

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030425\  
 Data File : BF141826.D  
 Acq On : 04 Mar 2025 14:44  
 Operator : RC/JU  
 Sample : PB166957BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS

Manual Integrations  
 APPROVED

Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025

Quant Time: Mar 04 15:06:47 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 309118   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1216990  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 647778   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 1070678  | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 723159   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 587091   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 2428234  | 125.449 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.510  | 99   | 3110955  | 123.480 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1985045  | 104.261 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 891755   | 146.635 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 3638167  | 90.056  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 3981121  | 89.069  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.810  | 88   | 343919   | 39.158  | ng    | 99       |
| 3) Pyridine                   | 3.563  | 79   | 850208   | 38.906  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.504  | 42   | 451717   | 42.961  | ng    | 94       |
| 6) Aniline                    | 6.551  | 93   | 867546   | 33.122  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.669  | 128  | 900005   | 42.982  | ng    | 98       |
| 9) Benzaldehyde               | 6.434  | 77   | 363128   | 24.779  | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 1102271  | 40.943  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 848479   | 41.346  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 927514   | 41.363  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 940287   | 41.616  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 908206   | 43.046  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 806132   | 40.036  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 1285320  | 41.242  | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 738248   | 42.714  | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 351592   | 41.576  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 648751   | 39.172  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 897325   | 41.694  | ng    | # 82     |
| 22) Acetophenone              | 7.292  | 105  | 1326666  | 44.759  | ng    | 97       |
| 24) Nitrobenzene              | 7.469  | 77   | 938224   | 46.018  | ng    | 100      |
| 25) Isophorone                | 7.704  | 82   | 1752788  | 42.852  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 410123   | 45.311  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 785686   | 52.255  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 1057325  | 40.523  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 740307   | 42.679  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 793857   | 41.766  | ng    | 99       |
| 31) Naphthalene               | 8.186  | 128  | 2527358  | 40.407  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 600862   | 47.899  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.233  | 127  | 345693   | 15.073  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 491553   | 41.617  | ng    | 98       |
| 35) Caprolactam               | 8.604  | 113  | 261127m  | 48.936  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 794276   | 41.221  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1606734  | 39.163  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.980  | 142  | 1574965  | 40.008  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 853302   | 45.610  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.033  | 237  | 1098585  | 140.707 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 538491   | 44.559  | ng    | 100      |

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Manual Integrations  
 APPROVED

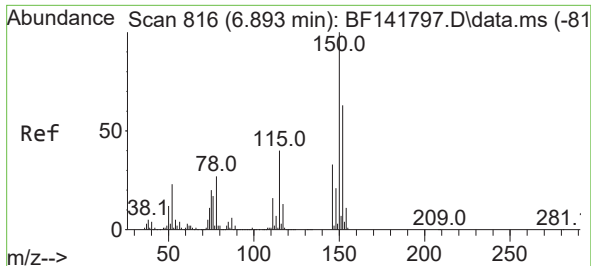
Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025

Quant Time: Mar 04 15:06:47 2025  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 545918   | 45.619  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 2247408  | 45.581  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 1567251  | 43.066  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 478794   | 48.059  | ng    | 99       |
| 49) Acenaphthylene            | 9.786  | 152  | 2419425  | 44.342  | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 1793109  | 41.335  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 381103   | 46.046  | ng    | 95       |
| 52) Acenaphthene              | 9.957  | 154  | 1709248  | 46.426  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 240809   | 28.525  | ng    | # 97     |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 397720   | 97.096  | ng    | # 1      |
| 55) Dibenzofuran              | 10.127 | 168  | 2159728  | 40.304  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.028 | 139  | 728478   | 113.699 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 516243   | 50.715  | ng    | 98       |
| 58) Fluorene                  | 10.469 | 166  | 1673154  | 41.684  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 453528   | 43.576  | ng    | 99       |
| 60) Diethylphthalate          | 10.345 | 149  | 1736070  | 39.920  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 820428   | 40.795  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 402567   | 54.340  | ng    | 96       |
| 63) Azobenzene                | 10.622 | 77   | 1798212  | 39.271  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 251389   | 49.545  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 1482764  | 42.175  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 520971   | 41.658  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 562016   | 42.558  | ng    | 99       |
| 69) Atrazine                  | 11.104 | 200  | 560941   | 58.020  | ng    | 98       |
| 70) Pentachlorophenol         | 11.210 | 266  | 730696   | 87.240  | ng    | 100      |
| 71) Phenanthrene              | 11.433 | 178  | 2435929  | 42.534  | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 2486891  | 43.327  | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 2212995  | 43.660  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 2543275  | 39.584  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 2525462  | 43.036  | ng    | 99       |
| 77) Benzidine                 | 12.733 | 184  | 831114   | 91.311  | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 2573723  | 41.100  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 1003521  | 44.108  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 1997580  | 41.820  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 372226   | 27.161  | ng    | 100      |
| 83) Chrysene                  | 14.068 | 228  | 1825435  | 41.457  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 1263650  | 44.606  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1842435  | 43.441  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.004 | 276  | 1654234  | 44.250  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1687386  | 42.194  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 1380109  | 40.603  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 1432461  | 44.664  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 1316988  | 43.159  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.451 | 276  | 1291482  | 41.312  | ng    | 99       |

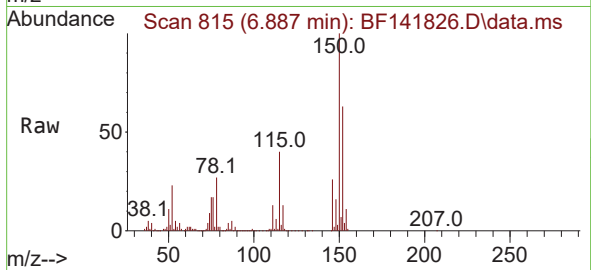
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

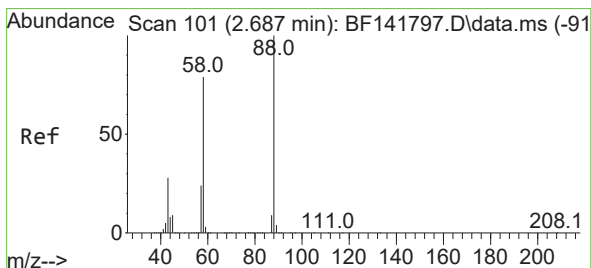
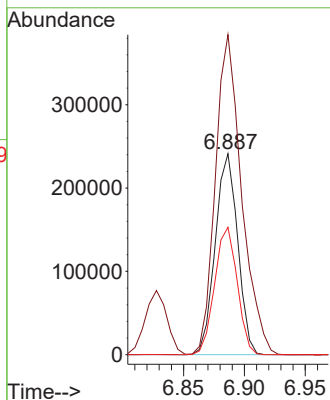
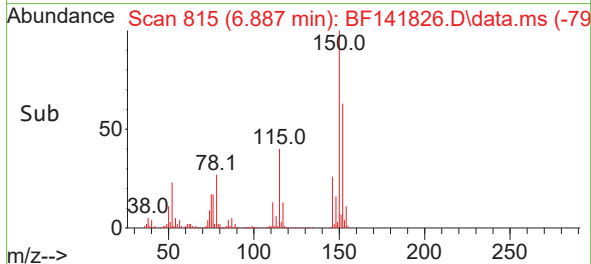
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS



Tgt Ion:152 Resp: 309118  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 127.5 191.3  
 115 63.4 51.4 77.2

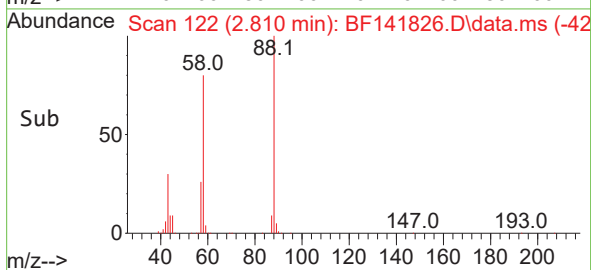
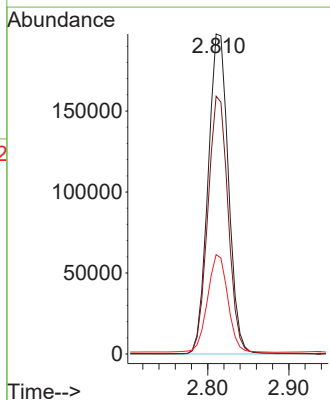
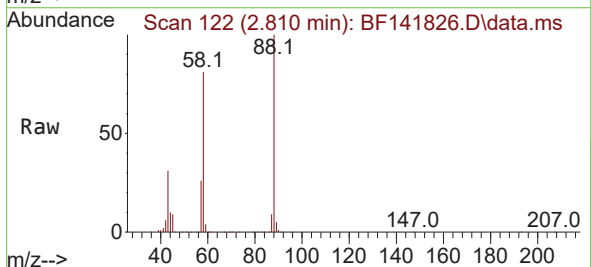
Manual Integrations  
 APPROVED

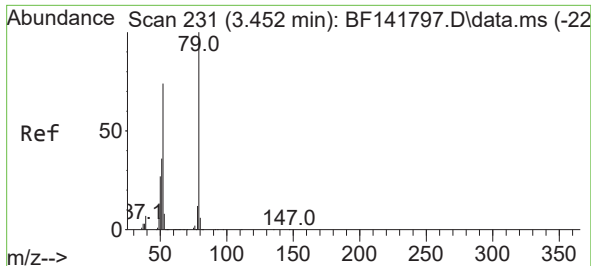
Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025



#2  
 1,4-Dioxane  
 Concen: 39.158 ng  
 RT: 2.810 min Scan# 122  
 Delta R.T. 0.123 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

Tgt Ion: 88 Resp: 343919  
 Ion Ratio Lower Upper  
 88 100  
 58 80.1 63.9 95.9  
 43 30.3 23.0 34.6





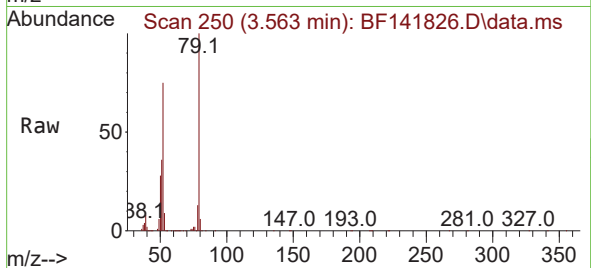
#3  
Pyridine  
Concen: 38.906 ng  
RT: 3.563 min Scan# 21  
Delta R.T. 0.112 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

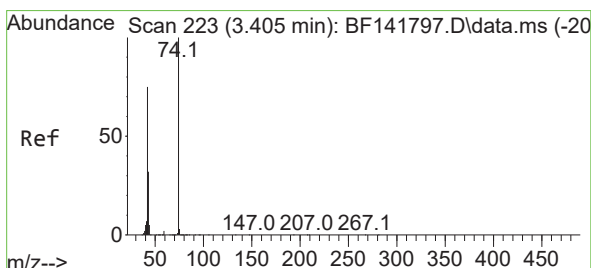
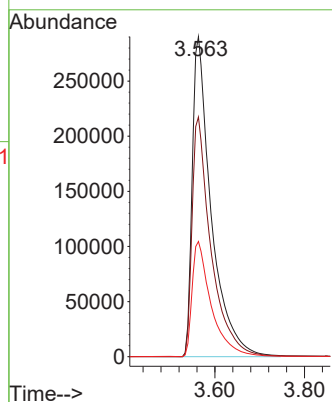
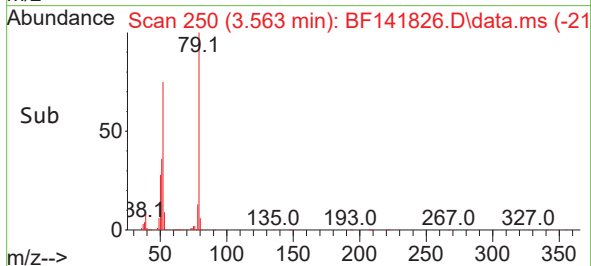


Tgt Ion: 79 Resp: 850208  
Ion Ratio Lower Upper  
79 100  
52 74.9 59.0 88.4  
51 36.0 29.0 43.4

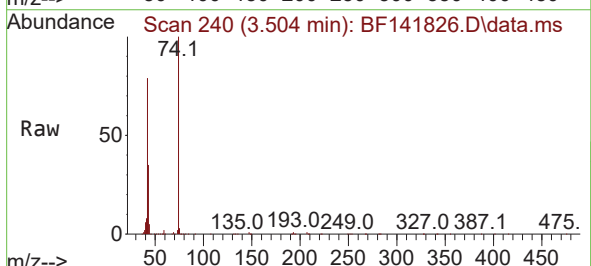
Manual Integrations

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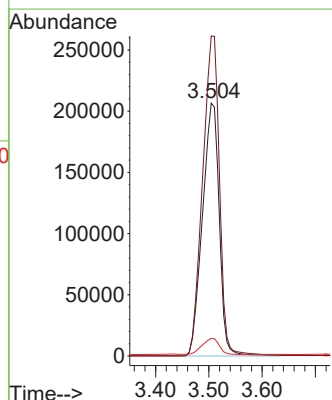
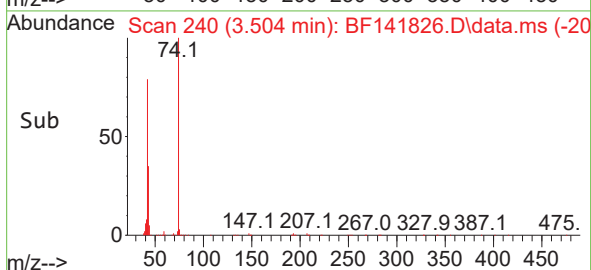
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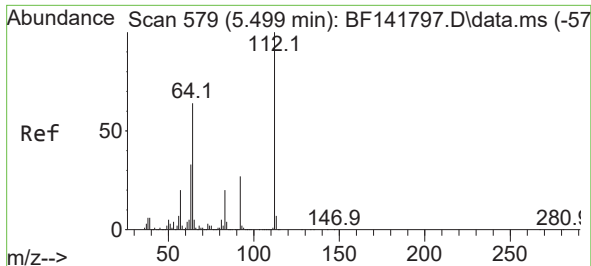


#4  
n-Nitrosodimethylamine  
Concen: 42.961 ng  
RT: 3.504 min Scan# 240  
Delta R.T. 0.100 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



Tgt Ion: 42 Resp: 451717  
Ion Ratio Lower Upper  
42 100  
74 126.6 107.1 160.7  
44 6.9 6.6 9.8





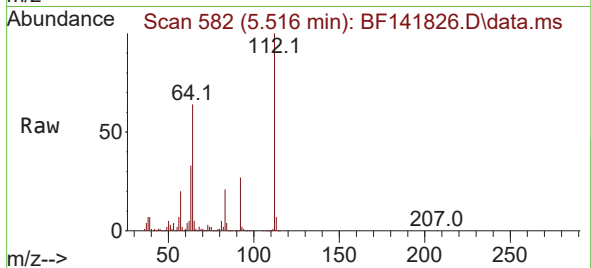
#5  
2-Fluorophenol  
Concen: 125.449 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.017 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

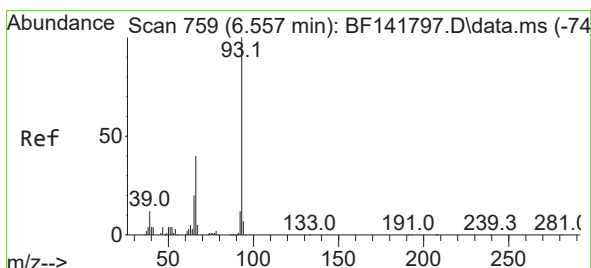
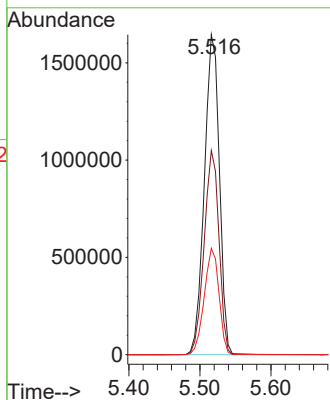
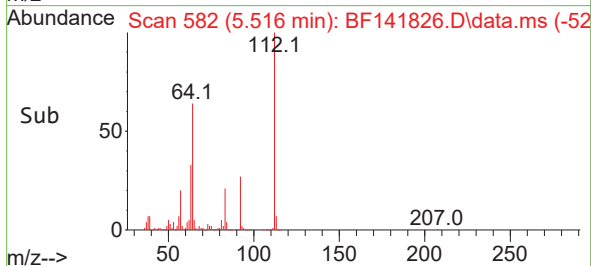
PB166957BS



Tgt Ion:112 Resp: 2428234  
Ion Ratio Lower Upper  
112 100  
64 63.8 51.3 76.9  
63 33.3 26.2 39.4

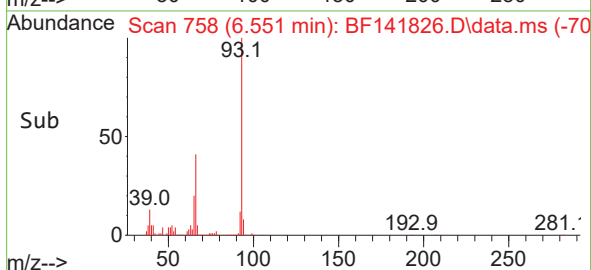
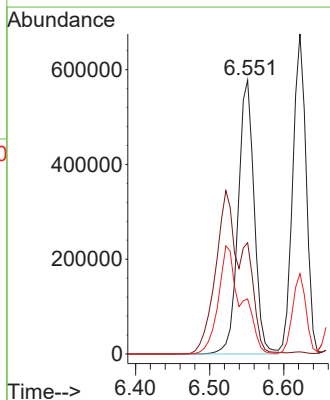
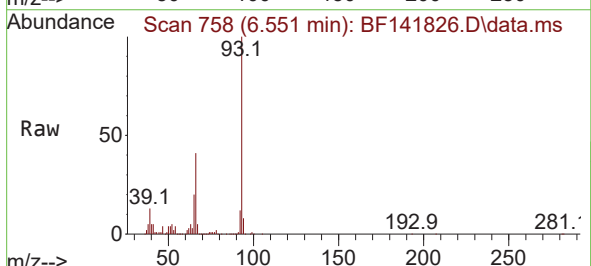
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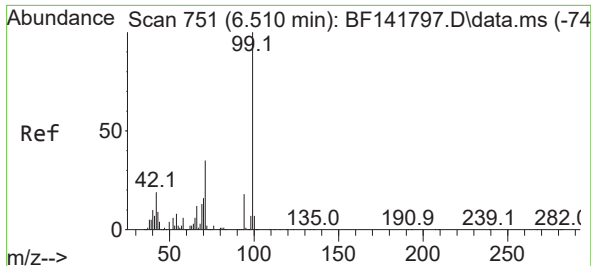
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#6  
Aniline  
Concen: 33.122 ng  
RT: 6.551 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

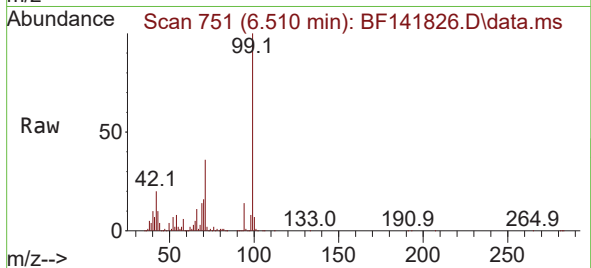
Tgt Ion: 93 Resp: 867546  
Ion Ratio Lower Upper  
93 100  
66 40.6 32.3 48.5  
65 20.1 15.9 23.9





#7  
Phenol-d6  
Concen: 123.480 ng  
RT: 6.510 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

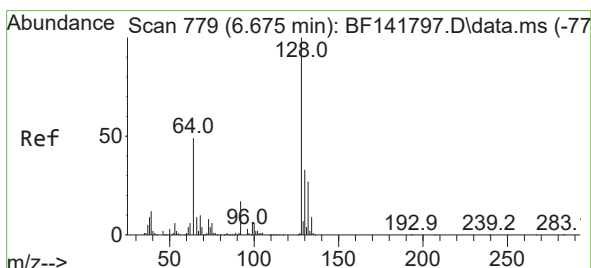
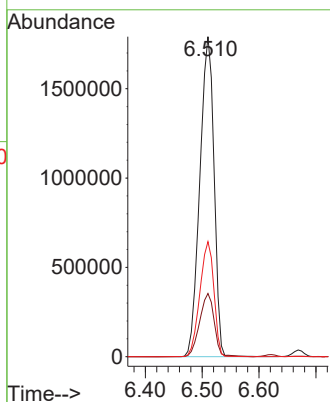
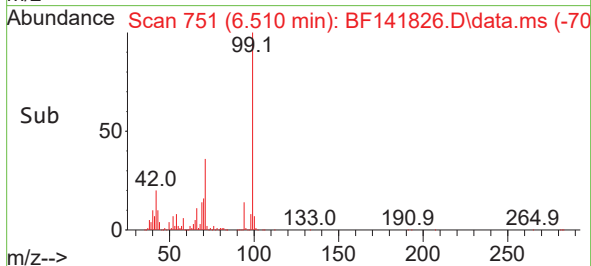
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 311095  
Ion Ratio Lower Upper  
99 100  
42 19.8 15.2 22.8  
71 36.0 28.2 42.2

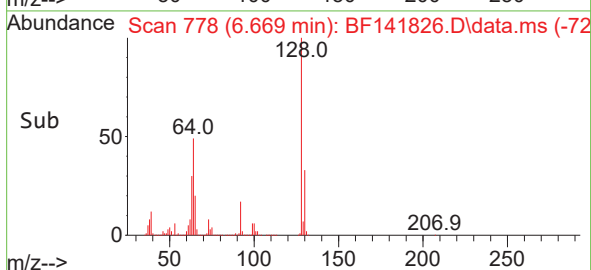
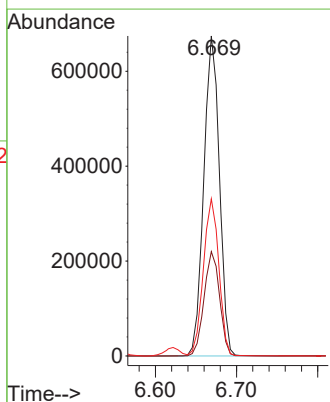
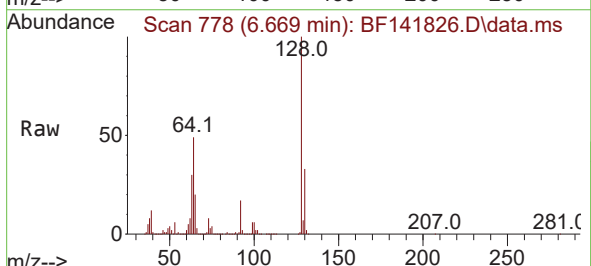
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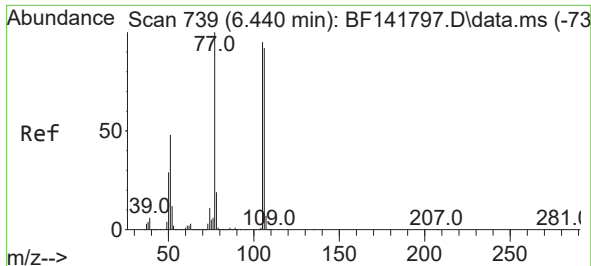
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#8  
2-Chlorophenol  
Concen: 42.982 ng  
RT: 6.669 min Scan# 778  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

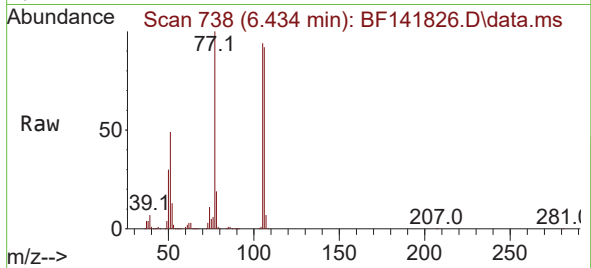
Tgt Ion:128 Resp: 900005  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.6 52.6  
64 49.1 31.1 71.1





#9  
Benzaldehyde  
Concen: 24.779 ng  
RT: 6.434 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

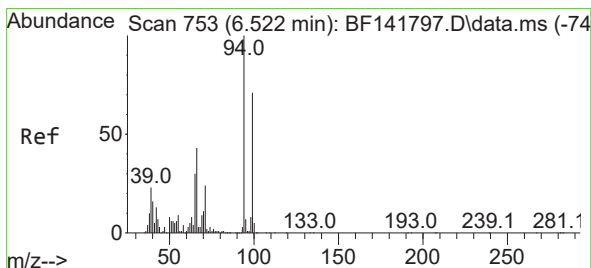
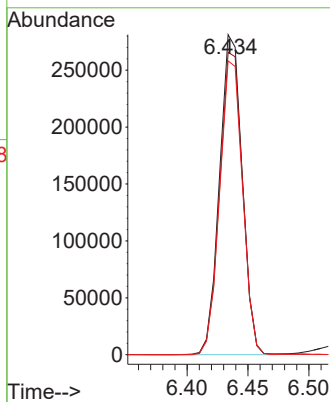
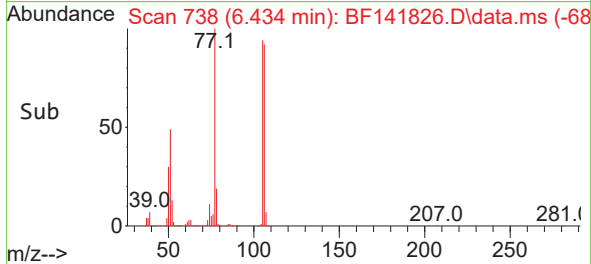
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion: 77 Resp: 363128  
Ion Ratio Lower Upper  
77 100  
105 94.5 75.3 115.3  
106 91.8 72.3 112.3

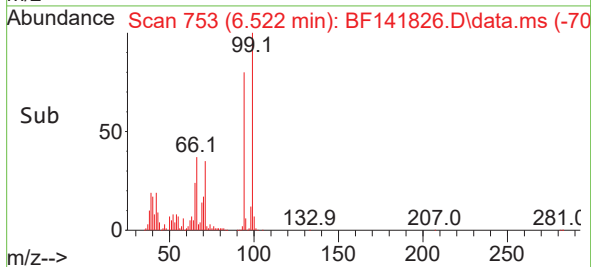
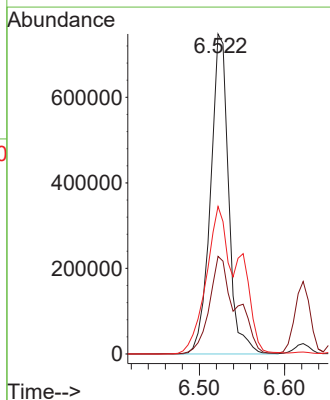
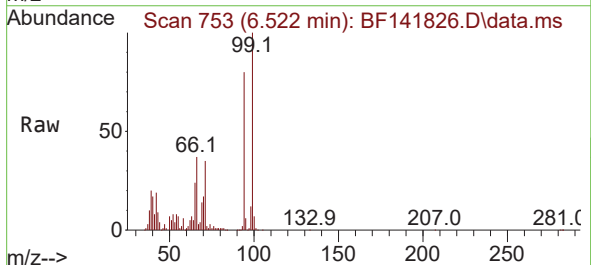
Manual Integrations  
APPROVED

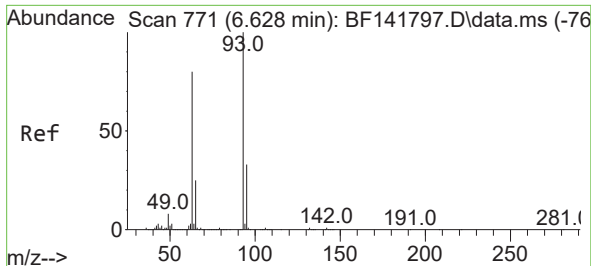
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#10  
Phenol  
Concen: 40.943 ng  
RT: 6.522 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

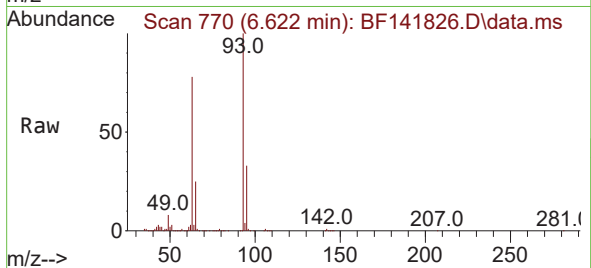
Tgt Ion: 94 Resp: 1102271  
Ion Ratio Lower Upper  
94 100  
65 30.5 10.2 50.2  
66 46.1 23.2 63.2





#11  
bis(2-Chloroethyl)ether  
Concen: 41.346 ng  
RT: 6.622 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

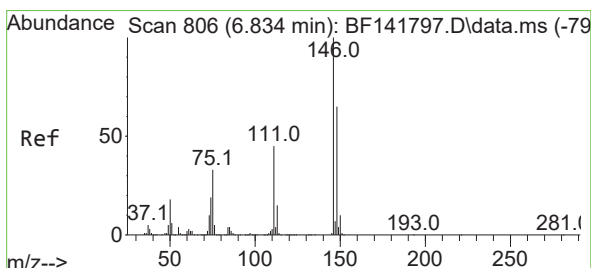
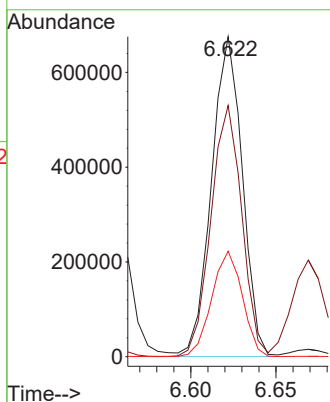
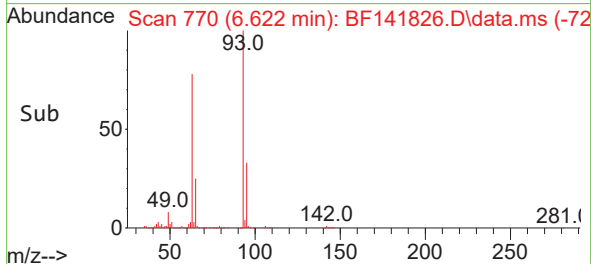
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



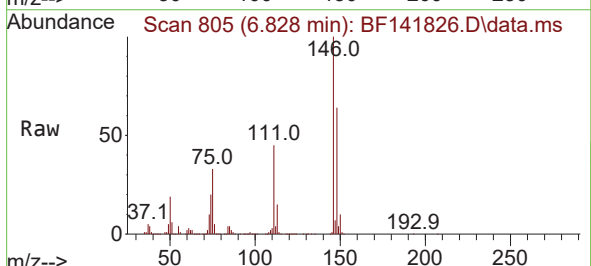
Tgt Ion: 93 Resp: 848479  
Ion Ratio Lower Upper  
93 100  
63 78.5 59.3 99.3  
95 33.0 13.2 53.2

Manual Integrations  
APPROVED

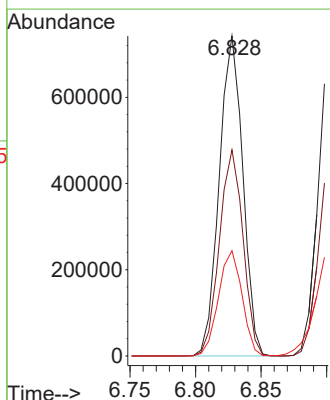
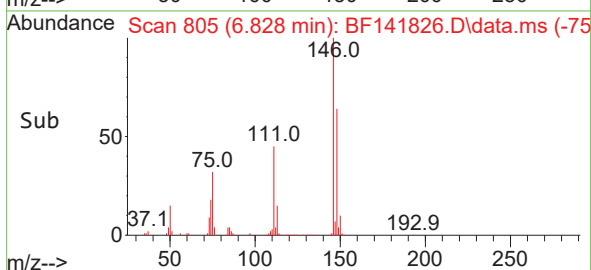
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

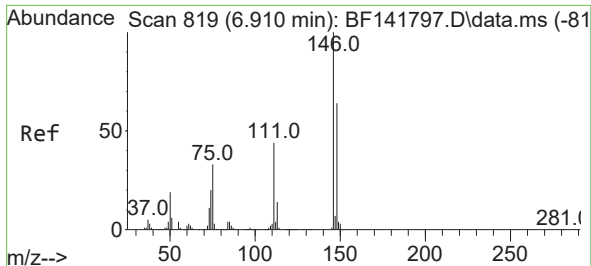


#12  
1,3-Dichlorobenzene  
Concen: 41.363 ng  
RT: 6.828 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



Tgt Ion:146 Resp: 927514  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.8 77.6  
75 32.9 26.2 39.4





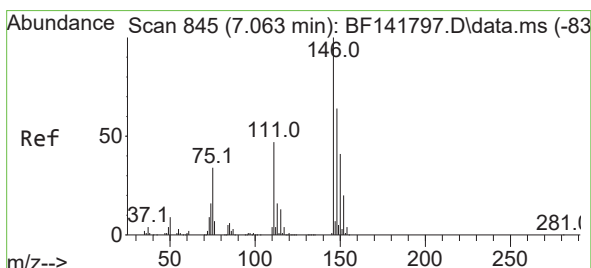
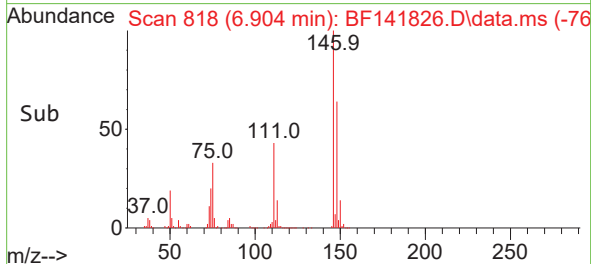
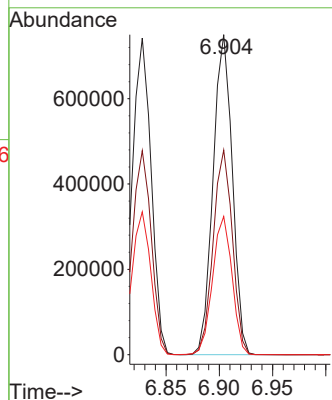
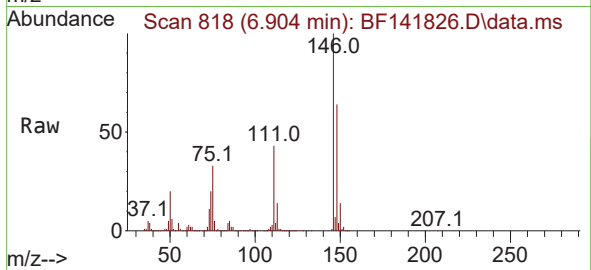
#13  
1,4-Dichlorobenzene  
Concen: 41.616 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:146 Resp: 94028  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.4 77.2  
111 43.2 35.5 53.3

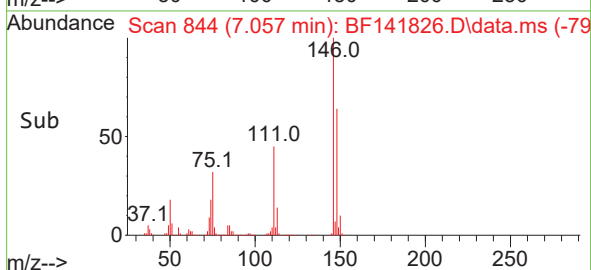
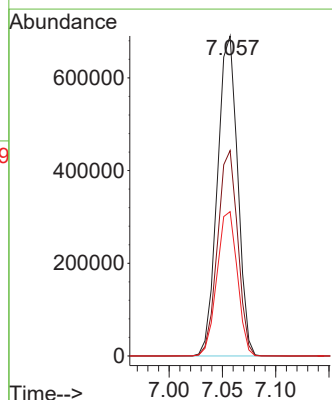
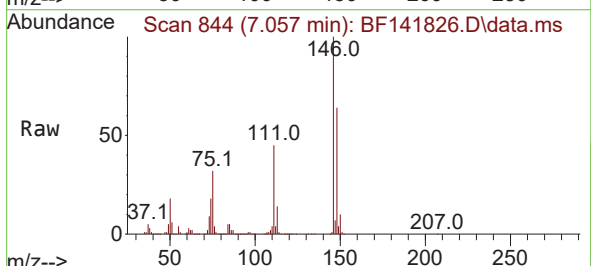
Manual Integrations  
APPROVED

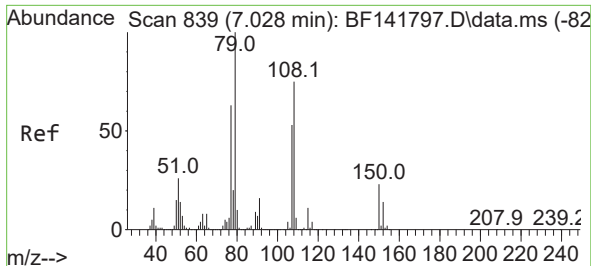
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#14  
1,2-Dichlorobenzene  
Concen: 43.046 ng  
RT: 7.057 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

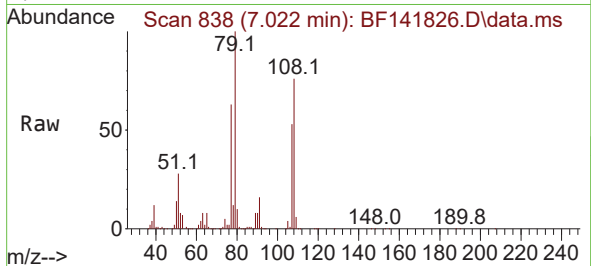
Tgt Ion:146 Resp: 908206  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.2 76.8  
111 45.1 37.8 56.6





#15  
Benzyl Alcohol  
Concen: 40.036 ng  
RT: 7.022 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

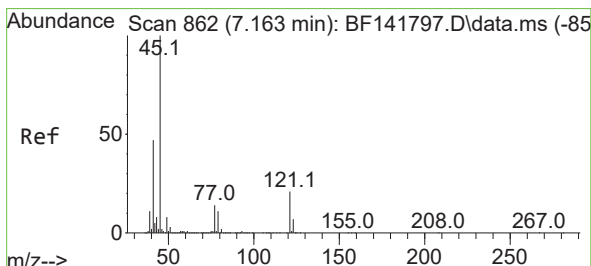
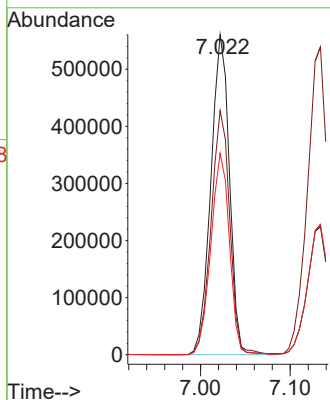
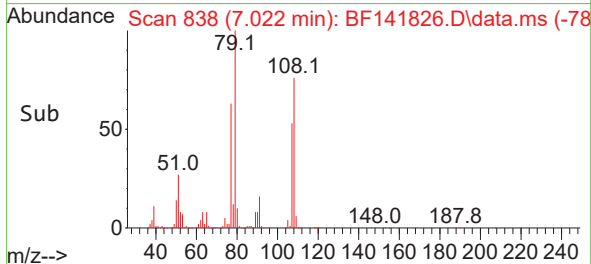
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion: 79 Resp: 806132  
Ion Ratio Lower Upper  
79 100  
108 76.3 60.2 90.2  
77 62.9 50.2 75.2

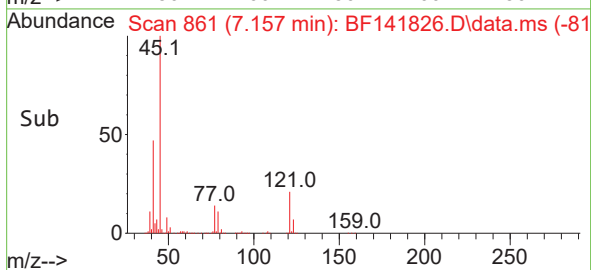
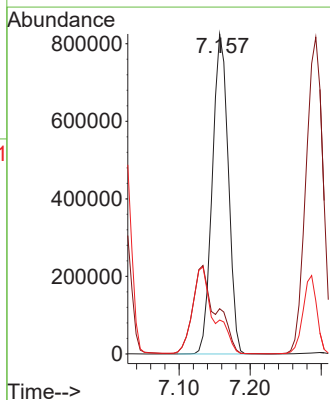
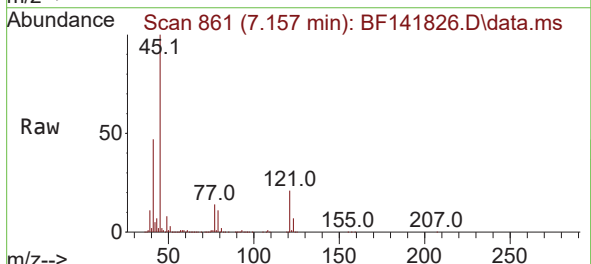
Manual Integrations  
APPROVED

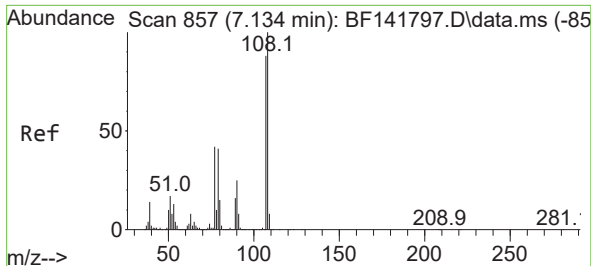
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.242 ng  
RT: 7.157 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 45 Resp: 1285320  
Ion Ratio Lower Upper  
45 100  
77 14.2 0.0 34.4  
79 10.6 0.0 30.9





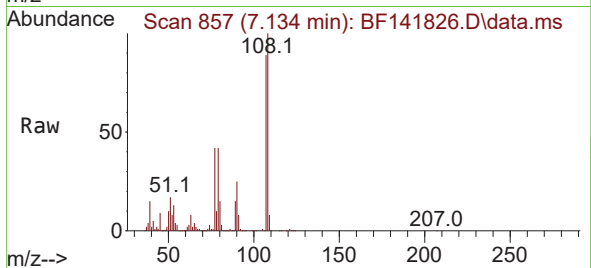
#17  
2-Methylphenol  
Concen: 42.714 ng  
RT: 7.134 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

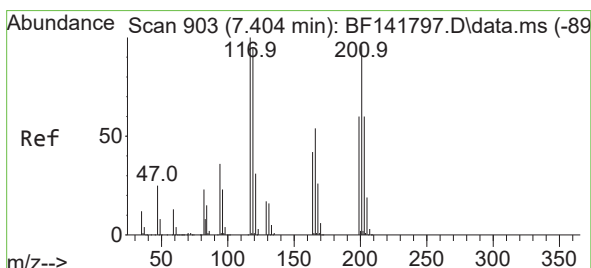
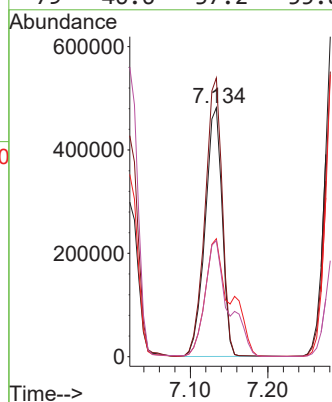
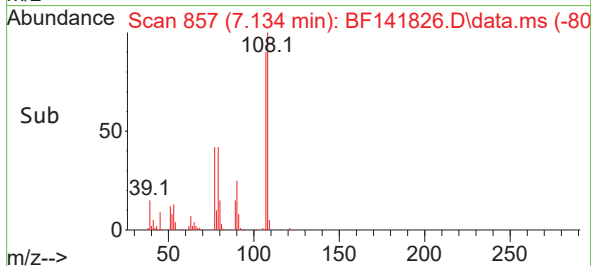


Tgt Ion:107 Resp: 73824  
Ion Ratio Lower Upper  
107 100  
108 111.9 90.6 135.8  
77 47.4 37.7 56.5  
79 46.6 37.2 55.8

Manual Integrations

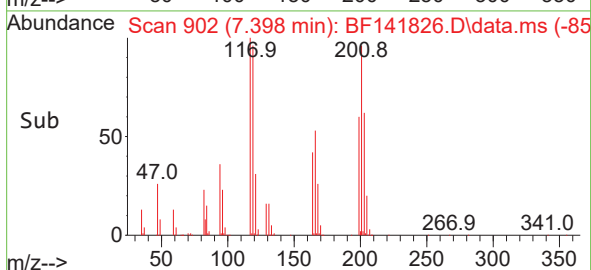
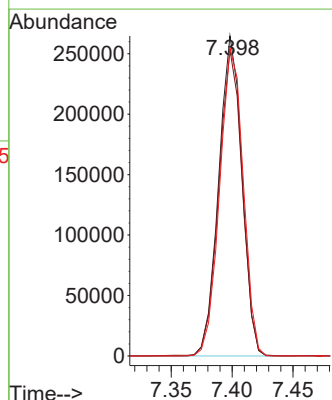
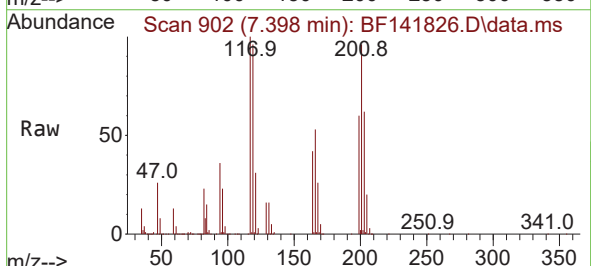
APPROVED

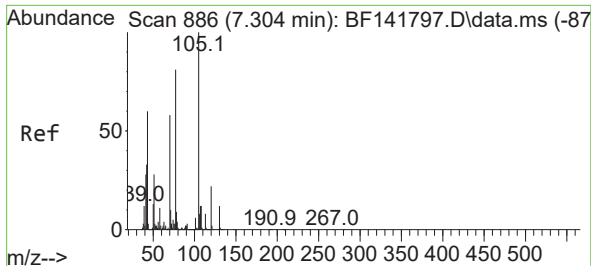
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#18  
Hexachloroethane  
Concen: 41.576 ng  
RT: 7.398 min Scan# 902  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:117 Resp: 351592  
Ion Ratio Lower Upper  
117 100  
119 95.7 75.8 113.8  
201 96.1 76.7 115.1





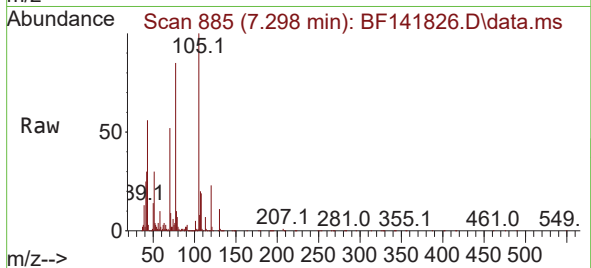
#19  
n-Nitroso-di-n-propylamine  
Concen: 39.172 ng  
RT: 7.298 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

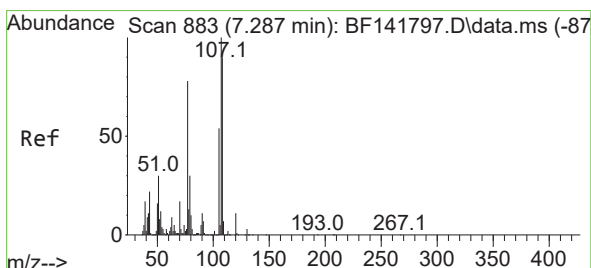
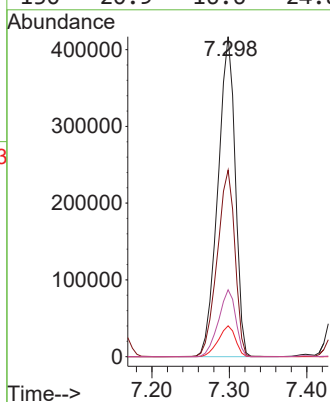
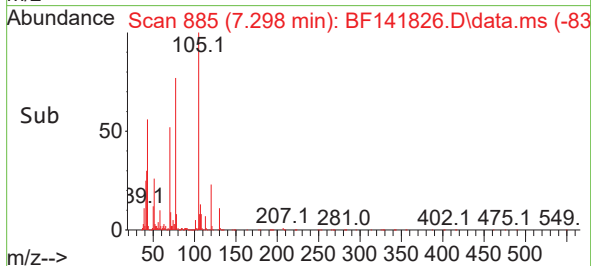


Tgt Ion: 70 Resp: 64875  
Ion Ratio Lower Upper  
70 100  
42 58.3 45.4 68.0  
101 9.6 7.8 11.8  
130 20.9 16.6 24.8

Manual Integrations

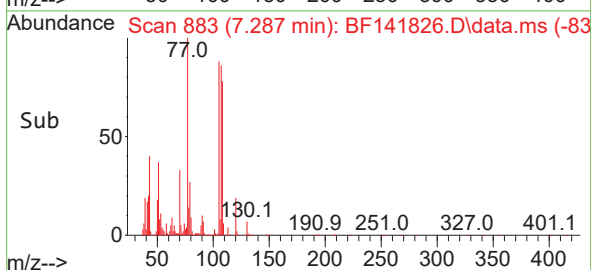
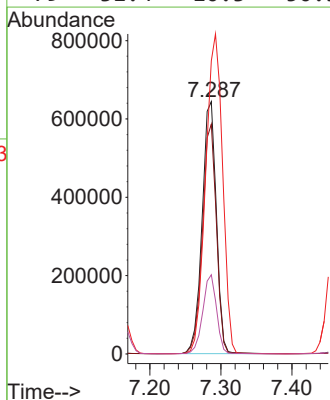
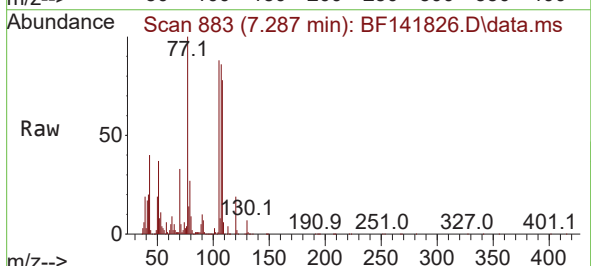
APPROVED

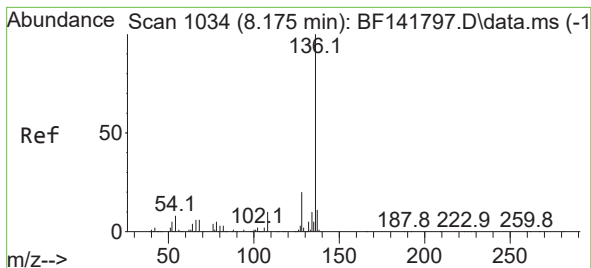
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#20  
3+4-Methylphenols  
Concen: 41.694 ng  
RT: 7.287 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:107 Resp: 897325  
Ion Ratio Lower Upper  
107 100  
108 91.1 69.7 109.7  
77 116.2 58.3 98.3#  
79 31.4 10.3 50.3





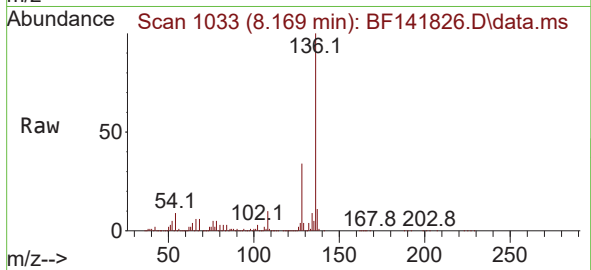
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

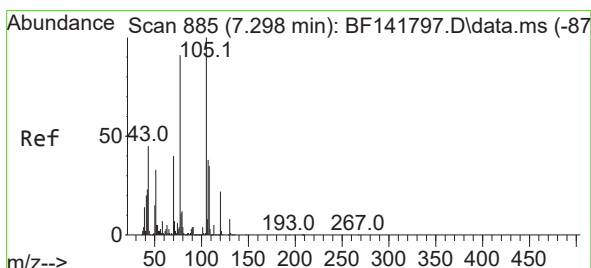
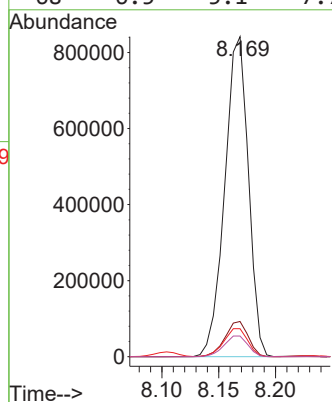
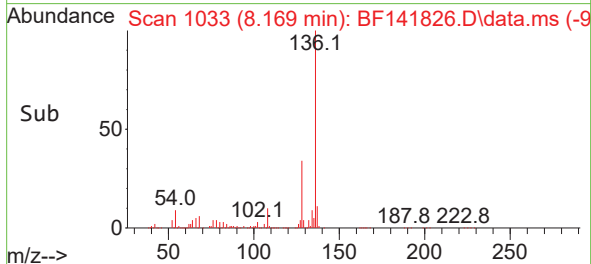


Tgt Ion:136 Resp: 1216990  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 8.7 6.9 10.3  
68 6.5 5.1 7.7

Manual Integrations

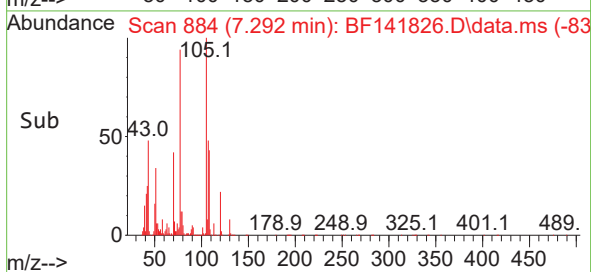
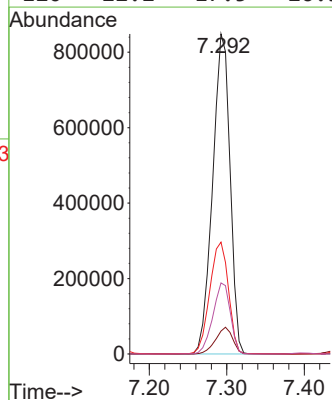
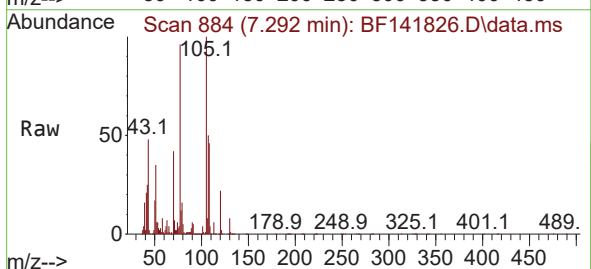
APPROVED

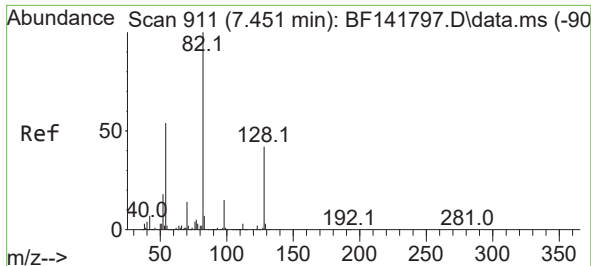
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#22  
Acetophenone  
Concen: 44.759 ng  
RT: 7.292 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:105 Resp: 1326666  
Ion Ratio Lower Upper  
105 100  
71 7.1 5.4 8.0  
51 35.0 26.1 39.1  
120 22.2 17.5 26.3





#23

Nitrobenzene-d5

Concen: 104.261 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

Tgt Ion: 82 Resp: 198504

Ion Ratio Lower Upper

82 100

128 42.2 33.5 50.3

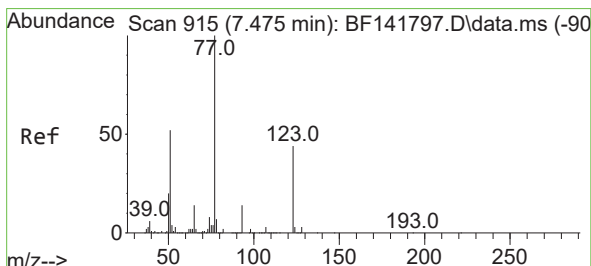
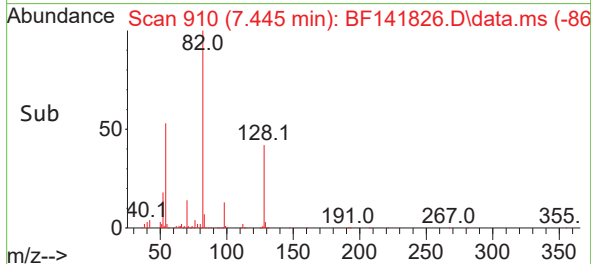
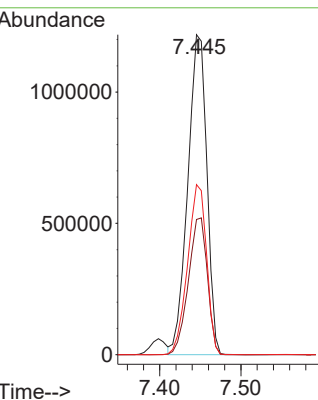
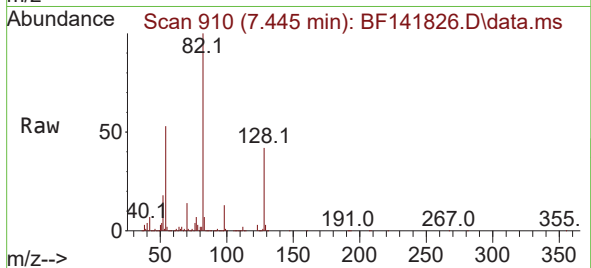
54 53.2 42.7 64.1

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/05/2025

Supervised By :Jagrut Upadhyay 03/05/2025



#24

Nitrobenzene

Concen: 46.018 ng

RT: 7.469 min Scan# 914

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

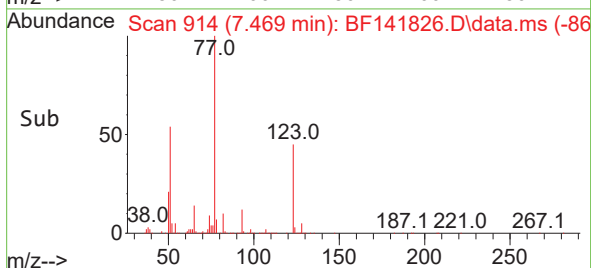
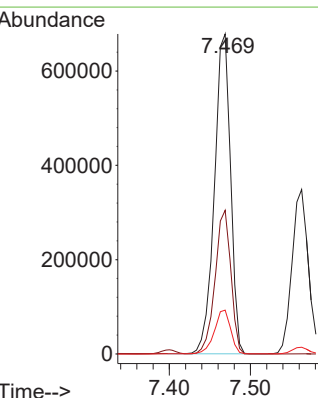
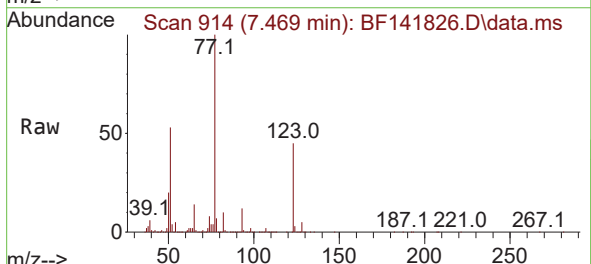
Tgt Ion: 77 Resp: 938224

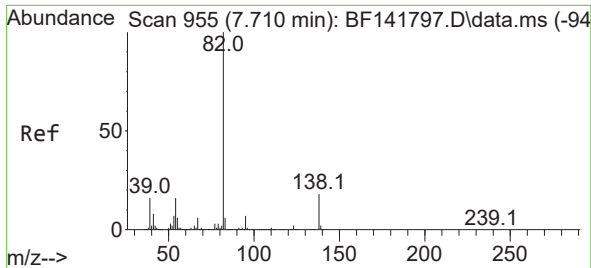
Ion Ratio Lower Upper

77 100

123 44.9 35.8 53.8

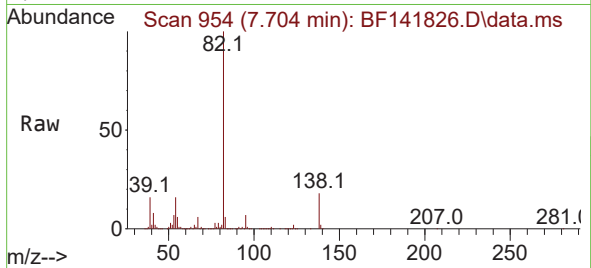
65 13.7 11.2 16.8





#25  
Isophorone  
Concen: 42.852 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

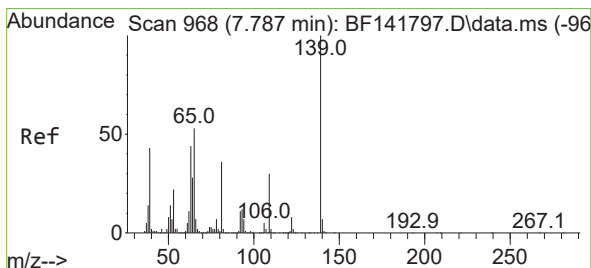
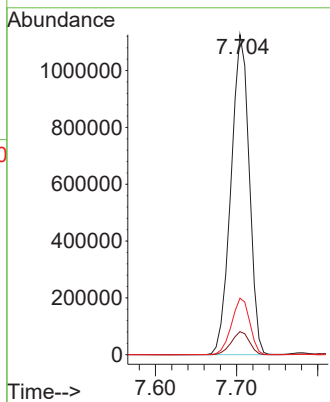
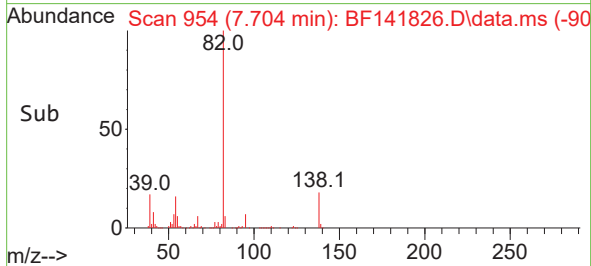
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion: 82 Resp: 175278  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.8  
138 17.7 14.0 21.0

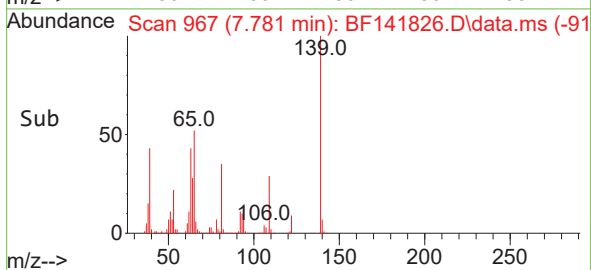
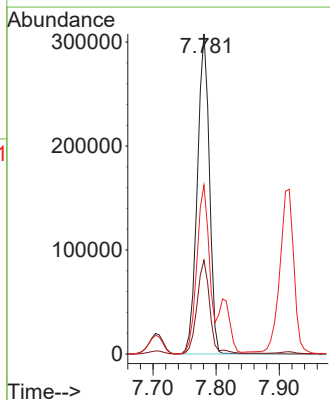
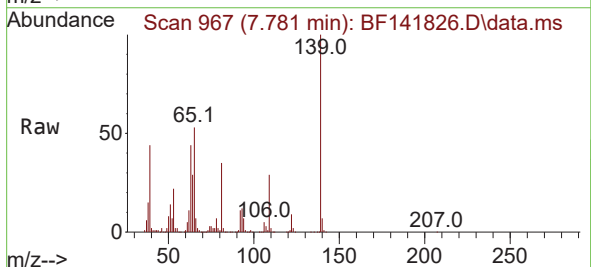
Manual Integrations  
APPROVED

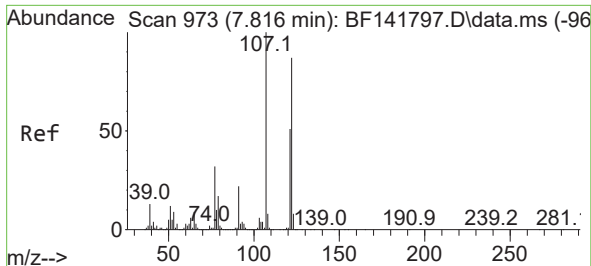
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#26  
2-Nitrophenol  
Concen: 45.311 ng  
RT: 7.781 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:139 Resp: 410123  
Ion Ratio Lower Upper  
139 100  
109 29.3 24.1 36.1  
65 52.8 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 52.255 ng

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141826.D

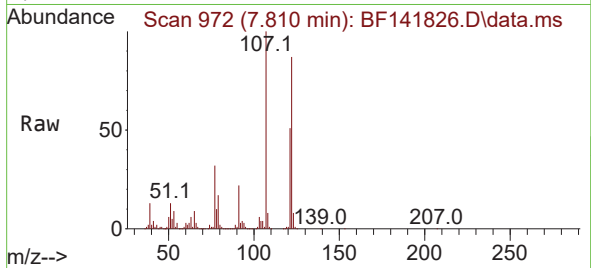
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS



Tgt Ion:122 Resp: 78568

Ion Ratio Lower Upper

122 100

107 115.2 92.5 138.7

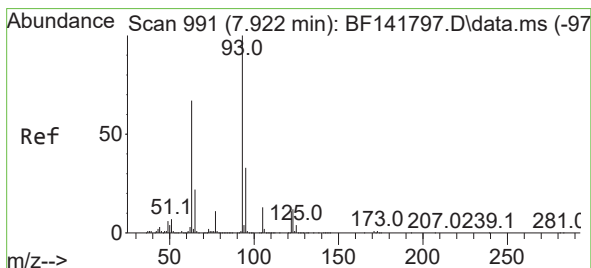
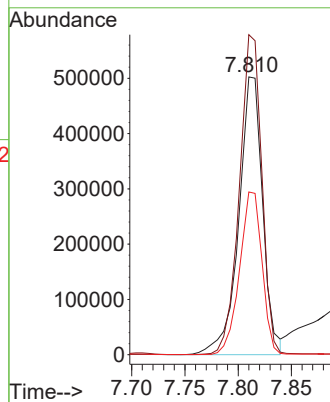
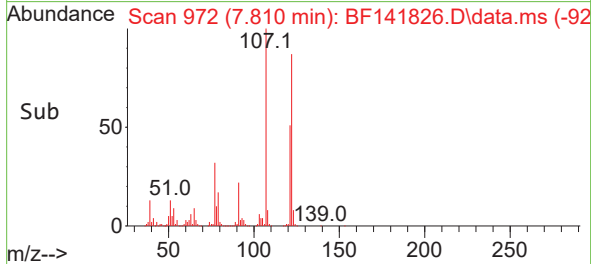
121 58.6 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/05/2025

Supervised By :Jagrut Upadhyay 03/05/2025



#28

bis(2-Chloroethoxy)methane

Concen: 40.523 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

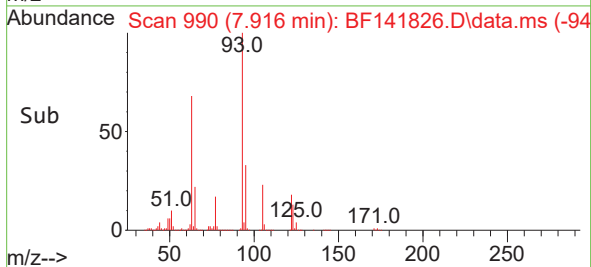
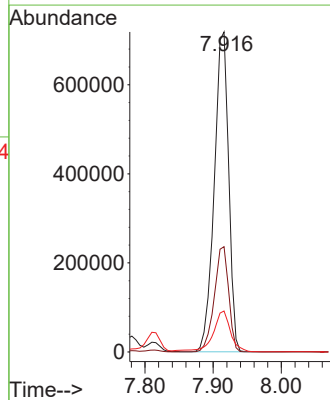
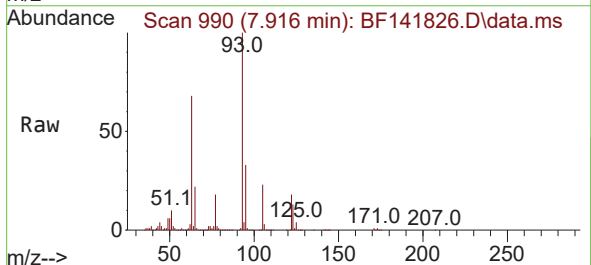
Tgt Ion: 93 Resp: 1057325

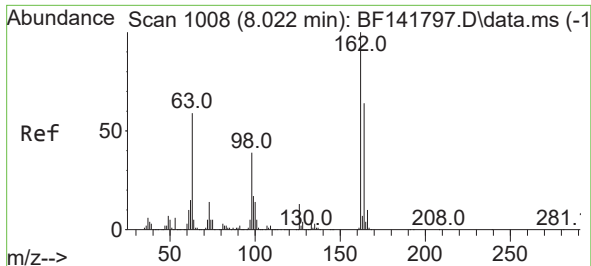
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 12.8 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.679 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141826.D

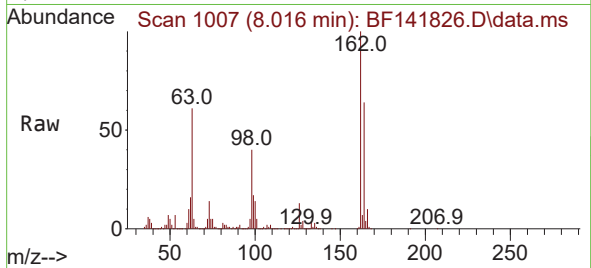
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS



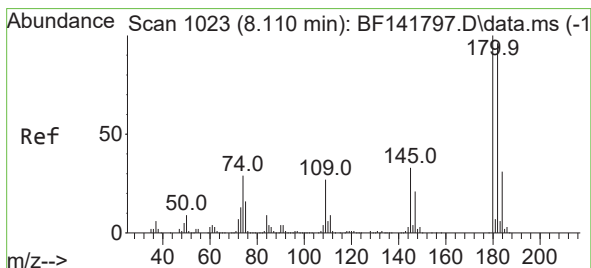
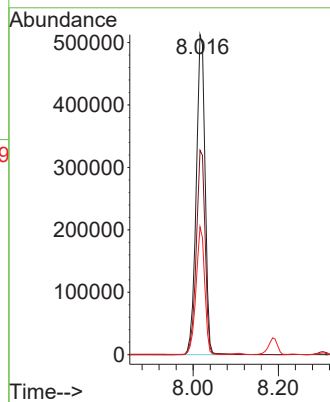
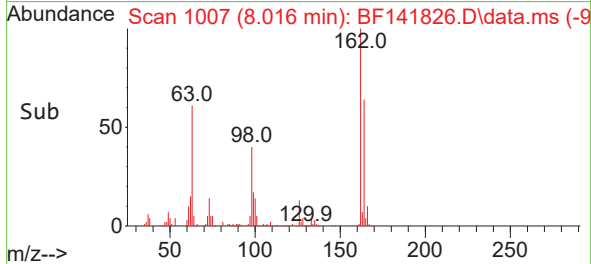
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 740307 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.8  | 44.3  | 84.3   |
| 98        | 39.9  | 19.6  | 59.6   |

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/05/2025

Supervised By :Jagrut Upadhyay 03/05/2025



#30

1,2,4-Trichlorobenzene

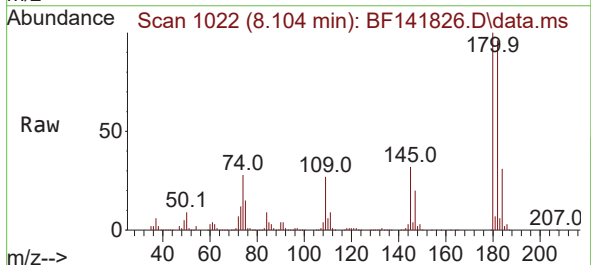
Concen: 41.766 ng

RT: 8.104 min Scan# 1022

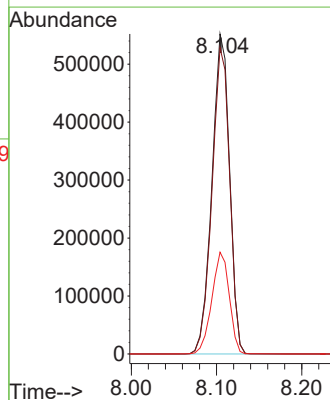
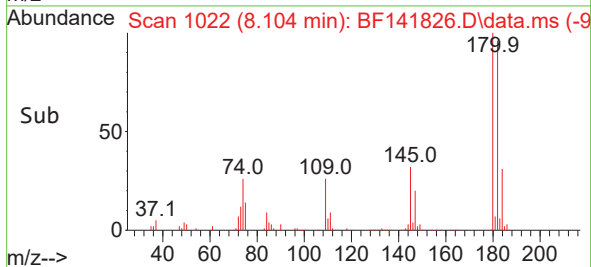
Delta R.T. -0.006 min

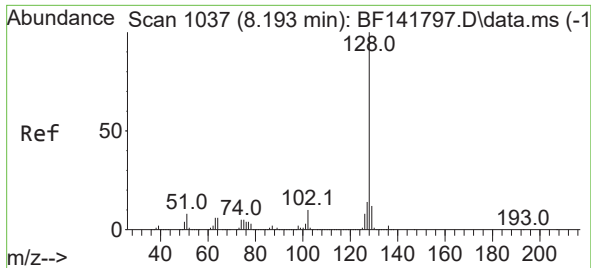
Lab File: BF141826.D

Acq: 04 Mar 2025 14:44



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 793857 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.7  | 76.8  | 115.2  |
| 145       | 31.8  | 26.4  | 39.6   |





#31  
Naphthalene  
Concen: 40.407 ng  
RT: 8.186 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

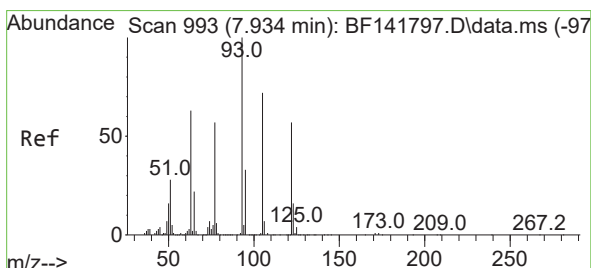
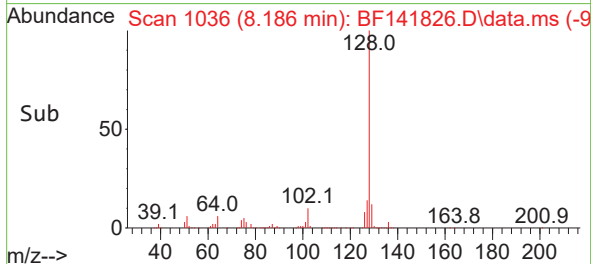
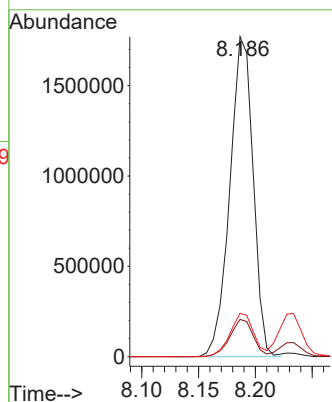
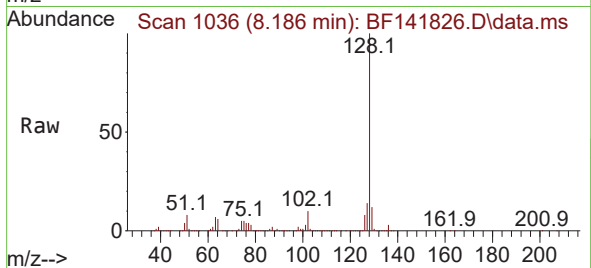
PB166957BS

Tgt Ion:128 Resp: 252735  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.2 13.8  
127 13.5 11.0 16.4

Manual Integrations

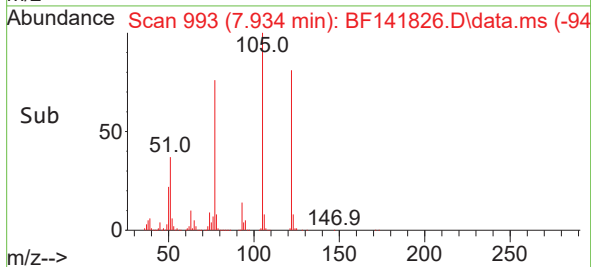
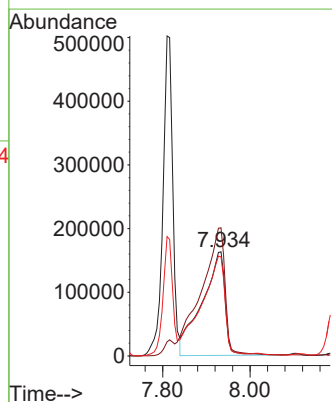
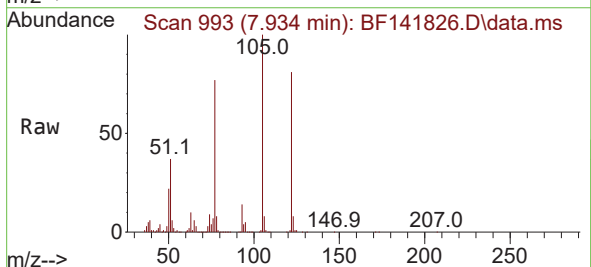
APPROVED

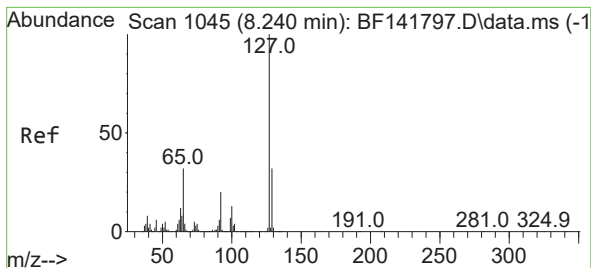
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#32  
Benzoic acid  
Concen: 47.899 ng  
RT: 7.934 min Scan# 993  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:122 Resp: 600862  
Ion Ratio Lower Upper  
122 100  
105 123.1 105.8 145.8  
77 95.3 79.9 119.9





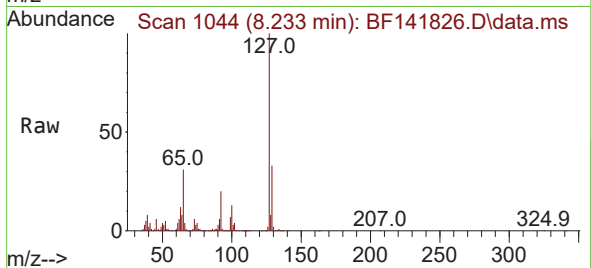
#33  
4-Chloroaniline  
Concen: 15.073 ng  
RT: 8.233 min Scan# 1044  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

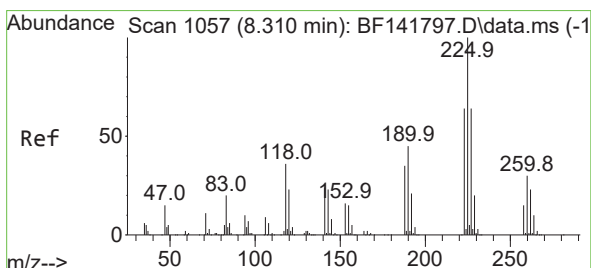
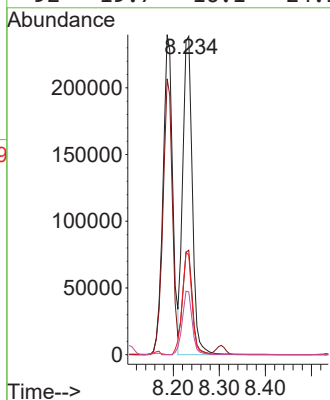
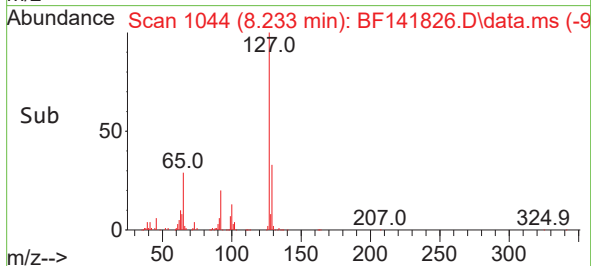


Tgt Ion:127 Resp: 34569  
Ion Ratio Lower Upper  
127 100  
129 32.8 26.1 39.1  
65 31.2 25.7 38.5  
92 19.7 16.1 24.1

Manual Integrations

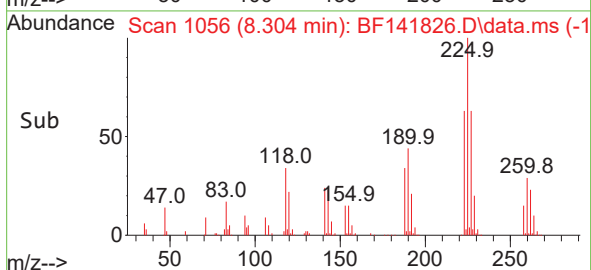
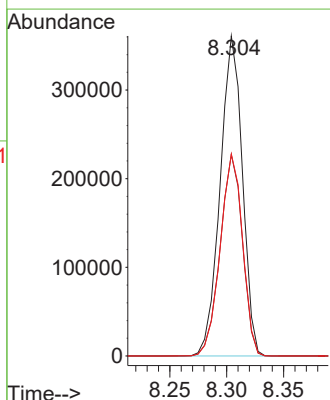
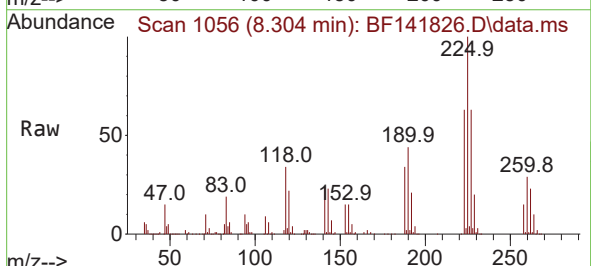
APPROVED

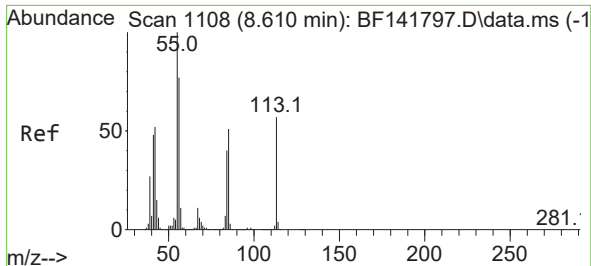
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#34  
Hexachlorobutadiene  
Concen: 41.617 ng  
RT: 8.304 min Scan# 1056  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

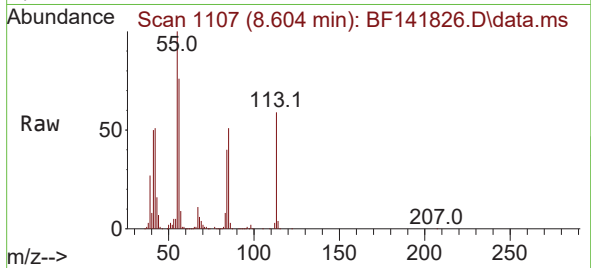
Tgt Ion:225 Resp: 491553  
Ion Ratio Lower Upper  
225 100  
223 62.9 51.4 77.2  
227 63.1 51.6 77.4





#35  
Caprolactam  
Concen: 48.936 ng m  
RT: 8.604 min Scan# 1108  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

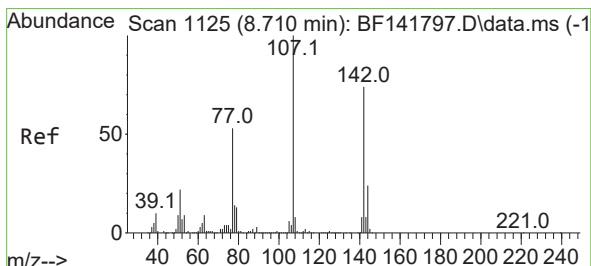
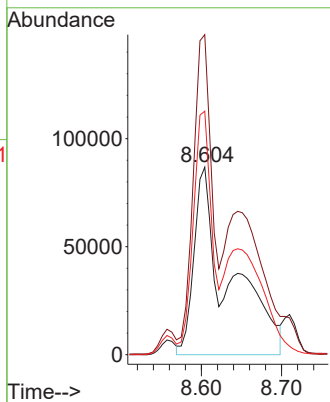
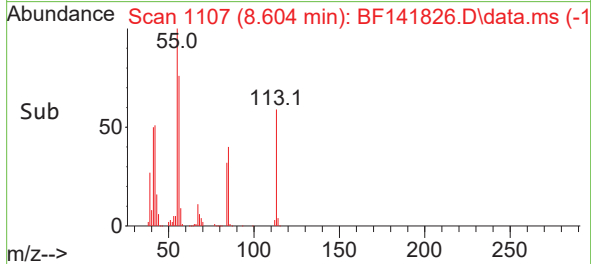
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:113 Resp: 26112  
Ion Ratio Lower Upper  
113 100  
55 170.6 155.6 195.6  
56 129.9 114.6 154.6

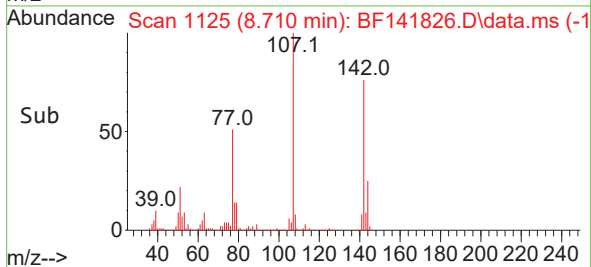
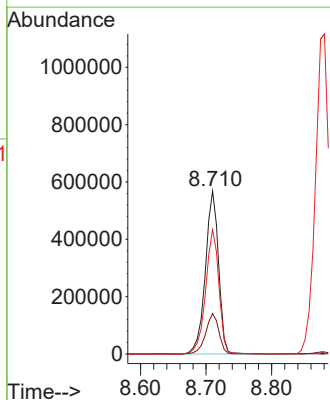
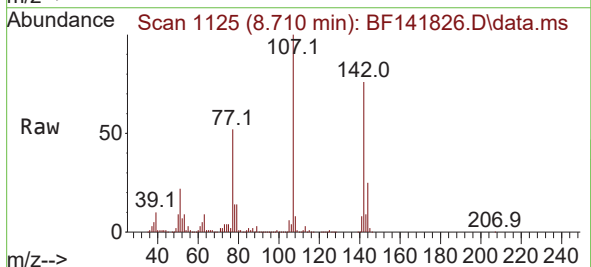
Manual Integrations  
APPROVED

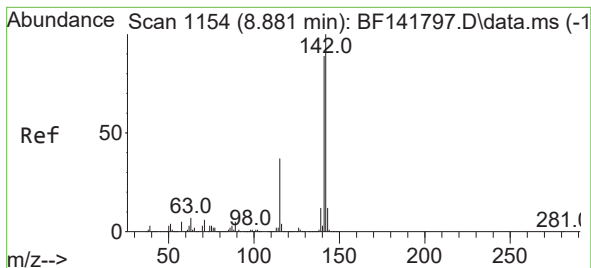
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#36  
4-Chloro-3-methylphenol  
Concen: 41.221 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:107 Resp: 794276  
Ion Ratio Lower Upper  
107 100  
144 24.9 19.4 29.0  
142 76.3 59.4 89.0





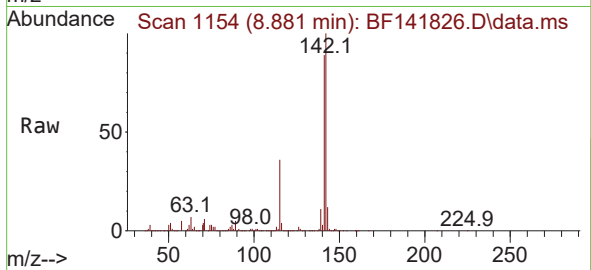
#37  
2-Methylnaphthalene  
Concen: 39.163 ng  
RT: 8.881 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

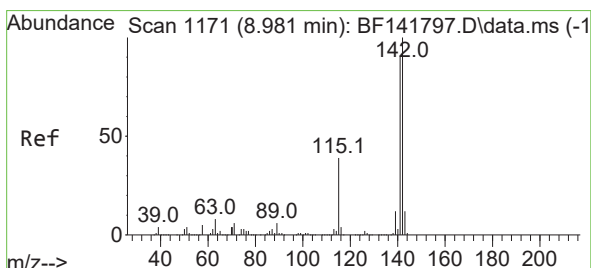
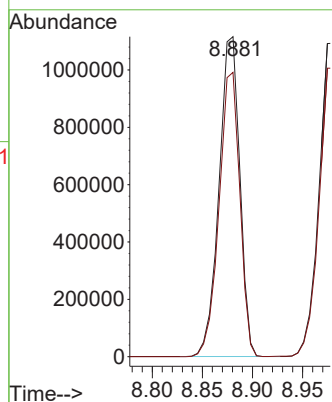
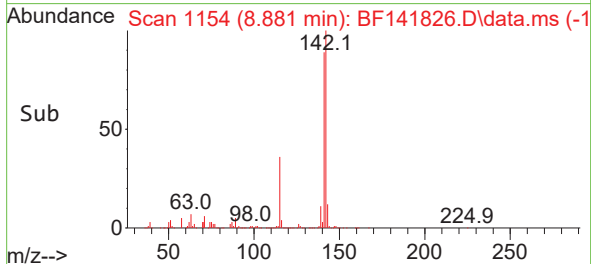


Tgt Ion:142 Resp: 1606734  
Ion Ratio Lower Upper  
142 100  
141 88.9 71.1 106.7

Manual Integrations

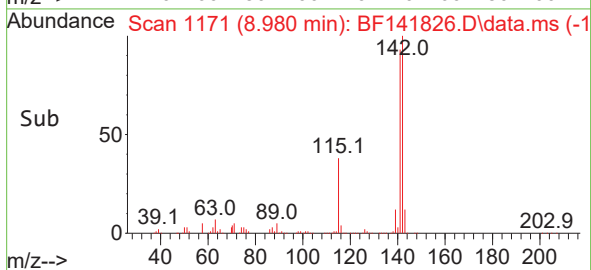
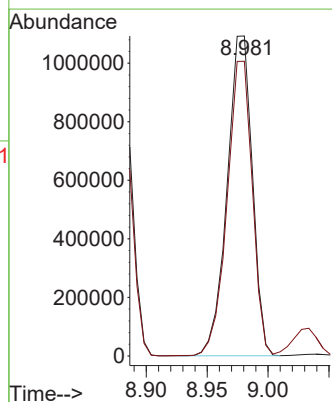
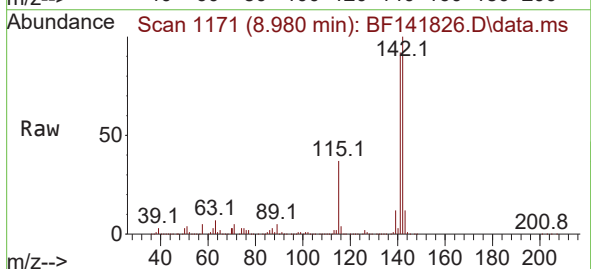
APPROVED

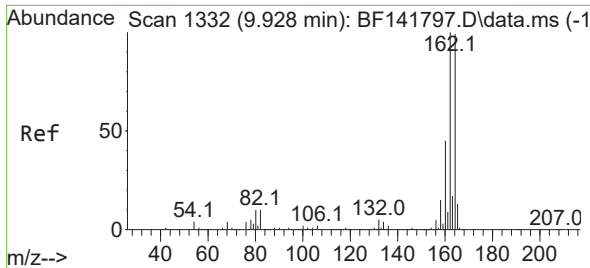
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#38  
1-Methylnaphthalene  
Concen: 40.008 ng  
RT: 8.980 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

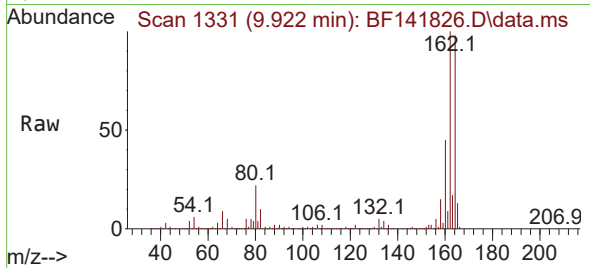
Tgt Ion:142 Resp: 1574965  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.1 109.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

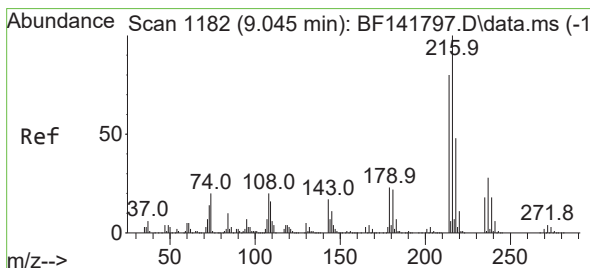
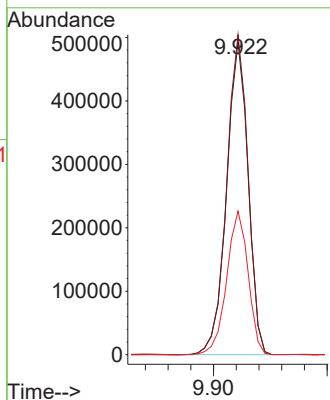
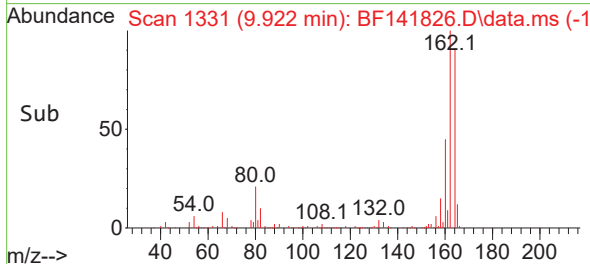
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:164 Resp: 647778  
Ion Ratio Lower Upper  
164 100  
162 102.4 80.6 120.8  
160 45.9 36.3 54.5

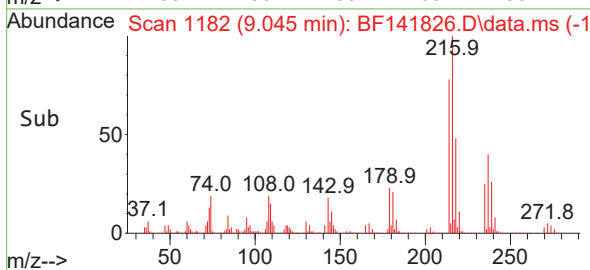
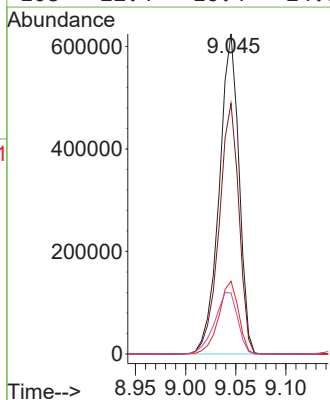
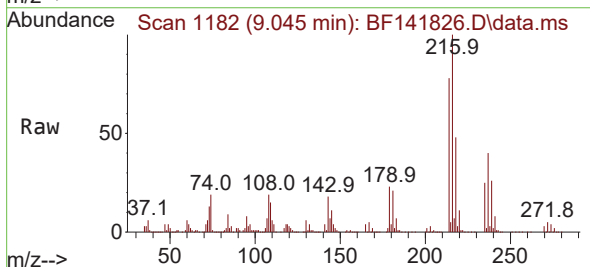
Manual Integrations  
APPROVED

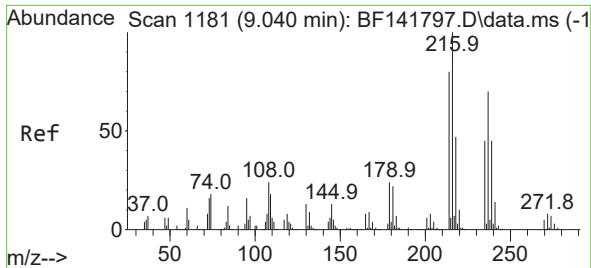
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.610 ng  
RT: 9.045 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:216 Resp: 853302  
Ion Ratio Lower Upper  
216 100  
214 78.5 63.5 95.3  
179 22.7 18.1 27.1  
108 22.4 16.4 24.6





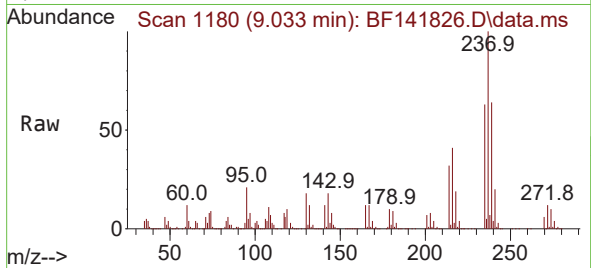
#41  
Hexachlorocyclopentadiene  
Concen: 140.707 ng  
RT: 9.033 min Scan# 1181  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

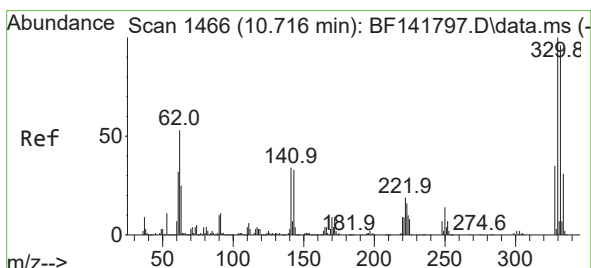
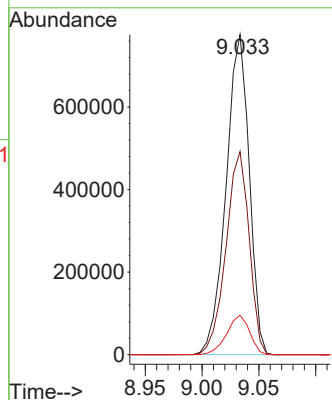
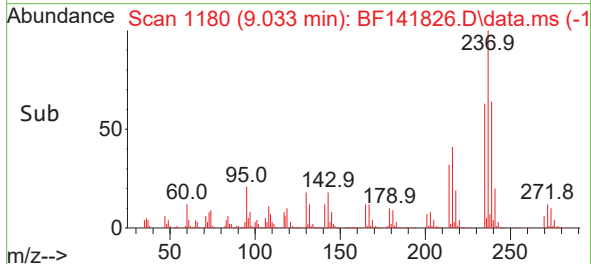


Tgt Ion:237 Resp: 109858  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.3 83.3  
272 12.3 0.0 31.9

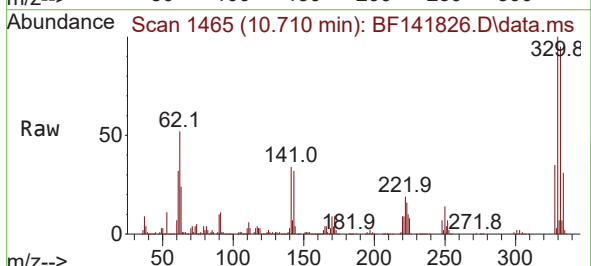
Manual Integrations

APPROVED

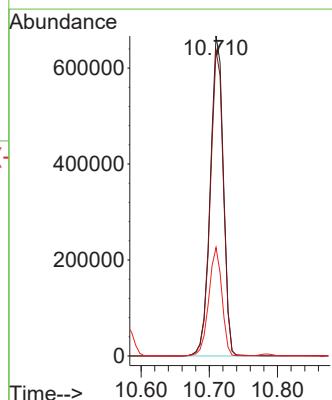
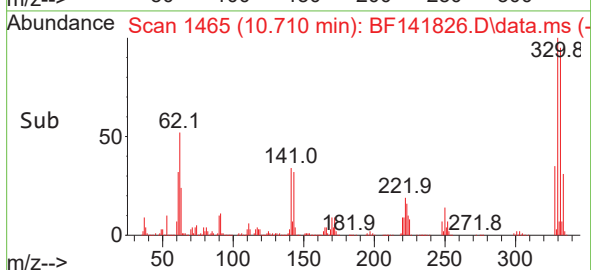
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

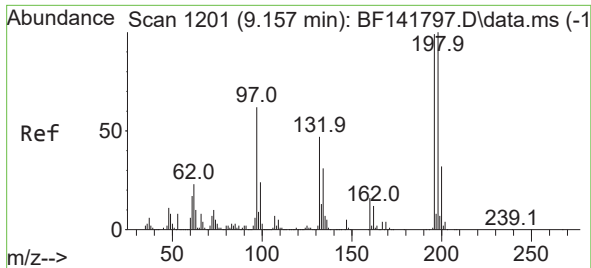


#42  
2,4,6-Tribromophenol  
Concen: 146.635 ng  
RT: 10.710 min Scan# 1465  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



Tgt Ion:330 Resp: 891755  
Ion Ratio Lower Upper  
330 100  
332 95.8 76.6 115.0  
141 34.0 29.0 43.4





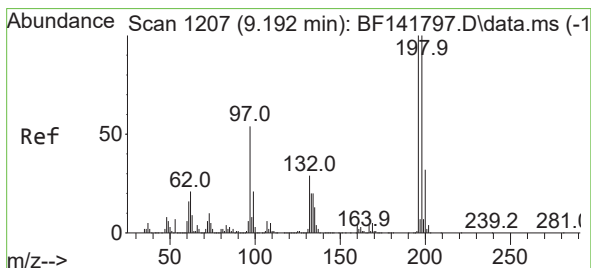
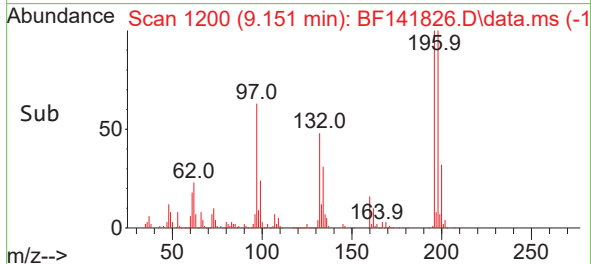
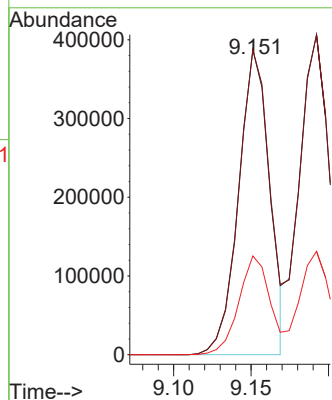
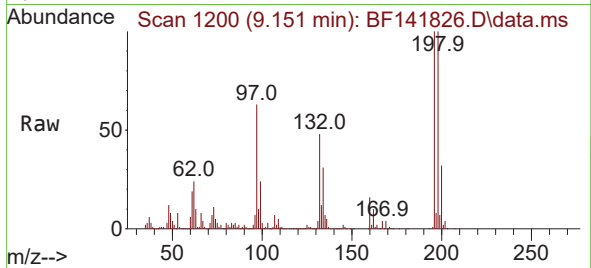
#43  
2,4,6-Trichlorophenol  
Concen: 44.559 ng  
RT: 9.151 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:196 Resp: 53849  
Ion Ratio Lower Upper  
196 100  
198 100.1 80.4 120.6  
200 32.4 25.7 38.5

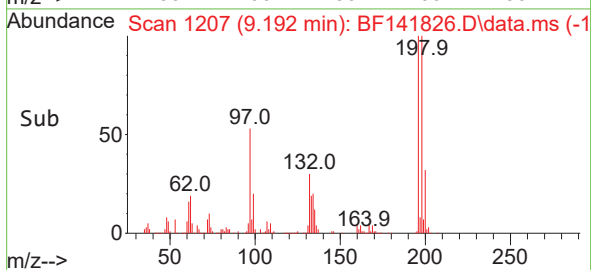
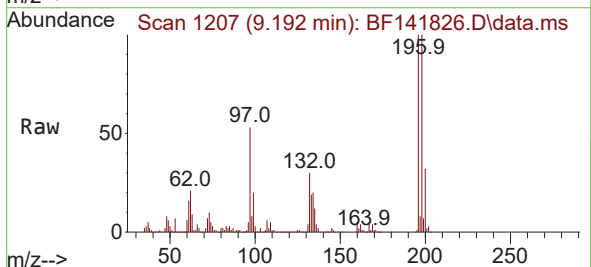
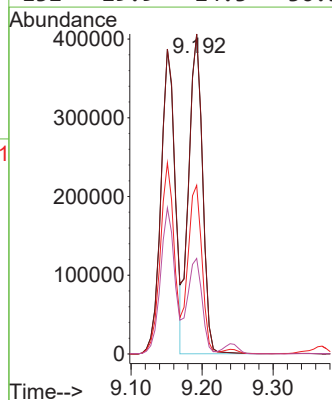
Manual Integrations  
APPROVED

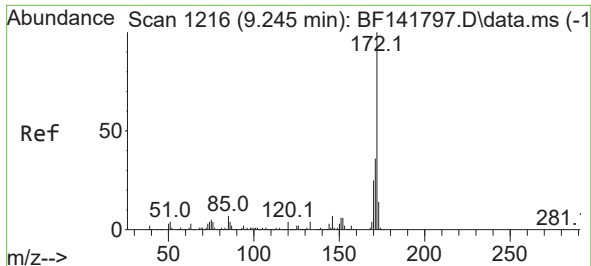
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#44  
2,4,5-Trichlorophenol  
Concen: 45.619 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:196 Resp: 545918  
Ion Ratio Lower Upper  
196 100  
198 100.1 79.7 119.5  
97 52.8 44.2 66.2  
132 29.9 24.3 36.5





#45  
2-Fluorobiphenyl  
Concen: 90.056 ng  
RT: 9.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

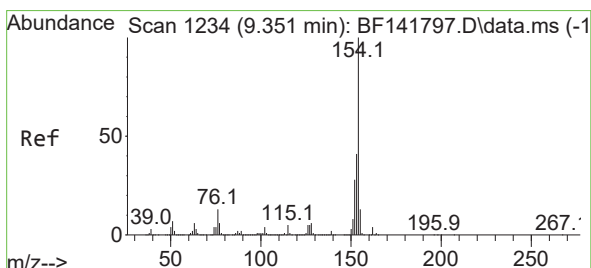
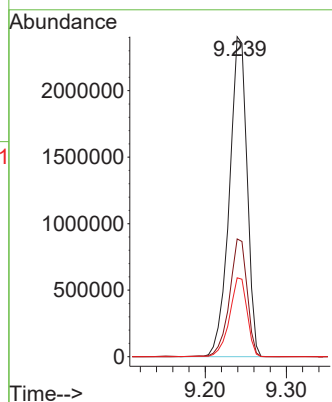
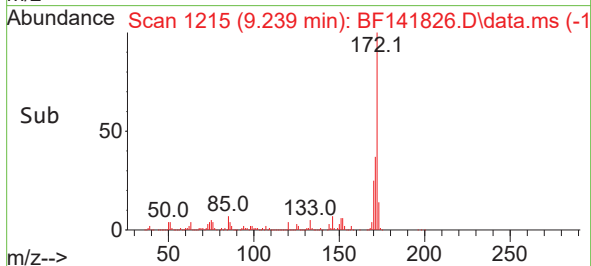
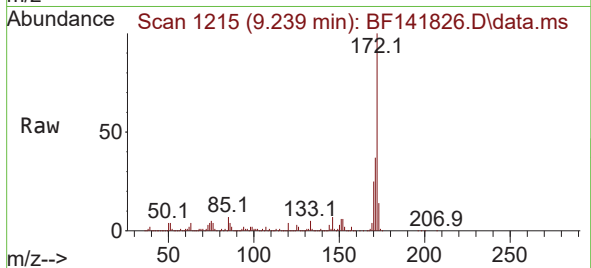
PB166957BS

Tgt Ion:172 Resp: 363816  
Ion Ratio Lower Upper  
172 100  
171 36.8 29.2 43.8  
170 24.6 19.7 29.5

Manual Integrations

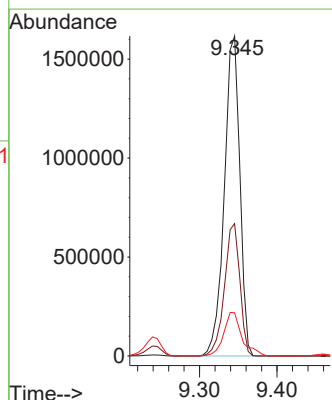
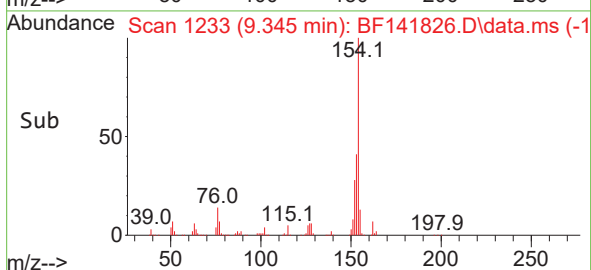
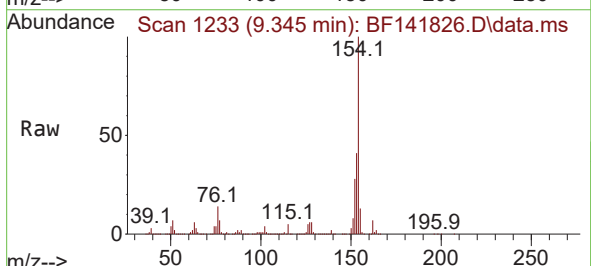
APPROVED

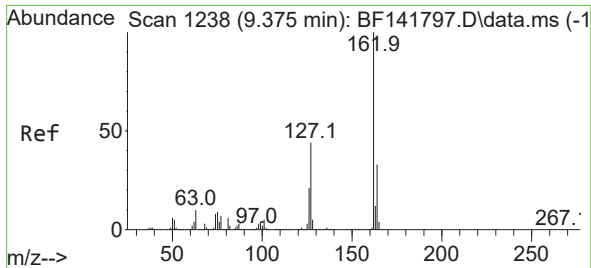
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#46  
1,1'-Biphenyl  
Concen: 45.581 ng  
RT: 9.345 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:154 Resp: 2247408  
Ion Ratio Lower Upper  
154 100  
153 41.3 21.4 61.4  
76 13.5 0.0 33.4





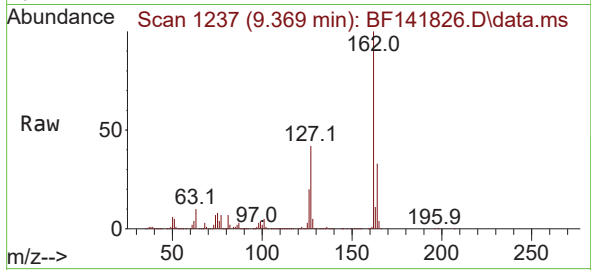
#47  
2-Chloronaphthalene  
Concen: 43.066 ng  
RT: 9.369 min Scan# 1237  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

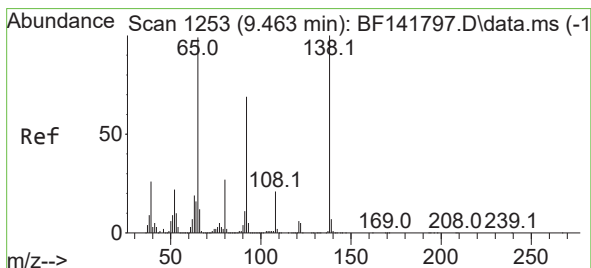
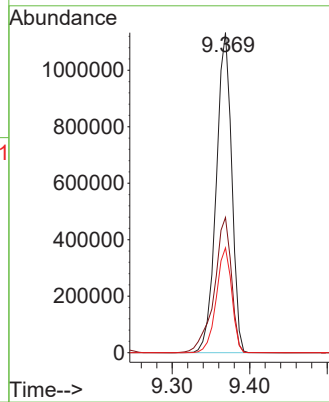
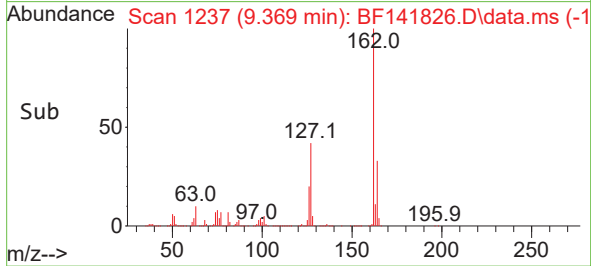


Tgt Ion:162 Resp: 156725  
Ion Ratio Lower Upper  
162 100  
127 42.3 35.0 52.6  
164 32.8 26.6 40.0

Manual Integrations

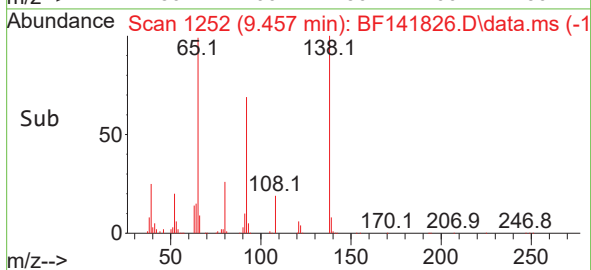
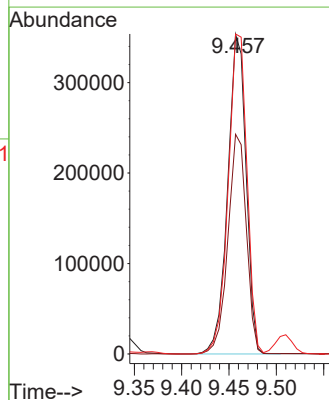
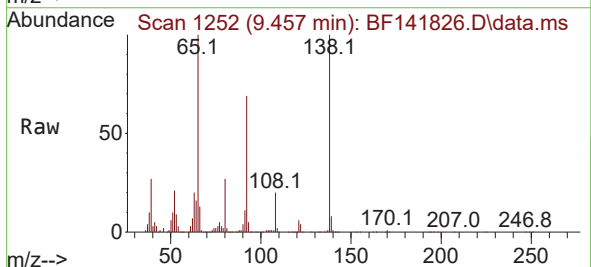
APPROVED

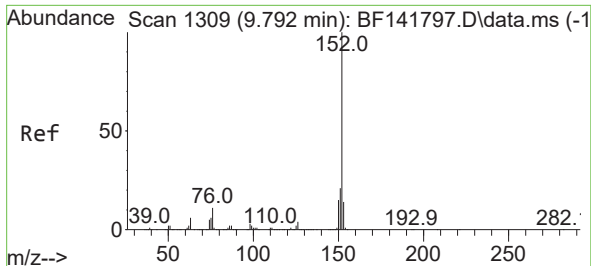
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#48  
2-Nitroaniline  
Concen: 48.059 ng  
RT: 9.457 min Scan# 1252  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion: 65 Resp: 478794  
Ion Ratio Lower Upper  
65 100  
92 68.7 55.7 83.5  
138 100.1 80.6 121.0





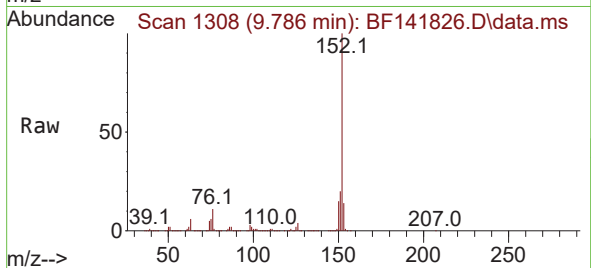
#49  
Acenaphthylene  
Concen: 44.342 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

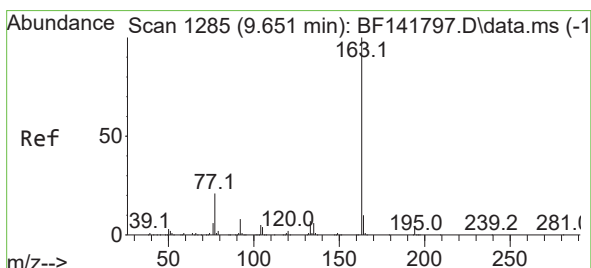
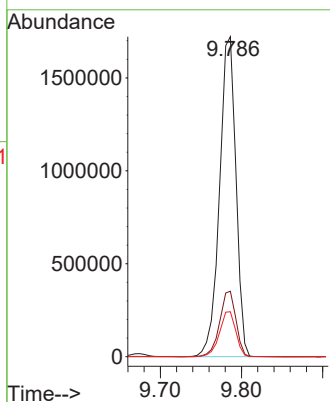
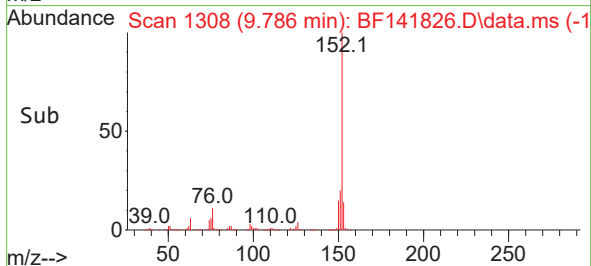


Tgt Ion:152 Resp: 2419425  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.6 24.8  
153 14.0 11.2 16.8

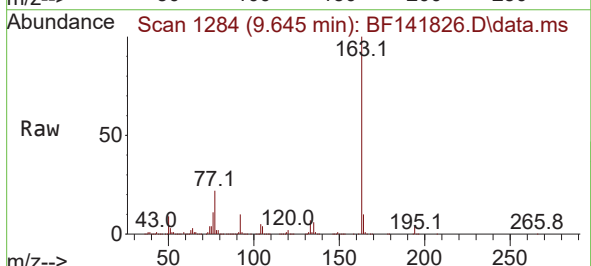
Manual Integrations

APPROVED

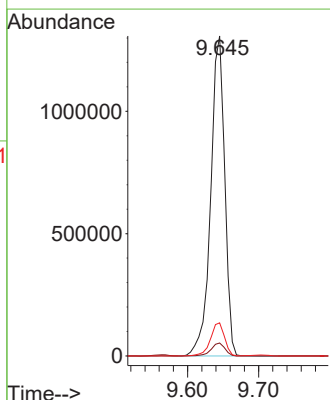
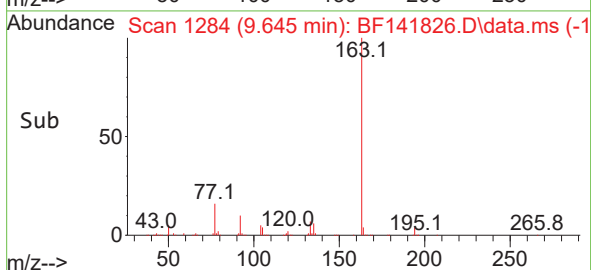
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

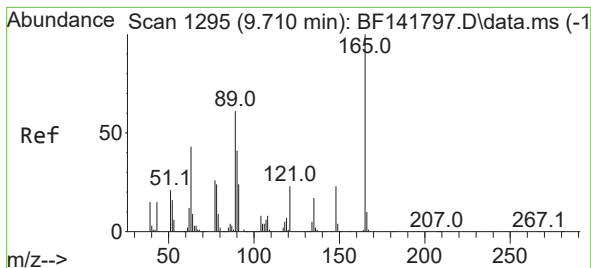


#50  
Dimethylphthalate  
Concen: 41.335 ng  
RT: 9.645 min Scan# 1284  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



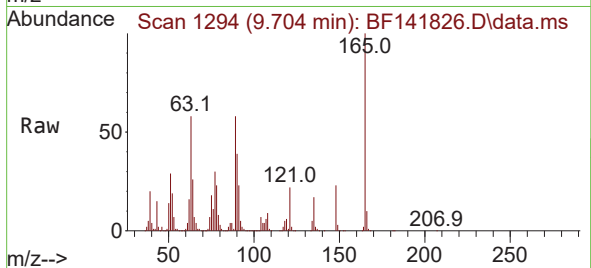
Tgt Ion:163 Resp: 1793109  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.1 4.7  
164 10.3 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 46.046 ng  
RT: 9.704 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

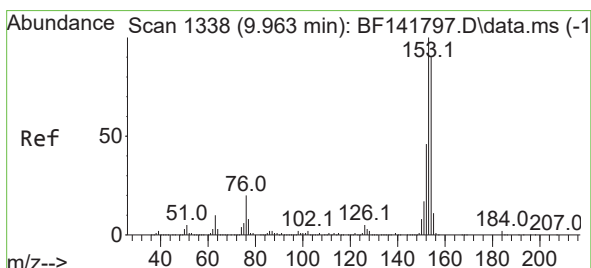
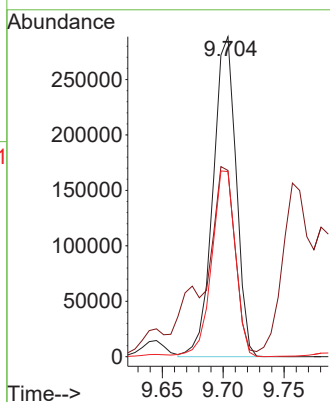
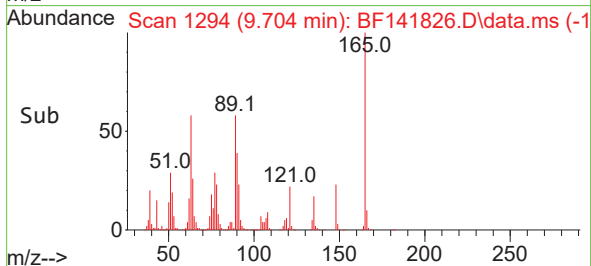
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:165 Resp: 38110  
Ion Ratio Lower Upper  
165 100  
63 58.2 49.5 74.3  
89 57.8 49.0 73.4

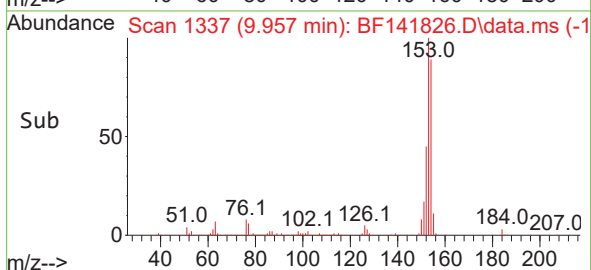
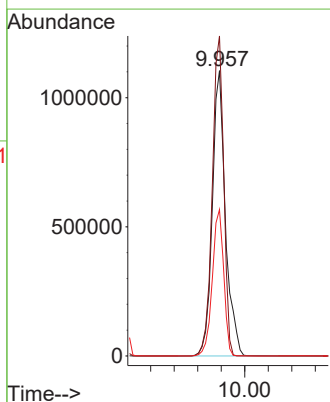
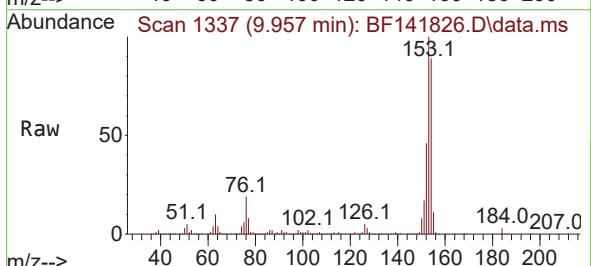
Manual Integrations  
APPROVED

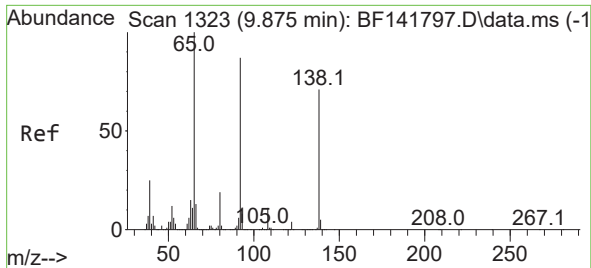
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#52  
Acenaphthene  
Concen: 46.426 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

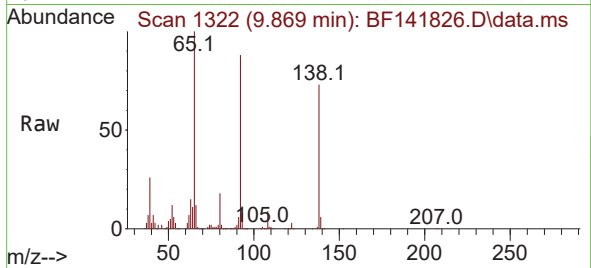
Tgt Ion:154 Resp: 1709248  
Ion Ratio Lower Upper  
154 100  
153 112.1 88.7 133.1  
152 51.3 40.9 61.3





#53  
3-Nitroaniline  
Concen: 28.525 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

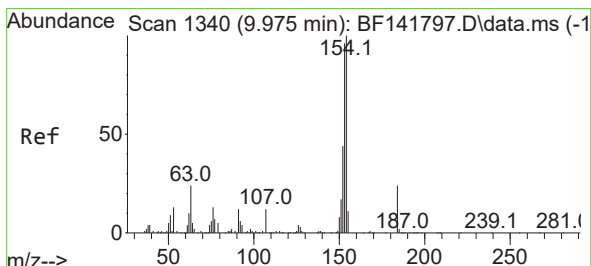
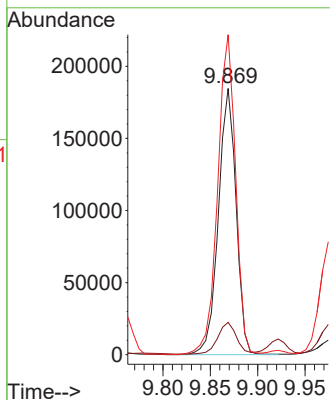
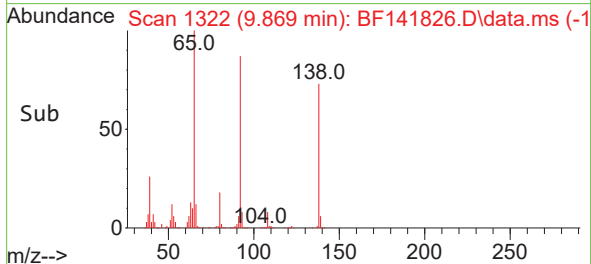
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



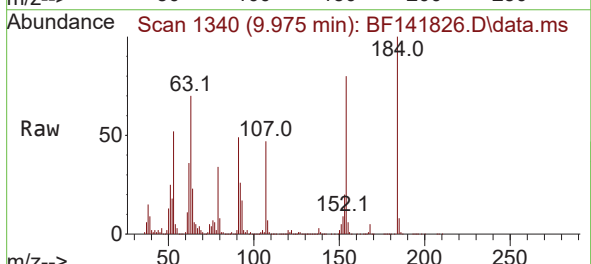
Tgt Ion:138 Resp: 240809  
Ion Ratio Lower Upper  
138 100  
108 12.1 12.7 19.1  
92 120.2 97.9 146.9

Manual Integrations  
APPROVED

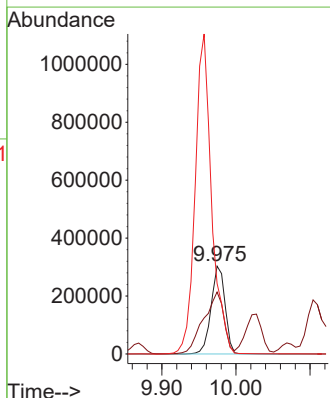
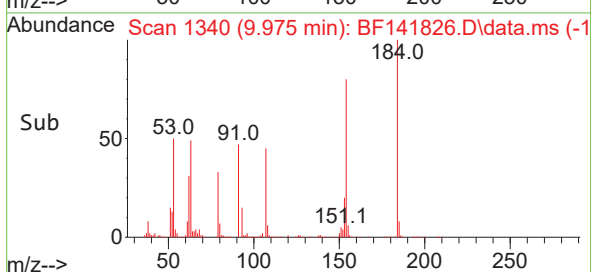
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

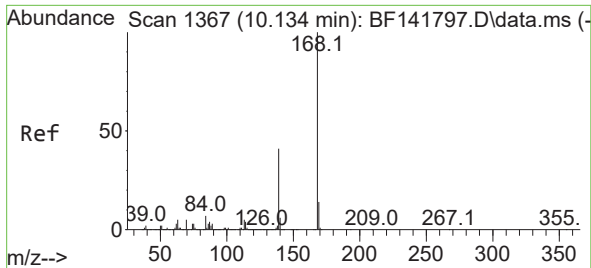


#54  
2,4-Dinitrophenol  
Concen: 97.096 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



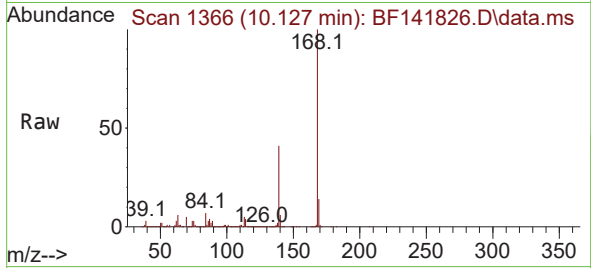
Tgt Ion:184 Resp: 397720  
Ion Ratio Lower Upper  
184 100  
63 70.5 79.0 118.6#  
154 80.3 335.8 503.8#





#55  
Dibenzenofuran  
Concen: 40.304 ng  
RT: 10.127 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

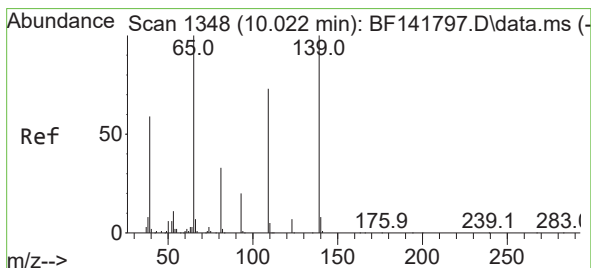
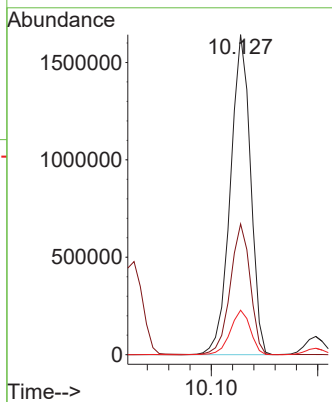
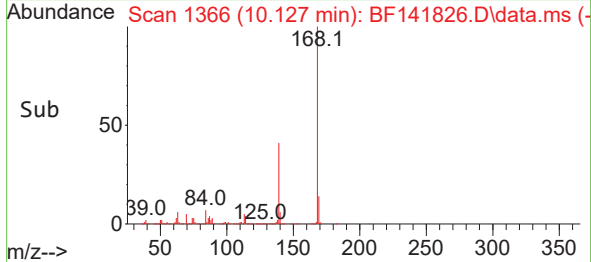
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:168 Resp: 2159728  
Ion Ratio Lower Upper  
168 100  
139 40.8 32.9 49.3  
169 13.9 11.1 16.7

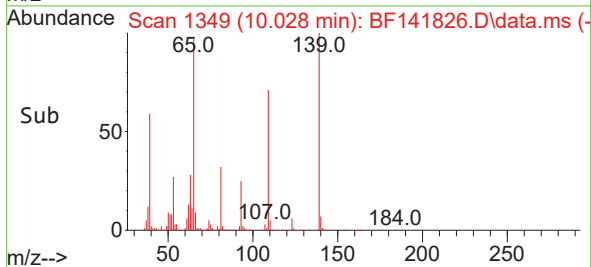
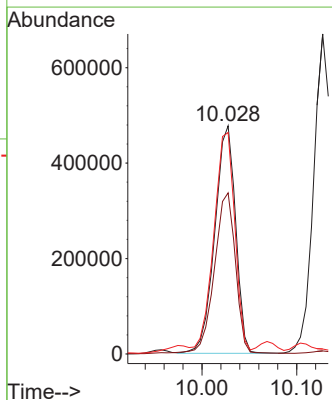
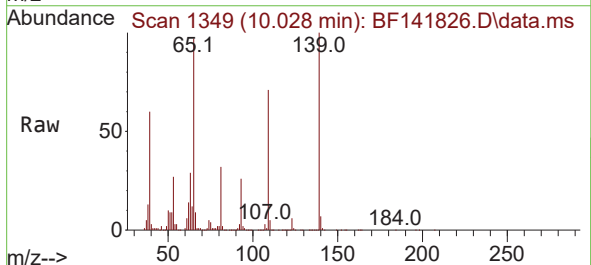
Manual Integrations  
APPROVED

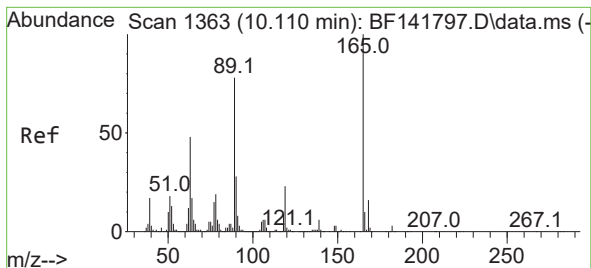
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#56  
4-Nitrophenol  
Concen: 113.699 ng  
RT: 10.028 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:139 Resp: 728478  
Ion Ratio Lower Upper  
139 100  
109 70.6 53.4 93.4  
65 97.0 82.1 122.1





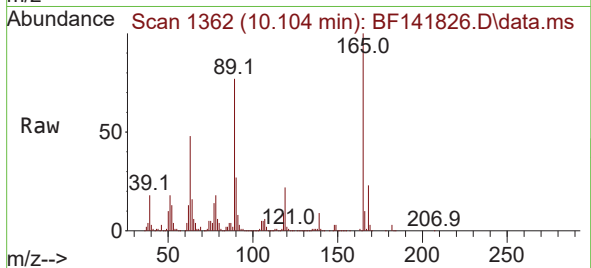
#57  
2,4-Dinitrotoluene  
Concen: 50.715 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

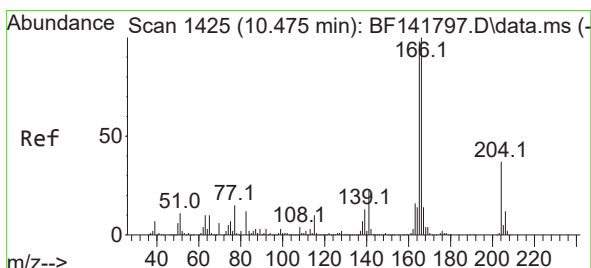
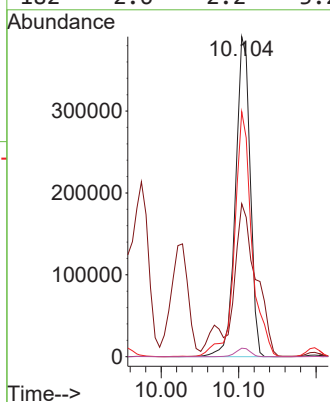
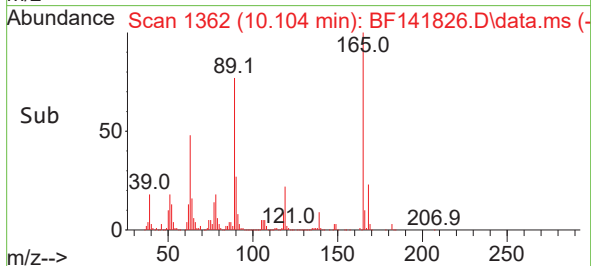


Tgt Ion:165 Resp: 51624  
Ion Ratio Lower Upper  
165 100  
63 47.8 38.8 58.2  
89 76.5 62.6 94.0  
182 2.6 2.2 3.2

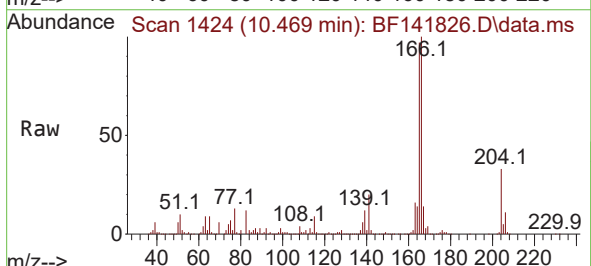
Manual Integrations

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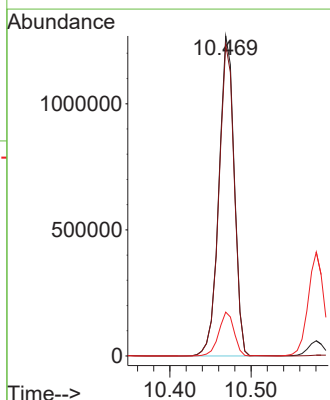
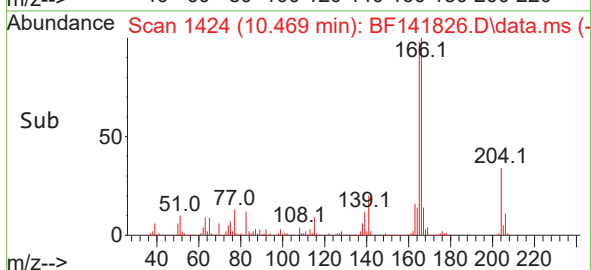
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

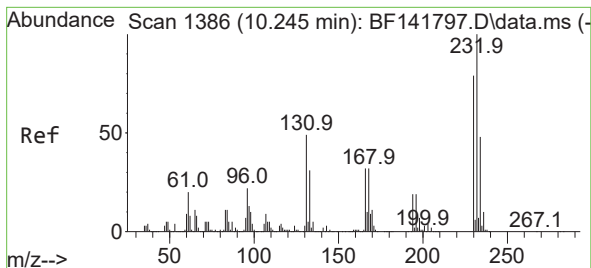


#58  
Fluorene  
Concen: 41.684 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



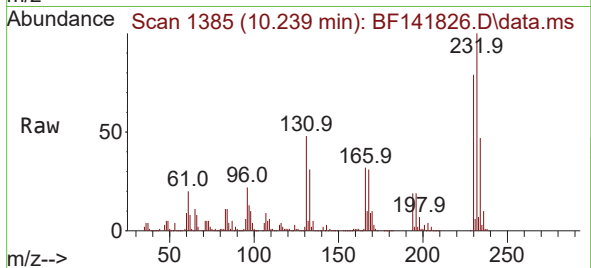
Tgt Ion:166 Resp: 1673154  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.6 117.8  
167 13.7 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.576 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

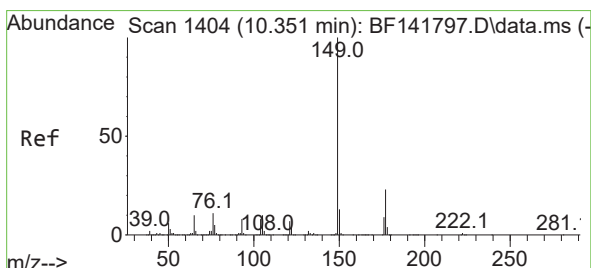
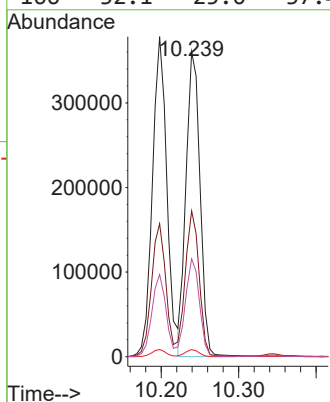
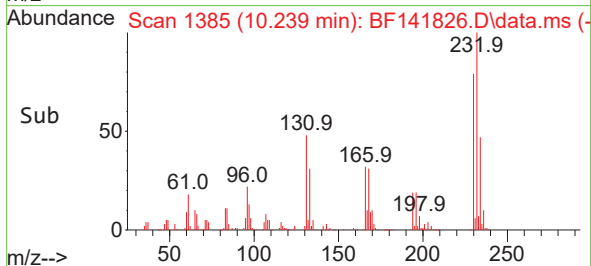
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:232 Resp: 453528  
Ion Ratio Lower Upper  
232 100  
131 47.7 37.8 56.8  
130 2.3 2.0 3.0  
166 32.1 25.0 37.4

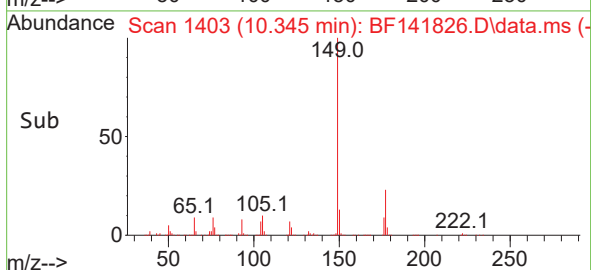
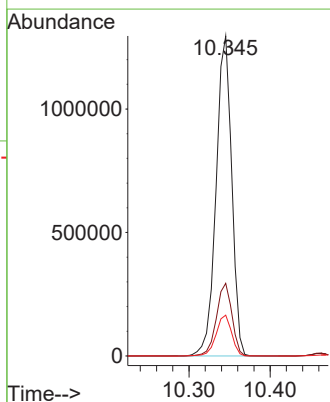
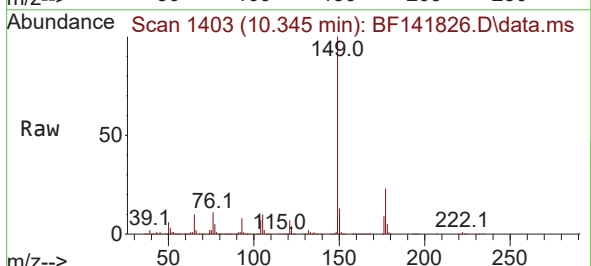
Manual Integrations  
APPROVED

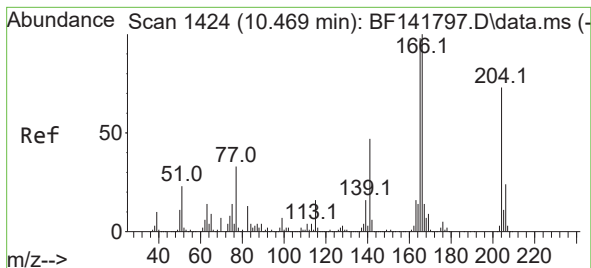
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#60  
Diethylphthalate  
Concen: 39.920 ng  
RT: 10.345 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:149 Resp: 1736070  
Ion Ratio Lower Upper  
149 100  
177 22.7 18.3 27.5  
150 12.7 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 40.795 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

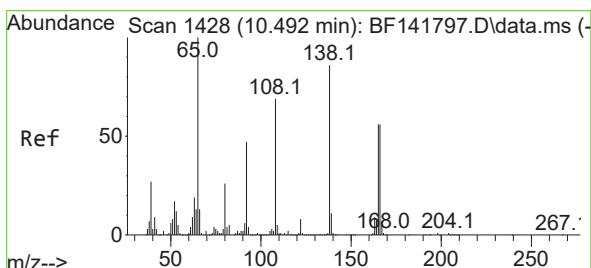
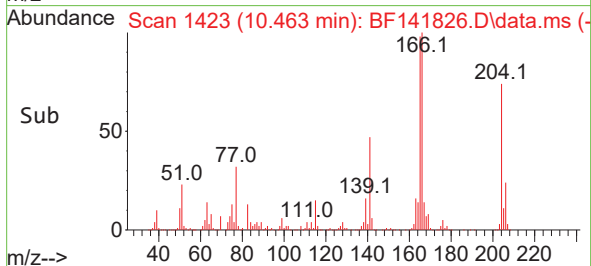
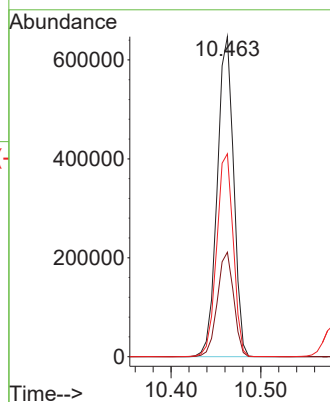
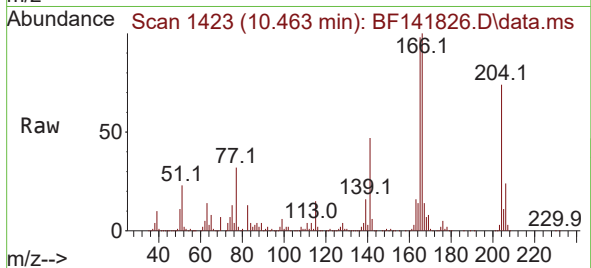
PB166957BS

Tgt Ion:204 Resp: 820428  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.2 39.4  
141 63.4 51.7 77.5

Manual Integrations

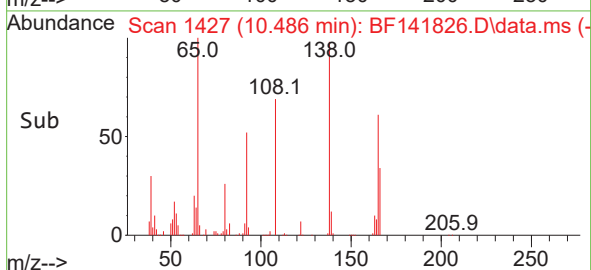
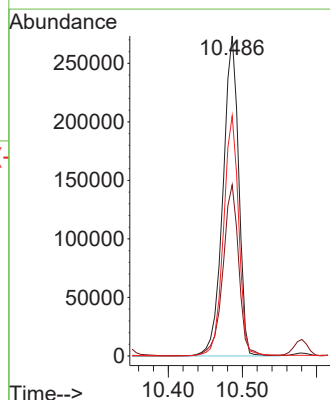
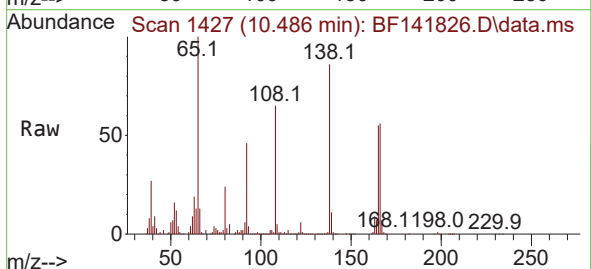
APPROVED

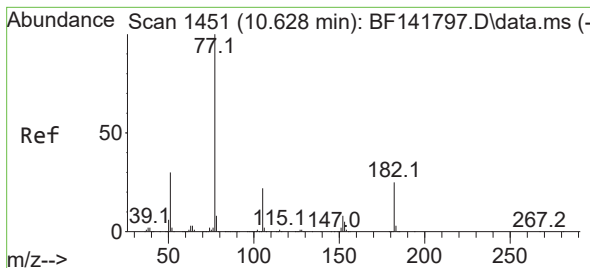
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#62  
4-Nitroaniline  
Concen: 54.340 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

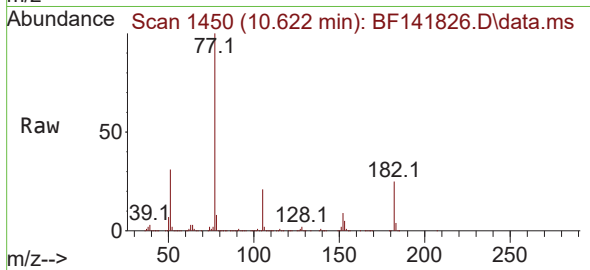
Tgt Ion:138 Resp: 402567  
Ion Ratio Lower Upper  
138 100  
92 53.5 34.9 74.9  
108 75.0 59.6 99.6





#63  
Azobenzene  
Concen: 39.271 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

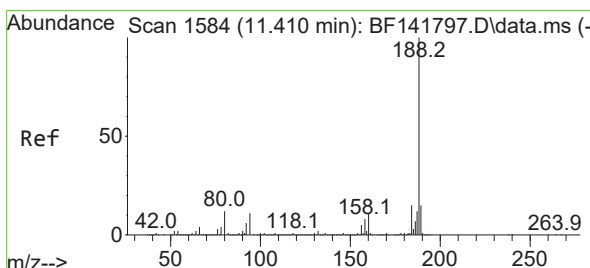
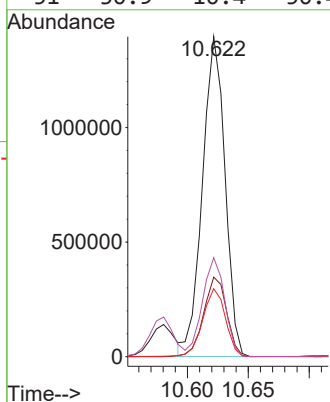
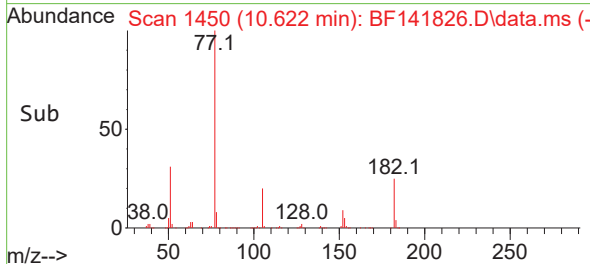
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion: 77 Resp: 179821  
Ion Ratio Lower Upper  
77 100  
182 24.8 4.2 44.2  
105 21.3 1.5 41.5  
51 30.9 10.4 50.4

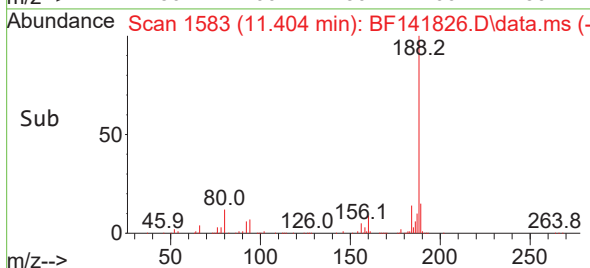
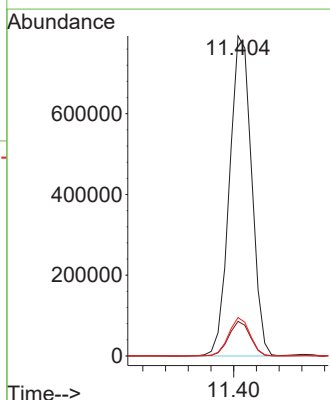
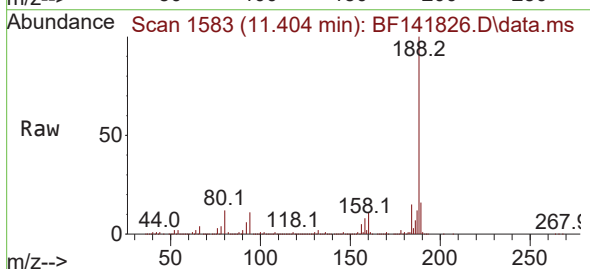
Manual Integrations  
APPROVED

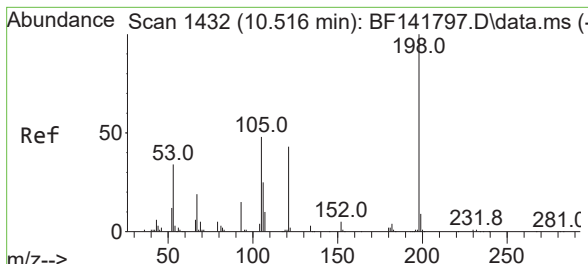
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

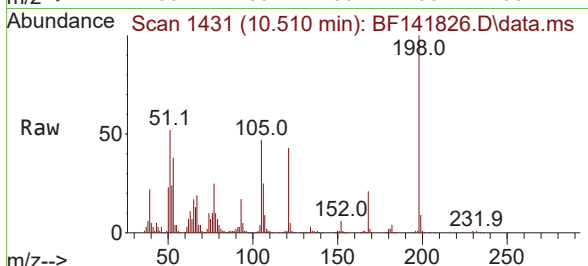
Tgt Ion:188 Resp: 1070678  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.9 13.3  
80 12.0 9.7 14.5





#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 49.545 ng  
 RT: 10.510 min Scan# 1431  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

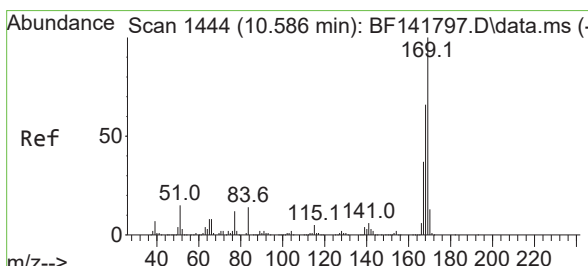
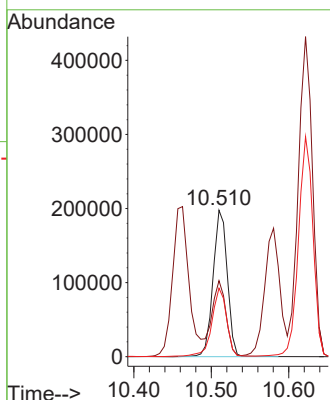
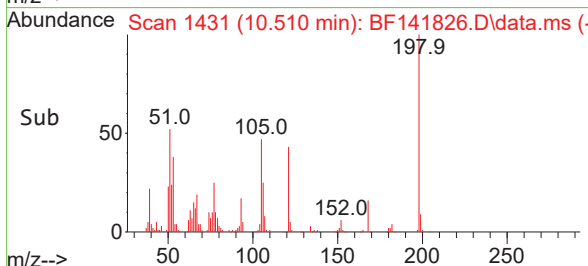
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 198   | Resp: | 251389 |
| Ion      | Ratio | Lower | Upper  |
| 198      | 100   |       |        |
| 51       | 51.9  | 32.1  | 72.1   |
| 105      | 46.8  | 28.5  | 68.5   |

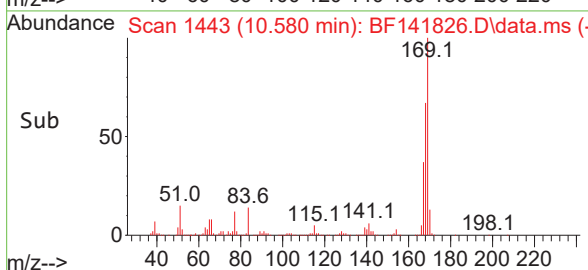
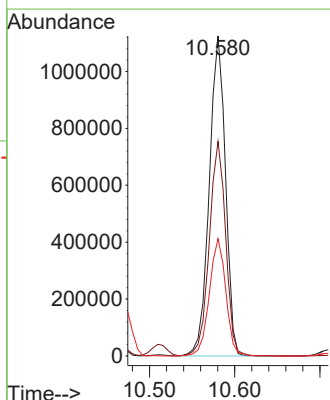
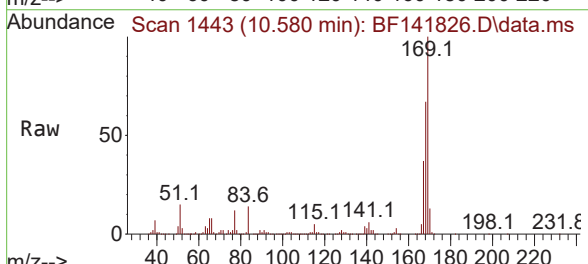
Manual Integrations  
 APPROVED

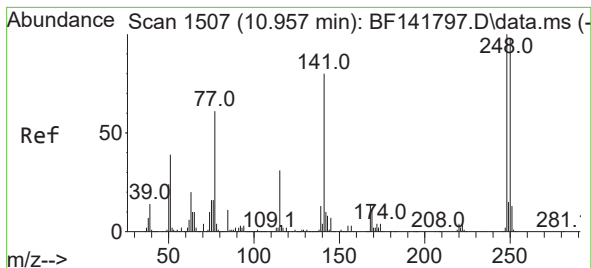
Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025



#66  
 n-Nitrosodiphenylamine  
 Concen: 42.175 ng  
 RT: 10.580 min Scan# 1443  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

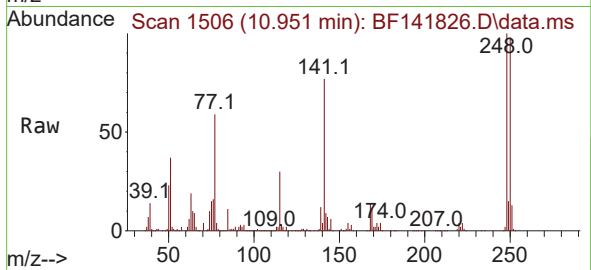
|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 169   | Resp: | 1482764 |
| Ion      | Ratio | Lower | Upper   |
| 169      | 100   |       |         |
| 168      | 67.0  | 53.0  | 79.6    |
| 167      | 36.6  | 29.3  | 43.9    |





#67  
4-Bromophenyl-phenylether  
Concen: 41.658 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

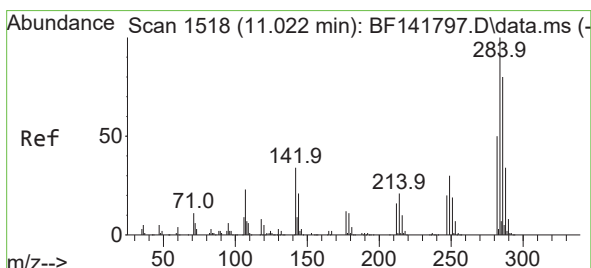
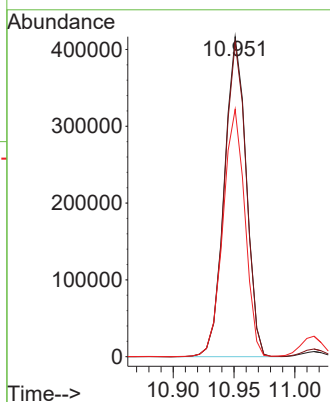
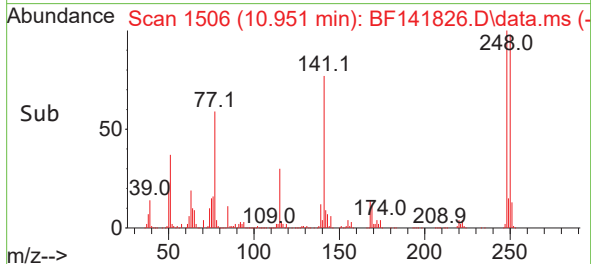
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:248 Resp: 52097  
Ion Ratio Lower Upper  
248 100  
250 98.2 78.1 117.1  
141 77.3 64.3 96.5

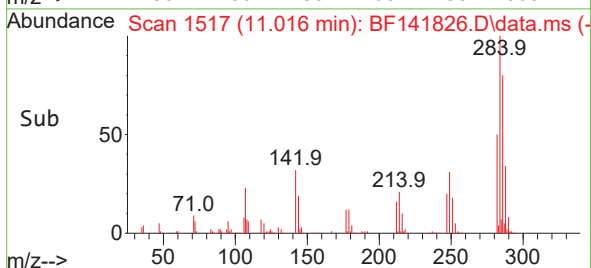
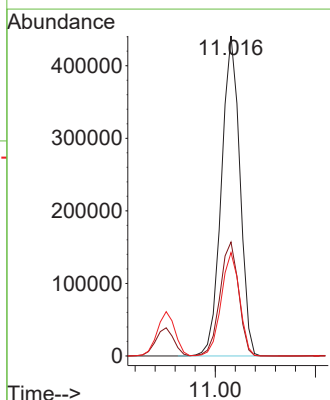
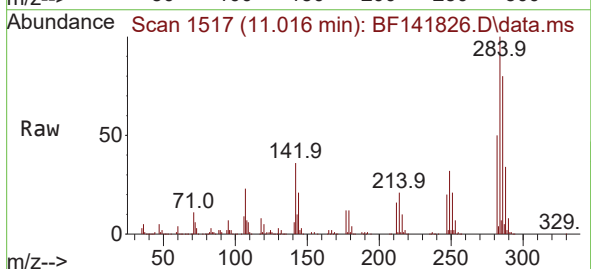
Manual Integrations  
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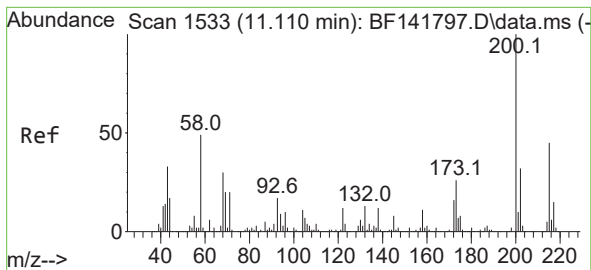
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#68  
Hexachlorobenzene  
Concen: 42.558 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:284 Resp: 562016  
Ion Ratio Lower Upper  
284 100  
142 35.6 28.2 42.2  
249 32.3 25.5 38.3





#69

Atrazine

Concen: 58.020 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

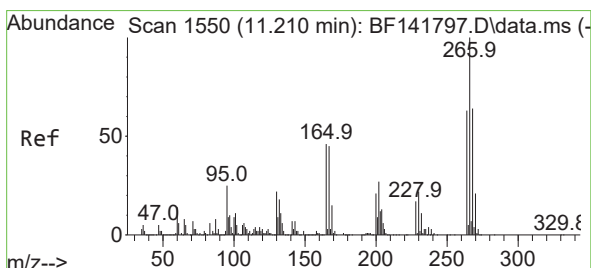
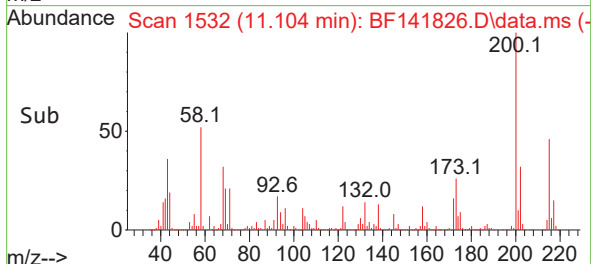
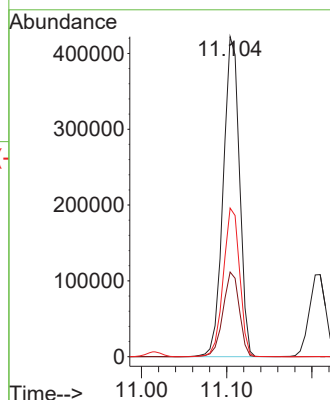
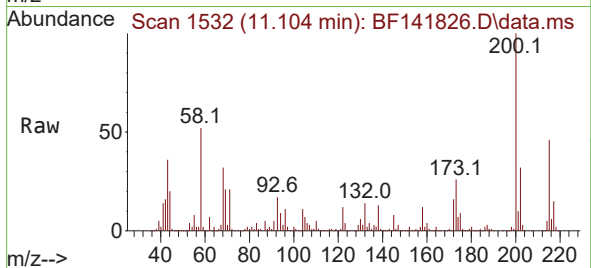
PB166957BS

Tgt Ion:200 Resp: 56094  
 Ion Ratio Lower Upper  
 200 100  
 173 26.5 5.6 45.6  
 215 46.4 25.3 65.3

Manual Integrations

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Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025



#70

Pentachlorophenol

Concen: 87.240 ng

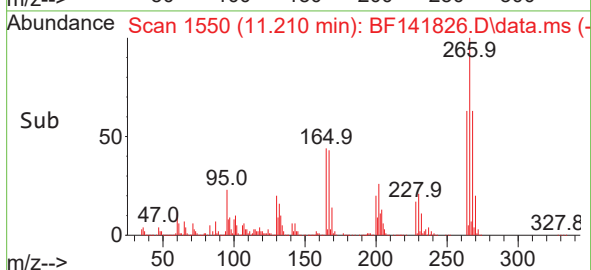
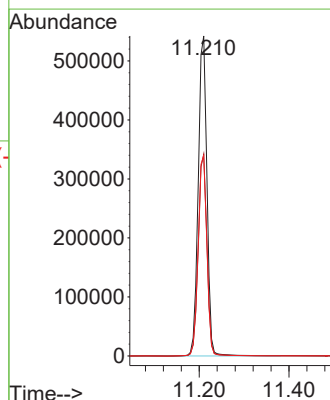
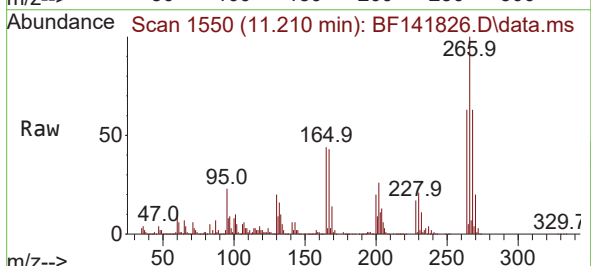
RT: 11.210 min Scan# 1550

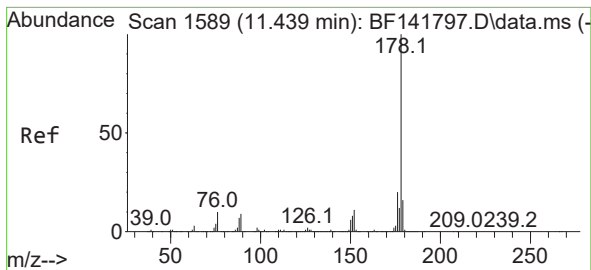
Delta R.T. -0.000 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

Tgt Ion:266 Resp: 730696  
 Ion Ratio Lower Upper  
 266 100  
 268 63.0 50.9 76.3  
 264 62.7 50.2 75.4





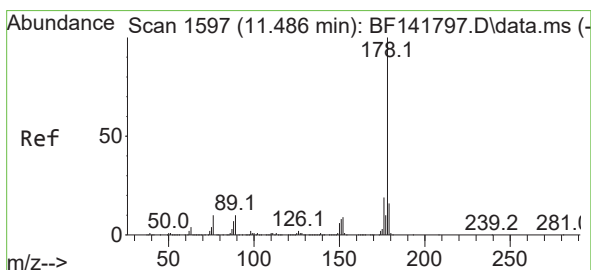
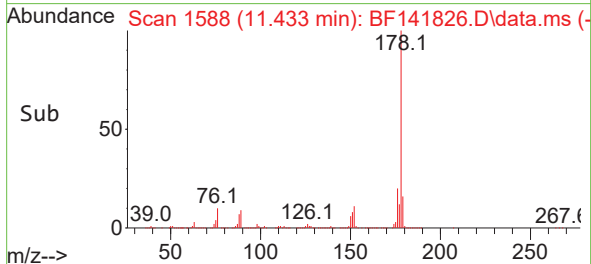
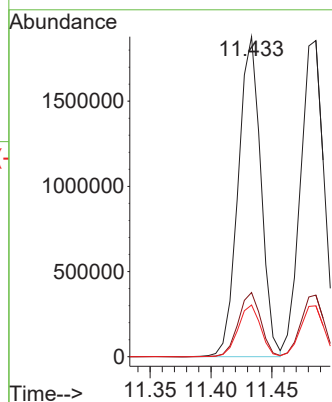
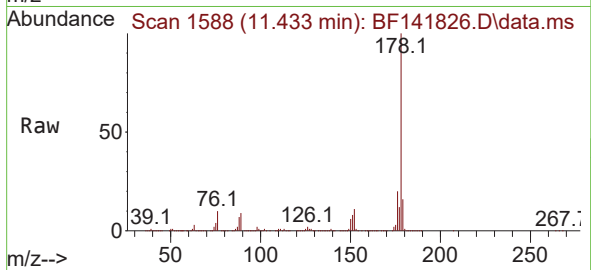
#71  
Phenanthrene  
Concen: 42.534 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:178 Resp: 2435929  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.0 24.0  
179 16.2 12.6 19.0

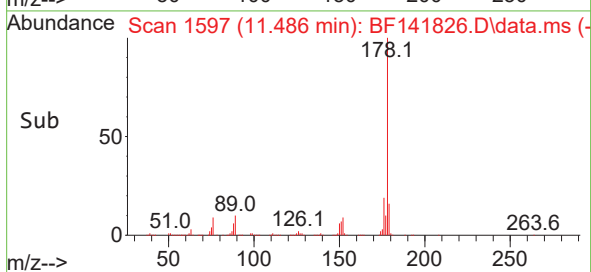
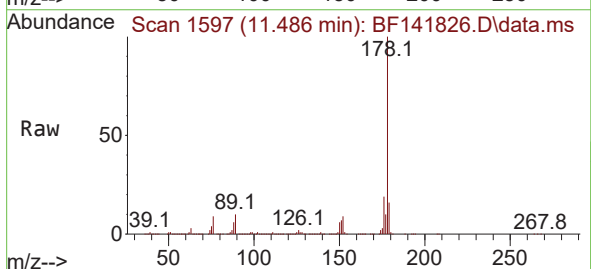
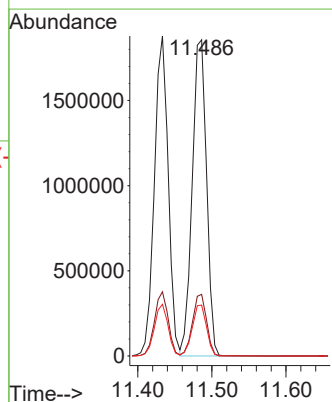
Manual Integrations  
APPROVED

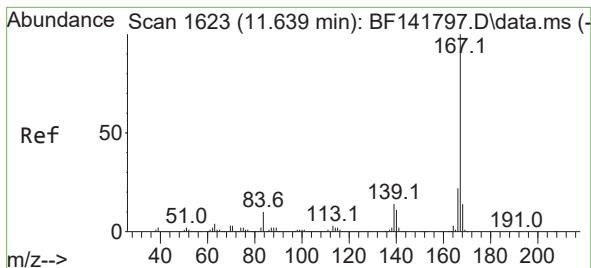
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#72  
Anthracene  
Concen: 43.327 ng  
RT: 11.486 min Scan# 1597  
Delta R.T. -0.000 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

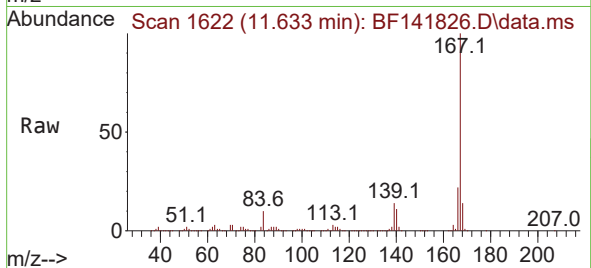
Tgt Ion:178 Resp: 2486891  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.0  
179 16.1 12.8 19.2





#73  
 Carbazole  
 Concen: 43.660 ng  
 RT: 11.633 min Scan# 1622  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44

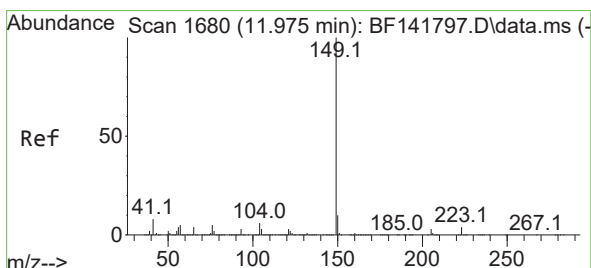
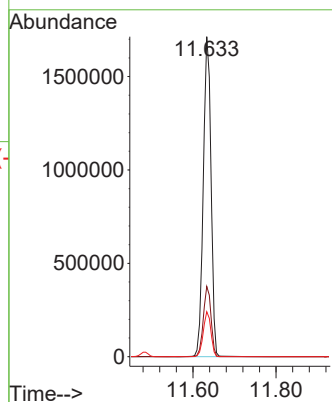
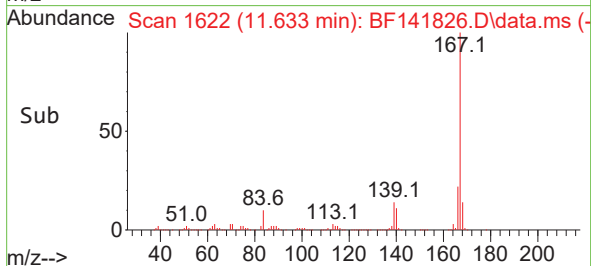
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166957BS



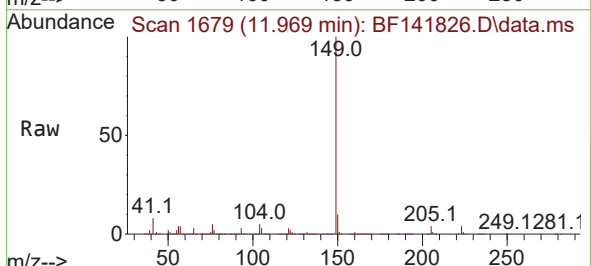
Tgt Ion:167 Resp: 221299  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.5 26.3  
 139 14.1 11.3 16.9

Manual Integrations  
 APPROVED

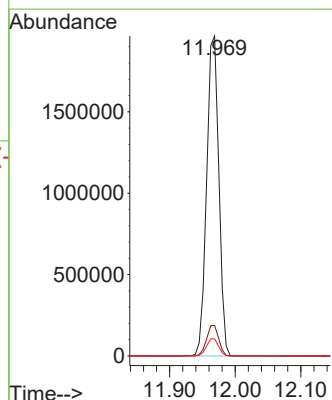
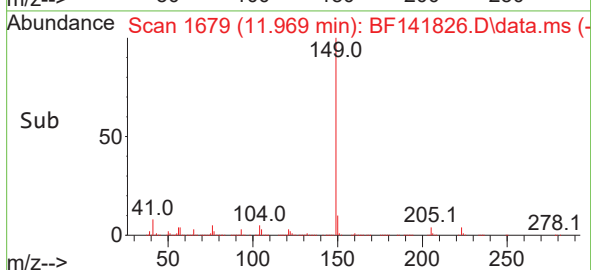
Reviewed By :Anahy Claudio 03/05/2025  
 Supervised By :Jagrut Upadhyay 03/05/2025

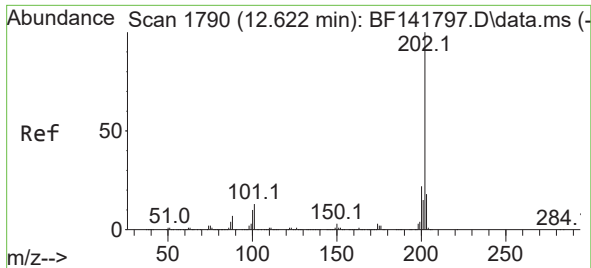


#74  
 Di-n-butylphthalate  
 Concen: 39.584 ng  
 RT: 11.969 min Scan# 1679  
 Delta R.T. -0.006 min  
 Lab File: BF141826.D  
 Acq: 04 Mar 2025 14:44



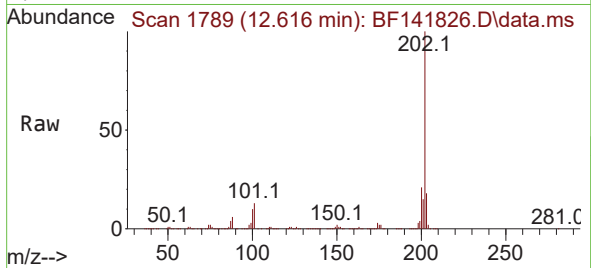
Tgt Ion:149 Resp: 2543275  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.7 11.5  
 104 5.4 4.4 6.6





#75  
Fluoranthene  
Concen: 43.036 ng  
RT: 12.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

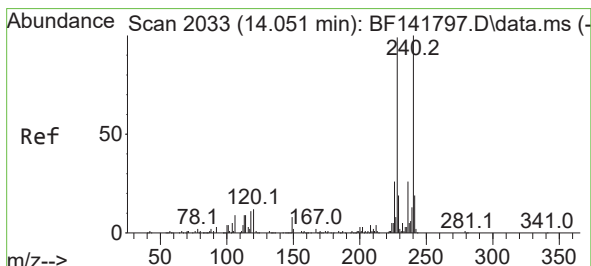
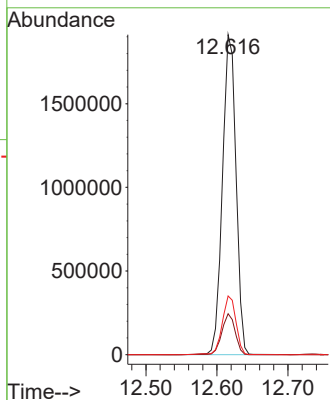
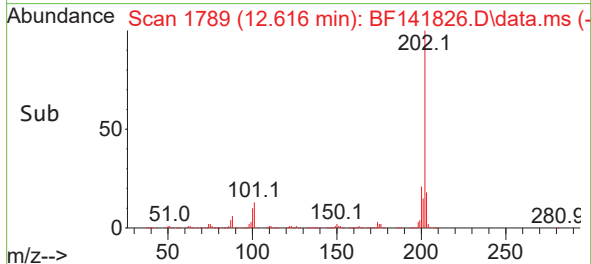
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:202 Resp: 252546  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 32.8  
203 18.4 0.0 38.0

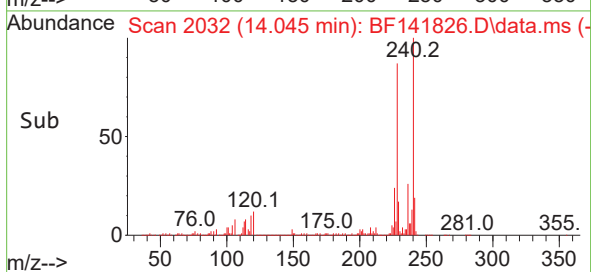
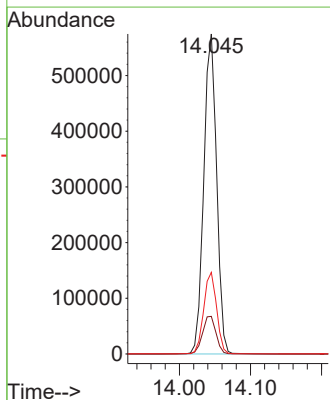
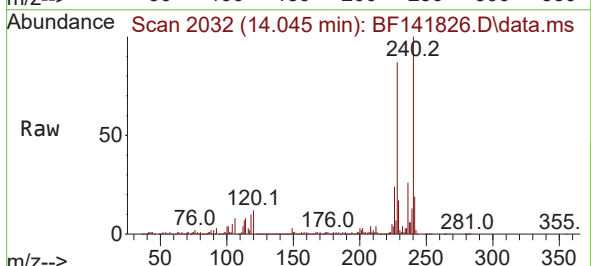
Manual Integrations  
APPROVED

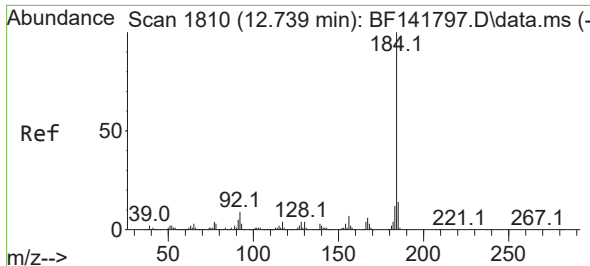
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

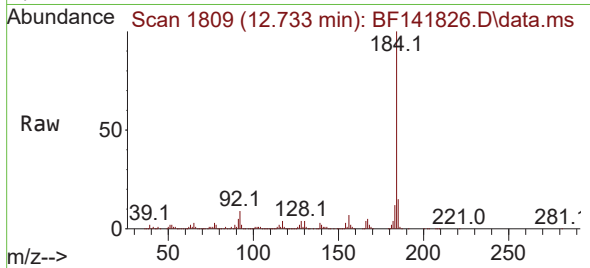
Tgt Ion:240 Resp: 723159  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.7 14.5  
236 25.5 21.0 31.4





#77  
Benzidine  
Concen: 91.311 ng  
RT: 12.733 min Scan# 1809  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

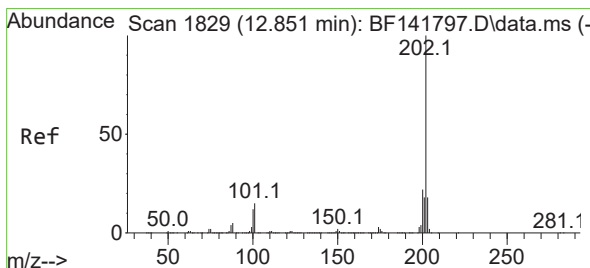
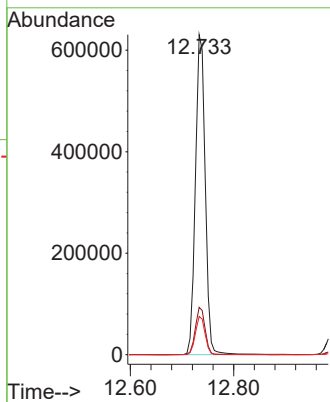
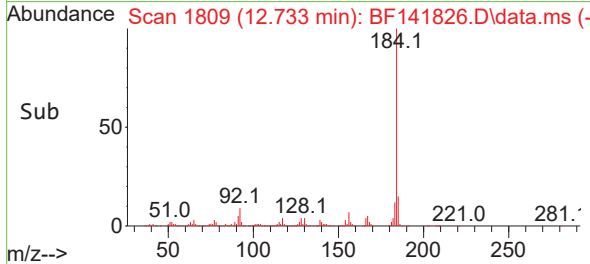
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



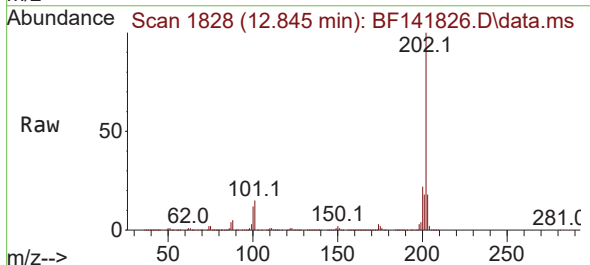
Tgt Ion:184 Resp: 831114  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.6 17.4  
183 11.9 9.4 14.0

Manual Integrations  
APPROVED

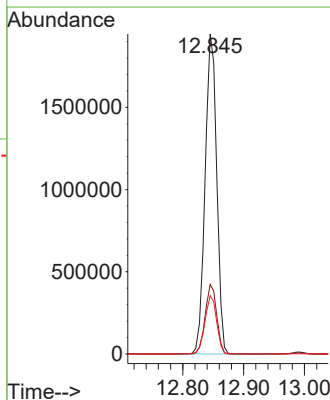
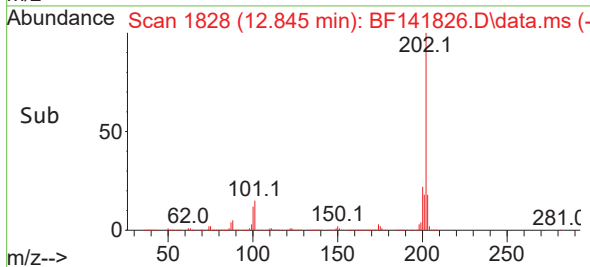
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025

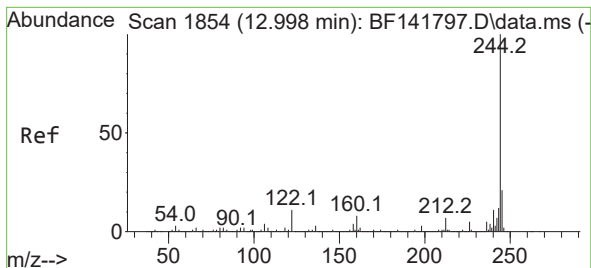


#78  
Pyrene  
Concen: 41.100 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



Tgt Ion:202 Resp: 2573723  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.4 26.0  
203 18.2 14.6 22.0





#79

Terphenyl-d14

Concen: 89.069 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.006 min

Lab File: BF141826.D

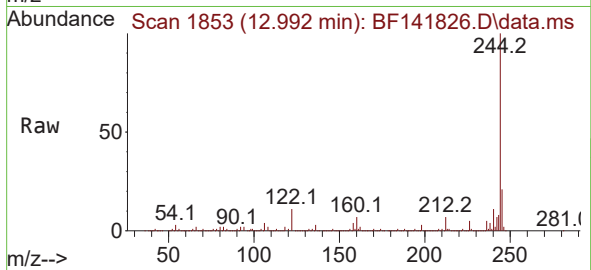
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS



Tgt Ion:244 Resp: 398112

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

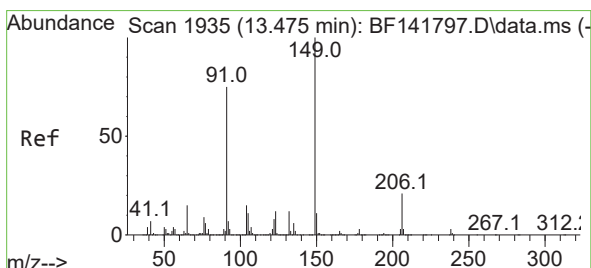
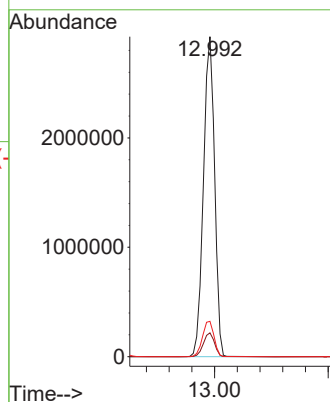
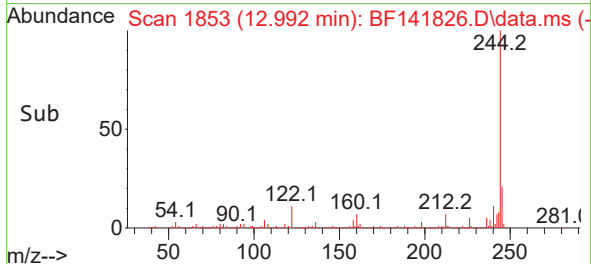
122 11.0 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/05/2025

Supervised By :Jagrut Upadhyay 03/05/2025



#80

Butylbenzylphthalate

Concen: 44.108 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141826.D

Acq: 04 Mar 2025 14:44

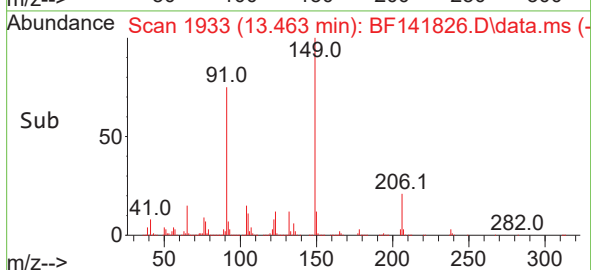
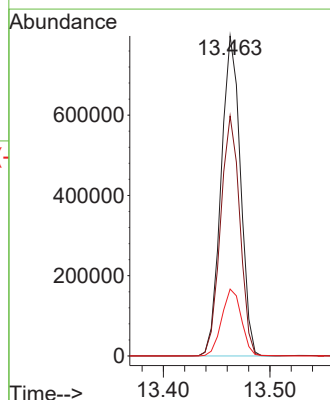
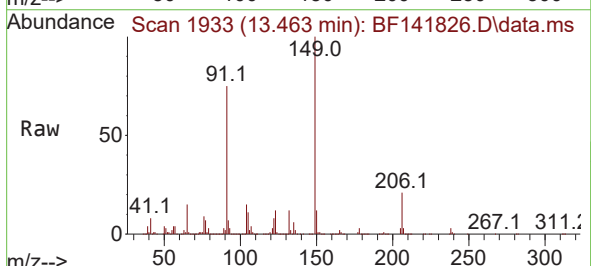
Tgt Ion:149 Resp: 1003521

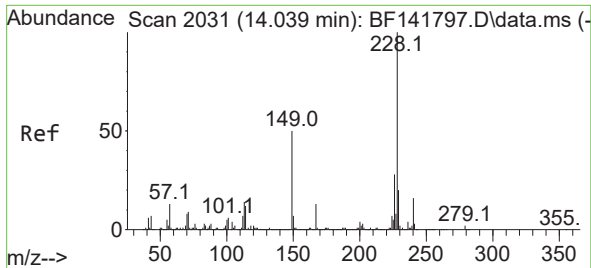
Ion Ratio Lower Upper

149 100

91 75.0 60.1 90.1

206 20.9 16.8 25.2





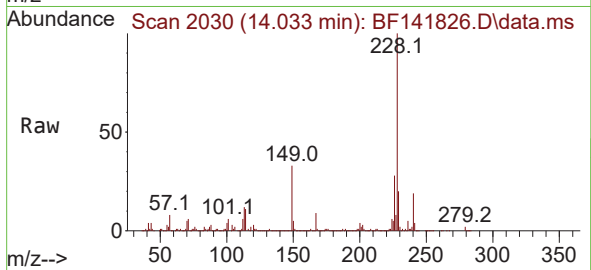
#81  
Benzo(a)anthracene  
Concen: 41.820 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

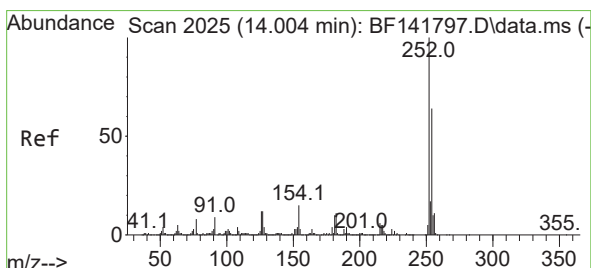
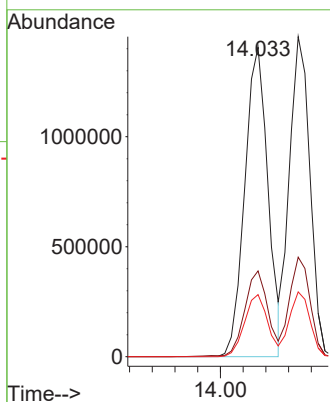
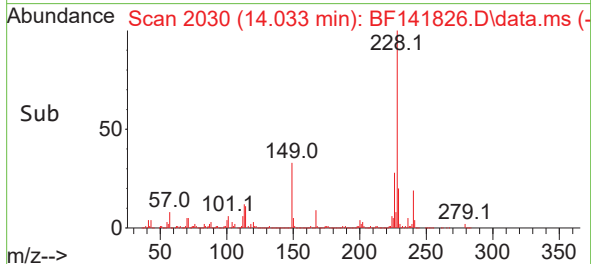


Tgt Ion:228 Resp: 1997580  
Ion Ratio Lower Upper  
228 100  
226 27.7 22.1 33.1  
229 20.1 16.1 24.1

Manual Integrations

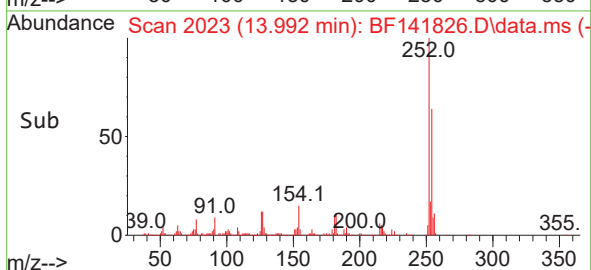
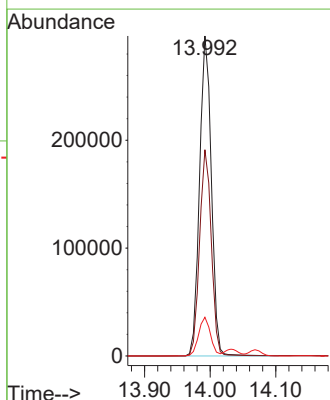
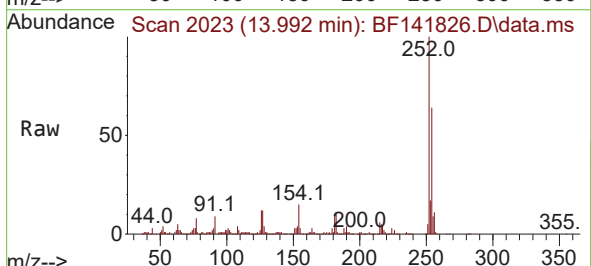
APPROVED

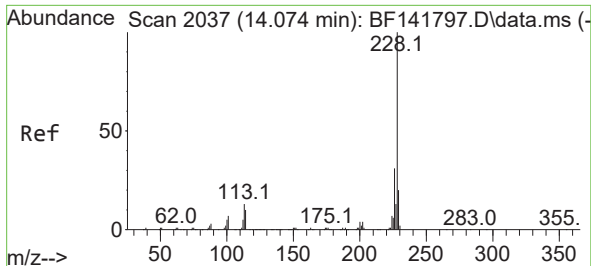
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#82  
3,3'-Dichlorobenzidine  
Concen: 27.161 ng  
RT: 13.992 min Scan# 2023  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

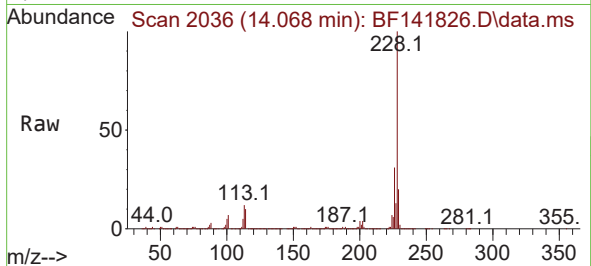
Tgt Ion:252 Resp: 372226  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.4 77.0  
126 12.1 9.8 14.6





#83  
Chrysene  
Concen: 41.457 ng  
RT: 14.068 min Scan# 2036  
Delta R.T. -0.006 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

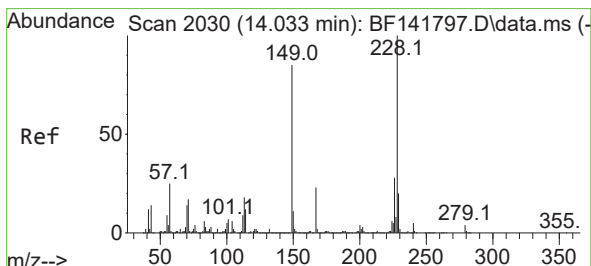
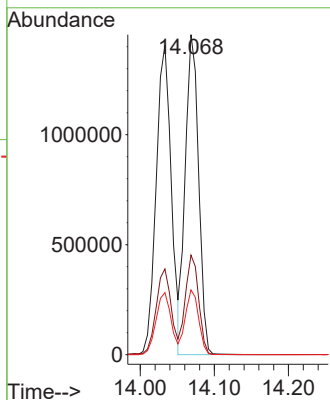
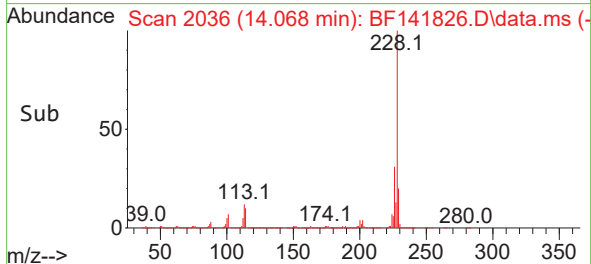
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:228 Resp: 1825435  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 37.0  
229 20.3 16.1 24.1

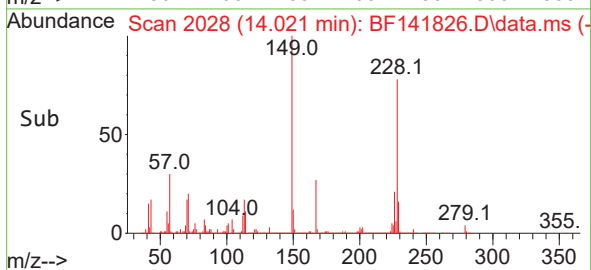
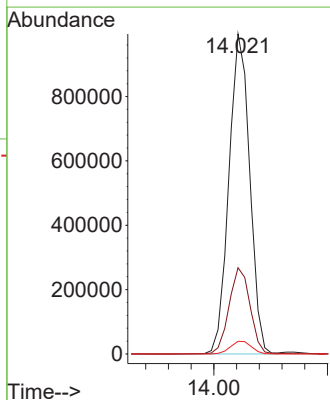
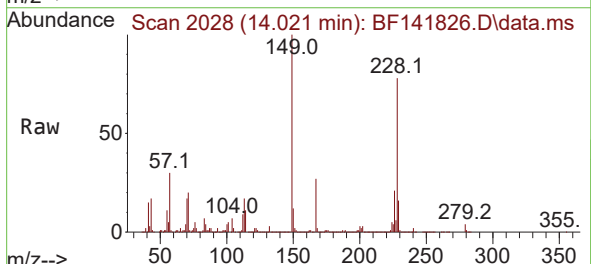
Manual Integrations  
APPROVED

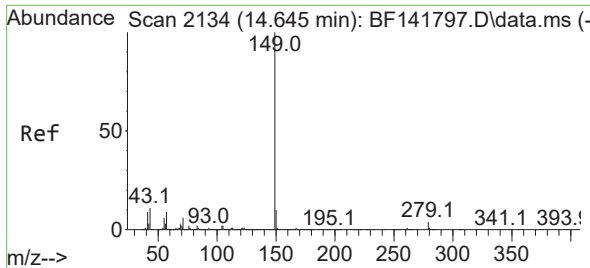
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.606 ng  
RT: 14.021 min Scan# 2028  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

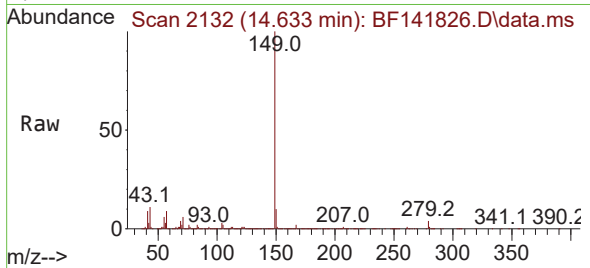
Tgt Ion:149 Resp: 1263650  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.2 31.8  
279 3.9 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 43.441 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

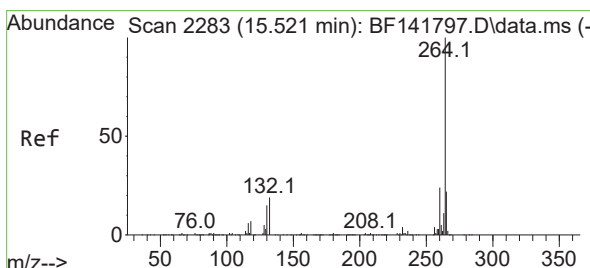
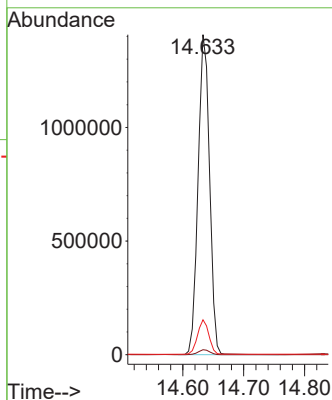
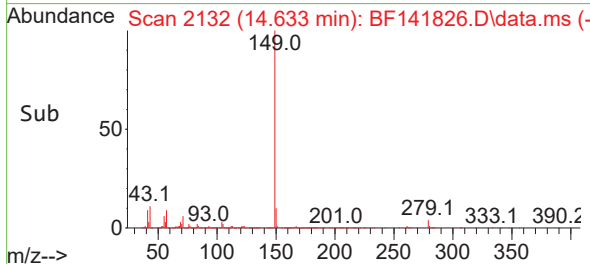
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



Tgt Ion:149 Resp: 1842435  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.7 8.6 12.8

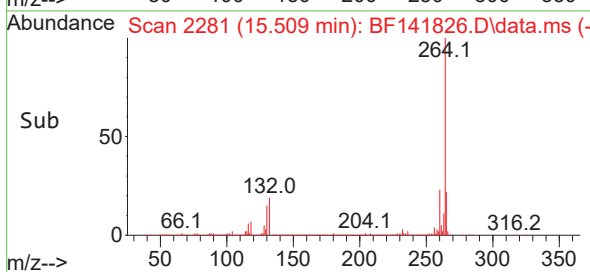
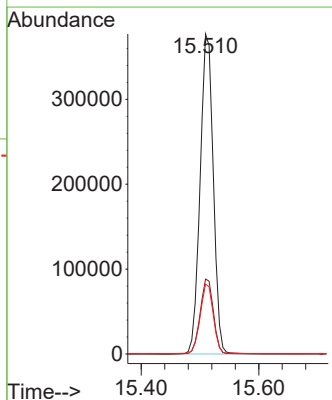
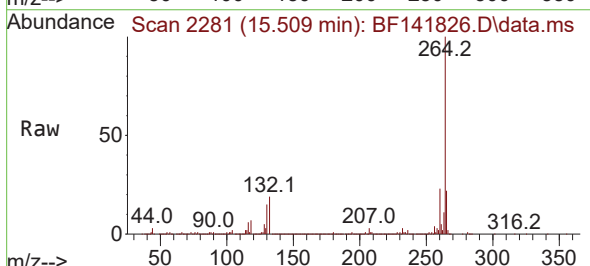
Manual Integrations  
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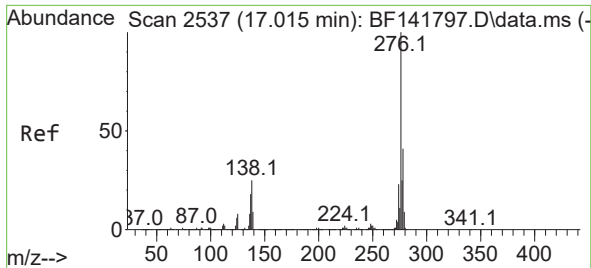
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.509 min Scan# 2281  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:264 Resp: 587091  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.9 28.3  
265 21.8 17.4 26.0





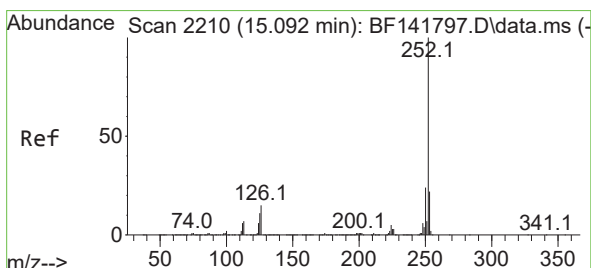
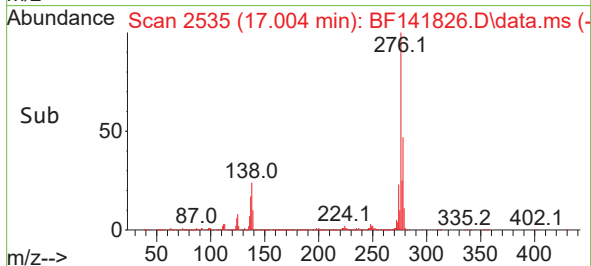
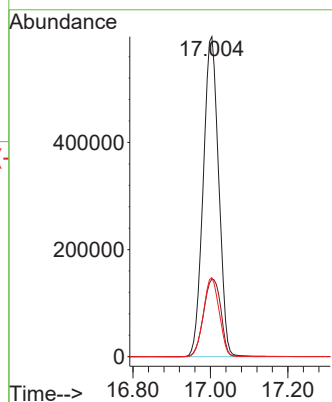
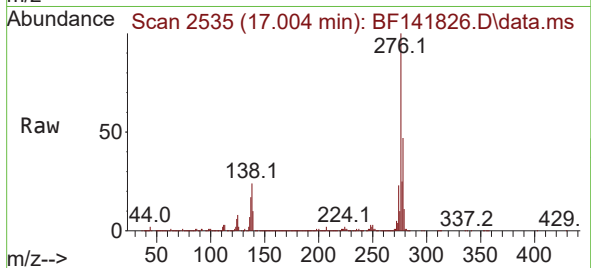
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 44.250 ng  
RT: 17.004 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS

Tgt Ion:276 Resp: 1654234  
Ion Ratio Lower Upper  
276 100  
138 27.0 22.5 33.7  
277 25.2 20.3 30.5

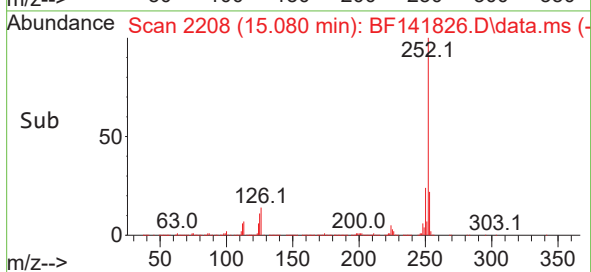
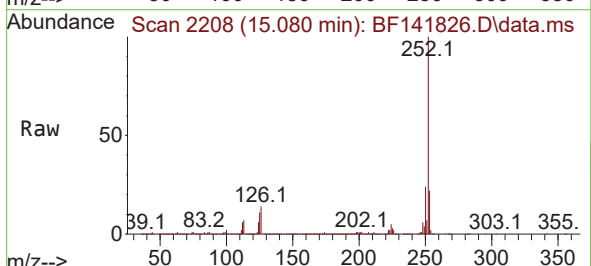
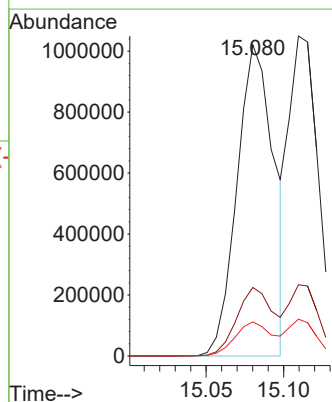
Manual Integrations  
APPROVED

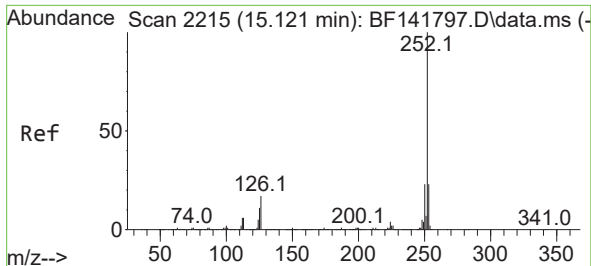
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#88  
Benzo(b)fluoranthene  
Concen: 42.194 ng  
RT: 15.080 min Scan# 2208  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Tgt Ion:252 Resp: 1687386  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.7 26.5  
125 11.0 8.6 13.0





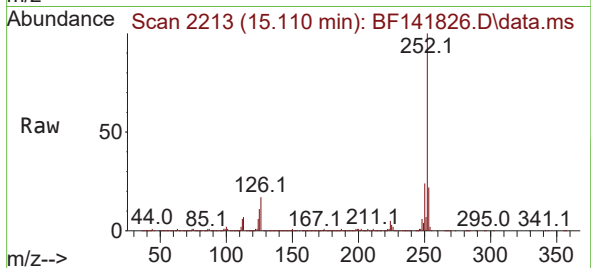
#89  
Benzo(k)fluoranthene  
Concen: 40.603 ng  
RT: 15.110 min Scan# 2110  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

Instrument :

BNA\_F

ClientSampleId :

PB166957BS

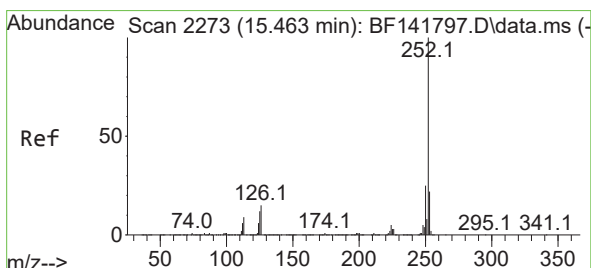
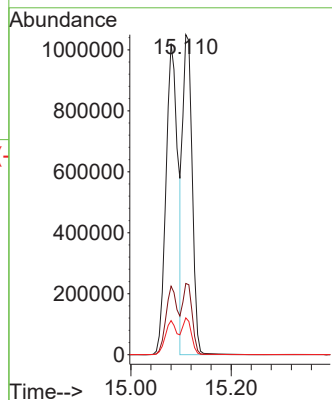
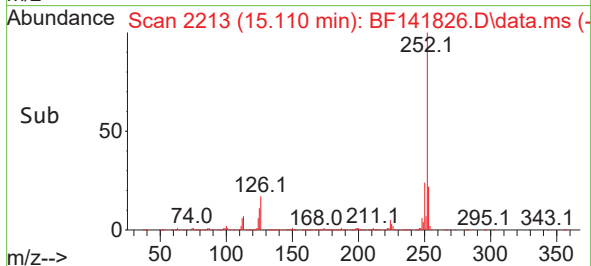


Tgt Ion:252 Resp: 1380109  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.8  
125 11.5 8.8 13.2

Manual Integrations

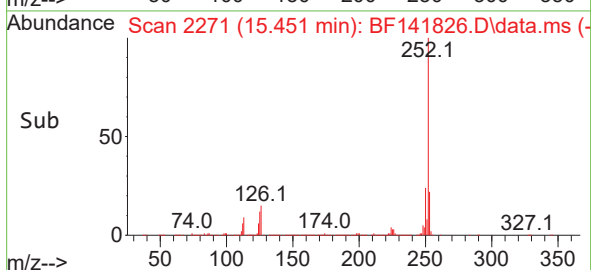
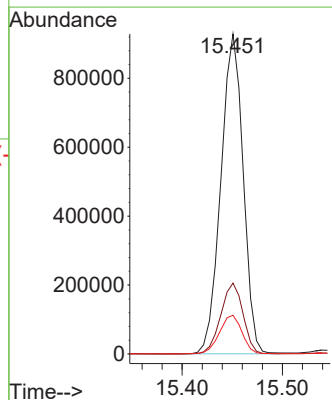
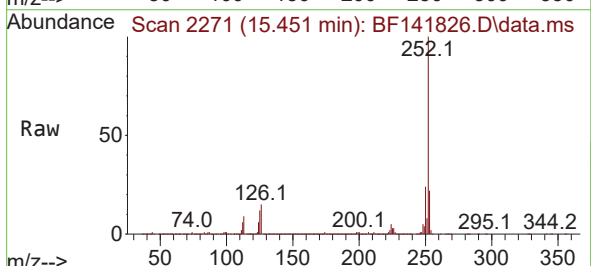
APPROVED

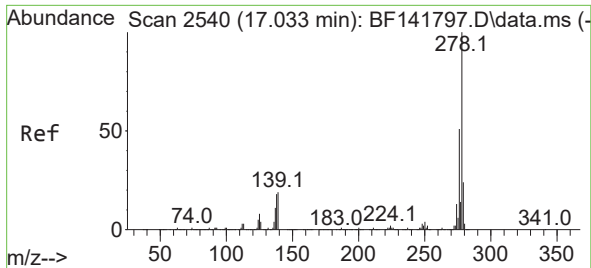
Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#90  
Benzo(a)pyrene  
Concen: 44.664 ng  
RT: 15.451 min Scan# 2271  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

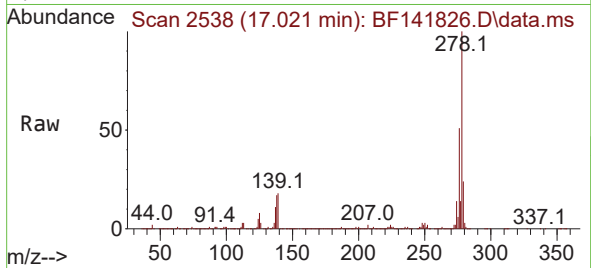
Tgt Ion:252 Resp: 1432461  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.5 26.3  
125 12.1 9.4 14.2





#91  
Dibenzo(a,h)anthracene  
Concen: 43.159 ng  
RT: 17.021 min Scan# 211  
Delta R.T. -0.012 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44

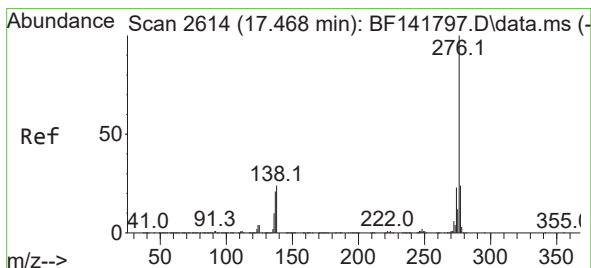
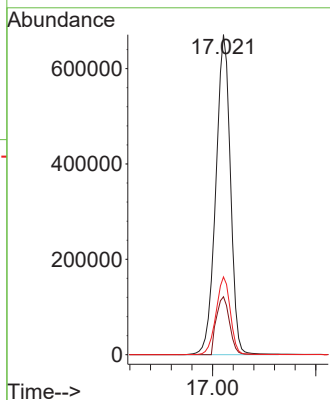
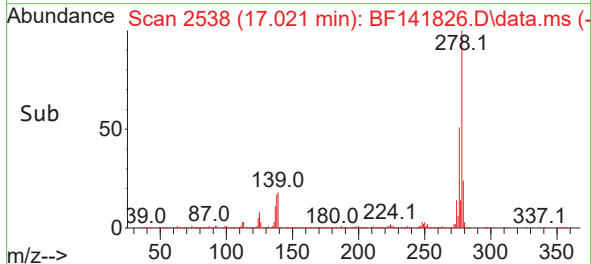
Instrument :  
BNA\_F  
ClientSampleId :  
PB166957BS



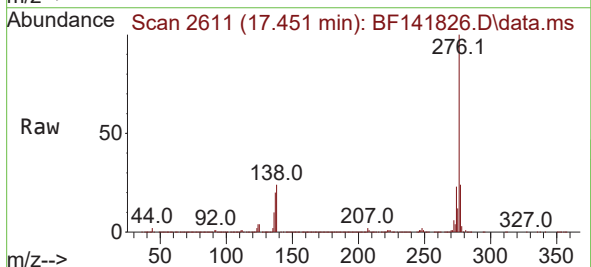
Tgt Ion:278 Resp: 1316988  
Ion Ratio Lower Upper  
278 100  
139 18.1 14.9 22.3  
279 24.3 19.3 28.9

Manual Integrations  
APPROVED

Reviewed By :Anahy Claudio 03/05/2025  
Supervised By :Jagrut Upadhyay 03/05/2025



#92  
Benzo(g,h,i)perylene  
Concen: 41.312 ng  
RT: 17.451 min Scan# 2611  
Delta R.T. -0.018 min  
Lab File: BF141826.D  
Acq: 04 Mar 2025 14:44



Tgt Ion:276 Resp: 1291482  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.4 29.0  
138 24.0 19.3 28.9

