

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052325\  
 Data File : BF142546.D  
 Acq On : 23 May 2025 20:25  
 Operator : RC/JU  
 Sample : Q2109-01MSD  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-02-MHFMSD

Manual Integrations  
 APPROVED

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

Quant Time: May 23 22:54:49 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  | 125774   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.187  | 136  | 433915   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.939  | 164  | 183522   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.427 | 188  | 278305   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.074 | 240  | 249276   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.568 | 264  | 193062   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 684576   | 91.700 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.528  | 99   | 828496   | 92.193 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.463  | 82   | 478640   | 60.149 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.728 | 330  | 175296   | 86.062 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.257  | 172  | 884875   | 64.700 | ng    | -0.01    |
| 79) Terphenyl-d14             | 13.010 | 244  | 789414   | 43.276 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.728  | 88   | 102881   | 34.439 | ng    | 99       |
| 3) Pyridine                   | 3.493  | 79   | 286356   | 37.642 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 161883   | 40.984 | ng    | 94       |
| 6) Aniline                    | 6.563  | 93   | 335075   | 27.730 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.681  | 128  | 323821   | 39.823 | ng    | 98       |
| 9) Benzaldehyde               | 6.451  | 77   | 196529   | 36.360 | ng    | 99       |
| 10) Phenol                    | 6.545  | 94   | 395271   | 39.090 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.634  | 93   | 291719   | 40.078 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.840  | 146  | 351057   | 38.690 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.916  | 146  | 350324   | 38.329 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.069  | 146  | 338097   | 38.659 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.040  | 79   | 259615   | 39.092 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175  | 45   | 470964   | 38.529 | ng    | 99       |
| 17) 2-Methylphenol            | 7.151  | 107  | 248634   | 39.164 | ng    | 100      |
| 18) Hexachloroethane          | 7.410  | 117  | 120062   | 37.620 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.310  | 70   | 210574   | 37.809 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.304  | 107  | 306279   | 37.673 | ng    | 97       |
| 22) Acetophenone              | 7.310  | 105  | 407031   | 42.375 | ng    | 99       |
| 24) Nitrobenzene              | 7.481  | 77   | 304815   | 42.471 | ng    | 99       |
| 25) Isophorone                | 7.722  | 82   | 542109   | 40.746 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.798  | 139  | 168825   | 44.023 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.834  | 122  | 287088   | 42.450 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.928  | 93   | 347613   | 41.826 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.039  | 162  | 249102   | 40.502 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.122  | 180  | 273810   | 41.022 | ng    | 98       |
| 31) Naphthalene               | 8.204  | 128  | 924796   | 43.284 | ng    | 100      |
| 32) Benzoic acid              | 7.945  | 122  | 175053   | 42.522 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.251  | 127  | 90260    | 10.426 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 170514   | 40.913 | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 73755    | 42.698 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.734  | 107  | 229426   | 36.399 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.892  | 142  | 532108   | 39.586 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.998  | 142  | 552439   | 39.733 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.063  | 216  | 246863   | 46.860 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.045  | 237  | 182543   | 51.365 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.175  | 196  | 162563   | 45.762 | ng    | 97       |

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Instrument :  
 BNA\_F  
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 TP-02-MHFMSD

Manual Integrations  
 APPROVED

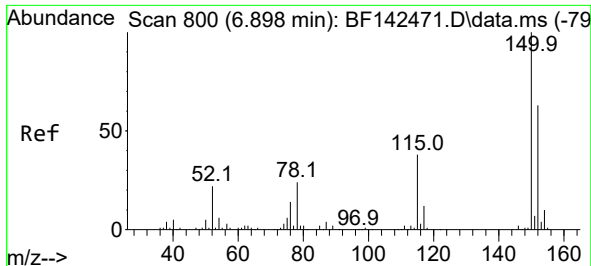
Reviewed By :Rahul Chavli 05/27/2025  
 Supervised By :Jagrut Upadhyay 05/27/2025

Quant Time: May 23 22:54:49 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) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.210  | 196  | 158413   | 42.283 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.357  | 154  | 668708   | 46.966 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.386  | 162  | 468397   | 44.526 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.481  | 65   | 136079   | 44.754 | ng    | 97       |
| 49) Acenaphthylene            | 9.804  | 152  | 773447   | 43.542 | ng    | 100      |
| 50) Dimethylphthalate         | 9.657  | 163  | 560234   | 46.264 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.722  | 165  | 115296   | 44.114 | ng    | 97       |
| 52) Acenaphthene              | 9.975  | 154  | 498983   | 46.004 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.886  | 138  | 77270    | 27.068 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 78350    | 58.025 | ng    | # 87     |
| 55) Dibenzofuran              | 10.145 | 168  | 683520   | 43.792 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 178857   | 84.915 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 145227   | 42.548 | ng    | 99       |
| 58) Fluorene                  | 10.486 | 166  | 538806   | 44.684 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.263 | 232  | 120920m  | 38.662 | ng    |          |
| 60) Diethylphthalate          | 10.357 | 149  | 510421   | 43.159 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.480 | 204  | 233164   | 39.362 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 99158    | 38.299 | ng    | 97       |
| 63) Azobenzene                | 10.639 | 77   | 453716   | 42.713 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 51994    | 33.476 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.598 | 169  | 413013   | 43.377 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.969 | 248  | 134666   | 40.923 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.033 | 284  | 143808   | 39.511 | ng    | 97       |
| 69) Atrazine                  | 11.122 | 200  | 123289   | 48.757 | ng    | 99       |
| 70) Pentachlorophenol         | 11.227 | 266  | 188441   | 91.704 | ng    | 99       |
| 71) Phenanthrene              | 11.451 | 178  | 923732   | 62.107 | ng    | 100      |
| 72) Anthracene                | 11.504 | 178  | 714116   | 47.046 | ng    | 100      |
| 73) Carbazole                 | 11.657 | 167  | 631894   | 48.695 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.986 | 149  | 706526   | 49.741 | ng    | 100      |
| 75) Fluoranthene              | 12.645 | 202  | 1033784  | 74.386 | ng    | 99       |
| 77) Benzidine                 | 12.763 | 184  | 390295   | 42.074 | ng    | 100      |
| 78) Pyrene                    | 12.874 | 202  | 1044033  | 44.897 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 327796   | 51.015 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.063 | 228  | 831808   | 49.972 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 159355   | 31.563 | ng    | 99       |
| 83) Chrysene                  | 14.098 | 228  | 739930   | 49.471 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 461617   | 56.120 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.663 | 149  | 752033   | 46.758 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.080 | 276  | 505350   | 34.866 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 711379   | 62.258 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.157 | 252  | 484127   | 45.237 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.504 | 252  | 539437   | 50.085 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.098 | 278  | 396291   | 33.712 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.539 | 276  | 410855   | 34.943 | ng    | 99       |

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





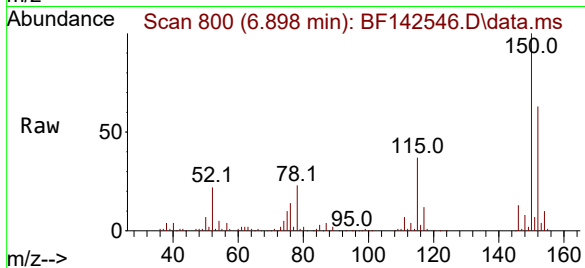
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.898 min Scan# 800  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

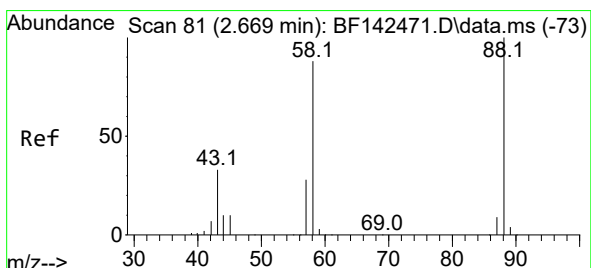
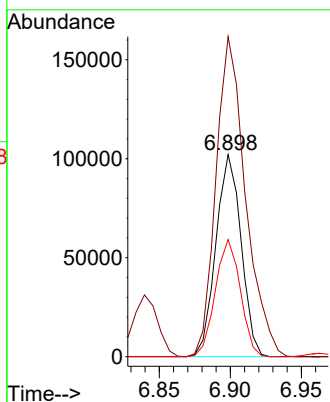
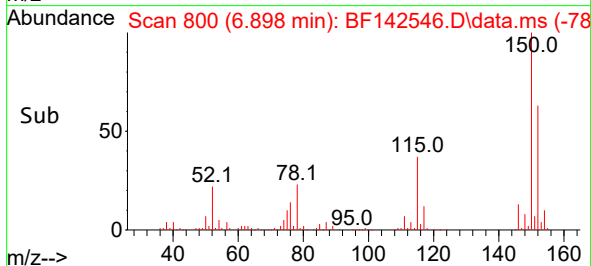


Tgt Ion:152 Resp: 125774  
Ion Ratio Lower Upper  
152 100  
150 158.4 128.2 192.4  
115 58.0 48.3 72.5

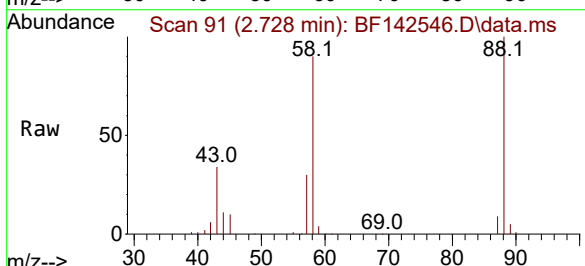
Manual Integrations

APPROVED

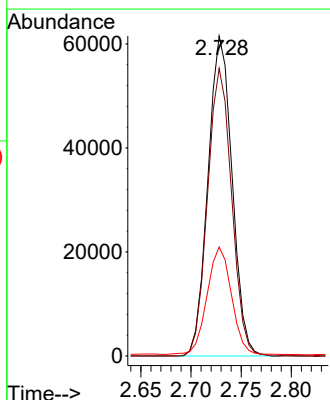
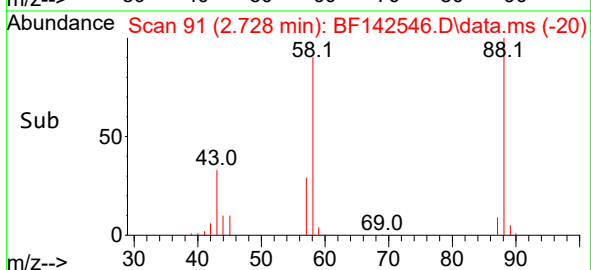
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

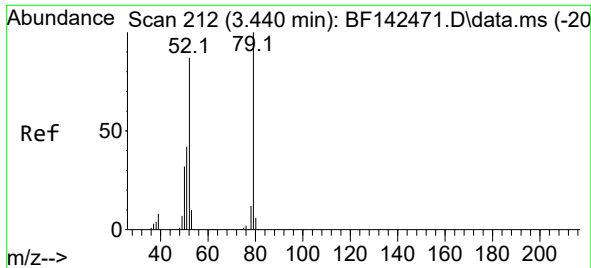


#2  
1,4-Dioxane  
Concen: 34.439 ng  
RT: 2.728 min Scan# 91  
Delta R.T. 0.065 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



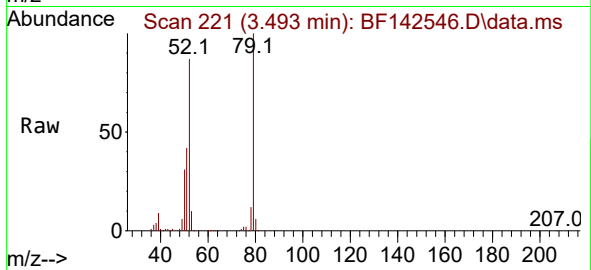
Tgt Ion: 88 Resp: 102881  
Ion Ratio Lower Upper  
88 100  
58 89.5 70.8 106.2  
43 34.4 26.6 40.0





#3  
Pyridine  
Concen: 37.642 ng  
RT: 3.493 min Scan# 212  
Delta R.T. 0.053 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

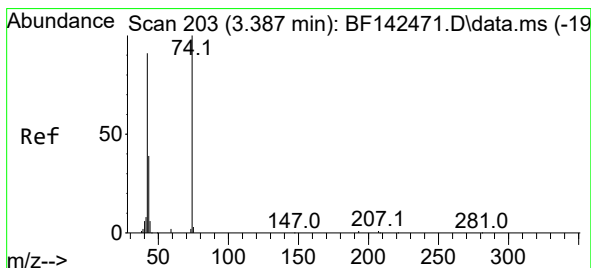
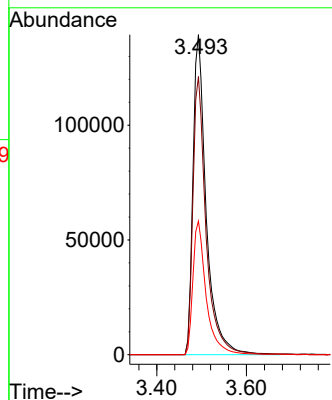
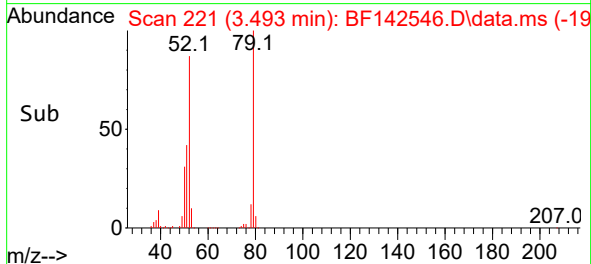
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion: 79 Resp: 286350  
Ion Ratio Lower Upper  
79 100  
52 86.9 69.2 103.8  
51 41.7 33.3 49.9

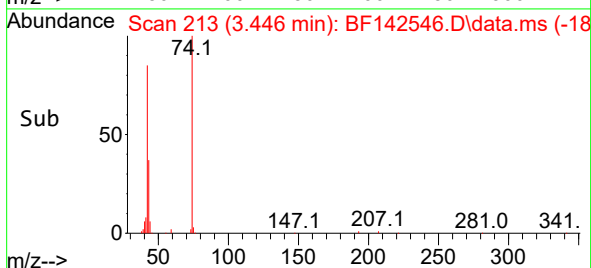
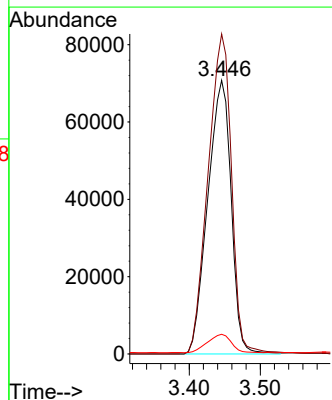
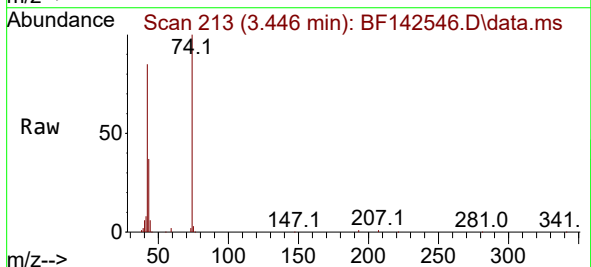
Manual Integrations  
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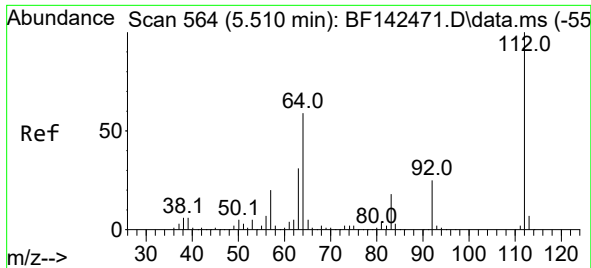
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#4  
n-Nitrosodimethylamine  
Concen: 40.984 ng  
RT: 3.446 min Scan# 213  
Delta R.T. 0.041 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

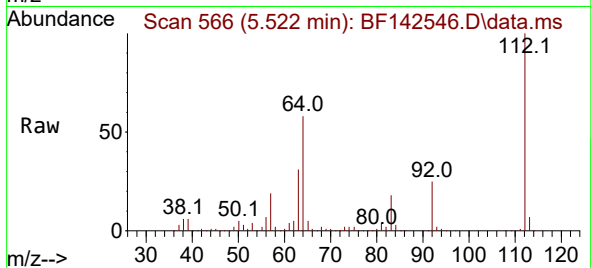
Tgt Ion: 42 Resp: 161883  
Ion Ratio Lower Upper  
42 100  
74 117.0 88.2 132.4  
44 7.2 5.4 8.2





#5  
2-Fluorophenol  
Concen: 91.700 ng  
RT: 5.522 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

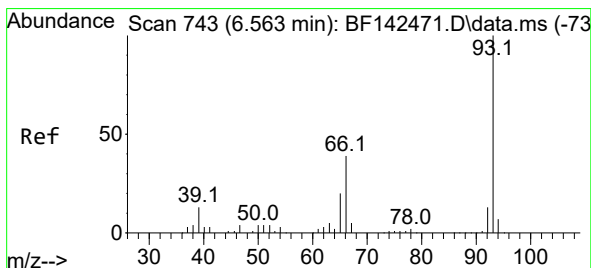
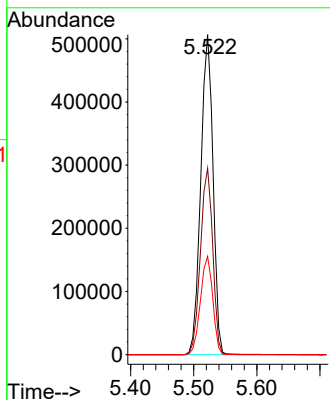
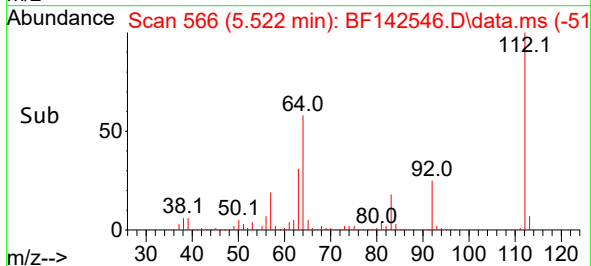
Instrument :  
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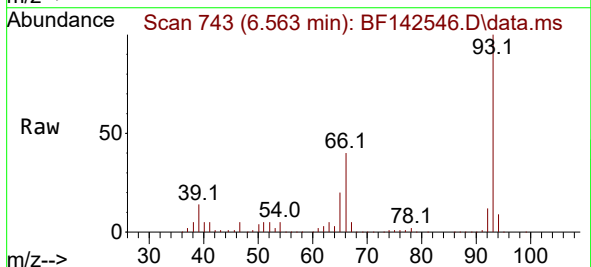
Tgt Ion:112 Resp: 684570  
Ion Ratio Lower Upper  
112 100  
64 58.2 47.5 71.3  
63 30.7 24.9 37.3

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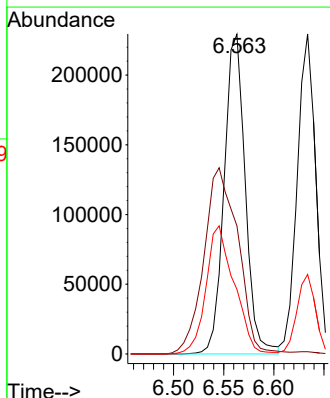
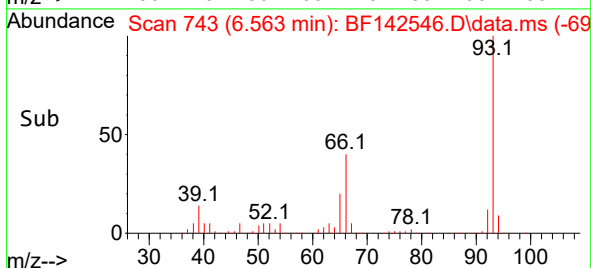
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

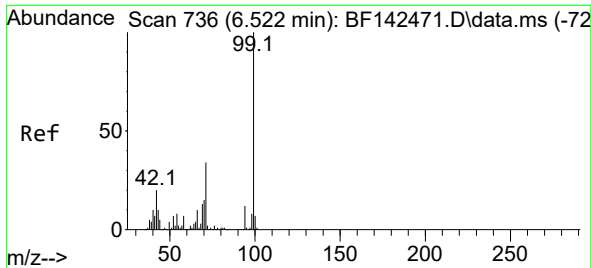


#6  
Aniline  
Concen: 27.730 ng  
RT: 6.563 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion: 93 Resp: 335075  
Ion Ratio Lower Upper  
93 100  
66 40.1 32.0 48.0  
65 20.2 16.1 24.1





#7

Phenol-d6

Concen: 92.193 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion: 99 Resp: 828490

Ion Ratio Lower Upper

99 100

42 19.9 16.2 24.2

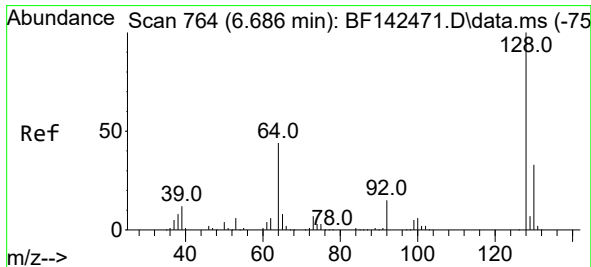
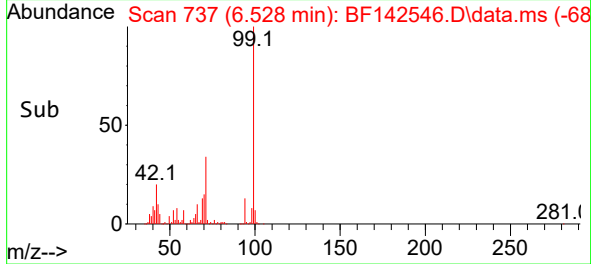
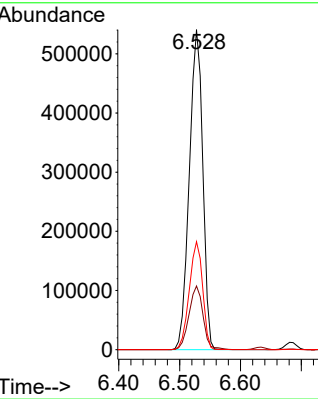
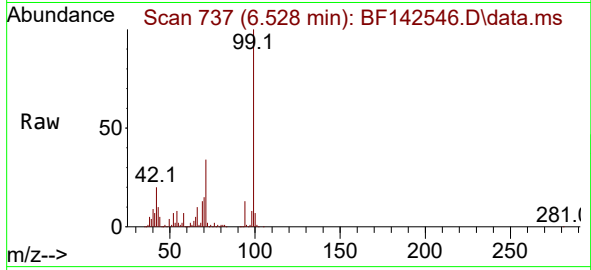
71 33.7 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#8

2-Chlorophenol

Concen: 39.823 ng

RT: 6.681 min Scan# 763

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

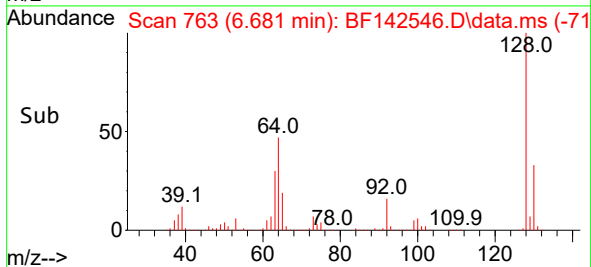
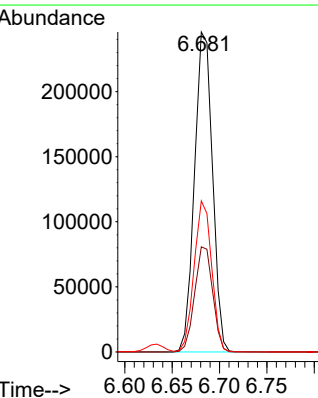
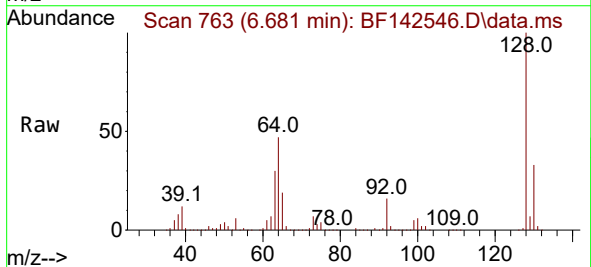
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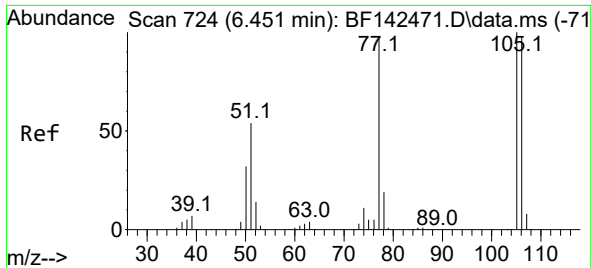
Ion Ratio Lower Upper

128 100

130 32.8 12.6 52.6

64 47.2 25.1 65.1





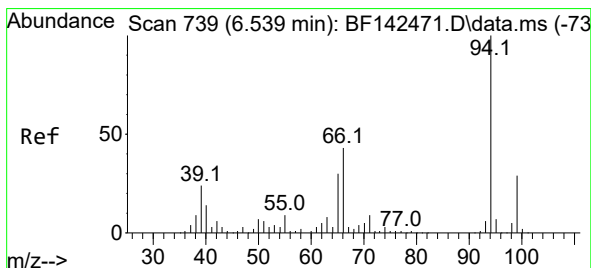
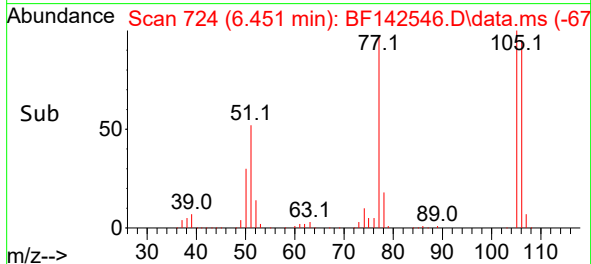
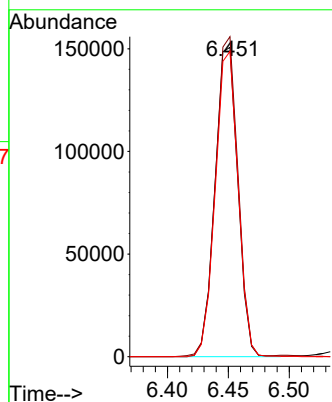
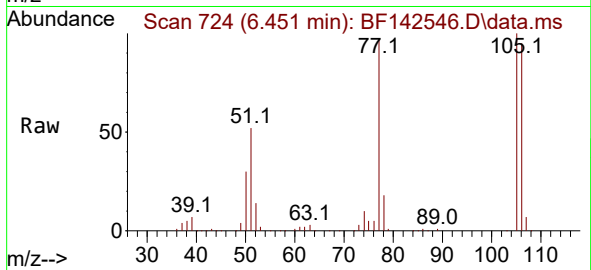
#9  
Benzaldehyde  
Concen: 36.360 ng  
RT: 6.451 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD

Tgt Ion: 77 Resp: 196529  
Ion Ratio Lower Upper  
77 100  
105 103.5 82.5 122.5  
106 98.7 80.0 120.0

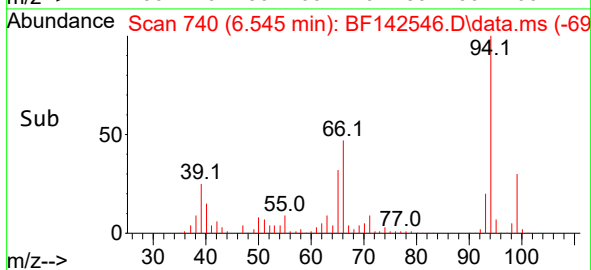
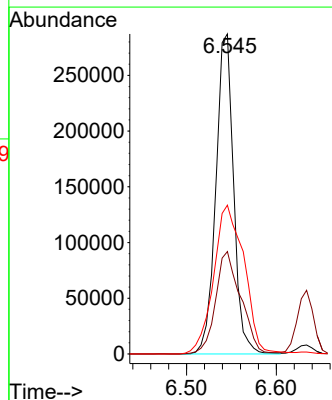
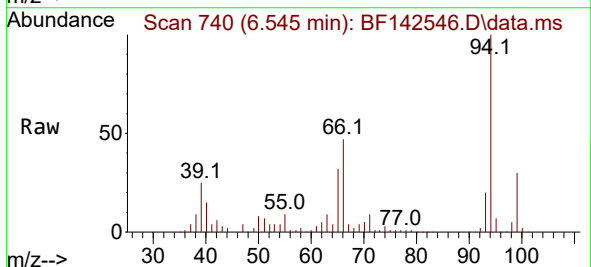
Manual Integrations  
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Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

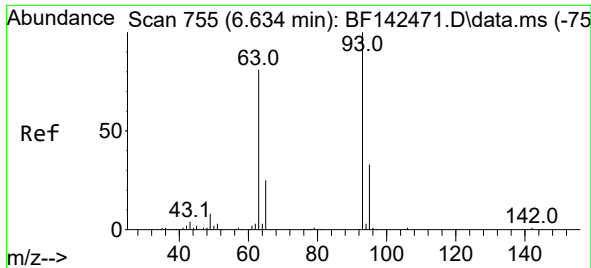


#10  
Phenol  
Concen: 39.090 ng  
RT: 6.545 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion: 94 Resp: 395271  
Ion Ratio Lower Upper  
94 100  
65 32.0 10.3 50.3  
66 46.5 22.6 62.6

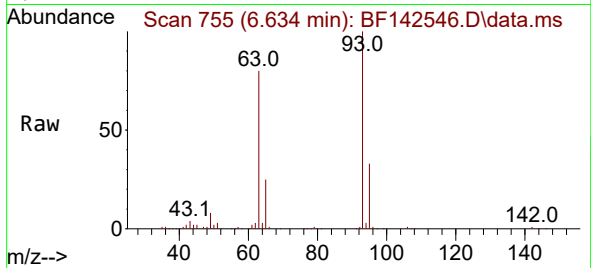






#11  
bis(2-Chloroethyl)ether  
Concen: 40.078 ng  
RT: 6.634 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

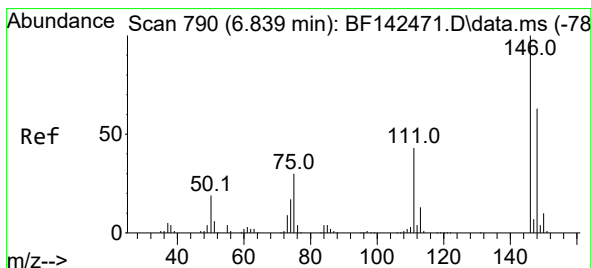
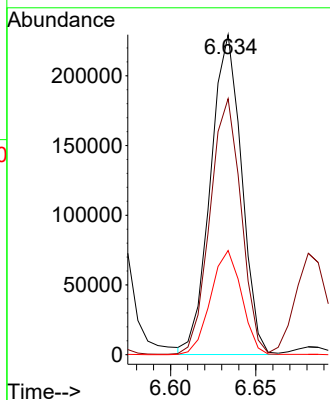
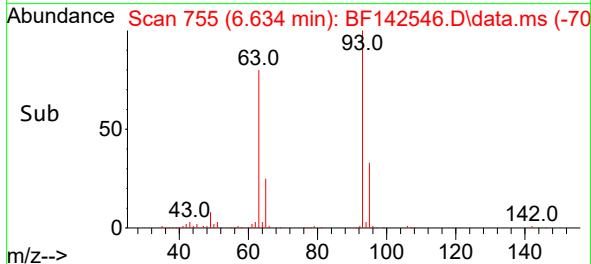
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



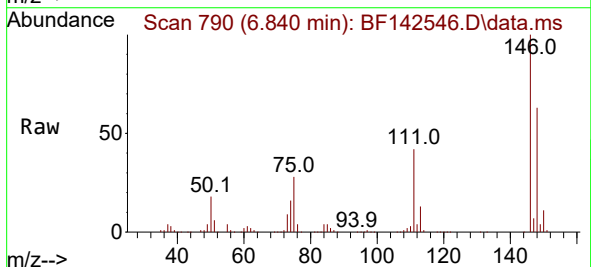
Tgt Ion: 93 Resp: 291719  
Ion Ratio Lower Upper  
93 100  
63 80.0 60.2 100.2  
95 32.6 12.3 52.3

Manual Integrations  
APPROVED

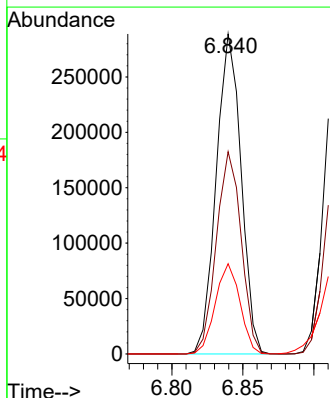
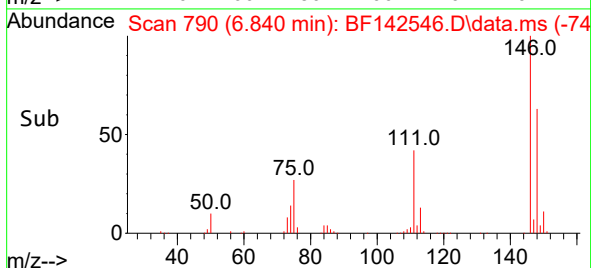
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

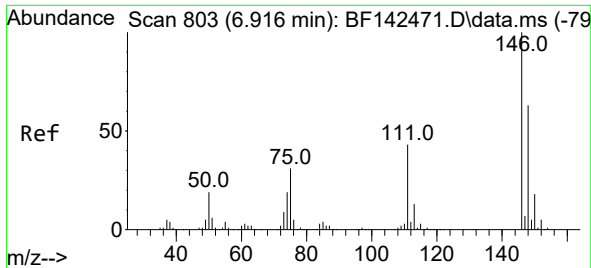


#12  
1,3-Dichlorobenzene  
Concen: 38.690 ng  
RT: 6.840 min Scan# 790  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:146 Resp: 351057  
Ion Ratio Lower Upper  
146 100  
148 63.2 50.6 75.8  
75 28.2 23.8 35.6





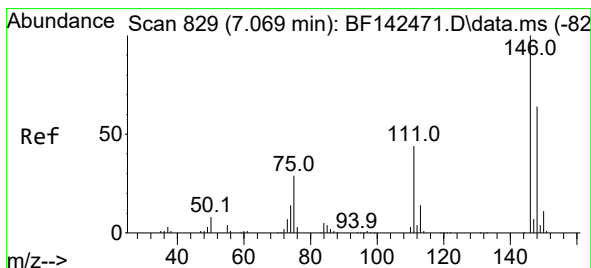
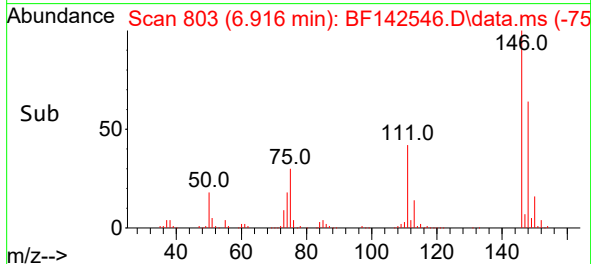
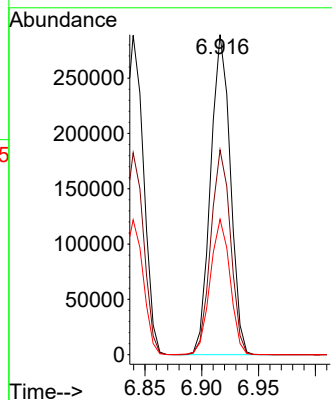
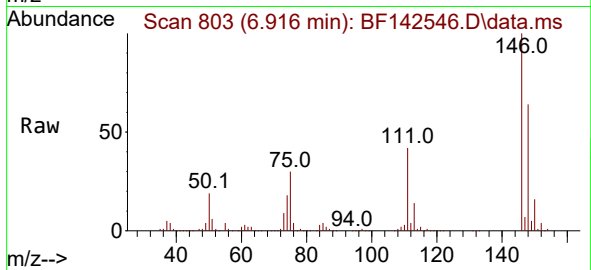
#13  
1,4-Dichlorobenzene  
Concen: 38.329 ng  
RT: 6.916 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD

Tgt Ion:146 Resp: 350324  
Ion Ratio Lower Upper  
146 100  
148 64.0 50.4 75.6  
111 42.3 34.1 51.1

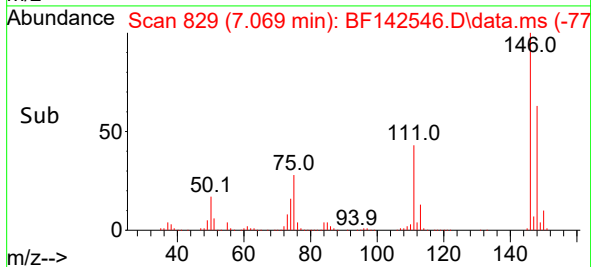
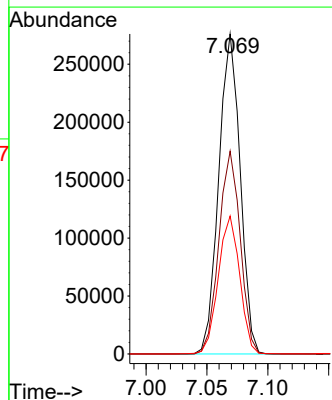
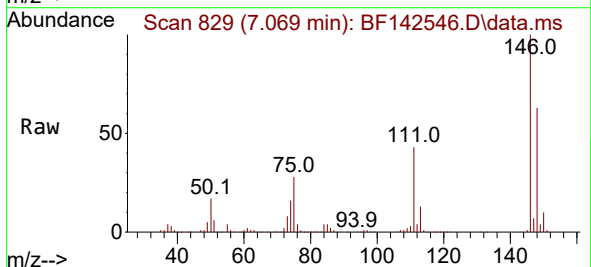
Manual Integrations  
APPROVED

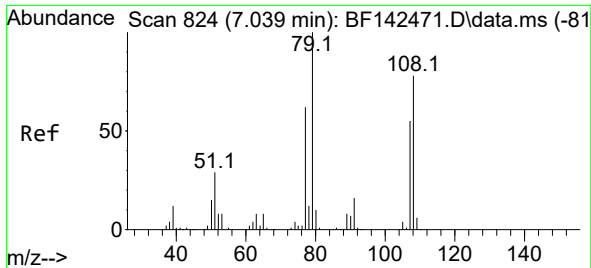
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#14  
1,2-Dichlorobenzene  
Concen: 38.659 ng  
RT: 7.069 min Scan# 829  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

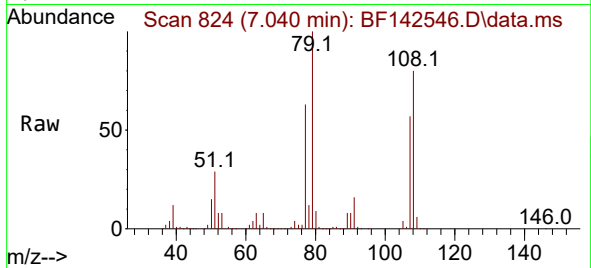
Tgt Ion:146 Resp: 338097  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.0 76.4  
111 43.1 35.0 52.6





#15  
Benzyl Alcohol  
Concen: 39.092 ng  
RT: 7.040 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

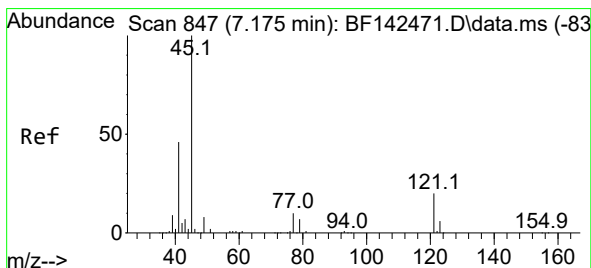
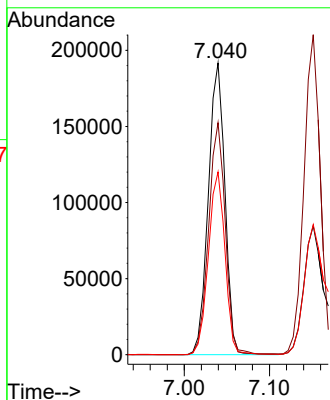
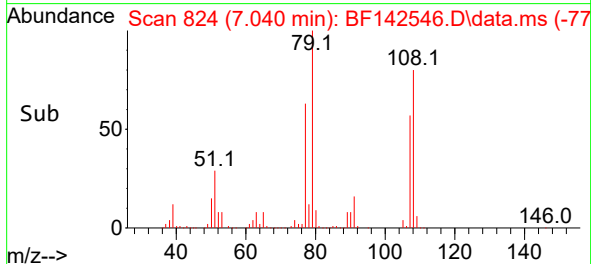
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion: 79 Resp: 25961  
Ion Ratio Lower Upper  
79 100  
108 79.5 62.1 93.1  
77 62.6 49.5 74.3

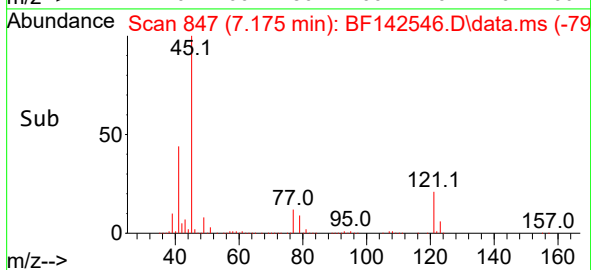
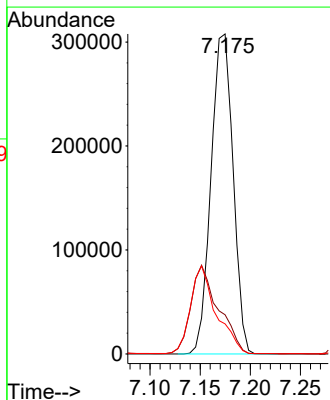
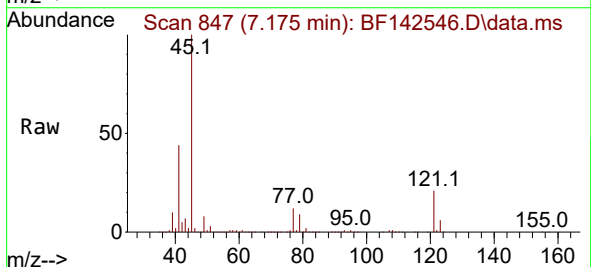
Manual Integrations  
APPROVED

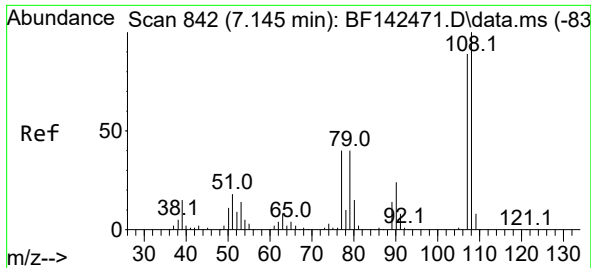
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.529 ng  
RT: 7.175 min Scan# 847  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

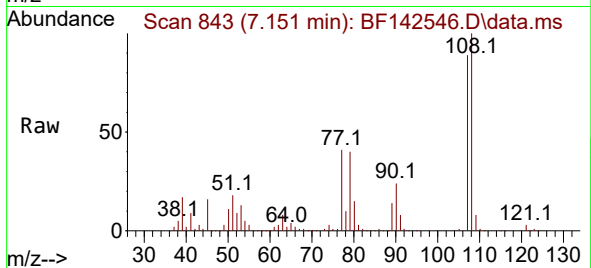
Tgt Ion: 45 Resp: 470964  
Ion Ratio Lower Upper  
45 100  
77 12.3 0.0 32.0  
79 9.4 0.0 29.2





#17  
2-Methylphenol  
Concen: 39.164 ng  
RT: 7.151 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

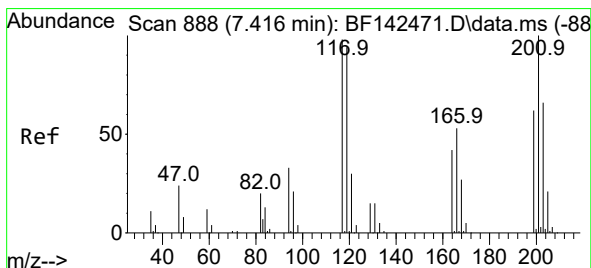
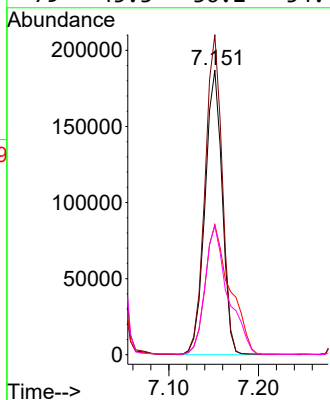
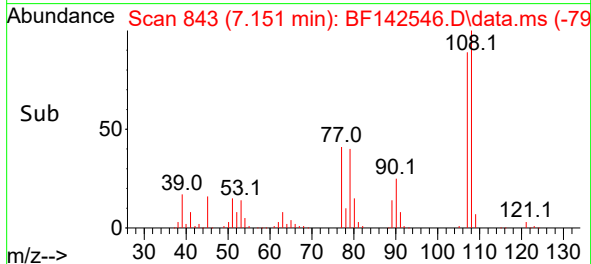
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



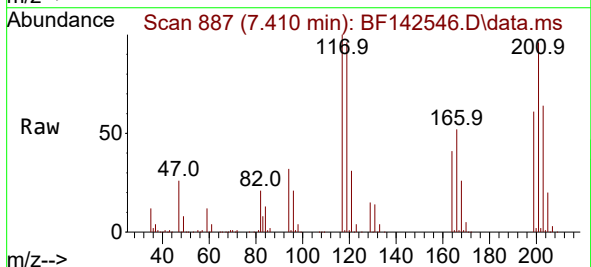
Tgt Ion:107 Resp: 248634  
Ion Ratio Lower Upper  
107 100  
108 112.5 90.2 135.2  
77 45.7 36.1 54.1  
79 45.3 36.2 54.4

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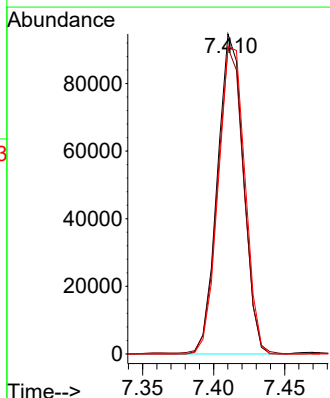
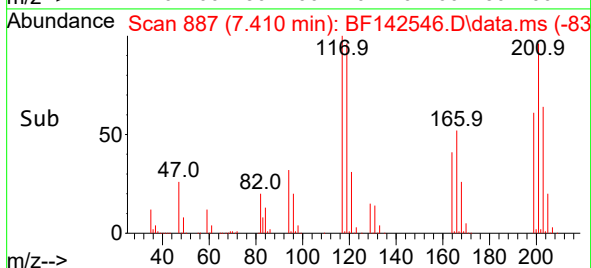
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

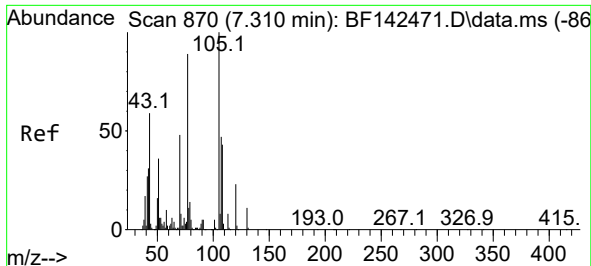


#18  
Hexachloroethane  
Concen: 37.620 ng  
RT: 7.410 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:117 Resp: 120062  
Ion Ratio Lower Upper  
117 100  
119 95.7 76.6 114.8  
201 96.1 81.3 121.9





#19

n-Nitroso-di-n-propylamine

Concen: 37.809 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF142546.D

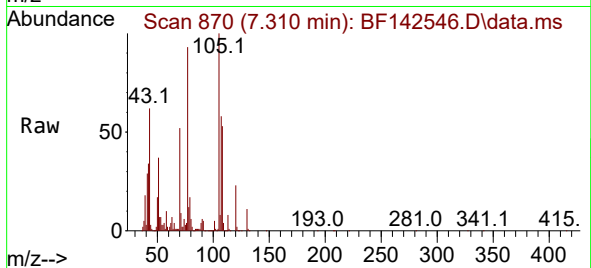
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD



Tgt Ion: 70 Resp: 210574

Ion Ratio Lower Upper

70 100

42 64.7 52.4 78.6

101 9.7 7.8 11.8

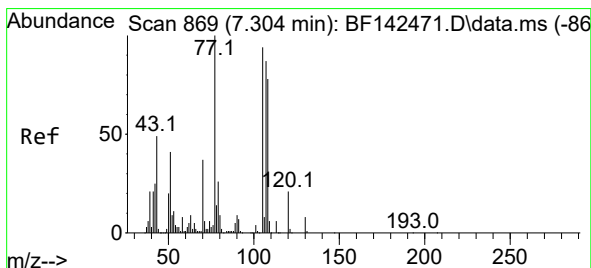
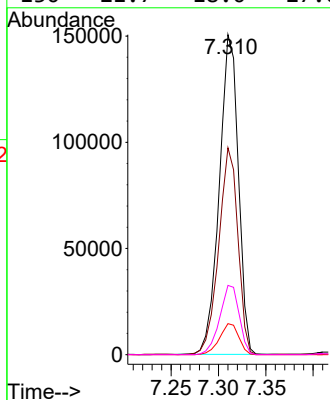
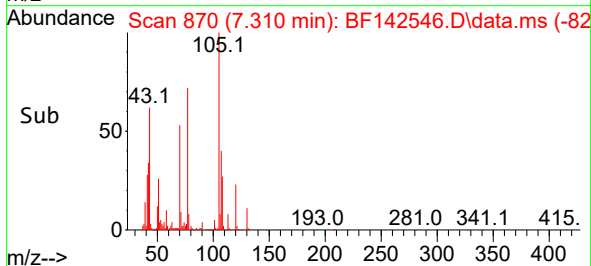
130 21.7 18.0 27.0

Manual Integrations

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Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#20

3+4-Methylphenols

Concen: 37.673 ng

RT: 7.304 min Scan# 869

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Tgt Ion:107 Resp: 306279

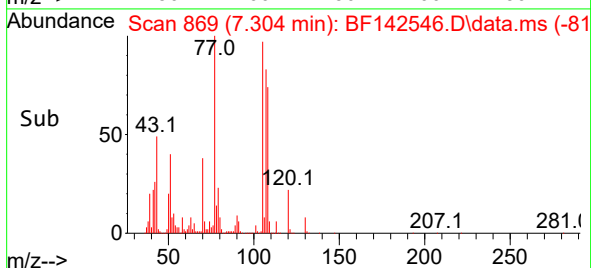
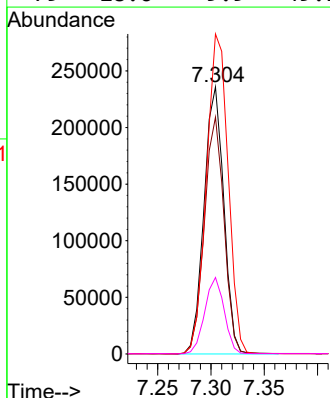
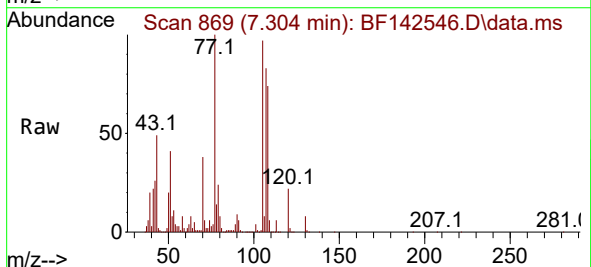
Ion Ratio Lower Upper

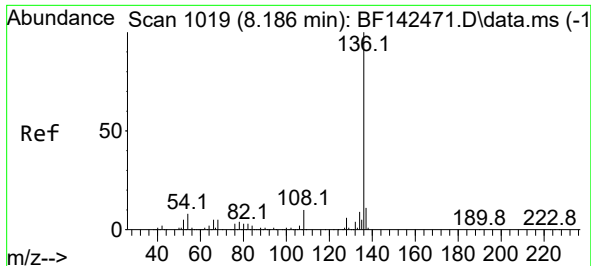
107 100

108 88.7 70.4 110.4

77 119.8 95.4 135.4

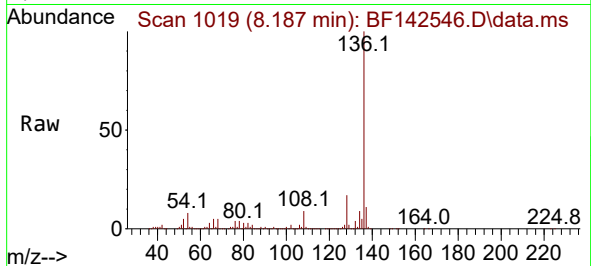
79 28.6 9.9 49.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.187 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

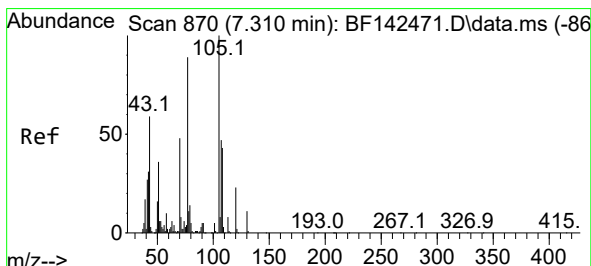
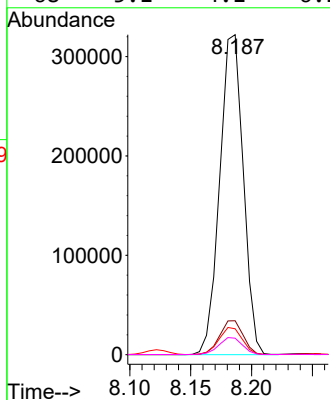
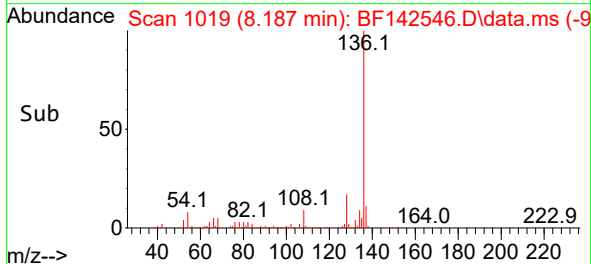
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:136 Resp: 433915  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 8.1 6.6 10.0  
68 5.1 4.1 6.1

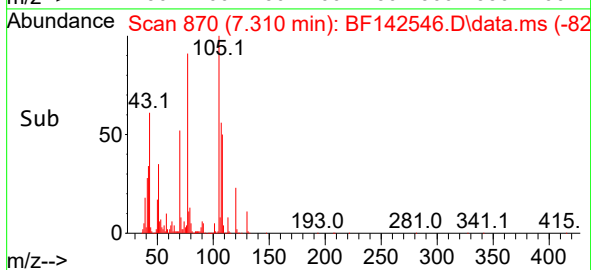
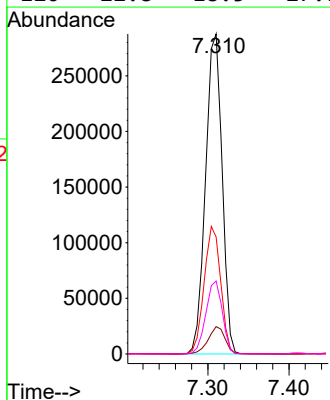
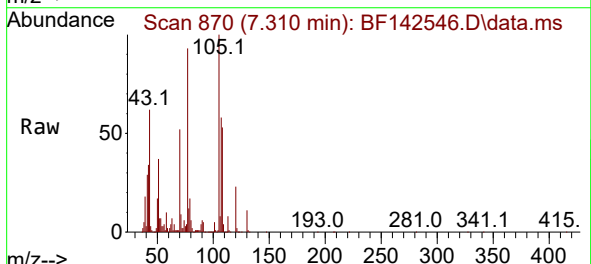
Manual Integrations  
APPROVED

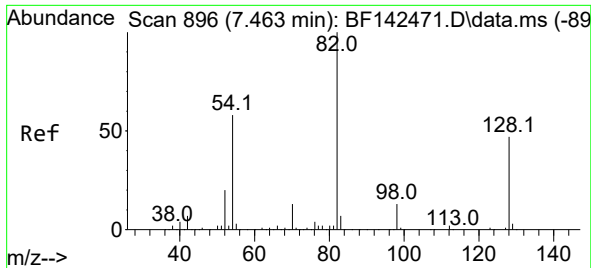
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#22  
Acetophenone  
Concen: 42.375 ng  
RT: 7.310 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:105 Resp: 407031  
Ion Ratio Lower Upper  
105 100  
71 8.5 6.4 9.6  
51 36.6 28.6 42.8  
120 22.8 18.5 27.7





#23  
Nitrobenzene-d5  
Concen: 60.149 ng  
RT: 7.463 min Scan# 896  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

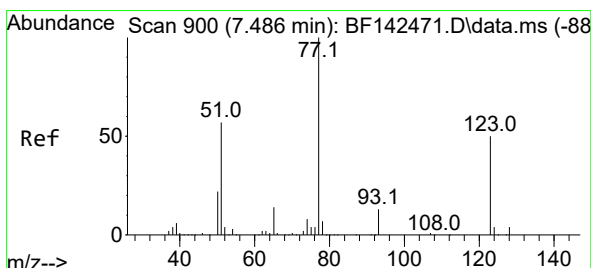
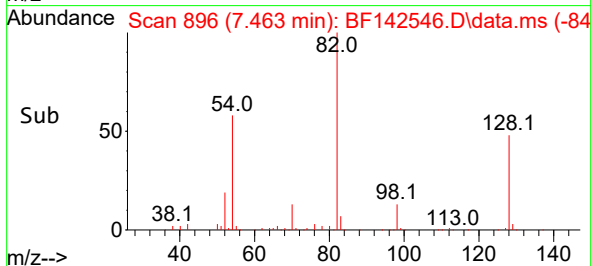
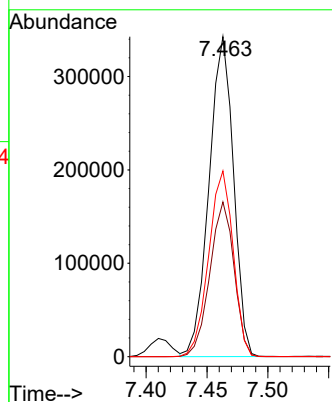
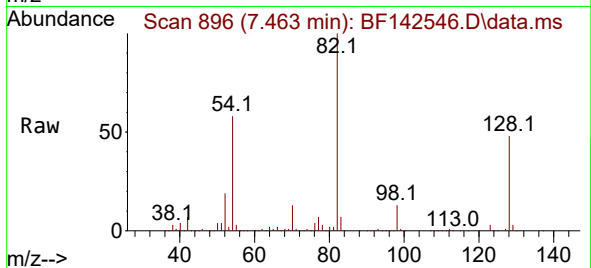
TP-02-MHFMSD

Tgt Ion: 82 Resp: 478640  
Ion Ratio Lower Upper  
82 100  
128 48.3 37.4 56.2  
54 58.1 46.6 70.0

Manual Integrations

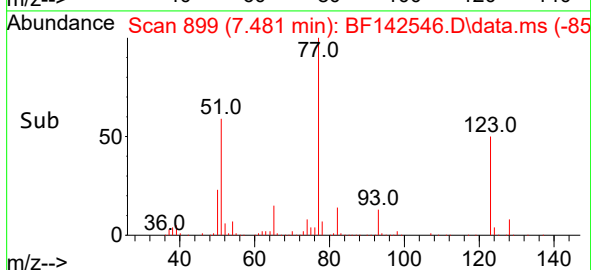
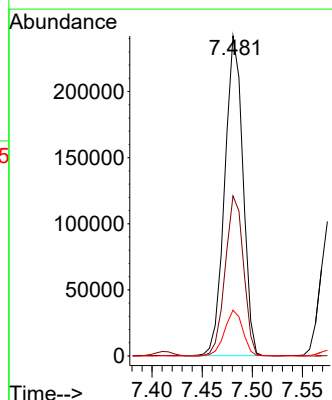
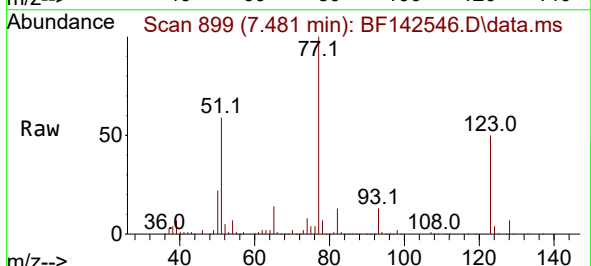
APPROVED

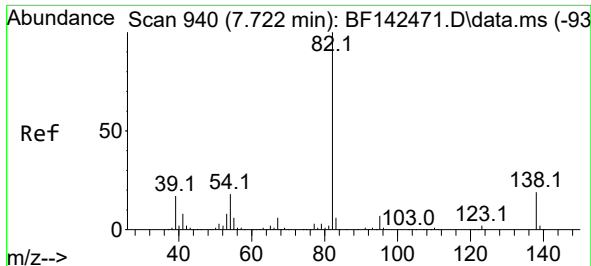
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#24  
Nitrobenzene  
Concen: 42.471 ng  
RT: 7.481 min Scan# 899  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion: 77 Resp: 304815  
Ion Ratio Lower Upper  
77 100  
123 50.0 40.6 61.0  
65 14.3 11.4 17.2





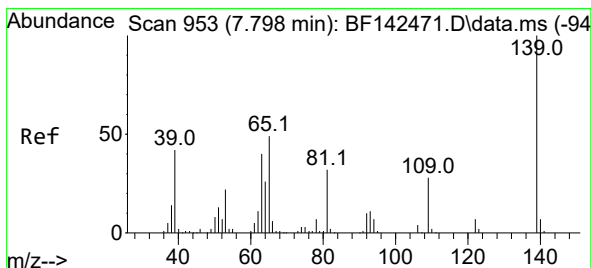
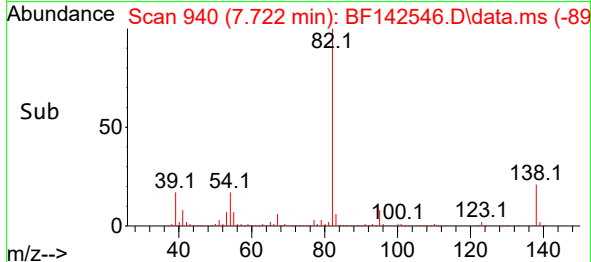
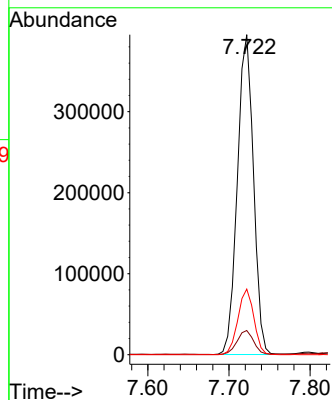
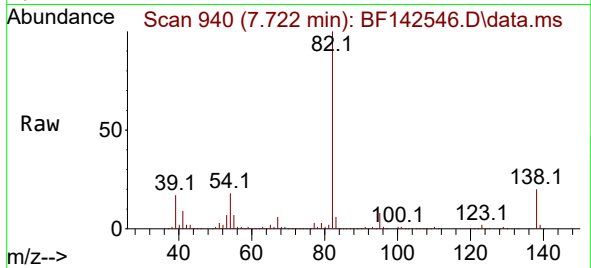
#25  
Isophorone  
Concen: 40.746 ng  
RT: 7.722 min Scan# 940  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD

Tgt Ion: 82 Resp: 542109  
Ion Ratio Lower Upper  
82 100  
95 7.6 6.0 9.0  
138 20.5 15.5 23.3

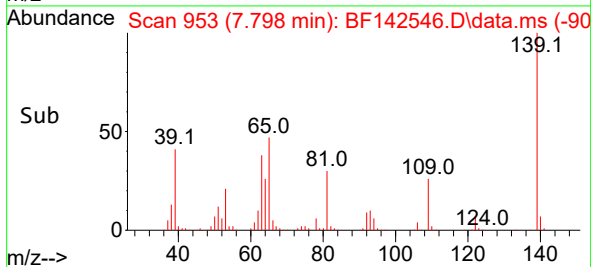
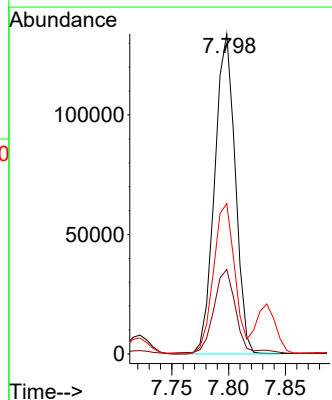
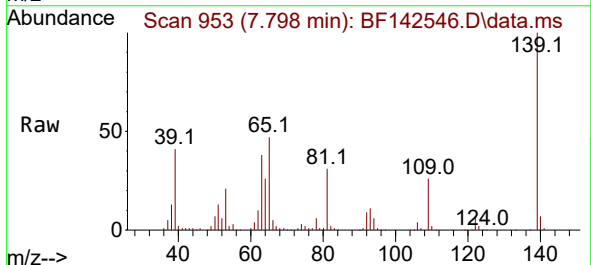
Manual Integrations  
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Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

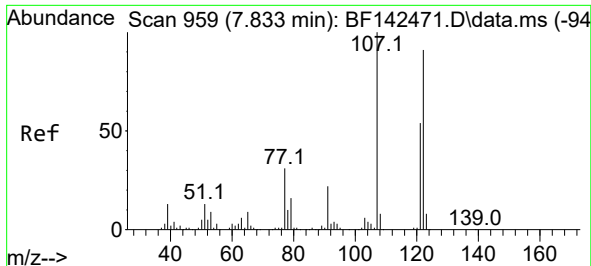


#26  
2-Nitrophenol  
Concen: 44.023 ng  
RT: 7.798 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:139 Resp: 168825  
Ion Ratio Lower Upper  
139 100  
109 26.4 22.6 33.8  
65 47.0 39.4 59.0

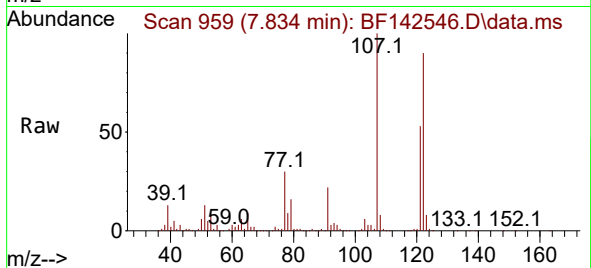






#27  
2,4-Dimethylphenol  
Concen: 42.450 ng  
RT: 7.834 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

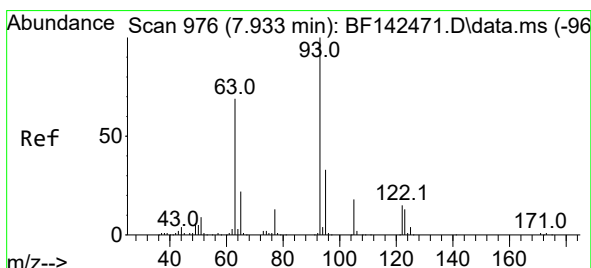
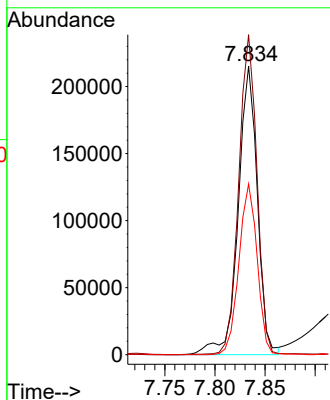
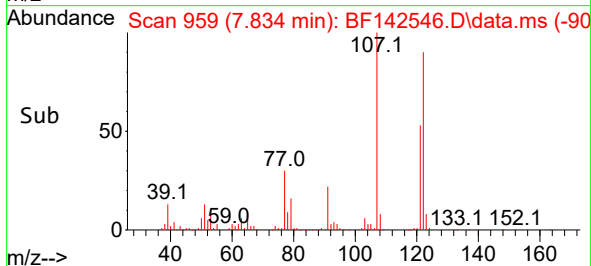
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:122 Resp: 287088  
Ion Ratio Lower Upper  
122 100  
107 110.8 88.1 132.1  
121 59.1 47.3 70.9

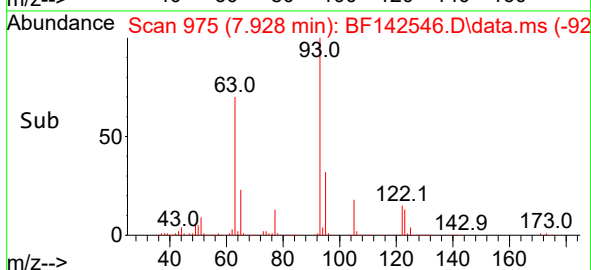
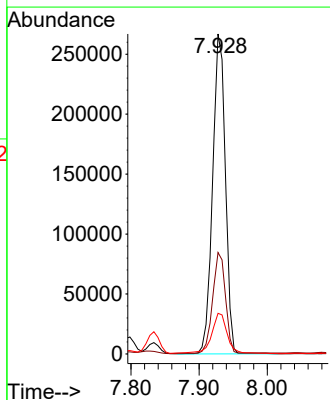
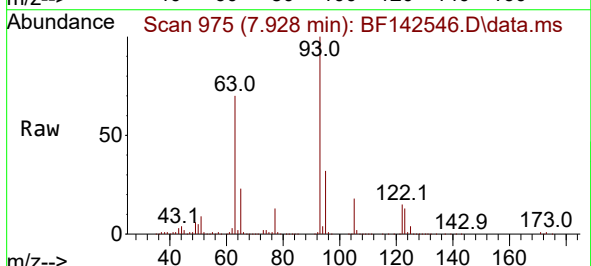
Manual Integrations  
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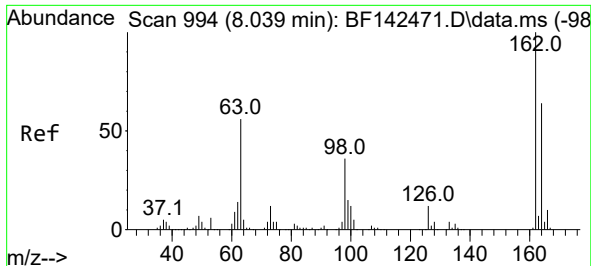
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.826 ng  
RT: 7.928 min Scan# 975  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion: 93 Resp: 347613  
Ion Ratio Lower Upper  
93 100  
95 31.7 26.4 39.6  
123 12.7 10.6 15.8





#29

2,4-Dichlorophenol

Concen: 40.502 ng

RT: 8.039 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF142546.D

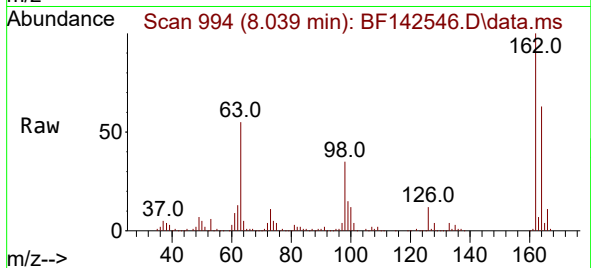
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD



Tgt Ion:162 Resp: 24910

Ion Ratio Lower Upper

162 100

164 63.4 43.7 83.7

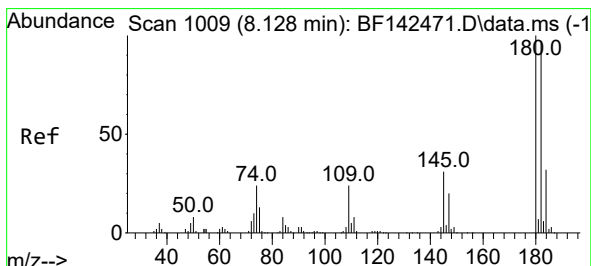
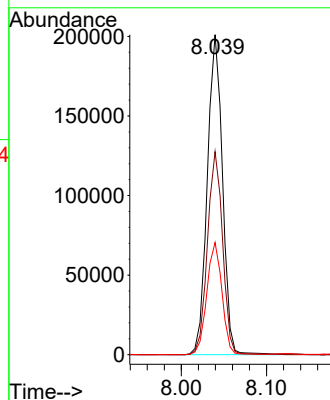
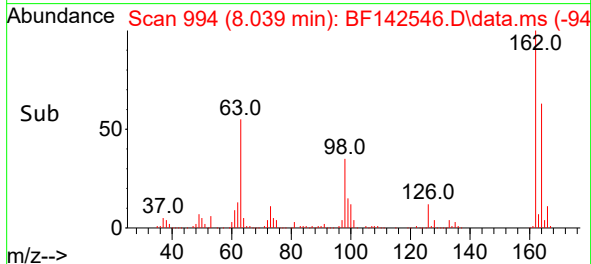
98 35.0 15.5 55.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.022 ng

RT: 8.122 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

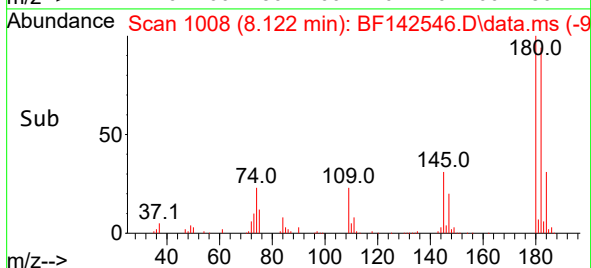
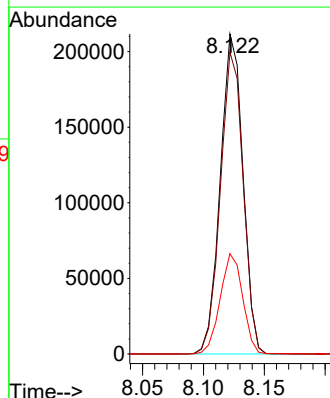
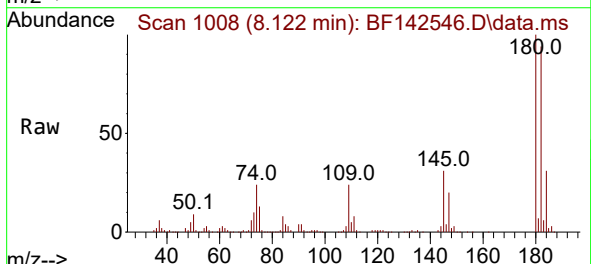
Tgt Ion:180 Resp: 273810

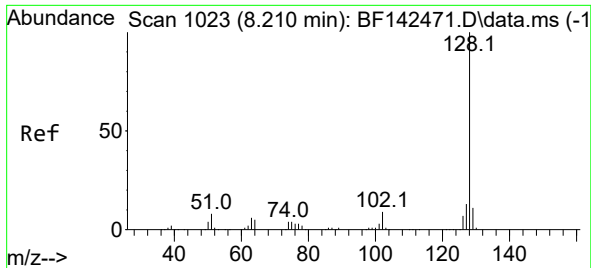
Ion Ratio Lower Upper

180 100

182 94.3 78.0 117.0

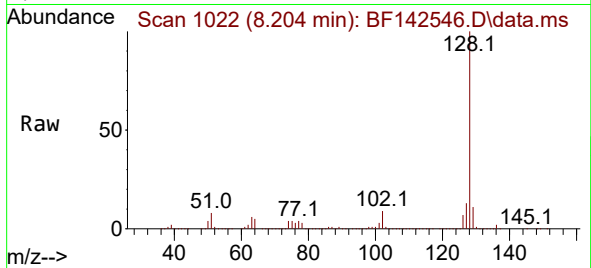
145 31.3 25.0 37.6





#31  
Naphthalene  
Concen: 43.284 ng  
RT: 8.204 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

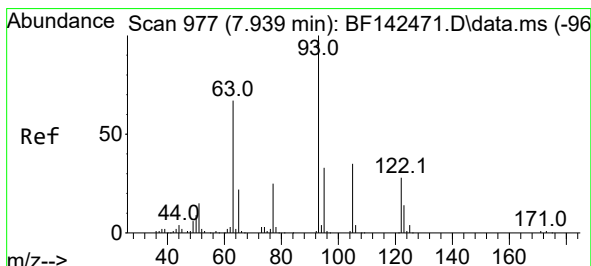
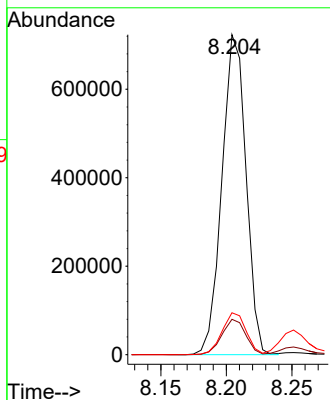
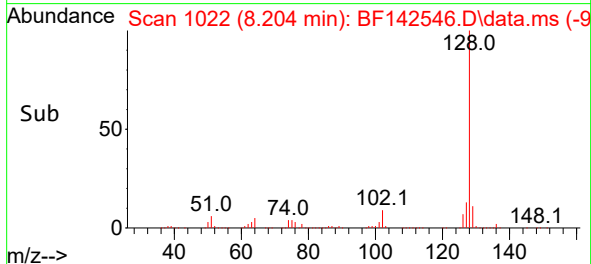
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:128 Resp: 924790  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.1 10.5 15.7

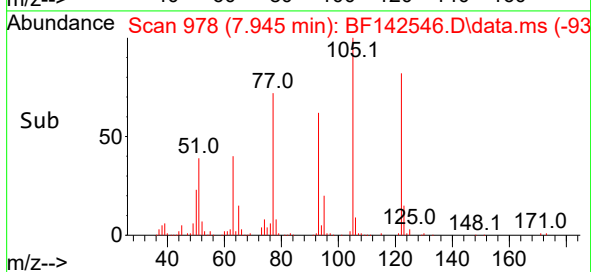
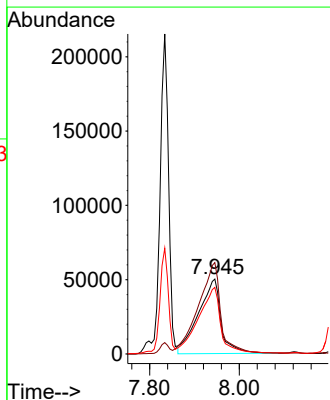
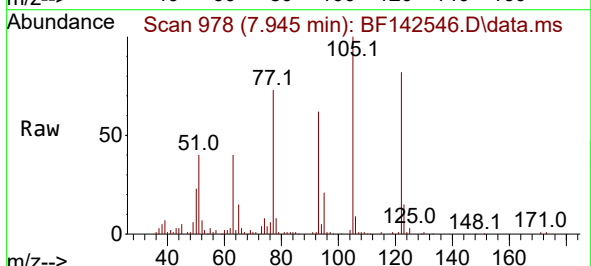
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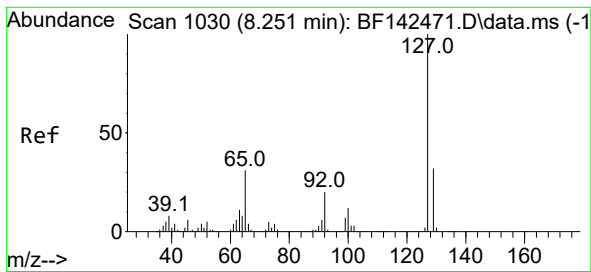
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#32  
Benzoic acid  
Concen: 42.522 ng  
RT: 7.945 min Scan# 978  
Delta R.T. -0.030 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:122 Resp: 175053  
Ion Ratio Lower Upper  
122 100  
105 121.9 101.7 141.7  
77 88.9 69.5 109.5





#33  
4-Chloroaniline  
Concen: 10.426 ng  
RT: 8.251 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

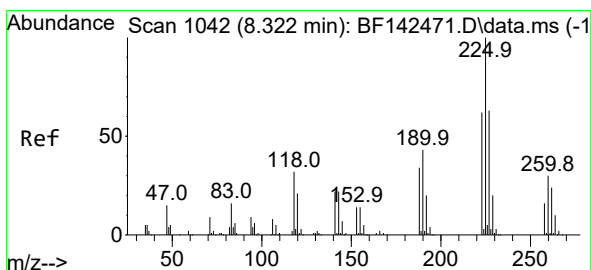
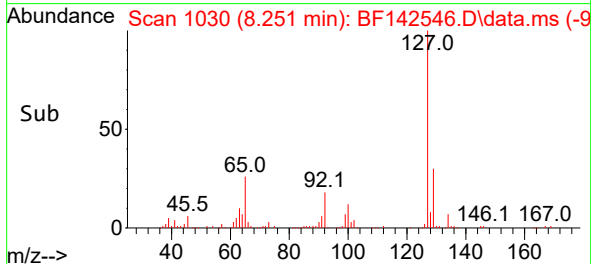
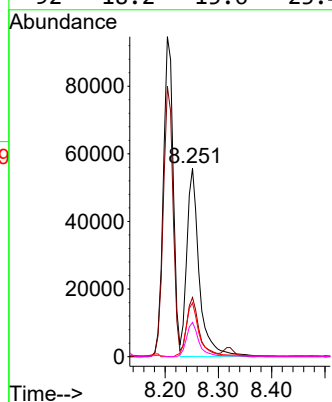
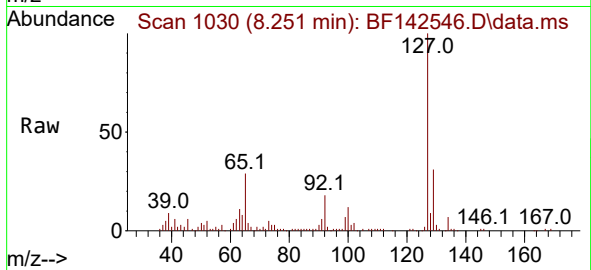
Tgt Ion:127 Resp: 90260  
Ion Ratio Lower Upper  
127 100  
129 31.4 26.1 39.1  
65 28.6 24.9 37.3  
92 18.2 15.6 23.4

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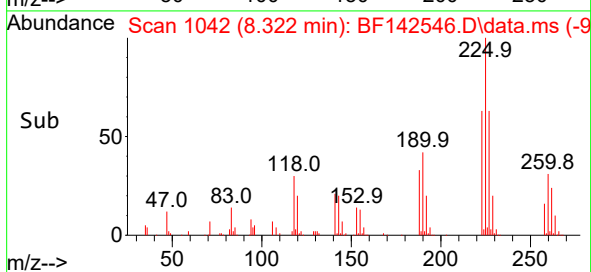
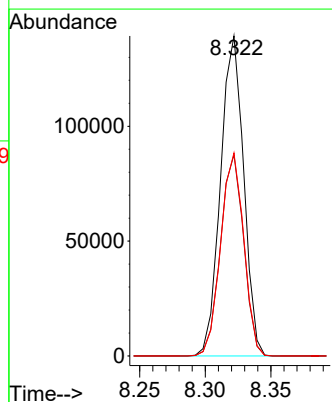
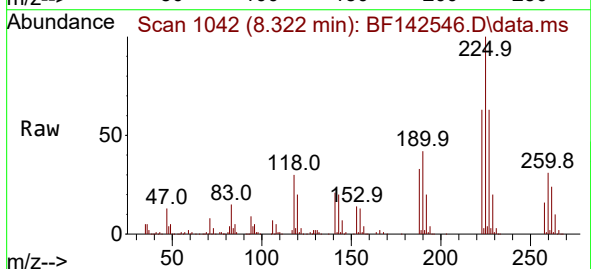
Reviewed By :Rahul Chavli 05/27/2025

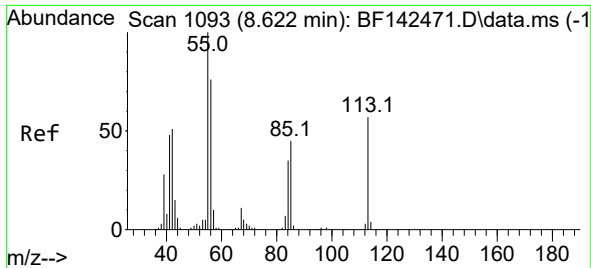
Supervised By :Jagrut Upadhyay 05/27/2025



#34  
Hexachlorobutadiene  
Concen: 40.913 ng  
RT: 8.322 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

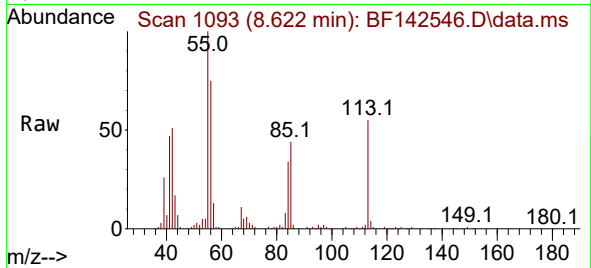
Tgt Ion:225 Resp: 170514  
Ion Ratio Lower Upper  
225 100  
223 62.9 49.7 74.5  
227 63.5 50.3 75.5





#35  
Caprolactam  
Concen: 42.698 ng  
RT: 8.622 min Scan# 1093  
Delta R.T. -0.023 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

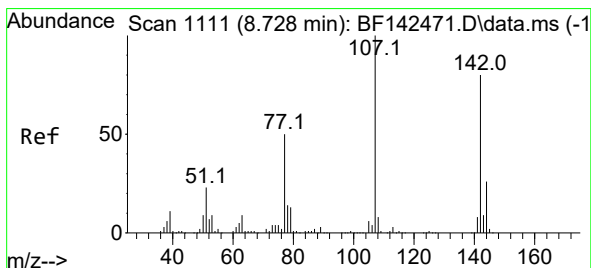
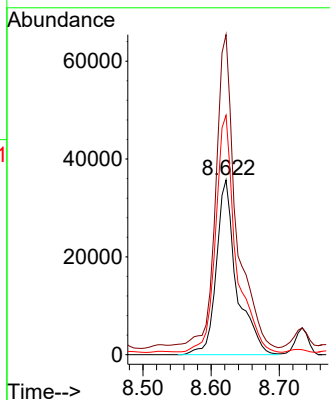
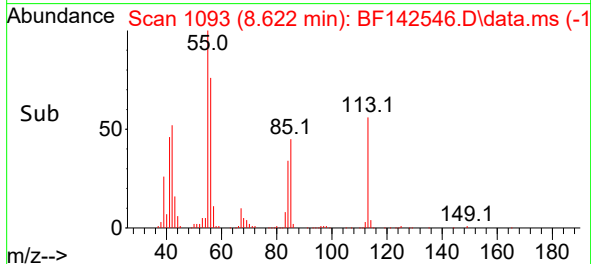
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:113 Resp: 7375  
Ion Ratio Lower Upper  
113 100  
55 183.2 154.7 194.7  
56 137.0 113.2 153.2

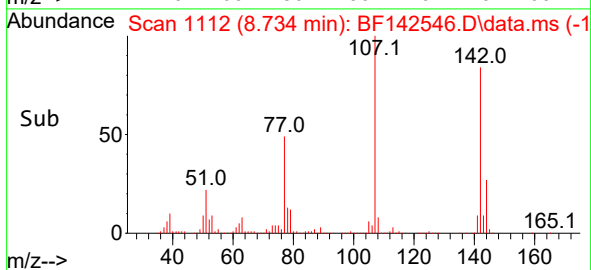
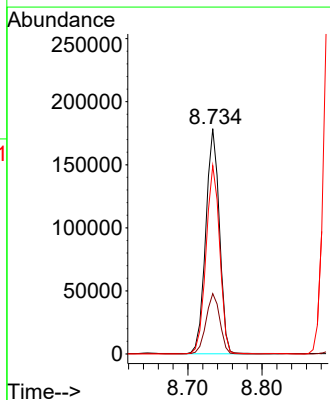
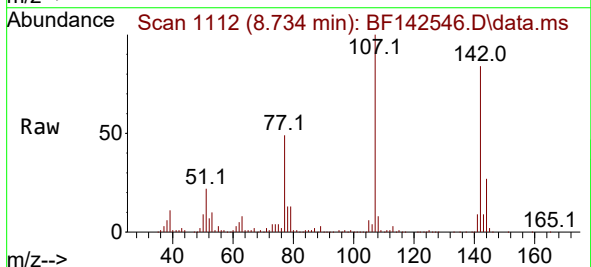
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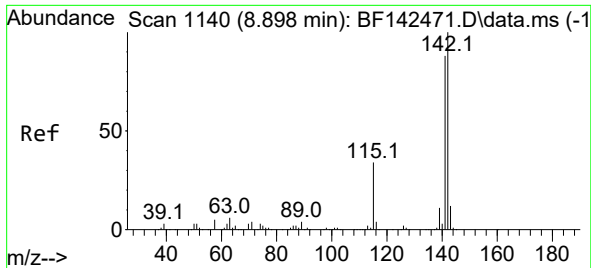
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#36  
4-Chloro-3-methylphenol  
Concen: 36.399 ng  
RT: 8.734 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:107 Resp: 229426  
Ion Ratio Lower Upper  
107 100  
144 26.8 20.9 31.3  
142 83.6 64.2 96.2





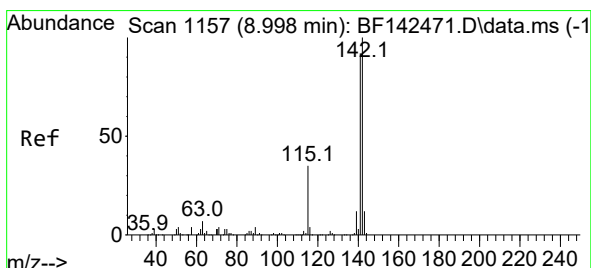
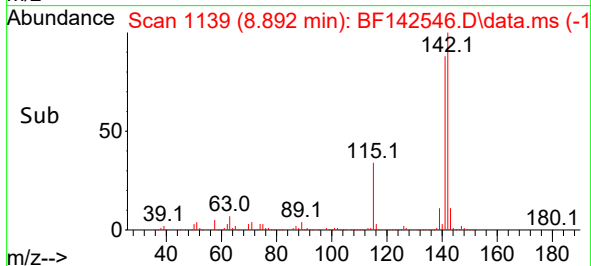
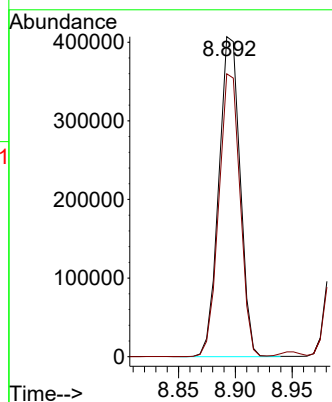
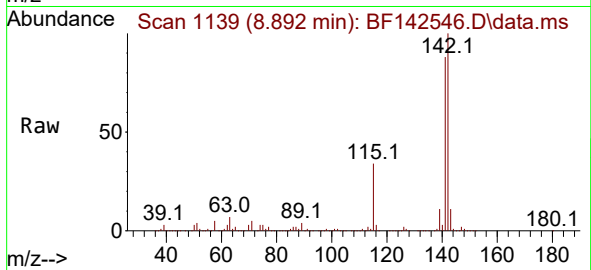
#37  
2-Methylnaphthalene  
Concen: 39.586 ng  
RT: 8.892 min Scan# 1139  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD

Tgt Ion:142 Resp: 532108  
Ion Ratio Lower Upper  
142 100  
141 88.4 70.7 106.1

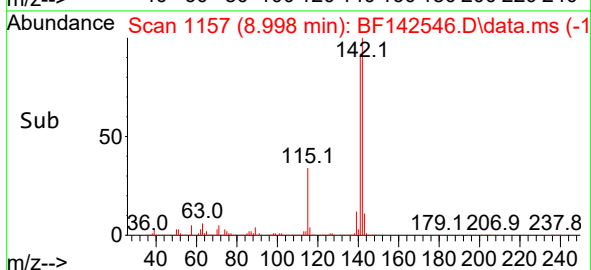
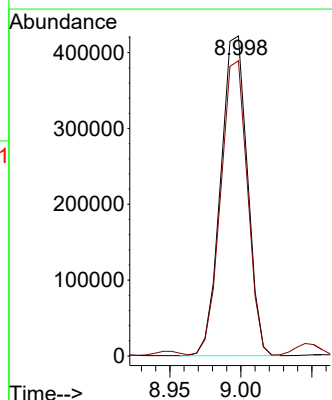
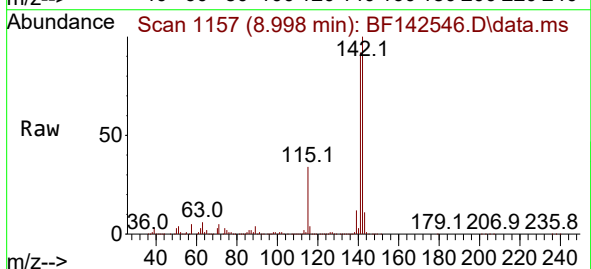
Manual Integrations  
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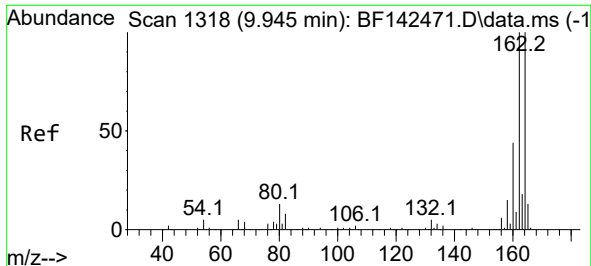
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#38  
1-Methylnaphthalene  
Concen: 39.733 ng  
RT: 8.998 min Scan# 1157  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:142 Resp: 552439  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF142546.D

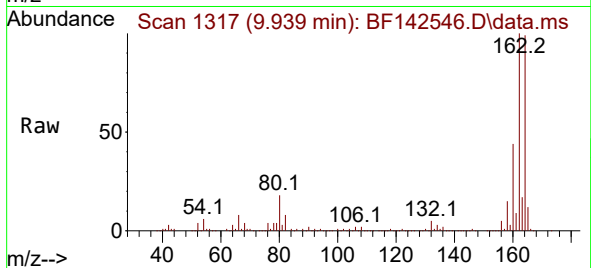
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD



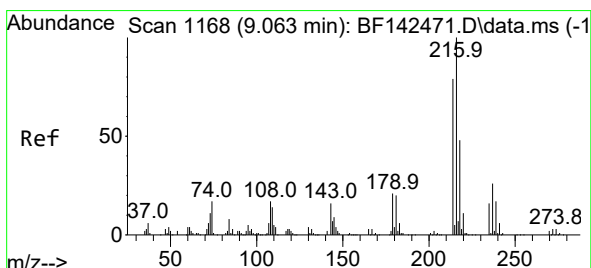
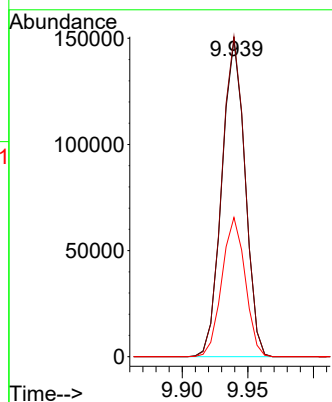
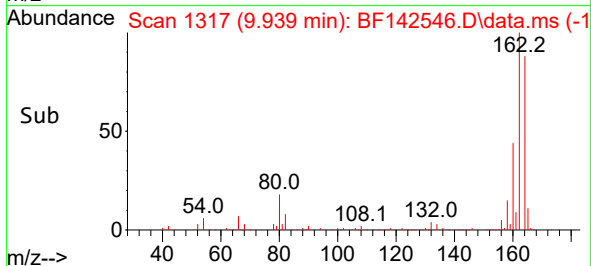
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 164   | Resp: | 18352 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.1 | 80.2  | 120.4 |
| 160       | 44.0  | 35.6  | 53.4  |

Manual Integrations

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Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.860 ng

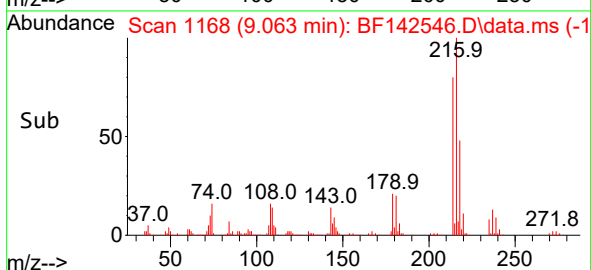
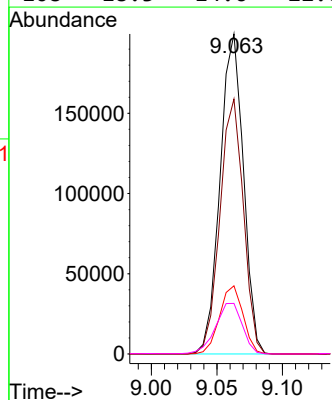
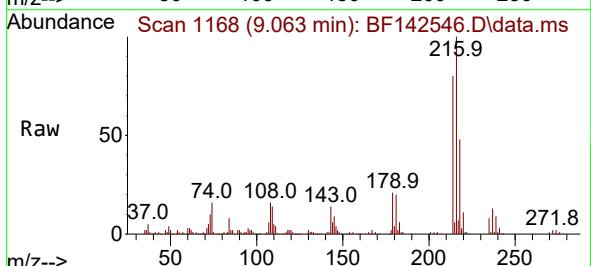
RT: 9.063 min Scan# 1168

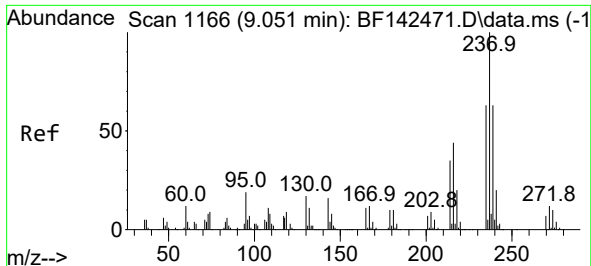
Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

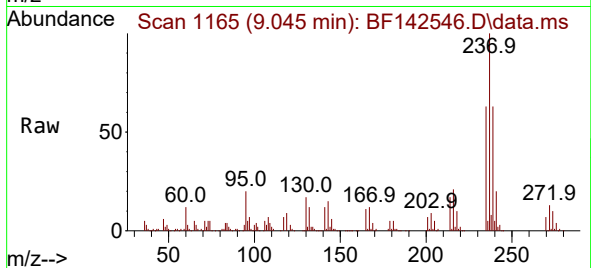
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 216   | Resp: | 246863 |
| Ion Ratio | Lower | Upper |        |
| 216       | 100   |       |        |
| 214       | 79.8  | 62.9  | 94.3   |
| 179       | 21.5  | 16.9  | 25.3   |
| 108       | 18.3  | 14.6  | 22.0   |





#41  
Hexachlorocyclopentadiene  
Concen: 51.365 ng  
RT: 9.045 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

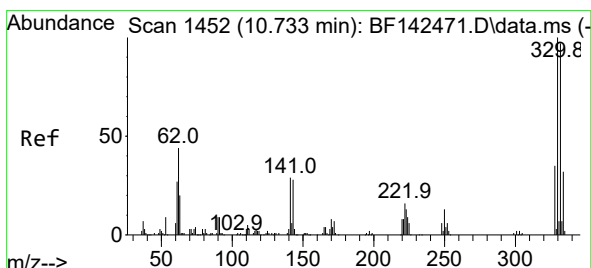
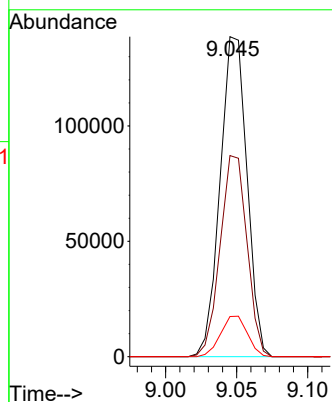
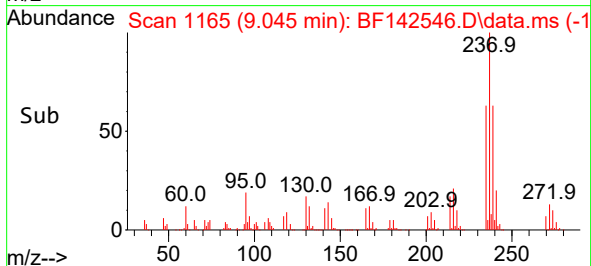
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



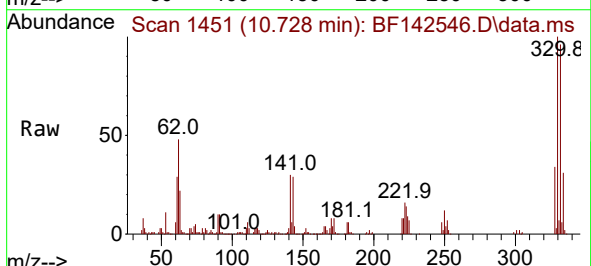
Tgt Ion: 237 Resp: 18254  
Ion Ratio Lower Upper  
237 100  
235 62.9 43.3 83.3  
272 12.6 0.0 32.4

Manual Integrations  
APPROVED

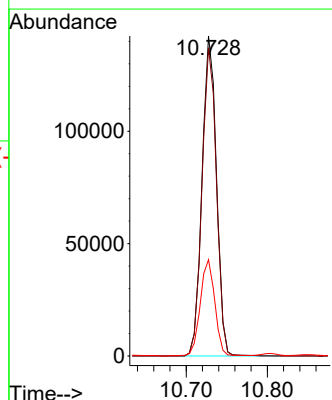
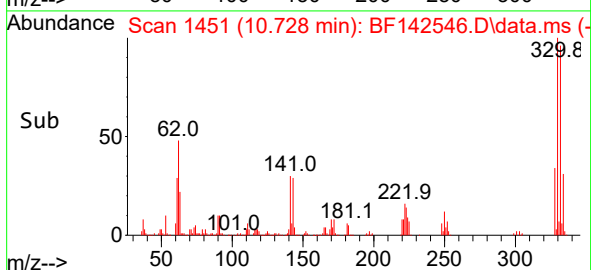
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



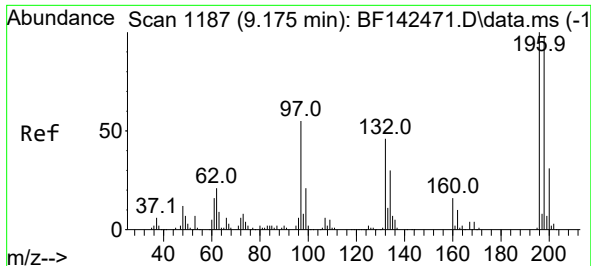
#42  
2,4,6-Tribromophenol  
Concen: 86.062 ng  
RT: 10.728 min Scan# 1451  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion: 330 Resp: 175296  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.6 116.4  
141 30.6 24.6 36.8

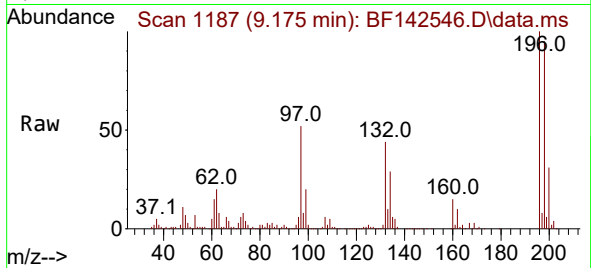






#43  
2,4,6-Trichlorophenol  
Concen: 45.762 ng  
RT: 9.175 min Scan# 1187  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

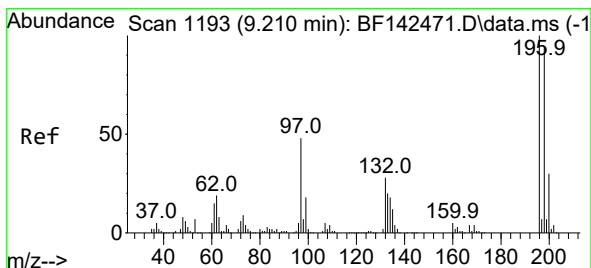
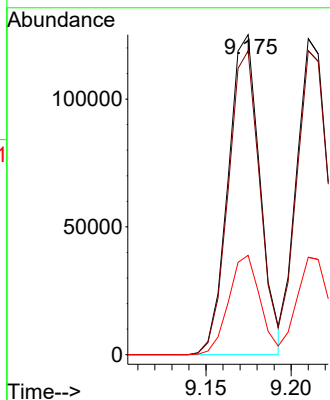
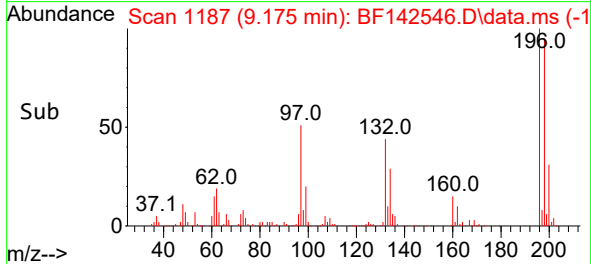
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



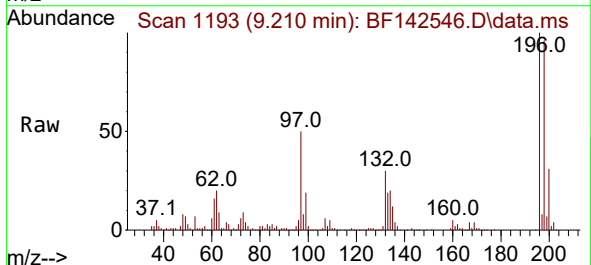
Tgt Ion:196 Resp: 16256  
Ion Ratio Lower Upper  
196 100  
198 95.0 78.8 118.2  
200 31.0 24.9 37.3

Manual Integrations  
APPROVED

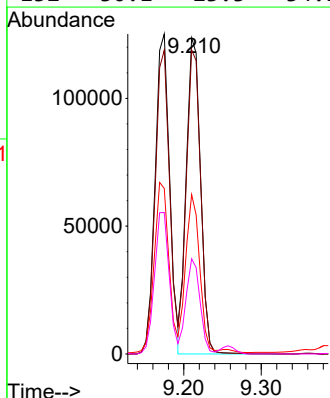
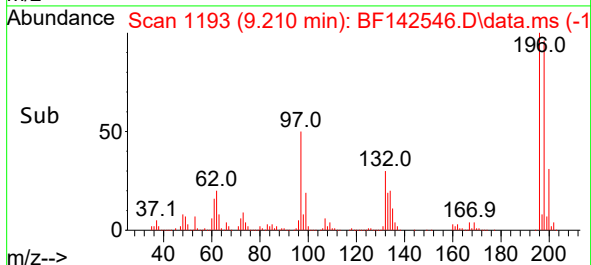
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

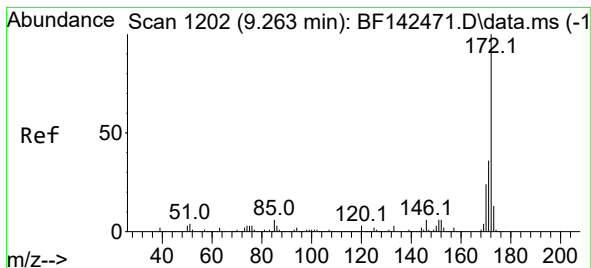


#44  
2,4,5-Trichlorophenol  
Concen: 42.283 ng  
RT: 9.210 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:196 Resp: 158413  
Ion Ratio Lower Upper  
196 100  
198 96.2 75.5 113.3  
97 50.5 39.3 58.9  
132 30.1 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 64.700 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

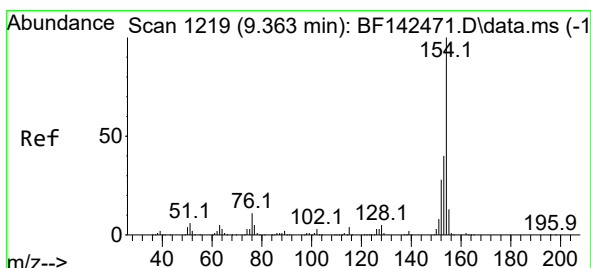
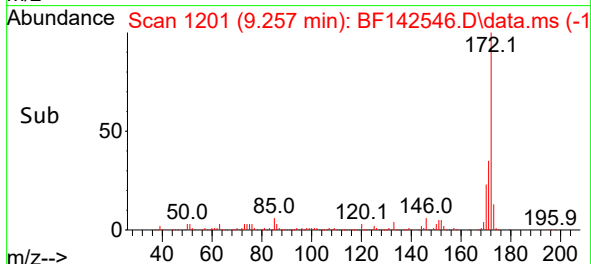
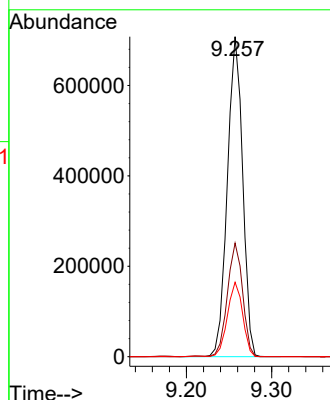
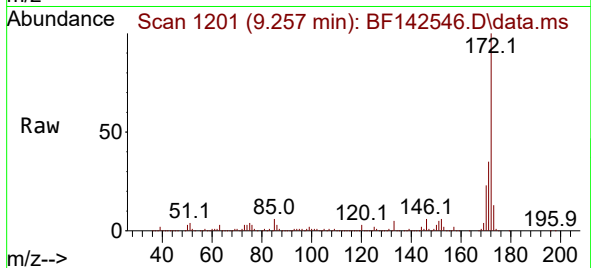
Tgt Ion:172 Resp: 884875  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 42.8  
 170 23.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#46

1,1'-Biphenyl

Concen: 46.966 ng

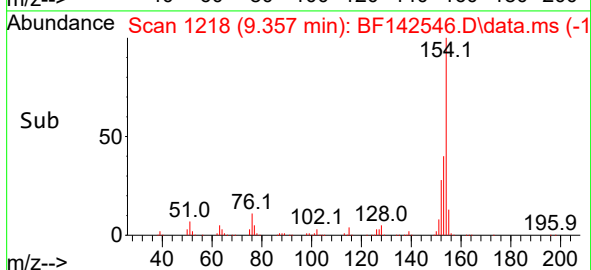
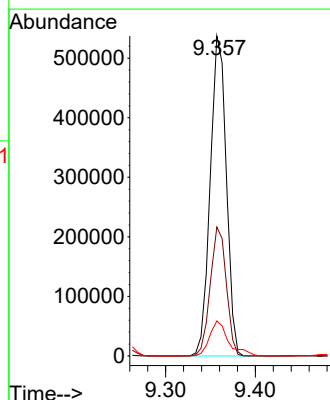
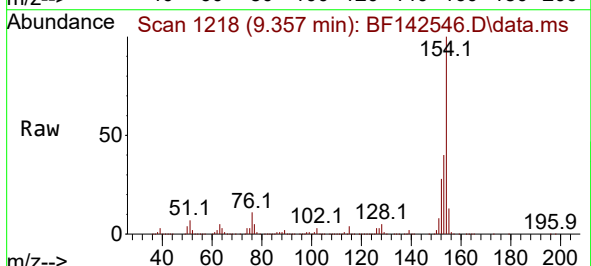
RT: 9.357 min Scan# 1218

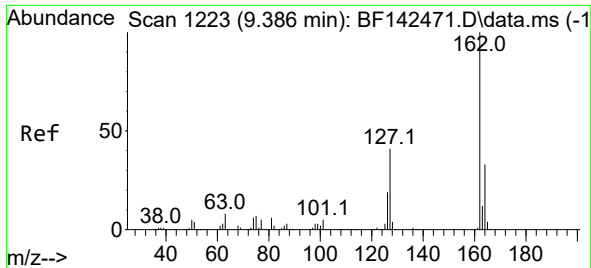
Delta R.T. -0.012 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

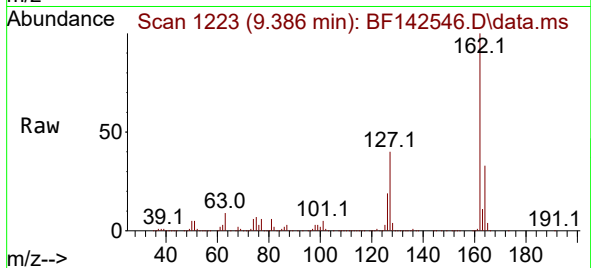
Tgt Ion:154 Resp: 668708  
 Ion Ratio Lower Upper  
 154 100  
 153 40.3 20.4 60.4  
 76 10.9 0.0 30.8





#47  
2-Chloronaphthalene  
Concen: 44.526 ng  
RT: 9.386 min Scan# 1223  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

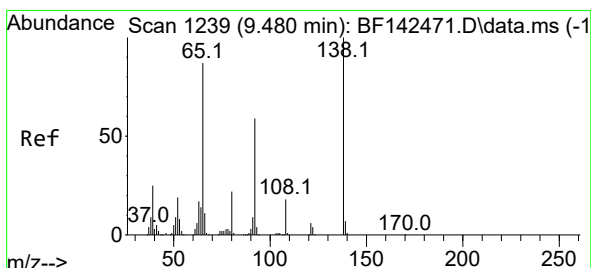
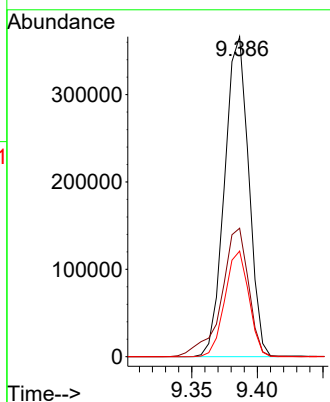
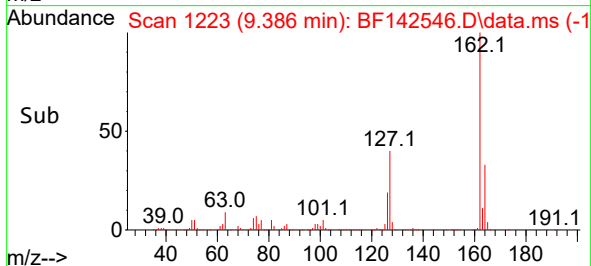
Instrument : BNA\_F  
ClientSampleId : TP-02-MHFMSD



Tgt Ion: 162 Resp: 46839  
Ion Ratio Lower Upper  
162 100  
127 40.2 33.5 50.3  
164 33.0 26.1 39.1

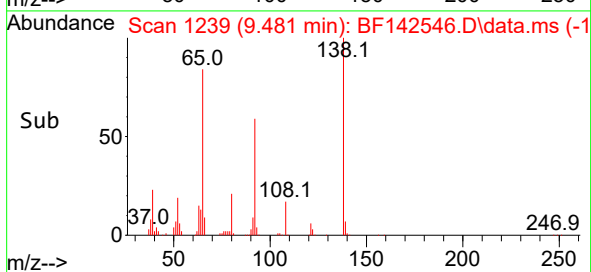
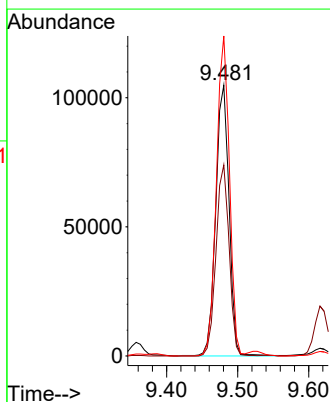
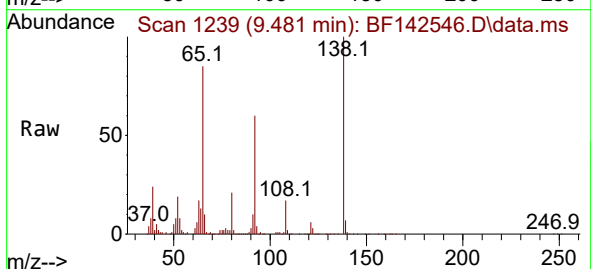
Manual Integrations  
APPROVED

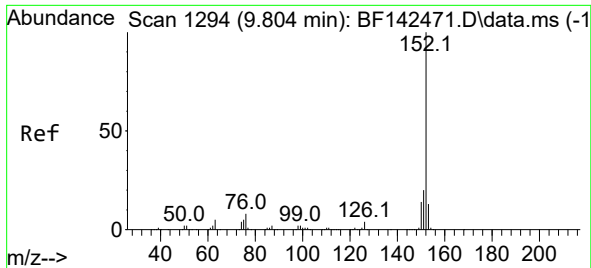
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#48  
2-Nitroaniline  
Concen: 44.754 ng  
RT: 9.481 min Scan# 1239  
Delta R.T. -0.005 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

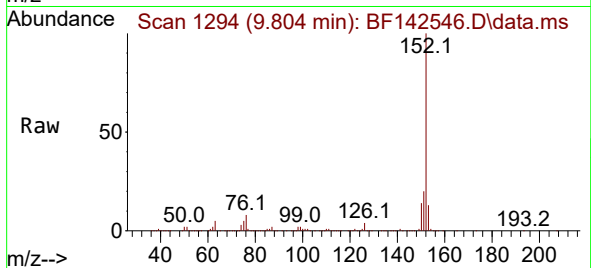
Tgt Ion: 65 Resp: 136079  
Ion Ratio Lower Upper  
65 100  
92 70.5 54.4 81.6  
138 118.2 91.4 137.2





#49  
Acenaphthylene  
Concen: 43.542 ng  
RT: 9.804 min Scan# 1294  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

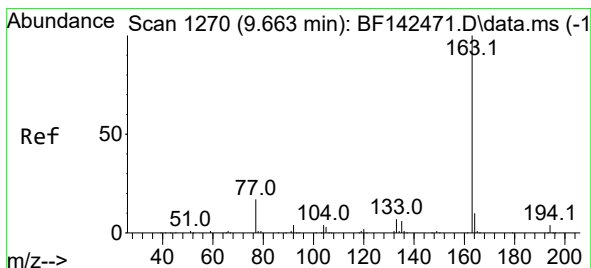
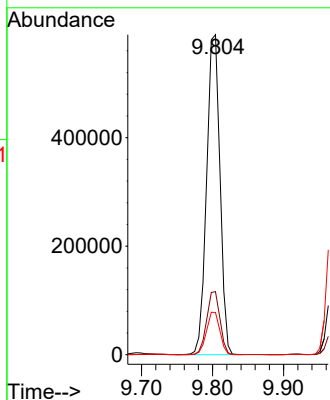
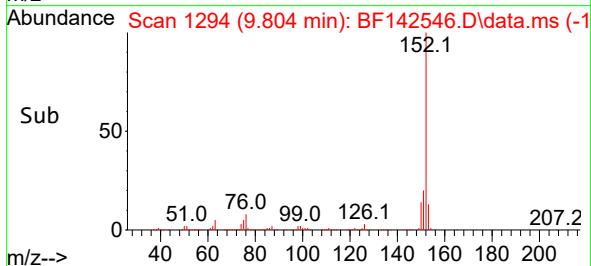
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



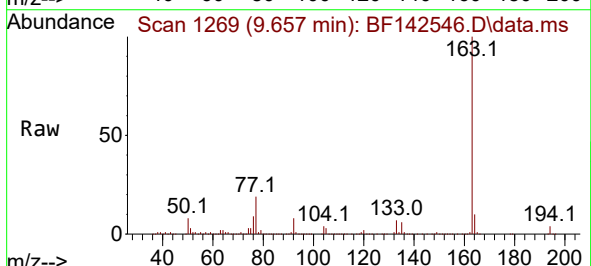
Tgt Ion:152 Resp: 77344  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.8 23.8  
153 13.2 10.6 15.8

Manual Integrations  
APPROVED

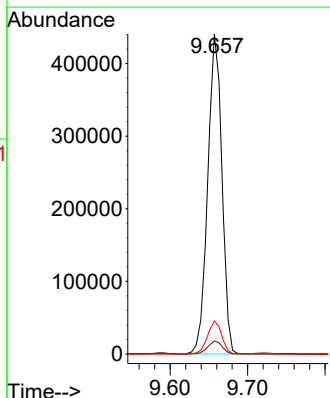
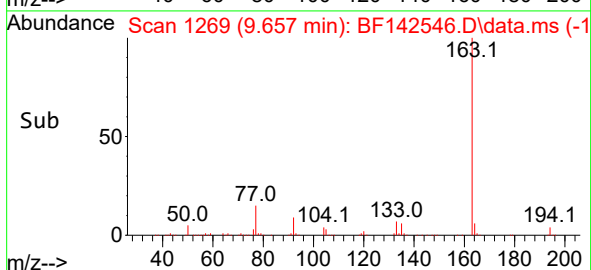
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

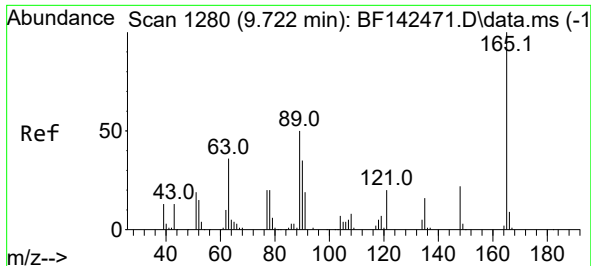


#50  
Dimethylphthalate  
Concen: 46.264 ng  
RT: 9.657 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



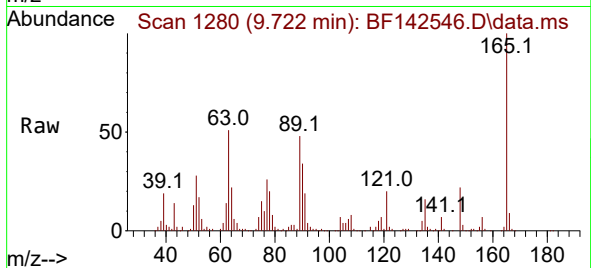
Tgt Ion:163 Resp: 560234  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.3 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 44.114 ng  
RT: 9.722 min Scan# 1280  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

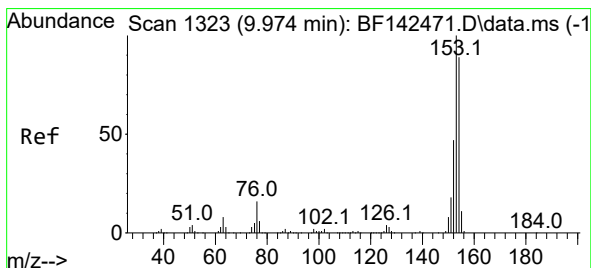
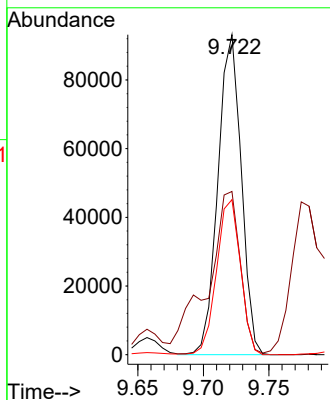
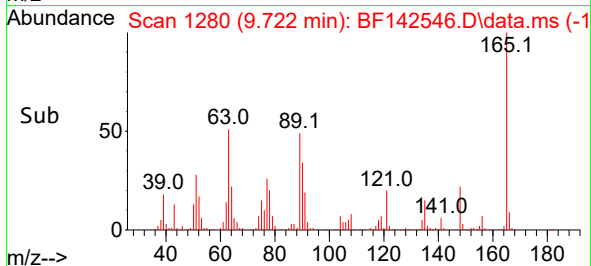
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:165 Resp: 115290  
Ion Ratio Lower Upper  
165 100  
63 51.0 42.9 64.3  
89 48.5 40.2 60.4

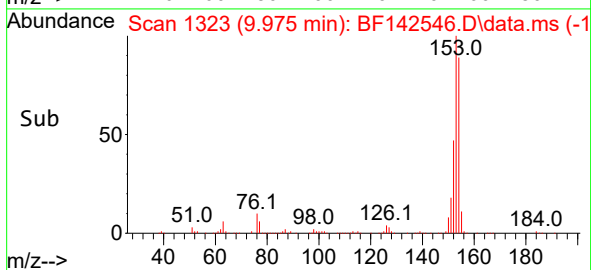
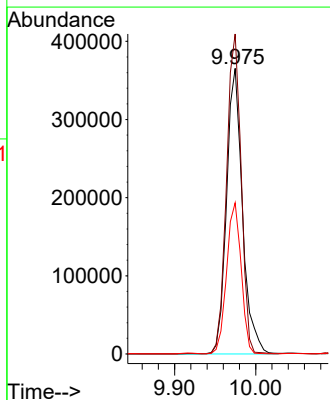
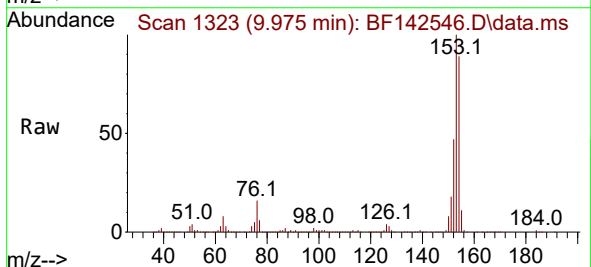
Manual Integrations  
APPROVED

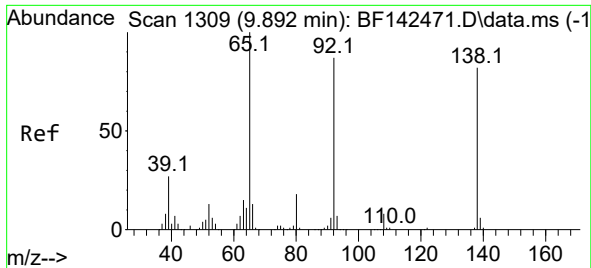
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#52  
Acenaphthene  
Concen: 46.004 ng  
RT: 9.975 min Scan# 1323  
Delta R.T. -0.005 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

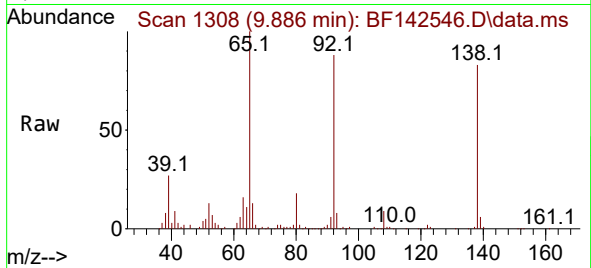
Tgt Ion:154 Resp: 498983  
Ion Ratio Lower Upper  
154 100  
153 112.0 90.0 135.0  
152 52.9 42.6 64.0





#53  
3-Nitroaniline  
Concen: 27.068 ng  
RT: 9.886 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

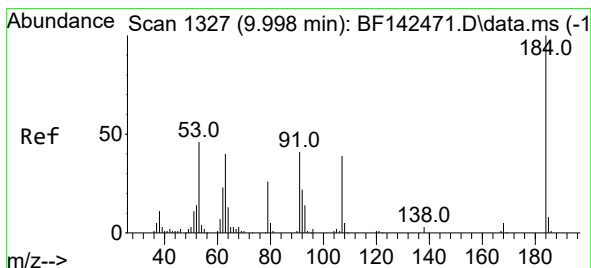
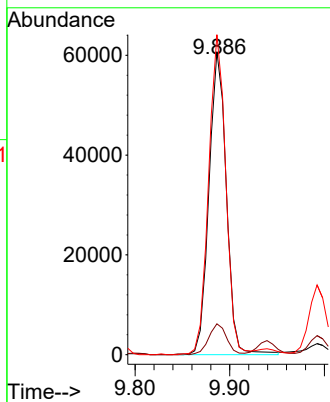
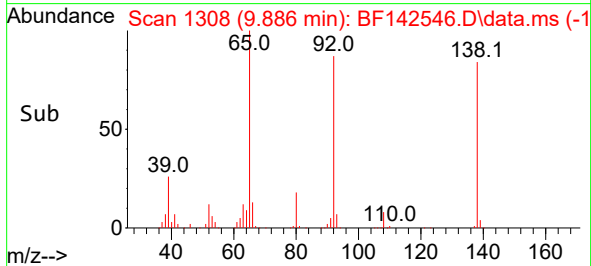
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:138 Resp: 77270  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.1 12.1  
92 105.6 85.2 127.8

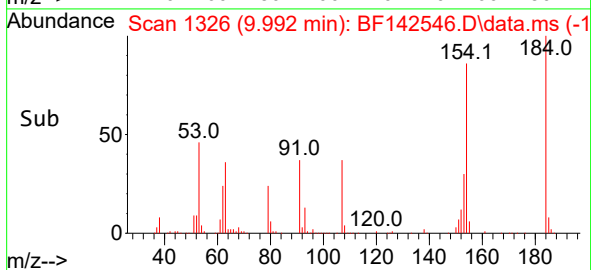
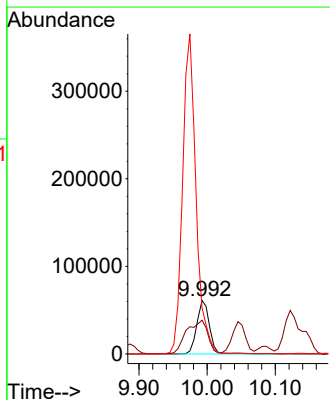
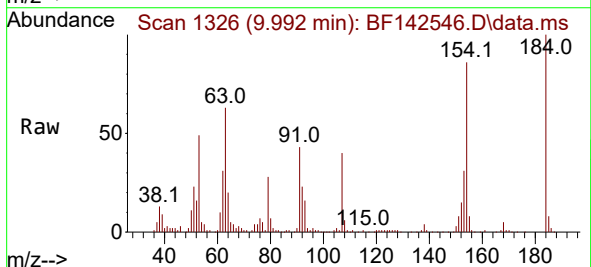
Manual Integrations  
APPROVED

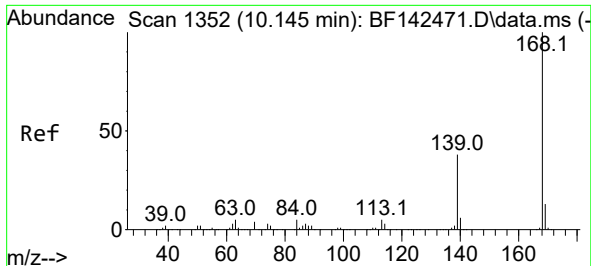
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#54  
2,4-Dinitrophenol  
Concen: 58.025 ng  
RT: 9.992 min Scan# 1326  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

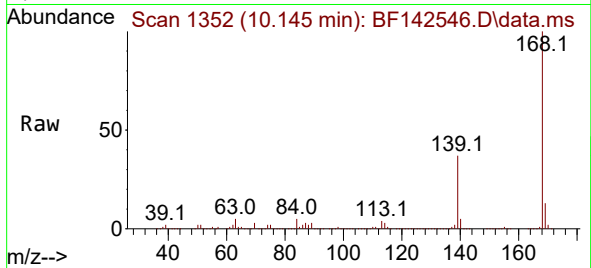
Tgt Ion:184 Resp: 78350  
Ion Ratio Lower Upper  
184 100  
63 63.3 46.3 69.5  
154 86.3 56.8 85.2#





#55  
Dibenzenofuran  
Concen: 43.792 ng  
RT: 10.145 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

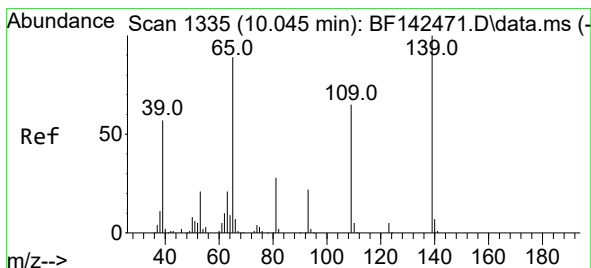
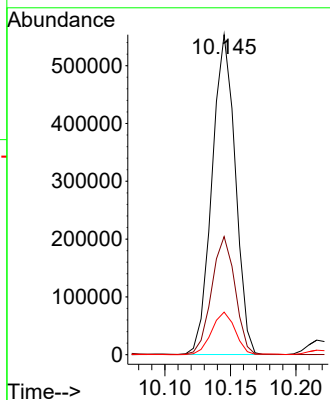
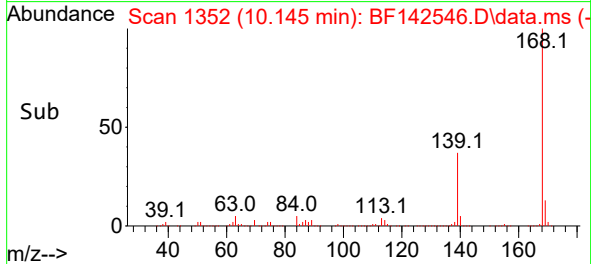
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



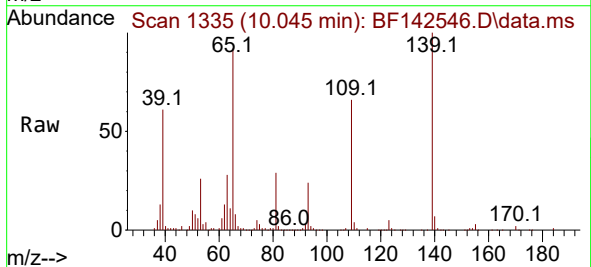
Tgt Ion:168 Resp: 683520  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.2 45.2  
169 13.3 10.7 16.1

Manual Integrations  
APPROVED

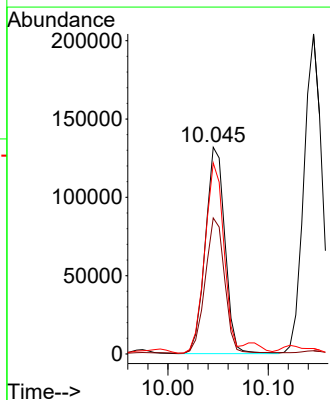
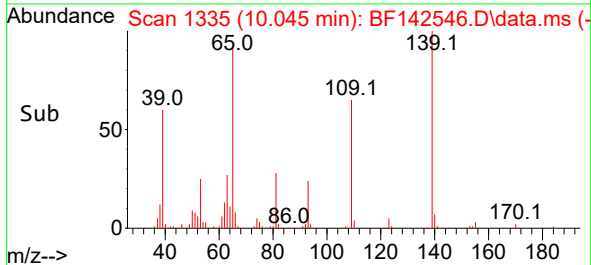
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

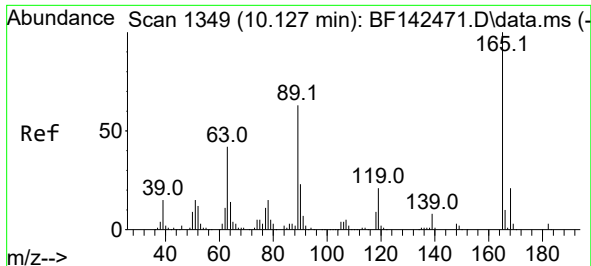


#56  
4-Nitrophenol  
Concen: 84.915 ng  
RT: 10.045 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



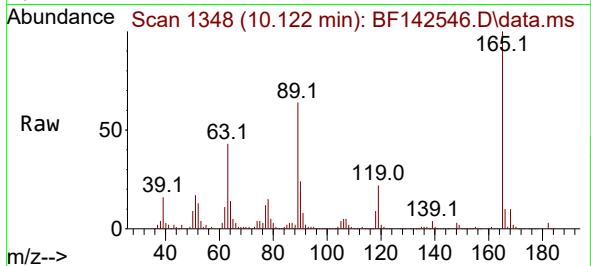
Tgt Ion:139 Resp: 178857  
Ion Ratio Lower Upper  
139 100  
109 65.8 45.1 85.1  
65 92.5 69.7 109.7





#57  
2,4-Dinitrotoluene  
Concen: 42.548 ng  
RT: 10.122 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

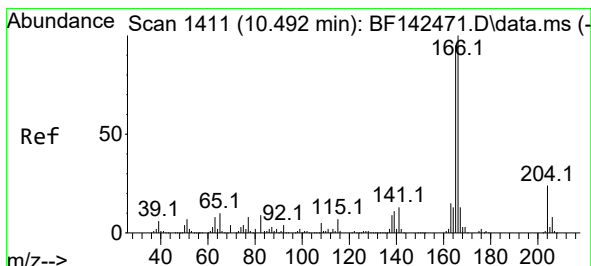
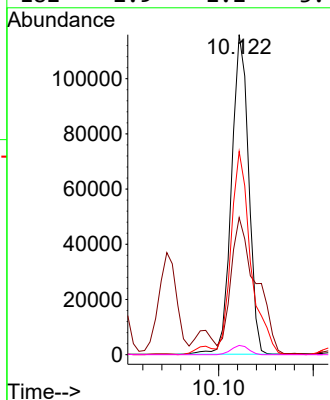
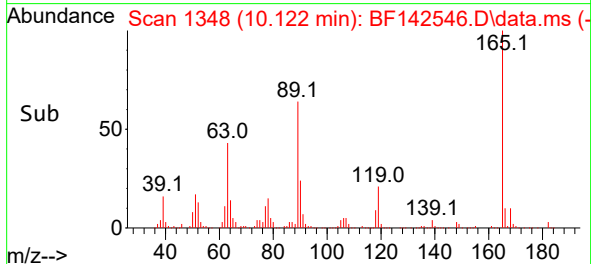
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



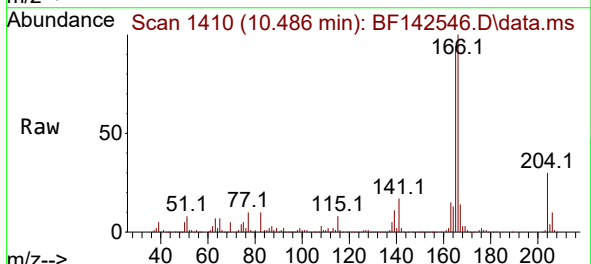
Tgt Ion:165 Resp: 145227  
Ion Ratio Lower Upper  
165 100  
63 42.9 33.6 50.4  
89 63.5 50.2 75.4  
182 2.9 2.2 3.4

Manual Integrations  
APPROVED

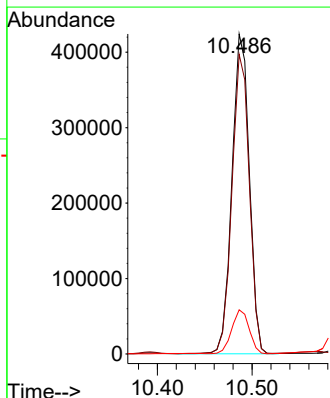
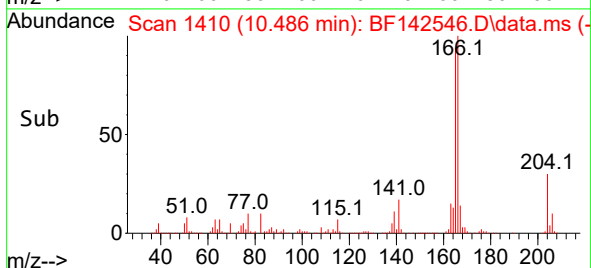
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



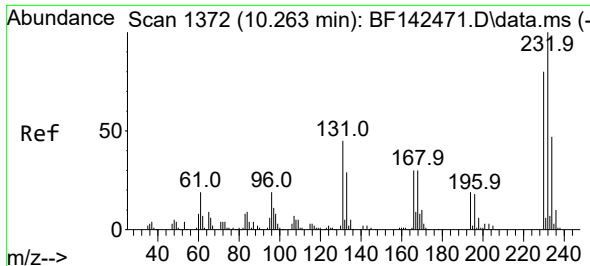
#58  
Fluorene  
Concen: 44.684 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:166 Resp: 538806  
Ion Ratio Lower Upper  
166 100  
165 93.6 75.8 113.8  
167 13.8 10.6 16.0

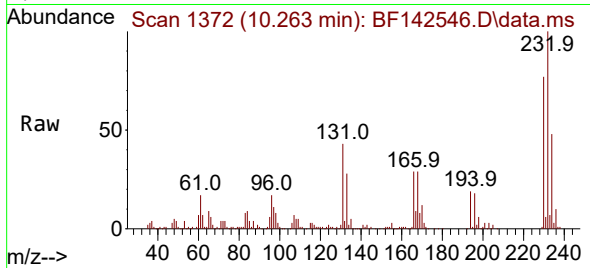






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.662 ng m  
RT: 10.263 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

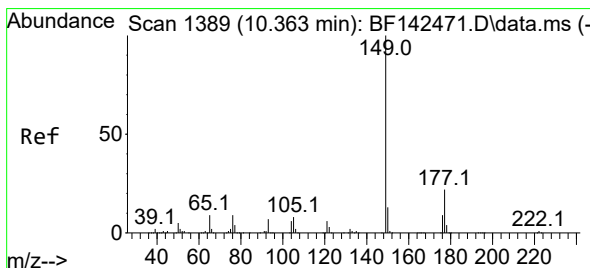
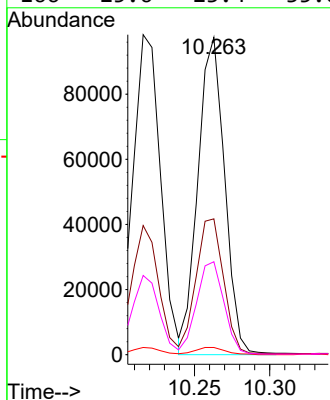
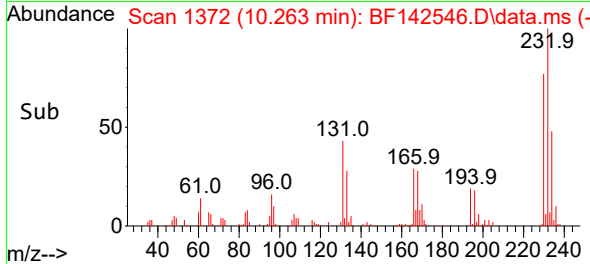
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:232 Resp: 120920  
Ion Ratio Lower Upper  
232 100  
131 41.1 35.2 52.8  
130 2.5 1.7 2.5  
166 25.6 23.4 35.0

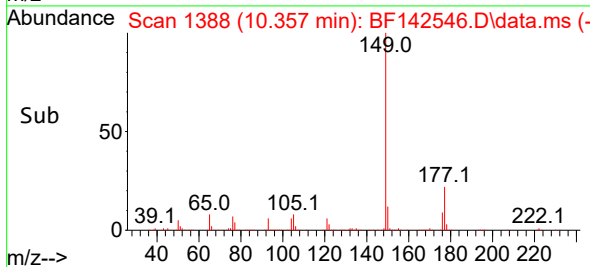
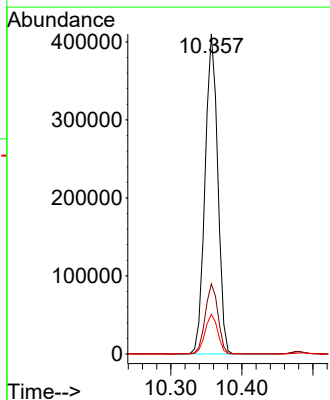
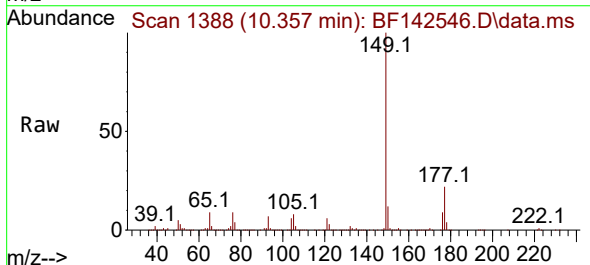
Manual Integrations  
APPROVED

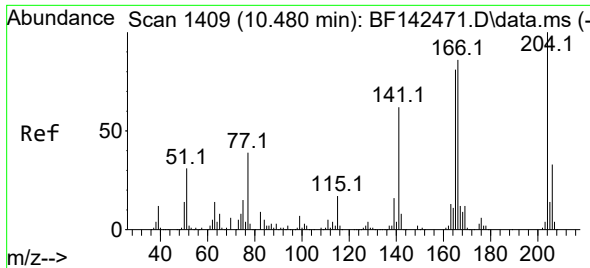
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#60  
Diethylphthalate  
Concen: 43.159 ng  
RT: 10.357 min Scan# 1388  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

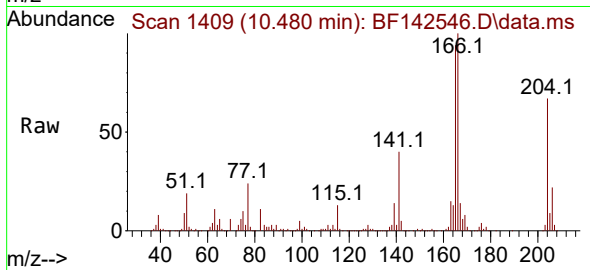
Tgt Ion:149 Resp: 510421  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.6 26.4  
150 12.4 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 39.362 ng  
RT: 10.480 min Scan# 1409  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

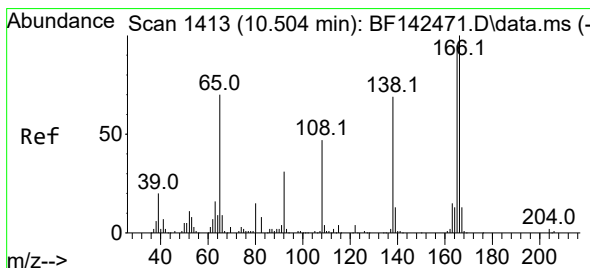
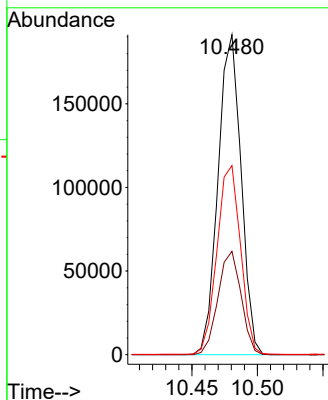
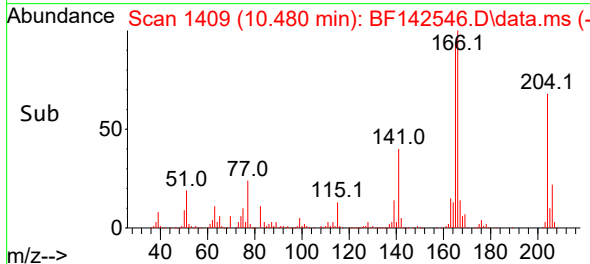
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:204 Resp: 233164  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.3 39.5  
141 59.1 49.5 74.3

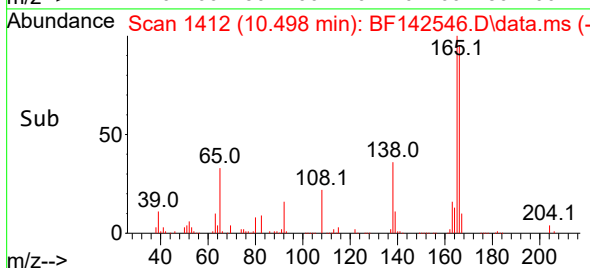
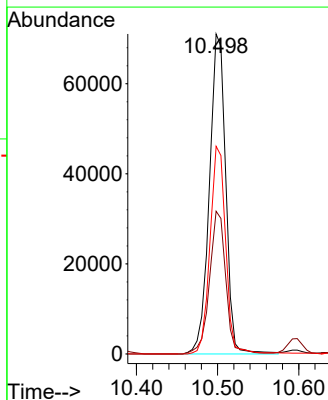
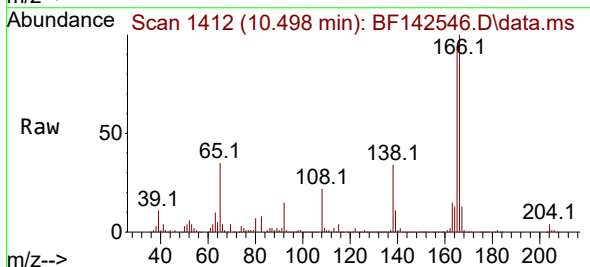
Manual Integrations  
APPROVED

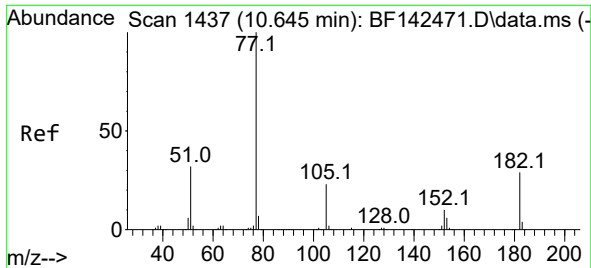
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#62  
4-Nitroaniline  
Concen: 38.299 ng  
RT: 10.498 min Scan# 1412  
Delta R.T. -0.018 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

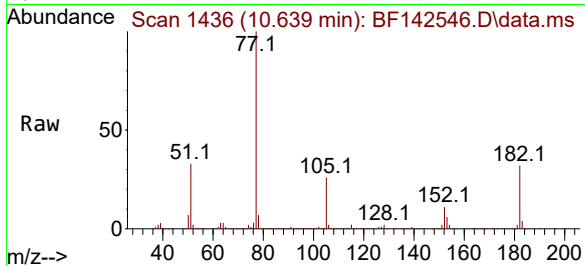
Tgt Ion:138 Resp: 99158  
Ion Ratio Lower Upper  
138 100  
92 44.6 26.0 66.0  
108 64.9 48.4 88.4





#63  
Azobenzene  
Concen: 42.713 ng  
RT: 10.639 min Scan# 1437  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

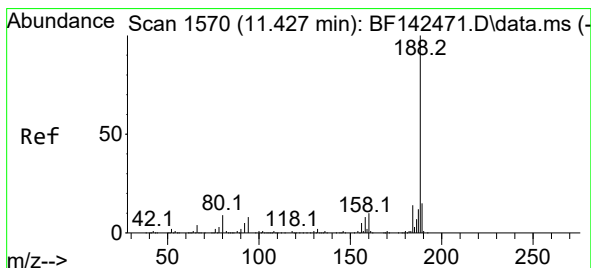
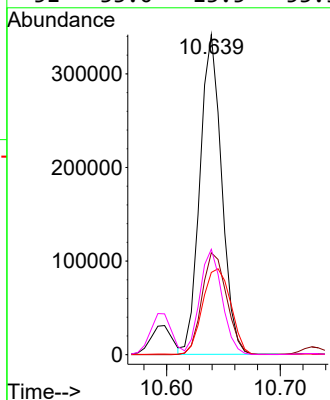
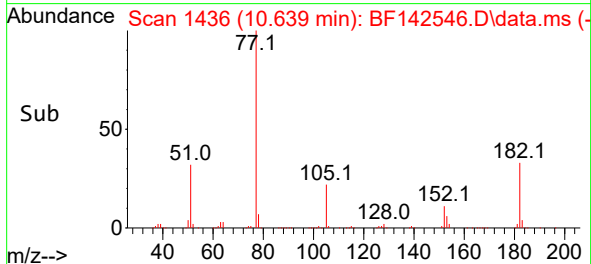
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion: 77 Resp: 453710  
Ion Ratio Lower Upper  
77 100  
182 31.9 9.0 49.0  
105 25.7 2.4 42.4  
51 33.0 13.5 53.5

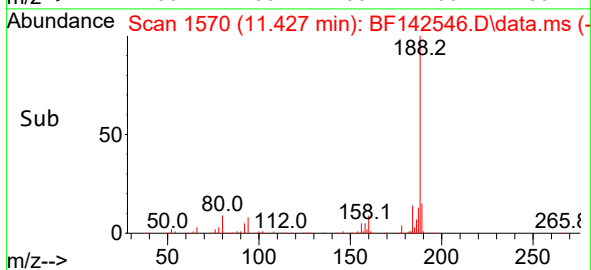
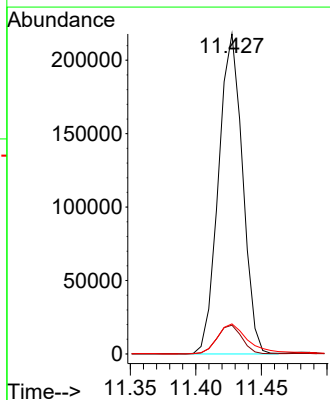
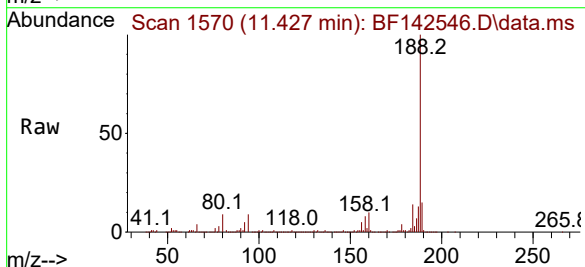
Manual Integrations  
APPROVED

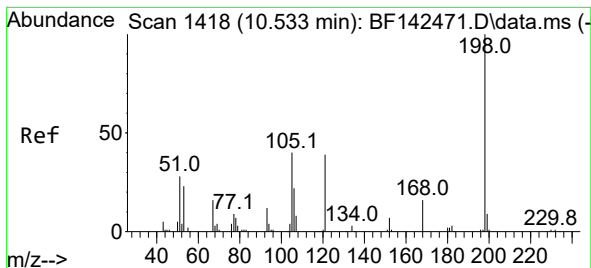
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

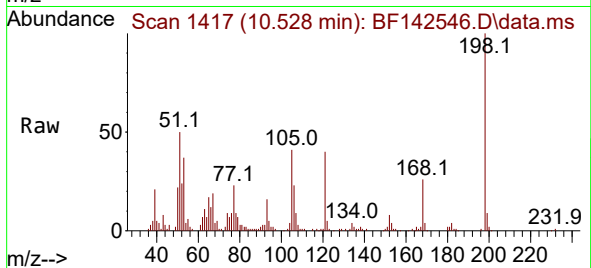
Tgt Ion:188 Resp: 278305  
Ion Ratio Lower Upper  
188 100  
94 9.0 6.6 10.0  
80 9.4 7.4 11.0





#65  
4,6-Dinitro-2-methylphenol  
Concen: 33.476 ng  
RT: 10.528 min Scan# 1418  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

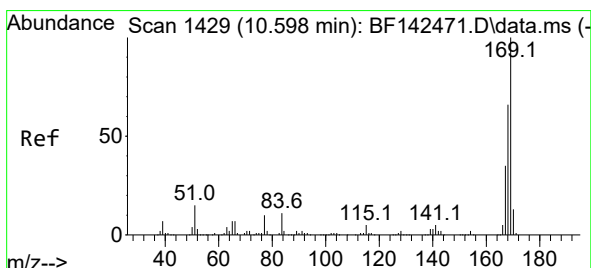
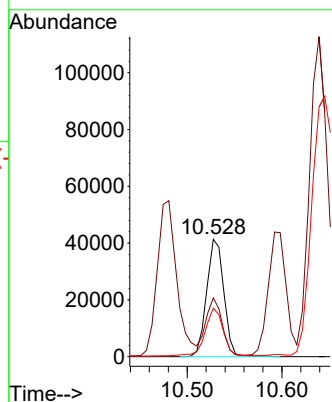
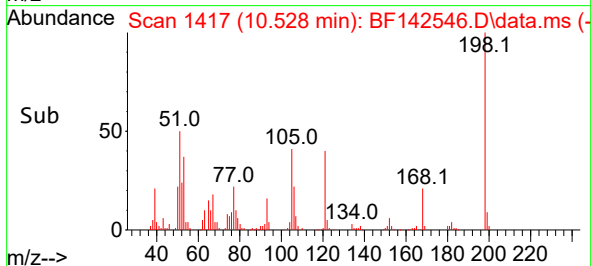
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



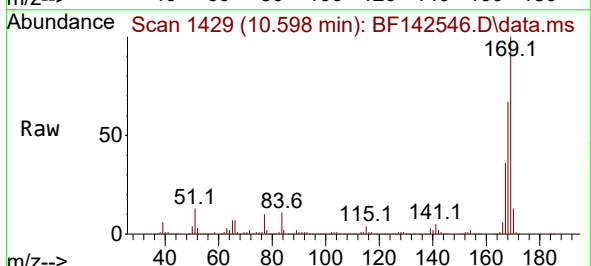
Tgt Ion:198 Resp: 51994  
Ion Ratio Lower Upper  
198 100  
51 50.0 28.3 68.3  
105 41.2 21.3 61.3

Manual Integrations  
APPROVED

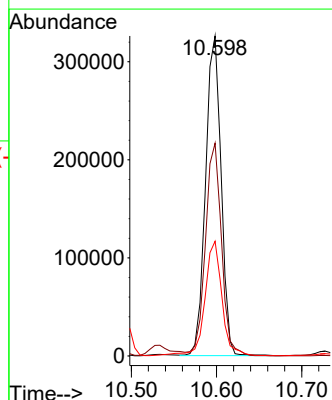
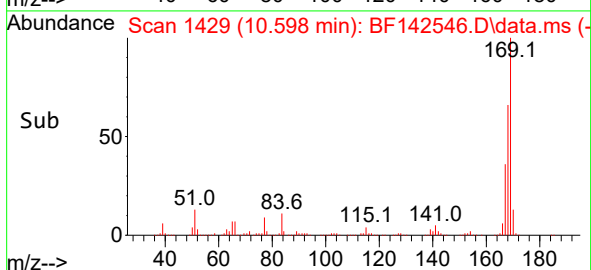
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

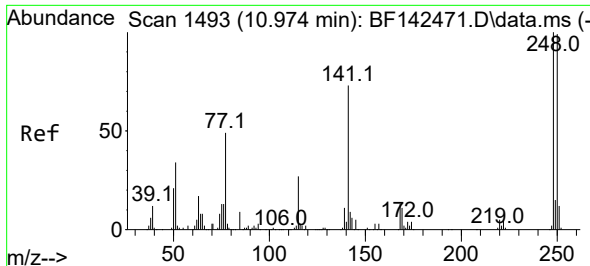


#66  
n-Nitrosodiphenylamine  
Concen: 43.377 ng  
RT: 10.598 min Scan# 1429  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



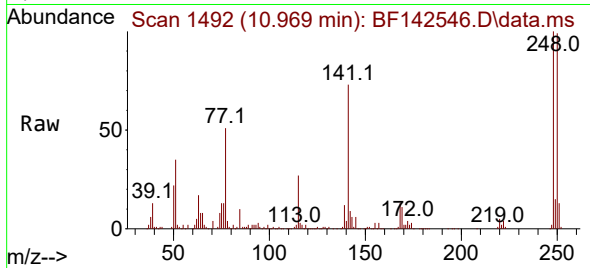
Tgt Ion:169 Resp: 413013  
Ion Ratio Lower Upper  
169 100  
168 66.5 52.7 79.1  
167 35.8 28.3 42.5





#67  
4-Bromophenyl-phenylether  
Concen: 40.923 ng  
RT: 10.969 min Scan# 1492  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

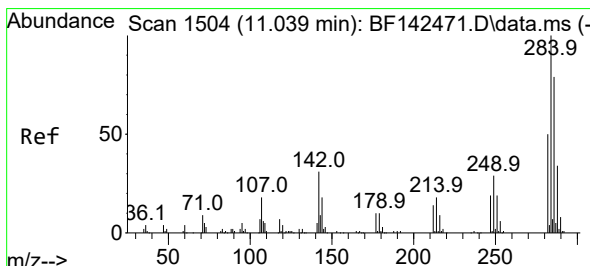
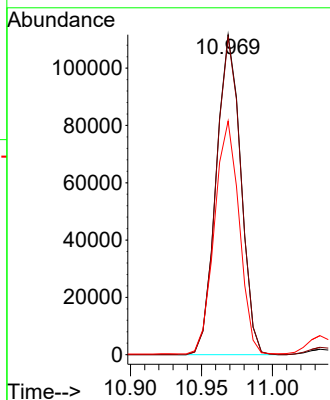
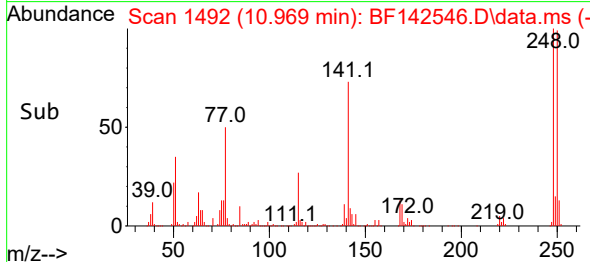
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



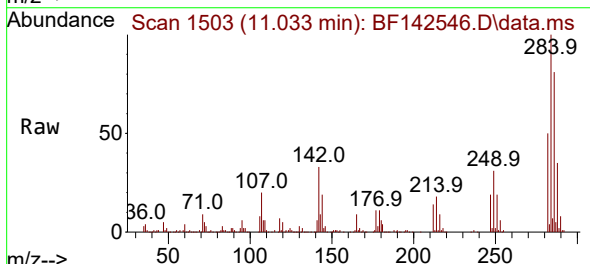
Tgt Ion:248 Resp: 134660  
Ion Ratio Lower Upper  
248 100  
250 99.2 79.0 118.4  
141 73.0 58.4 87.6

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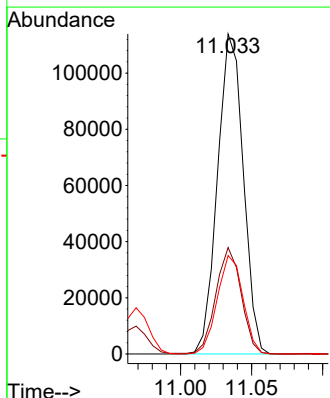
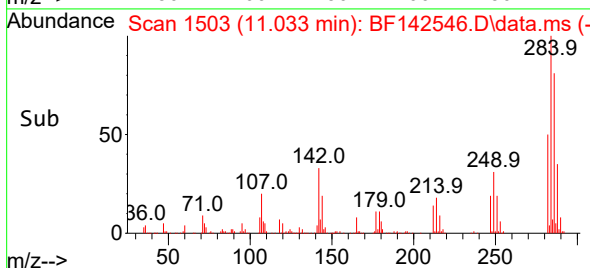
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

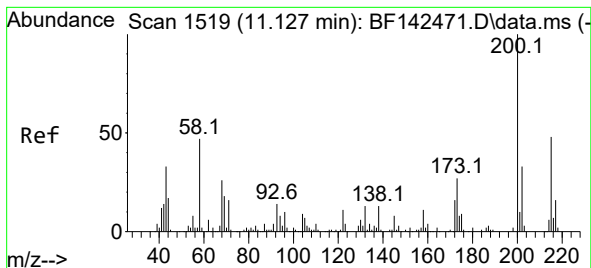


#68  
Hexachlorobenzene  
Concen: 39.511 ng  
RT: 11.033 min Scan# 1503  
Delta R.T. -0.012 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:284 Resp: 143808  
Ion Ratio Lower Upper  
284 100  
142 33.3 24.8 37.2  
249 30.7 23.6 35.4





#69

Atrazine

Concen: 48.757 ng

RT: 11.122 min Scan# 1518

Delta R.T. -0.005 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion:200 Resp: 123289

Ion Ratio Lower Upper

200 100

173 28.0 7.4 47.4

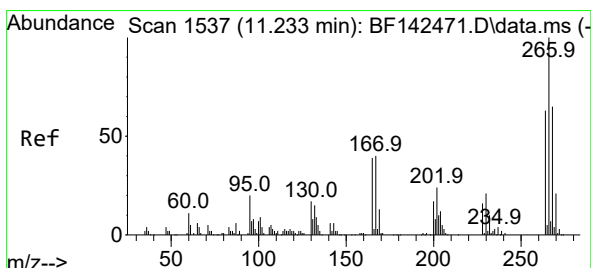
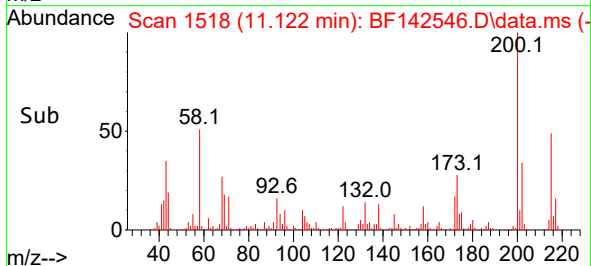
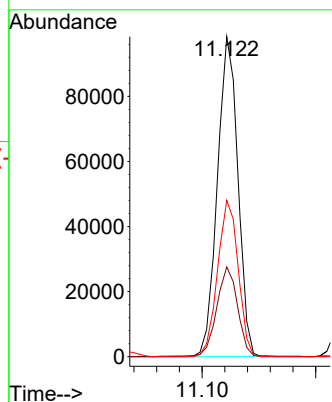
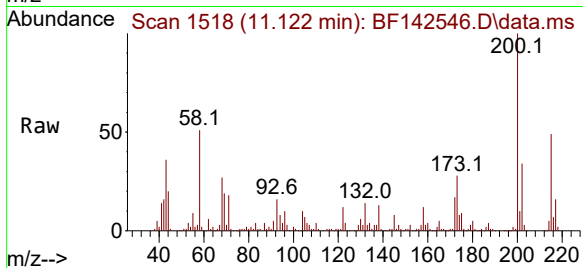
215 48.9 28.5 68.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#70

Pentachlorophenol

Concen: 91.704 ng

RT: 11.227 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

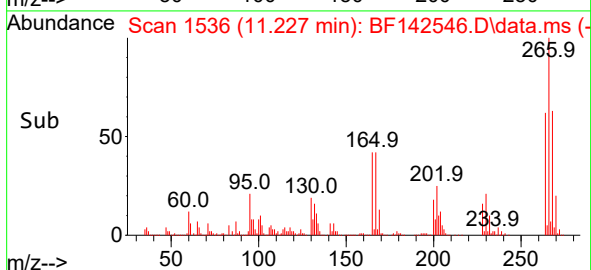
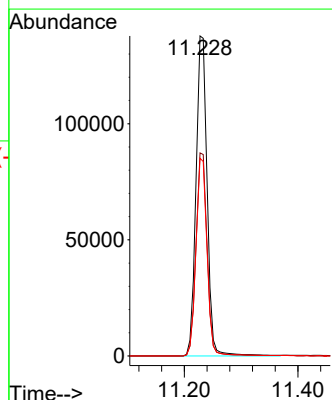
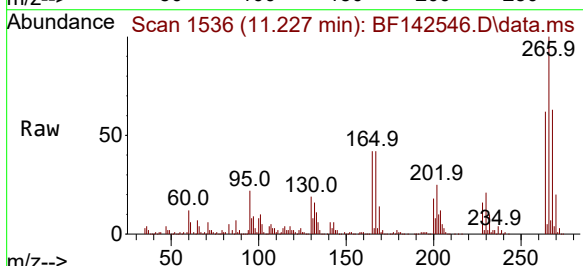
Tgt Ion:266 Resp: 188441

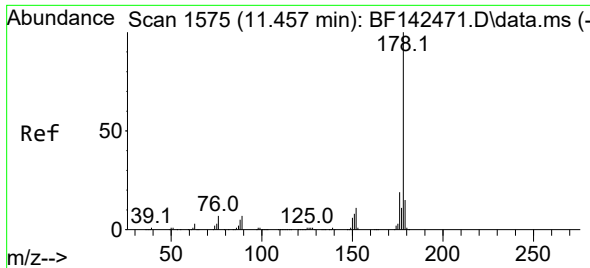
Ion Ratio Lower Upper

266 100

268 63.5 51.7 77.5

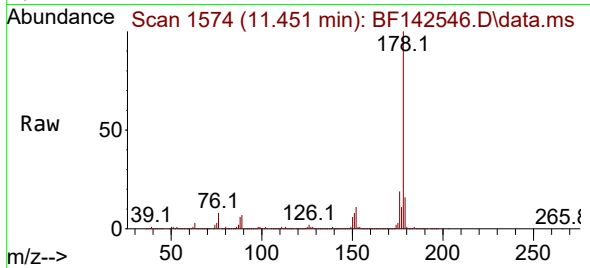
264 61.8 50.4 75.6





#71  
Phenanthrene  
Concen: 62.107 ng  
RT: 11.451 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

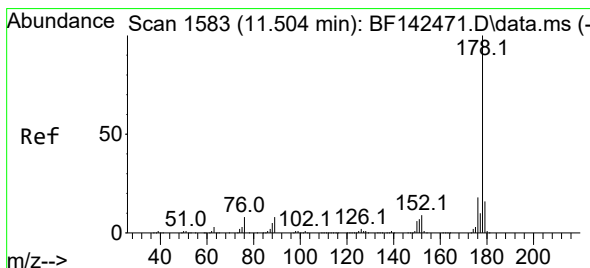
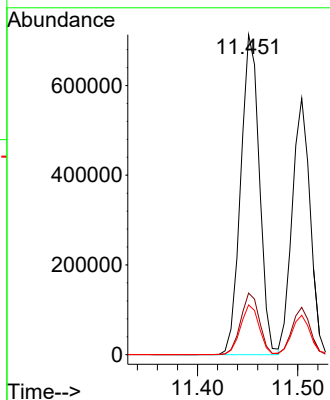
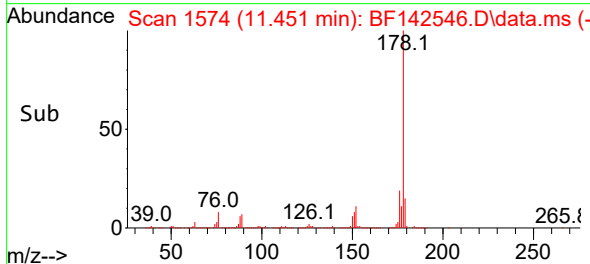
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:178 Resp: 92373  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.5 12.3 18.5

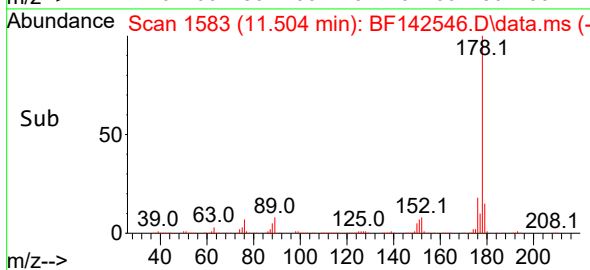
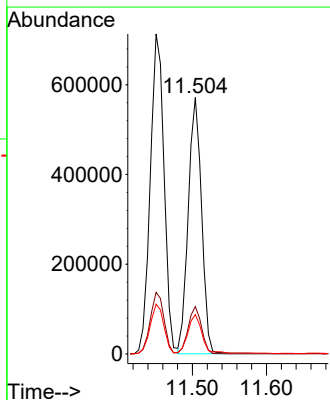
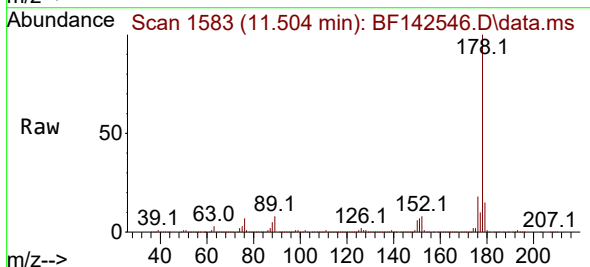
Manual Integrations  
APPROVED

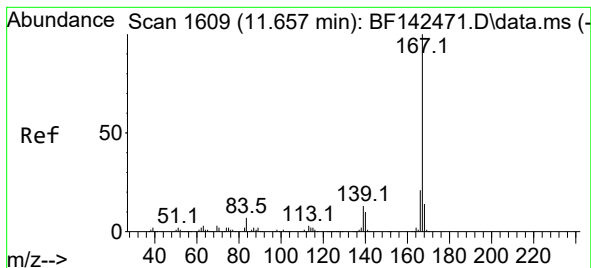
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#72  
Anthracene  
Concen: 47.046 ng  
RT: 11.504 min Scan# 1583  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:178 Resp: 714116  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 21.8  
179 15.4 12.4 18.6





#73

Carbazole

Concen: 48.695 ng

RT: 11.657 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF142546.D

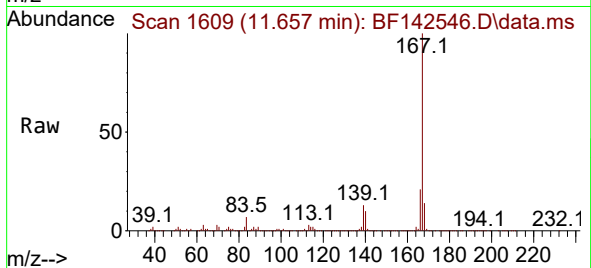
Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD



Tgt Ion:167 Resp: 631894

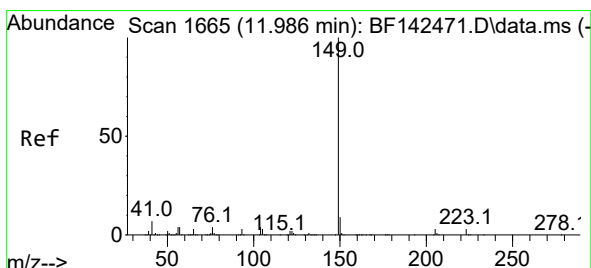
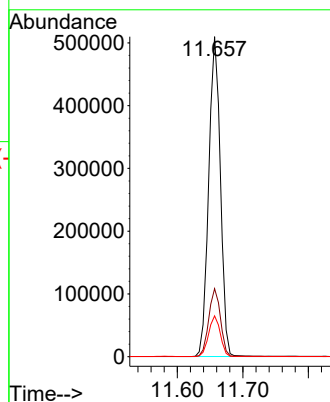
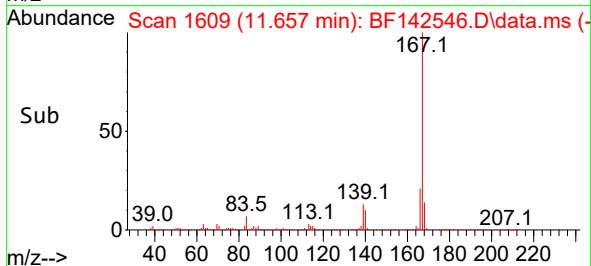
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.3  | 16.9  | 25.3  |
| 139 | 12.7  | 10.2  | 15.4  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#74

Di-n-butylphthalate

Concen: 49.741 ng

RT: 11.986 min Scan# 1665

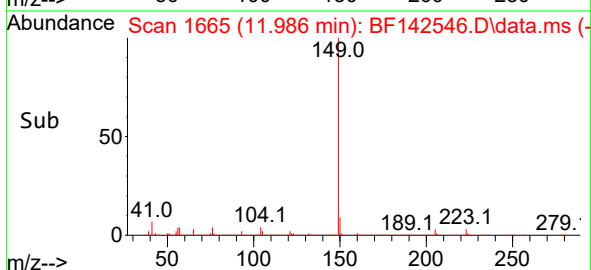
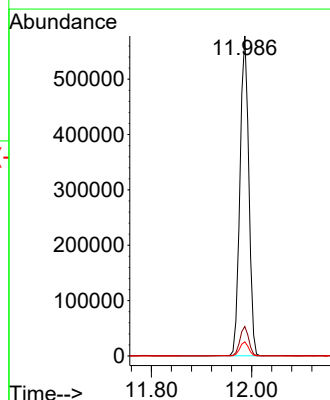
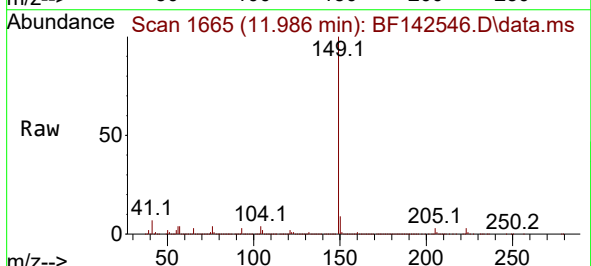
Delta R.T. -0.006 min

Lab File: BF142546.D

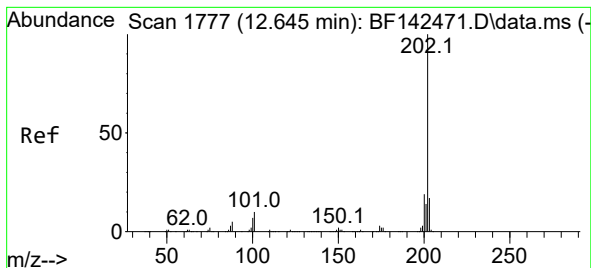
Acq: 23 May 2025 20:25

Tgt Ion:149 Resp: 706526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.2   | 7.3   | 10.9  |
| 104 | 4.4   | 3.6   | 5.4   |

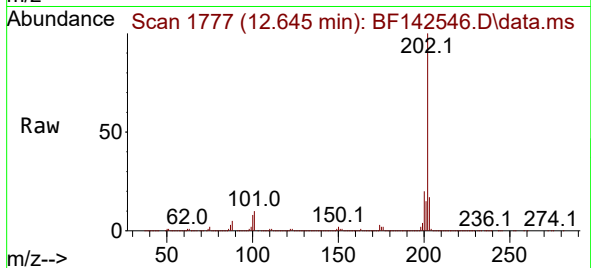






#75  
Fluoranthene  
Concen: 74.386 ng  
RT: 12.645 min Scan# 1777  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

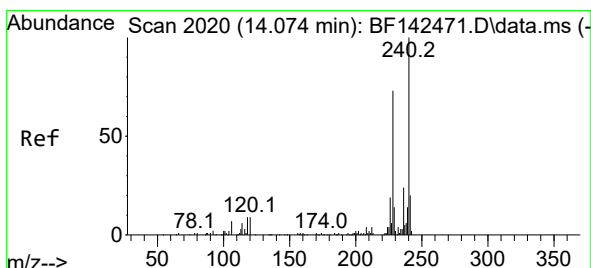
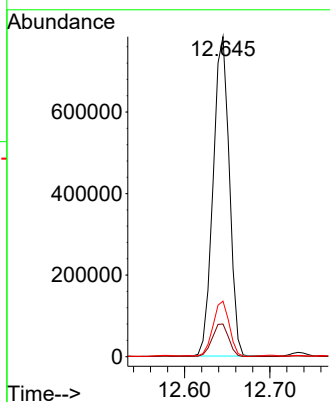
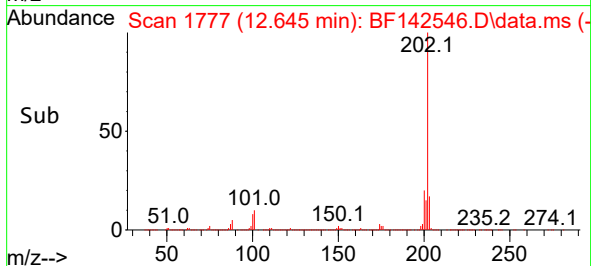
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:202 Resp: 1033784  
Ion Ratio Lower Upper  
202 100  
101 10.2 0.0 29.6  
203 17.4 0.0 37.2

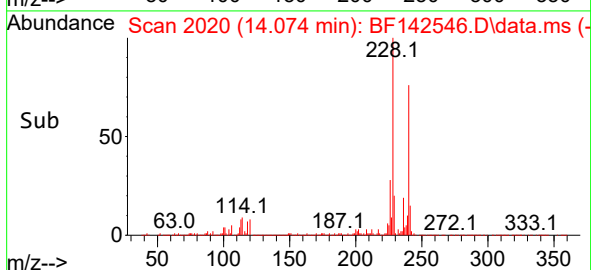
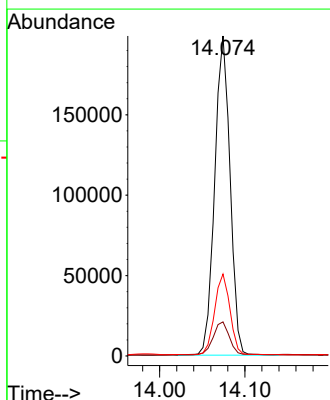
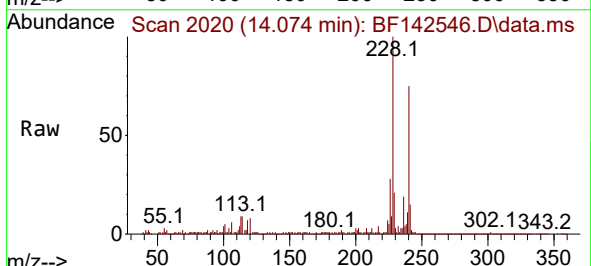
Manual Integrations  
APPROVED

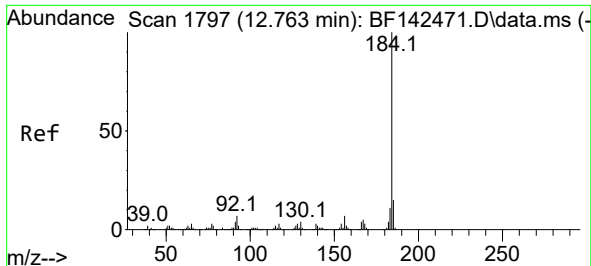
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.074 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

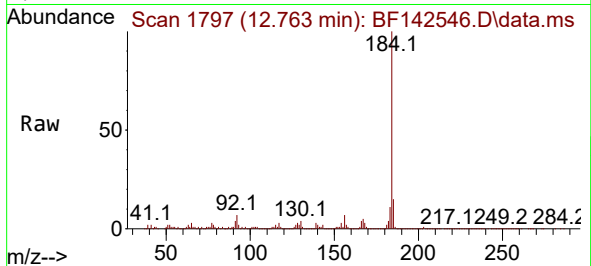
Tgt Ion:240 Resp: 249276  
Ion Ratio Lower Upper  
240 100  
120 10.6 7.5 11.3  
236 25.6 19.6 29.4





#77  
Benzidine  
Concen: 42.074 ng  
RT: 12.763 min Scan# 1797  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

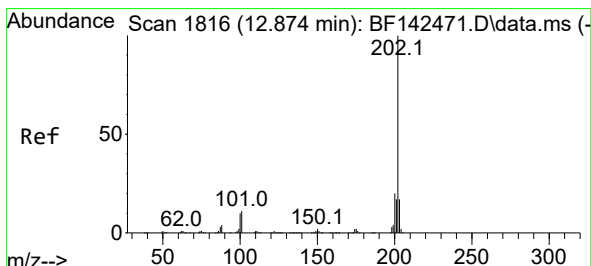
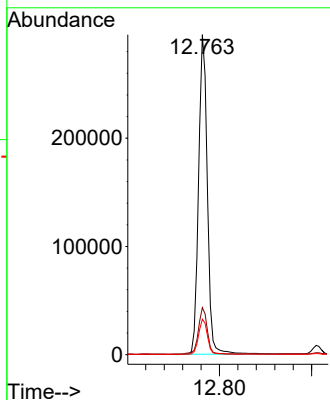
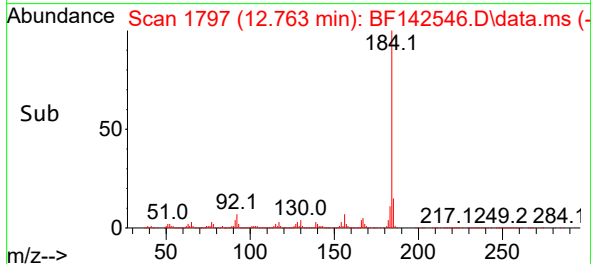
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:184 Resp: 390295  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.6 17.4  
183 11.1 9.0 13.4

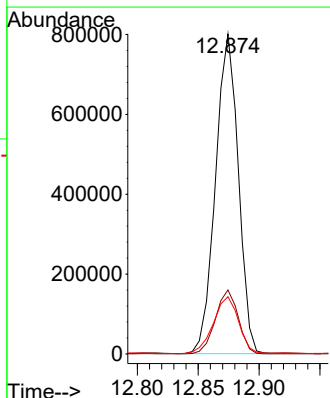
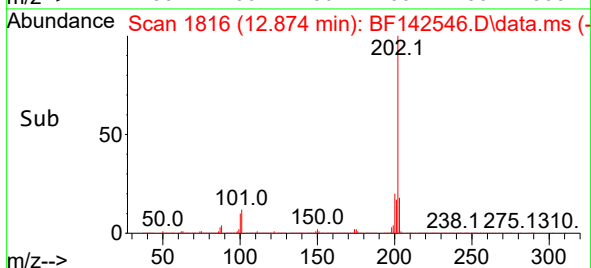
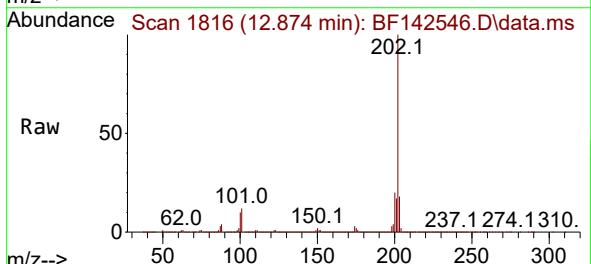
Manual Integrations  
APPROVED

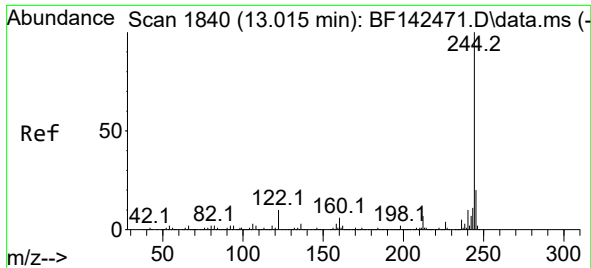
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#78  
Pyrene  
Concen: 44.897 ng  
RT: 12.874 min Scan# 1816  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

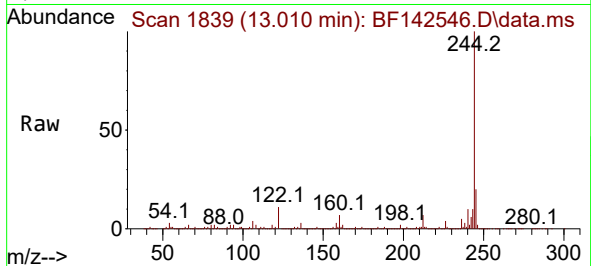
Tgt Ion:202 Resp: 1044033  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.1 24.1  
203 17.9 13.9 20.9





#79  
Terphenyl-d14  
Concen: 43.276 ng  
RT: 13.010 min Scan# 1840  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

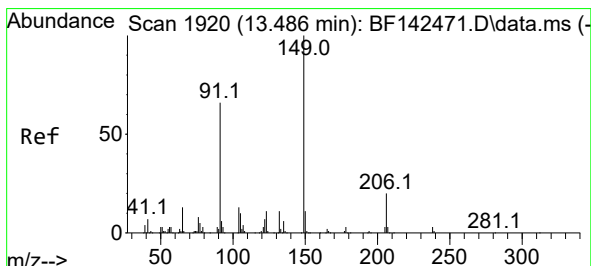
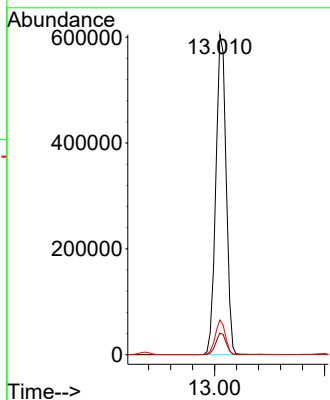
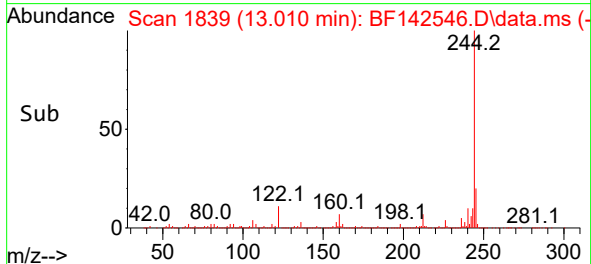
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



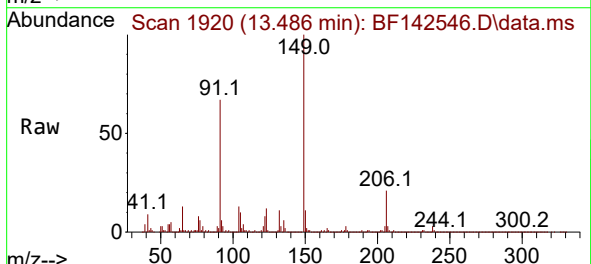
Tgt Ion:244 Resp: 789414  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.3 7.9  
122 10.9 8.2 12.2

Manual Integrations  
APPROVED

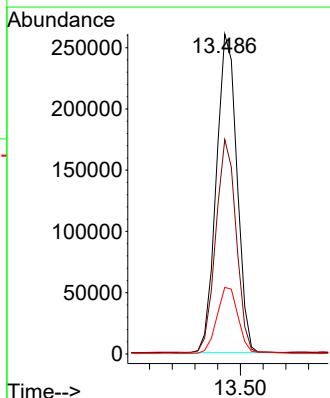
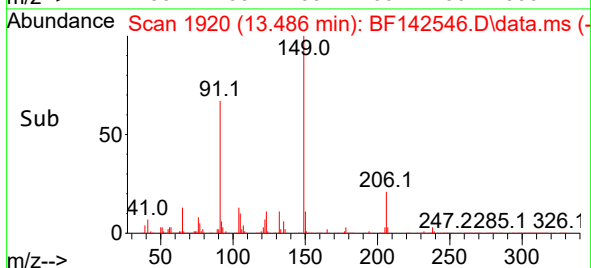
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025

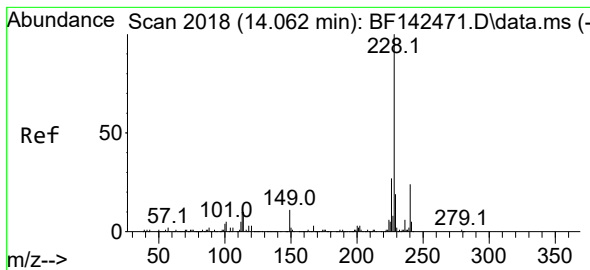


#80  
Butylbenzylphthalate  
Concen: 51.015 ng  
RT: 13.486 min Scan# 1920  
Delta R.T. -0.006 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25



Tgt Ion:149 Resp: 327796  
Ion Ratio Lower Upper  
149 100  
91 67.0 52.9 79.3  
206 20.8 16.2 24.2





#81

Benzo(a)anthracene

Concen: 49.972 ng

RT: 14.063 min Scan# 2018

Delta R.T. 0.000 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion:228 Resp: 831808

Ion Ratio Lower Upper

228 100

226 27.8 21.2 31.8

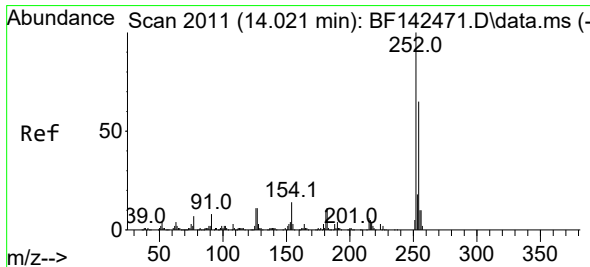
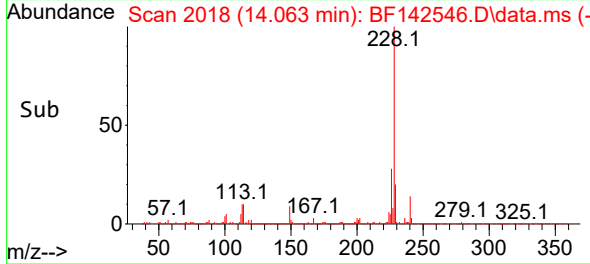
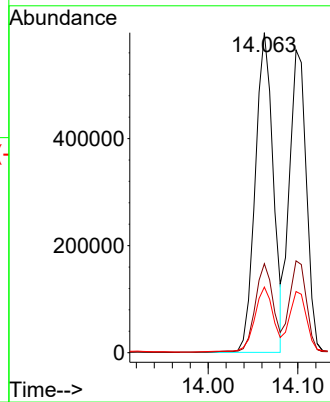
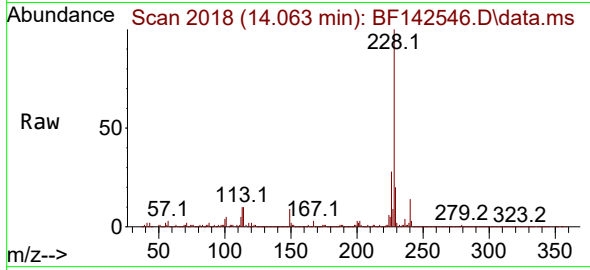
229 20.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#82

3,3'-Dichlorobenzidine

Concen: 31.563 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

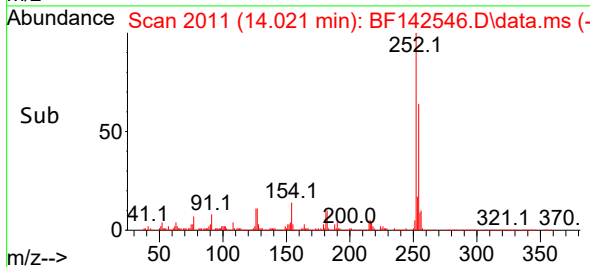
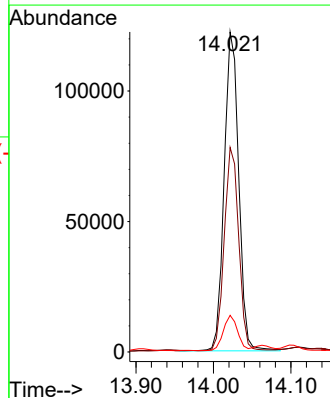
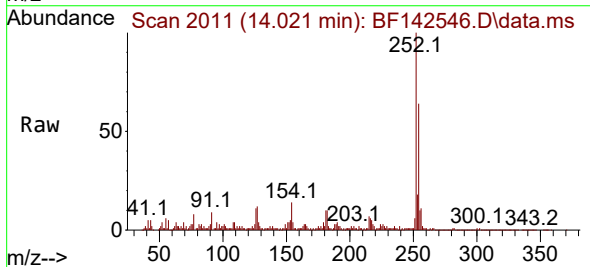
Tgt Ion:252 Resp: 159355

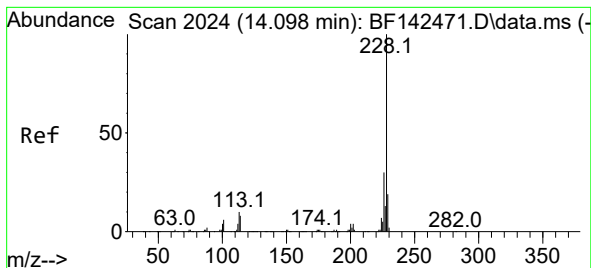
Ion Ratio Lower Upper

252 100

254 63.9 52.0 78.0

126 11.5 8.9 13.3





#83

Chrysene

Concen: 49.471 ng

RT: 14.098 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion:228 Resp: 739930

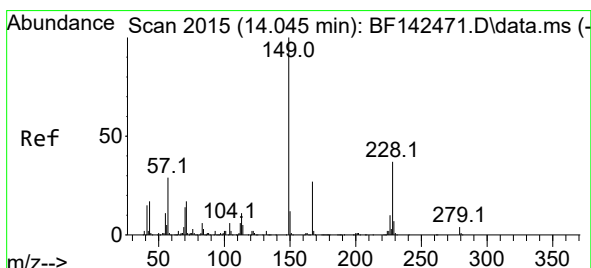
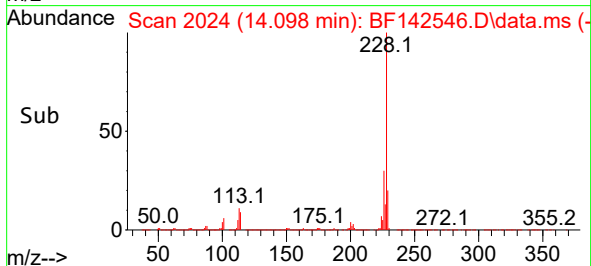
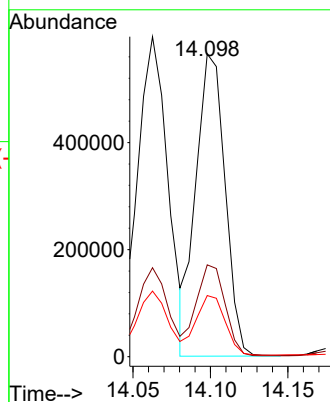
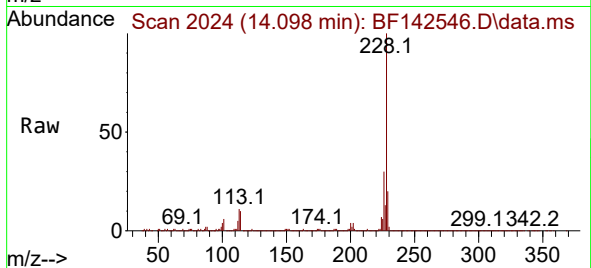
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.3  | 23.8  | 35.6  |
| 229 | 20.2  | 15.4  | 23.2  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.120 ng

RT: 14.045 min Scan# 2015

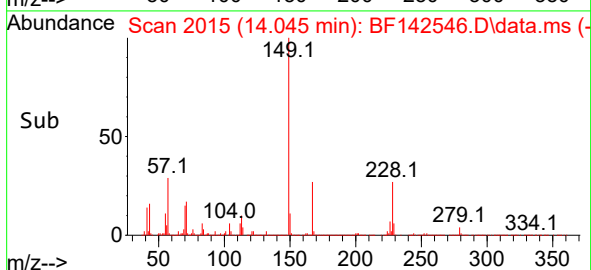
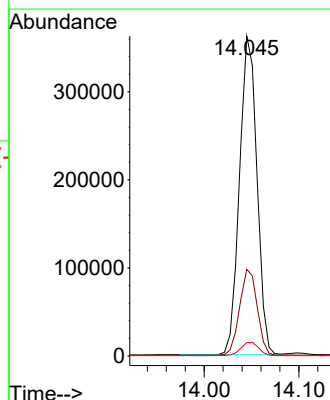
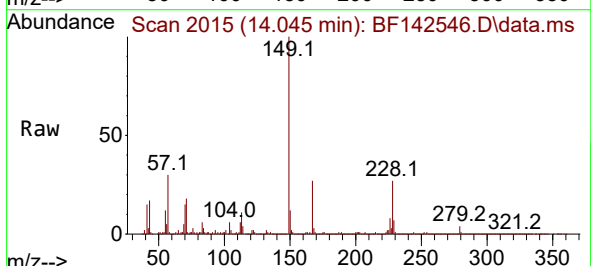
Delta R.T. -0.006 min

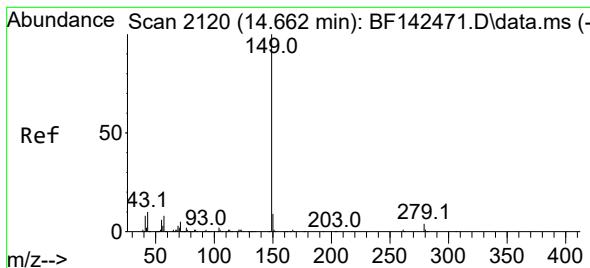
Lab File: BF142546.D

Acq: 23 May 2025 20:25

Tgt Ion:149 Resp: 461617

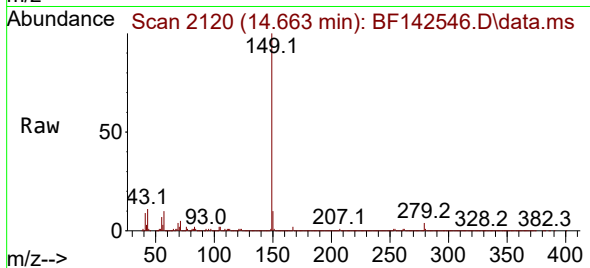
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.1  | 21.5  | 32.3  |
| 279 | 4.2   | 3.2   | 4.8   |





#85  
Di-n-octyl phthalate  
Concen: 46.758 ng  
RT: 14.663 min Scan# 2120  
Delta R.T. -0.005 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

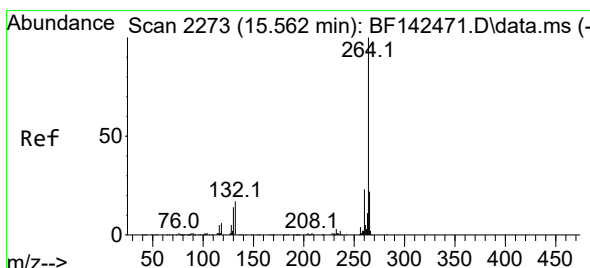
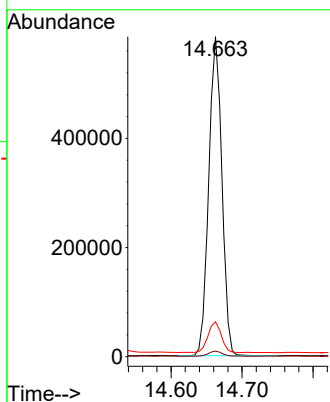
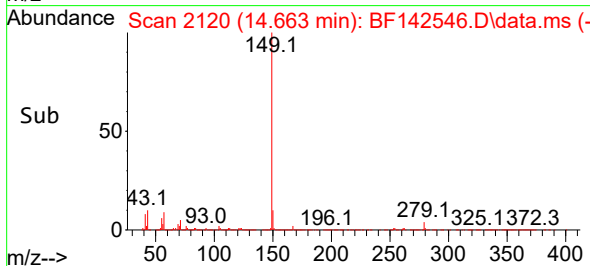
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:149 Resp: 752033  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.9 7.9 11.9

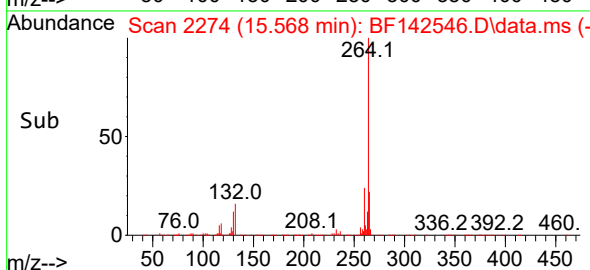
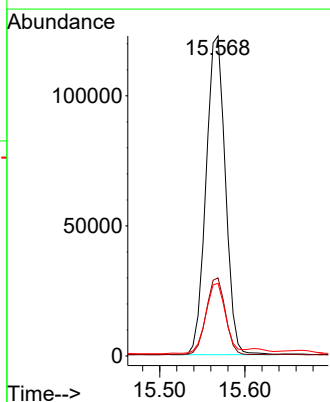
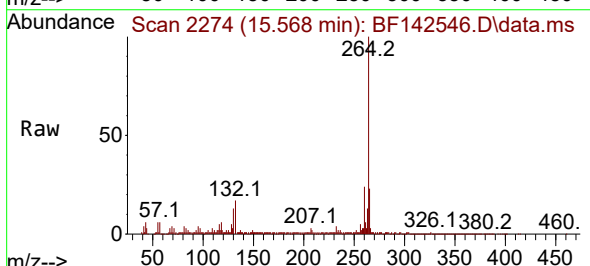
Manual Integrations  
APPROVED

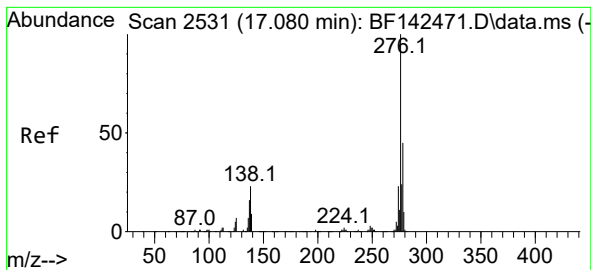
Reviewed By :Rahul Chavli 05/27/2025  
Supervised By :Jagrut Upadhyay 05/27/2025



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.568 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:264 Resp: 193062  
Ion Ratio Lower Upper  
264 100  
260 24.4 18.6 28.0  
265 22.7 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.866 ng

RT: 17.080 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNA\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion:276 Resp: 505350

Ion Ratio Lower Upper

276 100

138 25.2 19.9 29.9

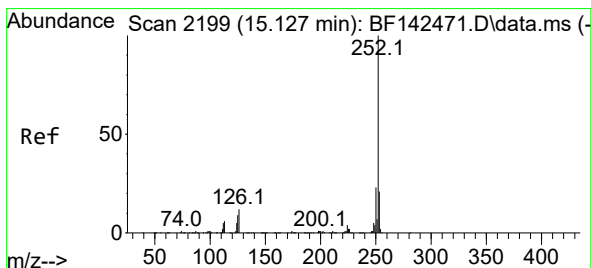
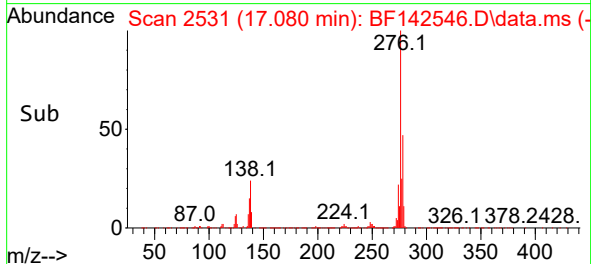
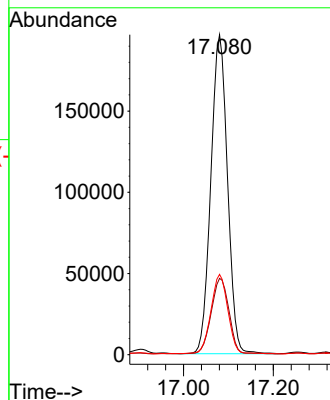
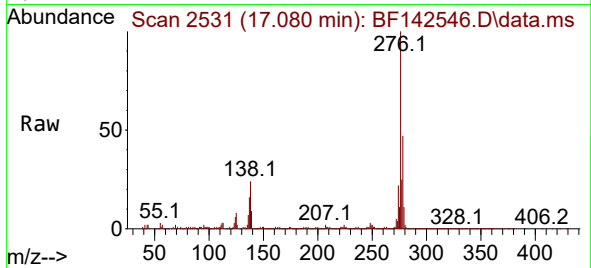
277 25.6 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#88

Benzo(b)fluoranthene

Concen: 62.258 ng

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

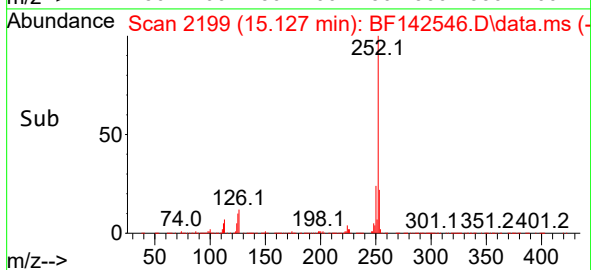
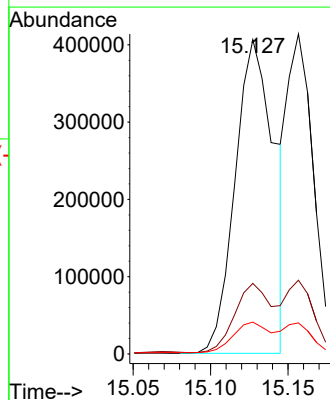
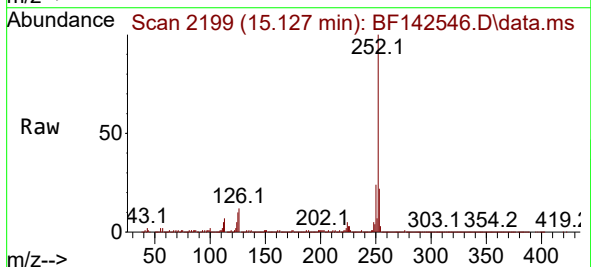
Tgt Ion:252 Resp: 711379

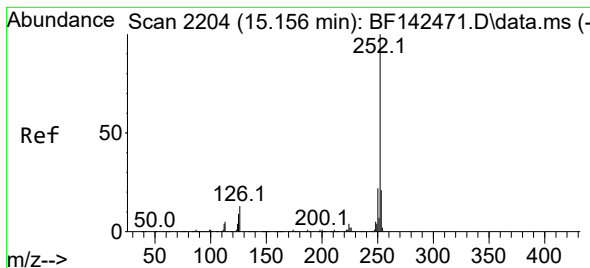
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

125 10.1 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.237 ng

RT: 15.157 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

Instrument :

BNF\_F

ClientSampleId :

TP-02-MHFMSD

Tgt Ion:252 Resp: 48412

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.4

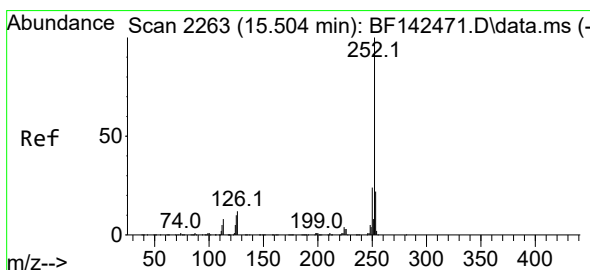
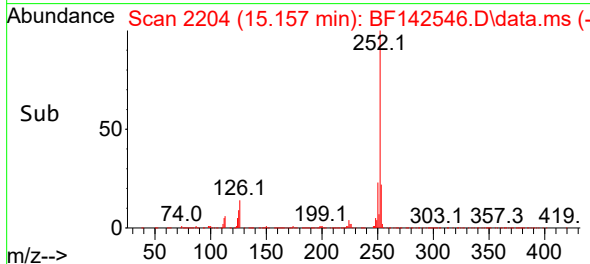
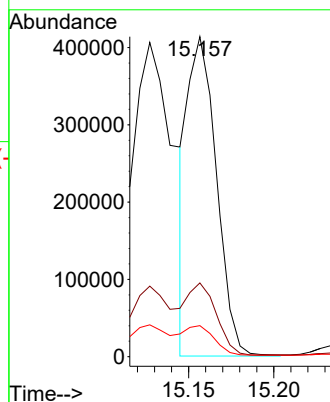
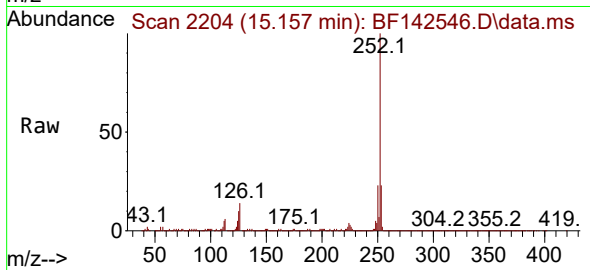
125 9.7 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/27/2025

Supervised By :Jagrut Upadhyay 05/27/2025



#90

Benzo(a)pyrene

Concen: 50.085 ng

RT: 15.504 min Scan# 2263

Delta R.T. -0.006 min

Lab File: BF142546.D

Acq: 23 May 2025 20:25

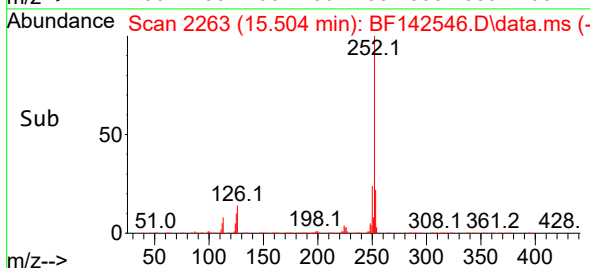
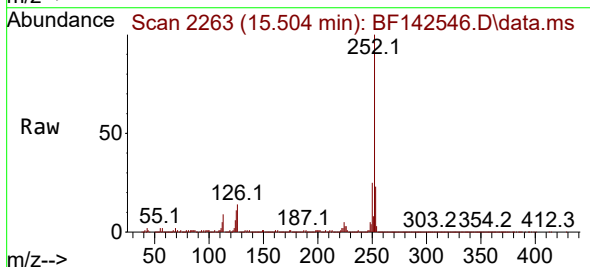
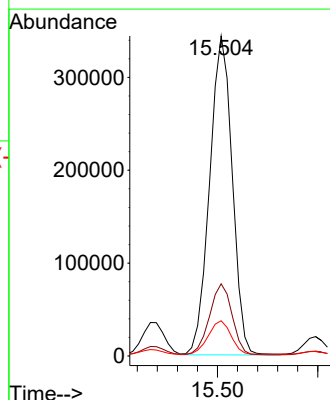
Tgt Ion:252 Resp: 539437

Ion Ratio Lower Upper

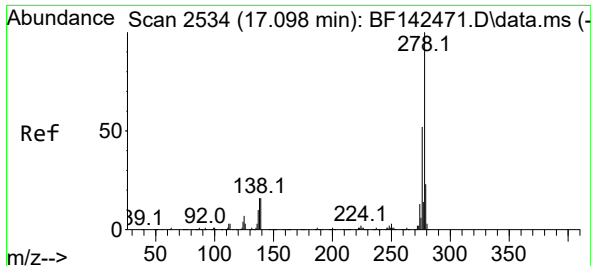
252 100

253 22.6 17.4 26.0

125 11.0 7.9 11.9

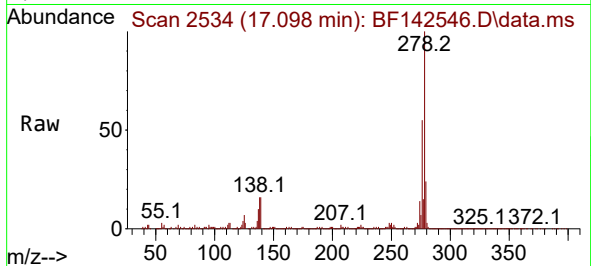






#91  
Dibenzo(a,h)anthracene  
Concen: 33.712 ng  
RT: 17.098 min Scan# 2534  
Delta R.T. -0.017 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

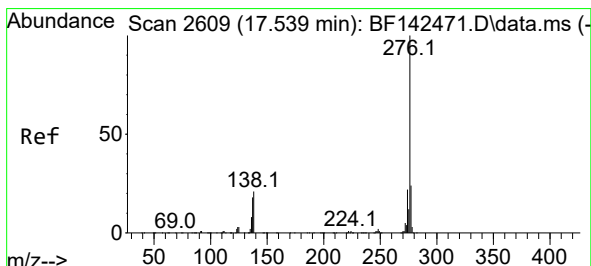
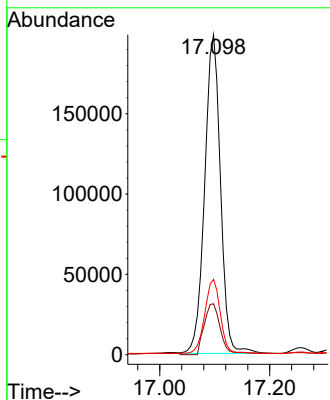
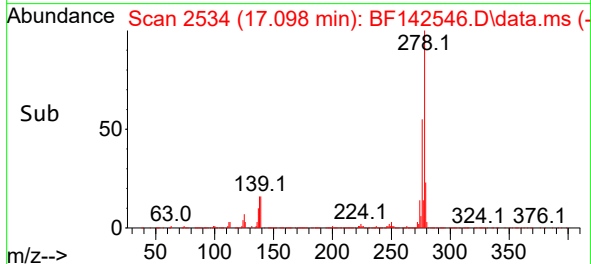
Instrument :  
BNA\_F  
ClientSampleId :  
TP-02-MHFMSD



Tgt Ion:278 Resp: 39629  
Ion Ratio Lower Upper  
278 100  
139 15.9 12.8 19.2  
279 23.5 18.6 28.0

Manual Integrations  
APPROVED

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



#92  
Benzo(g,h,i)perylene  
Concen: 34.943 ng  
RT: 17.539 min Scan# 2609  
Delta R.T. -0.017 min  
Lab File: BF142546.D  
Acq: 23 May 2025 20:25

Tgt Ion:276 Resp: 410855  
Ion Ratio Lower Upper  
276 100  
277 23.2 19.2 28.8  
138 21.3 16.8 25.2

