

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF111225\  
 Data File : BF144234.D  
 Acq On : 12 Nov 2025 17:51  
 Operator : RC/JU  
 Sample : PB170473BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170473BSD

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025

Quant Time: Nov 13 10:40:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 05 18:37:33 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 46242    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 182039   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.910  | 164  | 103147   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 169842   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.051 | 240  | 85422    | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.527 | 264  | 107838   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 340264   | 115.149 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 397460   | 118.707 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 260555   | 82.666  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 144593   | 111.709 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 523432   | 74.949  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 526496   | 97.901  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.746  | 88   | 53370    | 43.686  | ng    | 97       |
| 3) Pyridine                   | 3.504  | 79   | 155078   | 45.499  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.457  | 42   | 88954    | 49.965  | ng    | 95       |
| 6) Aniline                    | 6.534  | 93   | 177193   | 37.144  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.657  | 128  | 129096   | 44.548  | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 82519    | 43.645  | ng    | 97       |
| 10) Phenol                    | 6.522  | 94   | 178470   | 43.627  | ng    | 82       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 140513   | 47.138  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 153890   | 43.035  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 157313   | 43.911  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 152375   | 44.375  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 127167   | 47.965  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 283601   | 51.664  | ng    | 97       |
| 17) 2-Methylphenol            | 7.122  | 107  | 107386   | 46.580  | ng    | 97       |
| 18) Hexachloroethane          | 7.381  | 117  | 52189    | 43.848  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 99626    | 45.199  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 117473   | 43.226  | ng    | 99       |
| 22) Acetophenone              | 7.281  | 105  | 166680   | 42.682  | ng    | 94       |
| 24) Nitrobenzene              | 7.451  | 77   | 154491   | 45.143  | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 281239   | 47.173  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 78887    | 46.566  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 128951   | 50.785  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 173352   | 46.563  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 123040   | 42.043  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 128837   | 42.873  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 368762   | 42.585  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 87671    | 47.104  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 76375    | 24.183  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 88541    | 39.095  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 42418m   | 52.905  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 117638   | 44.853  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 228465   | 39.461  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 229875   | 41.149  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 134021   | 39.646  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 118150   | 86.623  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 97808    | 42.510  | ng    | 99       |

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 Sample : PB170473BSD  
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Manual Integrations  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 05 18:37:33 2025  
 Response via : Initial Calibration

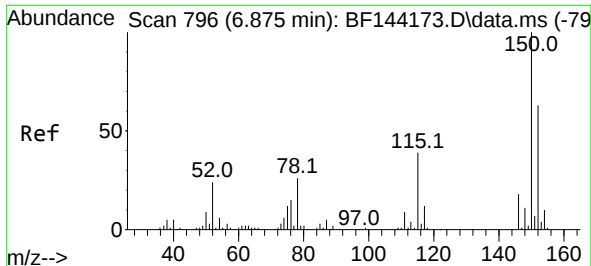
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 101890   | 41.089 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 305932   | 42.491 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 256304   | 41.732 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.451  | 65   | 84147    | 47.485 | ng    | 99       |
| 49) Acenaphthylene            | 9.775  | 152  | 394621   | 47.150 | ng    | 100      |
| 50) Dimethylphthalate         | 9.633  | 163  | 307927   | 45.063 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 65114    | 47.072 | ng    | 98       |
| 52) Acenaphthene              | 9.945  | 154  | 220995   | 39.486 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 48515    | 32.084 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 66922    | 80.117 | ng    | 98       |
| 55) Dibenzofuran              | 10.116 | 168  | 322980   | 41.204 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.033 | 139  | 91577    | 83.722 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 86350    | 46.631 | ng    | 95       |
| 58) Fluorene                  | 10.463 | 166  | 251230   | 42.155 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 78582    | 44.790 | ng    | 98       |
| 60) Diethylphthalate          | 10.333 | 149  | 287120   | 45.580 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 137632   | 40.542 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 65408    | 45.421 | ng    | 95       |
| 63) Azobenzene                | 10.610 | 77   | 279967   | 47.755 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 49858    | 43.212 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 251870   | 46.108 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 92867    | 42.838 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 111228   | 43.560 | ng    | 96       |
| 69) Atrazine                  | 11.098 | 200  | 86081    | 49.551 | ng    | 98       |
| 70) Pentachlorophenol         | 11.210 | 266  | 106205   | 83.525 | ng    | 98       |
| 71) Phenanthrene              | 11.427 | 178  | 369457   | 43.691 | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 380544   | 44.257 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 328894   | 44.982 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 423974   | 47.967 | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 369967   | 42.353 | ng    | 98       |
| 77) Benzidine                 | 12.739 | 184  | 173452   | 68.647 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 363730   | 52.810 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 137986   | 57.804 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 282406   | 47.701 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 64305    | 31.687 | ng    | 96       |
| 83) Chrysene                  | 14.074 | 228  | 255888   | 46.821 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 177450   | 54.302 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 263398   | 46.718 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 329028   | 42.504 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 287764m  | 46.937 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 259584   | 45.236 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 271111   | 47.934 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 270255   | 43.471 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.480 | 276  | 263590   | 42.935 | ng    | 97       |

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

## Manual Integrations

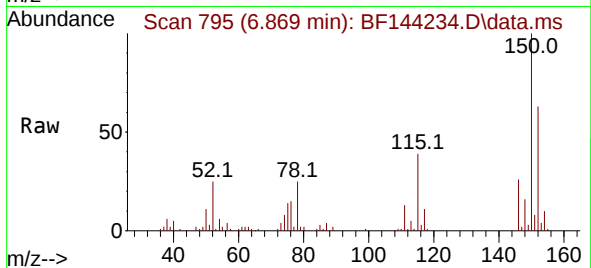
Quant Time: Nov 13 10:40:42 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 05 18:37:33 2025  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

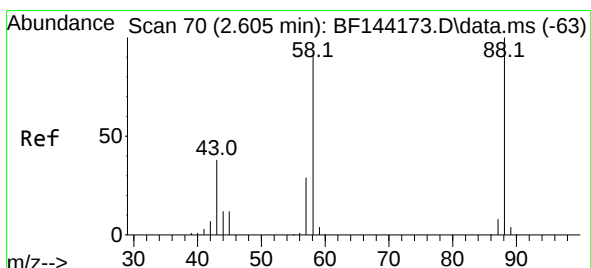
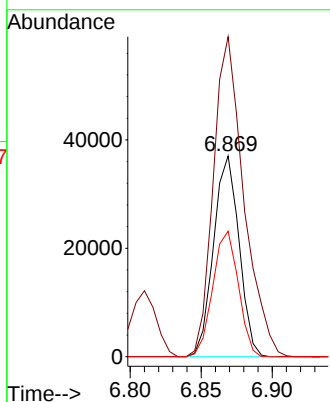
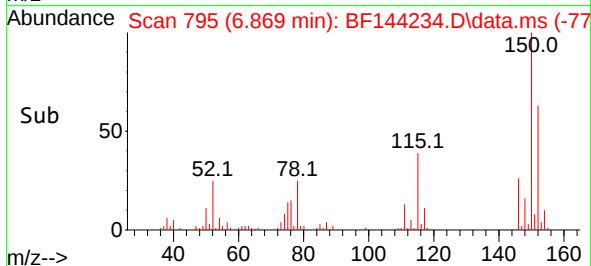
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:152 Resp: 4624  
Ion Ratio Lower Upper  
152 100  
150 159.3 127.4 191.0  
115 62.4 49.5 74.3

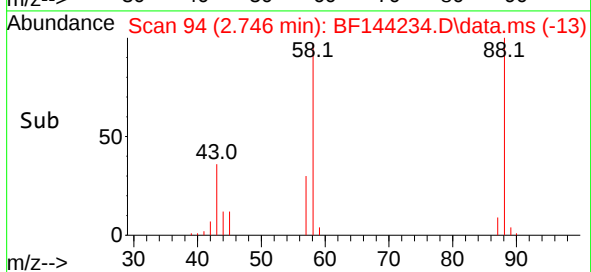
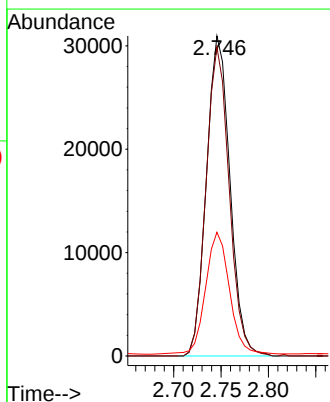
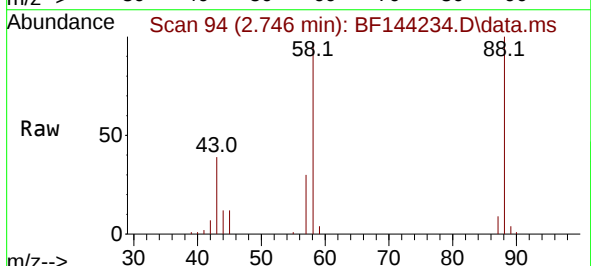
Manual Integrations  
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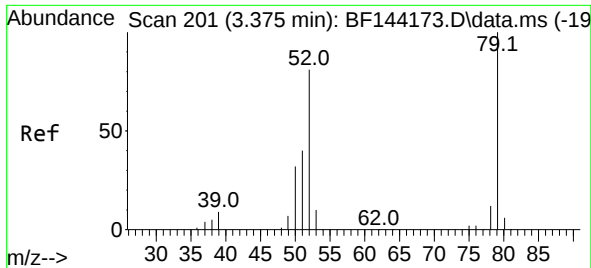
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#2  
1,4-Dioxane  
Concen: 43.686 ng  
RT: 2.746 min Scan# 94  
Delta R.T. 0.129 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion: 88 Resp: 53370  
Ion Ratio Lower Upper  
88 100  
58 94.9 73.1 109.7  
43 38.8 31.0 46.6





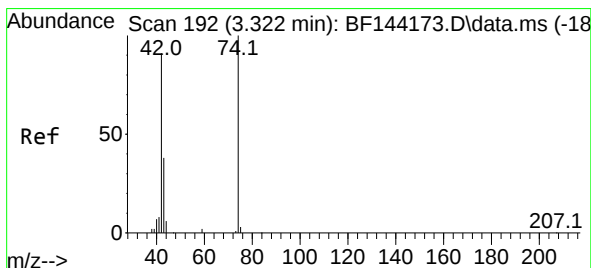
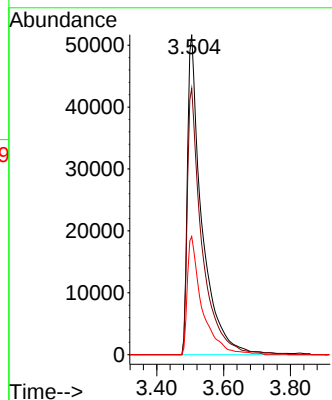
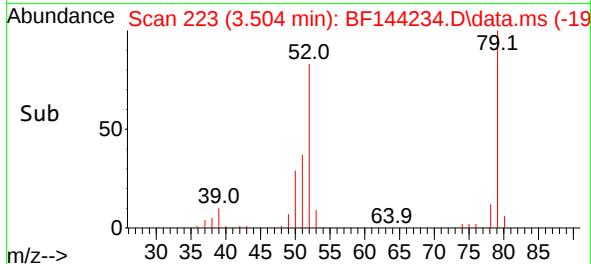
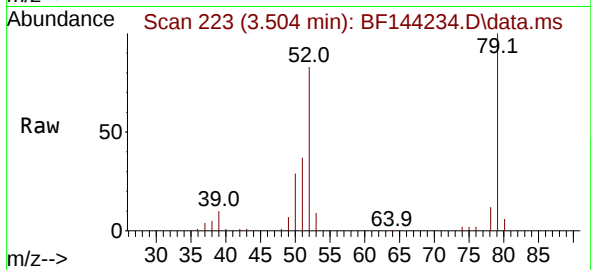
#3  
Pyridine  
Concen: 45.499 ng  
RT: 3.504 min Scan# 215  
Delta R.T. 0.094 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion: 79 Resp: 155078  
Ion Ratio Lower Upper  
79 100  
52 83.2 64.5 96.7  
51 36.9 31.7 47.5

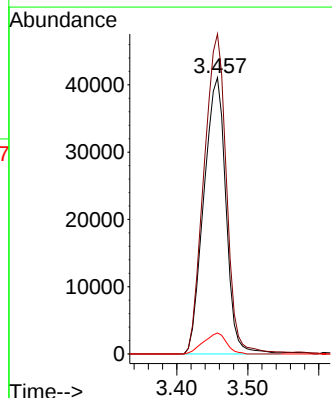
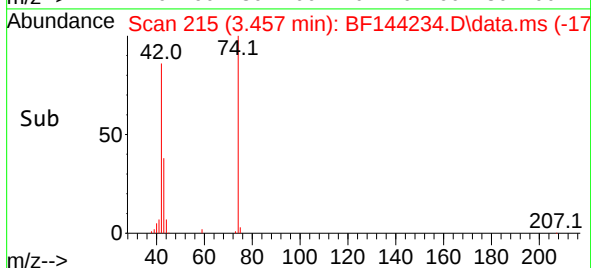
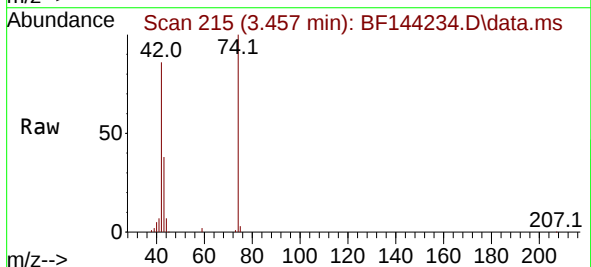
Manual Integrations  
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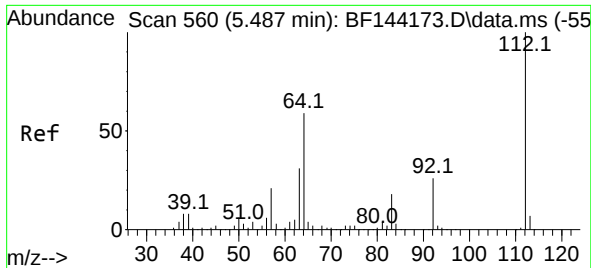
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#4  
n-Nitrosodimethylamine  
Concen: 49.965 ng  
RT: 3.457 min Scan# 215  
Delta R.T. 0.112 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

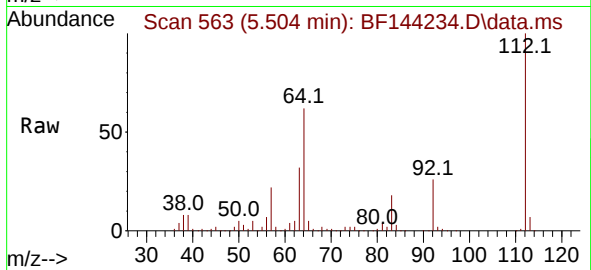
Tgt Ion: 42 Resp: 88954  
Ion Ratio Lower Upper  
42 100  
74 115.8 88.2 132.4  
44 7.6 5.7 8.5





#5  
2-Fluorophenol  
Concen: 115.149 ng  
RT: 5.504 min Scan# 504  
Delta R.T. 0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

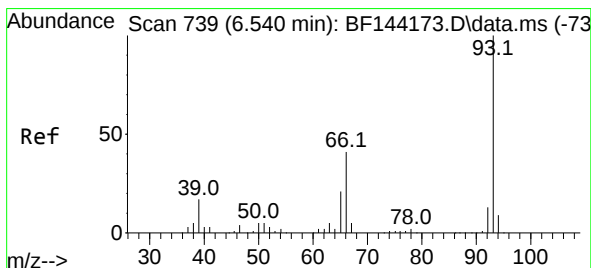
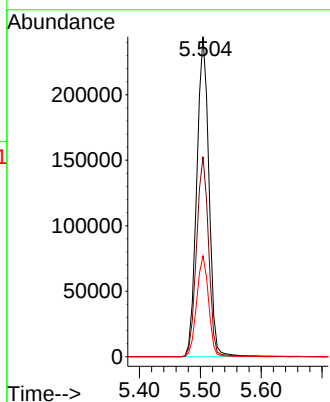
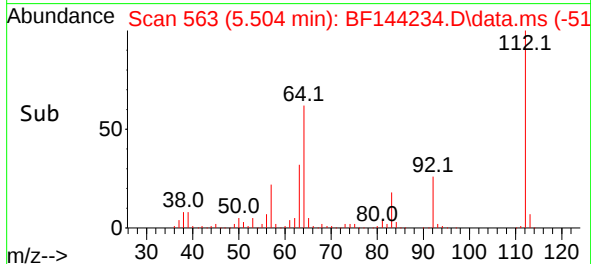
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:112 Resp: 340264  
Ion Ratio Lower Upper  
112 100  
64 62.5 47.2 70.8  
63 31.5 24.4 36.6

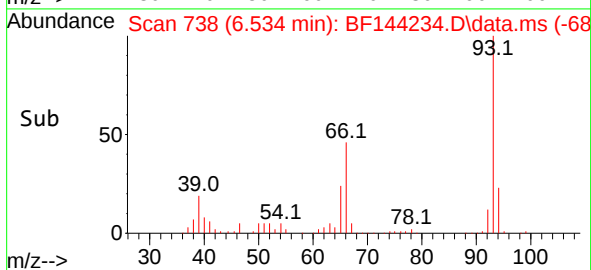
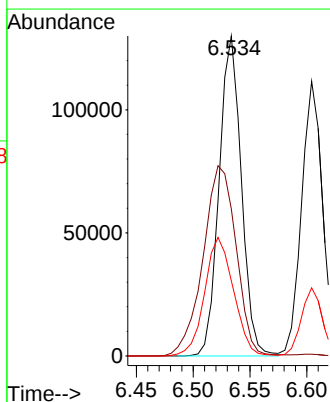
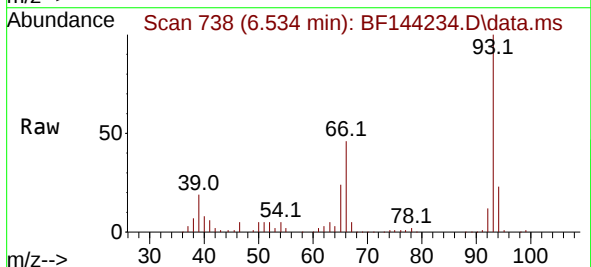
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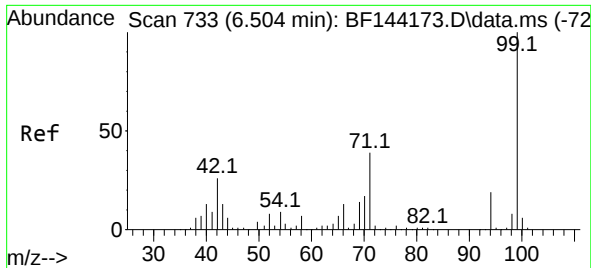
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#6  
Aniline  
Concen: 37.144 ng  
RT: 6.534 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

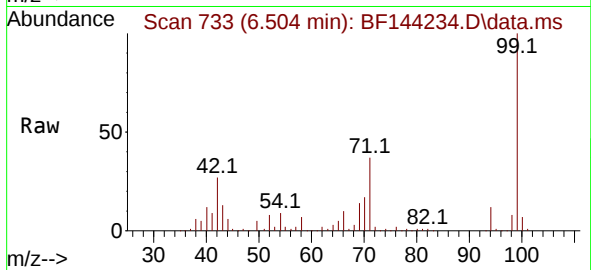
Tgt Ion: 93 Resp: 177193  
Ion Ratio Lower Upper  
93 100  
66 46.0 34.3 51.5  
65 23.5 16.9 25.3





#7  
Phenol-d6  
Concen: 118.707 ng  
RT: 6.504 min Scan# 713  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

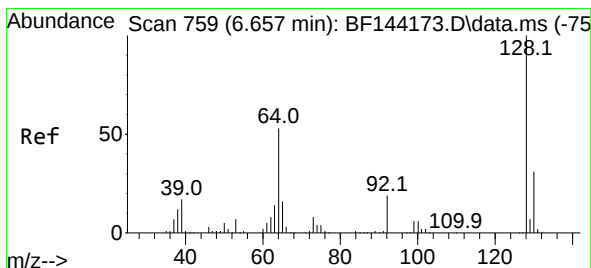
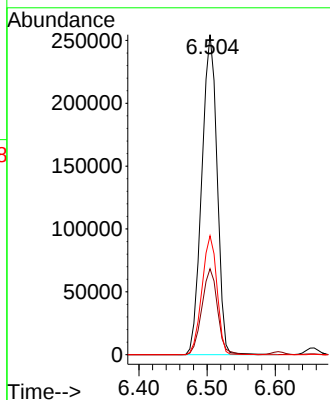
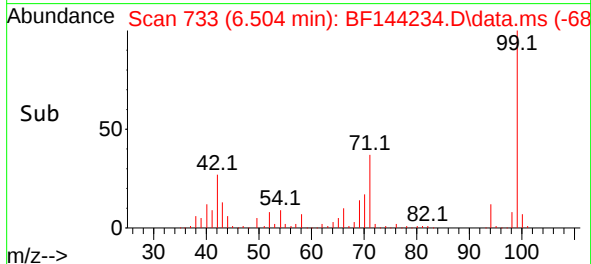
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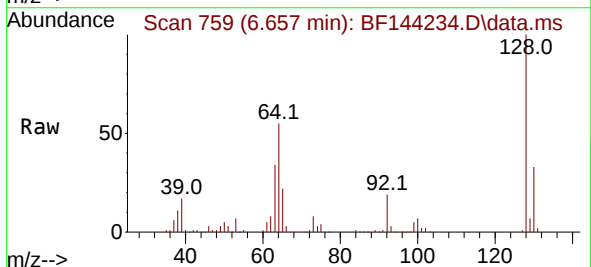
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Ion Ratio Lower Upper  
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71 37.2 31.4 47.2

Manual Integrations  
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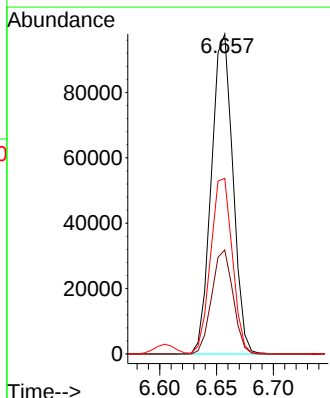
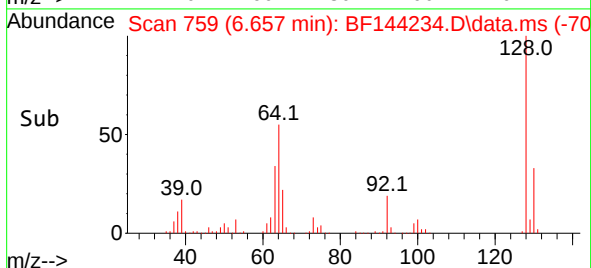
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

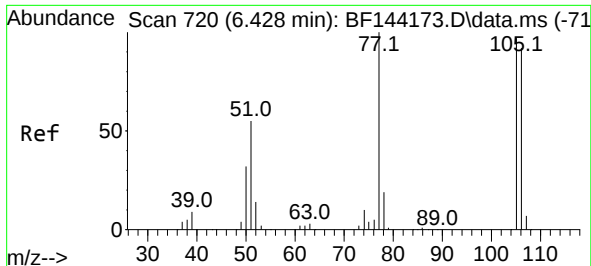


#8  
2-Chlorophenol  
Concen: 44.548 ng  
RT: 6.657 min Scan# 759  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



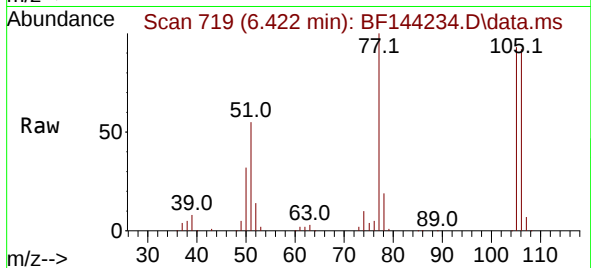
Tgt Ion:128 Resp: 129096  
Ion Ratio Lower Upper  
128 100  
130 32.5 10.5 50.5  
64 54.8 33.2 73.2





#9  
Benzaldehyde  
Concen: 43.645 ng  
RT: 6.422 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

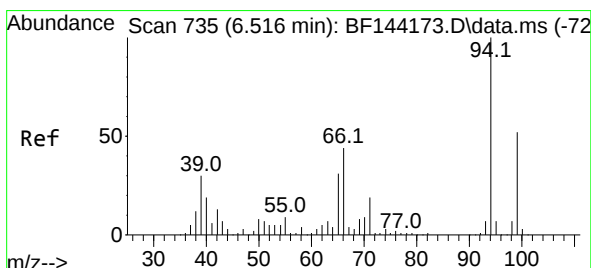
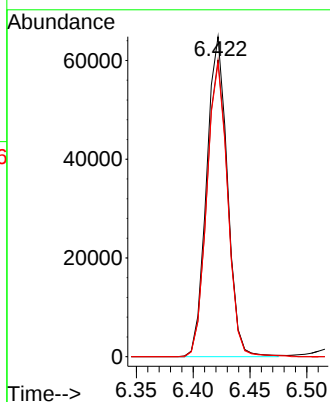
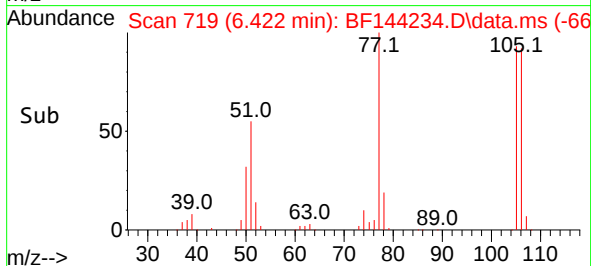
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion: 77 Resp: 82519  
Ion Ratio Lower Upper  
77 100  
105 92.8 77.2 117.2  
106 91.7 72.2 112.2

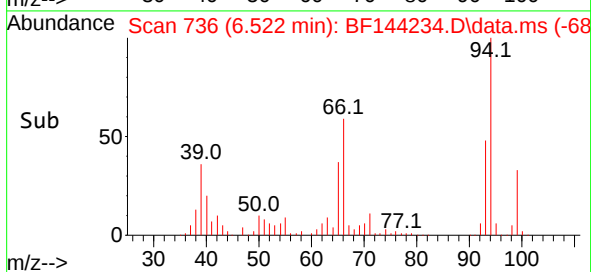
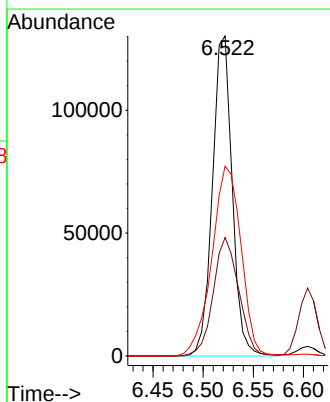
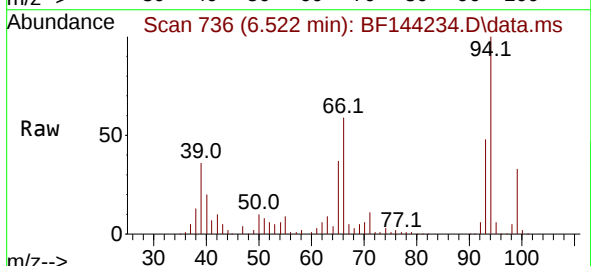
Manual Integrations  
APPROVED

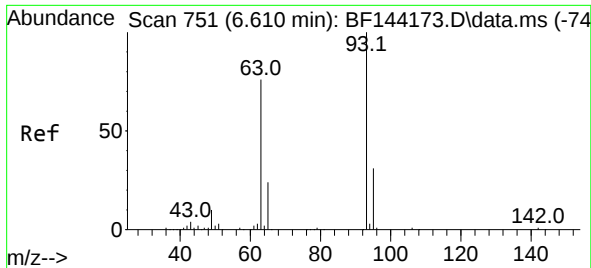
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#10  
Phenol  
Concen: 43.627 ng  
RT: 6.522 min Scan# 736  
Delta R.T. 0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion: 94 Resp: 178470  
Ion Ratio Lower Upper  
94 100  
65 37.0 10.8 50.8  
66 59.3 24.3 64.3





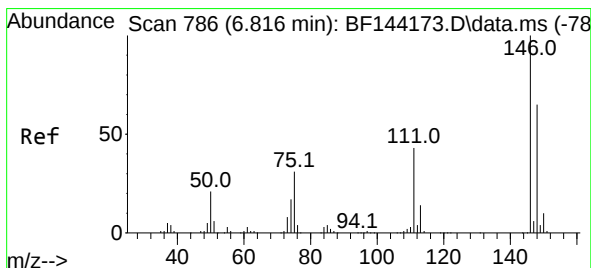
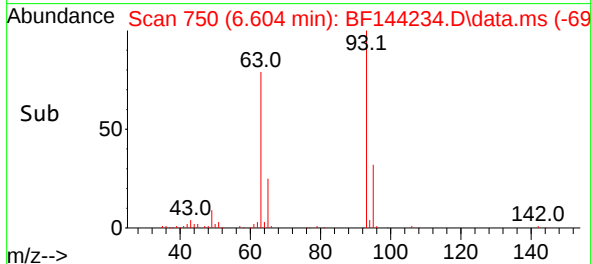
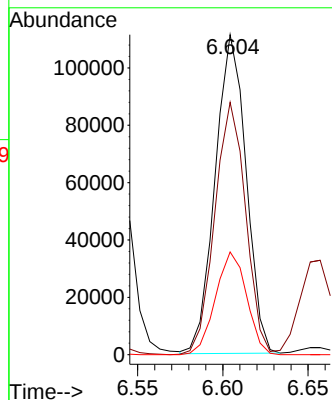
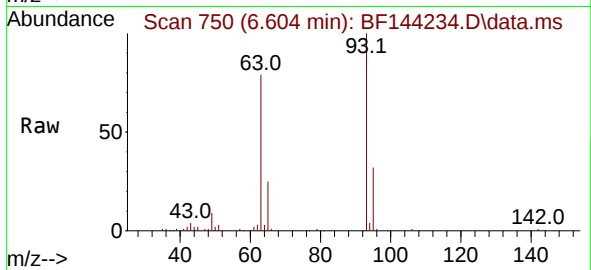
#11  
bis(2-Chloroethyl)ether  
Concen: 47.138 ng  
RT: 6.604 min Scan# 750  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion: 93 Resp: 14051  
Ion Ratio Lower Upper  
93 100  
63 78.9 55.2 95.2  
95 32.1 11.2 51.2

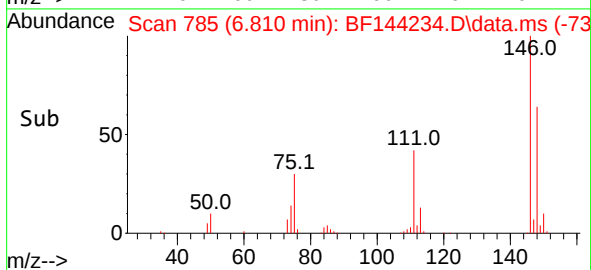
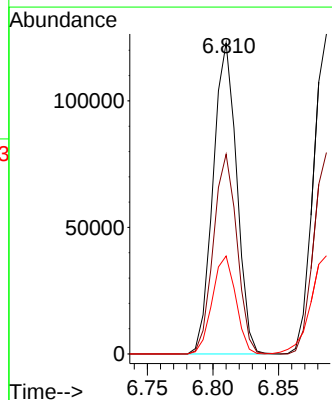
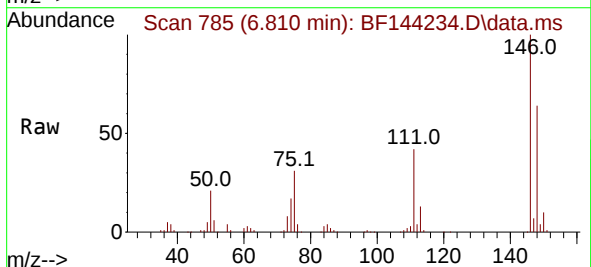
Manual Integrations  
APPROVED

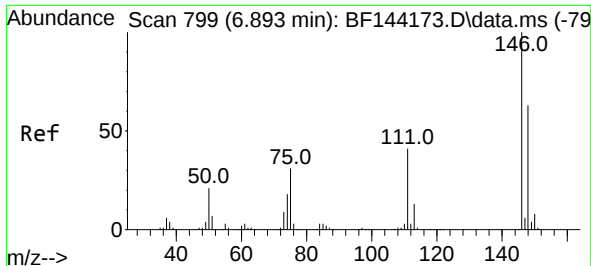
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#12  
1,3-Dichlorobenzene  
Concen: 43.035 ng  
RT: 6.810 min Scan# 785  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:146 Resp: 153890  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.8 77.8  
75 31.5 25.0 37.4





#13

1,4-Dichlorobenzene

Concen: 43.911 ng

RT: 6.887 min Scan# 799

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

Tgt Ion:146 Resp: 15731

Ion Ratio Lower Upper

146 100

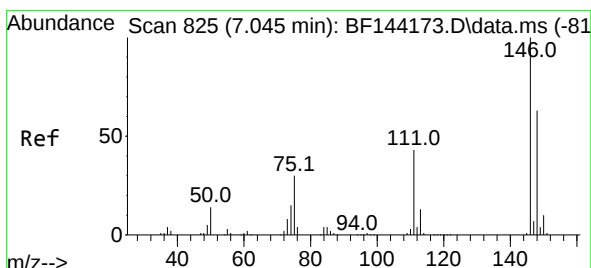
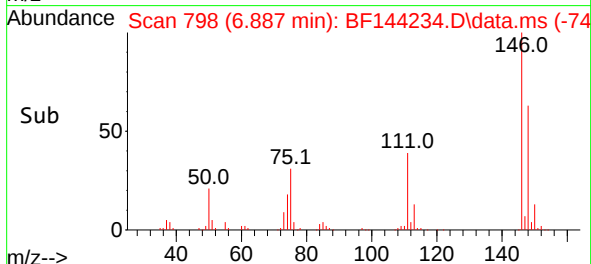
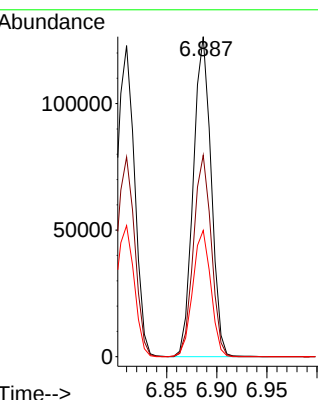
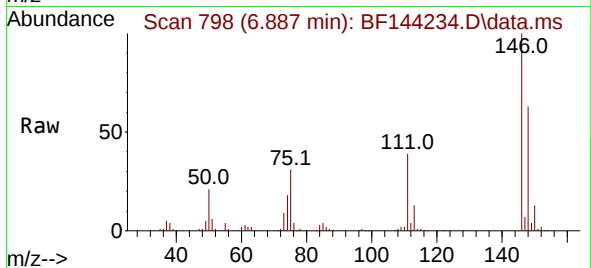
148 62.9 50.2 75.2

111 39.5 32.6 48.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#14

1,2-Dichlorobenzene

Concen: 44.375 ng

RT: 7.039 min Scan# 824

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

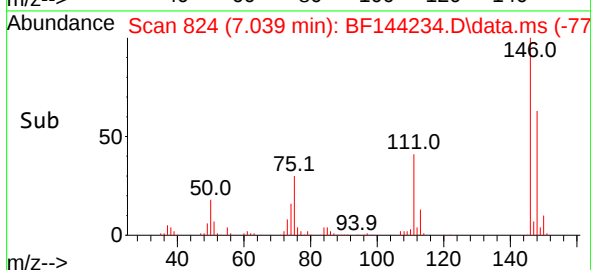
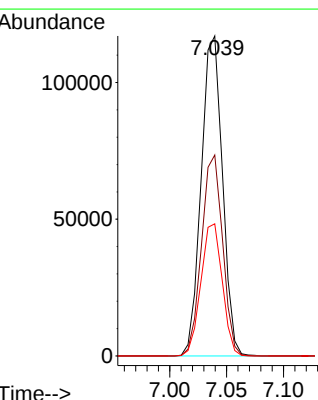
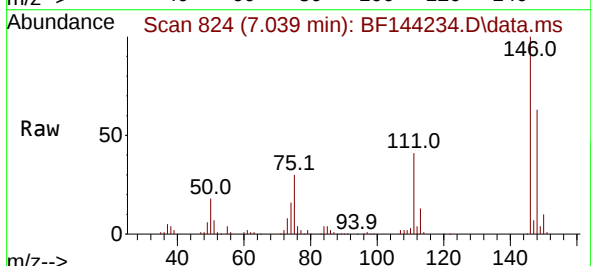
Tgt Ion:146 Resp: 152375

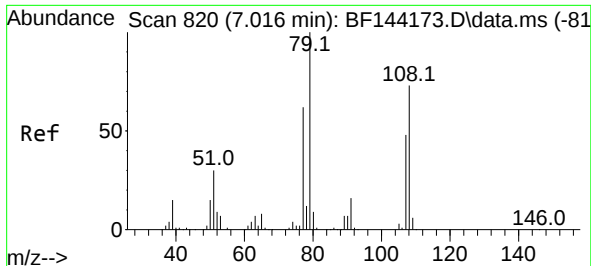
Ion Ratio Lower Upper

146 100

148 62.8 50.7 76.1

111 41.3 34.2 51.4





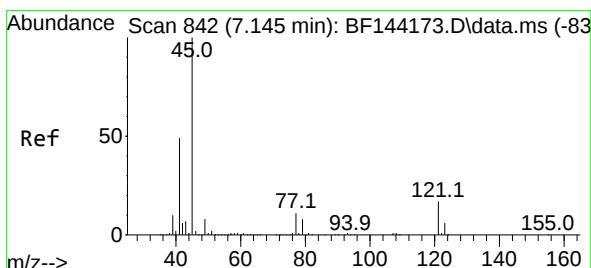
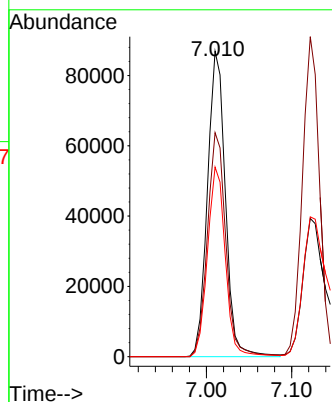
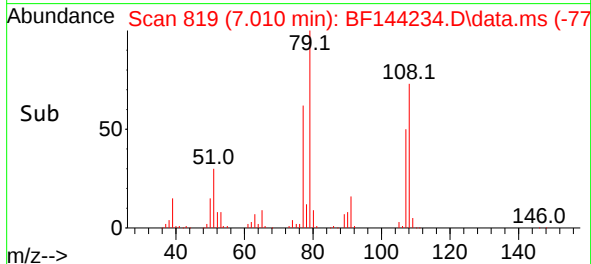
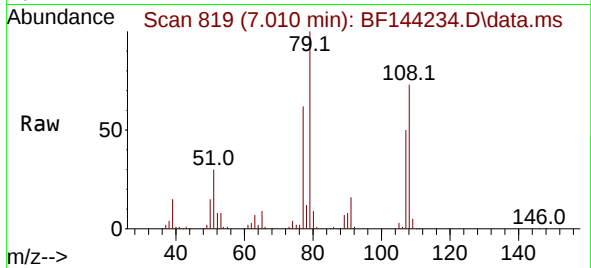
#15  
Benzyl Alcohol  
Concen: 47.965 ng  
RT: 7.010 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion: 79 Resp: 12716  
Ion Ratio Lower Upper  
79 100  
108 73.3 58.2 87.4  
77 62.1 49.9 74.9

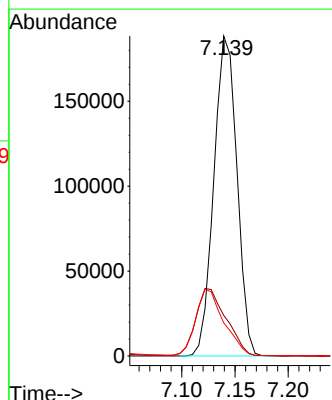
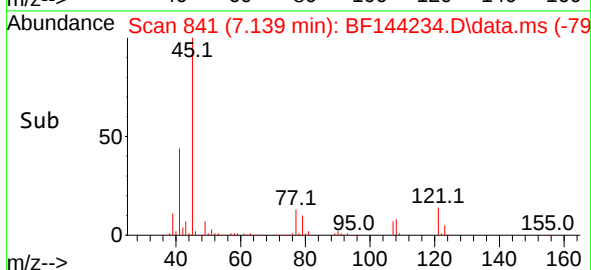
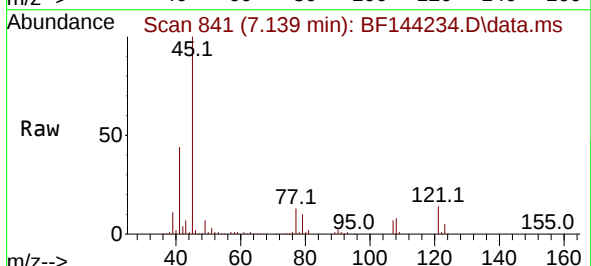
Manual Integrations  
APPROVED

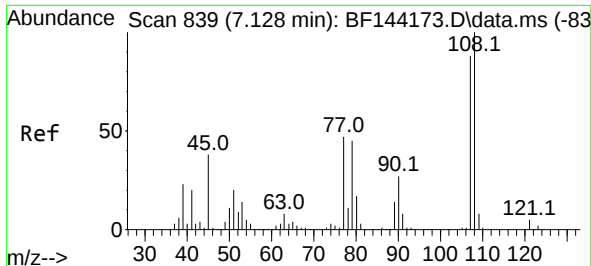
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 51.664 ng  
RT: 7.139 min Scan# 841  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

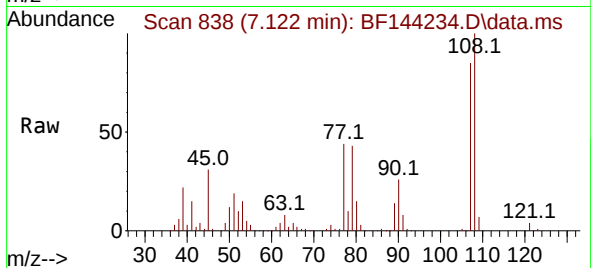
Tgt Ion: 45 Resp: 283601  
Ion Ratio Lower Upper  
45 100  
77 12.7 0.0 31.8  
79 10.4 0.0 29.1





#17  
2-Methylphenol  
Concen: 46.580 ng  
RT: 7.122 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

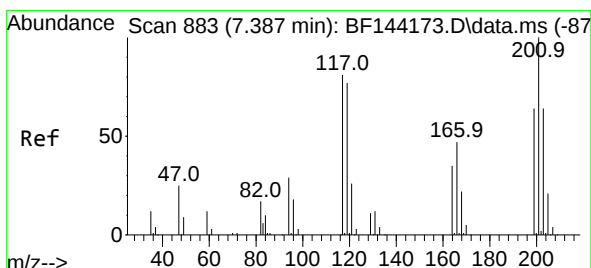
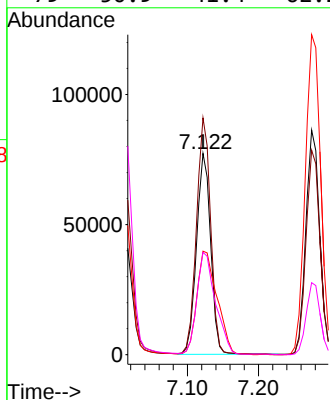
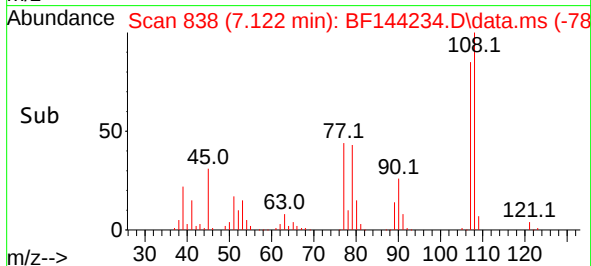
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:107 Resp: 107380  
Ion Ratio Lower Upper  
107 100  
108 117.7 91.0 136.4  
77 51.4 42.7 64.1  
79 50.9 41.4 62.2

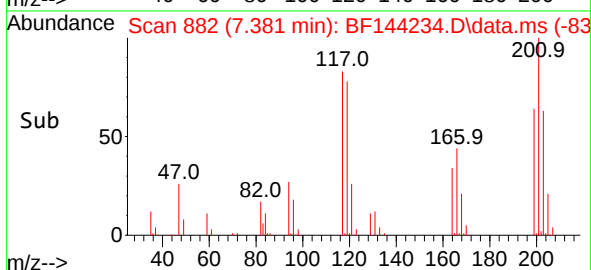
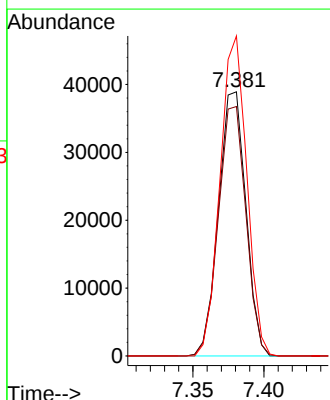
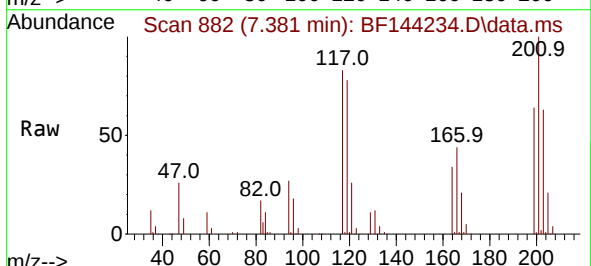
Manual Integrations  
APPROVED

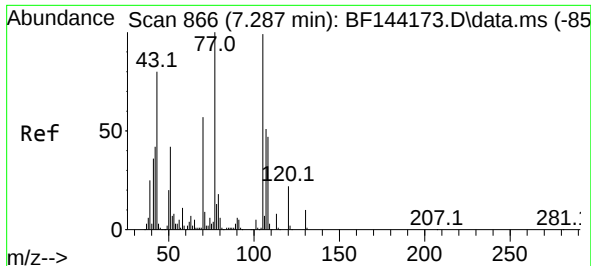
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#18  
Hexachloroethane  
Concen: 43.848 ng  
RT: 7.381 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

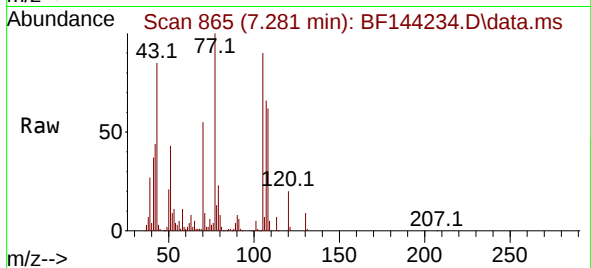
Tgt Ion:117 Resp: 52189  
Ion Ratio Lower Upper  
117 100  
119 94.5 75.8 113.8  
201 121.2 98.9 148.3





#19  
n-Nitroso-di-n-propylamine  
Concen: 45.199 ng  
RT: 7.281 min Scan# 80  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

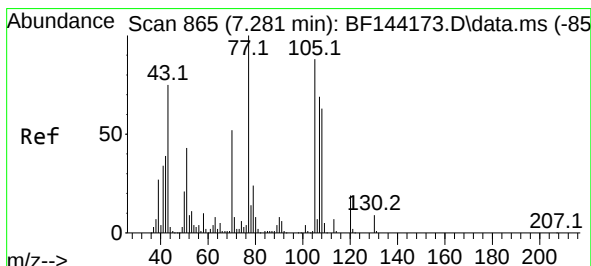
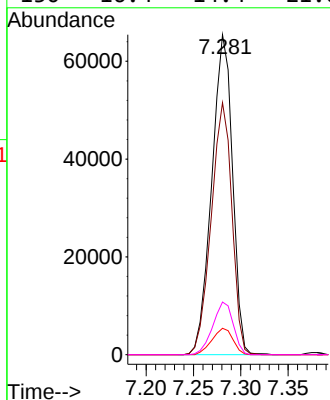
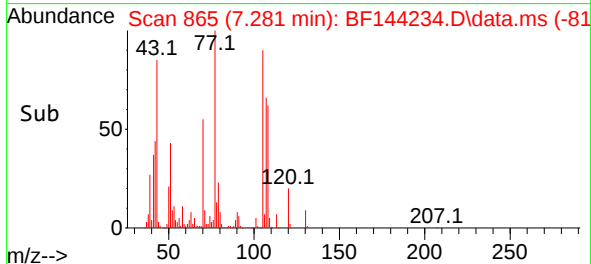
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



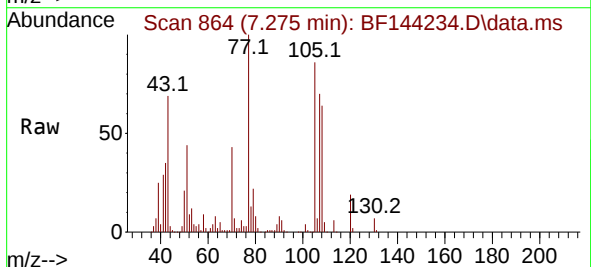
Tgt Ion: 70 Resp: 99620  
Ion Ratio Lower Upper  
70 100  
42 78.8 58.3 87.5  
101 8.3 7.0 10.6  
130 16.4 14.4 21.6

Manual Integrations  
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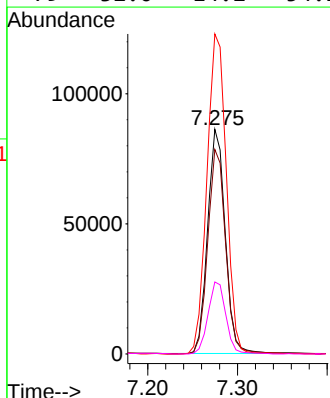
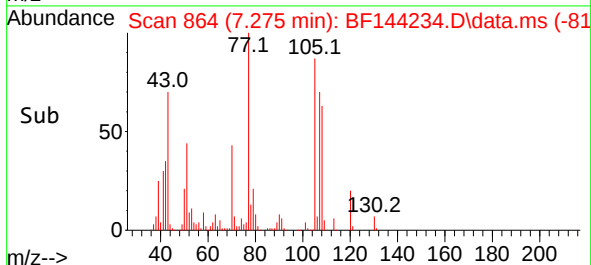
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

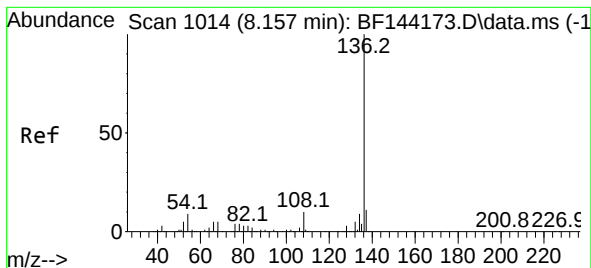


#20  
3+4-Methylphenols  
Concen: 43.226 ng  
RT: 7.275 min Scan# 864  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:107 Resp: 117473  
Ion Ratio Lower Upper  
107 100  
108 91.1 70.2 110.2  
77 142.5 123.9 163.9  
79 32.0 14.2 54.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1014

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

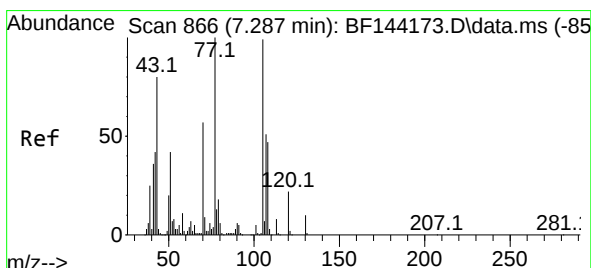
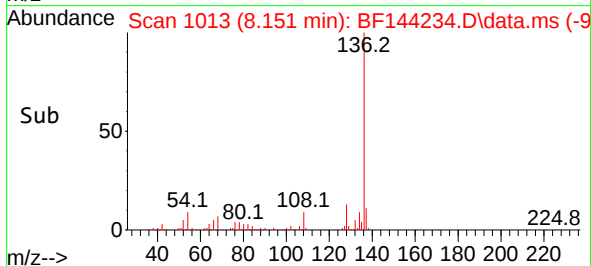
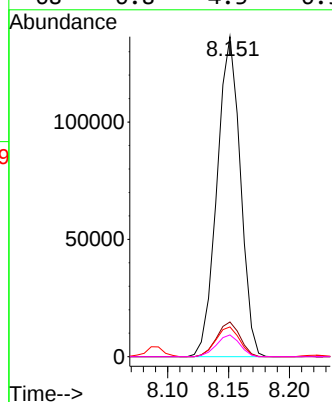
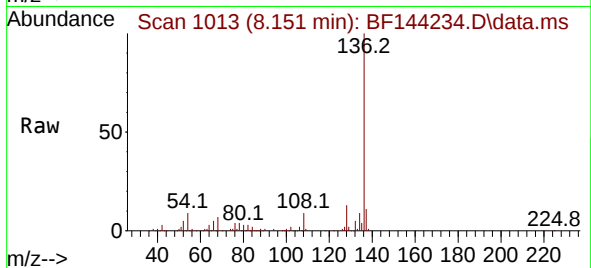
PB170473BSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 182039 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.6   | 13.0   |
| 54        | 9.3   | 7.0   | 10.6   |
| 68        | 6.8   | 4.3   | 6.5    |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#22

Acetophenone

Concen: 42.682 ng

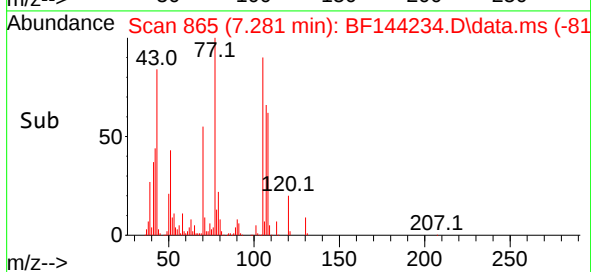
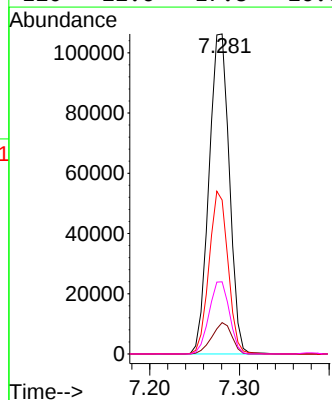
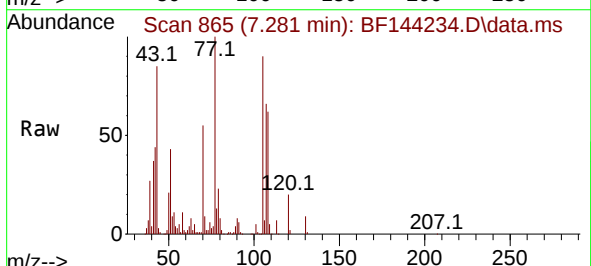
RT: 7.281 min Scan# 865

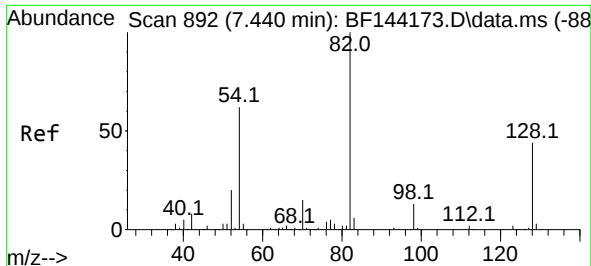
Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 166680 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 9.8   | 7.2   | 10.8   |
| 51        | 48.1  | 34.0  | 51.0   |
| 120       | 22.6  | 17.8  | 26.6   |





#23

Nitrobenzene-d5

Concen: 82.666 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

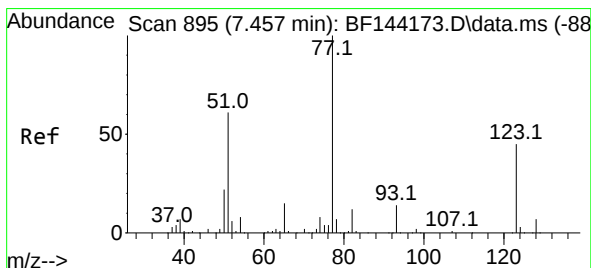
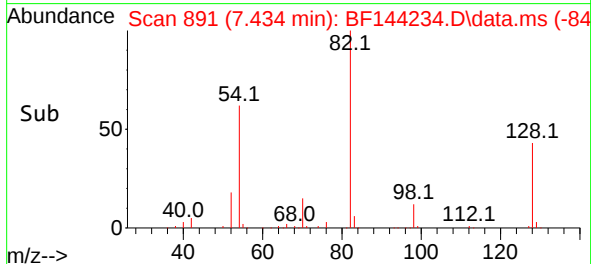
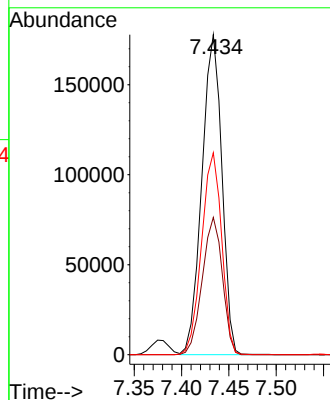
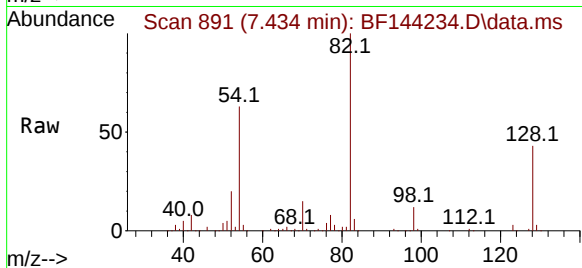
PB170473BSD

Tgt Ion: 82 Resp: 26055  
 Ion Ratio Lower Upper  
 82 100  
 128 42.9 34.7 52.1  
 54 63.1 49.5 74.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025



#24

Nitrobenzene

Concen: 45.143 ng

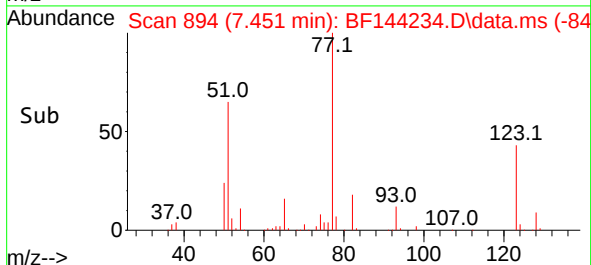
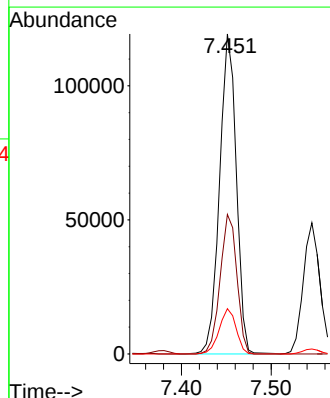
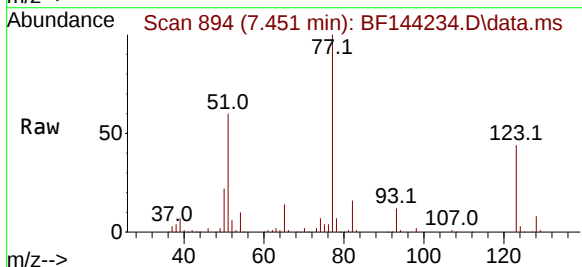
RT: 7.451 min Scan# 894

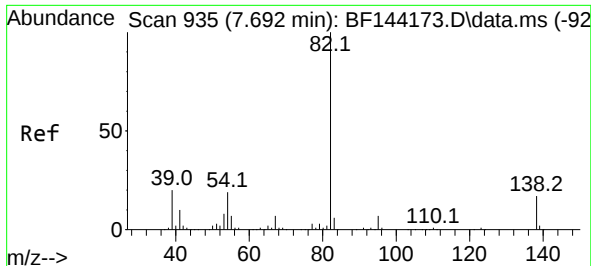
Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Tgt Ion: 77 Resp: 154491  
 Ion Ratio Lower Upper  
 77 100  
 123 43.6 35.8 53.8  
 65 14.1 12.2 18.2





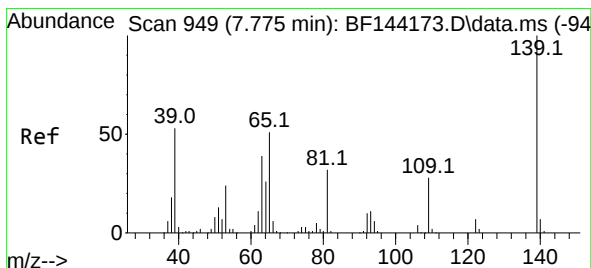
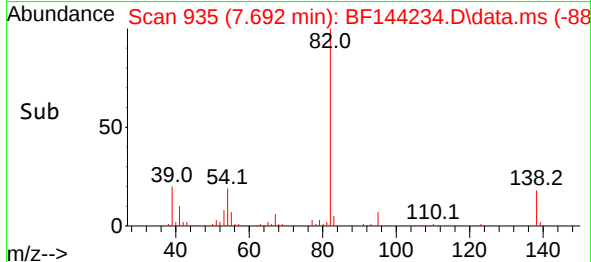
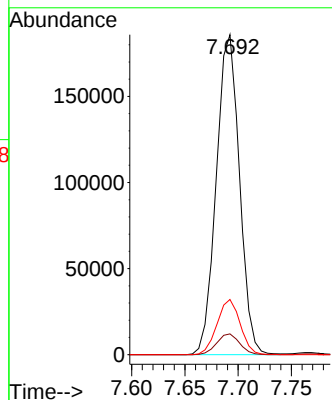
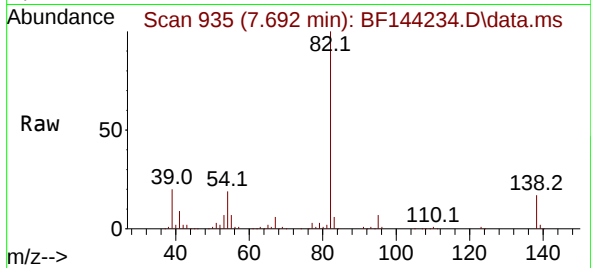
#25  
Isophorone  
Concen: 47.173 ng  
RT: 7.692 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion: 82 Resp: 281239  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.5 8.3  
138 17.2 13.7 20.5

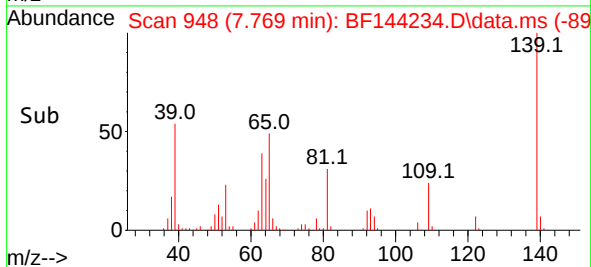
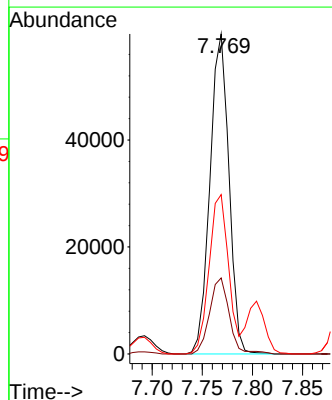
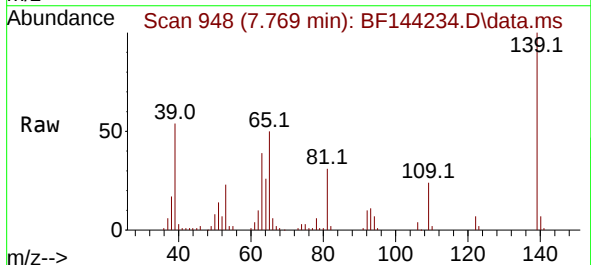
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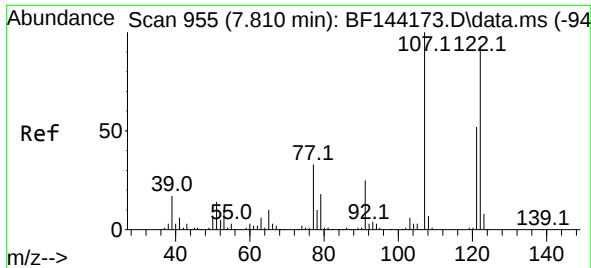
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#26  
2-Nitrophenol  
Concen: 46.566 ng  
RT: 7.769 min Scan# 948  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:139 Resp: 78887  
Ion Ratio Lower Upper  
139 100  
109 23.7 22.2 33.2  
65 49.8 40.7 61.1





#27

2,4-Dimethylphenol

Concen: 50.785 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

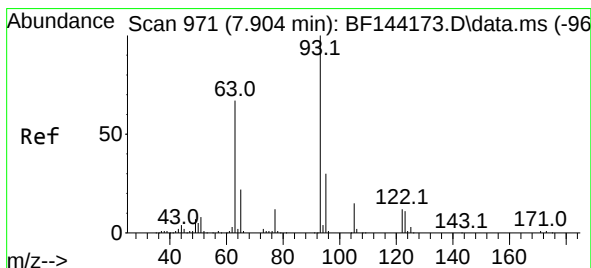
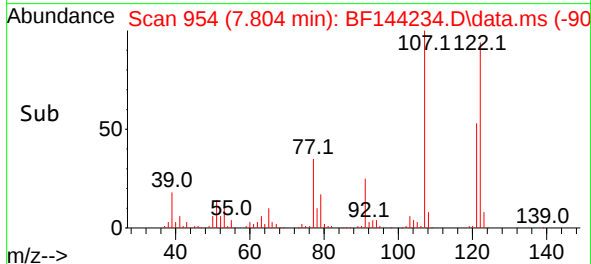
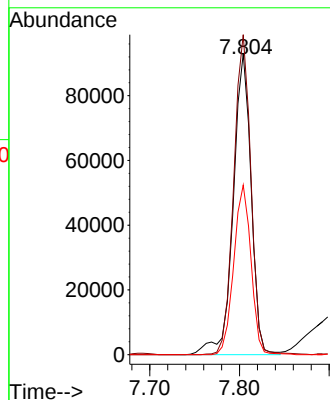
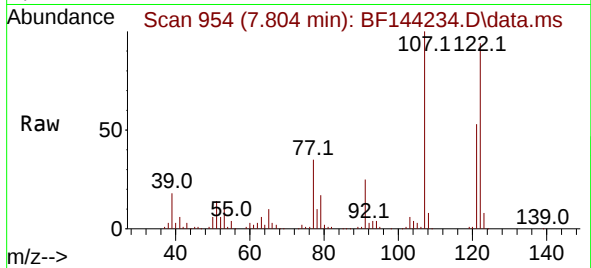
PB170473BSD

Tgt Ion:122 Resp: 12895  
 Ion Ratio Lower Upper  
 122 100  
 107 106.3 86.2 129.4  
 121 56.3 44.6 66.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.563 ng

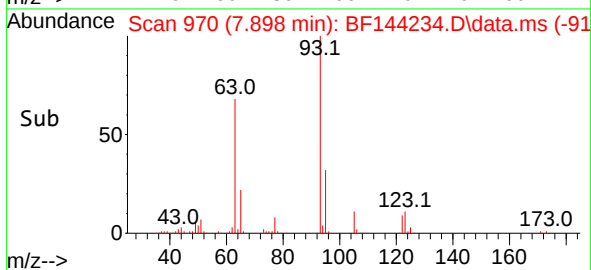
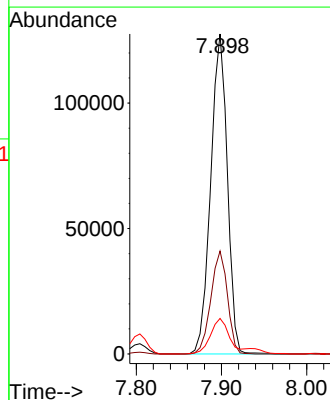
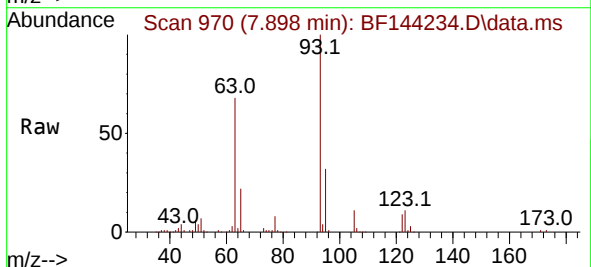
RT: 7.898 min Scan# 970

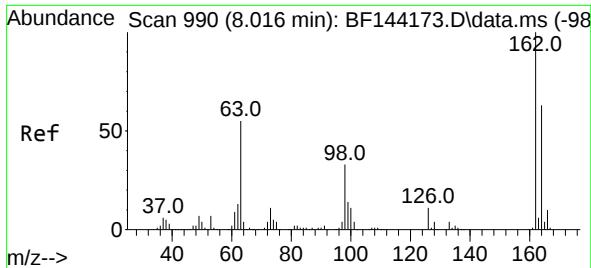
Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Tgt Ion: 93 Resp: 173352  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 24.2 36.4  
 123 11.1 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 42.043 ng

RT: 8.010 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

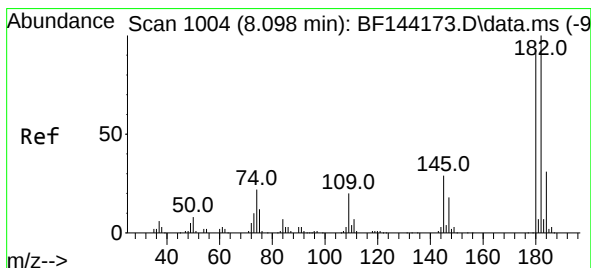
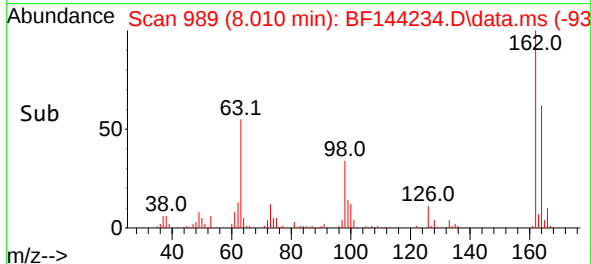
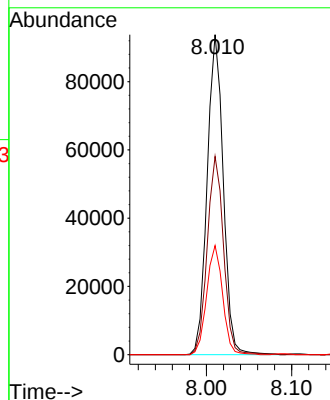
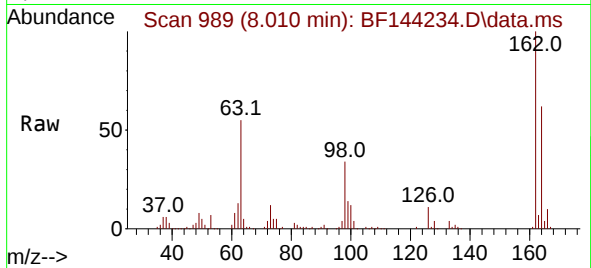
PB170473BSD

Tgt Ion:162 Resp: 123040  
 Ion Ratio Lower Upper  
 162 100  
 164 62.0 42.9 82.9  
 98 34.1 13.3 53.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.873 ng

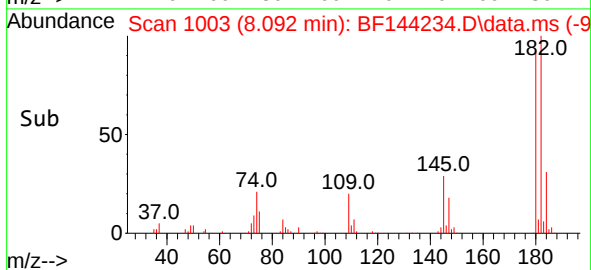
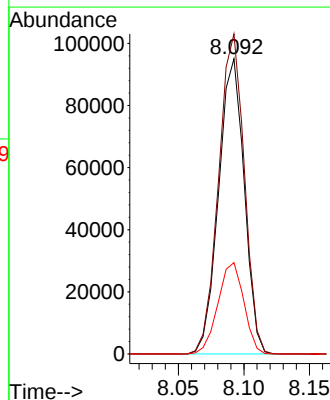
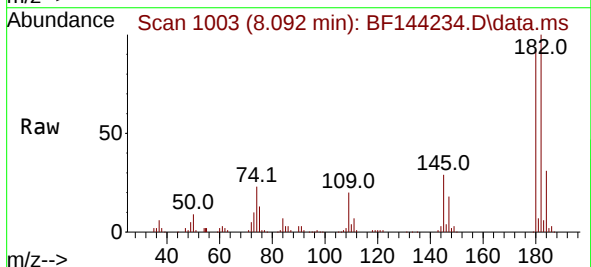
RT: 8.092 min Scan# 1003

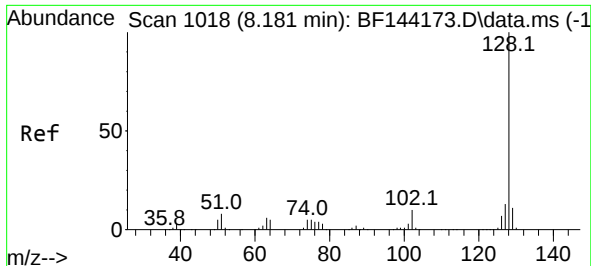
Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Tgt Ion:180 Resp: 128837  
 Ion Ratio Lower Upper  
 180 100  
 182 108.4 87.7 131.5  
 145 31.0 25.4 38.0





#31  
Naphthalene  
Concen: 42.585 ng  
RT: 8.175 min Scan# 1018  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

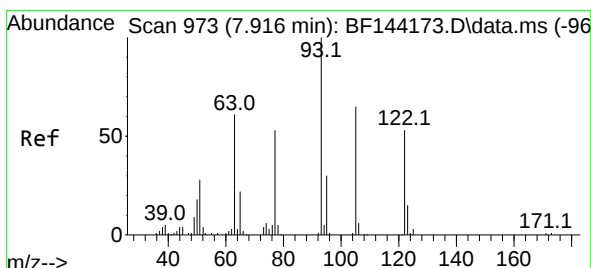
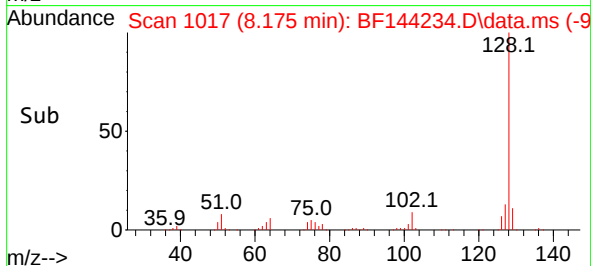
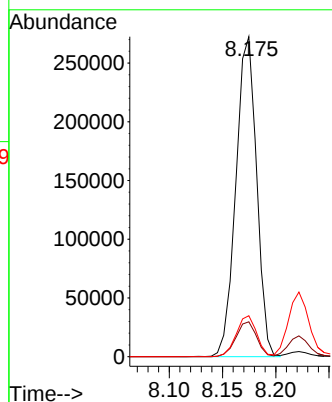
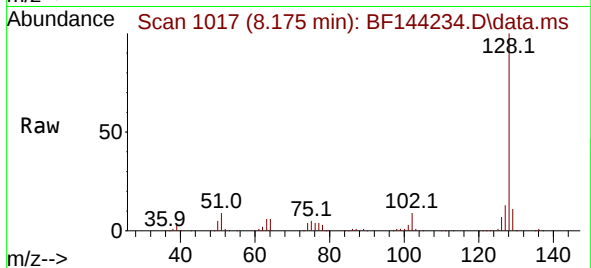
PB170473BSD

Tgt Ion:128 Resp: 368762  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 12.8 10.3 15.5

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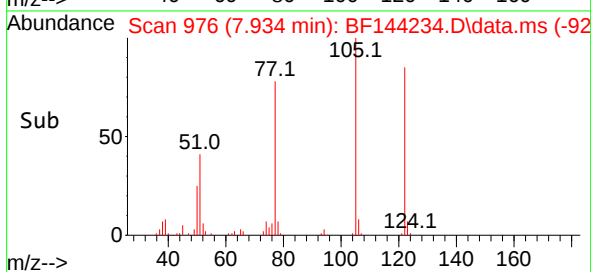
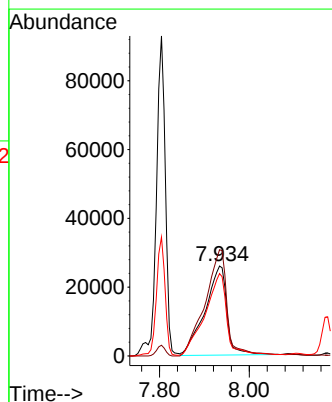
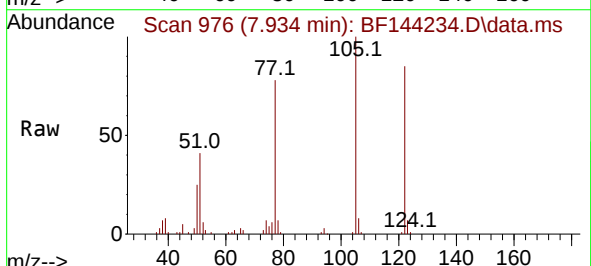
APPROVED

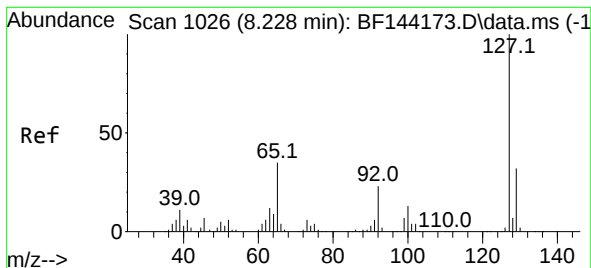
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#32  
Benzoic acid  
Concen: 47.104 ng  
RT: 7.934 min Scan# 976  
Delta R.T. -0.018 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

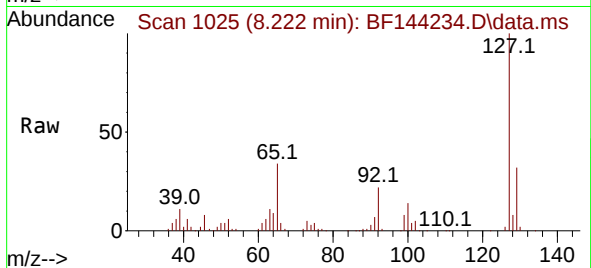
Tgt Ion:122 Resp: 87671  
Ion Ratio Lower Upper  
122 100  
105 118.1 99.9 139.9  
77 91.6 77.5 117.5





#33  
4-Chloroaniline  
Concen: 24.183 ng  
RT: 8.222 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

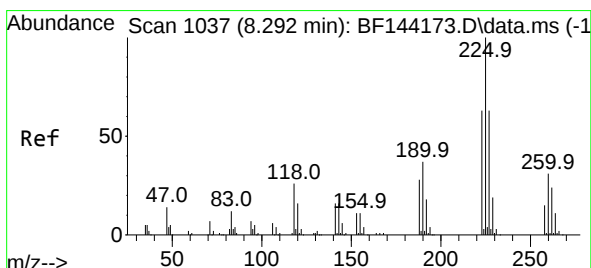
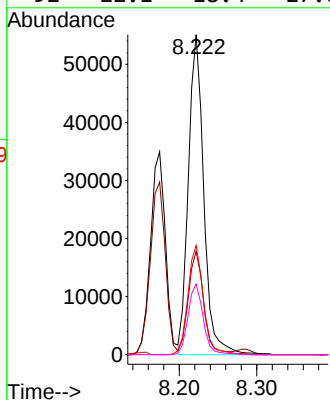
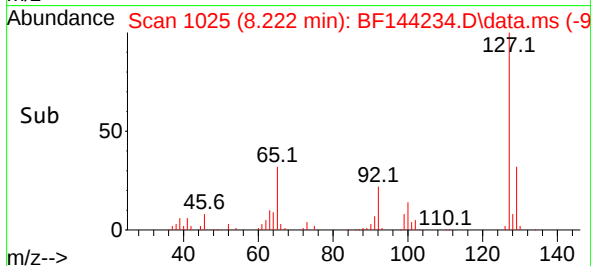
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



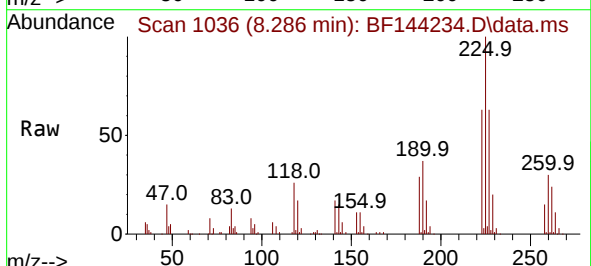
Tgt Ion:127 Resp: 76375  
Ion Ratio Lower Upper  
127 100  
129 32.2 25.3 37.9  
65 34.1 27.6 41.4  
92 22.1 18.4 27.6

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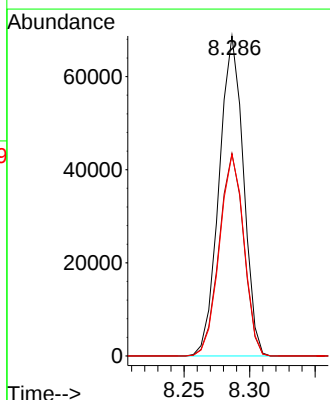
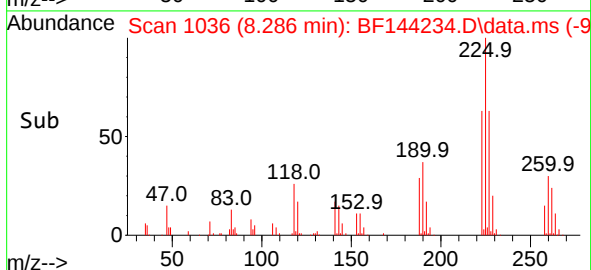
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

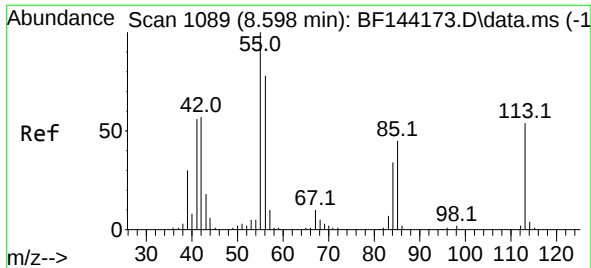


#34  
Hexachlorobutadiene  
Concen: 39.095 ng  
RT: 8.286 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



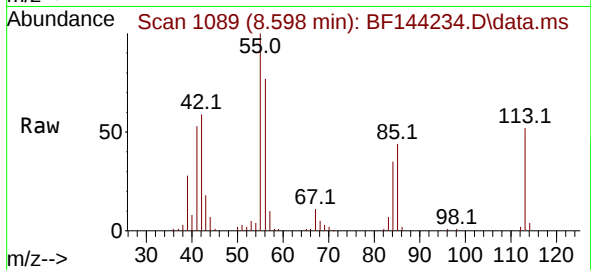
Tgt Ion:225 Resp: 88541  
Ion Ratio Lower Upper  
225 100  
223 63.3 50.2 75.4  
227 62.9 50.1 75.1





#35  
Caprolactam  
Concen: 52.905 ng m  
RT: 8.598 min Scan# 1089  
Delta R.T. -0.024 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

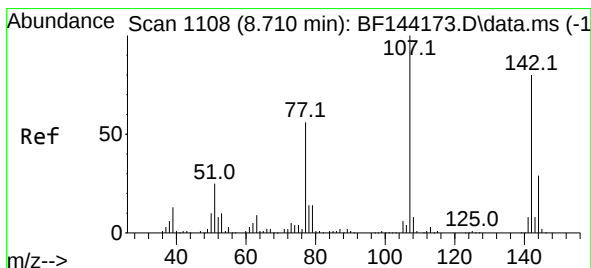
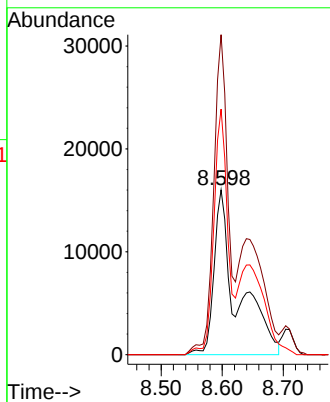
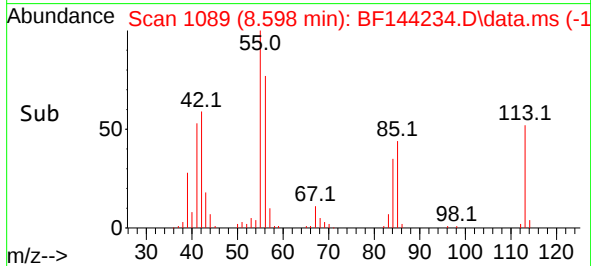
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



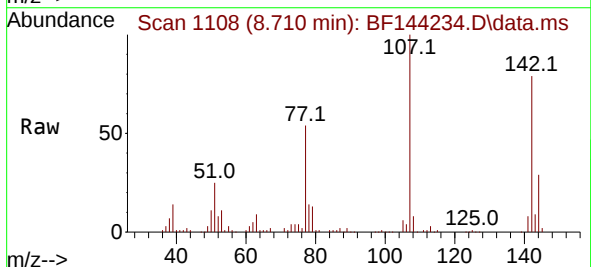
Tgt Ion:113 Resp: 42418  
Ion Ratio Lower Upper  
113 100  
55 194.1 166.8 206.8  
56 149.0 125.9 165.9

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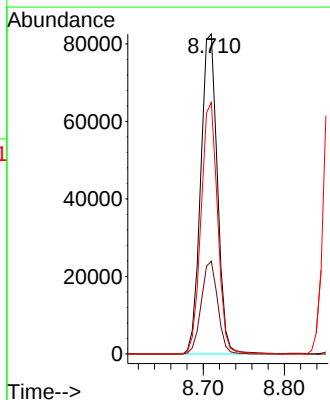
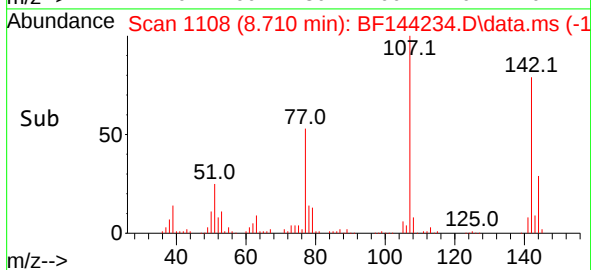
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

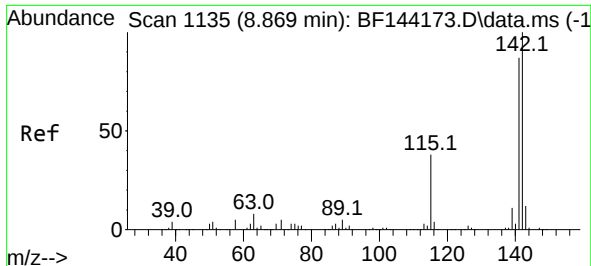


#36  
4-Chloro-3-methylphenol  
Concen: 44.853 ng  
RT: 8.710 min Scan# 1108  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:107 Resp: 117638  
Ion Ratio Lower Upper  
107 100  
144 29.0 23.3 34.9  
142 78.6 63.8 95.6





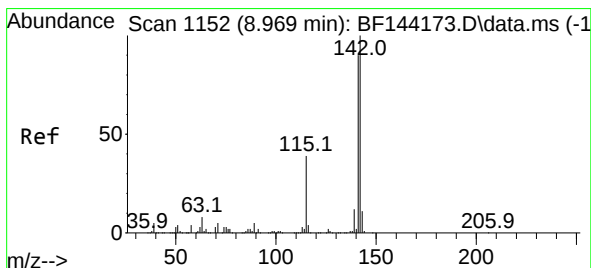
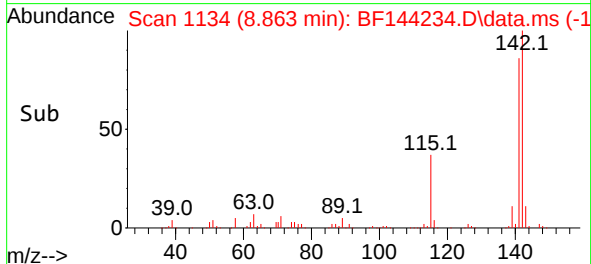
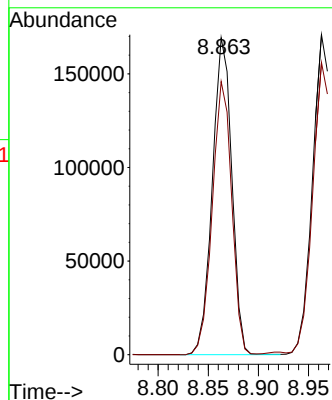
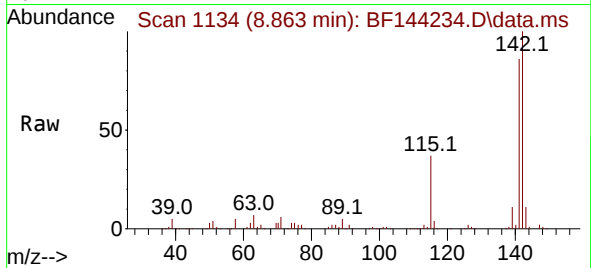
#37  
2-Methylnaphthalene  
Concen: 39.461 ng  
RT: 8.863 min Scan# 1135  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion:142 Resp: 22846  
Ion Ratio Lower Upper  
142 100  
141 86.2 69.9 104.9

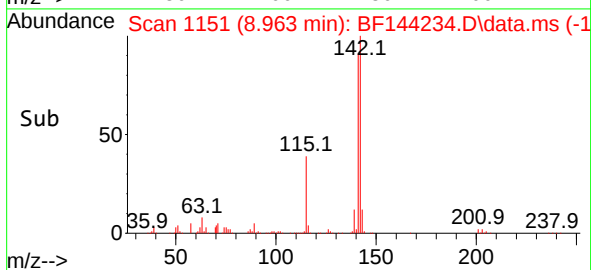
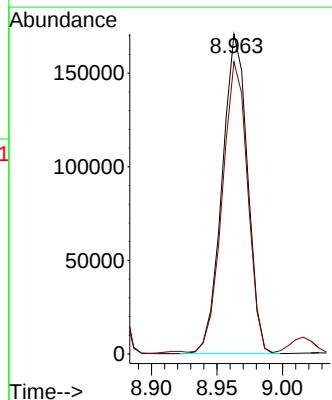
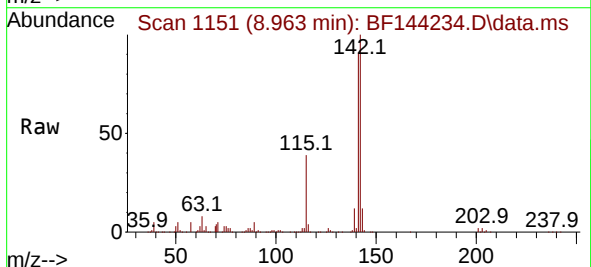
Manual Integrations  
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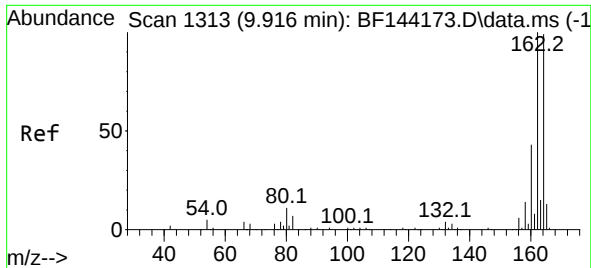
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#38  
1-Methylnaphthalene  
Concen: 41.149 ng  
RT: 8.963 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

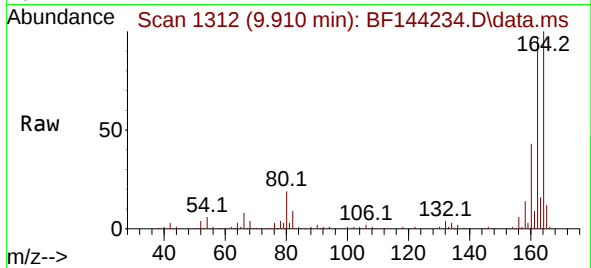
Tgt Ion:142 Resp: 229875  
Ion Ratio Lower Upper  
142 100  
141 91.3 72.1 108.1





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

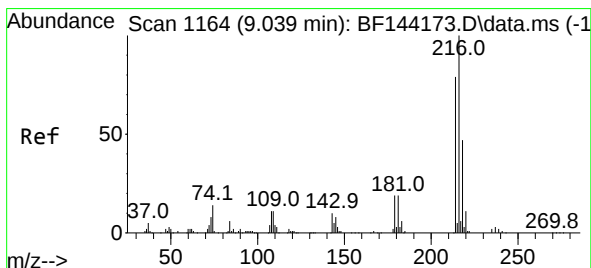
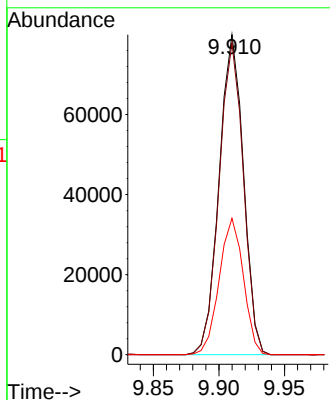
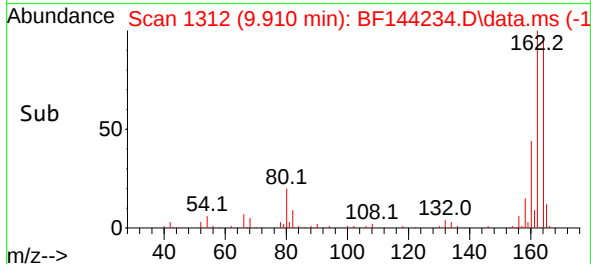
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



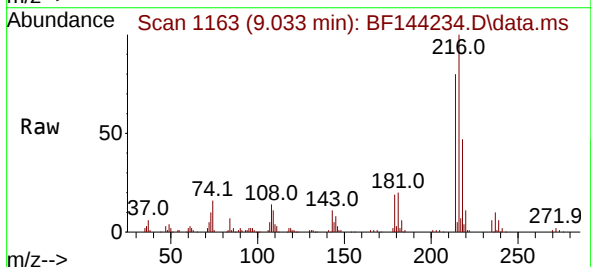
Tgt Ion:164 Resp: 10314  
Ion Ratio Lower Upper  
164 100  
162 97.4 81.1 121.7  
160 42.6 34.5 51.7

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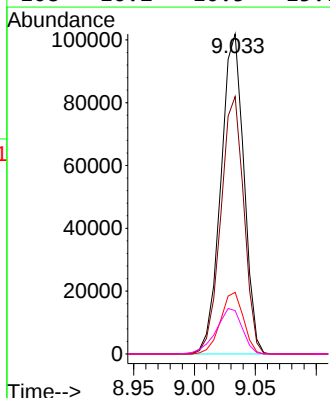
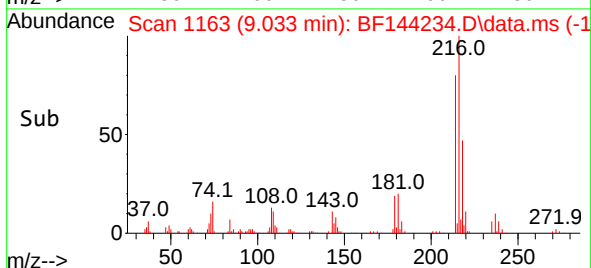
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

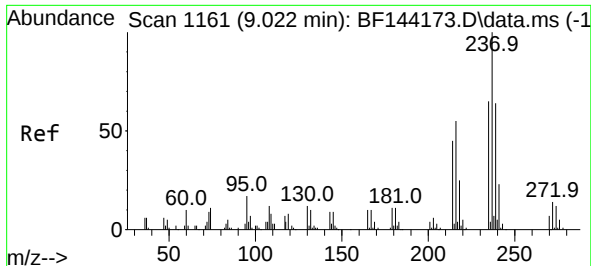


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.646 ng  
RT: 9.033 min Scan# 1163  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



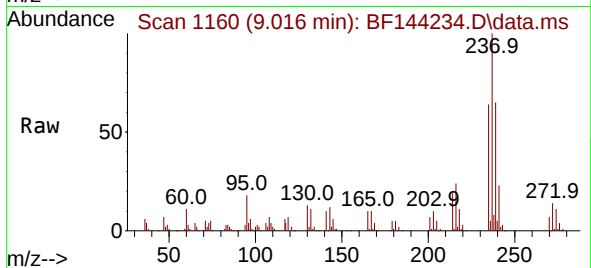
Tgt Ion:216 Resp: 134021  
Ion Ratio Lower Upper  
216 100  
214 80.2 63.4 95.2  
179 19.3 15.0 22.4  
108 16.2 10.5 15.7#





#41  
Hexachlorocyclopentadiene  
Concen: 86.623 ng  
RT: 9.016 min Scan# 1161  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

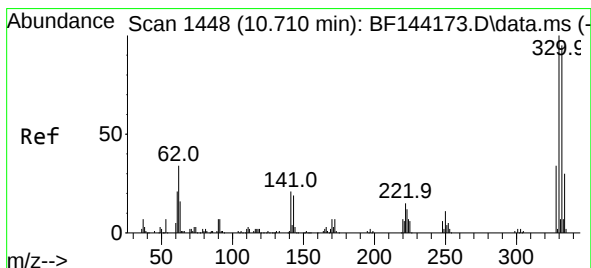
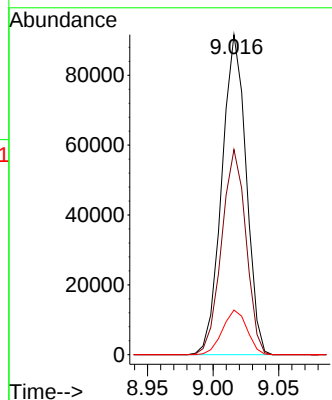
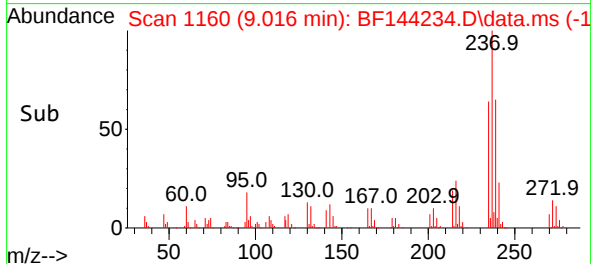
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



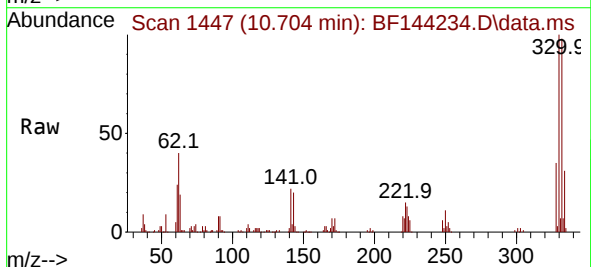
Tgt Ion:237 Resp: 118150  
Ion Ratio Lower Upper  
237 100  
235 64.1 45.5 85.5  
272 14.0 0.0 33.5

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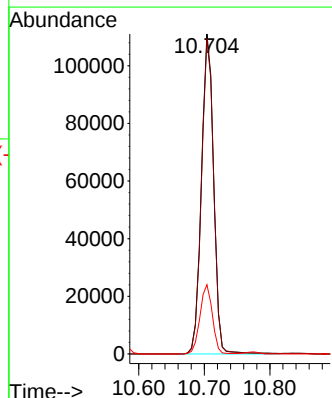
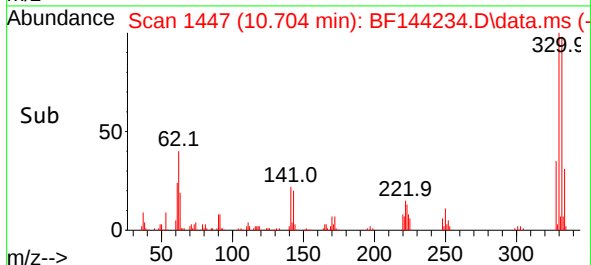
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

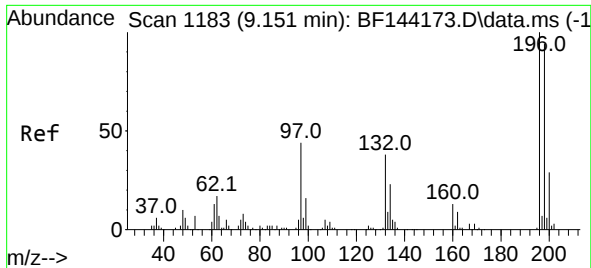


#42  
2,4,6-Tribromophenol  
Concen: 111.709 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:330 Resp: 144593  
Ion Ratio Lower Upper  
330 100  
332 98.2 76.7 115.1  
141 21.9 17.8 26.8





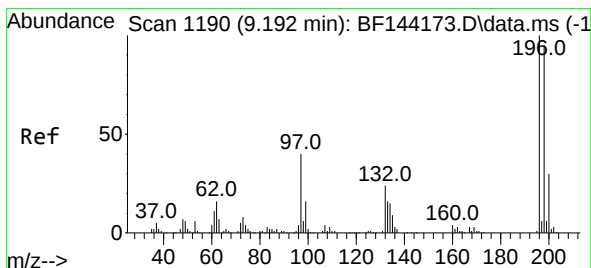
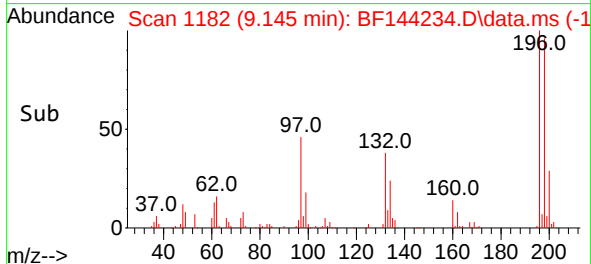
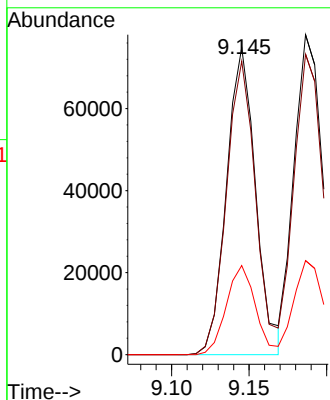
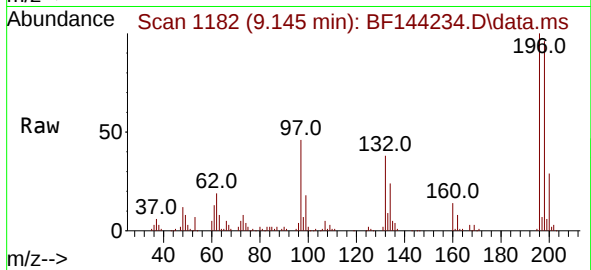
#43  
2,4,6-Trichlorophenol  
Concen: 42.510 ng  
RT: 9.145 min Scan# 1182  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion:196 Resp: 97808  
Ion Ratio Lower Upper  
196 100  
198 95.6 75.3 112.9  
200 29.0 23.4 35.2

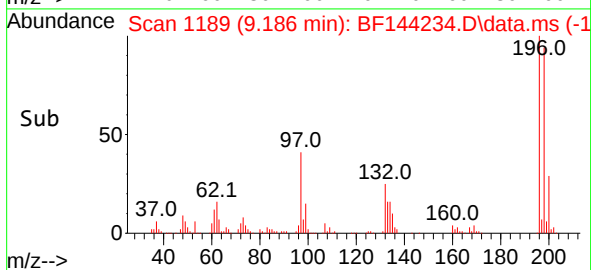
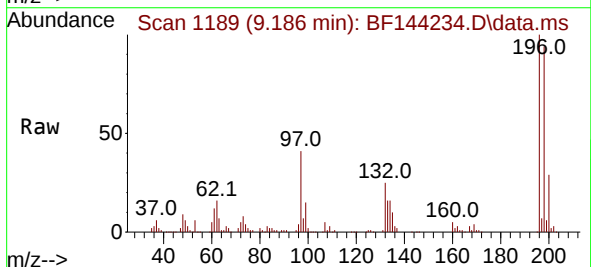
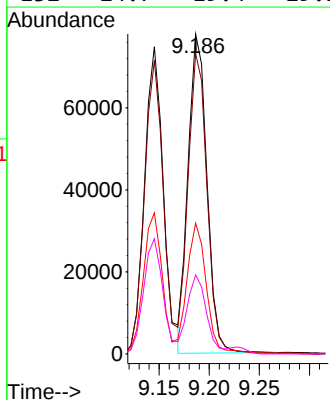
Manual Integrations  
APPROVED

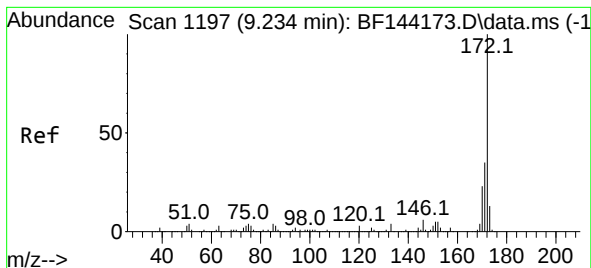
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#44  
2,4,5-Trichlorophenol  
Concen: 41.089 ng  
RT: 9.186 min Scan# 1189  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:196 Resp: 101890  
Ion Ratio Lower Upper  
196 100  
198 93.9 76.1 114.1  
97 40.9 31.9 47.9  
132 24.7 19.4 29.2





#45

2-Fluorobiphenyl

Concen: 74.949 ng

RT: 9.228 min Scan# 1196

Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

Tgt Ion:172 Resp: 52343

Ion Ratio Lower Upper

172 100

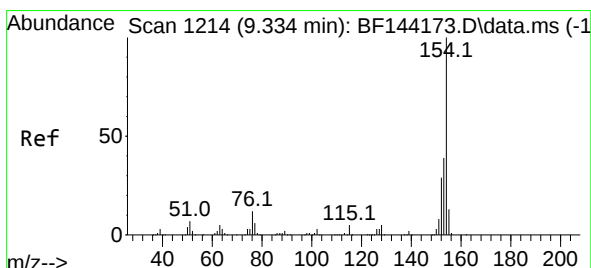
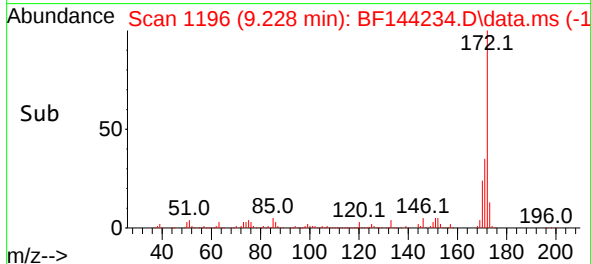
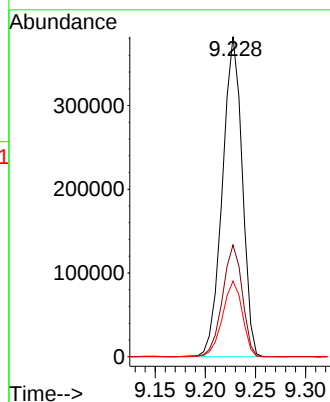
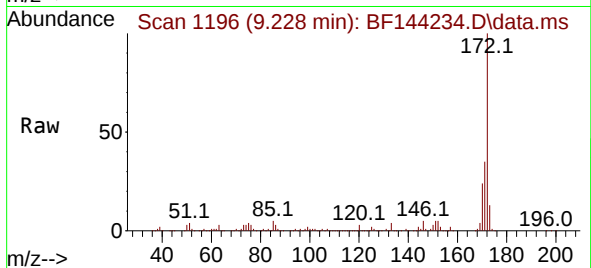
171 34.9 28.1 42.1

170 23.6 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#46

1,1'-Biphenyl

Concen: 42.491 ng

RT: 9.328 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

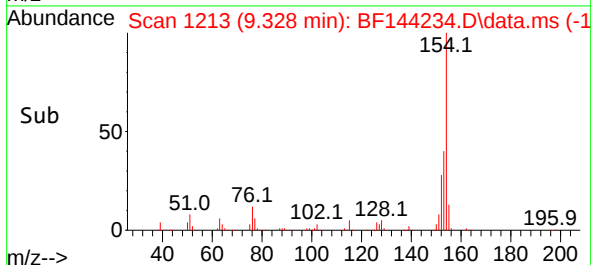
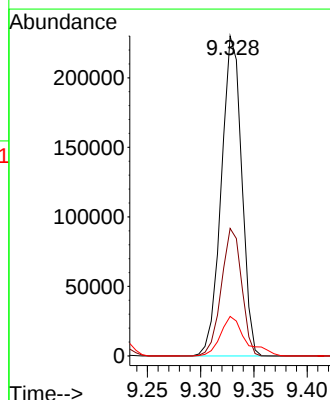
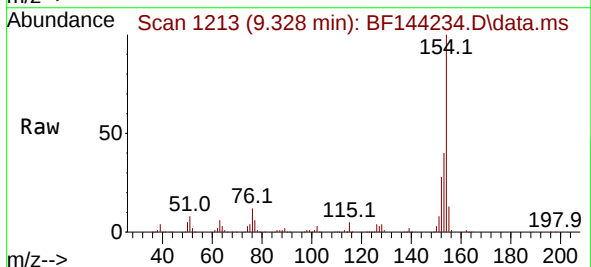
Tgt Ion:154 Resp: 305932

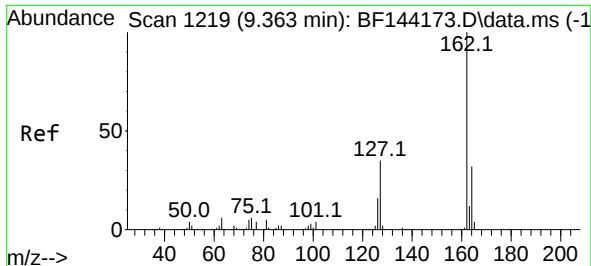
Ion Ratio Lower Upper

154 100

153 39.8 19.2 59.2

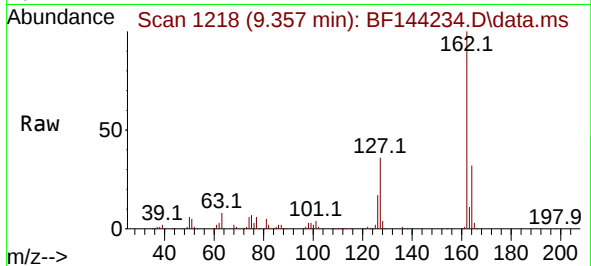
76 12.3 0.0 31.8





#47  
2-Chloronaphthalene  
Concen: 41.732 ng  
RT: 9.357 min Scan# 1218  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

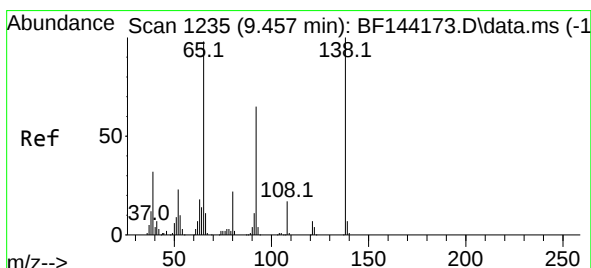
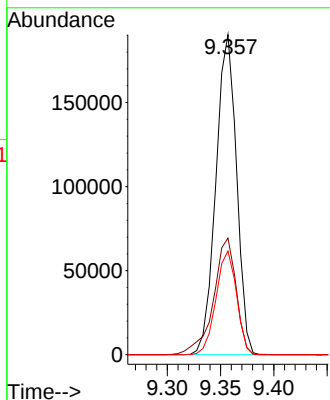
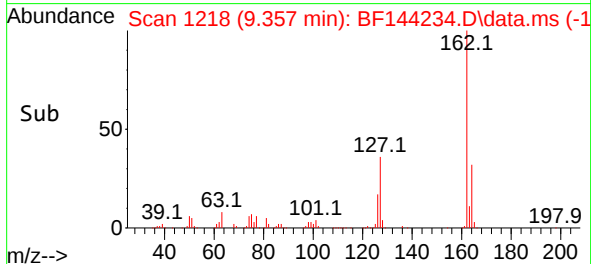
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:162 Resp: 256304  
Ion Ratio Lower Upper  
162 100  
127 36.4 28.8 43.2  
164 32.4 25.8 38.8

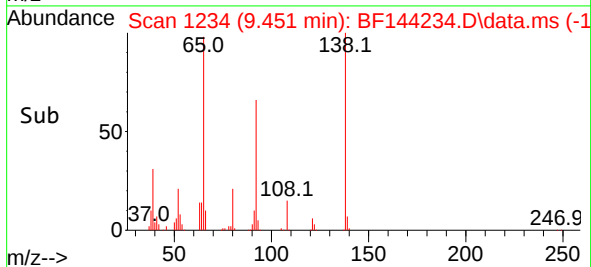
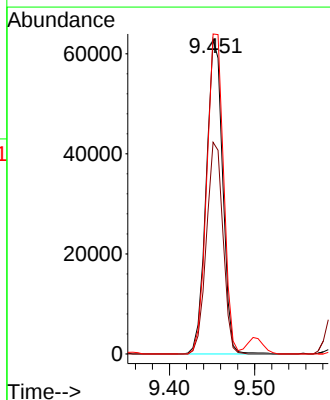
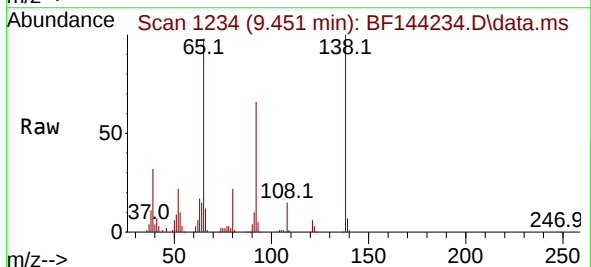
Manual Integrations  
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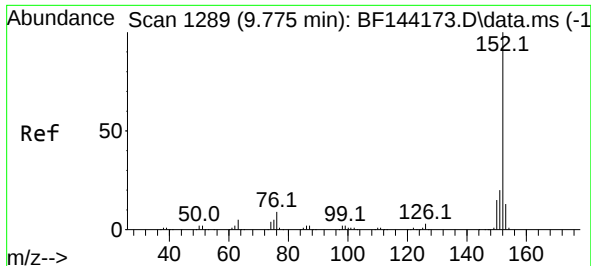
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#48  
2-Nitroaniline  
Concen: 47.485 ng  
RT: 9.451 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

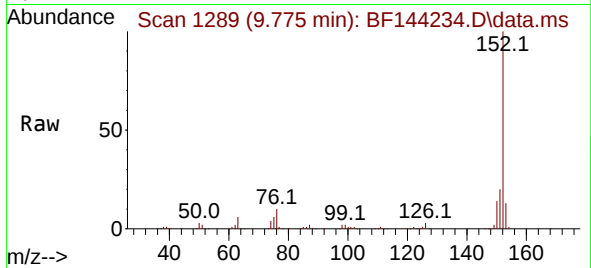
Tgt Ion: 65 Resp: 84147  
Ion Ratio Lower Upper  
65 100  
92 67.3 53.0 79.6  
138 101.8 81.6 122.4





#49  
Acenaphthylene  
Concen: 47.150 ng  
RT: 9.775 min Scan# 1289  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

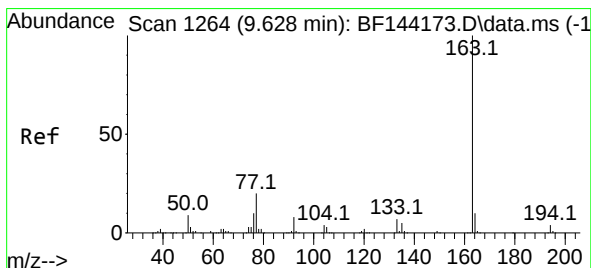
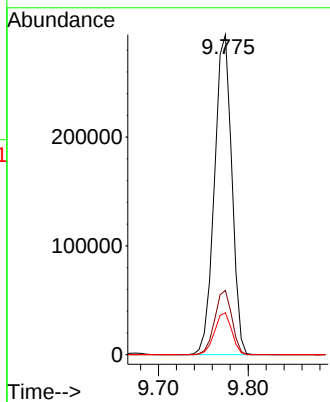
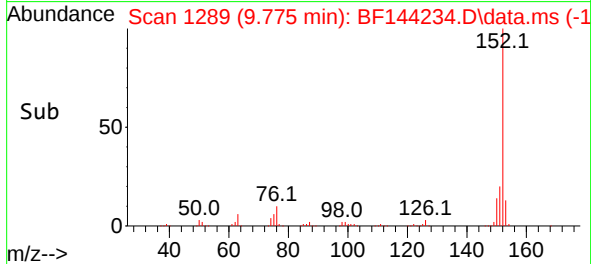
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



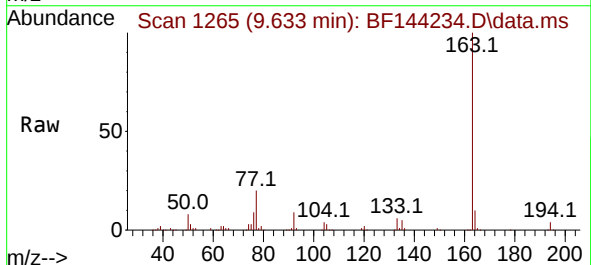
Tgt Ion:152 Resp: 39462  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.9 23.9  
153 13.1 10.5 15.7

Manual Integrations  
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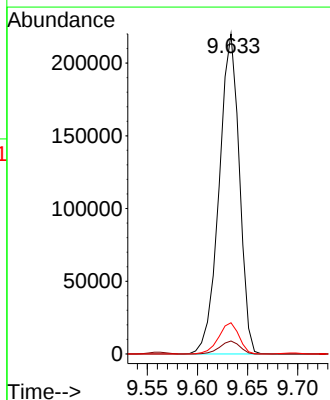
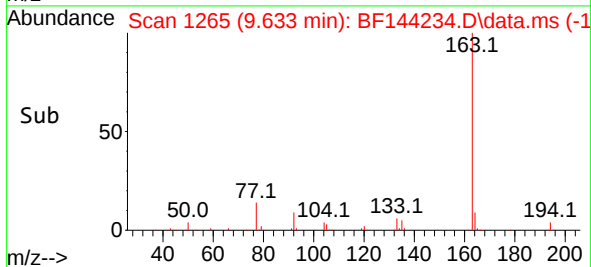
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

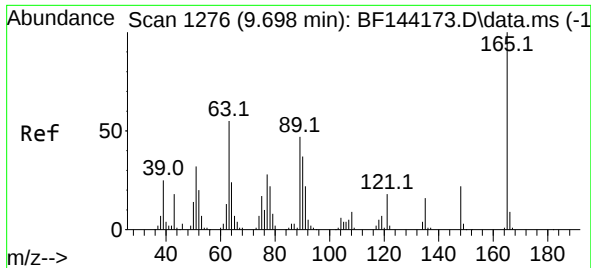


#50  
Dimethylphthalate  
Concen: 45.063 ng  
RT: 9.633 min Scan# 1265  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:163 Resp: 307927  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 9.8 8.1 12.1





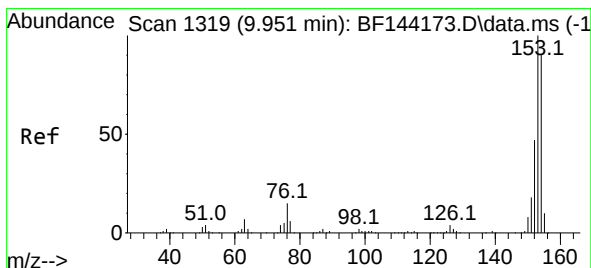
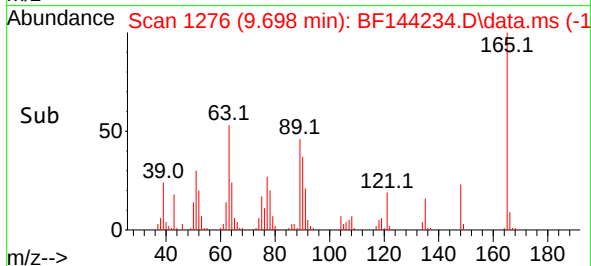
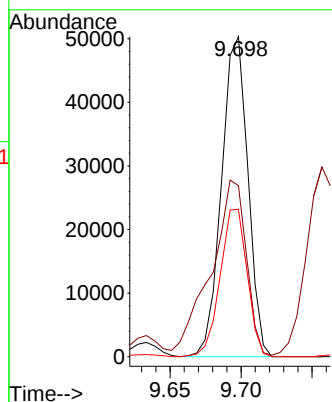
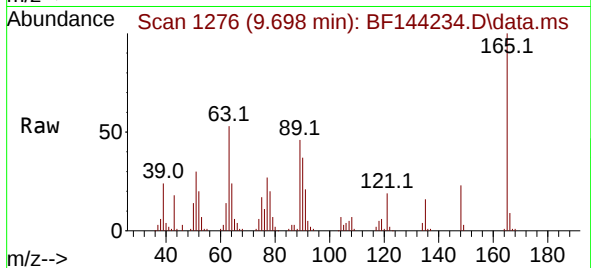
#51  
2,6-Dinitrotoluene  
Concen: 47.072 ng  
RT: 9.698 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion:165 Resp: 65114  
Ion Ratio Lower Upper  
165 100  
63 53.4 43.8 65.8  
89 46.0 37.5 56.3

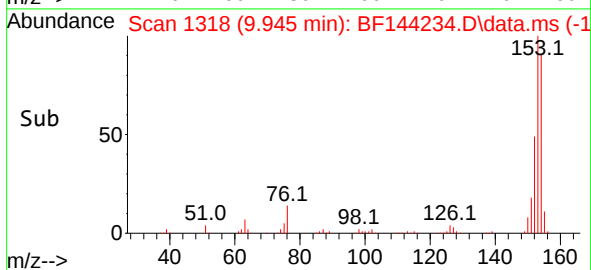
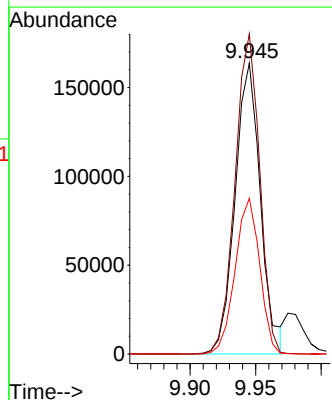
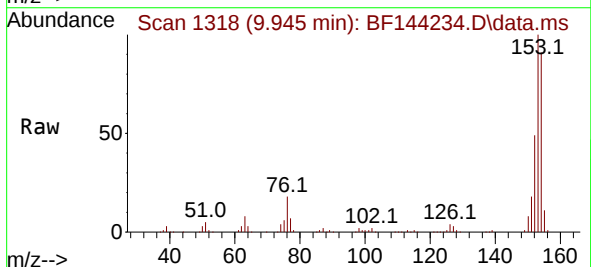
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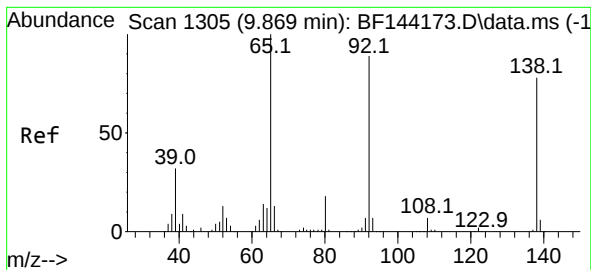
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#52  
Acenaphthene  
Concen: 39.486 ng  
RT: 9.945 min Scan# 1318  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

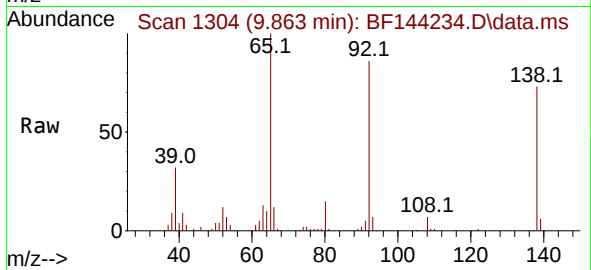
Tgt Ion:154 Resp: 220995  
Ion Ratio Lower Upper  
154 100  
153 110.0 89.0 133.4  
152 53.5 42.2 63.4





#53  
3-Nitroaniline  
Concen: 32.084 ng  
RT: 9.863 min Scan# 1304  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

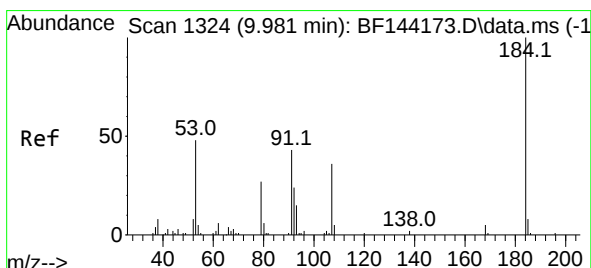
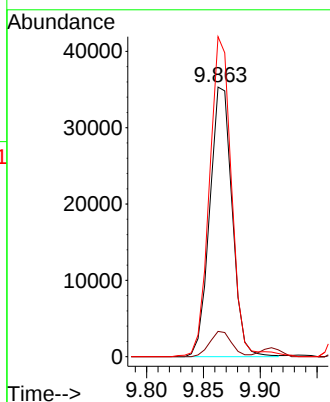
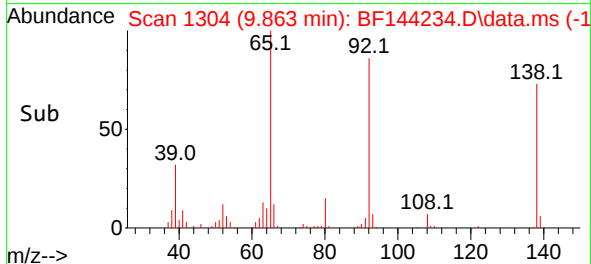
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:138 Resp: 4851  
Ion Ratio Lower Upper  
138 100  
108 9.4 7.5 11.3  
92 118.7 91.8 137.6

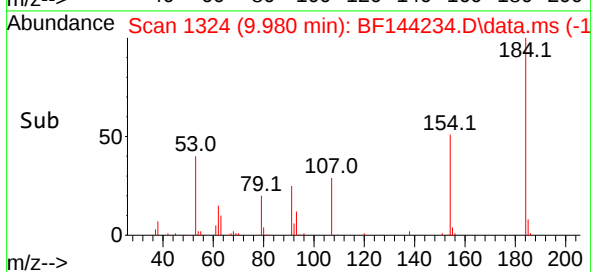
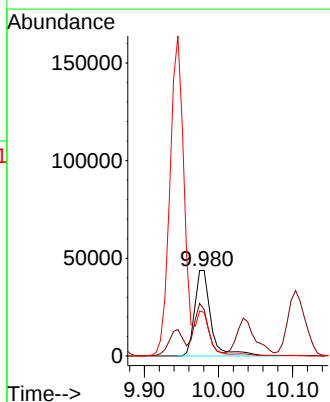
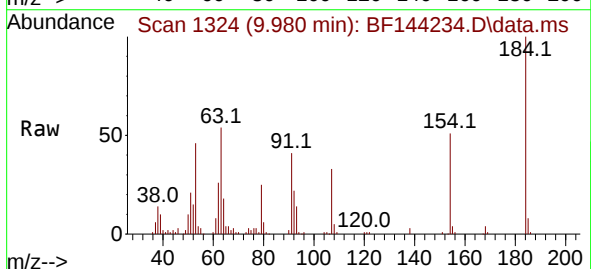
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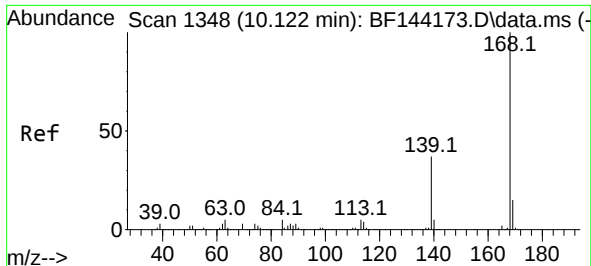
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#54  
2,4-Dinitrophenol  
Concen: 80.117 ng  
RT: 9.980 min Scan# 1324  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

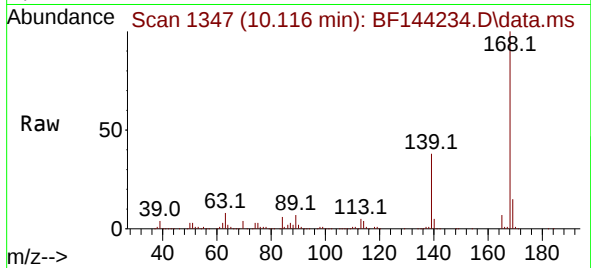
Tgt Ion:184 Resp: 66922  
Ion Ratio Lower Upper  
184 100  
63 54.4 44.0 66.0  
154 50.8 42.4 63.6





#55  
Dibenzenofuran  
Concen: 41.204 ng  
RT: 10.116 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

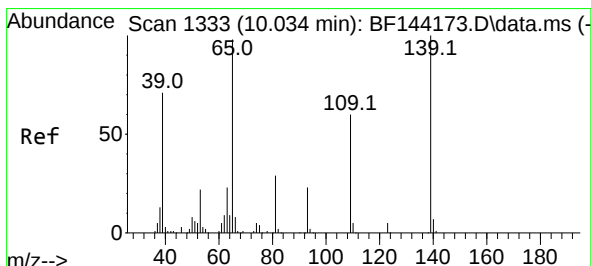
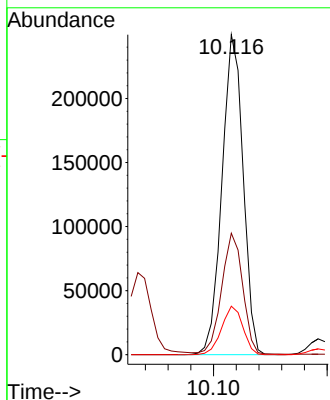
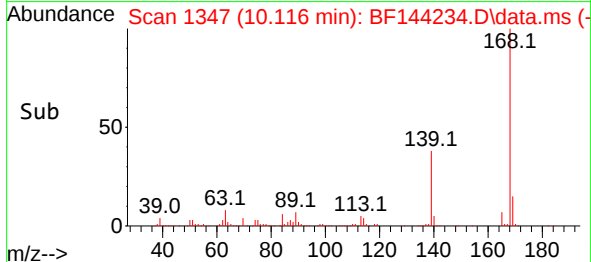
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:168 Resp: 322980  
Ion Ratio Lower Upper  
168 100  
139 37.9 30.2 45.2  
169 15.2 12.2 18.4

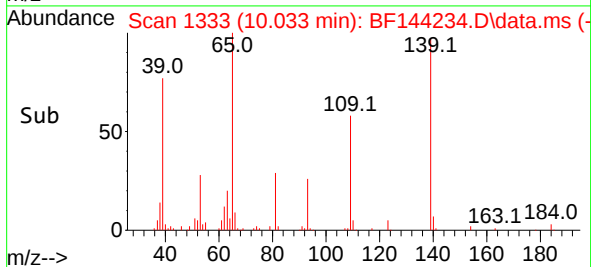
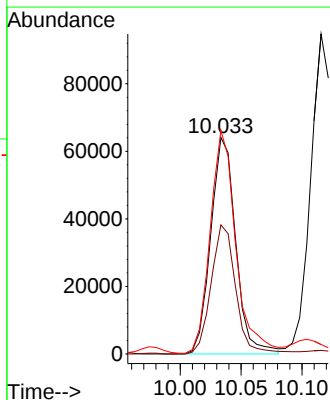
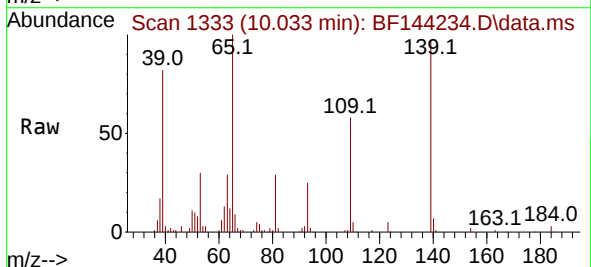
Manual Integrations  
APPROVED

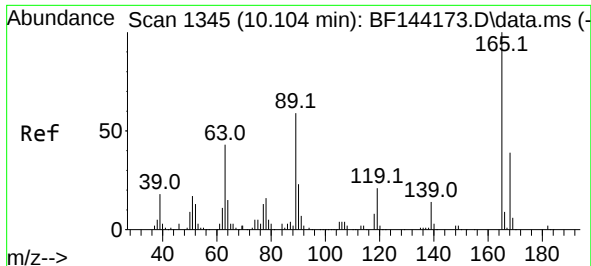
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#56  
4-Nitrophenol  
Concen: 83.722 ng  
RT: 10.033 min Scan# 1333  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

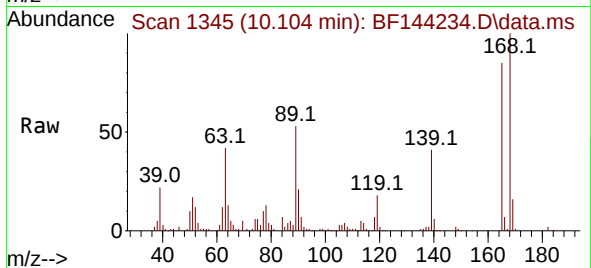
Tgt Ion:139 Resp: 91577  
Ion Ratio Lower Upper  
139 100  
109 59.6 39.9 79.9  
65 103.3 79.5 119.5





#57  
2,4-Dinitrotoluene  
Concen: 46.631 ng  
RT: 10.104 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

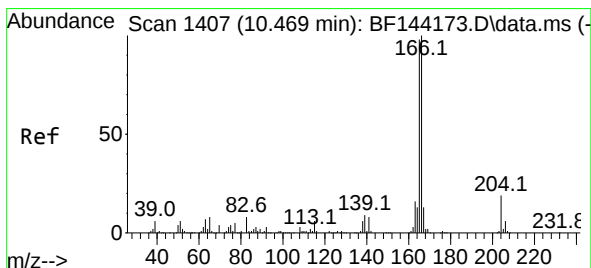
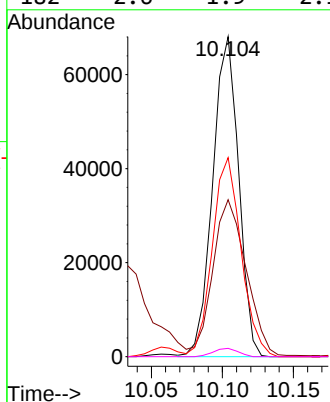
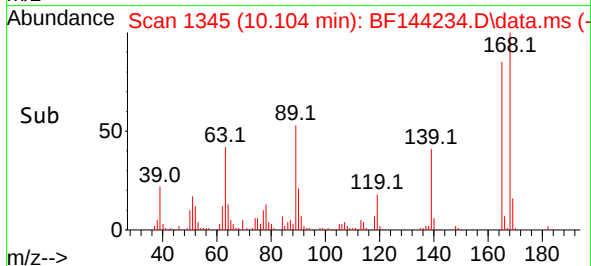
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



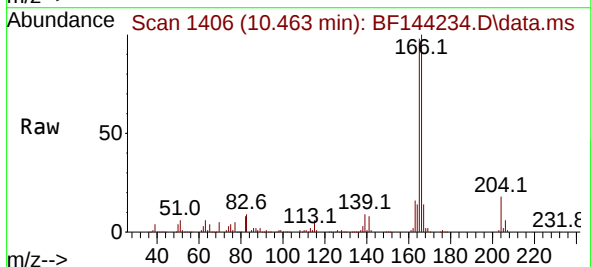
Tgt Ion:165 Resp: 86350  
Ion Ratio Lower Upper  
165 100  
63 49.1 35.5 53.3  
89 62.2 47.4 71.2  
182 2.6 1.9 2.9

Manual Integrations  
APPROVED

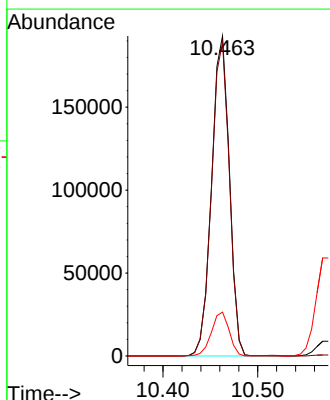
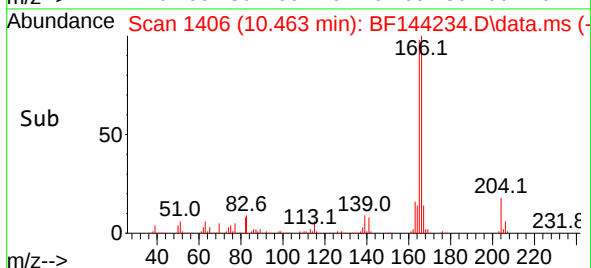
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

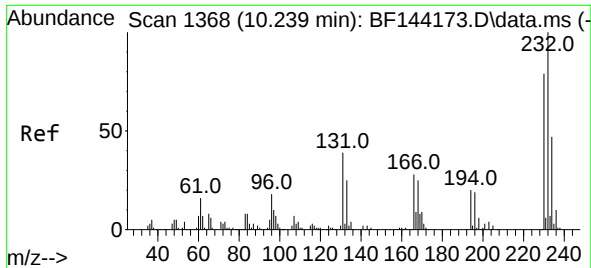


#58  
Fluorene  
Concen: 42.155 ng  
RT: 10.463 min Scan# 1406  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



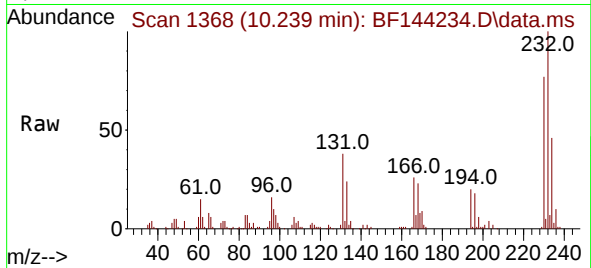
Tgt Ion:166 Resp: 251230  
Ion Ratio Lower Upper  
166 100  
165 98.0 78.6 118.0  
167 13.7 10.4 15.6





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.790 ng  
RT: 10.239 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

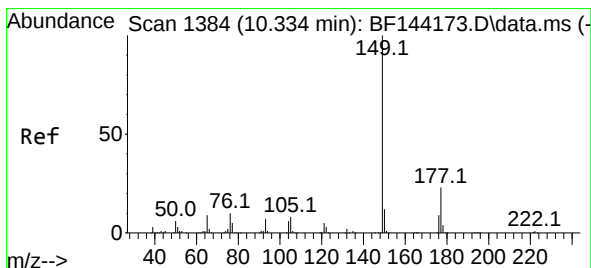
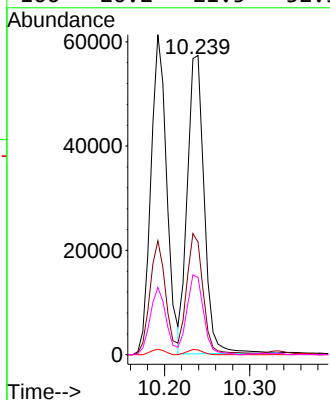
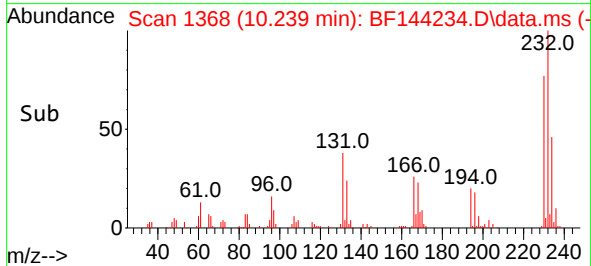
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



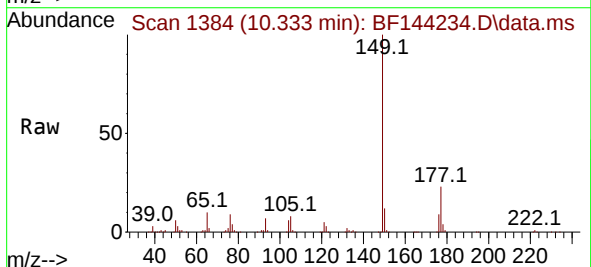
Tgt Ion:232 Resp: 7858  
Ion Ratio Lower Upper  
232 100  
131 39.9 30.3 45.5  
130 1.6 1.2 1.8  
166 26.2 21.5 32.3

Manual Integrations  
APPROVED

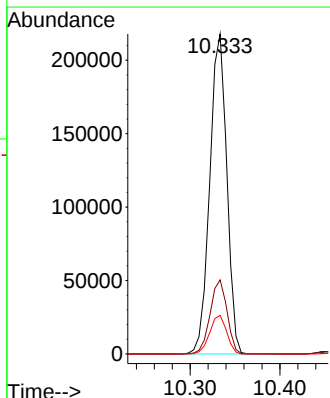
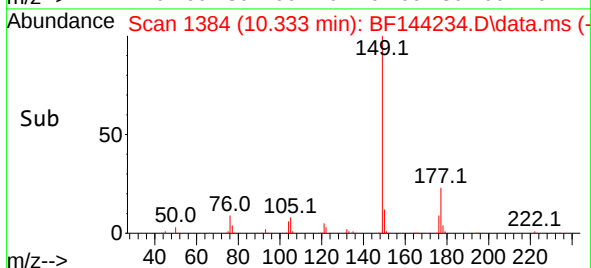
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

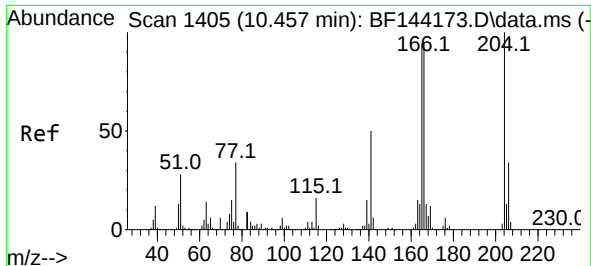


#60  
Diethylphthalate  
Concen: 45.580 ng  
RT: 10.333 min Scan# 1384  
Delta R.T. 0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



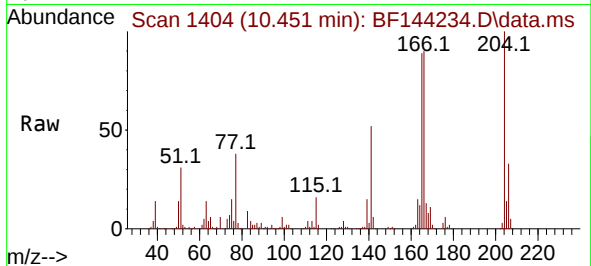
Tgt Ion:149 Resp: 287120  
Ion Ratio Lower Upper  
149 100  
177 23.2 18.3 27.5  
150 12.1 9.8 14.6





#61  
4-Chlorophenyl-phenylether  
Concen: 40.542 ng  
RT: 10.451 min Scan# 1404  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

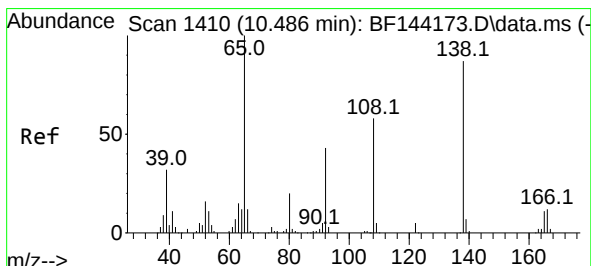
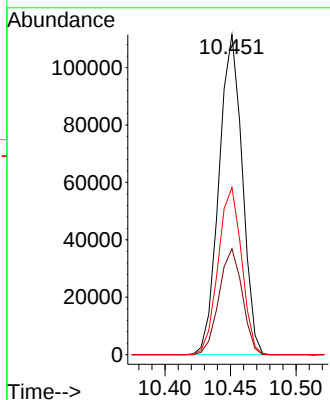
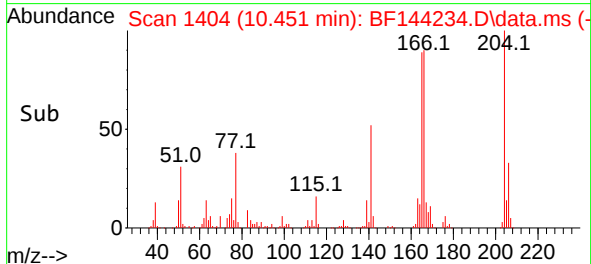
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:204 Resp: 137632  
Ion Ratio Lower Upper  
204 100  
206 33.1 27.4 41.2  
141 52.3 40.0 60.0

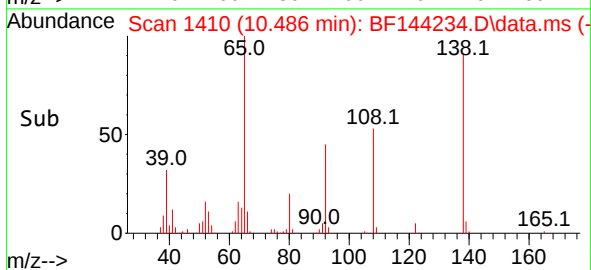
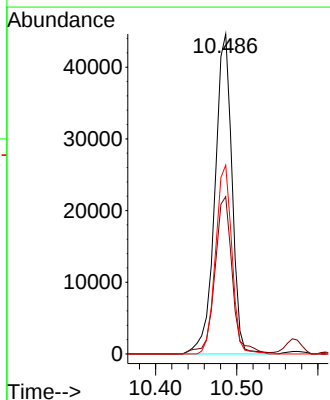
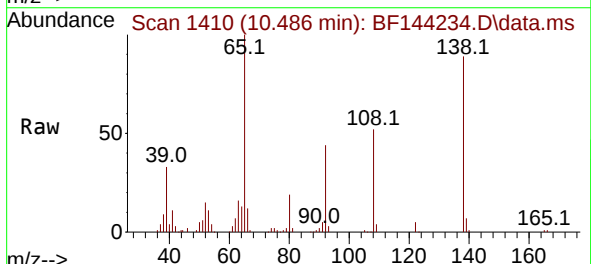
Manual Integrations  
APPROVED

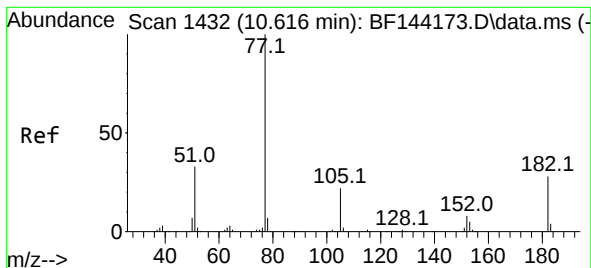
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#62  
4-Nitroaniline  
Concen: 45.421 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. 0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:138 Resp: 65408  
Ion Ratio Lower Upper  
138 100  
92 49.2 29.4 69.4  
108 59.0 46.4 86.4





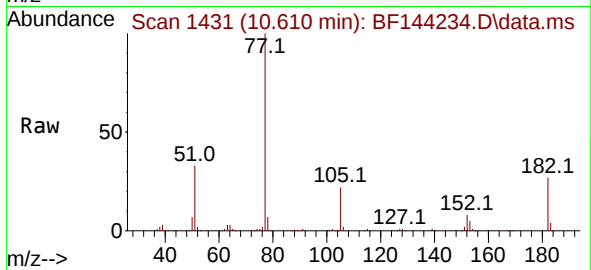
#63  
Azobenzene  
Concen: 47.755 ng  
RT: 10.610 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

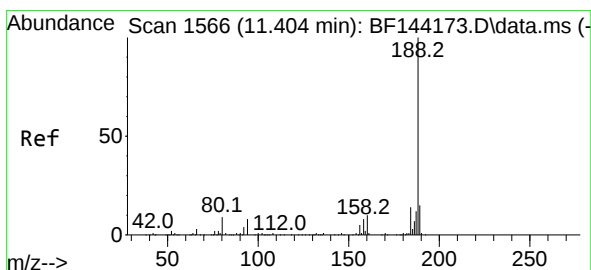
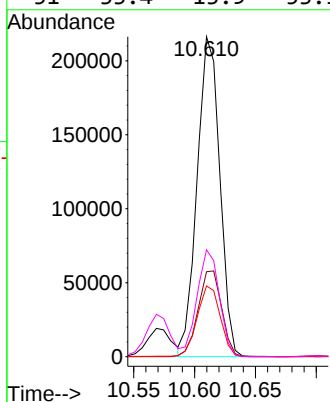
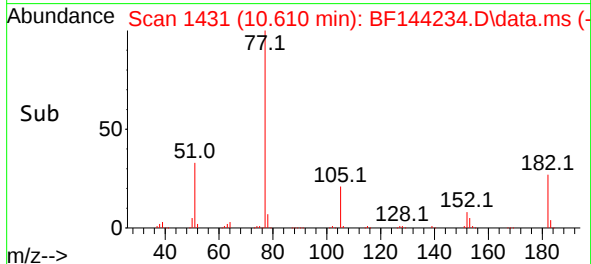


Tgt Ion: 77 Resp: 27996  
Ion Ratio Lower Upper  
77 100  
182 26.5 8.1 48.1  
105 22.1 2.0 42.0  
51 33.4 13.9 53.9

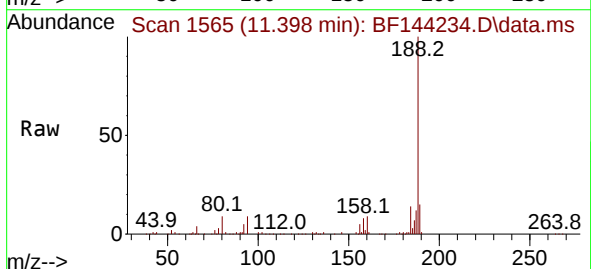
Manual Integrations

APPROVED

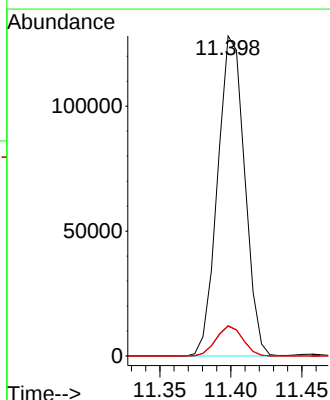
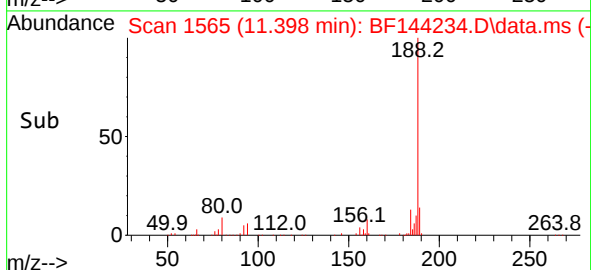
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

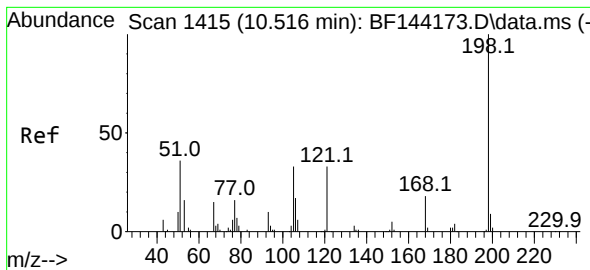


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



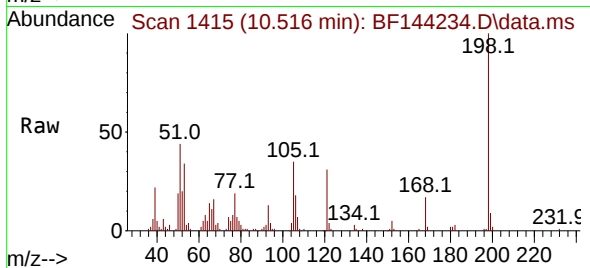
Tgt Ion:188 Resp: 169842  
Ion Ratio Lower Upper  
188 100  
94 9.3 6.2 9.2#  
80 9.5 6.9 10.3





#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.212 ng  
RT: 10.516 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

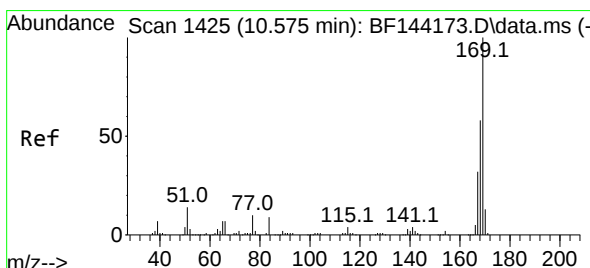
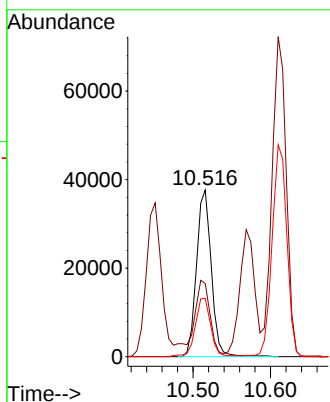
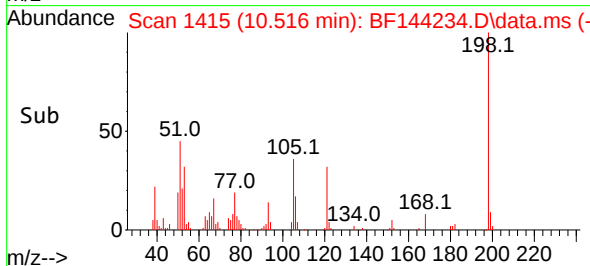
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



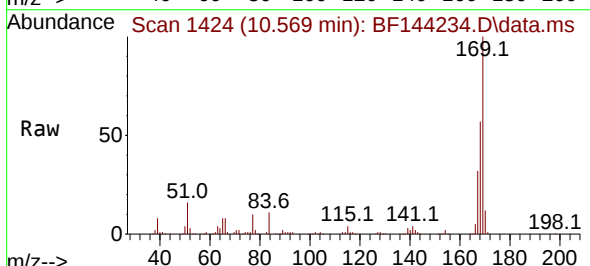
Tgt Ion:198 Resp: 4985  
Ion Ratio Lower Upper  
198 100  
51 43.9 25.6 65.6  
105 35.0 14.6 54.6

Manual Integrations  
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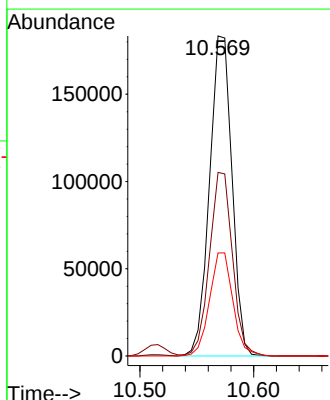
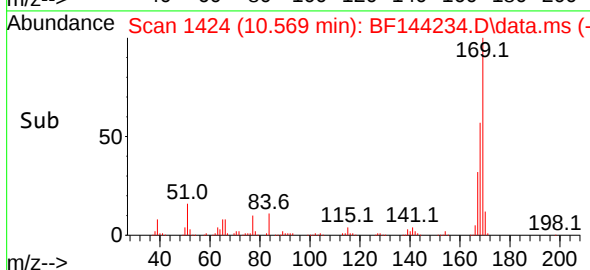
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

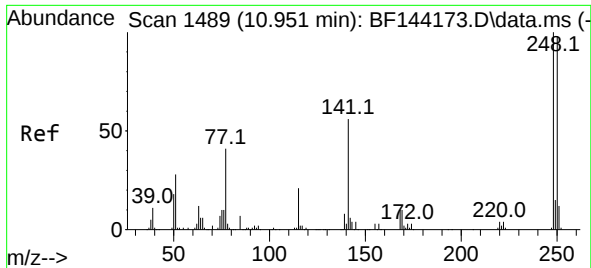


#66  
n-Nitrosodiphenylamine  
Concen: 46.108 ng  
RT: 10.569 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



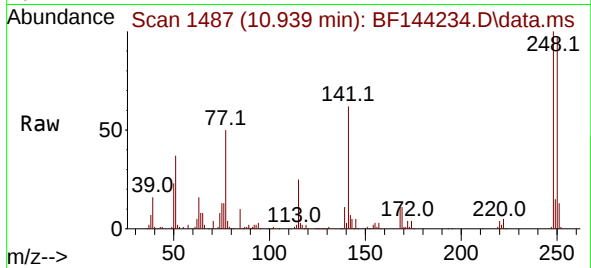
Tgt Ion:169 Resp: 251870  
Ion Ratio Lower Upper  
169 100  
168 57.4 46.2 69.2  
167 32.2 25.7 38.5





#67  
4-Bromophenyl-phenylether  
Concen: 42.838 ng  
RT: 10.939 min Scan# 1487  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

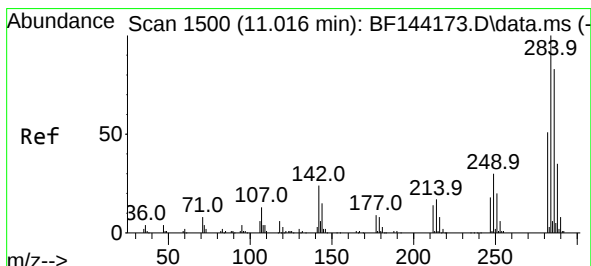
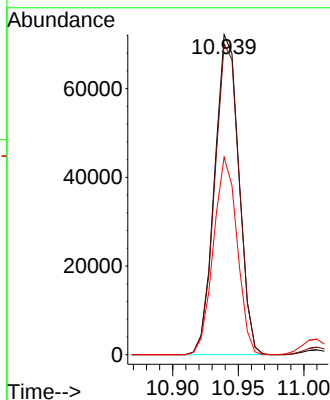
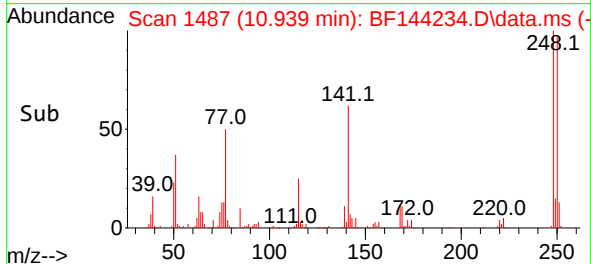
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



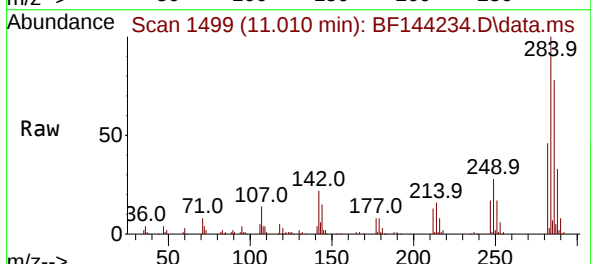
Tgt Ion:248 Resp: 9286  
Ion Ratio Lower Upper  
248 100  
250 97.1 78.4 117.6  
141 61.7 45.1 67.7

Manual Integrations  
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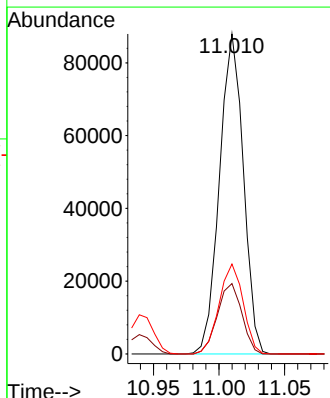
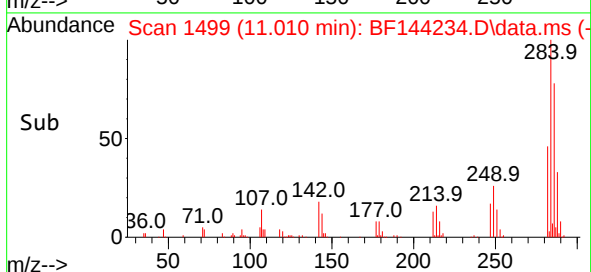
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

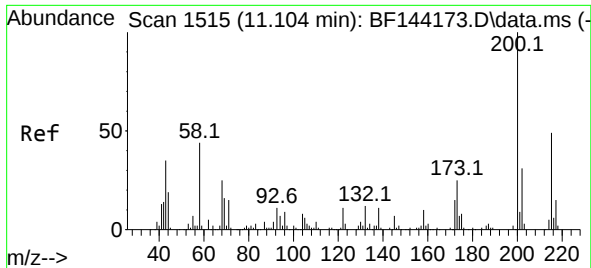


#68  
Hexachlorobenzene  
Concen: 43.560 ng  
RT: 11.010 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



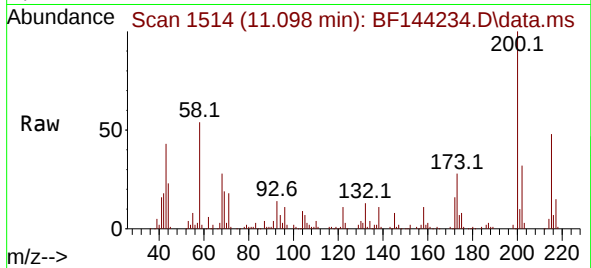
Tgt Ion:284 Resp: 111228  
Ion Ratio Lower Upper  
284 100  
142 22.0 19.2 28.8  
249 28.1 23.8 35.8





#69  
 Atrazine  
 Concen: 49.551 ng  
 RT: 11.098 min Scan# 1514  
 Delta R.T. -0.000 min  
 Lab File: BF144234.D  
 Acq: 12 Nov 2025 17:51

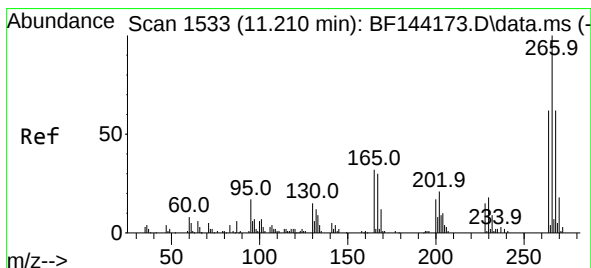
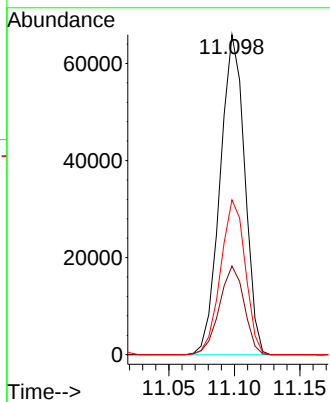
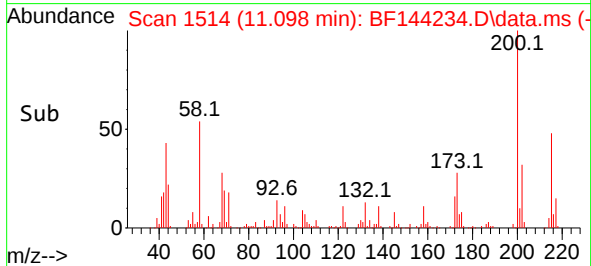
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170473BSD



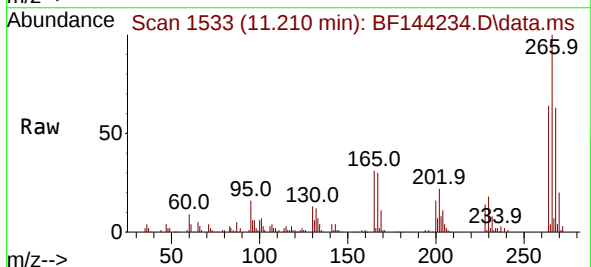
Tgt Ion:200 Resp: 8608  
 Ion Ratio Lower Upper  
 200 100  
 173 27.7 5.0 45.0  
 215 48.4 28.7 68.7

Manual Integrations  
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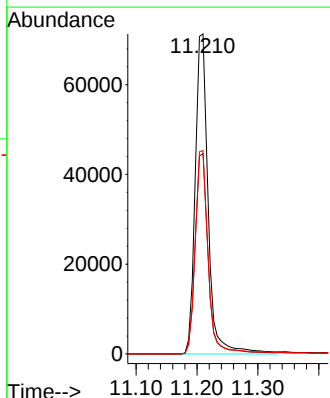
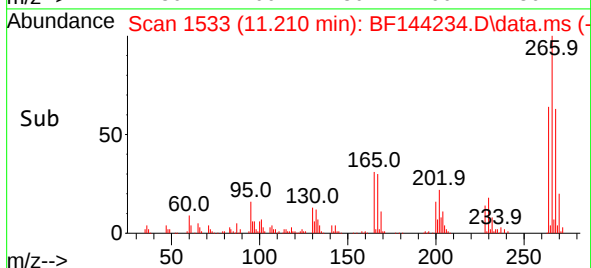
Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025

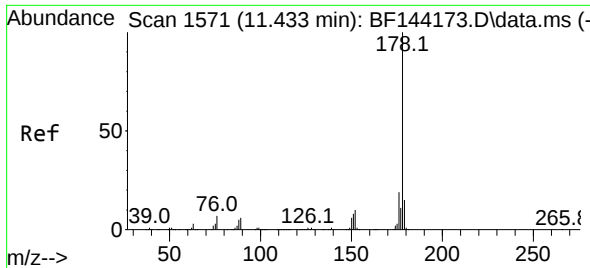


#70  
 Pentachlorophenol  
 Concen: 83.525 ng  
 RT: 11.210 min Scan# 1533  
 Delta R.T. -0.006 min  
 Lab File: BF144234.D  
 Acq: 12 Nov 2025 17:51



Tgt Ion:266 Resp: 106205  
 Ion Ratio Lower Upper  
 266 100  
 268 62.6 49.5 74.3  
 264 63.5 49.4 74.2





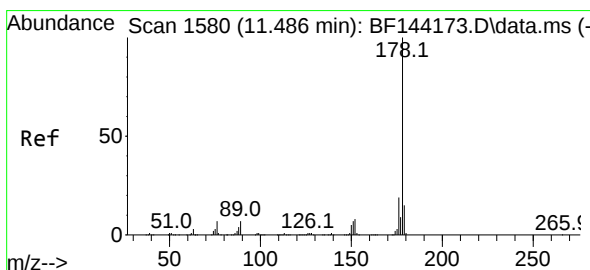
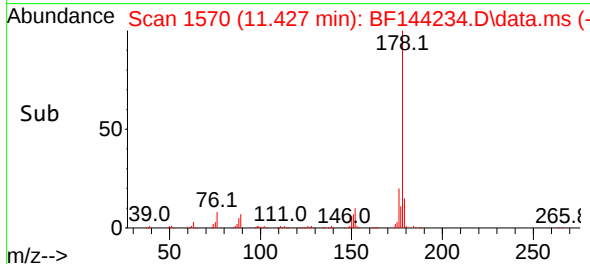
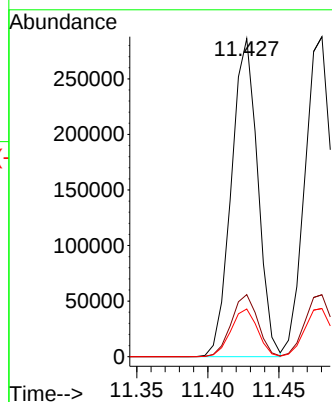
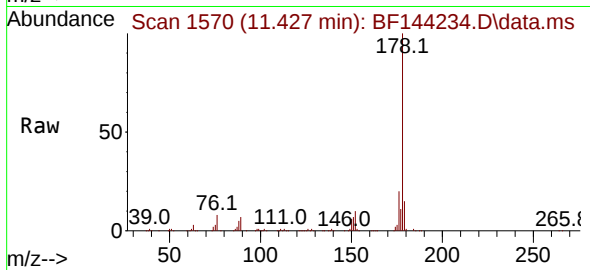
#71  
Phenanthrene  
Concen: 43.691 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD

Tgt Ion:178 Resp: 36945  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.5 23.3  
179 15.0 12.2 18.4

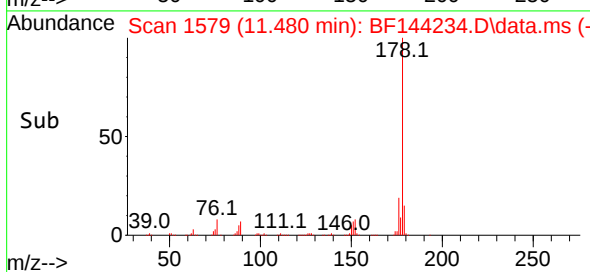
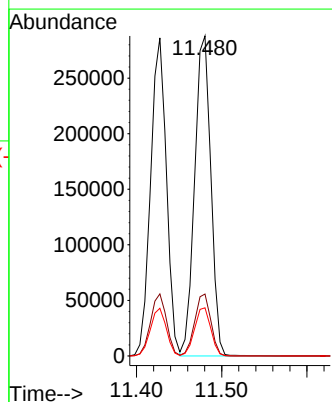
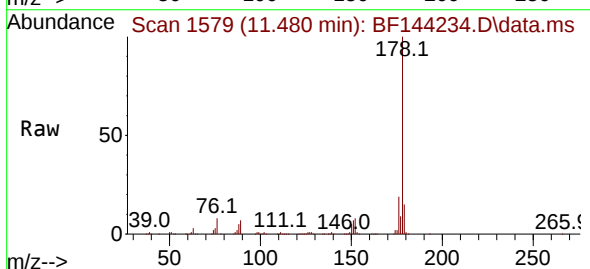
Manual Integrations  
APPROVED

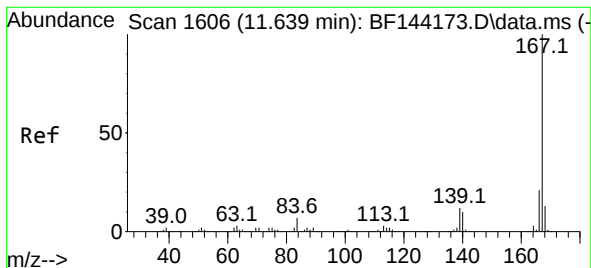
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#72  
Anthracene  
Concen: 44.257 ng  
RT: 11.480 min Scan# 1579  
Delta R.T. -0.000 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:178 Resp: 380544  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.1 12.0 18.0





#73

Carbazole

Concen: 44.982 ng

RT: 11.633 min Scan# 1605

Delta R.T. -0.006 min

Lab File: BF144234.D

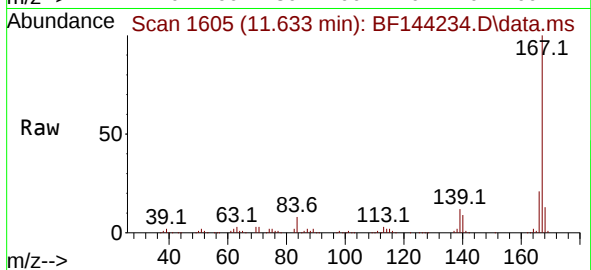
Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD



Tgt Ion:167 Resp: 328894

Ion Ratio Lower Upper

167 100

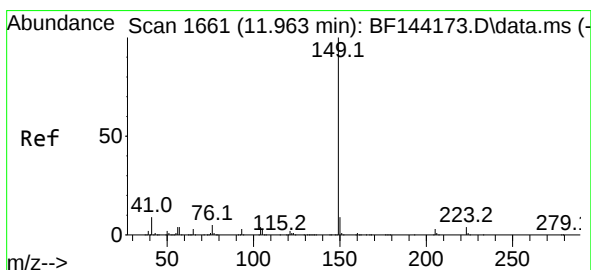
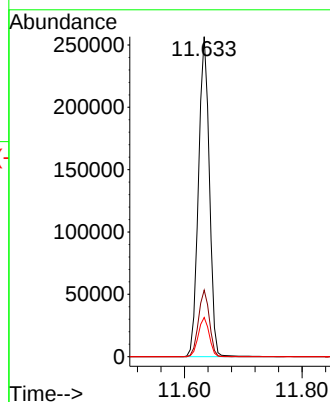
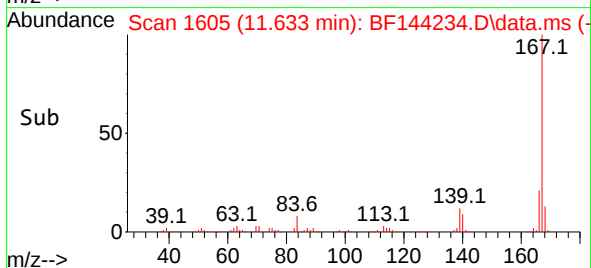
166 20.8 17.2 25.8

139 12.3 9.9 14.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#74

Di-n-butylphthalate

Concen: 47.967 ng

RT: 11.957 min Scan# 1660

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

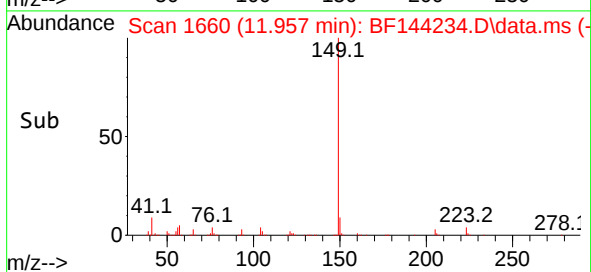
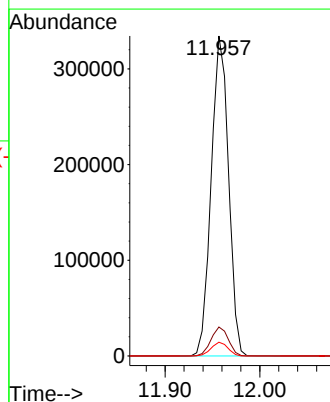
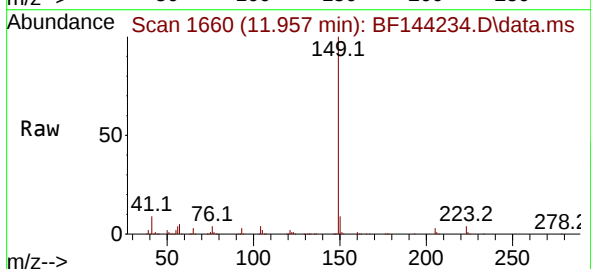
Tgt Ion:149 Resp: 423974

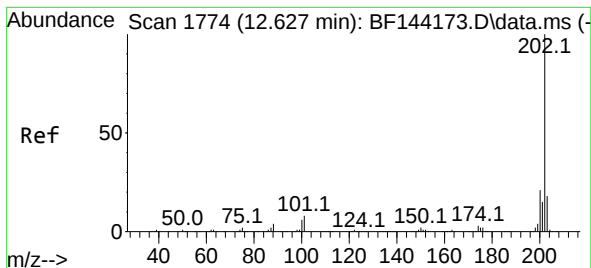
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.3 3.4 5.2





#75

Fluoranthene

Concen: 42.353 ng

RT: 12.616 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

Tgt Ion:202 Resp: 36996

Ion Ratio Lower Upper

202 100

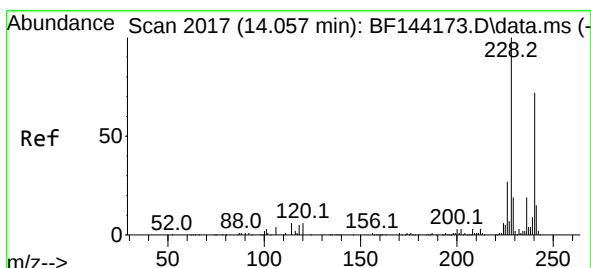
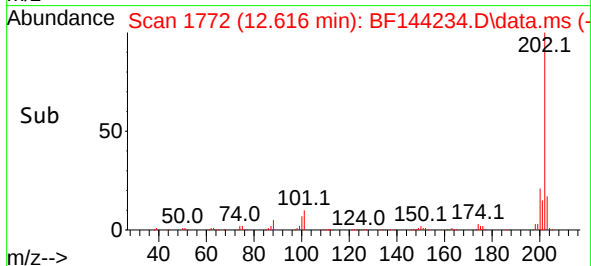
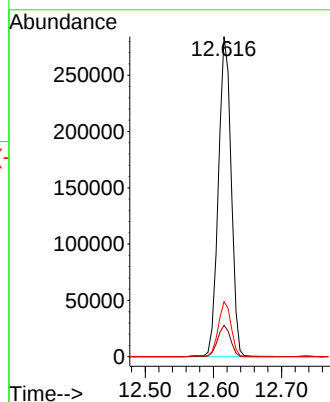
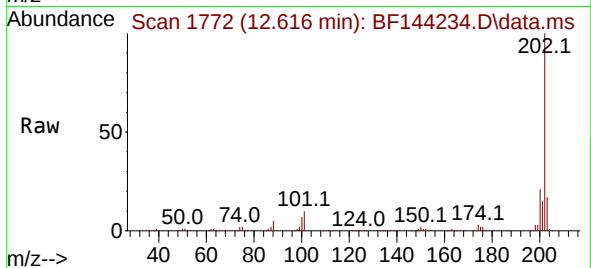
101 9.8 0.0 27.9

203 17.2 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

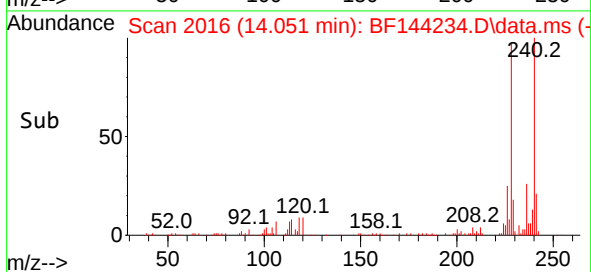
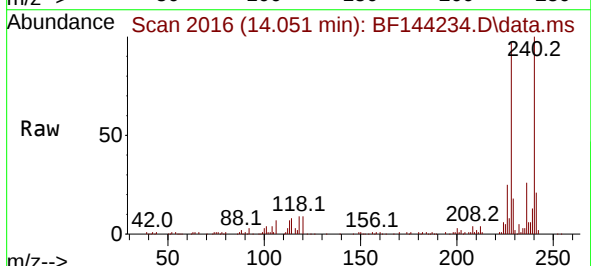
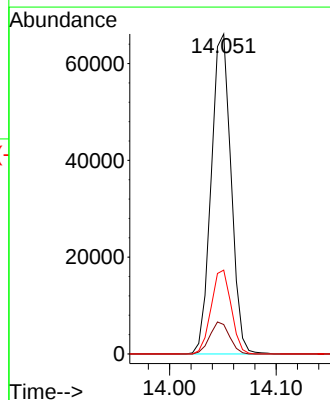
Tgt Ion:240 Resp: 85422

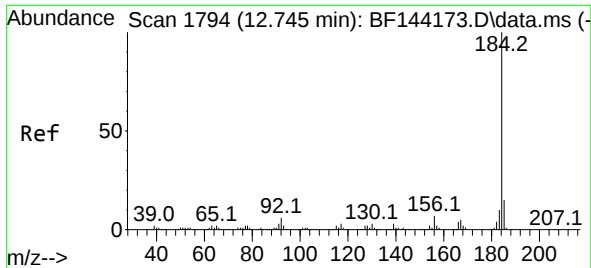
Ion Ratio Lower Upper

240 100

120 9.2 6.6 10.0

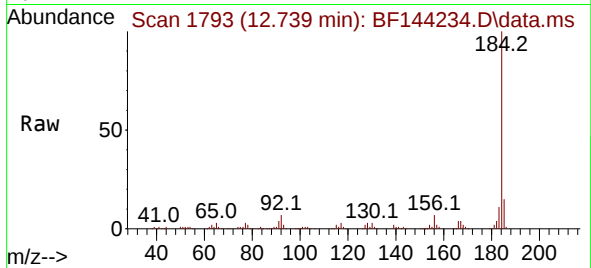
236 26.2 21.4 32.2





#77  
Benzidine  
Concen: 68.647 ng  
RT: 12.739 min Scan# 1793  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

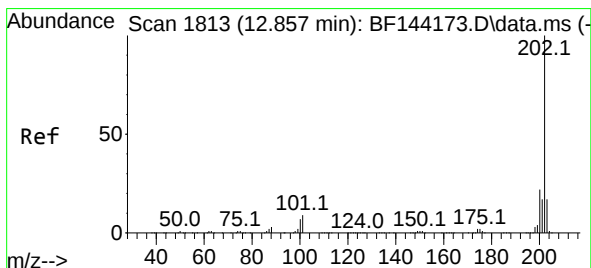
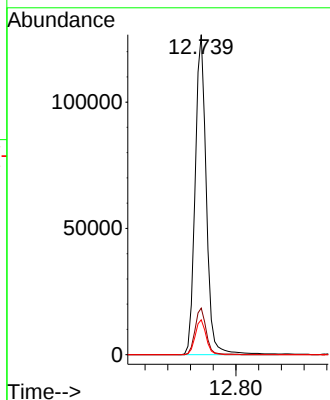
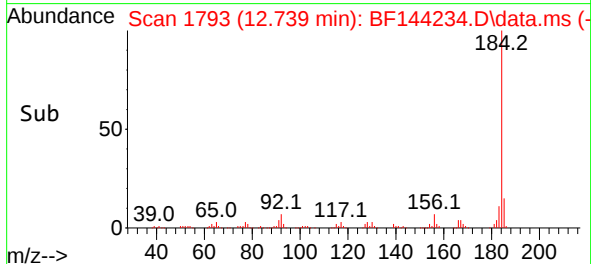
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



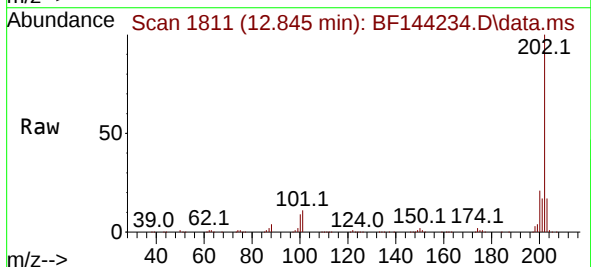
Tgt Ion:184 Resp: 17345  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.7 17.5  
183 10.9 8.3 12.5

Manual Integrations  
APPROVED

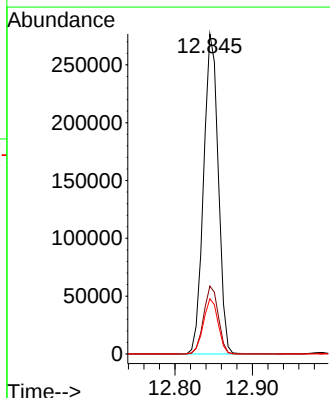
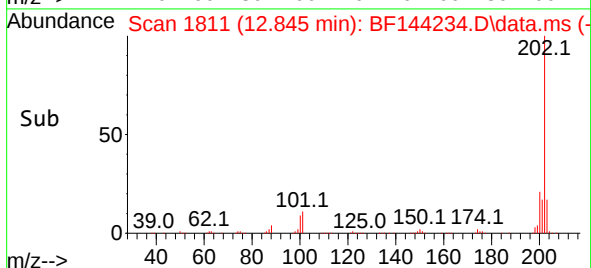
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

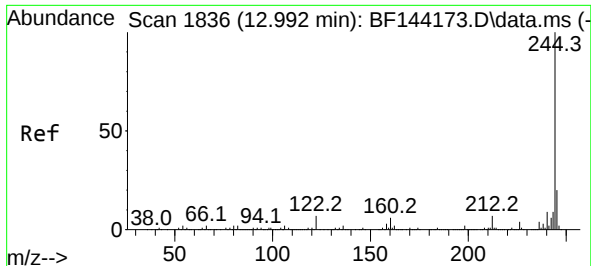


#78  
Pyrene  
Concen: 52.810 ng  
RT: 12.845 min Scan# 1811  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:202 Resp: 363730  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.2 25.8  
203 17.3 13.7 20.5





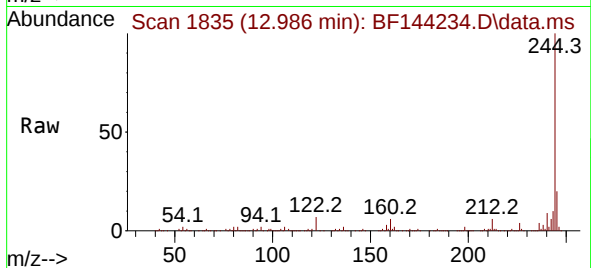
#79  
 Terphenyl-d14  
 Concen: 97.901 ng  
 RT: 12.986 min Scan# 1835  
 Delta R.T. -0.006 min  
 Lab File: BF144234.D  
 Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

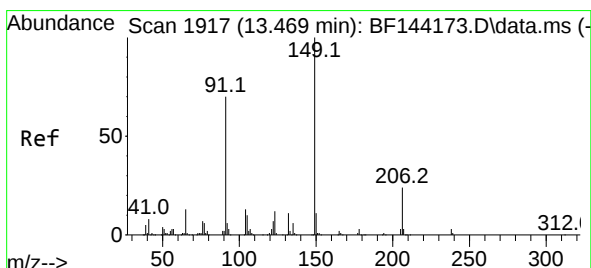
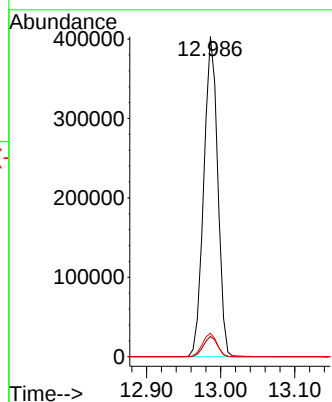
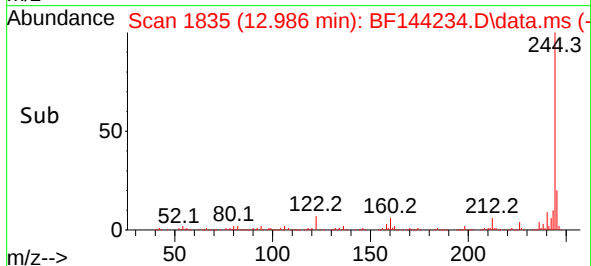


Tgt Ion:244 Resp: 526490  
 Ion Ratio Lower Upper  
 244 100  
 212 6.3 5.3 7.9  
 122 7.3 5.6 8.4

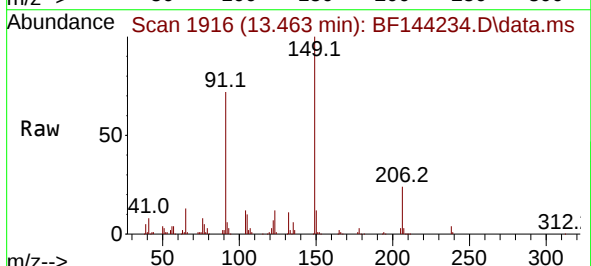
Manual Integrations

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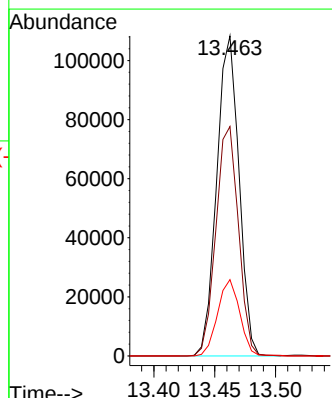
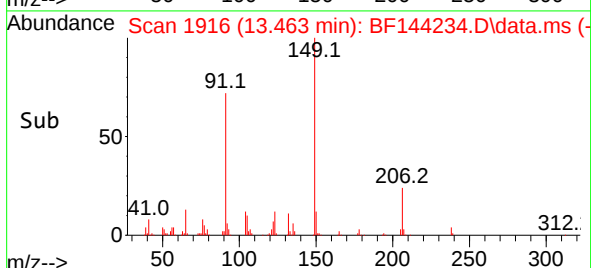
Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025

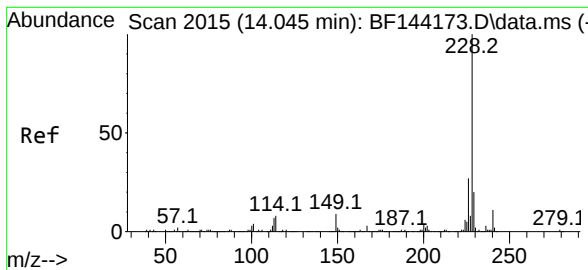


#80  
 Butylbenzylphthalate  
 Concen: 57.804 ng  
 RT: 13.463 min Scan# 1916  
 Delta R.T. -0.006 min  
 Lab File: BF144234.D  
 Acq: 12 Nov 2025 17:51



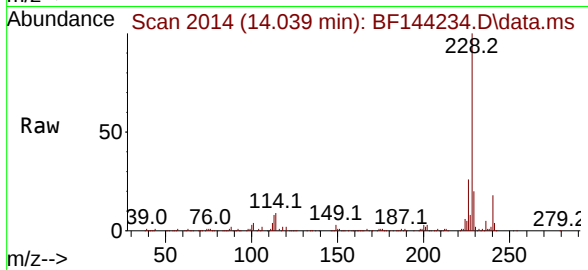
Tgt Ion:149 Resp: 137986  
 Ion Ratio Lower Upper  
 149 100  
 91 71.7 56.1 84.1  
 206 23.8 18.8 28.2





#81  
Benzo(a)anthracene  
Concen: 47.701 ng  
RT: 14.039 min Scan# 2015  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

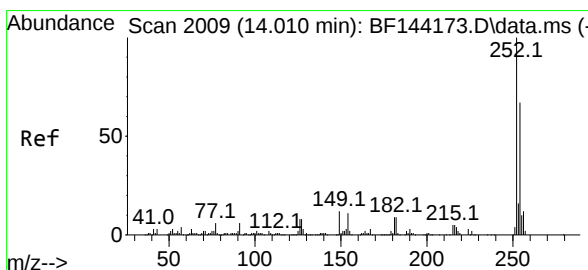
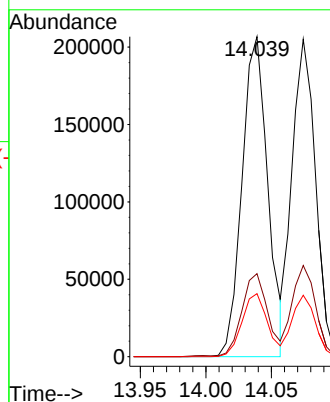
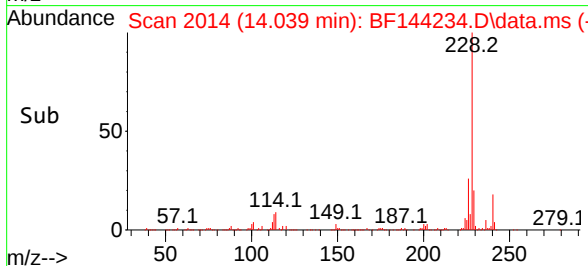
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



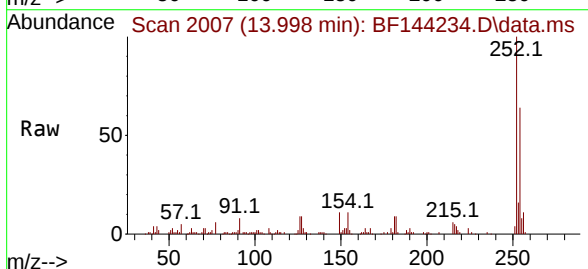
Tgt Ion:228 Resp: 282400  
Ion Ratio Lower Upper  
228 100  
226 26.0 21.8 32.8  
229 19.7 15.8 23.6

Manual Integrations  
APPROVED

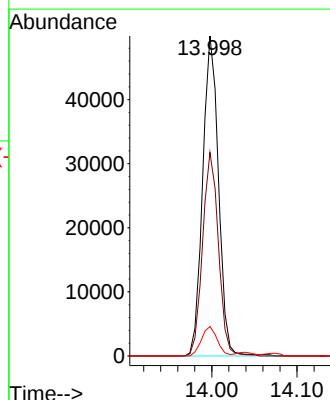
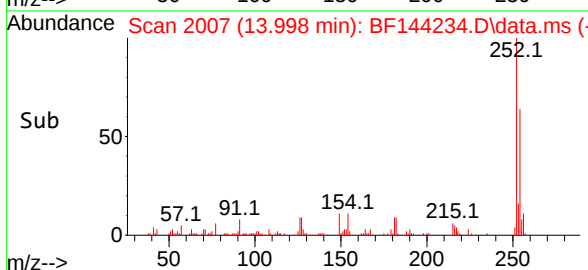
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

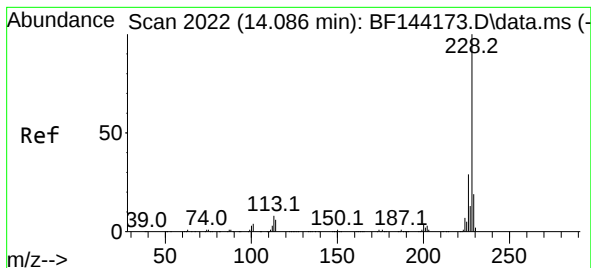


#82  
3,3'-Dichlorobenzidine  
Concen: 31.687 ng  
RT: 13.998 min Scan# 2007  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:252 Resp: 64305  
Ion Ratio Lower Upper  
252 100  
254 63.6 53.5 80.3  
126 9.2 6.4 9.6





#83

Chrysene

Concen: 46.821 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

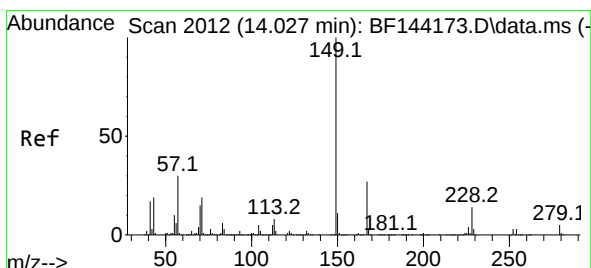
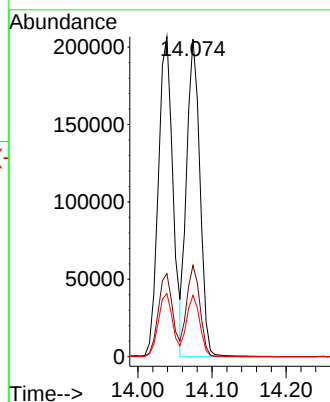
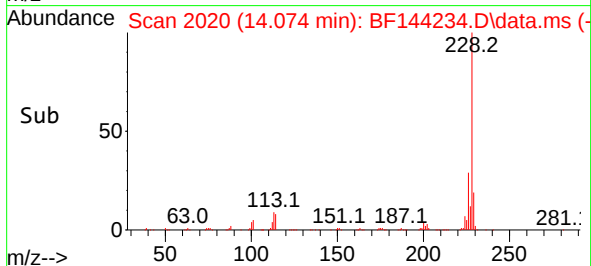
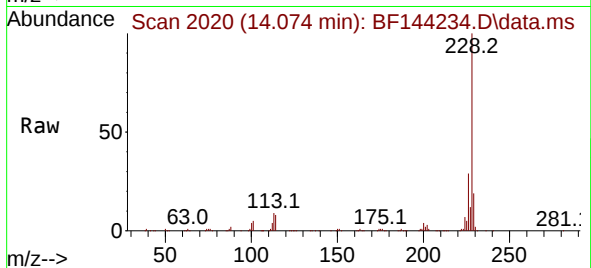
PB170473BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 25588 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 28.7  | 22.9  | 34.3  |
| 229       | 19.3  | 15.0  | 22.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.302 ng

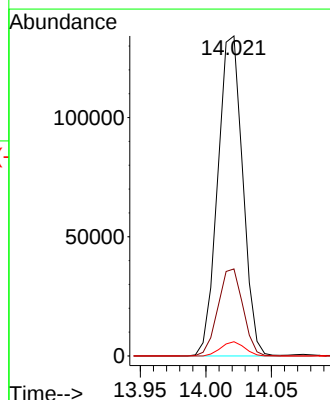
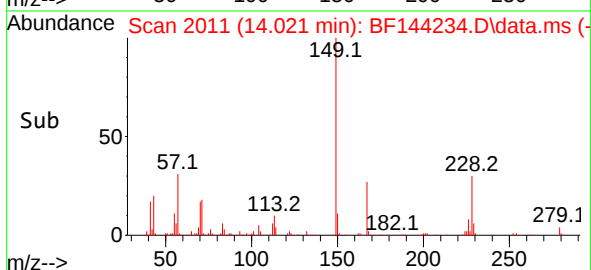
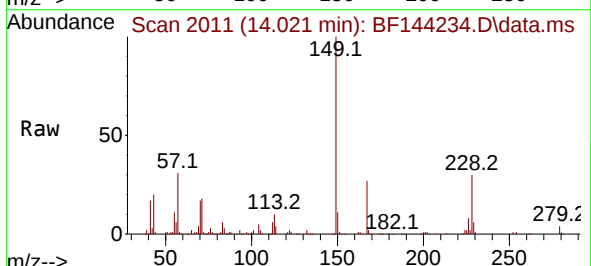
RT: 14.021 min Scan# 2011

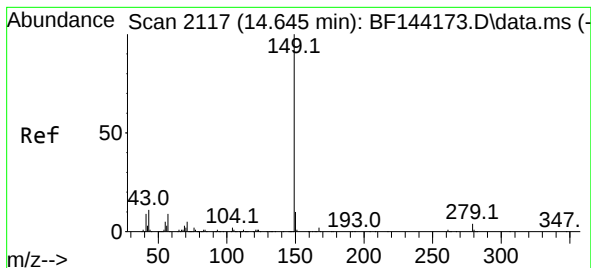
Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

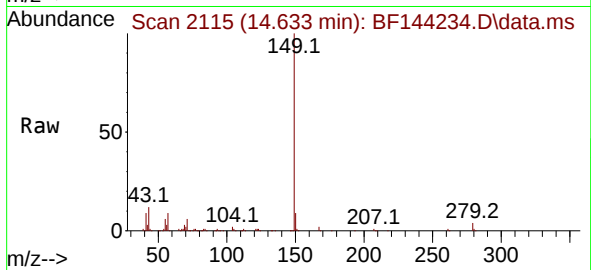
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 177450 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.2  | 21.8  | 32.8   |
| 279       | 4.5   | 3.7   | 5.5    |





#85  
Di-n-octyl phthalate  
Concen: 46.718 ng  
RT: 14.633 min Scan# 2115  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

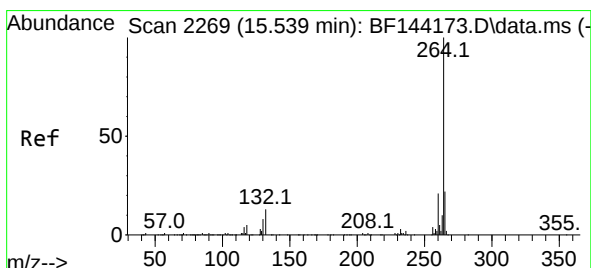
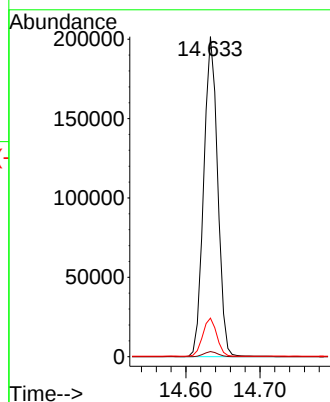
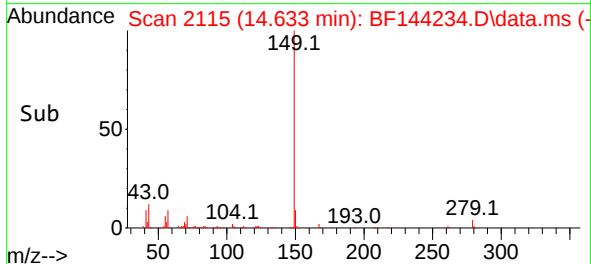
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



Tgt Ion:149 Resp: 263398  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.9 9.0 13.4

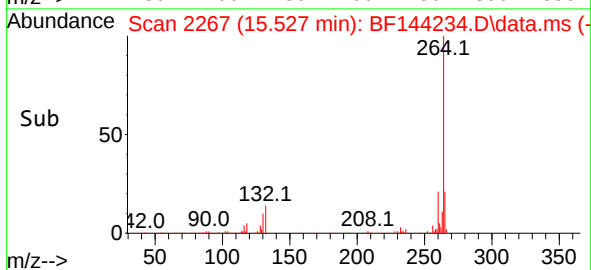
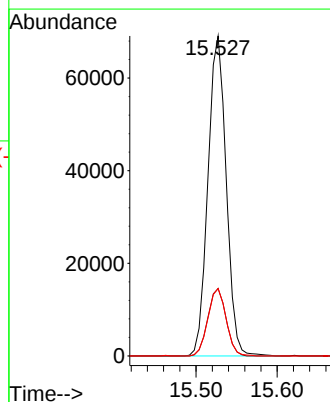
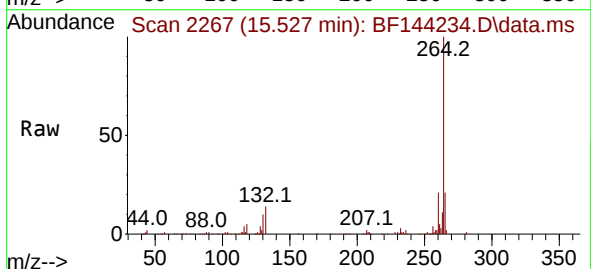
Manual Integrations  
APPROVED

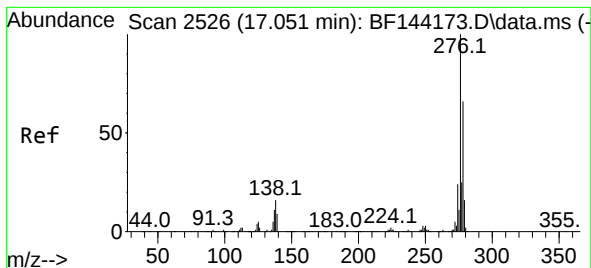
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.527 min Scan# 2267  
Delta R.T. -0.012 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

Tgt Ion:264 Resp: 107838  
Ion Ratio Lower Upper  
264 100  
260 21.1 17.1 25.7  
265 21.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.504 ng

RT: 17.033 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

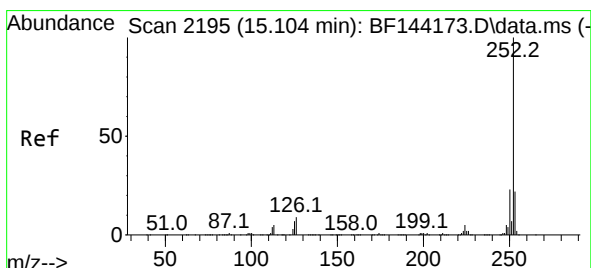
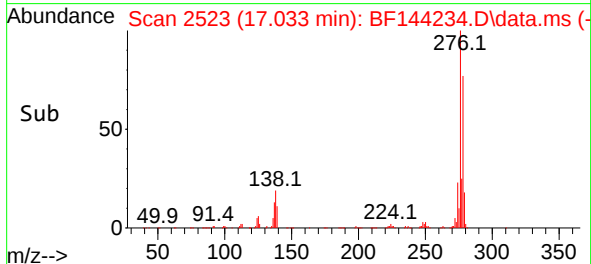
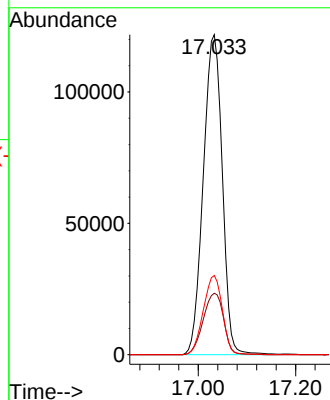
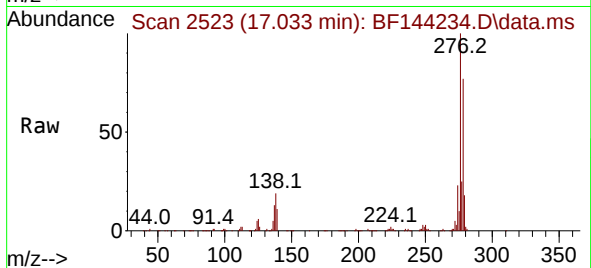
PB170473BSD

Tgt Ion:276 Resp: 329028  
 Ion Ratio Lower Upper  
 276 100  
 138 20.7 13.9 20.9  
 277 24.8 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025  
 Supervised By :mohammad ahmed 11/14/2025



#88

Benzo(b)fluoranthene

Concen: 46.937 ng m

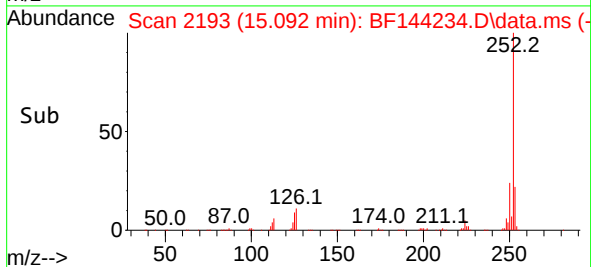
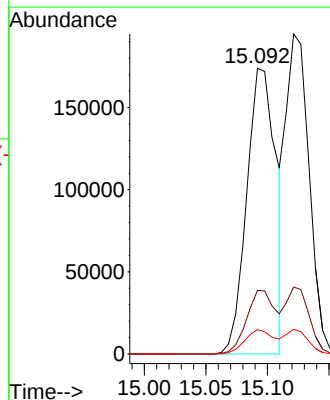
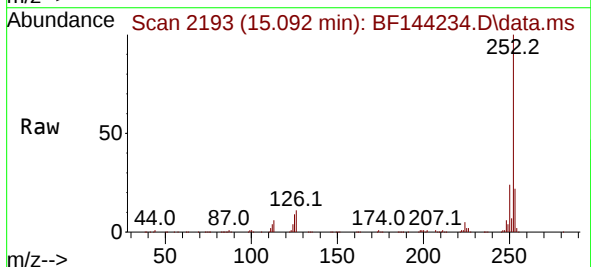
RT: 15.092 min Scan# 2193

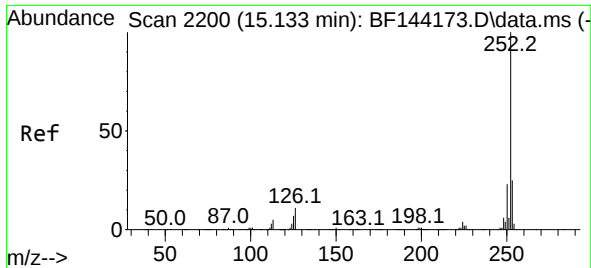
Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

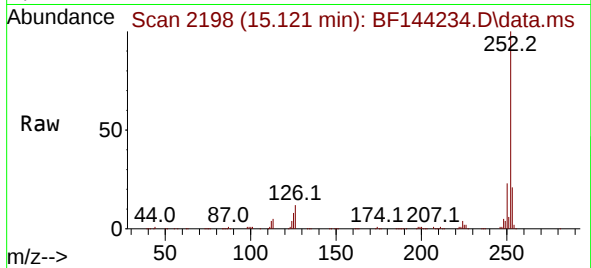
Tgt Ion:252 Resp: 287764  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.4 26.2  
 125 8.5 5.3 7.9#





#89  
Benzo(k)fluoranthene  
Concen: 45.236 ng  
RT: 15.121 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51

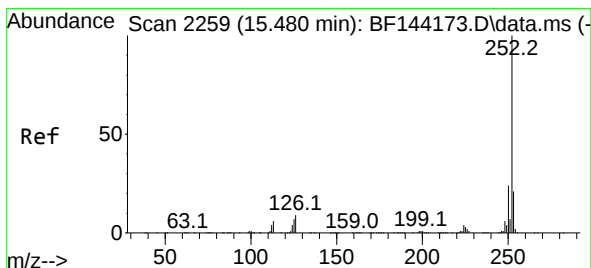
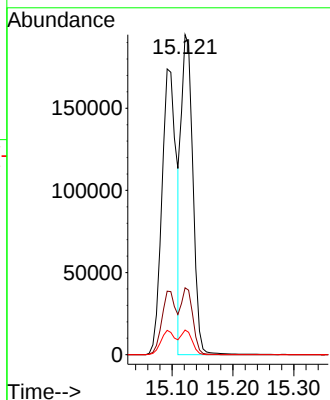
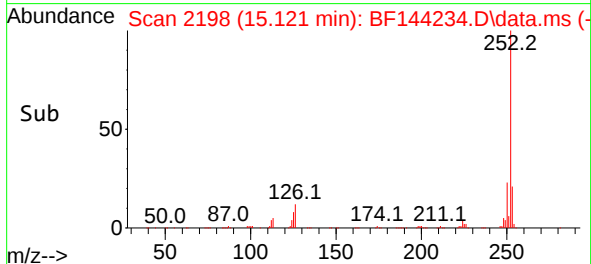
Instrument :  
BNA\_F  
ClientSampleId :  
PB170473BSD



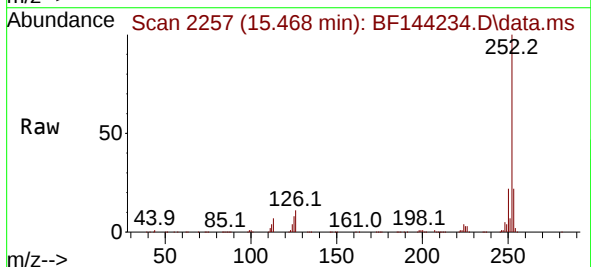
Tgt Ion:252 Resp: 259584  
Ion Ratio Lower Upper  
252 100  
253 20.9 18.0 27.0  
125 7.7 5.4 8.2

Manual Integrations  
APPROVED

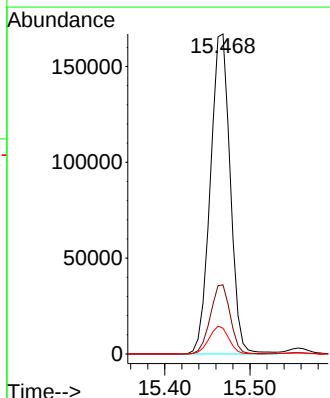
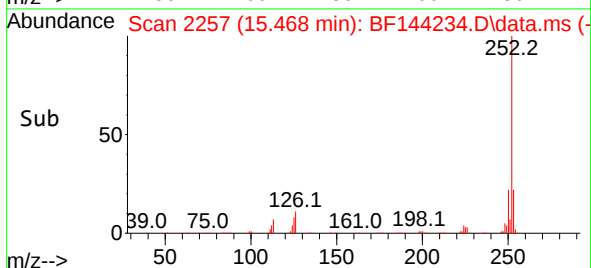
Reviewed By :Jagrut Upadhyay 11/13/2025  
Supervised By :mohammad ahmed 11/14/2025

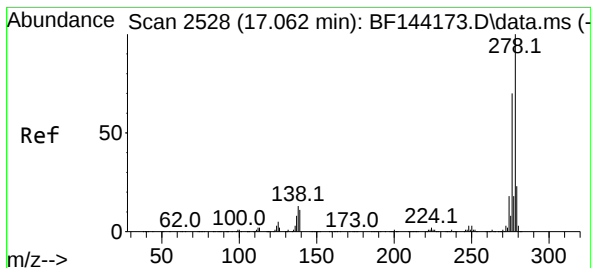


#90  
Benzo(a)pyrene  
Concen: 47.934 ng  
RT: 15.468 min Scan# 2257  
Delta R.T. -0.006 min  
Lab File: BF144234.D  
Acq: 12 Nov 2025 17:51



Tgt Ion:252 Resp: 271111  
Ion Ratio Lower Upper  
252 100  
253 21.6 16.7 25.1  
125 8.0 5.7 8.5





#91

Dibenzo(a,h)anthracene

Concen: 43.471 ng

RT: 17.045 min Scan# 2525

Delta R.T. -0.006 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Instrument :

BNA\_F

ClientSampleId :

PB170473BSD

Tgt Ion:278 Resp: 27025

Ion Ratio Lower Upper

278 100

139 12.6 9.1 13.7

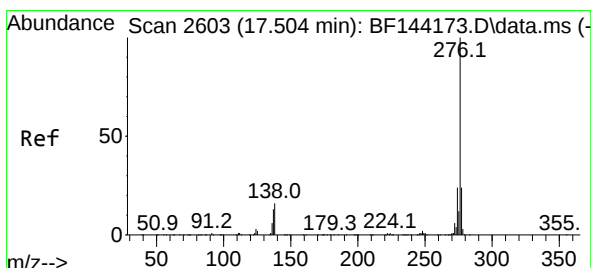
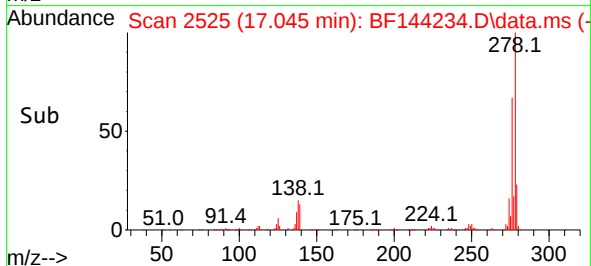
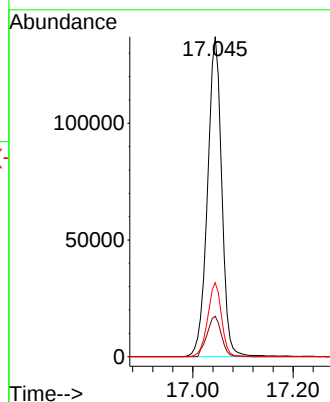
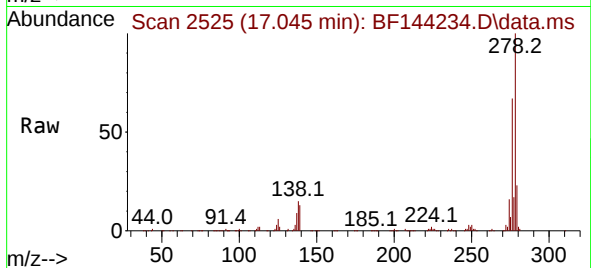
279 23.1 18.2 27.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/13/2025

Supervised By :mohammad ahmed 11/14/2025



#92

Benzo(g,h,i)perylene

Concen: 42.935 ng

RT: 17.480 min Scan# 2599

Delta R.T. -0.012 min

Lab File: BF144234.D

Acq: 12 Nov 2025 17:51

Tgt Ion:276 Resp: 263590

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 19.3 12.9 19.3

