

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032825\  
 Data File : BF142153.D  
 Acq On : 28 Mar 2025 11:33  
 Operator : RC/JU  
 Sample : PB167359BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167359BS

Quant Time: Mar 28 12:07:28 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 127211   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.157  | 136  | 509295   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 301932   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 550245   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 357068   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.515 | 264  | 323038   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1084603  | 142.296 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 1337562  | 137.826 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 875209   | 96.709  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 664119   | 173.381 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.234  | 172  | 1901071  | 95.756  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 2495658  | 103.334 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 135259   | 42.352  | ng    | 98       |
| 3) Pyridine                   | 3.475  | 79   | 356893   | 45.557  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 172288   | 46.136  | ng    | 97       |
| 6) Aniline                    | 6.534  | 93   | 333610   | 34.847  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.657  | 128  | 447789   | 52.970  | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 274369   | 50.551  | ng    | 98       |
| 10) Phenol                    | 6.516  | 94   | 509989   | 49.952  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 376927   | 49.167  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 464979   | 50.948  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 475471   | 51.491  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.040  | 146  | 452616   | 52.039  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.010  | 79   | 386749   | 49.294  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 411626   | 44.475  | ng    | 96       |
| 17) 2-Methylphenol            | 7.122  | 107  | 353317   | 52.566  | ng    | 99       |
| 18) Hexachloroethane          | 7.381  | 117  | 176714   | 51.033  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 288797   | 46.312  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 441720   | 51.307  | ng    | # 87     |
| 22) Acetophenone              | 7.281  | 105  | 591079   | 48.463  | ng    | 97       |
| 24) Nitrobenzene              | 7.457  | 77   | 446038   | 49.578  | ng    | 97       |
| 25) Isophorone                | 7.692  | 82   | 823058   | 51.450  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 242372   | 54.890  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 411875   | 67.741  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 485049   | 48.342  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 393546   | 52.147  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 424641   | 51.058  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 1278545  | 48.871  | ng    | 99       |
| 32) Benzoic acid              | 7.934  | 122  | 286887   | 53.678  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 104527   | 11.318  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 281295   | 51.863  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 121888m  | 52.975  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 435758   | 51.762  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 800090   | 45.754  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 833728   | 49.408  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.034  | 216  | 464116   | 50.488  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 641948   | 178.437 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 317491   | 52.847  | ng    | 99       |

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Manual Integrations  
 APPROVED

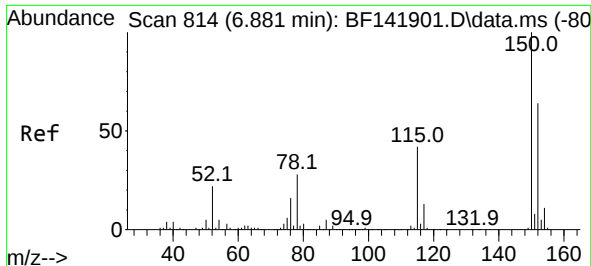
Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 320082   | 52.605  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.334  | 154  | 1128118  | 49.174  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 863850   | 50.520  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 252113   | 50.922  | ng    | 99       |
| 49) Acenaphthylene            | 9.775  | 152  | 1364646  | 53.780  | ng    | 100      |
| 50) Dimethylphthalate         | 9.633  | 163  | 1077433  | 50.958  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 233773   | 53.103  | ng    | 92       |
| 52) Acenaphthene              | 9.945  | 154  | 1016476m | 57.003  | ng    |          |
| 53) 3-Nitroaniline            | 9.863  | 138  | 92683    | 20.755  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 287431   | 112.045 | ng    | # 46     |
| 55) Dibenzofuran              | 10.122 | 168  | 1240364  | 48.680  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 372717   | 110.678 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 332839   | 57.887  | ng    | 100      |
| 58) Fluorene                  | 10.463 | 166  | 1006665  | 51.231  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 302510   | 54.636  | ng    | 96       |
| 60) Diethylphthalate          | 10.333 | 149  | 1058006  | 50.183  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 527401   | 51.483  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 230881   | 53.107  | ng    | 99       |
| 63) Azobenzene                | 10.610 | 77   | 928825   | 47.387  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 198879   | 60.629  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 899795   | 50.533  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 351892   | 50.922  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 409110   | 53.978  | ng    | 94       |
| 69) Atrazine                  | 11.098 | 200  | 339800   | 62.250  | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 487288   | 104.350 | ng    | 99       |
| 71) Phenanthrene              | 11.428 | 178  | 1523707  | 51.268  | ng    | 99       |
| 72) Anthracene                | 11.475 | 178  | 1565850  | 52.515  | ng    | 100      |
| 73) Carbazole                 | 11.628 | 167  | 1332600  | 51.822  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1670767  | 48.966  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 1600101  | 50.754  | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 466056   | 93.552  | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 1585780  | 51.342  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 614229   | 50.808  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1279730  | 54.617  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 114578   | 16.921  | ng    | 100      |
| 83) Chrysene                  | 14.069 | 228  | 1066728  | 50.224  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.016 | 149  | 821970   | 49.313  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 1209209  | 52.138  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 1058464  | 50.652  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1074740  | 48.544  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.116 | 252  | 960537   | 50.697  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 962928   | 55.585  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 858300   | 49.781  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 860263   | 50.491  | ng    | 98       |

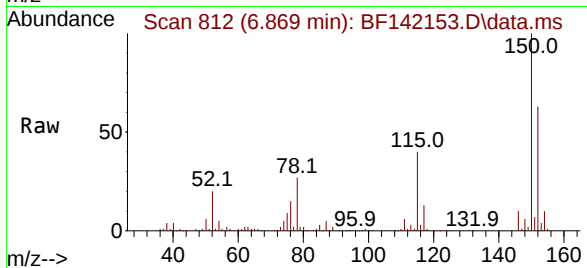
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 814  
 Delta R.T. -0.012 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33

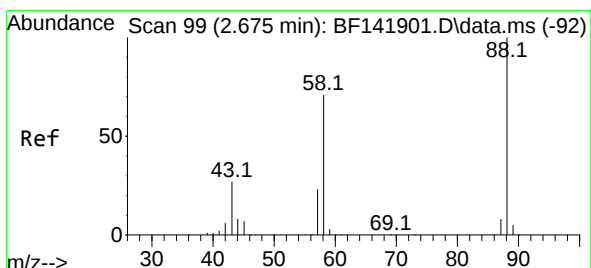
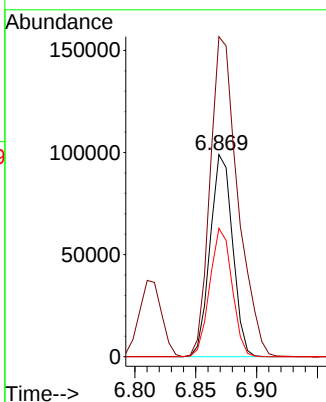
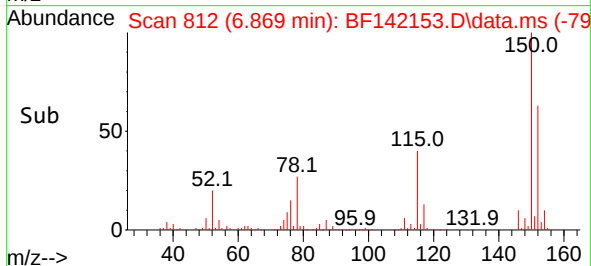
Instrument :  
 BNA\_F  
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 PB167359BS



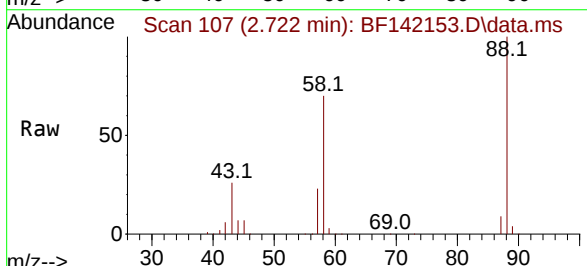
Tgt Ion:152 Resp: 12721  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 127.4 191.2  
 115 63.5 51.9 77.9

Manual Integrations  
 APPROVED

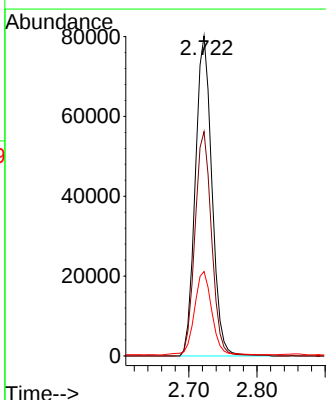
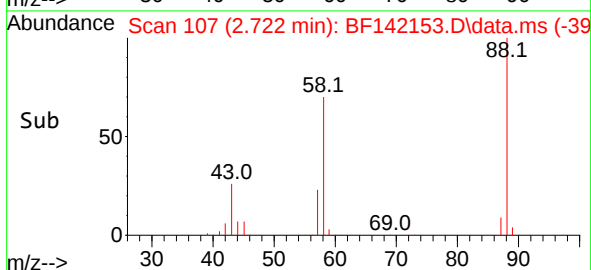
Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

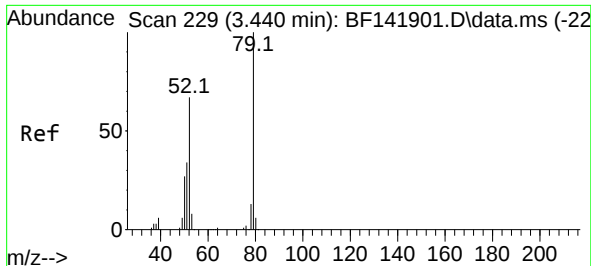


#2  
 1,4-Dioxane  
 Concen: 42.352 ng  
 RT: 2.722 min Scan# 107  
 Delta R.T. 0.047 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33



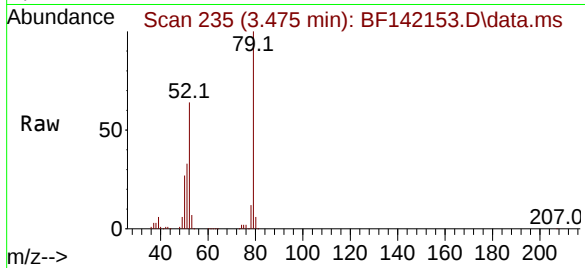
Tgt Ion: 88 Resp: 135259  
 Ion Ratio Lower Upper  
 88 100  
 58 70.2 57.4 86.2  
 43 27.4 21.5 32.3





#3  
Pyridine  
Concen: 45.557 ng  
RT: 3.475 min Scan# 21  
Delta R.T. 0.035 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

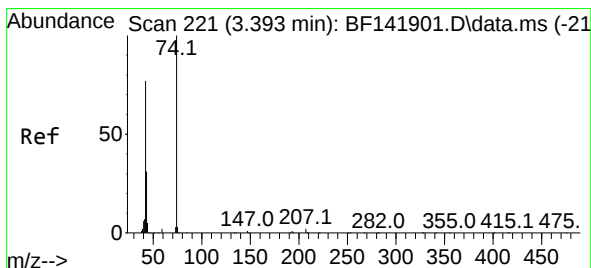
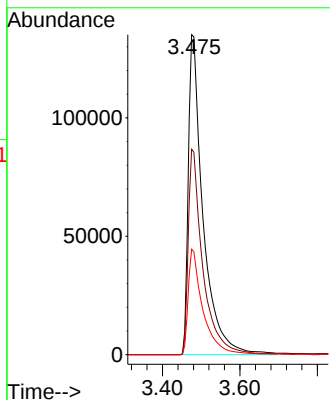
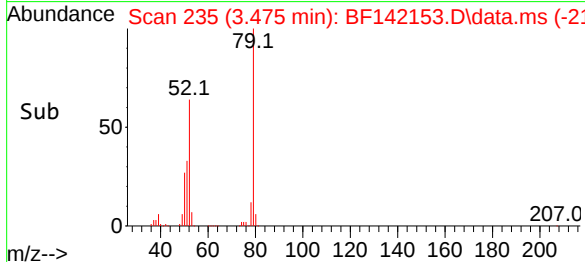
Instrument :  
BNA\_F  
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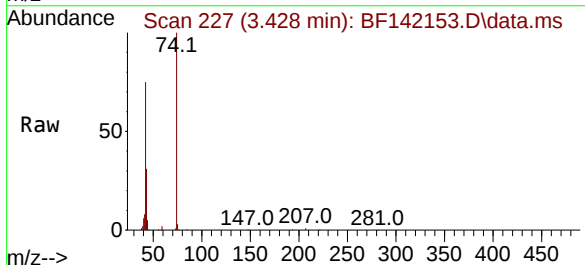
Tgt Ion: 79 Resp: 35689  
Ion Ratio Lower Upper  
79 100  
52 64.2 53.3 79.9  
51 32.9 27.6 41.4

Manual Integrations  
APPROVED

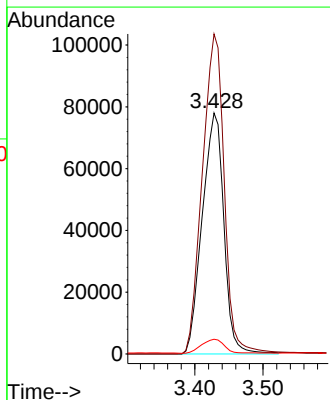
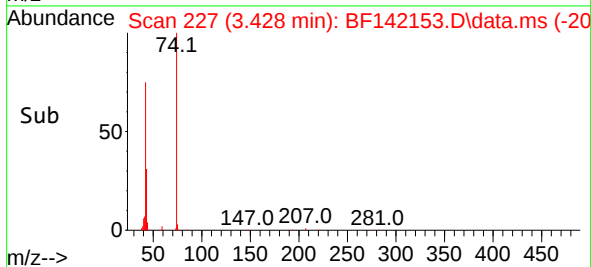
Reviewed By :Anahy Claudio 03/31/2025  
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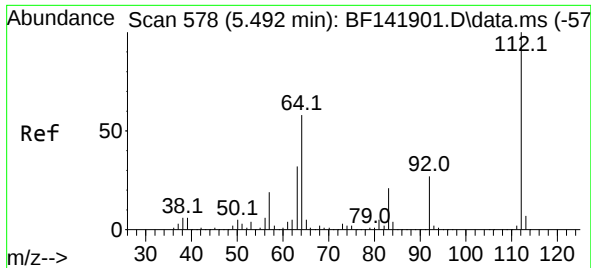


#4  
n-Nitrosodimethylamine  
Concen: 46.136 ng  
RT: 3.428 min Scan# 227  
Delta R.T. 0.035 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion: 42 Resp: 172288  
Ion Ratio Lower Upper  
42 100  
74 132.8 103.4 155.0  
44 6.1 5.0 7.4





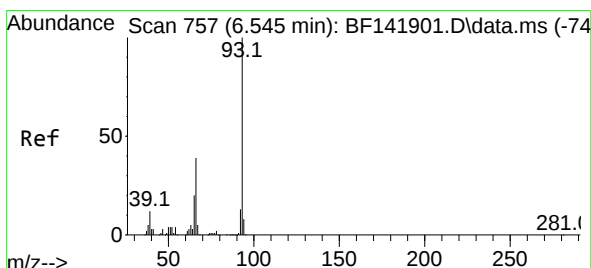
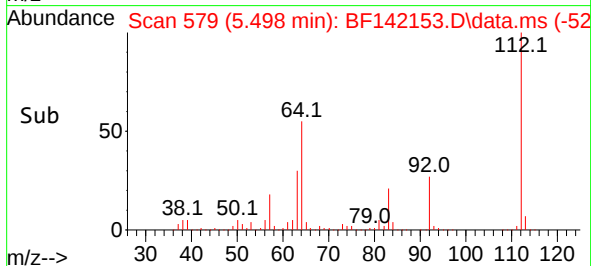
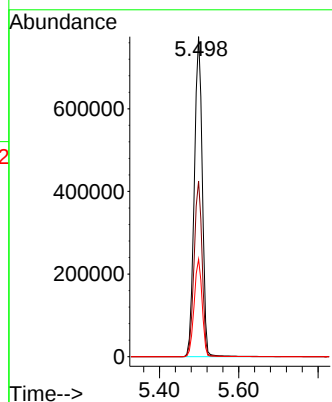
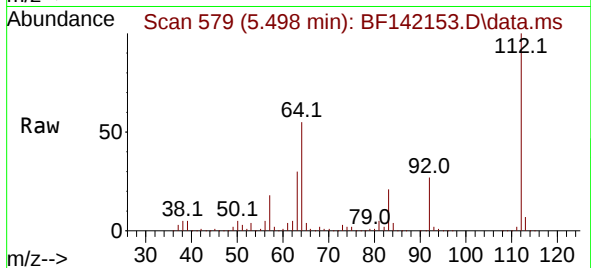
#5  
2-Fluorophenol  
Concen: 142.296 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :  
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Tgt Ion:112 Resp: 108460  
Ion Ratio Lower Upper  
112 100  
64 54.9 46.5 69.7  
63 30.4 25.4 38.2

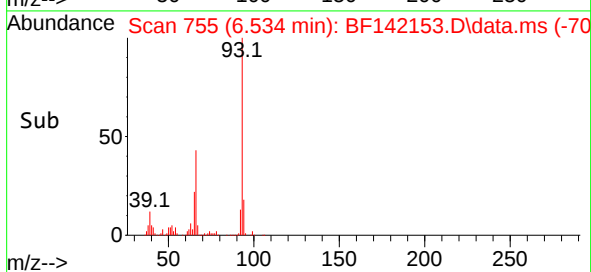
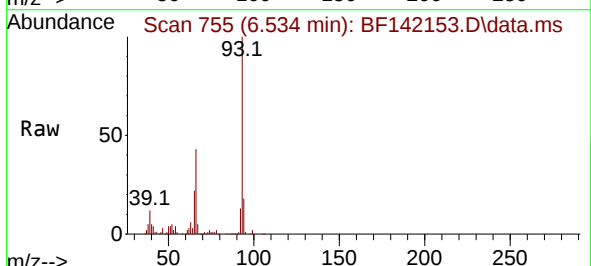
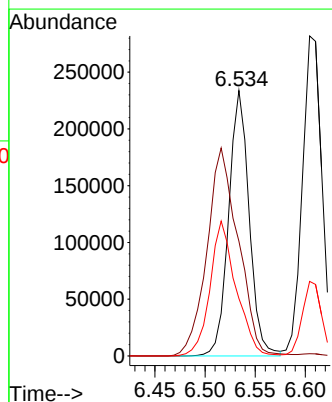
Manual Integrations  
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#6  
Aniline  
Concen: 34.847 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

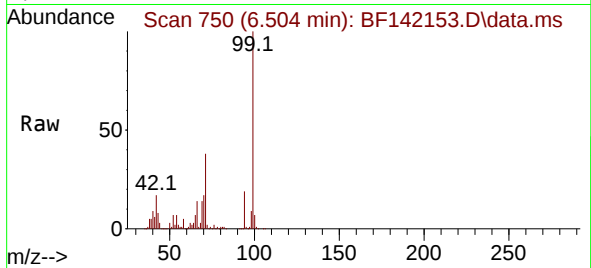
Tgt Ion: 93 Resp: 333610  
Ion Ratio Lower Upper  
93 100  
66 43.2 31.9 47.9  
65 21.6 15.8 23.6





#7  
Phenol-d6  
Concen: 137.826 ng  
RT: 6.504 min Scan# 715  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

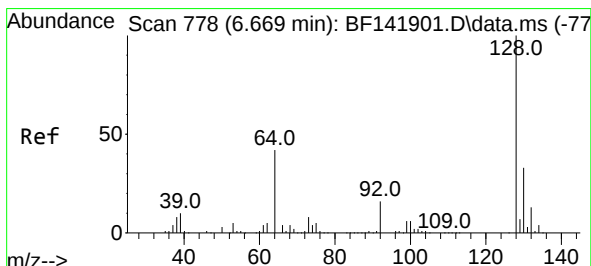
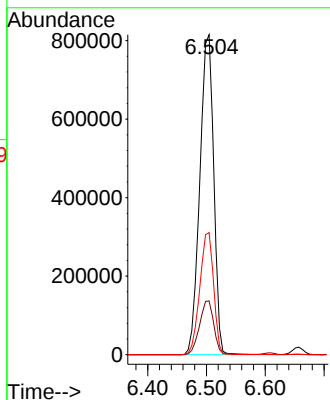
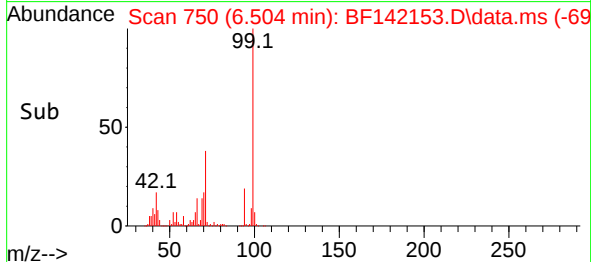
Instrument :  
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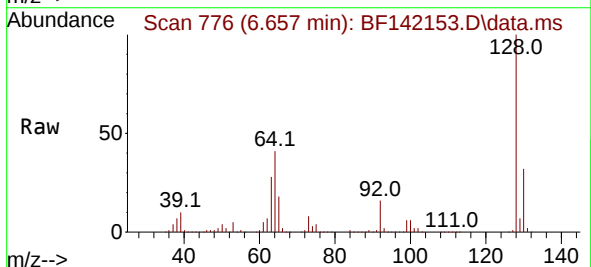
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Ion Ratio Lower Upper  
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71 38.2 30.8 46.2

Manual Integrations  
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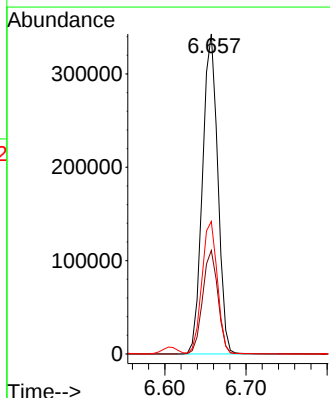
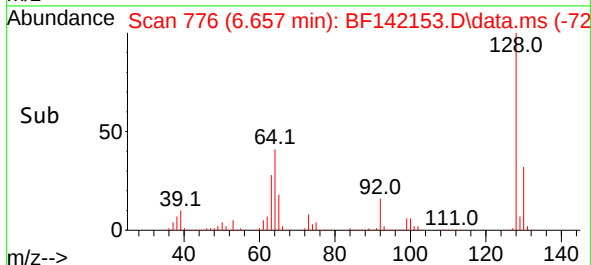
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#8  
2-Chlorophenol  
Concen: 52.970 ng  
RT: 6.657 min Scan# 776  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



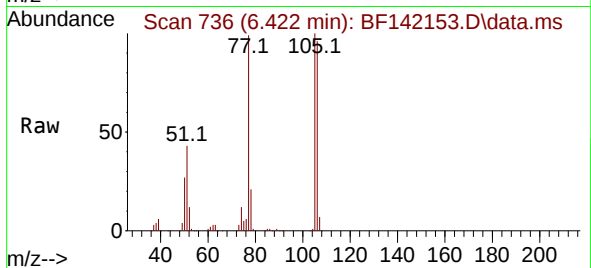
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Ion Ratio Lower Upper  
128 100  
130 32.3 12.8 52.8  
64 41.4 24.4 64.4





#9  
Benzaldehyde  
Concen: 50.551 ng  
RT: 6.422 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

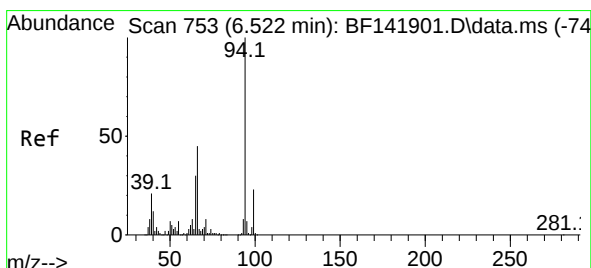
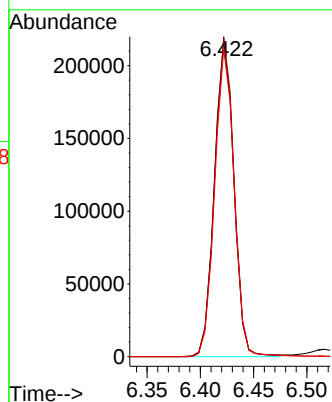
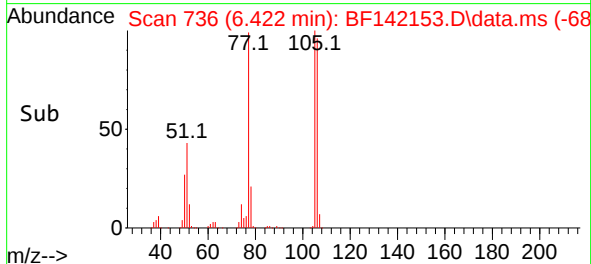
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



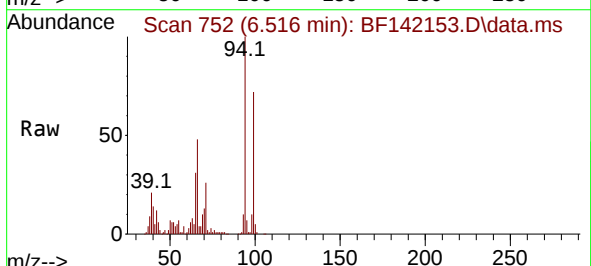
Tgt Ion: 77 Resp: 274369  
Ion Ratio Lower Upper  
77 100  
105 100.9 80.0 120.0  
106 96.8 74.5 114.5

Manual Integrations  
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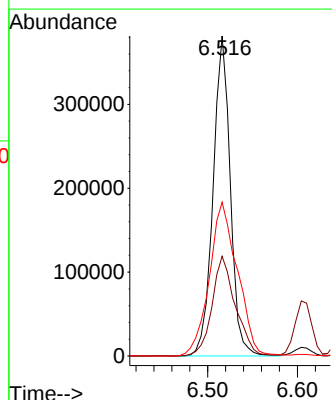
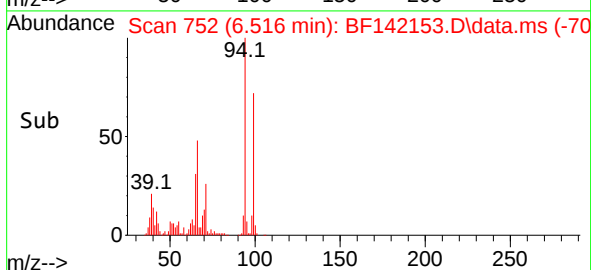
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

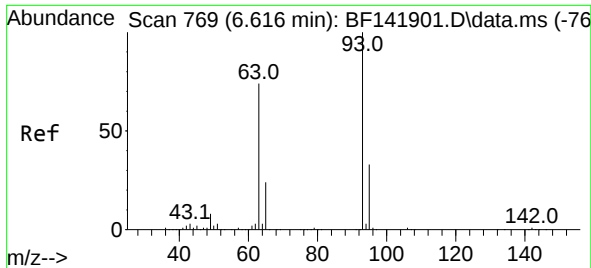


#10  
Phenol  
Concen: 49.952 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion: 94 Resp: 509989  
Ion Ratio Lower Upper  
94 100  
65 31.1 10.5 50.5  
66 48.0 25.8 65.8





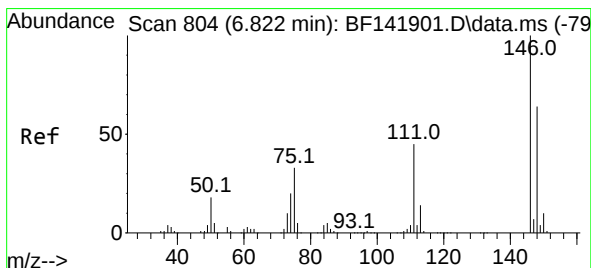
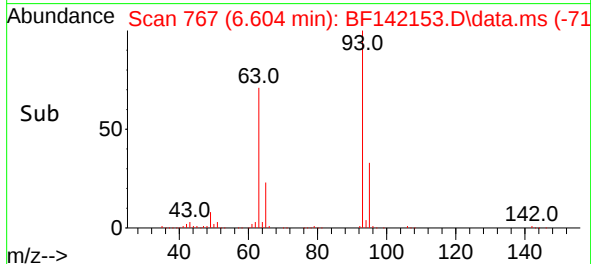
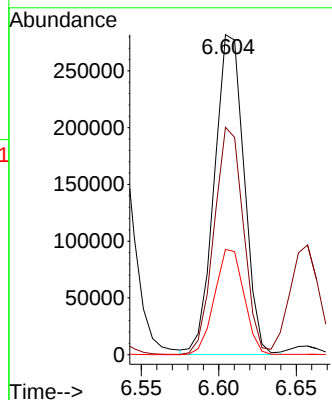
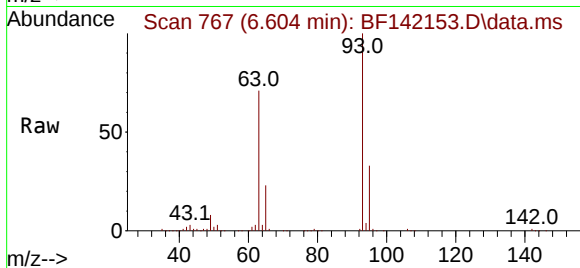
#11  
bis(2-Chloroethyl)ether  
Concen: 49.167 ng  
RT: 6.604 min Scan# 769  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS

Tgt Ion: 93 Resp: 37692  
Ion Ratio Lower Upper  
93 100  
63 71.1 53.0 93.0  
95 32.9 12.9 52.9

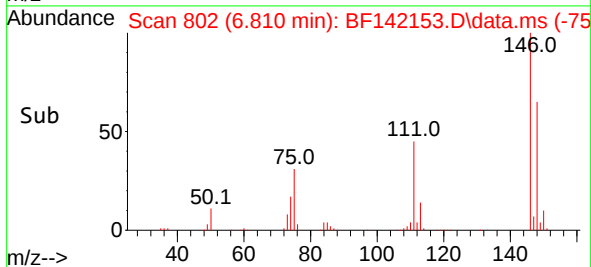
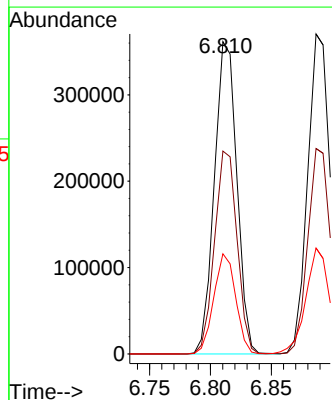
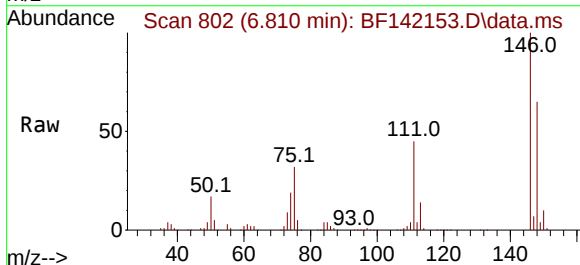
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#12  
1,3-Dichlorobenzene  
Concen: 50.948 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:146 Resp: 464979  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.3 76.9  
75 32.1 26.6 40.0





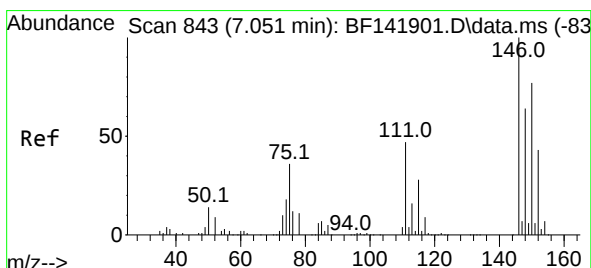
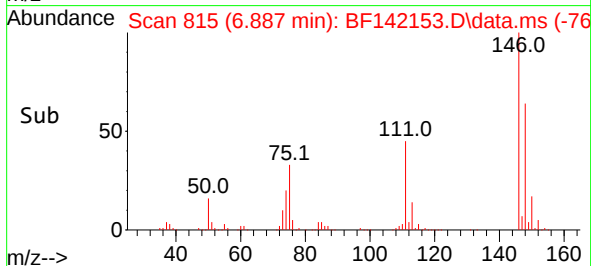
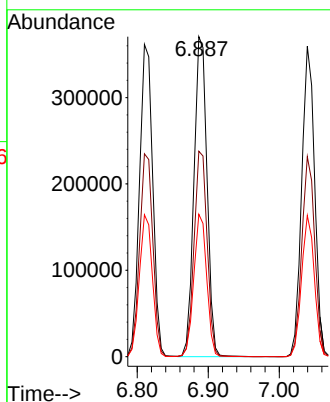
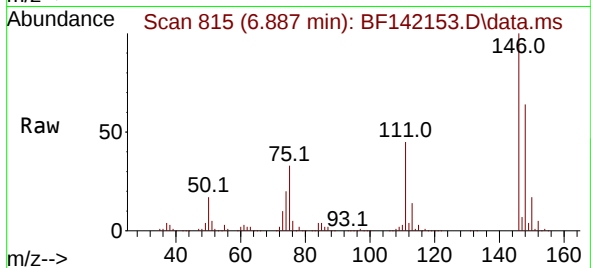
#13  
1,4-Dichlorobenzene  
Concen: 51.491 ng  
RT: 6.887 min Scan# 815  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS

Tgt Ion:146 Resp: 47547  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.6  
111 44.5 35.7 53.5

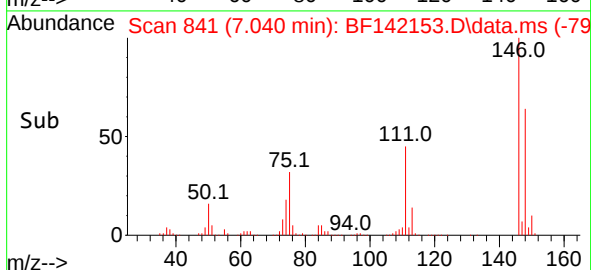
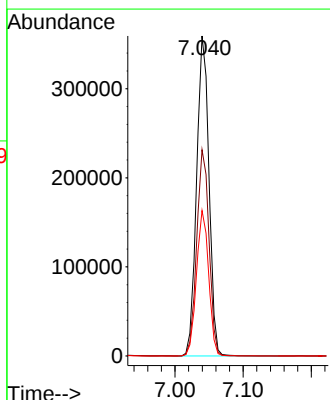
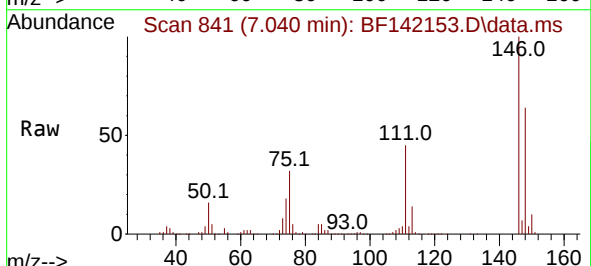
Manual Integrations  
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Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#14  
1,2-Dichlorobenzene  
Concen: 52.039 ng  
RT: 7.040 min Scan# 841  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

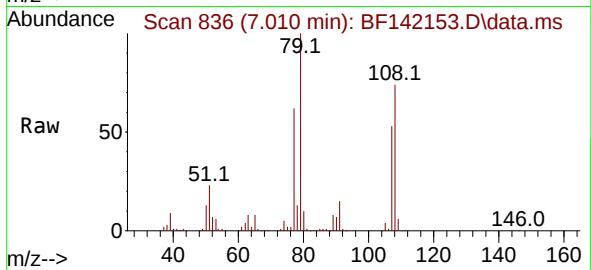
Tgt Ion:146 Resp: 452616  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.8 76.2  
111 45.5 38.0 57.0





#15  
Benzyl Alcohol  
Concen: 49.294 ng  
RT: 7.010 min Scan# 810  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

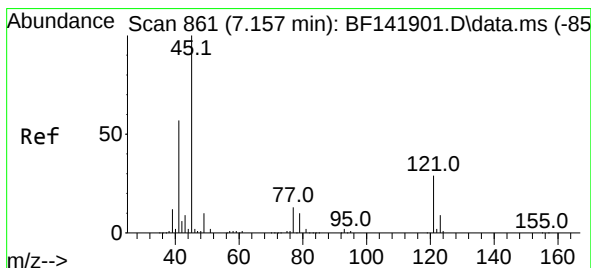
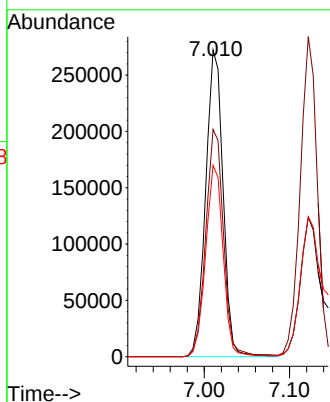
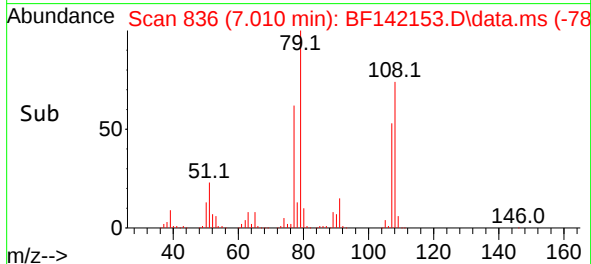
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



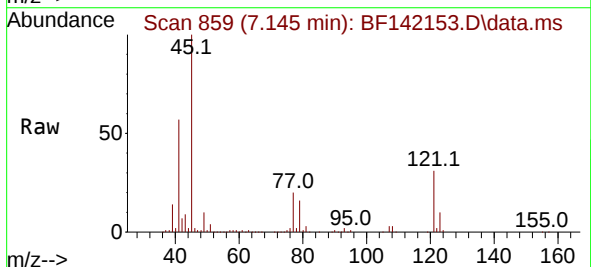
Tgt Ion: 79 Resp: 386749  
Ion Ratio Lower Upper  
79 100  
108 74.1 59.7 89.5  
77 62.3 51.0 76.6

Manual Integrations  
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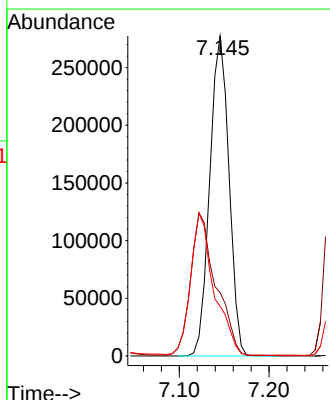
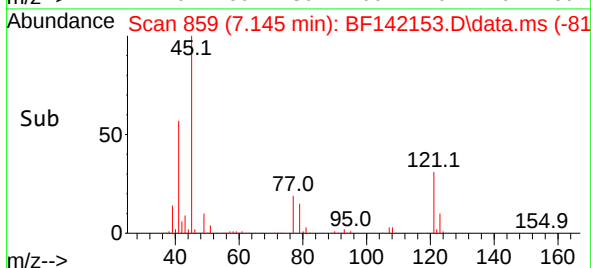
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

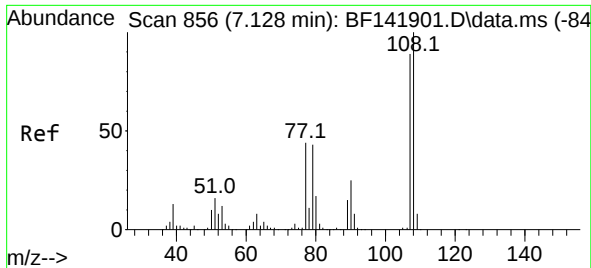


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.475 ng  
RT: 7.145 min Scan# 859  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion: 45 Resp: 411626  
Ion Ratio Lower Upper  
45 100  
77 19.8 0.0 37.8  
79 15.6 0.0 34.2





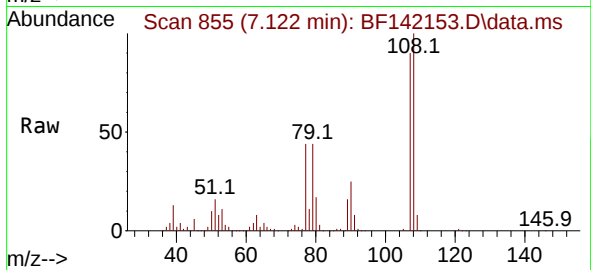
#17  
2-Methylphenol  
Concen: 52.566 ng  
RT: 7.122 min Scan# 856  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

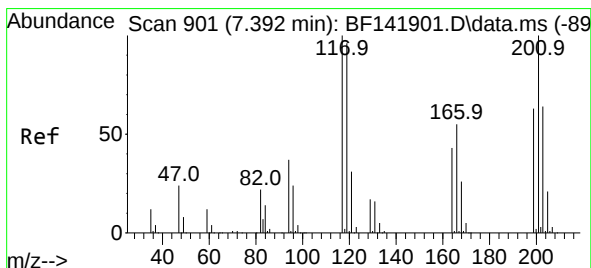
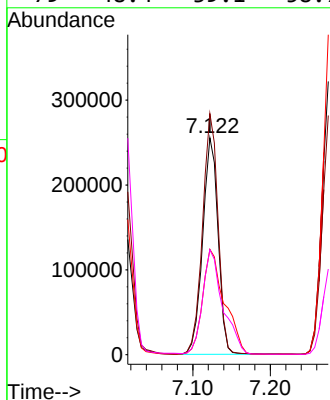
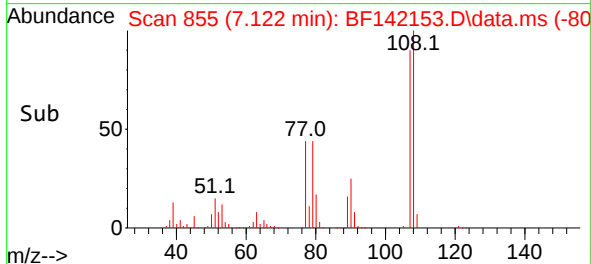


Tgt Ion:107 Resp: 35331  
Ion Ratio Lower Upper  
107 100  
108 111.1 90.2 135.2  
77 48.5 39.6 59.4  
79 48.4 39.1 58.7

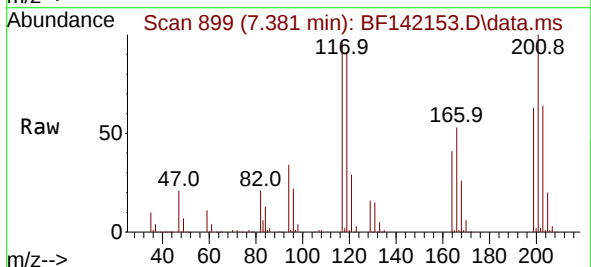
Manual Integrations

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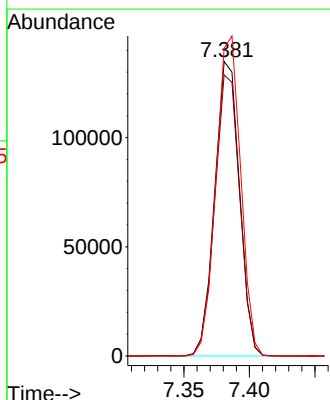
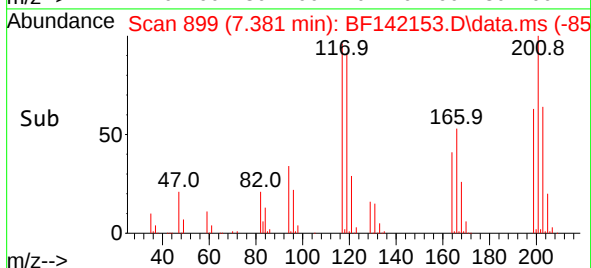
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#18  
Hexachloroethane  
Concen: 51.033 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:117 Resp: 176714  
Ion Ratio Lower Upper  
117 100  
119 95.5 76.9 115.3  
201 104.5 79.9 119.9





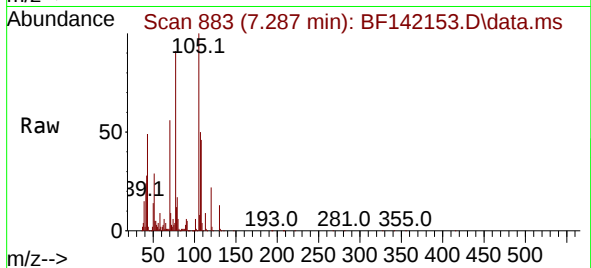
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.312 ng  
RT: 7.287 min Scan# 885  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

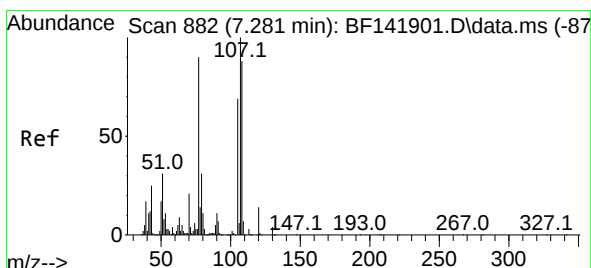
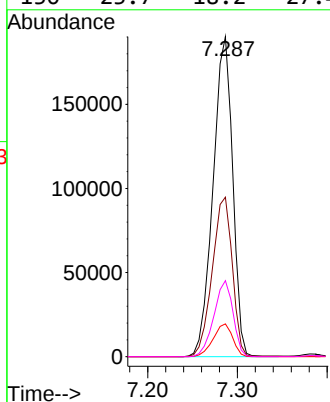
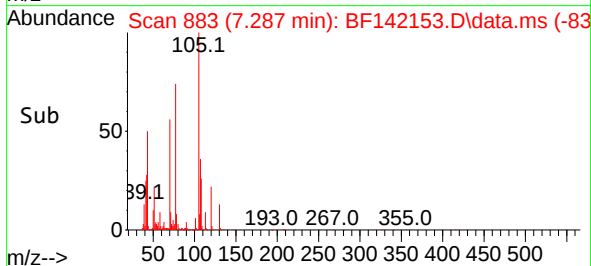


Tgt Ion: 70 Resp: 28879  
Ion Ratio Lower Upper  
70 100  
42 49.9 41.4 62.0  
101 10.3 8.2 12.2  
130 23.7 18.2 27.4

Manual Integrations

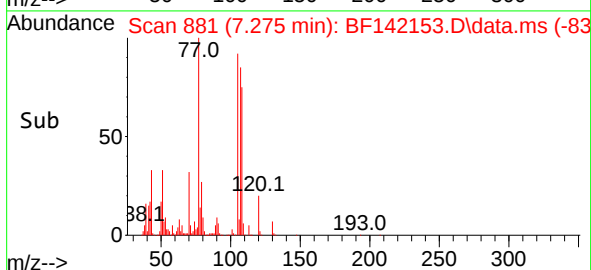
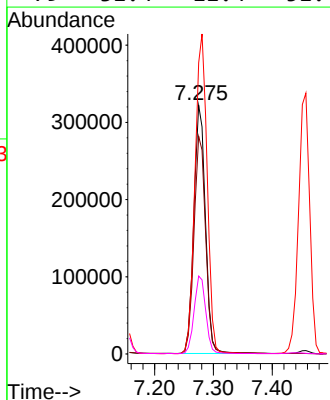
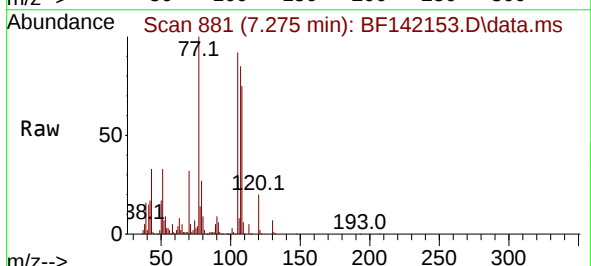
APPROVED

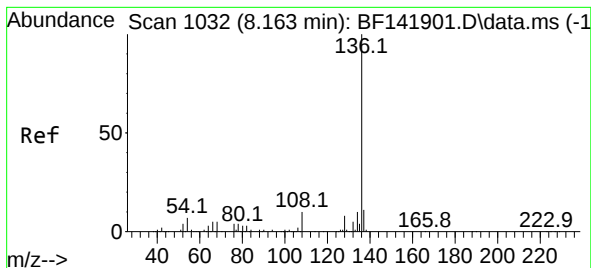
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#20  
3+4-Methylphenols  
Concen: 51.307 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:107 Resp: 441720  
Ion Ratio Lower Upper  
107 100  
108 87.5 68.4 108.4  
77 117.1 69.7 109.7#  
79 31.4 11.4 51.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

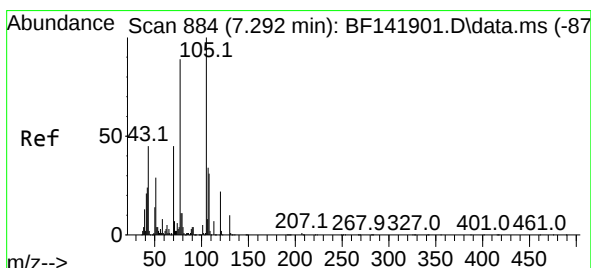
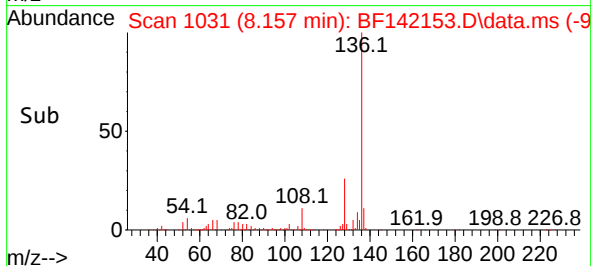
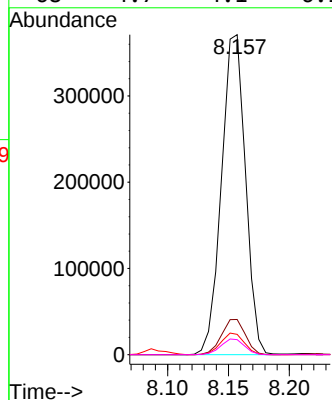
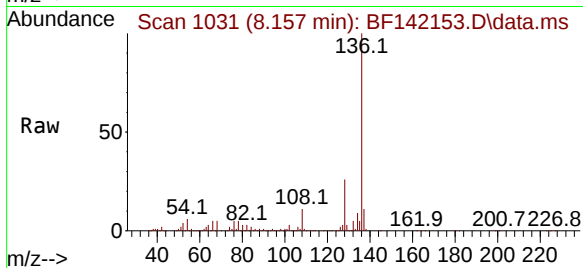
PB167359BS

Tgt Ion:136 Resp: 50929  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 6.4 5.8 8.8  
68 4.7 4.1 6.1

Manual Integrations

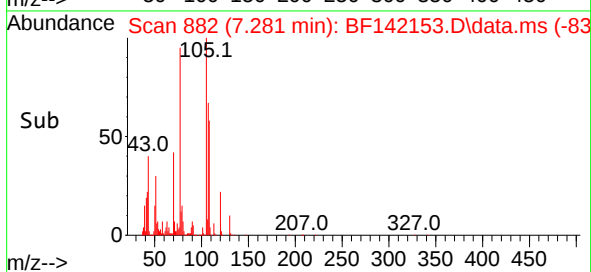
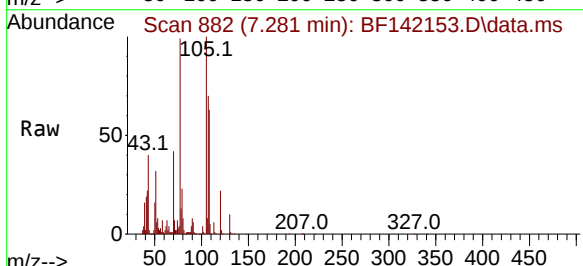
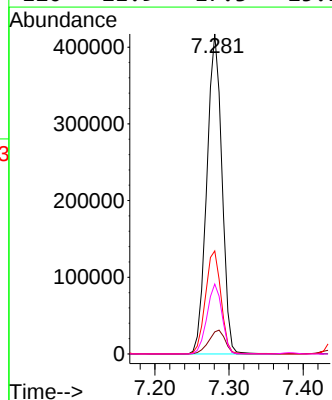
APPROVED

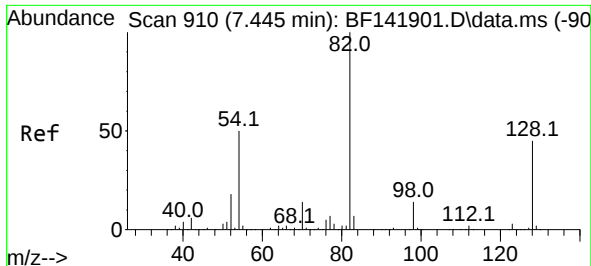
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#22  
Acetophenone  
Concen: 48.463 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:105 Resp: 591079  
Ion Ratio Lower Upper  
105 100  
71 6.9 5.8 8.8  
51 32.2 23.4 35.0  
120 21.9 17.3 25.9





#23

Nitrobenzene-d5

Concen: 96.709 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

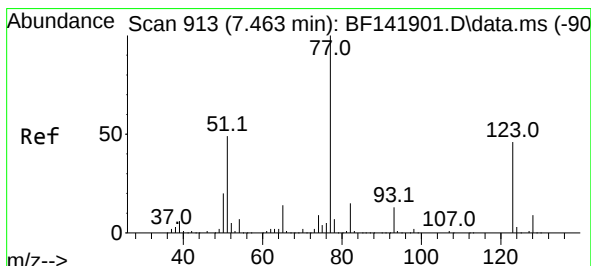
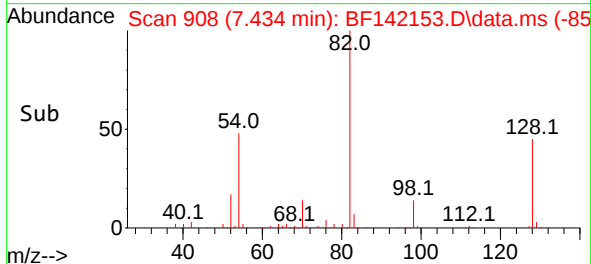
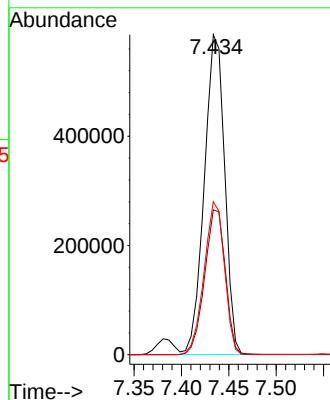
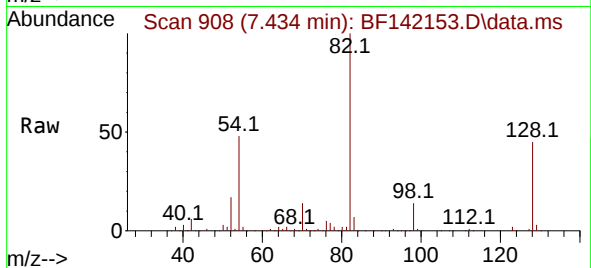
PB167359BS

Tgt Ion: 82 Resp: 875209  
 Ion Ratio Lower Upper  
 82 100  
 128 45.2 36.0 54.0  
 54 47.8 39.6 59.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025



#24

Nitrobenzene

Concen: 49.578 ng

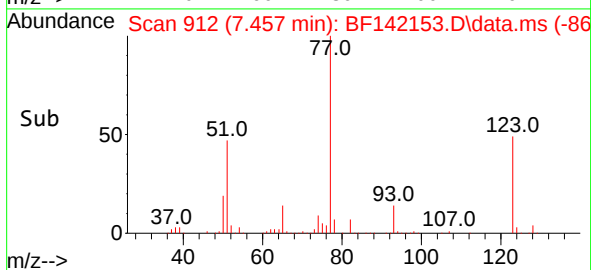
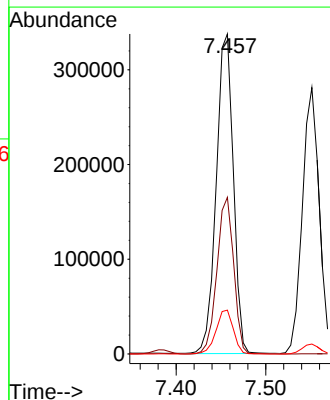
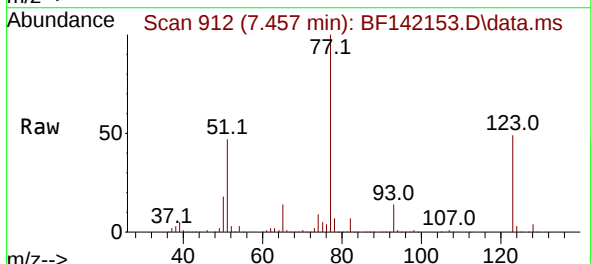
RT: 7.457 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Tgt Ion: 77 Resp: 446038  
 Ion Ratio Lower Upper  
 77 100  
 123 49.0 37.0 55.4  
 65 13.7 11.3 16.9





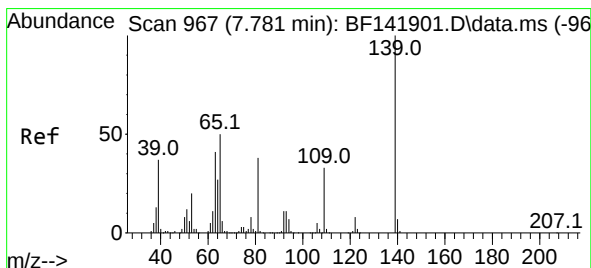
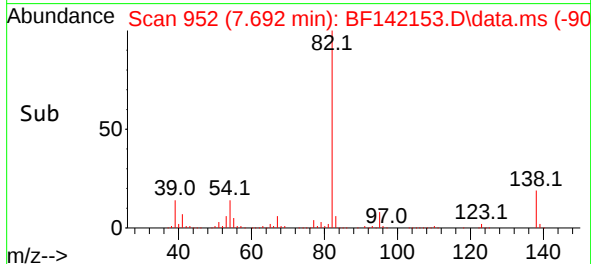
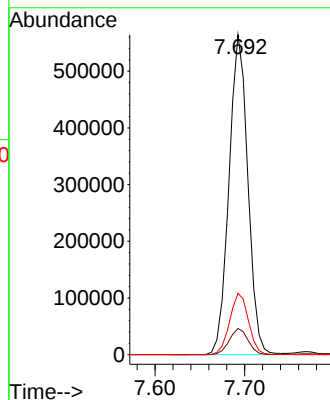
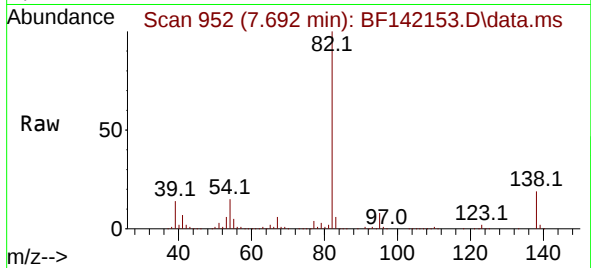
#25  
Isophorone  
Concen: 51.450 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS

Tgt Ion: 82 Resp: 823058  
Ion Ratio Lower Upper  
82 100  
95 8.2 6.4 9.6  
138 19.2 14.9 22.3

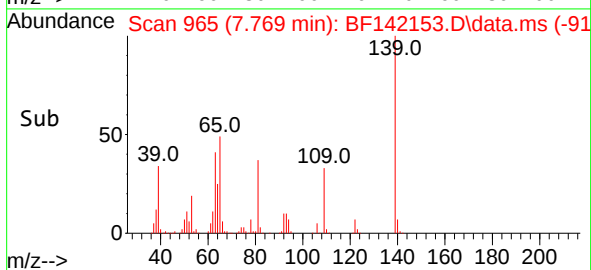
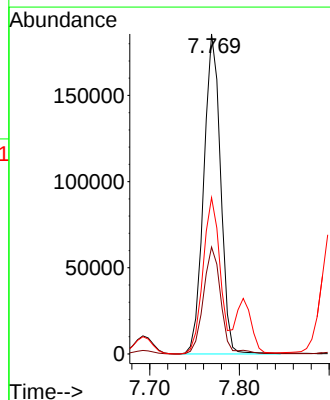
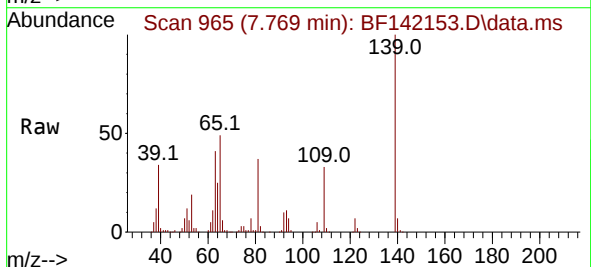
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#26  
2-Nitrophenol  
Concen: 54.890 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:139 Resp: 242372  
Ion Ratio Lower Upper  
139 100  
109 33.4 26.5 39.7  
65 48.8 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 67.741 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142153.D

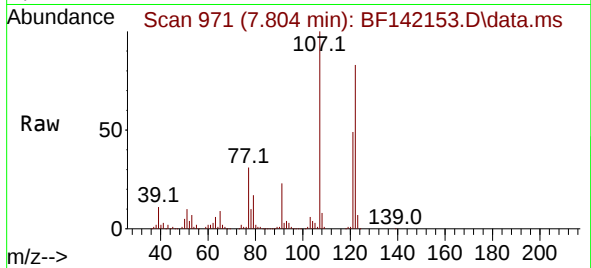
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS



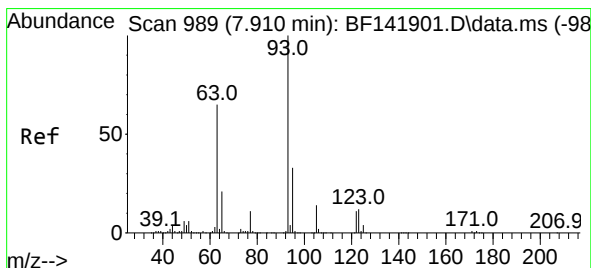
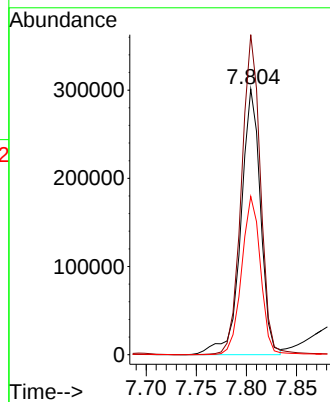
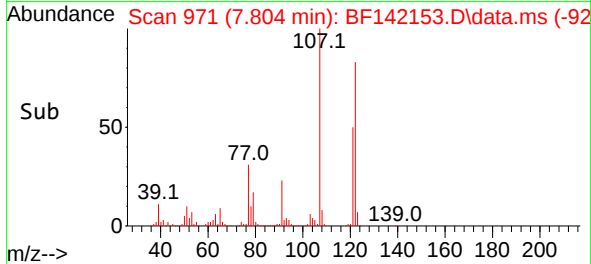
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 41187 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 120.4 | 94.8  | 142.2 |
| 121      | 59.6  | 47.8  | 71.6  |

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#28

bis(2-Chloroethoxy)methane

Concen: 48.342 ng

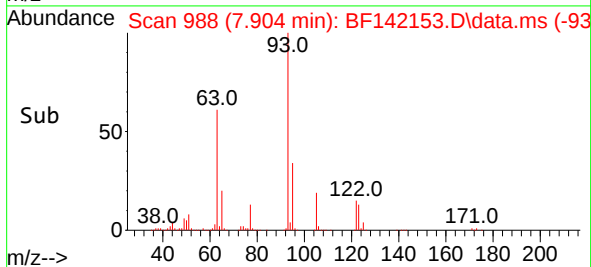
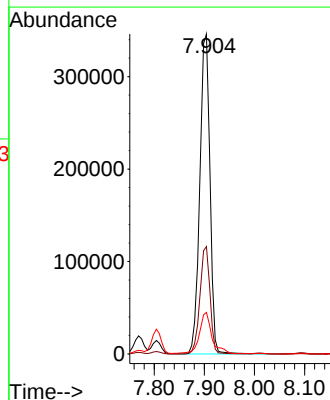
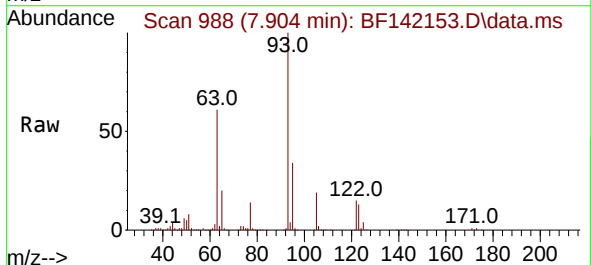
RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 485049 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 33.6  | 26.6  | 40.0   |
| 123      | 13.0  | 10.2  | 15.4   |





#29

2,4-Dichlorophenol

Concen: 52.147 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

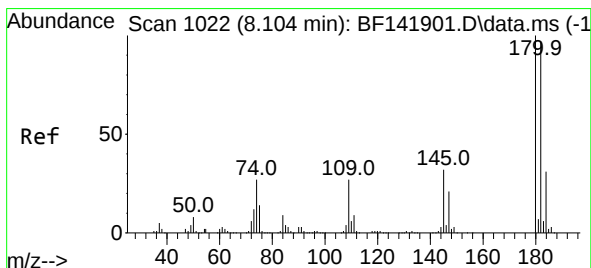
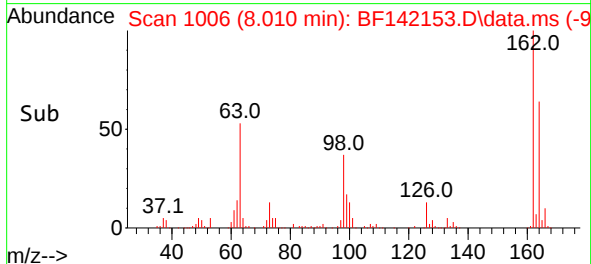
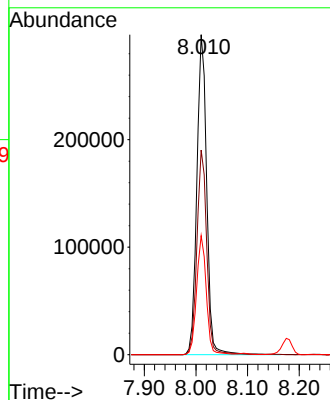
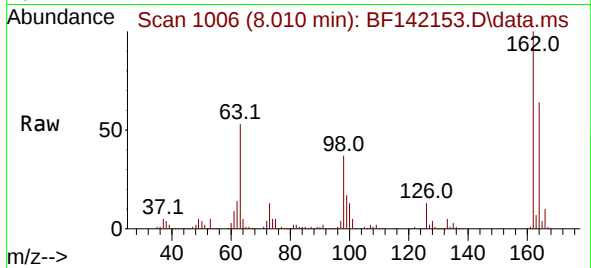
PB167359BS

Tgt Ion:162 Resp: 393540  
 Ion Ratio Lower Upper  
 162 100  
 164 63.9 43.8 83.8  
 98 37.2 18.1 58.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025



#30

1,2,4-Trichlorobenzene

Concen: 51.058 ng

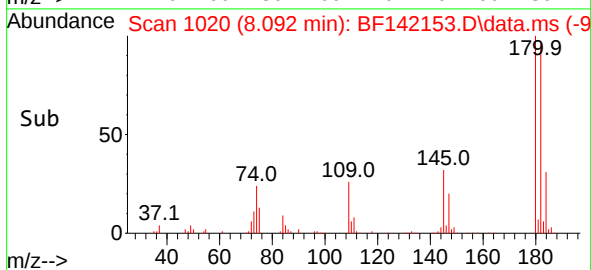
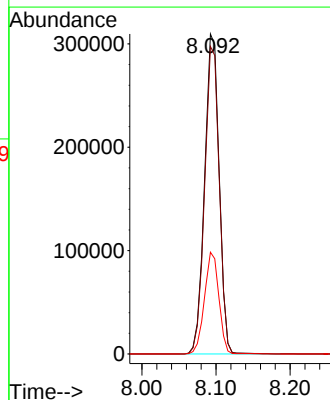
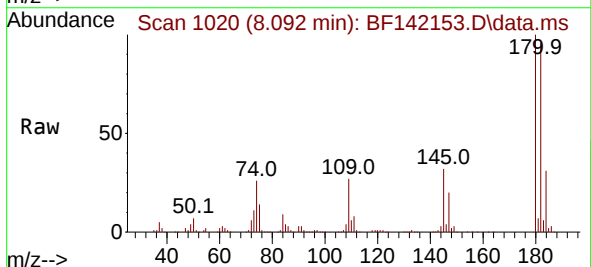
RT: 8.092 min Scan# 1020

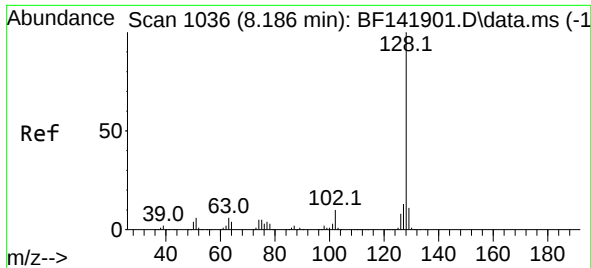
Delta R.T. -0.012 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

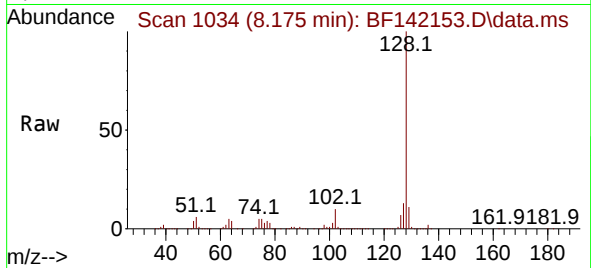
Tgt Ion:180 Resp: 424641  
 Ion Ratio Lower Upper  
 180 100  
 182 96.1 77.5 116.3  
 145 31.8 25.8 38.6





#31  
Naphthalene  
Concen: 48.871 ng  
RT: 8.175 min Scan# 1036  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

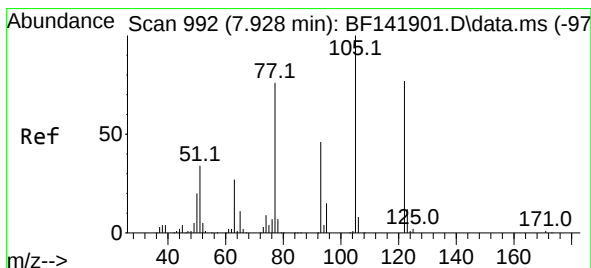
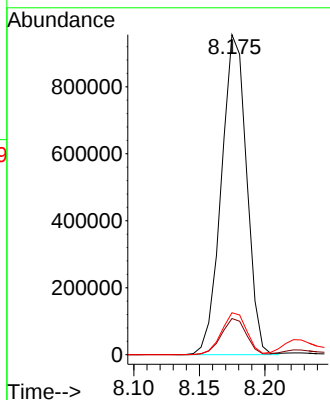
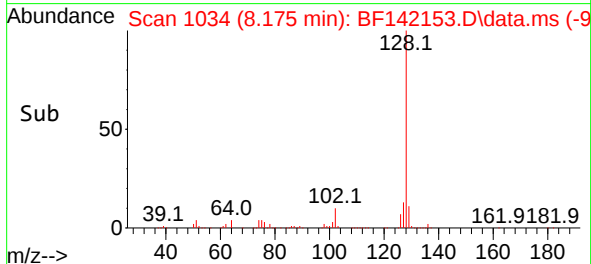
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



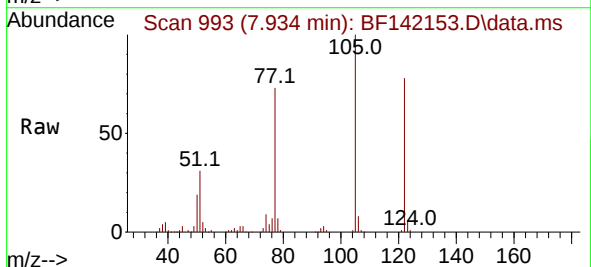
Tgt Ion:128 Resp: 127854  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.1 10.8 16.2

Manual Integrations  
APPROVED

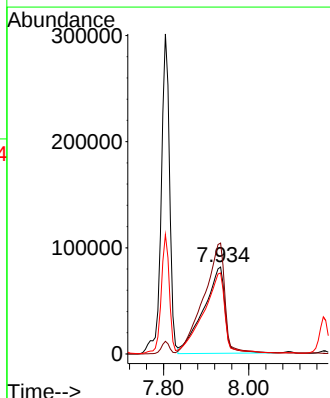
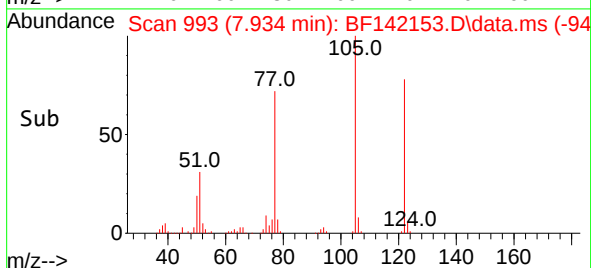
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#32  
Benzoic acid  
Concen: 53.678 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:122 Resp: 286887  
Ion Ratio Lower Upper  
122 100  
105 127.6 107.9 147.9  
77 93.3 79.0 119.0





#33  
4-Chloroaniline  
Concen: 11.318 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

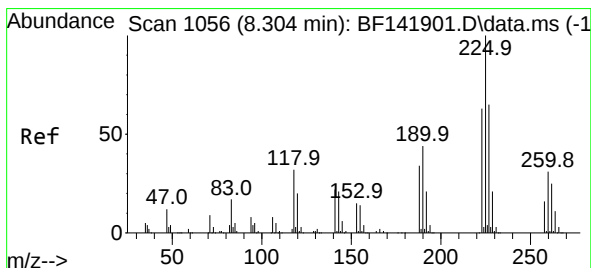
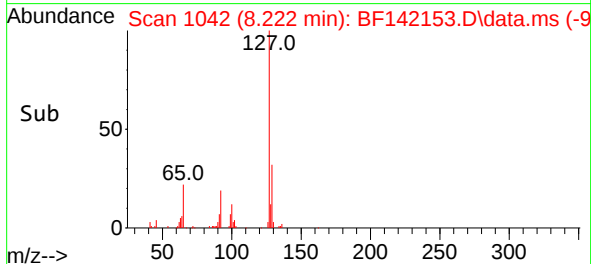
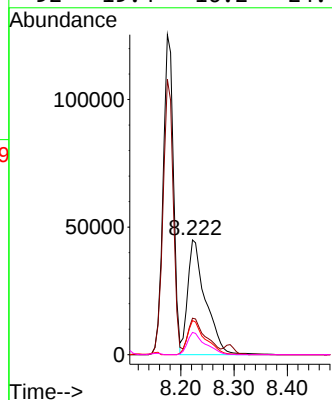
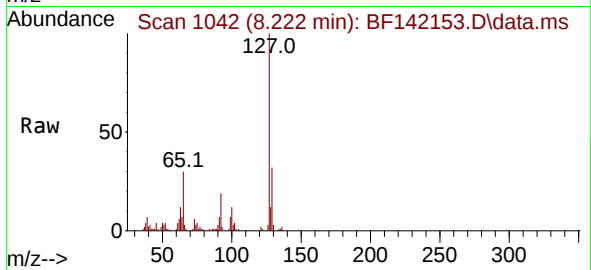
PB167359BS

Tgt Ion:127 Resp: 10452  
Ion Ratio Lower Upper  
127 100  
129 31.8 26.2 39.4  
65 29.7 25.4 38.2  
92 19.4 16.2 24.4

Manual Integrations

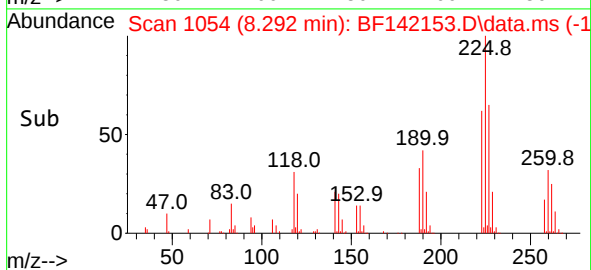
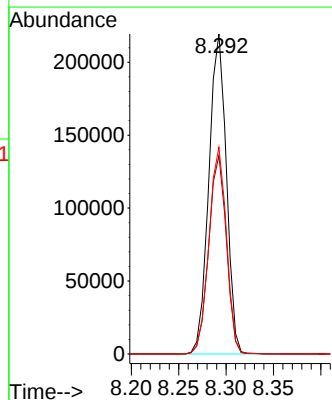
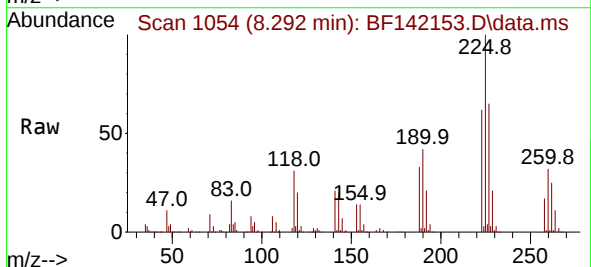
APPROVED

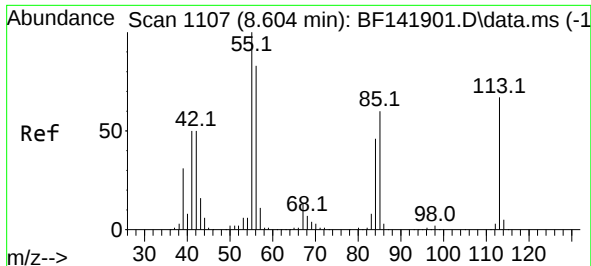
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#34  
Hexachlorobutadiene  
Concen: 51.863 ng  
RT: 8.292 min Scan# 1054  
Delta R.T. -0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:225 Resp: 281295  
Ion Ratio Lower Upper  
225 100  
223 62.0 50.6 75.8  
227 64.7 52.2 78.2





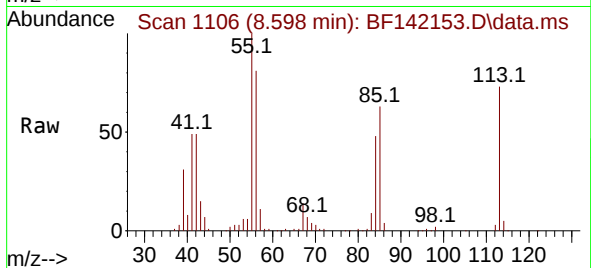
#35  
Caprolactam  
Concen: 52.975 ng m  
RT: 8.598 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

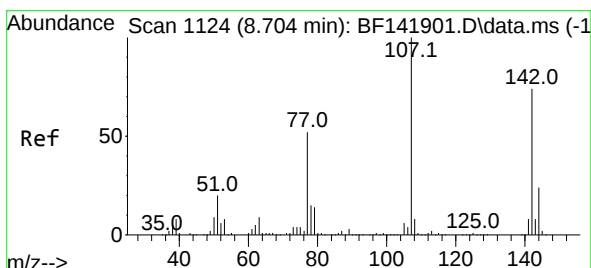
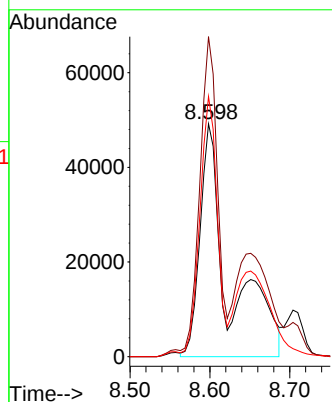
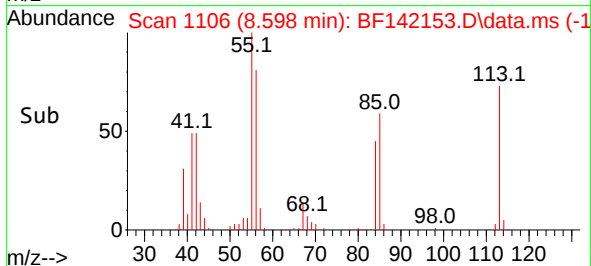


Tgt Ion:113 Resp: 12188  
Ion Ratio Lower Upper  
113 100  
55 137.4 129.6 169.6  
56 111.7 104.0 144.0

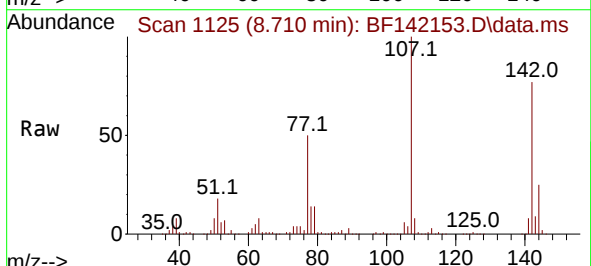
Manual Integrations

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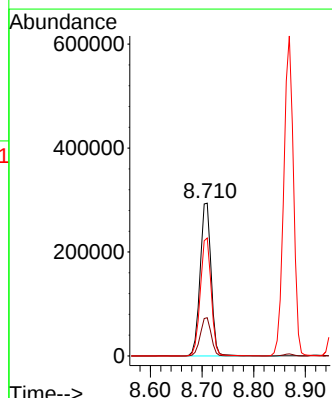
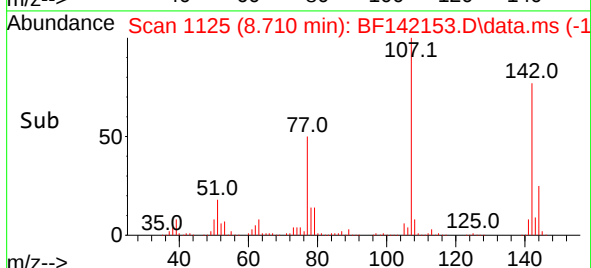
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

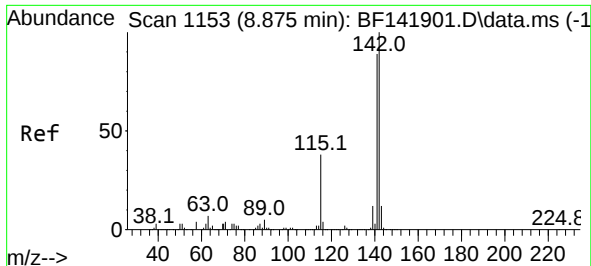


#36  
4-Chloro-3-methylphenol  
Concen: 51.762 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:107 Resp: 435758  
Ion Ratio Lower Upper  
107 100  
144 25.1 19.0 28.6  
142 77.2 59.2 88.8





#37

2-Methylnaphthalene

Concen: 45.754 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

Tgt Ion:142 Resp: 800090

Ion Ratio Lower Upper

142 100

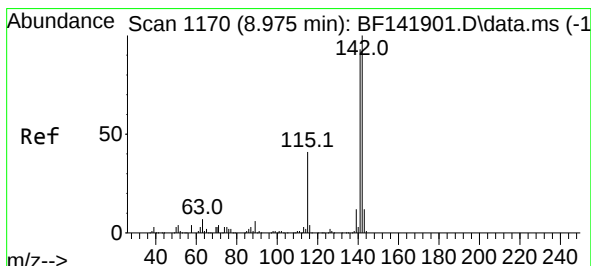
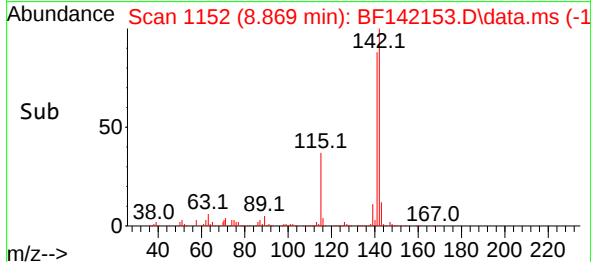
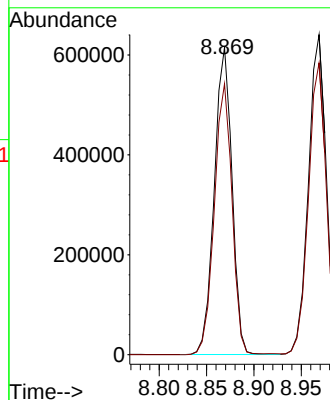
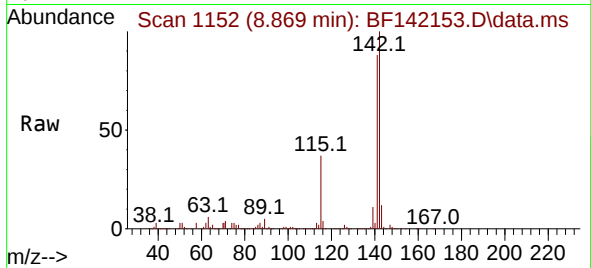
141 88.1 71.2 106.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#38

1-Methylnaphthalene

Concen: 49.408 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF142153.D

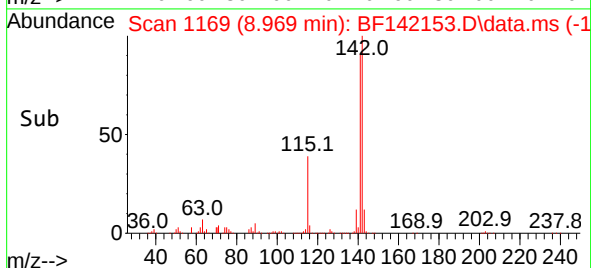
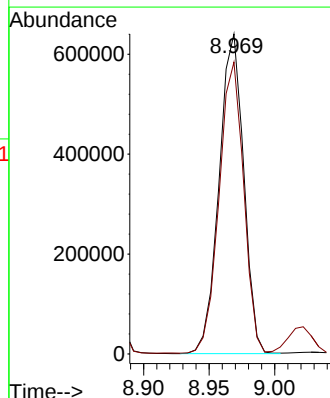
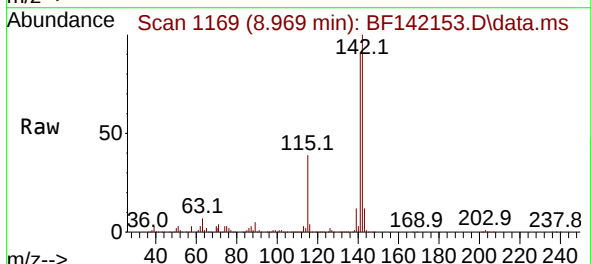
Acq: 28 Mar 2025 11:33

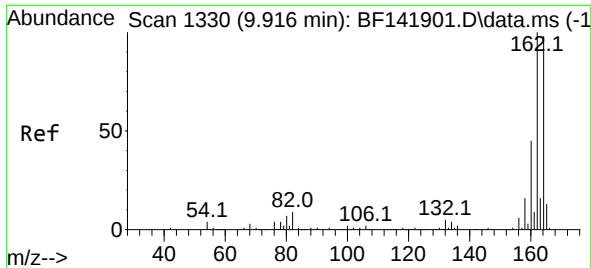
Tgt Ion:142 Resp: 833728

Ion Ratio Lower Upper

142 100

141 91.2 74.2 111.4





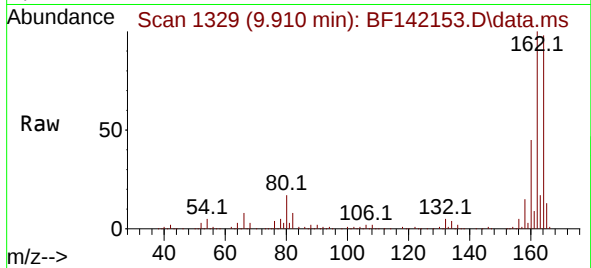
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

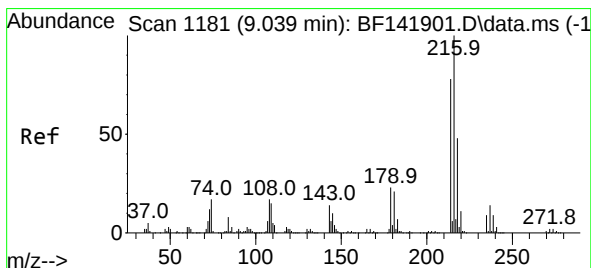
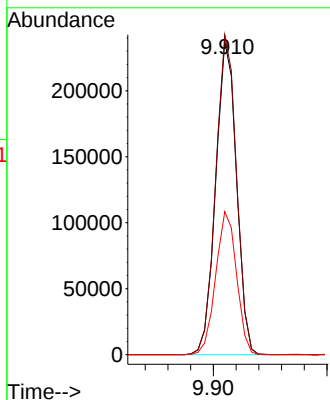
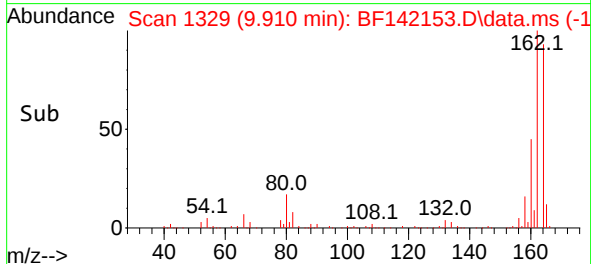


Tgt Ion:164 Resp: 30193  
Ion Ratio Lower Upper  
164 100  
162 102.1 81.8 122.6  
160 45.6 36.7 55.1

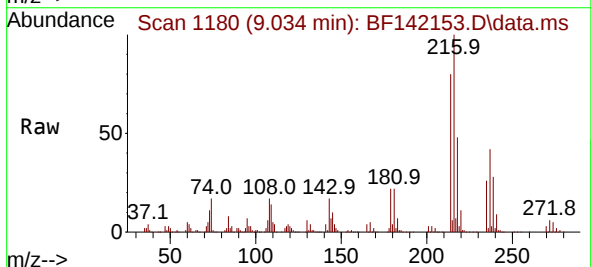
Manual Integrations

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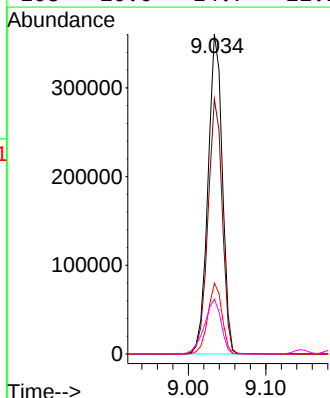
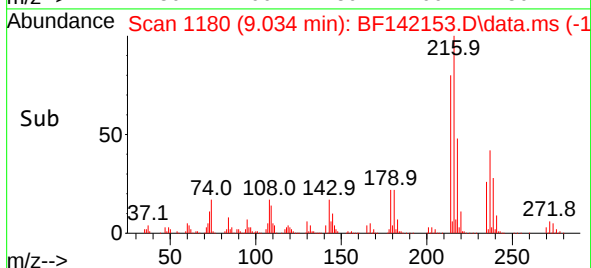
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

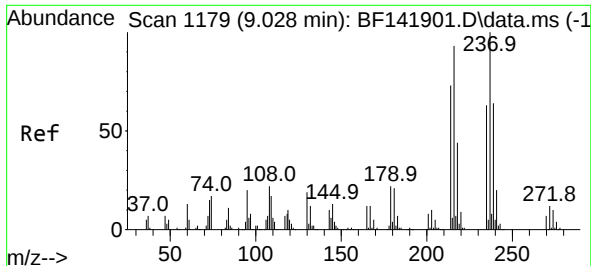


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 50.488 ng  
RT: 9.034 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



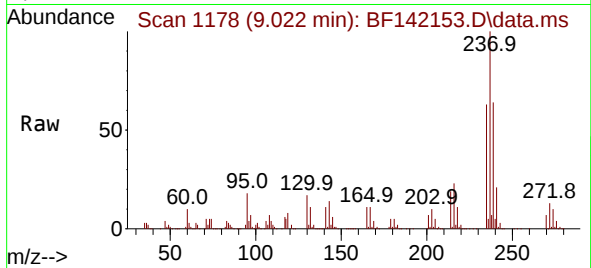
Tgt Ion:216 Resp: 464116  
Ion Ratio Lower Upper  
216 100  
214 79.3 61.9 92.9  
179 21.8 18.1 27.1  
108 20.0 14.7 22.1





#41  
Hexachlorocyclopentadiene  
Concen: 178.437 ng  
RT: 9.022 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

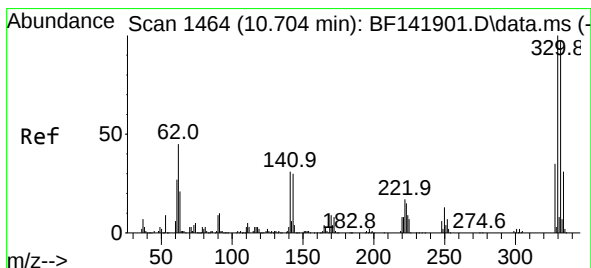
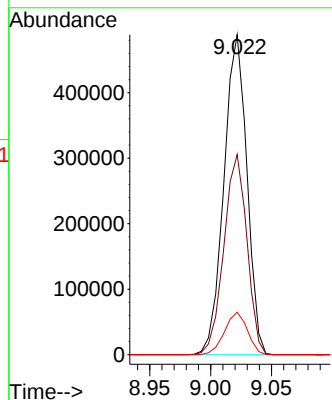
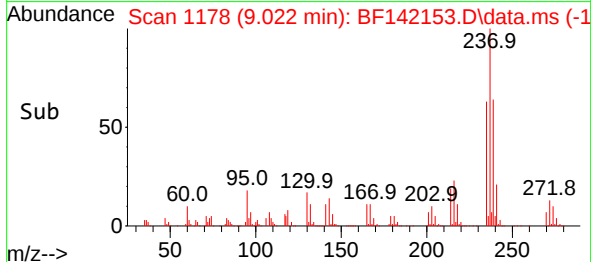
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



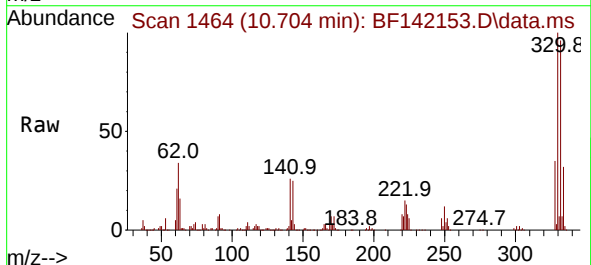
Tgt Ion:237 Resp: 641948  
Ion Ratio Lower Upper  
237 100  
235 62.5 43.1 83.1  
272 13.3 0.0 32.0

Manual Integrations  
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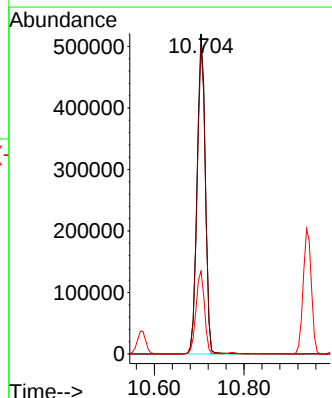
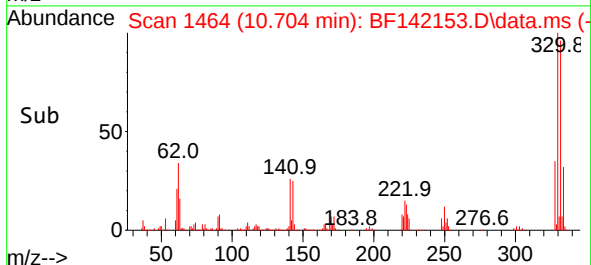
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#42  
2,4,6-Tribromophenol  
Concen: 173.381 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



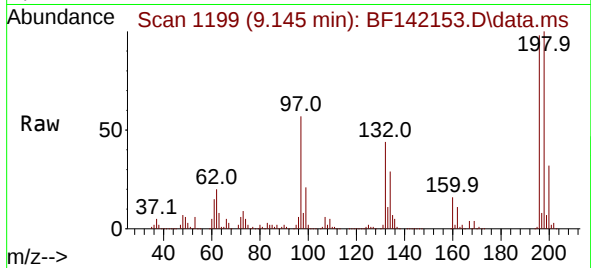
Tgt Ion:330 Resp: 664119  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.6 116.4  
141 26.6 24.7 37.1





#43  
2,4,6-Trichlorophenol  
Concen: 52.847 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

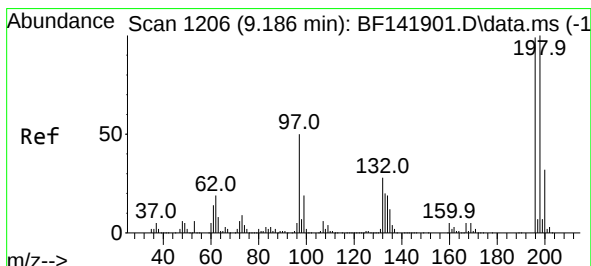
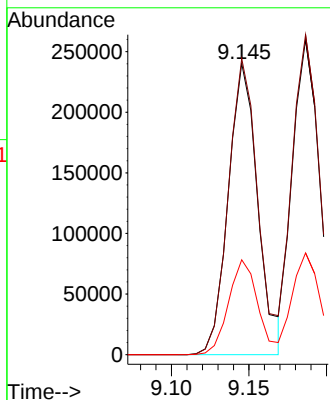
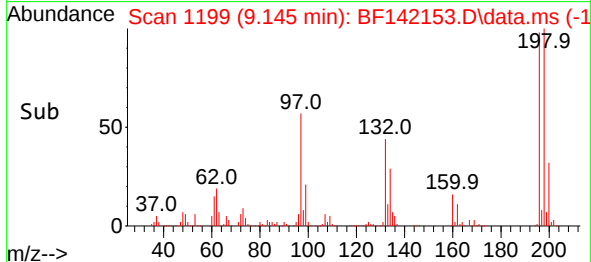
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



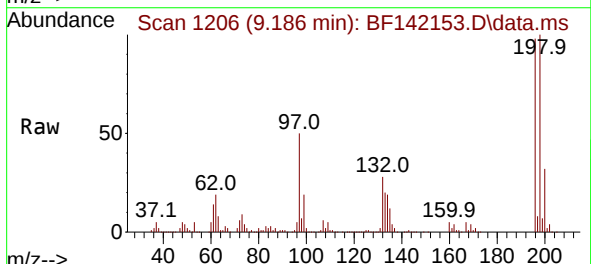
Tgt Ion:196 Resp: 31749  
Ion Ratio Lower Upper  
196 100  
198 101.7 80.6 121.0  
200 32.6 25.8 38.6

Manual Integrations  
APPROVED

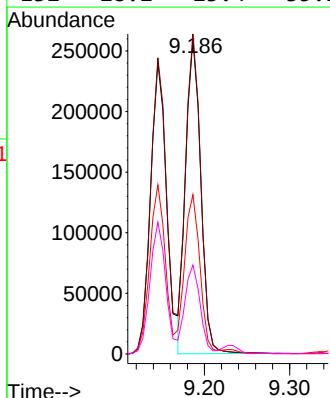
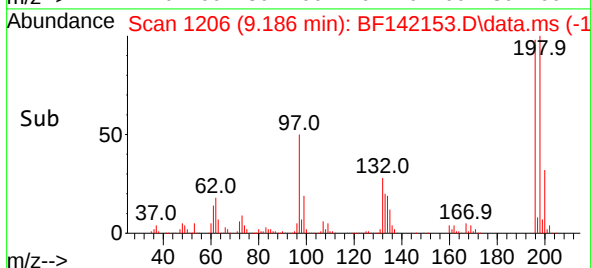
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

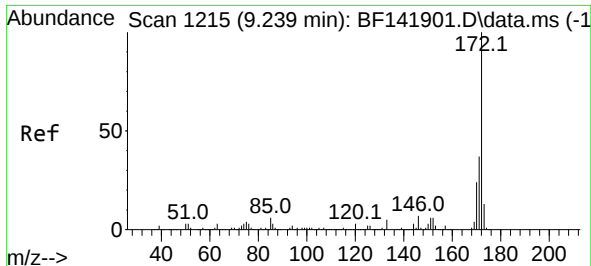


#44  
2,4,5-Trichlorophenol  
Concen: 52.605 ng  
RT: 9.186 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



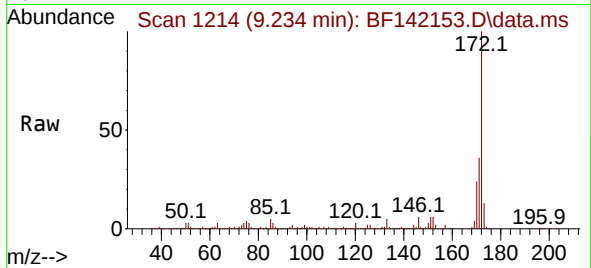
Tgt Ion:196 Resp: 320082  
Ion Ratio Lower Upper  
196 100  
198 101.6 80.7 121.1  
97 50.6 42.1 63.1  
132 28.2 23.4 35.2





#45  
2-Fluorobiphenyl  
Concen: 95.756 ng  
RT: 9.234 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

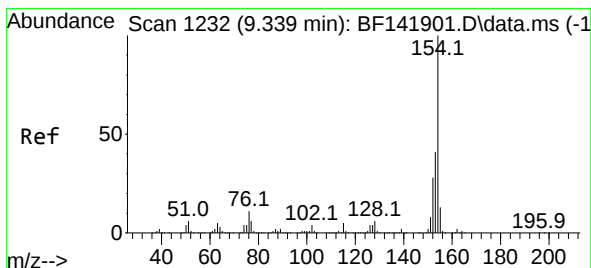
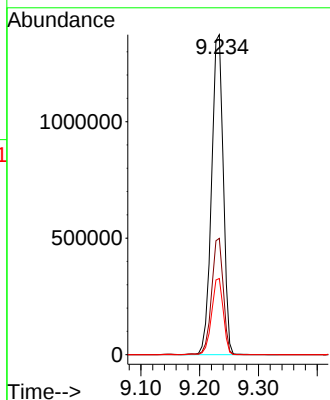
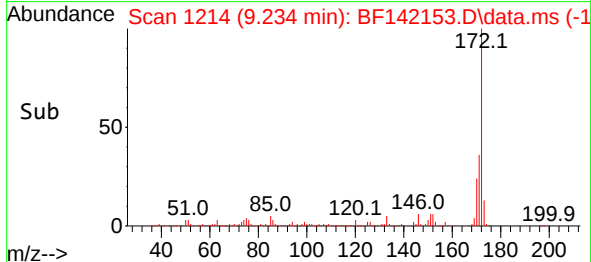
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



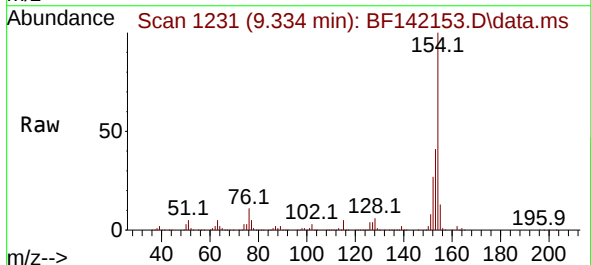
Tgt Ion:172 Resp: 190107  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.3 43.9  
170 23.8 19.4 29.0

Manual Integrations  
APPROVED

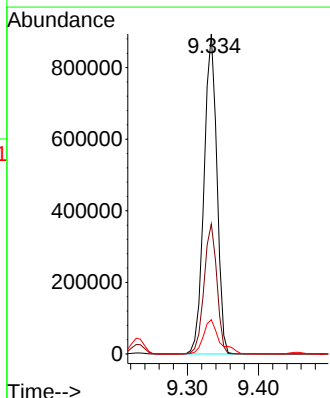
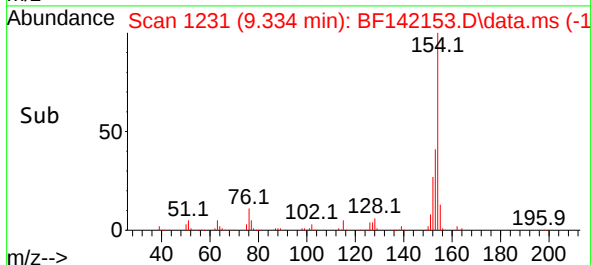
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

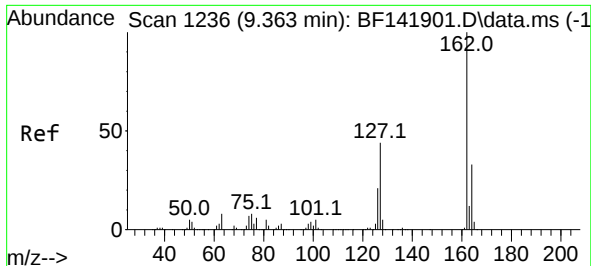


#46  
1,1'-Biphenyl  
Concen: 49.174 ng  
RT: 9.334 min Scan# 1231  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:154 Resp: 1128118  
Ion Ratio Lower Upper  
154 100  
153 40.7 21.1 61.1  
76 10.7 0.0 31.3





#47

2-Chloronaphthalene

Concen: 50.520 ng

RT: 9.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

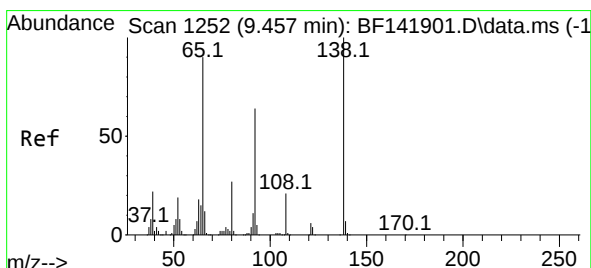
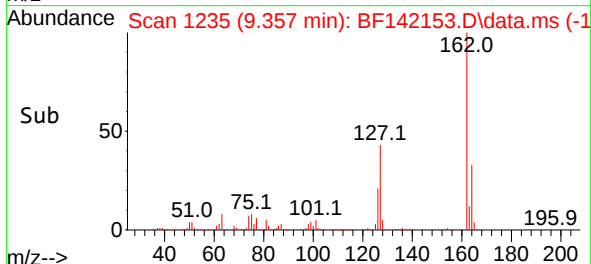
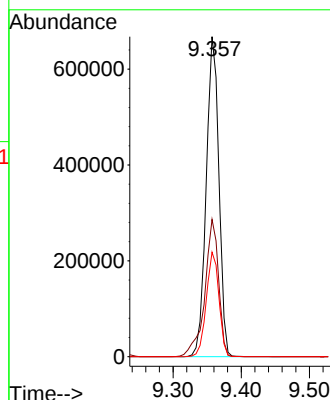
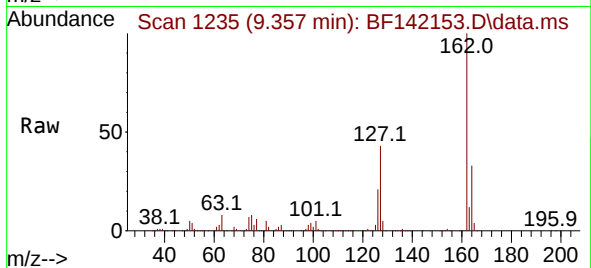
PB167359BS

Tgt Ion:162 Resp: 863850  
 Ion Ratio Lower Upper  
 162 100  
 127 42.9 35.5 53.3  
 164 32.7 26.6 40.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025



#48

2-Nitroaniline

Concen: 50.922 ng

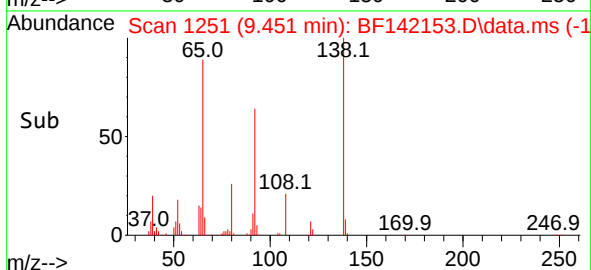
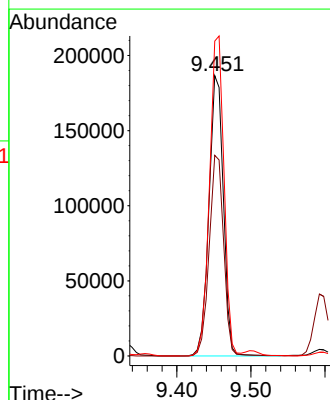
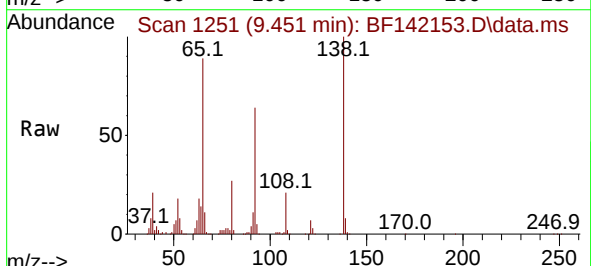
RT: 9.451 min Scan# 1251

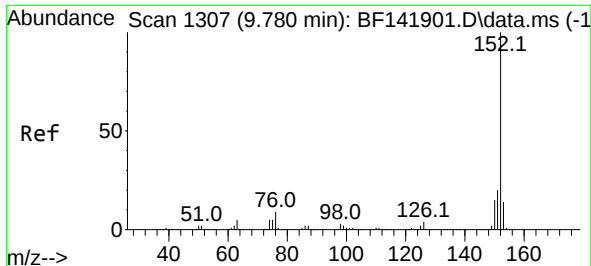
Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Tgt Ion: 65 Resp: 252113  
 Ion Ratio Lower Upper  
 65 100  
 92 71.6 56.6 84.8  
 138 112.3 88.6 133.0





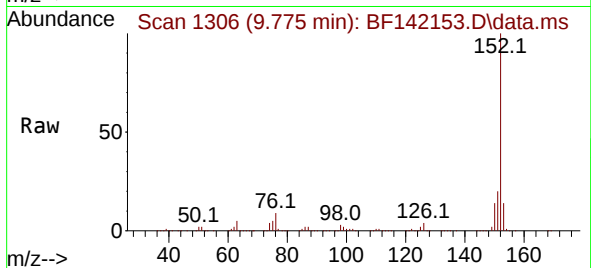
#49  
Acenaphthylene  
Concen: 53.780 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

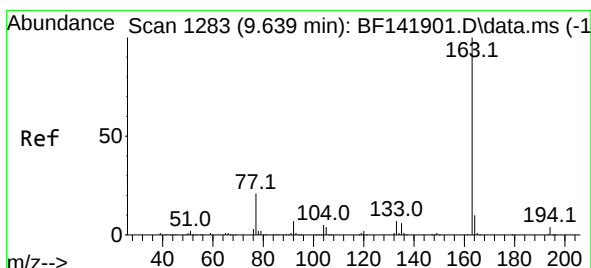
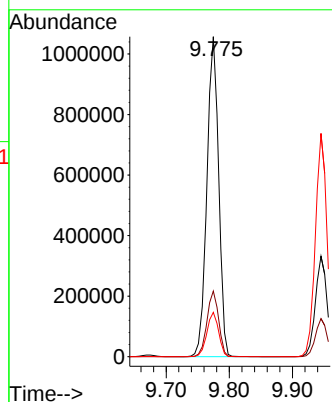
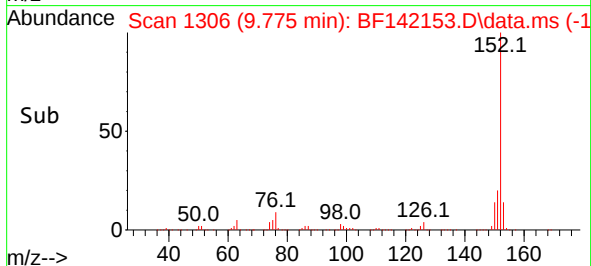


Tgt Ion:152 Resp: 1364640  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.3 24.5  
153 13.9 11.1 16.7

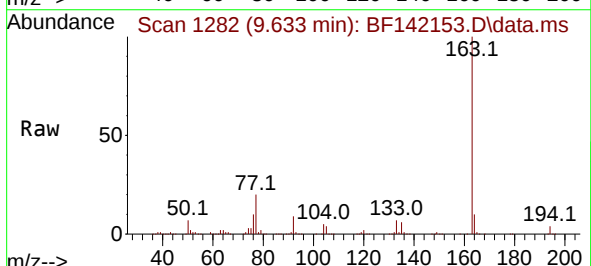
Manual Integrations

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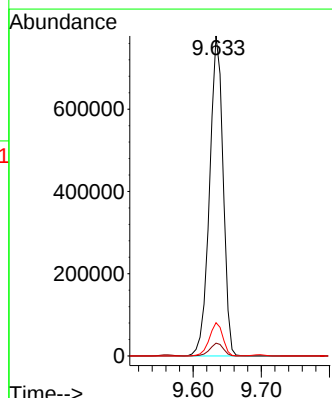
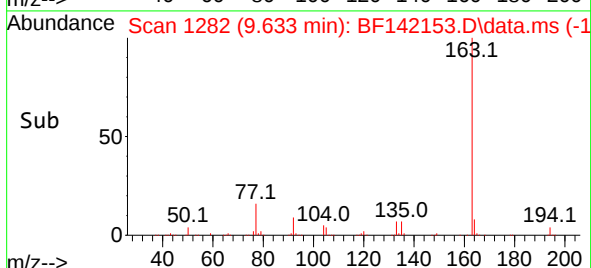
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

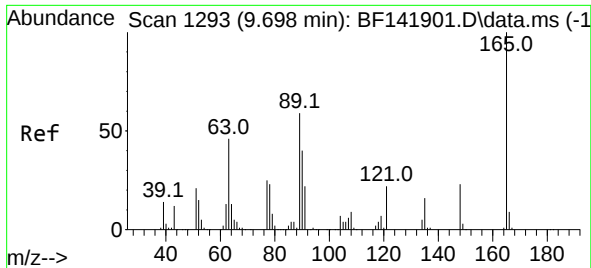


#50  
Dimethylphthalate  
Concen: 50.958 ng  
RT: 9.633 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:163 Resp: 1077433  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.4 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 53.103 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

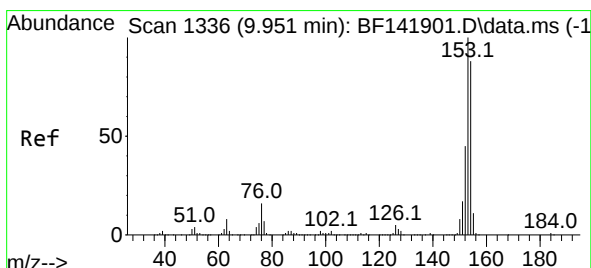
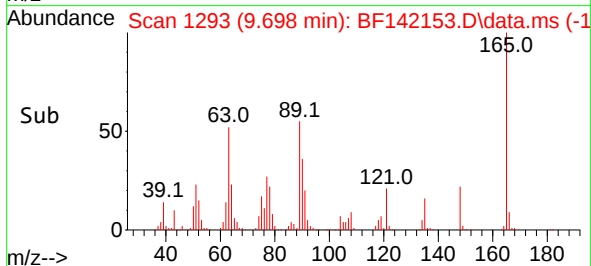
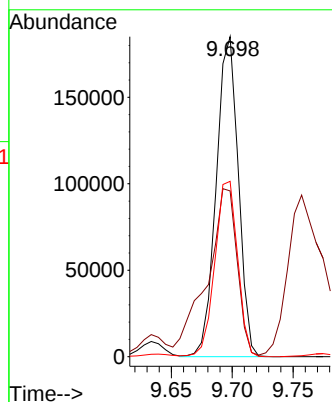
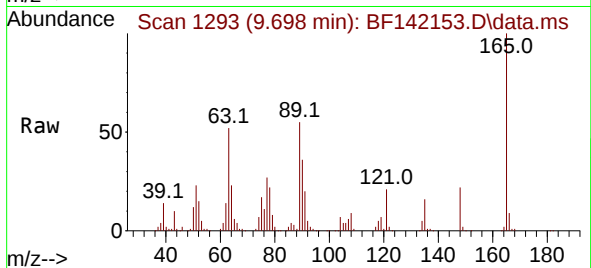
PB167359BS

Tgt Ion:165 Resp: 23377  
Ion Ratio Lower Upper  
165 100  
63 51.8 47.0 70.4  
89 54.8 47.4 71.2

Manual Integrations

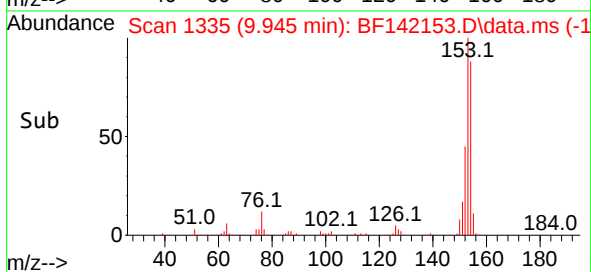
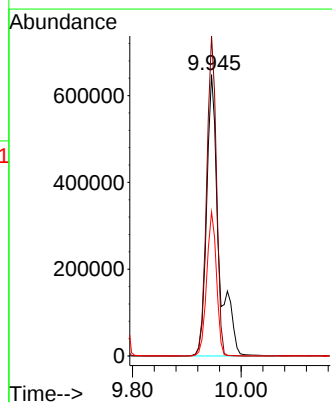
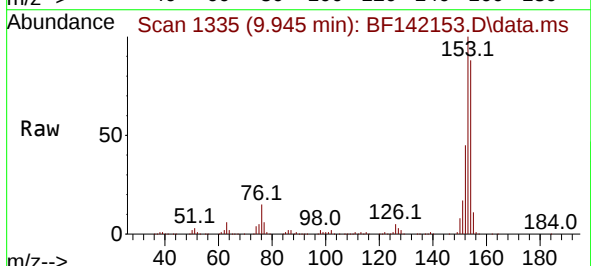
APPROVED

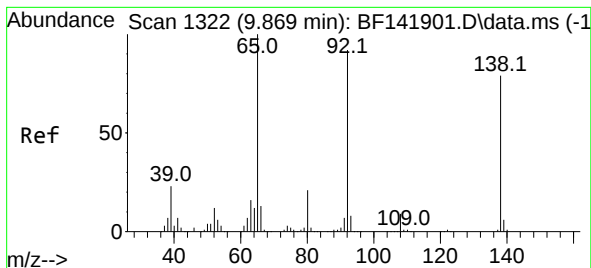
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#52  
Acenaphthene  
Concen: 57.003 ng m  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:154 Resp: 1016476  
Ion Ratio Lower Upper  
154 100  
153 113.8 90.7 136.1  
152 51.2 41.1 61.7





#53

3-Nitroaniline

Concen: 20.755 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

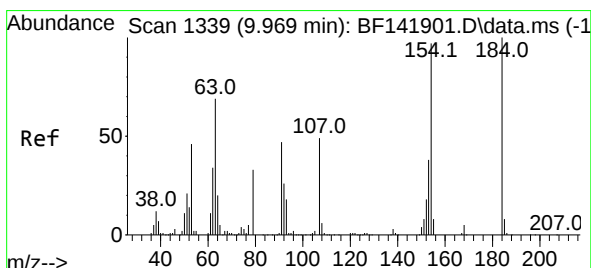
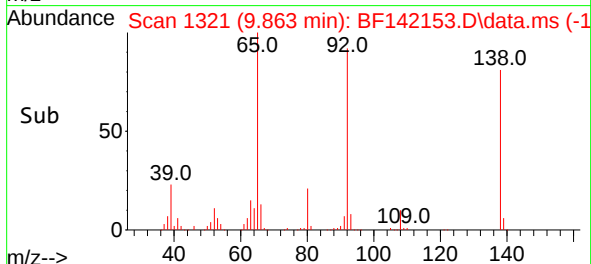
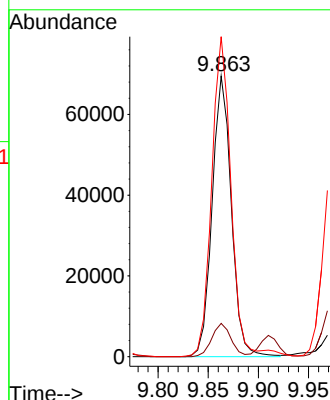
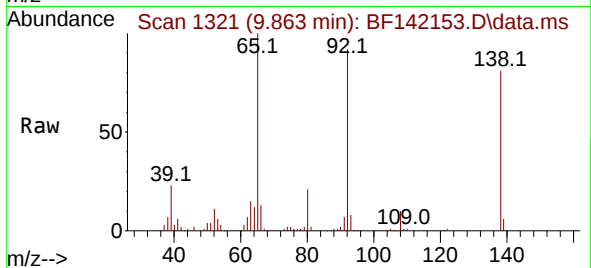
PB167359BS

Tgt Ion:138 Resp: 92683  
 Ion Ratio Lower Upper  
 138 100  
 108 11.9 9.3 13.9  
 92 114.0 93.5 140.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025



#54

2,4-Dinitrophenol

Concen: 112.045 ng

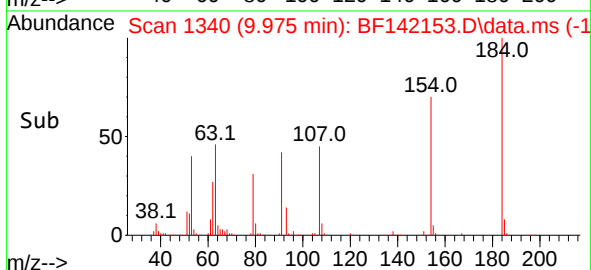
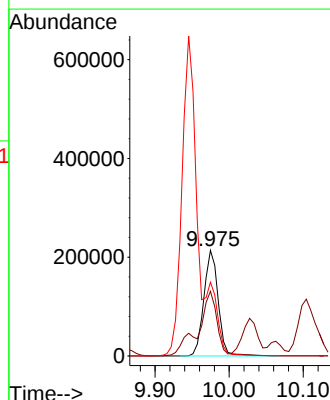
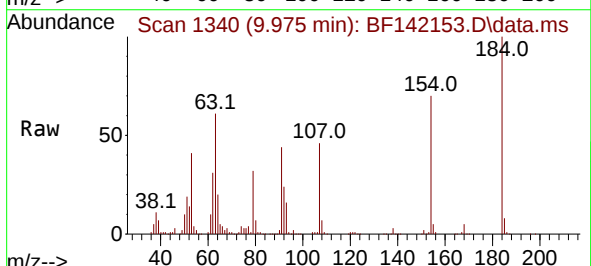
RT: 9.975 min Scan# 1340

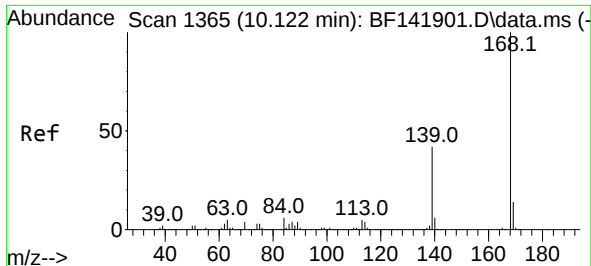
Delta R.T. 0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

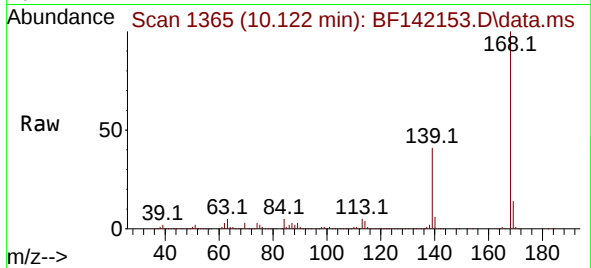
Tgt Ion:184 Resp: 287431  
 Ion Ratio Lower Upper  
 184 100  
 63 61.2 60.2 90.4  
 154 69.8 132.9 199.3#





#55  
Dibenzenofuran  
Concen: 48.680 ng  
RT: 10.122 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

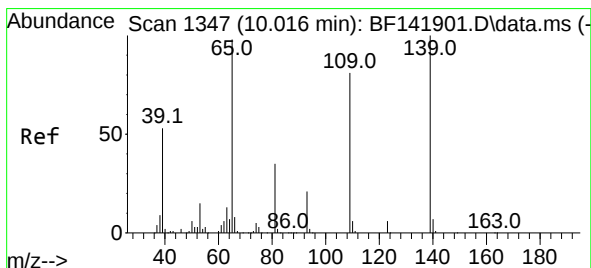
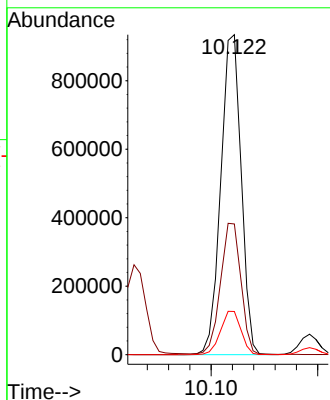
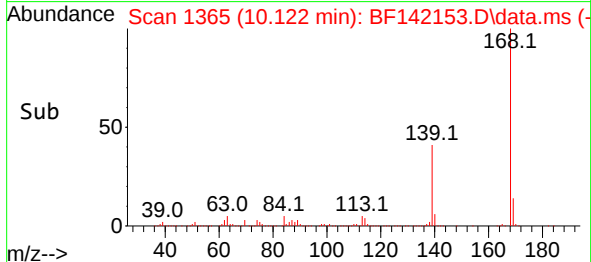
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



Tgt Ion:168 Resp: 1240364  
Ion Ratio Lower Upper  
168 100  
139 40.9 33.9 50.9  
169 13.5 11.0 16.4

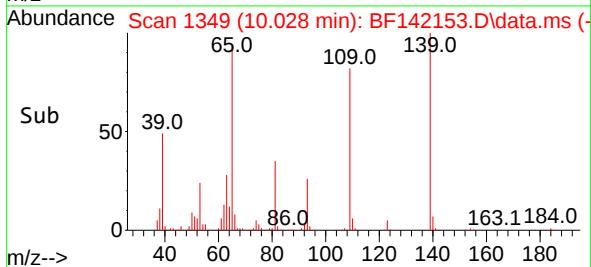
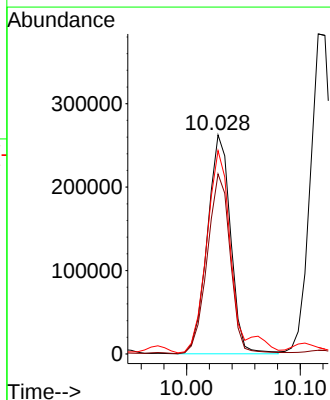
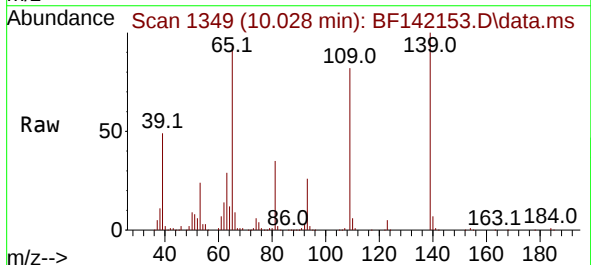
Manual Integrations  
APPROVED

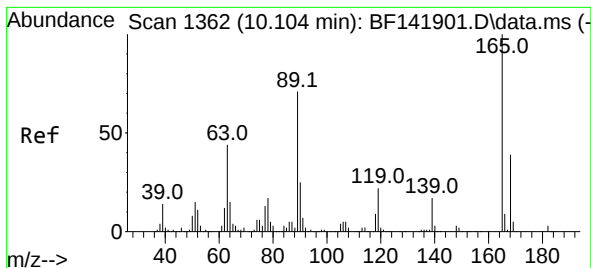
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#56  
4-Nitrophenol  
Concen: 110.678 ng  
RT: 10.028 min Scan# 1349  
Delta R.T. 0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:139 Resp: 372717  
Ion Ratio Lower Upper  
139 100  
109 82.2 61.6 101.6  
65 92.9 79.4 119.4





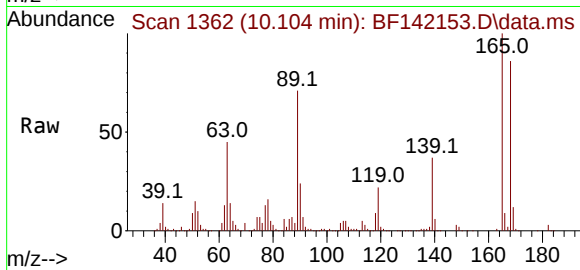
#57  
2,4-Dinitrotoluene  
Concen: 57.887 ng  
RT: 10.104 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

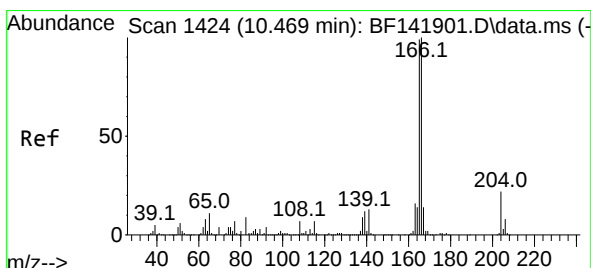
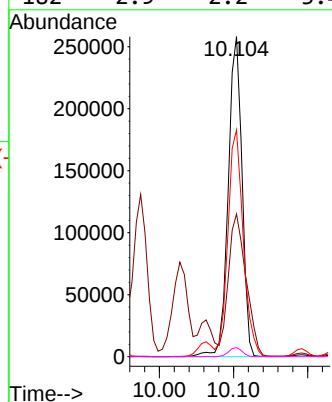
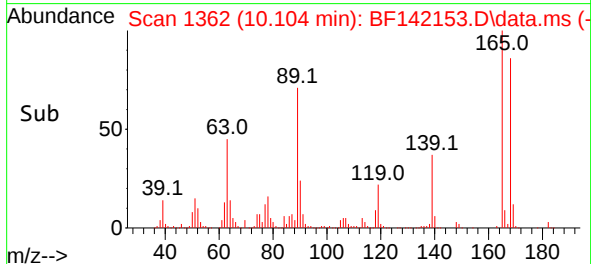


Tgt Ion:165 Resp: 332839  
Ion Ratio Lower Upper  
165 100  
63 44.6 35.4 53.2  
89 70.8 56.6 84.8  
182 2.9 2.2 3.4

Manual Integrations

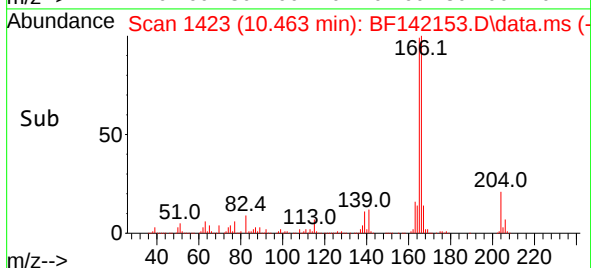
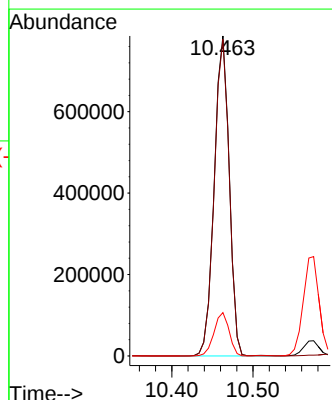
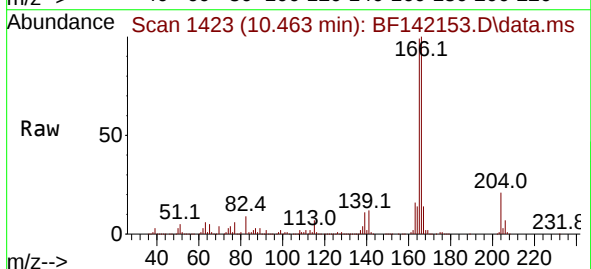
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#58  
Fluorene  
Concen: 51.231 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

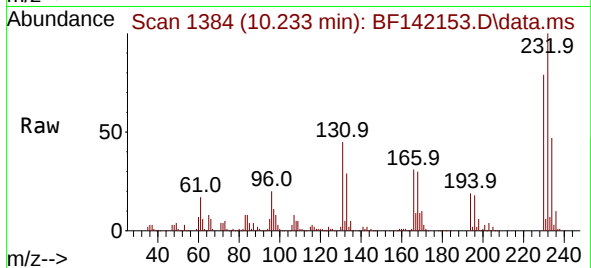
Tgt Ion:166 Resp: 1006665  
Ion Ratio Lower Upper  
166 100  
165 98.9 79.0 118.4  
167 13.6 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 54.636 ng  
RT: 10.233 min Scan# 1384  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

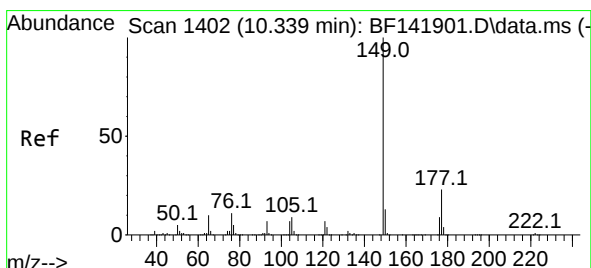
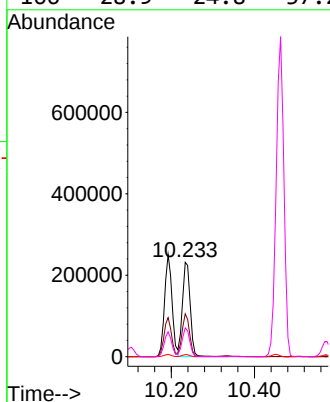
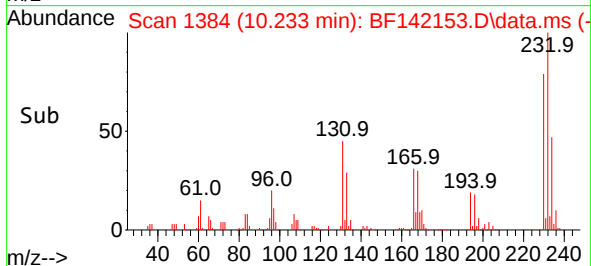
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



Tgt Ion:232 Resp: 302510  
Ion Ratio Lower Upper  
232 100  
131 44.2 37.3 55.9  
130 2.2 1.9 2.9  
166 28.9 24.8 37.2

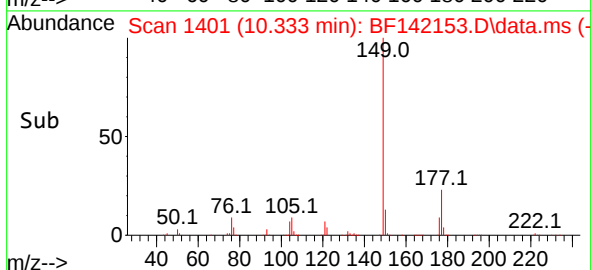
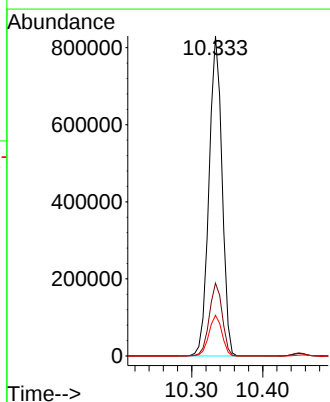
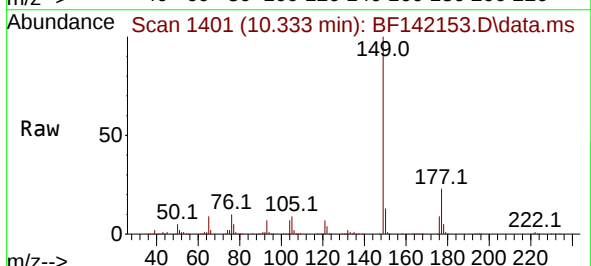
Manual Integrations  
APPROVED

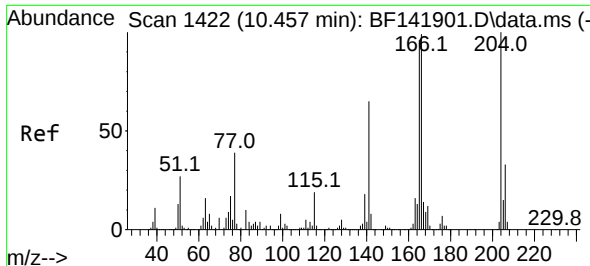
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#60  
Diethylphthalate  
Concen: 50.183 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

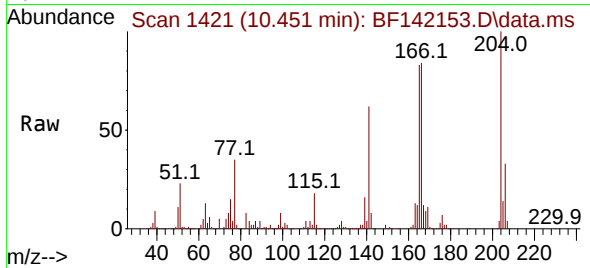
Tgt Ion:149 Resp: 1058006  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.0 27.0  
150 12.7 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 51.483 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

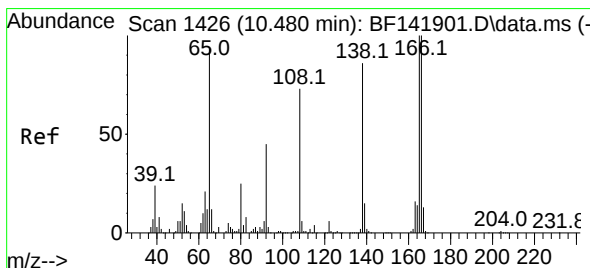
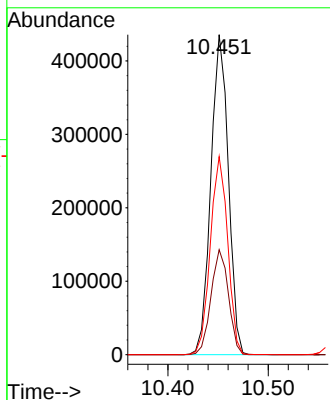
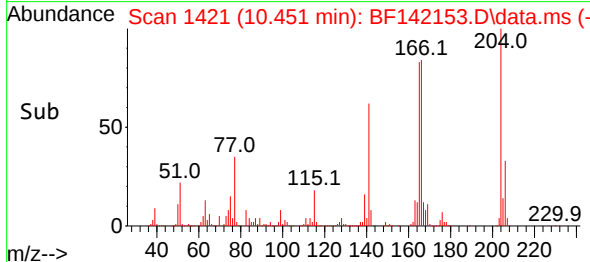
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



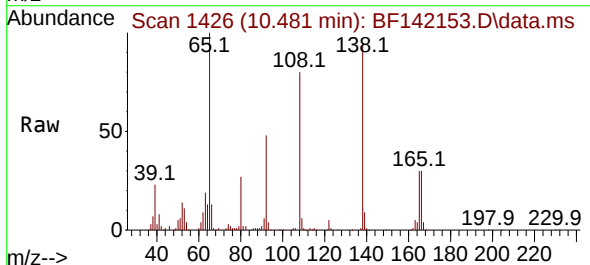
Tgt Ion:204 Resp: 52740  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.8 40.2  
141 61.9 52.4 78.6

Manual Integrations  
APPROVED

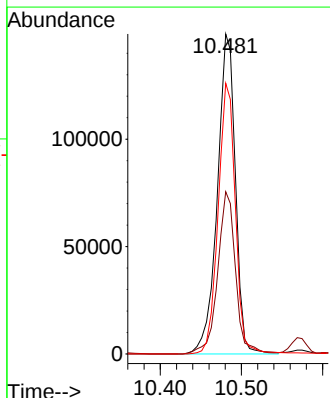
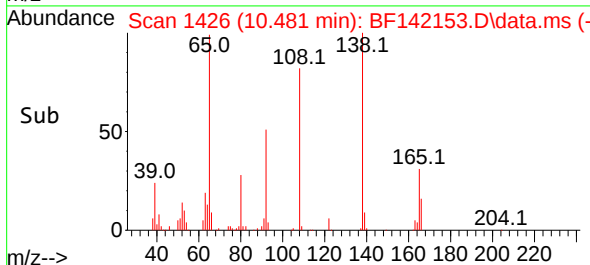
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

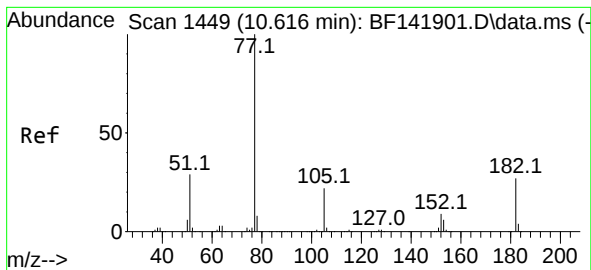


#62  
4-Nitroaniline  
Concen: 53.107 ng  
RT: 10.481 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



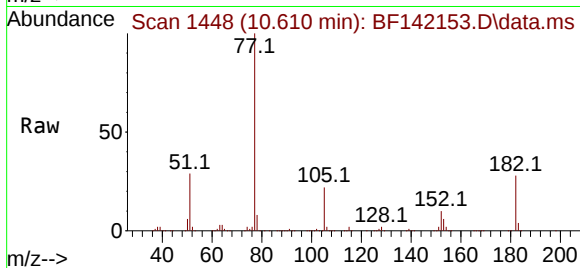
Tgt Ion:138 Resp: 230881  
Ion Ratio Lower Upper  
138 100  
92 50.7 32.6 72.6  
108 84.6 65.0 105.0





#63  
Azobenzene  
Concen: 47.387 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

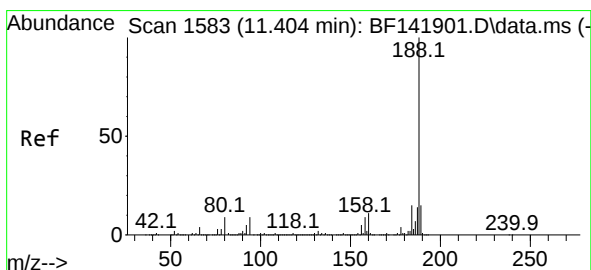
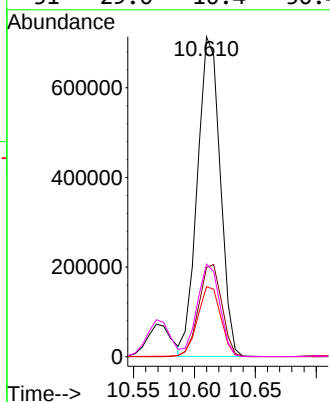
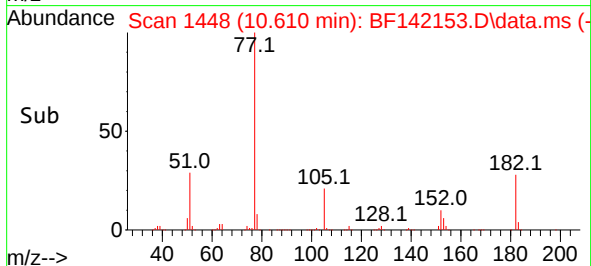
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



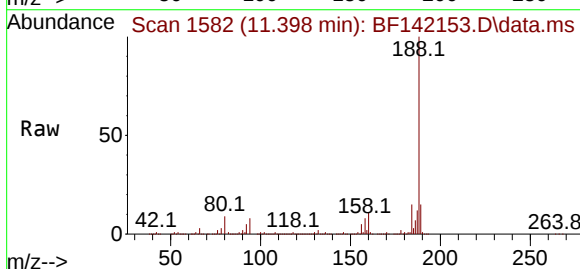
Tgt Ion: 77 Resp: 928825  
Ion Ratio Lower Upper  
77 100  
182 27.8 6.6 46.6  
105 21.8 1.3 41.3  
51 29.0 10.4 50.4

Manual Integrations  
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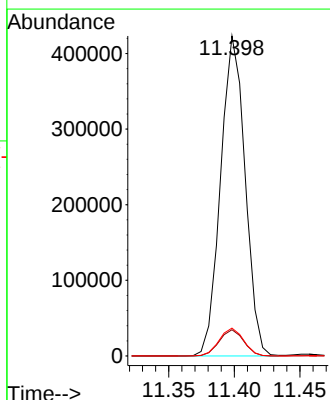
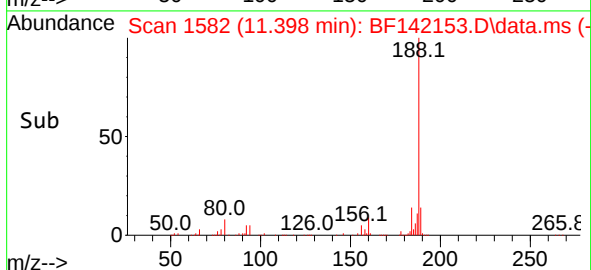
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:188 Resp: 550245  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.8 10.2  
80 8.7 7.6 11.4





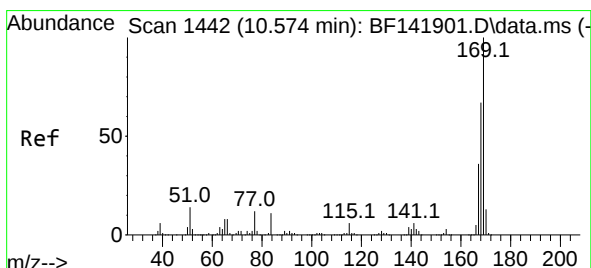
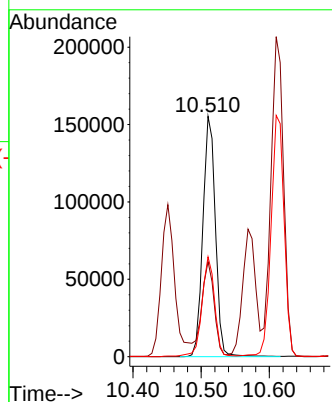
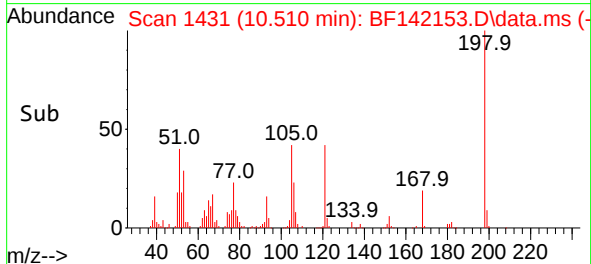
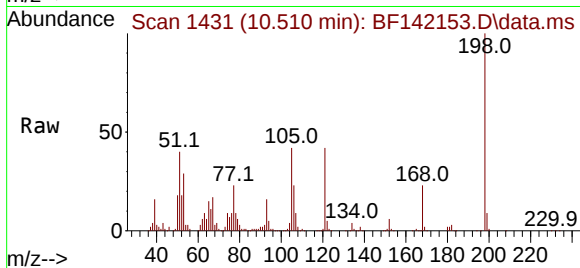
#65  
4,6-Dinitro-2-methylphenol  
Concen: 60.629 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS

Tgt Ion:198 Resp: 198879  
Ion Ratio Lower Upper  
198 100  
51 39.6 22.3 62.3  
105 41.5 23.0 63.0

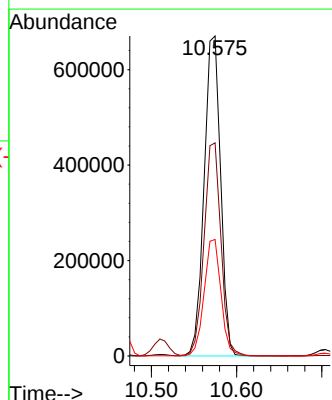
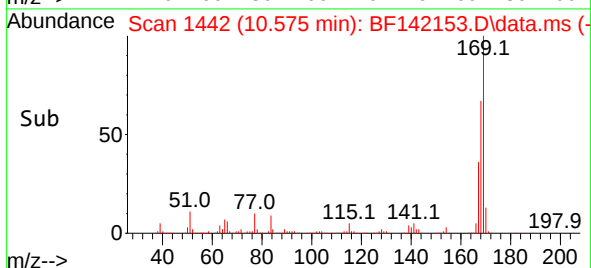
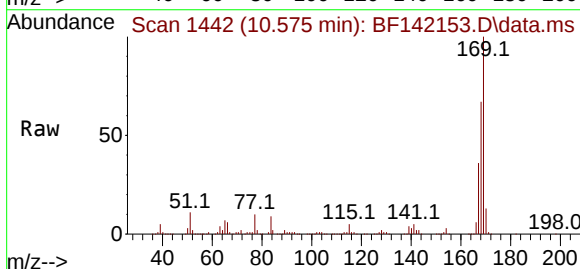
Manual Integrations  
APPROVED

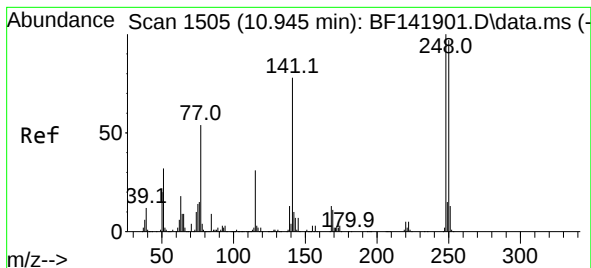
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#66  
n-Nitrosodiphenylamine  
Concen: 50.533 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:169 Resp: 899795  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.7 80.5  
167 36.4 29.2 43.8





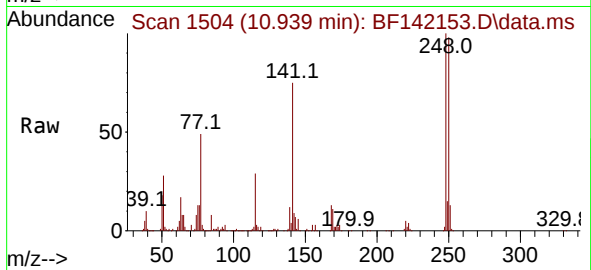
#67  
4-Bromophenyl-phenylether  
Concen: 50.922 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

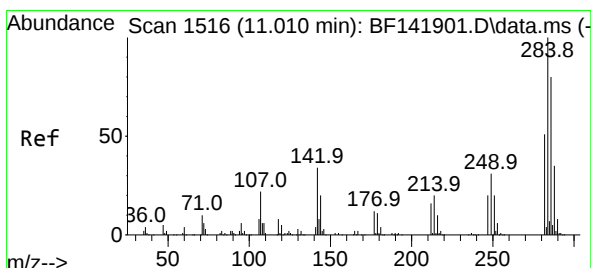
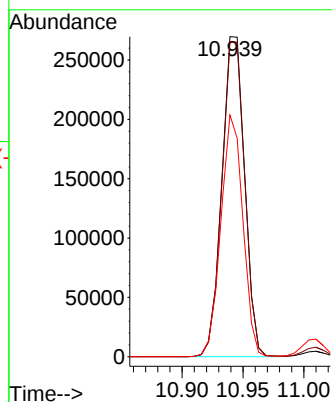
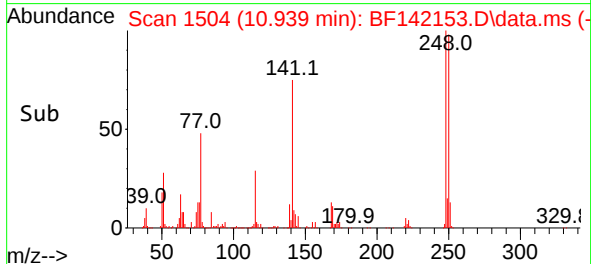


Tgt Ion:248 Resp: 351892  
Ion Ratio Lower Upper  
248 100  
250 98.4 77.8 116.8  
141 75.5 62.6 93.8

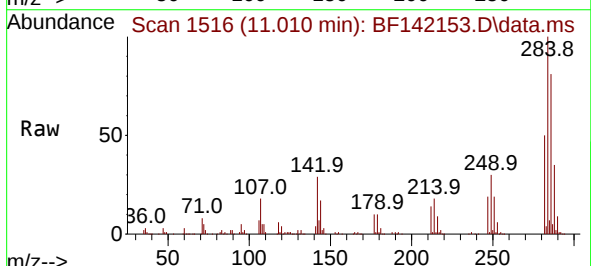
Manual Integrations

APPROVED

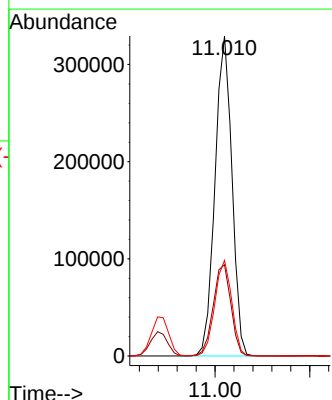
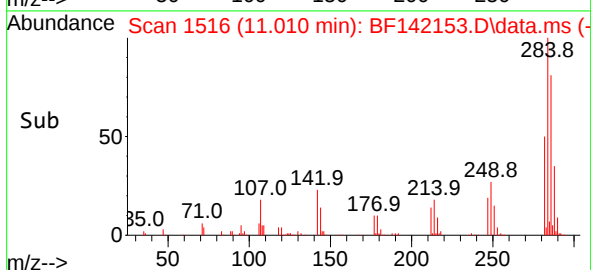
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

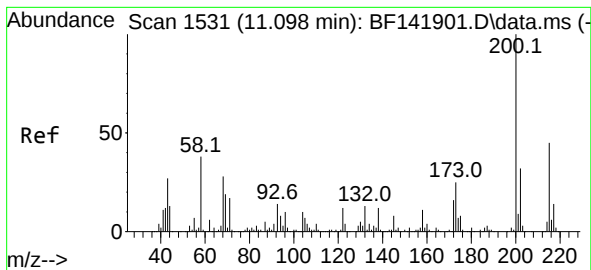


#68  
Hexachlorobenzene  
Concen: 53.978 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



Tgt Ion:284 Resp: 409110  
Ion Ratio Lower Upper  
284 100  
142 28.5 27.0 40.6  
249 29.8 25.2 37.8





#69

Atrazine

Concen: 62.250 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

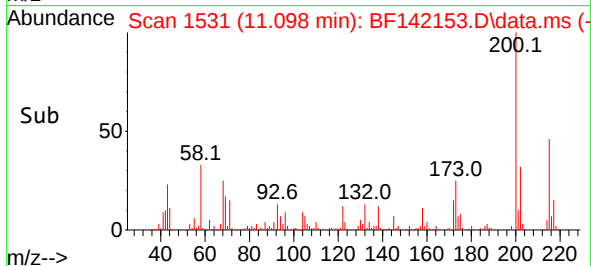
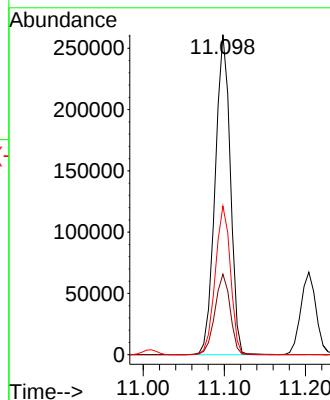
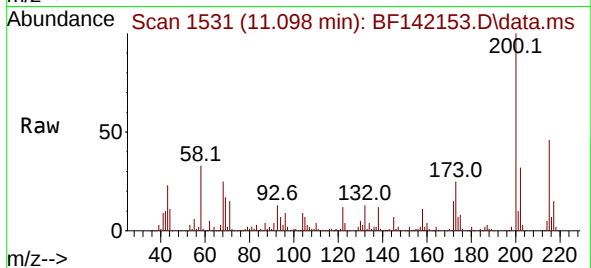
Tgt Ion:200 Resp: 339800  
 Ion Ratio Lower Upper  
 200 100  
 173 25.2 4.7 44.7  
 215 46.5 25.4 65.4

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#70

Pentachlorophenol

Concen: 104.350 ng

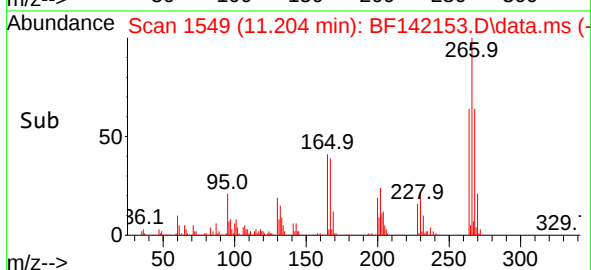
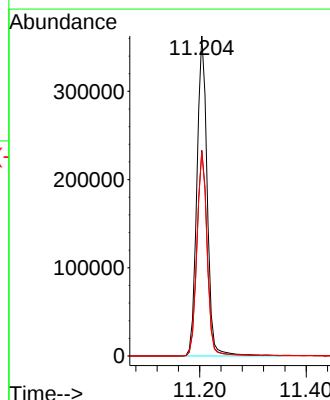
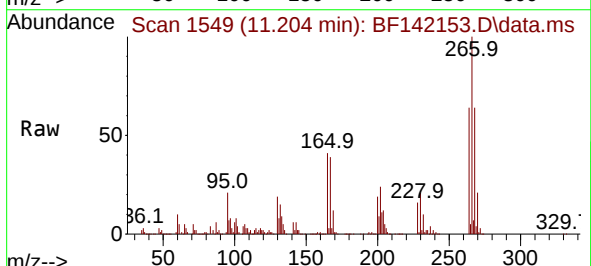
RT: 11.204 min Scan# 1549

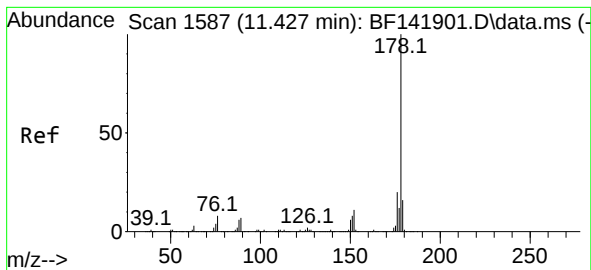
Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

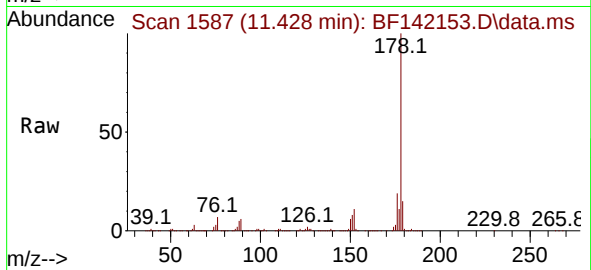
Tgt Ion:266 Resp: 487288  
 Ion Ratio Lower Upper  
 266 100  
 268 64.2 51.0 76.6  
 264 63.9 50.2 75.2





#71  
Phenanthrene  
Concen: 51.268 ng  
RT: 11.428 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

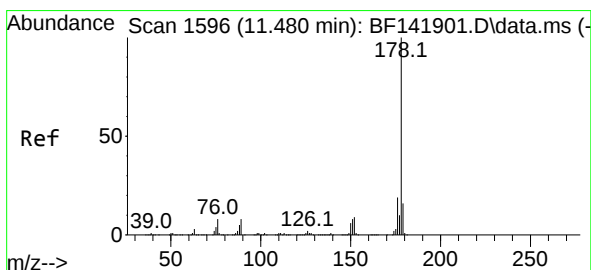
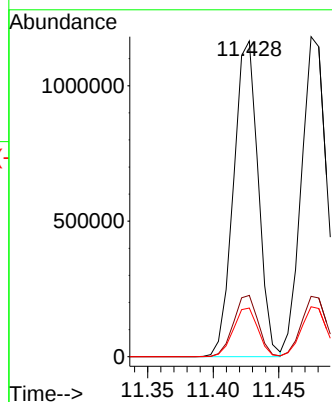
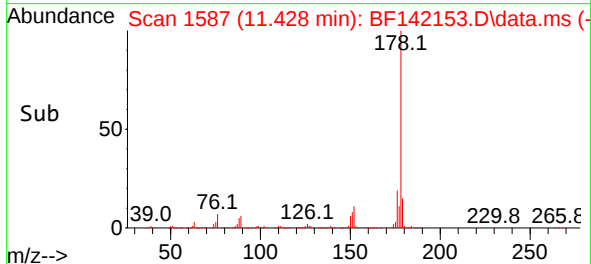
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



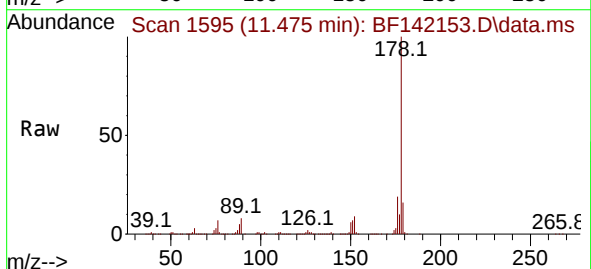
Tgt Ion:178 Resp: 152370  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.8  
179 15.4 12.6 19.0

Manual Integrations  
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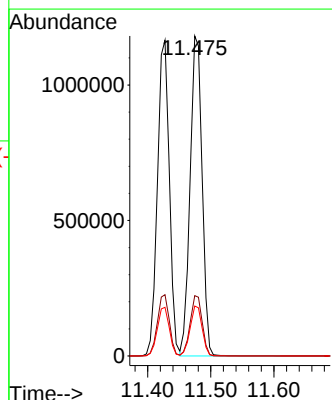
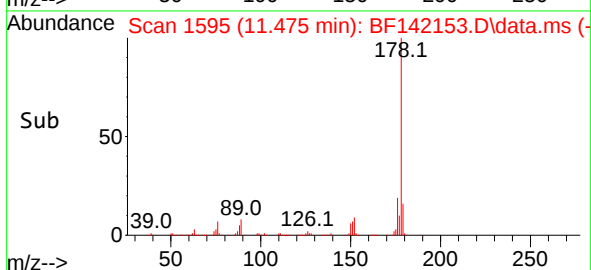
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

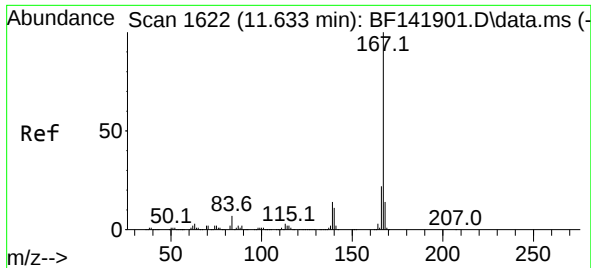


#72  
Anthracene  
Concen: 52.515 ng  
RT: 11.475 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



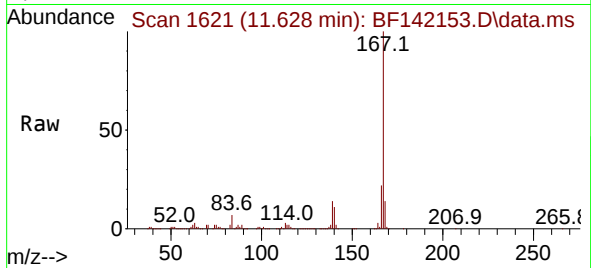
Tgt Ion:178 Resp: 1565850  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.6 12.6 19.0





#73  
 Carbazole  
 Concen: 51.822 ng  
 RT: 11.628 min Scan# 1621  
 Delta R.T. -0.006 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33

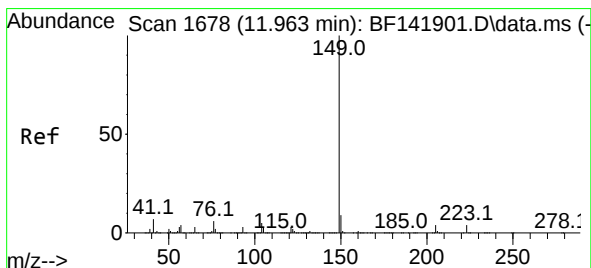
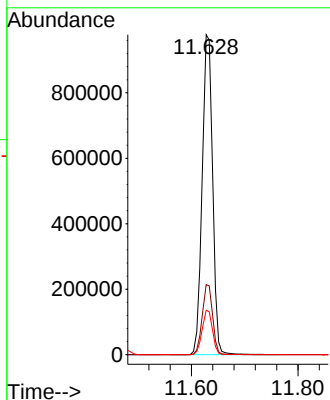
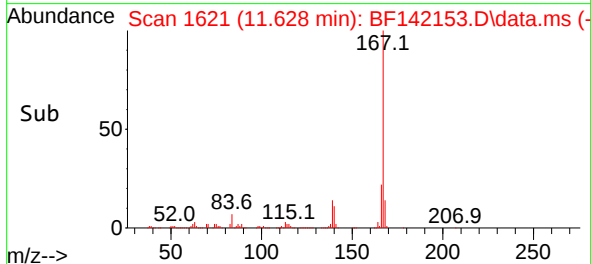
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167359BS



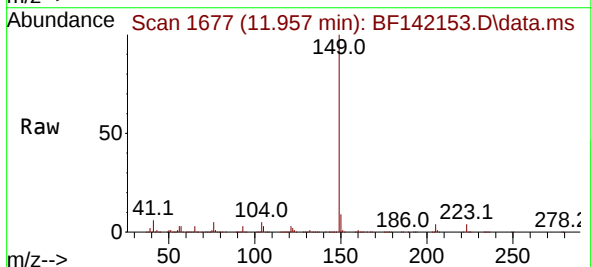
Tgt Ion:167 Resp: 1332600  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.2  
 139 13.9 11.0 16.6

Manual Integrations  
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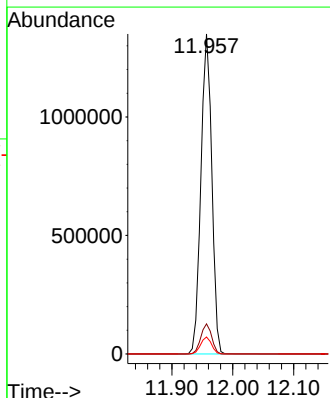
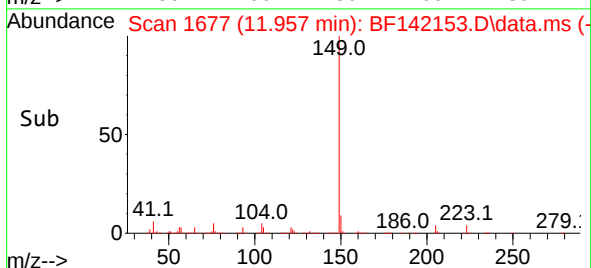
Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025

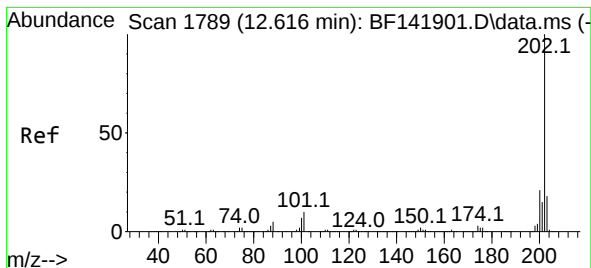


#74  
 Di-n-butylphthalate  
 Concen: 48.966 ng  
 RT: 11.957 min Scan# 1677  
 Delta R.T. -0.006 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33



Tgt Ion:149 Resp: 1670767  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.6 11.4  
 104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 50.754 ng

RT: 12.616 min Scan# 1789

Delta R.T. 0.000 min

Lab File: BF142153.D

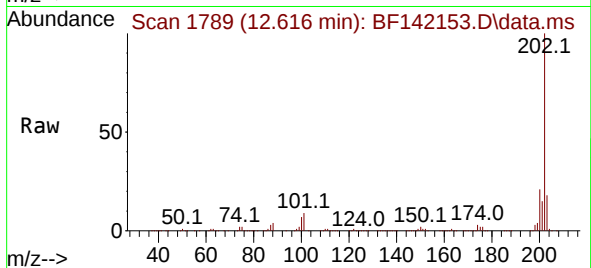
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS



Tgt Ion:202 Resp: 160010

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.7

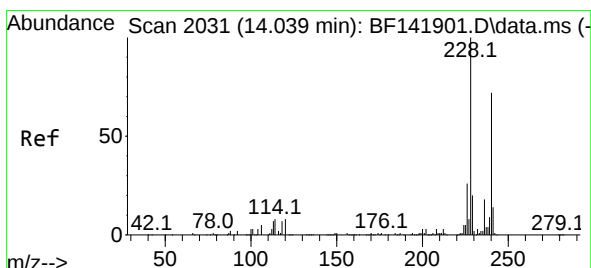
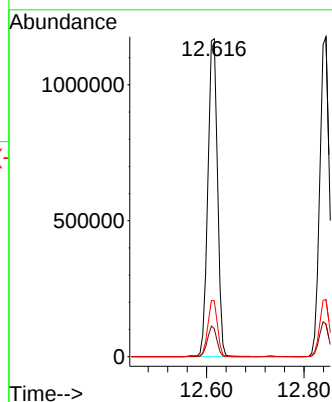
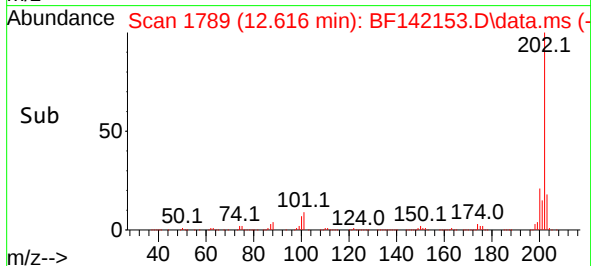
203 17.6 0.0 37.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

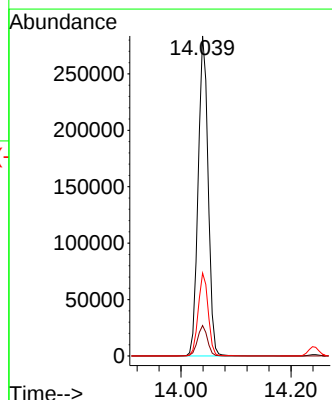
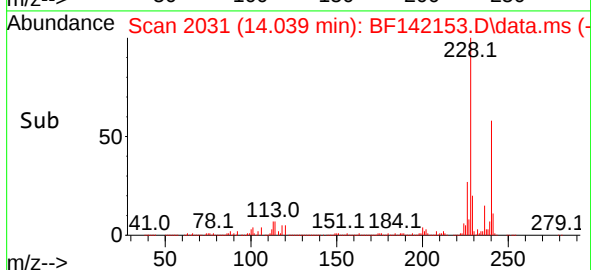
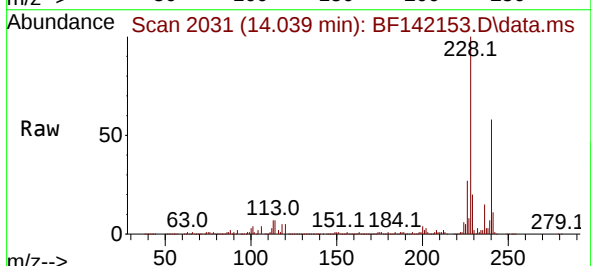
Tgt Ion:240 Resp: 357068

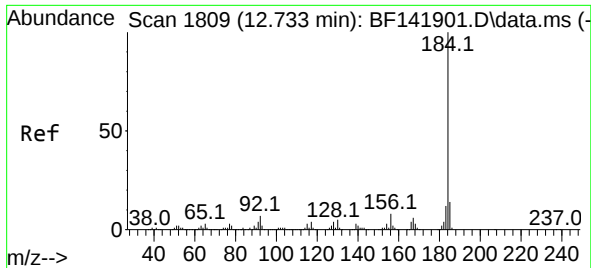
Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

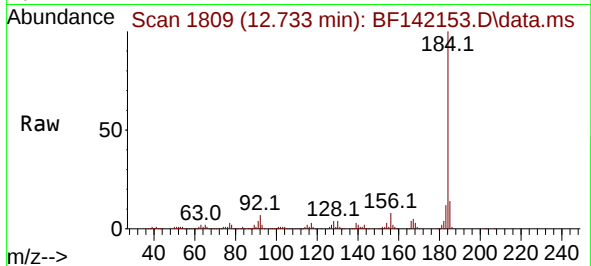
236 25.9 20.5 30.7





#77  
Benzidine  
Concen: 93.552 ng  
RT: 12.733 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

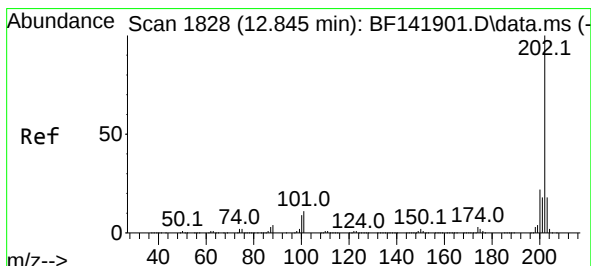
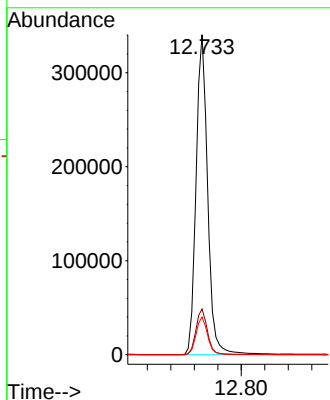
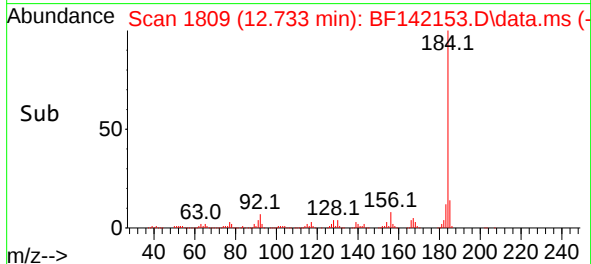
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



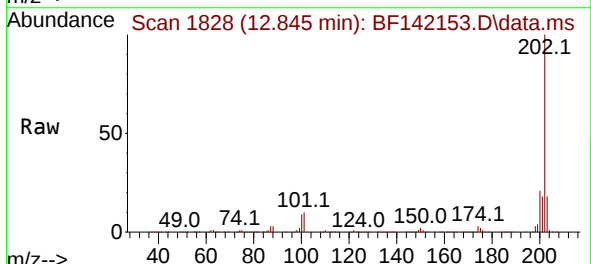
Tgt Ion:184 Resp: 466050  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.5 17.3  
183 11.7 9.7 14.5

Manual Integrations  
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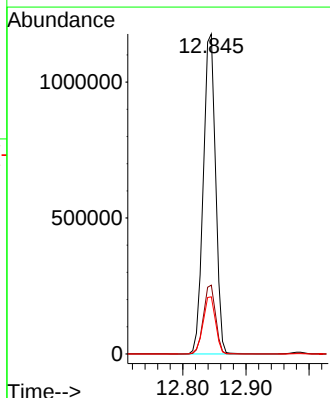
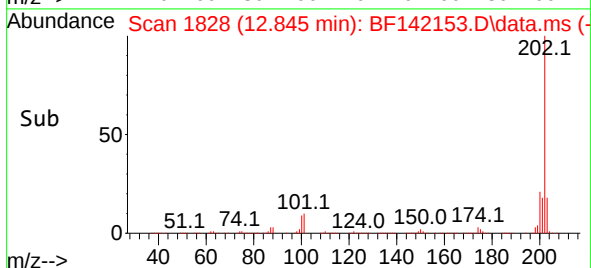
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025

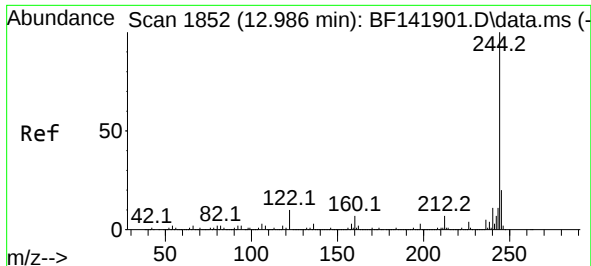


#78  
Pyrene  
Concen: 51.342 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33



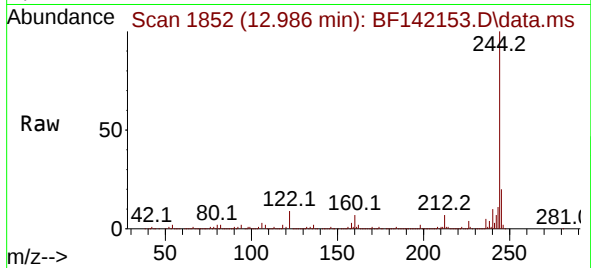
Tgt Ion:202 Resp: 1585780  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.3 25.9  
203 17.9 14.4 21.6





#79  
 Terphenyl-d14  
 Concen: 103.334 ng  
 RT: 12.986 min Scan# 1852  
 Delta R.T. 0.000 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33

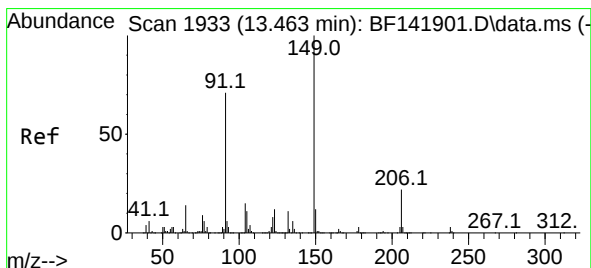
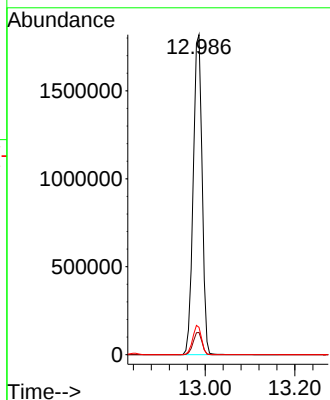
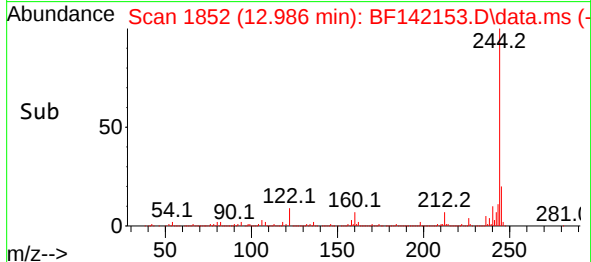
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167359BS



Tgt Ion:244 Resp: 2495658  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 6.0 9.0  
 122 8.5 7.7 11.5

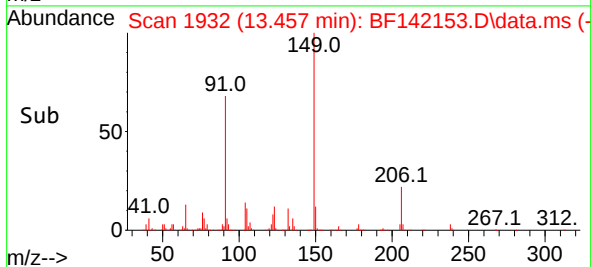
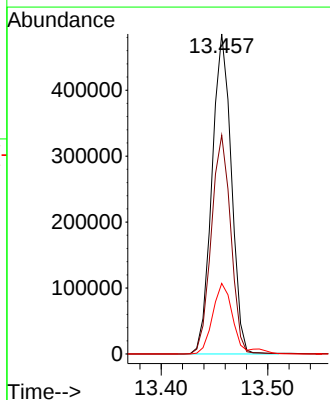
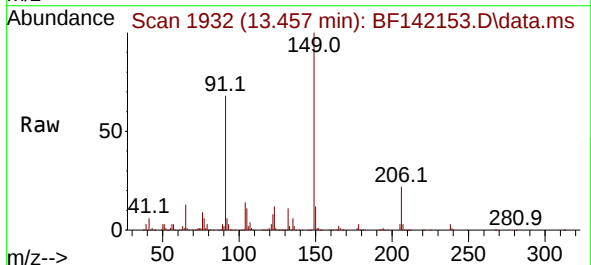
Manual Integrations  
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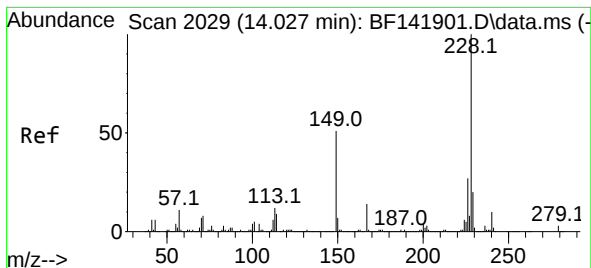
Reviewed By :Anahy Claudio 03/31/2025  
 Supervised By :Jagrut Upadhyay 03/31/2025



#80  
 Butylbenzylphthalate  
 Concen: 50.808 ng  
 RT: 13.457 min Scan# 1932  
 Delta R.T. -0.006 min  
 Lab File: BF142153.D  
 Acq: 28 Mar 2025 11:33

Tgt Ion:149 Resp: 614229  
 Ion Ratio Lower Upper  
 149 100  
 91 68.3 56.5 84.7  
 206 22.1 17.3 25.9





#81

Benzo(a)anthracene

Concen: 54.617 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF142153.D

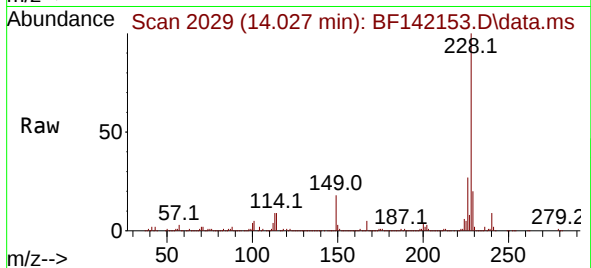
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS



Tgt Ion:228 Resp: 1279730

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

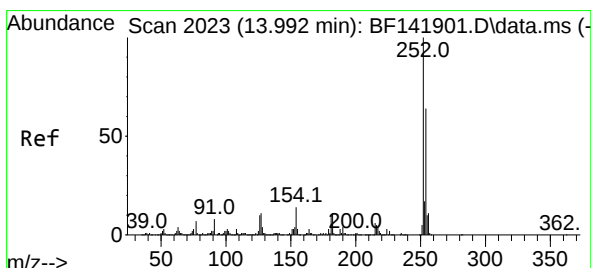
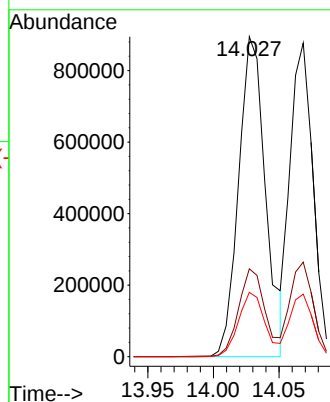
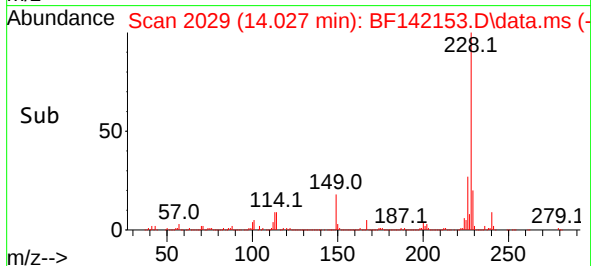
229 20.1 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#82

3,3'-Dichlorobenzidine

Concen: 16.921 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

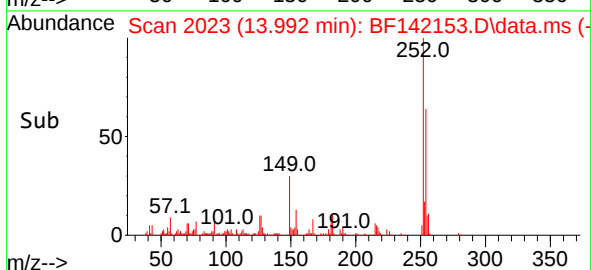
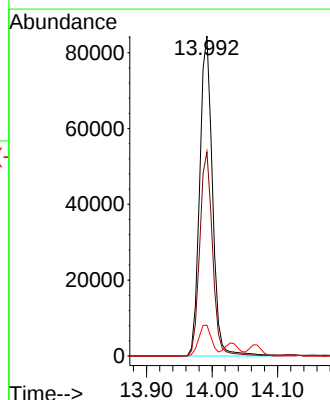
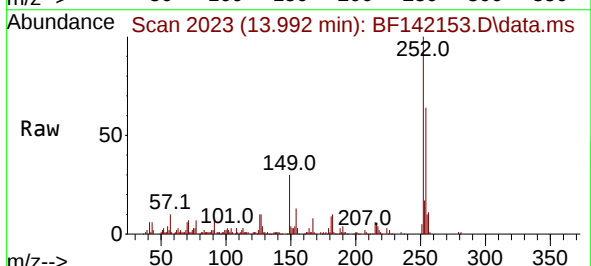
Tgt Ion:252 Resp: 114578

Ion Ratio Lower Upper

252 100

254 63.8 51.0 76.6

126 9.6 8.4 12.6





#83

Chrysene

Concen: 50.224 ng

RT: 14.069 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

Tgt Ion:228 Resp: 1066728

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

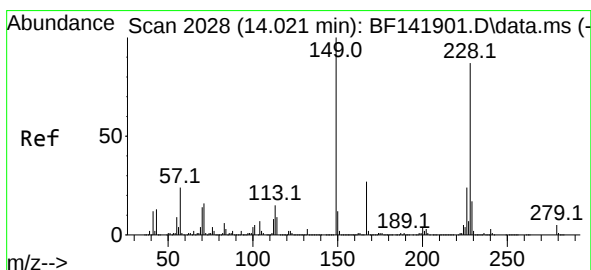
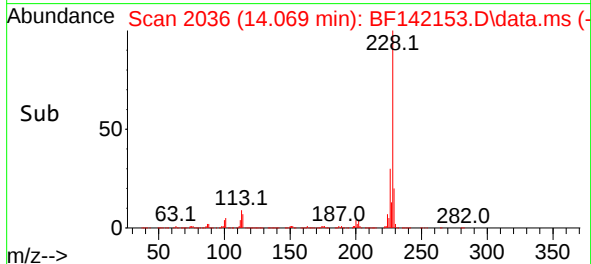
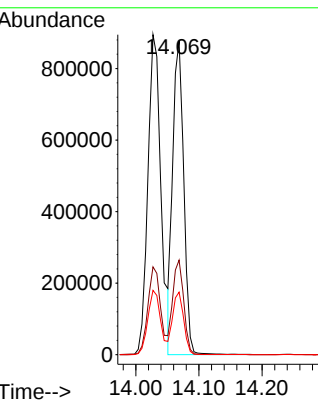
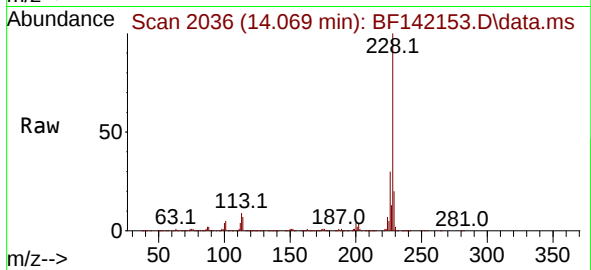
229 19.9 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.313 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

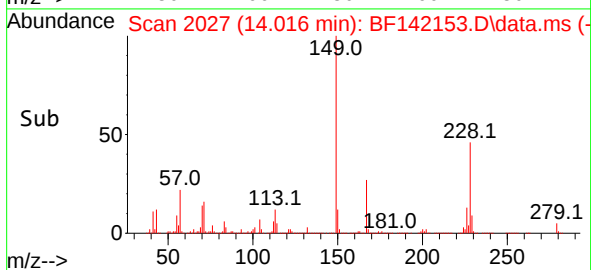
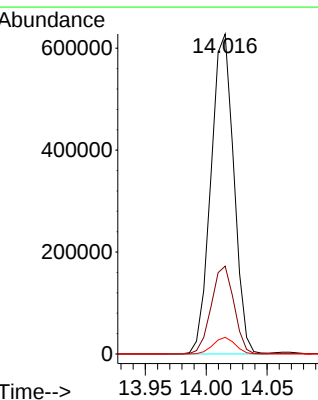
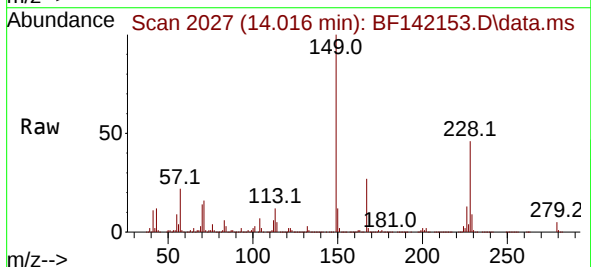
Tgt Ion:149 Resp: 821970

Ion Ratio Lower Upper

149 100

167 27.5 21.4 32.0

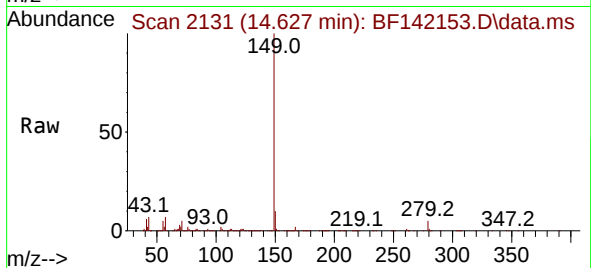
279 5.2 3.8 5.6





#85  
Di-n-octyl phthalate  
Concen: 52.138 ng  
RT: 14.627 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

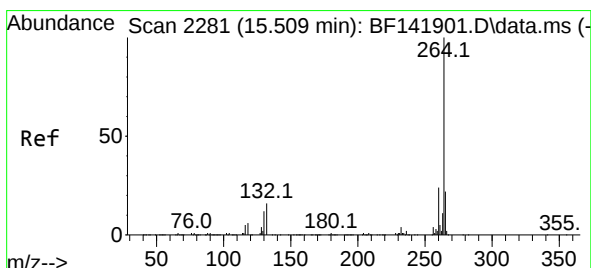
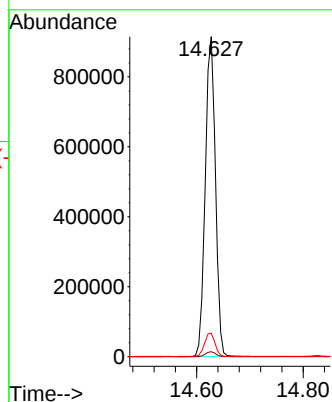
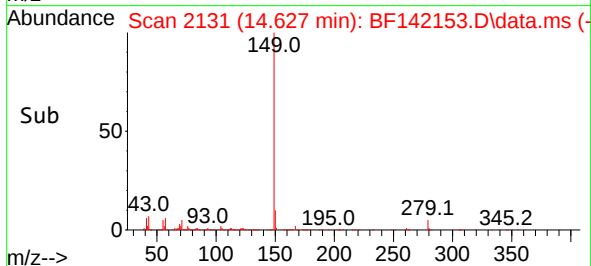
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



Tgt Ion:149 Resp: 1209209  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.6 6.9 10.3

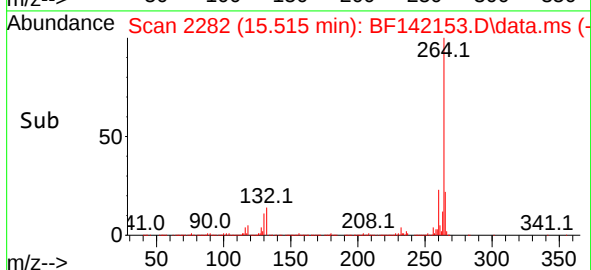
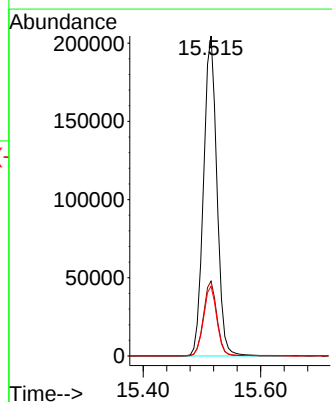
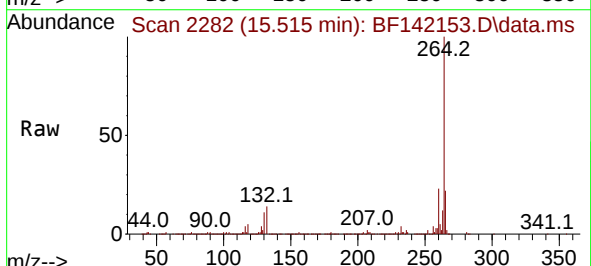
Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.515 min Scan# 2282  
Delta R.T. 0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:264 Resp: 323038  
Ion Ratio Lower Upper  
264 100  
260 23.4 19.1 28.7  
265 21.8 17.5 26.3





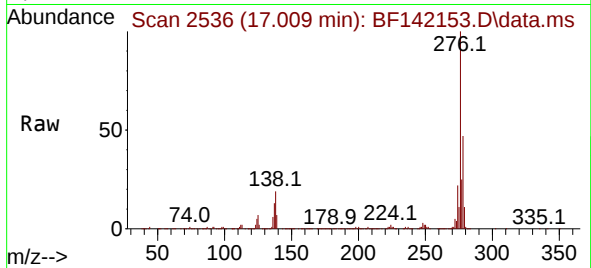
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 50.652 ng  
RT: 17.009 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

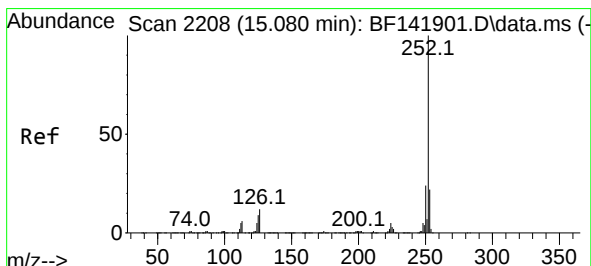
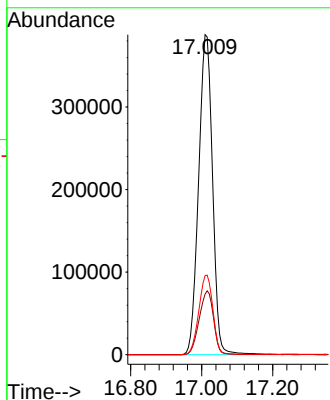
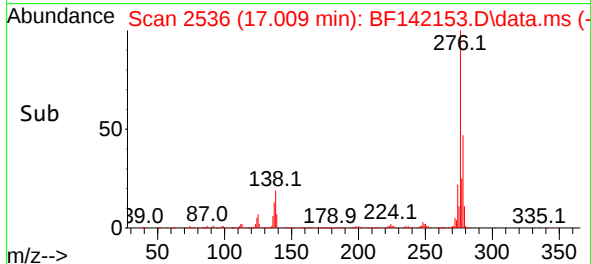


Tgt Ion:276 Resp: 105846  
Ion Ratio Lower Upper  
276 100  
138 20.5 18.4 27.6  
277 25.4 20.3 30.5

Manual Integrations

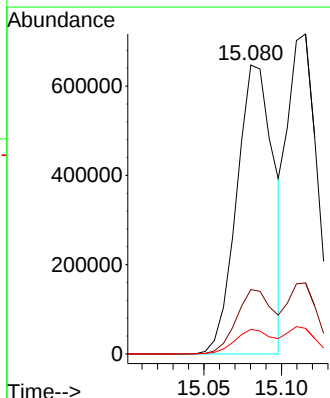
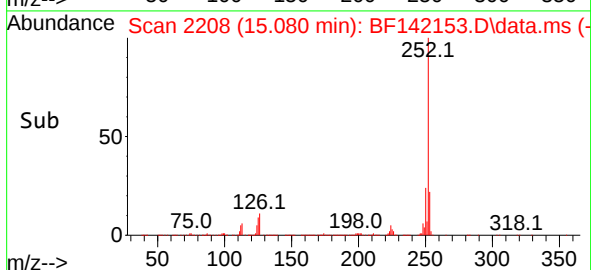
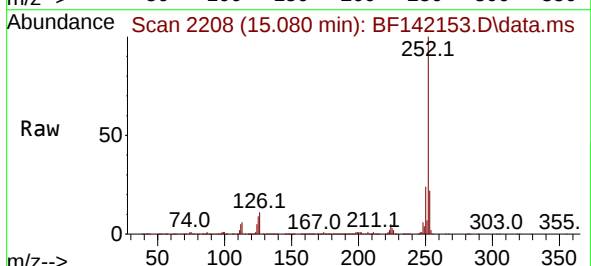
APPROVED

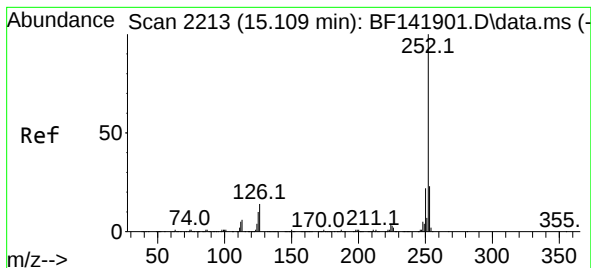
Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#88  
Benzo(b)fluoranthene  
Concen: 48.544 ng  
RT: 15.080 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:252 Resp: 1074740  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 8.5 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 50.697 ng

RT: 15.116 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

Instrument :

BNA\_F

ClientSampleId :

PB167359BS

Tgt Ion:252 Resp: 96053

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

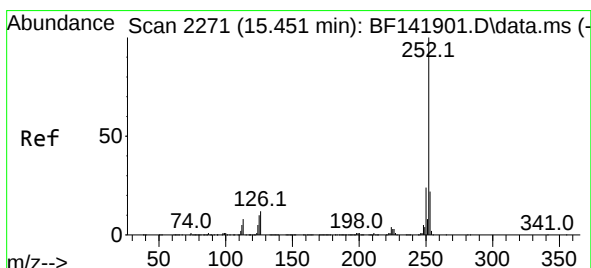
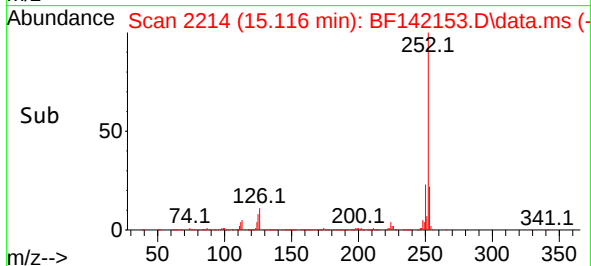
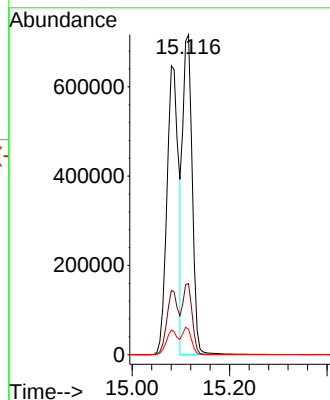
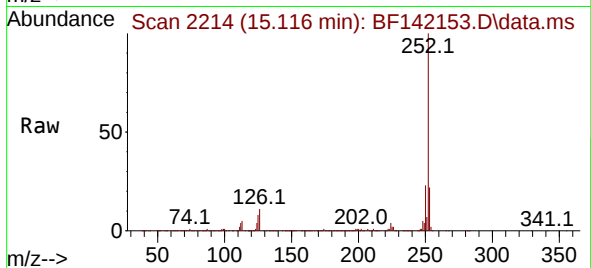
125 8.0 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#90

Benzo(a)pyrene

Concen: 55.585 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF142153.D

Acq: 28 Mar 2025 11:33

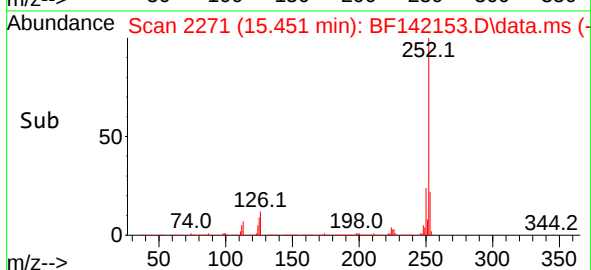
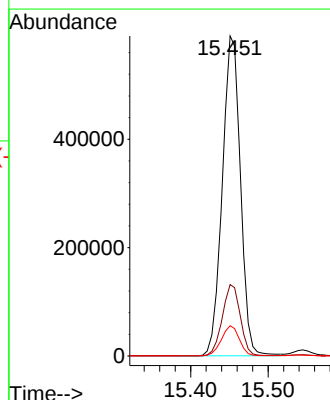
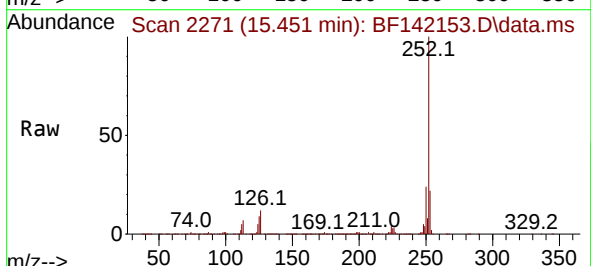
Tgt Ion:252 Resp: 962928

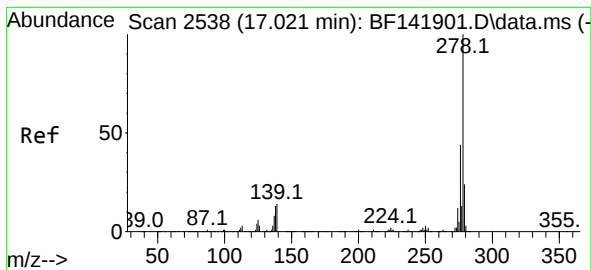
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

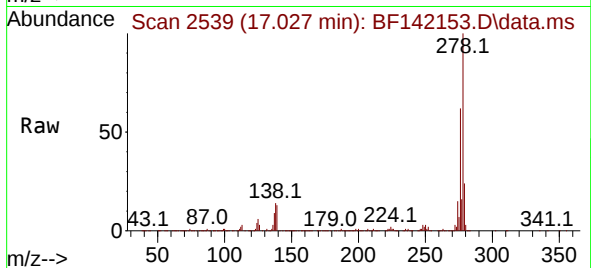
125 9.5 7.8 11.8





#91  
Dibenzo(a,h)anthracene  
Concen: 49.781 ng  
RT: 17.027 min Scan# 2538  
Delta R.T. 0.006 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

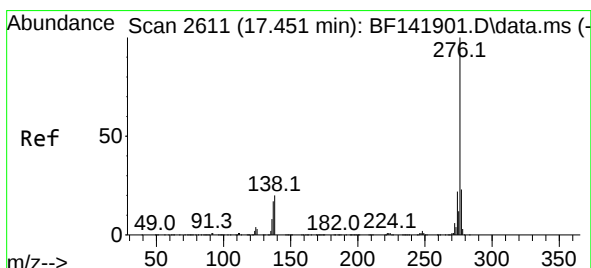
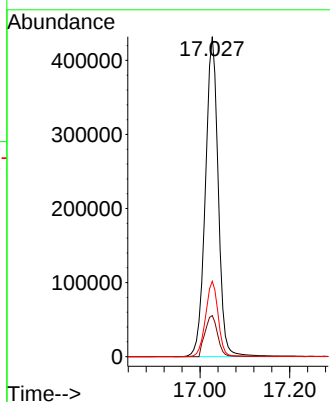
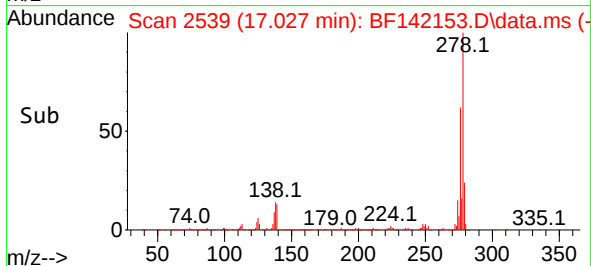
Instrument :  
BNA\_F  
ClientSampleId :  
PB167359BS



Tgt Ion:278 Resp: 858300  
Ion Ratio Lower Upper  
278 100  
139 12.8 11.4 17.2  
279 23.5 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/31/2025  
Supervised By :Jagrut Upadhyay 03/31/2025



#92  
Benzo(g,h,i)perylene  
Concen: 50.491 ng  
RT: 17.462 min Scan# 2613  
Delta R.T. 0.012 min  
Lab File: BF142153.D  
Acq: 28 Mar 2025 11:33

Tgt Ion:276 Resp: 860263  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.7 28.1  
138 18.3 15.8 23.8

