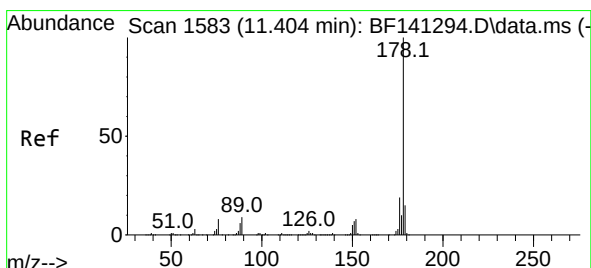
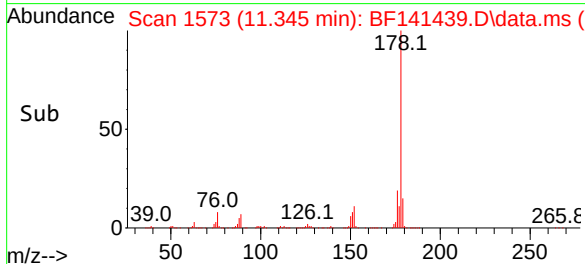
Supervised By :mohammad ahmed 02/06/2025



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Supervised By :mohammad  
ahmed

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#72

Anthracene

Concen: 53.540 ng

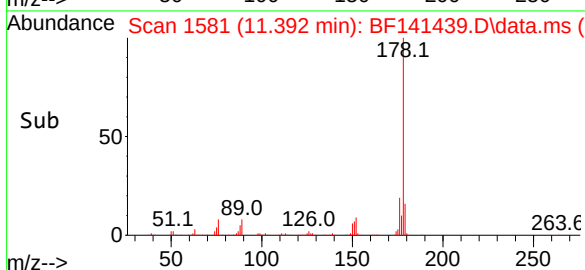
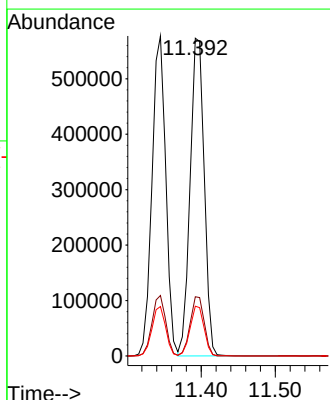
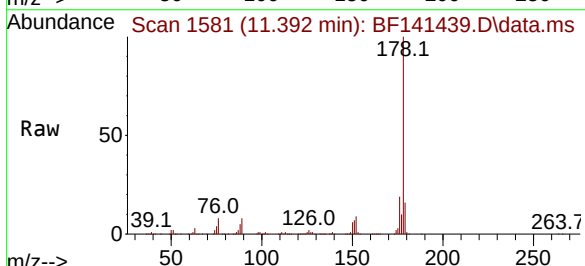
RT: 11.392 min Scan# 1581

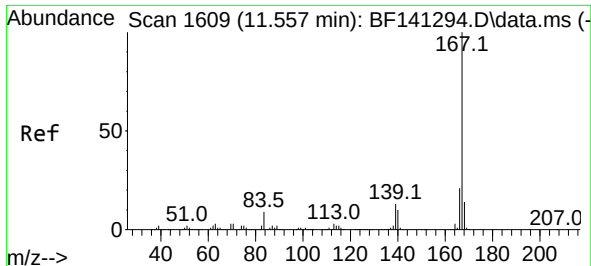
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

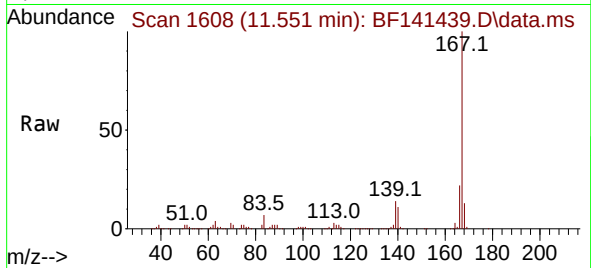
Tgt Ion:178 Resp: 758044  
 Ion Ratio Lower Upper  
 178 100  
 176 18.6 15.0 22.6  
 179 15.7 12.3 18.5





#73  
 Carbazole  
 Concen: 52.983 ng  
 RT: 11.551 min Scan# 1609  
 Delta R.T. -0.006 min  
 Lab File: BF141439.D  
 Acq: 05 Feb 2025 11:47

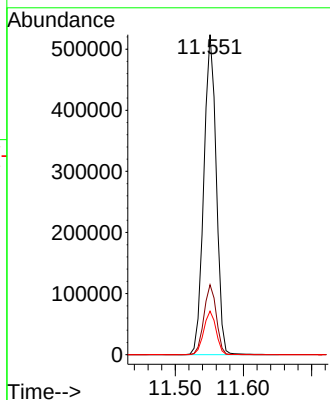
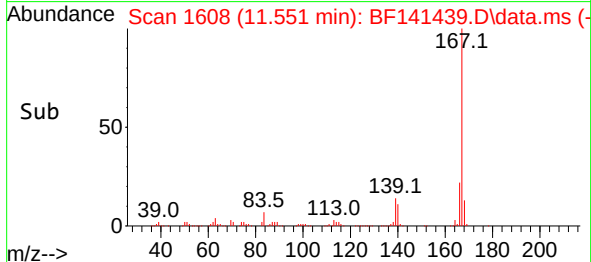
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166294BS



Tgt Ion:167 Resp: 665174  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.0 25.6  
 139 13.6 10.6 16.0

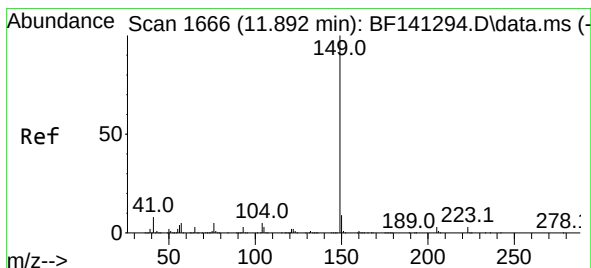
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
 Supervised By :mohammad ahmed 02/06/2025

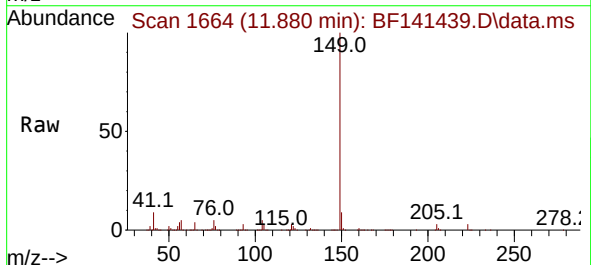


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 ahmed

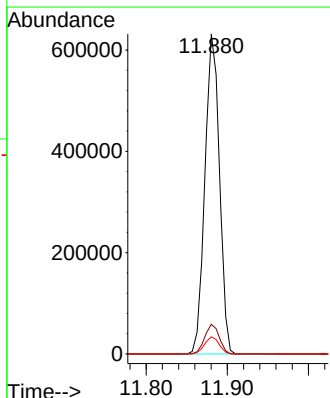
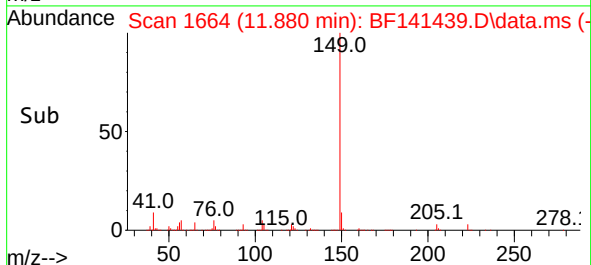
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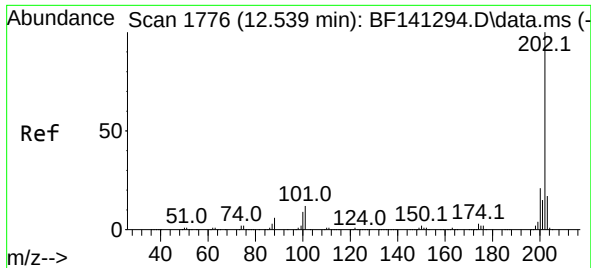
#74  
 Di-n-butylphthalate  
 Concen: 51.494 ng  
 RT: 11.880 min Scan# 1664  
 Delta R.T. -0.012 min  
 Lab File: BF141439.D  
 Acq: 05 Feb 2025 11:47



Tgt Ion:149 Resp: 783458  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.2  
 104 5.4 3.9 5.9







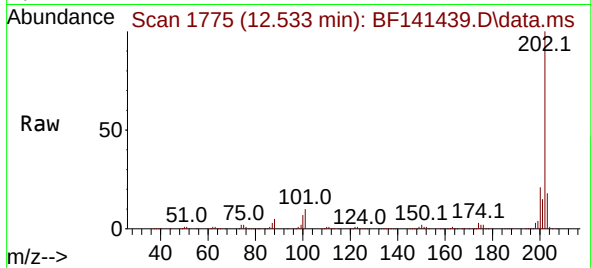
#75  
Fluoranthene  
Concen: 55.552 ng  
RT: 12.533 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS



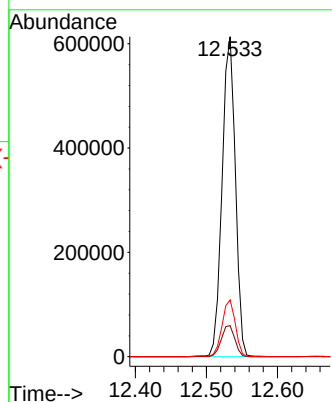
Tgt Ion:202 Resp: 792604  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 31.7  
203 17.8 0.0 37.5

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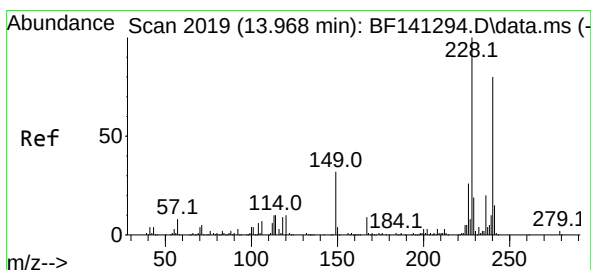
Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



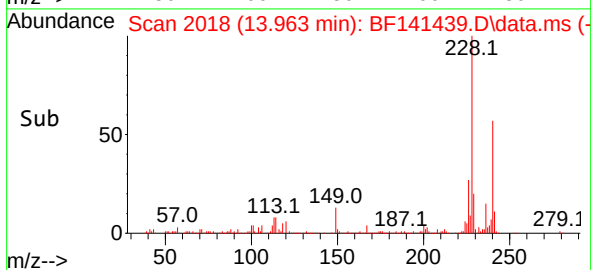
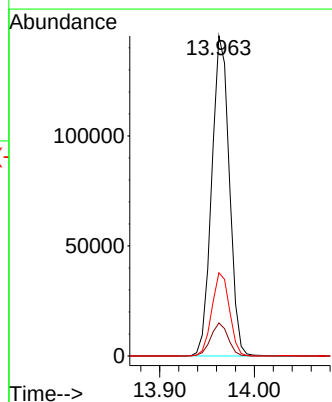
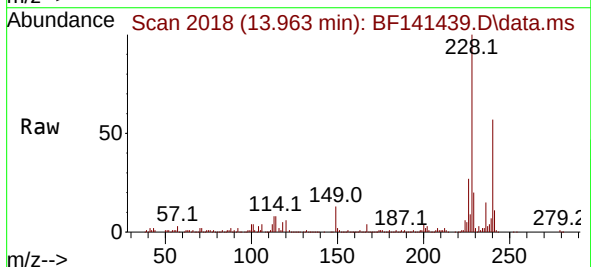
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Supervised By :mohammad  
ahmed

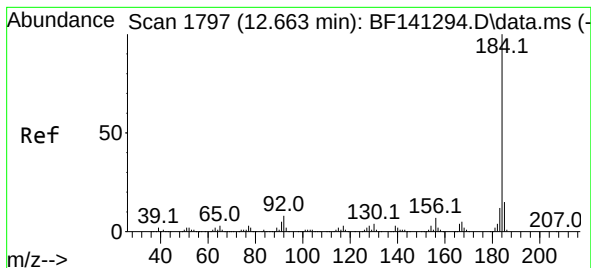
02/06/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.963 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:240 Resp: 187164  
Ion Ratio Lower Upper  
240 100  
120 10.3 10.0 15.0  
236 26.0 19.7 29.5





#77

Benzidine

Concen: 28.873 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

Tgt Ion:184 Resp: 17324

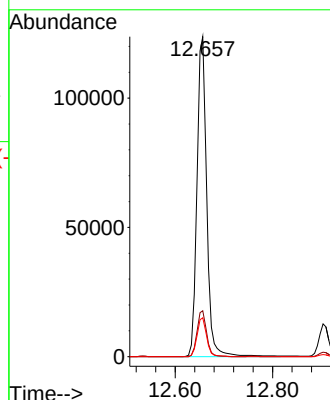
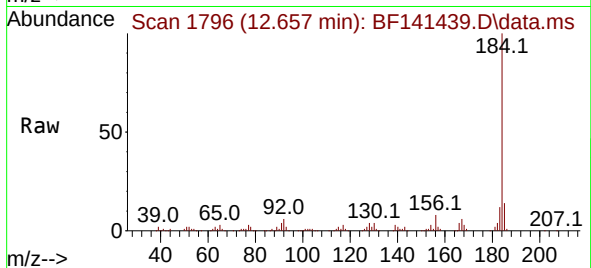
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.4  | 11.9  | 17.9  |
| 183 | 12.1  | 9.5   | 14.3  |

Manual Integrations

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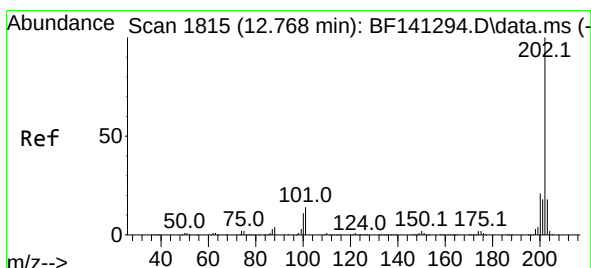
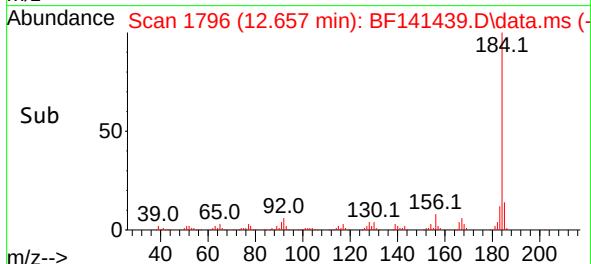
Supervised By :mohammad ahmed 02/06/2025



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#78

Pyrene

Concen: 45.916 ng

RT: 12.763 min Scan# 1814

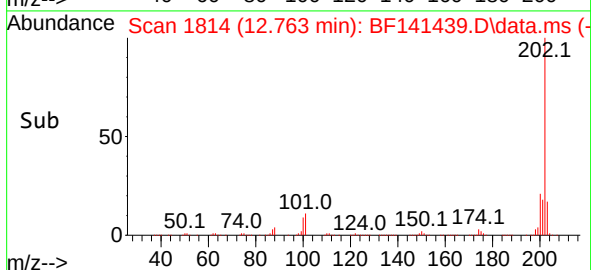
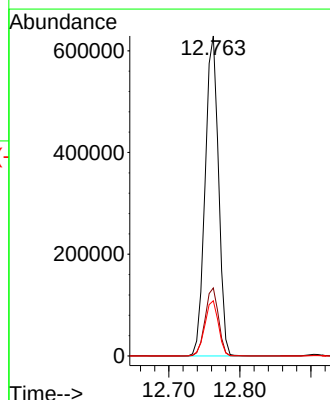
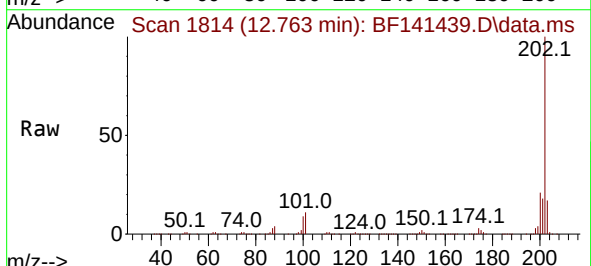
Delta R.T. -0.006 min

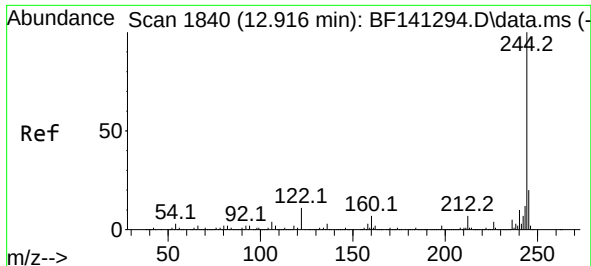
Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:202 Resp: 824927

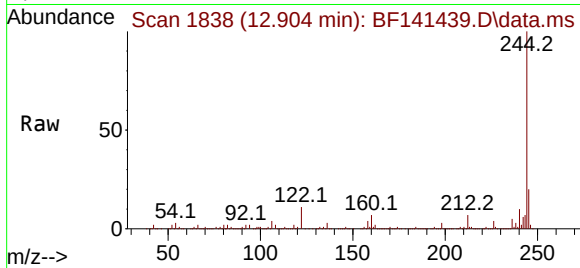
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 200 | 21.3  | 17.0  | 25.4  |
| 203 | 17.2  | 14.3  | 21.5  |





#79  
 Terphenyl-d14  
 Concen: 95.750 ng  
 RT: 12.904 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF141439.D  
 Acq: 05 Feb 2025 11:47

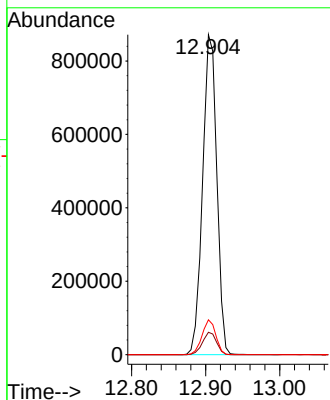
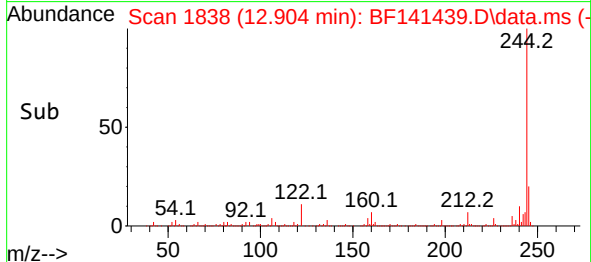
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166294BS



Tgt Ion:244 Resp: 1162048  
 Ion Ratio Lower Upper  
 244 100  
 212 7.0 5.4 8.0  
 122 10.9 8.8 13.2

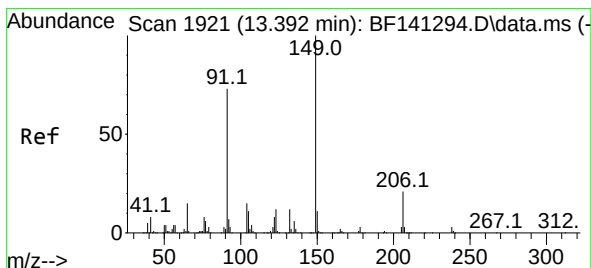
Manual Integrations  
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Reviewed By :Yogesh Patel 02/06/2025  
 Supervised By :mohammad ahmed 02/06/2025



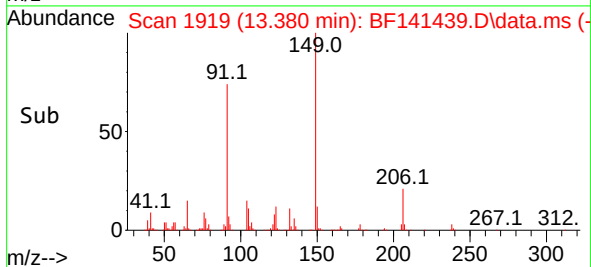
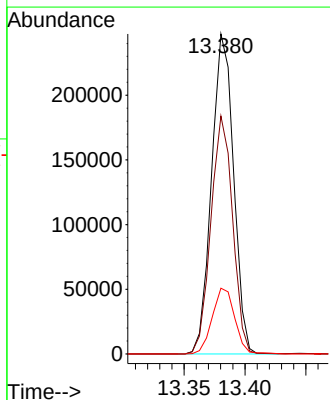
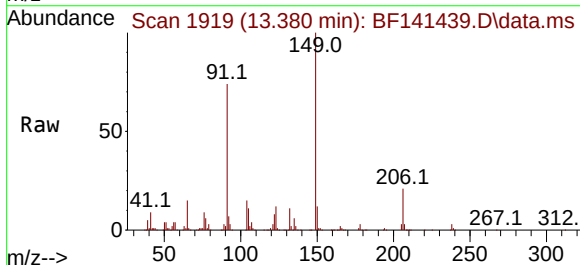
02/06/2025  
 Supervised By :mohammad  
 ahmed

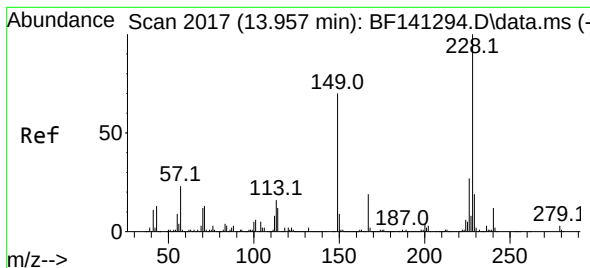
02/06/2025



#80  
 Butylbenzylphthalate  
 Concen: 49.562 ng  
 RT: 13.380 min Scan# 1919  
 Delta R.T. -0.012 min  
 Lab File: BF141439.D  
 Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 311075  
 Ion Ratio Lower Upper  
 149 100  
 91 74.3 58.6 87.8  
 206 20.6 16.7 25.1





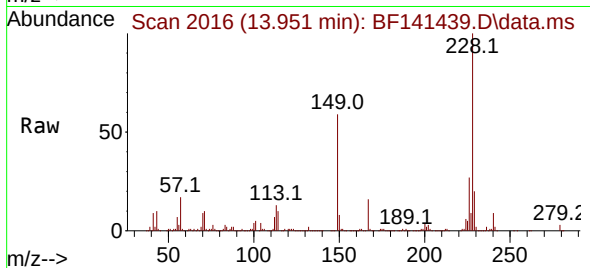
#81  
Benzo(a)anthracene  
Concen: 49.397 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

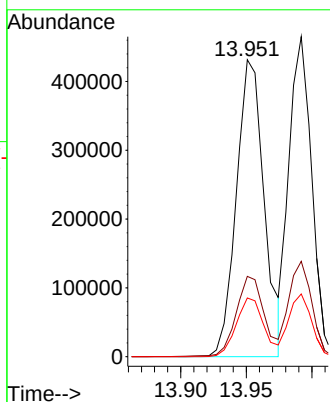
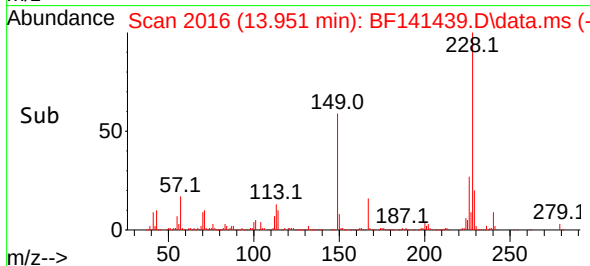
PB166294BS



Tgt Ion:228 Resp: 63798  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.4 32.2  
229 19.8 15.5 23.3

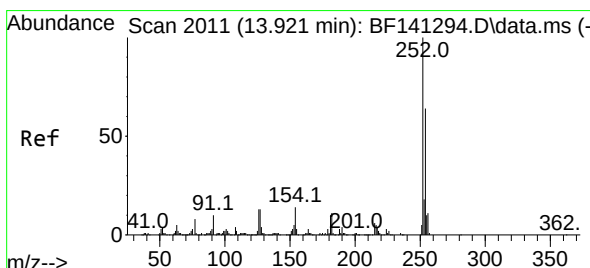
Manual Integrations  
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Supervised By :mohammad ahmed 02/06/2025

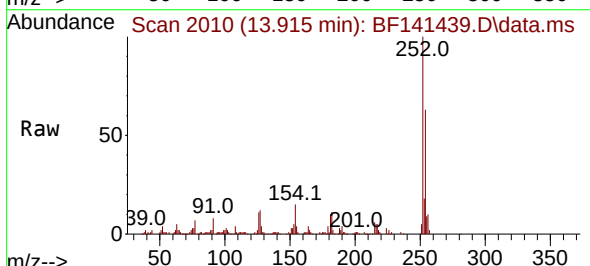


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Supervised By :mohammad  
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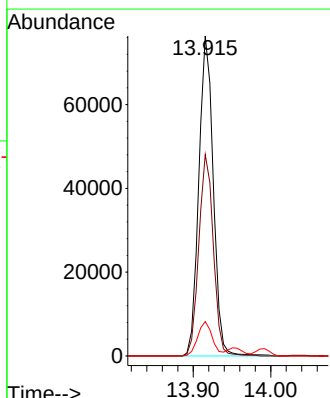
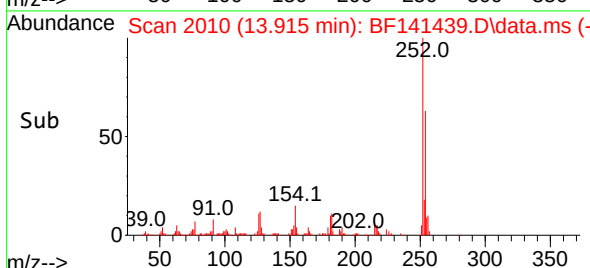
02/06/2025

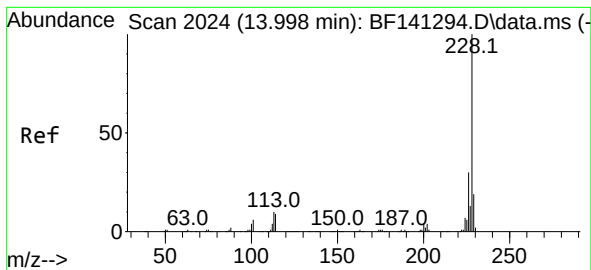


#82  
3,3'-Dichlorobenzidine  
Concen: 24.095 ng  
RT: 13.915 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:252 Resp: 98974  
Ion Ratio Lower Upper  
252 100  
254 62.9 51.3 76.9  
126 10.8 10.0 15.0





#83

Chrysene

Concen: 47.496 ng

RT: 13.992 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

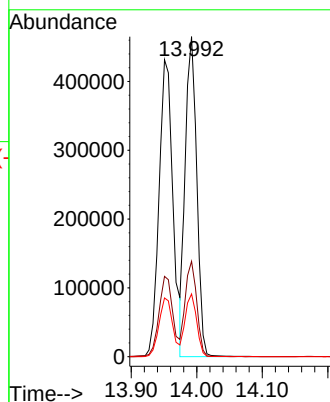
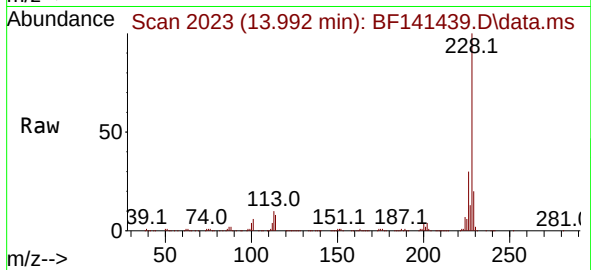
Tgt Ion:228 Resp: 562189  
 Ion Ratio Lower Upper  
 228 100  
 226 29.8 24.1 36.1  
 229 19.6 15.6 23.4

Manual Integrations

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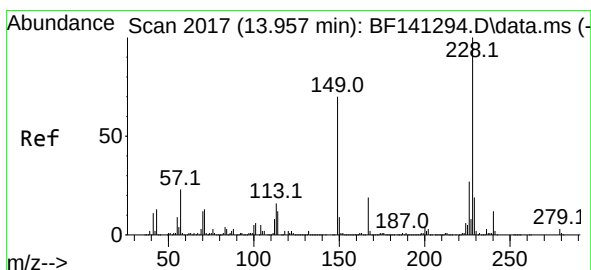
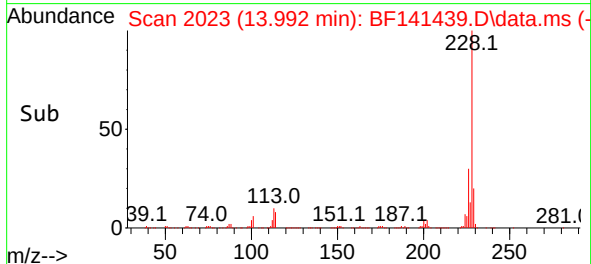
Supervised By :mohammad ahmed 02/06/2025



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Supervised By :mohammad  
ahmed

02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.636 ng

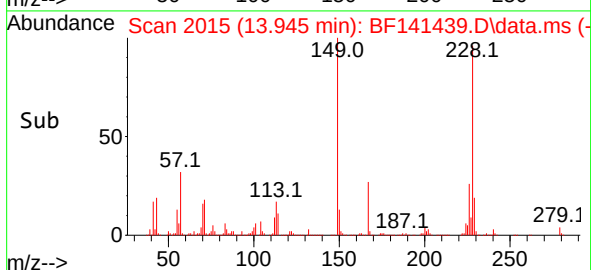
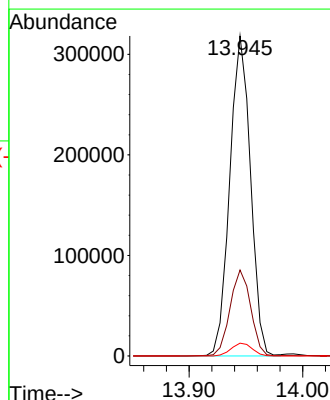
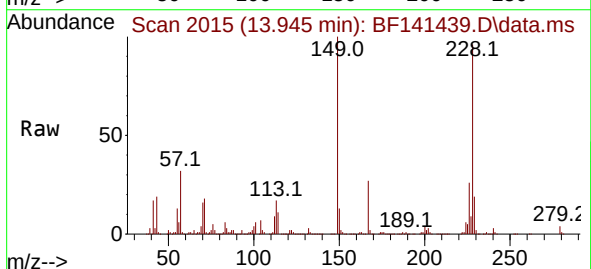
RT: 13.945 min Scan# 2015

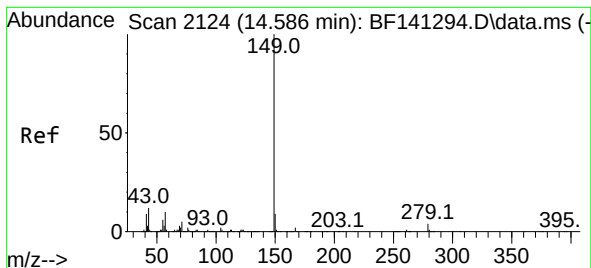
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

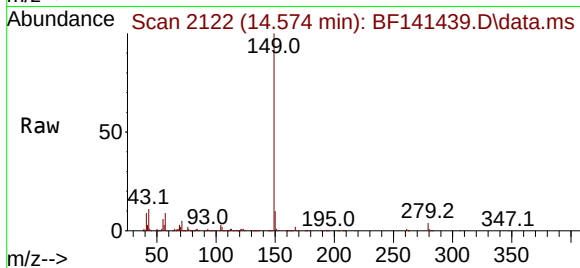
Tgt Ion:149 Resp: 403170  
 Ion Ratio Lower Upper  
 149 100  
 167 26.9 21.8 32.8  
 279 4.0 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 48.720 ng  
RT: 14.574 min Scan# 2124  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

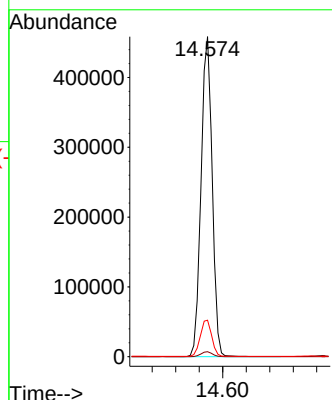
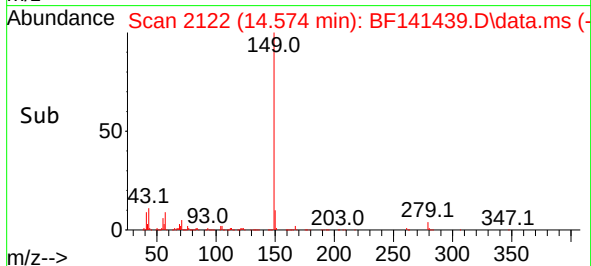
Instrument :  
BNA\_F  
ClientSampleId :  
PB166294BS



Tgt Ion:149 Resp: 602500  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 11.6 9.8 14.8

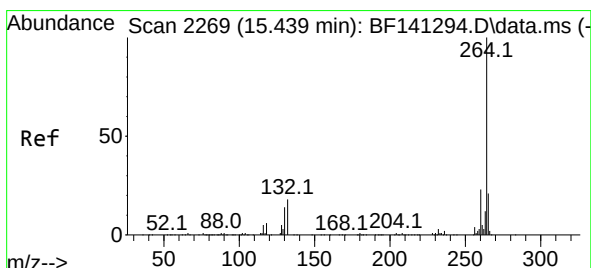
Manual Integrations  
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Supervised By :mohammad ahmed 02/06/2025



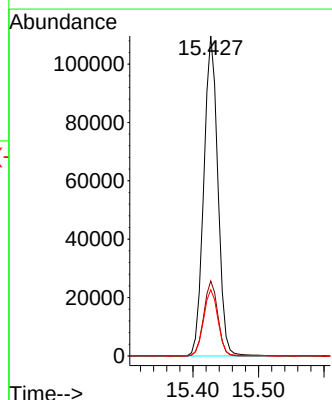
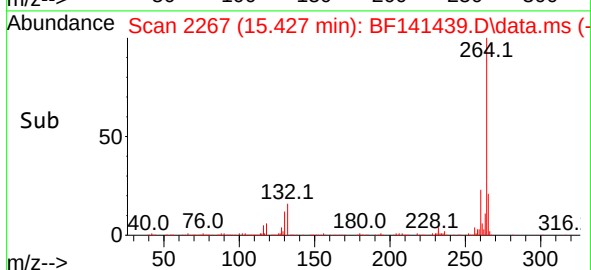
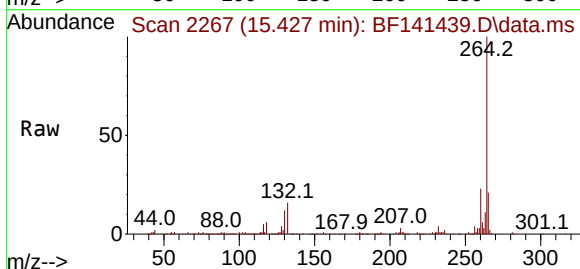
02/06/2025  
Supervised By :mohammad  
ahmed

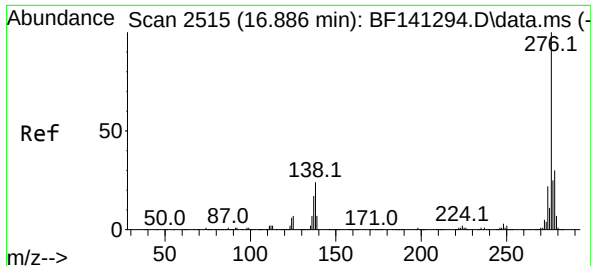
02/06/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.427 min Scan# 2267  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:264 Resp: 163935  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.6 27.8  
265 20.7 16.7 25.1





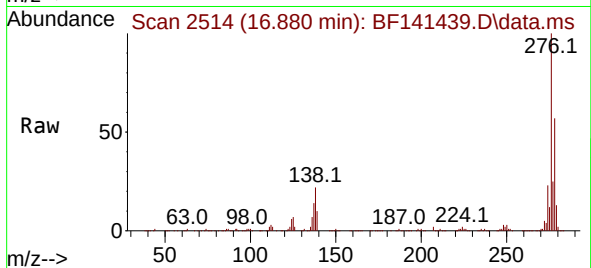
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 50.861 ng  
RT: 16.880 min Scan# 2114  
Delta R.T. -0.018 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

ClientSampleId :

PB166294BS

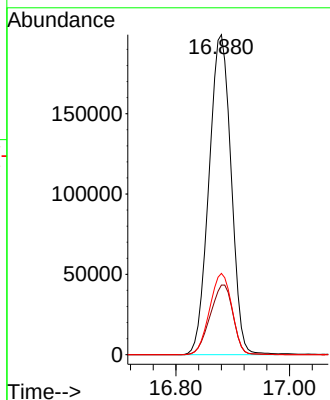
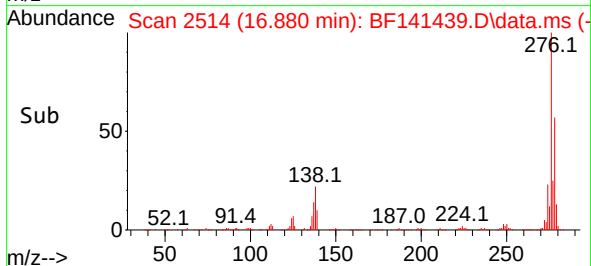


Tgt Ion:276 Resp: 538149  
Ion Ratio Lower Upper  
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138 22.7 21.7 32.5  
277 25.6 20.3 30.5

Manual Integrations

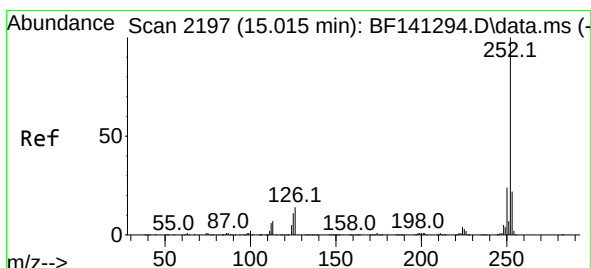
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025

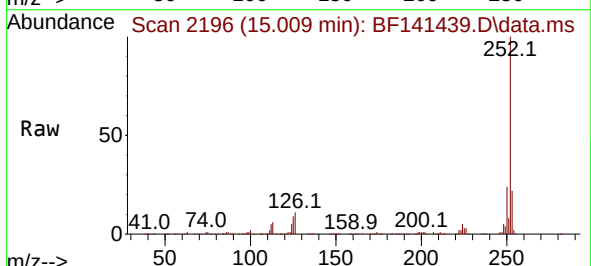


02/06/2025  
Supervised By :mohammad  
ahmed

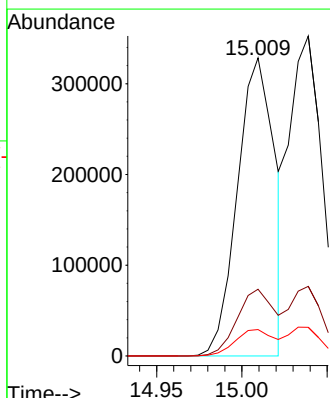
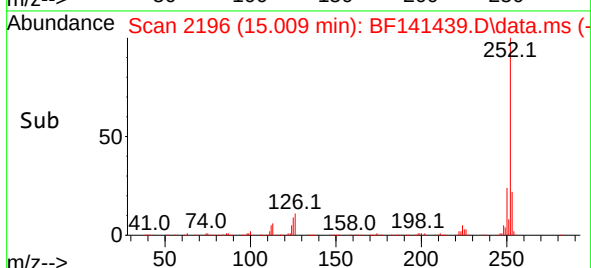
02/06/2025

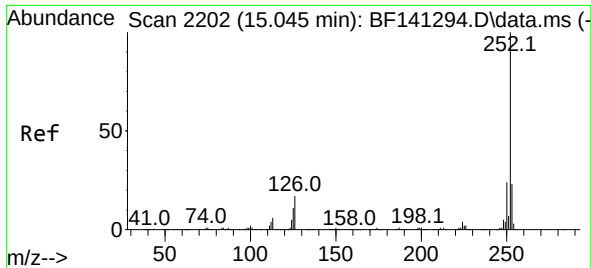


#88  
Benzo(b)fluoranthene  
Concen: 48.302 ng  
RT: 15.009 min Scan# 2196  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47



Tgt Ion:252 Resp: 498092  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.4 26.2  
125 8.9 8.6 12.8





#89  
Benzo(k)fluoranthene  
Concen: 51.723 ng  
RT: 15.039 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

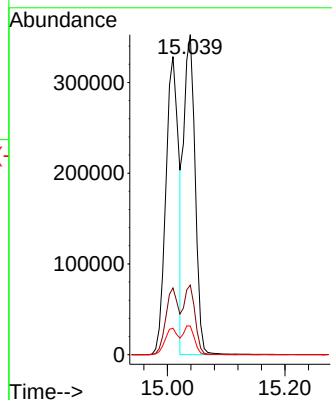
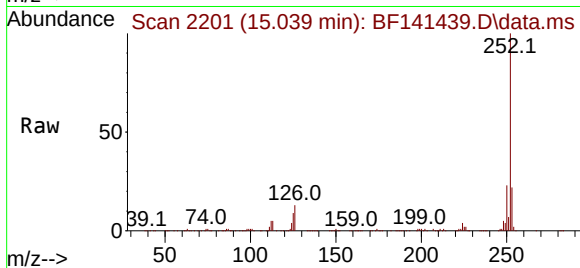
ClientSampleId :

PB166294BS

Tgt Ion:252 Resp: 47249  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.6 26.4  
125 8.9 8.4 12.6

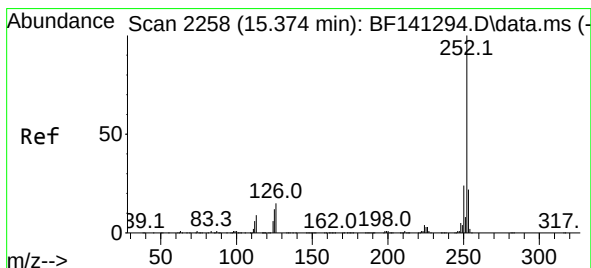
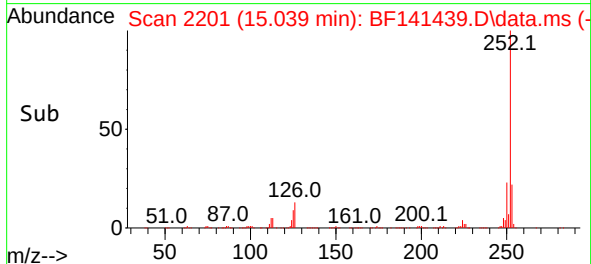
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



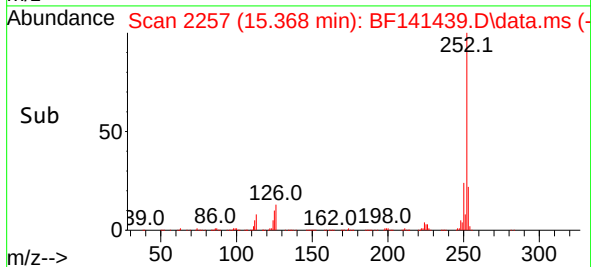
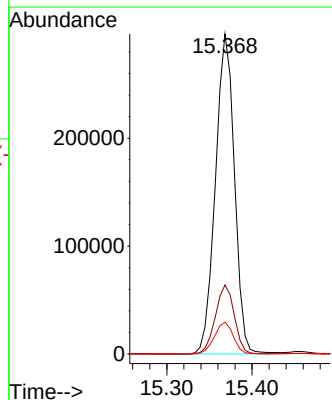
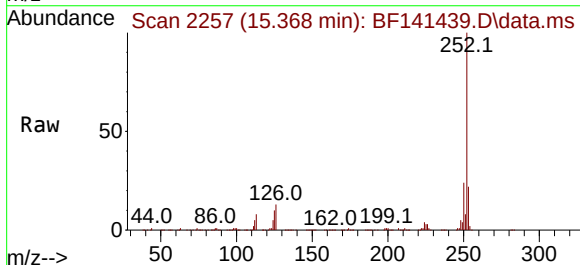
02/06/2025  
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02/06/2025

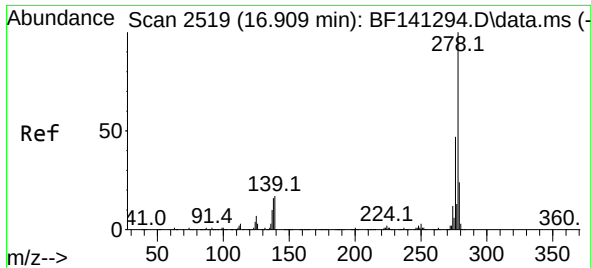


#90  
Benzo(a)pyrene  
Concen: 52.934 ng  
RT: 15.368 min Scan# 2257  
Delta R.T. -0.012 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:252 Resp: 461267  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.2 25.8  
125 9.9 9.4 14.2







#91  
Dibenzo(a,h)anthracene  
Concen: 51.119 ng  
RT: 16.898 min Scan# 2519  
Delta R.T. -0.024 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Instrument :

BNA\_F

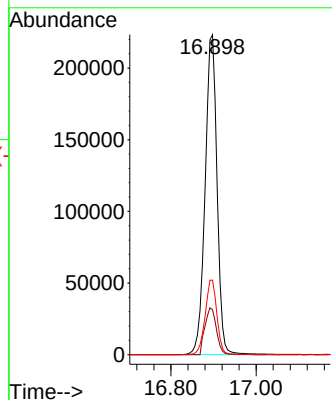
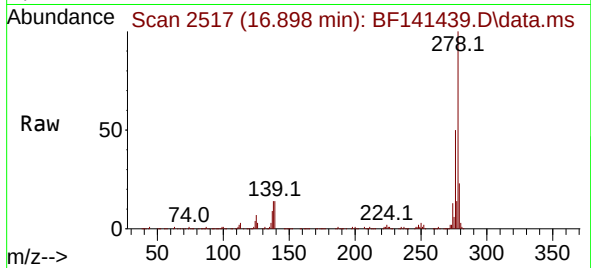
ClientSampleId :

PB166294BS

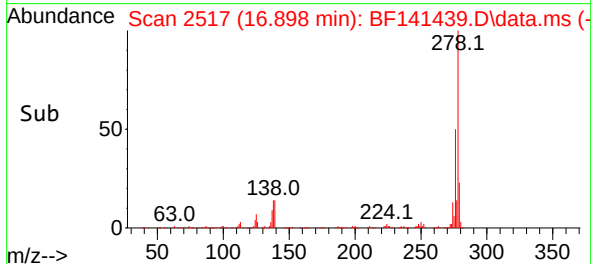
Tgt Ion:278 Resp: 43515  
Ion Ratio Lower Upper  
278 100  
139 14.1 13.9 20.9  
279 23.3 18.8 28.2

Manual Integrations  
APPROVED

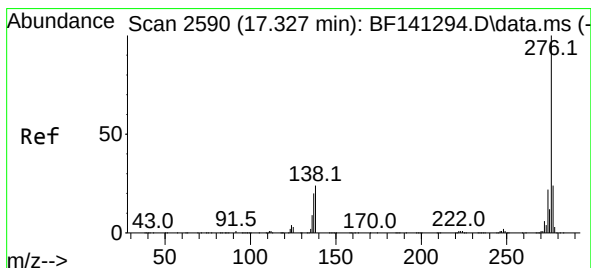
Reviewed By :Yogesh Patel 02/06/2025  
Supervised By :mohammad ahmed 02/06/2025



02/06/2025  
Supervised By :mohammad  
ahmed



02/06/2025



#92  
Benzo(g,h,i)perylene  
Concen: 46.007 ng  
RT: 17.315 min Scan# 2588  
Delta R.T. -0.030 min  
Lab File: BF141439.D  
Acq: 05 Feb 2025 11:47

Tgt Ion:276 Resp: 407221  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.2 28.8  
138 19.7 19.0 28.4

