

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF061925\  
 Data File : BF142798.D  
 Acq On : 19 Jun 2025 22:40  
 Operator : RC/JU  
 Sample : PB168536BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

Quant Time: Jun 20 10:51:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 20 05:06:14 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 83355    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 309768   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 161197   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.410 | 188  | 265537   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.057 | 240  | 157463   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 179007   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 625056   | 62.424 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 733919   | 62.126 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 458408   | 40.585 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.716 | 330  | 220421   | 66.439 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 972463   | 39.625 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 873008   | 38.302 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 71718    | 35.814 | ng    | 100      |
| 3) Pyridine                   | 3.481  | 79   | 198286   | 39.498 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.434  | 42   | 114895   | 44.258 | ng    | 99       |
| 6) Aniline                    | 6.545  | 93   | 258391   | 32.877 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 245036   | 45.372 | ng    | 97       |
| 9) Benzaldehyde               | 6.434  | 77   | 154180   | 43.997 | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 281731   | 42.909 | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 214252   | 45.657 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 265563   | 43.968 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 268195   | 44.011 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 258499   | 44.723 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 192916   | 45.178 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 335358   | 44.481 | ng    | 99       |
| 17) 2-Methylphenol            | 7.134  | 107  | 184407   | 45.058 | ng    | 98       |
| 18) Hexachloroethane          | 7.392  | 117  | 95461    | 44.787 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 154685   | 45.027 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 227760   | 44.634 | ng    | 98       |
| 22) Acetophenone              | 7.292  | 105  | 311793   | 45.644 | ng    | 100      |
| 24) Nitrobenzene              | 7.463  | 77   | 232428   | 45.472 | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 412390   | 45.521 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.781  | 139  | 132472   | 47.576 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 215585   | 44.698 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 264787   | 45.974 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 196645   | 44.966 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 220256   | 45.802 | ng    | 99       |
| 31) Naphthalene               | 8.187  | 128  | 688912   | 45.435 | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 121104   | 49.263 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 117766   | 19.101 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 134963   | 45.883 | ng    | 100      |
| 35) Caprolactam               | 8.604  | 113  | 36053    | 31.242 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 195799   | 45.050 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 425492   | 45.264 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 438148   | 45.026 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 215266   | 45.258 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 269060   | 99.683 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 141207   | 45.560 | ng    | 98       |

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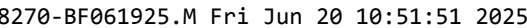
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

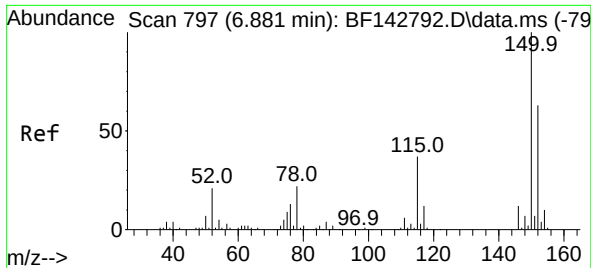
Quant Time: Jun 20 10:51:39 2025  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 20 05:06:14 2025  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 144269   | 44.218  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 578239   | 45.410  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 424437   | 44.417  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 121311   | 45.282  | ng    | 97       |
| 49) Acenaphthylene            | 9.786  | 152  | 699789   | 44.485  | ng    | 100      |
| 50) Dimethylphthalate         | 9.645  | 163  | 476429   | 45.660  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.704  | 165  | 107112   | 46.744  | ng    | 99       |
| 52) Acenaphthene              | 9.957  | 154  | 480245   | 50.037  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 61523    | 24.385  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 130635   | 113.854 | ng    | 95       |
| 55) Dibenzofuran              | 10.128 | 168  | 615545   | 44.725  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 168132   | 97.343  | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 147507   | 48.462  | ng    | 98       |
| 58) Fluorene                  | 10.475 | 166  | 477642   | 44.438  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 121792   | 46.311  | ng    | 96       |
| 60) Diethylphthalate          | 10.345 | 149  | 477692   | 46.692  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 228224   | 44.496  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 104723   | 45.386  | ng    | 99       |
| 63) Azobenzene                | 10.622 | 77   | 414351   | 45.315  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 79081    | 49.237  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 412551   | 44.829  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 138555   | 45.848  | ng    | 95       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 153776   | 45.794  | ng    | 99       |
| 69) Atrazine                  | 11.110 | 200  | 121265   | 51.027  | ng    | 100      |
| 70) Pentachlorophenol         | 11.216 | 266  | 164469   | 98.290  | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 650212   | 45.203  | ng    | 100      |
| 72) Anthracene                | 11.486 | 178  | 663251   | 44.959  | ng    | 100      |
| 73) Carbazole                 | 11.645 | 167  | 589939   | 46.340  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 664973   | 50.141  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 631787   | 46.280  | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 235765   | 39.852  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 637679   | 43.204  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 223198   | 52.132  | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 493037   | 46.414  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 68848    | 19.982  | ng    | 99       |
| 83) Chrysene                  | 14.086 | 228  | 462320   | 48.774  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 307417   | 49.906  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 548122   | 47.189  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 624221   | 45.781  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 538352   | 51.974  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 438761   | 45.276  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 487619   | 48.729  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.080 | 278  | 507840   | 45.840  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 505570   | 45.765  | ng    | 99       |

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

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QLast Update : Fri Jun 20 05:06:14 2025  
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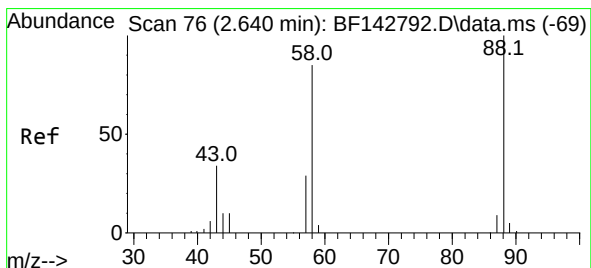
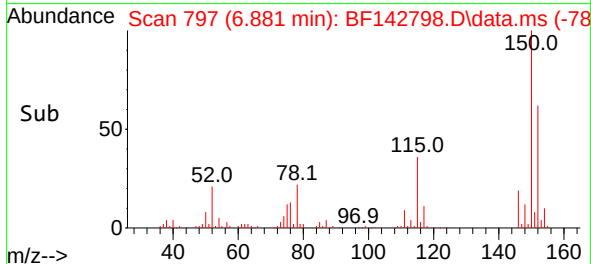
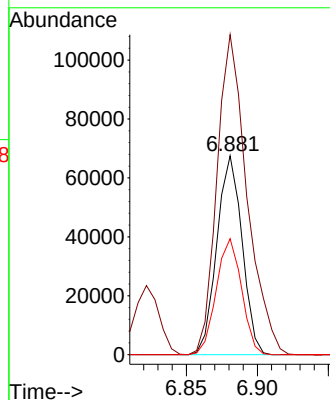
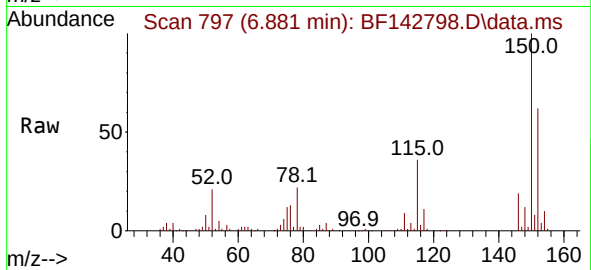




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 79  
 Delta R.T. -0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

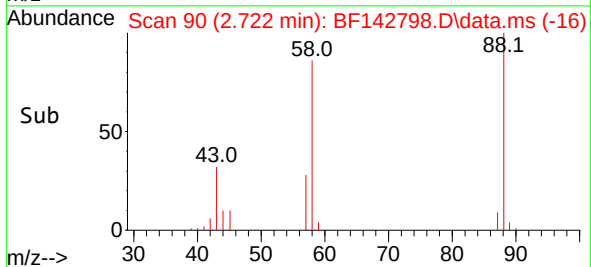
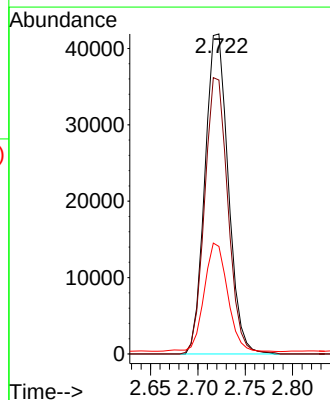
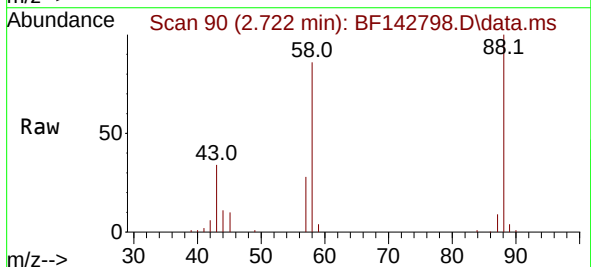
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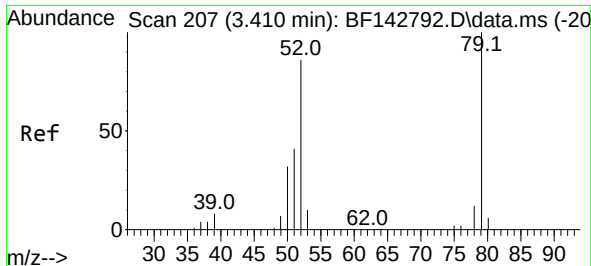
Tgt Ion:152 Resp: 83355  
 Ion Ratio Lower Upper  
 152 100  
 150 160.8 127.2 190.8  
 115 58.3 46.6 69.8



#2  
 1,4-Dioxane  
 Concen: 35.814 ng  
 RT: 2.722 min Scan# 90  
 Delta R.T. 0.082 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

Tgt Ion: 88 Resp: 71718  
 Ion Ratio Lower Upper  
 88 100  
 58 86.3 69.1 103.7  
 43 34.1 27.4 41.2





#3

Pyridine

Concen: 39.498 ng

RT: 3.481 min Scan# 211

Delta R.T. 0.071 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

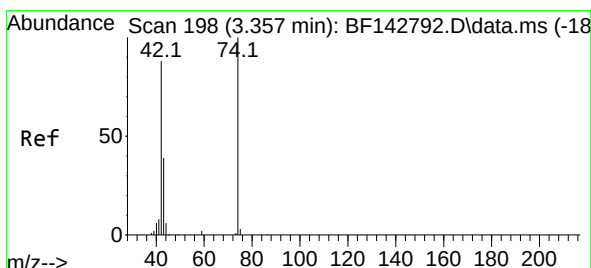
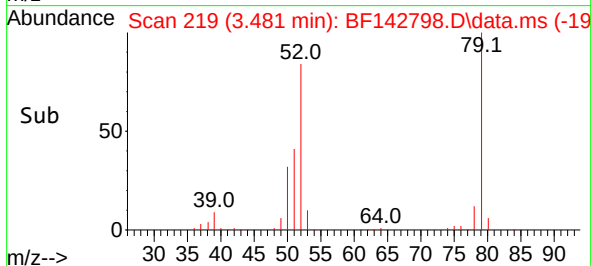
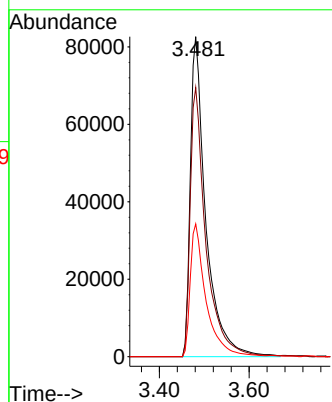
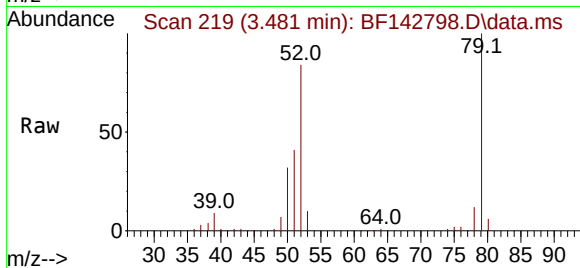
Tgt Ion: 79 Resp: 198286

Ion Ratio Lower Upper

79 100

52 84.1 69.2 103.8

51 41.5 33.2 49.8



#4

n-Nitrosodimethylamine

Concen: 44.258 ng

RT: 3.434 min Scan# 211

Delta R.T. 0.077 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

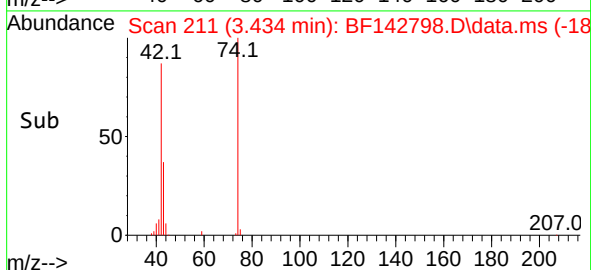
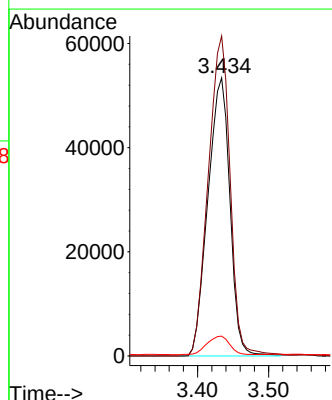
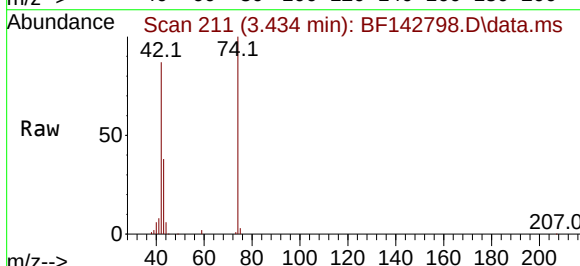
Tgt Ion: 42 Resp: 114895

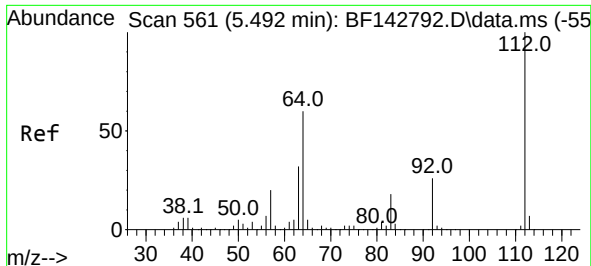
Ion Ratio Lower Upper

42 100

74 115.1 90.9 136.3

44 7.1 5.8 8.6

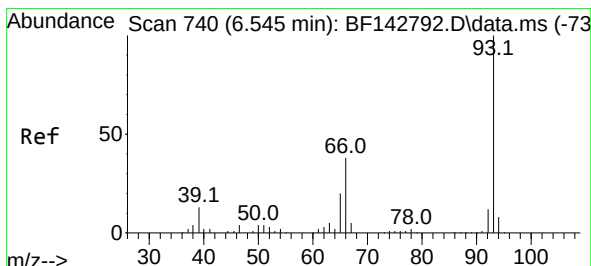
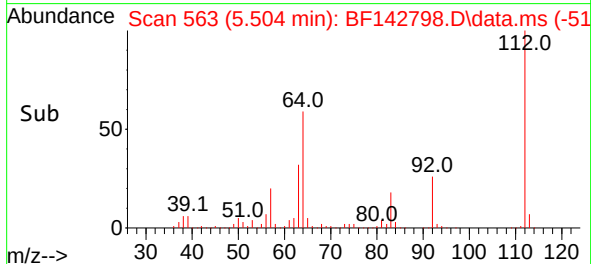
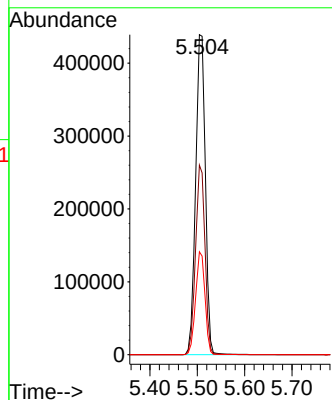
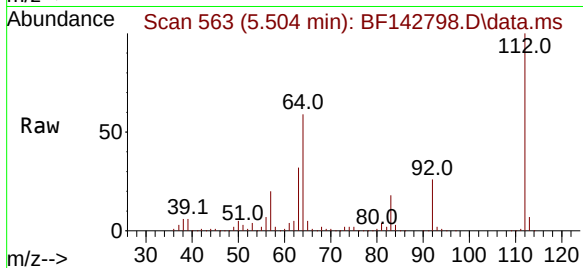




#5  
2-Fluorophenol  
Concen: 62.424 ng  
RT: 5.504 min Scan# 504  
Delta R.T. 0.012 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

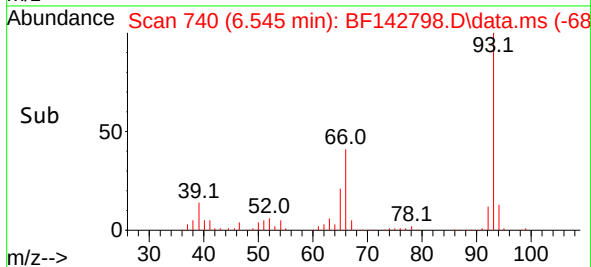
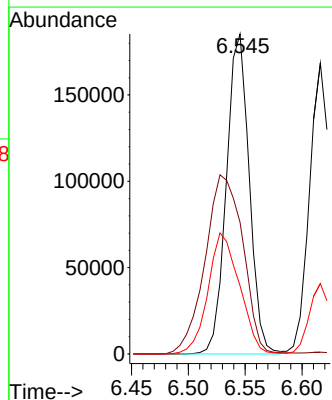
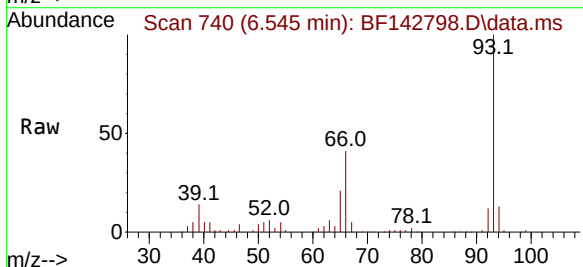
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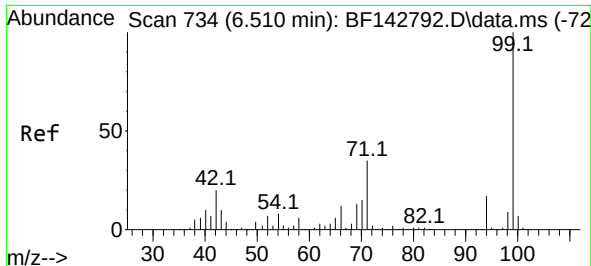
Tgt Ion:112 Resp: 625056  
Ion Ratio Lower Upper  
112 100  
64 59.3 48.2 72.2  
63 32.1 25.7 38.5



#6  
Aniline  
Concen: 32.877 ng  
RT: 6.545 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 93 Resp: 258391  
Ion Ratio Lower Upper  
93 100  
66 41.1 31.8 47.6  
65 21.3 16.2 24.2





#7

Phenol-d6

Concen: 62.126 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

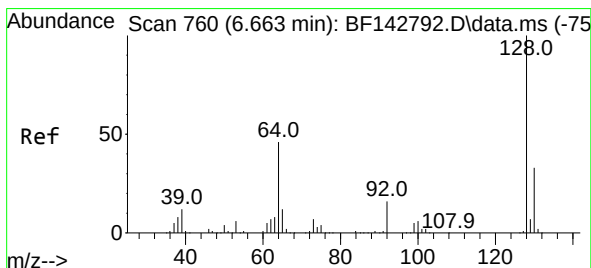
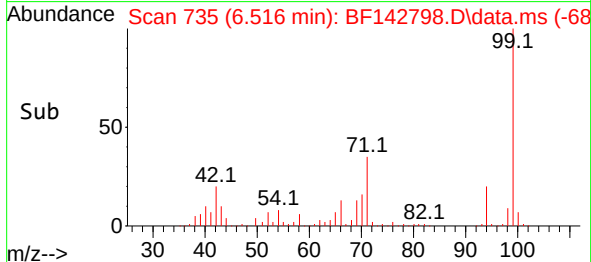
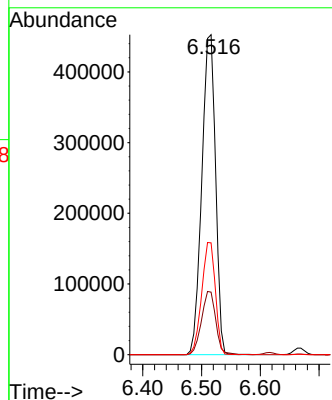
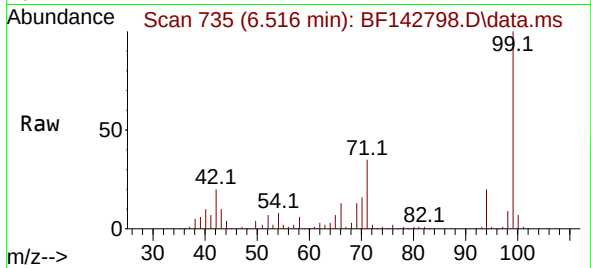
Tgt Ion: 99 Resp: 733919

Ion Ratio Lower Upper

99 100

42 19.6 15.9 23.9

71 34.9 27.8 41.8



#8

2-Chlorophenol

Concen: 45.372 ng

RT: 6.669 min Scan# 761

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

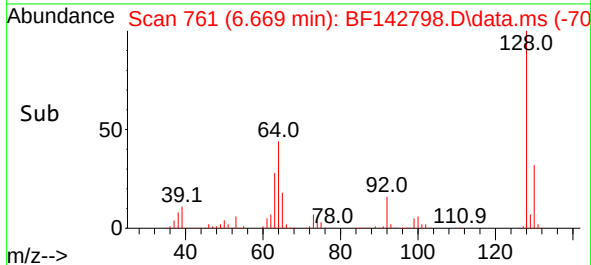
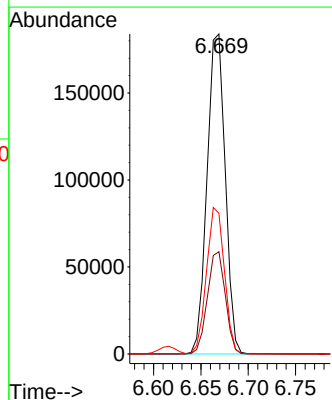
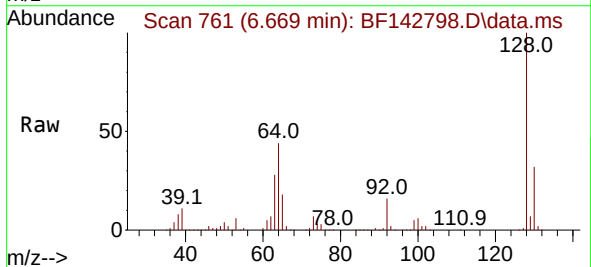
Tgt Ion:128 Resp: 245036

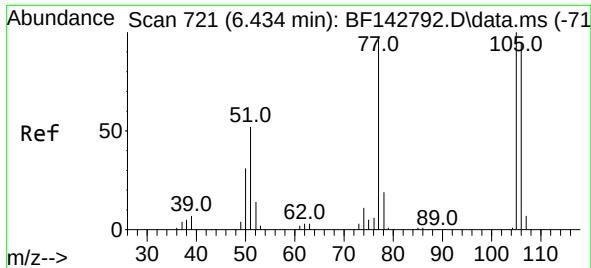
Ion Ratio Lower Upper

128 100

130 31.9 12.7 52.7

64 44.0 26.5 66.5

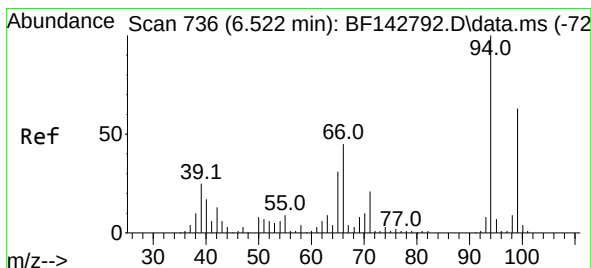
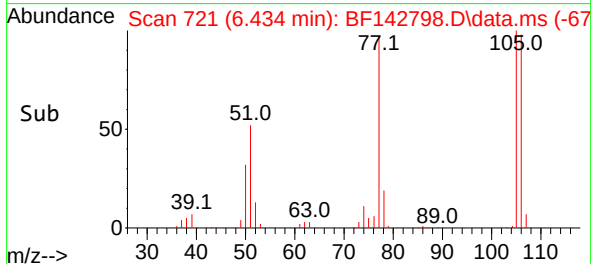
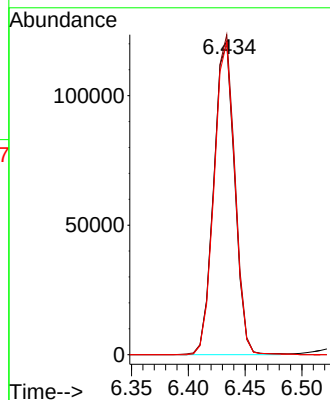
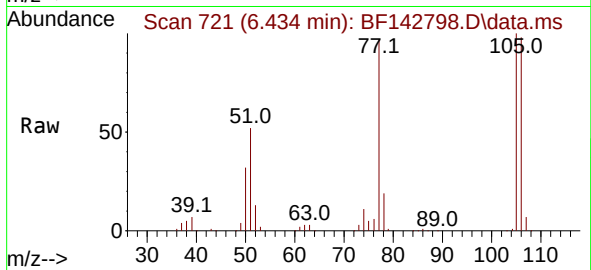




#9  
Benzaldehyde  
Concen: 43.997 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

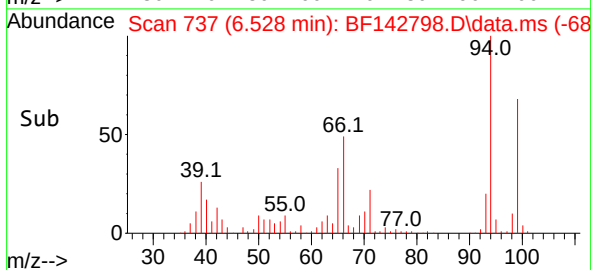
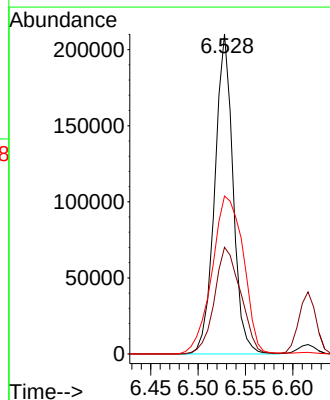
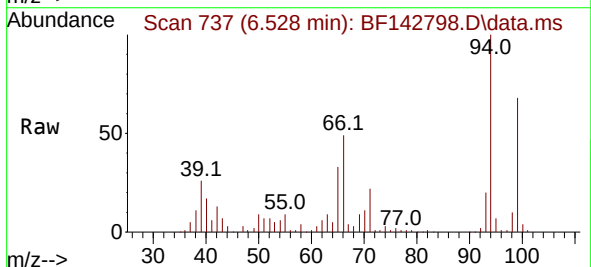
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

Tgt Ion: 77 Resp: 154180  
Ion Ratio Lower Upper  
77 100  
105 102.7 83.8 123.8  
106 100.3 78.7 118.7

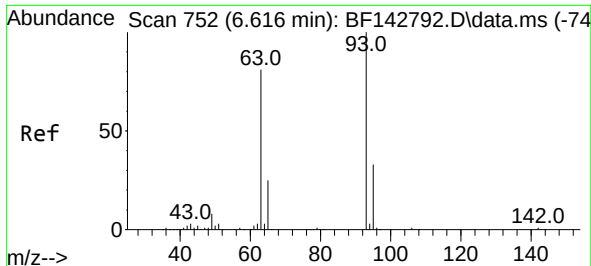


#10  
Phenol  
Concen: 42.909 ng  
RT: 6.528 min Scan# 737  
Delta R.T. 0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 94 Resp: 281731  
Ion Ratio Lower Upper  
94 100  
65 33.4 11.3 51.3  
66 49.4 24.9 64.9







#11

bis(2-Chloroethyl)ether

Concen: 45.657 ng

RT: 6.616 min Scan# 752

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

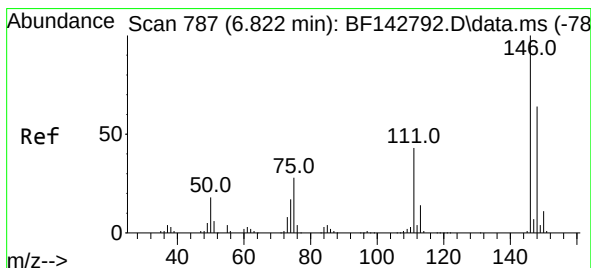
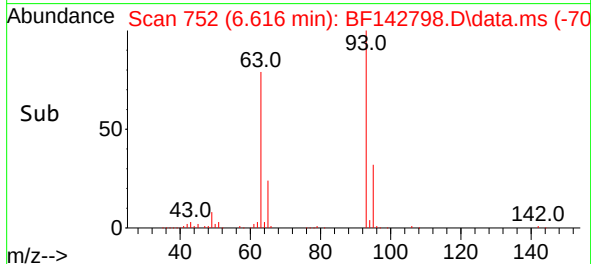
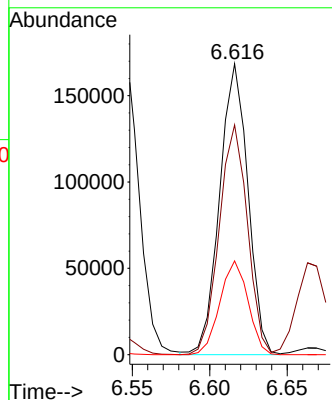
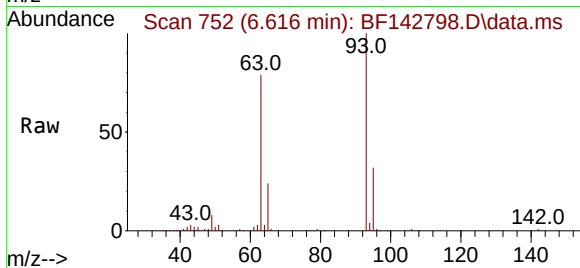
Tgt Ion: 93 Resp: 214252

Ion Ratio Lower Upper

93 100

63 79.0 60.3 100.3

95 32.2 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 43.968 ng

RT: 6.822 min Scan# 787

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

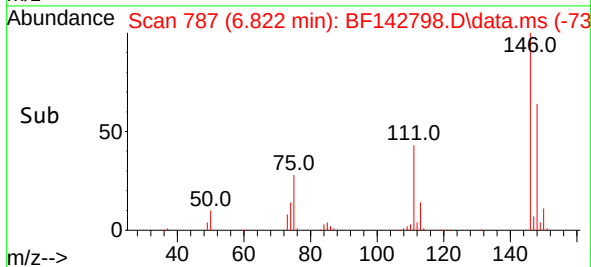
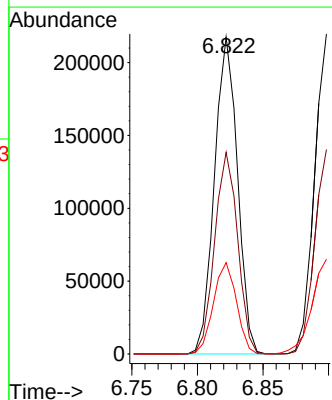
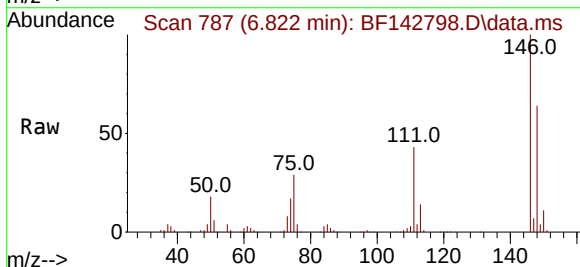
Tgt Ion:146 Resp: 265563

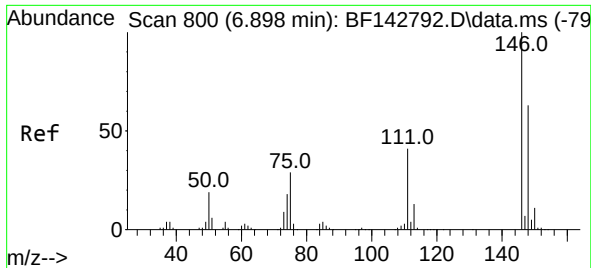
Ion Ratio Lower Upper

146 100

148 63.6 51.1 76.7

75 28.8 22.7 34.1

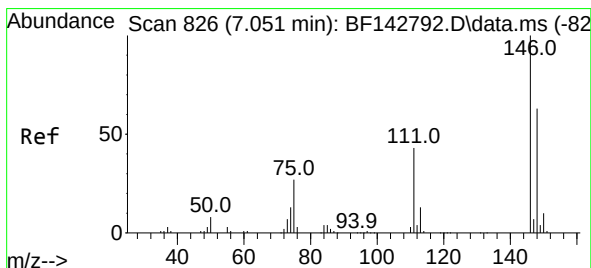
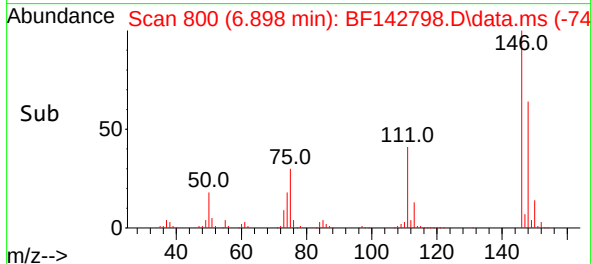
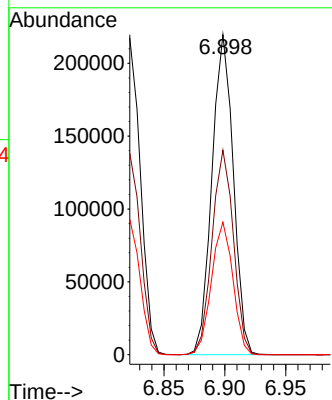
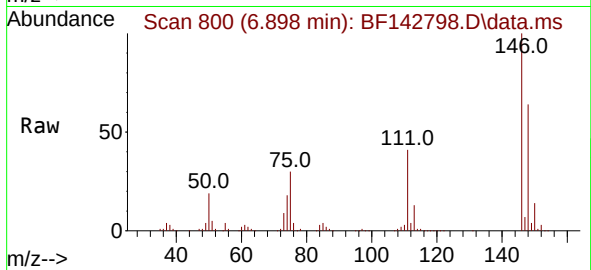




#13  
1,4-Dichlorobenzene  
Concen: 44.011 ng  
RT: 6.898 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

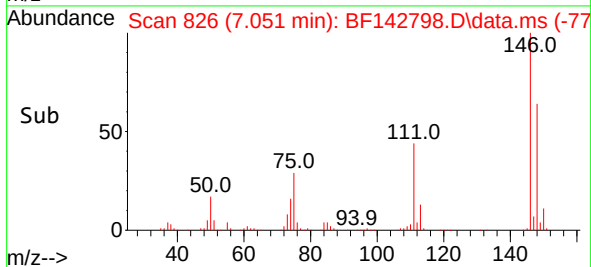
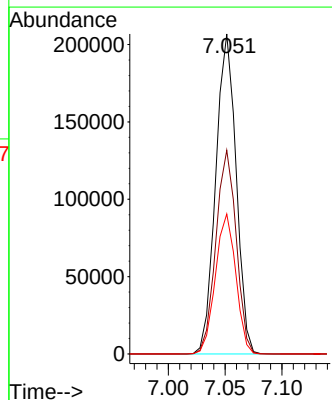
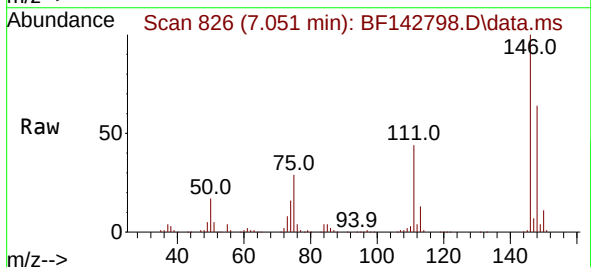
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

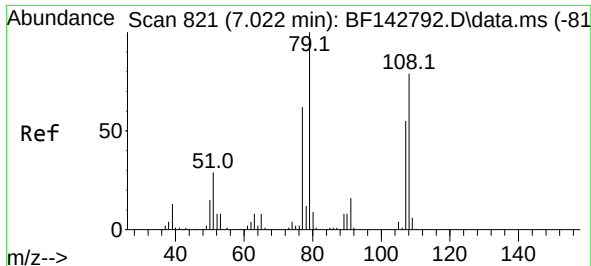
Tgt Ion:146 Resp: 268195  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.2 75.2  
111 41.4 33.2 49.8



#14  
1,2-Dichlorobenzene  
Concen: 44.723 ng  
RT: 7.051 min Scan# 826  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:146 Resp: 258499  
Ion Ratio Lower Upper  
146 100  
148 63.6 50.4 75.6  
111 43.8 34.1 51.1

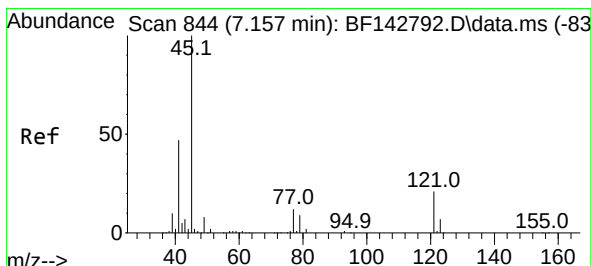
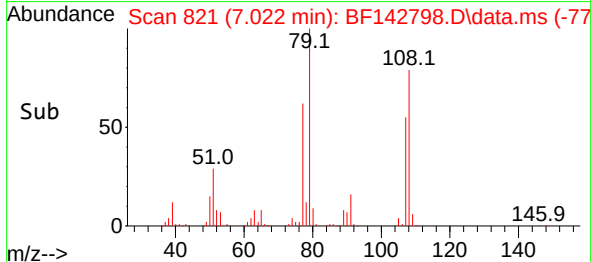
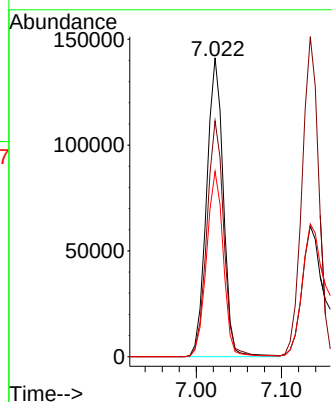
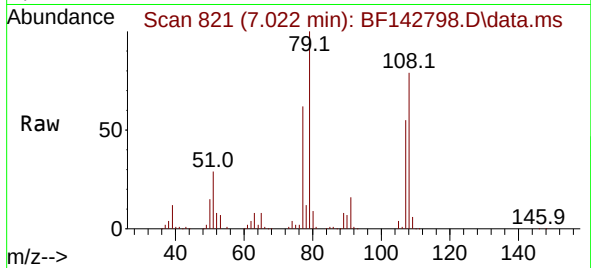




#15  
Benzyl Alcohol  
Concen: 45.178 ng  
RT: 7.022 min Scan# 821  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

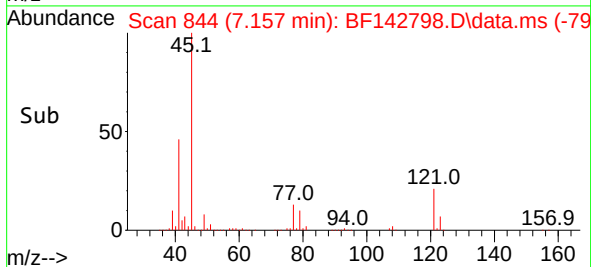
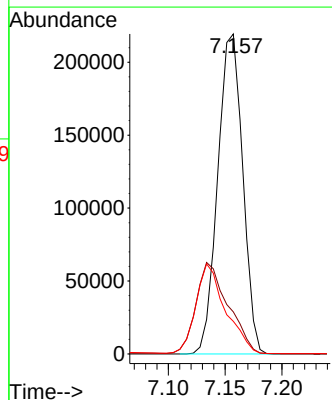
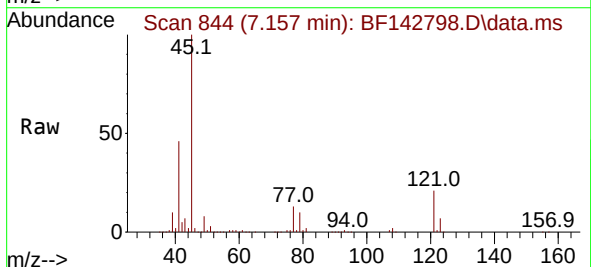
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

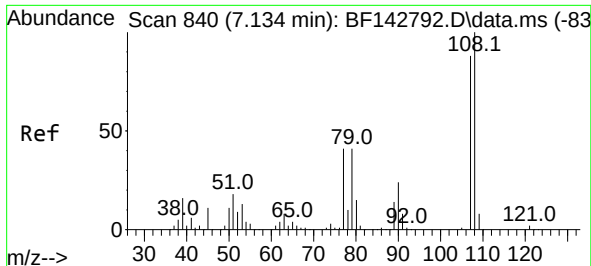
Tgt Ion: 79 Resp: 192916  
Ion Ratio Lower Upper  
79 100  
108 78.9 63.4 95.0  
77 62.0 49.5 74.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.481 ng  
RT: 7.157 min Scan# 844  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 45 Resp: 335358  
Ion Ratio Lower Upper  
45 100  
77 13.1 0.0 32.8  
79 10.2 0.0 29.8

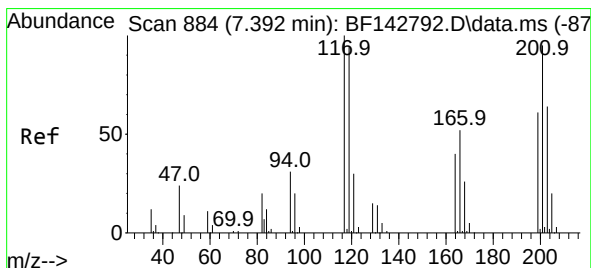
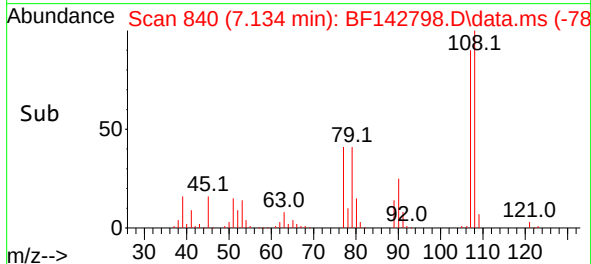
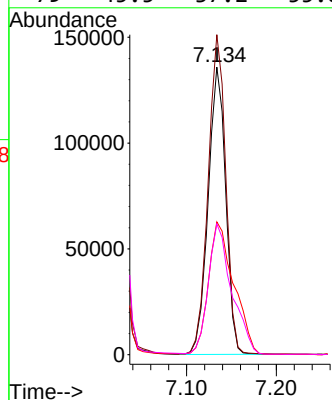
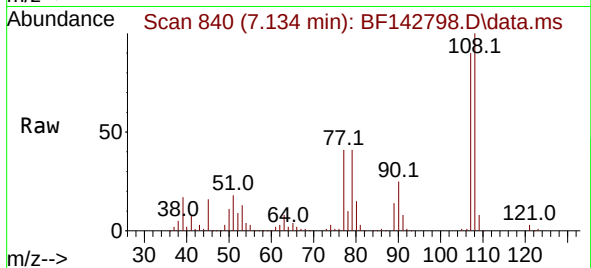




#17  
2-Methylphenol  
Concen: 45.058 ng  
RT: 7.134 min Scan# 840  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

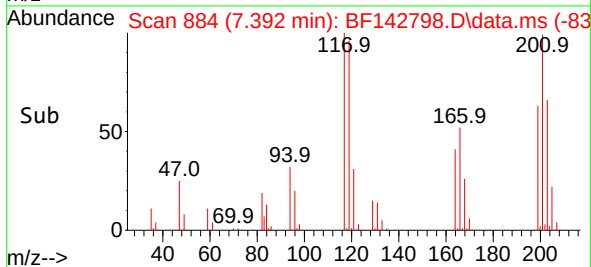
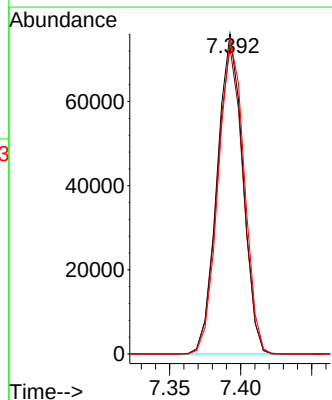
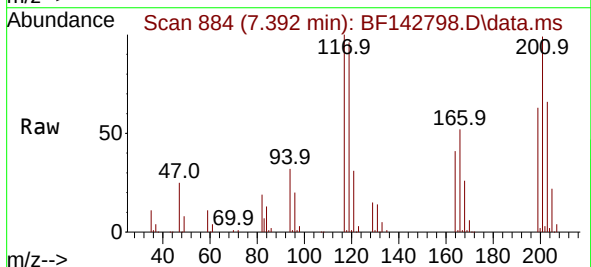
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

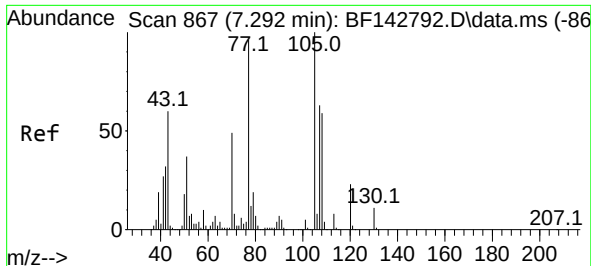
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 184407 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.3 | 90.9  | 136.3  |
| 77       | 46.2  | 37.3  | 55.9   |
| 79       | 45.5  | 37.2  | 55.8   |



#18  
Hexachloroethane  
Concen: 44.787 ng  
RT: 7.392 min Scan# 884  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 95461 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.8  | 75.4  | 113.0 |
| 201      | 98.6  | 75.9  | 113.9 |

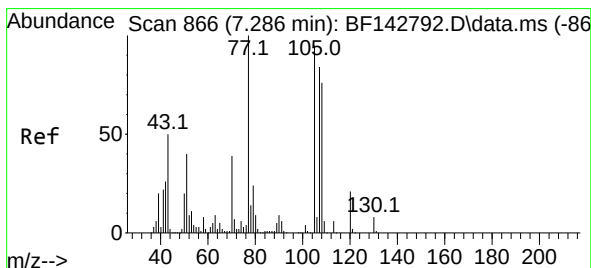
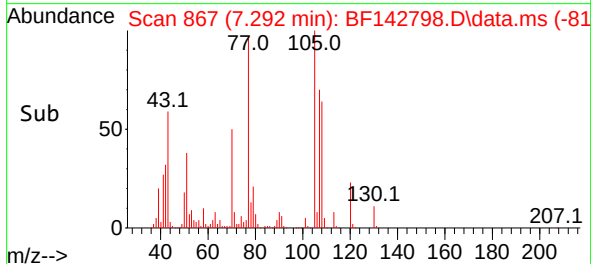
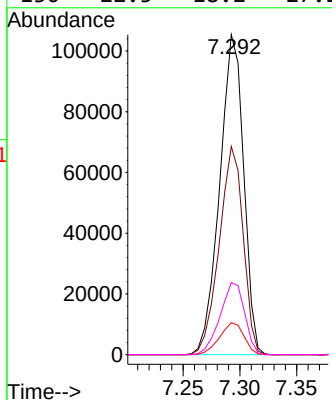
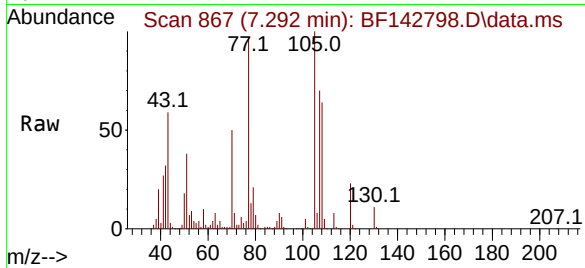




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.027 ng  
RT: 7.292 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

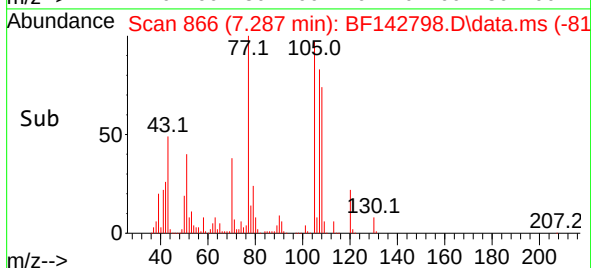
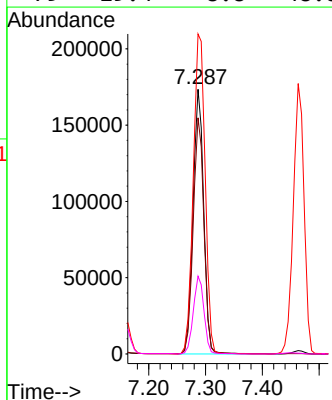
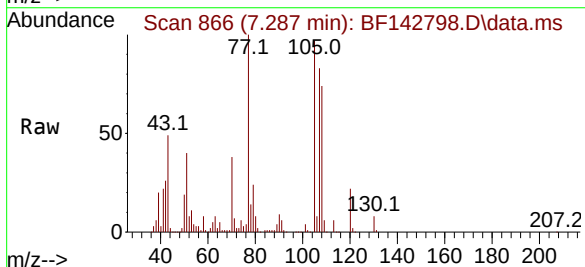
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

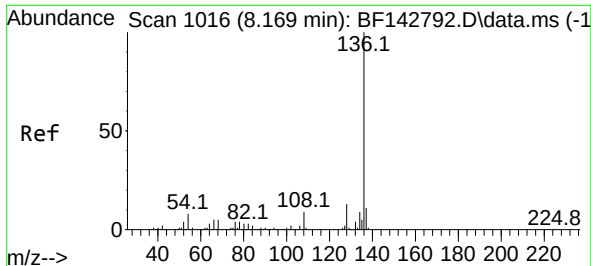
Tgt Ion: 70 Resp: 154685  
Ion Ratio Lower Upper  
70 100  
42 65.1 52.1 78.1  
101 10.0 8.2 12.2  
130 22.5 18.2 27.2



#20  
3+4-Methylphenols  
Concen: 44.634 ng  
RT: 7.287 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 107 Resp: 227760  
Ion Ratio Lower Upper  
107 100  
108 89.3 70.0 110.0  
77 120.9 98.5 138.5  
79 29.4 8.8 48.8

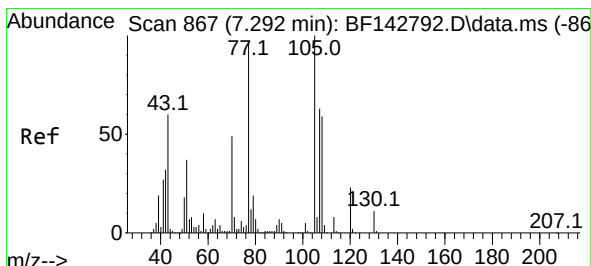
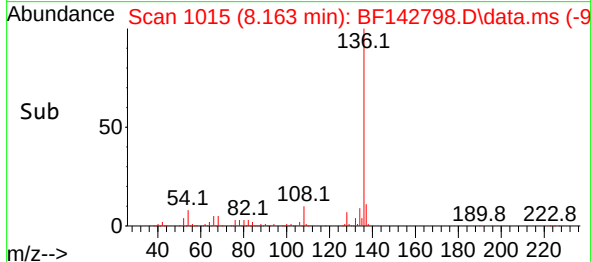
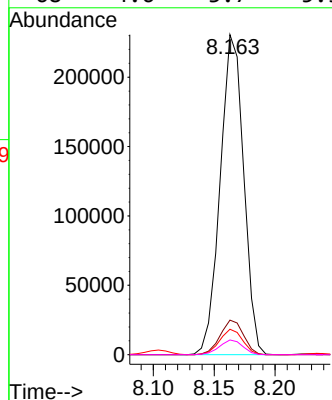
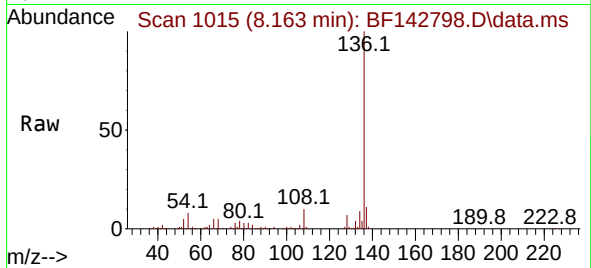




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

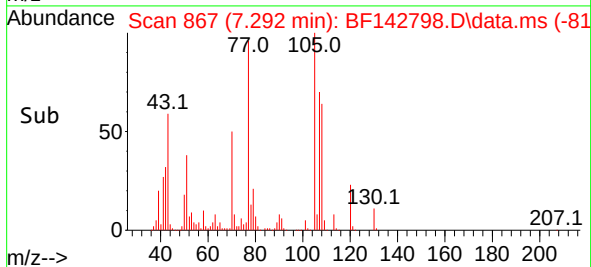
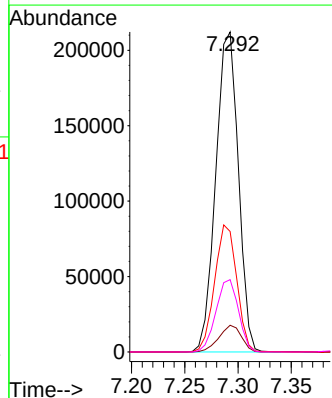
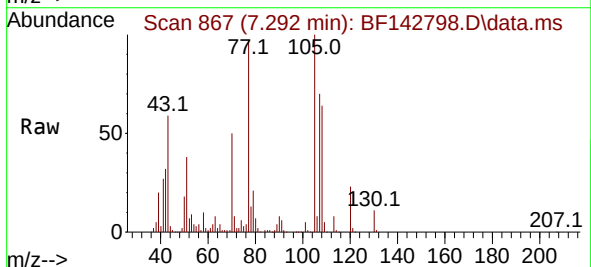
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

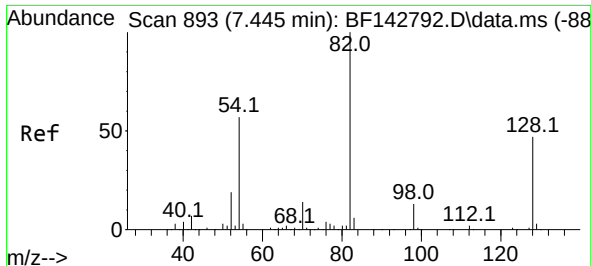
Tgt Ion:136 Resp: 309768  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.4 12.6  
54 8.0 6.3 9.5  
68 4.6 3.7 5.5



#22  
Acetophenone  
Concen: 45.644 ng  
RT: 7.292 min Scan# 867  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:105 Resp: 311793  
Ion Ratio Lower Upper  
105 100  
71 8.3 6.5 9.7  
51 37.6 29.8 44.8  
120 22.6 18.2 27.2





#23

Nitrobenzene-d5

Concen: 40.585 ng

RT: 7.445 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

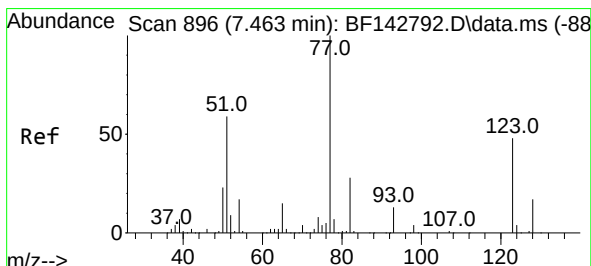
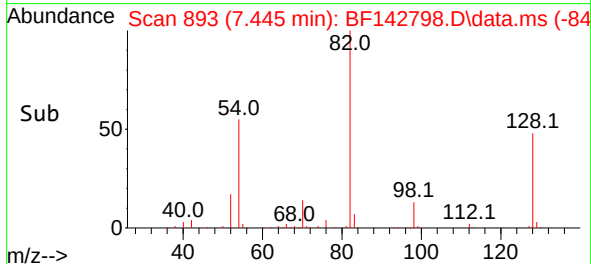
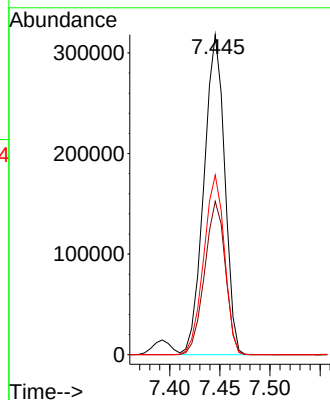
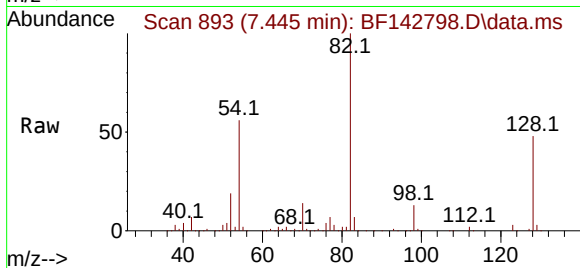
Tgt Ion: 82 Resp: 458408

Ion Ratio Lower Upper

82 100

128 47.9 37.7 56.5

54 56.1 45.7 68.5



#24

Nitrobenzene

Concen: 45.472 ng

RT: 7.463 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

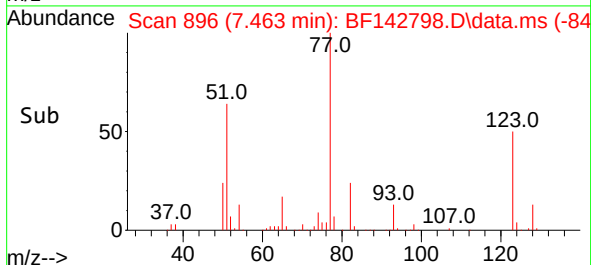
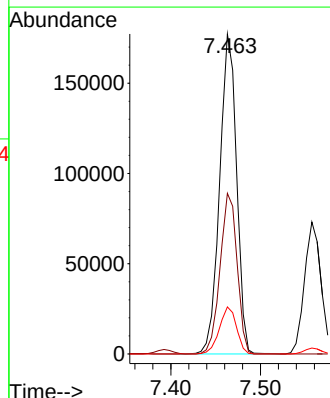
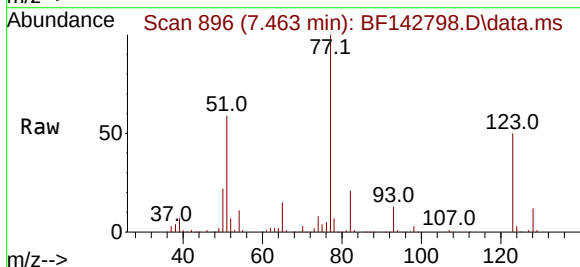
Tgt Ion: 77 Resp: 232428

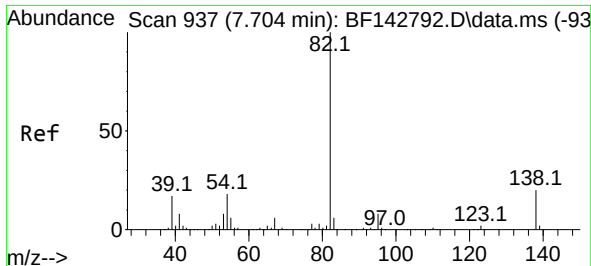
Ion Ratio Lower Upper

77 100

123 50.2 39.2 58.8

65 14.7 11.6 17.4

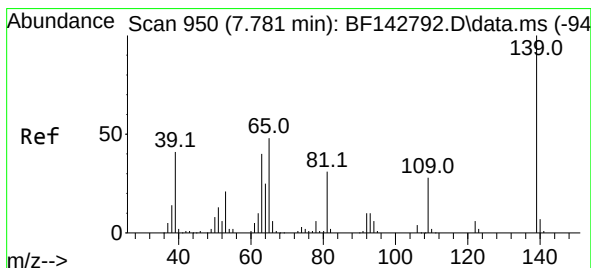
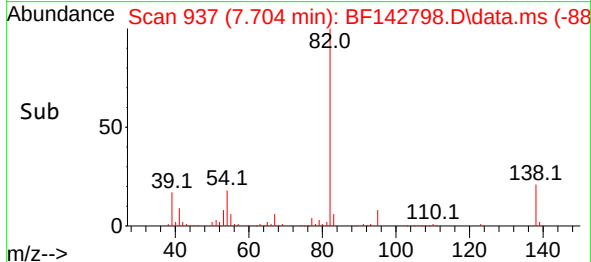
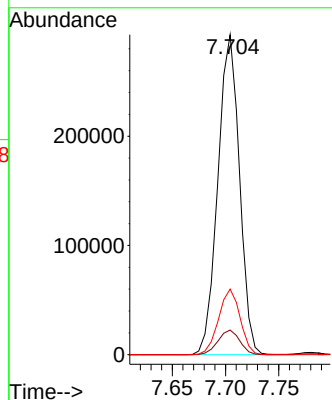
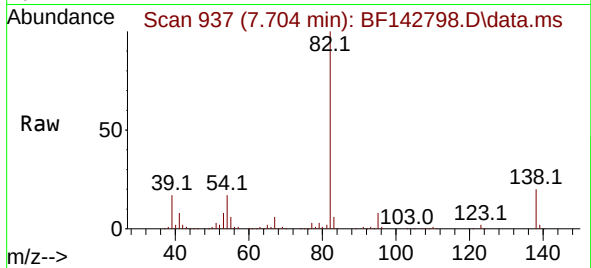




#25  
Isophorone  
Concen: 45.521 ng  
RT: 7.704 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

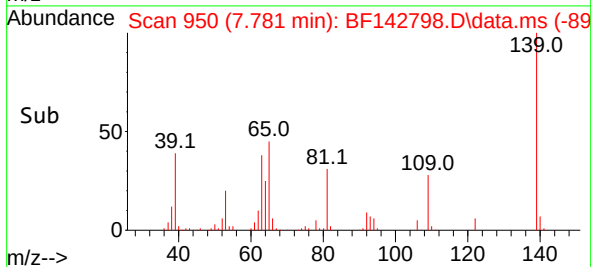
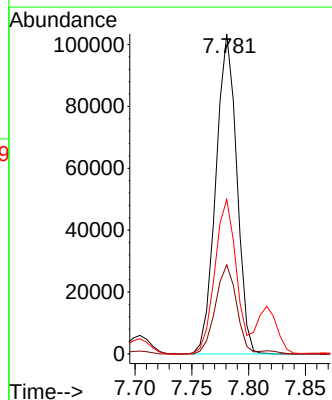
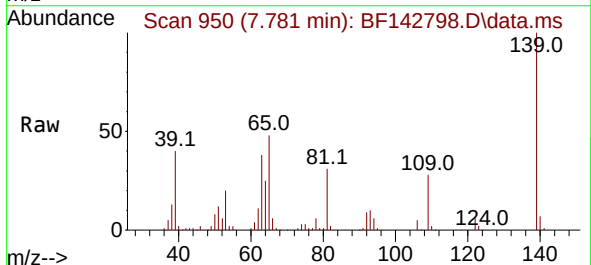
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

Tgt Ion: 82 Resp: 412390  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.2 9.2  
138 20.5 16.2 24.4

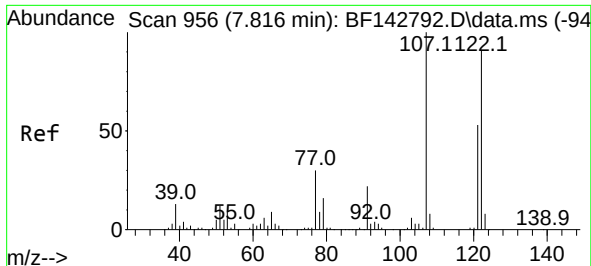


#26  
2-Nitrophenol  
Concen: 47.576 ng  
RT: 7.781 min Scan# 950  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 139 Resp: 132472  
Ion Ratio Lower Upper  
139 100  
109 27.9 22.7 34.1  
65 48.2 38.6 58.0



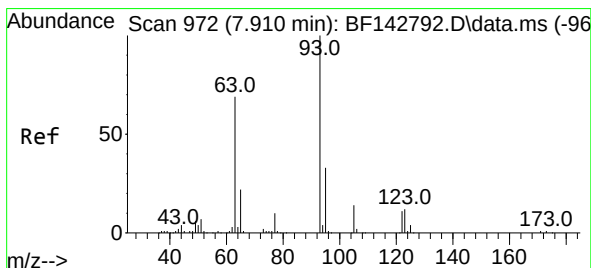
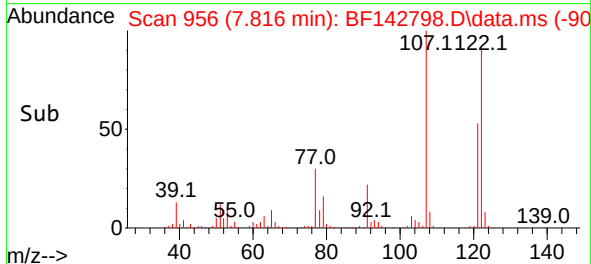
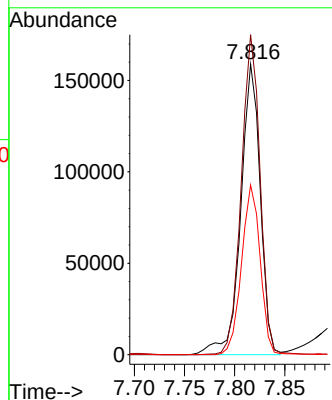
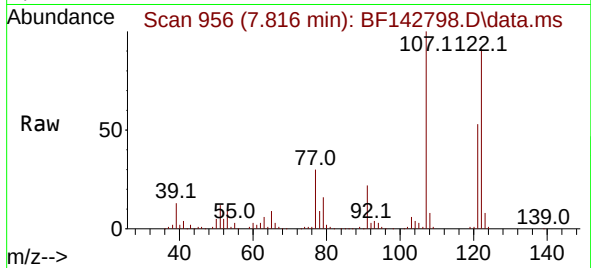




#27  
2,4-Dimethylphenol  
Concen: 44.698 ng  
RT: 7.816 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

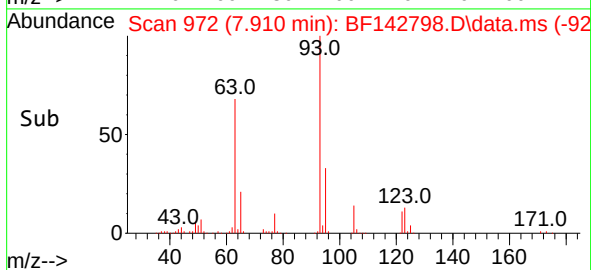
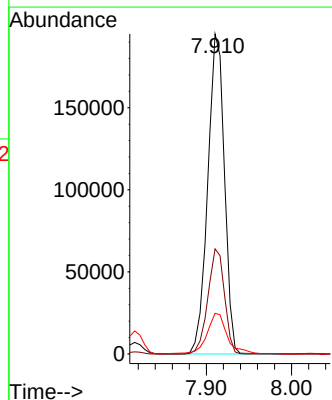
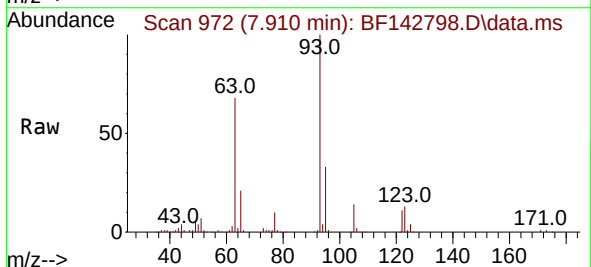
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

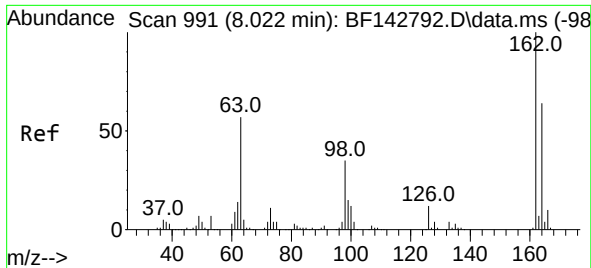
Tgt Ion:122 Resp: 215585  
Ion Ratio Lower Upper  
122 100  
107 110.1 88.0 132.0  
121 58.3 46.3 69.5



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.974 ng  
RT: 7.910 min Scan# 972  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 93 Resp: 264787  
Ion Ratio Lower Upper  
93 100  
95 32.8 26.2 39.2  
123 12.7 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 44.966 ng

RT: 8.022 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

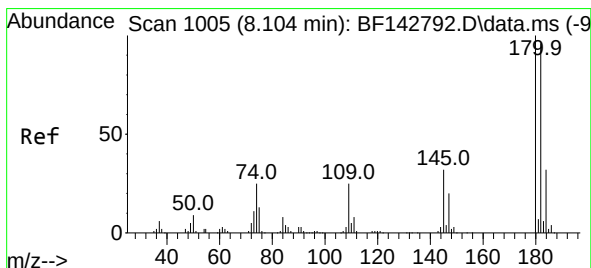
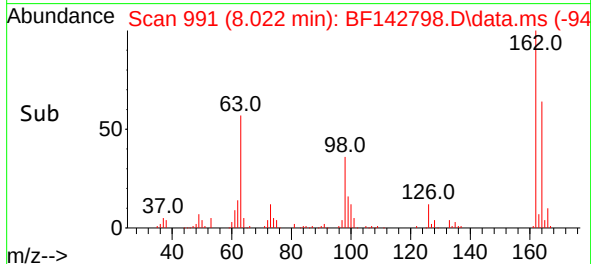
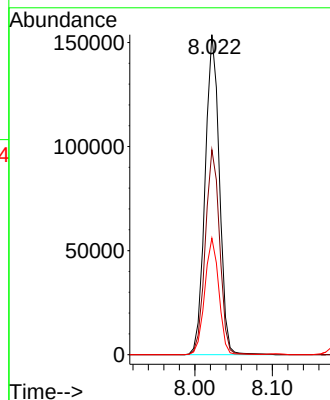
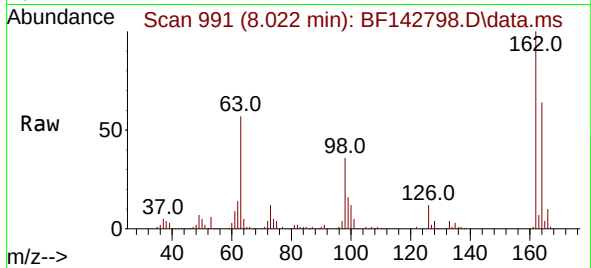
Tgt Ion:162 Resp: 196645

Ion Ratio Lower Upper

162 100

164 64.0 44.0 84.0

98 36.4 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 45.802 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

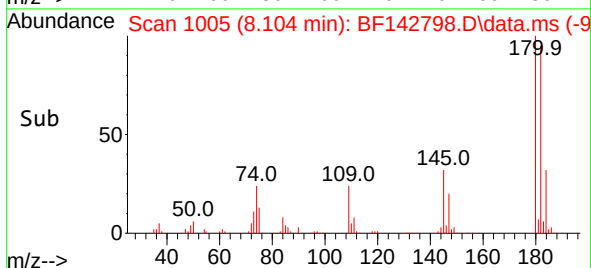
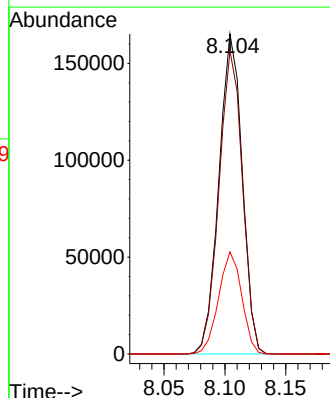
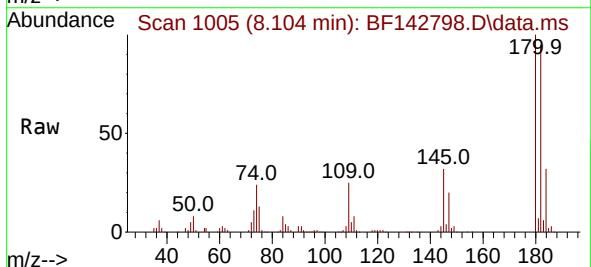
Tgt Ion:180 Resp: 220256

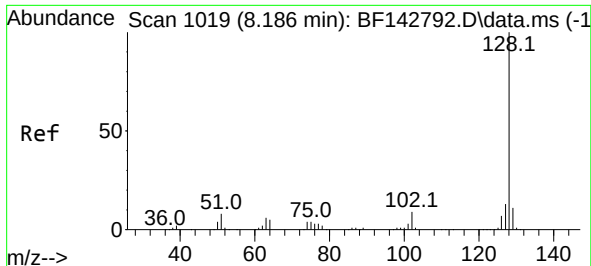
Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

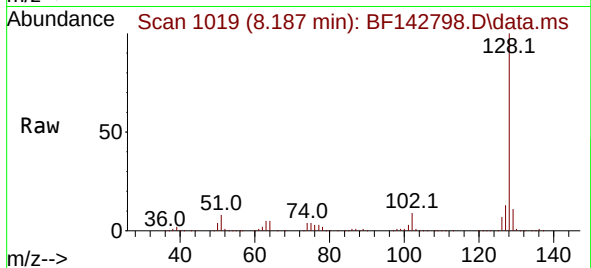
145 31.9 25.8 38.8



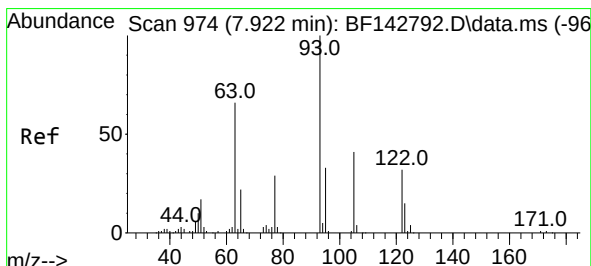
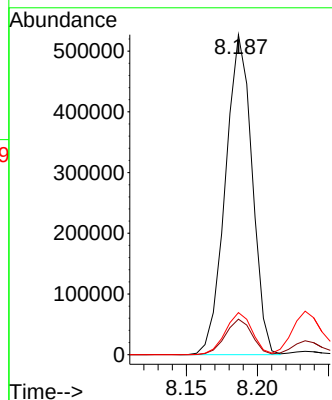
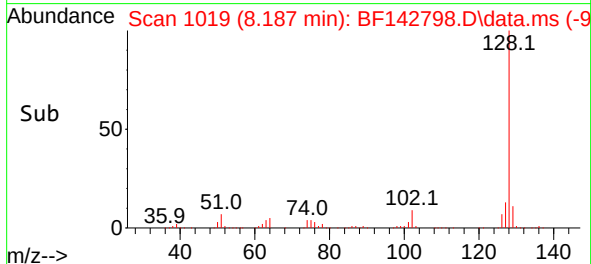


#31  
Naphthalene  
Concen: 45.435 ng  
RT: 8.187 min Scan# 1019  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

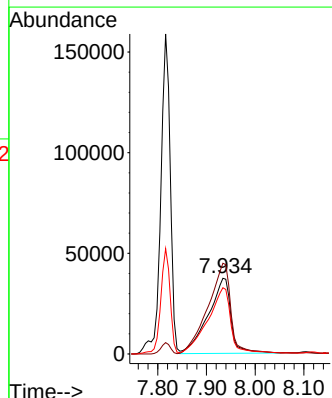
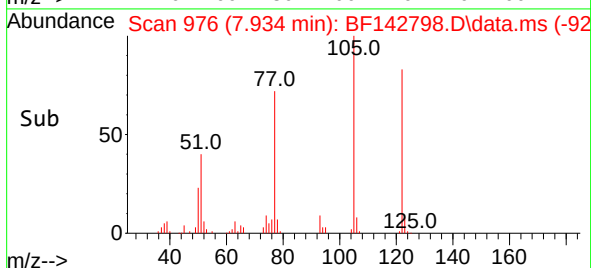
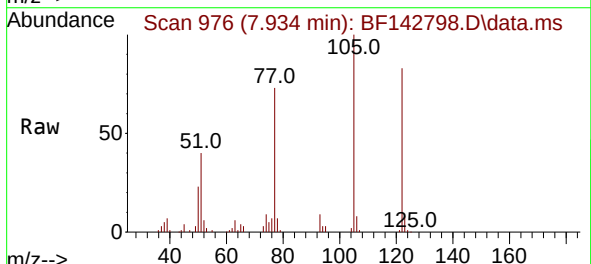


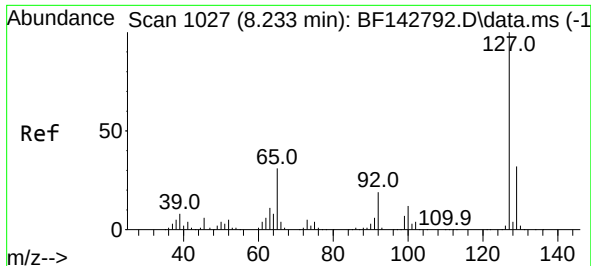
Tgt Ion:128 Resp: 688912  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.2 10.4 15.6



#32  
Benzoic acid  
Concen: 49.263 ng  
RT: 7.934 min Scan# 976  
Delta R.T. 0.012 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:122 Resp: 121104  
Ion Ratio Lower Upper  
122 100  
105 119.9 104.7 144.7  
77 87.7 70.2 110.2

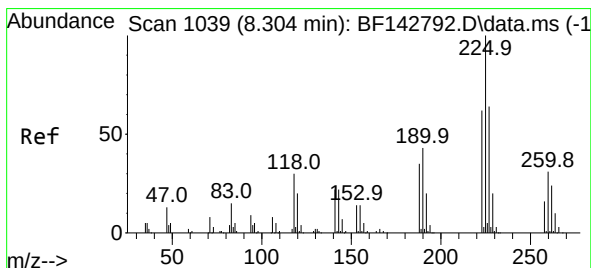
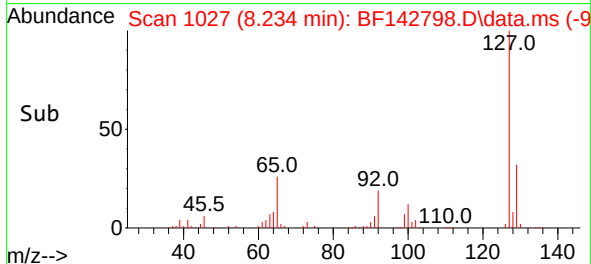
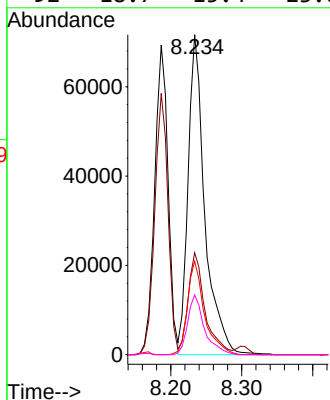
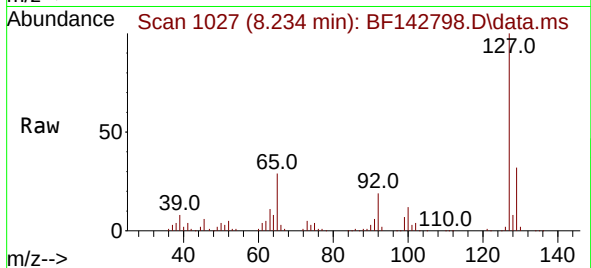




#33  
4-Chloroaniline  
Concen: 19.101 ng  
RT: 8.234 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

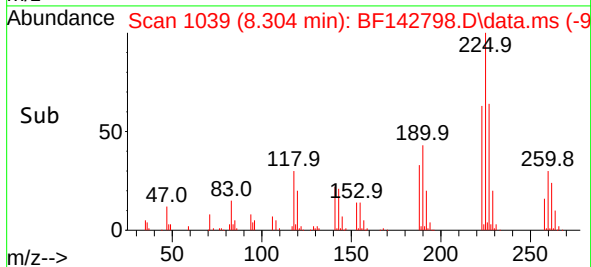
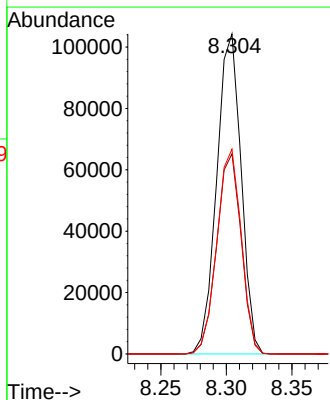
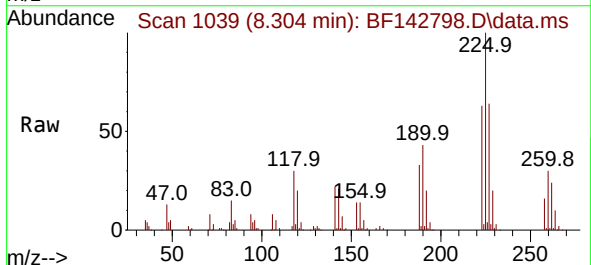
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

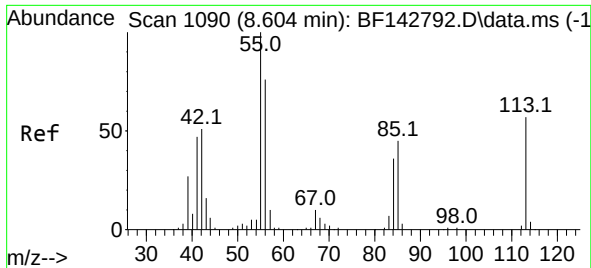
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 117766 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 25.9  | 38.9   |
| 65       | 29.2  | 24.6  | 36.8   |
| 92       | 18.7  | 15.4  | 23.0   |



#34  
Hexachlorobutadiene  
Concen: 45.883 ng  
RT: 8.304 min Scan# 1039  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 134963 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.6  | 49.9  | 74.9   |
| 227      | 64.0  | 51.4  | 77.0   |

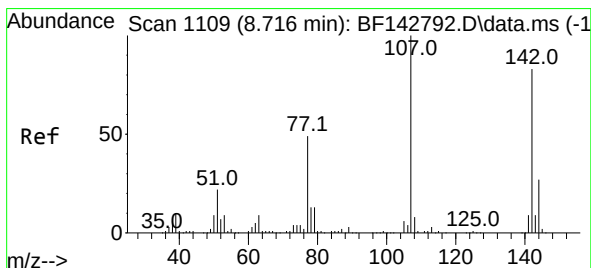
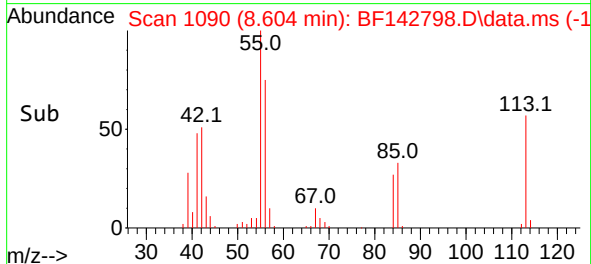
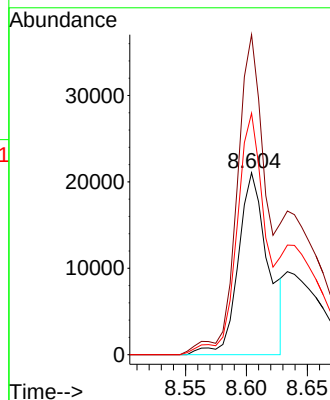
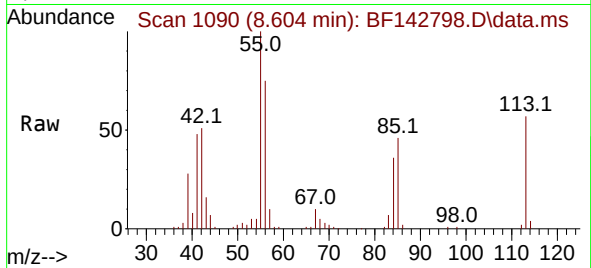




#35  
 Caprolactam  
 Concen: 31.242 ng  
 RT: 8.604 min Scan# 1090  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

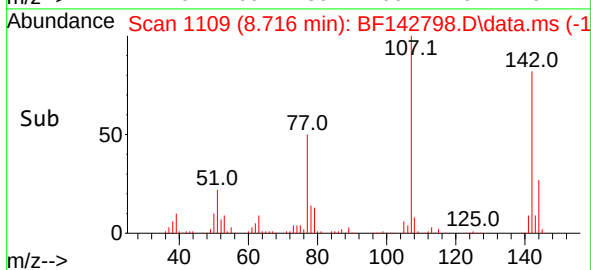
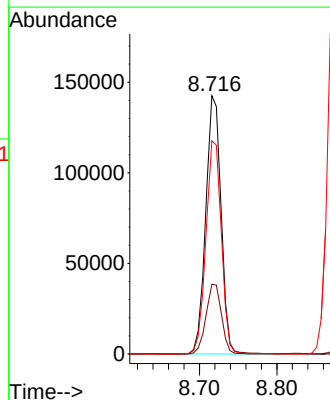
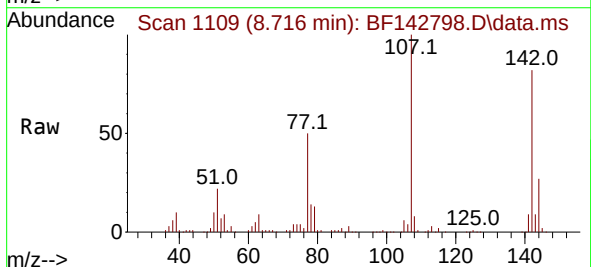
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

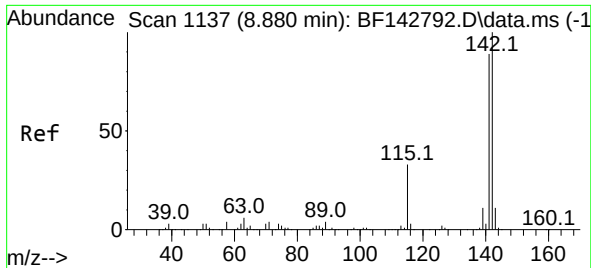
Tgt Ion:113 Resp: 36053  
 Ion Ratio Lower Upper  
 113 100  
 55 175.8 154.4 194.4  
 56 132.7 112.1 152.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 45.050 ng  
 RT: 8.716 min Scan# 1109  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

Tgt Ion:107 Resp: 195799  
 Ion Ratio Lower Upper  
 107 100  
 144 27.0 21.3 31.9  
 142 82.5 66.6 100.0





#37

2-Methylnaphthalene

Concen: 45.264 ng

RT: 8.881 min Scan# 1137

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

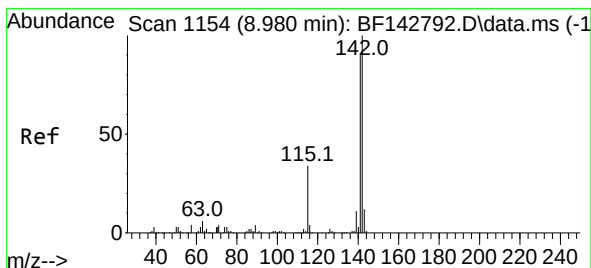
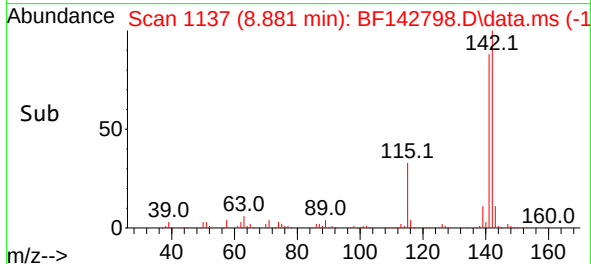
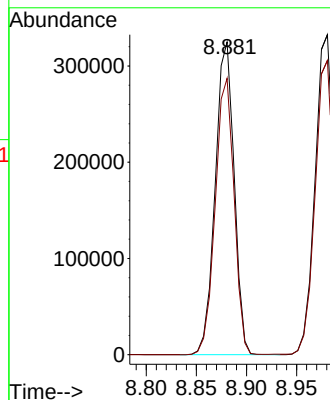
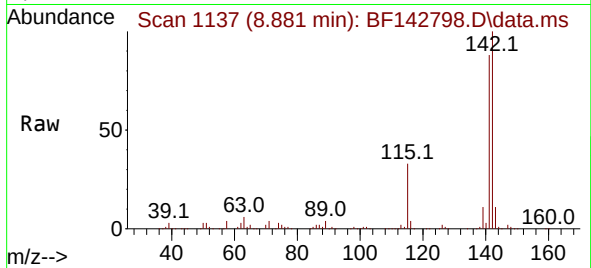
PB168536BS

Tgt Ion:142 Resp: 425492

Ion Ratio Lower Upper

142 100

141 88.4 70.9 106.3



#38

1-Methylnaphthalene

Concen: 45.026 ng

RT: 8.981 min Scan# 1154

Delta R.T. 0.000 min

Lab File: BF142798.D

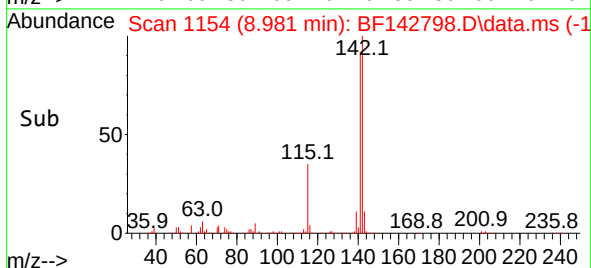
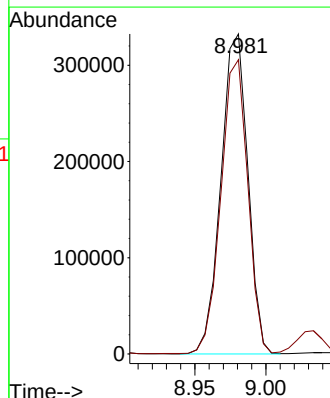
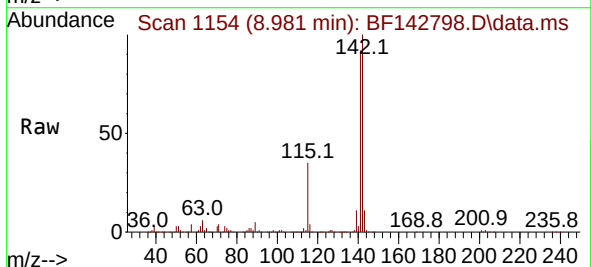
Acq: 19 Jun 2025 22:40

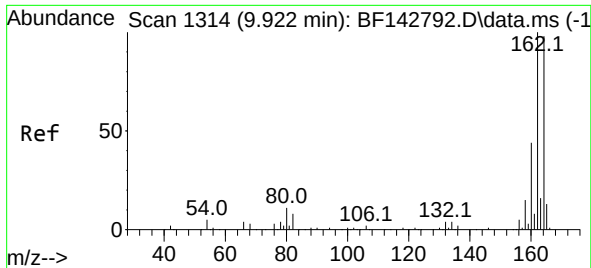
Tgt Ion:142 Resp: 438148

Ion Ratio Lower Upper

142 100

141 92.0 73.0 109.4

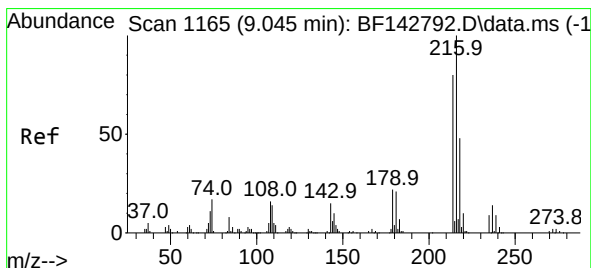
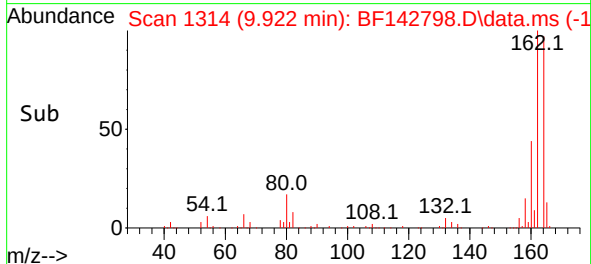
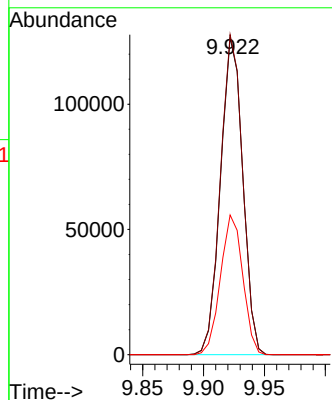
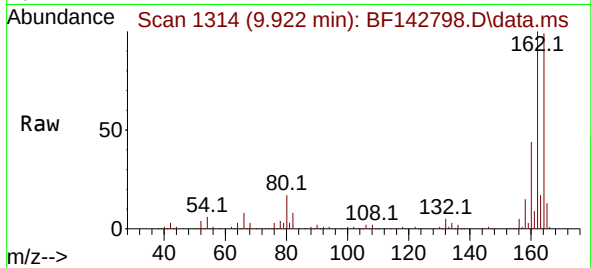




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.922 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

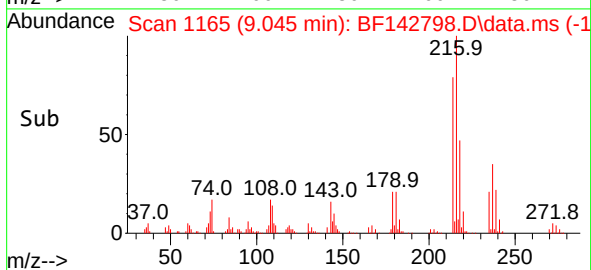
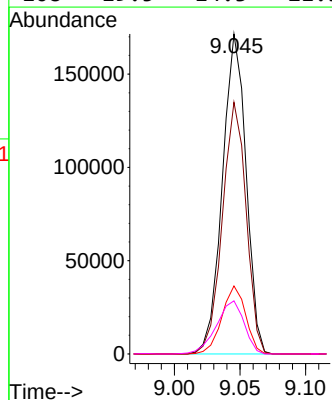
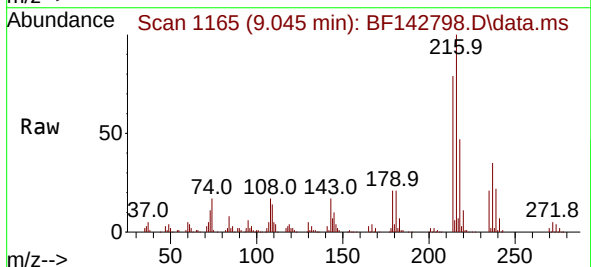
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

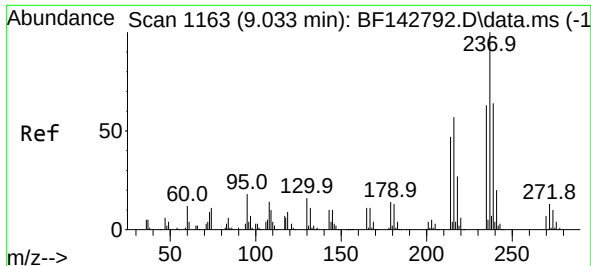
Tgt Ion:164 Resp: 161197  
Ion Ratio Lower Upper  
164 100  
162 100.9 81.8 122.8  
160 44.1 36.0 54.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.258 ng  
RT: 9.045 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:216 Resp: 215266  
Ion Ratio Lower Upper  
216 100  
214 78.7 63.7 95.5  
179 21.3 17.6 26.4  
108 19.5 14.3 21.5

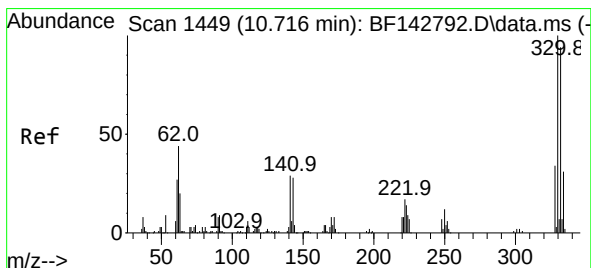
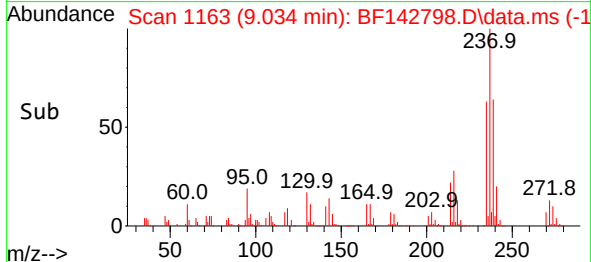
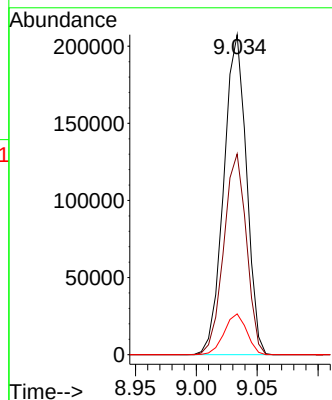
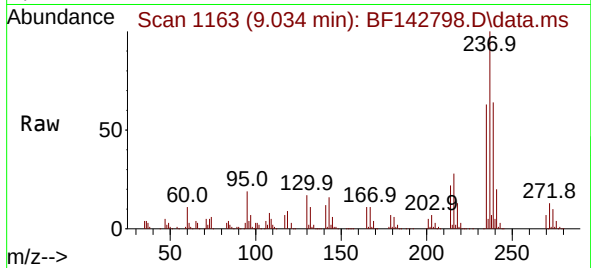




#41  
Hexachlorocyclopentadiene  
Concen: 99.683 ng  
RT: 9.034 min Scan# 1163  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

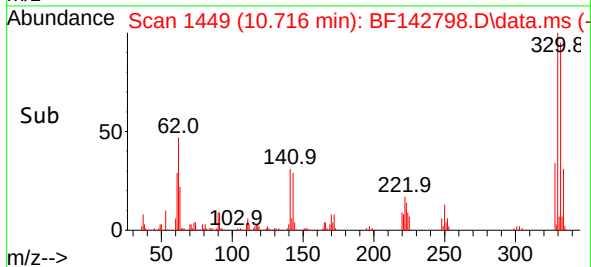
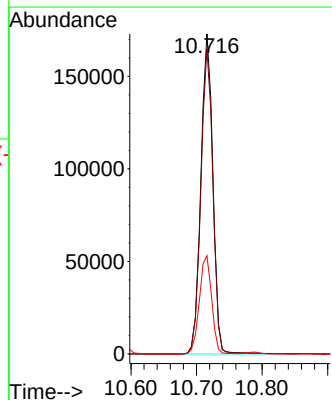
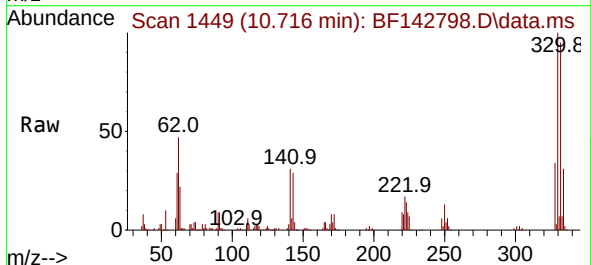
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

Tgt Ion:237 Resp: 269060  
Ion Ratio Lower Upper  
237 100  
235 62.8 43.4 83.4  
272 12.8 0.0 32.7

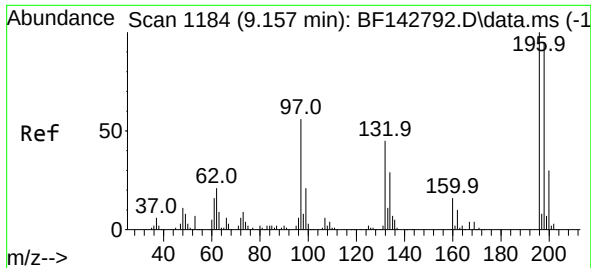


#42  
2,4,6-Tribromophenol  
Concen: 66.439 ng  
RT: 10.716 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:330 Resp: 220421  
Ion Ratio Lower Upper  
330 100  
332 95.9 75.0 112.6  
141 31.5 25.3 37.9



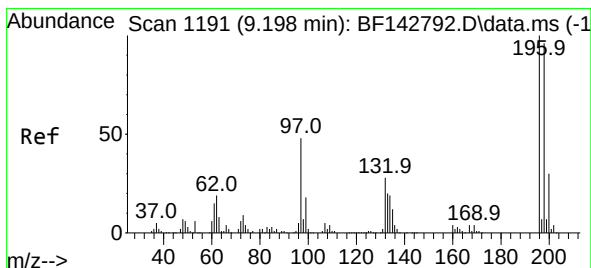
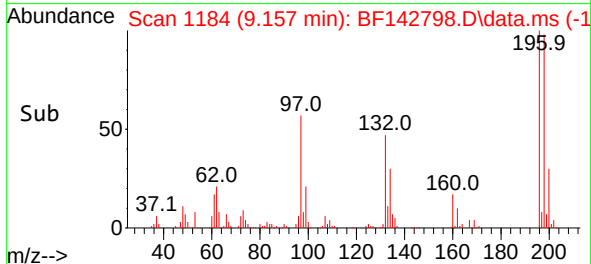
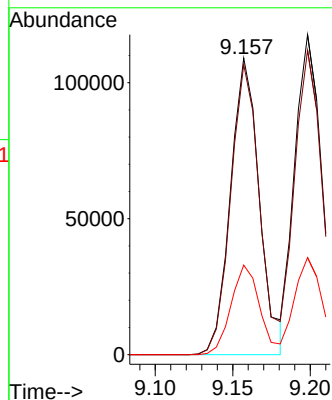
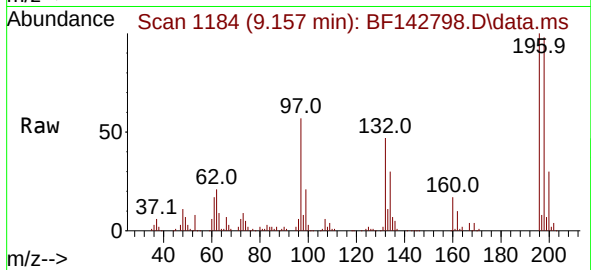




#43  
2,4,6-Trichlorophenol  
Concen: 45.560 ng  
RT: 9.157 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

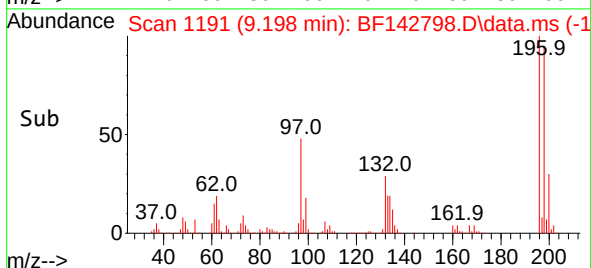
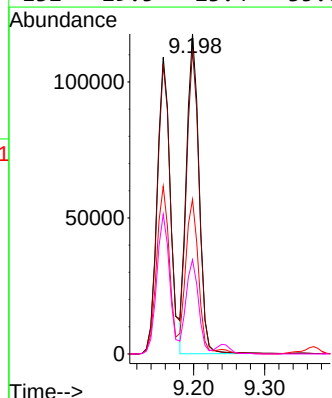
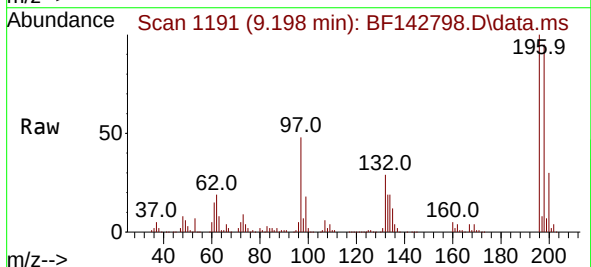
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

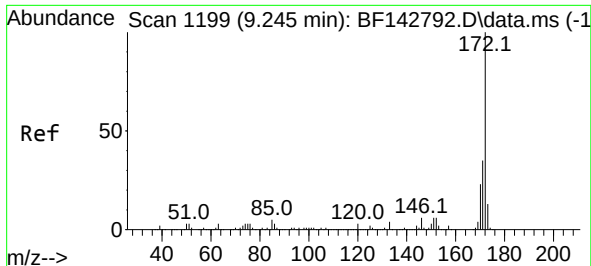
Tgt Ion:196 Resp: 141207  
Ion Ratio Lower Upper  
196 100  
198 97.8 76.2 114.2  
200 30.2 24.1 36.1



#44  
2,4,5-Trichlorophenol  
Concen: 44.218 ng  
RT: 9.198 min Scan# 1191  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:196 Resp: 144269  
Ion Ratio Lower Upper  
196 100  
198 95.2 76.6 115.0  
97 48.3 38.2 57.2  
132 29.5 23.4 35.0





#45

2-Fluorobiphenyl

Concen: 39.625 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

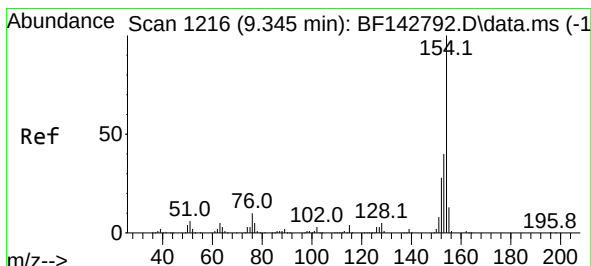
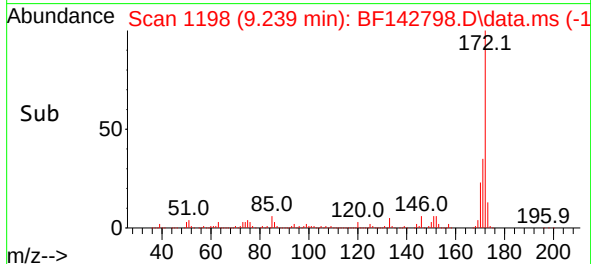
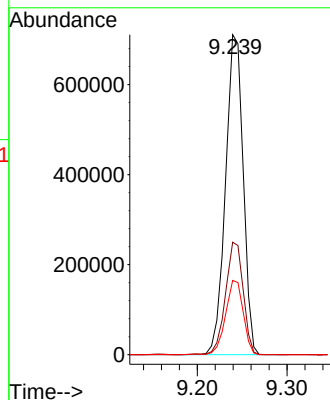
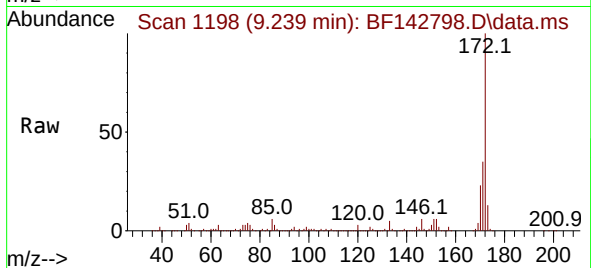
Tgt Ion:172 Resp: 972463

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.5 27.7



#46

1,1'-Biphenyl

Concen: 45.410 ng

RT: 9.345 min Scan# 1216

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

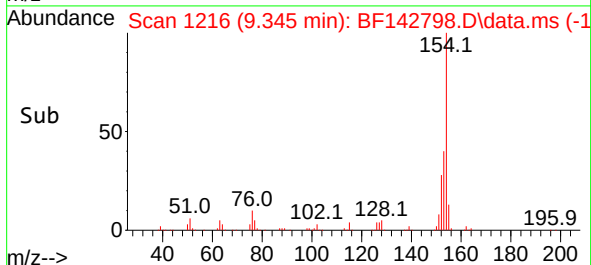
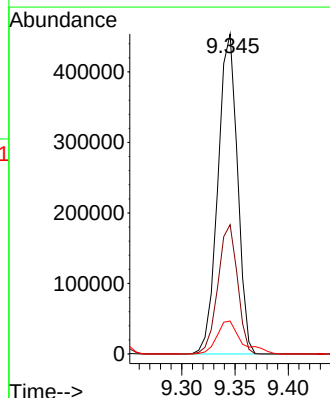
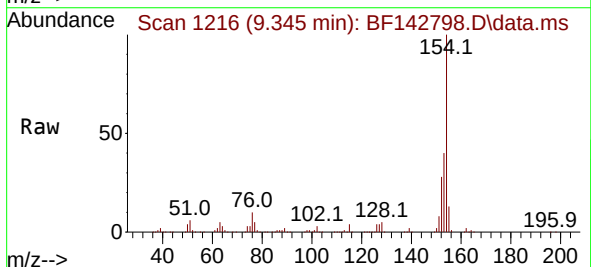
Tgt Ion:154 Resp: 578239

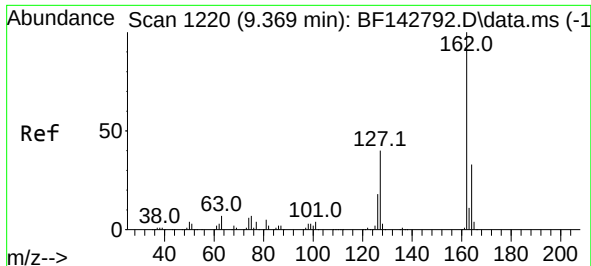
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 10.3 0.0 30.3

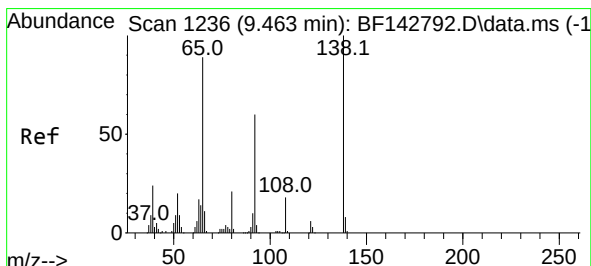
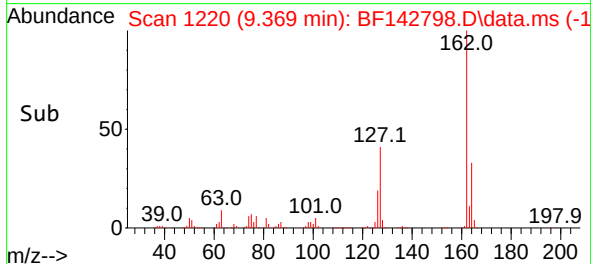
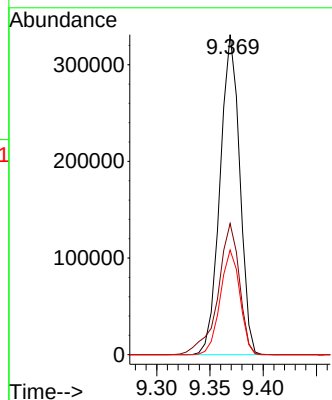
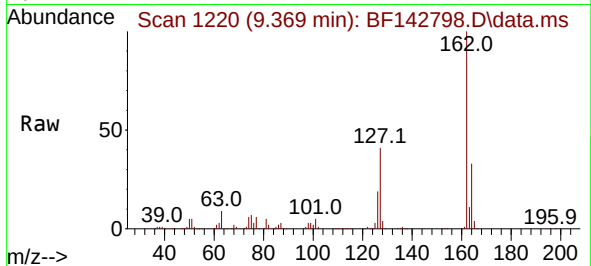




#47  
2-Chloronaphthalene  
Concen: 44.417 ng  
RT: 9.369 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

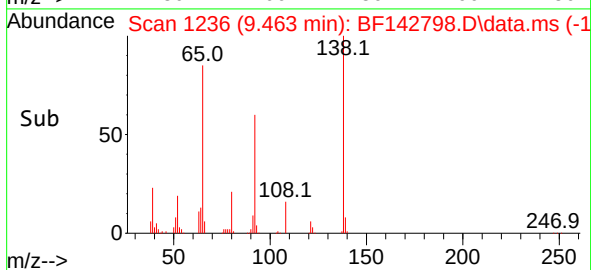
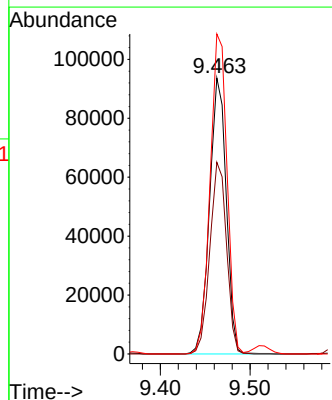
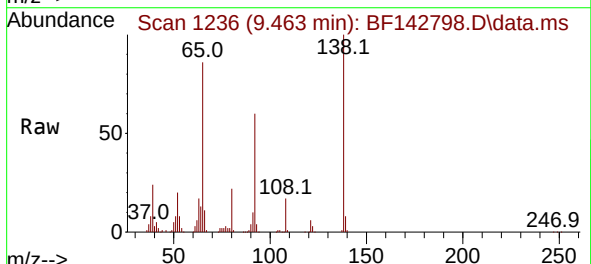
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

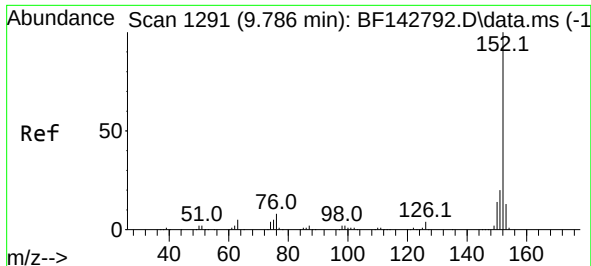
Tgt Ion:162 Resp: 424437  
Ion Ratio Lower Upper  
162 100  
127 41.0 32.2 48.2  
164 32.7 26.1 39.1



#48  
2-Nitroaniline  
Concen: 45.282 ng  
RT: 9.463 min Scan# 1236  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion: 65 Resp: 121311  
Ion Ratio Lower Upper  
65 100  
92 69.4 53.8 80.6  
138 115.9 89.6 134.4

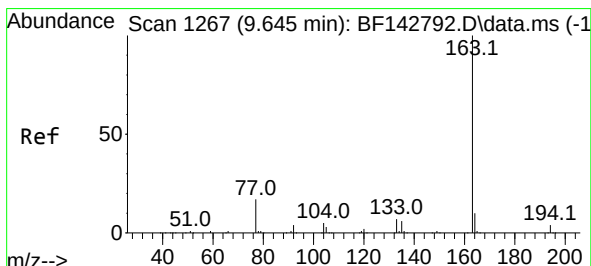
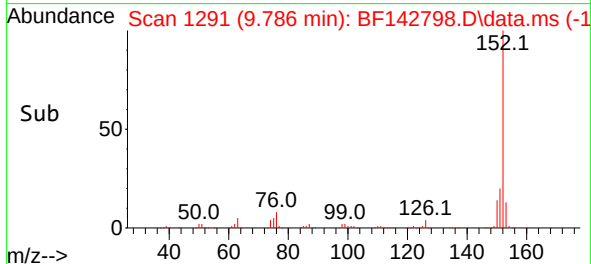
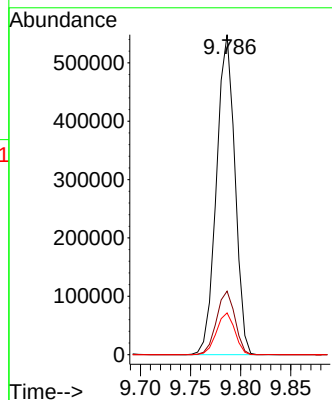
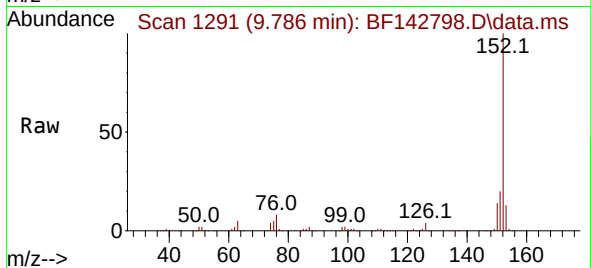




#49  
Acenaphthylene  
Concen: 44.485 ng  
RT: 9.786 min Scan# 1291  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

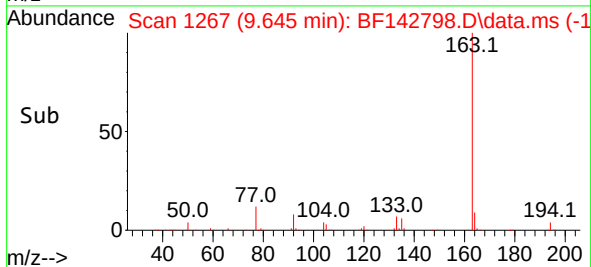
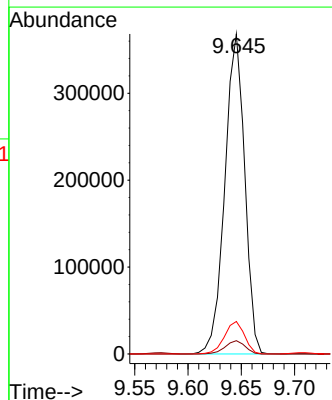
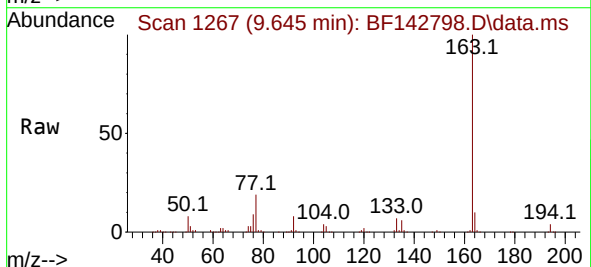
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

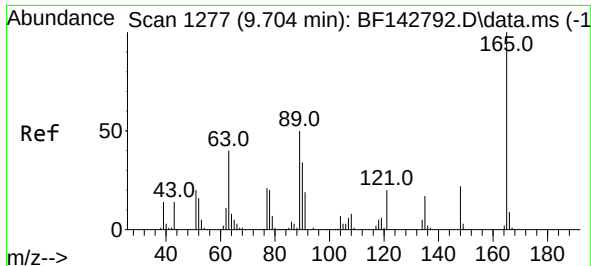
Tgt Ion:152 Resp: 699789  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 13.0 10.4 15.6



#50  
Dimethylphthalate  
Concen: 45.660 ng  
RT: 9.645 min Scan# 1267  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:163 Resp: 476429  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.2 8.0 12.0

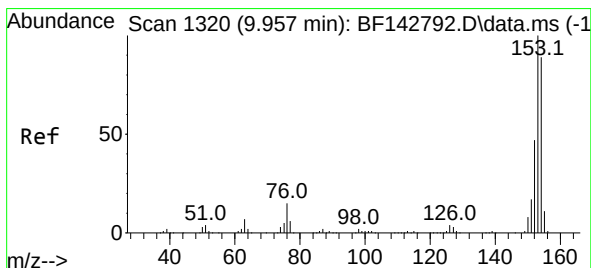
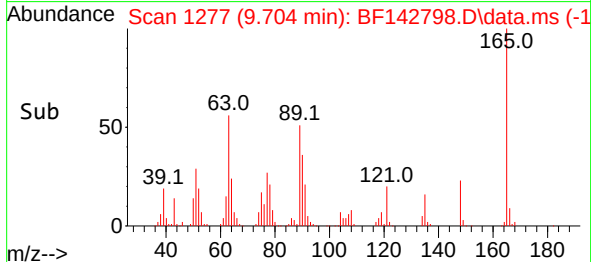
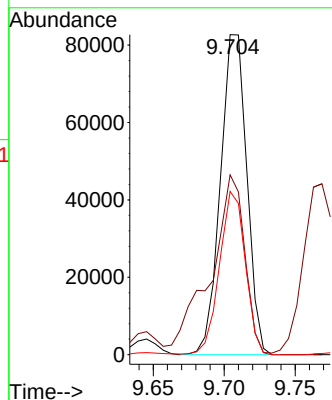
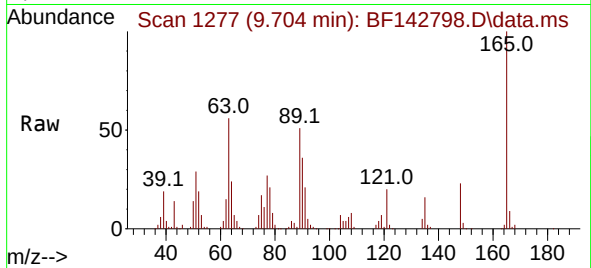




#51  
2,6-Dinitrotoluene  
Concen: 46.744 ng  
RT: 9.704 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

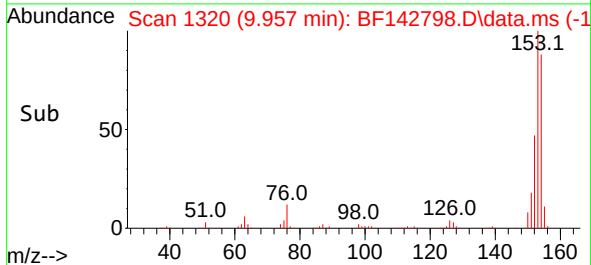
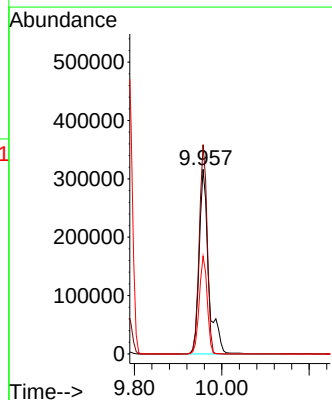
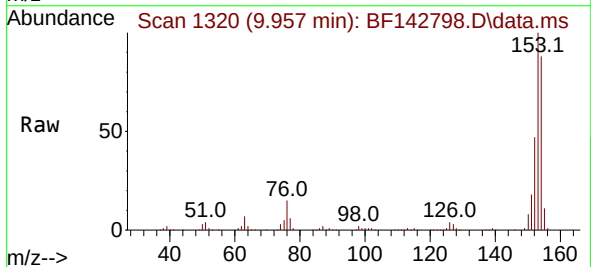
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

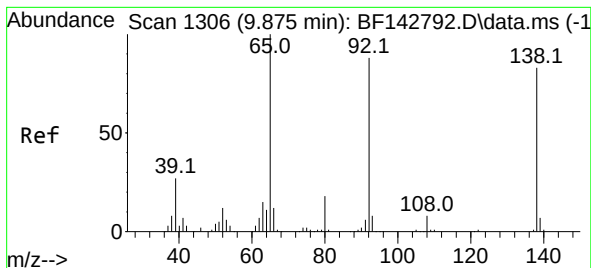
Tgt Ion:165 Resp: 107112  
Ion Ratio Lower Upper  
165 100  
63 56.2 44.2 66.4  
89 51.0 39.8 59.8



#52  
Acenaphthene  
Concen: 50.037 ng  
RT: 9.957 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:154 Resp: 480245  
Ion Ratio Lower Upper  
154 100  
153 113.4 90.0 135.0  
152 53.0 41.9 62.9





#53

3-Nitroaniline

Concen: 24.385 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

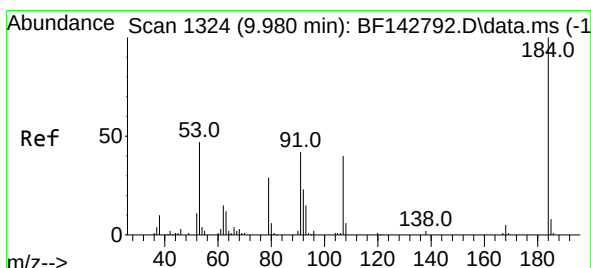
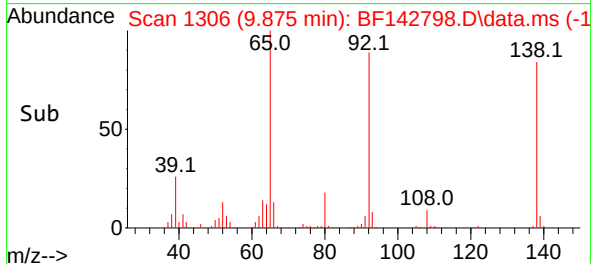
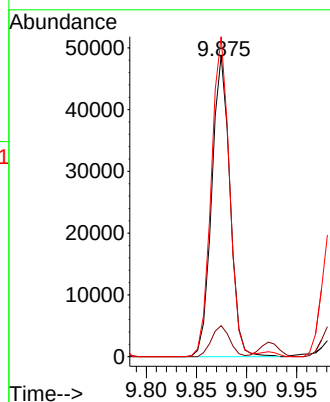
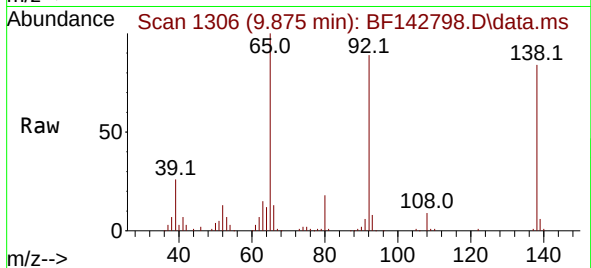
Tgt Ion:138 Resp: 61523

Ion Ratio Lower Upper

138 100

108 10.3 8.1 12.1

92 106.2 85.1 127.7



#54

2,4-Dinitrophenol

Concen: 113.854 ng

RT: 9.986 min Scan# 1325

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

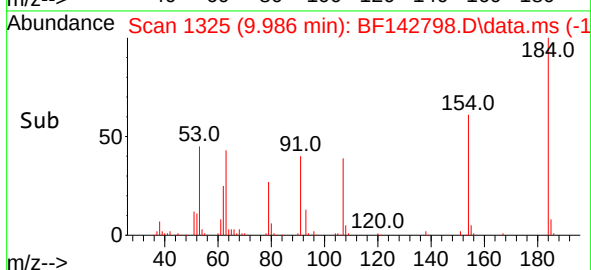
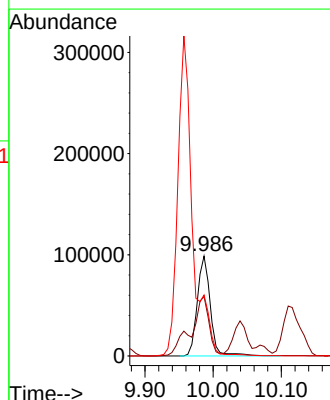
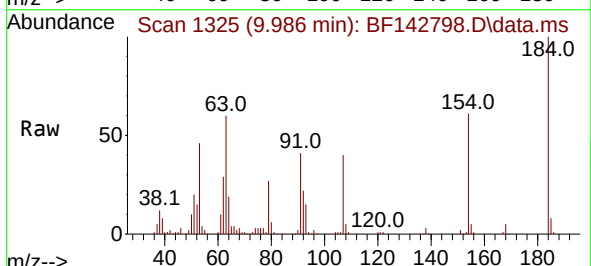
Tgt Ion:184 Resp: 130635

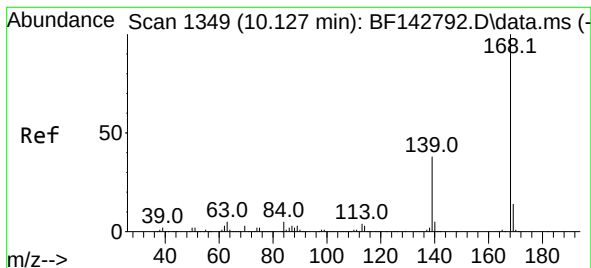
Ion Ratio Lower Upper

184 100

63 59.6 50.6 75.8

154 61.0 51.8 77.8





#55

Dibenzofuran

Concen: 44.725 ng

RT: 10.128 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

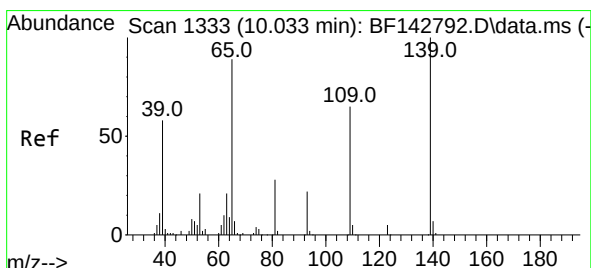
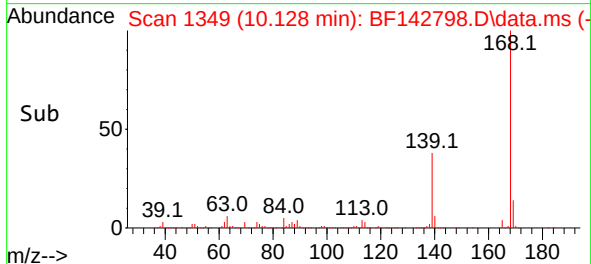
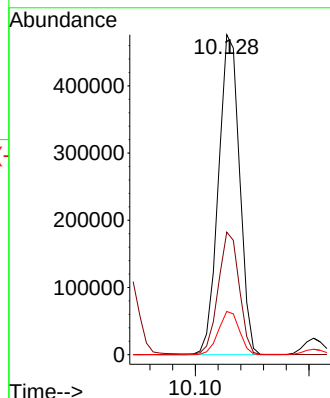
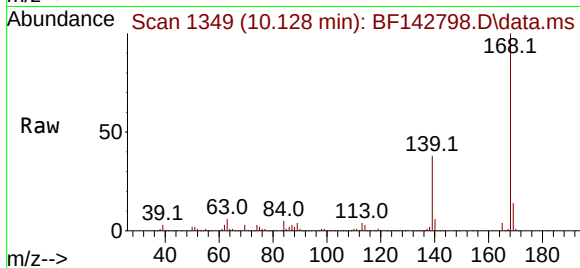
Tgt Ion:168 Resp: 615545

Ion Ratio Lower Upper

168 100

139 38.3 30.2 45.4

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 97.343 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

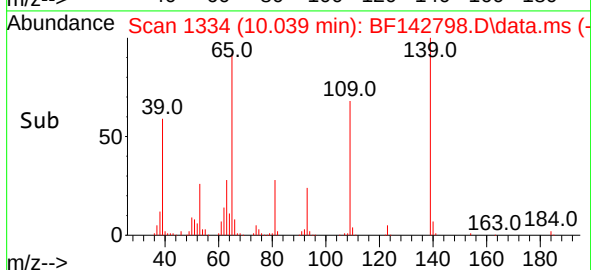
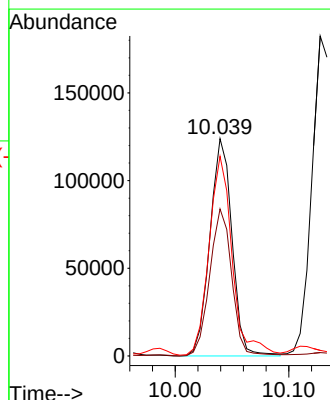
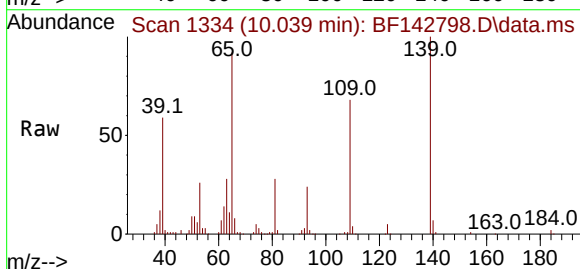
Tgt Ion:139 Resp: 168132

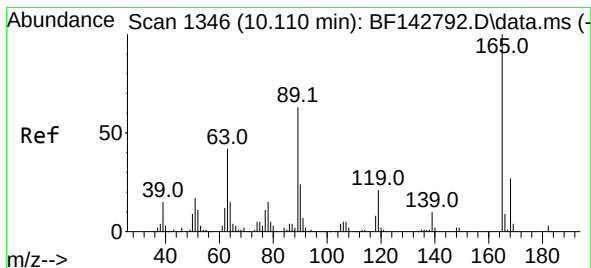
Ion Ratio Lower Upper

139 100

109 67.7 44.7 84.7

65 91.9 69.8 109.8

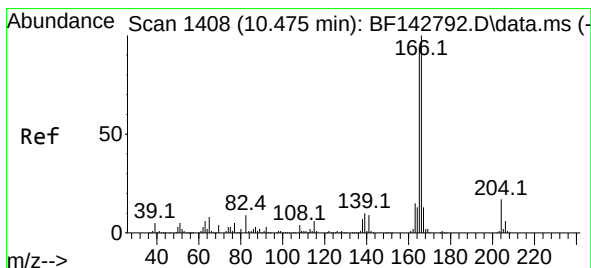
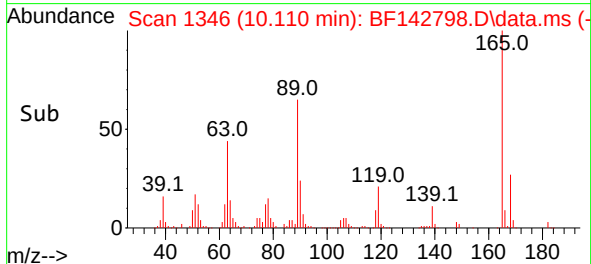
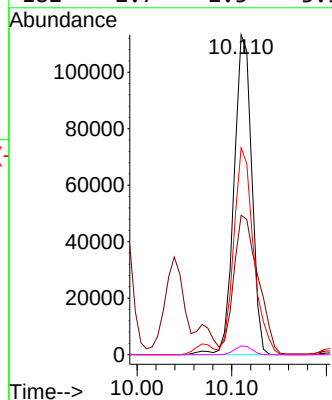
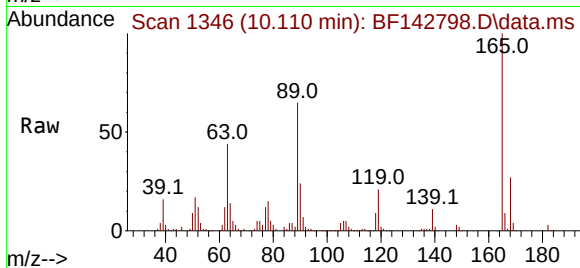




#57  
2,4-Dinitrotoluene  
Concen: 48.462 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

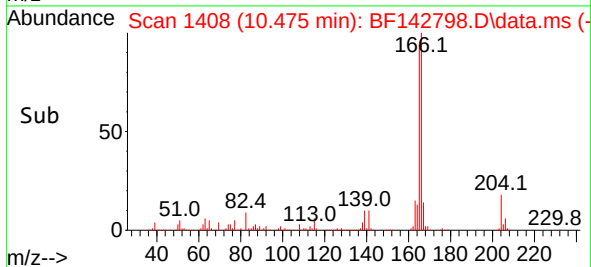
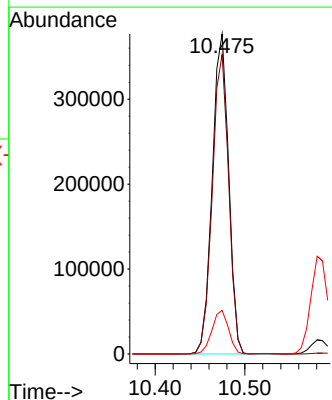
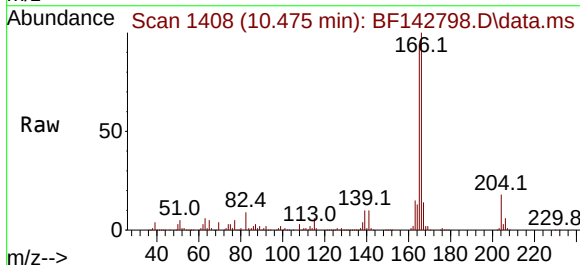
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

Tgt Ion:165 Resp: 147507  
Ion Ratio Lower Upper  
165 100  
63 43.6 33.9 50.9  
89 64.7 50.6 75.8  
182 2.7 2.3 3.5

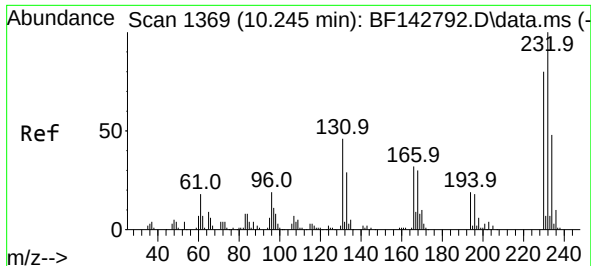


#58  
Fluorene  
Concen: 44.438 ng  
RT: 10.475 min Scan# 1408  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:166 Resp: 477642  
Ion Ratio Lower Upper  
166 100  
165 93.6 75.2 112.8  
167 13.6 10.6 15.8







#59

2,3,4,6-Tetrachlorophenol

Concen: 46.311 ng

RT: 10.245 min Scan# 1369

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

Tgt Ion:232 Resp: 121792

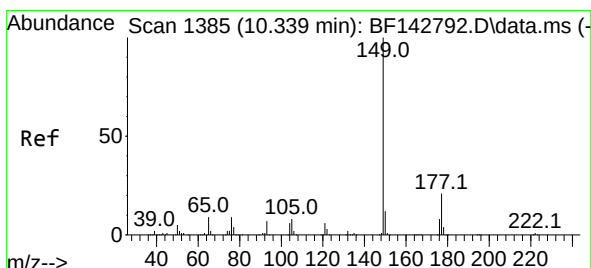
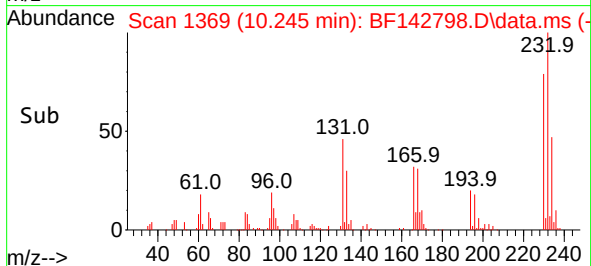
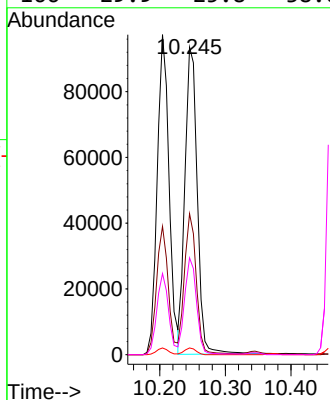
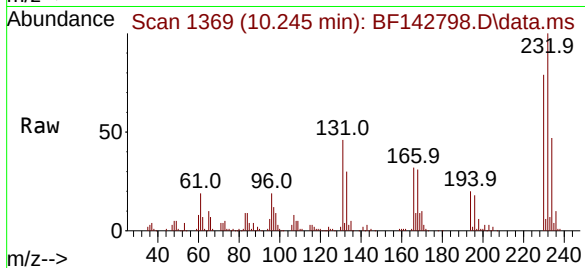
Ion Ratio Lower Upper

232 100

131 44.0 37.6 56.4

130 2.1 1.7 2.5

166 29.9 25.8 38.6



#60

Diethylphthalate

Concen: 46.692 ng

RT: 10.345 min Scan# 1386

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

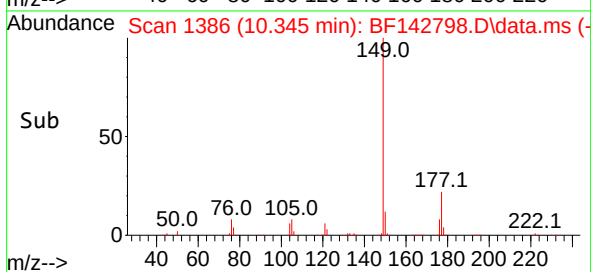
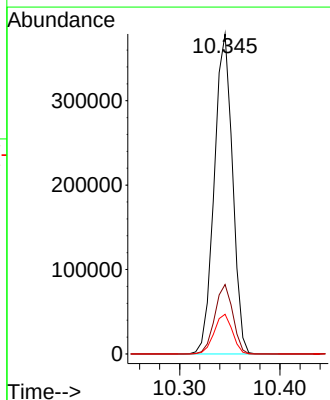
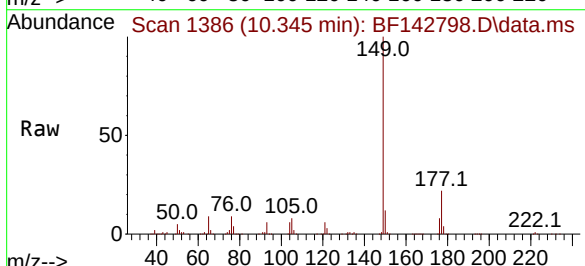
Tgt Ion:149 Resp: 477692

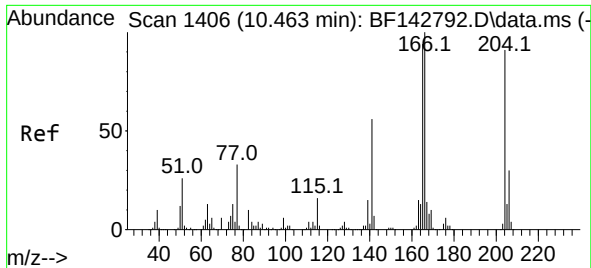
Ion Ratio Lower Upper

149 100

177 21.7 17.0 25.6

150 12.4 9.8 14.6

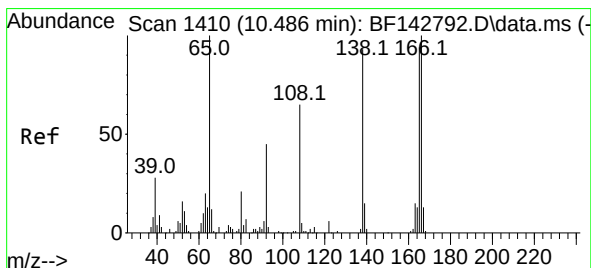
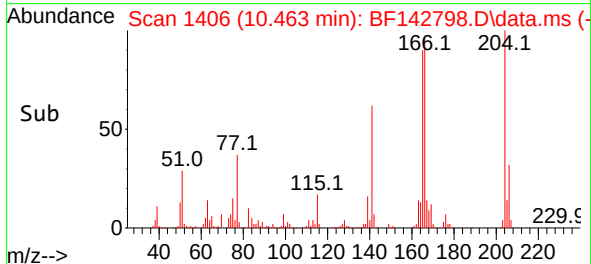
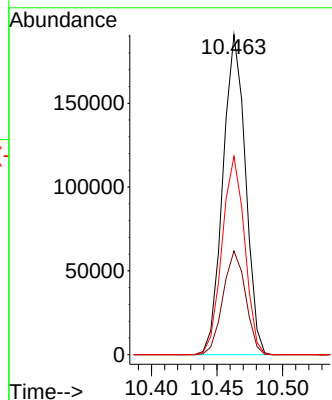
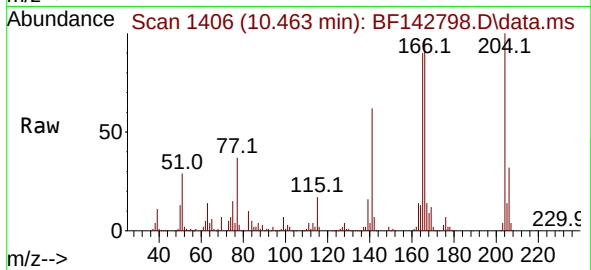




#61  
4-Chlorophenyl-phenylether  
Concen: 44.496 ng  
RT: 10.463 min Scan# 1406  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

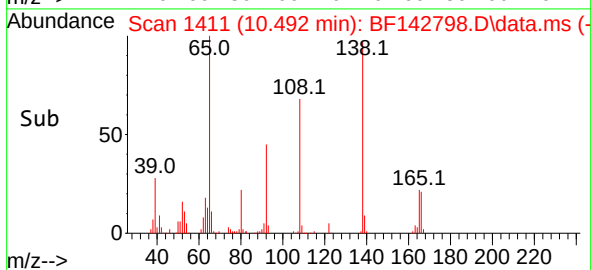
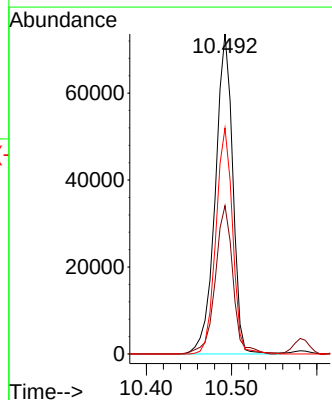
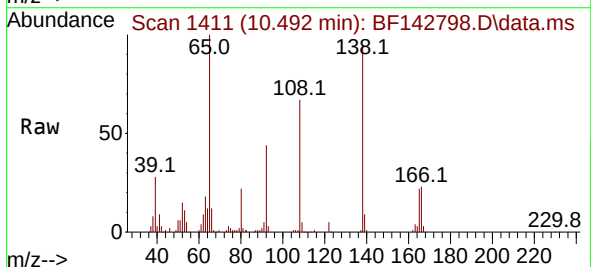
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

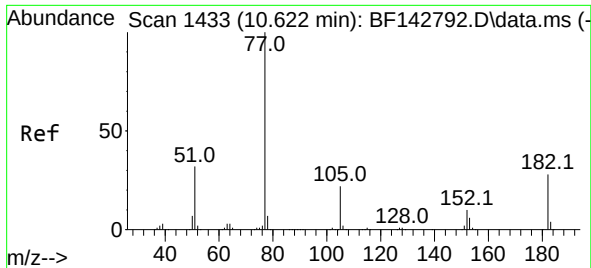
Tgt Ion:204 Resp: 228224  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.3 39.5  
141 61.9 49.1 73.7



#62  
4-Nitroaniline  
Concen: 45.386 ng  
RT: 10.492 min Scan# 1411  
Delta R.T. 0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:138 Resp: 104723  
Ion Ratio Lower Upper  
138 100  
92 46.4 28.4 68.4  
108 70.6 50.2 90.2

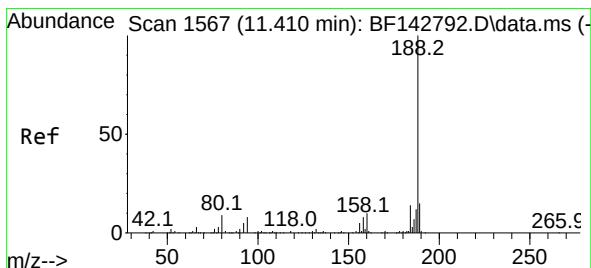
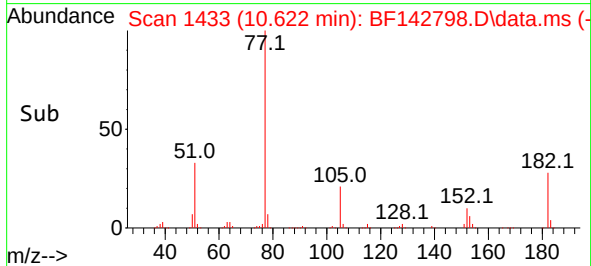
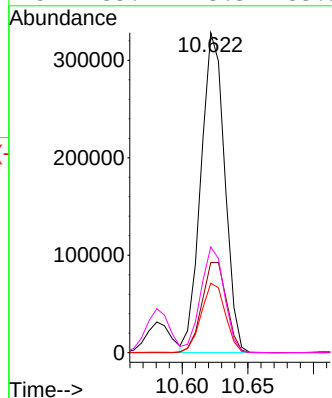
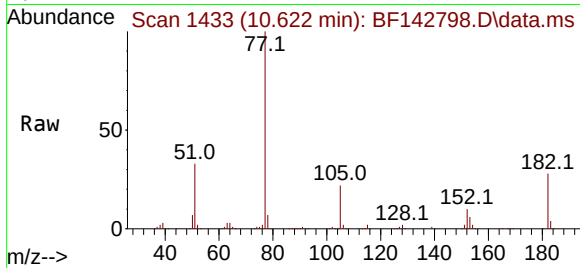




#63  
Azobenzene  
Concen: 45.315 ng  
RT: 10.622 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

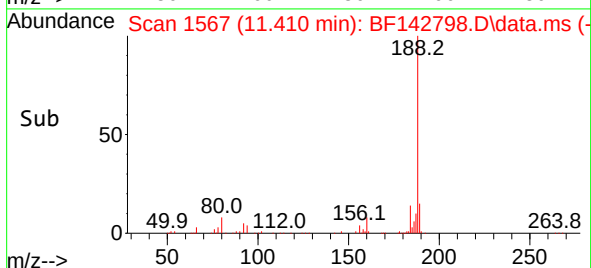
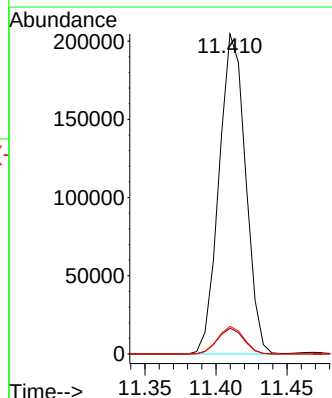
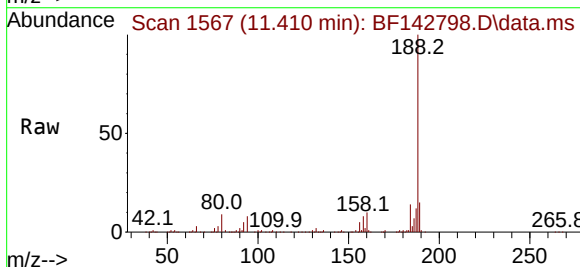
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

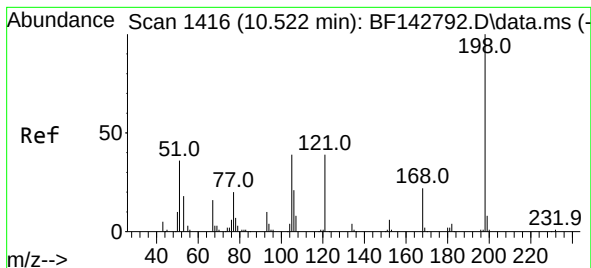
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 414351 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 28.1  | 7.7   | 47.7   |
| 105       | 21.7  | 1.9   | 41.9   |
| 51        | 33.1  | 13.3  | 53.3   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.410 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 265537 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 8.1   | 6.7   | 10.1   |
| 80        | 8.6   | 6.9   | 10.3   |

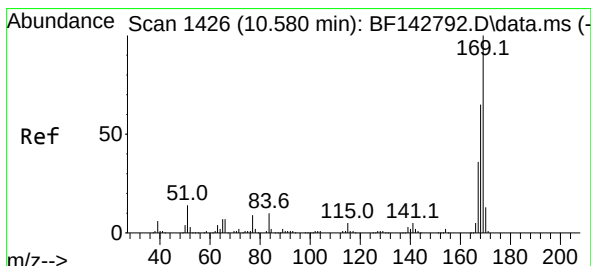
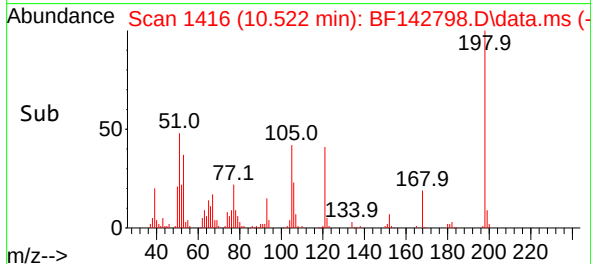
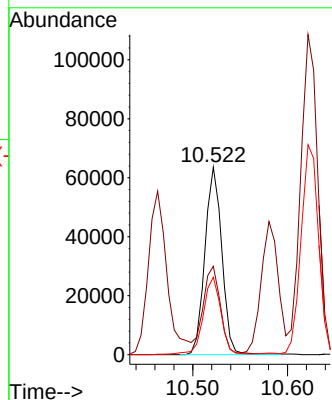
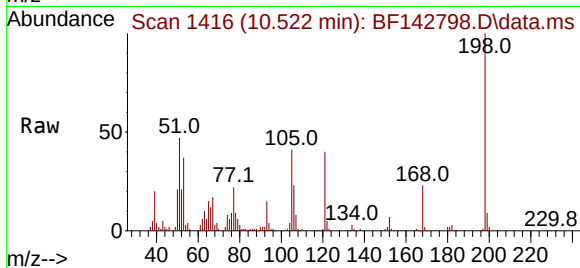




#65  
4,6-Dinitro-2-methylphenol  
Concen: 49.237 ng  
RT: 10.522 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

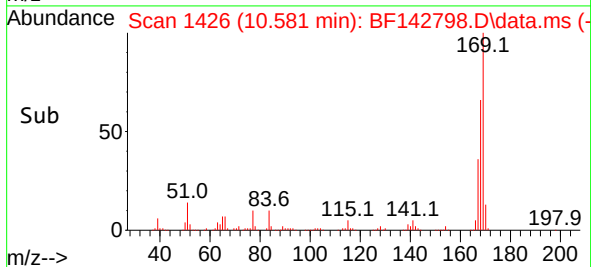
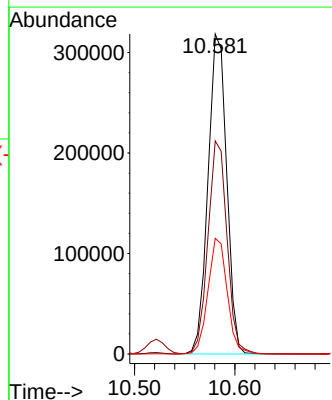
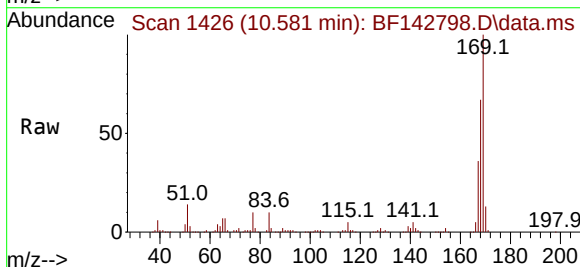
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

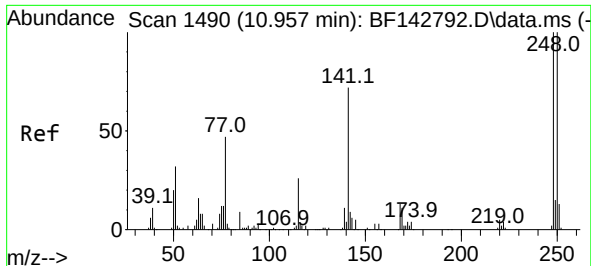
Tgt Ion:198 Resp: 79081  
Ion Ratio Lower Upper  
198 100  
51 47.2 25.4 65.4  
105 41.3 20.4 60.4



#66  
n-Nitrosodiphenylamine  
Concen: 44.829 ng  
RT: 10.581 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:169 Resp: 412551  
Ion Ratio Lower Upper  
169 100  
168 66.6 51.9 77.9  
167 36.1 28.5 42.7

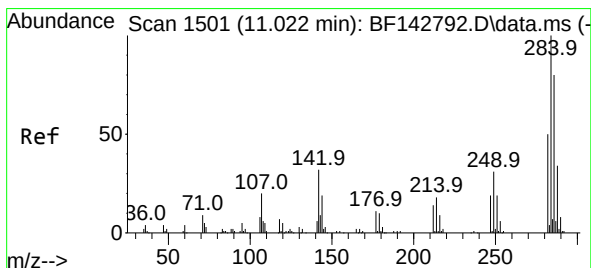
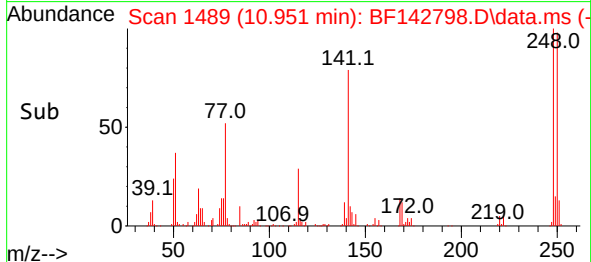
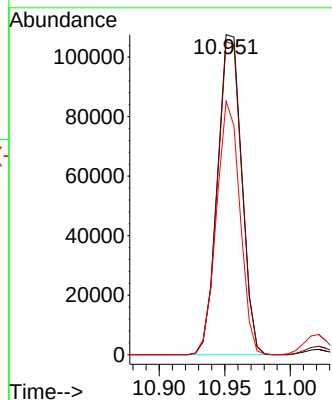
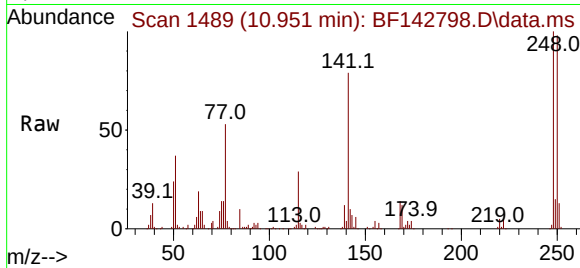




#67  
4-Bromophenyl-phenylether  
Concen: 45.848 ng  
RT: 10.951 min Scan# 1490  
Delta R.T. -0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

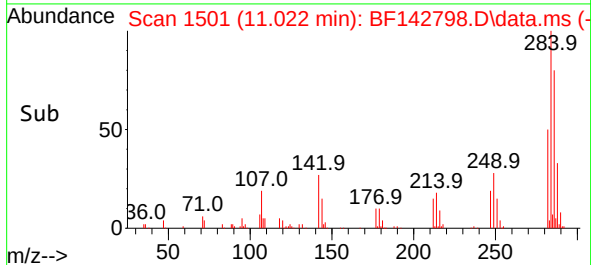
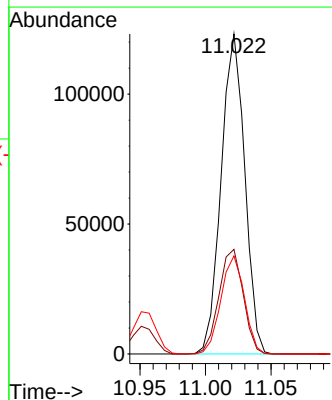
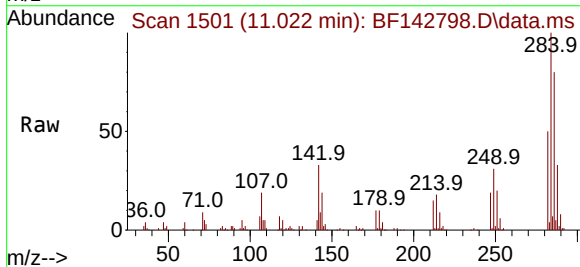
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

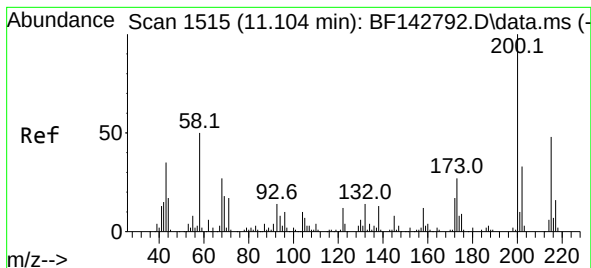
Tgt Ion:248 Resp: 138555  
Ion Ratio Lower Upper  
248 100  
250 97.8 79.8 119.8  
141 79.1 57.8 86.6



#68  
Hexachlorobenzene  
Concen: 45.794 ng  
RT: 11.022 min Scan# 1501  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:284 Resp: 153776  
Ion Ratio Lower Upper  
284 100  
142 32.7 25.5 38.3  
249 30.7 24.9 37.3





#69

Atrazine

Concen: 51.027 ng

RT: 11.110 min Scan# 1516

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

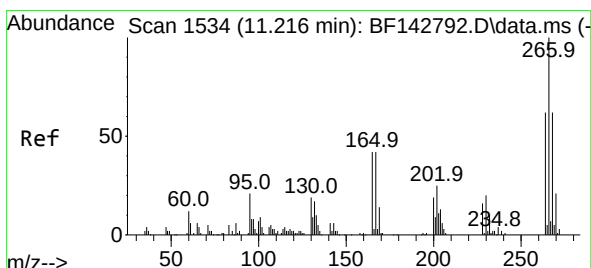
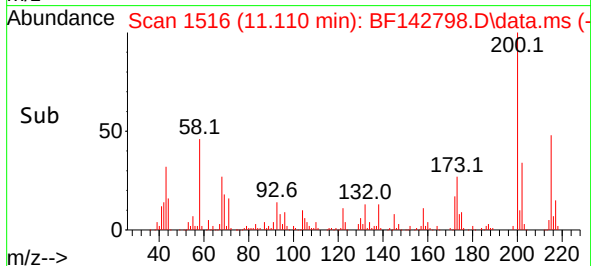
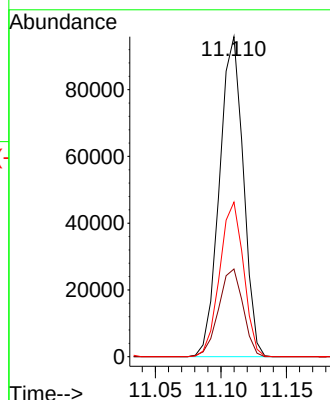
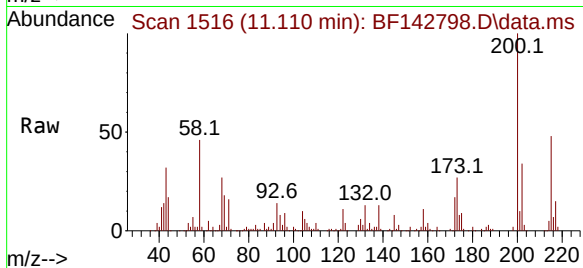
Tgt Ion:200 Resp: 121265

Ion Ratio Lower Upper

200 100

173 27.4 7.4 47.4

215 48.3 28.4 68.4



#70

Pentachlorophenol

Concen: 98.290 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

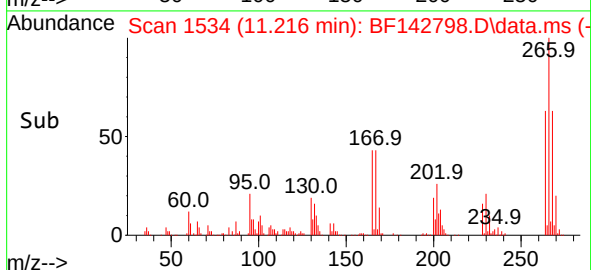
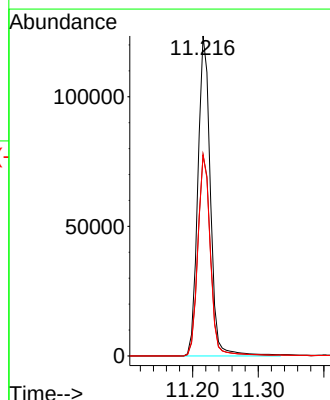
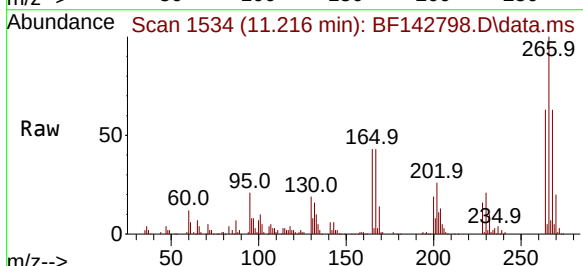
Tgt Ion:266 Resp: 164469

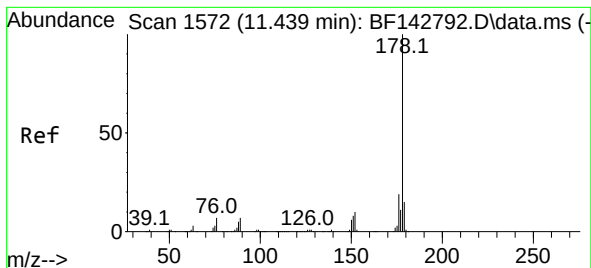
Ion Ratio Lower Upper

266 100

268 62.8 49.8 74.8

264 62.8 49.9 74.9





#71

Phenanthrene

Concen: 45.203 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

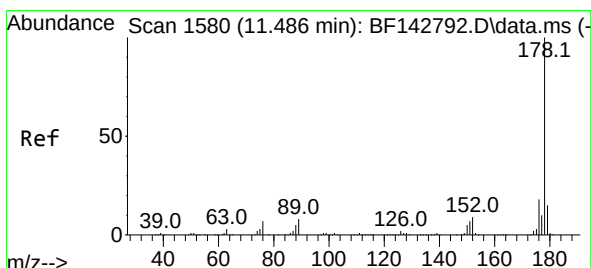
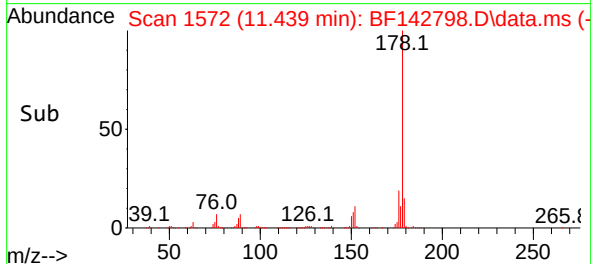
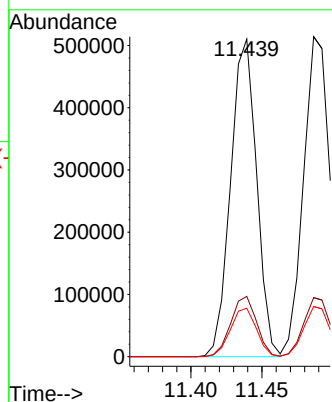
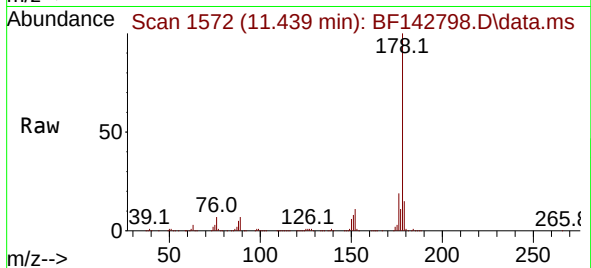
Tgt Ion:178 Resp: 650212

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.3 12.0 18.0



#72

Anthracene

Concen: 44.959 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

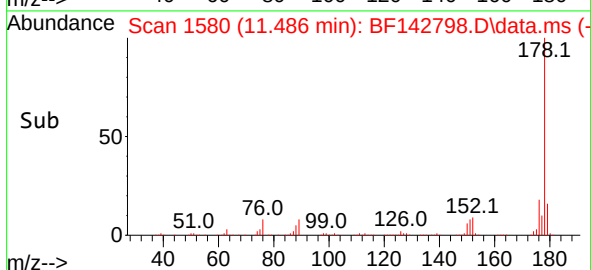
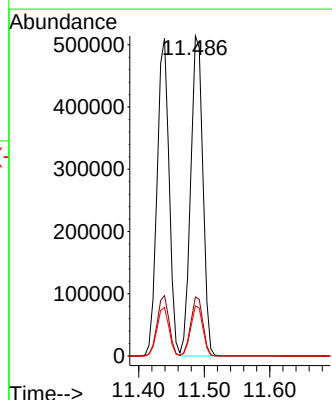
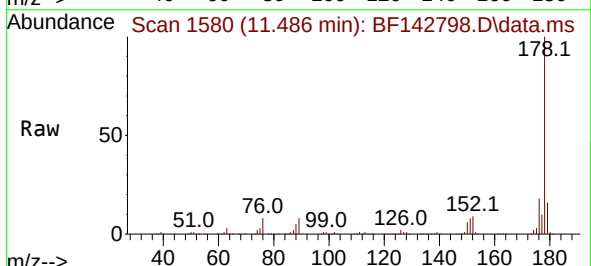
Tgt Ion:178 Resp: 663251

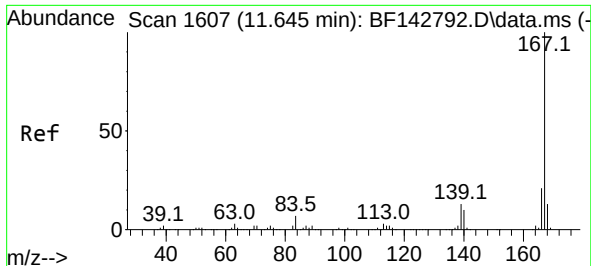
Ion Ratio Lower Upper

178 100

176 18.4 14.6 21.8

179 15.6 12.4 18.6

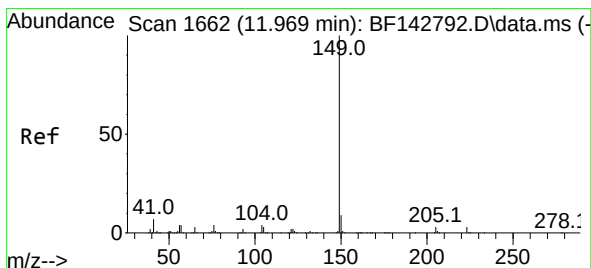
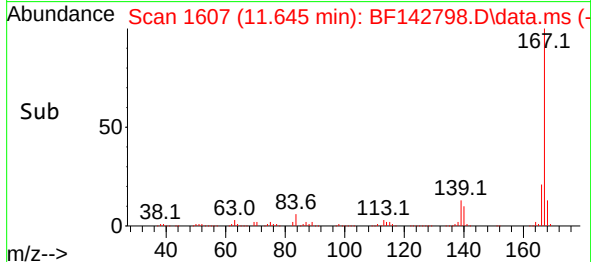
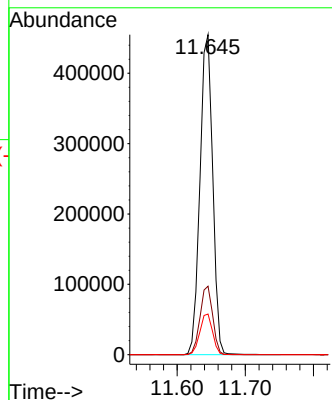
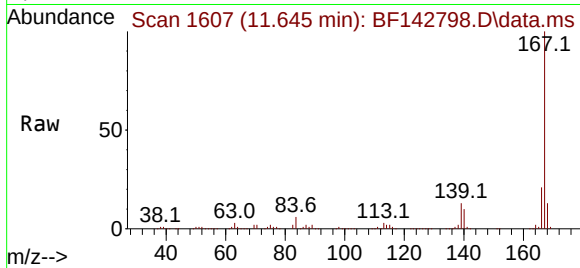




#73  
 Carbazole  
 Concen: 46.340 ng  
 RT: 11.645 min Scan# 1607  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

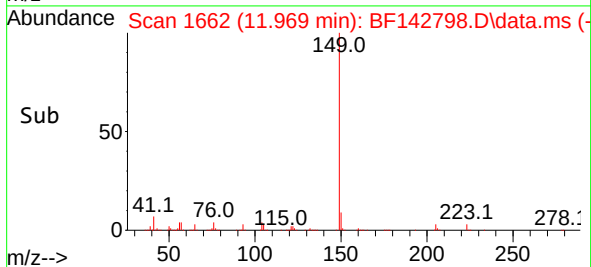
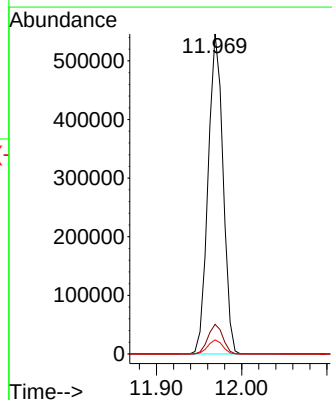
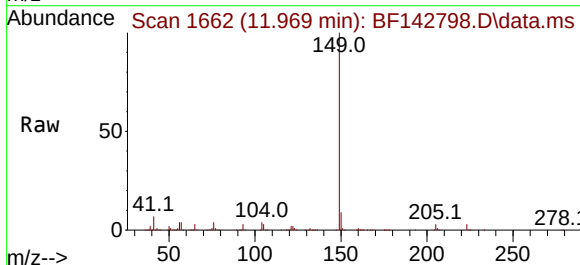
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

Tgt Ion:167 Resp: 589939  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.0 25.4  
 139 12.7 10.2 15.2

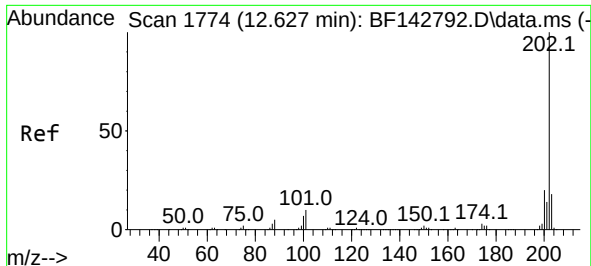


#74  
 Di-n-butylphthalate  
 Concen: 50.141 ng  
 RT: 11.969 min Scan# 1662  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

Tgt Ion:149 Resp: 664973  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 4.4 3.5 5.3



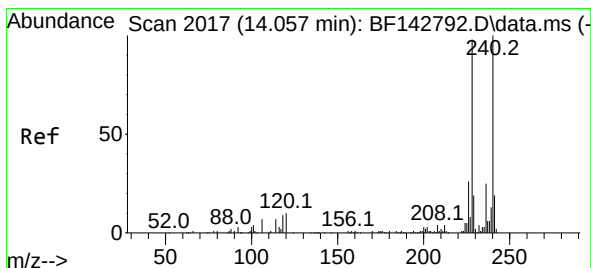
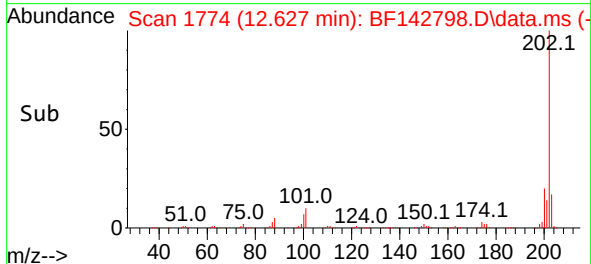
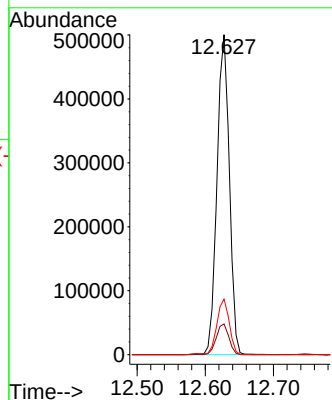
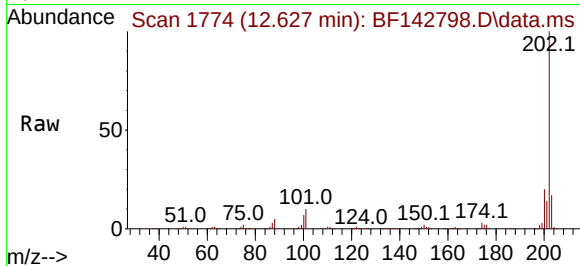




#75  
Fluoranthene  
Concen: 46.280 ng  
RT: 12.627 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

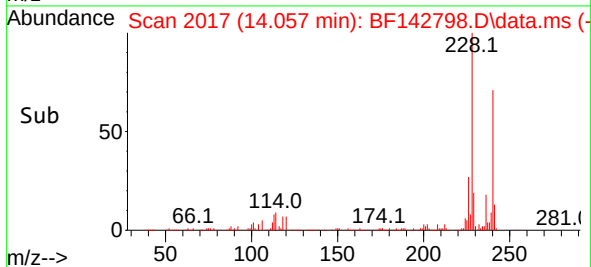
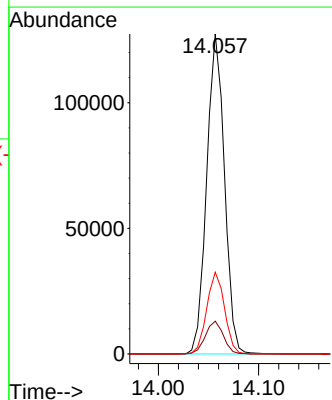
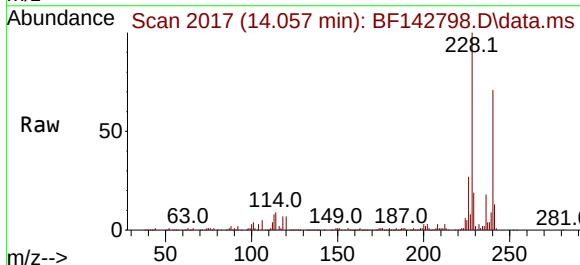
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

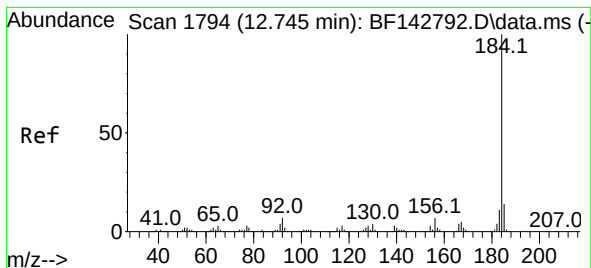
Tgt Ion:202 Resp: 631787  
Ion Ratio Lower Upper  
202 100  
101 9.6 0.0 29.7  
203 17.4 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:240 Resp: 157463  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.2 12.2  
236 25.6 19.8 29.8





#77

Benzidine

Concen: 39.852 ng

RT: 12.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

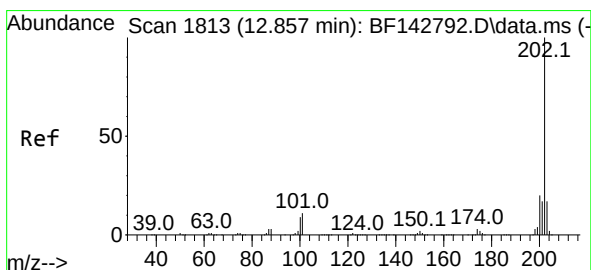
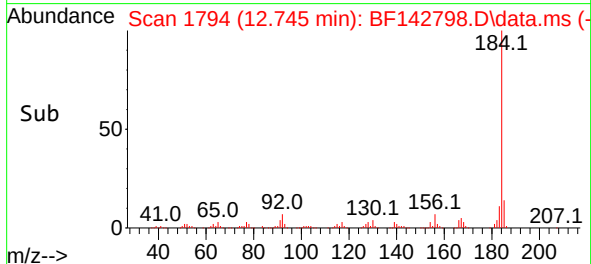
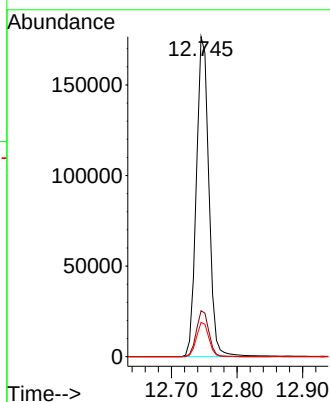
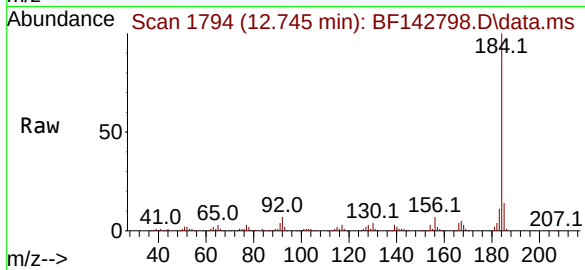
Tgt Ion:184 Resp: 235765

Ion Ratio Lower Upper

184 100

185 14.4 11.5 17.3

183 10.7 9.0 13.4



#78

Pyrene

Concen: 43.204 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

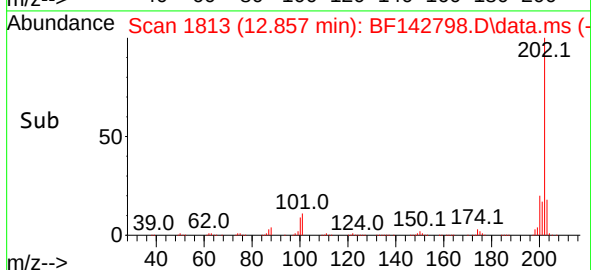
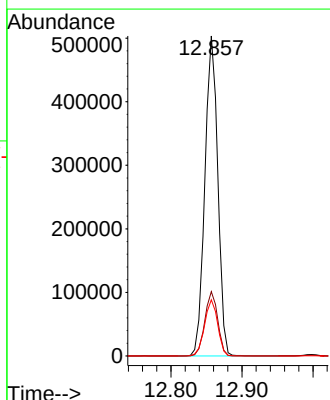
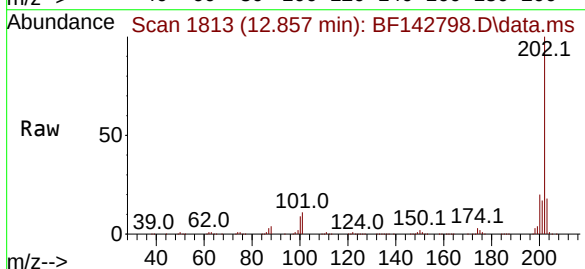
Tgt Ion:202 Resp: 637679

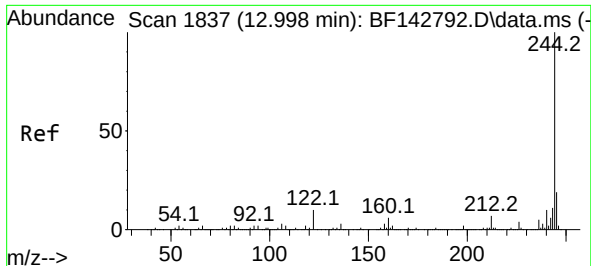
Ion Ratio Lower Upper

202 100

200 20.1 15.7 23.5

203 17.5 13.8 20.6

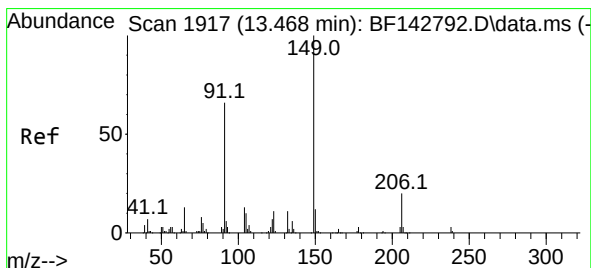
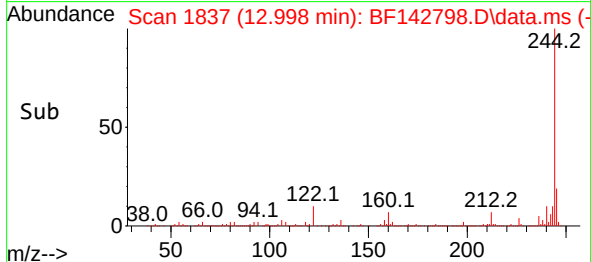
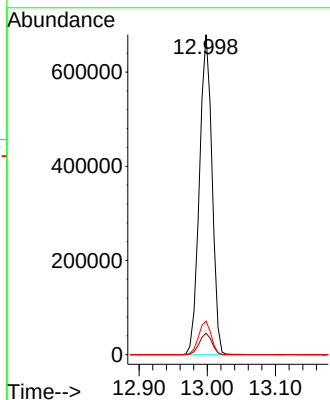
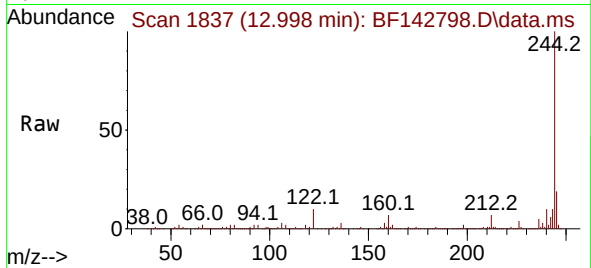




#79  
 Terphenyl-d14  
 Concen: 38.302 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

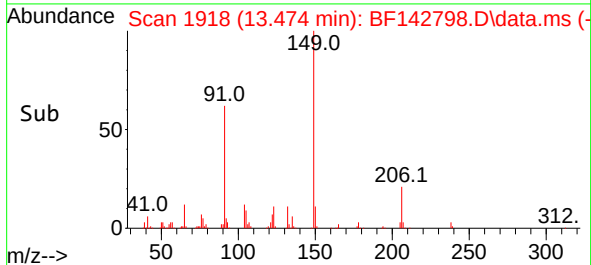
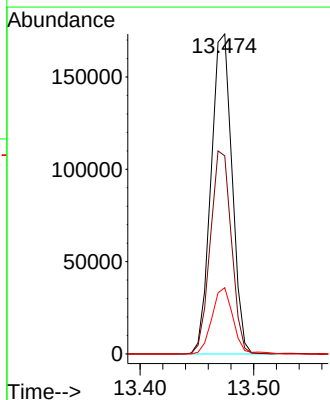
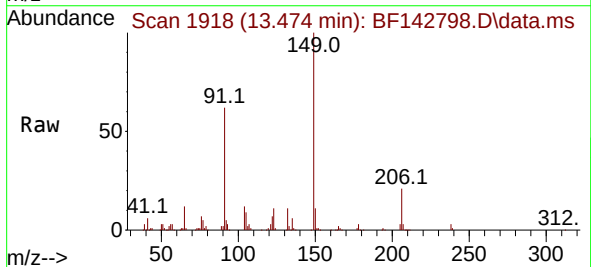
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

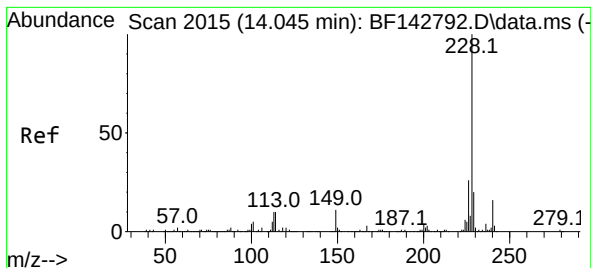
Tgt Ion:244 Resp: 873008  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 10.5 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 52.132 ng  
 RT: 13.474 min Scan# 1918  
 Delta R.T. 0.006 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

Tgt Ion:149 Resp: 223198  
 Ion Ratio Lower Upper  
 149 100  
 91 61.9 52.9 79.3  
 206 20.7 16.3 24.5





#81

Benzo(a)anthracene

Concen: 46.414 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

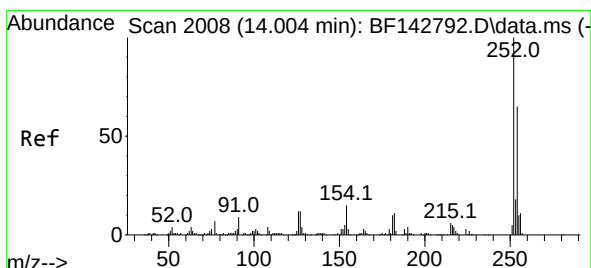
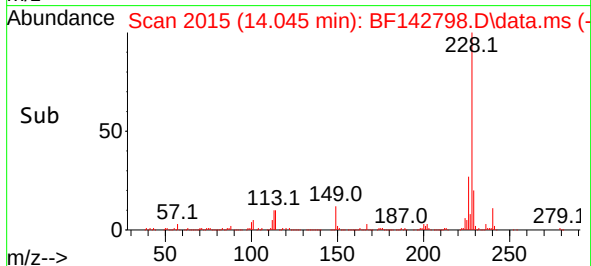
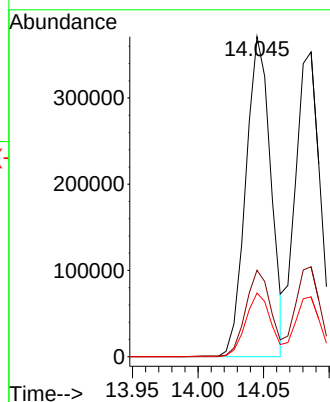
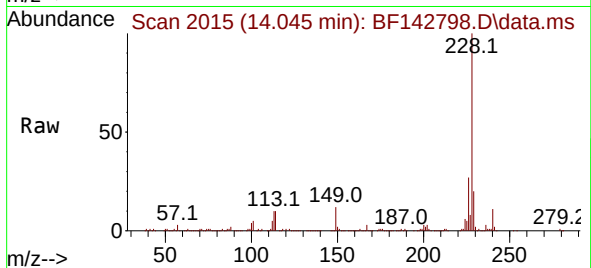
Tgt Ion:228 Resp: 493037

Ion Ratio Lower Upper

228 100

226 27.0 21.2 31.8

229 19.9 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 19.982 ng

RT: 14.010 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

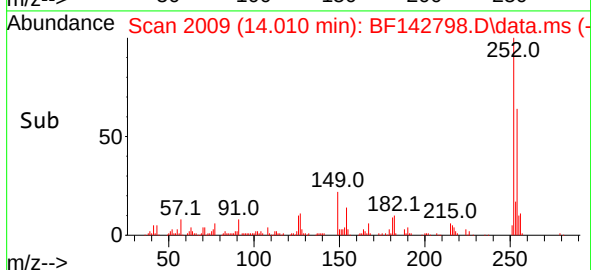
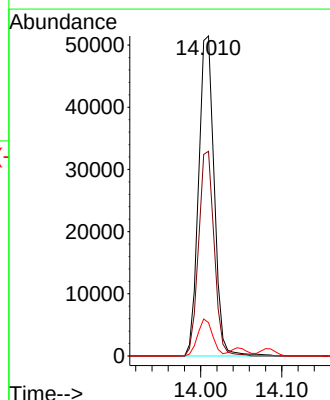
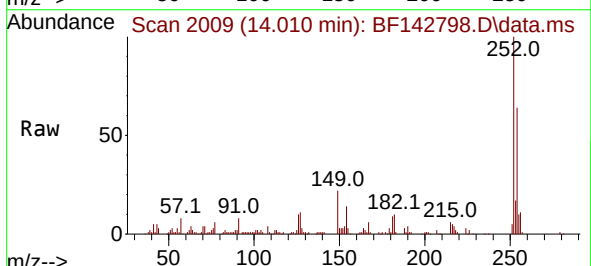
Tgt Ion:252 Resp: 68848

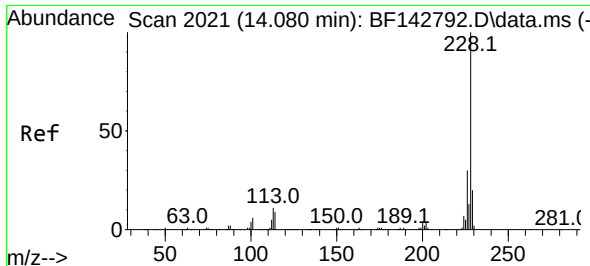
Ion Ratio Lower Upper

252 100

254 64.0 51.7 77.5

126 10.4 9.4 14.2

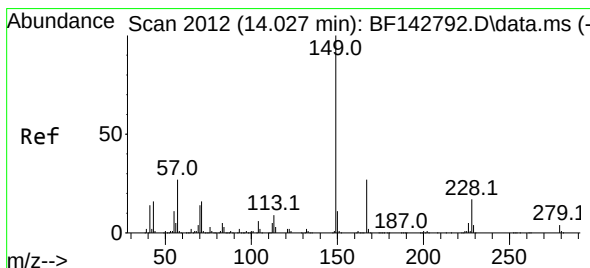
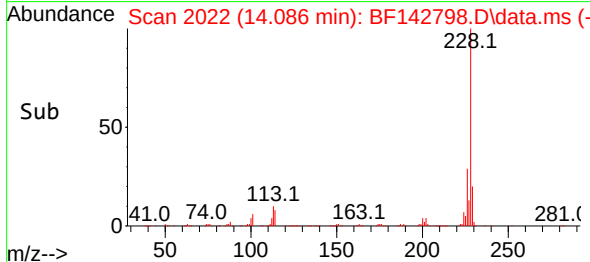
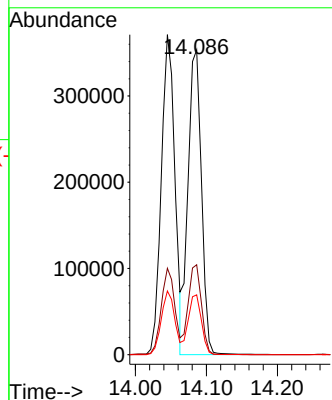
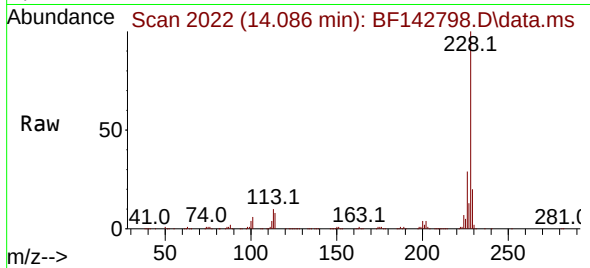




#83  
Chrysene  
Concen: 48.774 ng  
RT: 14.086 min Scan# 2012  
Delta R.T. 0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

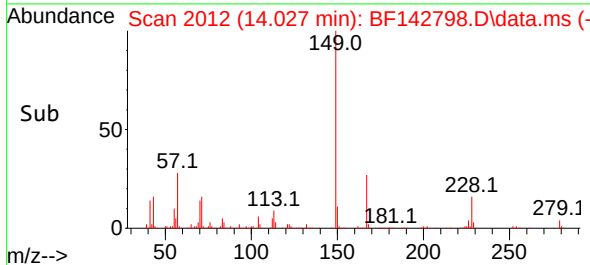
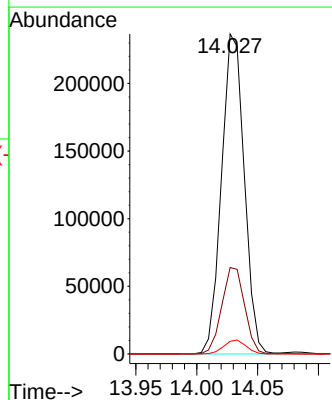
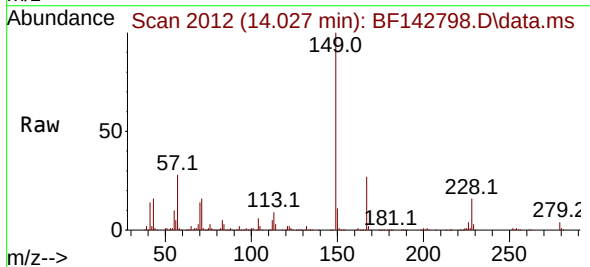
Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

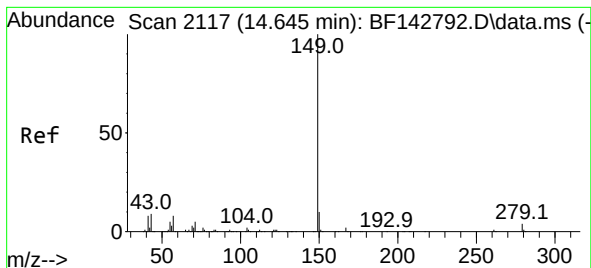
Tgt Ion:228 Resp: 462320  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.7 35.5  
229 19.7 15.7 23.5



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 49.906 ng  
RT: 14.027 min Scan# 2012  
Delta R.T. 0.000 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:149 Resp: 307417  
Ion Ratio Lower Upper  
149 100  
167 27.0 21.4 32.0  
279 4.0 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 47.189 ng

RT: 14.645 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

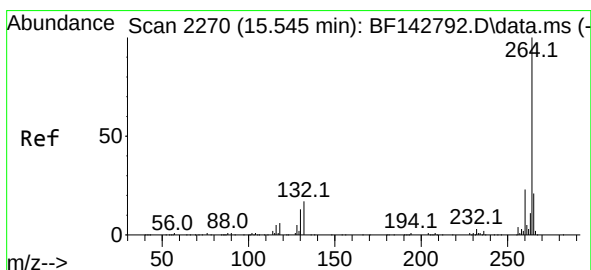
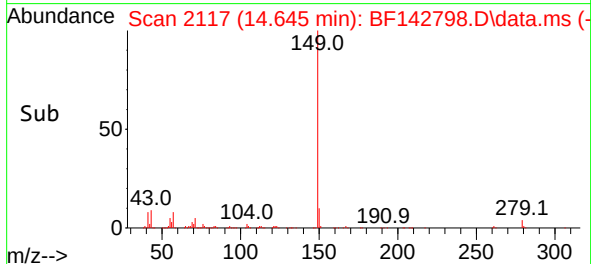
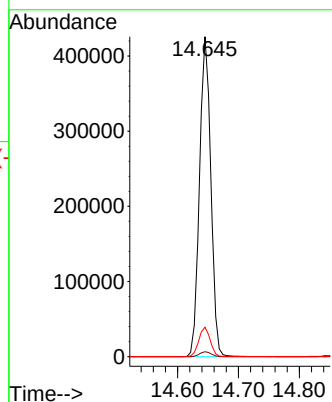
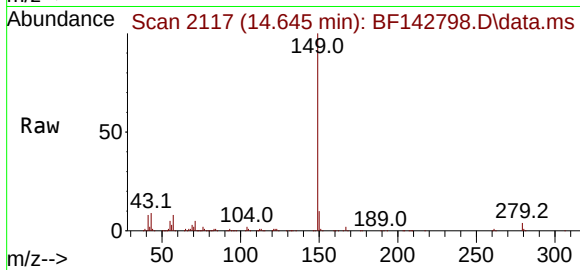
Tgt Ion:149 Resp: 548122

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.2 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

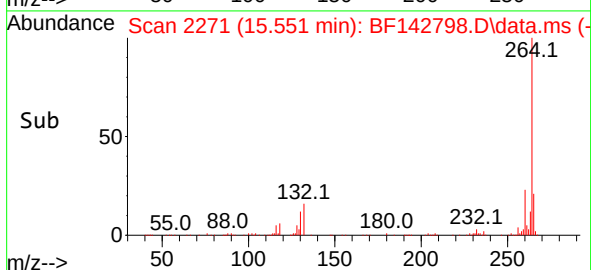
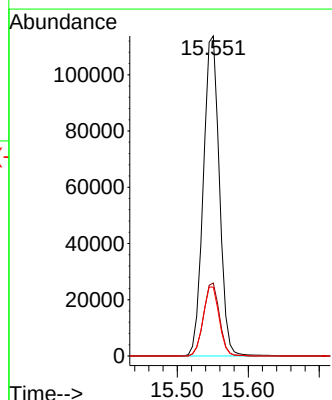
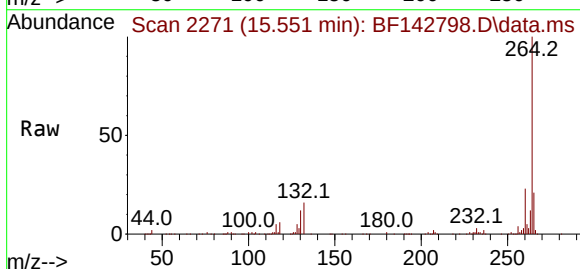
Tgt Ion:264 Resp: 179007

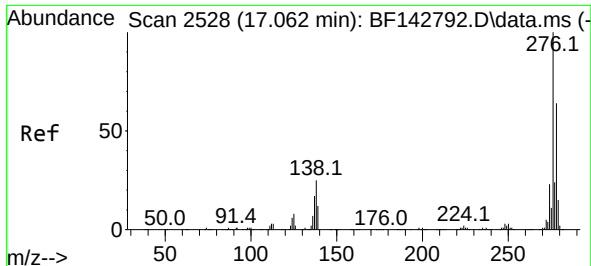
Ion Ratio Lower Upper

264 100

260 22.8 18.1 27.1

265 21.5 16.6 25.0

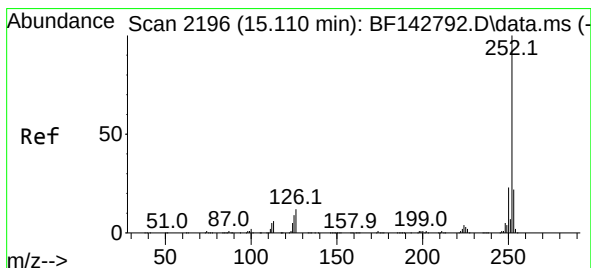
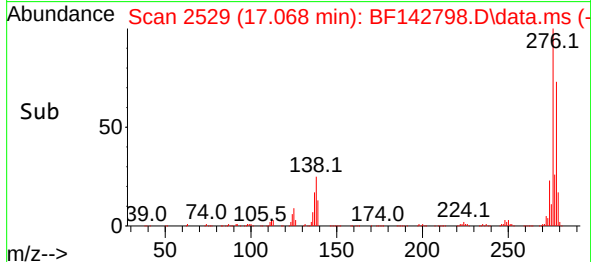
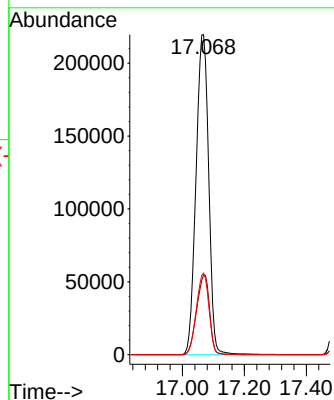
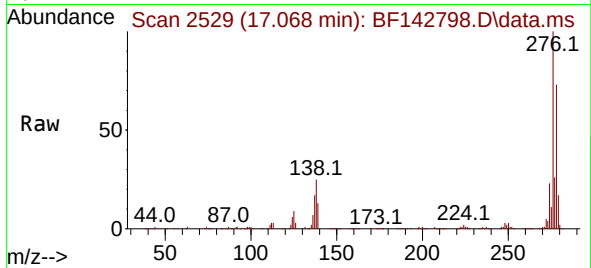




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.781 ng  
 RT: 17.068 min Scan# 2129  
 Delta R.T. 0.006 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

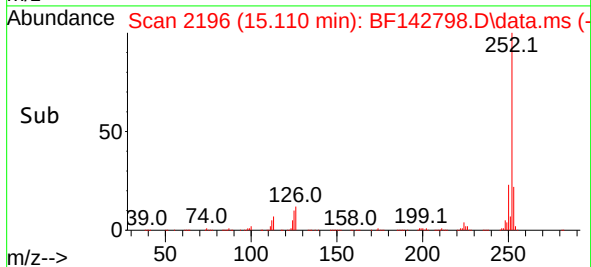
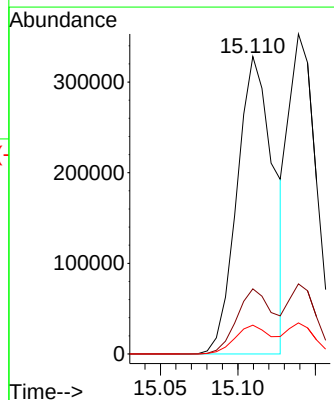
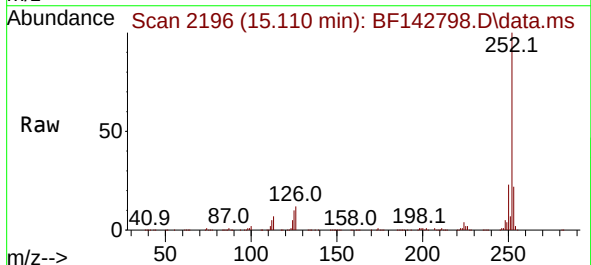
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB168536BS

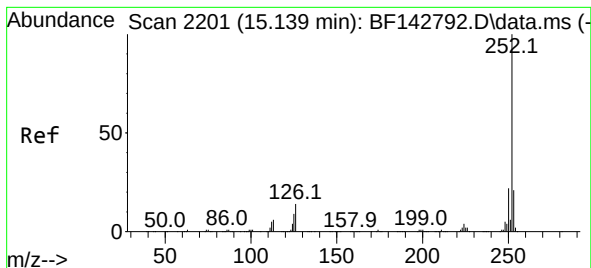
Tgt Ion:276 Resp: 624221  
 Ion Ratio Lower Upper  
 276 100  
 138 25.3 20.2 30.4  
 277 25.3 19.8 29.6



#88  
 Benzo(b)fluoranthene  
 Concen: 51.974 ng  
 RT: 15.110 min Scan# 2196  
 Delta R.T. 0.000 min  
 Lab File: BF142798.D  
 Acq: 19 Jun 2025 22:40

Tgt Ion:252 Resp: 538352  
 Ion Ratio Lower Upper  
 252 100  
 253 21.9 17.5 26.3  
 125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.276 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

Instrument :

BNA\_F

ClientSampleId :

PB168536BS

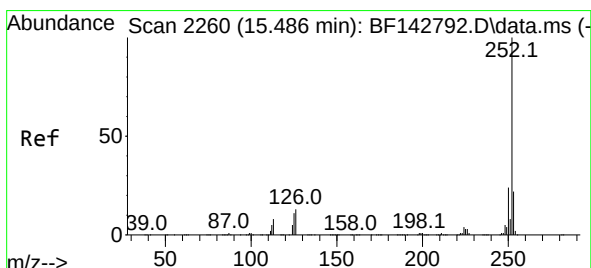
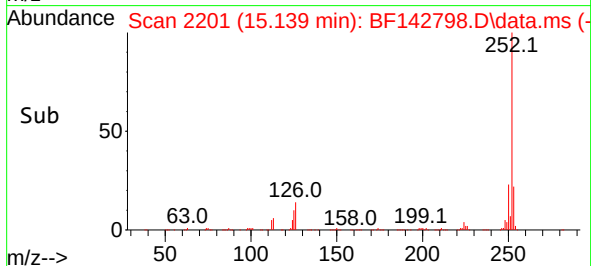
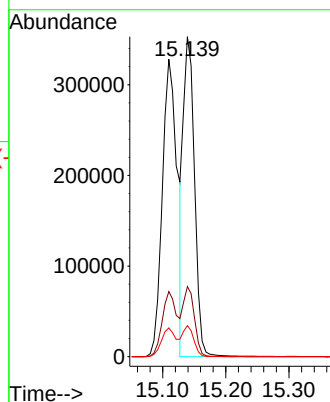
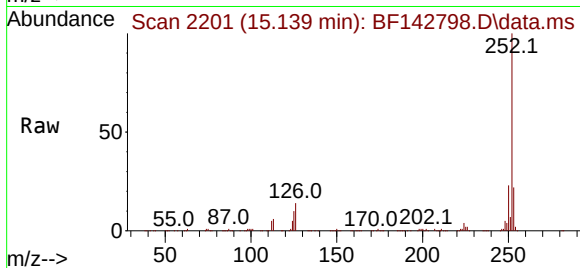
Tgt Ion:252 Resp: 438761

Ion Ratio Lower Upper

252 100

253 21.9 17.2 25.8

125 9.7 7.4 11.2



#90

Benzo(a)pyrene

Concen: 48.729 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF142798.D

Acq: 19 Jun 2025 22:40

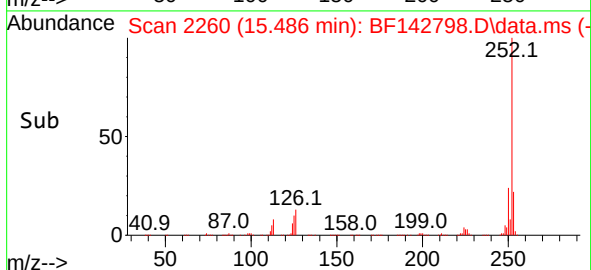
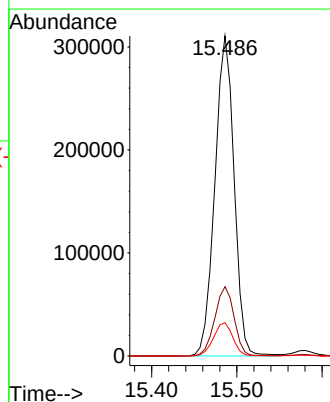
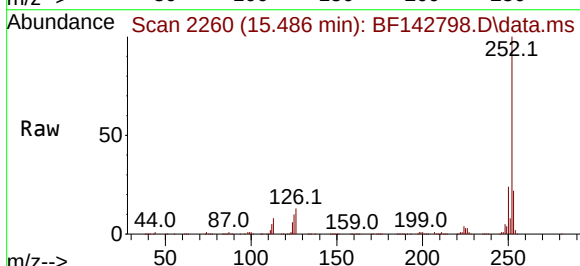
Tgt Ion:252 Resp: 487619

Ion Ratio Lower Upper

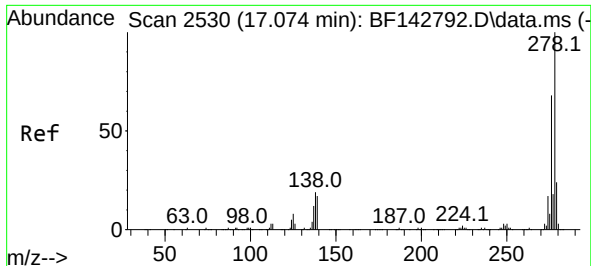
252 100

253 21.7 17.5 26.3

125 10.4 8.6 12.8



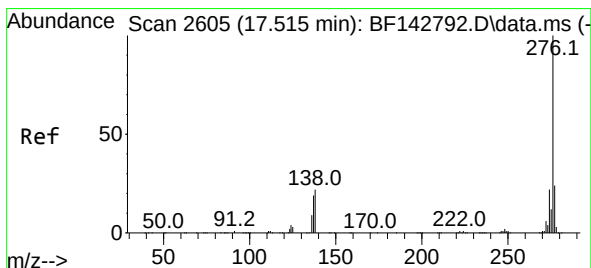
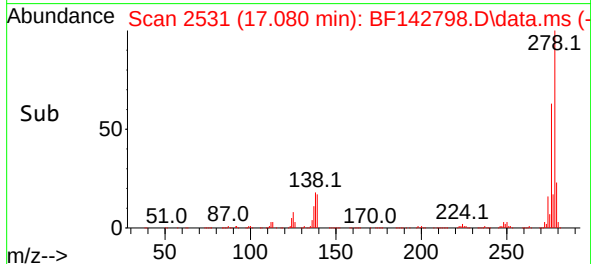
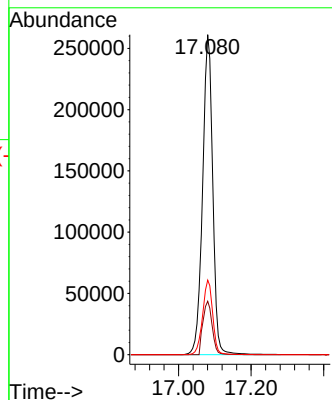
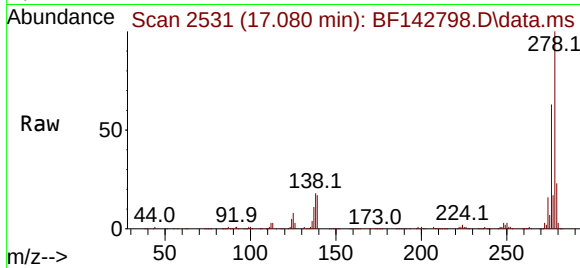




#91  
Dibenzo(a,h)anthracene  
Concen: 45.840 ng  
RT: 17.080 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Instrument :  
BNA\_F  
ClientSampleId :  
PB168536BS

Tgt Ion:278 Resp: 507840  
Ion Ratio Lower Upper  
278 100  
139 16.7 13.5 20.3  
279 23.3 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 45.765 ng  
RT: 17.521 min Scan# 2606  
Delta R.T. 0.006 min  
Lab File: BF142798.D  
Acq: 19 Jun 2025 22:40

Tgt Ion:276 Resp: 505570  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.8 28.2  
138 21.6 17.6 26.4

