

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060525\  
 Data File : BF142630.D  
 Acq On : 05 Jun 2025 13:07  
 Operator : RC/JU  
 Sample : Q2194-03MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-13MSD

Quant Time: Jun 05 13:36:41 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 06/06/2025  
 Supervised By :Jagrut Upadhyay 06/06/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 123357   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.181  | 136  | 463790   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 232069   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 359383   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.068 | 240  | 228816   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 274428   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 606643   | 82.853 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.528  | 99   | 725535   | 82.317 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.457  | 82   | 442951   | 52.079 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.727 | 330  | 199475   | 77.446 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 866115   | 50.080 | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.010 | 244  | 668267   | 39.911 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.734  | 88   | 117333   | 40.046 | ng    | 97       |
| 3) Pyridine                   | 3.493  | 79   | 318357   | 42.668 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 168553   | 43.509 | ng    | 89       |
| 6) Aniline                    | 6.557  | 93   | 422068   | 35.614 | ng    | 97       |
| 8) 2-Chlorophenol             | 6.681  | 128  | 354006   | 44.389 | ng    | 99       |
| 9) Benzaldehyde               | 6.445  | 77   | 186774   | 35.232 | ng    | 99       |
| 10) Phenol                    | 6.539  | 94   | 425836   | 42.938 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.628  | 93   | 313745   | 43.948 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.839  | 146  | 384366   | 43.191 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.916  | 146  | 387280   | 43.203 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.063  | 146  | 376839   | 43.933 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.034  | 79   | 278195   | 42.711 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.169  | 45   | 518664   | 43.262 | ng    | 98       |
| 17) 2-Methylphenol            | 7.145  | 107  | 266908   | 42.866 | ng    | 100      |
| 18) Hexachloroethane          | 7.410  | 117  | 136975   | 43.760 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.304  | 70   | 220986   | 40.455 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.298  | 107  | 323534   | 40.575 | ng    | 97       |
| 22) Acetophenone              | 7.304  | 105  | 439621   | 42.819 | ng    | 98       |
| 24) Nitrobenzene              | 7.481  | 77   | 336215   | 43.829 | ng    | 98       |
| 25) Isophorone                | 7.716  | 82   | 599610   | 42.165 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.792  | 139  | 192003   | 46.842 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.833  | 122  | 308954   | 42.741 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 385605   | 43.408 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.039  | 162  | 286625   | 43.601 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 316300   | 44.335 | ng    | 98       |
| 31) Naphthalene               | 8.204  | 128  | 990347   | 43.366 | ng    | 100      |
| 32) Benzoic acid              | 7.945  | 122  | 199134   | 45.256 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 220081   | 23.783 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.316  | 225  | 191757   | 43.046 | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 85131m   | 46.109 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.733  | 107  | 276250   | 41.005 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 603054   | 41.975 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.992  | 142  | 620345   | 41.743 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 307948   | 46.227 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.045  | 237  | 381130   | 84.810 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.169  | 196  | 204875   | 45.608 | ng    | 97       |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-13MSD

Manual Integrations  
 APPROVED

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 Supervised By :Jagrut Upadhyay 06/06/2025

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.210  | 196  | 206573   | 43.603  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 809190   | 44.944  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 601823   | 45.242  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.480  | 65   | 173466   | 45.115  | ng    | 96       |
| 49) Acenaphthylene            | 9.798  | 152  | 984557   | 43.832  | ng    | 99       |
| 50) Dimethylphthalate         | 9.657  | 163  | 661895   | 43.225  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 148392   | 44.900  | ng    | 95       |
| 52) Acenaphthene              | 9.975  | 154  | 654841   | 47.744  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 106885   | 29.610  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.998  | 184  | 175836   | 102.981 | ng    | 92       |
| 55) Dibenzofuran              | 10.145 | 168  | 846807   | 42.904  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.051 | 139  | 242899   | 91.196  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.127 | 165  | 195481   | 45.290  | ng    | 98       |
| 58) Fluorene                  | 10.486 | 166  | 646129   | 42.375  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232  | 173703   | 43.920  | ng    | 97       |
| 60) Diethylphthalate          | 10.357 | 149  | 631869   | 42.251  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 311750   | 41.620  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.504 | 138  | 147725   | 45.122  | ng    | 97       |
| 63) Azobenzene                | 10.639 | 77   | 633510   | 47.163  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 103631   | 51.670  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 556337   | 45.248  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248  | 191389   | 45.039  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.033 | 284  | 209677   | 44.612  | ng    | 99       |
| 69) Atrazine                  | 11.121 | 200  | 163121   | 49.956  | ng    | 98       |
| 70) Pentachlorophenol         | 11.233 | 266  | 230613   | 86.908  | ng    | 99       |
| 71) Phenanthrene              | 11.451 | 178  | 840862   | 43.781  | ng    | 100      |
| 72) Anthracene                | 11.504 | 178  | 862354   | 43.995  | ng    | 100      |
| 73) Carbazole                 | 11.657 | 167  | 753059   | 44.940  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.980 | 149  | 877150   | 47.821  | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 797484   | 44.438  | ng    | 98       |
| 77) Benzidine                 | 12.757 | 184  | 347487   | 40.809  | ng    | 99       |
| 78) Pyrene                    | 12.868 | 202  | 793809   | 37.189  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.480 | 149  | 304769   | 51.673  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.057 | 228  | 682149   | 44.645  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.015 | 252  | 161271   | 34.799  | ng    | 99       |
| 83) Chrysene                  | 14.092 | 228  | 625549   | 45.563  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.039 | 149  | 420218   | 55.655  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.657 | 149  | 712180   | 48.240  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.074 | 276  | 891327   | 43.263  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 704683   | 43.387  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 698419   | 45.911  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 704890   | 46.042  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.092 | 278  | 722055   | 43.212  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.539 | 276  | 713255   | 42.677  | ng    | 99       |

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

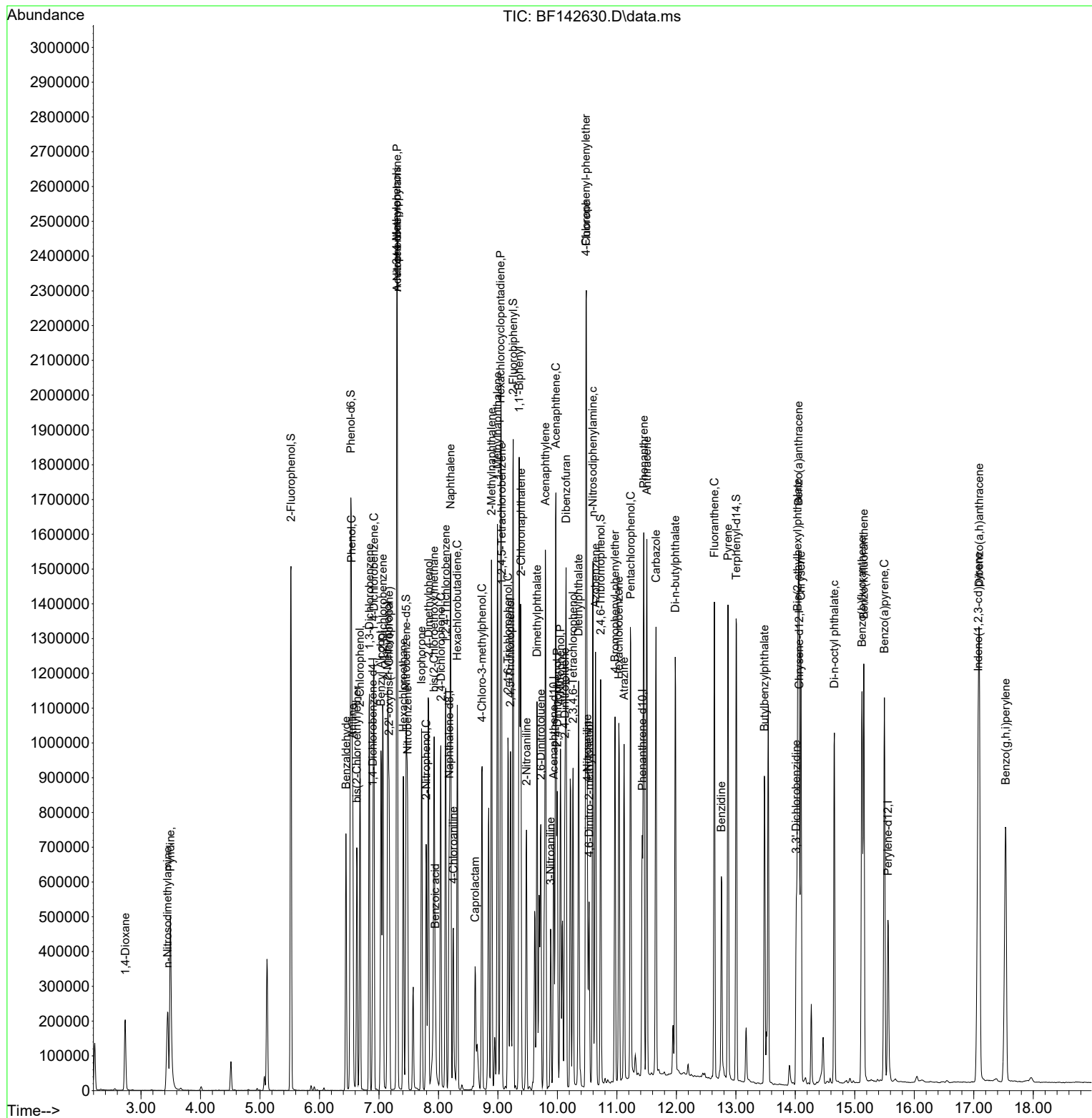
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060525\  
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 ALS Vial : 7 Sample Multiplier: 1

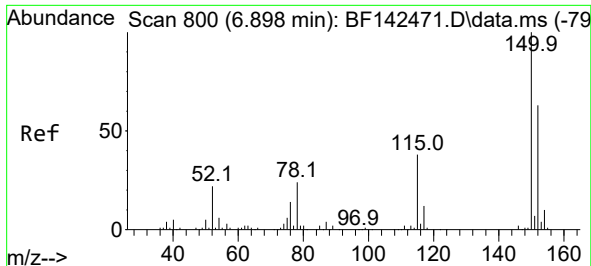
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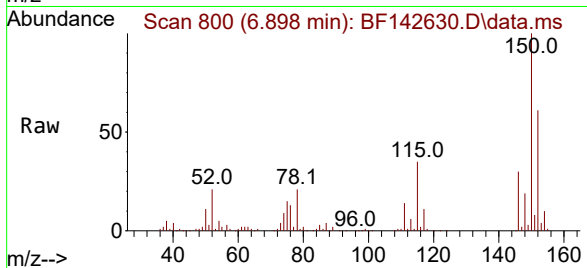
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

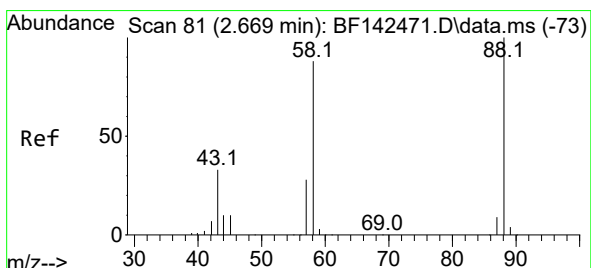
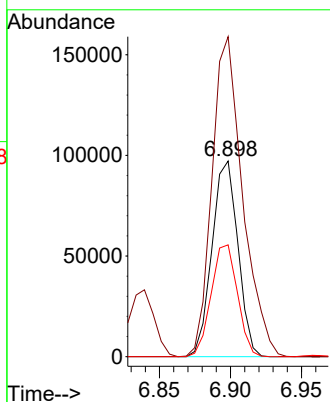
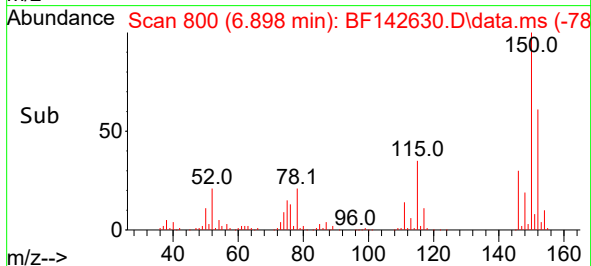
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:152 Resp: 12335  
Ion Ratio Lower Upper  
152 100  
150 163.5 128.2 192.4  
115 57.2 48.3 72.5

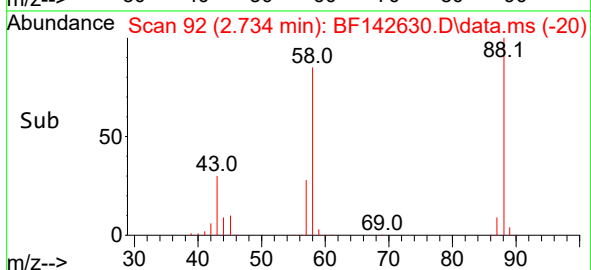
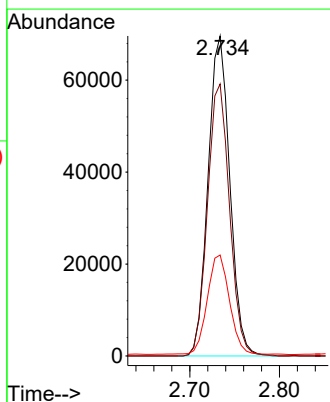
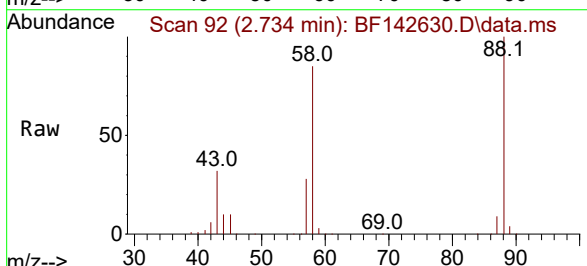
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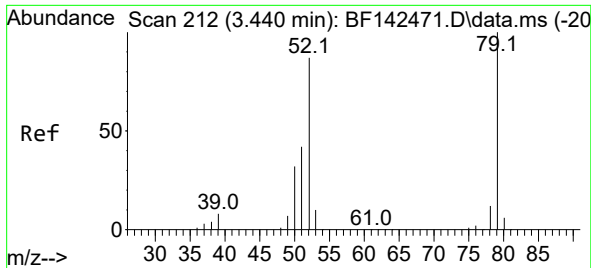
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#2  
1,4-Dioxane  
Concen: 40.046 ng  
RT: 2.734 min Scan# 92  
Delta R.T. 0.071 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

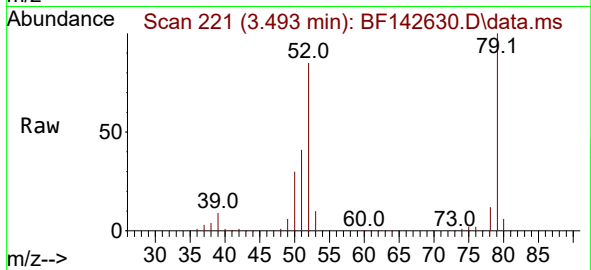
Tgt Ion: 88 Resp: 117333  
Ion Ratio Lower Upper  
88 100  
58 86.2 70.8 106.2  
43 31.6 26.6 40.0





#3  
Pyridine  
Concen: 42.668 ng  
RT: 3.493 min Scan# 212  
Delta R.T. 0.053 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

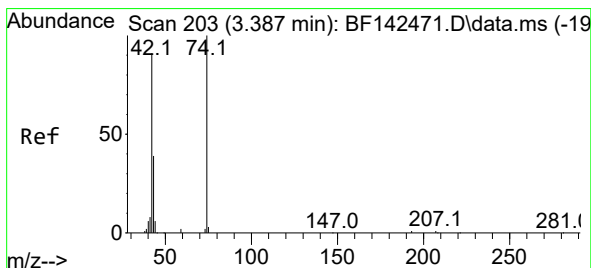
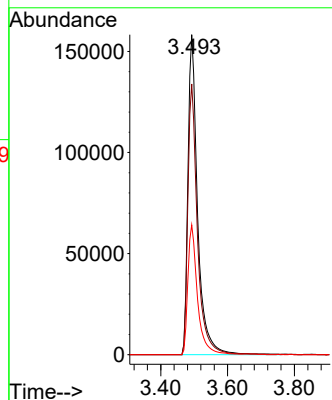
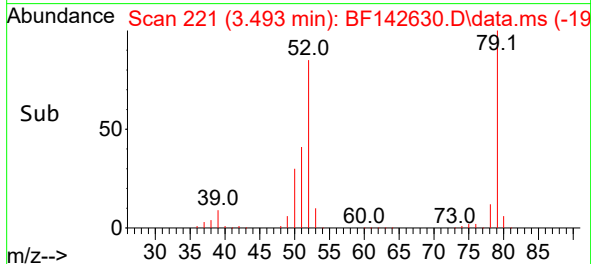
Instrument :  
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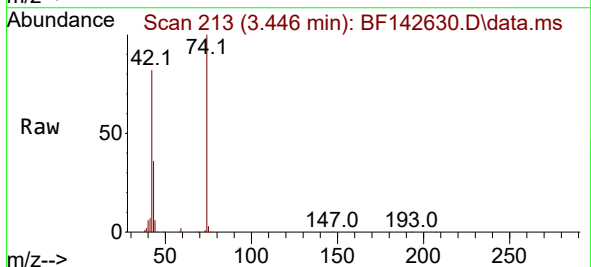
Tgt Ion: 79 Resp: 31835  
Ion Ratio Lower Upper  
79 100  
52 84.6 69.2 103.8  
51 40.6 33.3 49.9

Manual Integrations  
APPROVED

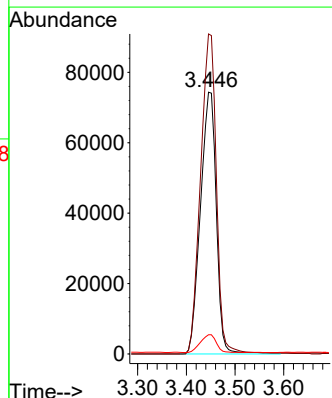
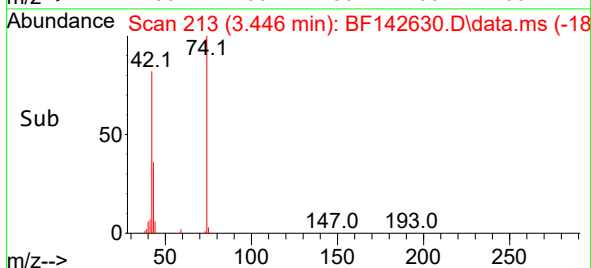
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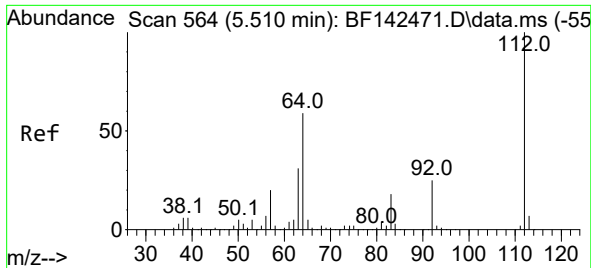


#4  
n-Nitrosodimethylamine  
Concen: 43.509 ng  
RT: 3.446 min Scan# 213  
Delta R.T. 0.041 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion: 42 Resp: 168553  
Ion Ratio Lower Upper  
42 100  
74 122.2 88.2 132.4  
44 7.3 5.4 8.2





#5  
2-Fluorophenol  
Concen: 82.853 ng  
RT: 5.522 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

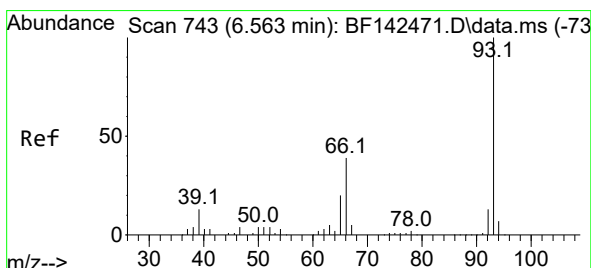
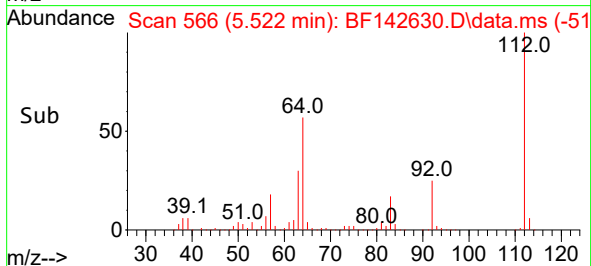
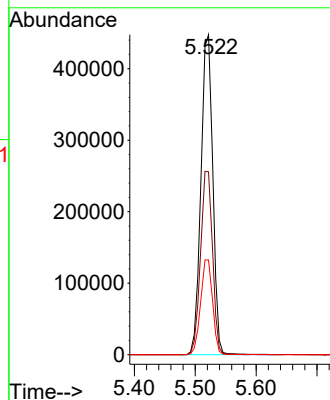
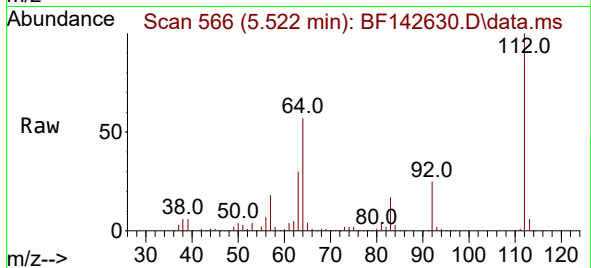
COMP-13MSD

Tgt Ion:112 Resp: 60664  
Ion Ratio Lower Upper  
112 100  
64 57.1 47.5 71.3  
63 29.6 24.9 37.3

Manual Integrations

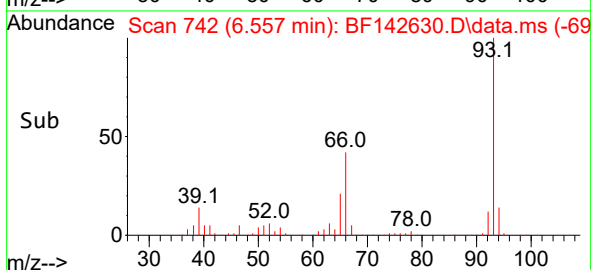
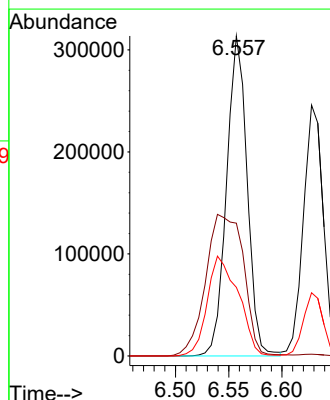
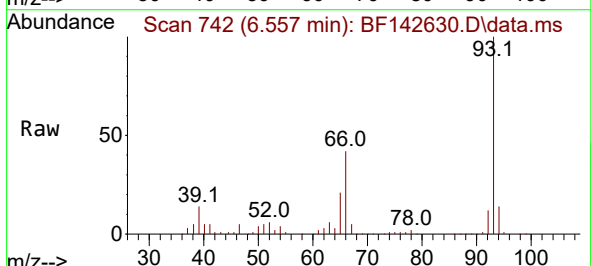
APPROVED

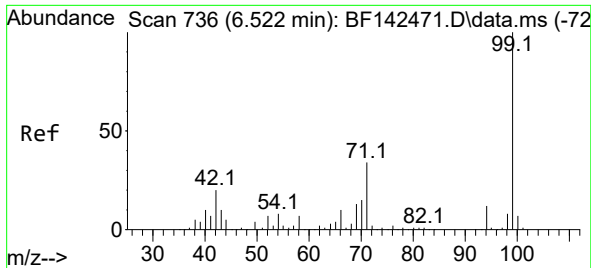
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#6  
Aniline  
Concen: 35.614 ng  
RT: 6.557 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

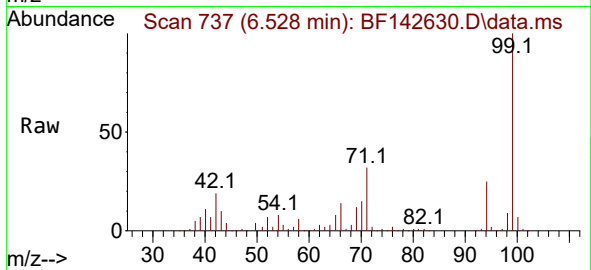
Tgt Ion: 93 Resp: 422068  
Ion Ratio Lower Upper  
93 100  
66 41.5 32.0 48.0  
65 21.4 16.1 24.1





#7  
Phenol-d6  
Concen: 82.317 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
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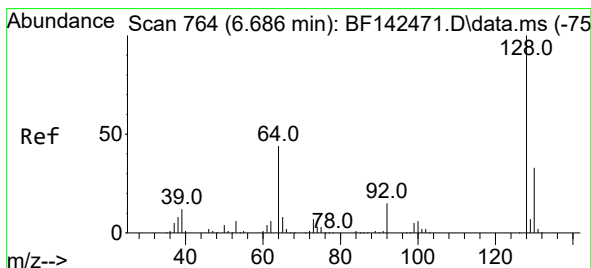
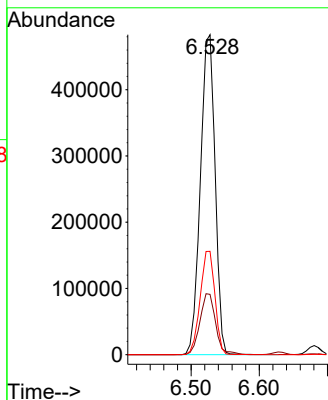
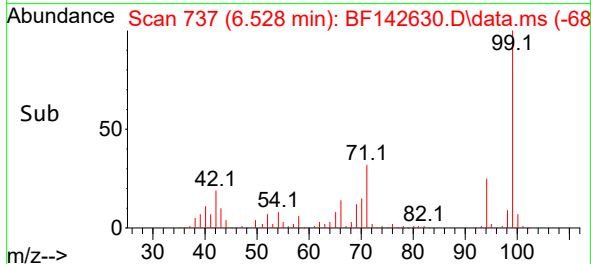
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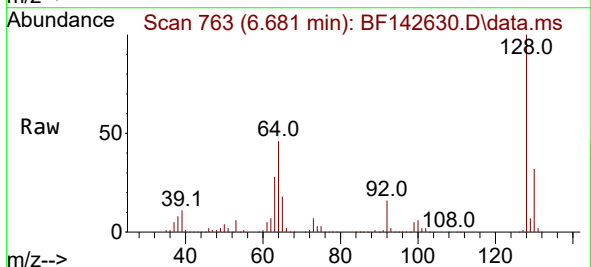
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99 100  
42 18.9 16.2 24.2  
71 32.3 27.3 40.9

Manual Integrations  
APPROVED

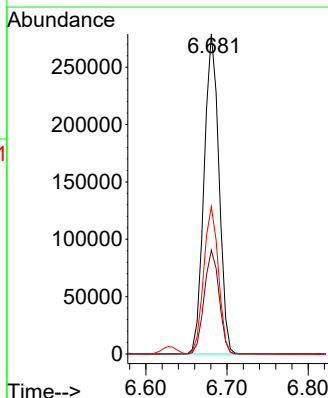
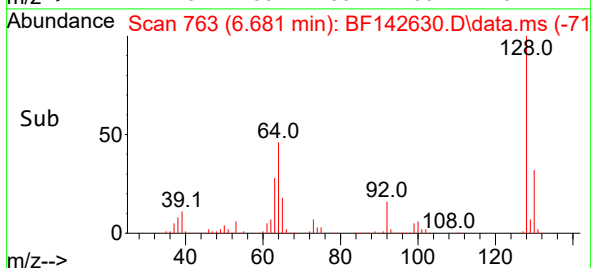
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

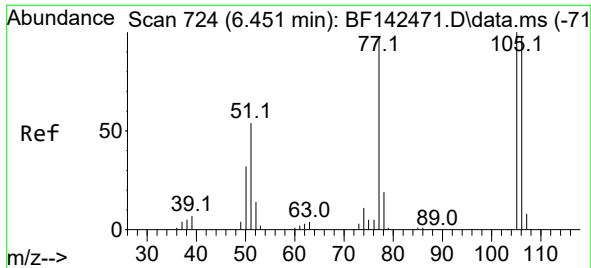


#8  
2-Chlorophenol  
Concen: 44.389 ng  
RT: 6.681 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



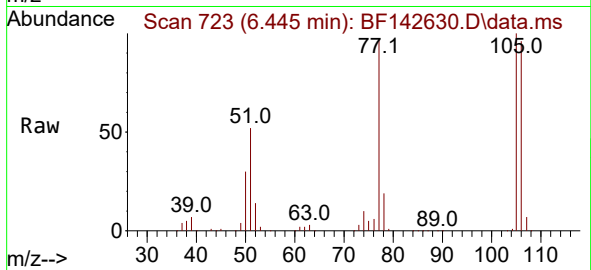
Tgt Ion:128 Resp: 354006  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.6 52.6  
64 46.1 25.1 65.1





#9  
Benzaldehyde  
Concen: 35.232 ng  
RT: 6.445 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

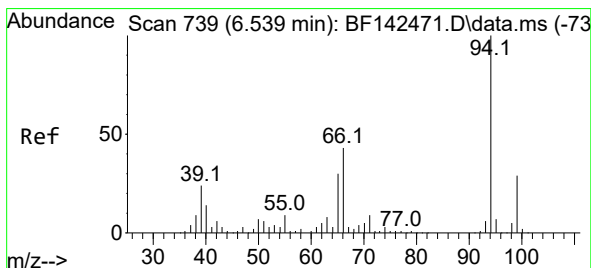
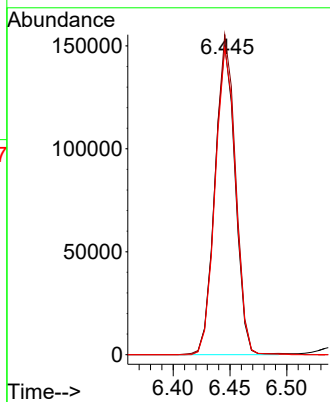
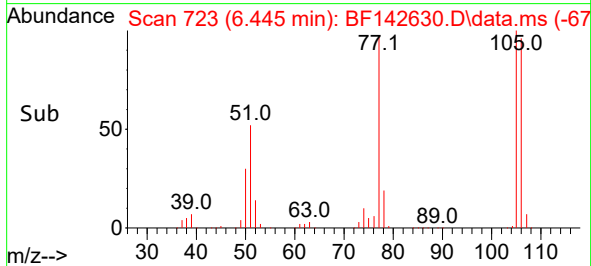
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion: 77 Resp: 186774  
Ion Ratio Lower Upper  
77 100  
105 103.4 82.5 122.5  
106 99.2 80.0 120.0

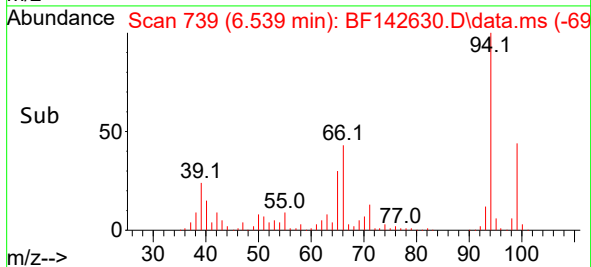
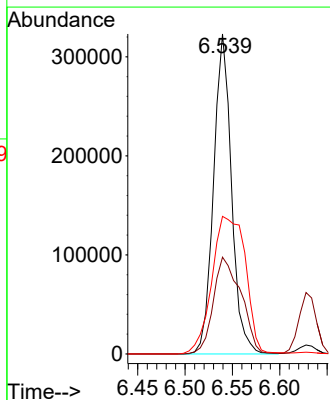
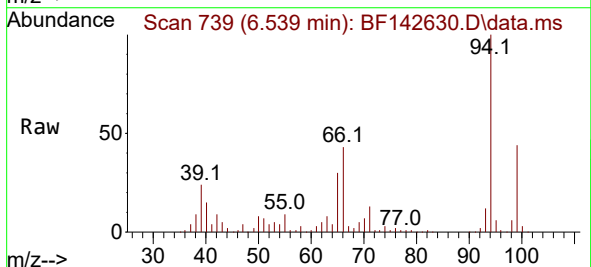
Manual Integrations  
APPROVED

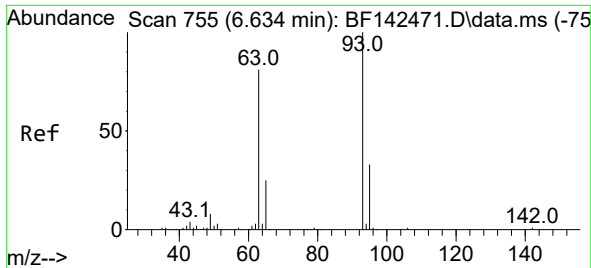
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#10  
Phenol  
Concen: 42.938 ng  
RT: 6.539 min Scan# 739  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

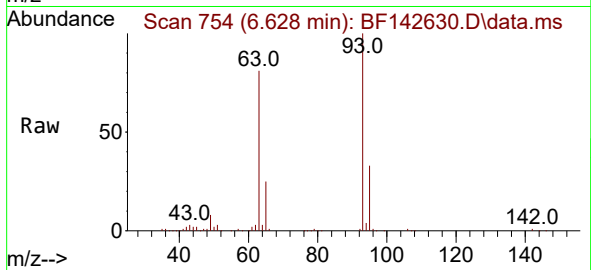
Tgt Ion: 94 Resp: 425836  
Ion Ratio Lower Upper  
94 100  
65 30.3 10.3 50.3  
66 43.0 22.6 62.6





#11  
bis(2-Chloroethyl)ether  
Concen: 43.948 ng  
RT: 6.628 min Scan# 755  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

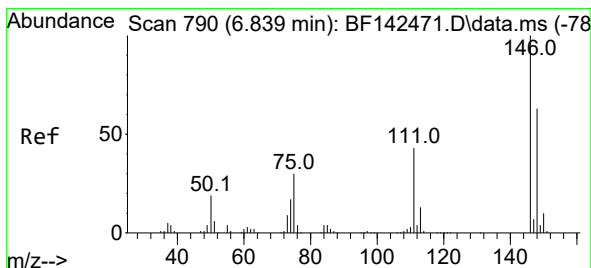
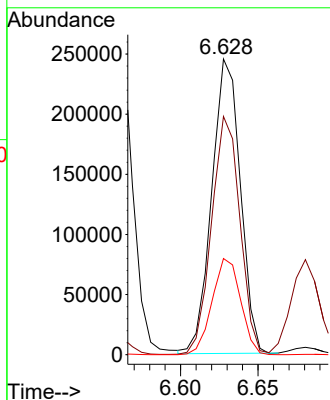
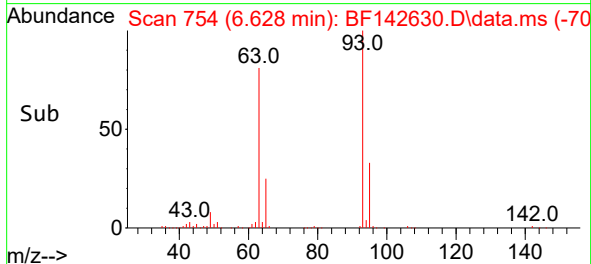
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion: 93 Resp: 31374  
Ion Ratio Lower Upper  
93 100  
63 80.6 60.2 100.2  
95 32.5 12.3 52.3

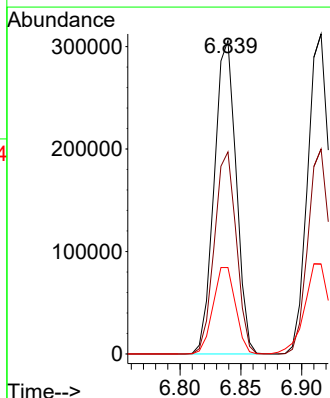
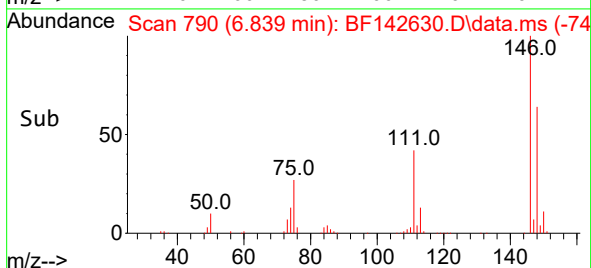
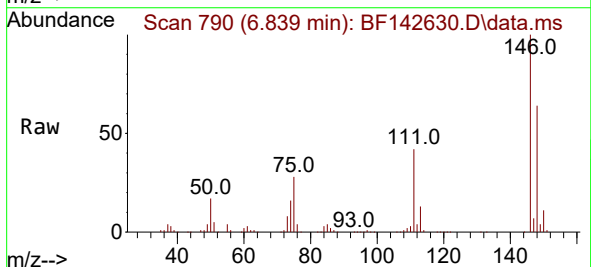
Manual Integrations  
APPROVED

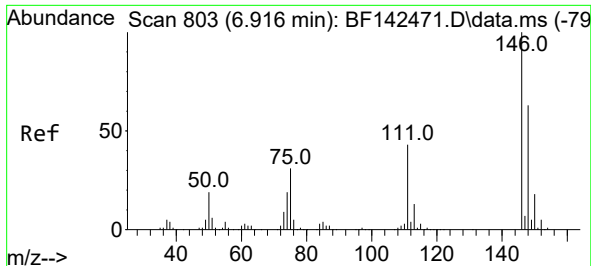
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#12  
1,3-Dichlorobenzene  
Concen: 43.191 ng  
RT: 6.839 min Scan# 790  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:146 Resp: 384366  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.6 75.8  
75 27.6 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 43.203 ng

RT: 6.916 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF142630.D

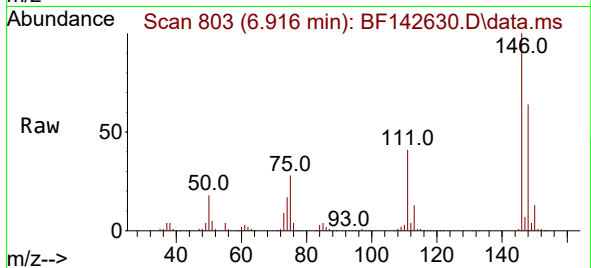
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:146 Resp: 387280

Ion Ratio Lower Upper

146 100

148 64.0 50.4 75.6

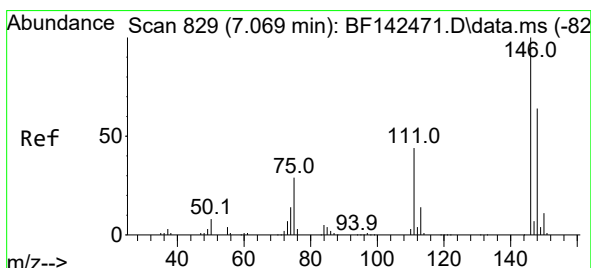
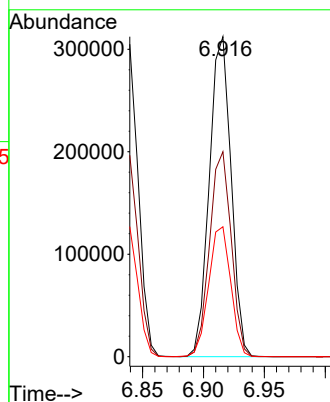
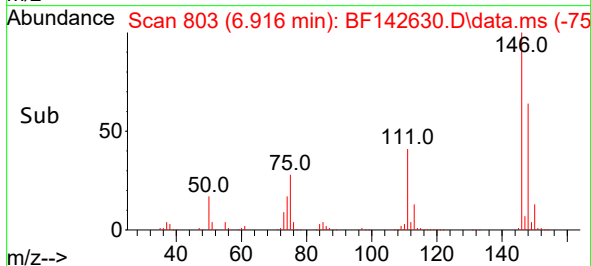
111 40.6 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#14

1,2-Dichlorobenzene

Concen: 43.933 ng

RT: 7.063 min Scan# 828

Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

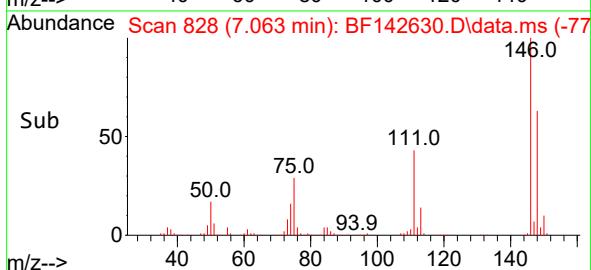
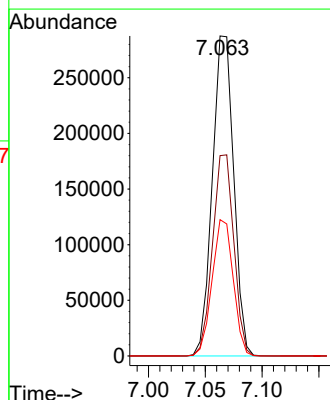
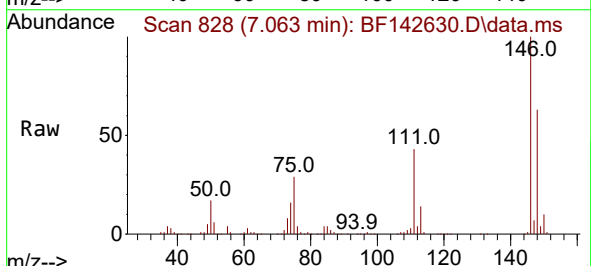
Tgt Ion:146 Resp: 376839

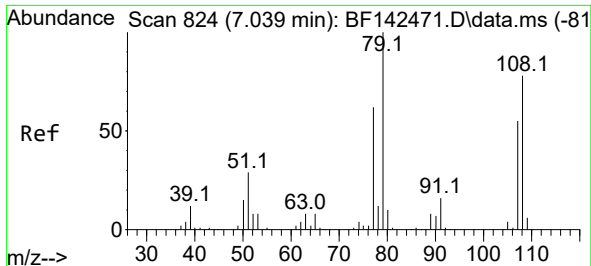
Ion Ratio Lower Upper

146 100

148 62.6 51.0 76.4

111 42.6 35.0 52.6





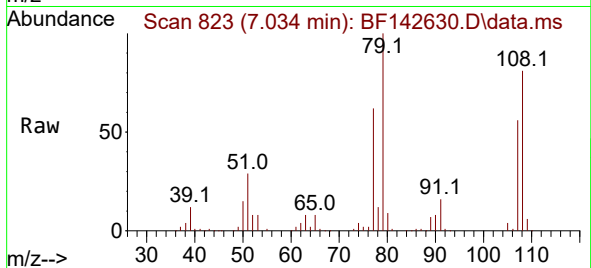
#15  
Benzyl Alcohol  
Concen: 42.711 ng  
RT: 7.034 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



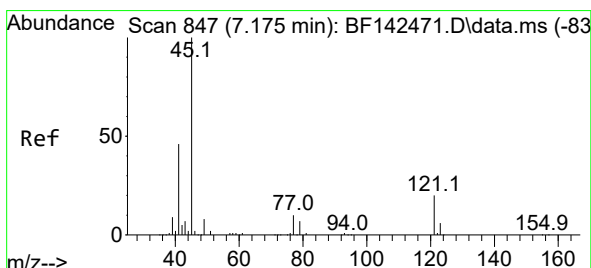
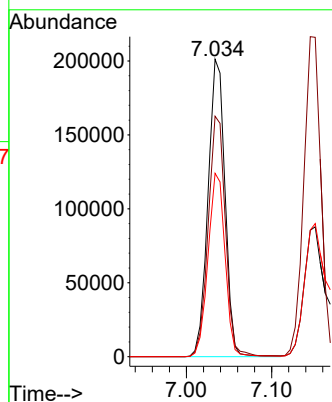
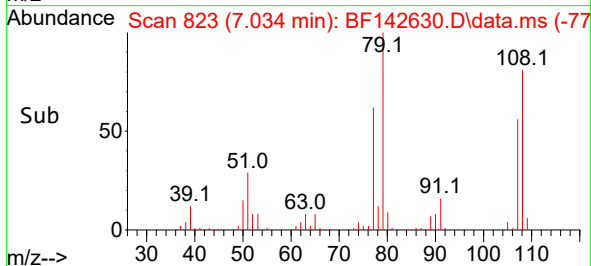
Tgt Ion: 79 Resp: 27819  
Ion Ratio Lower Upper  
79 100  
108 80.9 62.1 93.1  
77 61.7 49.5 74.3

Manual Integrations

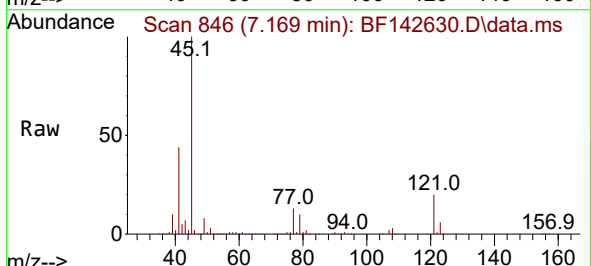
APPROVED

Reviewed By :Rahul Chavli 06/06/2025

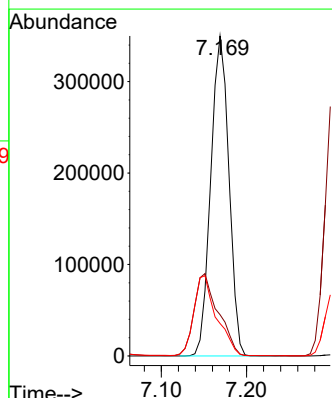
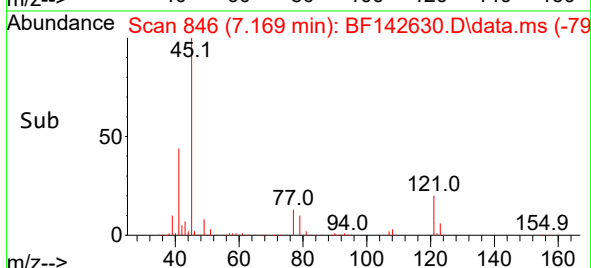
Supervised By :Jagrut Upadhyay 06/06/2025

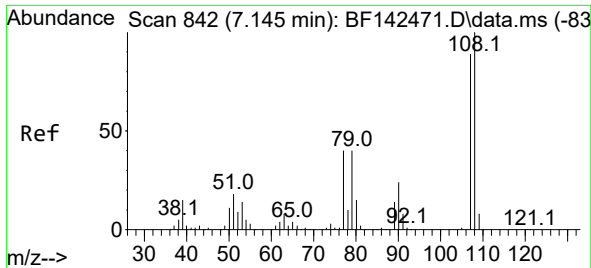


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.262 ng  
RT: 7.169 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



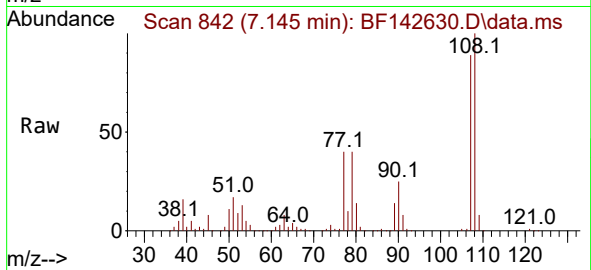
Tgt Ion: 45 Resp: 518664  
Ion Ratio Lower Upper  
45 100  
77 12.9 0.0 32.0  
79 10.1 0.0 29.2





#17  
2-Methylphenol  
Concen: 42.866 ng  
RT: 7.145 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

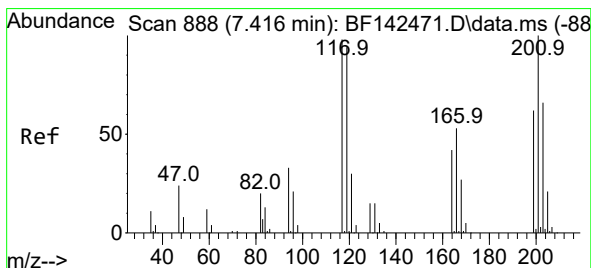
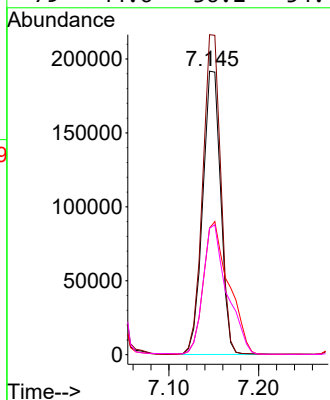
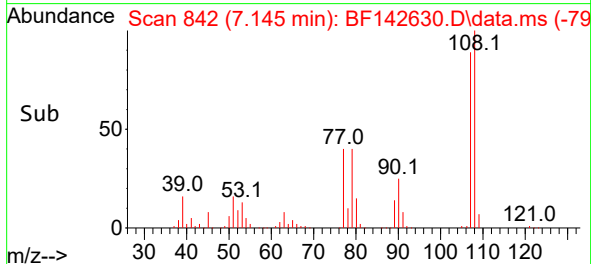
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



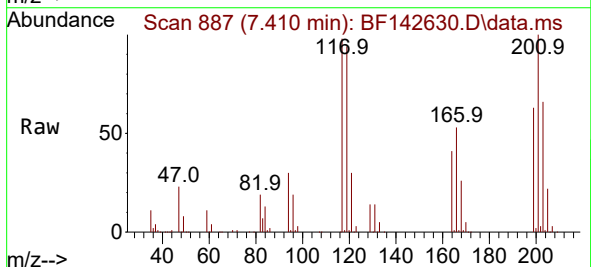
Tgt Ion:107 Resp: 266908  
Ion Ratio Lower Upper  
107 100  
108 112.9 90.2 135.2  
77 44.6 36.1 54.1  
79 44.6 36.2 54.4

Manual Integrations  
APPROVED

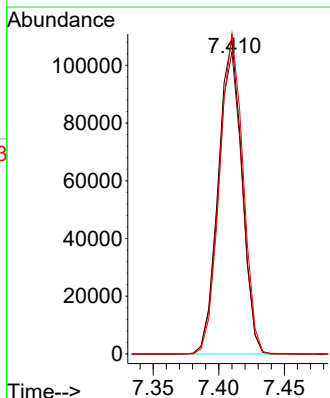
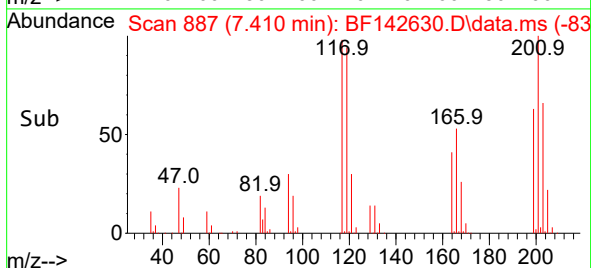
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

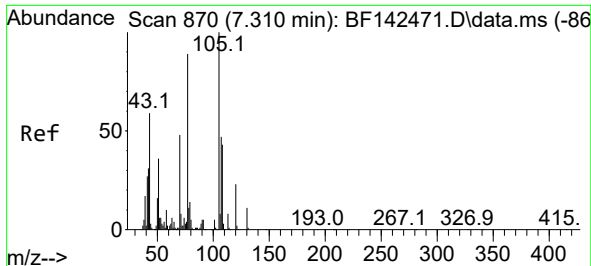


#18  
Hexachloroethane  
Concen: 43.760 ng  
RT: 7.410 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



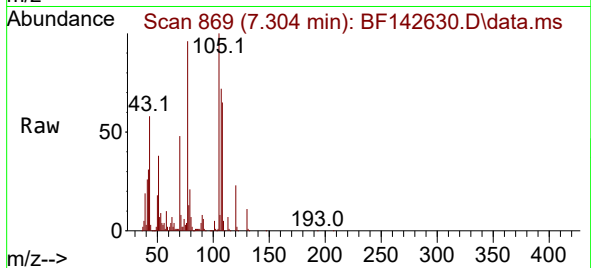
Tgt Ion:117 Resp: 136975  
Ion Ratio Lower Upper  
117 100  
119 96.0 76.6 114.8  
201 101.8 81.3 121.9





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.455 ng  
RT: 7.304 min Scan# 80  
Delta R.T. -0.024 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

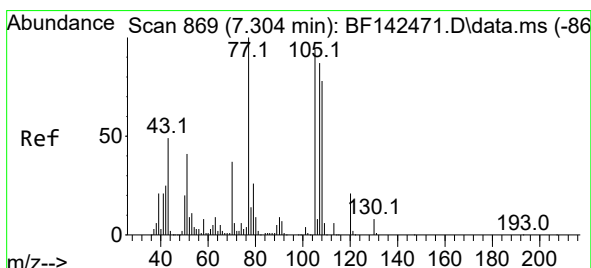
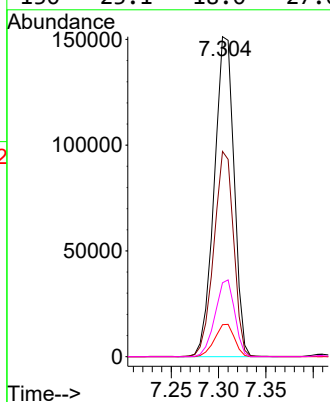
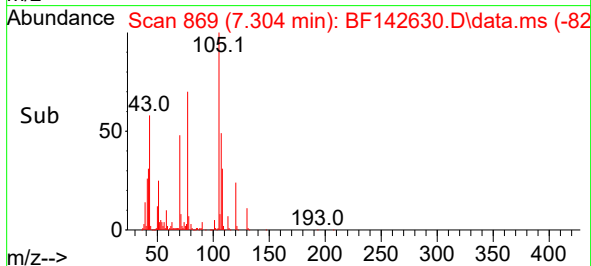
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



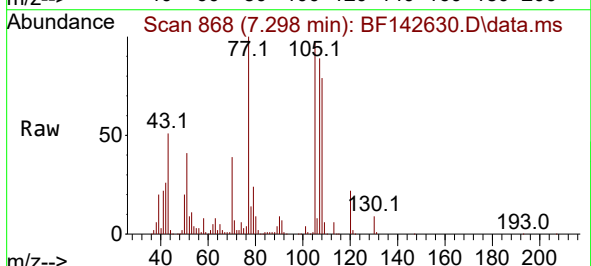
Tgt Ion: 70 Resp: 220980  
Ion Ratio Lower Upper  
70 100  
42 64.2 52.4 78.6  
101 10.0 7.8 11.8  
130 23.1 18.0 27.0

Manual Integrations  
APPROVED

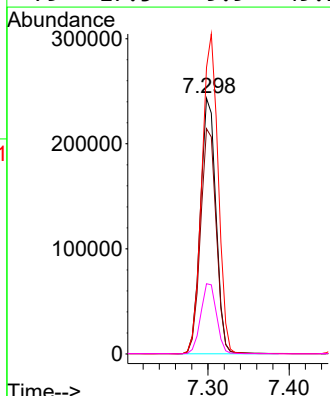
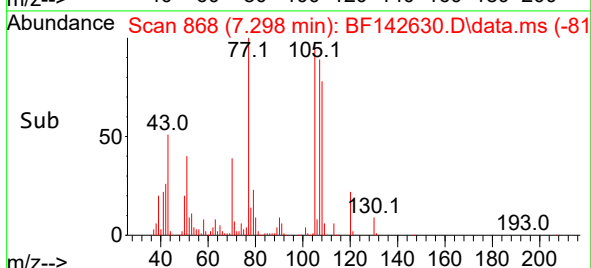
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

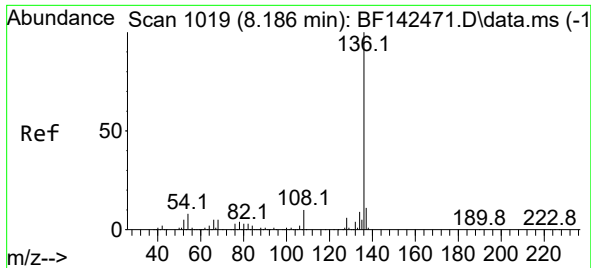


#20  
3+4-Methylphenols  
Concen: 40.575 ng  
RT: 7.298 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion:107 Resp: 323534  
Ion Ratio Lower Upper  
107 100  
108 88.1 70.4 110.4  
77 112.1 95.4 135.4  
79 27.5 9.9 49.9





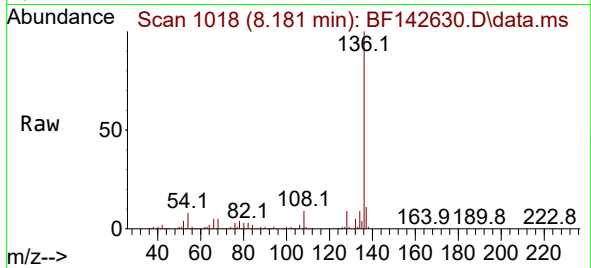
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



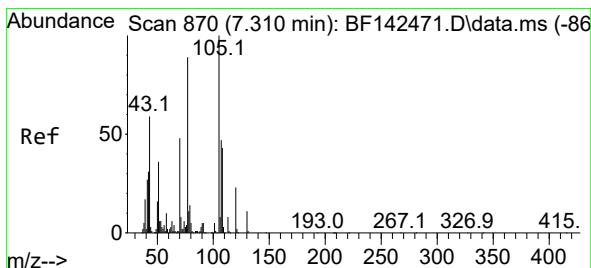
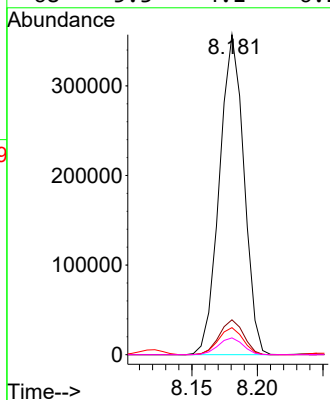
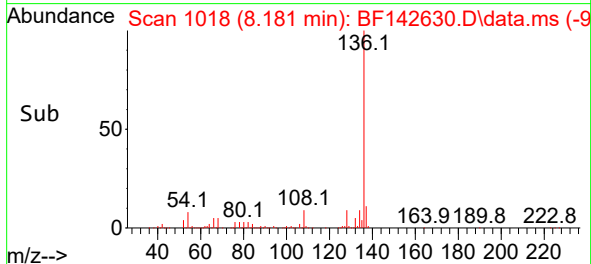
Tgt Ion:136 Resp: 463790  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 8.4 6.6 10.0  
68 5.3 4.1 6.1

Manual Integrations

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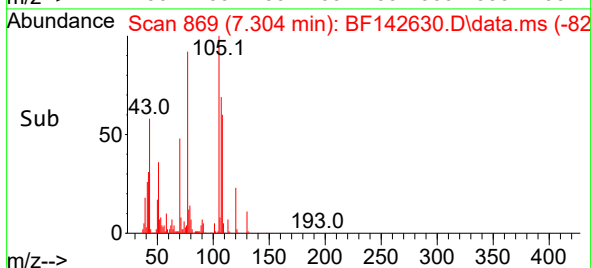
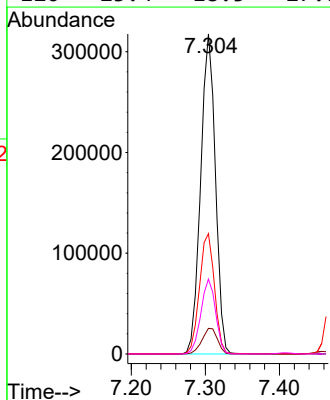
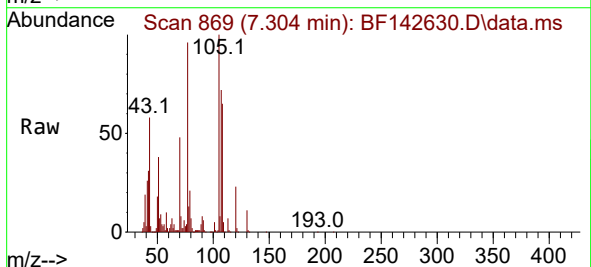
Reviewed By :Rahul Chavli 06/06/2025

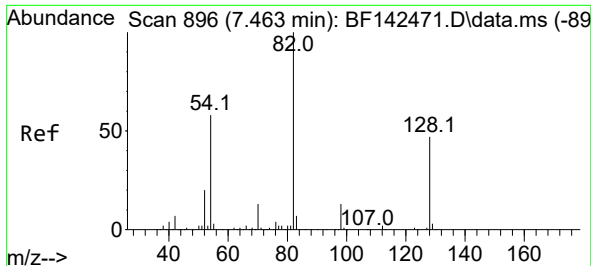
Supervised By :Jagrut Upadhyay 06/06/2025



#22  
Acetophenone  
Concen: 42.819 ng  
RT: 7.304 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:105 Resp: 439621  
Ion Ratio Lower Upper  
105 100  
71 8.0 6.4 9.6  
51 37.6 28.6 42.8  
120 23.4 18.5 27.7





#23

Nitrobenzene-d5

Concen: 52.079 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

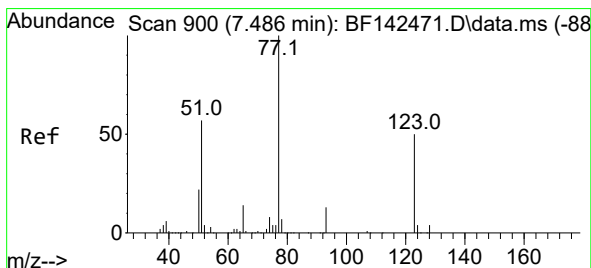
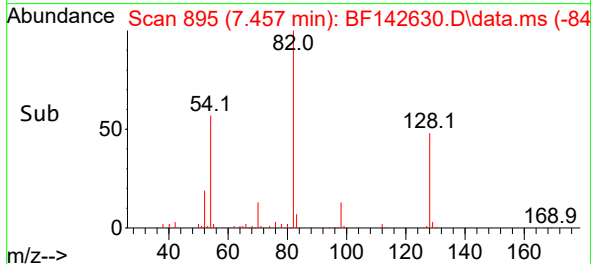
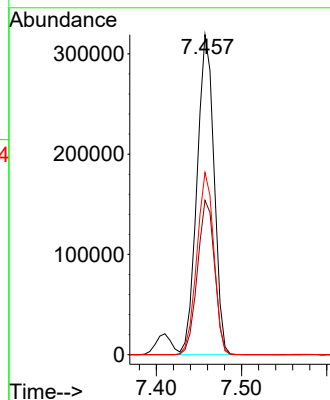
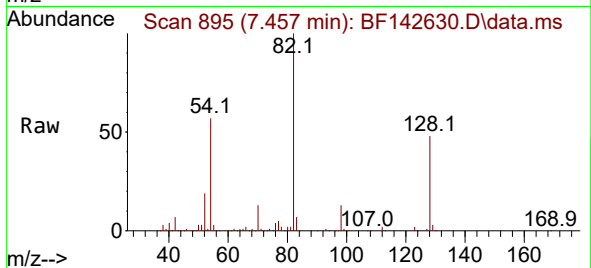
Tgt Ion: 82 Resp: 44295  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 37.4 56.2  
 54 57.0 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#24

Nitrobenzene

Concen: 43.829 ng

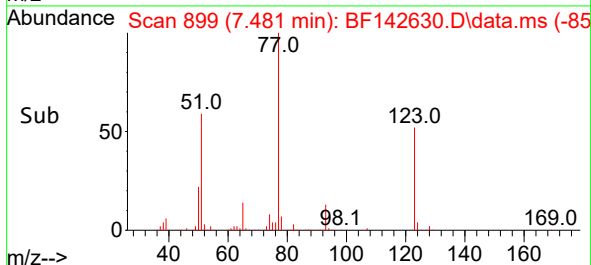
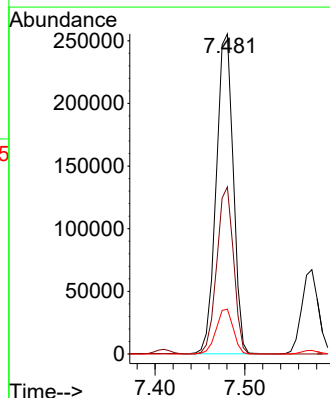
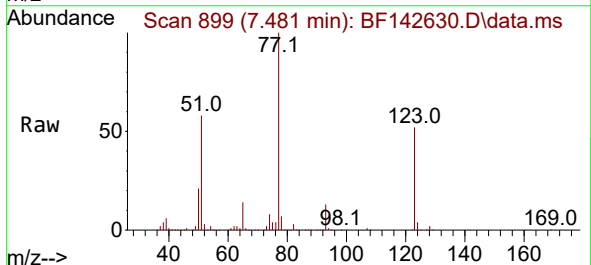
RT: 7.481 min Scan# 899

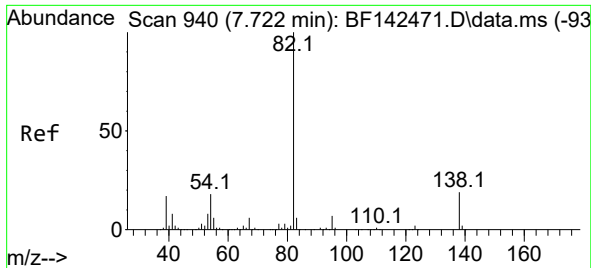
Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Tgt Ion: 77 Resp: 336215  
 Ion Ratio Lower Upper  
 77 100  
 123 52.2 40.6 61.0  
 65 14.0 11.4 17.2





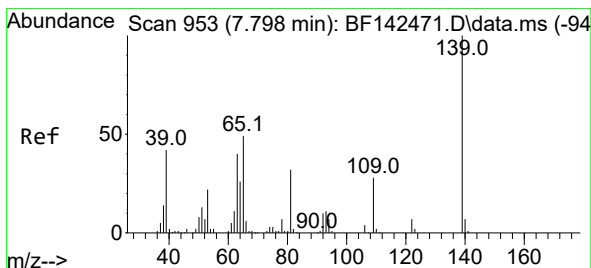
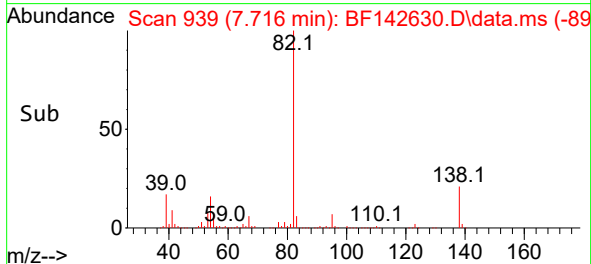
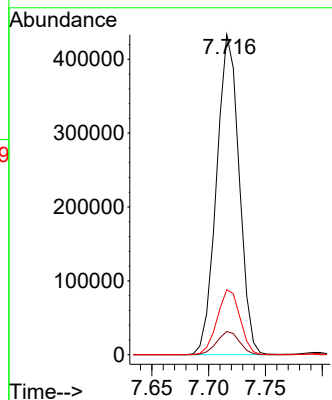
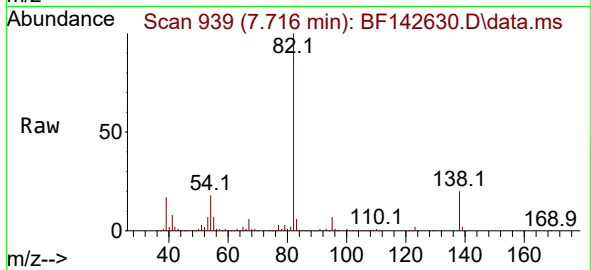
#25  
Isophorone  
Concen: 42.165 ng  
RT: 7.716 min Scan# 91  
Delta R.T. -0.018 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD

Tgt Ion: 82 Resp: 599610  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.0 9.0  
138 20.3 15.5 23.3

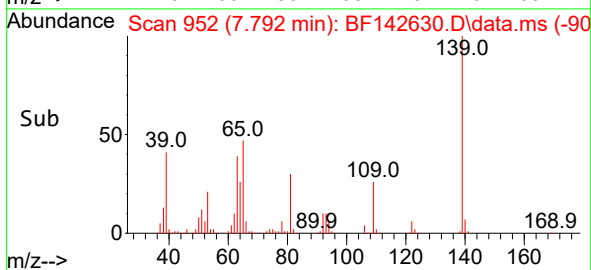
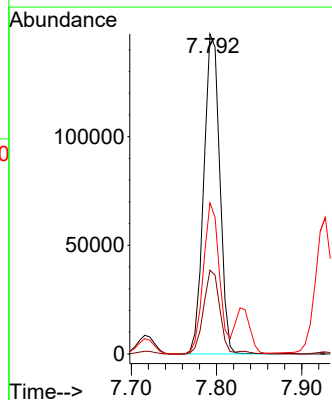
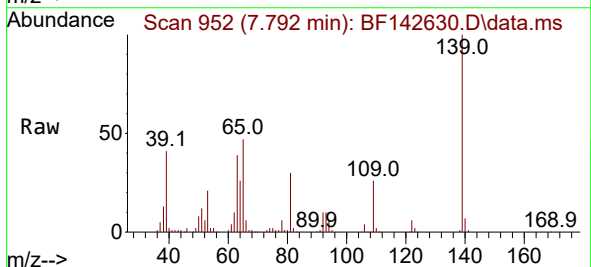
Manual Integrations  
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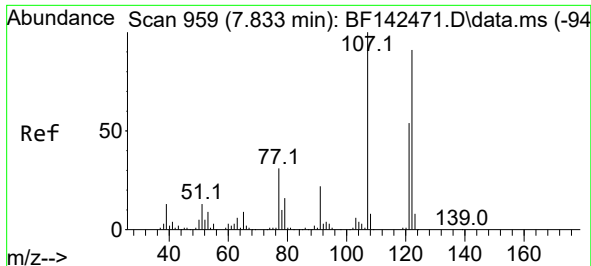
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#26  
2-Nitrophenol  
Concen: 46.842 ng  
RT: 7.792 min Scan# 952  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:139 Resp: 192003  
Ion Ratio Lower Upper  
139 100  
109 26.2 22.6 33.8  
65 47.2 39.4 59.0





#27

2,4-Dimethylphenol

Concen: 42.741 ng

RT: 7.833 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142630.D

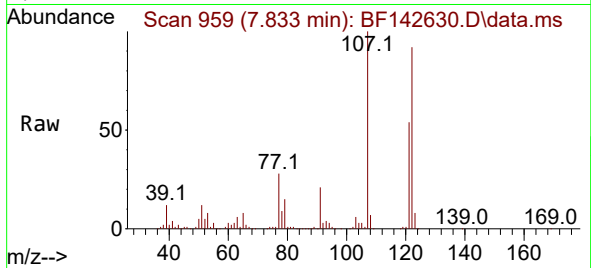
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:122 Resp: 308954

Ion Ratio Lower Upper

122 100

107 109.2 88.1 132.1

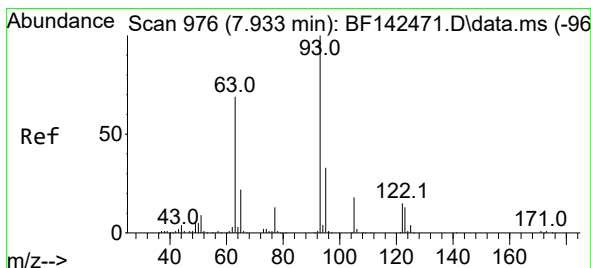
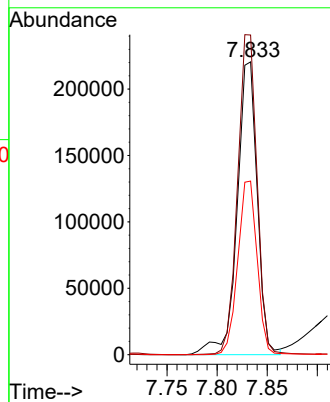
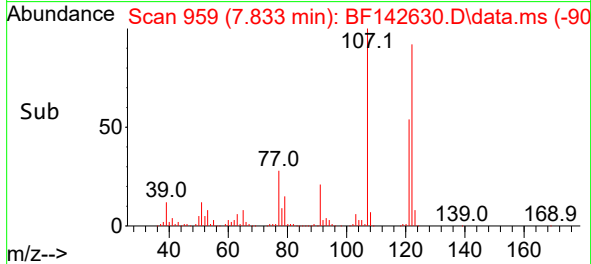
121 59.3 47.3 70.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 43.408 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

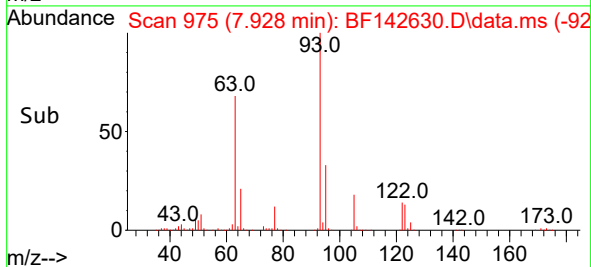
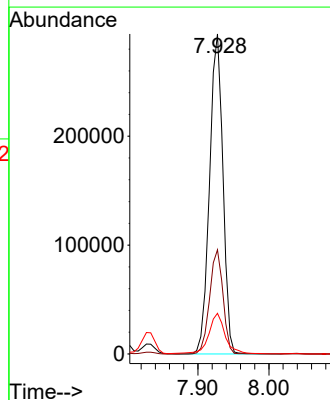
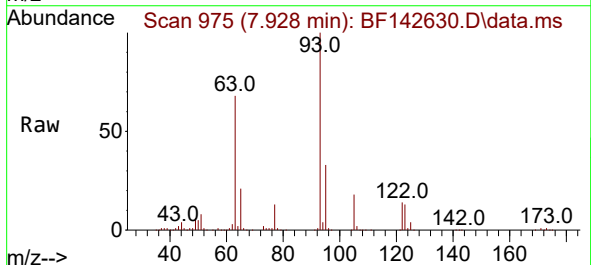
Tgt Ion: 93 Resp: 385605

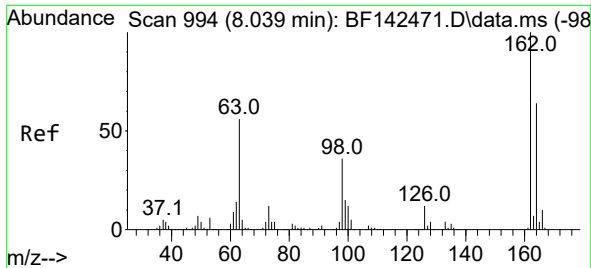
Ion Ratio Lower Upper

93 100

95 32.5 26.4 39.6

123 12.7 10.6 15.8





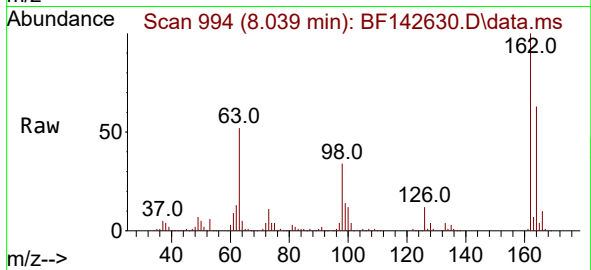
#29  
2,4-Dichlorophenol  
Concen: 43.601 ng  
RT: 8.039 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

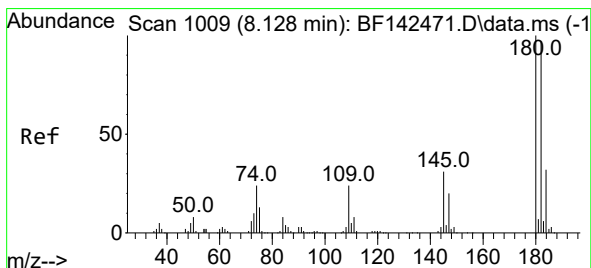
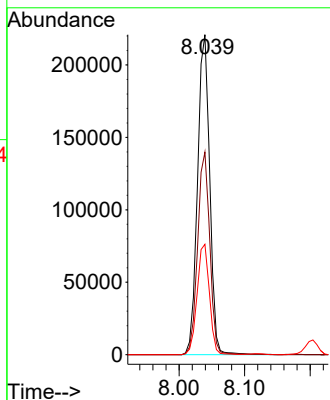
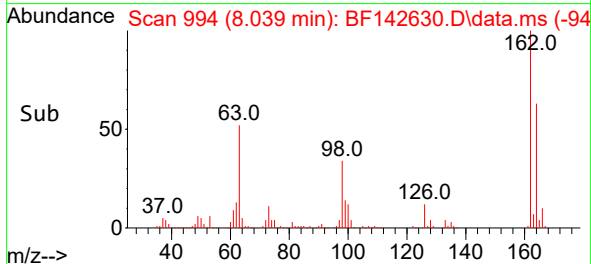


Tgt Ion:162 Resp: 286625  
Ion Ratio Lower Upper  
162 100  
164 63.3 43.7 83.7  
98 34.5 15.5 55.5

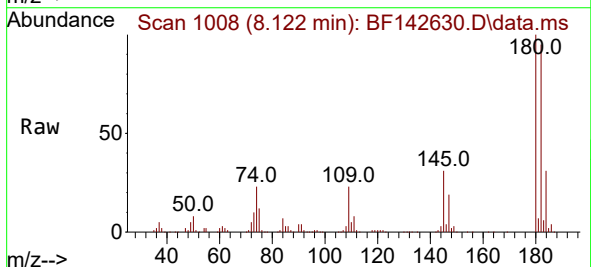
Manual Integrations

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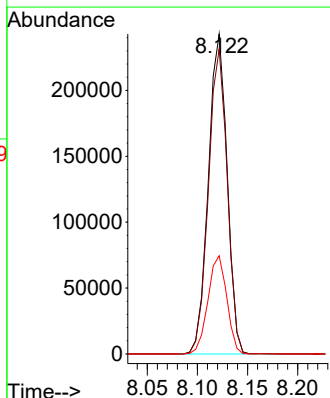
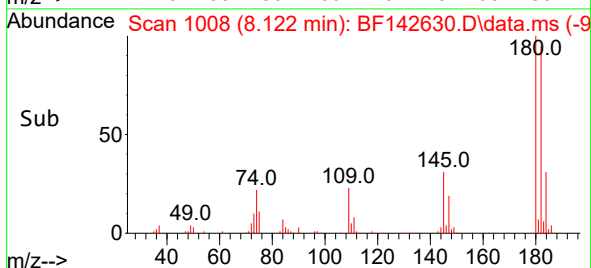
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

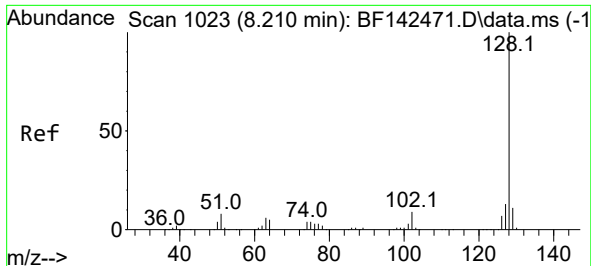


#30  
1,2,4-Trichlorobenzene  
Concen: 44.335 ng  
RT: 8.122 min Scan# 1008  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



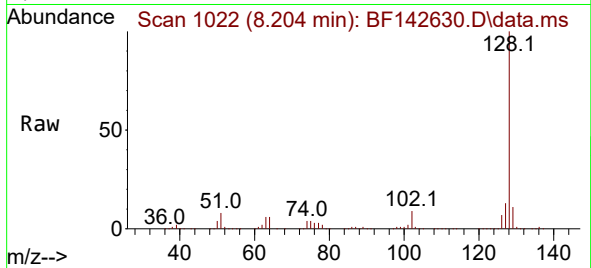
Tgt Ion:180 Resp: 316300  
Ion Ratio Lower Upper  
180 100  
182 95.2 78.0 117.0  
145 30.7 25.0 37.6





#31  
Naphthalene  
Concen: 43.366 ng  
RT: 8.204 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

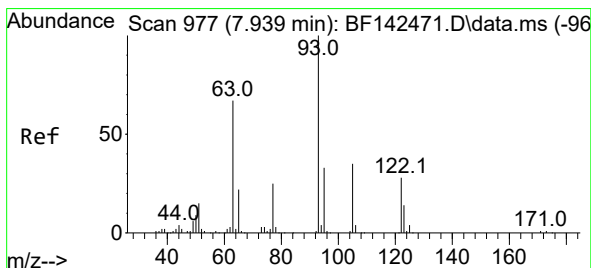
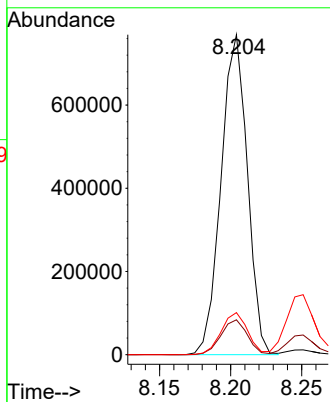
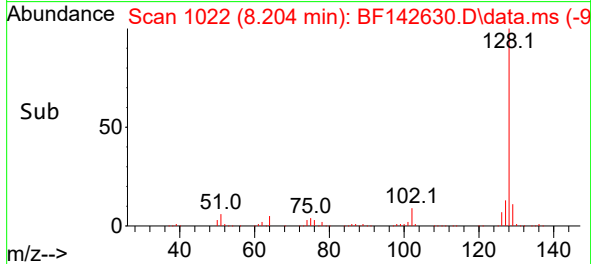
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:128 Resp: 99034  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 13.2 10.5 15.7

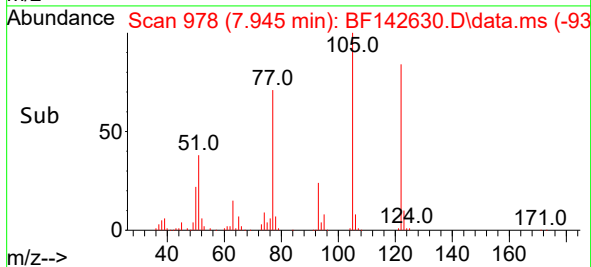
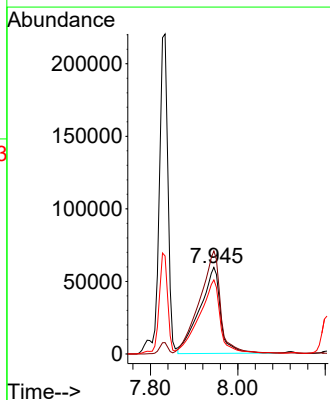
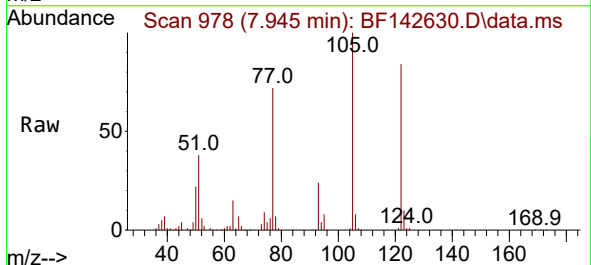
Manual Integrations  
APPROVED

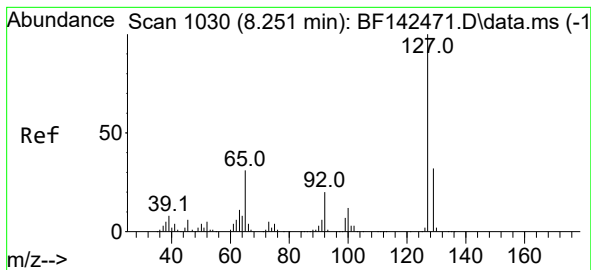
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#32  
Benzoic acid  
Concen: 45.256 ng  
RT: 7.945 min Scan# 978  
Delta R.T. -0.030 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:122 Resp: 199134  
Ion Ratio Lower Upper  
122 100  
105 119.2 101.7 141.7  
77 85.6 69.5 109.5





#33  
4-Chloroaniline  
Concen: 23.783 ng  
RT: 8.251 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

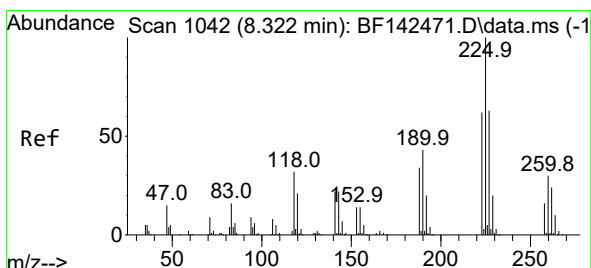
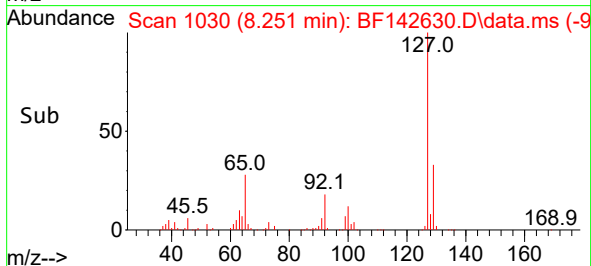
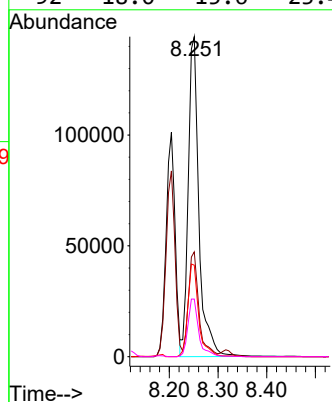
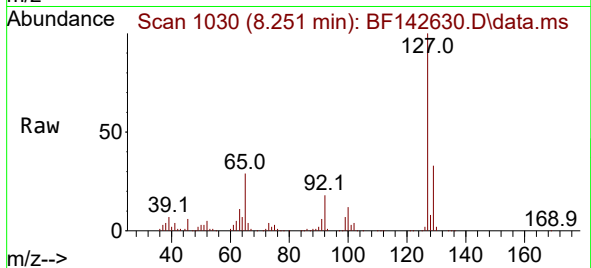
Tgt Ion:127 Resp: 22008  
Ion Ratio Lower Upper  
127 100  
129 32.7 26.1 39.1  
65 28.6 24.9 37.3  
92 18.0 15.6 23.4

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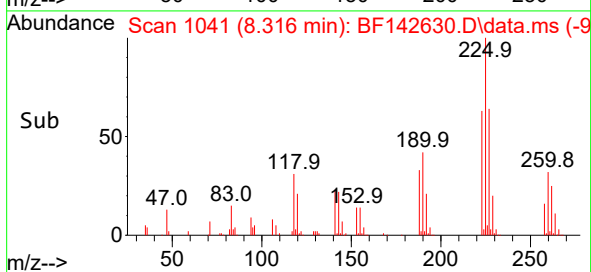
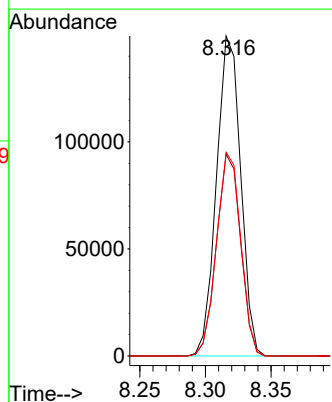
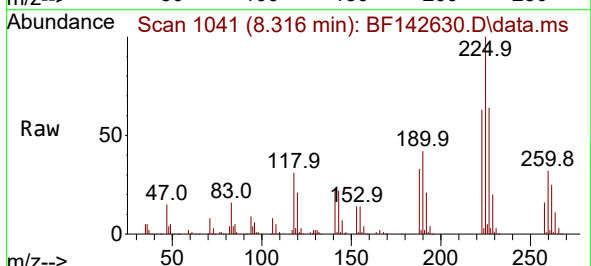
Reviewed By :Rahul Chavli 06/06/2025

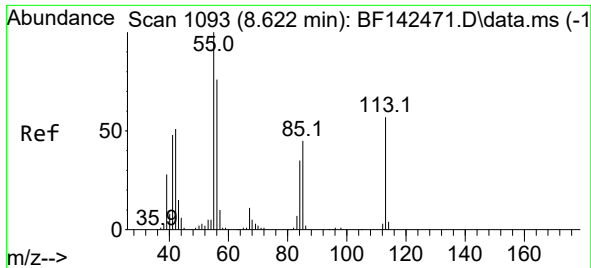
Supervised By :Jagrut Upadhyay 06/06/2025



#34  
Hexachlorobutadiene  
Concen: 43.046 ng  
RT: 8.316 min Scan# 1041  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

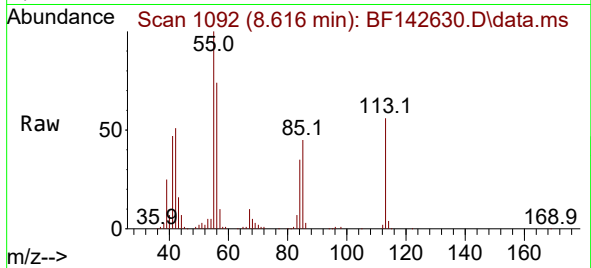
Tgt Ion:225 Resp: 191757  
Ion Ratio Lower Upper  
225 100  
223 63.0 49.7 74.5  
227 63.7 50.3 75.5





#35  
Caprolactam  
Concen: 46.109 ng m  
RT: 8.616 min Scan# 1092  
Delta R.T. -0.029 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

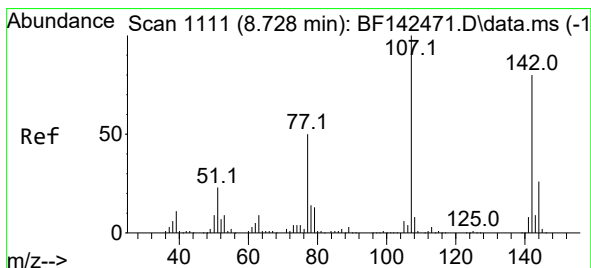
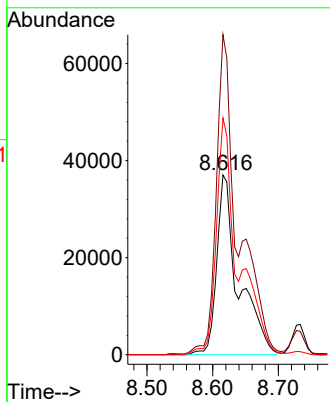
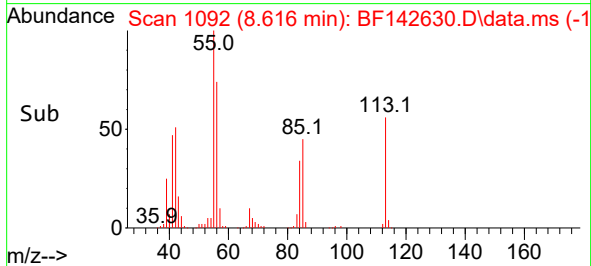
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:113 Resp: 8513  
Ion Ratio Lower Upper  
113 100  
55 178.1 154.7 194.7  
56 131.7 113.2 153.2

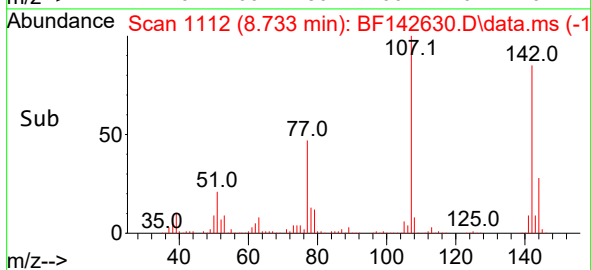
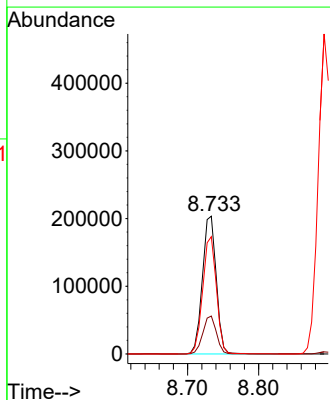
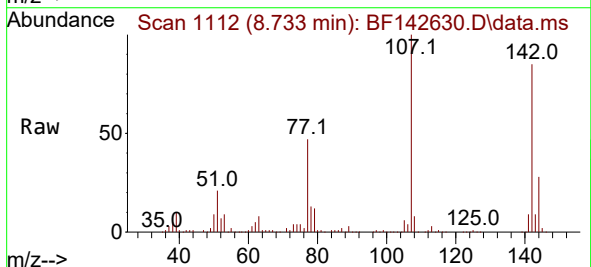
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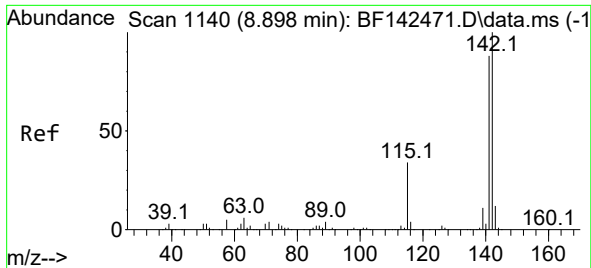
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#36  
4-Chloro-3-methylphenol  
Concen: 41.005 ng  
RT: 8.733 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

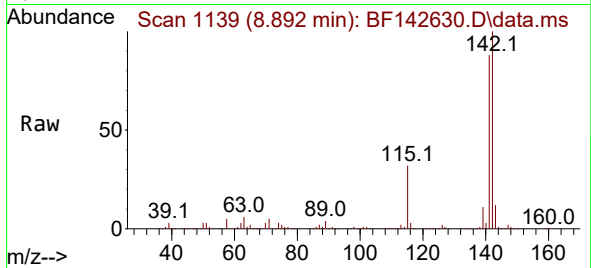
Tgt Ion:107 Resp: 276250  
Ion Ratio Lower Upper  
107 100  
144 27.5 20.9 31.3  
142 85.1 64.2 96.2





#37  
2-Methylnaphthalene  
Concen: 41.975 ng  
RT: 8.892 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

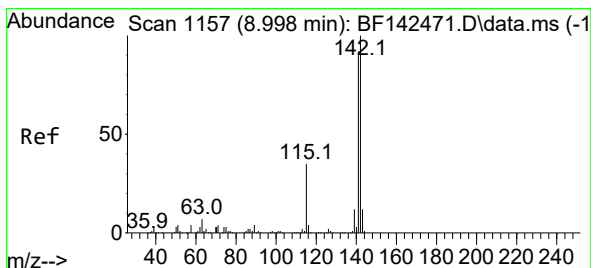
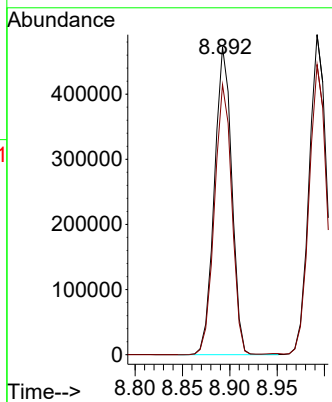
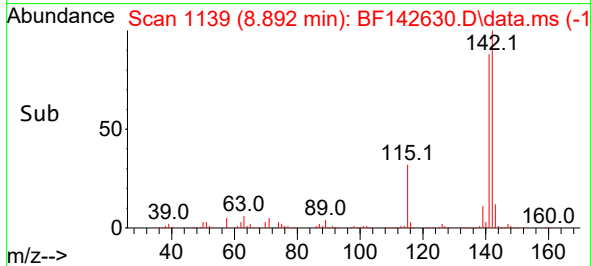
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:142 Resp: 603054  
Ion Ratio Lower Upper  
142 100  
141 87.8 70.7 106.1

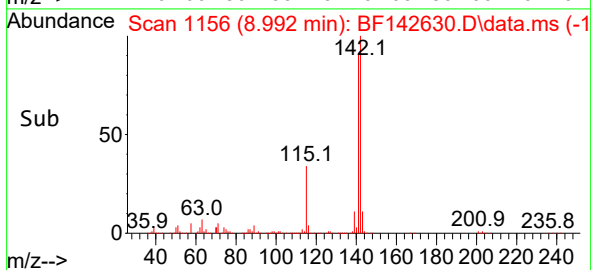
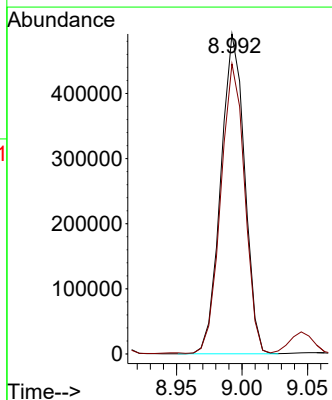
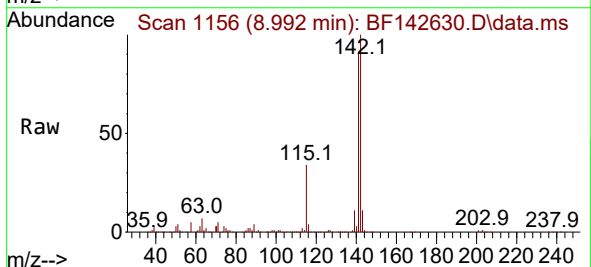
Manual Integrations  
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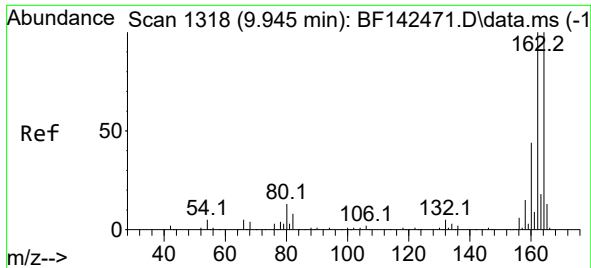
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#38  
1-Methylnaphthalene  
Concen: 41.743 ng  
RT: 8.992 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:142 Resp: 620345  
Ion Ratio Lower Upper  
142 100  
141 90.6 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1117

Delta R.T. -0.006 min

Lab File: BF142630.D

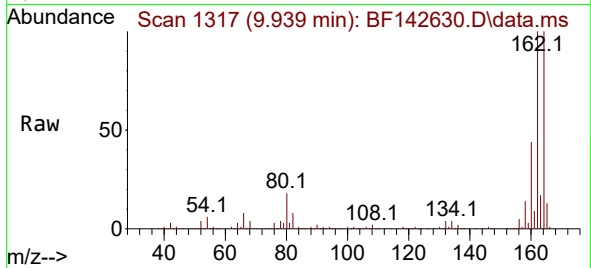
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:164 Resp: 232069

Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.4

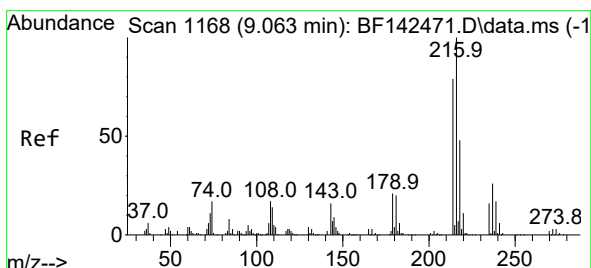
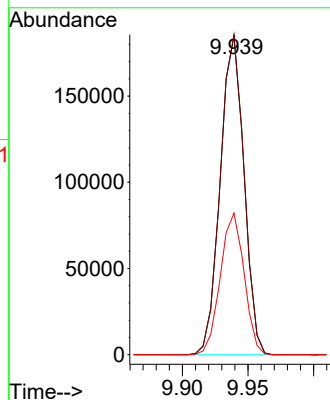
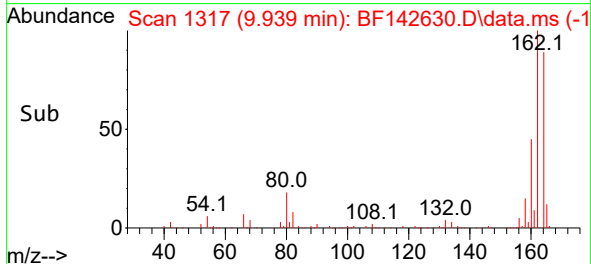
160 44.5 35.6 53.4

Manual Integrations

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Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.227 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Tgt Ion:216 Resp: 307948

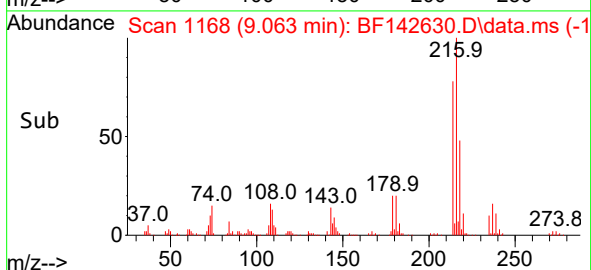
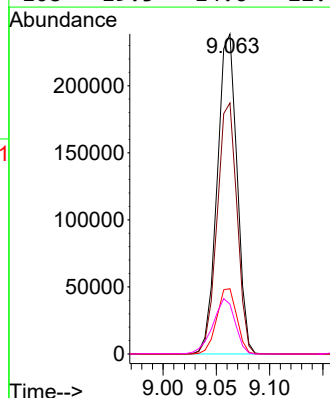
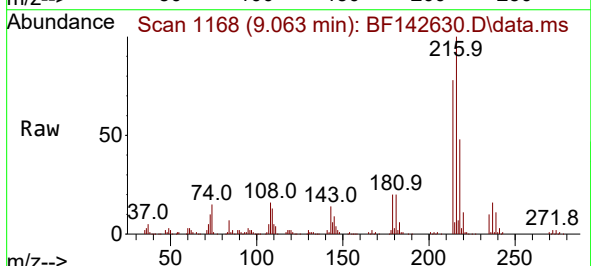
Ion Ratio Lower Upper

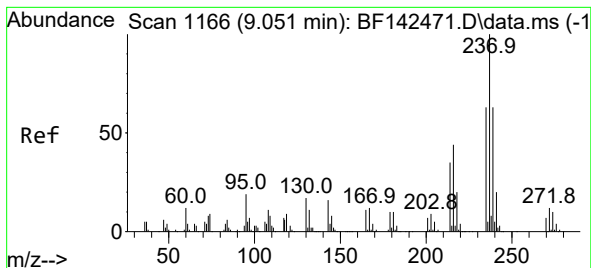
216 100

214 78.7 62.9 94.3

179 20.6 16.9 25.3

108 19.5 14.6 22.0





#41

Hexachlorocyclopentadiene

Concen: 84.810 ng

RT: 9.045 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF142630.D

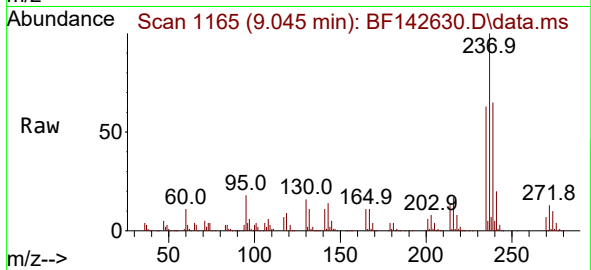
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:237 Resp: 381130

Ion Ratio Lower Upper

237 100

235 63.0 43.3 83.3

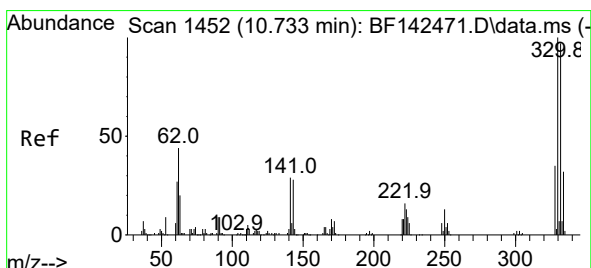
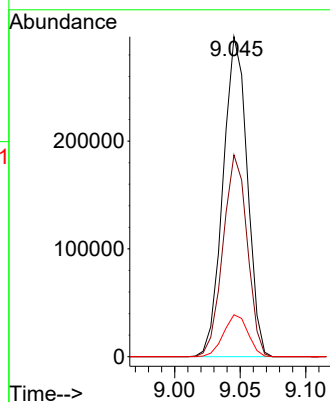
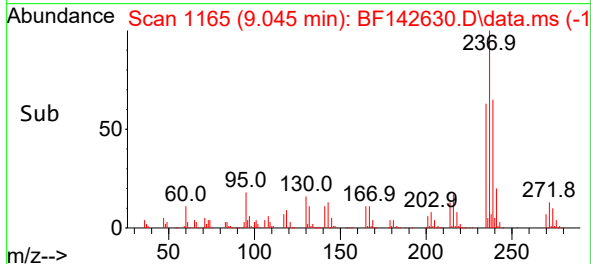
272 13.1 0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#42

2,4,6-Tribromophenol

Concen: 77.446 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

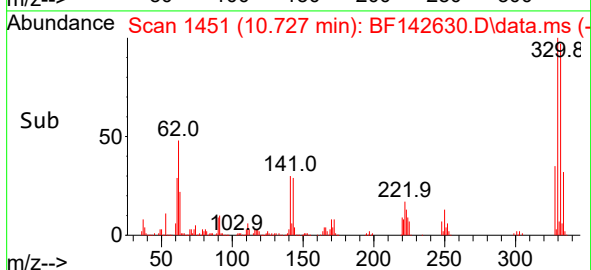
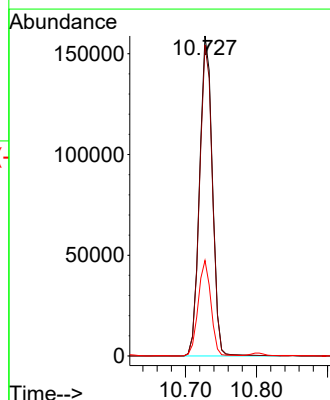
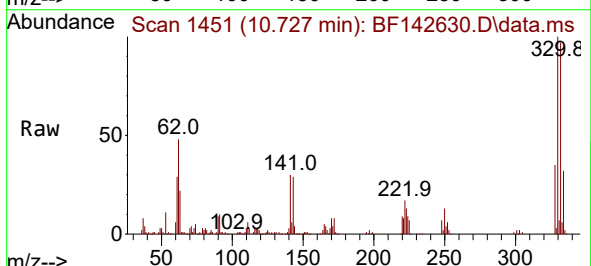
Tgt Ion:330 Resp: 199475

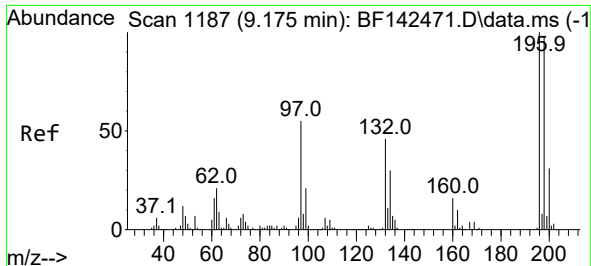
Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

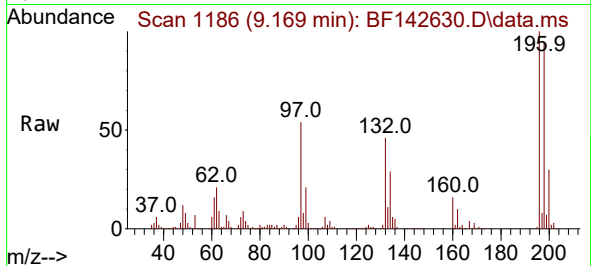
141 29.7 24.6 36.8





#43  
2,4,6-Trichlorophenol  
Concen: 45.608 ng  
RT: 9.169 min Scan# 1186  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

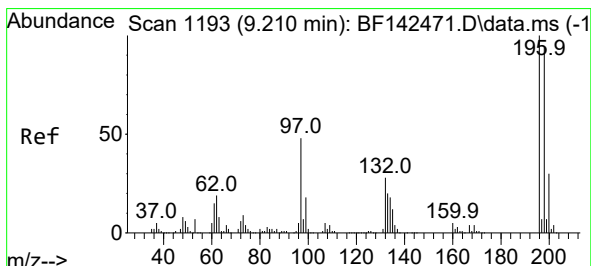
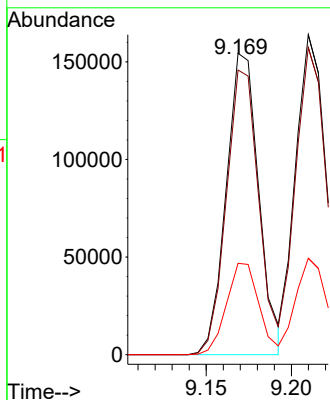
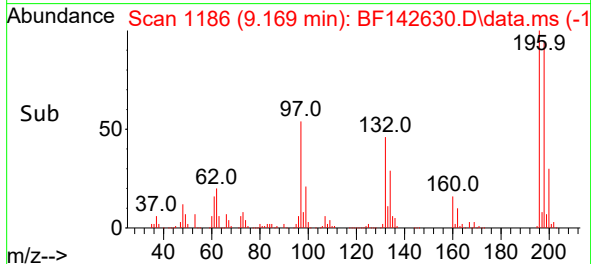
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:196 Resp: 20487  
Ion Ratio Lower Upper  
196 100  
198 94.4 78.8 118.2  
200 30.3 24.9 37.3

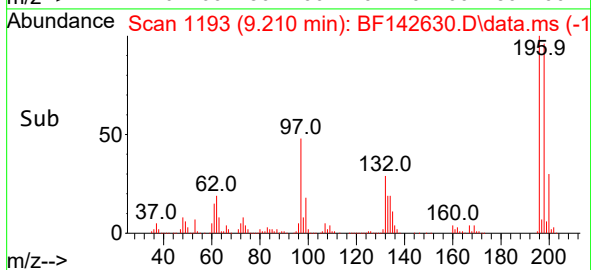
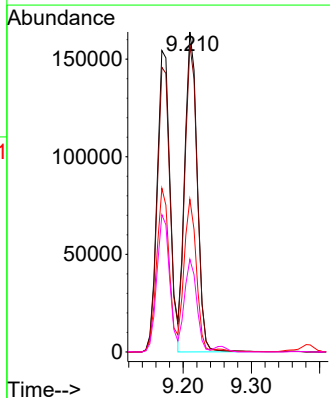
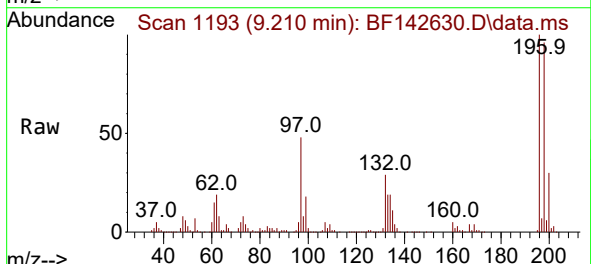
Manual Integrations  
APPROVED

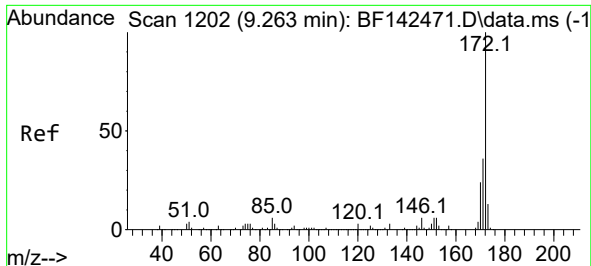
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#44  
2,4,5-Trichlorophenol  
Concen: 43.603 ng  
RT: 9.210 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

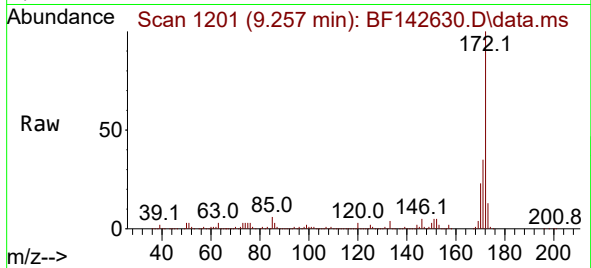
Tgt Ion:196 Resp: 206573  
Ion Ratio Lower Upper  
196 100  
198 96.0 75.5 113.3  
97 47.7 39.3 58.9  
132 29.0 23.3 34.9





#45  
2-Fluorobiphenyl  
Concen: 50.080 ng  
RT: 9.257 min Scan# 1201  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

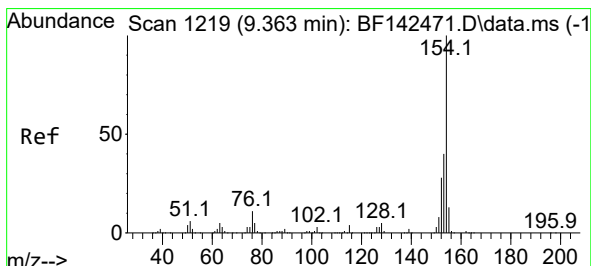
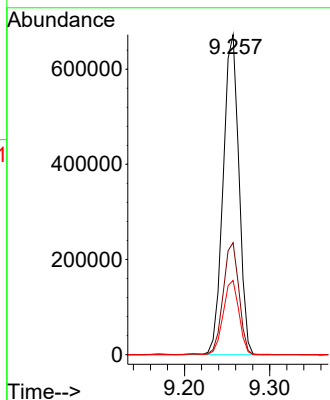
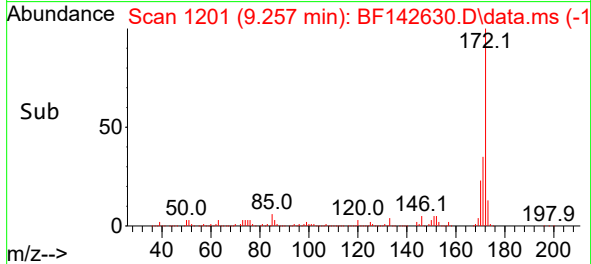
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



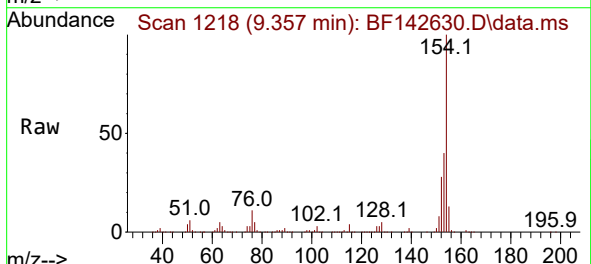
Tgt Ion:172 Resp: 866111  
Ion Ratio Lower Upper  
172 100  
171 35.0 28.6 42.8  
170 23.2 18.9 28.3

Manual Integrations  
APPROVED

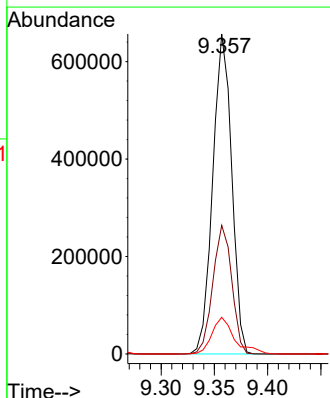
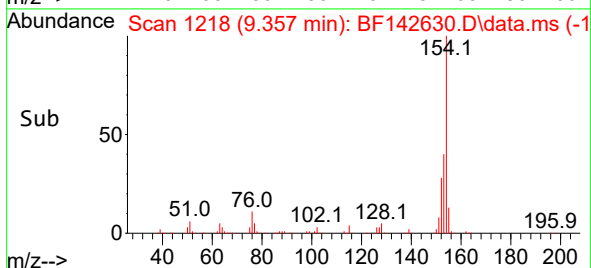
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

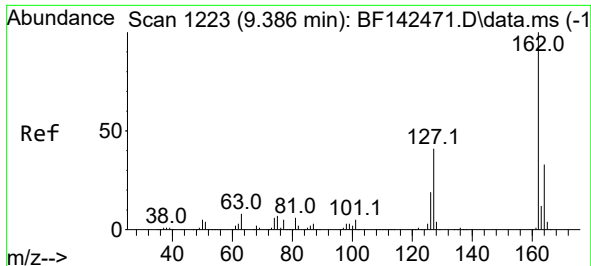


#46  
1,1'-Biphenyl  
Concen: 44.944 ng  
RT: 9.357 min Scan# 1218  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion:154 Resp: 809190  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.4 60.4  
76 11.5 0.0 30.8





#47

2-Chloronaphthalene

Concen: 45.242 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF142630.D

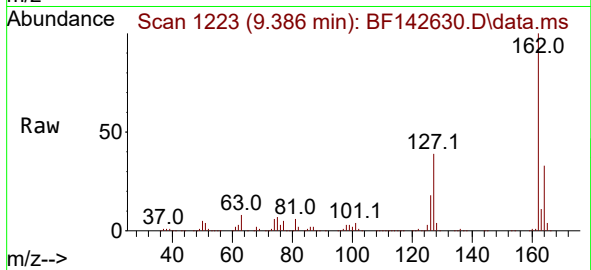
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:162 Resp: 60182

Ion Ratio Lower Upper

162 100

127 39.2 33.5 50.3

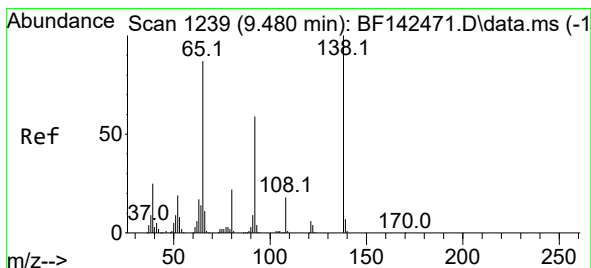
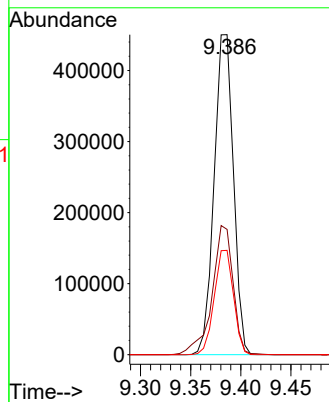
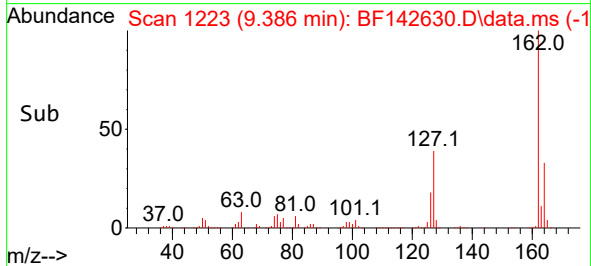
164 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#48

2-Nitroaniline

Concen: 45.115 ng

RT: 9.480 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

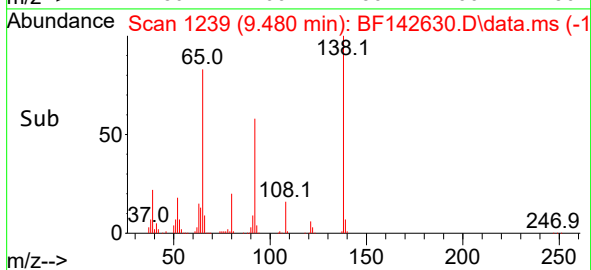
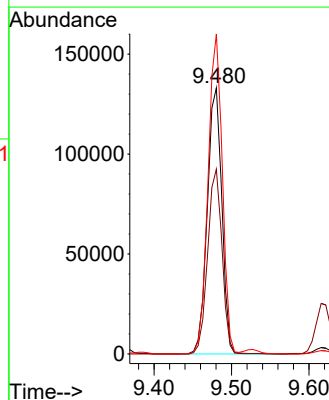
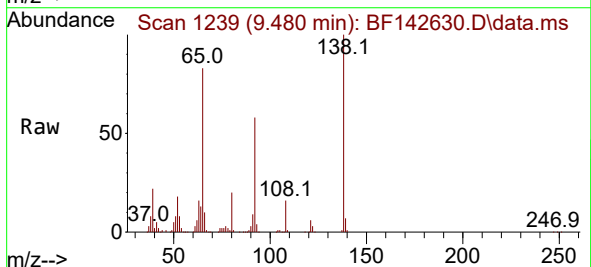
Tgt Ion: 65 Resp: 173466

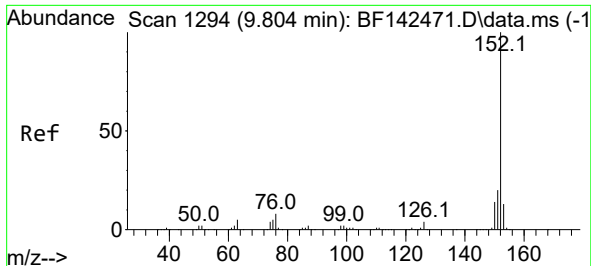
Ion Ratio Lower Upper

65 100

92 69.4 54.4 81.6

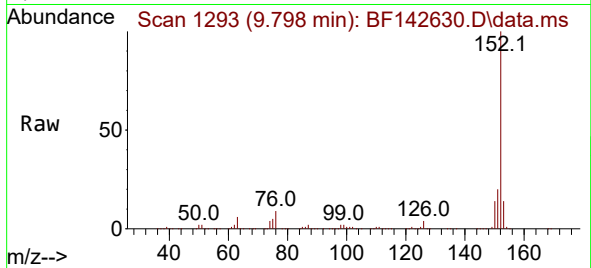
138 120.2 91.4 137.2





#49  
Acenaphthylene  
Concen: 43.832 ng  
RT: 9.798 min Scan# 1293  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

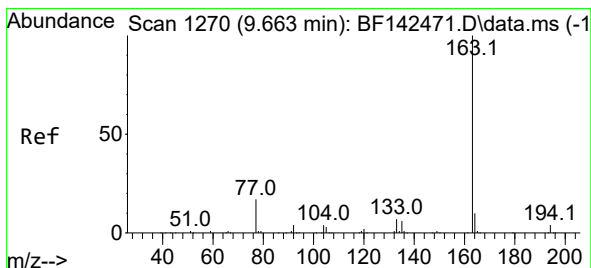
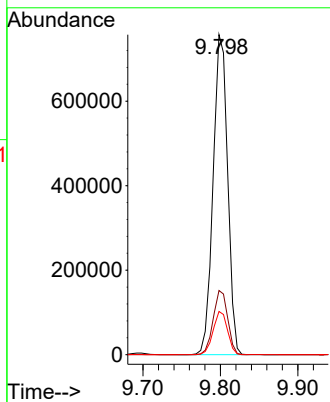
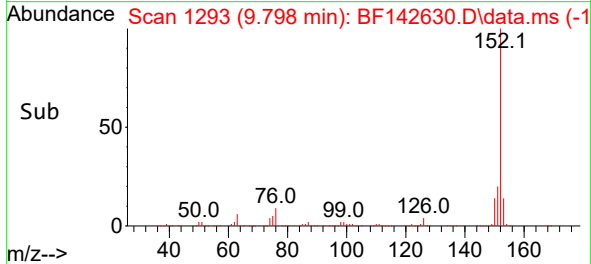
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



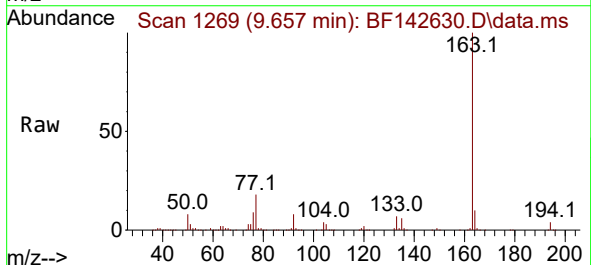
Tgt Ion:152 Resp: 98455  
Ion Ratio Lower Upper  
152 100  
151 20.1 15.8 23.8  
153 13.5 10.6 15.8

Manual Integrations  
APPROVED

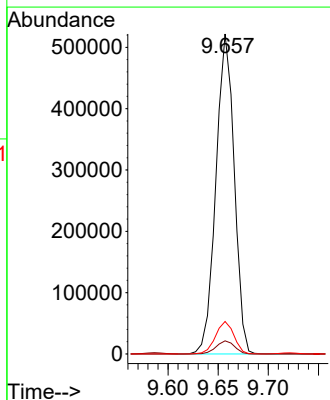
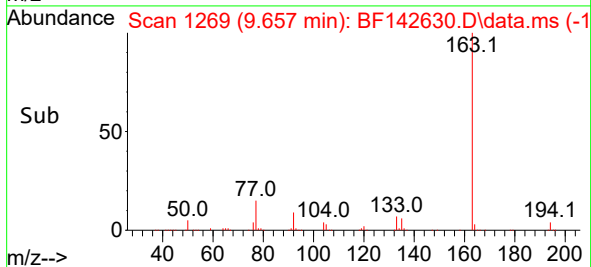
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

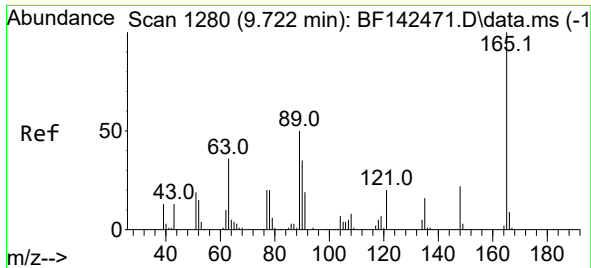


#50  
Dimethylphthalate  
Concen: 43.225 ng  
RT: 9.657 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



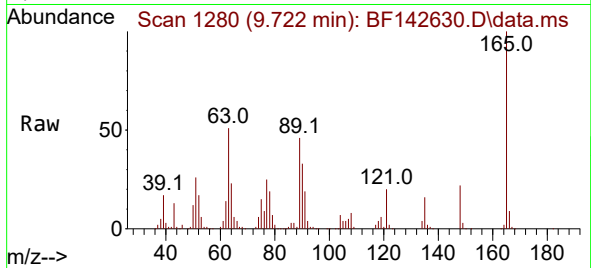
Tgt Ion:163 Resp: 661895  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.2 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 44.900 ng  
RT: 9.722 min Scan# 1280  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

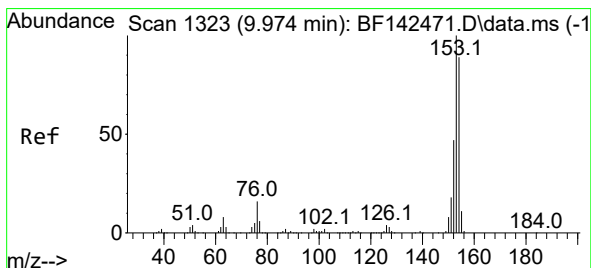
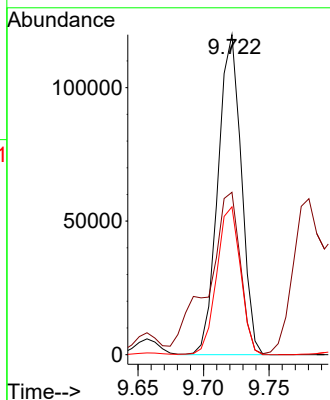
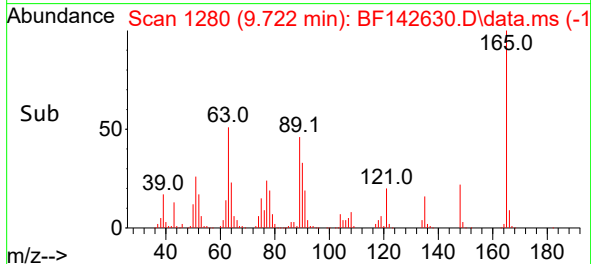
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:165 Resp: 148392  
Ion Ratio Lower Upper  
165 100  
63 50.7 42.9 64.3  
89 46.2 40.2 60.4

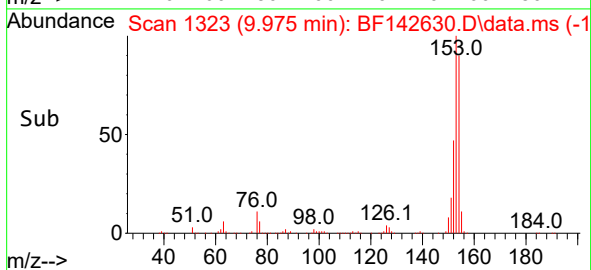
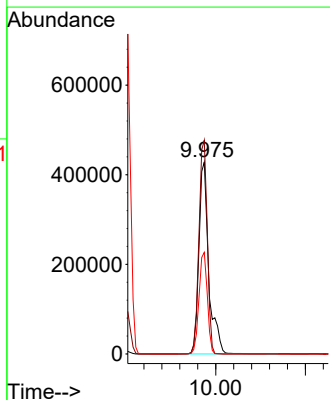
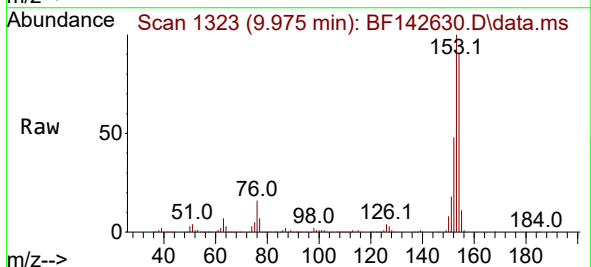
Manual Integrations  
APPROVED

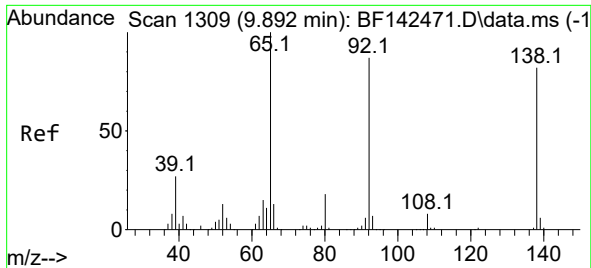
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#52  
Acenaphthene  
Concen: 47.744 ng  
RT: 9.975 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:154 Resp: 654841  
Ion Ratio Lower Upper  
154 100  
153 111.4 90.0 135.0  
152 52.9 42.6 64.0





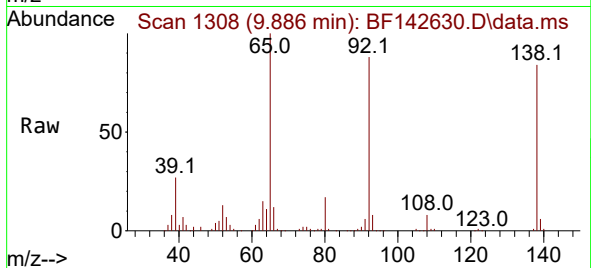
#53  
3-Nitroaniline  
Concen: 29.610 ng  
RT: 9.886 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



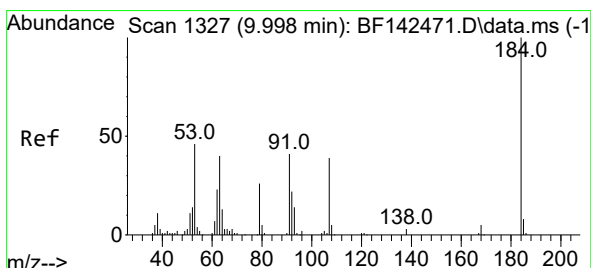
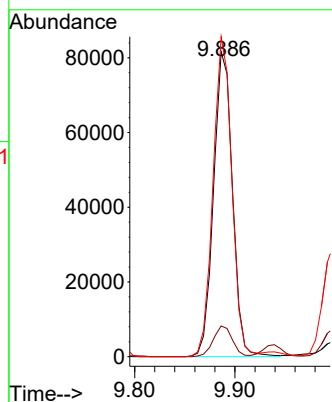
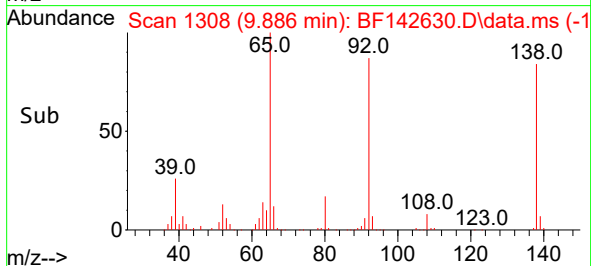
Tgt Ion:138 Resp: 10688  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.1 12.1  
92 104.9 85.2 127.8

Manual Integrations

APPROVED

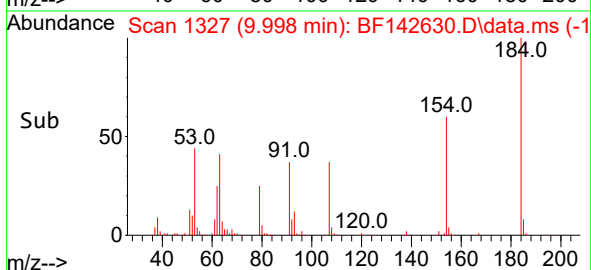
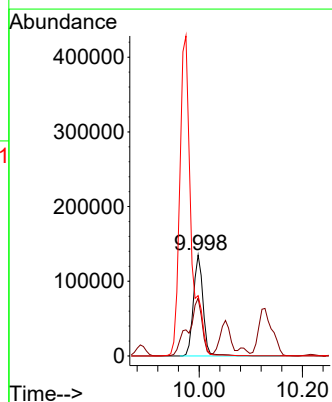
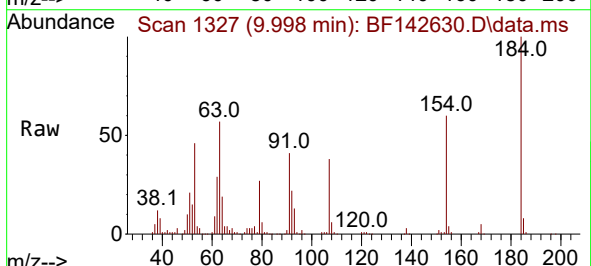
Reviewed By :Rahul Chavli 06/06/2025

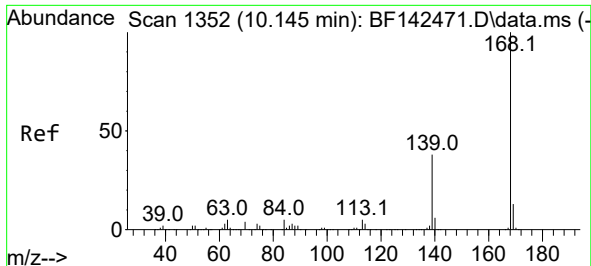
Supervised By :Jagrut Upadhyay 06/06/2025



#54  
2,4-Dinitrophenol  
Concen: 102.981 ng  
RT: 9.998 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

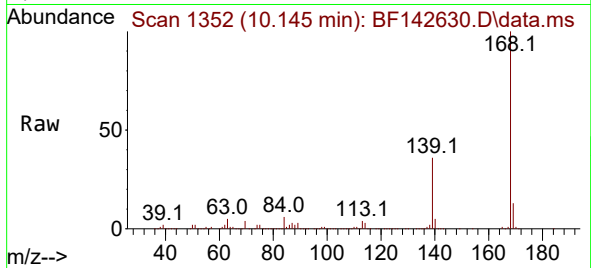
Tgt Ion:184 Resp: 175836  
Ion Ratio Lower Upper  
184 100  
63 57.2 46.3 69.5  
154 59.9 56.8 85.2





#55  
Dibenzofuran  
Concen: 42.904 ng  
RT: 10.145 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

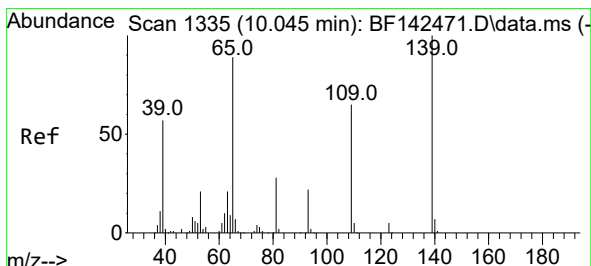
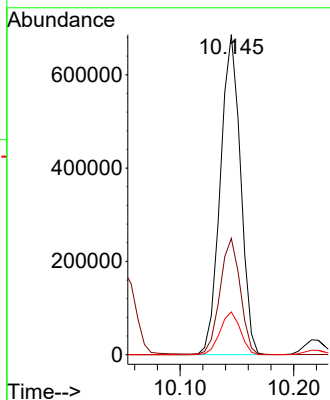
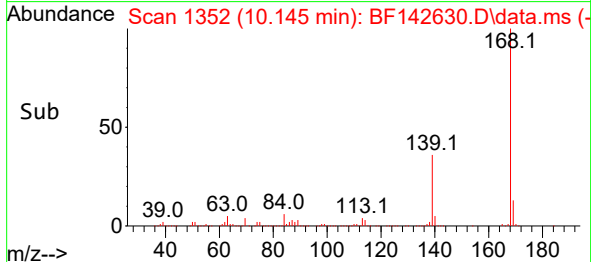
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:168 Resp: 84680  
Ion Ratio Lower Upper  
168 100  
139 36.3 30.2 45.2  
169 13.4 10.7 16.1

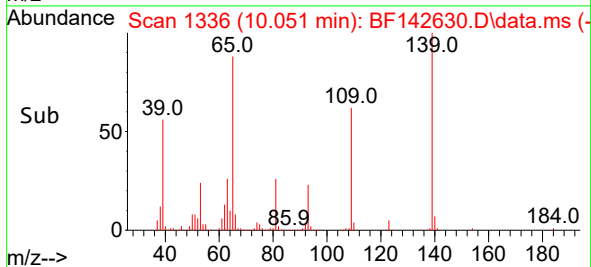
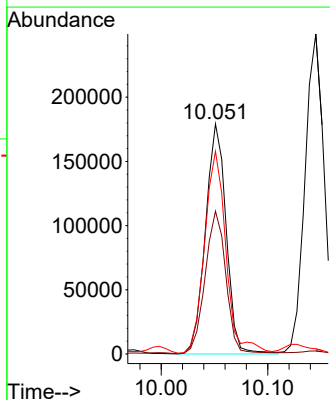
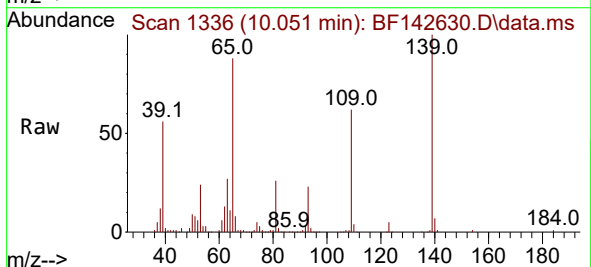
Manual Integrations  
APPROVED

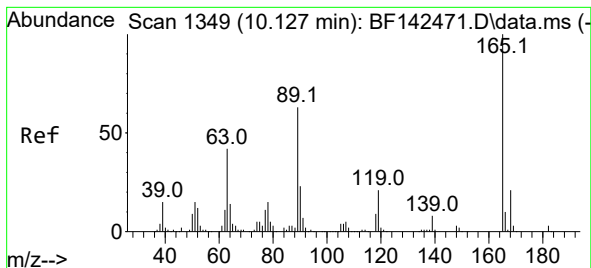
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#56  
4-Nitrophenol  
Concen: 91.196 ng  
RT: 10.051 min Scan# 1336  
Delta R.T. -0.000 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

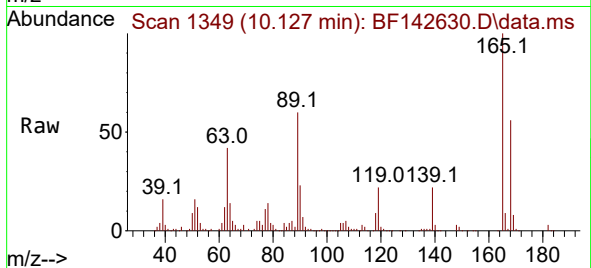
Tgt Ion:139 Resp: 242899  
Ion Ratio Lower Upper  
139 100  
109 62.1 45.1 85.1  
65 88.1 69.7 109.7





#57  
2,4-Dinitrotoluene  
Concen: 45.290 ng  
RT: 10.127 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

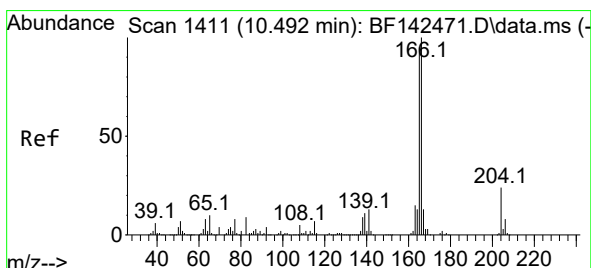
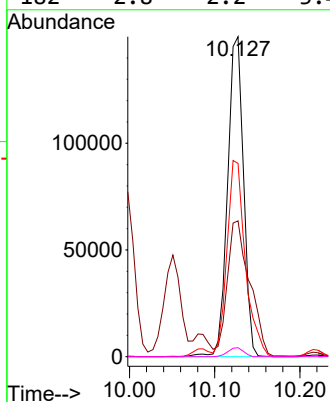
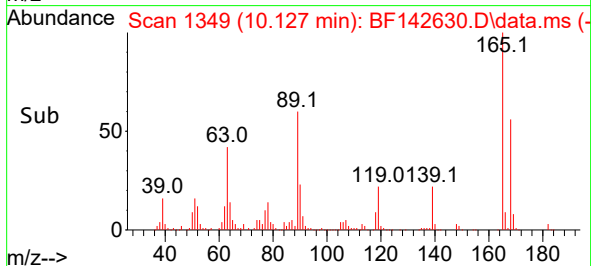
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



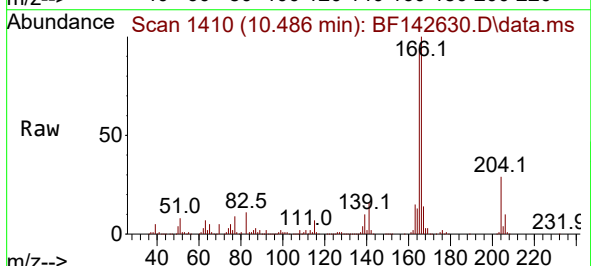
Tgt Ion:165 Resp: 19548  
Ion Ratio Lower Upper  
165 100  
63 42.4 33.6 50.4  
89 60.4 50.2 75.4  
182 2.8 2.2 3.4

Manual Integrations  
APPROVED

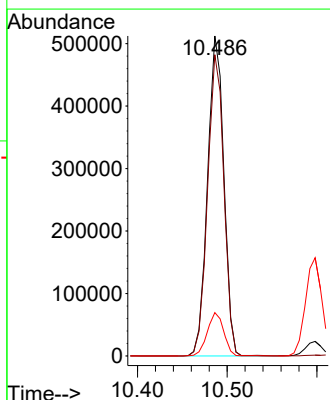
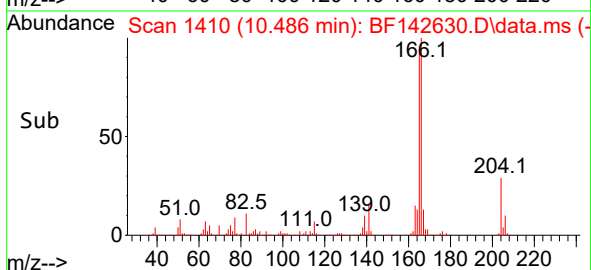
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

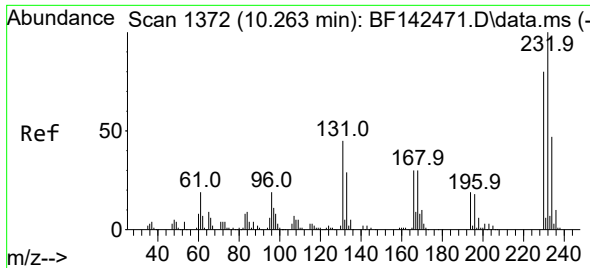


#58  
Fluorene  
Concen: 42.375 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



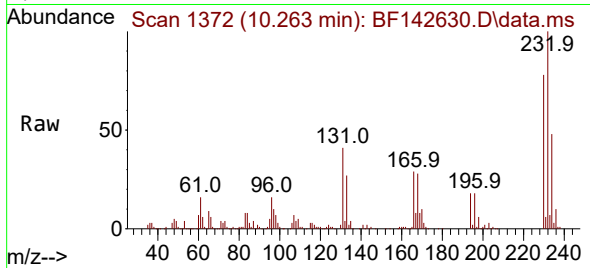
Tgt Ion:166 Resp: 646129  
Ion Ratio Lower Upper  
166 100  
165 94.1 75.8 113.8  
167 13.6 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.920 ng  
RT: 10.263 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

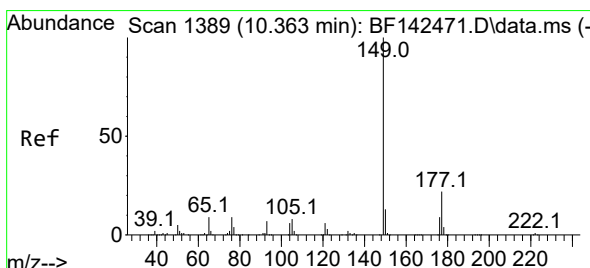
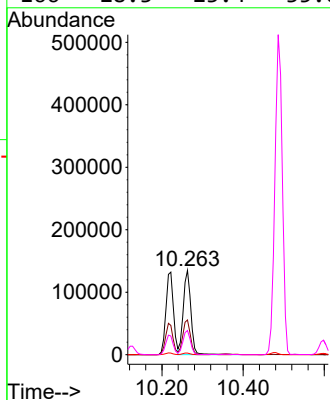
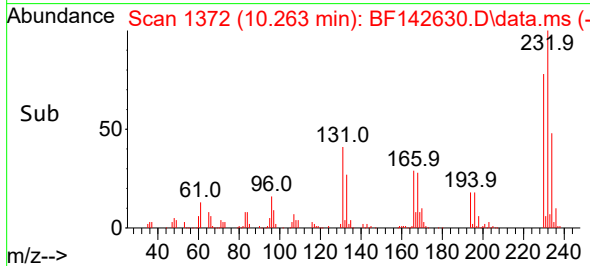
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



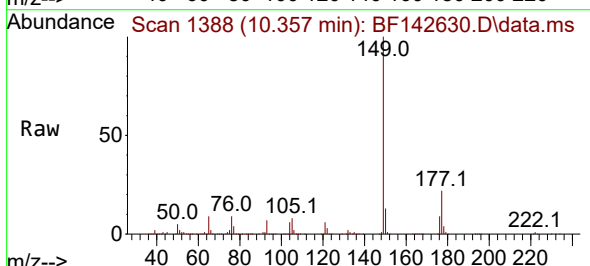
Tgt Ion:232 Resp: 173701  
Ion Ratio Lower Upper  
232 100  
131 41.7 35.2 52.8  
130 2.0 1.7 2.5  
166 28.3 23.4 35.0

Manual Integrations  
APPROVED

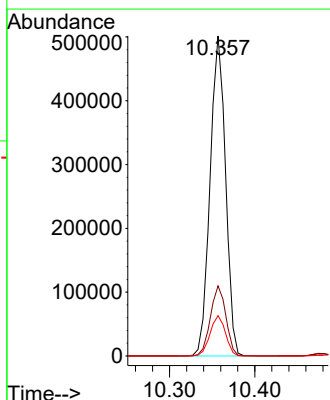
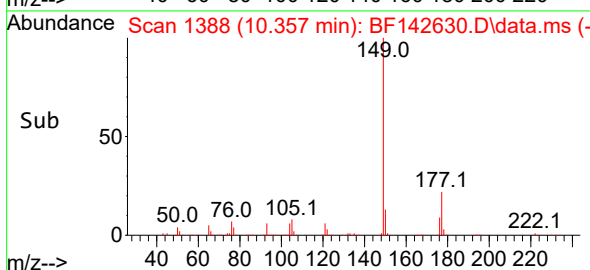
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

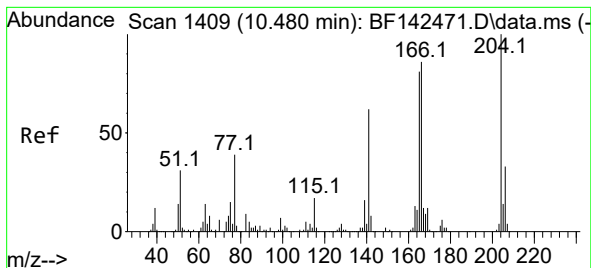


#60  
Diethylphthalate  
Concen: 42.251 ng  
RT: 10.357 min Scan# 1388  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



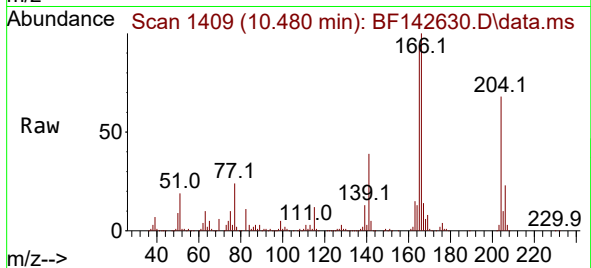
Tgt Ion:149 Resp: 631869  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.6 26.4  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 41.620 ng  
RT: 10.480 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

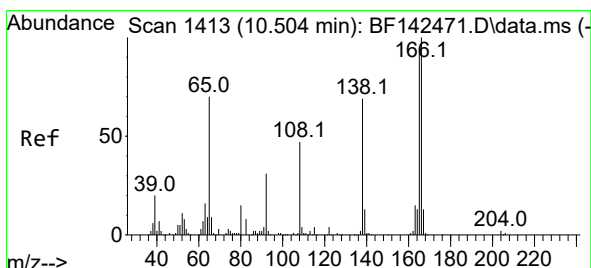
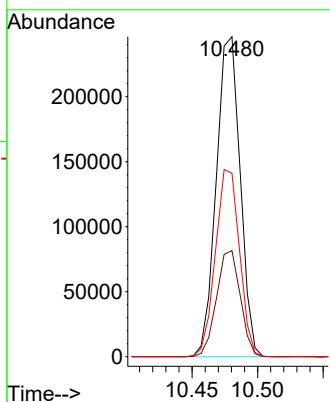
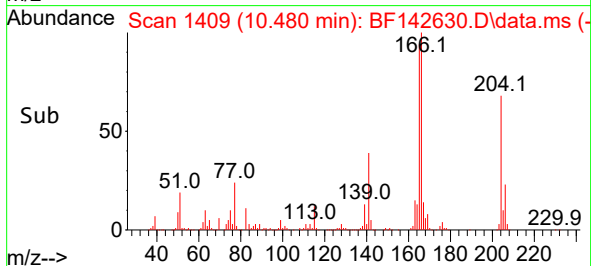
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



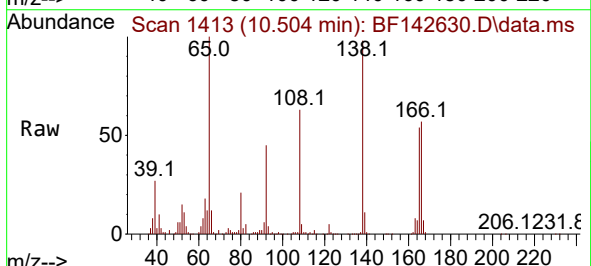
Tgt Ion:204 Resp: 311750  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.3 39.5  
141 57.4 49.5 74.3

Manual Integrations  
APPROVED

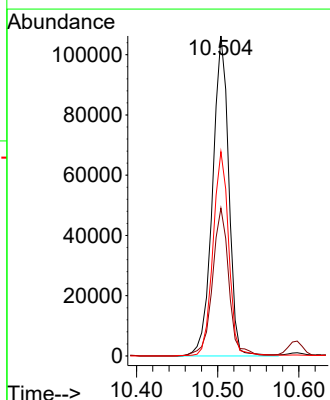
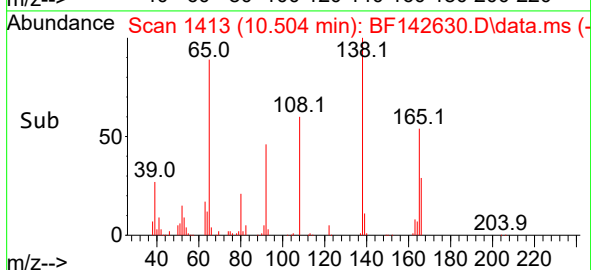
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

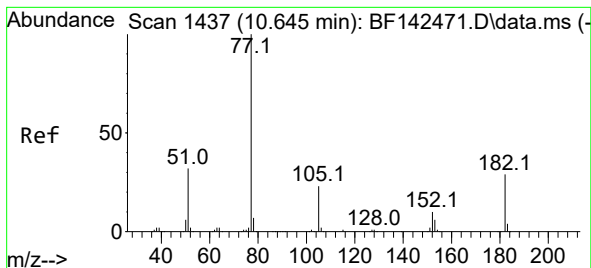


#62  
4-Nitroaniline  
Concen: 45.122 ng  
RT: 10.504 min Scan# 1413  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



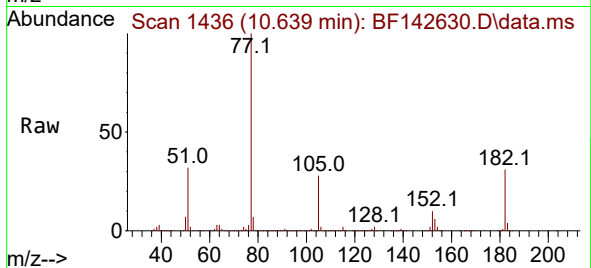
Tgt Ion:138 Resp: 147725  
Ion Ratio Lower Upper  
138 100  
92 46.2 26.0 66.0  
108 63.8 48.4 88.4





#63  
Azobenzene  
Concen: 47.163 ng  
RT: 10.639 min Scan# 1436  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

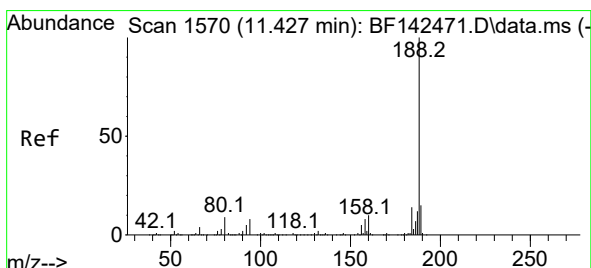
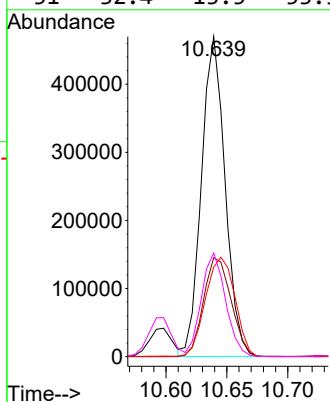
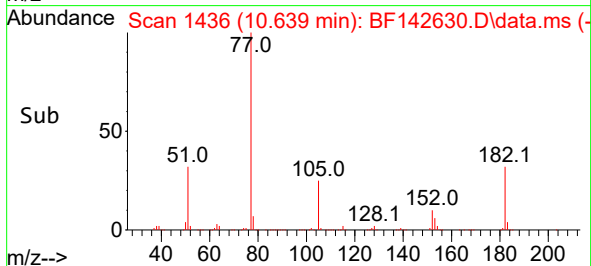
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion: 77 Resp: 633510  
Ion Ratio Lower Upper  
77 100  
182 31.0 9.0 49.0  
105 28.0 2.4 42.4  
51 32.4 13.5 53.5

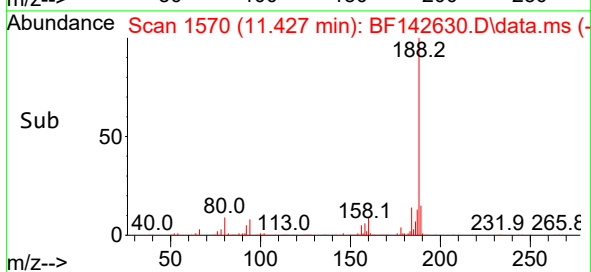
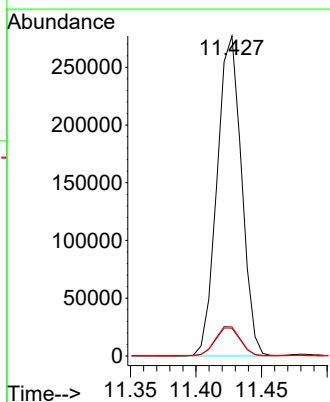
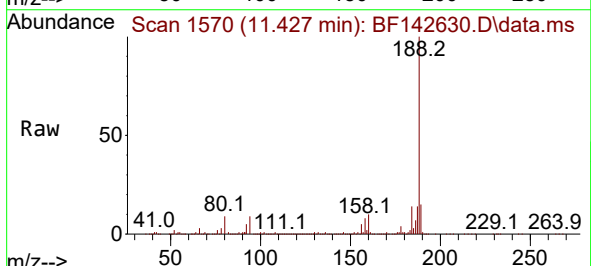
Manual Integrations  
APPROVED

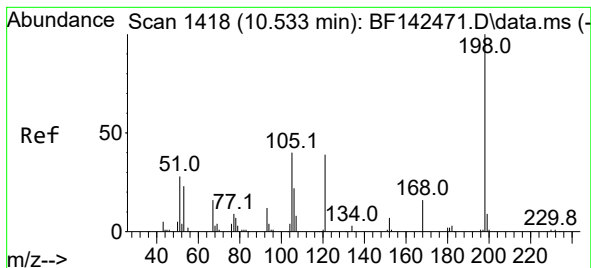
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

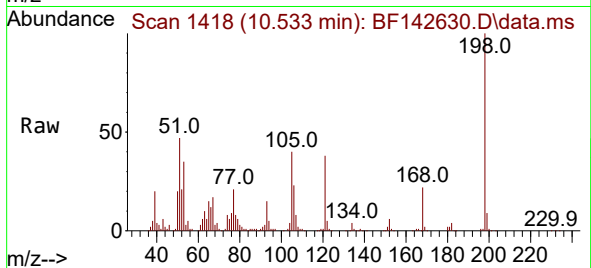
Tgt Ion:188 Resp: 359383  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.6 10.0  
80 9.1 7.4 11.0





#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.670 ng  
RT: 10.533 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

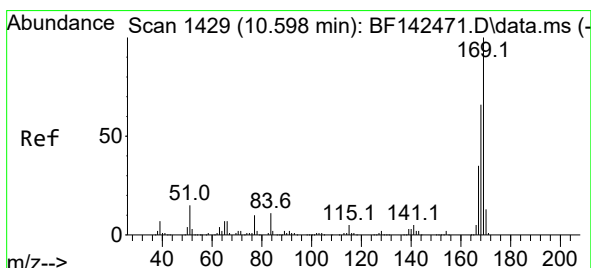
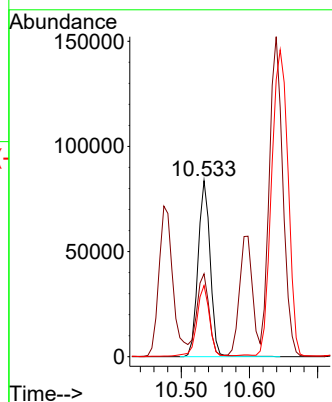
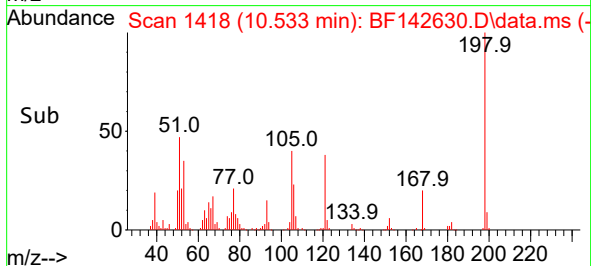
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:198 Resp: 103633  
Ion Ratio Lower Upper  
198 100  
51 47.1 28.3 68.3  
105 40.4 21.3 61.3

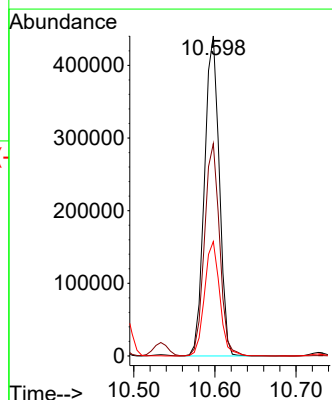
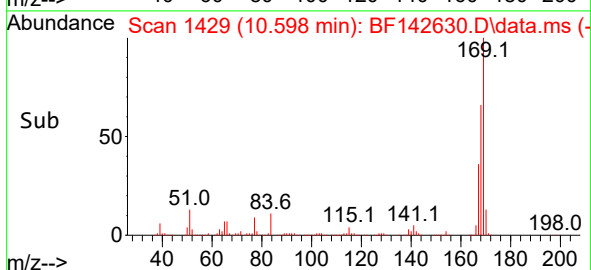
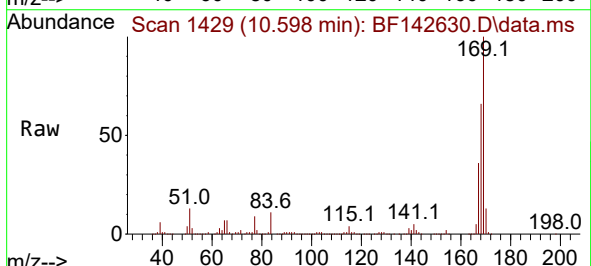
Manual Integrations  
APPROVED

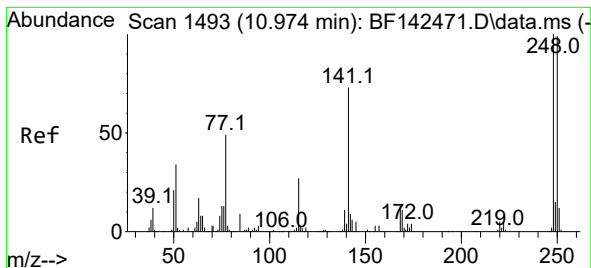
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#66  
n-Nitrosodiphenylamine  
Concen: 45.248 ng  
RT: 10.598 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

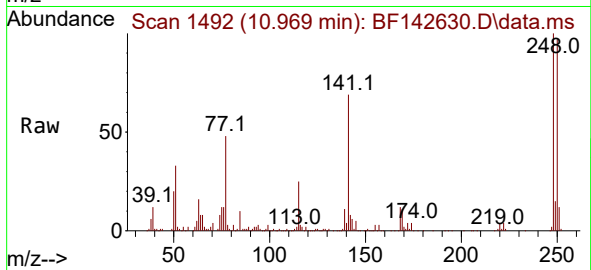
Tgt Ion:169 Resp: 556337  
Ion Ratio Lower Upper  
169 100  
168 66.3 52.7 79.1  
167 35.7 28.3 42.5





#67  
4-Bromophenyl-phenylether  
Concen: 45.039 ng  
RT: 10.969 min Scan# 1492  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

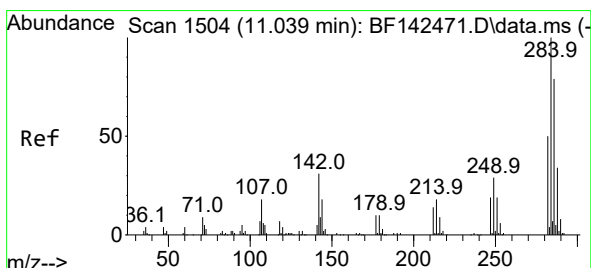
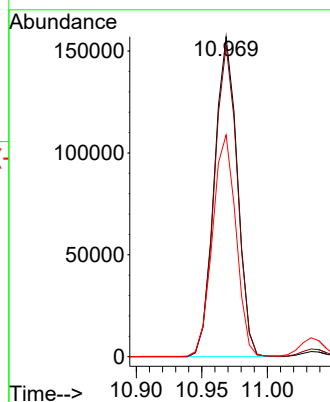
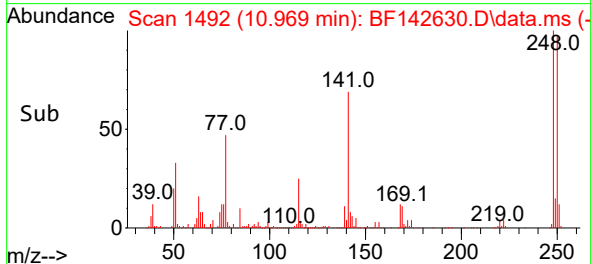
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



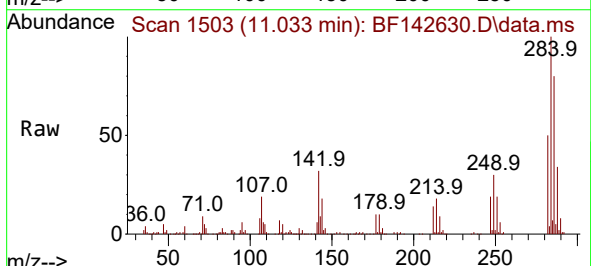
Tgt Ion:248 Resp: 191389  
Ion Ratio Lower Upper  
248 100  
250 97.3 79.0 118.4  
141 69.3 58.4 87.6

Manual Integrations  
APPROVED

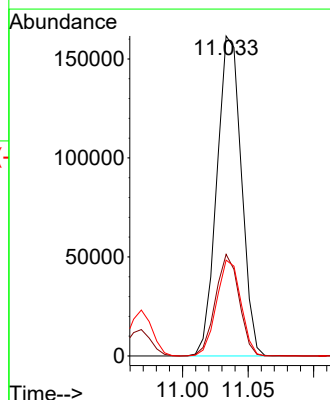
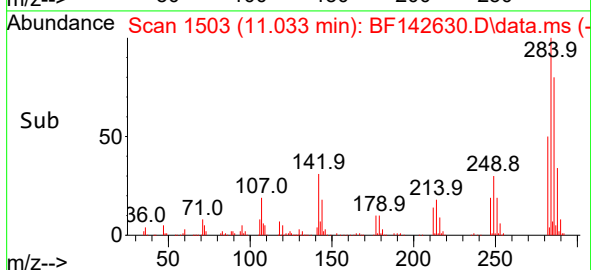
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

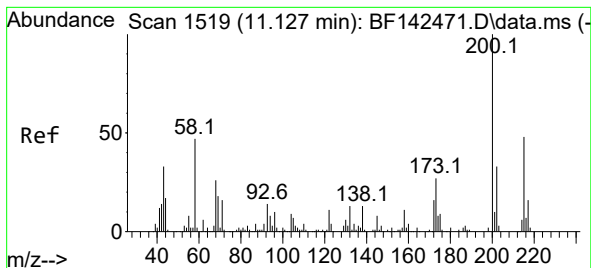


#68  
Hexachlorobenzene  
Concen: 44.612 ng  
RT: 11.033 min Scan# 1503  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion:284 Resp: 209677  
Ion Ratio Lower Upper  
284 100  
142 31.7 24.8 37.2  
249 30.0 23.6 35.4





#69

Atrazine

Concen: 49.956 ng

RT: 11.121 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

Tgt Ion:200 Resp: 16312

Ion Ratio Lower Upper

200 100

173 28.4 7.4 47.4

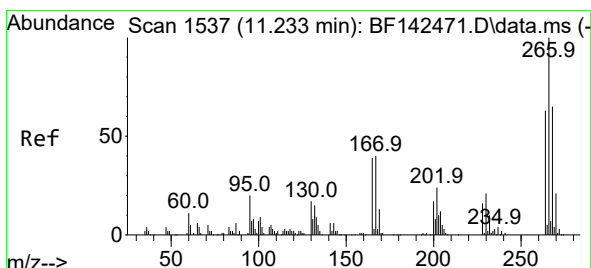
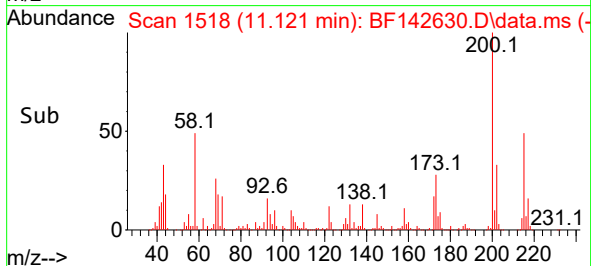
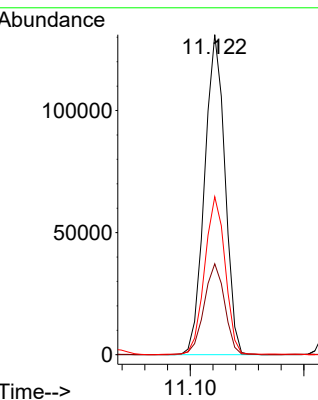
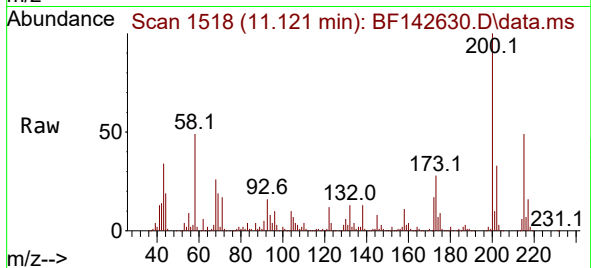
215 49.4 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#70

Pentachlorophenol

Concen: 86.908 ng

RT: 11.233 min Scan# 1537

Delta R.T. 0.000 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

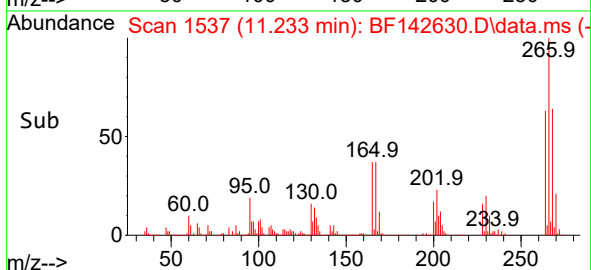
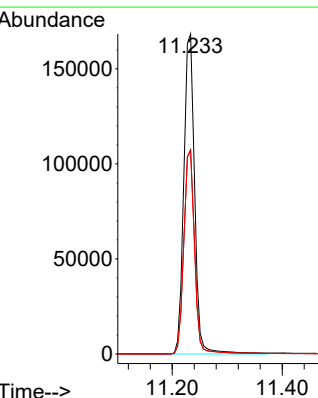
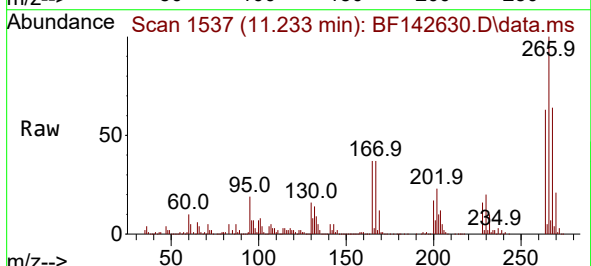
Tgt Ion:266 Resp: 230613

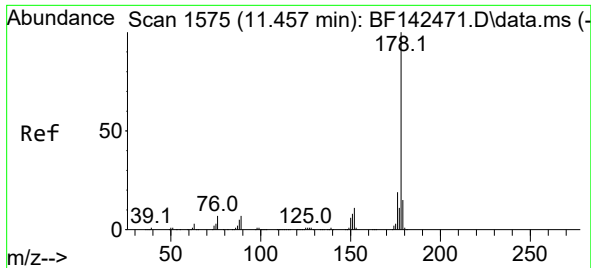
Ion Ratio Lower Upper

266 100

268 63.8 51.7 77.5

264 63.2 50.4 75.6





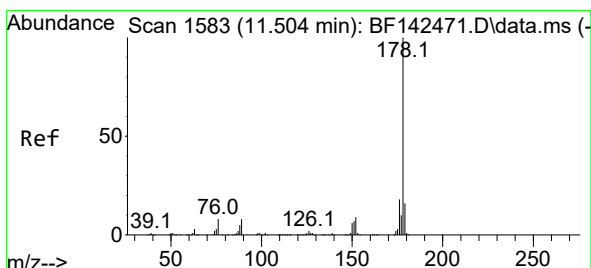
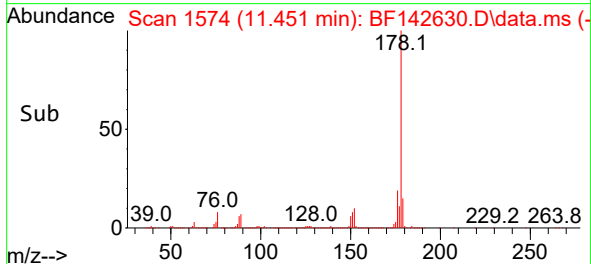
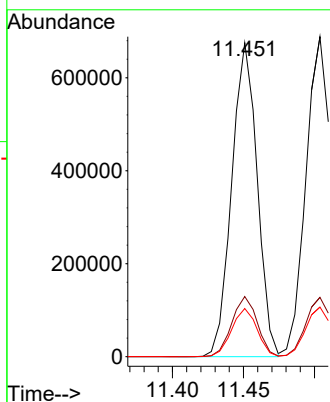
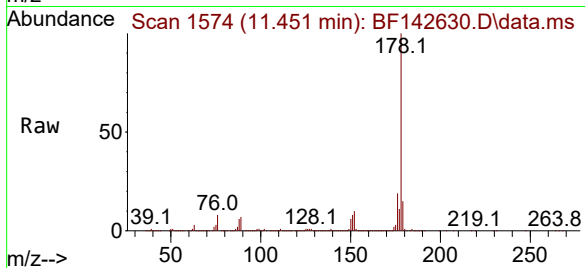
#71  
Phenanthrene  
Concen: 43.781 ng  
RT: 11.451 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD

Tgt Ion:178 Resp: 840862  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.3 12.3 18.5

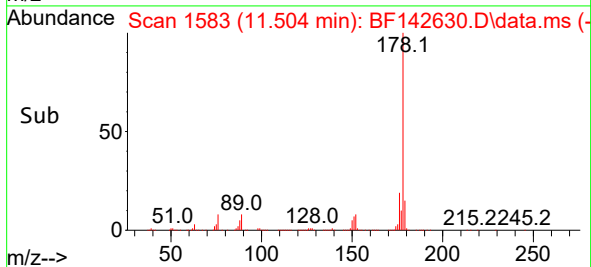
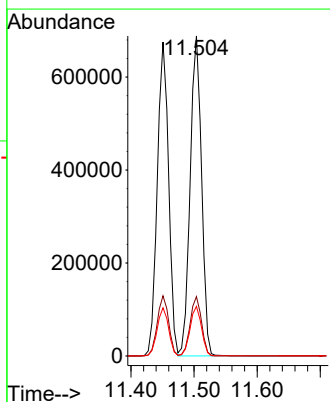
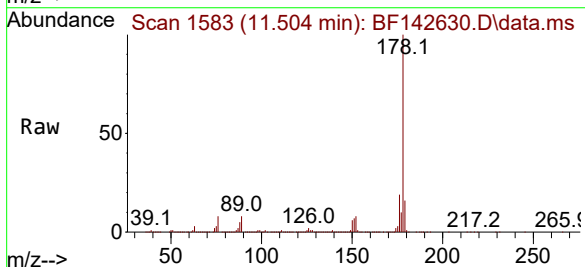
Manual Integrations  
APPROVED

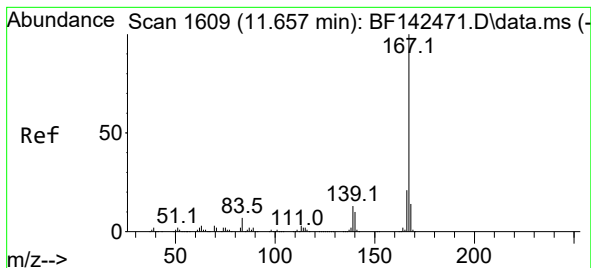
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#72  
Anthracene  
Concen: 43.995 ng  
RT: 11.504 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

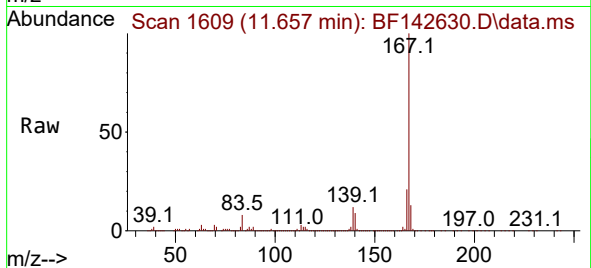
Tgt Ion:178 Resp: 862354  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.6 21.8  
179 15.5 12.4 18.6





#73  
 Carbazole  
 Concen: 44.940 ng  
 RT: 11.657 min Scan# 1609  
 Delta R.T. -0.006 min  
 Lab File: BF142630.D  
 Acq: 05 Jun 2025 13:07

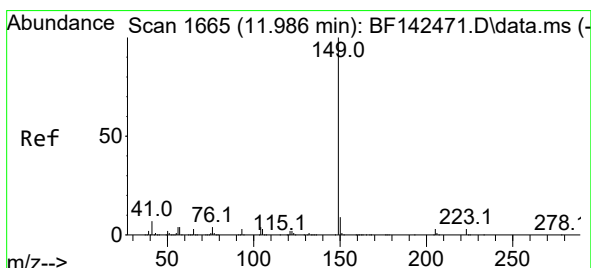
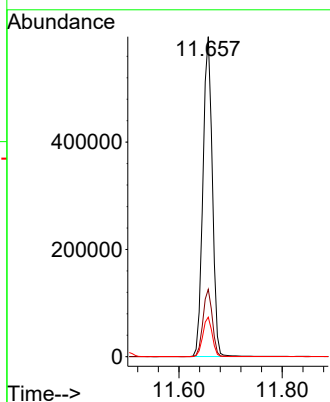
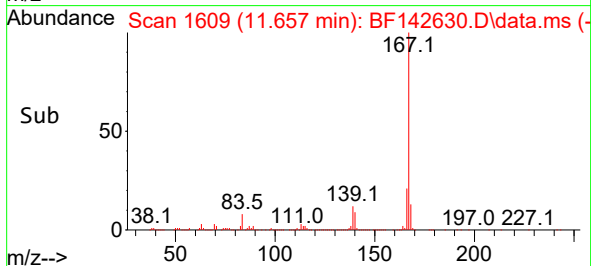
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-13MSD



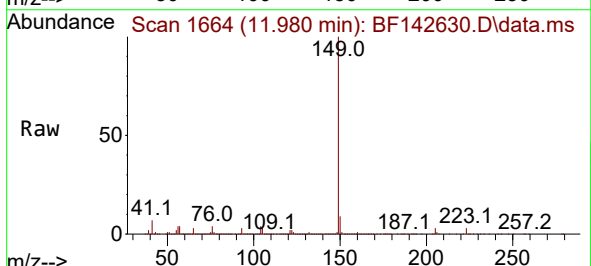
Tgt Ion:167 Resp: 753059  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 16.9 25.3  
 139 12.4 10.2 15.4

Manual Integrations  
 APPROVED

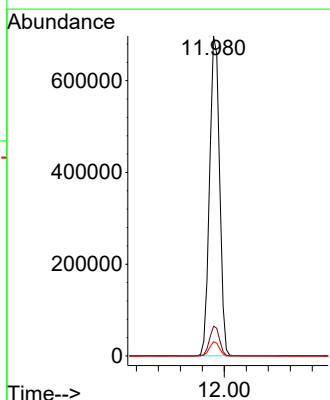
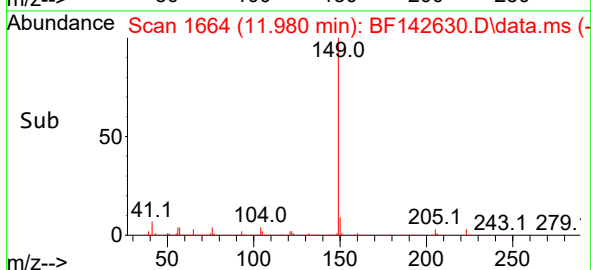
Reviewed By :Rahul Chavli 06/06/2025  
 Supervised By :Jagrut Upadhyay 06/06/2025

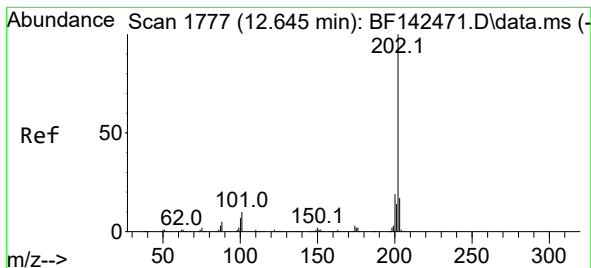


#74  
 Di-n-butylphthalate  
 Concen: 47.821 ng  
 RT: 11.980 min Scan# 1664  
 Delta R.T. -0.012 min  
 Lab File: BF142630.D  
 Acq: 05 Jun 2025 13:07



Tgt Ion:149 Resp: 877150  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.3 10.9  
 104 4.4 3.6 5.4





#75

Fluoranthene

Concen: 44.438 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

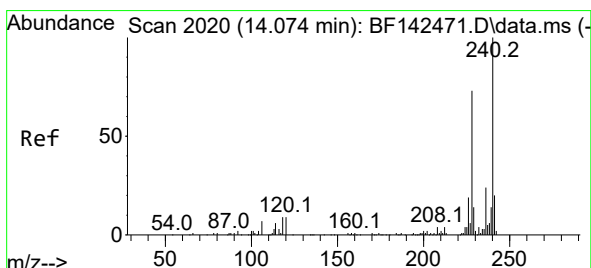
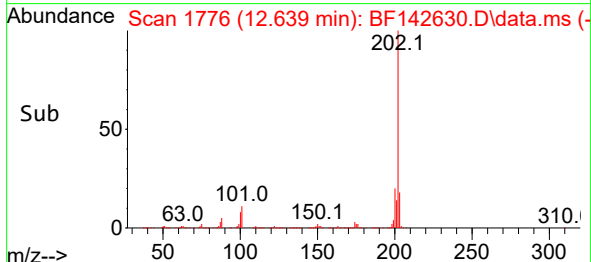
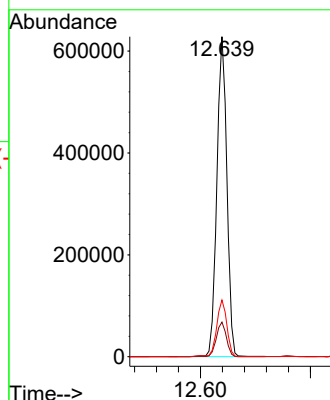
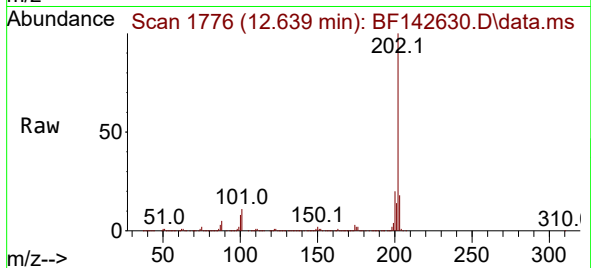
Tgt Ion:202 Resp: 797484  
 Ion Ratio Lower Upper  
 202 100  
 101 10.8 0.0 29.6  
 203 17.7 0.0 37.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

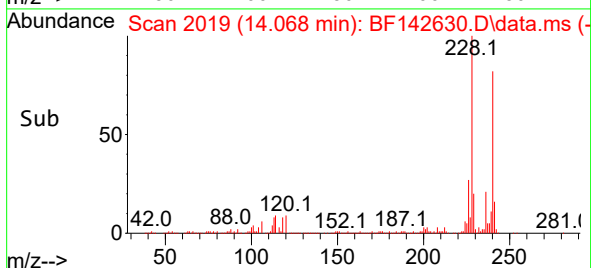
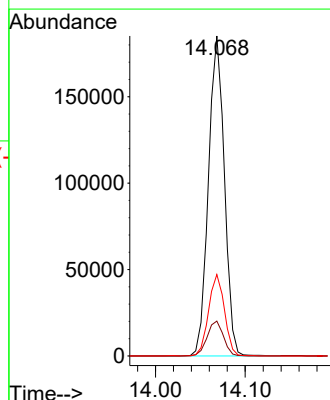
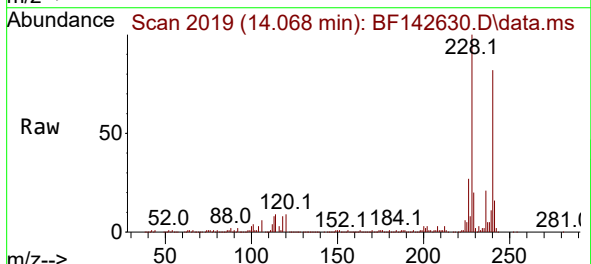
RT: 14.068 min Scan# 2019

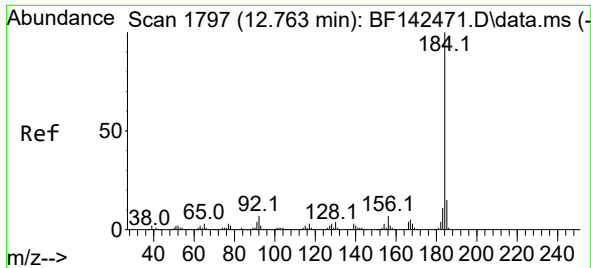
Delta R.T. -0.006 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

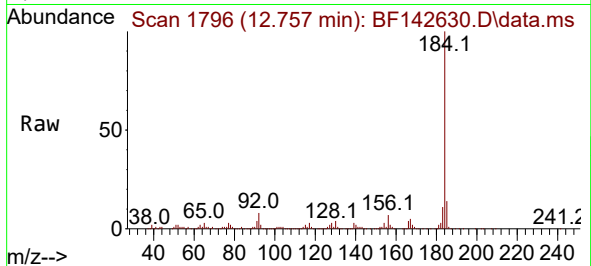
Tgt Ion:240 Resp: 228816  
 Ion Ratio Lower Upper  
 240 100  
 120 10.9 7.5 11.3  
 236 25.4 19.6 29.4





#77  
Benzidine  
Concen: 40.809 ng  
RT: 12.757 min Scan# 1796  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

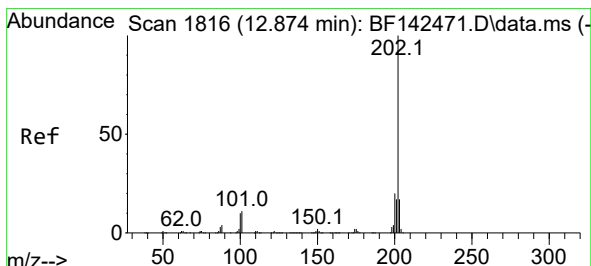
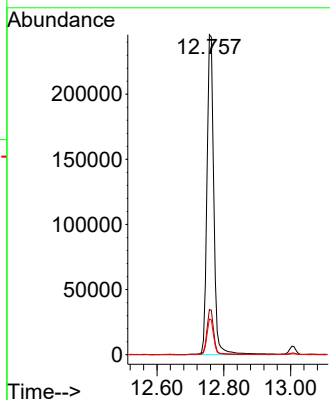
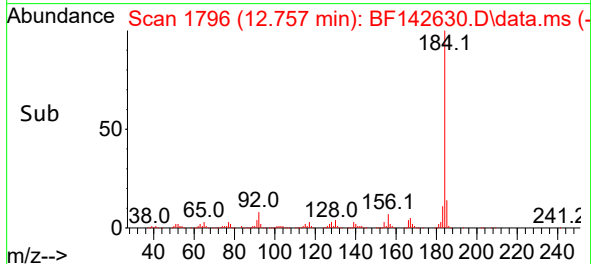
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:184 Resp: 34748  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.6 17.4  
183 11.1 9.0 13.4

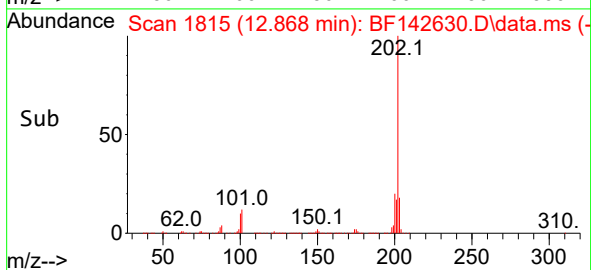
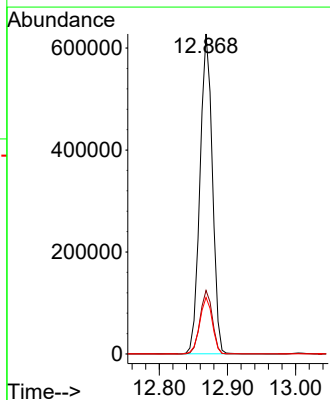
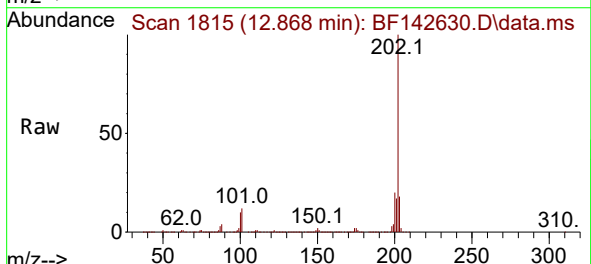
Manual Integrations  
APPROVED

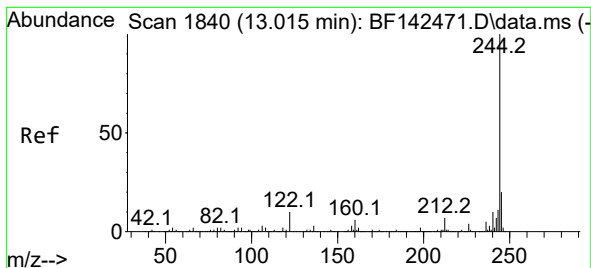
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#78  
Pyrene  
Concen: 37.189 ng  
RT: 12.868 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:202 Resp: 793809  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.1 24.1  
203 17.7 13.9 20.9





#79

Terphenyl-d14

Concen: 39.911 ng

RT: 13.010 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142630.D

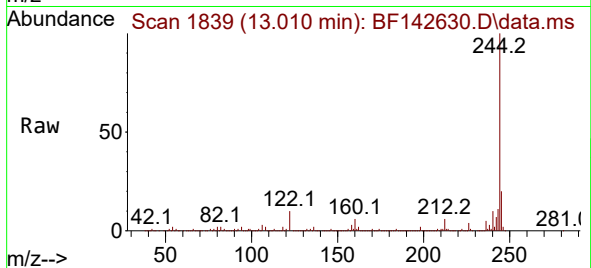
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



Tgt Ion:244 Resp: 66826

Ion Ratio Lower Upper

244 100

212 6.2 5.3 7.9

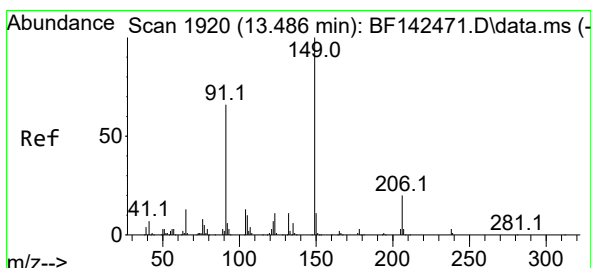
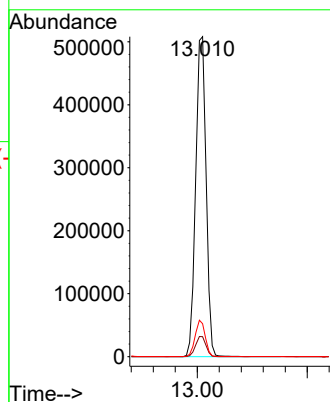
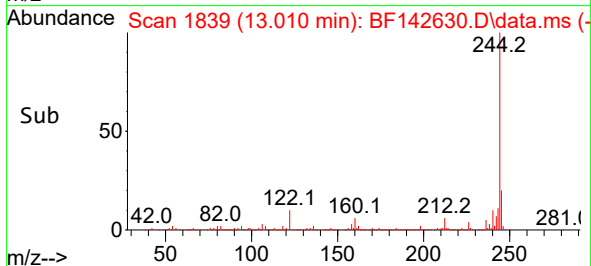
122 10.3 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#80

Butylbenzylphthalate

Concen: 51.673 ng

RT: 13.480 min Scan# 1919

Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

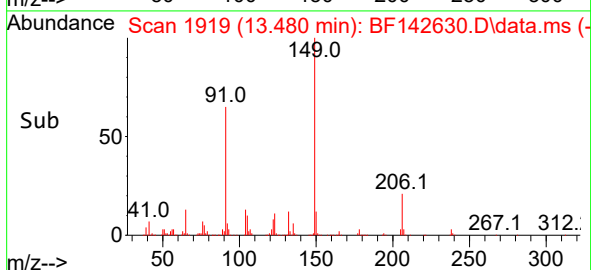
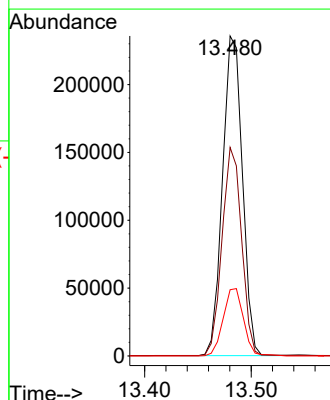
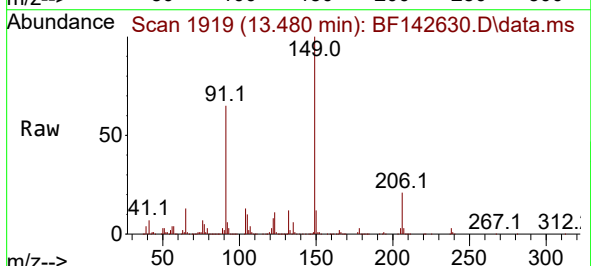
Tgt Ion:149 Resp: 304769

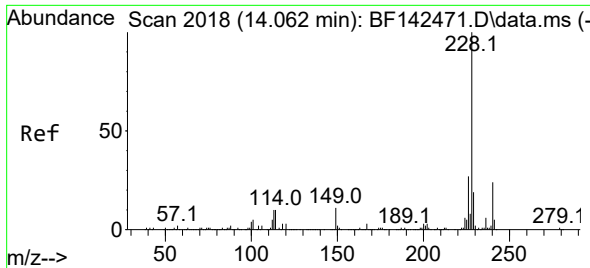
Ion Ratio Lower Upper

149 100

91 65.2 52.9 79.3

206 20.7 16.2 24.2





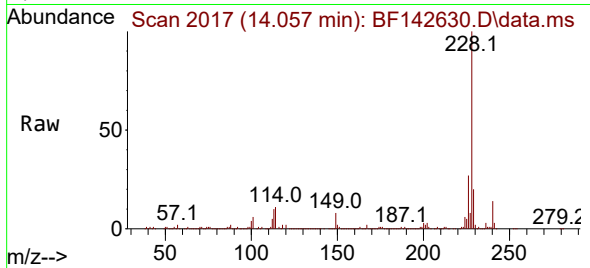
#81  
Benzo(a)anthracene  
Concen: 44.645 ng  
RT: 14.057 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD



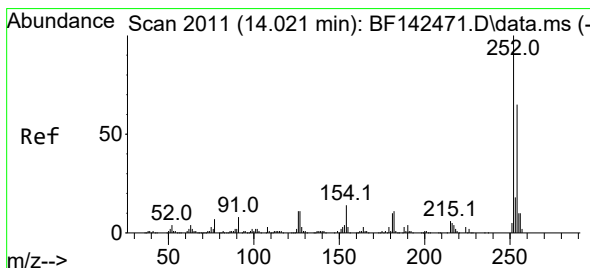
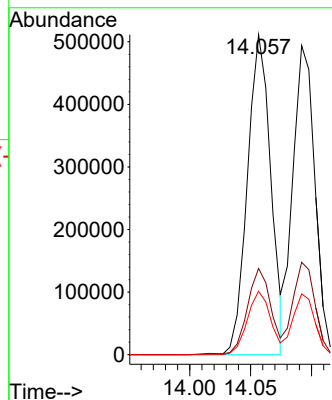
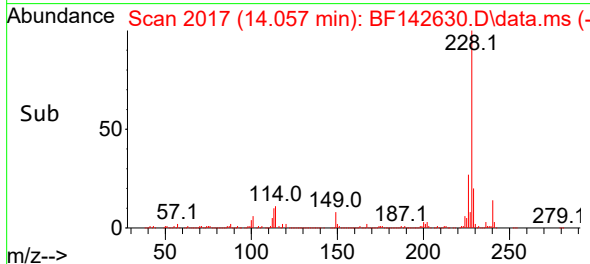
Tgt Ion:228 Resp: 682149  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.2 31.8  
229 19.9 15.5 23.3

Manual Integrations

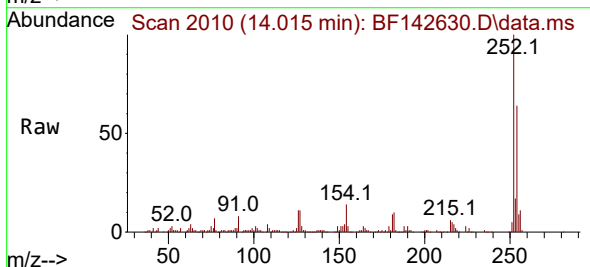
APPROVED

Reviewed By :Rahul Chavli 06/06/2025

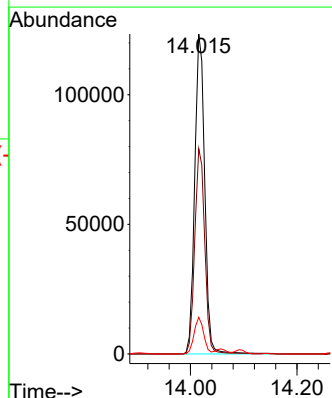
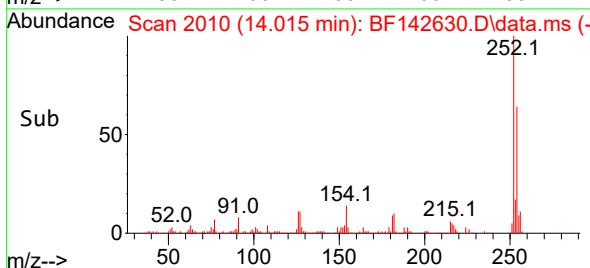
Supervised By :Jagrut Upadhyay 06/06/2025

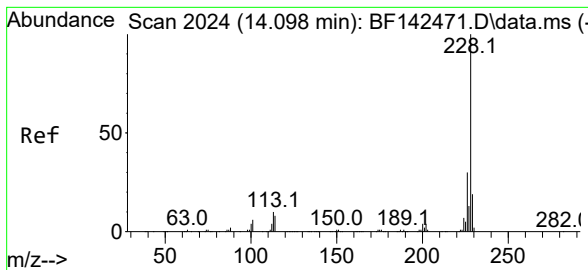


#82  
3,3'-Dichlorobenzidine  
Concen: 34.799 ng  
RT: 14.015 min Scan# 2010  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion:252 Resp: 161271  
Ion Ratio Lower Upper  
252 100  
254 64.2 52.0 78.0  
126 11.5 8.9 13.3





#83

Chrysene

Concen: 45.563 ng

RT: 14.092 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

Tgt Ion:228 Resp: 625549

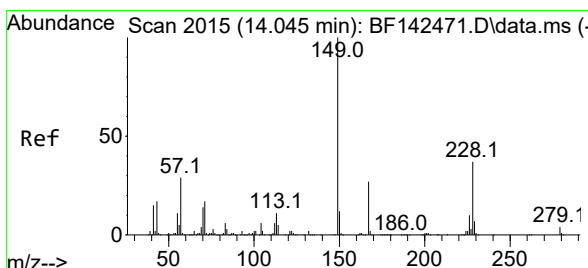
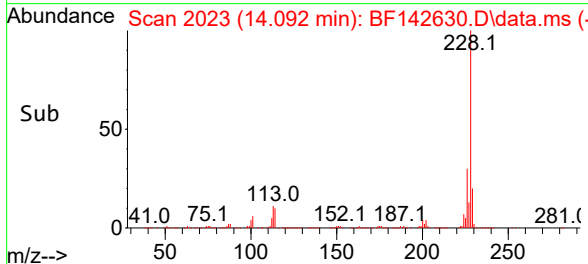
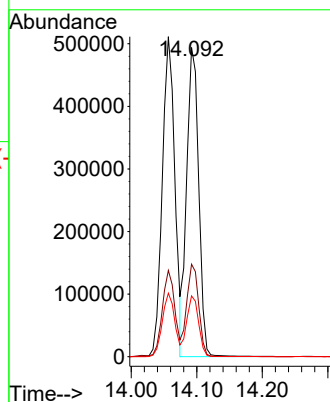
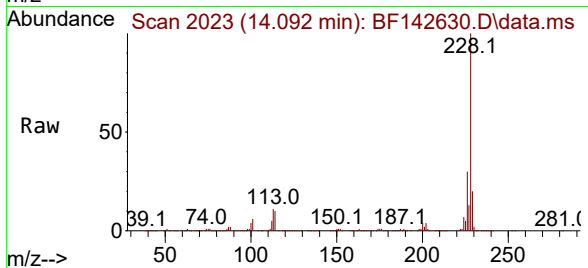
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.9  | 23.8  | 35.6  |
| 229 | 19.7  | 15.4  | 23.2  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/06/2025

Supervised By :Jagrut Upadhyay 06/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.655 ng

RT: 14.039 min Scan# 2014

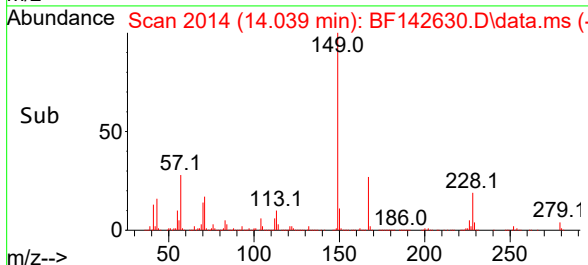
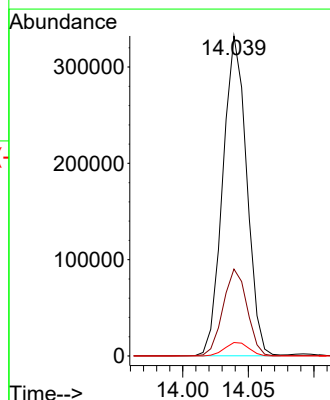
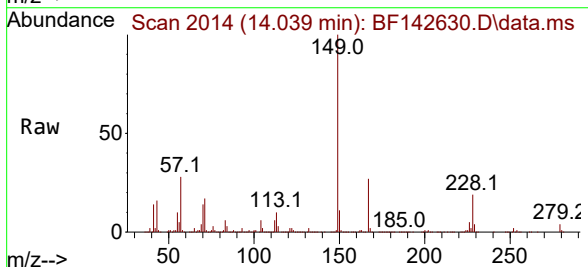
Delta R.T. -0.012 min

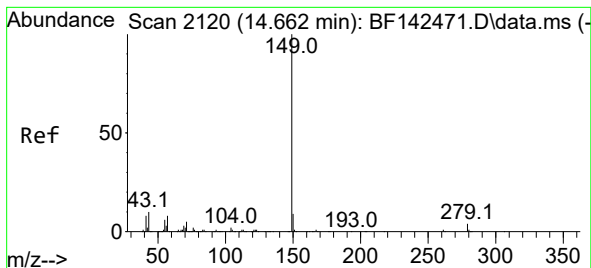
Lab File: BF142630.D

Acq: 05 Jun 2025 13:07

Tgt Ion:149 Resp: 420218

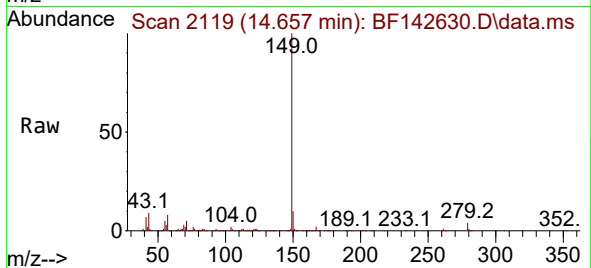
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.2  | 21.5  | 32.3  |
| 279 | 4.2   | 3.2   | 4.8   |





#85  
Di-n-octyl phthalate  
Concen: 48.240 ng  
RT: 14.657 min Scan# 2119  
Delta R.T. -0.011 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

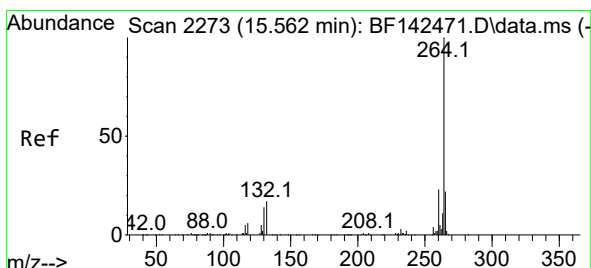
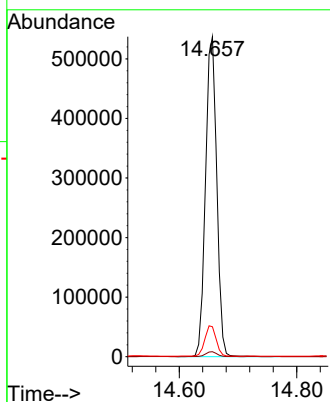
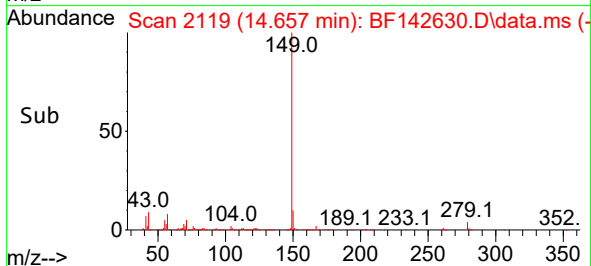
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD



Tgt Ion:149 Resp: 712180  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 9.6 7.9 11.9

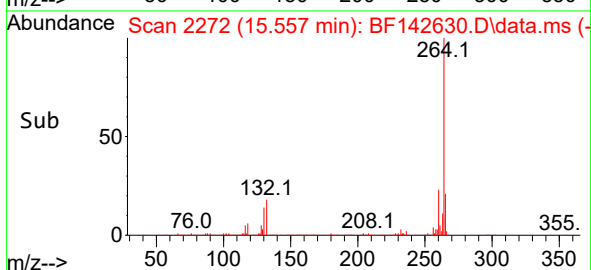
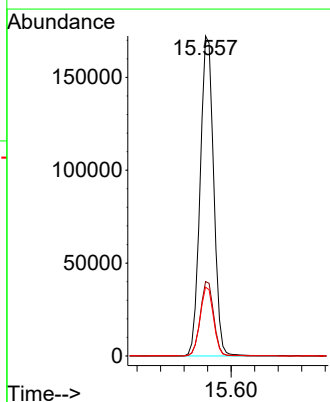
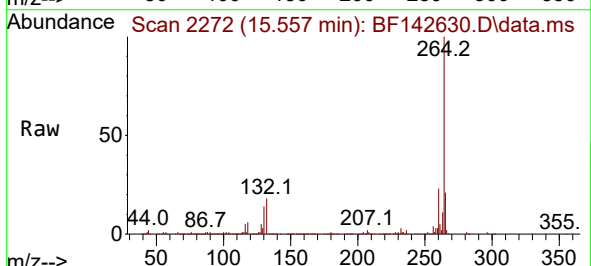
Manual Integrations  
APPROVED

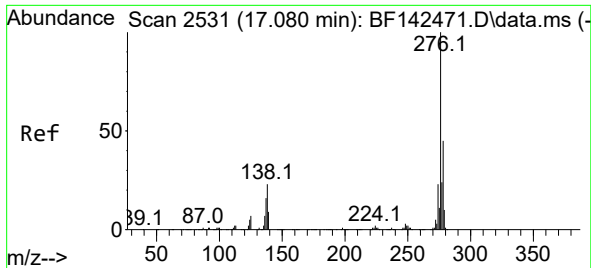
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.557 min Scan# 2272  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:264 Resp: 274428  
Ion Ratio Lower Upper  
264 100  
260 23.2 18.6 28.0  
265 21.5 17.7 26.5





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 43.263 ng  
RT: 17.074 min Scan# 2198  
Delta R.T. -0.018 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

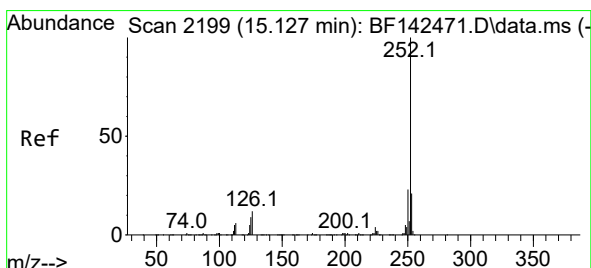
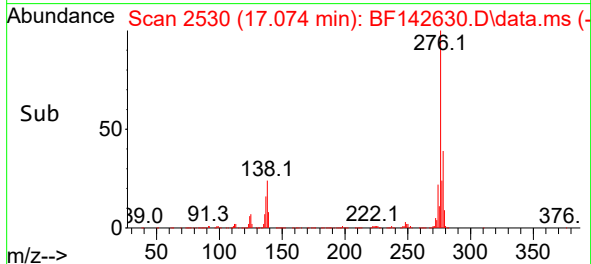
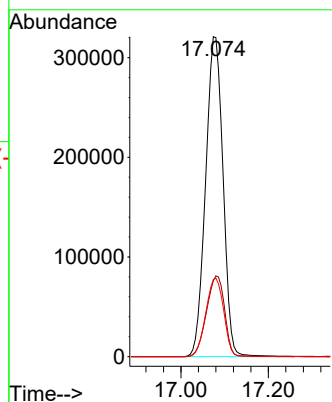
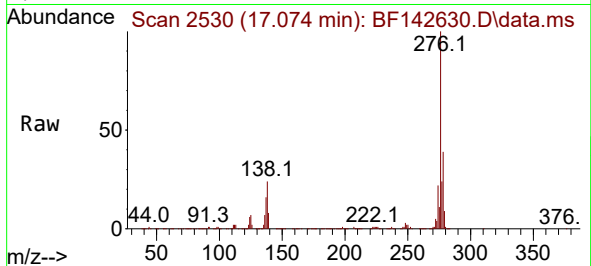
COMP-13MSD

Tgt Ion:276 Resp: 89132  
Ion Ratio Lower Upper  
276 100  
138 26.3 19.9 29.9  
277 25.2 20.2 30.2

Manual Integrations

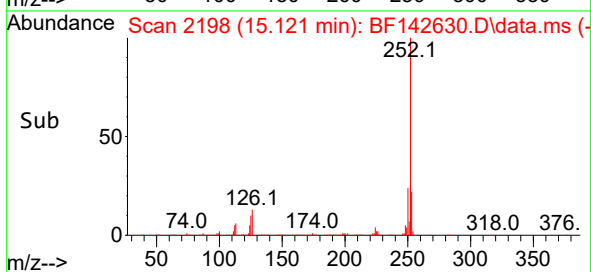
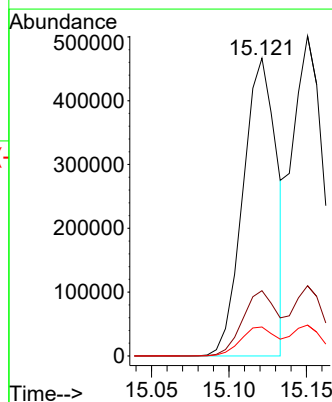
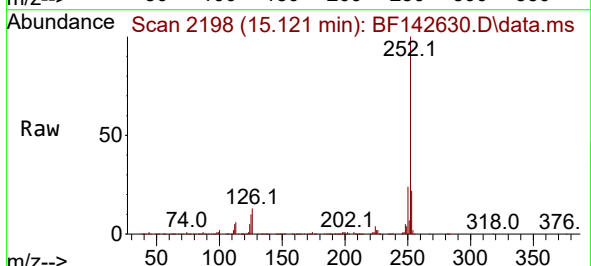
APPROVED

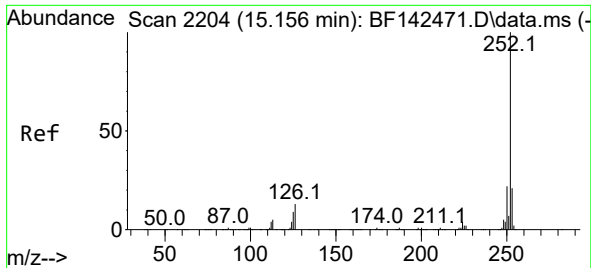
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025



#88  
Benzo(b)fluoranthene  
Concen: 43.387 ng  
RT: 15.121 min Scan# 2198  
Delta R.T. -0.006 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:252 Resp: 704683  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 9.8 7.4 11.0





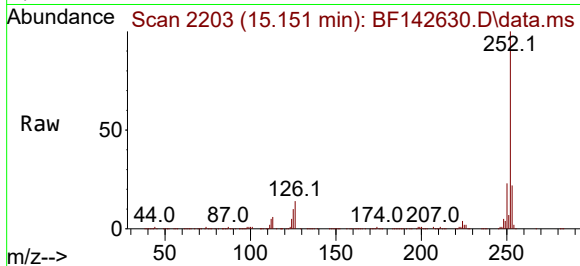
#89  
Benzo(k)fluoranthene  
Concen: 45.911 ng  
RT: 15.151 min Scan# 2203  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :

BNA\_F

ClientSampleId :

COMP-13MSD

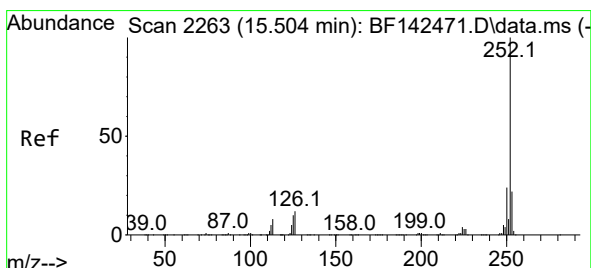
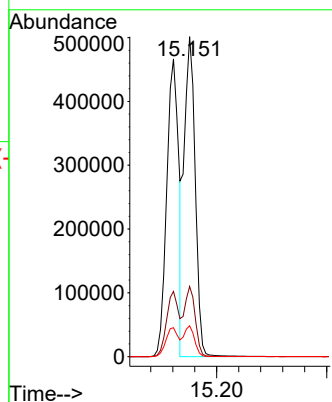
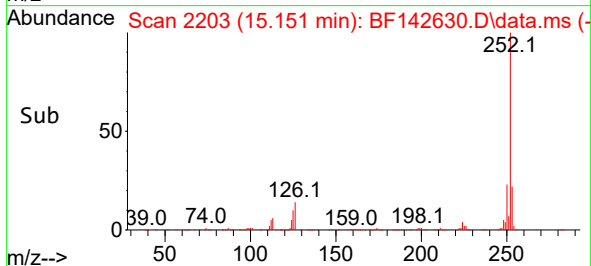


Tgt Ion:252 Resp: 698419  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.0 25.4  
125 9.7 7.3 10.9

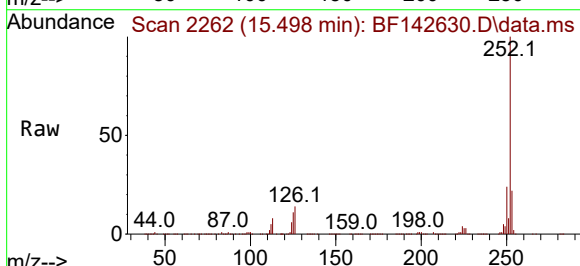
Manual Integrations

APPROVED

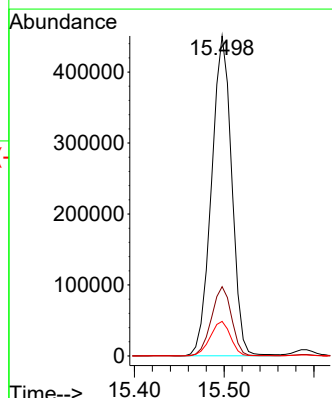
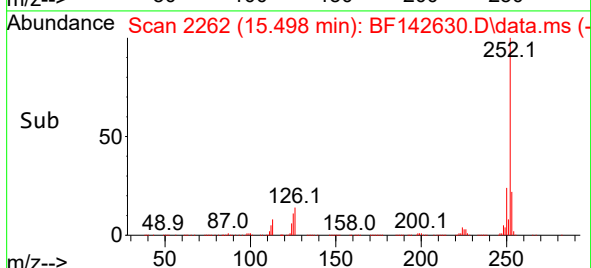
Reviewed By :Rahul Chavli 06/06/2025  
Supervised By :Jagrut Upadhyay 06/06/2025

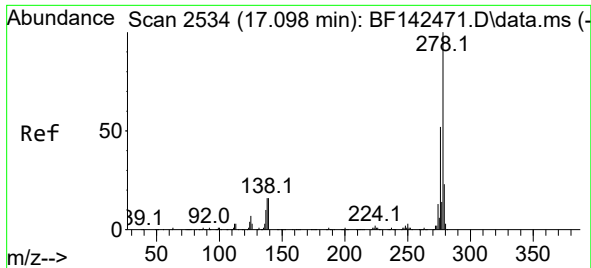


#90  
Benzo(a)pyrene  
Concen: 46.042 ng  
RT: 15.498 min Scan# 2262  
Delta R.T. -0.012 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07



Tgt Ion:252 Resp: 704890  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.4 26.0  
125 10.8 7.9 11.9





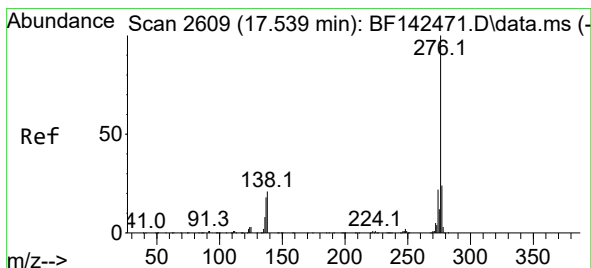
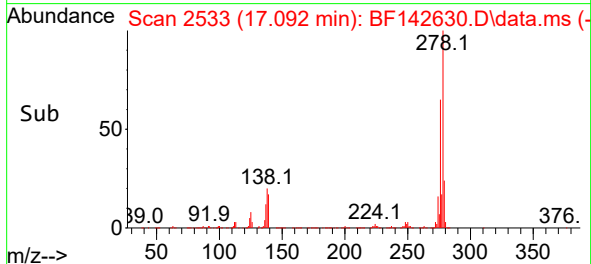
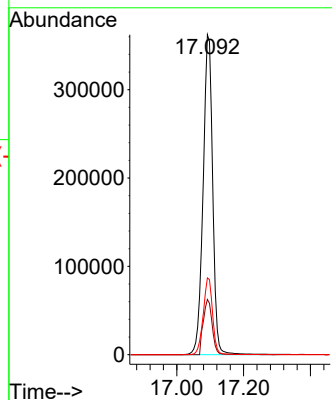
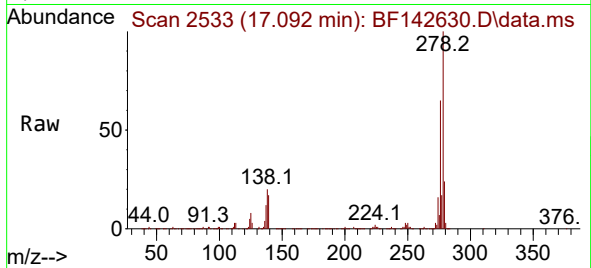
#91  
Dibenzo(a,h)anthracene  
Concen: 43.212 ng  
RT: 17.092 min Scan# 21  
Delta R.T. -0.024 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-13MSD

Tgt Ion:278 Resp: 72205  
Ion Ratio Lower Upper  
278 100  
139 17.3 12.8 19.2  
279 24.0 18.6 28.0

Manual Integrations  
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Supervised By :Jagrut Upadhyay 06/06/2025



#92  
Benzo(g,h,i)perylene  
Concen: 42.677 ng  
RT: 17.539 min Scan# 2609  
Delta R.T. -0.018 min  
Lab File: BF142630.D  
Acq: 05 Jun 2025 13:07

Tgt Ion:276 Resp: 713255  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.2 28.8  
138 21.9 16.8 25.2

