

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052325\  
 Data File : BF142531.D  
 Acq On : 23 May 2025 13:12  
 Operator : RC/JU  
 Sample : Q2100-04MS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-45MS

Quant Time: May 23 13:39:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/27/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 126551   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 479831   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 253217   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.428 | 188  | 418845   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.069 | 240  | 224873   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.563 | 264  | 247916   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 704635   | 93.807  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.522  | 99   | 887022   | 98.099  | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 529950   | 60.224  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 286579   | 101.971 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 1081815  | 57.328  | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.010 | 244  | 928535   | 56.427  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 103216   | 34.339  | ng    | 99       |
| 3) Pyridine                   | 3.493  | 79   | 284645   | 37.187  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 165626   | 41.674  | ng    | 96       |
| 6) Aniline                    | 6.563  | 93   | 410799   | 33.789  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.681  | 128  | 344650   | 42.125  | ng    | 98       |
| 9) Benzaldehyde               | 6.445  | 77   | 206235   | 37.921  | ng    | 98       |
| 10) Phenol                    | 6.540  | 94   | 421804   | 41.458  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 303451   | 41.433  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.840  | 146  | 369527   | 40.476  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.916  | 146  | 371139   | 40.357  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 359344   | 40.836  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.040  | 79   | 281673   | 42.153  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 506866   | 41.211  | ng    | 99       |
| 17) 2-Methylphenol            | 7.145  | 107  | 266587   | 41.734  | ng    | 99       |
| 18) Hexachloroethane          | 7.410  | 117  | 130566   | 40.660  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 226470   | 40.413  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 328561   | 40.166  | ng    | # 90     |
| 22) Acetophenone              | 7.310  | 105  | 442818   | 41.689  | ng    | 99       |
| 24) Nitrobenzene              | 7.481  | 77   | 338446   | 42.645  | ng    | 98       |
| 25) Isophorone                | 7.722  | 82   | 607573   | 41.297  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.798  | 139  | 185622   | 43.771  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.834  | 122  | 318621   | 42.605  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 379961   | 41.343  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.039  | 162  | 286157   | 42.075  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 307585   | 41.672  | ng    | 98       |
| 31) Naphthalene               | 8.204  | 128  | 976314   | 41.323  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 220667   | 48.473  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 156215   | 16.317  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 189081   | 41.027  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 89321m   | 46.761  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.728  | 107  | 292388   | 41.949  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 600475   | 40.398  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 621886   | 40.448  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 307313   | 42.278  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 407295   | 83.063  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.169  | 196  | 214558   | 43.774  | ng    | 97       |

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 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/27/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.210  | 196  | 215965   | 41.778  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 822660   | 41.876  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 604422   | 41.643  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.481  | 65   | 178733   | 42.603  | ng    | 98       |
| 49) Acenaphthylene            | 9.804  | 152  | 1017688  | 41.523  | ng    | 100      |
| 50) Dimethylphthalate         | 9.663  | 163  | 708873   | 42.427  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 155634   | 43.158  | ng    | 99       |
| 52) Acenaphthene              | 9.975  | 154  | 684906   | 45.765  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.886  | 138  | 98207    | 24.934  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.998  | 184  | 189583   | 101.759 | ng    | 93       |
| 55) Dibenzofuran              | 10.145 | 168  | 887997   | 41.233  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.051 | 139  | 258869   | 89.074  | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.128 | 165  | 207938   | 44.153  | ng    | 99       |
| 58) Fluorene                  | 10.486 | 166  | 684012   | 41.113  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232  | 185384   | 42.958  | ng    | 100      |
| 60) Diethylphthalate          | 10.363 | 149  | 686074   | 42.044  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 331634   | 40.576  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 156171   | 43.718  | ng    | 98       |
| 63) Azobenzene                | 10.639 | 77   | 677666   | 46.237  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 115375   | 49.359  | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 597917   | 41.726  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248  | 203700   | 41.130  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.039 | 284  | 234968   | 42.896  | ng    | 97       |
| 69) Atrazine                  | 11.128 | 200  | 180822   | 47.516  | ng    | 100      |
| 70) Pentachlorophenol         | 11.228 | 266  | 273634   | 88.481  | ng    | 99       |
| 71) Phenanthrene              | 11.451 | 178  | 926575   | 41.395  | ng    | 99       |
| 72) Anthracene                | 11.504 | 178  | 957466   | 41.912  | ng    | 99       |
| 73) Carbazole                 | 11.657 | 167  | 833473   | 42.677  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 983355   | 46.001  | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 893614   | 42.725  | ng    | 98       |
| 77) Benzidine                 | 12.763 | 184  | 377825   | 45.150  | ng    | 99       |
| 78) Pyrene                    | 12.869 | 202  | 881393   | 42.016  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 300779   | 51.890  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 635634   | 42.330  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 136420   | 29.953  | ng    | 99       |
| 83) Chrysene                  | 14.098 | 228  | 602154   | 44.628  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 383963   | 51.745  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.657 | 149  | 618171   | 42.606  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.074 | 276  | 799361   | 42.949  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 683971   | 46.615  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 541354   | 39.392  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 610255   | 44.124  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 644627   | 42.704  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.533 | 276  | 650002   | 43.051  | ng    | 98       |

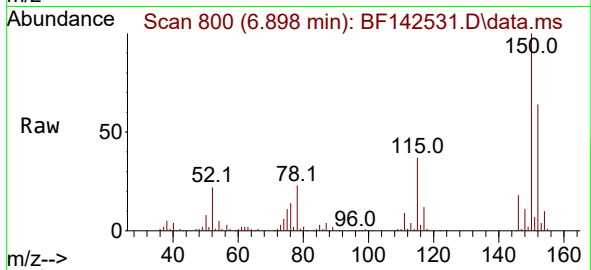
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

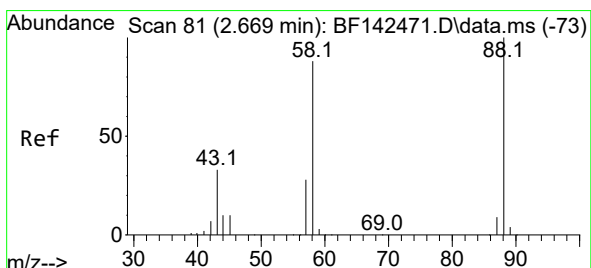
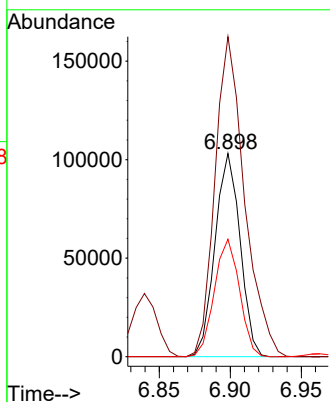
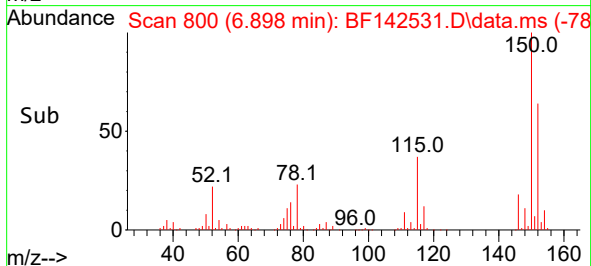
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:152 Resp: 12655  
Ion Ratio Lower Upper  
152 100  
150 157.4 128.2 192.4  
115 57.8 48.3 72.5

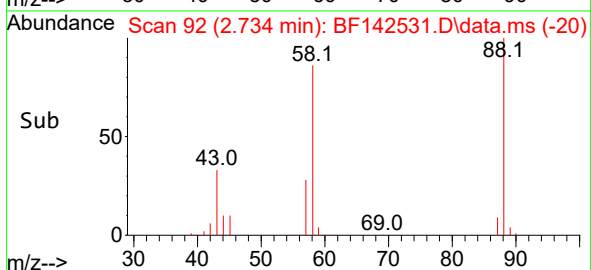
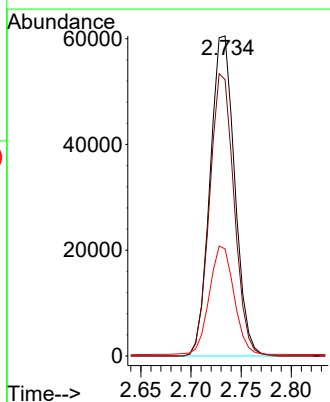
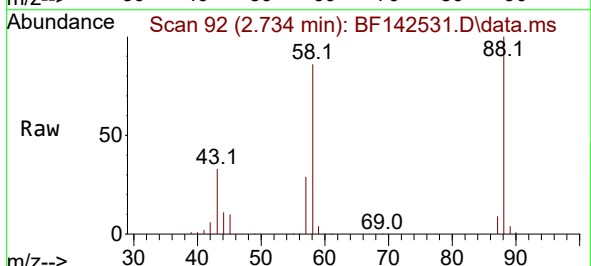
Manual Integrations  
APPROVED

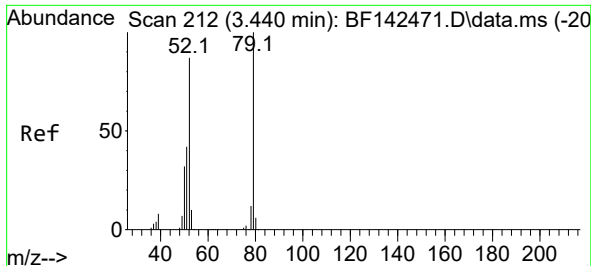
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#2  
1,4-Dioxane  
Concen: 34.339 ng  
RT: 2.734 min Scan# 92  
Delta R.T. 0.071 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

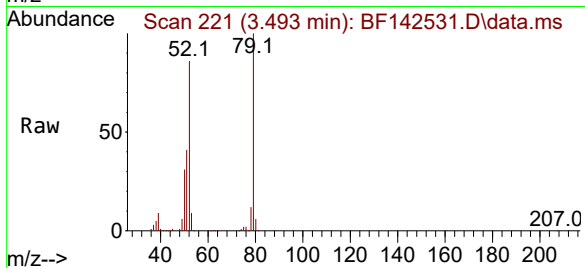
Tgt Ion: 88 Resp: 103216  
Ion Ratio Lower Upper  
88 100  
58 87.7 70.8 106.2  
43 35.0 26.6 40.0





#3  
Pyridine  
Concen: 37.187 ng  
RT: 3.493 min Scan# 212  
Delta R.T. 0.053 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

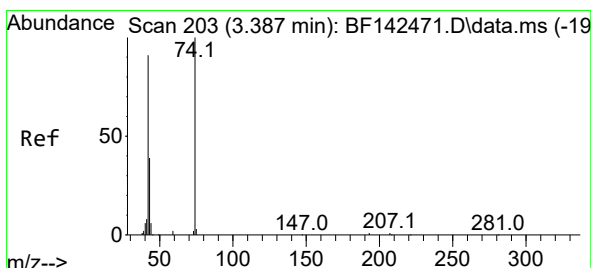
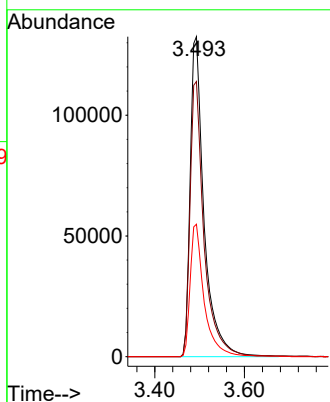
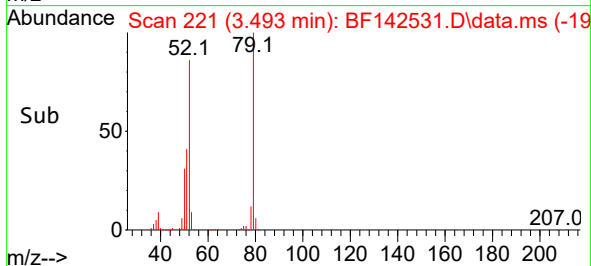
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



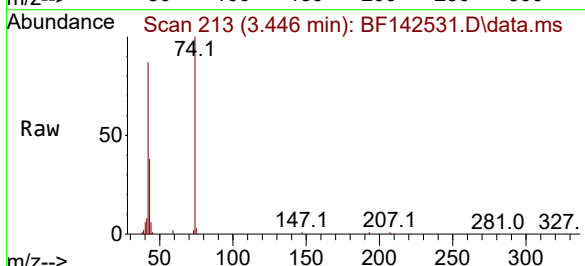
Tgt Ion: 79 Resp: 28464  
Ion Ratio Lower Upper  
79 100  
52 86.0 69.2 103.8  
51 41.4 33.3 49.9

Manual Integrations  
APPROVED

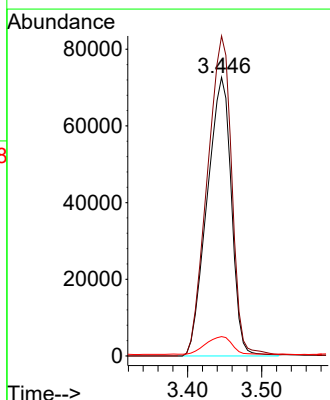
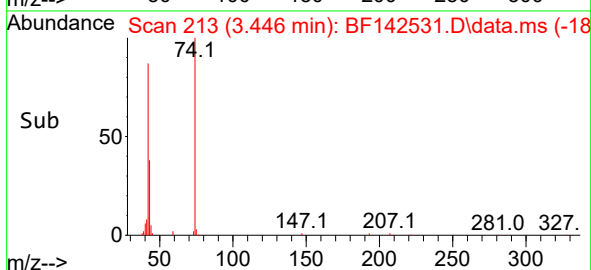
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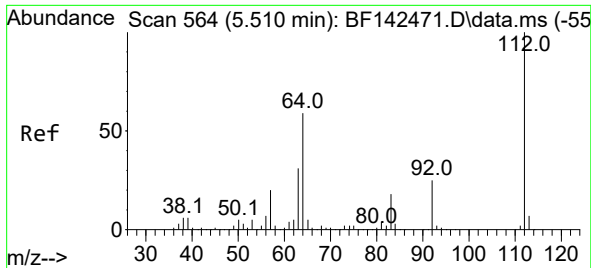


#4  
n-Nitrosodimethylamine  
Concen: 41.674 ng  
RT: 3.446 min Scan# 213  
Delta R.T. 0.041 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion: 42 Resp: 165626  
Ion Ratio Lower Upper  
42 100  
74 114.9 88.2 132.4  
44 7.0 5.4 8.2





#5  
2-Fluorophenol  
Concen: 93.807 ng  
RT: 5.516 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

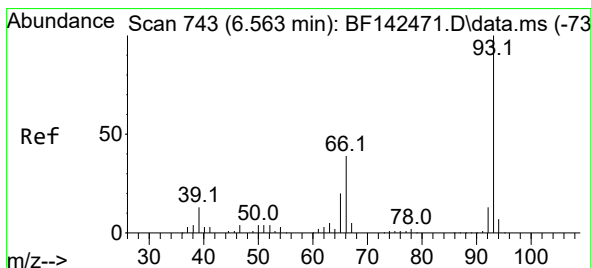
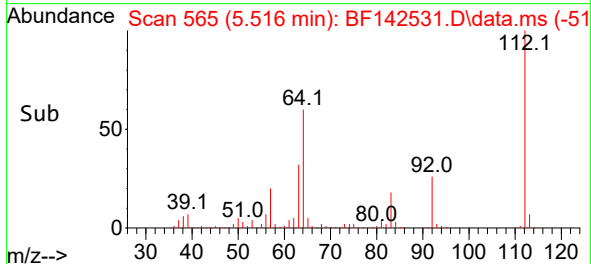
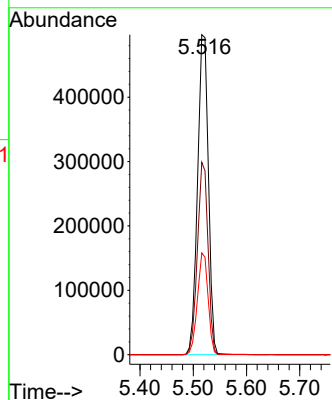
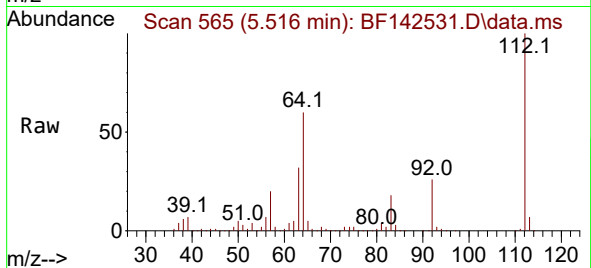
TP-45MS

Tgt Ion:112 Resp: 70463  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.5 71.3  
63 31.8 24.9 37.3

Manual Integrations

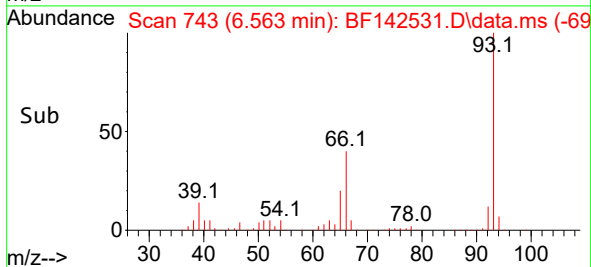
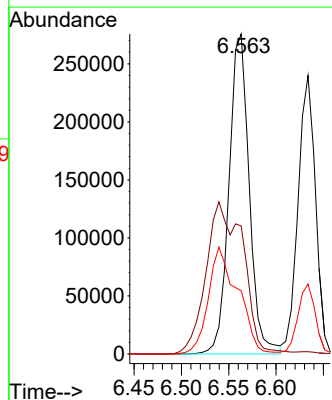
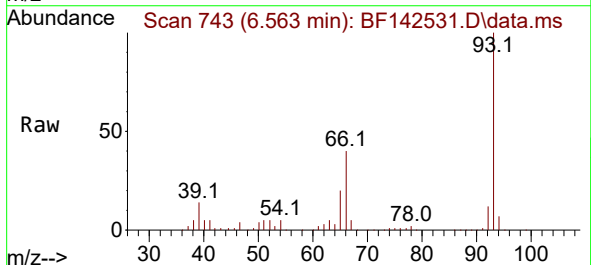
APPROVED

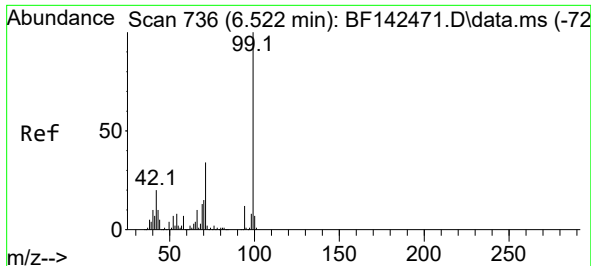
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#6  
Aniline  
Concen: 33.789 ng  
RT: 6.563 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

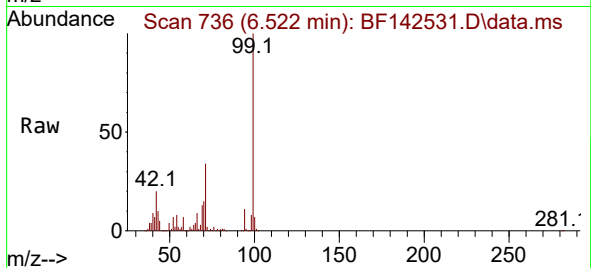
Tgt Ion: 93 Resp: 410799  
Ion Ratio Lower Upper  
93 100  
66 40.0 32.0 48.0  
65 19.7 16.1 24.1





#7  
Phenol-d6  
Concen: 98.099 ng  
RT: 6.522 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

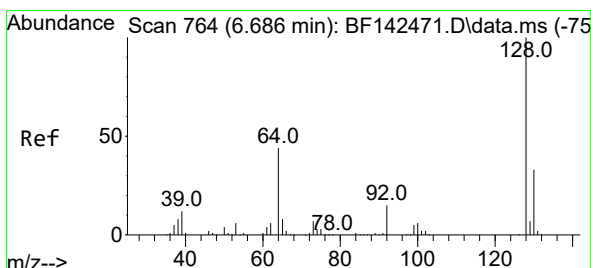
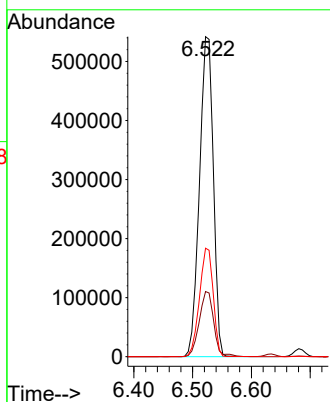
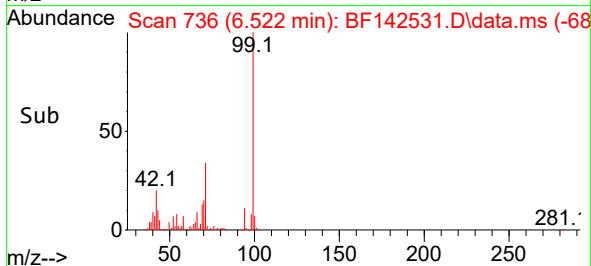
Instrument :  
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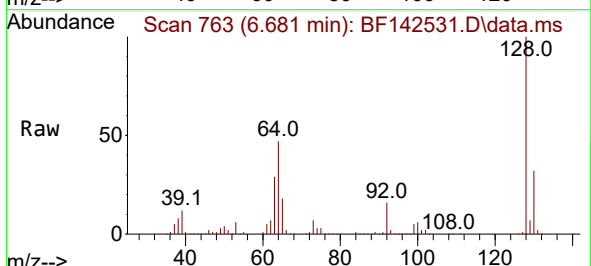
Tgt Ion: 99 Resp: 88702  
Ion Ratio Lower Upper  
99 100  
42 20.4 16.2 24.2  
71 33.9 27.3 40.9

Manual Integrations  
APPROVED

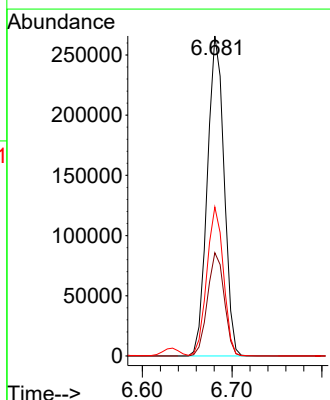
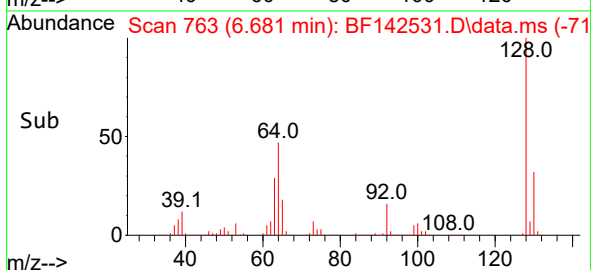
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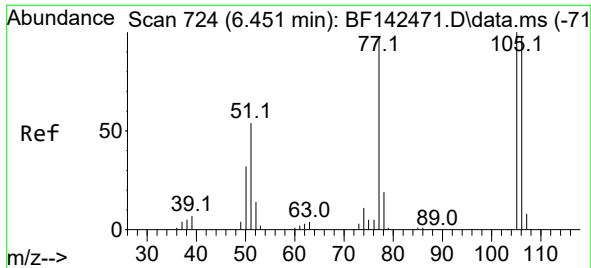


#8  
2-Chlorophenol  
Concen: 42.125 ng  
RT: 6.681 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:128 Resp: 344650  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.6 52.6  
64 46.5 25.1 65.1





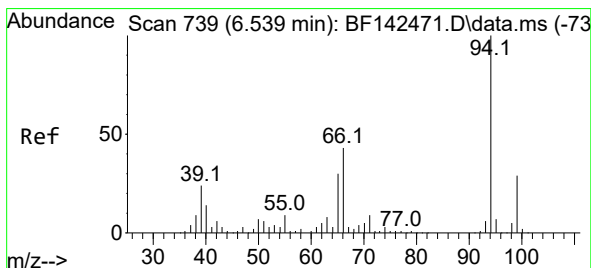
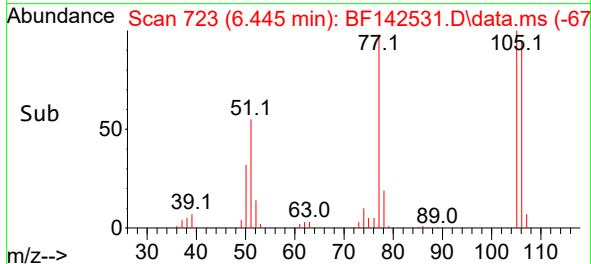
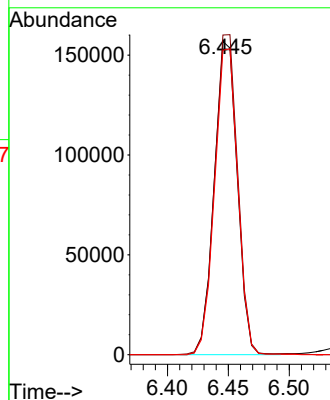
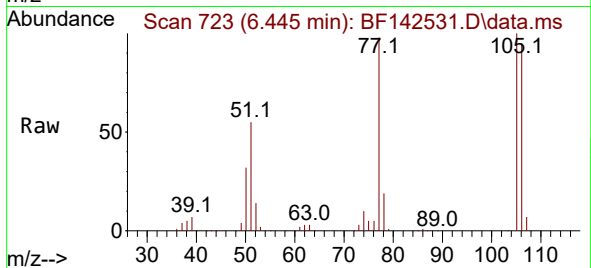
#9  
Benzaldehyde  
Concen: 37.921 ng  
RT: 6.445 min Scan# 724  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS

Tgt Ion: 77 Resp: 206235  
Ion Ratio Lower Upper  
77 100  
105 102.0 82.5 122.5  
106 97.1 80.0 120.0

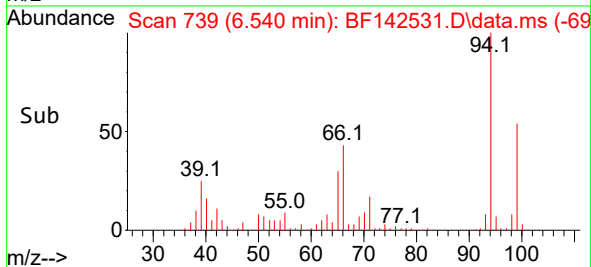
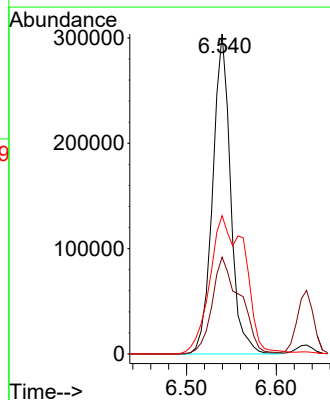
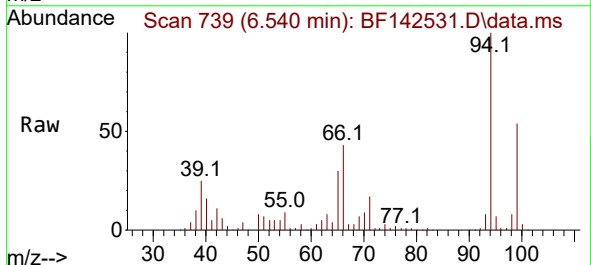
Manual Integrations  
APPROVED

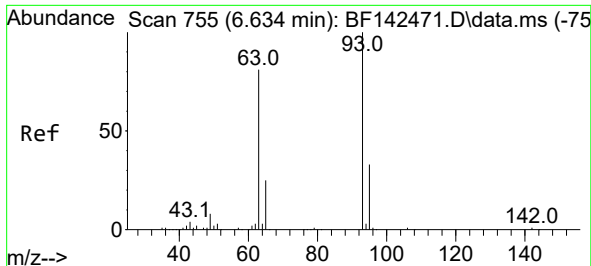
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#10  
Phenol  
Concen: 41.458 ng  
RT: 6.540 min Scan# 739  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

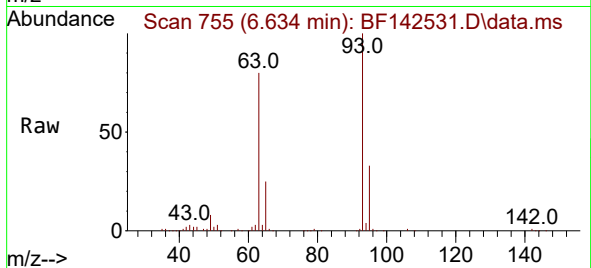
Tgt Ion: 94 Resp: 421804  
Ion Ratio Lower Upper  
94 100  
65 30.3 10.3 50.3  
66 43.2 22.6 62.6





#11  
bis(2-Chloroethyl)ether  
Concen: 41.433 ng  
RT: 6.634 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

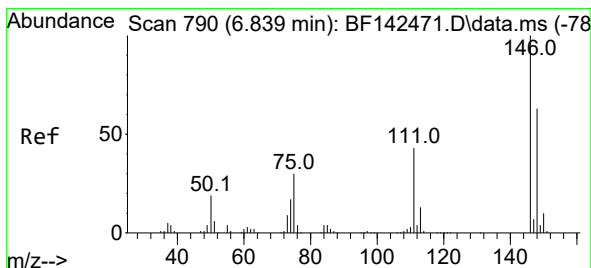
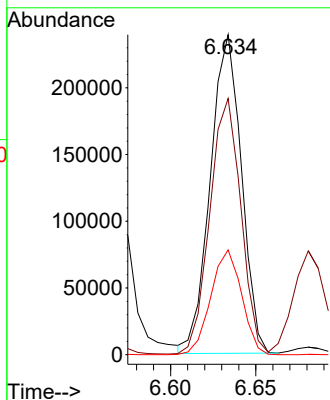
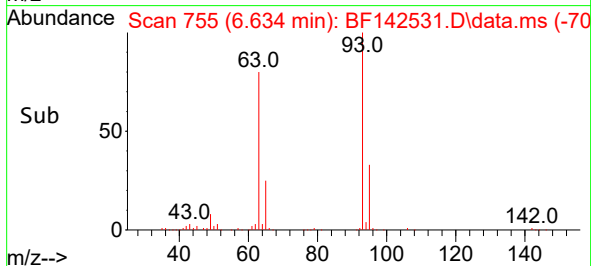
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



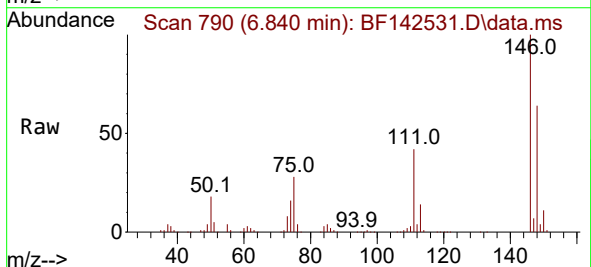
Tgt Ion: 93 Resp: 30345  
Ion Ratio Lower Upper  
93 100  
63 80.1 60.2 100.2  
95 32.7 12.3 52.3

Manual Integrations  
APPROVED

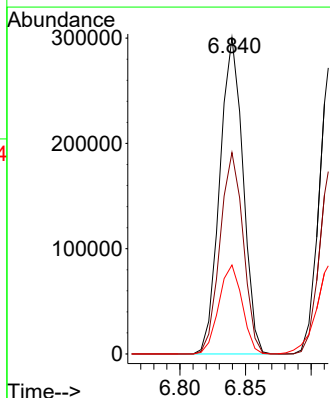
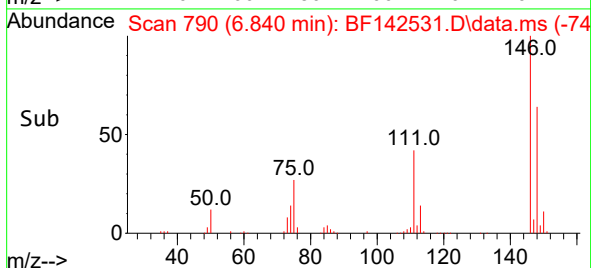
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

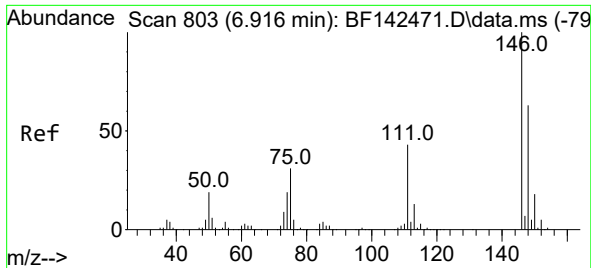


#12  
1,3-Dichlorobenzene  
Concen: 40.476 ng  
RT: 6.840 min Scan# 790  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:146 Resp: 369527  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.6 75.8  
75 28.1 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 40.357 ng

RT: 6.916 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

Tgt Ion:146 Resp: 371139

Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

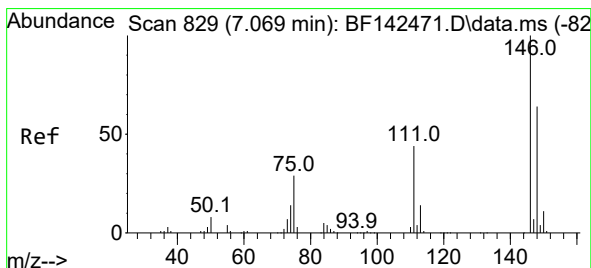
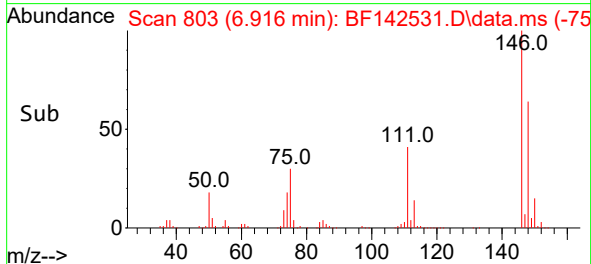
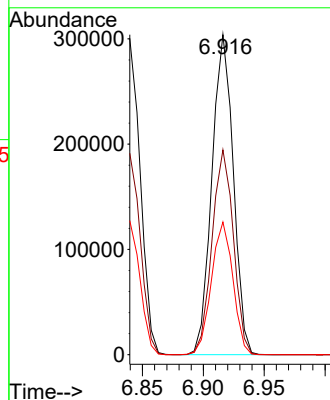
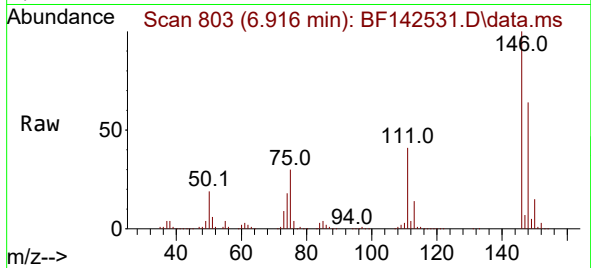
111 41.5 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#14

1,2-Dichlorobenzene

Concen: 40.836 ng

RT: 7.069 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

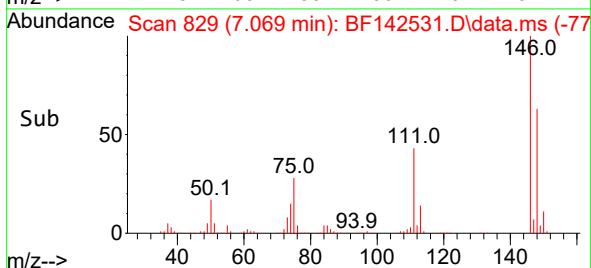
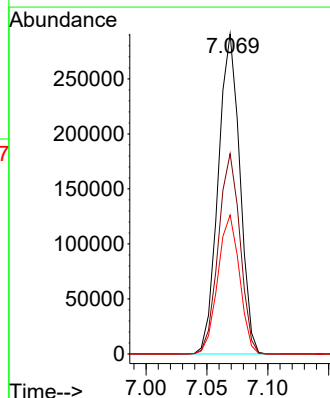
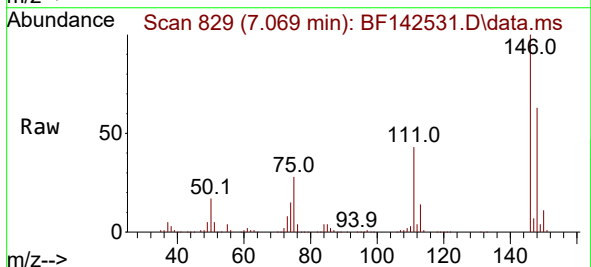
Tgt Ion:146 Resp: 359344

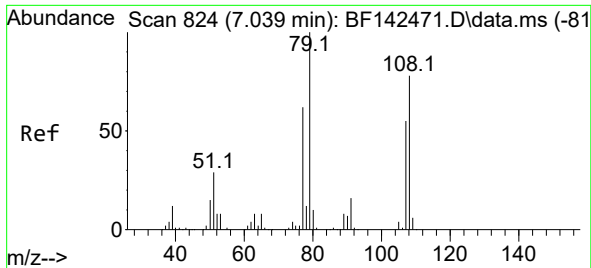
Ion Ratio Lower Upper

146 100

148 62.6 51.0 76.4

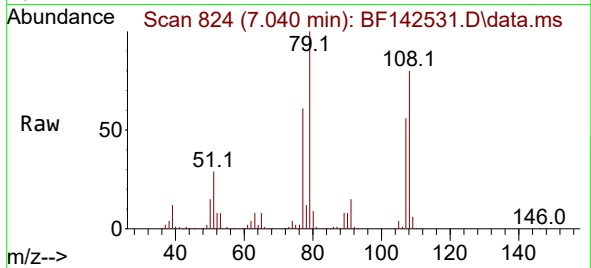
111 43.4 35.0 52.6





#15  
Benzyl Alcohol  
Concen: 42.153 ng  
RT: 7.040 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

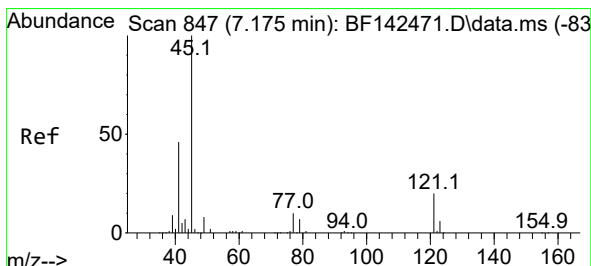
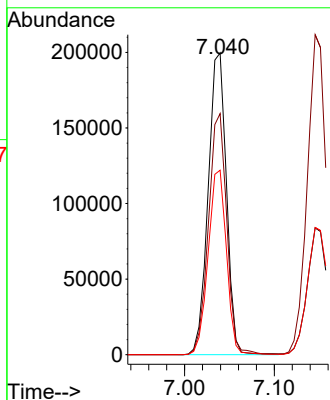
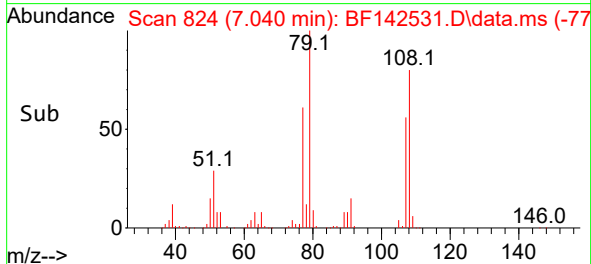
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion: 79 Resp: 28167  
Ion Ratio Lower Upper  
79 100  
108 79.9 62.1 93.1  
77 61.1 49.5 74.3

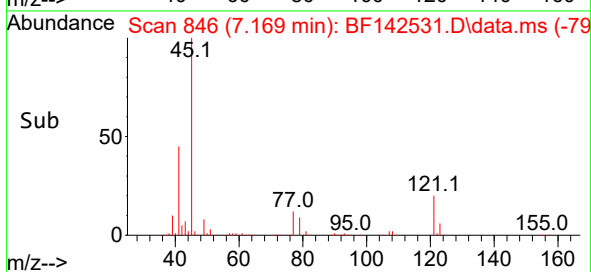
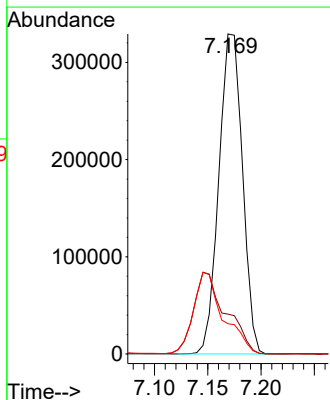
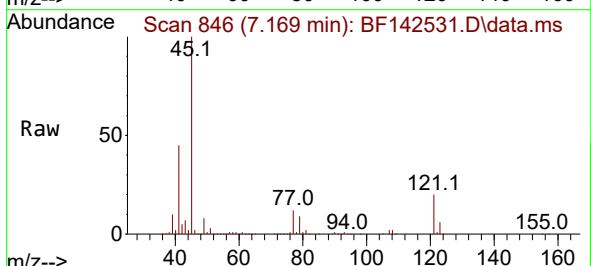
Manual Integrations  
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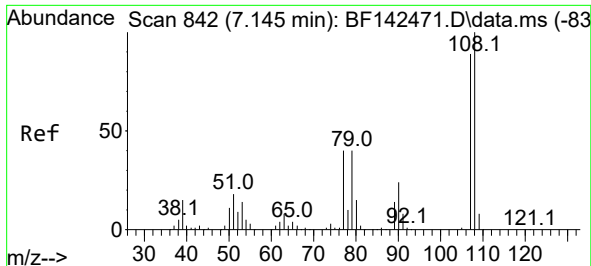
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.211 ng  
RT: 7.169 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

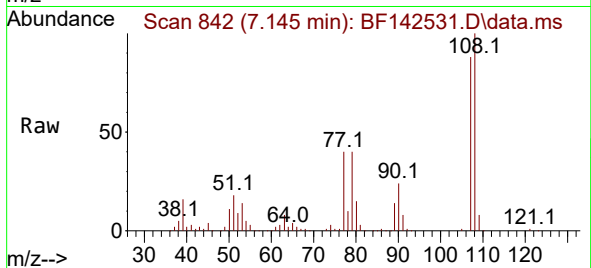
Tgt Ion: 45 Resp: 506866  
Ion Ratio Lower Upper  
45 100  
77 12.5 0.0 32.0  
79 9.5 0.0 29.2





#17  
2-Methylphenol  
Concen: 41.734 ng  
RT: 7.145 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

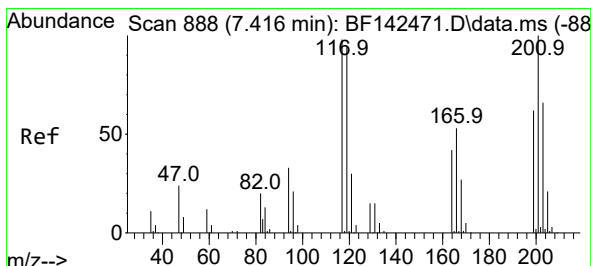
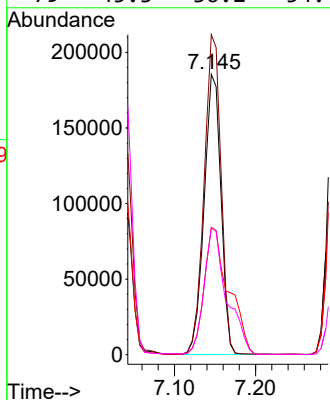
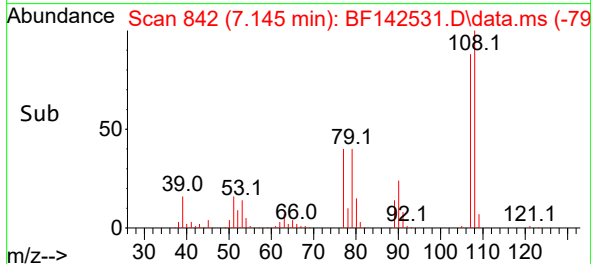
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



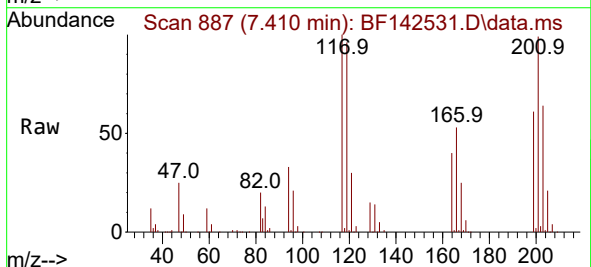
Tgt Ion:107 Resp: 26658  
Ion Ratio Lower Upper  
107 100  
108 114.1 90.2 135.2  
77 45.4 36.1 54.1  
79 45.3 36.2 54.1

Manual Integrations  
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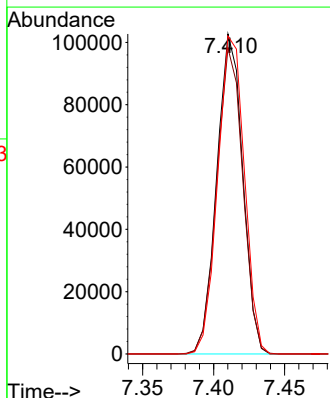
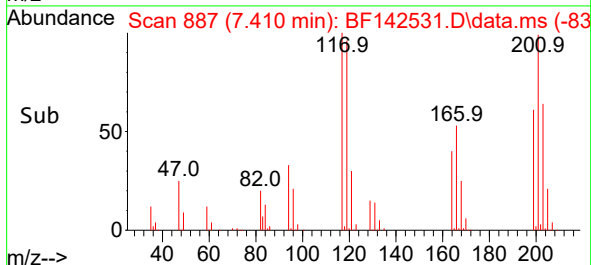
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#18  
Hexachloroethane  
Concen: 40.660 ng  
RT: 7.410 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



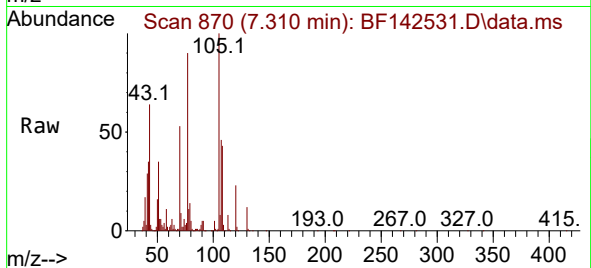
Tgt Ion:117 Resp: 130566  
Ion Ratio Lower Upper  
117 100  
119 95.6 76.6 114.8  
201 99.4 81.3 121.9





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.413 ng  
RT: 7.310 min Scan# 81  
Delta R.T. -0.017 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

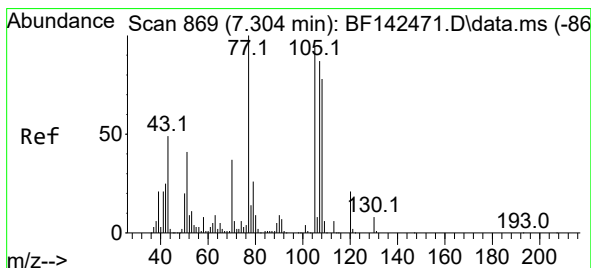
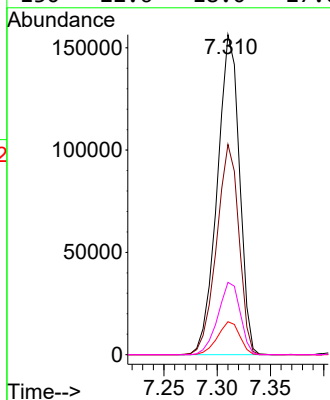
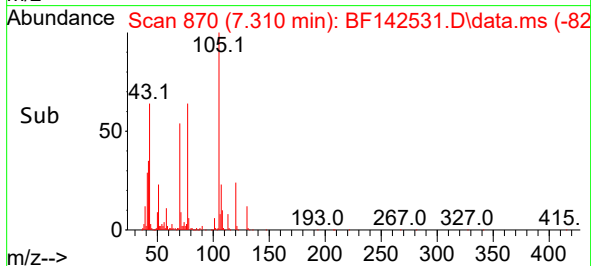
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



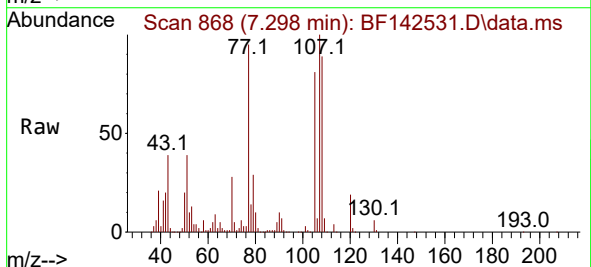
Tgt Ion: 70 Resp: 226470  
Ion Ratio Lower Upper  
70 100  
42 65.7 52.4 78.6  
101 10.3 7.8 11.8  
130 22.6 18.0 27.0

Manual Integrations  
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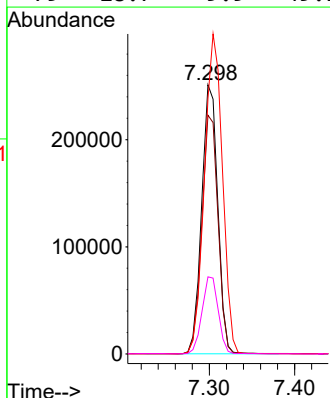
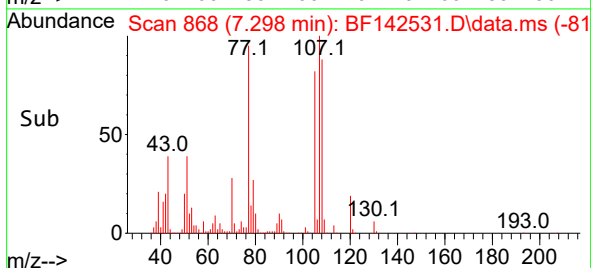
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

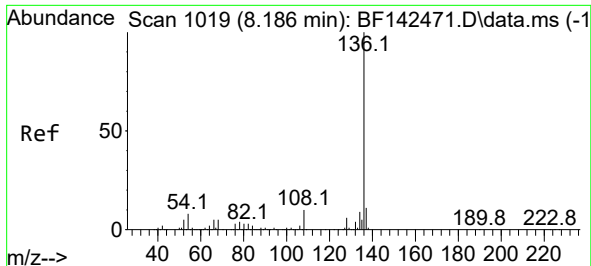


#20  
3+4-Methylphenols  
Concen: 40.166 ng  
RT: 7.298 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



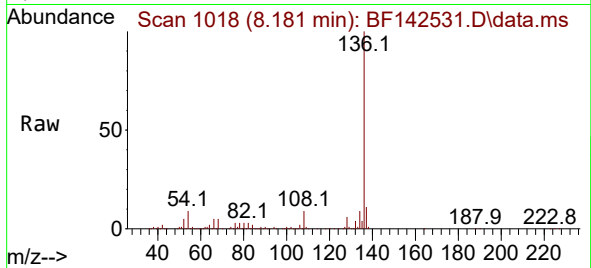
Tgt Ion:107 Resp: 328561  
Ion Ratio Lower Upper  
107 100  
108 88.7 70.4 110.4  
77 94.9 95.4 135.4#  
79 28.7 9.9 49.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

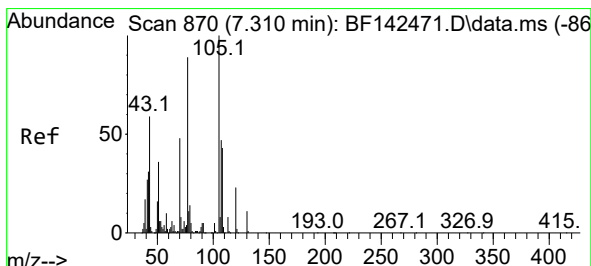
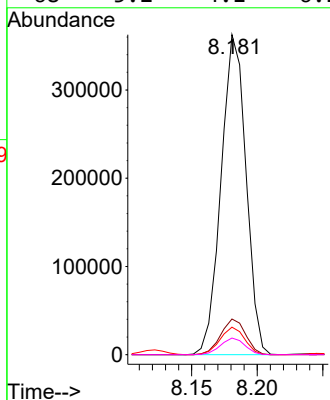
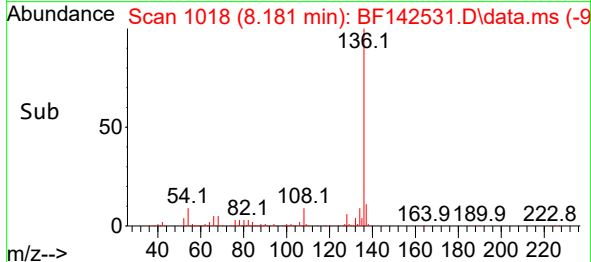
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:136 Resp: 47983  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.6 13.0  
54 8.6 6.6 10.0  
68 5.2 4.1 6.1

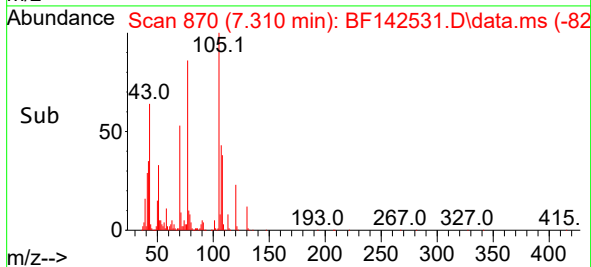
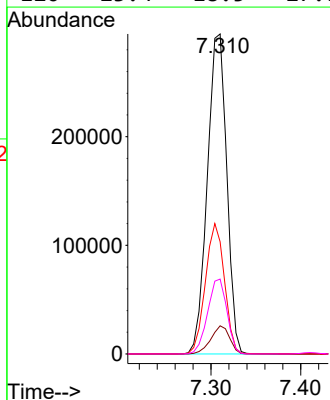
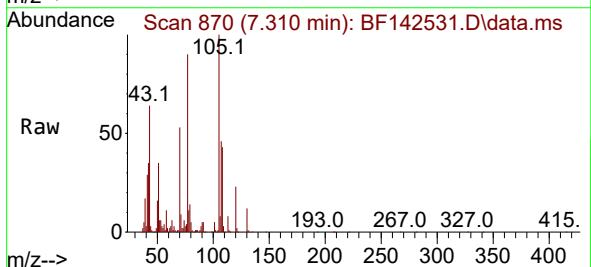
Manual Integrations  
APPROVED

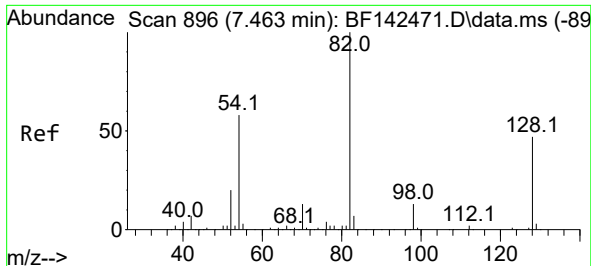
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#22  
Acetophenone  
Concen: 41.689 ng  
RT: 7.310 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:105 Resp: 442818  
Ion Ratio Lower Upper  
105 100  
71 8.8 6.4 9.6  
51 35.0 28.6 42.8  
120 23.4 18.5 27.7





#23

Nitrobenzene-d5

Concen: 60.224 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

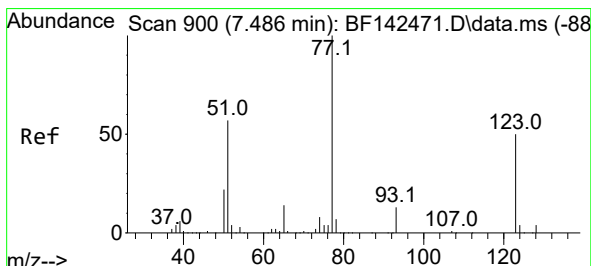
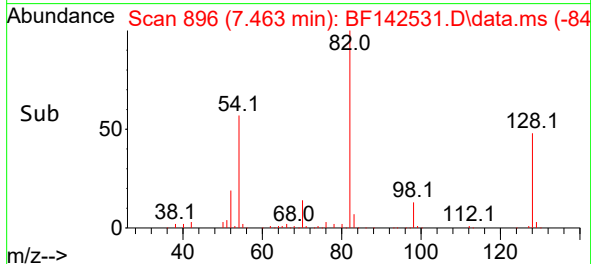
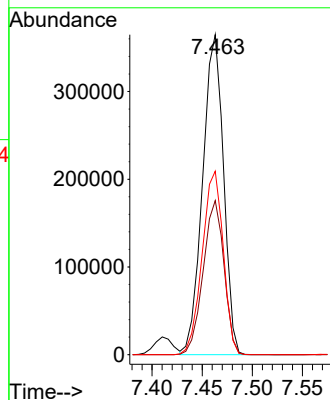
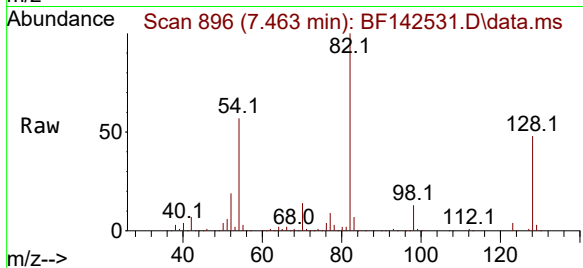
Tgt Ion: 82 Resp: 529950  
 Ion Ratio Lower Upper  
 82 100  
 128 48.2 37.4 56.2  
 54 57.3 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#24

Nitrobenzene

Concen: 42.645 ng

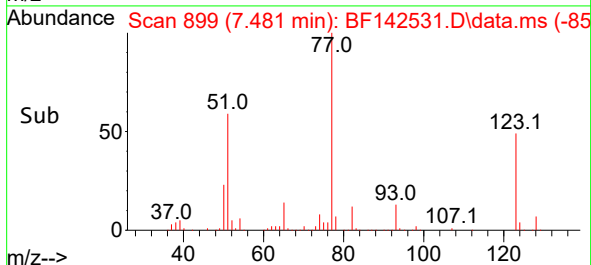
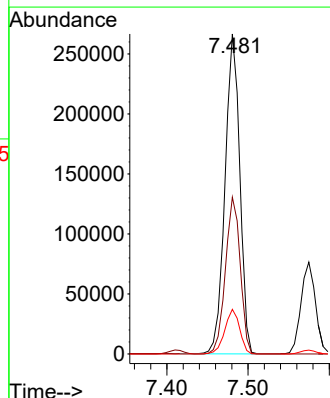
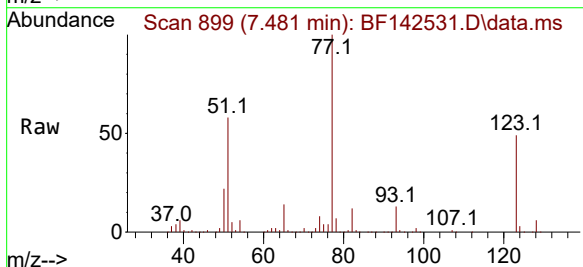
RT: 7.481 min Scan# 899

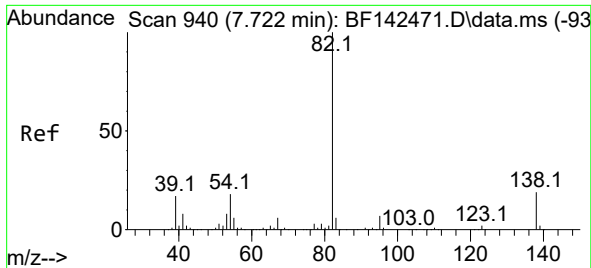
Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

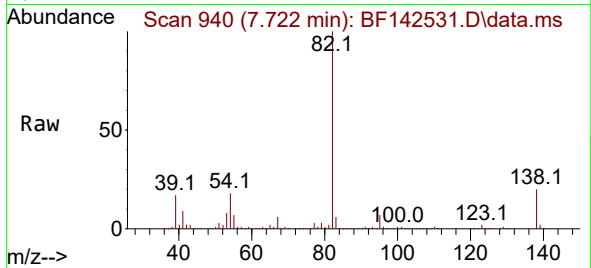
Tgt Ion: 77 Resp: 338446  
 Ion Ratio Lower Upper  
 77 100  
 123 49.0 40.6 61.0  
 65 13.9 11.4 17.2





#25  
Isophorone  
Concen: 41.297 ng  
RT: 7.722 min Scan# 940  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

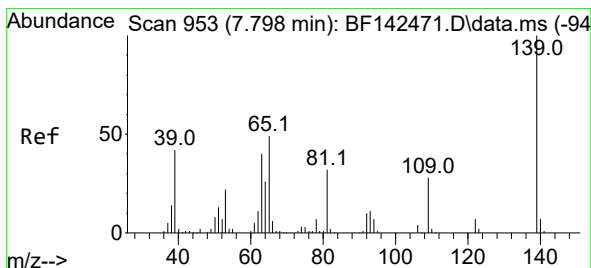
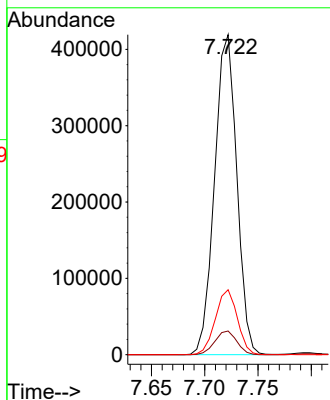
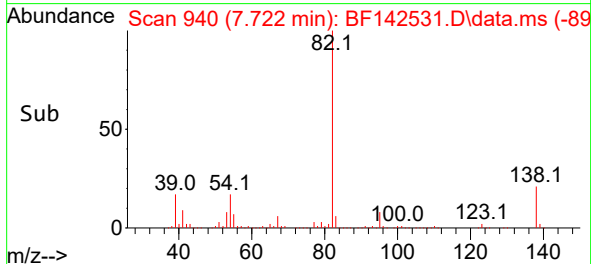
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



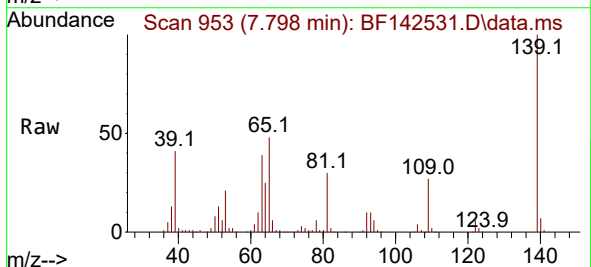
Tgt Ion: 82 Resp: 60757  
Ion Ratio Lower Upper  
82 100  
95 7.4 6.0 9.0  
138 20.3 15.5 23.3

Manual Integrations  
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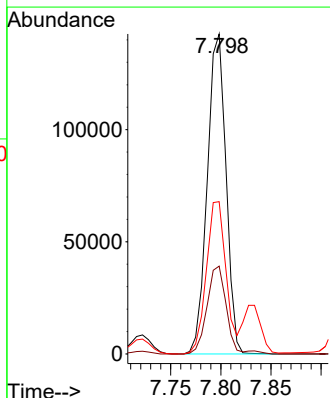
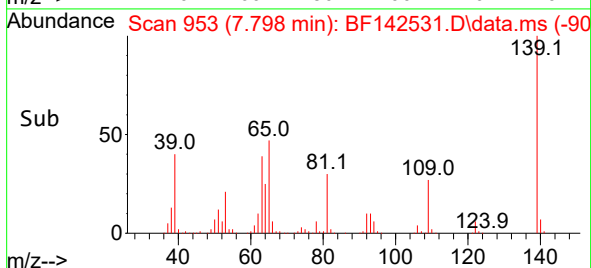
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

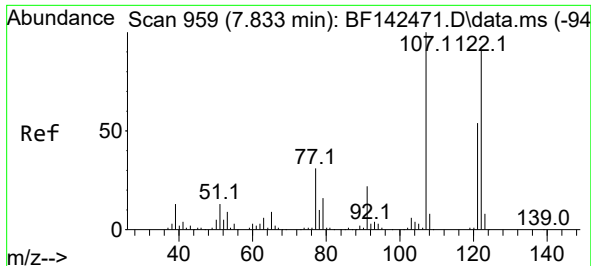


#26  
2-Nitrophenol  
Concen: 43.771 ng  
RT: 7.798 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:139 Resp: 185622  
Ion Ratio Lower Upper  
139 100  
109 27.4 22.6 33.8  
65 47.6 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 42.605 ng

RT: 7.834 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

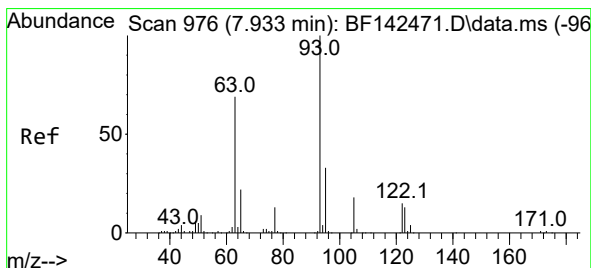
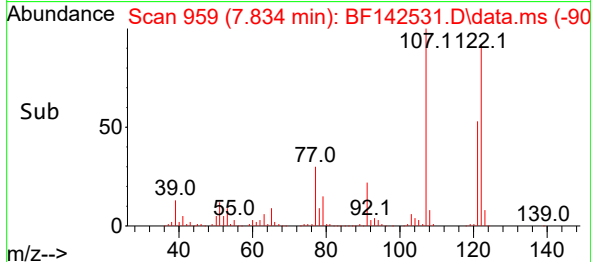
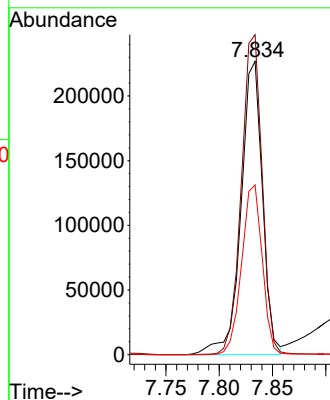
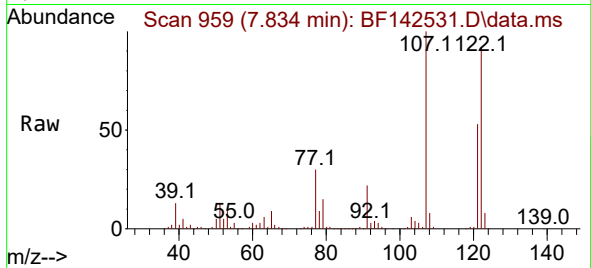
Tgt Ion:122 Resp: 31862  
 Ion Ratio Lower Upper  
 122 100  
 107 109.1 88.1 132.1  
 121 57.9 47.3 70.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.343 ng

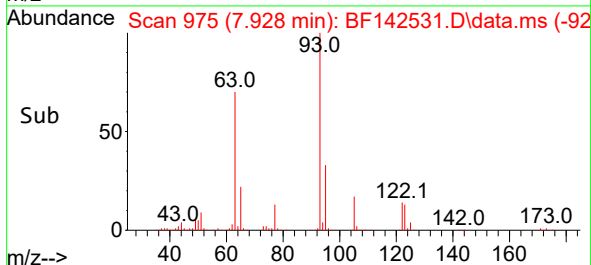
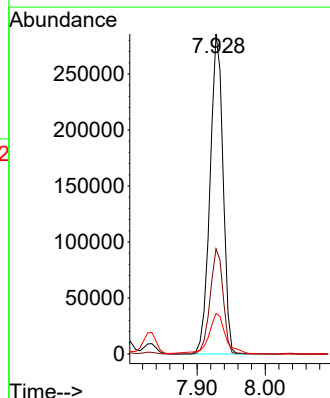
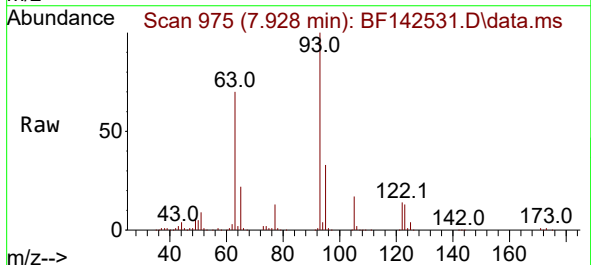
RT: 7.928 min Scan# 975

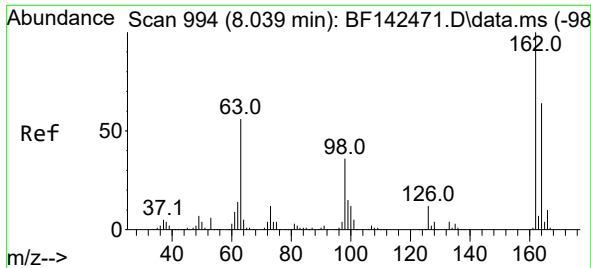
Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Tgt Ion: 93 Resp: 379961  
 Ion Ratio Lower Upper  
 93 100  
 95 32.9 26.4 39.6  
 123 12.7 10.6 15.8





#29

2,4-Dichlorophenol

Concen: 42.075 ng

RT: 8.039 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF142531.D

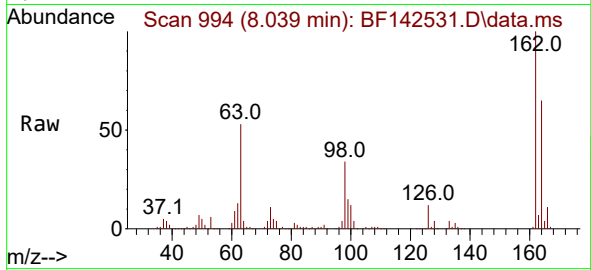
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



Tgt Ion:162 Resp: 28615

Ion Ratio Lower Upper

162 100

164 65.4 43.7 83.7

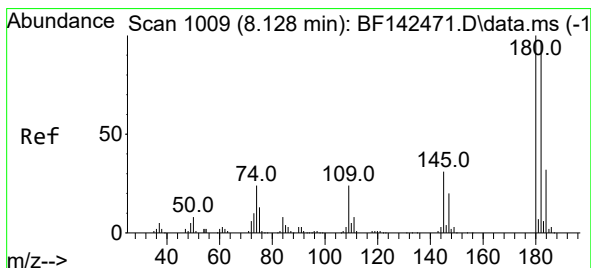
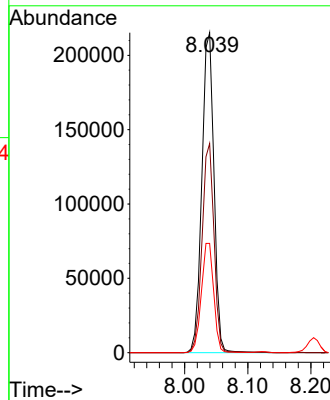
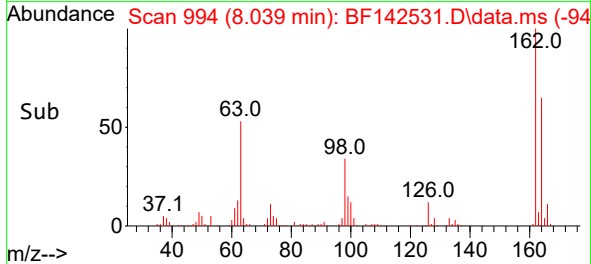
98 34.2 15.5 55.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.672 ng

RT: 8.122 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

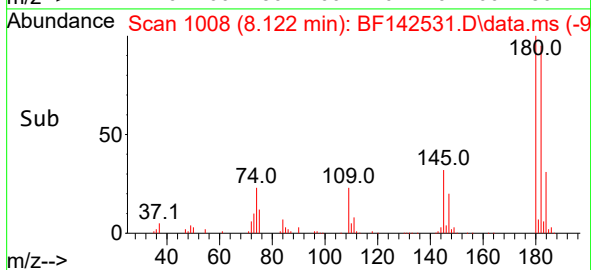
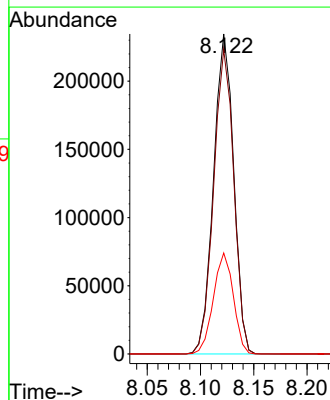
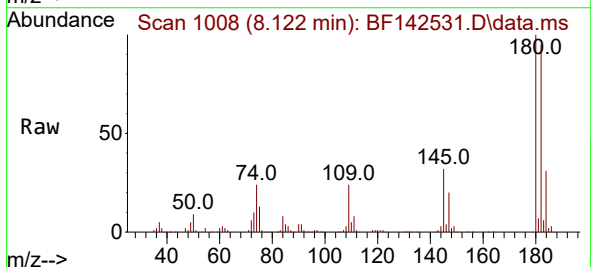
Tgt Ion:180 Resp: 307585

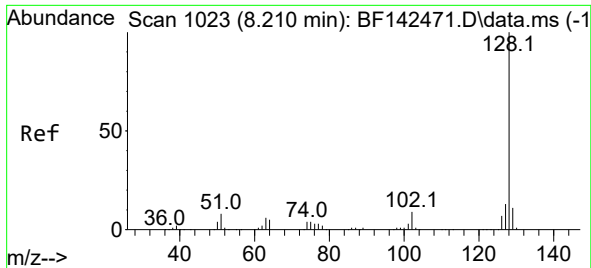
Ion Ratio Lower Upper

180 100

182 95.1 78.0 117.0

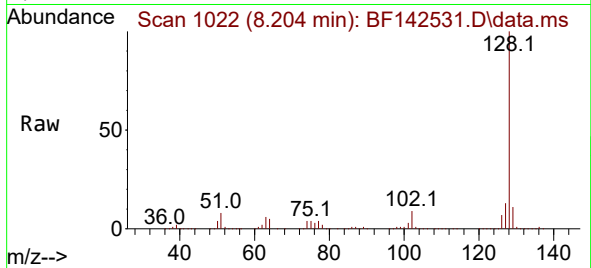
145 31.6 25.0 37.6





#31  
Naphthalene  
Concen: 41.323 ng  
RT: 8.204 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

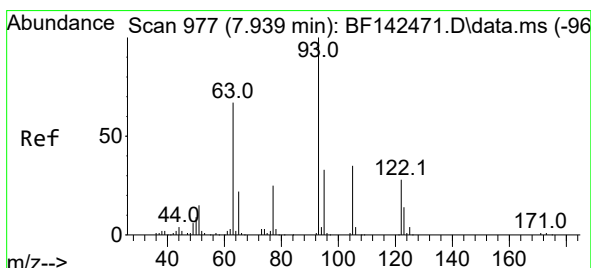
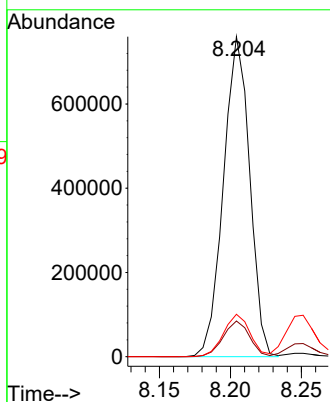
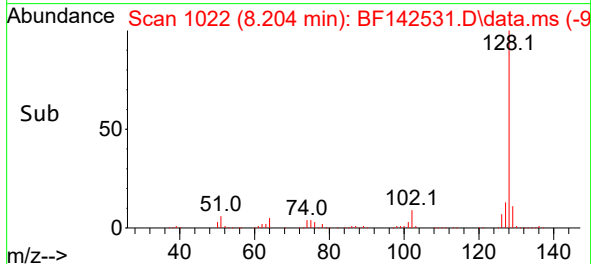
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:128 Resp: 976314  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.2 10.5 15.7

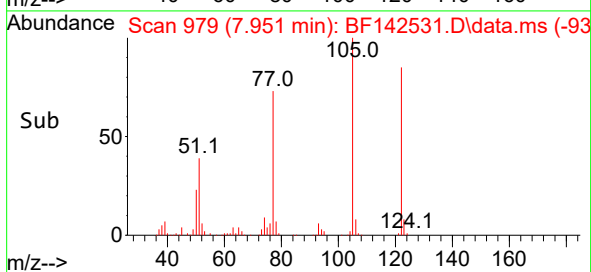
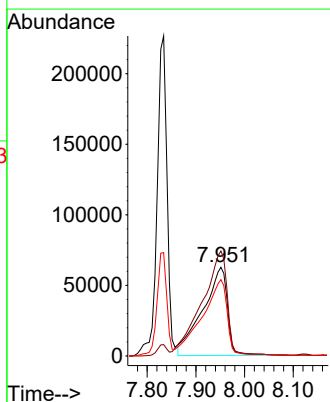
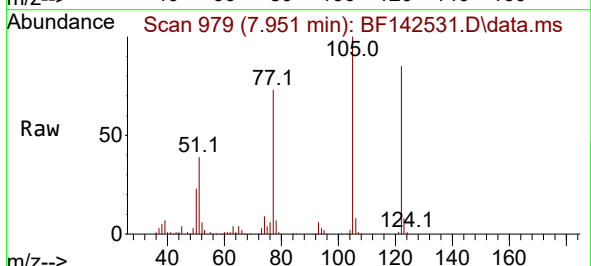
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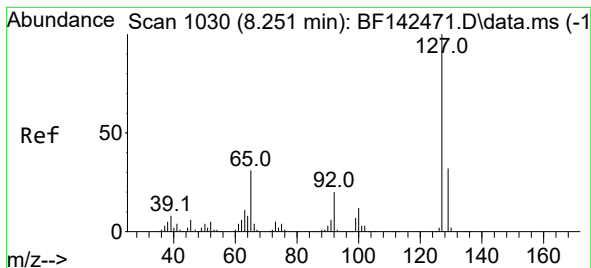
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#32  
Benzoic acid  
Concen: 48.473 ng  
RT: 7.951 min Scan# 979  
Delta R.T. -0.024 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:122 Resp: 220667  
Ion Ratio Lower Upper  
122 100  
105 118.3 101.7 141.7  
77 86.1 69.5 109.5





#33

4-Chloroaniline

Concen: 16.317 ng

RT: 8.251 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

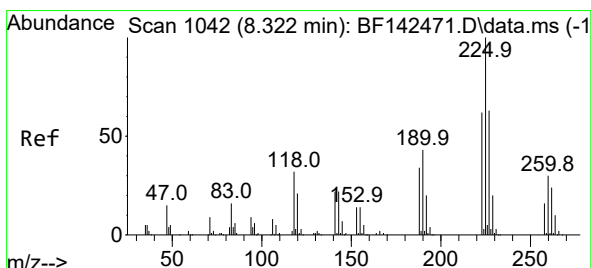
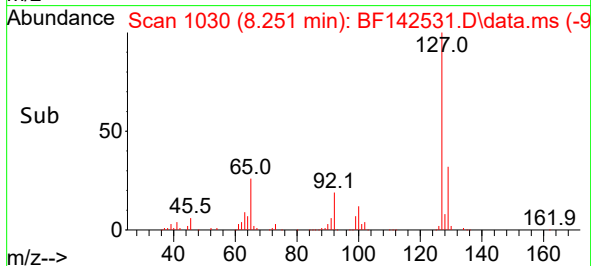
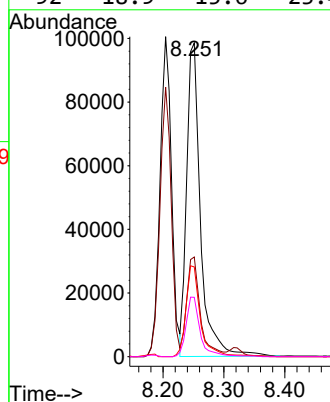
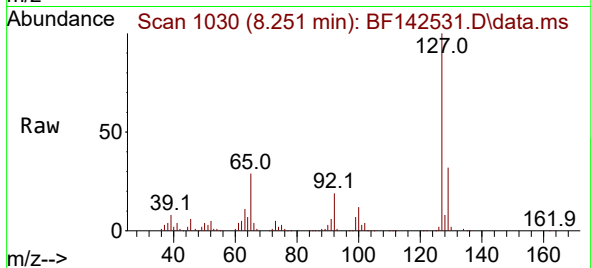
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 15621 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 31.7  | 26.1  | 39.1  |
| 65        | 28.6  | 24.9  | 37.3  |
| 92        | 18.9  | 15.6  | 23.4  |

Manual Integrations

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Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#34

Hexachlorobutadiene

Concen: 41.027 ng

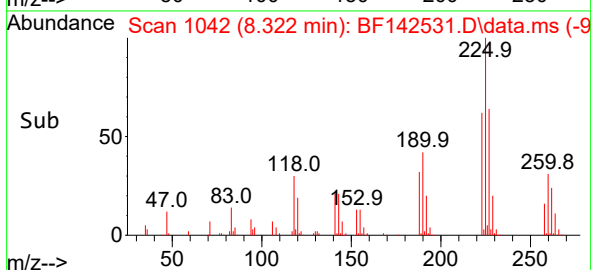
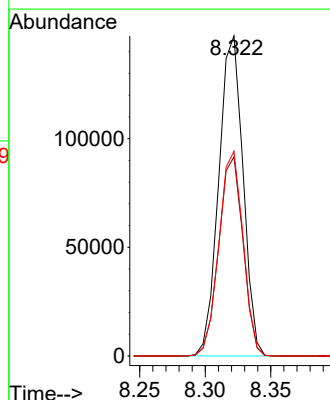
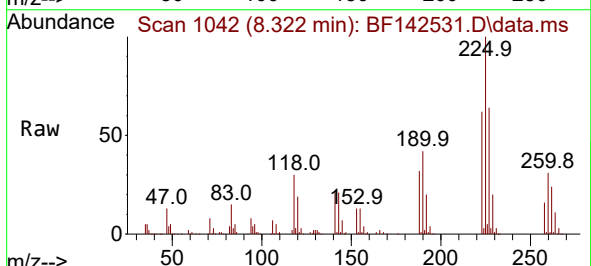
RT: 8.322 min Scan# 1042

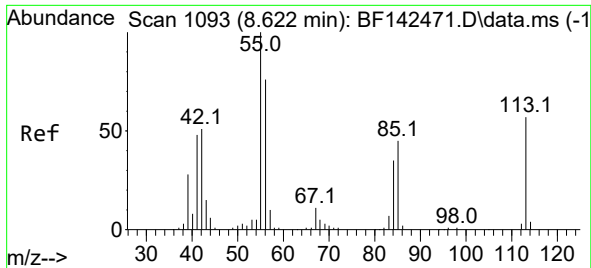
Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

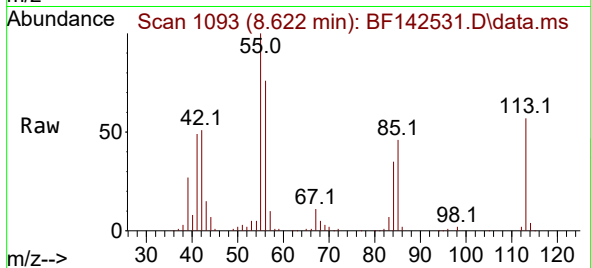
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 189081 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.2  | 49.7  | 74.5   |
| 227       | 63.9  | 50.3  | 75.5   |





#35  
 Caprolactam  
 Concen: 46.761 ng m  
 RT: 8.622 min Scan# 1093  
 Delta R.T. -0.023 min  
 Lab File: BF142531.D  
 Acq: 23 May 2025 13:12

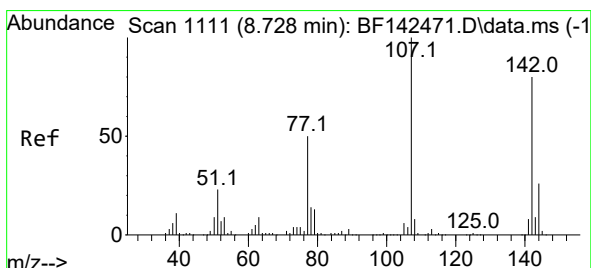
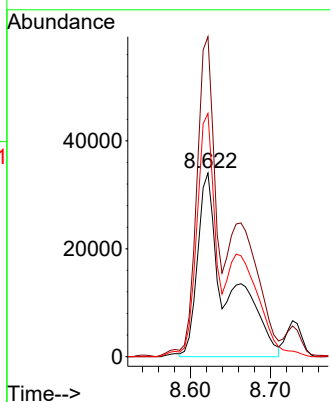
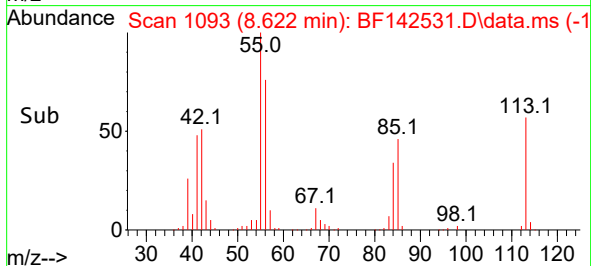
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-45MS



Tgt Ion:113 Resp: 8932  
 Ion Ratio Lower Upper  
 113 100  
 55 174.3 154.7 194.7  
 56 132.4 113.2 153.2

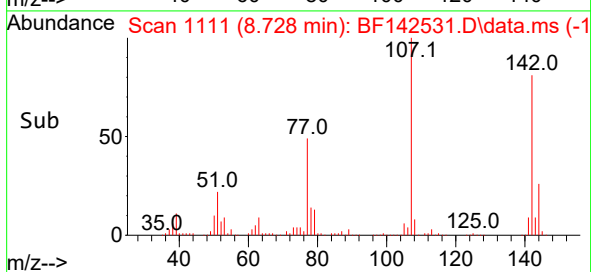
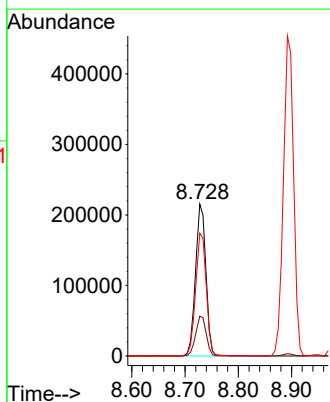
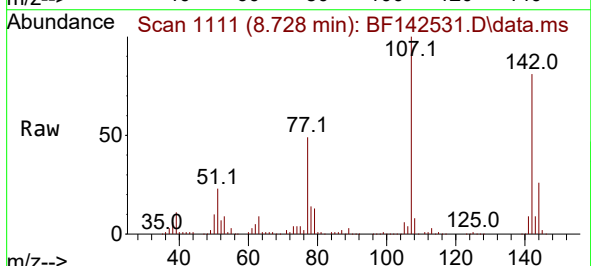
Manual Integrations  
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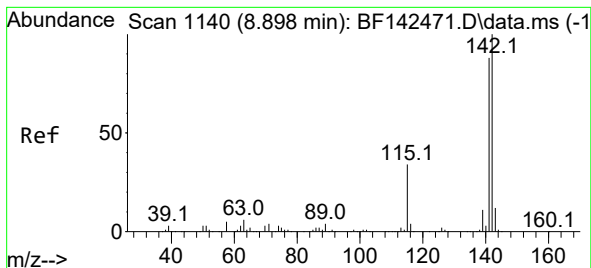
Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/27/2025



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.949 ng  
 RT: 8.728 min Scan# 1111  
 Delta R.T. -0.012 min  
 Lab File: BF142531.D  
 Acq: 23 May 2025 13:12

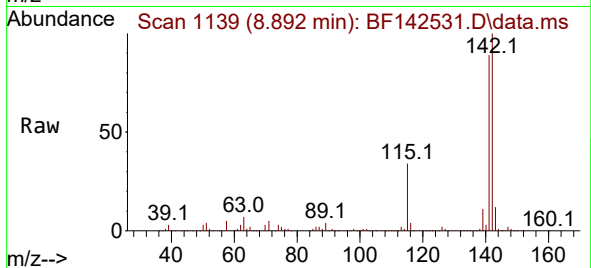
Tgt Ion:107 Resp: 292388  
 Ion Ratio Lower Upper  
 107 100  
 144 26.3 20.9 31.3  
 142 80.8 64.2 96.2





#37  
2-Methylnaphthalene  
Concen: 40.398 ng  
RT: 8.892 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

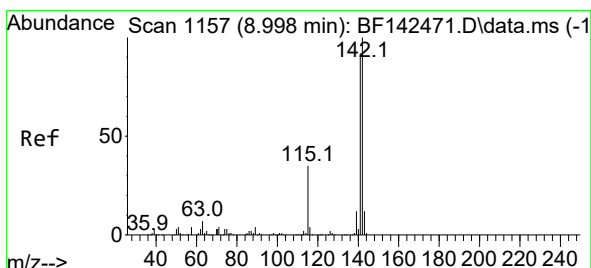
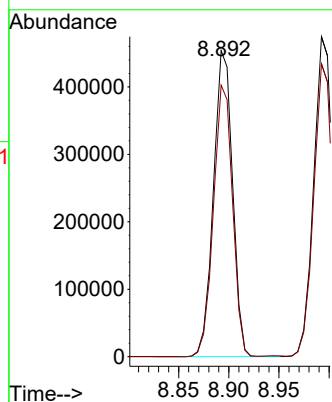
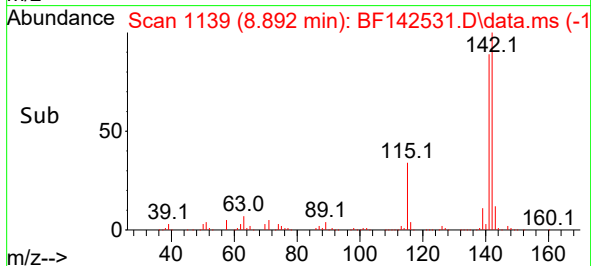
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:142 Resp: 600475  
Ion Ratio Lower Upper  
142 100  
141 88.7 70.7 106.1

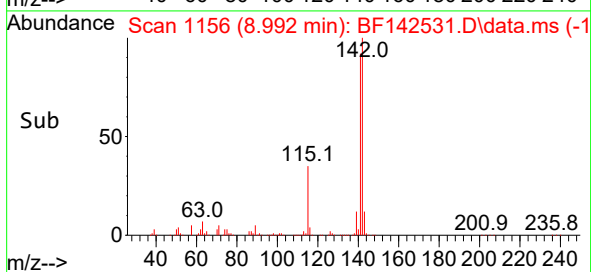
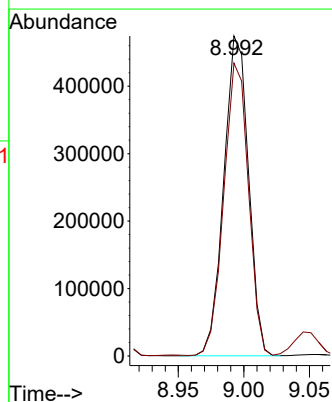
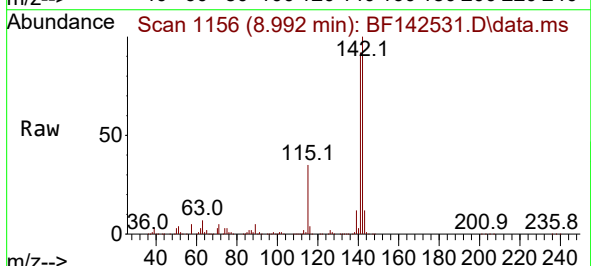
Manual Integrations  
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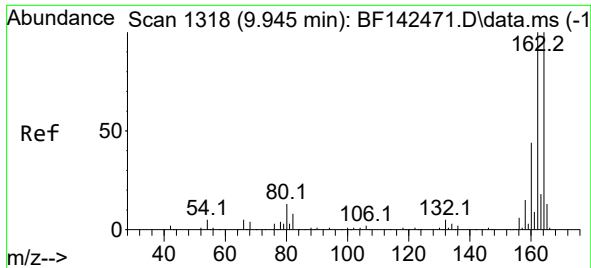
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#38  
1-Methylnaphthalene  
Concen: 40.448 ng  
RT: 8.992 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:142 Resp: 621886  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF142531.D

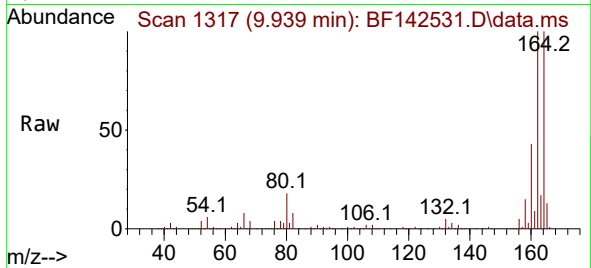
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



Tgt Ion:164 Resp: 25321

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.4

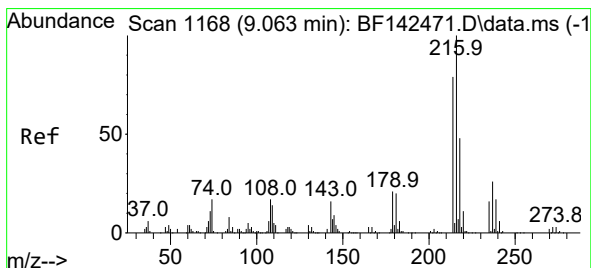
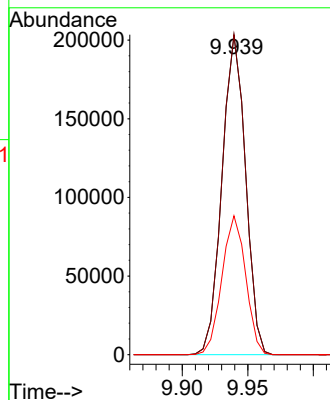
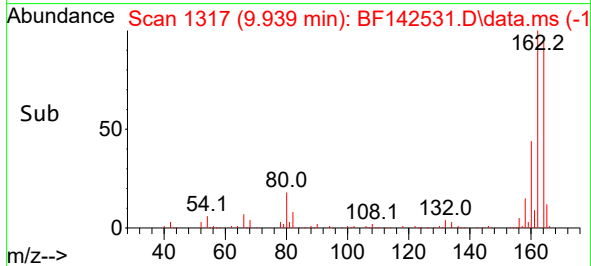
160 43.5 35.6 53.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.278 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Tgt Ion:216 Resp: 307313

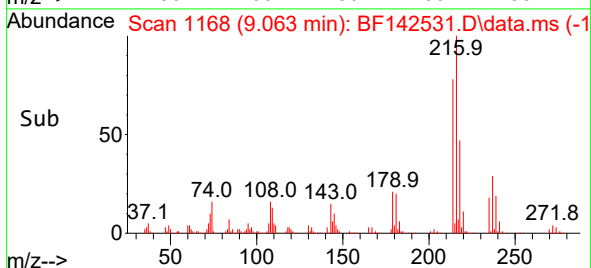
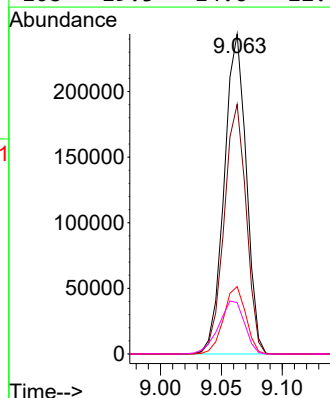
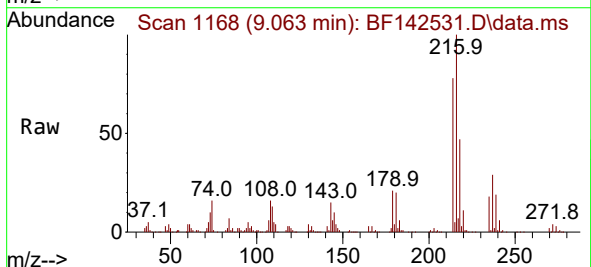
Ion Ratio Lower Upper

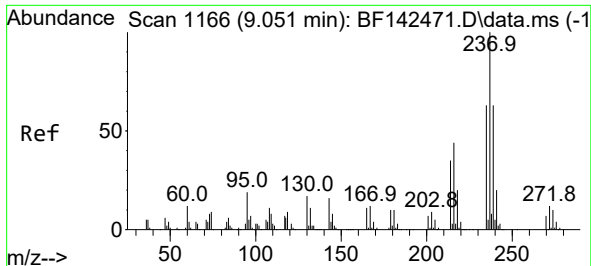
216 100

214 77.9 62.9 94.3

179 21.2 16.9 25.3

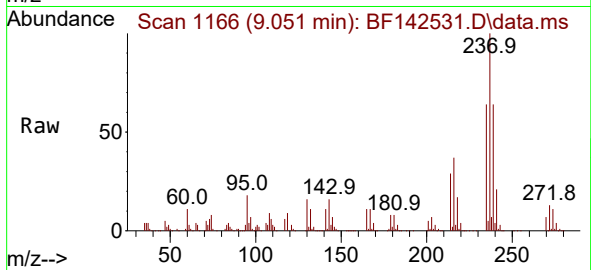
108 19.5 14.6 22.0





#41  
Hexachlorocyclopentadiene  
Concen: 83.063 ng  
RT: 9.051 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

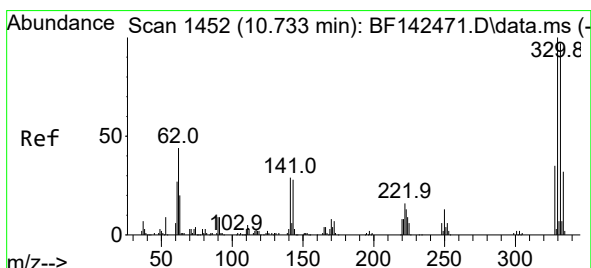
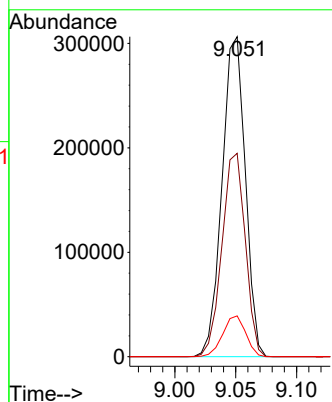
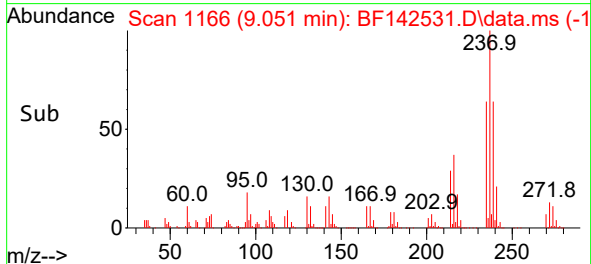
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion: 237 Resp: 40729  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.3 83.3  
272 12.8 0.0 32.4

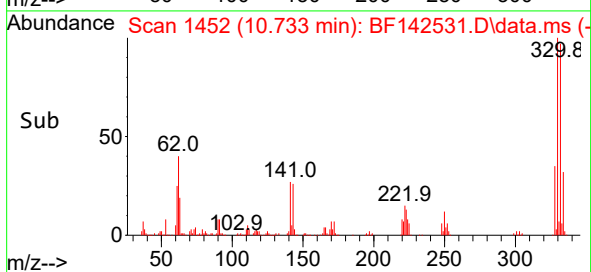
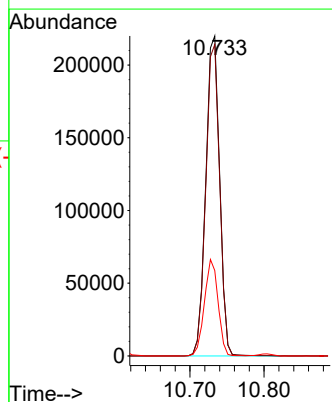
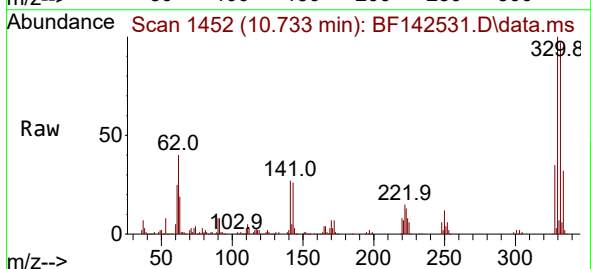
Manual Integrations  
APPROVED

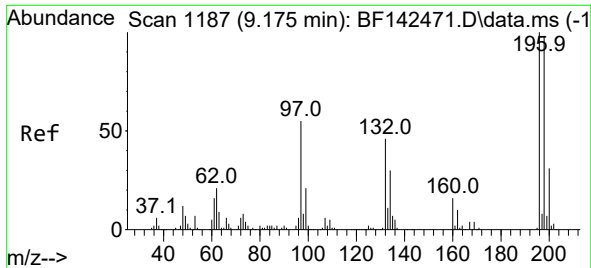
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#42  
2,4,6-Tribromophenol  
Concen: 101.971 ng  
RT: 10.733 min Scan# 1452  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion: 330 Resp: 286579  
Ion Ratio Lower Upper  
330 100  
332 97.3 77.6 116.4  
141 29.7 24.6 36.8





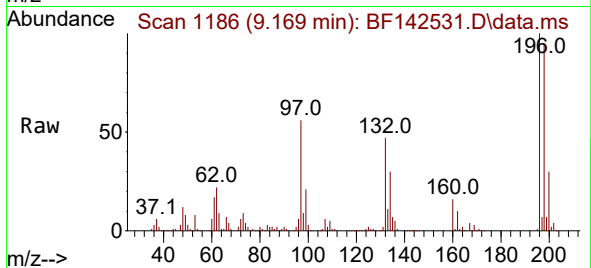
#43  
2,4,6-Trichlorophenol  
Concen: 43.774 ng  
RT: 9.169 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



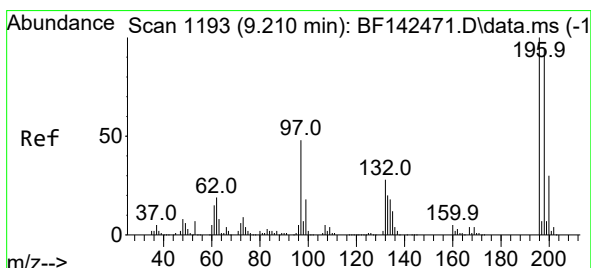
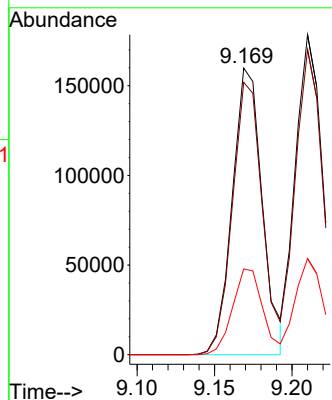
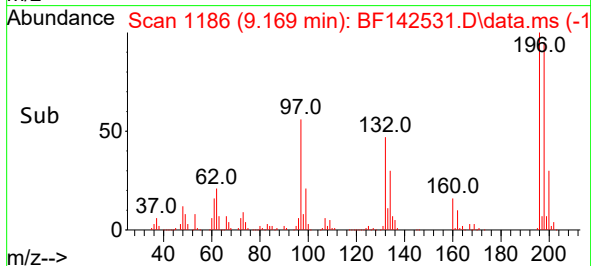
Tgt Ion:196 Resp: 214558  
Ion Ratio Lower Upper  
196 100  
198 95.0 78.8 118.2  
200 29.9 24.9 37.3

Manual Integrations

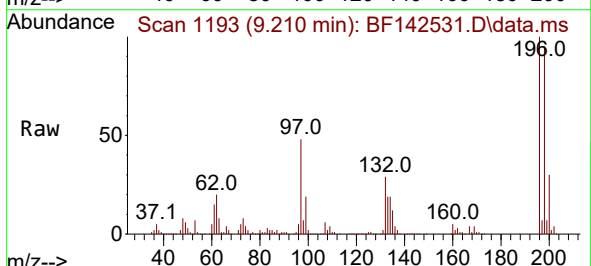
APPROVED

Reviewed By :Rahul Chavli 05/27/2025

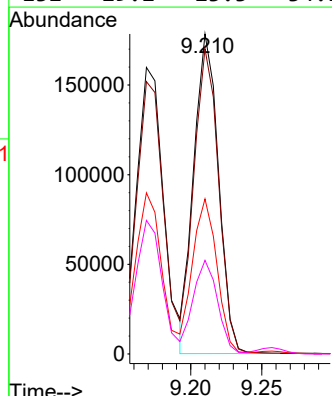
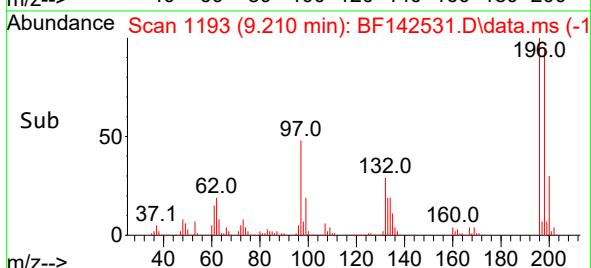
Supervised By :Jagrut Upadhyay 05/27/2025

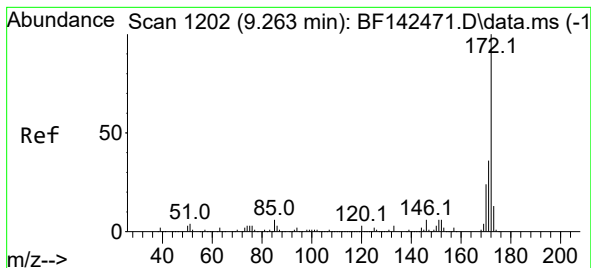


#44  
2,4,5-Trichlorophenol  
Concen: 41.778 ng  
RT: 9.210 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:196 Resp: 215965  
Ion Ratio Lower Upper  
196 100  
198 95.4 75.5 113.3  
97 48.5 39.3 58.9  
132 29.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 57.328 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

Tgt Ion:172 Resp: 108181

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

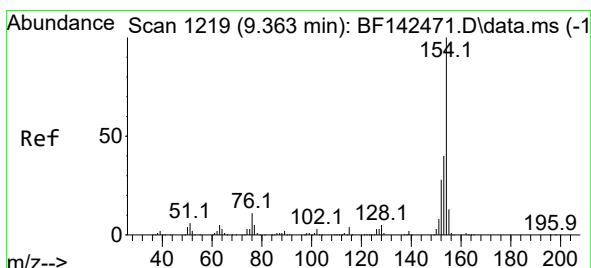
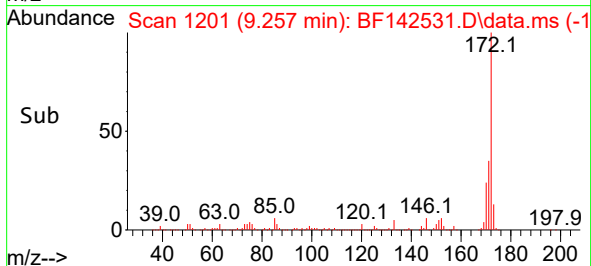
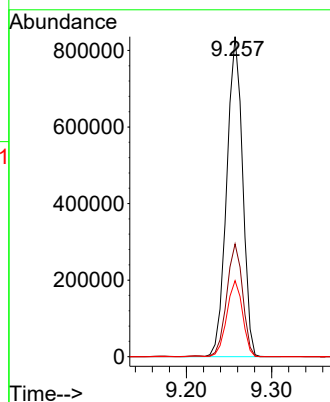
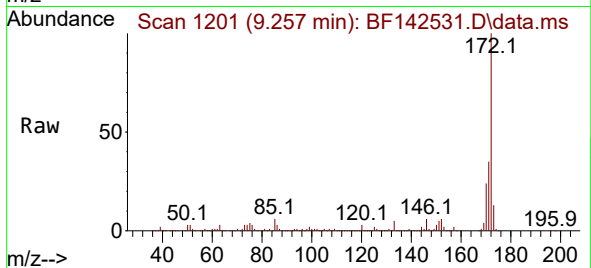
170 23.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#46

1,1'-Biphenyl

Concen: 41.876 ng

RT: 9.357 min Scan# 1218

Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

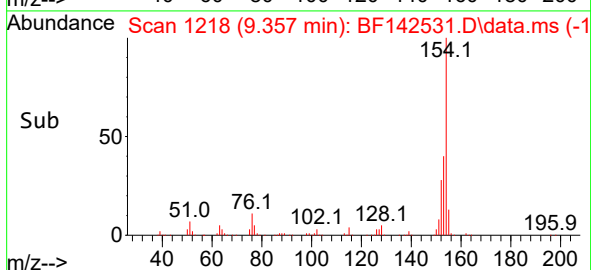
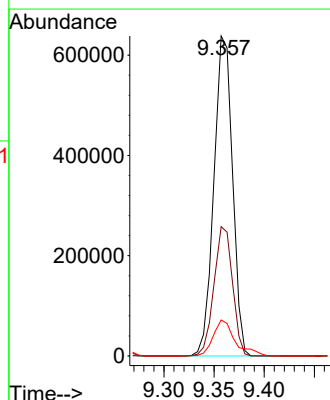
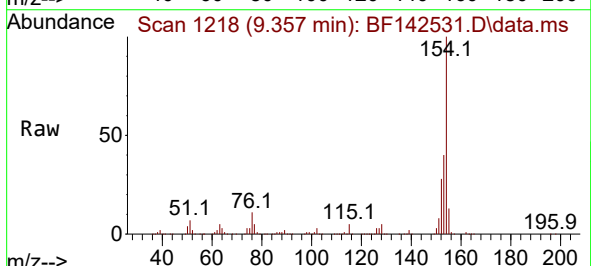
Tgt Ion:154 Resp: 822660

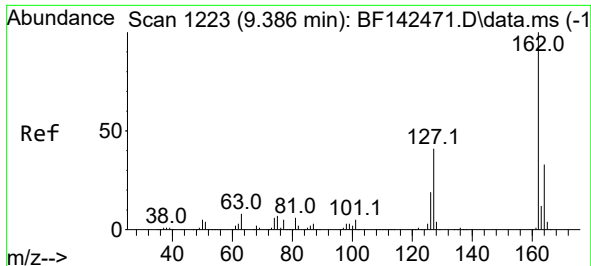
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.3 0.0 30.8





#47

2-Chloronaphthalene

Concen: 41.643 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF142531.D

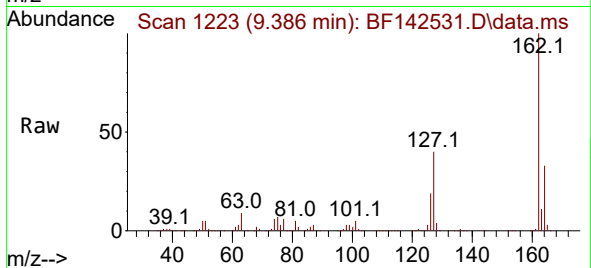
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



Tgt Ion:162 Resp: 60442

Ion Ratio Lower Upper

162 100

127 40.3 33.5 50.3

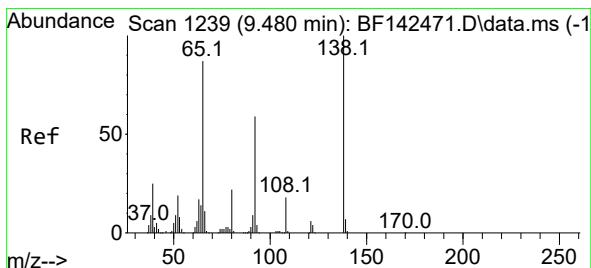
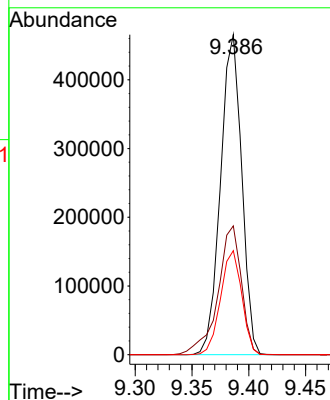
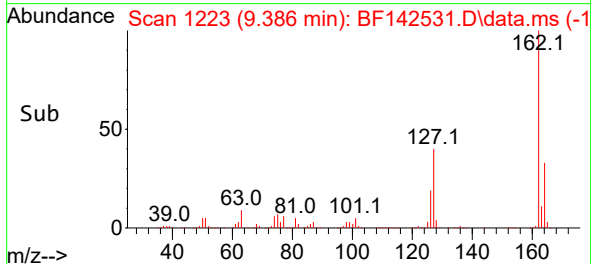
164 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#48

2-Nitroaniline

Concen: 42.603 ng

RT: 9.481 min Scan# 1239

Delta R.T. -0.005 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

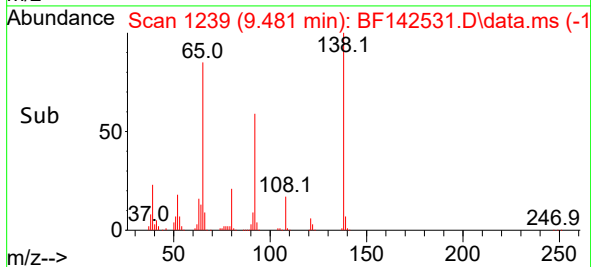
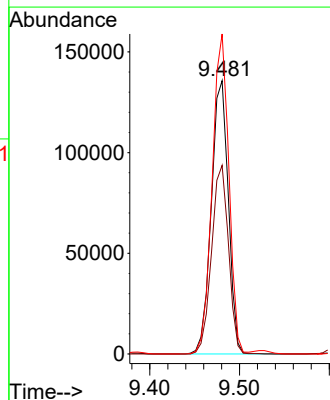
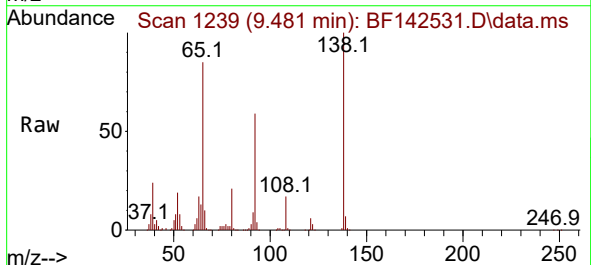
Tgt Ion: 65 Resp: 178733

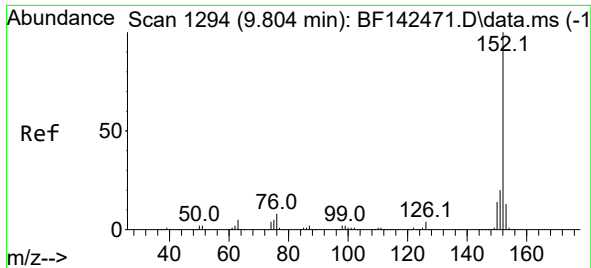
Ion Ratio Lower Upper

65 100

92 69.0 54.4 81.6

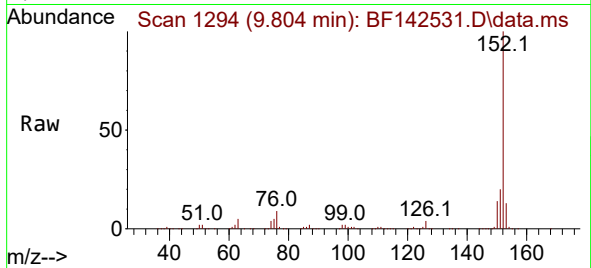
138 117.1 91.4 137.2





#49  
Acenaphthylene  
Concen: 41.523 ng  
RT: 9.804 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

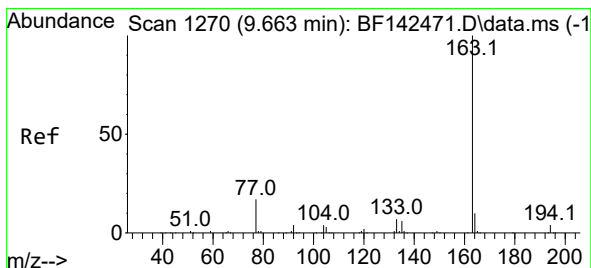
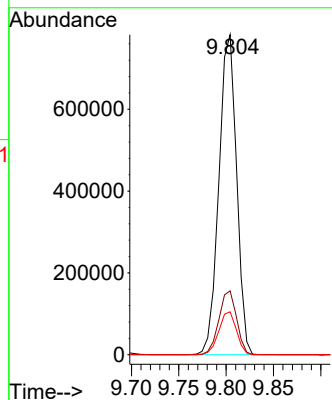
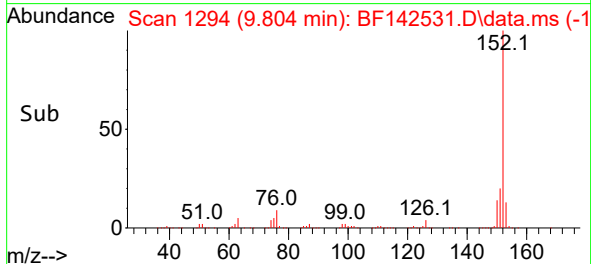
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



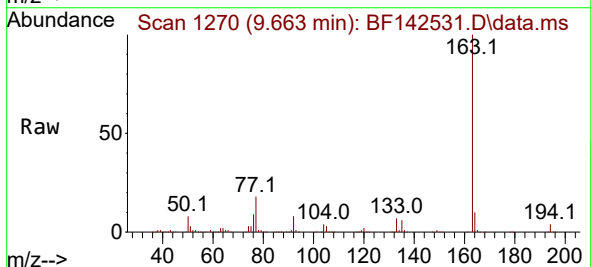
Tgt Ion:152 Resp: 1017688  
Ion Ratio Lower Upper  
152 100  
151 20.0 15.8 23.8  
153 13.4 10.6 15.8

Manual Integrations  
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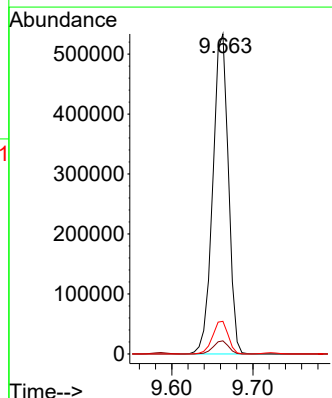
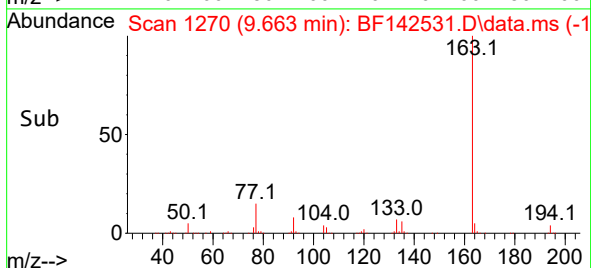
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

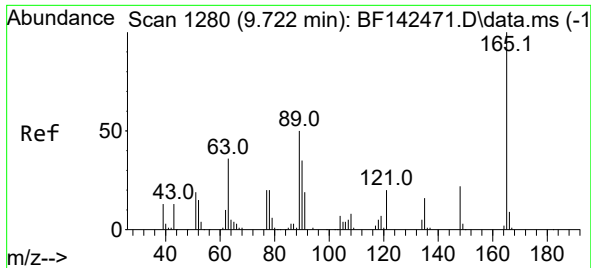


#50  
Dimethylphthalate  
Concen: 42.427 ng  
RT: 9.663 min Scan# 1270  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



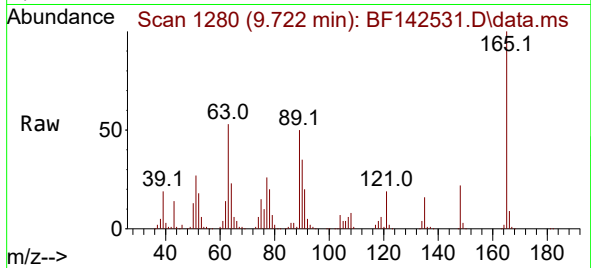
Tgt Ion:163 Resp: 708873  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 43.158 ng  
RT: 9.722 min Scan# 1280  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

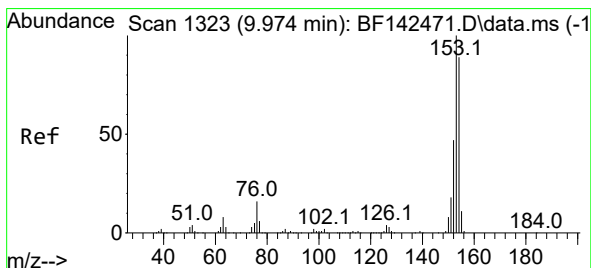
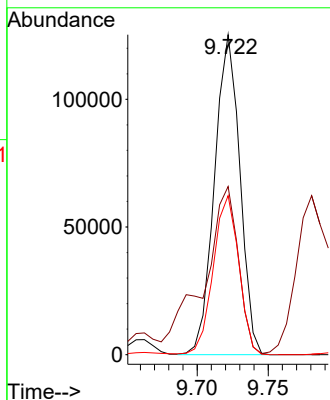
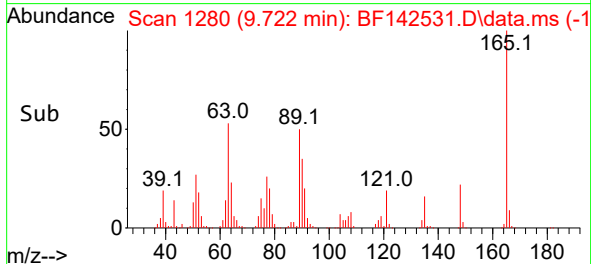
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:165 Resp: 155634  
Ion Ratio Lower Upper  
165 100  
63 52.6 42.9 64.3  
89 49.7 40.2 60.4

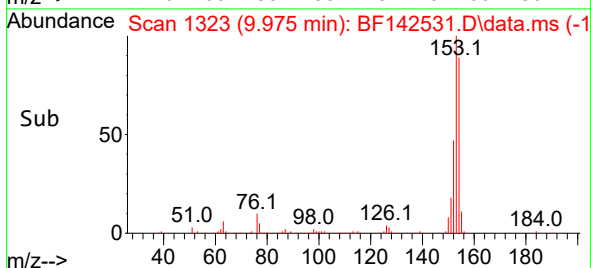
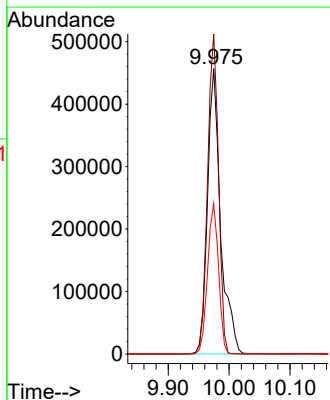
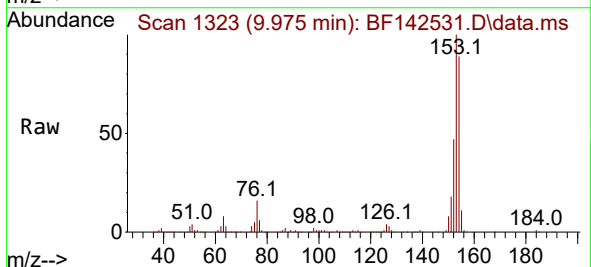
Manual Integrations  
APPROVED

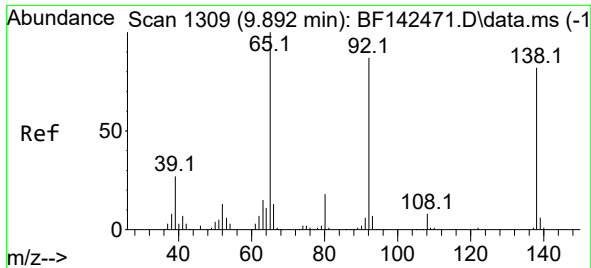
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#52  
Acenaphthene  
Concen: 45.765 ng  
RT: 9.975 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

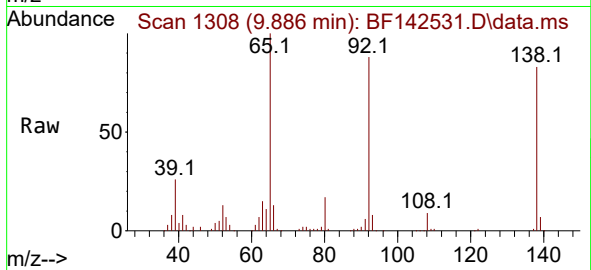
Tgt Ion:154 Resp: 684906  
Ion Ratio Lower Upper  
154 100  
153 112.2 90.0 135.0  
152 52.6 42.6 64.0





#53  
3-Nitroaniline  
Concen: 24.934 ng  
RT: 9.886 min Scan# 1308  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

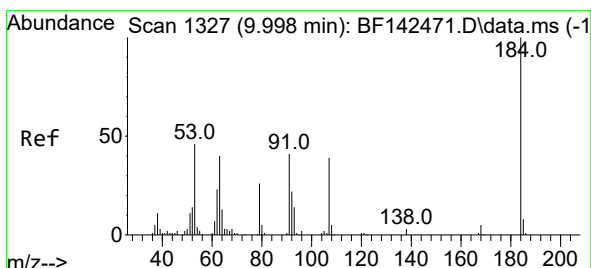
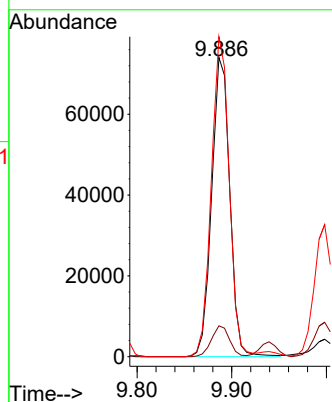
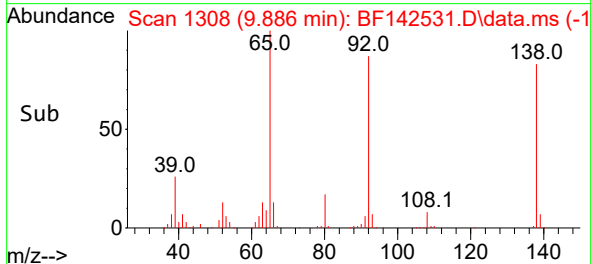
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:138 Resp: 9820  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.1 12.1  
92 106.9 85.2 127.8

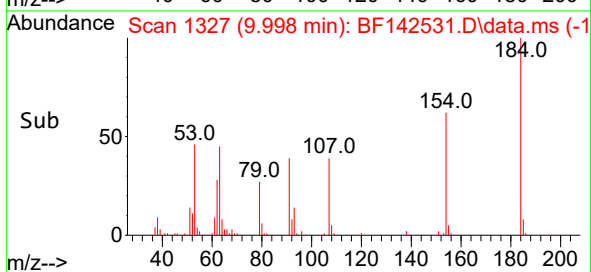
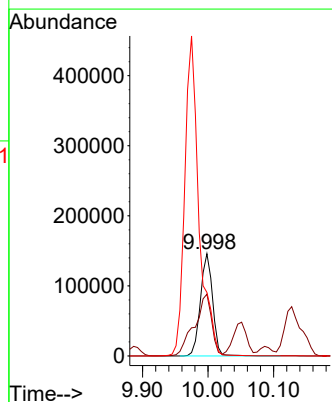
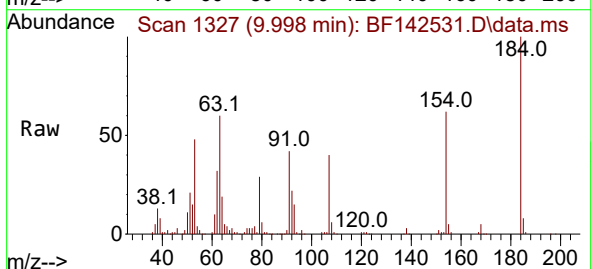
Manual Integrations  
APPROVED

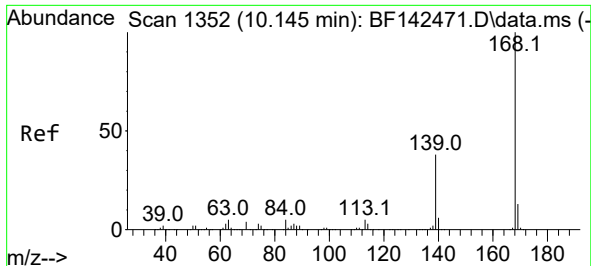
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#54  
2,4-Dinitrophenol  
Concen: 101.759 ng  
RT: 9.998 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

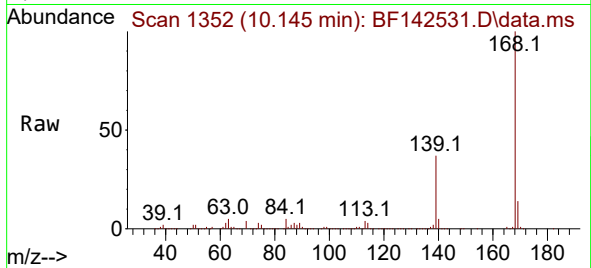
Tgt Ion:184 Resp: 189583  
Ion Ratio Lower Upper  
184 100  
63 60.4 46.3 69.5  
154 62.1 56.8 85.2





#55  
Dibenzenofuran  
Concen: 41.233 ng  
RT: 10.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

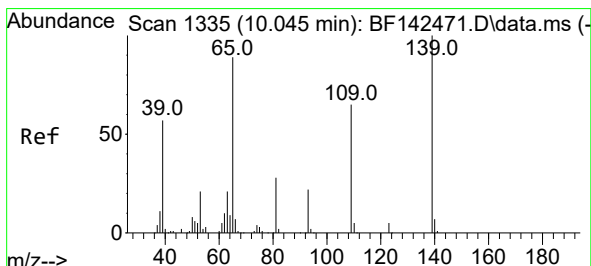
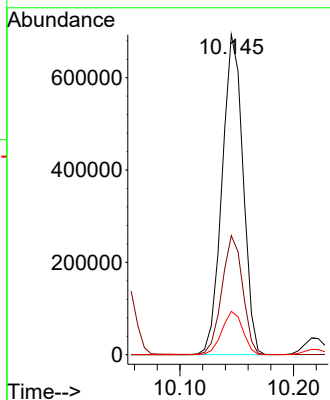
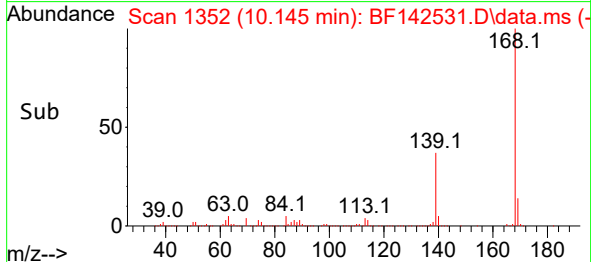
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:168 Resp: 88799  
Ion Ratio Lower Upper  
168 100  
139 37.2 30.2 45.2  
169 13.6 10.7 16.1

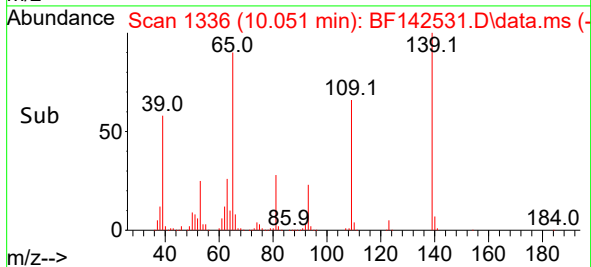
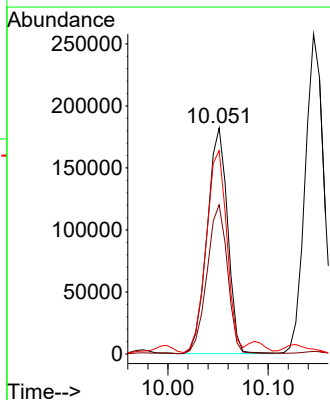
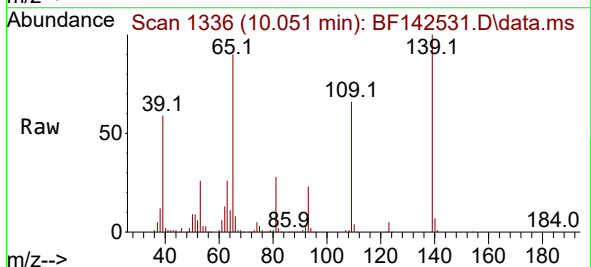
Manual Integrations  
APPROVED

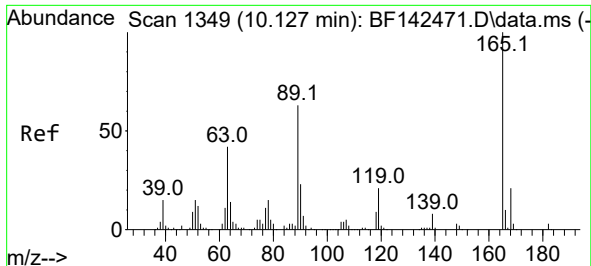
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#56  
4-Nitrophenol  
Concen: 89.074 ng  
RT: 10.051 min Scan# 1336  
Delta R.T. 0.000 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:139 Resp: 258869  
Ion Ratio Lower Upper  
139 100  
109 66.0 45.1 85.1  
65 90.0 69.7 109.7





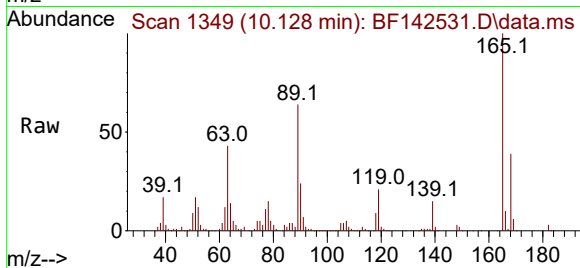
#57  
2,4-Dinitrotoluene  
Concen: 44.153 ng  
RT: 10.128 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



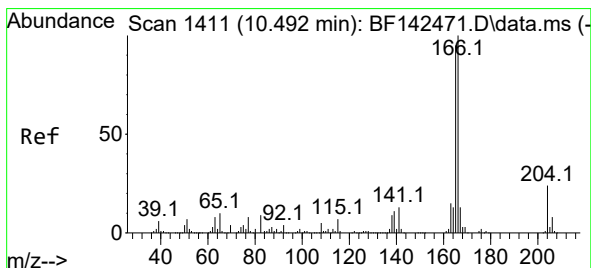
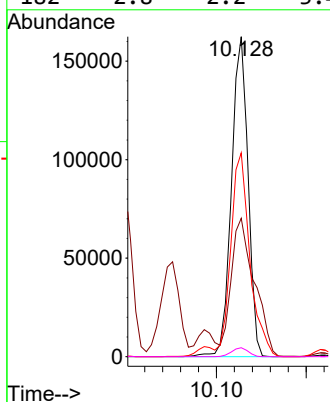
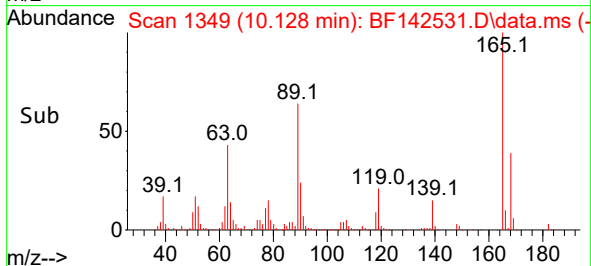
Tgt Ion:165 Resp: 207938  
Ion Ratio Lower Upper  
165 100  
63 43.2 33.6 50.4  
89 63.7 50.2 75.4  
182 2.8 2.2 3.4

Manual Integrations

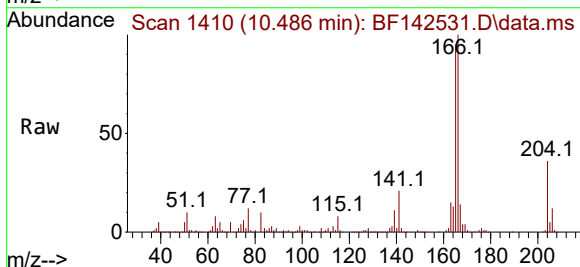
APPROVED

Reviewed By :Rahul Chavli 05/27/2025

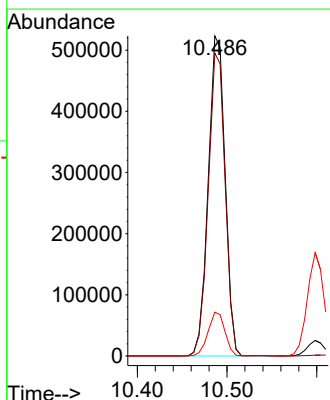
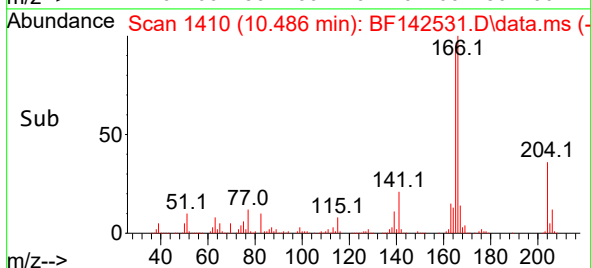
Supervised By :Jagrut Upadhyay 05/27/2025

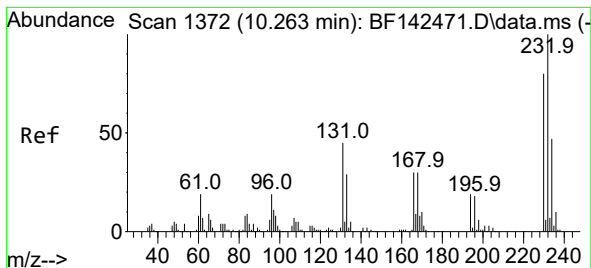


#58  
Fluorene  
Concen: 41.113 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



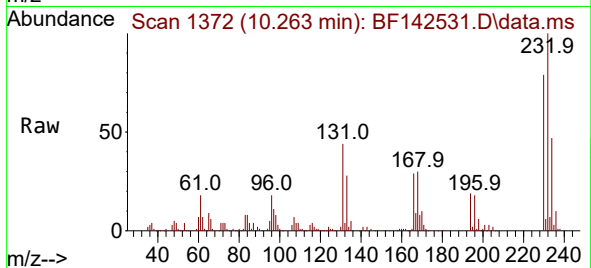
Tgt Ion:166 Resp: 684012  
Ion Ratio Lower Upper  
166 100  
165 94.6 75.8 113.8  
167 13.7 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.958 ng  
RT: 10.263 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

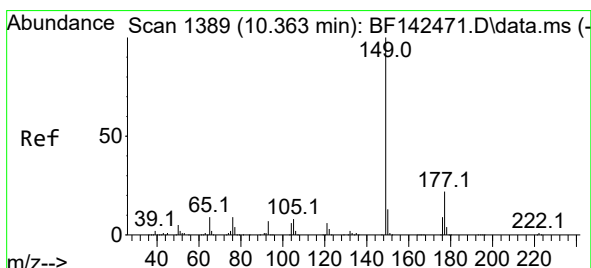
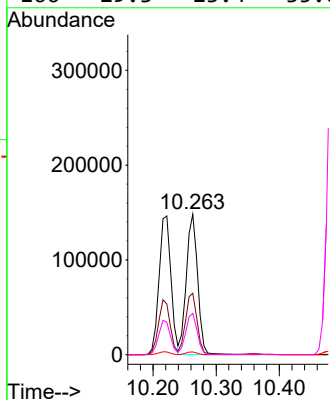
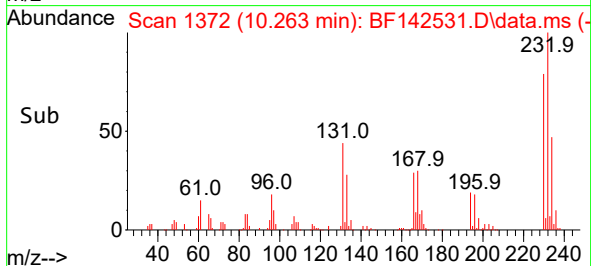
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



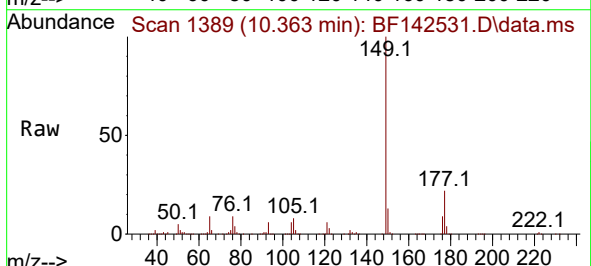
Tgt Ion:232 Resp: 185384  
Ion Ratio Lower Upper  
232 100  
131 43.7 35.2 52.8  
130 2.0 1.7 2.5  
166 29.3 23.4 35.0

Manual Integrations  
APPROVED

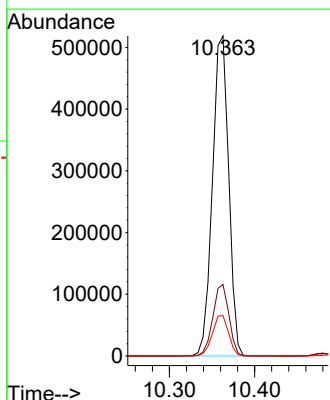
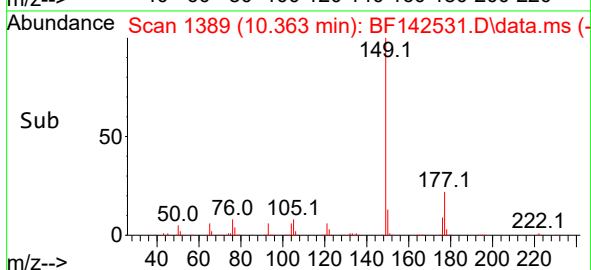
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

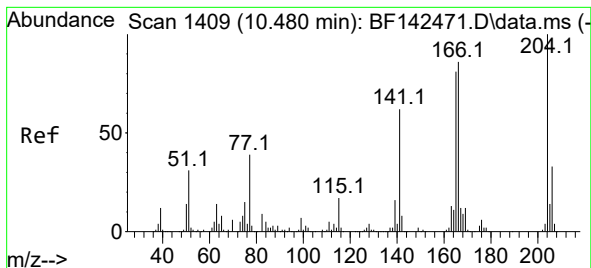


#60  
Diethylphthalate  
Concen: 42.044 ng  
RT: 10.363 min Scan# 1389  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



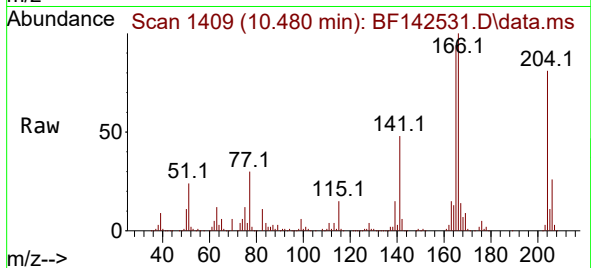
Tgt Ion:149 Resp: 686074  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.6 26.4  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 40.576 ng  
RT: 10.480 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

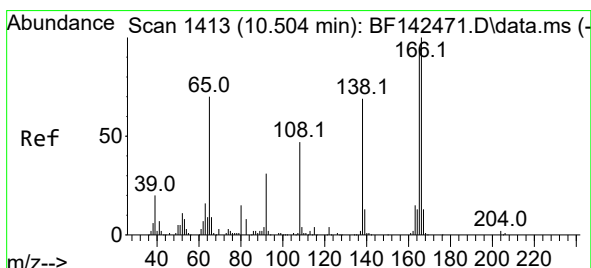
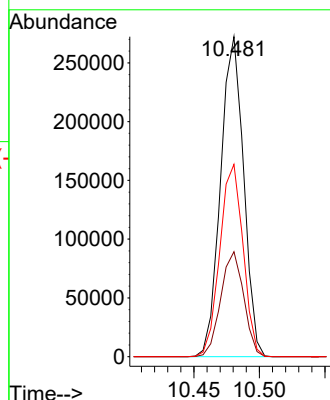
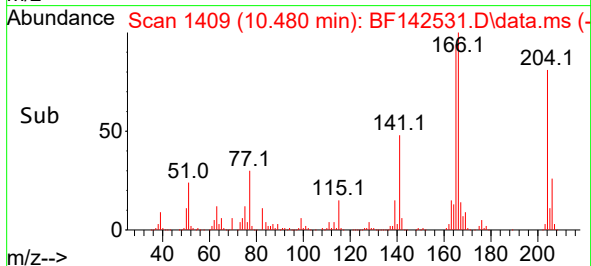
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



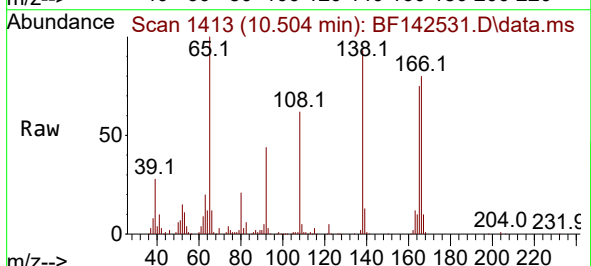
Tgt Ion:204 Resp: 331634  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.3 39.5  
141 60.1 49.5 74.3

Manual Integrations  
APPROVED

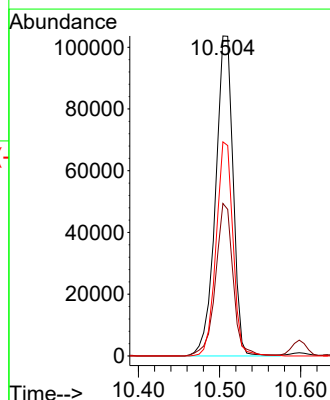
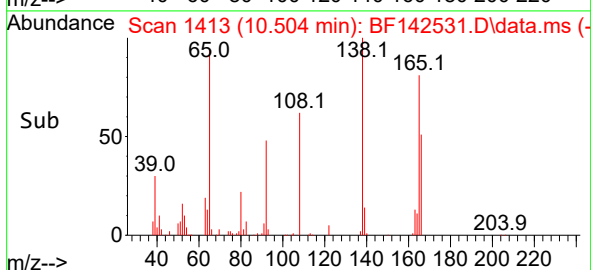
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

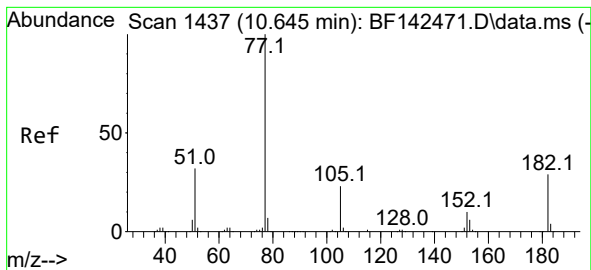


#62  
4-Nitroaniline  
Concen: 43.718 ng  
RT: 10.504 min Scan# 1413  
Delta R.T. -0.012 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



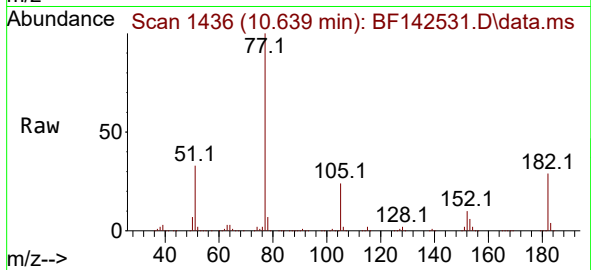
Tgt Ion:138 Resp: 156171  
Ion Ratio Lower Upper  
138 100  
92 47.7 26.0 66.0  
108 66.9 48.4 88.4





#63  
Azobenzene  
Concen: 46.237 ng  
RT: 10.639 min Scan# 1436  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

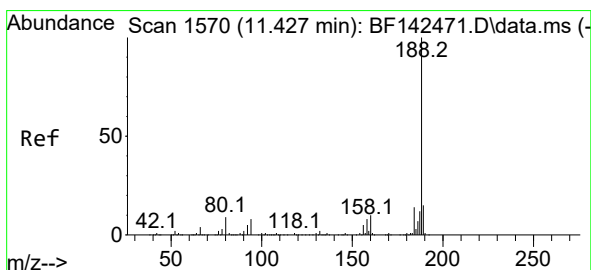
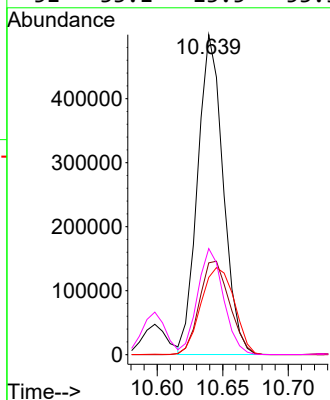
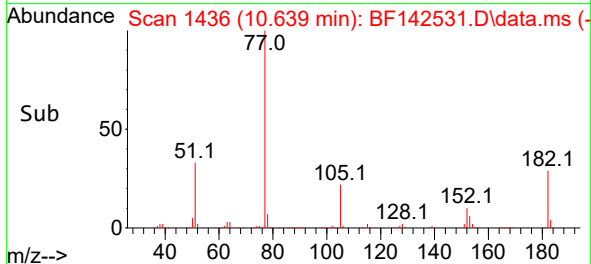
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



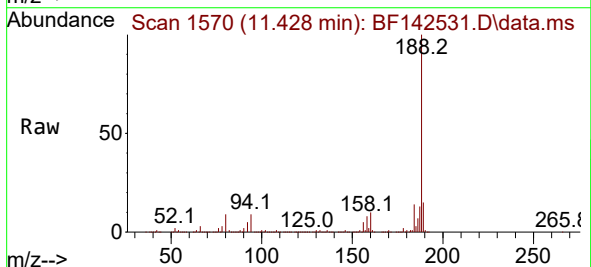
Tgt Ion: 77 Resp: 677660  
Ion Ratio Lower Upper  
77 100  
182 28.7 9.0 49.0  
105 24.1 2.4 42.4  
51 33.1 13.5 53.5

Manual Integrations  
APPROVED

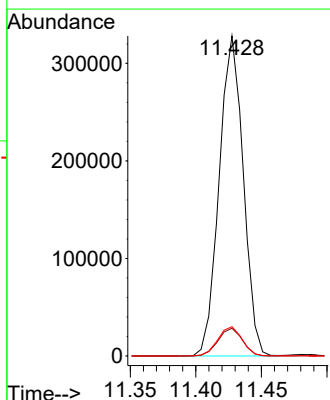
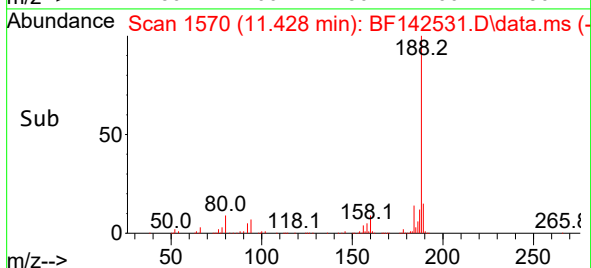
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

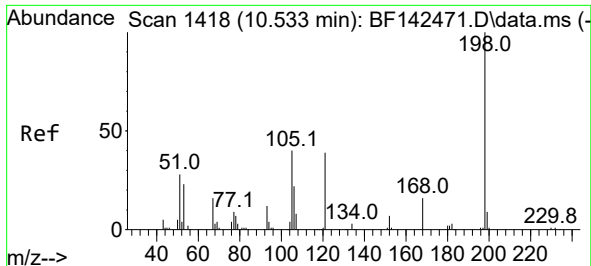


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.428 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:188 Resp: 418845  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.6 10.0  
80 9.1 7.4 11.0





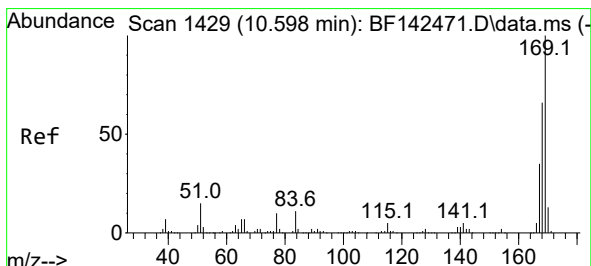
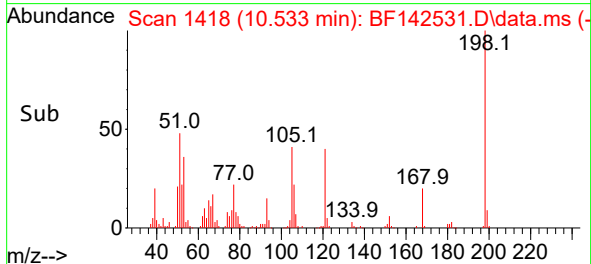
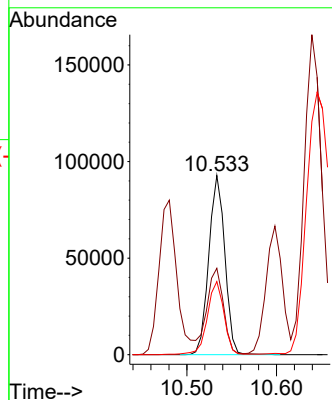
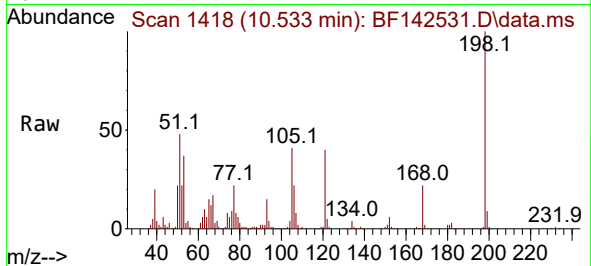
#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.359 ng  
RT: 10.533 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS

Tgt Ion:198 Resp: 11537  
Ion Ratio Lower Upper  
198 100  
51 48.3 28.3 68.3  
105 40.8 21.3 61.3

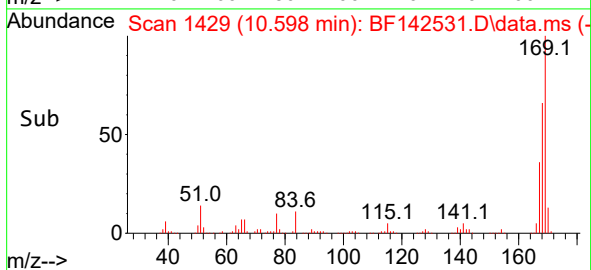
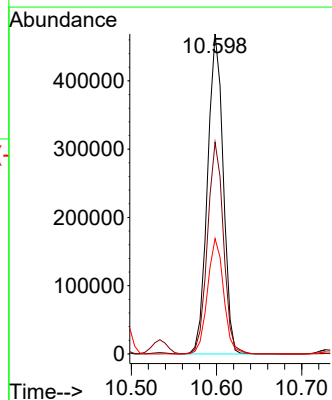
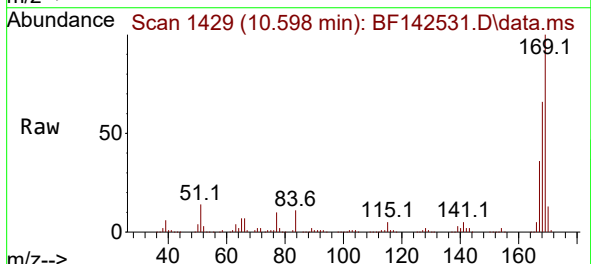
Manual Integrations  
APPROVED

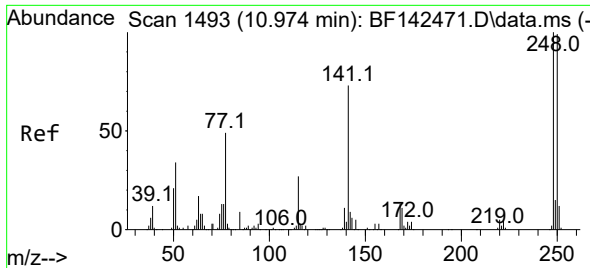
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#66  
n-Nitrosodiphenylamine  
Concen: 41.726 ng  
RT: 10.598 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

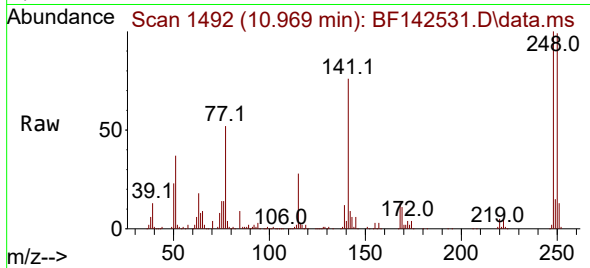
Tgt Ion:169 Resp: 597917  
Ion Ratio Lower Upper  
169 100  
168 66.2 52.7 79.1  
167 36.0 28.3 42.5





#67  
4-Bromophenyl-phenylether  
Concen: 41.130 ng  
RT: 10.969 min Scan# 1492  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

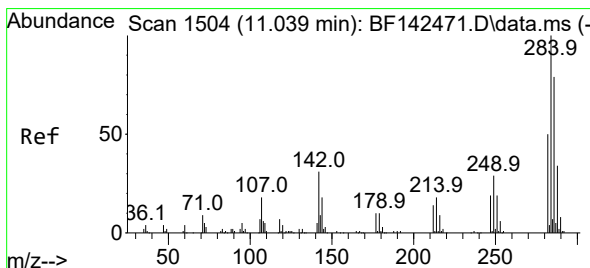
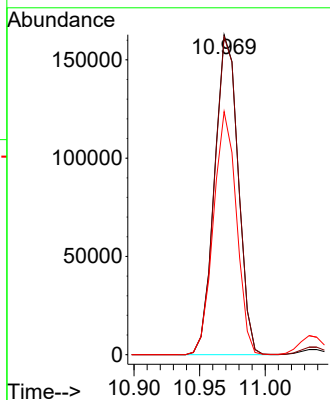
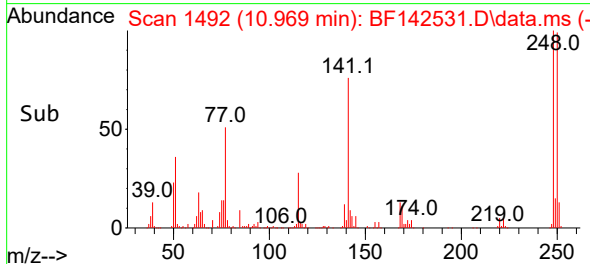
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



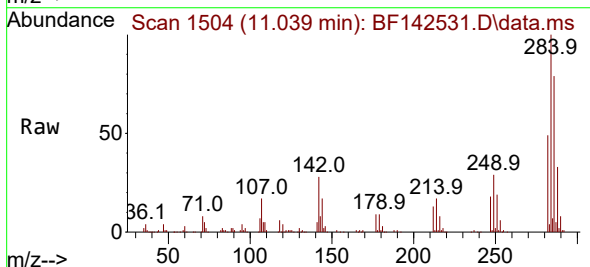
Tgt Ion:248 Resp: 203700  
Ion Ratio Lower Upper  
248 100  
250 99.3 79.0 118.4  
141 76.0 58.4 87.6

Manual Integrations  
APPROVED

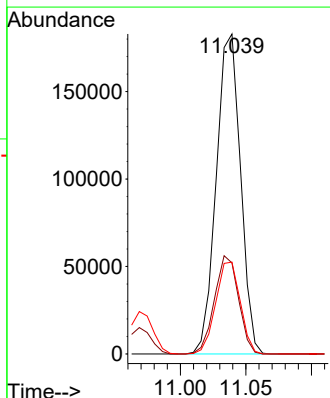
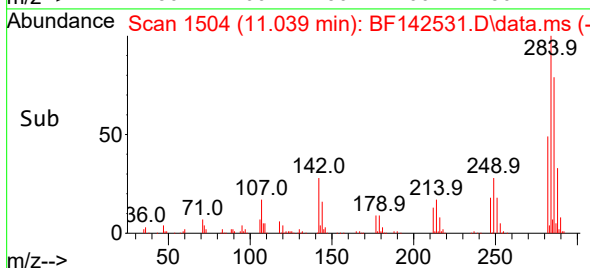
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

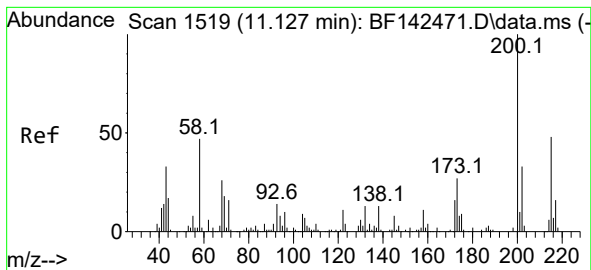


#68  
Hexachlorobenzene  
Concen: 42.896 ng  
RT: 11.039 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:284 Resp: 234968  
Ion Ratio Lower Upper  
284 100  
142 28.4 24.8 37.2  
249 28.7 23.6 35.4





#69

Atrazine

Concen: 47.516 ng

RT: 11.128 min Scan# 1519

Delta R.T. 0.001 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

Tgt Ion:200 Resp: 18082

Ion Ratio Lower Upper

200 100

173 26.8 7.4 47.4

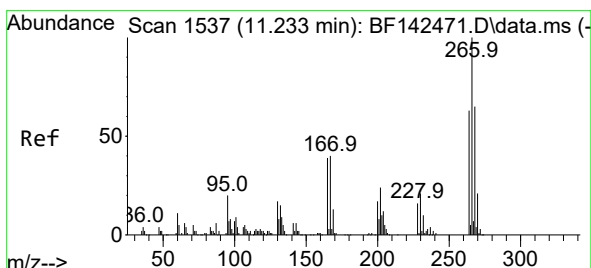
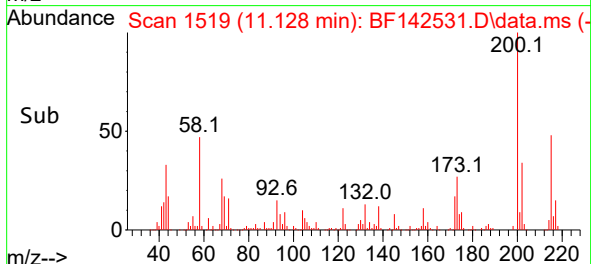
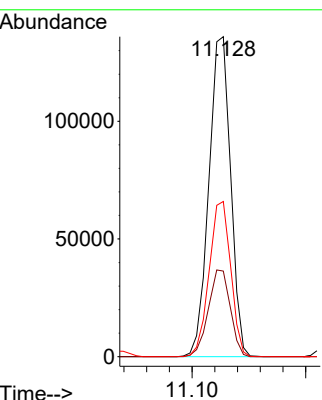
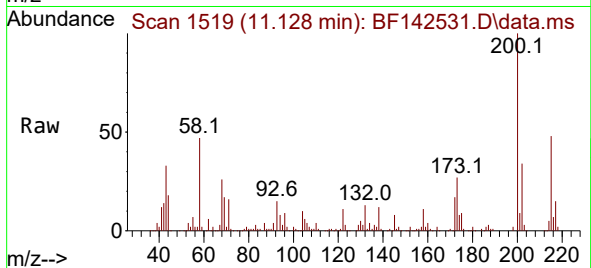
215 48.5 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#70

Pentachlorophenol

Concen: 88.481 ng

RT: 11.228 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

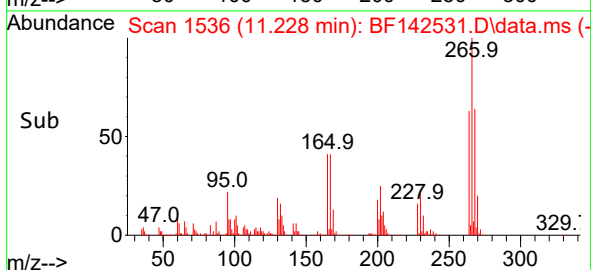
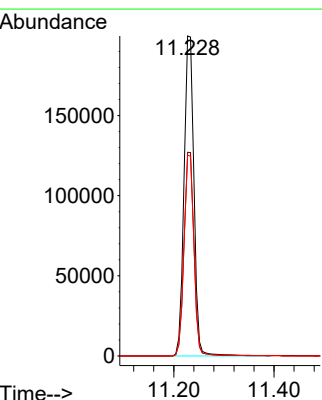
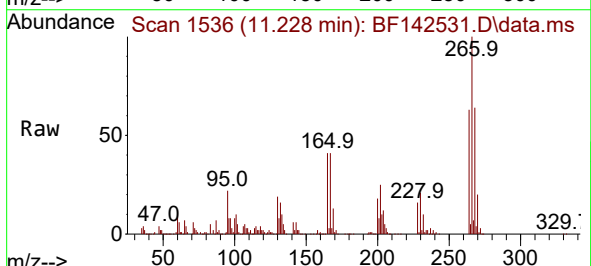
Tgt Ion:266 Resp: 273634

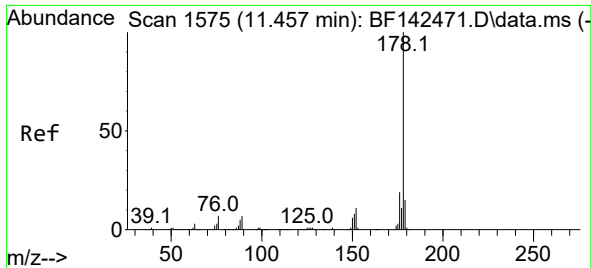
Ion Ratio Lower Upper

266 100

268 63.6 51.7 77.5

264 62.8 50.4 75.6





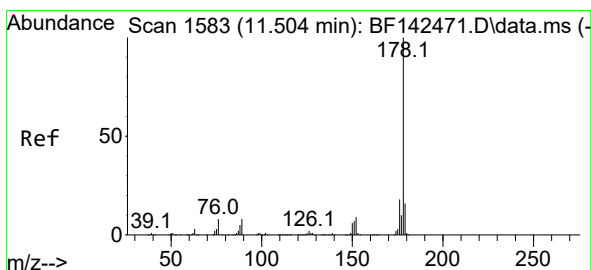
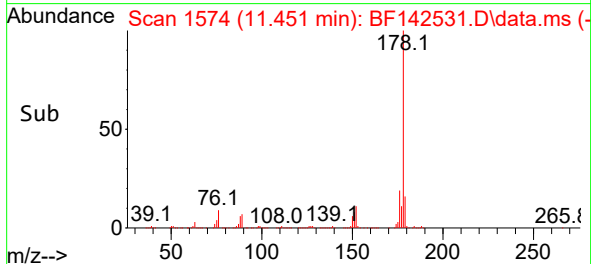
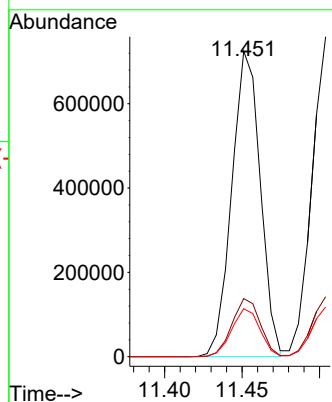
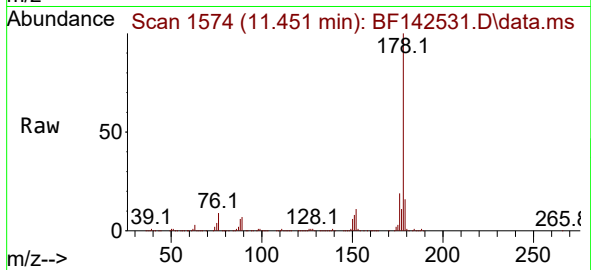
#71  
Phenanthrene  
Concen: 41.395 ng  
RT: 11.451 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS

Tgt Ion:178 Resp: 926579  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.4 23.0  
179 15.7 12.3 18.5

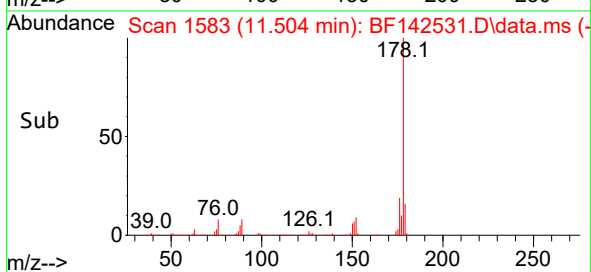
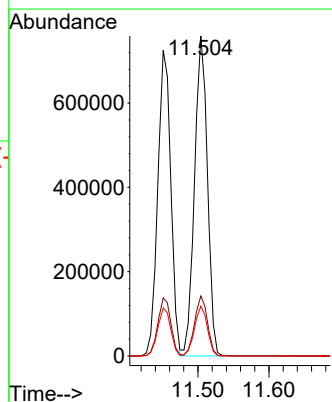
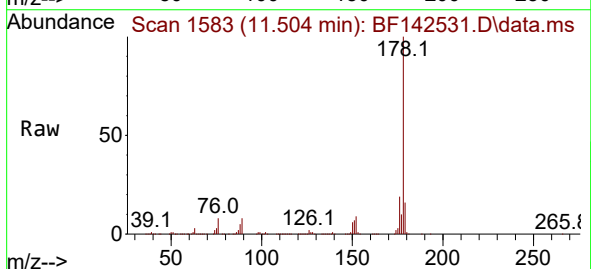
Manual Integrations  
APPROVED

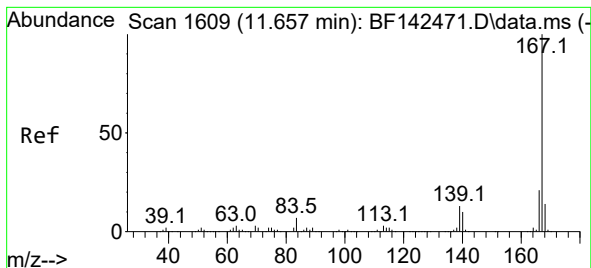
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#72  
Anthracene  
Concen: 41.912 ng  
RT: 11.504 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:178 Resp: 957466  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 21.8  
179 15.6 12.4 18.6





#73

Carbazole

Concen: 42.677 ng

RT: 11.657 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF142531.D

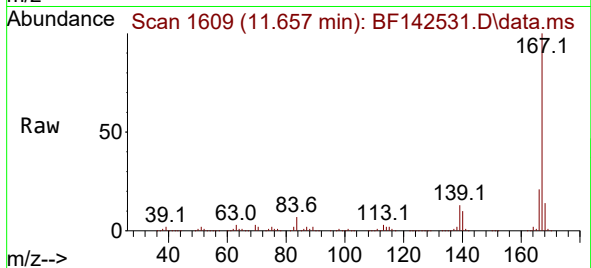
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS



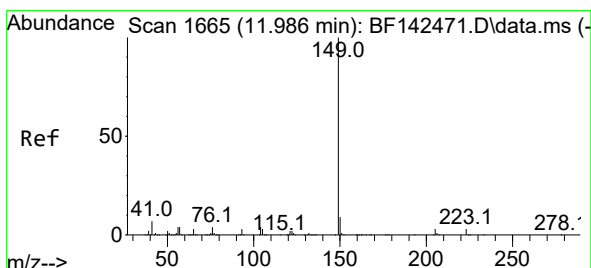
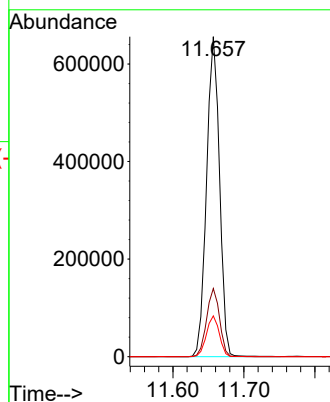
|             |                |
|-------------|----------------|
| Tgt Ion:167 | Resp: 83347    |
| Ion Ratio   | Lower Upper    |
| 167         | 100            |
| 166         | 21.3 16.9 25.3 |
| 139         | 12.8 10.2 15.4 |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#74

Di-n-butylphthalate

Concen: 46.001 ng

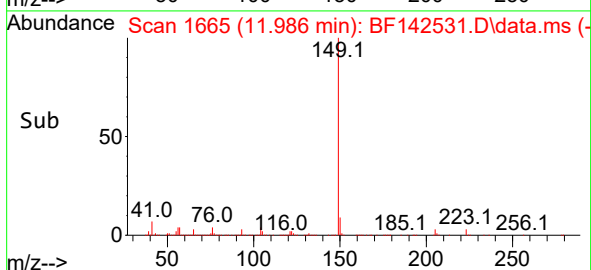
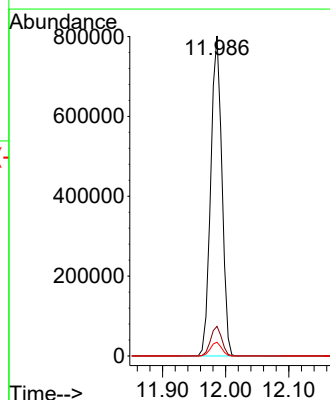
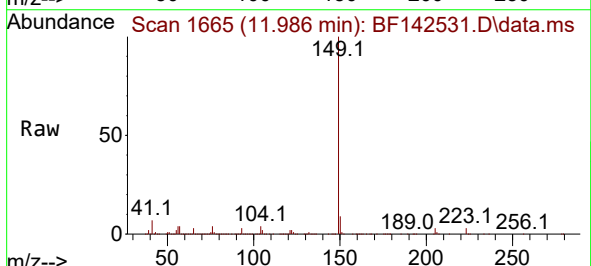
RT: 11.986 min Scan# 1665

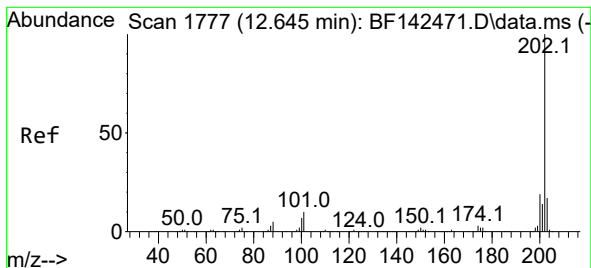
Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 983355 |
| Ion Ratio   | Lower Upper  |
| 149         | 100          |
| 150         | 9.2 7.3 10.9 |
| 104         | 4.3 3.6 5.4  |





#75

Fluoranthene

Concen: 42.725 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

Tgt Ion:202 Resp: 893614

Ion Ratio Lower Upper

202 100

101 10.7 0.0 29.6

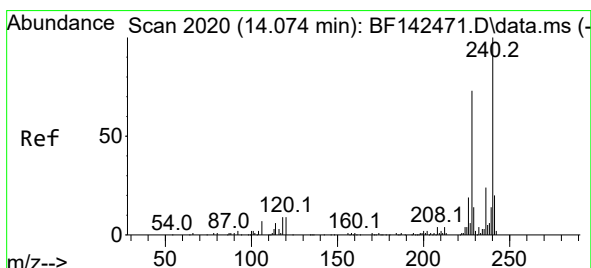
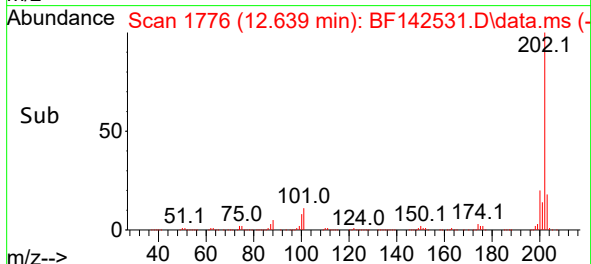
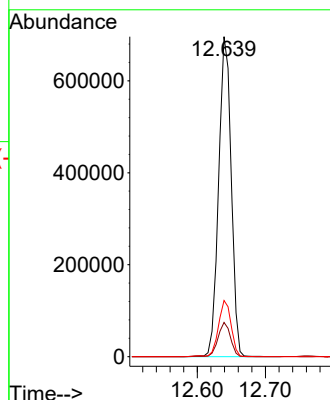
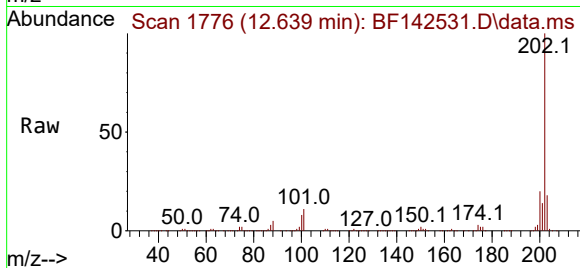
203 17.5 0.0 37.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.069 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

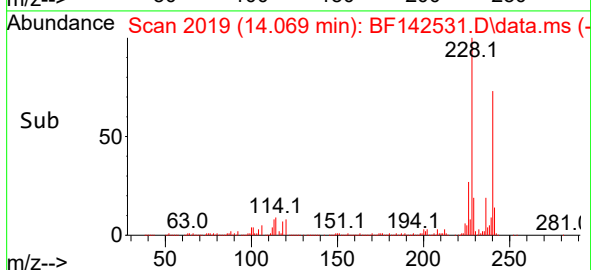
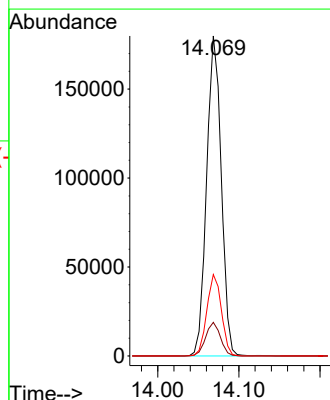
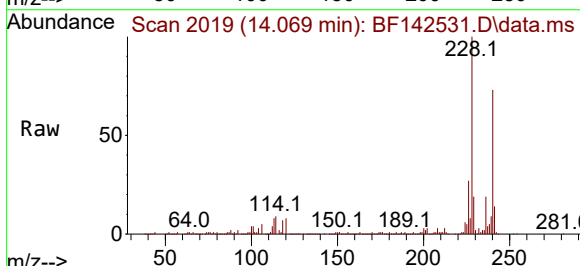
Tgt Ion:240 Resp: 224873

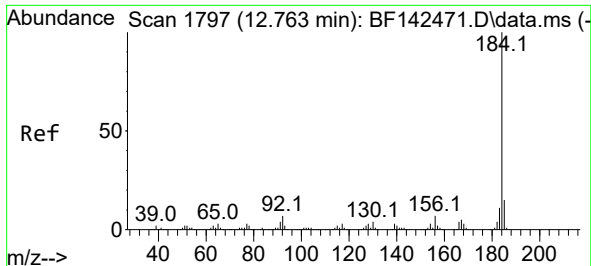
Ion Ratio Lower Upper

240 100

120 10.5 7.5 11.3

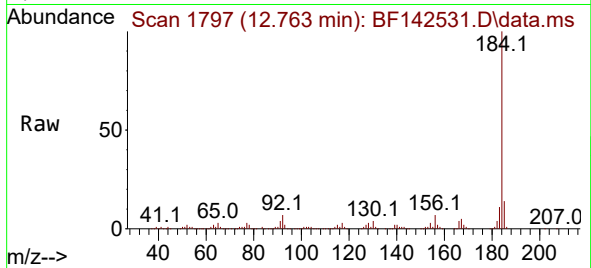
236 25.4 19.6 29.4





#77  
Benzidine  
Concen: 45.150 ng  
RT: 12.763 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

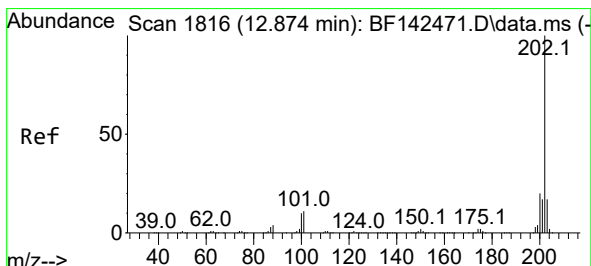
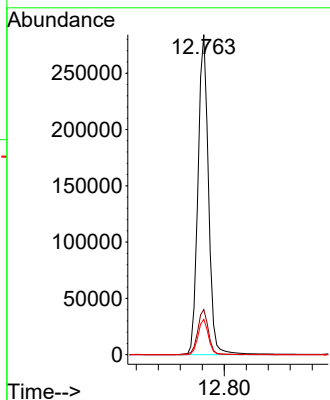
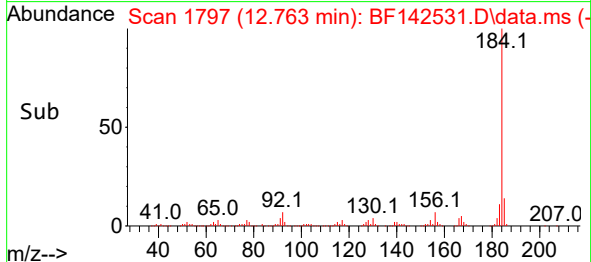
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



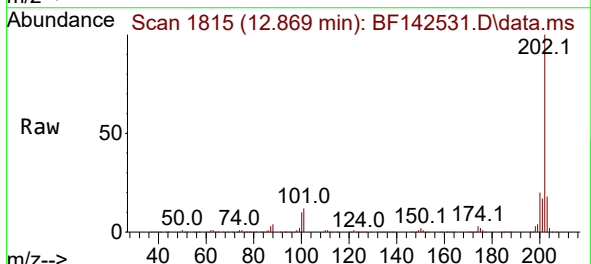
Tgt Ion:184 Resp: 377825  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.6 17.4  
183 11.0 9.0 13.4

Manual Integrations  
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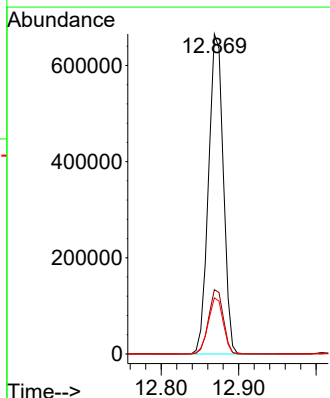
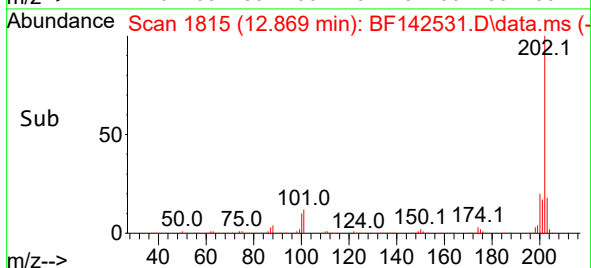
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

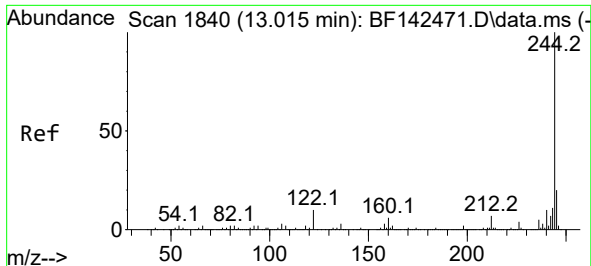


#78  
Pyrene  
Concen: 42.016 ng  
RT: 12.869 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



Tgt Ion:202 Resp: 881393  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.1 24.1  
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 56.427 ng

RT: 13.010 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

Tgt Ion:244 Resp: 92853

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

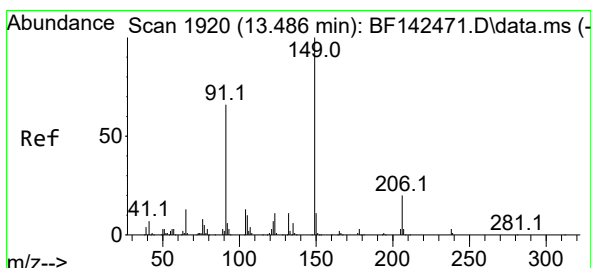
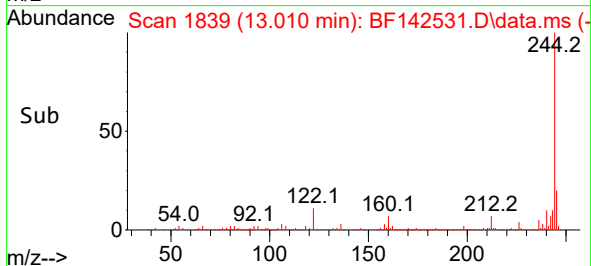
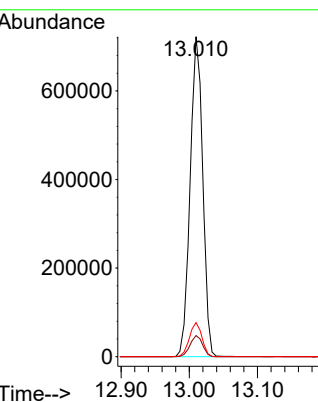
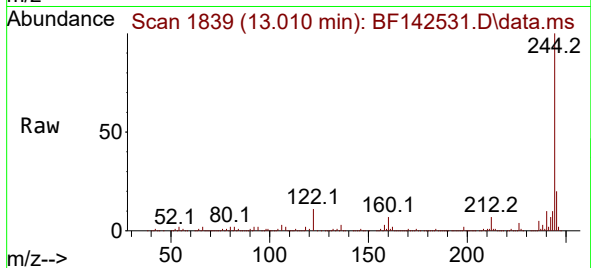
122 10.7 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#80

Butylbenzylphthalate

Concen: 51.890 ng

RT: 13.486 min Scan# 1920

Delta R.T. -0.006 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

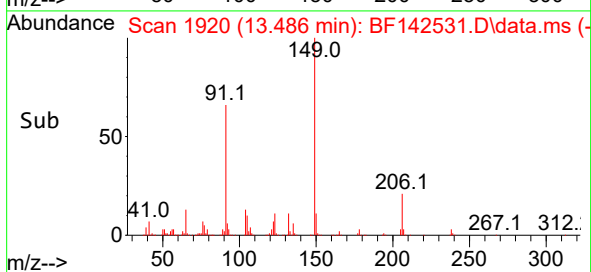
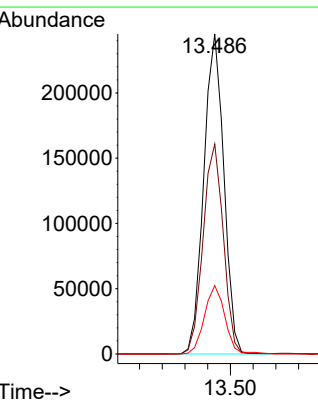
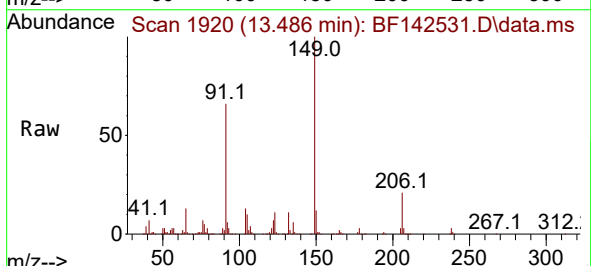
Tgt Ion:149 Resp: 300779

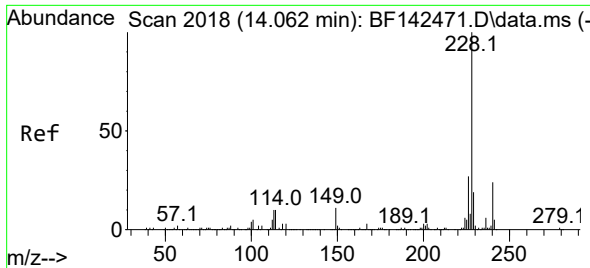
Ion Ratio Lower Upper

149 100

91 65.6 52.9 79.3

206 21.3 16.2 24.2





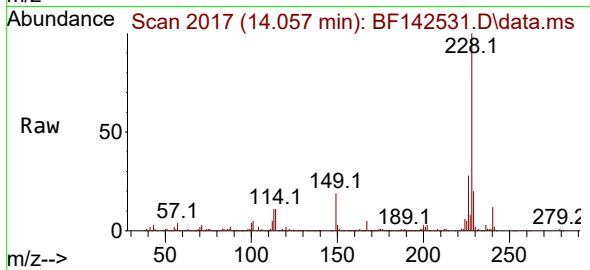
#81  
Benzo(a)anthracene  
Concen: 42.330 ng  
RT: 14.057 min Scan# 2017  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

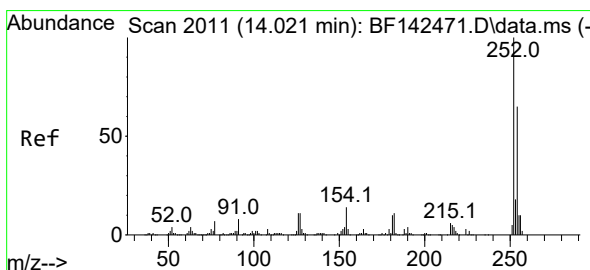
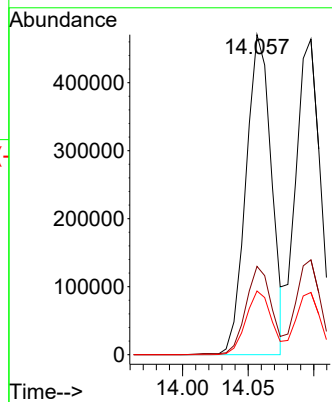
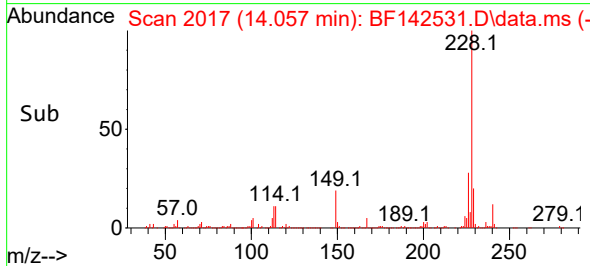


Tgt Ion:228 Resp: 635634  
Ion Ratio Lower Upper  
228 100  
226 27.6 21.2 31.8  
229 19.9 15.5 23.3

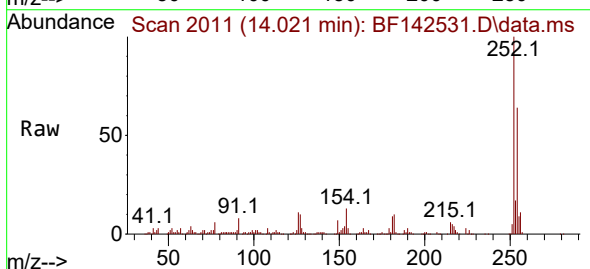
Manual Integrations

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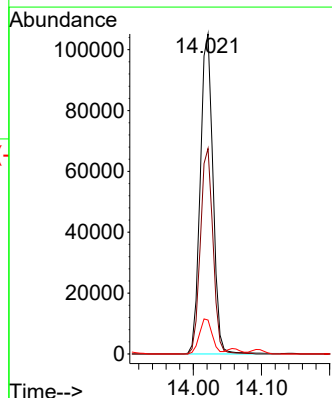
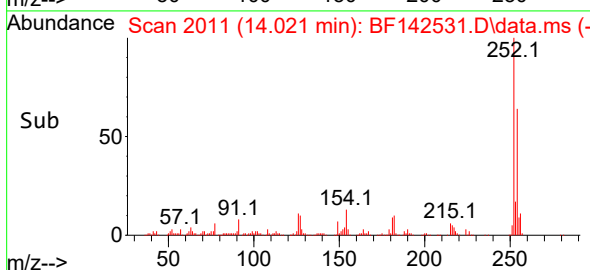
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

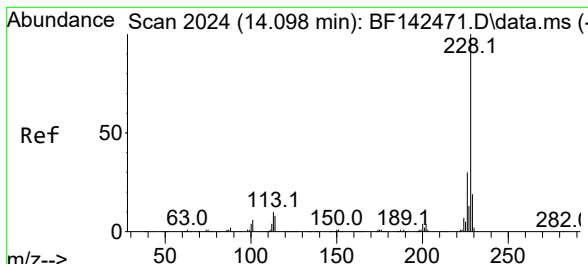


#82  
3,3'-Dichlorobenzidine  
Concen: 29.953 ng  
RT: 14.021 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12



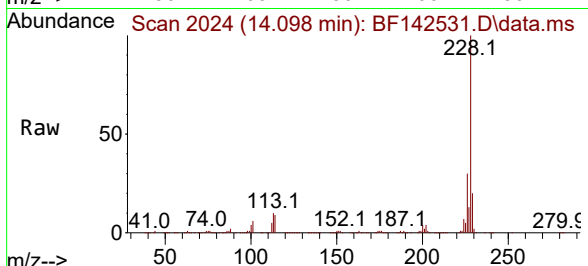
Tgt Ion:252 Resp: 136420  
Ion Ratio Lower Upper  
252 100  
254 64.2 52.0 78.0  
126 10.6 8.9 13.3





#83  
 Chrysene  
 Concen: 44.628 ng  
 RT: 14.098 min Scan# 2024  
 Delta R.T. -0.006 min  
 Lab File: BF142531.D  
 Acq: 23 May 2025 13:12

Instrument : BNA\_F  
 ClientSampleId : TP-45MS

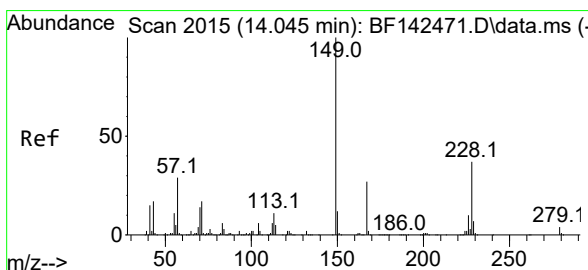
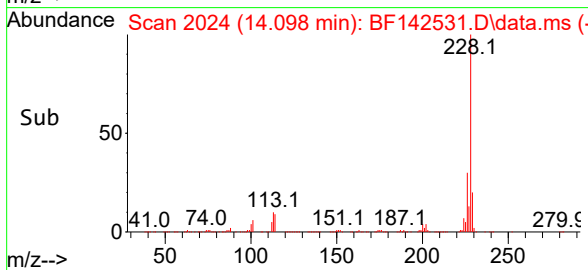
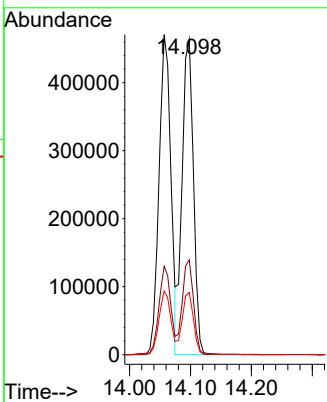


Tgt Ion: 228 Resp: 602154

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.1  | 23.8  | 35.6  |
| 229 | 19.7  | 15.4  | 23.2  |

Manual Integrations  
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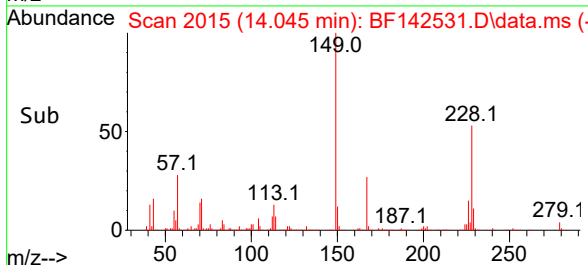
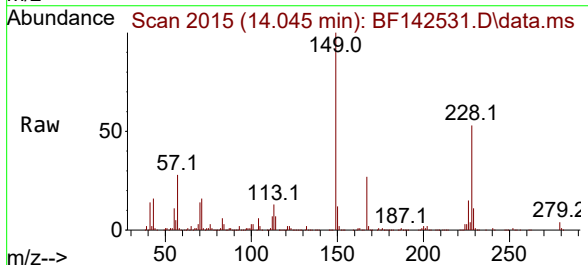
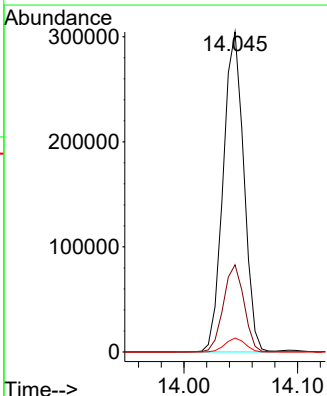
Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/27/2025

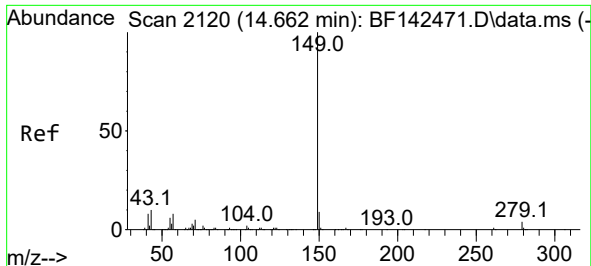


#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 51.745 ng  
 RT: 14.045 min Scan# 2015  
 Delta R.T. -0.006 min  
 Lab File: BF142531.D  
 Acq: 23 May 2025 13:12

Tgt Ion: 149 Resp: 383963

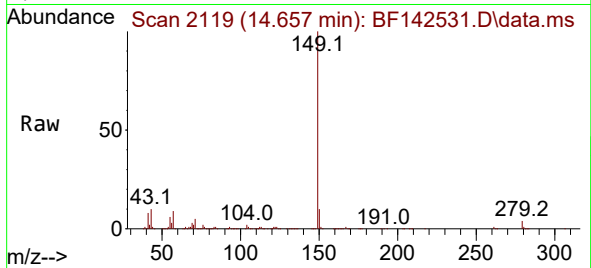
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.2  | 21.5  | 32.3  |
| 279 | 4.3   | 3.2   | 4.8   |





#85  
Di-n-octyl phthalate  
Concen: 42.606 ng  
RT: 14.657 min Scan# 2119  
Delta R.T. -0.011 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

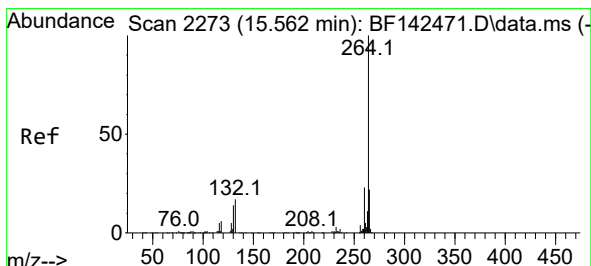
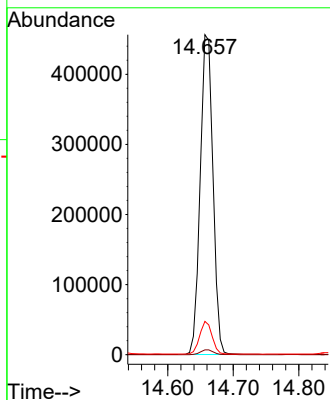
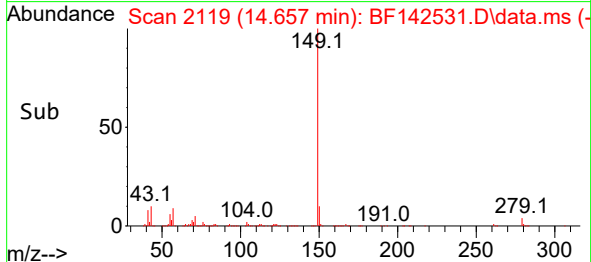
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:149 Resp: 61817  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.9 7.9 11.9

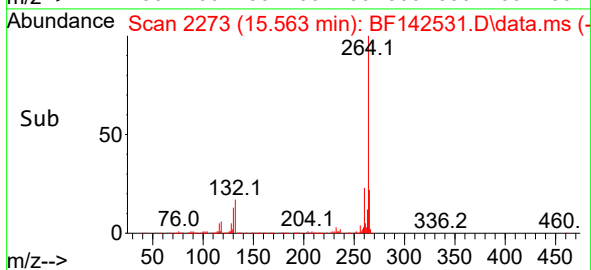
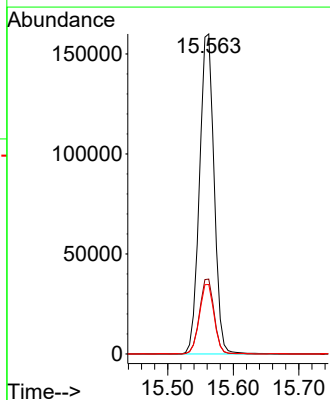
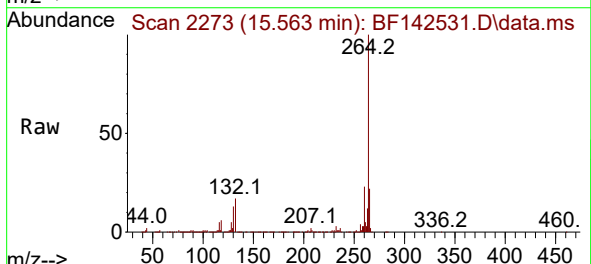
Manual Integrations  
APPROVED

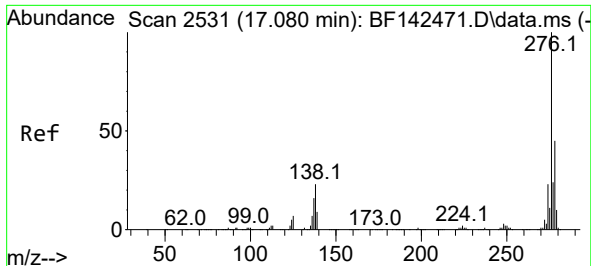
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.563 min Scan# 2273  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

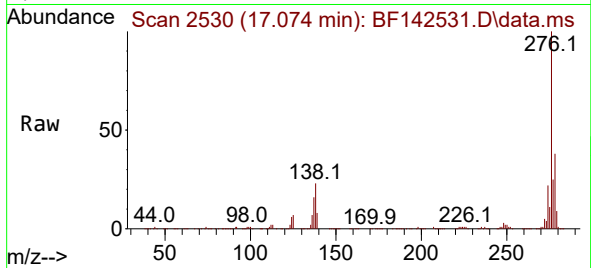
Tgt Ion:264 Resp: 247916  
Ion Ratio Lower Upper  
264 100  
260 23.4 18.6 28.0  
265 21.7 17.7 26.5





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 42.949 ng  
RT: 17.074 min Scan# 2198  
Delta R.T. -0.017 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

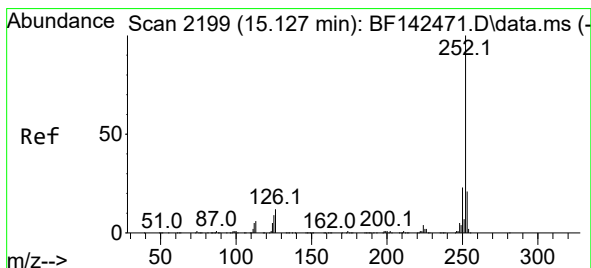
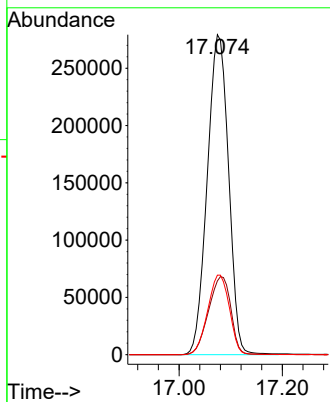
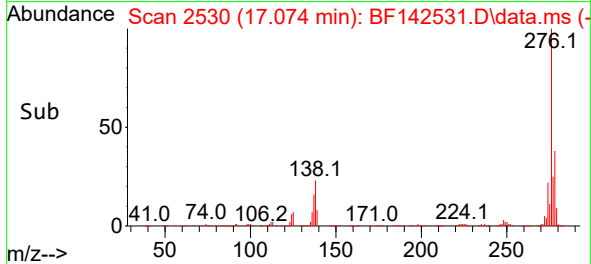
Instrument :  
BNA\_F  
ClientSampleId :  
TP-45MS



Tgt Ion:276 Resp: 79936  
Ion Ratio Lower Upper  
276 100  
138 25.5 19.9 29.9  
277 25.4 20.2 30.2

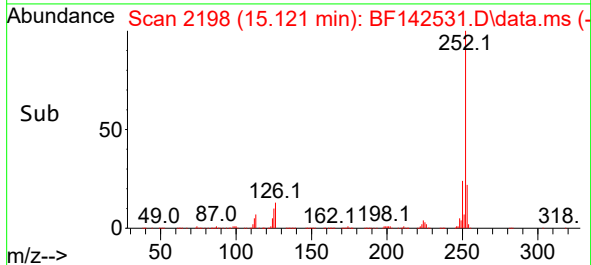
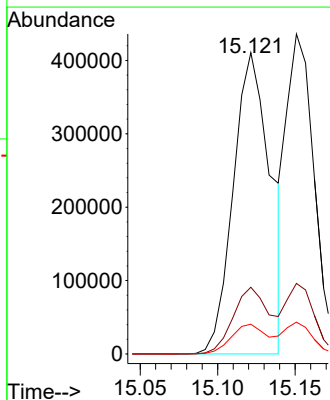
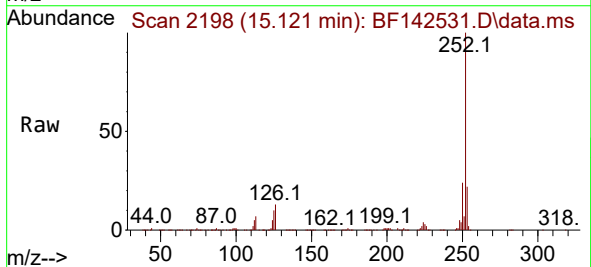
Manual Integrations  
APPROVED

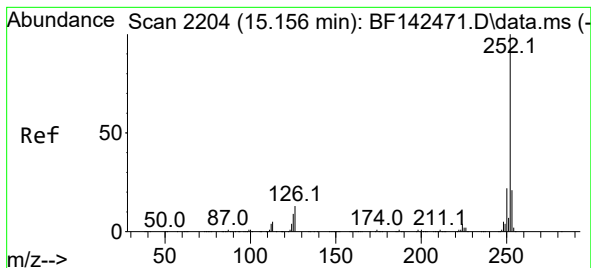
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#88  
Benzo(b)fluoranthene  
Concen: 46.615 ng  
RT: 15.121 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:252 Resp: 683971  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.0 25.4  
125 9.9 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 39.392 ng

RT: 15.151 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

TP-45MS

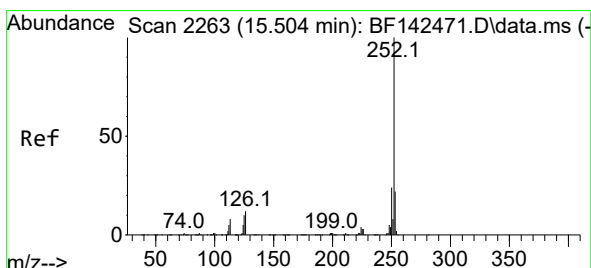
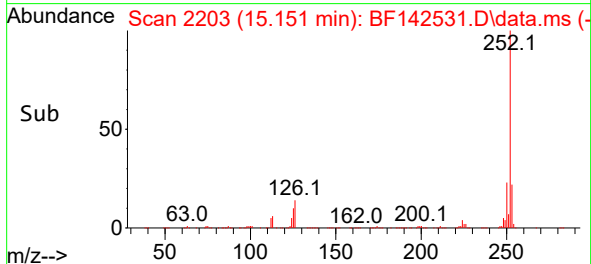
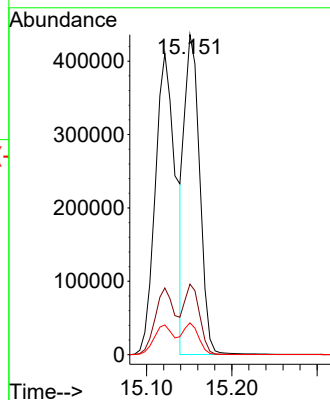
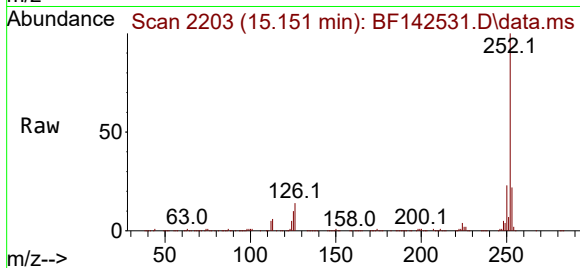
Tgt Ion:252 Resp: 541354  
 Ion Ratio Lower Upper  
 252 100  
 253 22.0 17.0 25.4  
 125 9.9 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#90

Benzo(a)pyrene

Concen: 44.124 ng

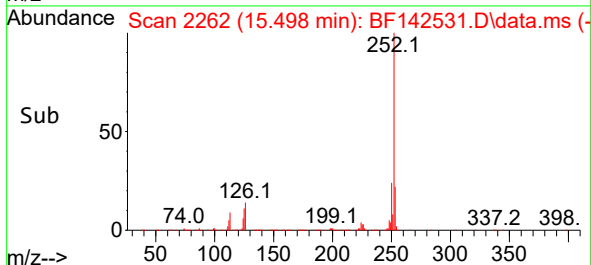
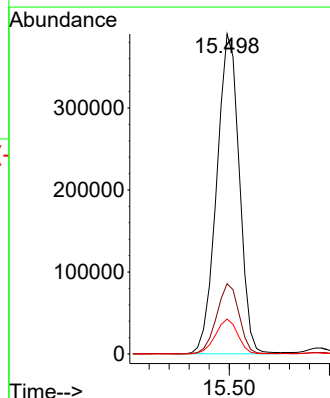
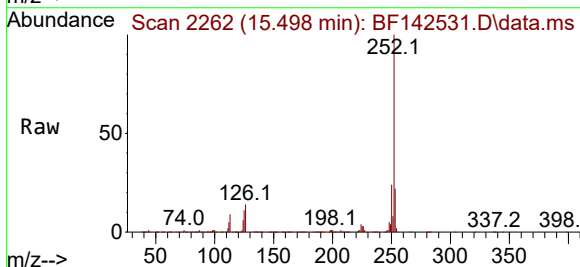
RT: 15.498 min Scan# 2262

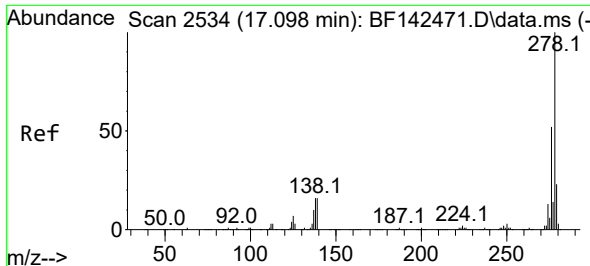
Delta R.T. -0.012 min

Lab File: BF142531.D

Acq: 23 May 2025 13:12

Tgt Ion:252 Resp: 610255  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.4 26.0  
 125 10.9 7.9 11.9





#91  
Dibenzo(a,h)anthracene  
Concen: 42.704 ng  
RT: 17.092 min Scan# 21  
Delta R.T. -0.023 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Instrument :

BNA\_F

ClientSampleId :

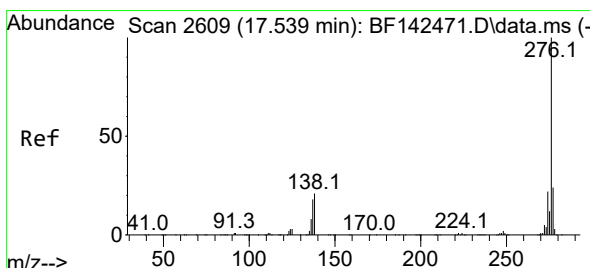
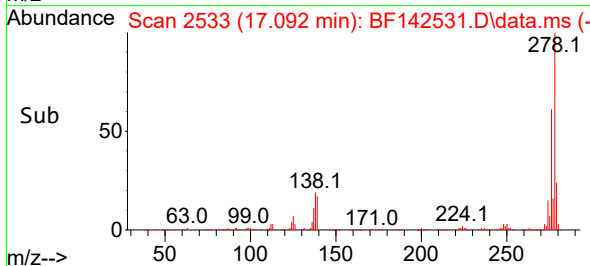
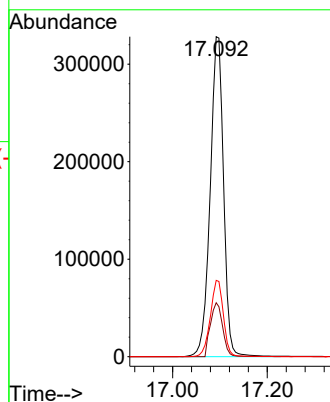
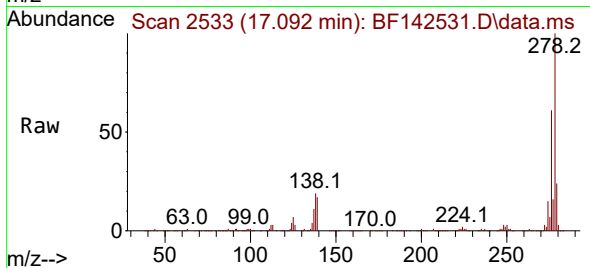
TP-45MS

Tgt Ion:278 Resp: 64462  
Ion Ratio Lower Upper  
278 100  
139 16.8 12.8 19.2  
279 23.8 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#92  
Benzo(g,h,i)perylene  
Concen: 43.051 ng  
RT: 17.533 min Scan# 2608  
Delta R.T. -0.023 min  
Lab File: BF142531.D  
Acq: 23 May 2025 13:12

Tgt Ion:276 Resp: 650002  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.2 28.8  
138 22.4 16.8 25.2

