

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060225\  
 Data File : BF142595.D  
 Acq On : 02 Jun 2025 13:54  
 Operator : RC/JU  
 Sample : PB168235BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168235BS

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 06/03/2025  
 Supervised By :Jagrut Upadhyay 06/03/2025

Quant Time: Jun 02 14:15:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.898  | 152  | 124139   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.186  | 136  | 485746   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.945  | 164  | 271698   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.433 | 188  | 469529   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 249290   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 263582   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 906620   | 123.042 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.528  | 99   | 1104479  | 124.522 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 678991   | 76.222  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.733 | 330  | 383400   | 127.143 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.263  | 172  | 1457346  | 71.975  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.016 | 244  | 1440878  | 78.985  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 106175   | 36.010  | ng    | 100      |
| 3) Pyridine                   | 3.522  | 79   | 299076   | 39.832  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.475  | 42   | 163603   | 41.965  | ng    | 91       |
| 6) Aniline                    | 6.563  | 93   | 391173   | 32.799  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.687  | 128  | 353147   | 44.002  | ng    | 99       |
| 9) Benzaldehyde               | 6.451  | 77   | 183138   | 34.329  | ng    | 99       |
| 10) Phenol                    | 6.545  | 94   | 423745   | 42.458  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 312003   | 43.429  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.839  | 146  | 374882   | 41.860  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.916  | 146  | 378417   | 41.948  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 362456   | 41.990  | ng    | 100      |
| 15) Benzyl Alcohol            | 7.039  | 79   | 283806   | 43.298  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175  | 45   | 513926   | 42.597  | ng    | 99       |
| 17) 2-Methylphenol            | 7.151  | 107  | 276621   | 44.146  | ng    | 99       |
| 18) Hexachloroethane          | 7.410  | 117  | 131101   | 41.620  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 227191   | 41.329  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.304  | 107  | 343279   | 42.780  | ng    | 99       |
| 22) Acetophenone              | 7.310  | 105  | 448031   | 41.666  | ng    | 99       |
| 24) Nitrobenzene              | 7.481  | 77   | 344719   | 42.906  | ng    | 99       |
| 25) Isophorone                | 7.722  | 82   | 628729   | 42.214  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.798  | 139  | 193780   | 45.139  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.833  | 122  | 334818   | 44.225  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 399276   | 42.916  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.039  | 162  | 305895   | 44.429  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 318291   | 42.597  | ng    | 98       |
| 31) Naphthalene               | 8.204  | 128  | 1014451  | 42.414  | ng    | 100      |
| 32) Benzoic acid              | 7.957  | 122  | 218542   | 47.422  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.251  | 127  | 176677   | 18.230  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 190668   | 40.867  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 99971m   | 51.700  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.733  | 107  | 318462   | 45.134  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.898  | 142  | 638084   | 42.405  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.998  | 142  | 654458   | 42.048  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 323517   | 41.480  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 424440   | 80.672  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.175  | 196  | 227625   | 43.281  | ng    | 98       |

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 Sample : PB168235BS  
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Manual Integrations  
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 Supervised By :Jagrut Upadhyay 06/03/2025

Quant Time: Jun 02 14:15:55 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     | 9.216  | 196  | 246489   | 44.440 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.363  | 154  | 890515   | 42.247 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 653163   | 41.940 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.480  | 65   | 203179   | 45.136 | ng    | 99       |
| 49) Acenaphthylene            | 9.804  | 152  | 1114044  | 42.363 | ng    | 100      |
| 50) Dimethylphthalate         | 9.663  | 163  | 792383   | 44.199 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.727  | 165  | 176658   | 45.656 | ng    | 95       |
| 52) Acenaphthene              | 9.975  | 154  | 743945   | 46.329 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.892  | 138  | 114327   | 27.052 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 10.004 | 184  | 197620   | 98.857 | ng    | 91       |
| 55) Dibenzofuran              | 10.151 | 168  | 979008   | 42.367 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.057 | 139  | 298469   | 95.715 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.133 | 165  | 239779   | 47.451 | ng    | 99       |
| 58) Fluorene                  | 10.492 | 166  | 767546   | 42.995 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.269 | 232  | 204888   | 44.249 | ng    | 99       |
| 60) Diethylphthalate          | 10.363 | 149  | 787046   | 44.951 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 373395   | 42.578 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.510 | 138  | 185820   | 48.480 | ng    | 97       |
| 63) Azobenzene                | 10.645 | 77   | 687495   | 43.717 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.539 | 198  | 127291   | 48.578 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.604 | 169  | 682308   | 42.475 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.974 | 248  | 236773   | 42.648 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.039 | 284  | 267154   | 43.507 | ng    | 99       |
| 69) Atrazine                  | 11.127 | 200  | 210470   | 49.336 | ng    | 99       |
| 70) Pentachlorophenol         | 11.233 | 266  | 303289   | 87.484 | ng    | 99       |
| 71) Phenanthrene              | 11.457 | 178  | 1081466  | 43.099 | ng    | 100      |
| 72) Anthracene                | 11.510 | 178  | 1107034  | 43.228 | ng    | 99       |
| 73) Carbazole                 | 11.663 | 167  | 982811   | 44.892 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 1127520  | 47.051 | ng    | 99       |
| 75) Fluoranthene              | 12.645 | 202  | 1069949  | 45.634 | ng    | 98       |
| 77) Benzidine                 | 12.763 | 184  | 363104   | 39.141 | ng    | 100      |
| 78) Pyrene                    | 12.874 | 202  | 1051541  | 45.218 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 333843   | 51.953 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.063 | 228  | 730755   | 43.899 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 134486   | 26.636 | ng    | 98       |
| 83) Chrysene                  | 14.104 | 228  | 684085   | 45.734 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 408925   | 49.711 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.662 | 149  | 704542   | 43.803 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.092 | 276  | 843246   | 42.614 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 731225   | 46.873 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.157 | 252  | 615237   | 42.107 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.509 | 252  | 661758   | 45.004 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.109 | 278  | 691116   | 43.063 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.551 | 276  | 683261   | 42.564 | ng    | 98       |

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

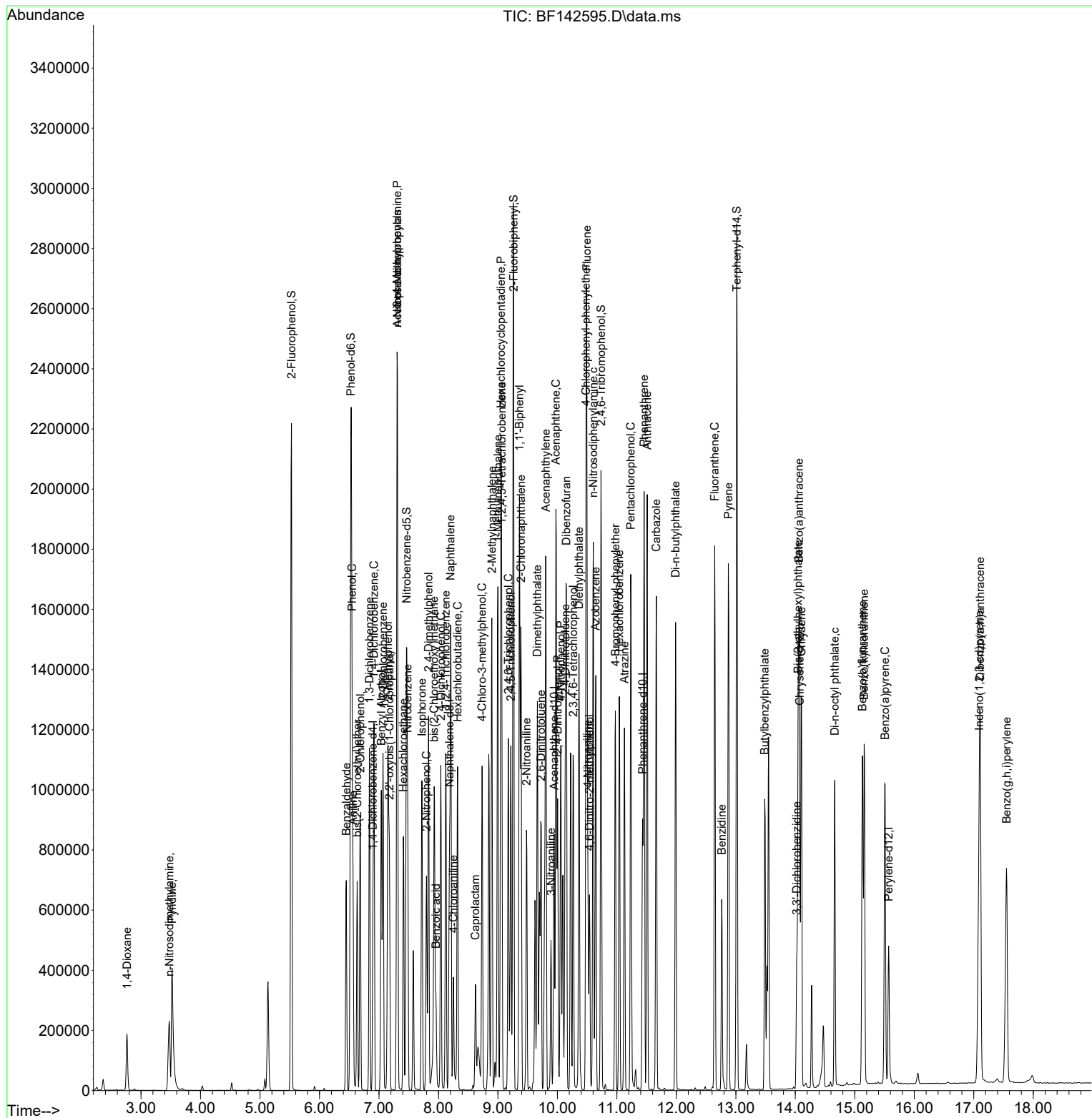
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF060225\  
 Data File : BF142595.D  
 Acq On : 02 Jun 2025 13:54  
 Operator : RC/JU  
 Sample : PB168235BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

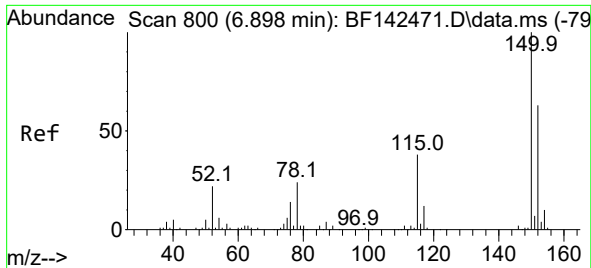
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168235BS

### Manual Integrations APPROVED

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Quant Time: Jun 02 14:15:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 20 16:26:47 2025  
 Response via : Initial Calibration





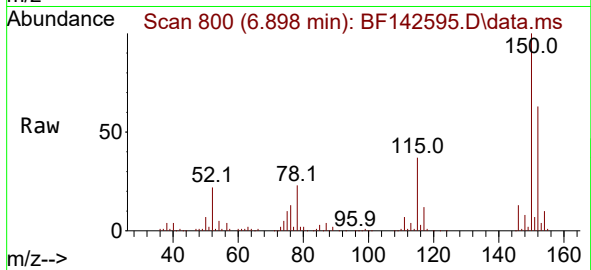
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



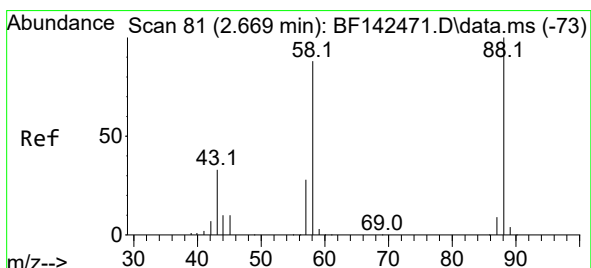
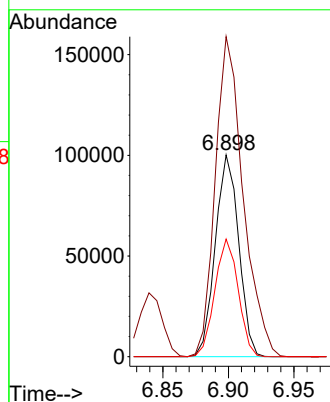
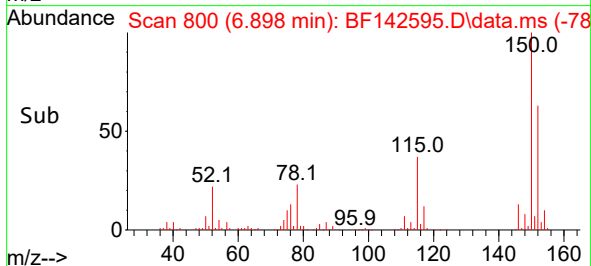
Tgt Ion:152 Resp: 124139  
Ion Ratio Lower Upper  
152 100  
150 158.6 128.2 192.4  
115 58.3 48.3 72.5

Manual Integrations

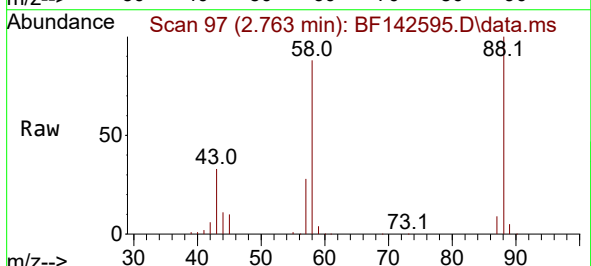
APPROVED

Reviewed By :Rahul Chavli 06/03/2025

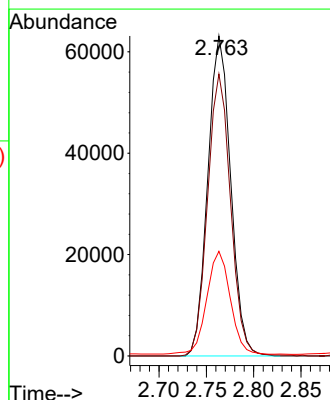
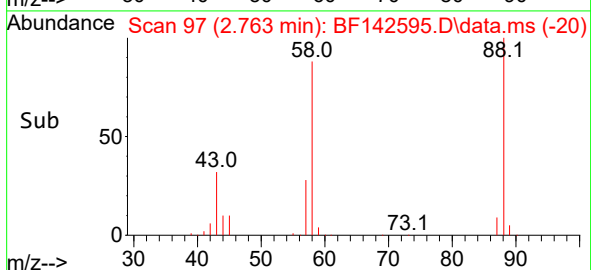
Supervised By :Jagrut Upadhyay 06/03/2025

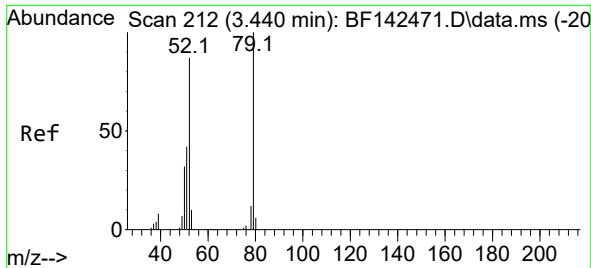


#2  
1,4-Dioxane  
Concen: 36.010 ng  
RT: 2.763 min Scan# 97  
Delta R.T. 0.100 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



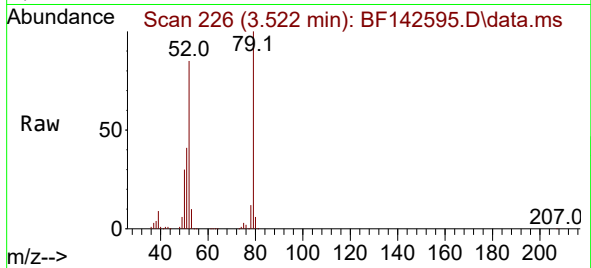
Tgt Ion: 88 Resp: 106175  
Ion Ratio Lower Upper  
88 100  
58 88.8 70.8 106.2  
43 33.1 26.6 40.0





#3  
Pyridine  
Concen: 39.832 ng  
RT: 3.522 min Scan# 212  
Delta R.T. 0.082 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

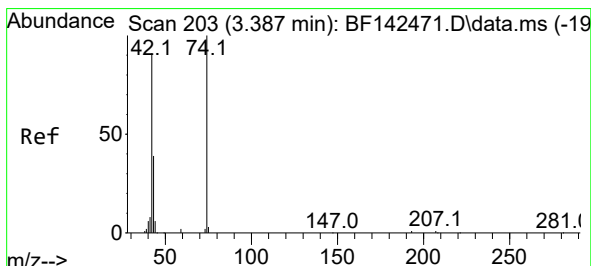
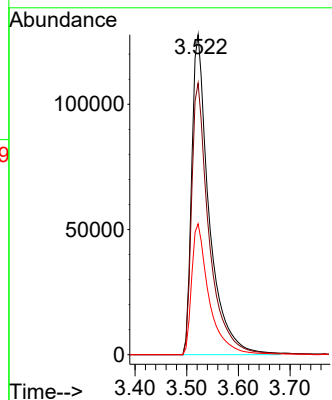
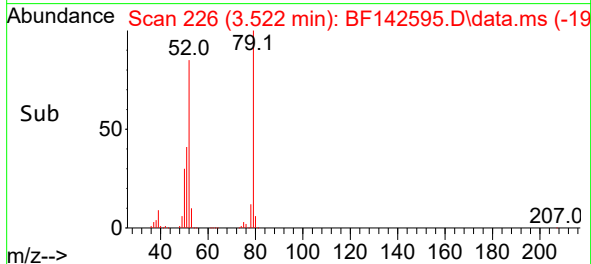
Instrument :  
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ClientSampleId :  
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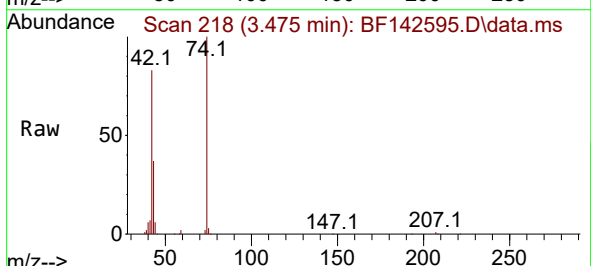
Tgt Ion: 79 Resp: 299070  
Ion Ratio Lower Upper  
79 100  
52 84.9 69.2 103.8  
51 40.9 33.3 49.9

Manual Integrations  
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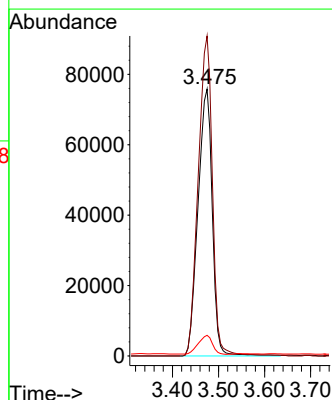
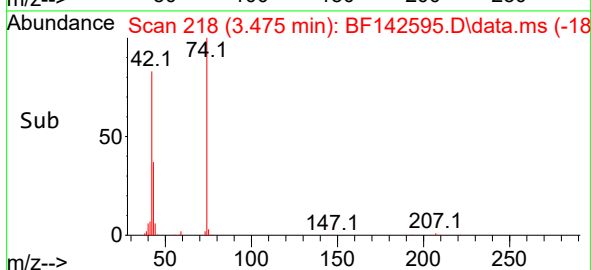
Reviewed By :Rahul Chavli 06/03/2025  
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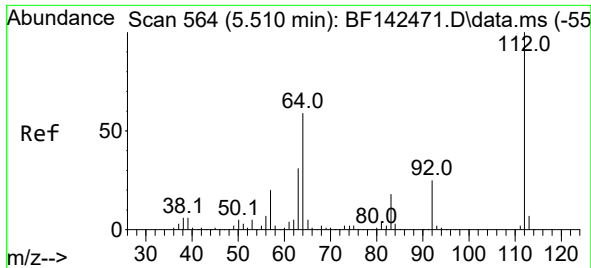


#4  
n-Nitrosodimethylamine  
Concen: 41.965 ng  
RT: 3.475 min Scan# 218  
Delta R.T. 0.071 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion: 42 Resp: 163603  
Ion Ratio Lower Upper  
42 100  
74 119.9 88.2 132.4  
44 7.7 5.4 8.2





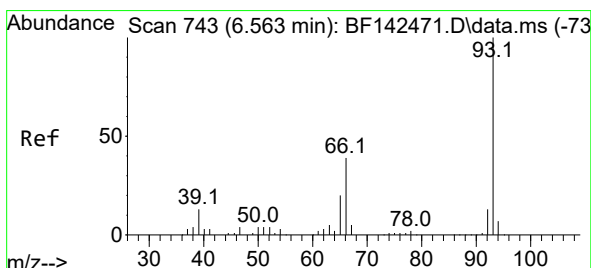
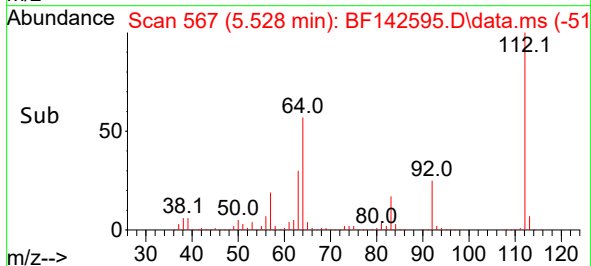
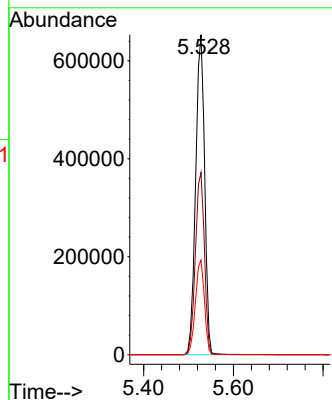
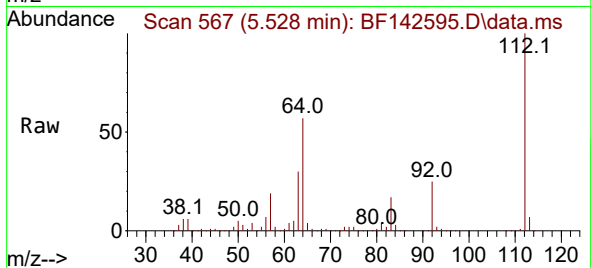
#5  
2-Fluorophenol  
Concen: 123.042 ng  
RT: 5.528 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

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PB168235BS

Tgt Ion:112 Resp: 906620  
Ion Ratio Lower Upper  
112 100  
64 56.9 47.5 71.3  
63 29.6 24.9 37.3

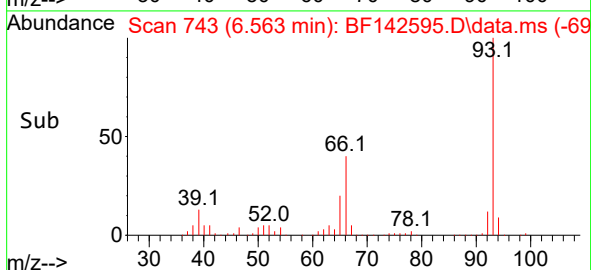
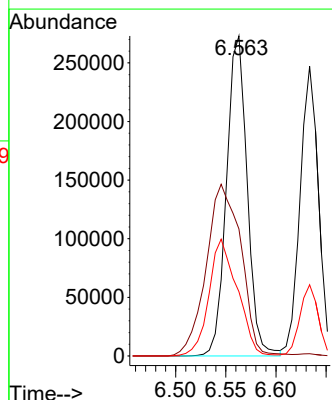
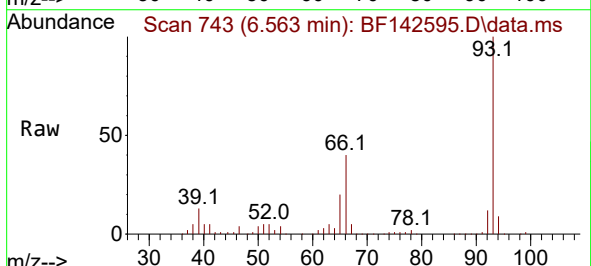
Manual Integrations  
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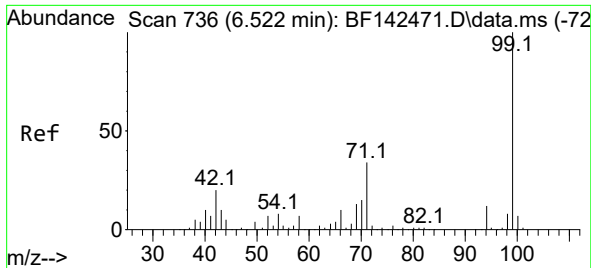
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



#6  
Aniline  
Concen: 32.799 ng  
RT: 6.563 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

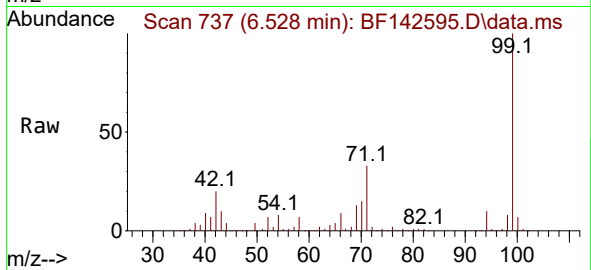
Tgt Ion: 93 Resp: 391173  
Ion Ratio Lower Upper  
93 100  
66 39.7 32.0 48.0  
65 20.1 16.1 24.1





#7  
Phenol-d6  
Concen: 124.522 ng  
RT: 6.528 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
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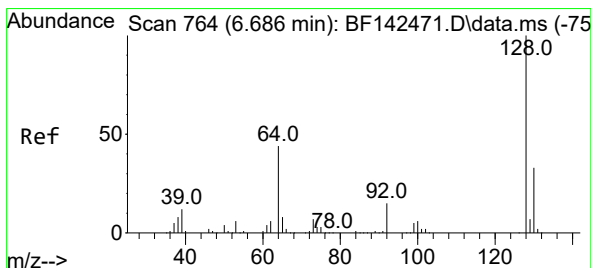
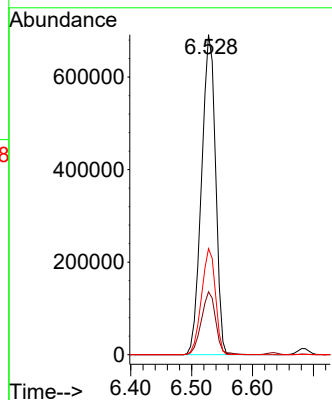
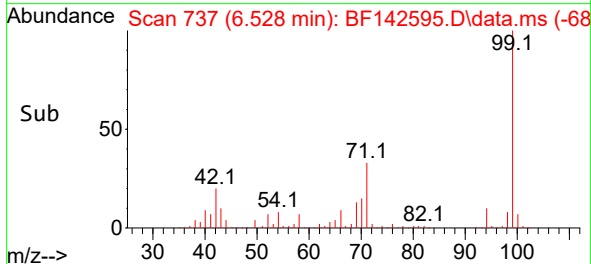
Instrument :  
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ClientSampleId :  
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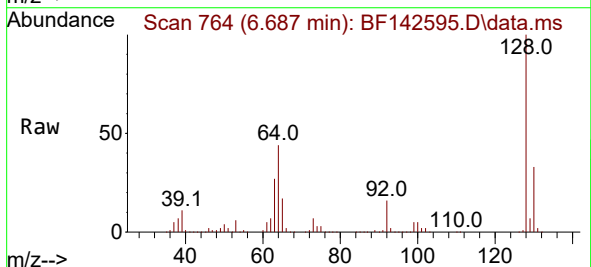
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Ion Ratio Lower Upper  
99 100  
42 19.7 16.2 24.2  
71 33.2 27.3 40.9

Manual Integrations  
APPROVED

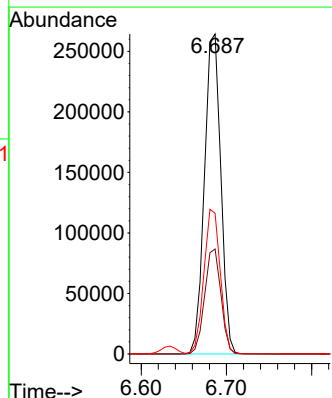
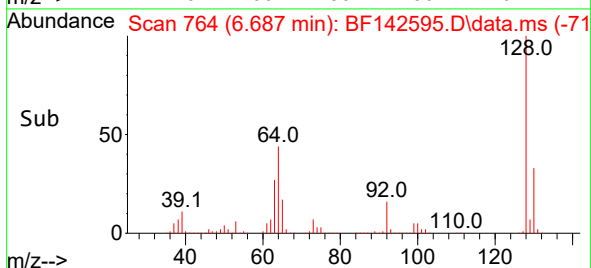
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

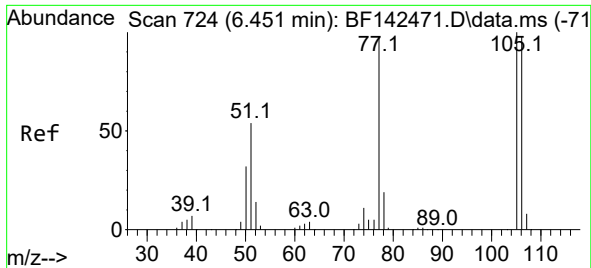


#8  
2-Chlorophenol  
Concen: 44.002 ng  
RT: 6.687 min Scan# 764  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



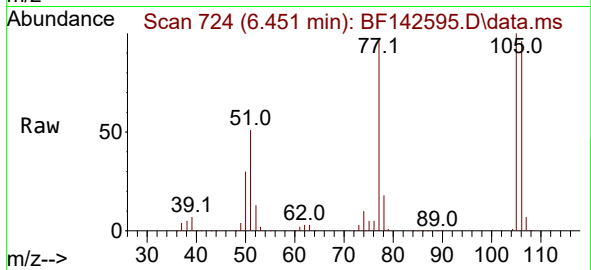
Tgt Ion:128 Resp: 353147  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.6 52.6  
64 44.0 25.1 65.1





#9  
Benzaldehyde  
Concen: 34.329 ng  
RT: 6.451 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

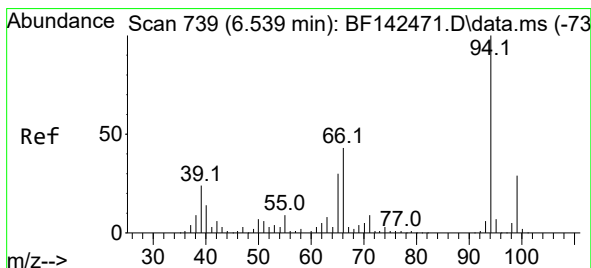
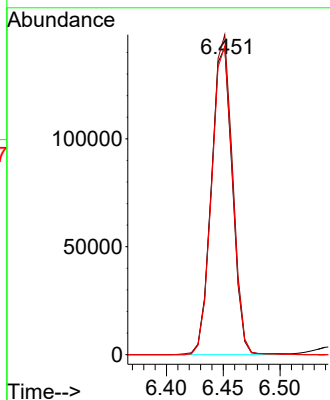
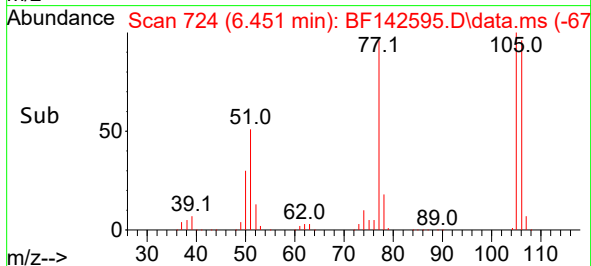
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



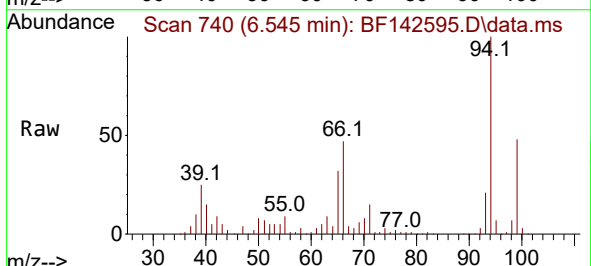
Tgt Ion: 77 Resp: 183138  
Ion Ratio Lower Upper  
77 100  
105 104.1 82.5 122.5  
106 100.3 80.0 120.0

Manual Integrations  
APPROVED

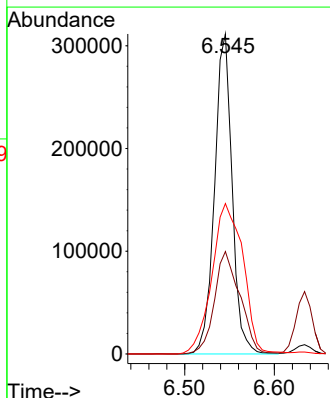
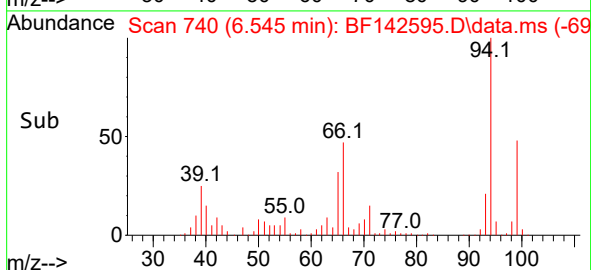
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



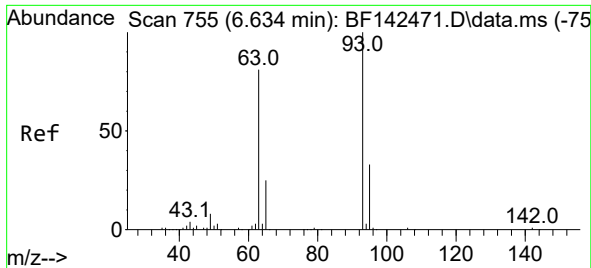
#10  
Phenol  
Concen: 42.458 ng  
RT: 6.545 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion: 94 Resp: 423745  
Ion Ratio Lower Upper  
94 100  
65 32.0 10.3 50.3  
66 47.0 22.6 62.6

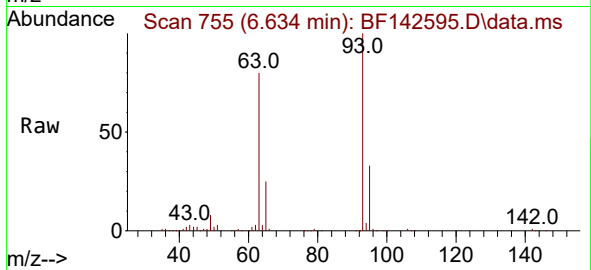






#11  
bis(2-Chloroethyl)ether  
Concen: 43.429 ng  
RT: 6.634 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

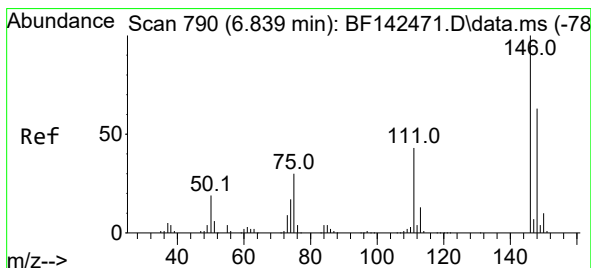
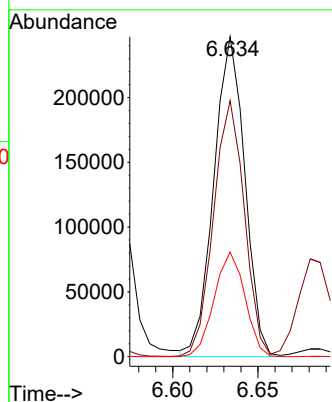
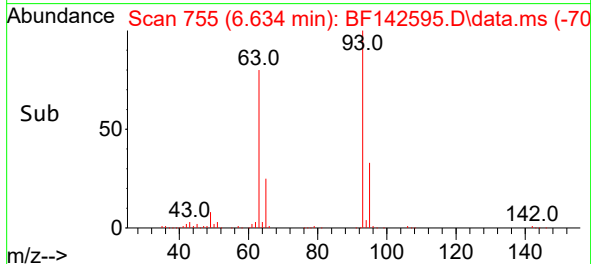
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



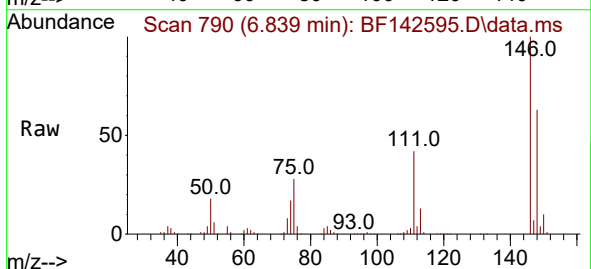
Tgt Ion: 93 Resp: 31200  
Ion Ratio Lower Upper  
93 100  
63 80.0 60.2 100.2  
95 32.7 12.3 52.3

Manual Integrations  
APPROVED

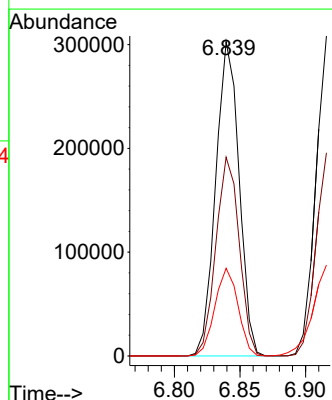
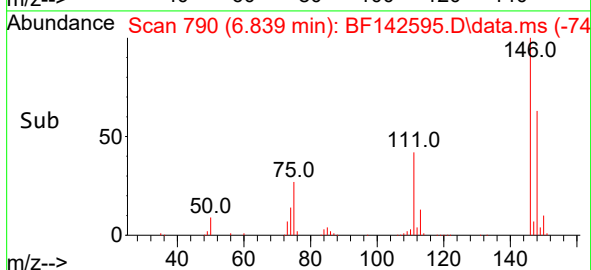
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

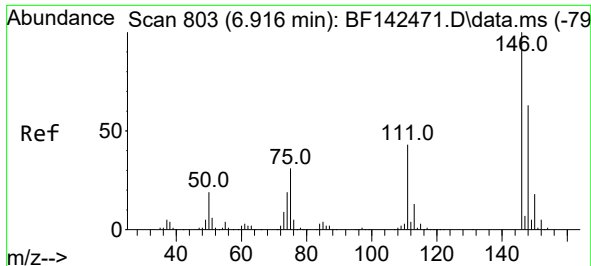


#12  
1,3-Dichlorobenzene  
Concen: 41.860 ng  
RT: 6.839 min Scan# 790  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:146 Resp: 374882  
Ion Ratio Lower Upper  
146 100  
148 63.2 50.6 75.8  
75 27.9 23.8 35.6





#13

1,4-Dichlorobenzene

Concen: 41.948 ng

RT: 6.916 min Scan# 803

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

Tgt Ion:146 Resp: 37841

Ion Ratio Lower Upper

146 100

148 63.5 50.4 75.6

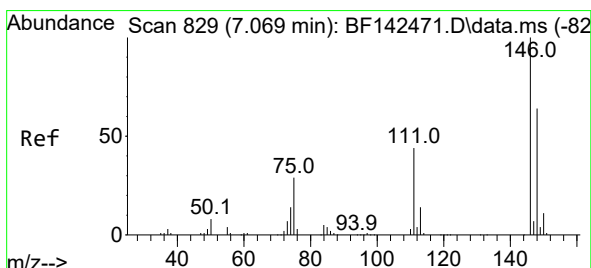
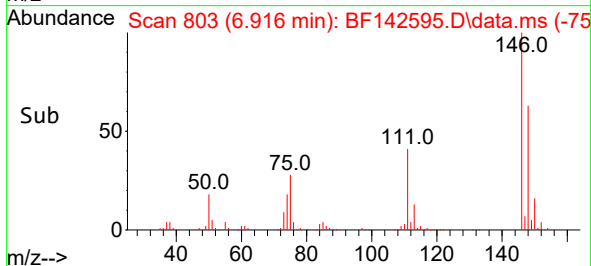
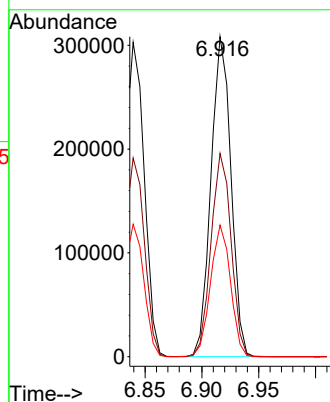
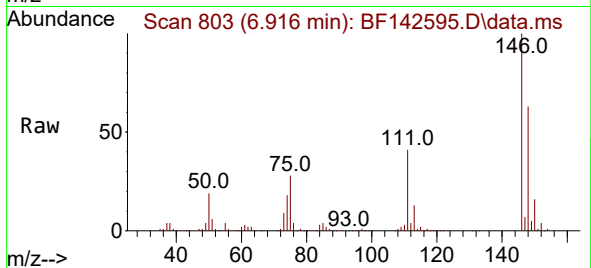
111 41.1 34.1 51.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#14

1,2-Dichlorobenzene

Concen: 41.990 ng

RT: 7.069 min Scan# 829

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

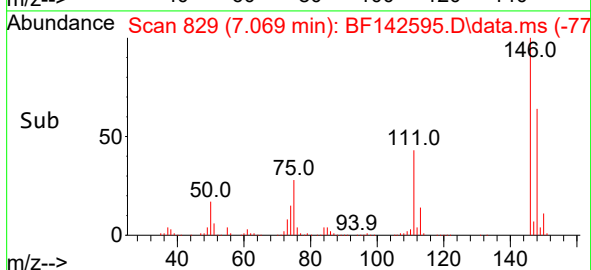
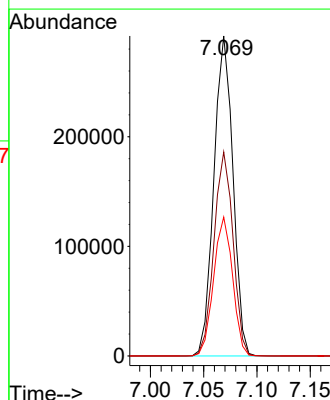
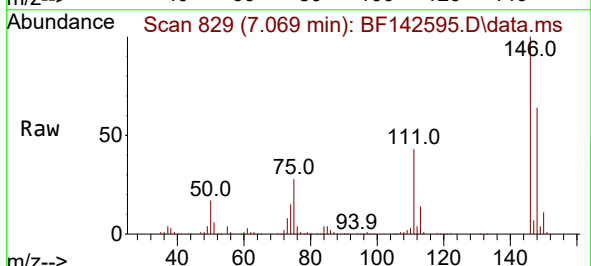
Tgt Ion:146 Resp: 362456

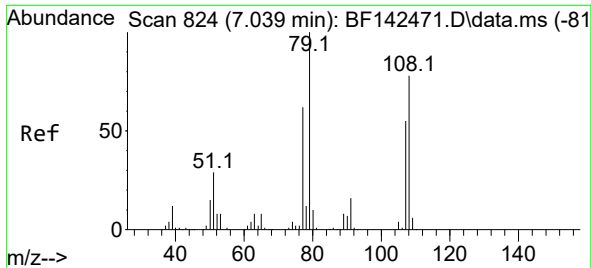
Ion Ratio Lower Upper

146 100

148 63.7 51.0 76.4

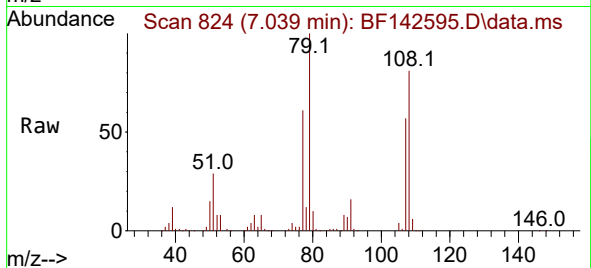
111 43.4 35.0 52.6





#15  
Benzyl Alcohol  
Concen: 43.298 ng  
RT: 7.039 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

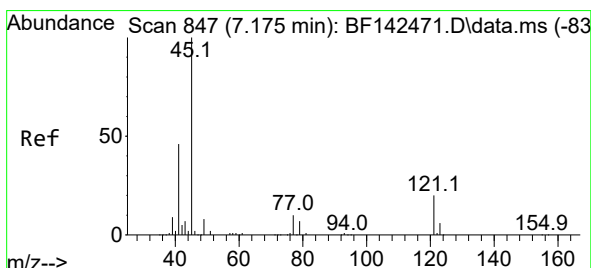
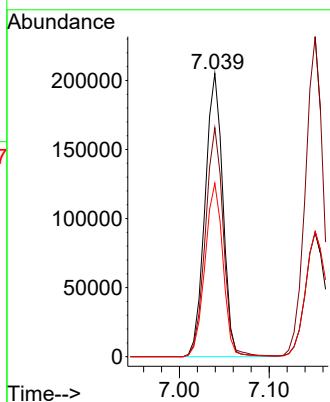
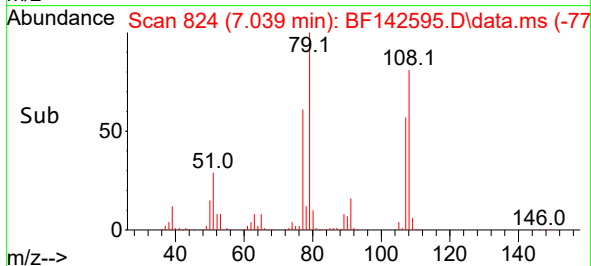
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



Tgt Ion: 79 Resp: 283800  
Ion Ratio Lower Upper  
79 100  
108 80.8 62.1 93.1  
77 61.3 49.5 74.3

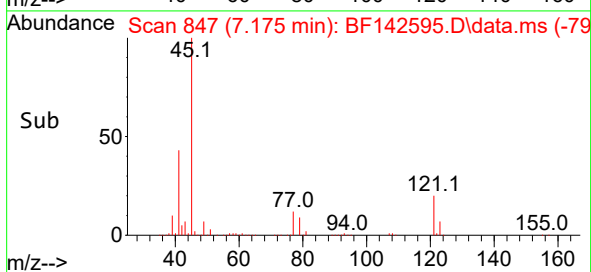
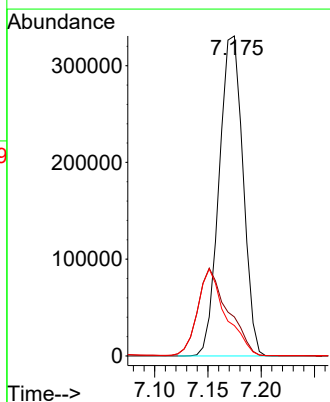
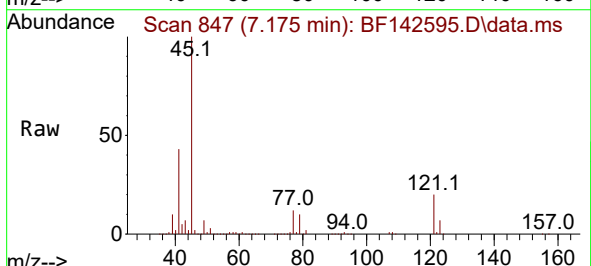
Manual Integrations  
APPROVED

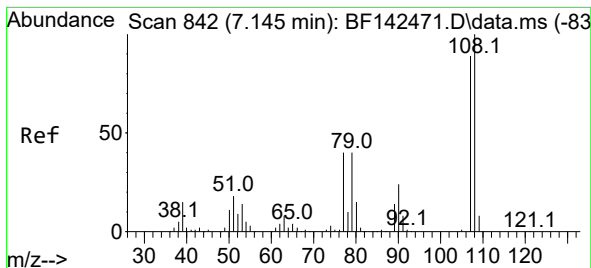
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.597 ng  
RT: 7.175 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

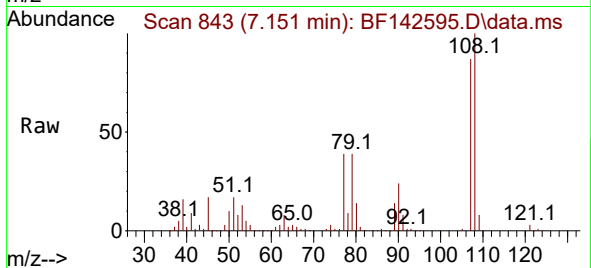
Tgt Ion: 45 Resp: 513926  
Ion Ratio Lower Upper  
45 100  
77 12.2 0.0 32.0  
79 9.5 0.0 29.2





#17  
2-Methylphenol  
Concen: 44.146 ng  
RT: 7.151 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

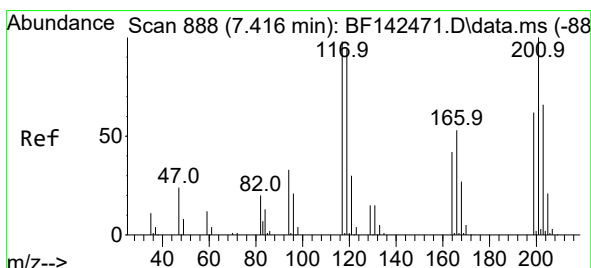
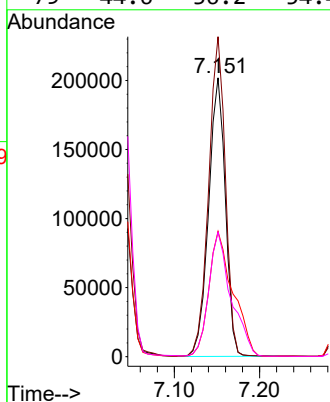
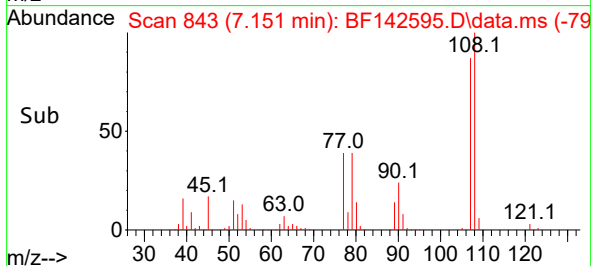
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



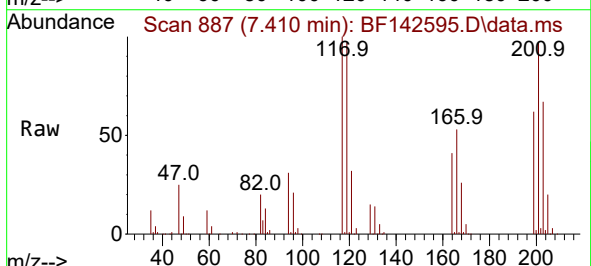
Tgt Ion:107 Resp: 27662  
Ion Ratio Lower Upper  
107 100  
108 114.7 90.2 135.2  
77 44.9 36.1 54.1  
79 44.6 36.2 54.1

Manual Integrations  
APPROVED

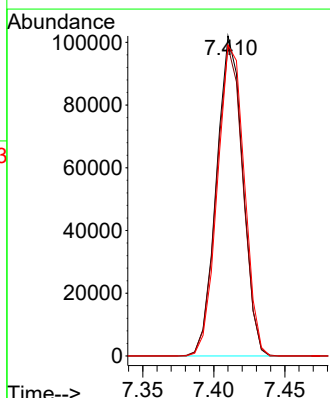
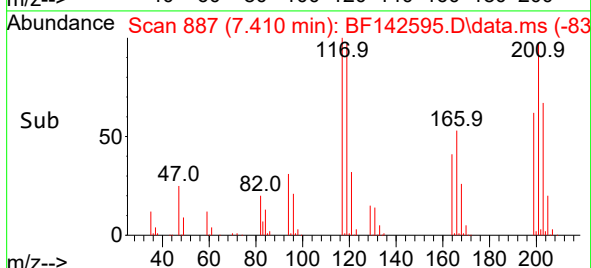
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

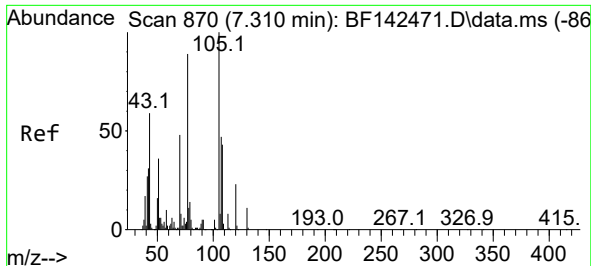


#18  
Hexachloroethane  
Concen: 41.620 ng  
RT: 7.410 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:117 Resp: 131101  
Ion Ratio Lower Upper  
117 100  
119 96.8 76.6 114.8  
201 97.2 81.3 121.9





#19

n-Nitroso-di-n-propylamine

Concen: 41.329 ng

RT: 7.310 min Scan# 870

Delta R.T. -0.018 min

Lab File: BF142595.D

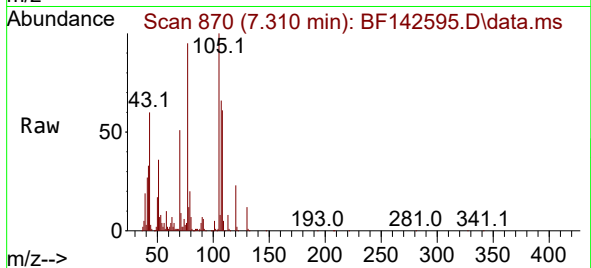
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



Tgt Ion: 70 Resp: 22719

Ion Ratio Lower Upper

70 100

42 64.0 52.4 78.6

101 10.0 7.8 11.8

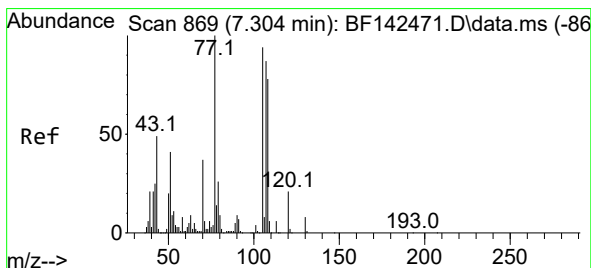
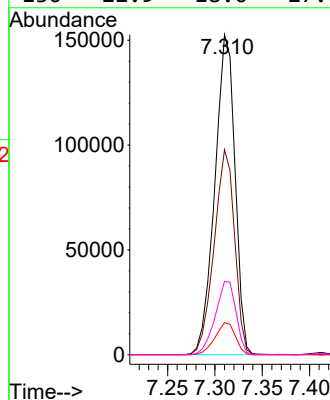
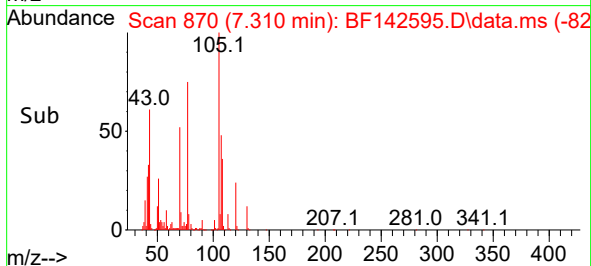
130 22.9 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#20

3+4-Methylphenols

Concen: 42.780 ng

RT: 7.304 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Tgt Ion:107 Resp: 343279

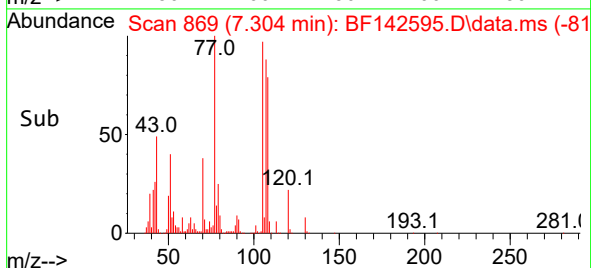
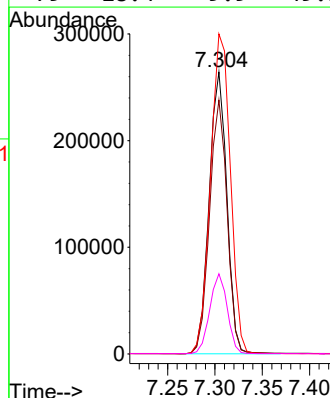
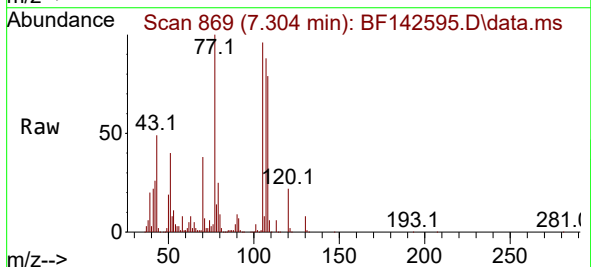
Ion Ratio Lower Upper

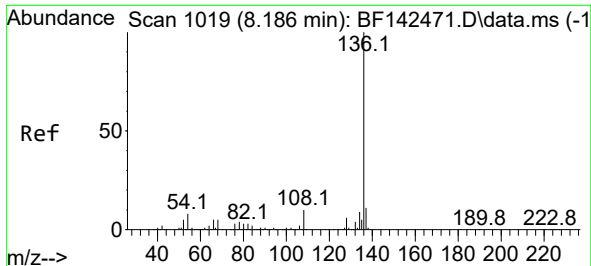
107 100

108 90.1 70.4 110.4

77 113.5 95.4 135.4

79 28.4 9.9 49.9





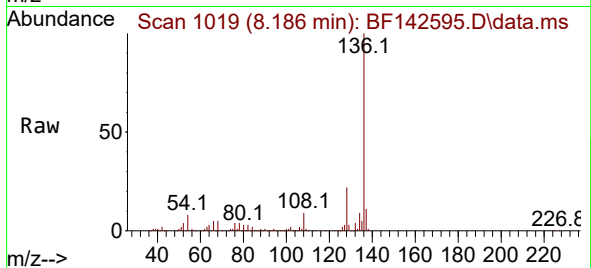
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.186 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



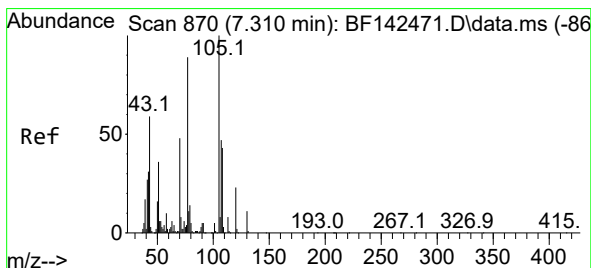
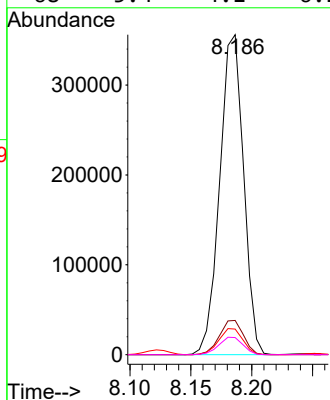
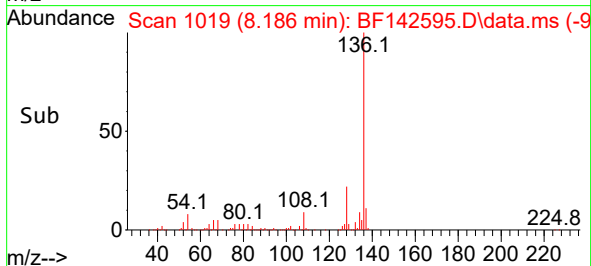
Tgt Ion:136 Resp: 485740  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.6 13.0  
54 8.0 6.6 10.0  
68 5.4 4.1 6.1

Manual Integrations

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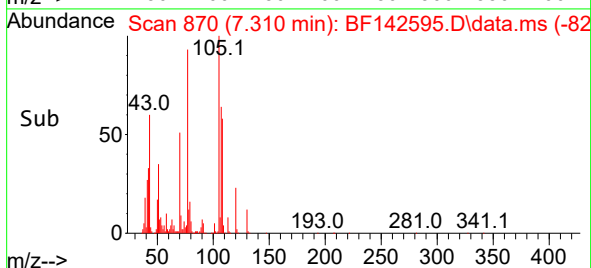
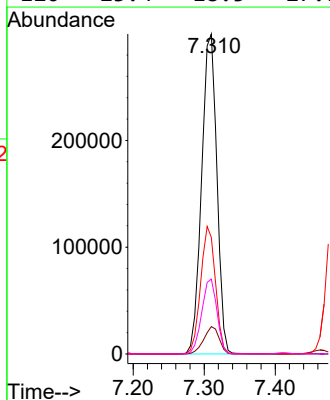
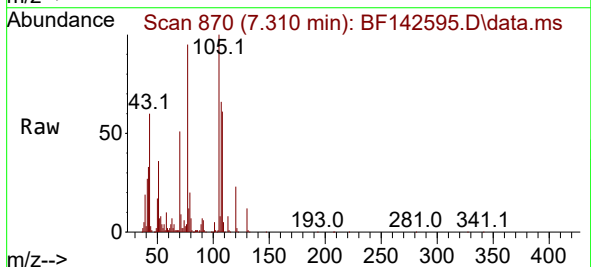
Reviewed By :Rahul Chavli 06/03/2025

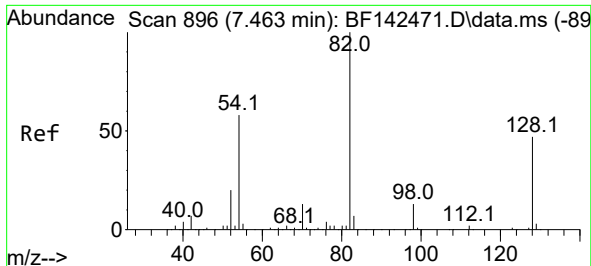
Supervised By :Jagrut Upadhyay 06/03/2025



#22  
Acetophenone  
Concen: 41.666 ng  
RT: 7.310 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:105 Resp: 448031  
Ion Ratio Lower Upper  
105 100  
71 8.5 6.4 9.6  
51 36.5 28.6 42.8  
120 23.4 18.5 27.7





#23

Nitrobenzene-d5

Concen: 76.222 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

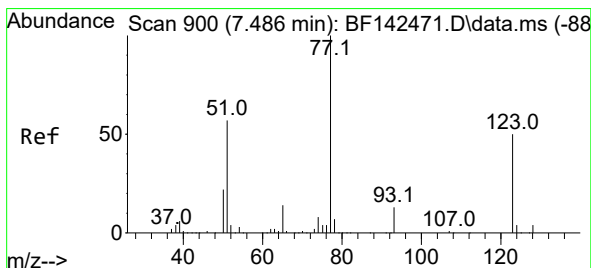
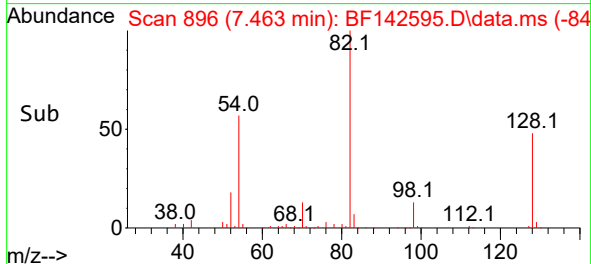
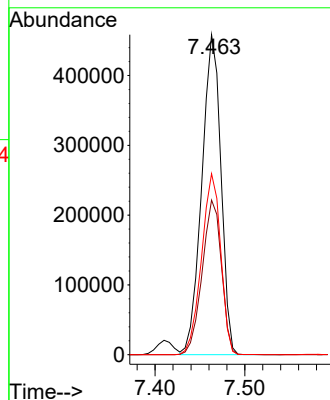
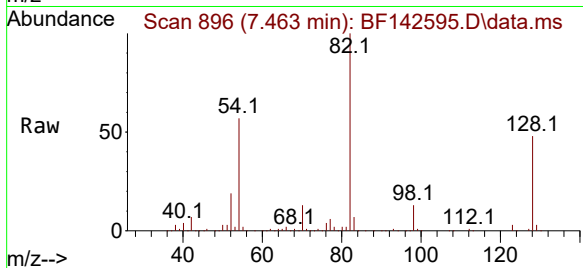
Tgt Ion: 82 Resp: 67899  
 Ion Ratio Lower Upper  
 82 100  
 128 48.3 37.4 56.2  
 54 56.5 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#24

Nitrobenzene

Concen: 42.906 ng

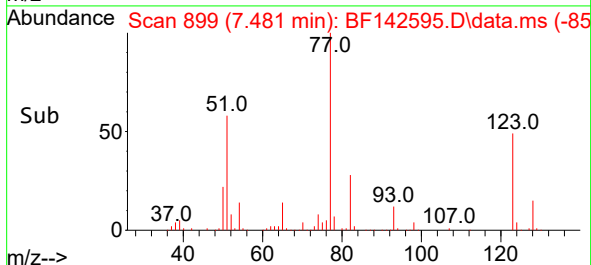
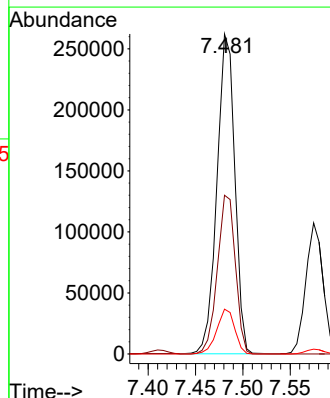
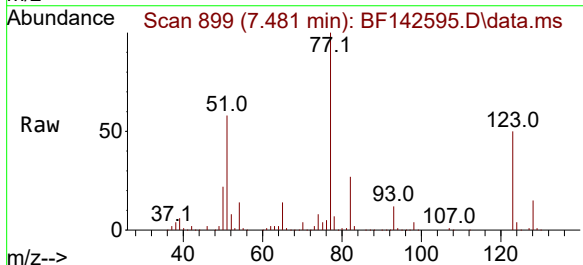
RT: 7.481 min Scan# 899

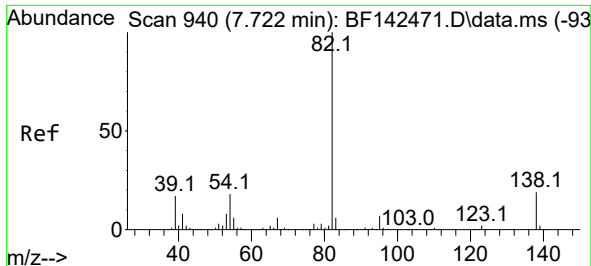
Delta R.T. -0.012 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

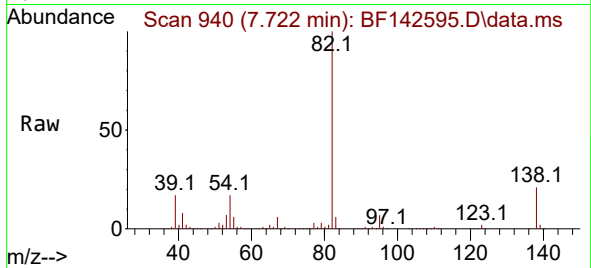
Tgt Ion: 77 Resp: 344719  
 Ion Ratio Lower Upper  
 77 100  
 123 49.6 40.6 61.0  
 65 14.0 11.4 17.2





#25  
Isophorone  
Concen: 42.214 ng  
RT: 7.722 min Scan# 940  
Delta R.T. -0.012 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

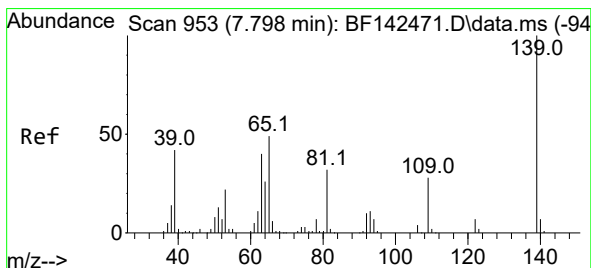
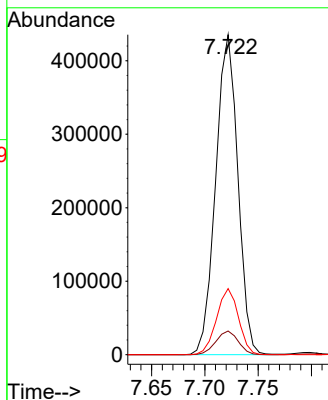
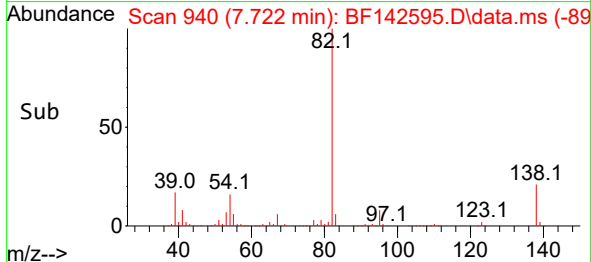
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



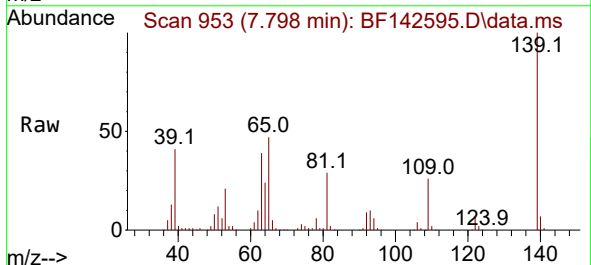
Tgt Ion: 82 Resp: 628729  
Ion Ratio Lower Upper  
82 100  
95 7.4 6.0 9.0  
138 20.6 15.5 23.3

Manual Integrations  
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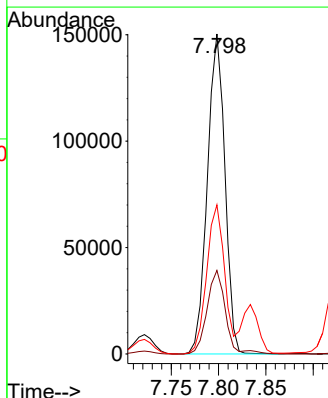
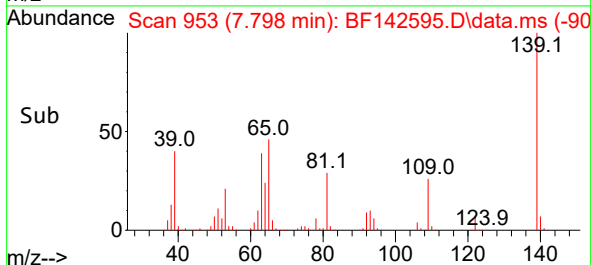
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



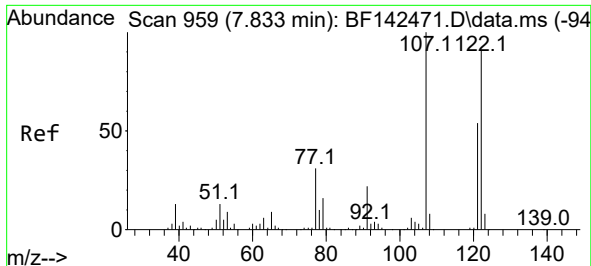
#26  
2-Nitrophenol  
Concen: 45.139 ng  
RT: 7.798 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:139 Resp: 193780  
Ion Ratio Lower Upper  
139 100  
109 26.1 22.6 33.8  
65 46.6 39.4 59.0







#27

2,4-Dimethylphenol

Concen: 44.225 ng

RT: 7.833 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

Tgt Ion:122 Resp: 334818

Ion Ratio Lower Upper

122 100

107 108.0 88.1 132.1

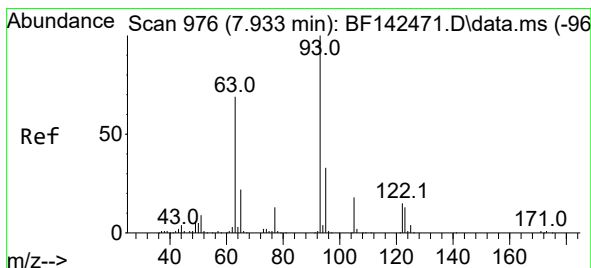
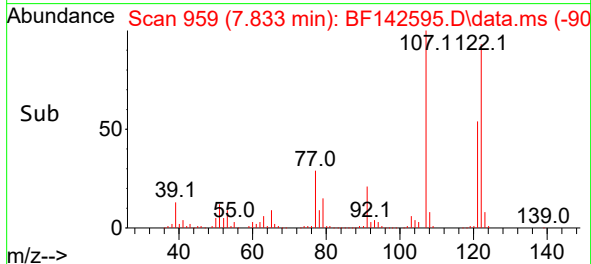
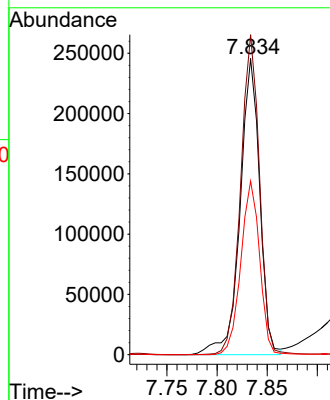
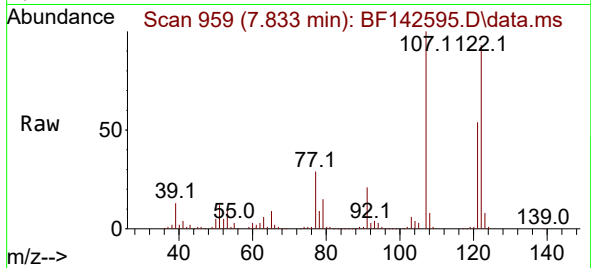
121 58.6 47.3 70.9

Manual Integrations

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Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#28

bis(2-Chloroethoxy)methane

Concen: 42.916 ng

RT: 7.928 min Scan# 975

Delta R.T. -0.012 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

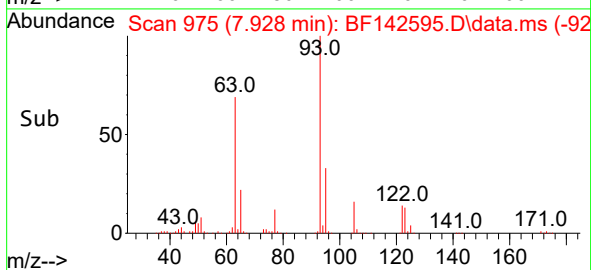
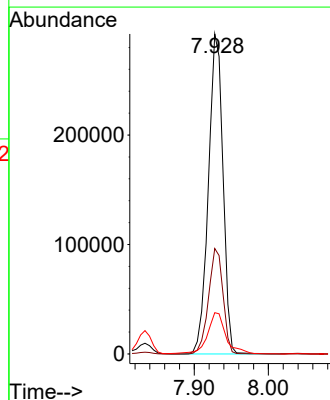
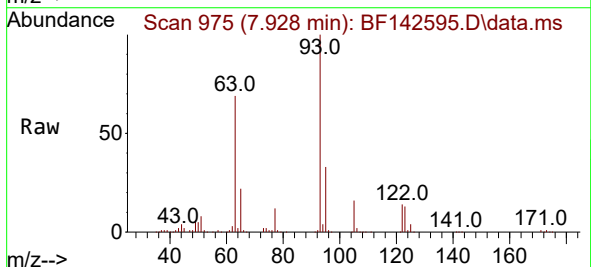
Tgt Ion: 93 Resp: 399276

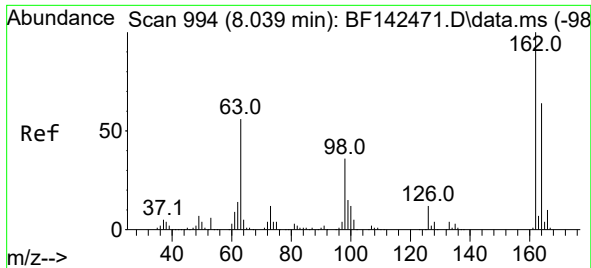
Ion Ratio Lower Upper

93 100

95 33.0 26.4 39.6

123 12.9 10.6 15.8





#29

2,4-Dichlorophenol

Concen: 44.429 ng

RT: 8.039 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF142595.D

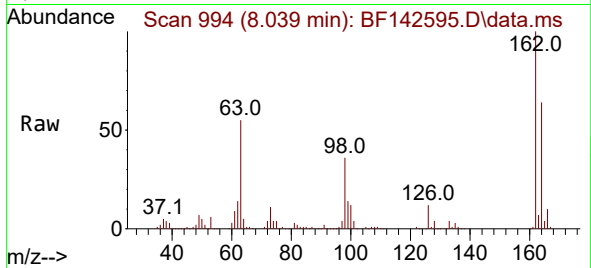
Acq: 02 Jun 2025 13:54

Instrument :

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ClientSampleId :

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Tgt Ion:162 Resp: 30589

Ion Ratio Lower Upper

162 100

164 64.4 43.7 83.7

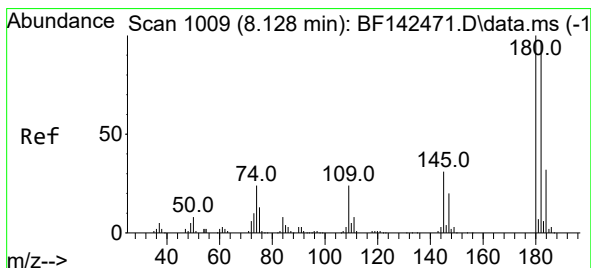
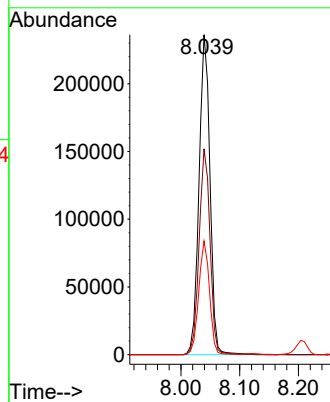
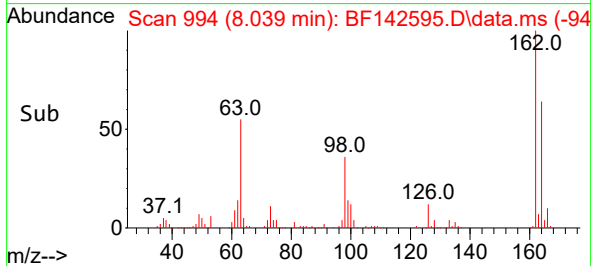
98 35.5 15.5 55.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.597 ng

RT: 8.122 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

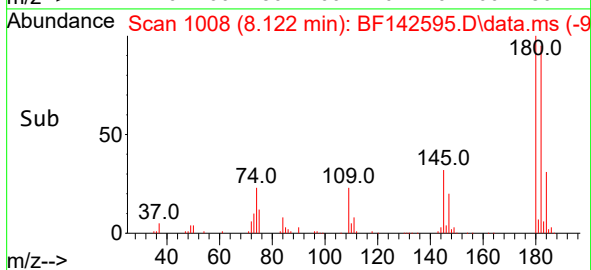
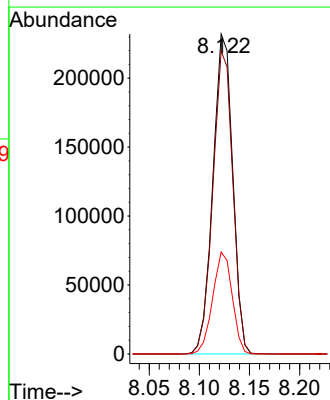
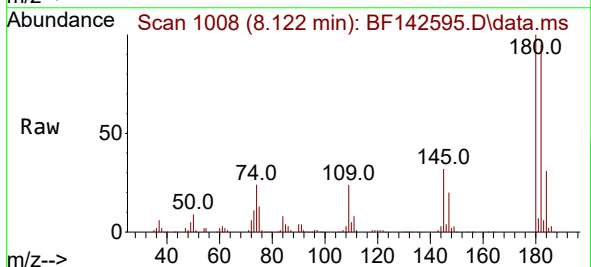
Tgt Ion:180 Resp: 318291

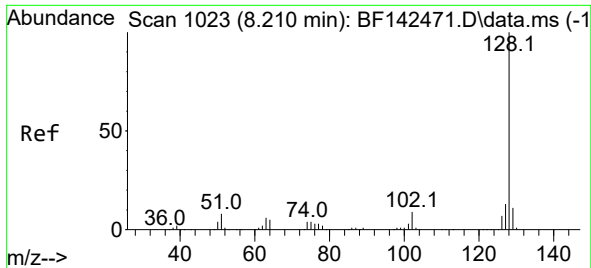
Ion Ratio Lower Upper

180 100

182 94.7 78.0 117.0

145 31.9 25.0 37.6





#31  
Naphthalene  
Concen: 42.414 ng  
RT: 8.204 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

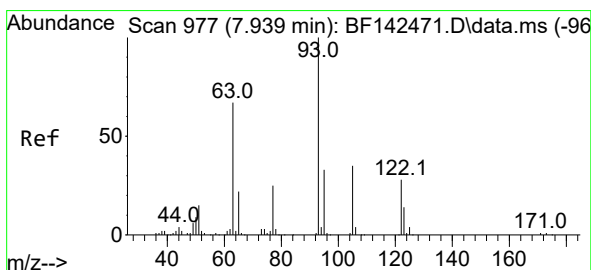
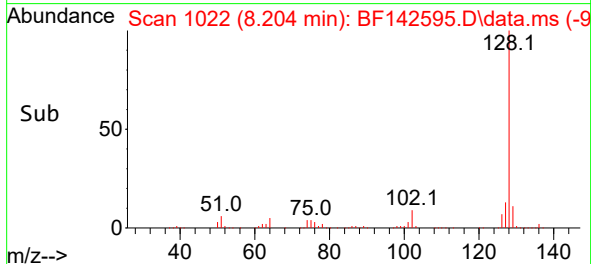
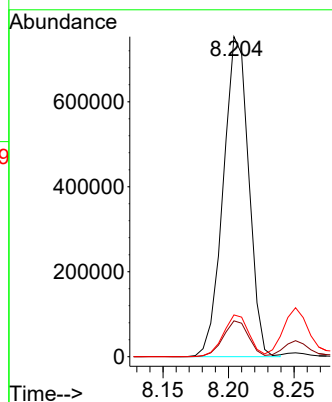
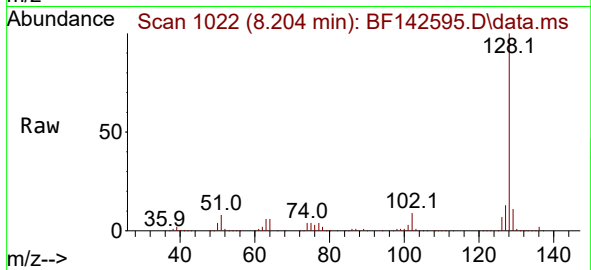
Tgt Ion:128 Resp: 101445  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.1 10.5 15.7

Manual Integrations

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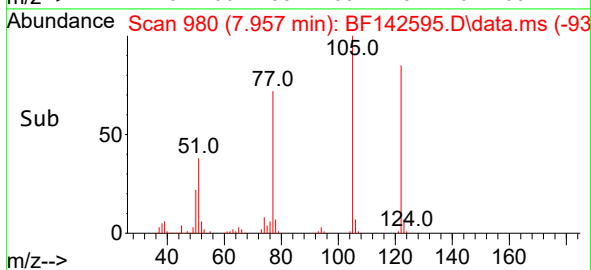
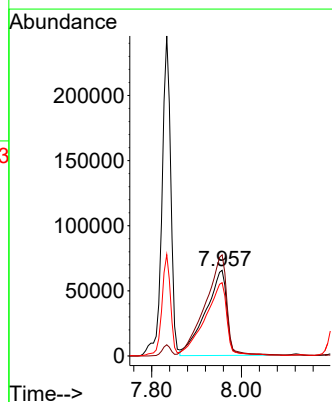
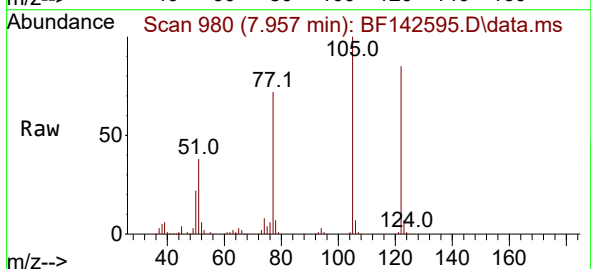
Reviewed By :Rahul Chavli 06/03/2025

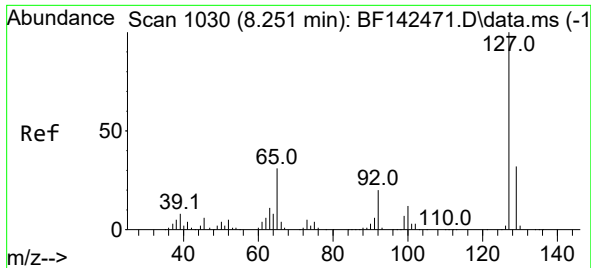
Supervised By :Jagrut Upadhyay 06/03/2025



#32  
Benzoic acid  
Concen: 47.422 ng  
RT: 7.957 min Scan# 980  
Delta R.T. -0.018 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:122 Resp: 218542  
Ion Ratio Lower Upper  
122 100  
105 118.2 101.7 141.7  
77 85.6 69.5 109.5





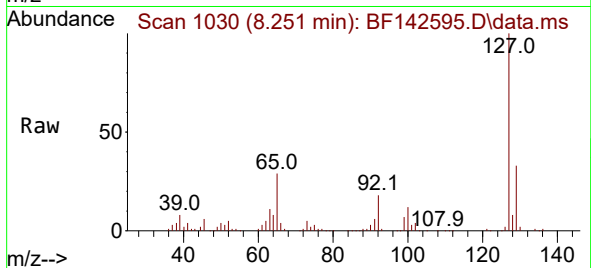
#33  
4-Chloroaniline  
Concen: 18.230 ng  
RT: 8.251 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



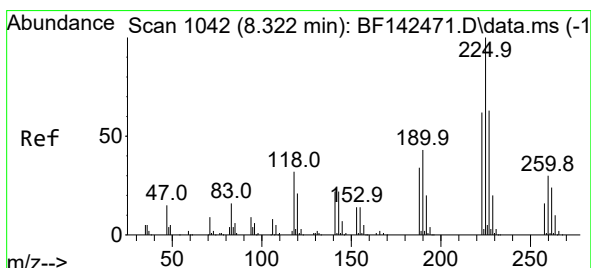
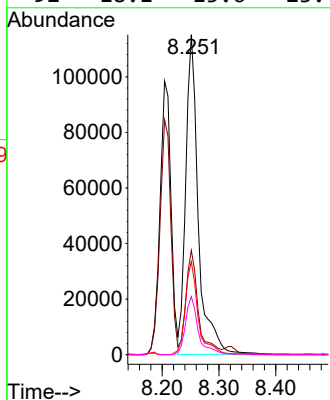
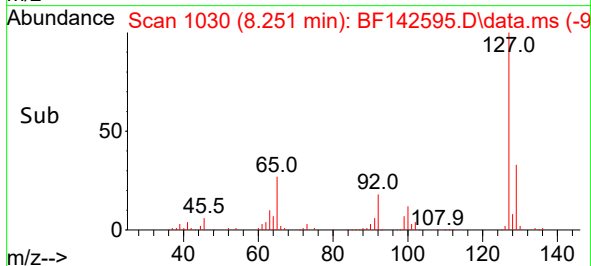
Tgt Ion:127 Resp: 17667  
Ion Ratio Lower Upper  
127 100  
129 32.6 26.1 39.1  
65 29.0 24.9 37.3  
92 18.1 15.6 23.4

Manual Integrations

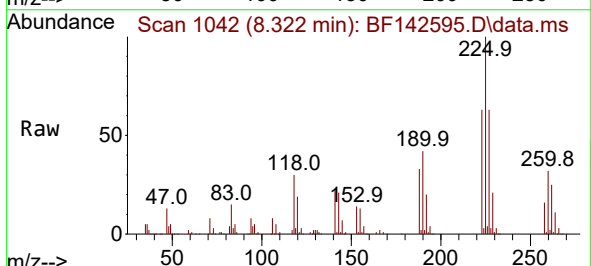
APPROVED

Reviewed By :Rahul Chavli 06/03/2025

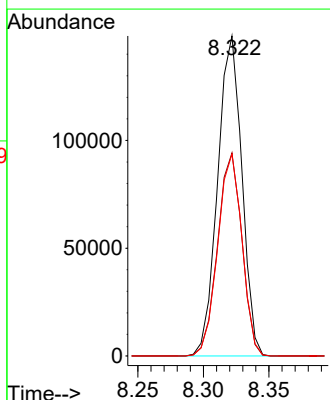
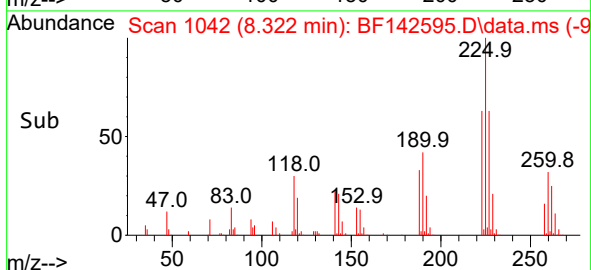
Supervised By :Jagrut Upadhyay 06/03/2025

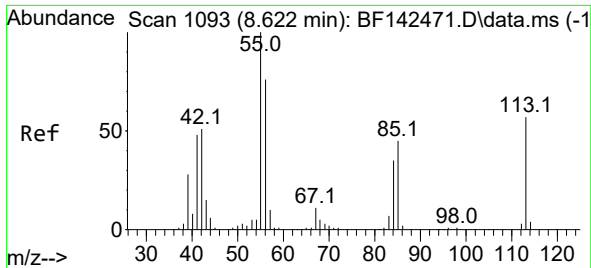


#34  
Hexachlorobutadiene  
Concen: 40.867 ng  
RT: 8.322 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:225 Resp: 190668  
Ion Ratio Lower Upper  
225 100  
223 63.5 49.7 74.5  
227 63.1 50.3 75.5





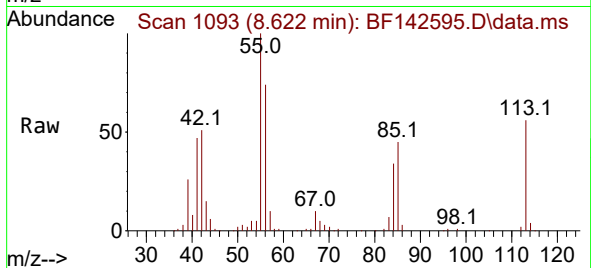
#35  
Caprolactam  
Concen: 51.700 ng m  
RT: 8.622 min Scan# 1093  
Delta R.T. -0.023 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



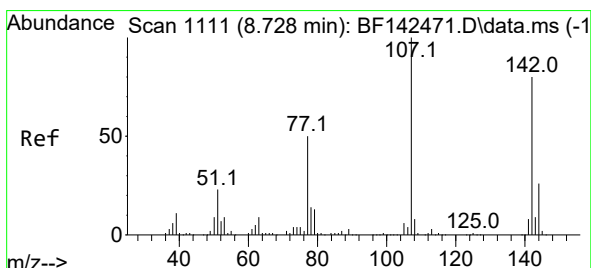
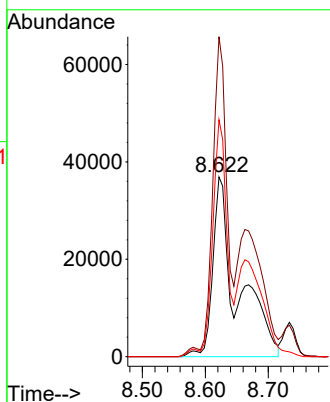
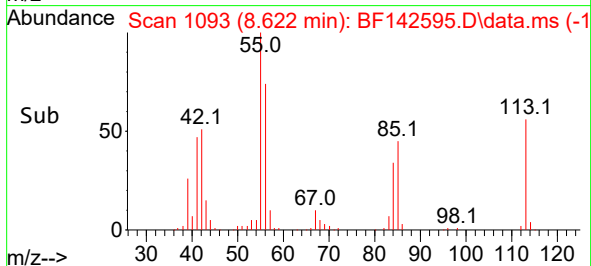
Tgt Ion:113 Resp: 9997  
Ion Ratio Lower Upper  
113 100  
55 178.0 154.7 194.7  
56 131.8 113.2 153.2

Manual Integrations

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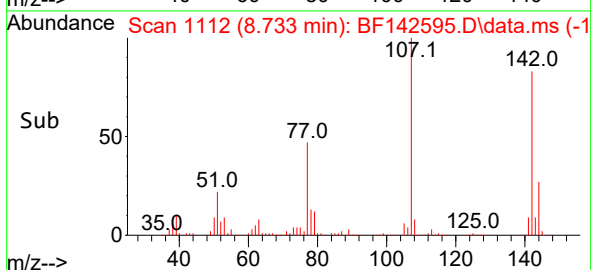
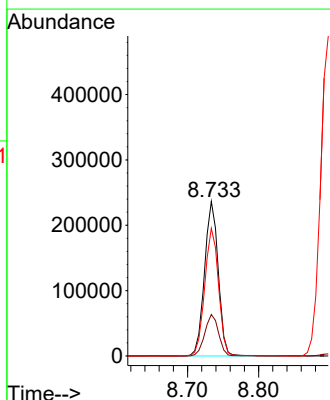
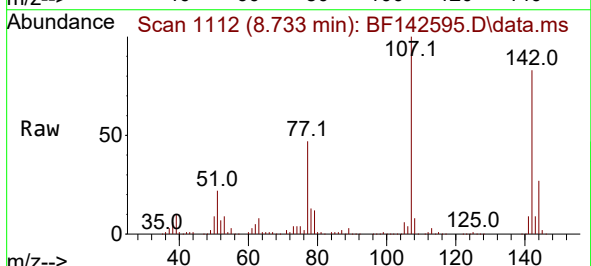
Reviewed By :Rahul Chavli 06/03/2025

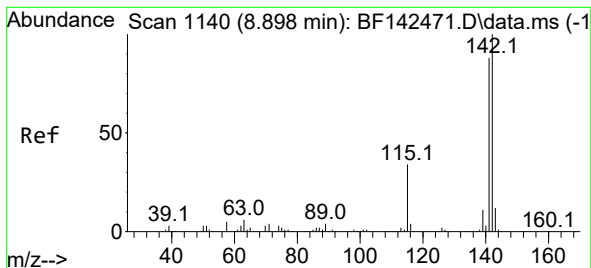
Supervised By :Jagrut Upadhyay 06/03/2025



#36  
4-Chloro-3-methylphenol  
Concen: 45.134 ng  
RT: 8.733 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:107 Resp: 318462  
Ion Ratio Lower Upper  
107 100  
144 26.9 20.9 31.3  
142 82.6 64.2 96.2





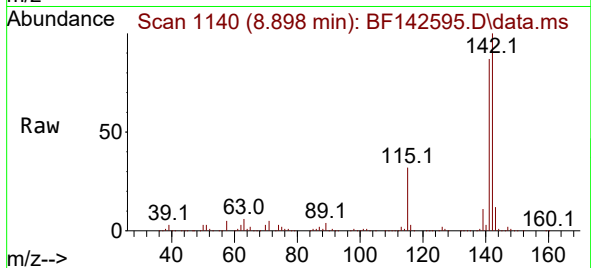
#37  
2-Methylnaphthalene  
Concen: 42.405 ng  
RT: 8.898 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



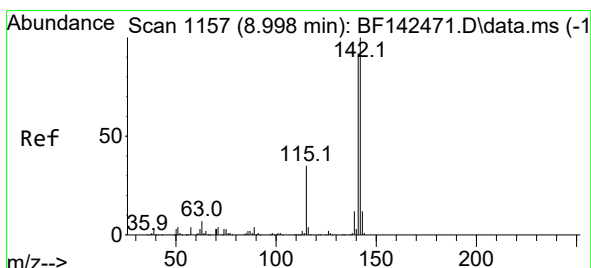
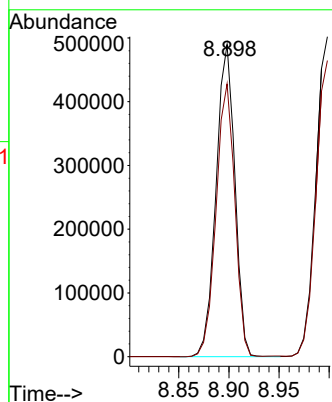
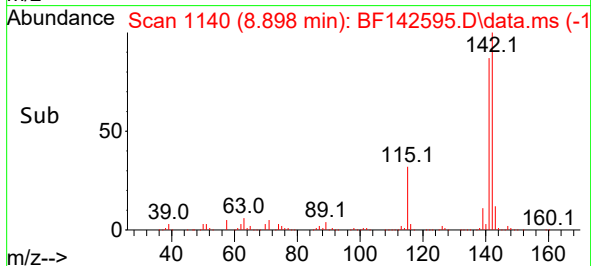
Tgt Ion:142 Resp: 638084  
Ion Ratio Lower Upper  
142 100  
141 87.4 70.7 106.1

Manual Integrations

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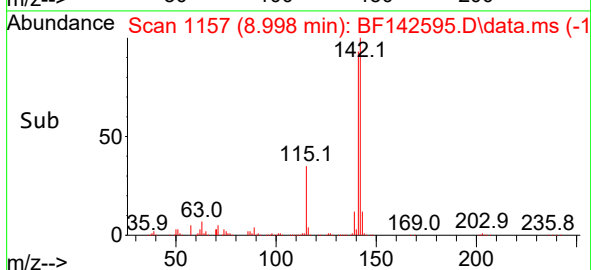
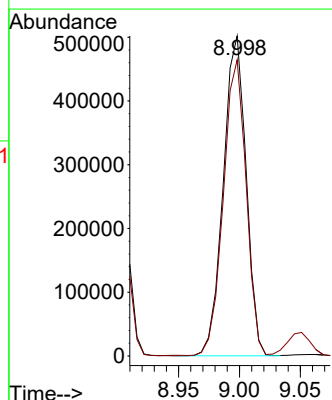
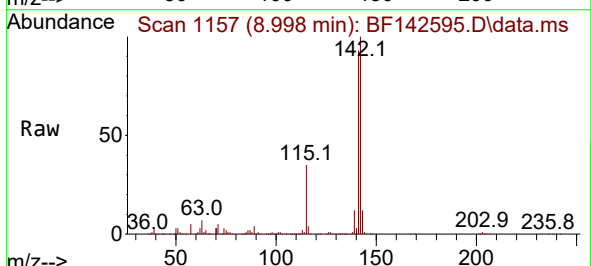
Reviewed By :Rahul Chavli 06/03/2025

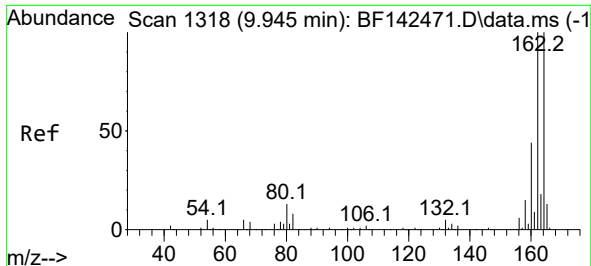
Supervised By :Jagrut Upadhyay 06/03/2025



#38  
1-Methylnaphthalene  
Concen: 42.048 ng  
RT: 8.998 min Scan# 1157  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:142 Resp: 654458  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1168

Delta R.T. 0.000 min

Lab File: BF142595.D

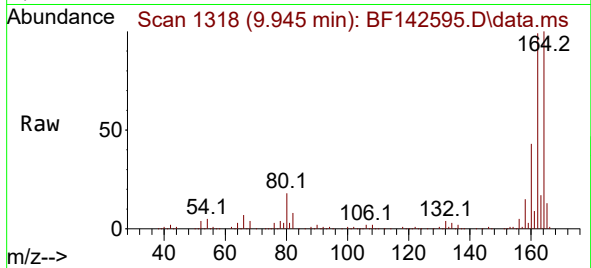
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



Tgt Ion:164 Resp: 271698

Ion Ratio Lower Upper

164 100

162 99.2 80.2 120.4

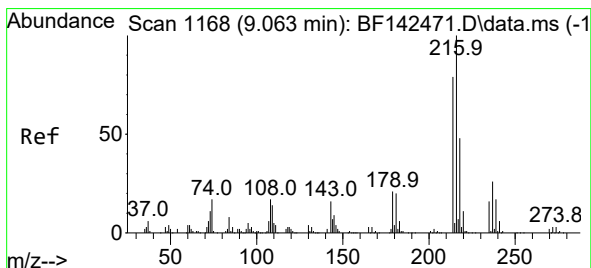
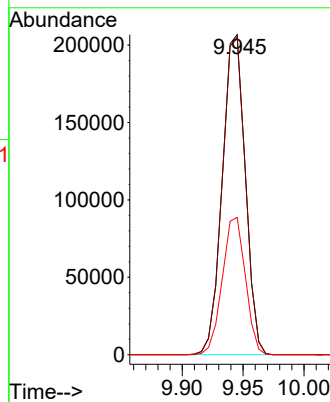
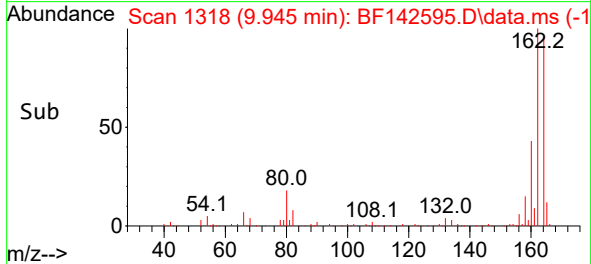
160 42.9 35.6 53.4

Manual Integrations

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Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.480 ng

RT: 9.063 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Tgt Ion:216 Resp: 323517

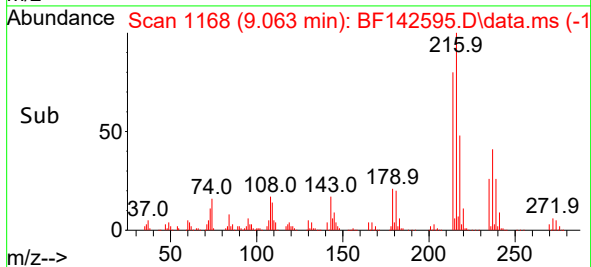
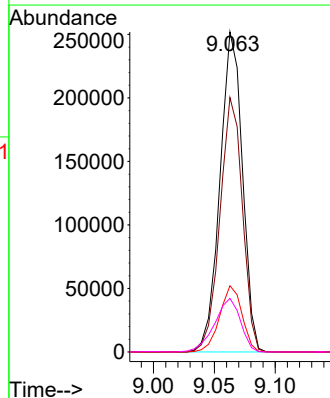
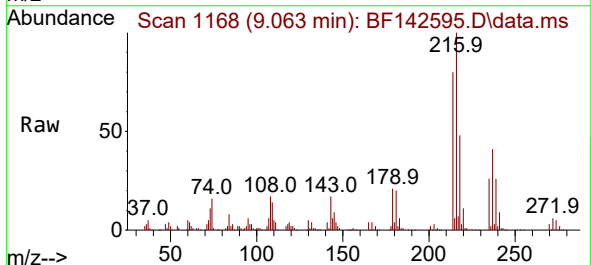
Ion Ratio Lower Upper

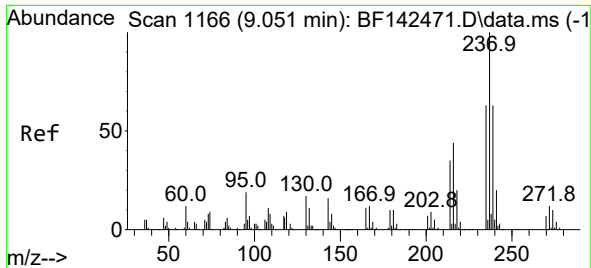
216 100

214 79.3 62.9 94.3

179 20.6 16.9 25.3

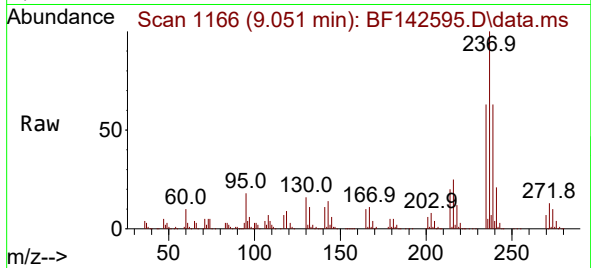
108 19.3 14.6 22.0





#41  
Hexachlorocyclopentadiene  
Concen: 80.672 ng  
RT: 9.051 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

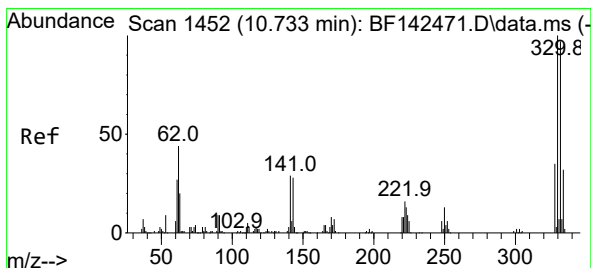
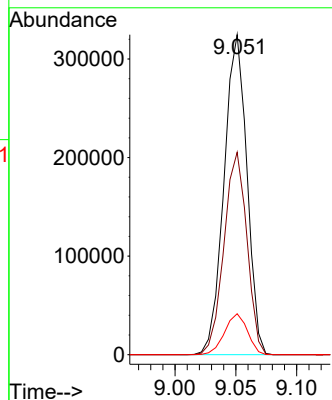
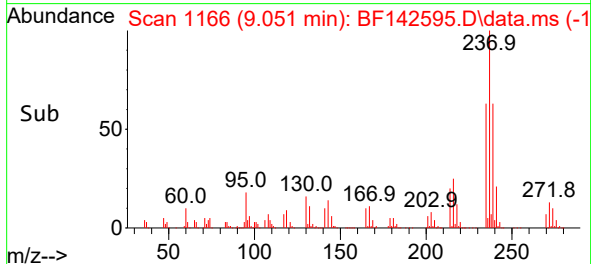
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



Tgt Ion:237 Resp: 424440  
Ion Ratio Lower Upper  
237 100  
235 63.3 43.3 83.3  
272 12.8 0.0 32.4

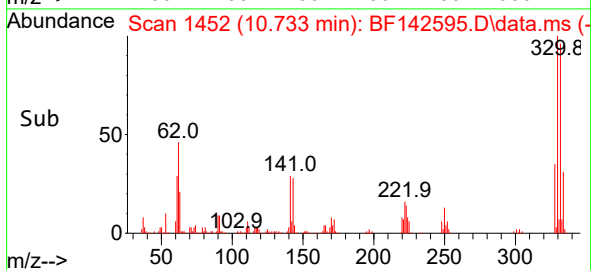
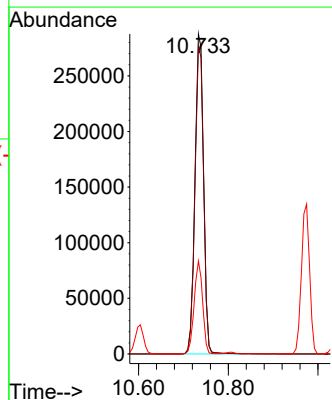
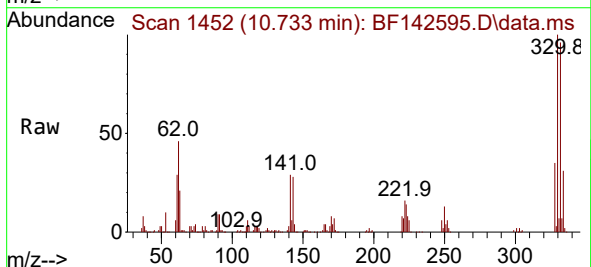
Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

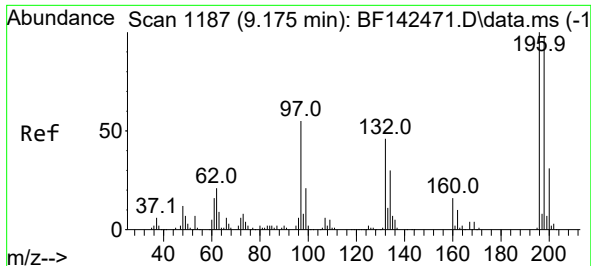


#42  
2,4,6-Tribromophenol  
Concen: 127.143 ng  
RT: 10.733 min Scan# 1452  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:330 Resp: 383400  
Ion Ratio Lower Upper  
330 100  
332 96.1 77.6 116.4  
141 28.5 24.6 36.8

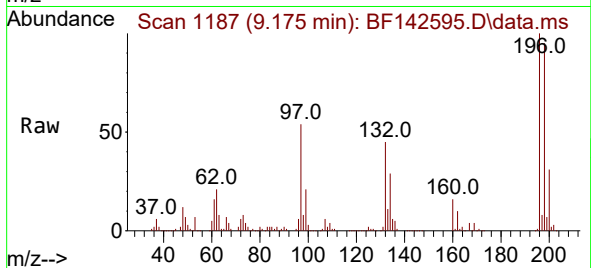






#43  
2,4,6-Trichlorophenol  
Concen: 43.281 ng  
RT: 9.175 min Scan# 1187  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

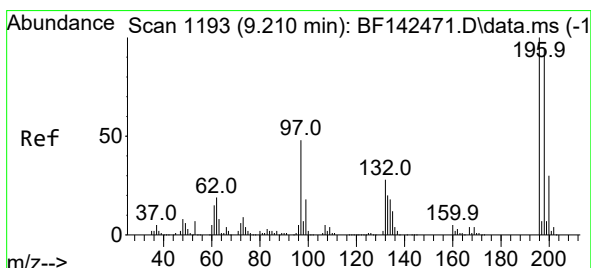
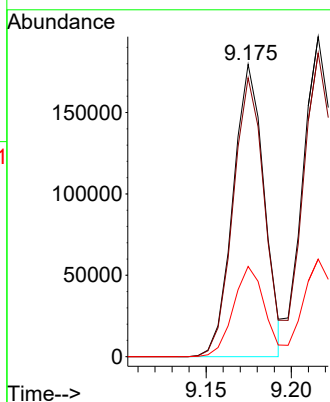
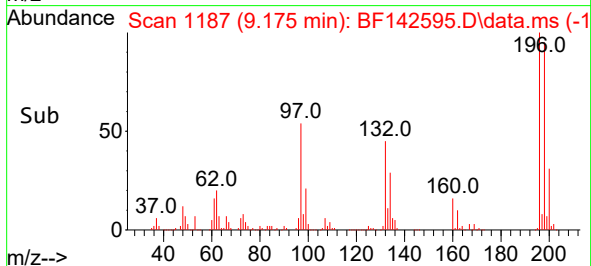
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



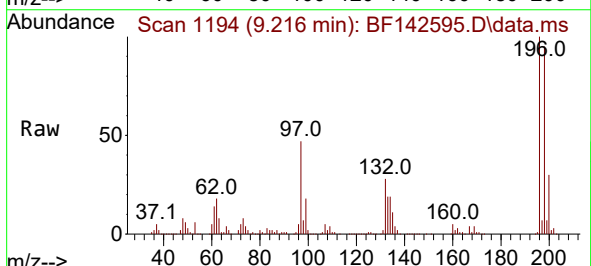
Tgt Ion:196 Resp: 227629  
Ion Ratio Lower Upper  
196 100  
198 95.4 78.8 118.2  
200 30.9 24.9 37.3

Manual Integrations  
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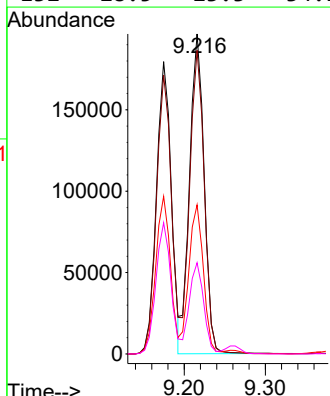
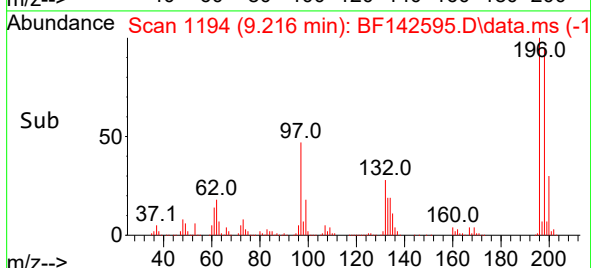
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

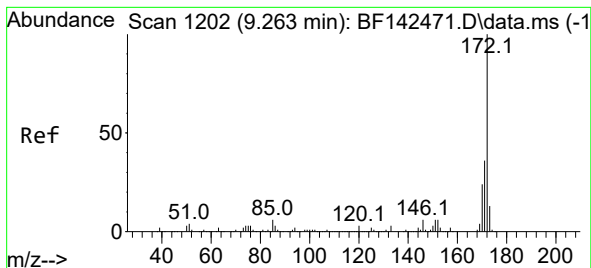


#44  
2,4,5-Trichlorophenol  
Concen: 44.440 ng  
RT: 9.216 min Scan# 1194  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:196 Resp: 246489  
Ion Ratio Lower Upper  
196 100  
198 94.9 75.5 113.3  
97 46.6 39.3 58.9  
132 28.5 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 71.975 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

Tgt Ion:172 Resp: 1457340

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

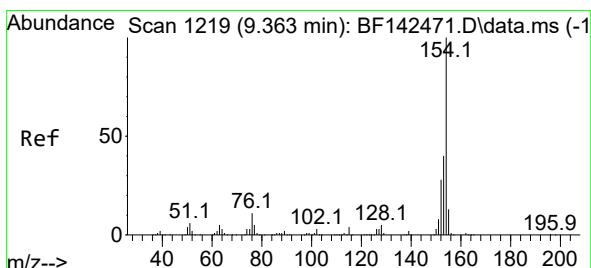
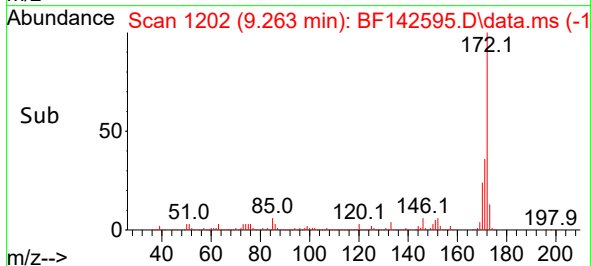
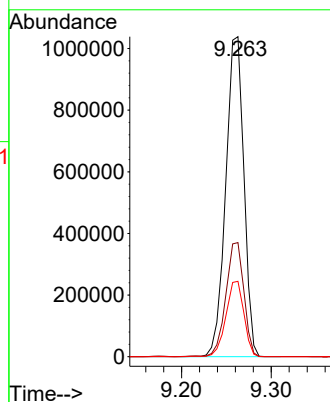
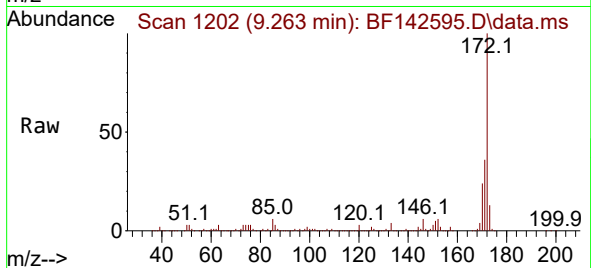
170 23.5 18.9 28.3

Manual Integrations

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Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#46

1,1'-Biphenyl

Concen: 42.247 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

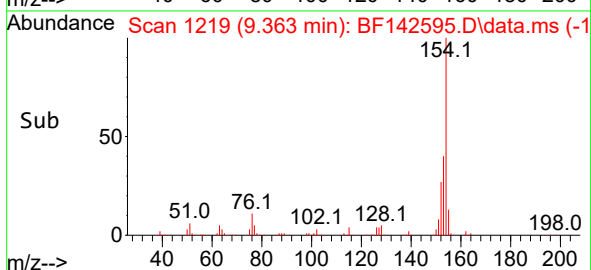
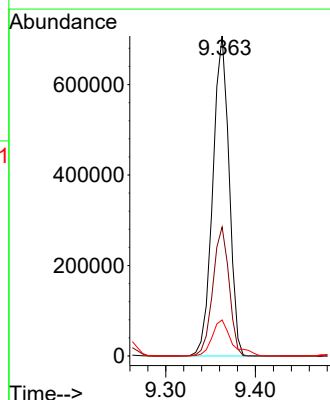
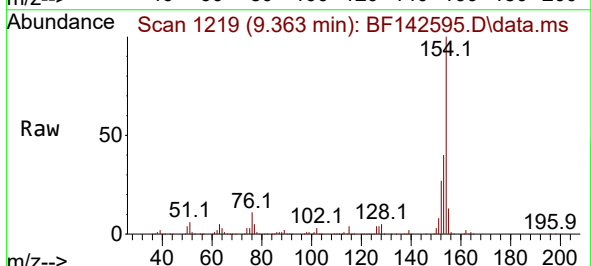
Tgt Ion:154 Resp: 890515

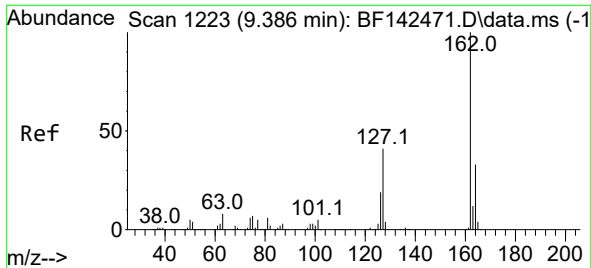
Ion Ratio Lower Upper

154 100

153 40.3 20.4 60.4

76 11.2 0.0 30.8





#47

2-Chloronaphthalene

Concen: 41.940 ng

RT: 9.386 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

Tgt Ion:162 Resp: 65316

Ion Ratio Lower Upper

162 100

127 41.3 33.5 50.3

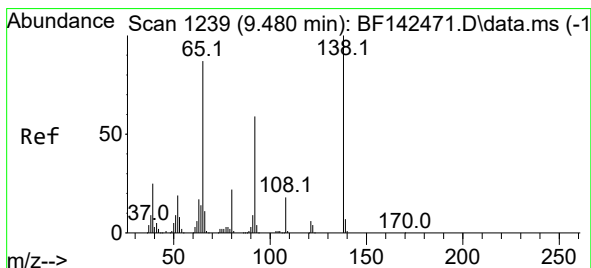
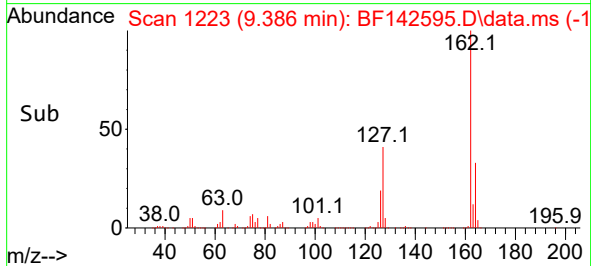
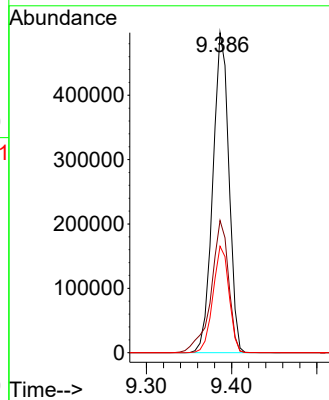
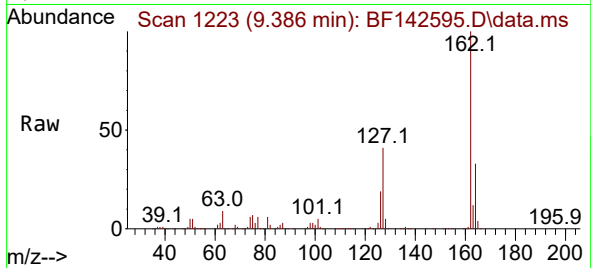
164 33.2 26.1 39.1

Manual Integrations

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Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#48

2-Nitroaniline

Concen: 45.136 ng

RT: 9.480 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

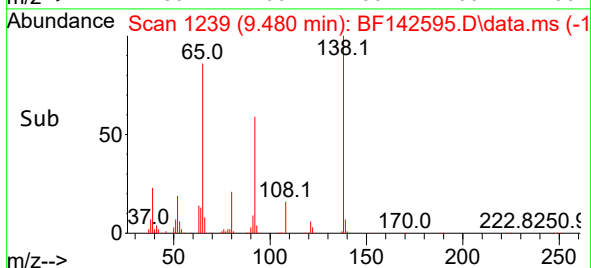
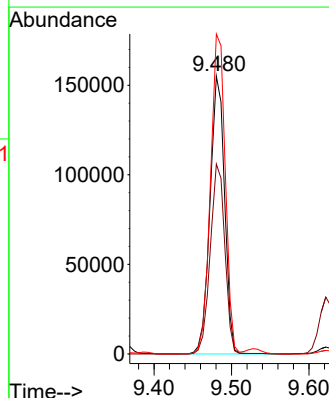
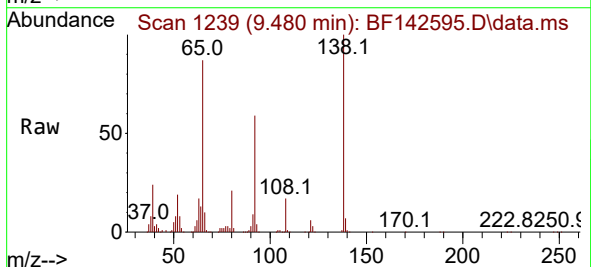
Tgt Ion: 65 Resp: 203179

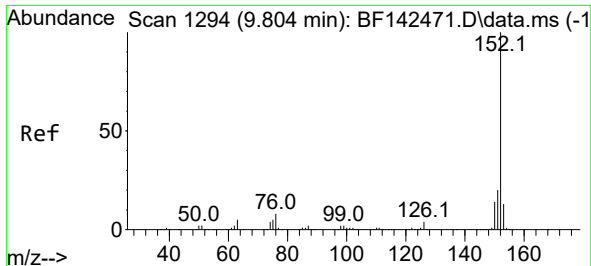
Ion Ratio Lower Upper

65 100

92 68.4 54.4 81.6

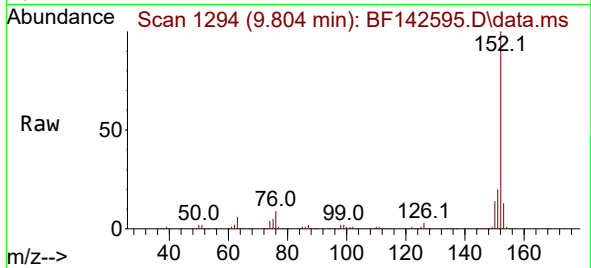
138 115.2 91.4 137.2





#49  
Acenaphthylene  
Concen: 42.363 ng  
RT: 9.804 min Scan# 111404  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

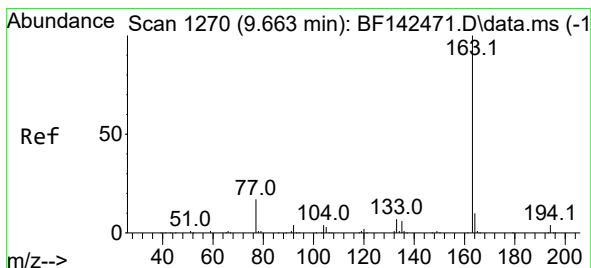
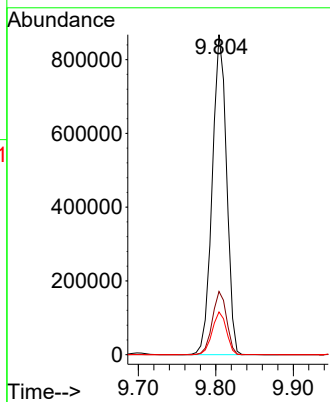
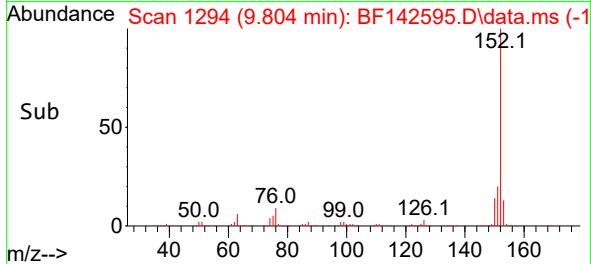
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



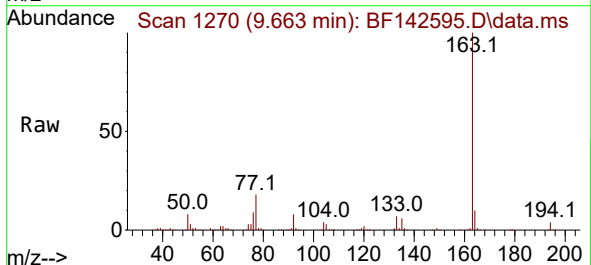
Tgt Ion:152 Resp: 111404  
Ion Ratio Lower Upper  
152 100  
151 19.8 15.8 23.8  
153 13.3 10.6 15.8

Manual Integrations  
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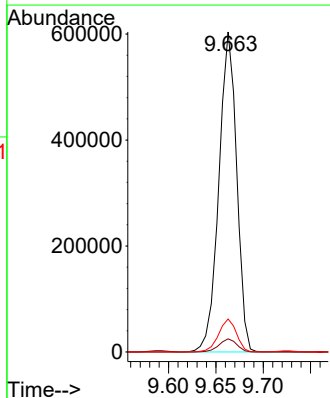
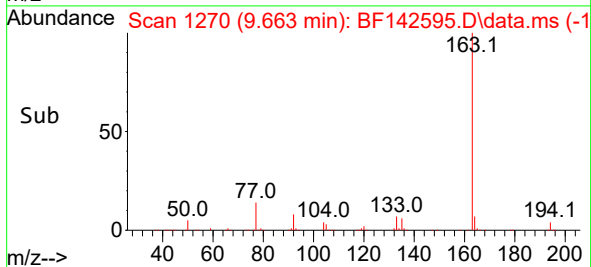
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

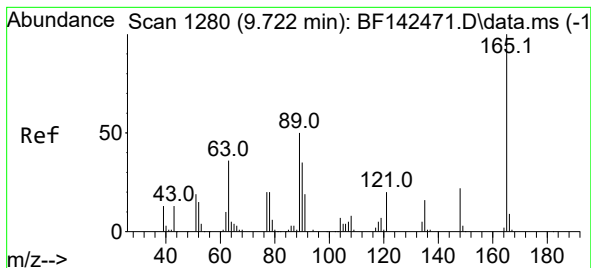


#50  
Dimethylphthalate  
Concen: 44.199 ng  
RT: 9.663 min Scan# 1270  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



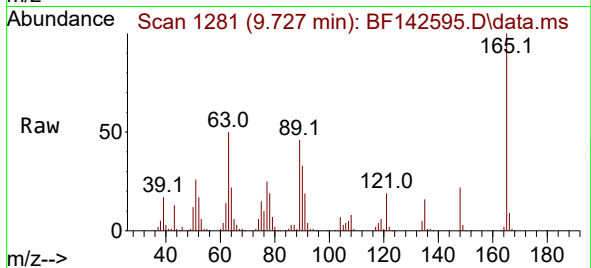
Tgt Ion:163 Resp: 792383  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.3 4.9  
164 10.3 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 45.656 ng  
RT: 9.727 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

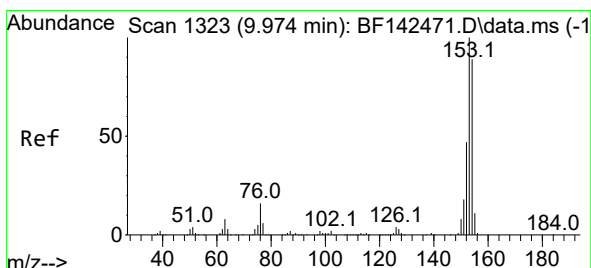
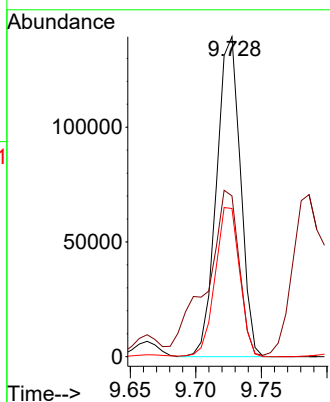
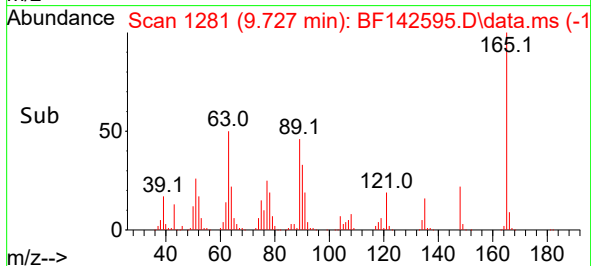
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



Tgt Ion:165 Resp: 176658  
Ion Ratio Lower Upper  
165 100  
63 50.3 42.9 64.3  
89 46.3 40.2 60.4

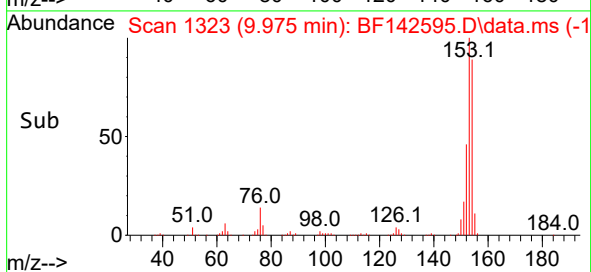
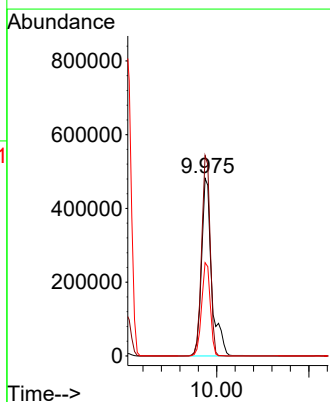
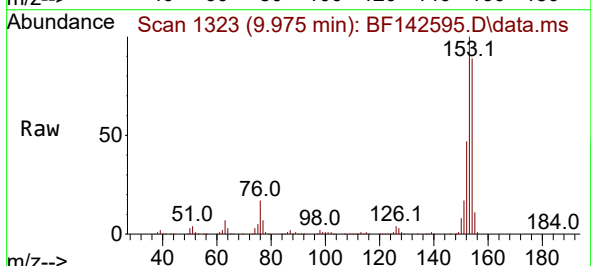
Manual Integrations  
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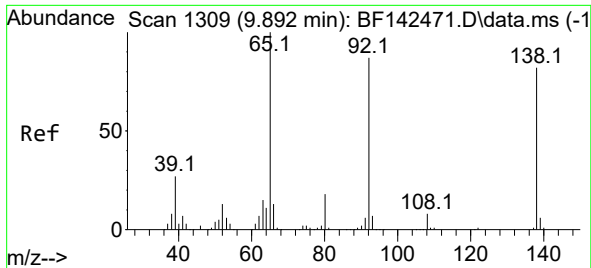
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



#52  
Acenaphthene  
Concen: 46.329 ng  
RT: 9.975 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:154 Resp: 743945  
Ion Ratio Lower Upper  
154 100  
153 112.8 90.0 135.0  
152 52.6 42.6 64.0





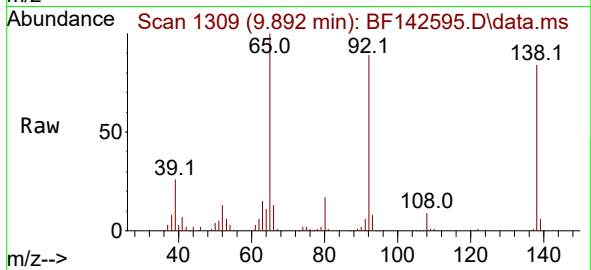
#53  
3-Nitroaniline  
Concen: 27.052 ng  
RT: 9.892 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



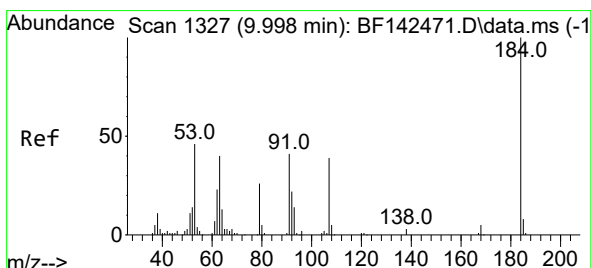
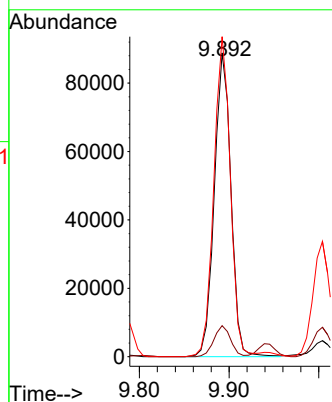
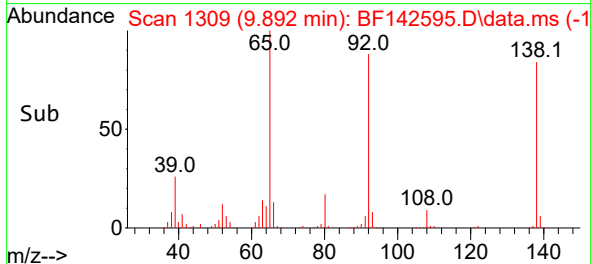
Tgt Ion:138 Resp: 11432  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.1 12.1  
92 105.3 85.2 127.8

Manual Integrations

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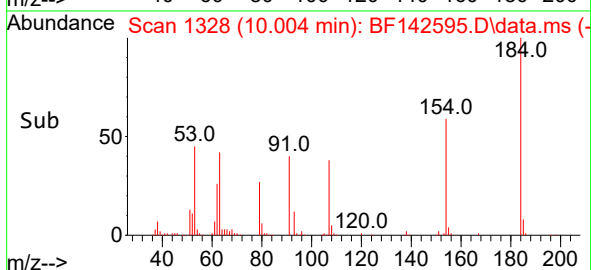
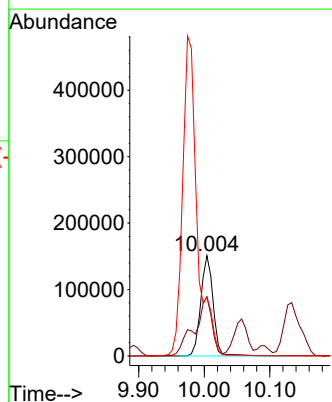
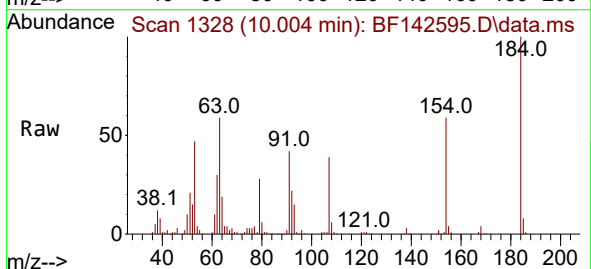
Reviewed By :Rahul Chavli 06/03/2025

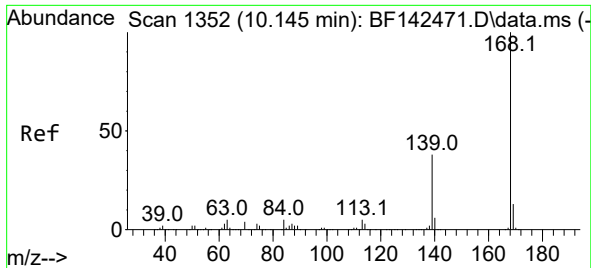
Supervised By :Jagrut Upadhyay 06/03/2025



#54  
2,4-Dinitrophenol  
Concen: 98.857 ng  
RT: 10.004 min Scan# 1328  
Delta R.T. -0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:184 Resp: 197620  
Ion Ratio Lower Upper  
184 100  
63 59.1 46.3 69.5  
154 58.7 56.8 85.2





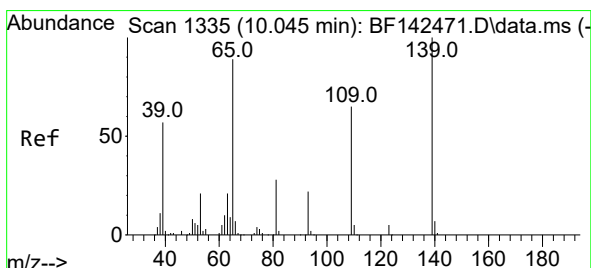
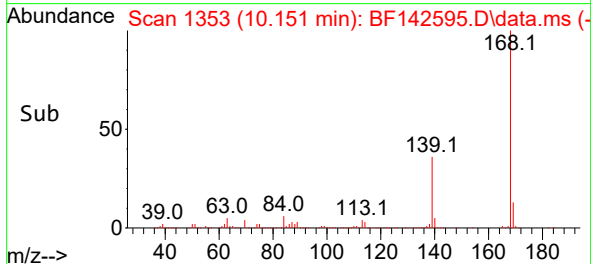
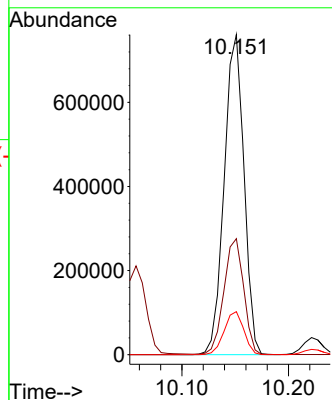
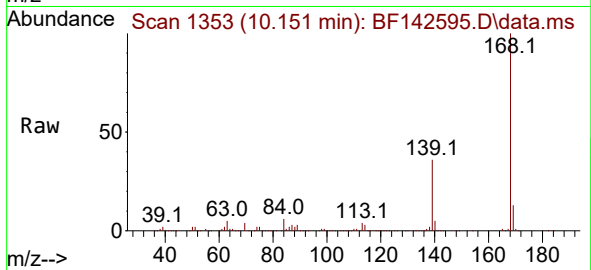
#55  
Dibenzofuran  
Concen: 42.367 ng  
RT: 10.151 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS

Tgt Ion:168 Resp: 979008  
Ion Ratio Lower Upper  
168 100  
139 36.2 30.2 45.2  
169 13.5 10.7 16.1

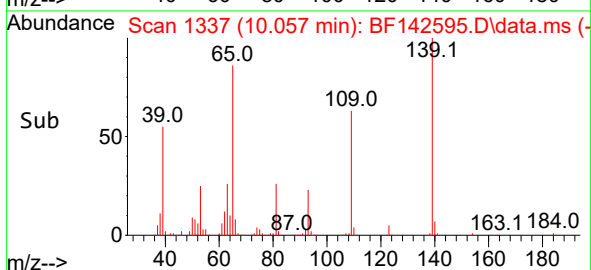
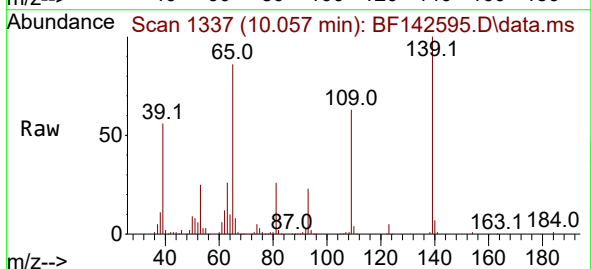
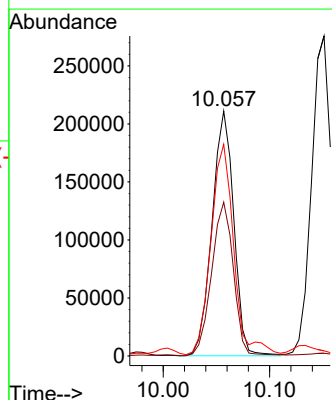
Manual Integrations  
APPROVED

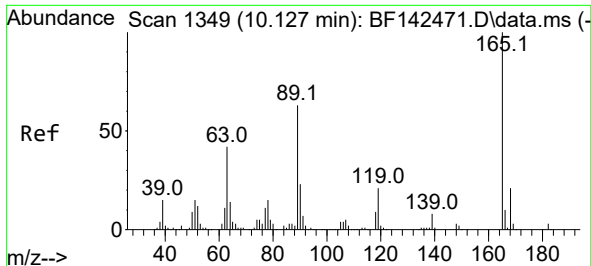
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



#56  
4-Nitrophenol  
Concen: 95.715 ng  
RT: 10.057 min Scan# 1337  
Delta R.T. 0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:139 Resp: 298469  
Ion Ratio Lower Upper  
139 100  
109 62.8 45.1 85.1  
65 86.4 69.7 109.7





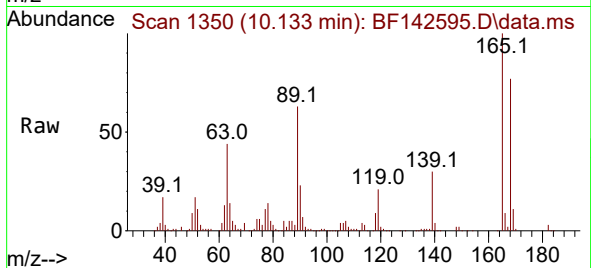
#57  
2,4-Dinitrotoluene  
Concen: 47.451 ng  
RT: 10.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



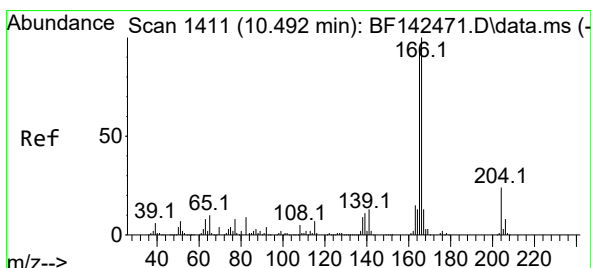
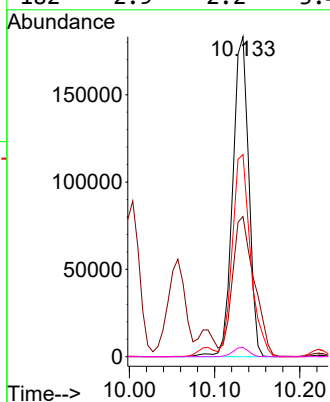
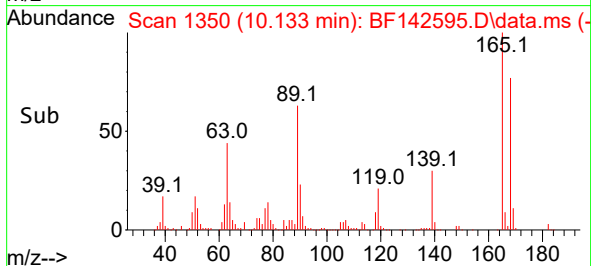
Tgt Ion:165 Resp: 239779  
Ion Ratio Lower Upper  
165 100  
63 43.8 33.6 50.4  
89 63.2 50.2 75.4  
182 2.9 2.2 3.4

Manual Integrations

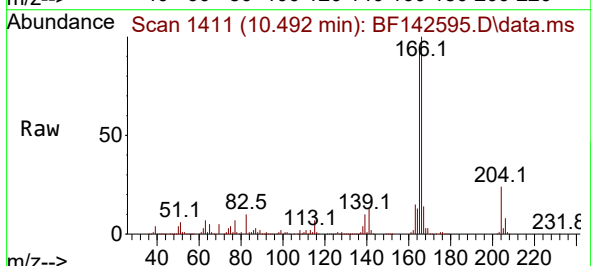
APPROVED

Reviewed By :Rahul Chavli 06/03/2025

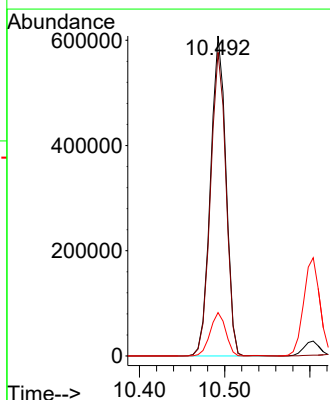
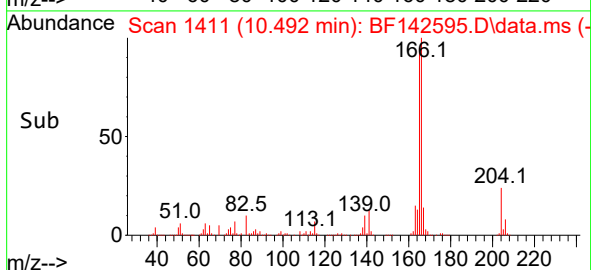
Supervised By :Jagrut Upadhyay 06/03/2025



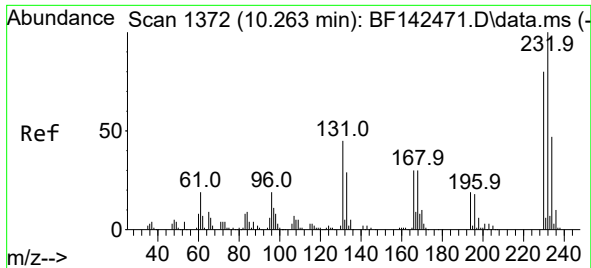
#58  
Fluorene  
Concen: 42.995 ng  
RT: 10.492 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:166 Resp: 767546  
Ion Ratio Lower Upper  
166 100  
165 94.9 75.8 113.8  
167 13.6 10.6 16.0

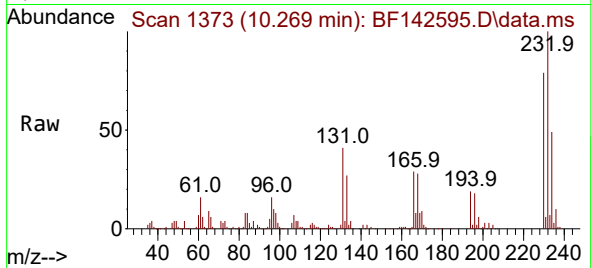






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.249 ng  
RT: 10.269 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

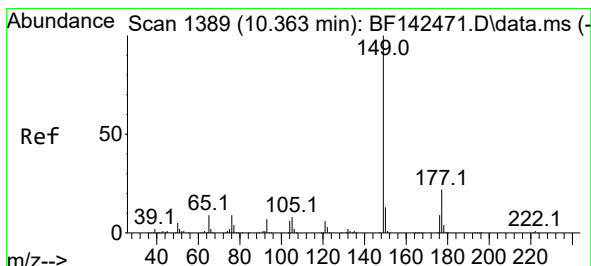
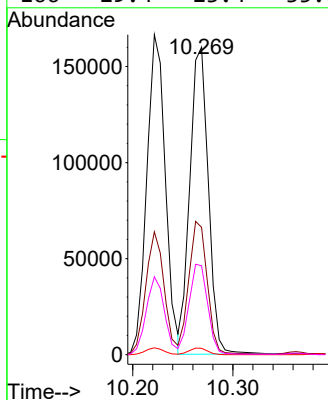
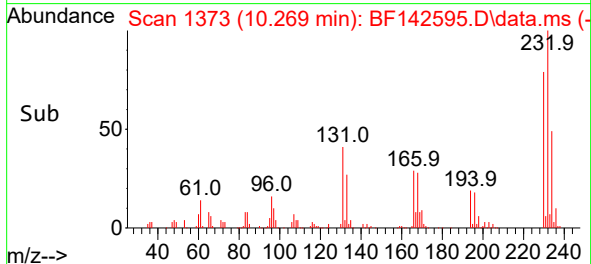
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



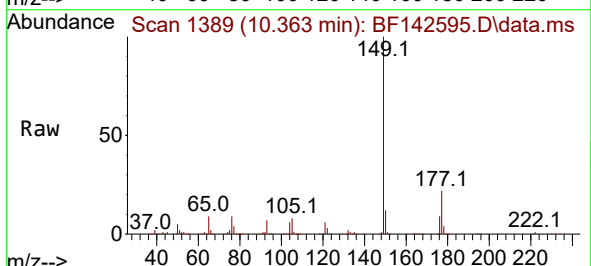
Tgt Ion:232 Resp: 20488  
Ion Ratio Lower Upper  
232 100  
131 43.6 35.2 52.8  
130 2.1 1.7 2.5  
166 29.4 23.4 35.0

Manual Integrations  
APPROVED

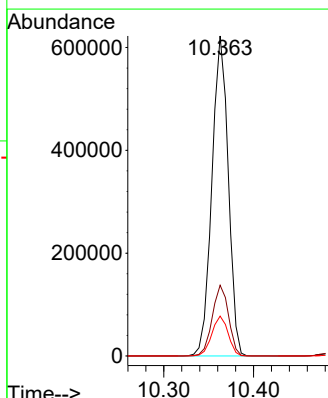
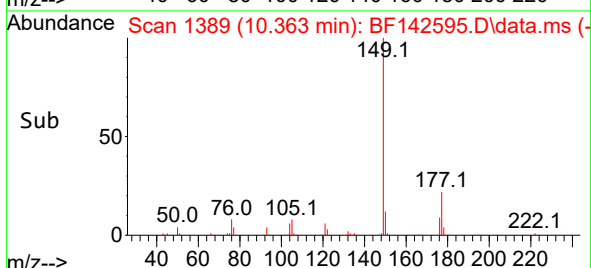
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

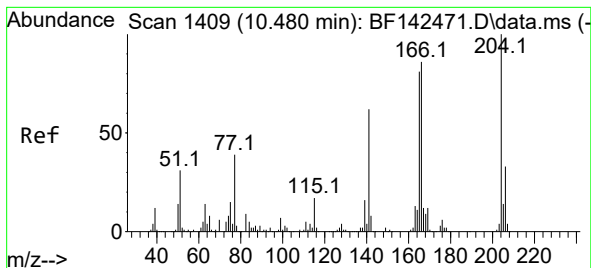


#60  
Diethylphthalate  
Concen: 44.951 ng  
RT: 10.363 min Scan# 1389  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



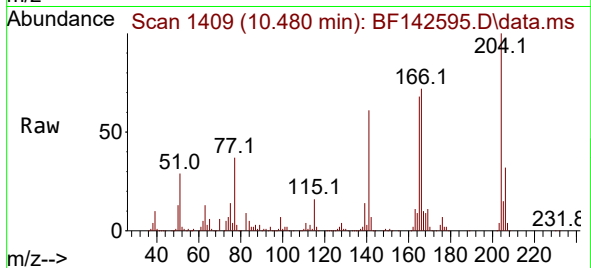
Tgt Ion:149 Resp: 787046  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.6 26.4  
150 12.5 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 42.578 ng  
RT: 10.480 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

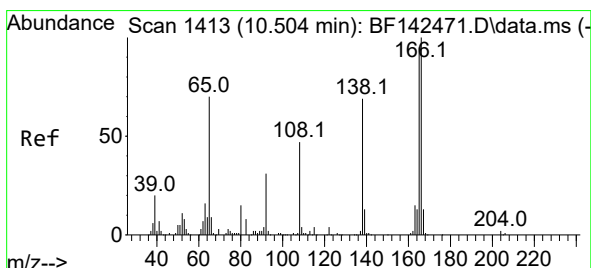
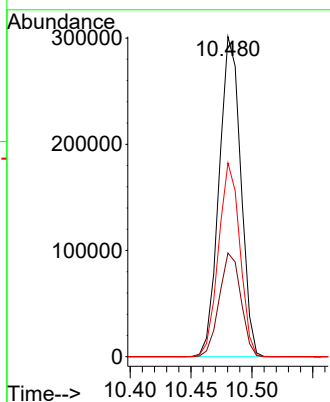
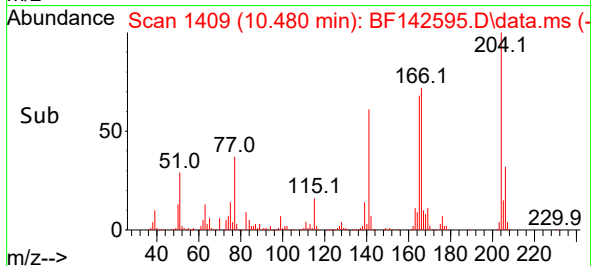
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



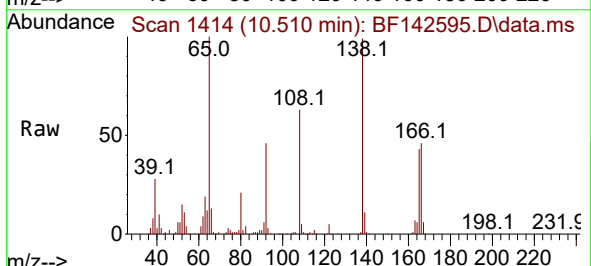
Tgt Ion:204 Resp: 373395  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.3 39.5  
141 60.5 49.5 74.3

Manual Integrations  
APPROVED

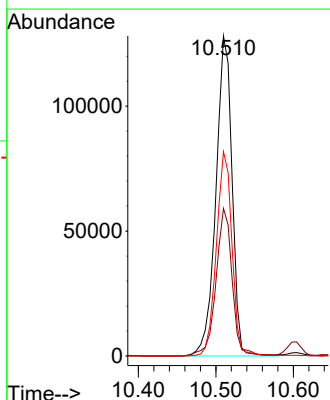
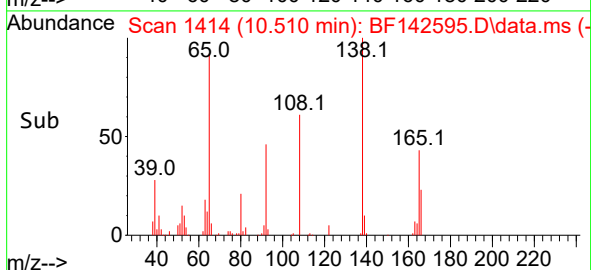
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

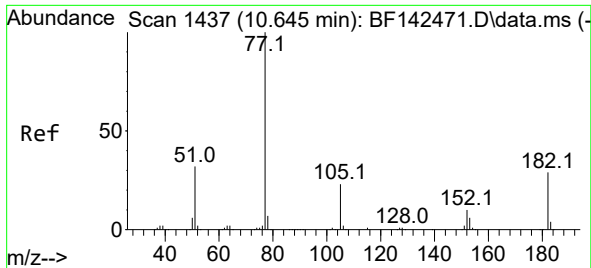


#62  
4-Nitroaniline  
Concen: 48.480 ng  
RT: 10.510 min Scan# 1414  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



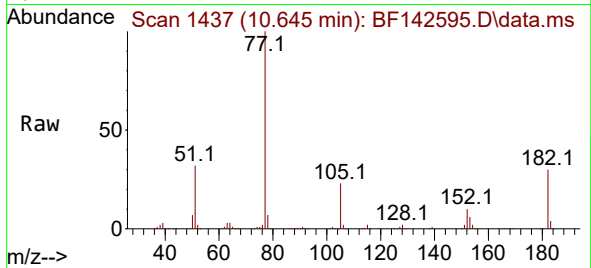
Tgt Ion:138 Resp: 185820  
Ion Ratio Lower Upper  
138 100  
92 46.1 26.0 66.0  
108 63.9 48.4 88.4





#63  
Azobenzene  
Concen: 43.717 ng  
RT: 10.645 min Scan# 1437  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

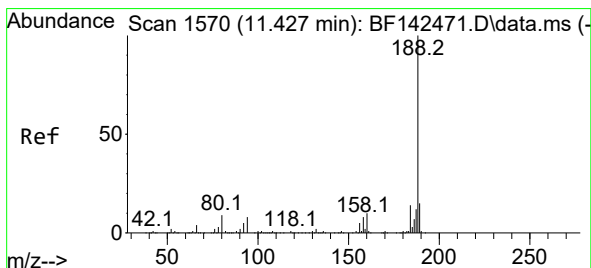
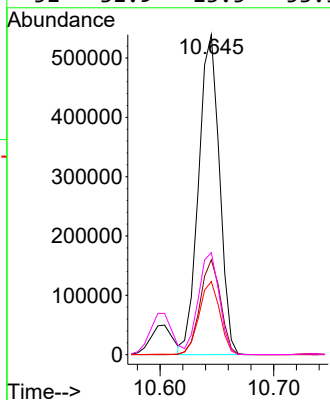
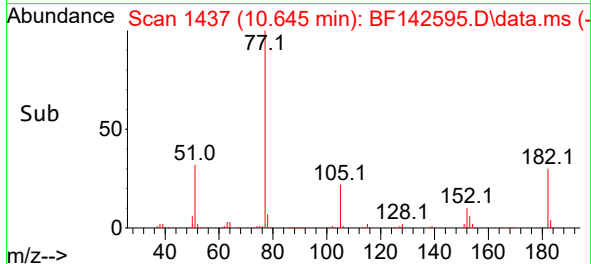
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



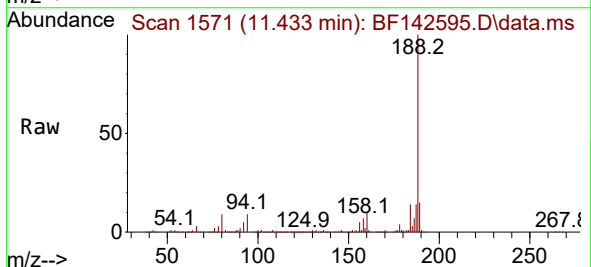
Tgt Ion: 77 Resp: 687495  
Ion Ratio Lower Upper  
77 100  
182 29.7 9.0 49.0  
105 22.9 2.4 42.4  
51 31.9 13.5 53.5

Manual Integrations  
APPROVED

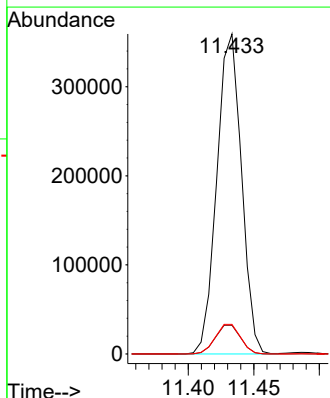
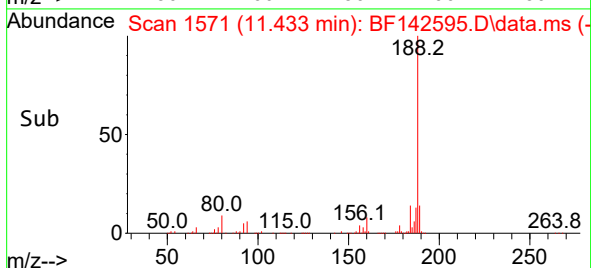
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

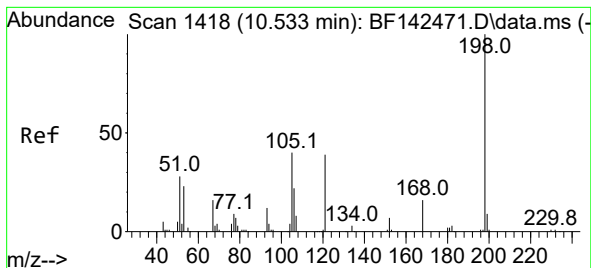


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.433 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



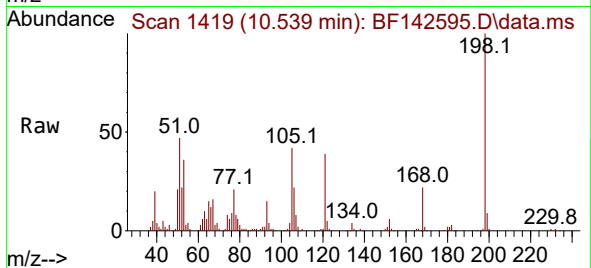
Tgt Ion:188 Resp: 469529  
Ion Ratio Lower Upper  
188 100  
94 8.9 6.6 10.0  
80 9.2 7.4 11.0





#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.578 ng  
RT: 10.539 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

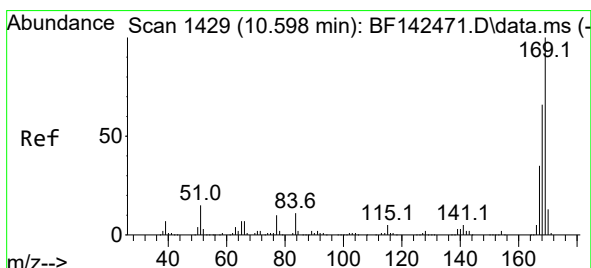
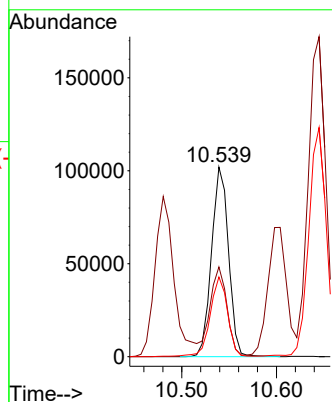
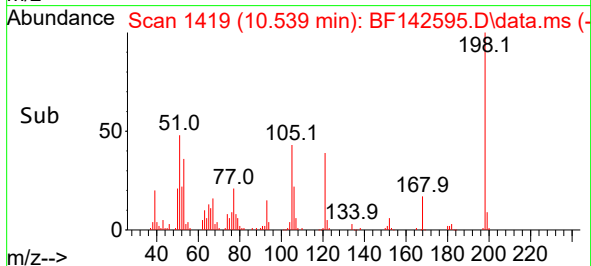
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



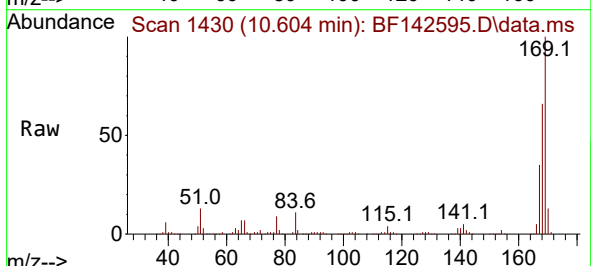
Tgt Ion:198 Resp: 12729  
Ion Ratio Lower Upper  
198 100  
51 47.4 28.3 68.3  
105 42.0 21.3 61.3

Manual Integrations  
APPROVED

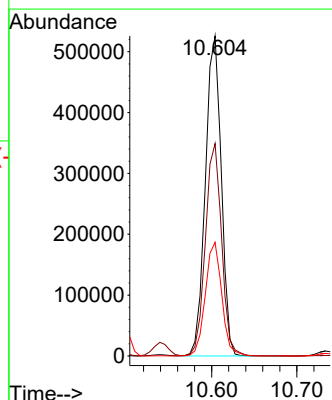
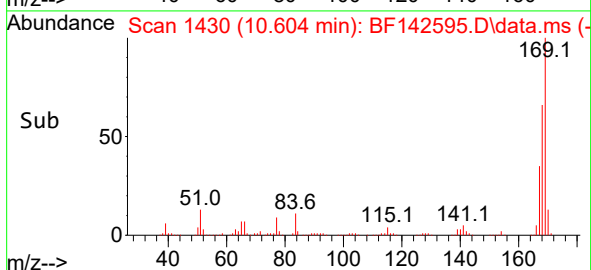
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

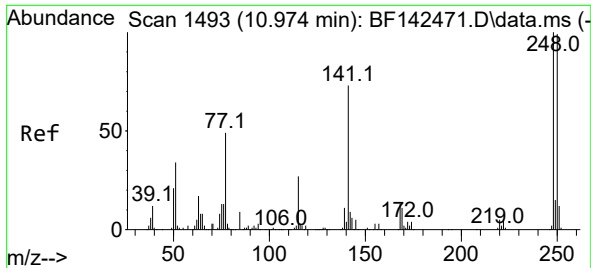


#66  
n-Nitrosodiphenylamine  
Concen: 42.475 ng  
RT: 10.604 min Scan# 1430  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



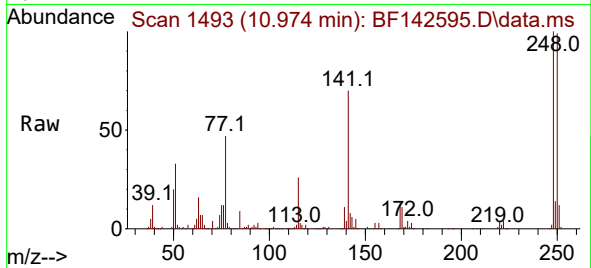
Tgt Ion:169 Resp: 682308  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.7 79.1  
167 35.5 28.3 42.5





#67  
4-Bromophenyl-phenylether  
Concen: 42.648 ng  
RT: 10.974 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

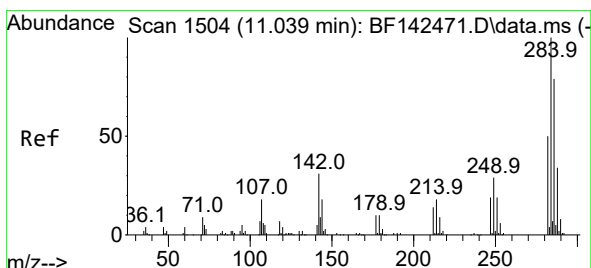
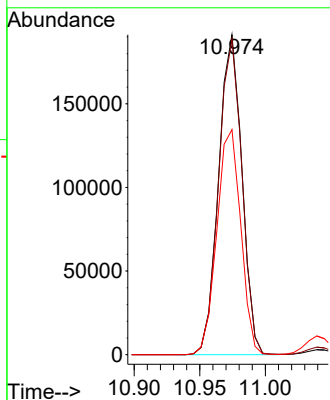
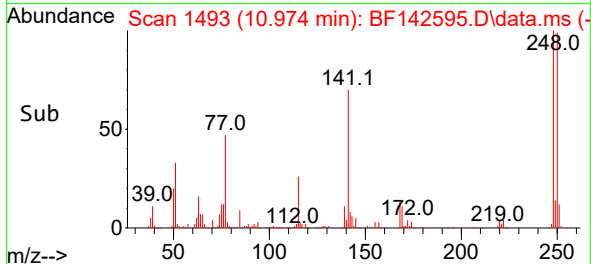
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



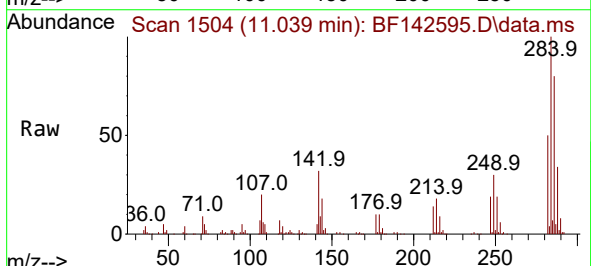
Tgt Ion:248 Resp: 23677  
Ion Ratio Lower Upper  
248 100  
250 98.6 79.0 118.4  
141 70.3 58.4 87.6

Manual Integrations  
APPROVED

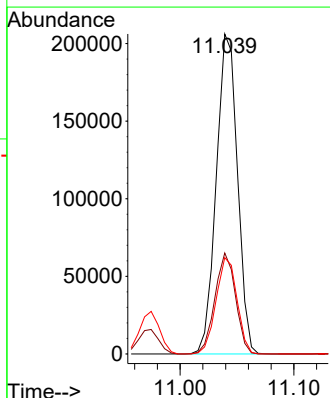
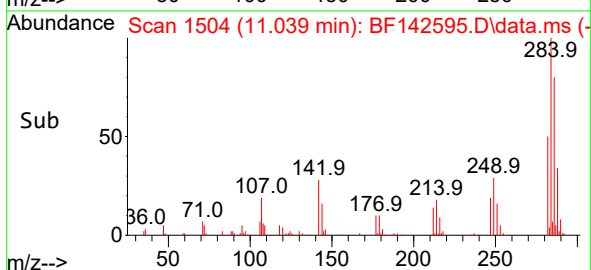
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

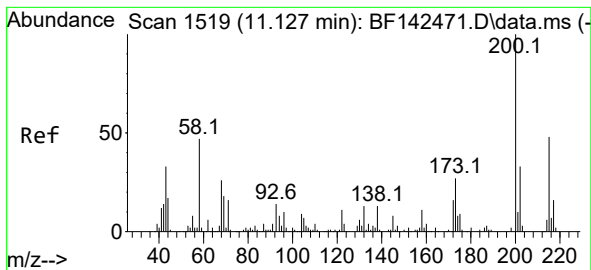


#68  
Hexachlorobenzene  
Concen: 43.507 ng  
RT: 11.039 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:284 Resp: 267154  
Ion Ratio Lower Upper  
284 100  
142 31.6 24.8 37.2  
249 30.1 23.6 35.4





#69

Atrazine

Concen: 49.336 ng

RT: 11.127 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF142595.D

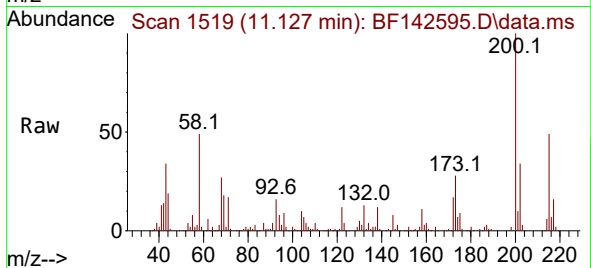
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



Tgt Ion:200 Resp: 210470

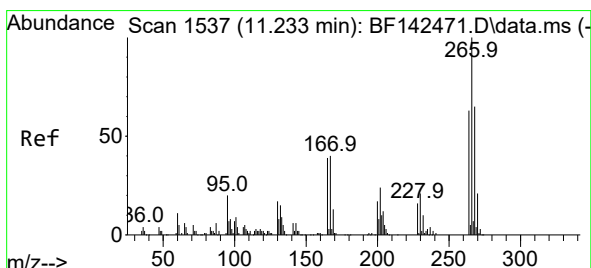
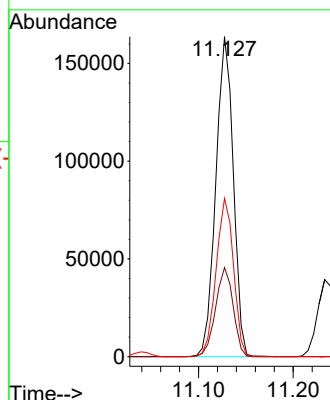
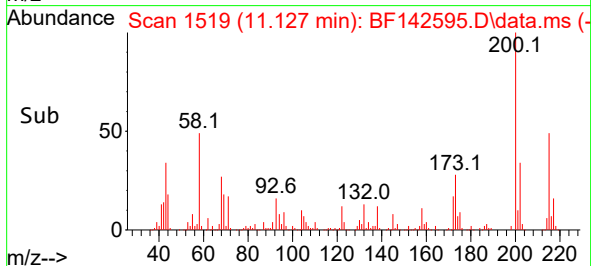
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 27.8  | 7.4   | 47.4  |
| 215 | 49.4  | 28.5  | 68.5  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#70

Pentachlorophenol

Concen: 87.484 ng

RT: 11.233 min Scan# 1537

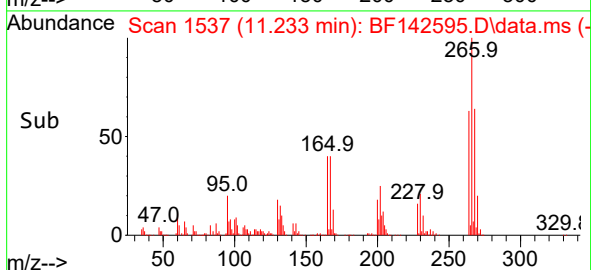
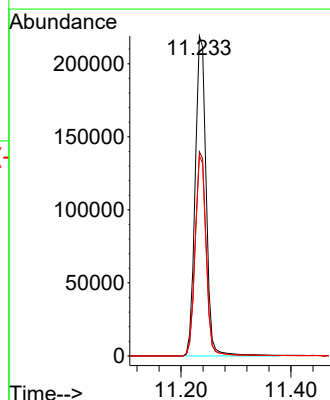
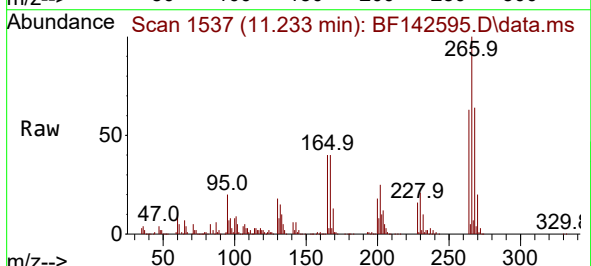
Delta R.T. 0.000 min

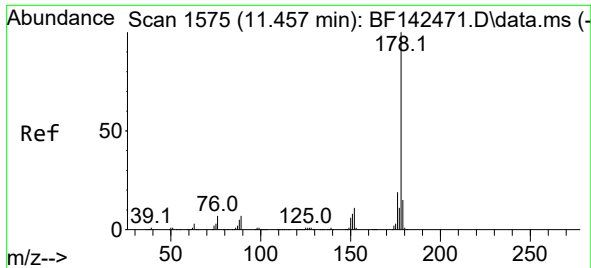
Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Tgt Ion:266 Resp: 303289

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 63.8  | 51.7  | 77.5  |
| 264 | 62.6  | 50.4  | 75.6  |





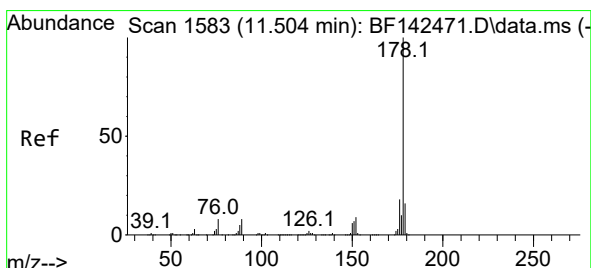
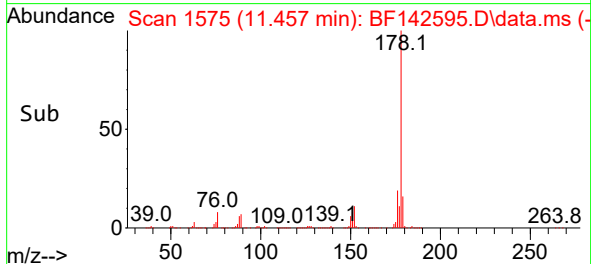
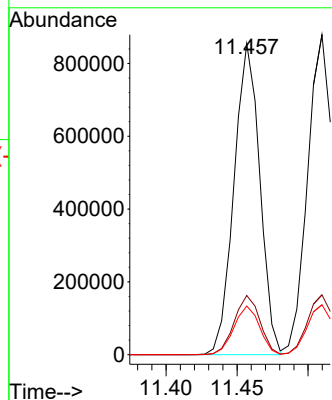
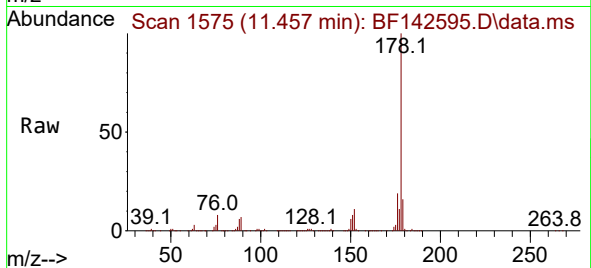
#71  
Phenanthrene  
Concen: 43.099 ng  
RT: 11.457 min Scan# 1575  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS

Tgt Ion:178 Resp: 1081460  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.6 12.3 18.5

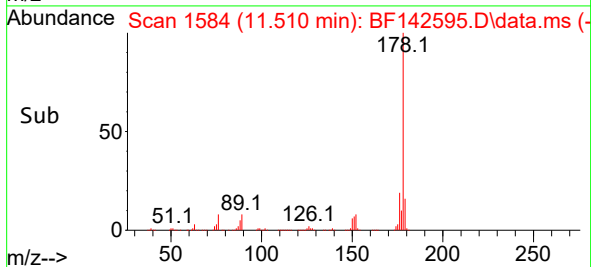
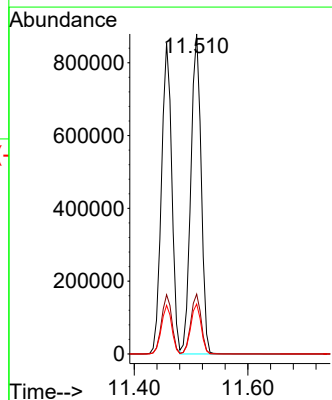
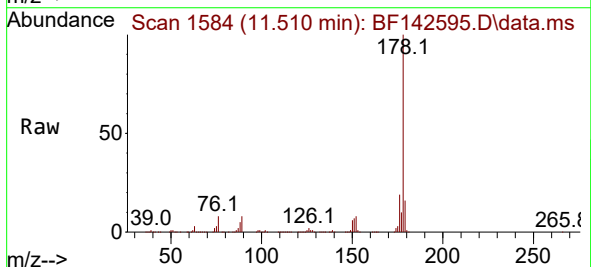
Manual Integrations  
APPROVED

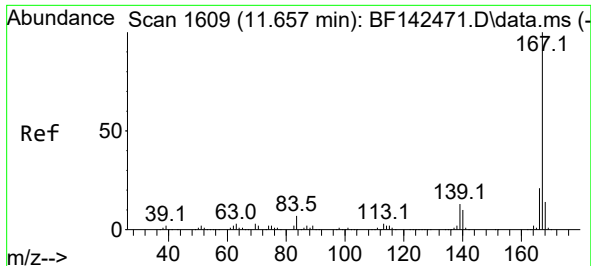
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025



#72  
Anthracene  
Concen: 43.228 ng  
RT: 11.510 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

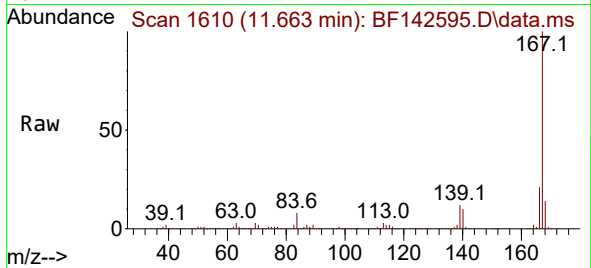
Tgt Ion:178 Resp: 1107034  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 21.8  
179 15.6 12.4 18.6





#73  
 Carbazole  
 Concen: 44.892 ng  
 RT: 11.663 min Scan# 1610  
 Delta R.T. 0.000 min  
 Lab File: BF142595.D  
 Acq: 02 Jun 2025 13:54

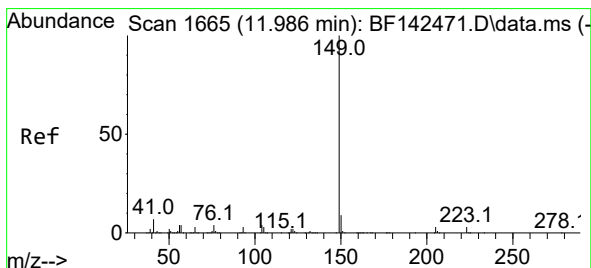
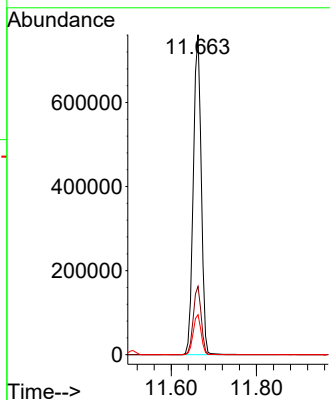
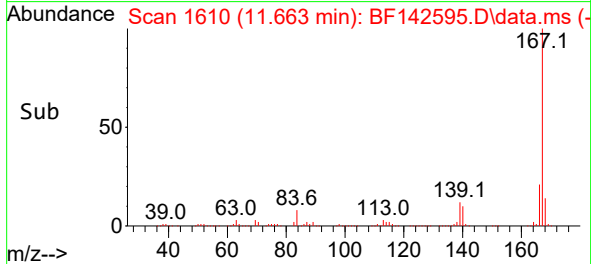
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168235BS



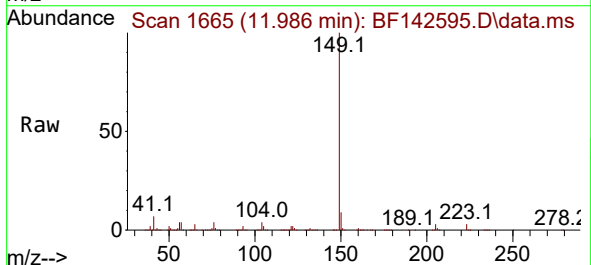
Tgt Ion:167 Resp: 98281  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 16.9 25.3  
 139 12.5 10.2 15.4

Manual Integrations  
 APPROVED

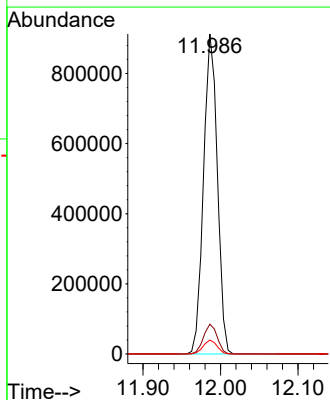
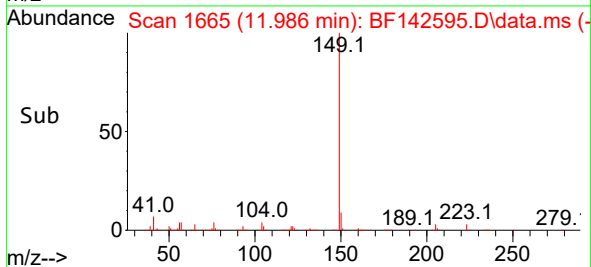
Reviewed By :Rahul Chavli 06/03/2025  
 Supervised By :Jagrut Upadhyay 06/03/2025



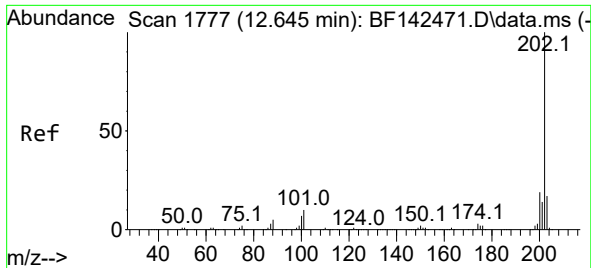
#74  
 Di-n-butylphthalate  
 Concen: 47.051 ng  
 RT: 11.986 min Scan# 1665  
 Delta R.T. -0.006 min  
 Lab File: BF142595.D  
 Acq: 02 Jun 2025 13:54



Tgt Ion:149 Resp: 1127520  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.3 10.9  
 104 4.4 3.6 5.4

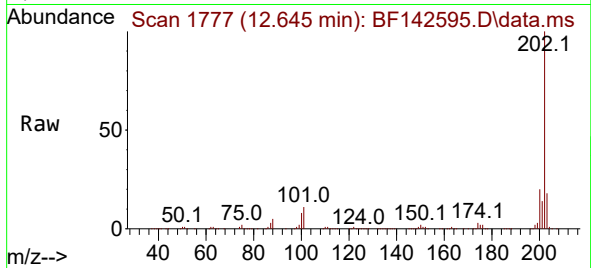






#75  
Fluoranthene  
Concen: 45.634 ng  
RT: 12.645 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

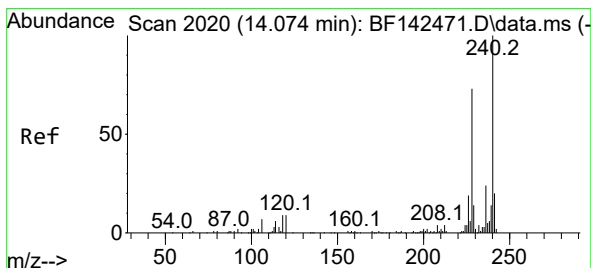
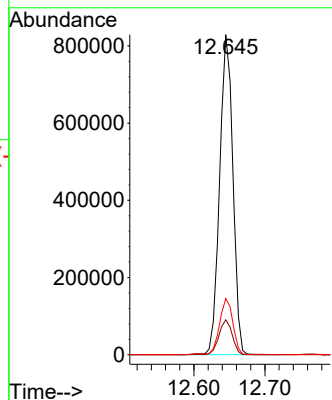
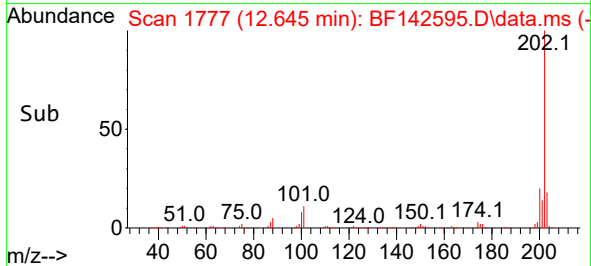
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



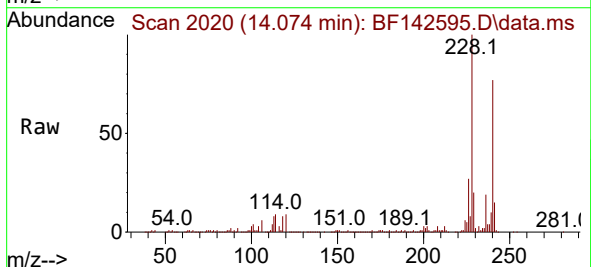
Tgt Ion:202 Resp: 1069949  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 29.6  
203 17.6 0.0 37.2

Manual Integrations  
APPROVED

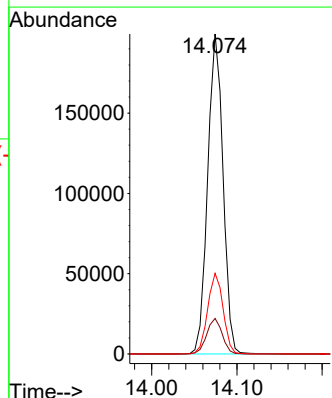
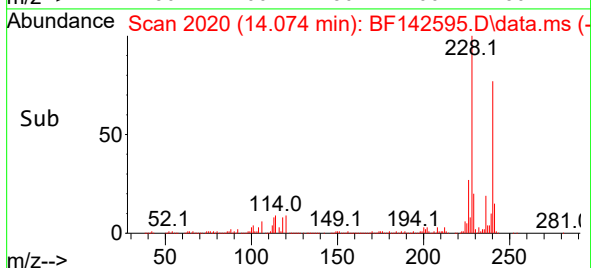
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

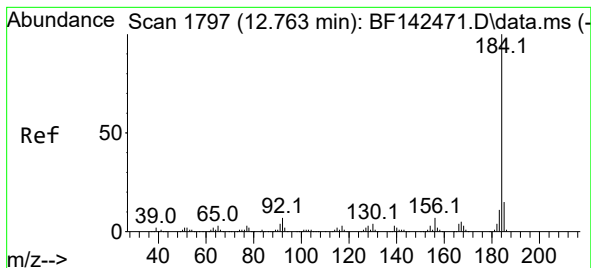


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.074 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:240 Resp: 249290  
Ion Ratio Lower Upper  
240 100  
120 11.1 7.5 11.3  
236 25.2 19.6 29.4





#77

Benzidine

Concen: 39.141 ng

RT: 12.763 min Scan# 1797

Delta R.T. 0.000 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

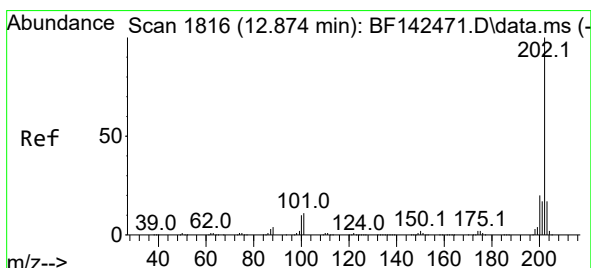
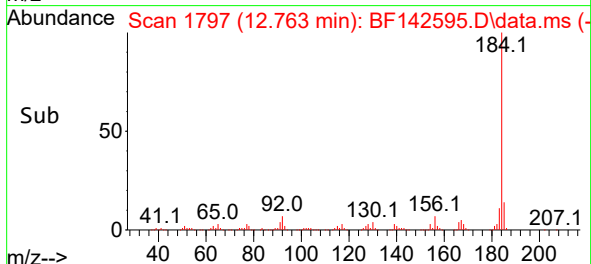
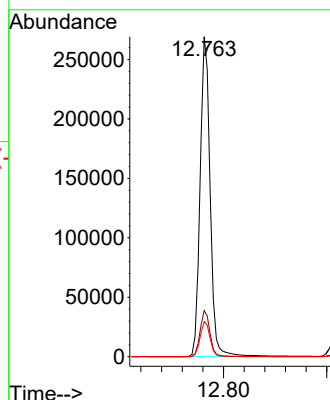
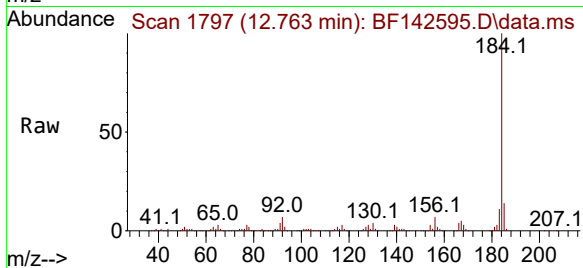
|             |                |
|-------------|----------------|
| Tgt Ion:184 | Resp: 363104   |
| Ion Ratio   | Lower Upper    |
| 184         | 100            |
| 185         | 14.4 11.6 17.4 |
| 183         | 10.9 9.0 13.4  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#78

Pyrene

Concen: 45.218 ng

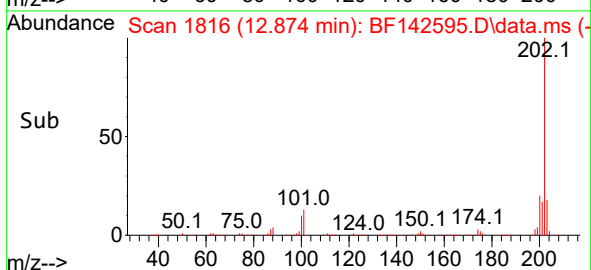
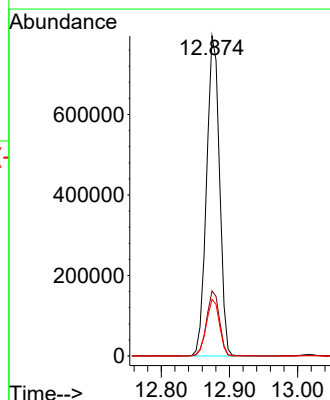
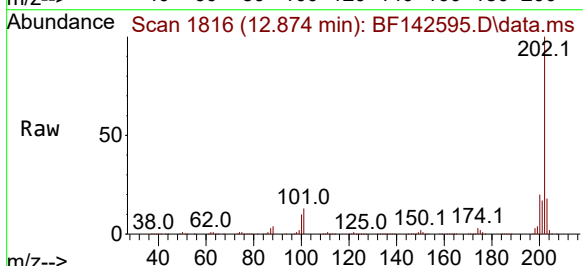
RT: 12.874 min Scan# 1816

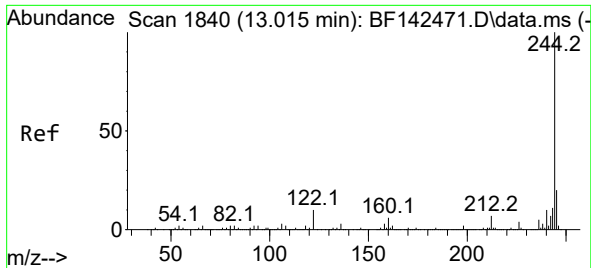
Delta R.T. 0.000 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

|             |                |
|-------------|----------------|
| Tgt Ion:202 | Resp: 1051541  |
| Ion Ratio   | Lower Upper    |
| 202         | 100            |
| 200         | 20.3 16.1 24.1 |
| 203         | 17.7 13.9 20.9 |





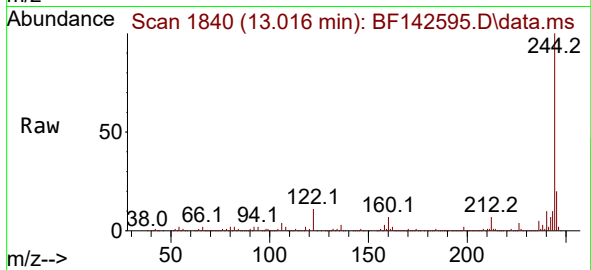
#79  
 Terphenyl-d14  
 Concen: 78.985 ng  
 RT: 13.016 min Scan# 1840  
 Delta R.T. 0.000 min  
 Lab File: BF142595.D  
 Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



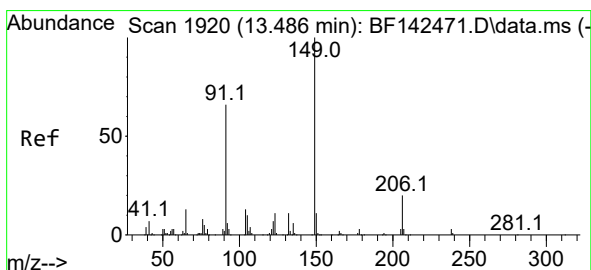
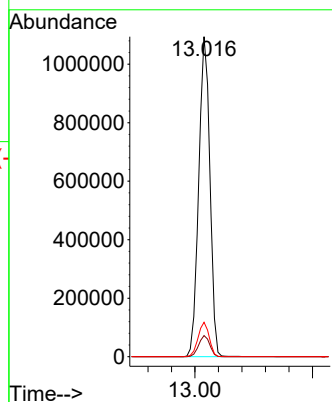
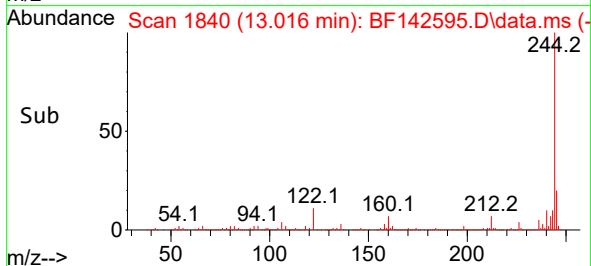
Tgt Ion:244 Resp: 1440878  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.3 7.9  
 122 10.8 8.2 12.2

Manual Integrations

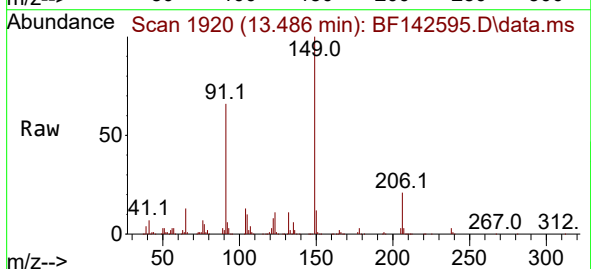
APPROVED

Reviewed By :Rahul Chavli 06/03/2025

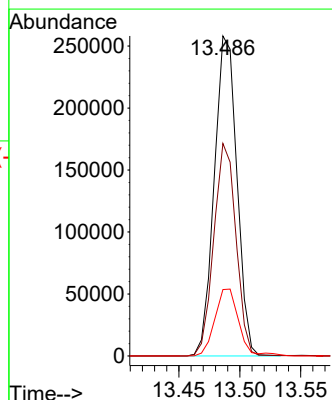
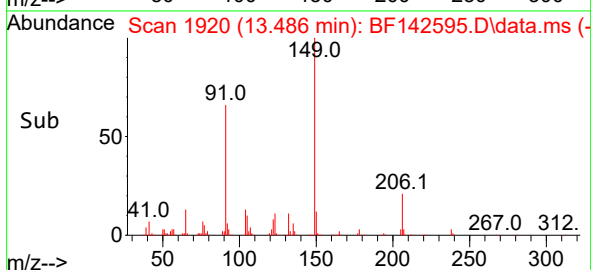
Supervised By :Jagrut Upadhyay 06/03/2025

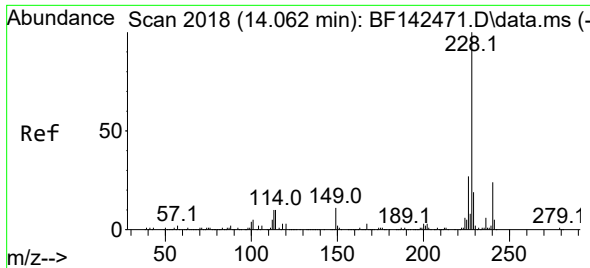


#80  
 Butylbenzylphthalate  
 Concen: 51.953 ng  
 RT: 13.486 min Scan# 1920  
 Delta R.T. -0.006 min  
 Lab File: BF142595.D  
 Acq: 02 Jun 2025 13:54



Tgt Ion:149 Resp: 333843  
 Ion Ratio Lower Upper  
 149 100  
 91 66.4 52.9 79.3  
 206 20.7 16.2 24.2





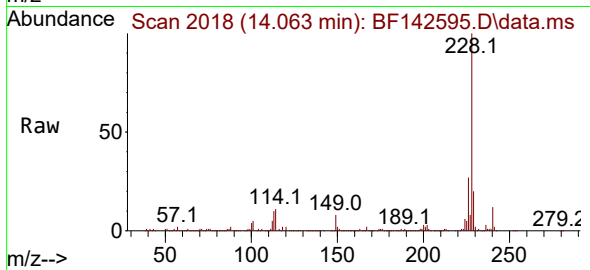
#81  
Benzo(a)anthracene  
Concen: 43.899 ng  
RT: 14.063 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS



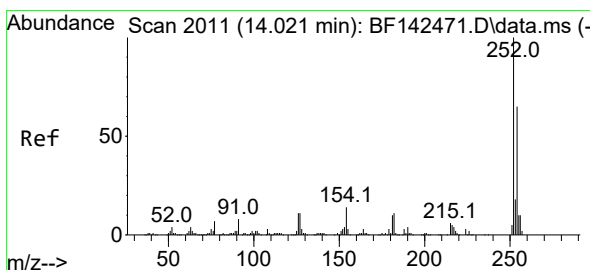
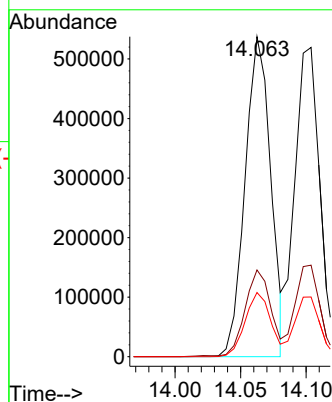
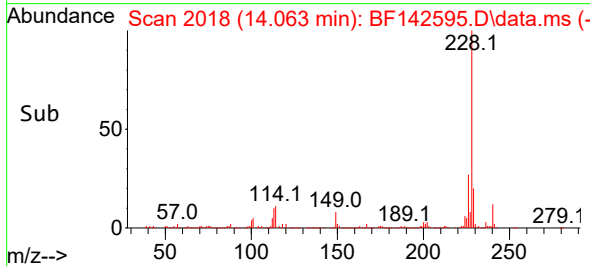
Tgt Ion:228 Resp: 73075  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.2 31.8  
229 20.0 15.5 23.3

Manual Integrations

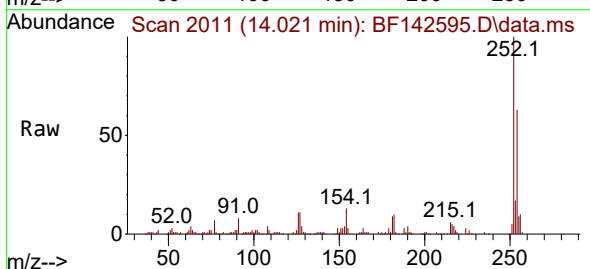
APPROVED

Reviewed By :Rahul Chavli 06/03/2025

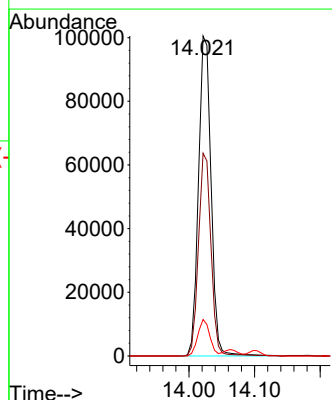
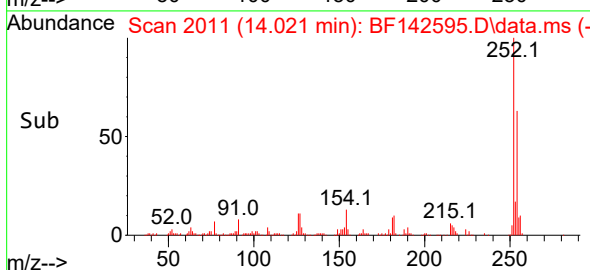
Supervised By :Jagrut Upadhyay 06/03/2025

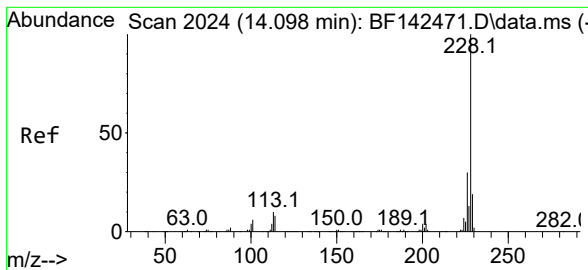


#82  
3,3'-Dichlorobenzidine  
Concen: 26.636 ng  
RT: 14.021 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:252 Resp: 134486  
Ion Ratio Lower Upper  
252 100  
254 63.4 52.0 78.0  
126 11.4 8.9 13.3





#83

Chrysene

Concen: 45.734 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

Tgt Ion:228 Resp: 684085

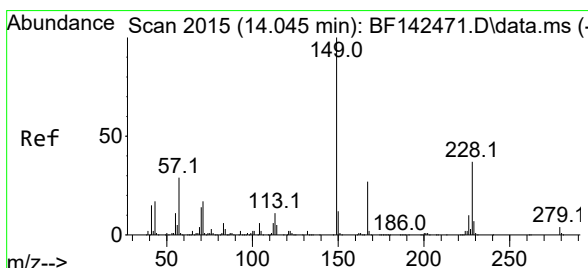
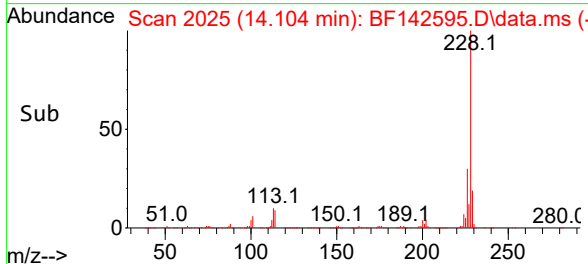
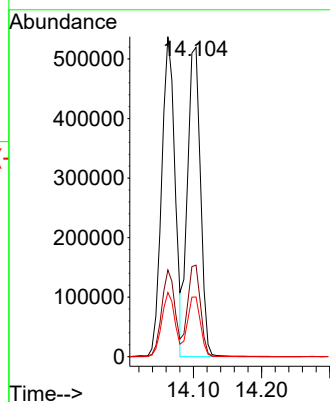
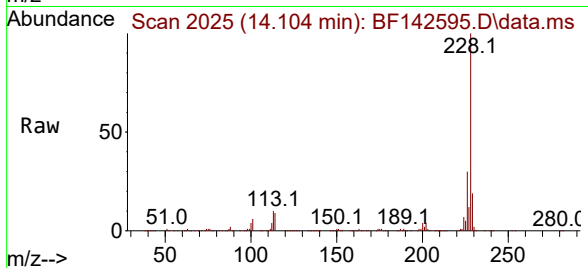
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.6  | 23.8  | 35.6  |
| 229 | 19.3  | 15.4  | 23.2  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.711 ng

RT: 14.045 min Scan# 2015

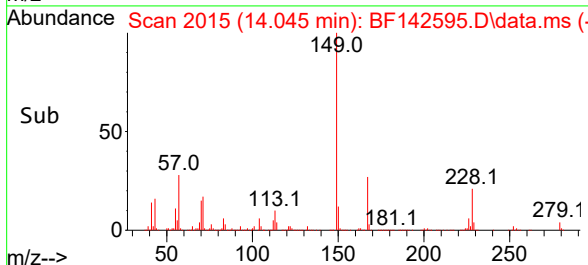
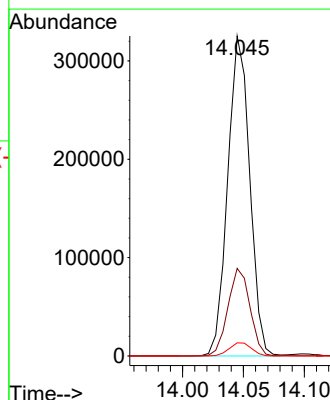
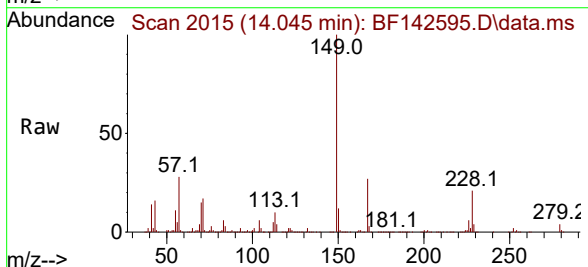
Delta R.T. -0.006 min

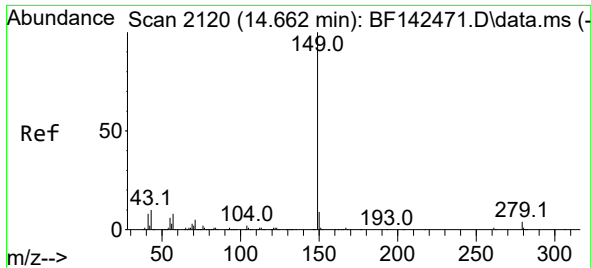
Lab File: BF142595.D

Acq: 02 Jun 2025 13:54

Tgt Ion:149 Resp: 408925

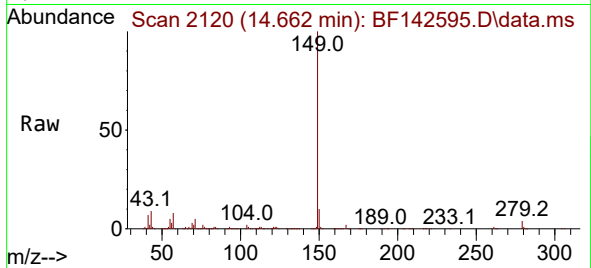
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.4  | 21.5  | 32.3  |
| 279 | 4.1   | 3.2   | 4.8   |





#85  
Di-n-octyl phthalate  
Concen: 43.803 ng  
RT: 14.662 min Scan# 2120  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

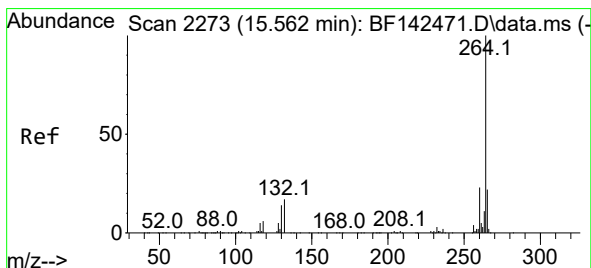
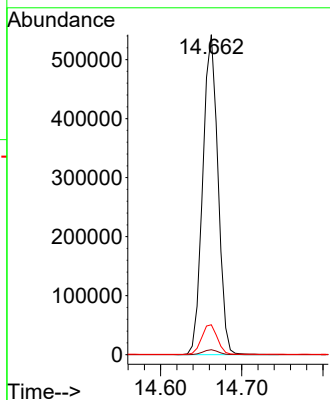
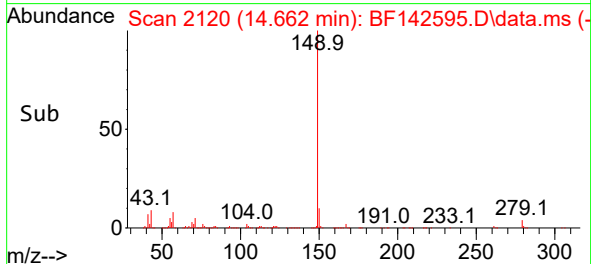
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



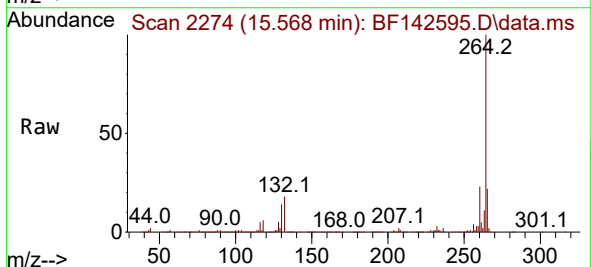
Tgt Ion:149 Resp: 70454  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.5 7.9 11.9

Manual Integrations  
APPROVED

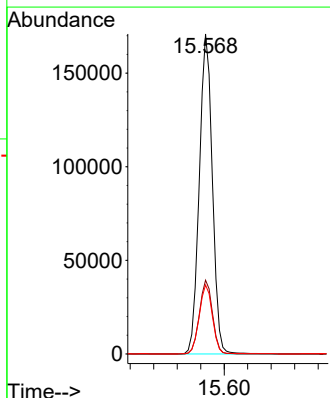
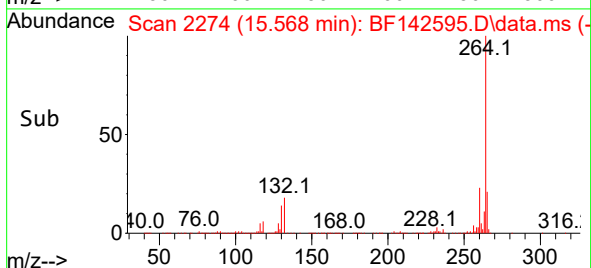
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

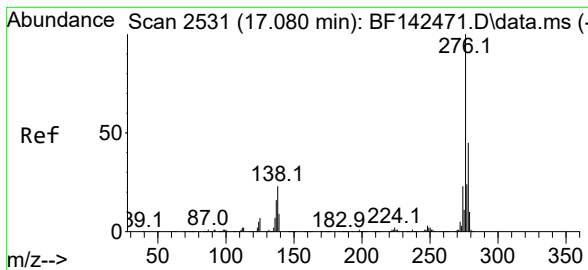


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.568 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



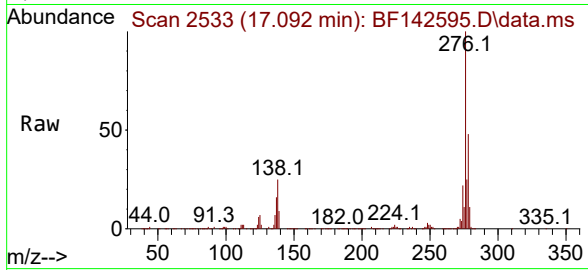
Tgt Ion:264 Resp: 263582  
Ion Ratio Lower Upper  
264 100  
260 23.1 18.6 28.0  
265 21.5 17.7 26.5





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 42.614 ng  
RT: 17.092 min Scan# 2153  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

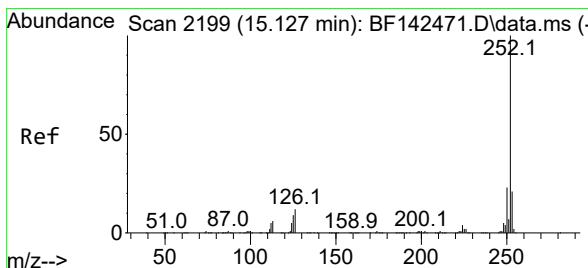
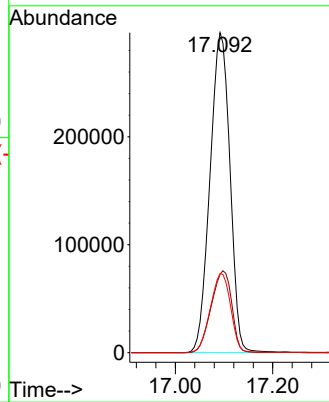
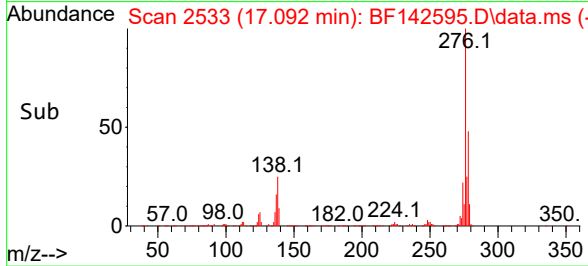
Instrument :  
BNA\_F  
ClientSampleId :  
PB168235BS



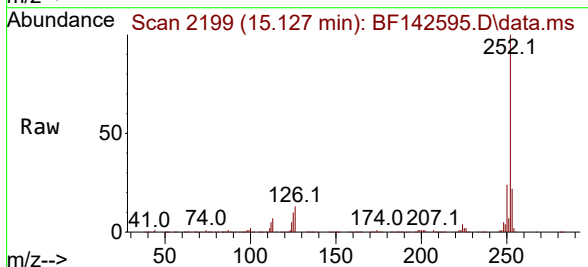
Tgt Ion:276 Resp: 843240  
Ion Ratio Lower Upper  
276 100  
138 26.5 19.9 29.9  
277 25.3 20.2 30.2

Manual Integrations  
APPROVED

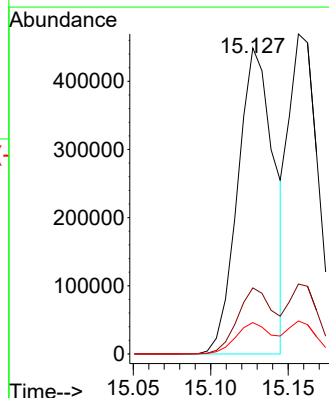
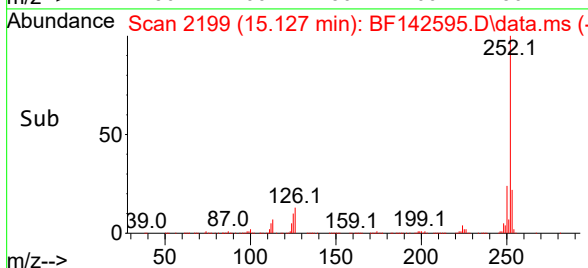
Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

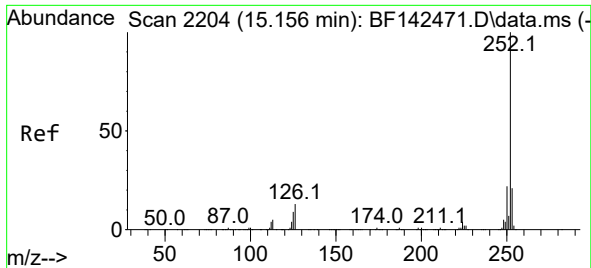


#88  
Benzo(b)fluoranthene  
Concen: 46.873 ng  
RT: 15.127 min Scan# 2199  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54



Tgt Ion:252 Resp: 731225  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.0 25.4  
125 10.3 7.4 11.0





#89  
Benzo(k)fluoranthene  
Concen: 42.107 ng  
RT: 15.157 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

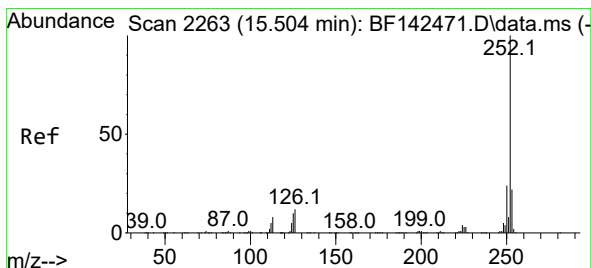
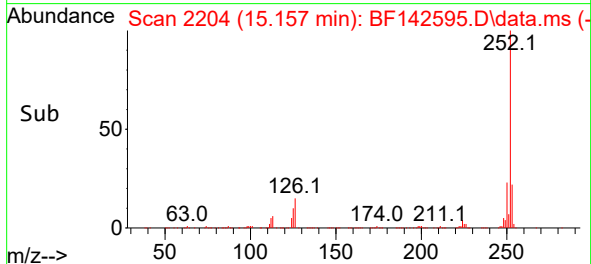
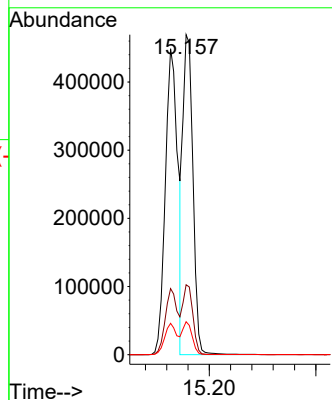
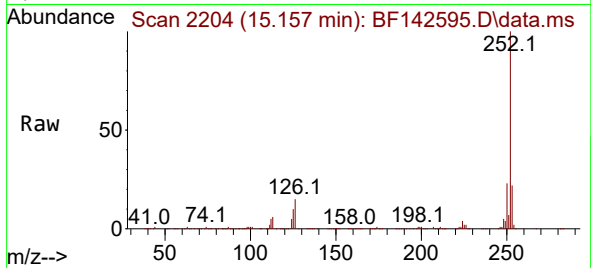
PB168235BS

Tgt Ion:252 Resp: 61523  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.0 25.4  
125 10.3 7.3 10.9

Manual Integrations

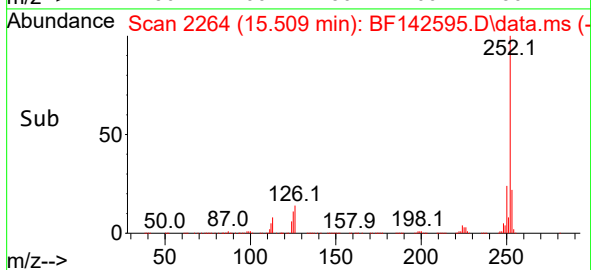
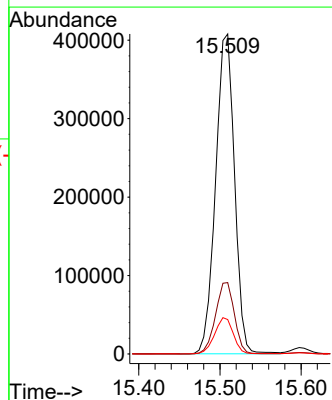
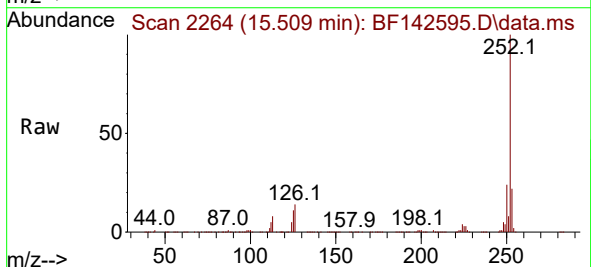
APPROVED

Reviewed By :Rahul Chavli 06/03/2025  
Supervised By :Jagrut Upadhyay 06/03/2025

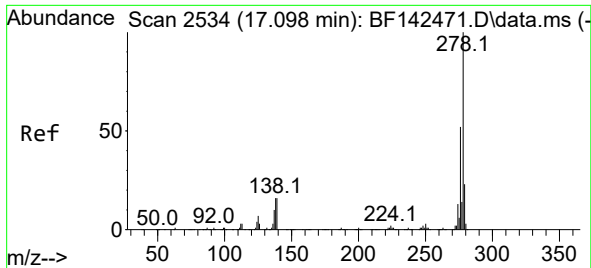


#90  
Benzo(a)pyrene  
Concen: 45.004 ng  
RT: 15.509 min Scan# 2264  
Delta R.T. 0.000 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:252 Resp: 661758  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.4 26.0  
125 10.7 7.9 11.9







#91  
Dibenzo(a,h)anthracene  
Concen: 43.063 ng  
RT: 17.109 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Instrument :

BNA\_F

ClientSampleId :

PB168235BS

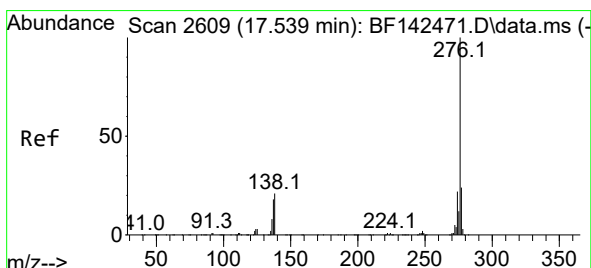
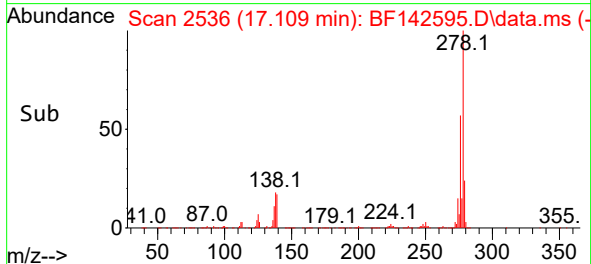
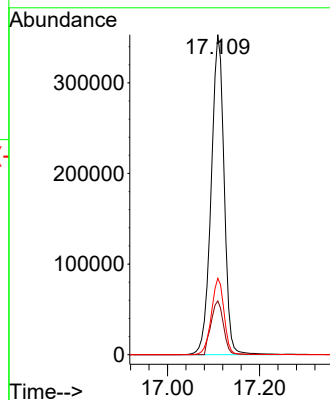
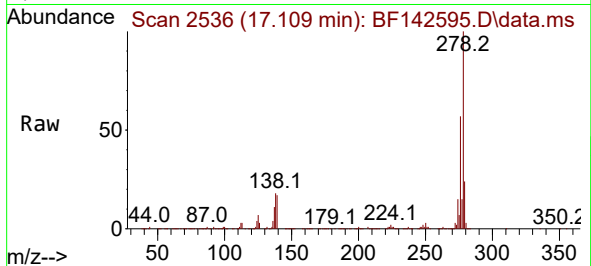
Tgt Ion:278 Resp: 691110  
Ion Ratio Lower Upper  
278 100  
139 16.8 12.8 19.2  
279 23.9 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/03/2025

Supervised By :Jagrut Upadhyay 06/03/2025



#92  
Benzo(g,h,i)perylene  
Concen: 42.564 ng  
RT: 17.551 min Scan# 2611  
Delta R.T. -0.006 min  
Lab File: BF142595.D  
Acq: 02 Jun 2025 13:54

Tgt Ion:276 Resp: 683261  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.2 28.8  
138 23.1 16.8 25.2

