

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121225\  
 Data File : BF144455.D  
 Acq On : 12 Dec 2025 17:36  
 Operator : RC/JU  
 Sample : PB170916BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170916BS

Quant Time: Dec 12 23:31:28 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 12 15:57:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.792  | 152  | 215724   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 872395   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 471990   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 766320   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 437655   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.380 | 264  | 454153   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 1614955  | 112.878 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.422  | 99   | 2035102  | 114.040 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 1237946  | 88.799  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 561817   | 131.658 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 2300964  | 74.787  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 2164576  | 78.084  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.563  | 88   | 246673   | 35.855  | ng    | 99       |
| 3) Pyridine                   | 3.298  | 79   | 572944   | 30.287  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.240  | 42   | 343837   | 41.823  | ng    | 98       |
| 6) Aniline                    | 6.457  | 93   | 678391   | 27.252  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.575  | 128  | 666942   | 43.480  | ng    | 99       |
| 9) Benzaldehyde               | 6.339  | 77   | 269969   | 19.324  | ng    | 99       |
| 10) Phenol                    | 6.434  | 94   | 842261   | 39.990  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 614221   | 39.898  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.734  | 146  | 665178   | 40.137  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.810  | 146  | 679537   | 40.866  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 654519   | 41.448  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 585914   | 44.545  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 1027248  | 39.540  | ng    | 100      |
| 17) 2-Methylphenol            | 7.045  | 107  | 551574   | 42.658  | ng    | 99       |
| 18) Hexachloroethane          | 7.310  | 117  | 240706   | 41.662  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 469767   | 41.674  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 673738   | 42.408  | ng    | 96       |
| 22) Acetophenone              | 7.204  | 105  | 963007   | 44.503  | ng    | 100      |
| 24) Nitrobenzene              | 7.375  | 77   | 691086   | 45.696  | ng    | 99       |
| 25) Isophorone                | 7.616  | 82   | 1297958  | 41.254  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 310542   | 47.263  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 635841   | 42.355  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 788856   | 40.690  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 547680   | 43.907  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 572012   | 42.280  | ng    | 99       |
| 31) Naphthalene               | 8.098  | 128  | 1871516  | 39.860  | ng    | 100      |
| 32) Benzoic acid              | 7.851  | 122  | 447123   | 49.005  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 402673   | 21.336  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 330777   | 39.542  | ng    | 98       |
| 35) Caprolactam               | 8.510  | 113  | 120332   | 29.213  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.622  | 107  | 594256   | 43.886  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 1147837  | 37.157  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 1173817  | 39.023  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 600704   | 44.719  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.945  | 237  | 522945   | 65.780  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 392967   | 46.067  | ng    | 100      |

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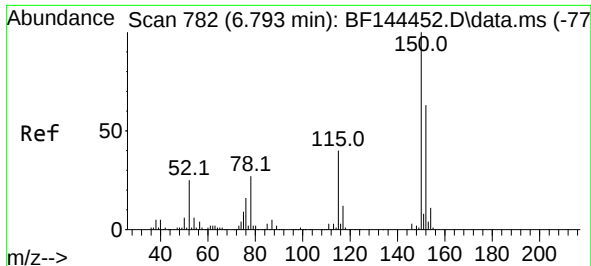
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 QLast Update : Fri Dec 12 15:57:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 398091   | 44.464 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1641813  | 44.511 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.280  | 162  | 1132649  | 40.224 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.369  | 65   | 365559   | 45.468 | ng    | 98       |
| 49) Acenaphthylene            | 9.692  | 152  | 1855946  | 41.601 | ng    | 100      |
| 50) Dimethylphthalate         | 9.557  | 163  | 1357617  | 42.583 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 293110   | 49.992 | ng    | 100      |
| 52) Acenaphthene              | 9.863  | 154  | 1231676  | 44.279 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.780  | 138  | 235190   | 33.854 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 234268   | 84.851 | ng    | # 45     |
| 55) Dibenzofuran              | 10.039 | 168  | 1627675  | 41.126 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.933  | 139  | 467301   | 86.069 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 382524   | 47.939 | ng    | 98       |
| 58) Fluorene                  | 10.380 | 166  | 1219641  | 40.696 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 339465   | 49.949 | ng    | 99       |
| 60) Diethylphthalate          | 10.257 | 149  | 1296737  | 42.915 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.374 | 204  | 593925   | 40.391 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.392 | 138  | 277396   | 39.808 | ng    | 98       |
| 63) Azobenzene                | 10.533 | 77   | 1337802  | 41.892 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 169512   | 48.809 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 1113521  | 42.402 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 375267   | 41.947 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 417250   | 42.250 | ng    | 100      |
| 69) Atrazine                  | 11.016 | 200  | 372629   | 45.300 | ng    | 100      |
| 70) Pentachlorophenol         | 11.116 | 266  | 490074   | 87.000 | ng    | 99       |
| 71) Phenanthrene              | 11.339 | 178  | 1788141  | 40.475 | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 1787809  | 39.983 | ng    | 100      |
| 73) Carbazole                 | 11.539 | 167  | 1558875  | 40.158 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 1900734  | 45.806 | ng    | 100      |
| 75) Fluoranthene              | 12.521 | 202  | 1723223  | 39.500 | ng    | 100      |
| 77) Benzidine                 | 12.645 | 184  | 105970   | 6.800  | ng    | 100      |
| 78) Pyrene                    | 12.751 | 202  | 1711935  | 42.695 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.374 | 149  | 614174   | 46.407 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 1321277  | 42.870 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 328675   | 37.635 | ng    | 99       |
| 83) Chrysene                  | 13.974 | 228  | 1140932  | 40.449 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.939 | 149  | 725596   | 47.059 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 1200791  | 50.168 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.798 | 276  | 1476152  | 45.283 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.968 | 252  | 1316693  | 44.163 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 14.998 | 252  | 1261417  | 44.745 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.321 | 252  | 1243123  | 47.701 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.821 | 278  | 1189334  | 45.177 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.227 | 276  | 1186128  | 44.311 | ng    | 100      |

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

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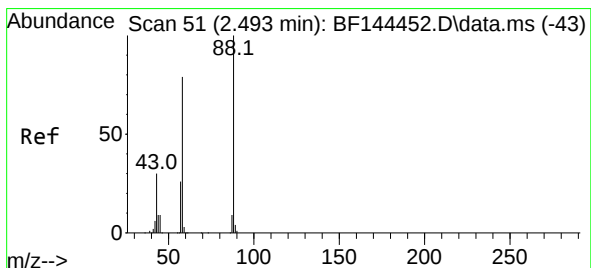
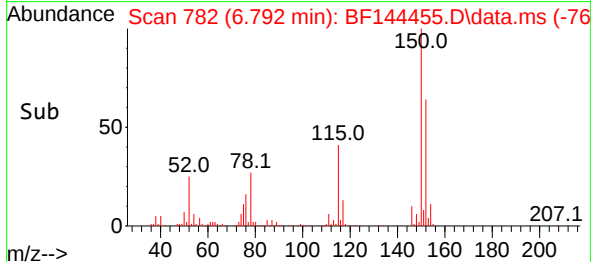
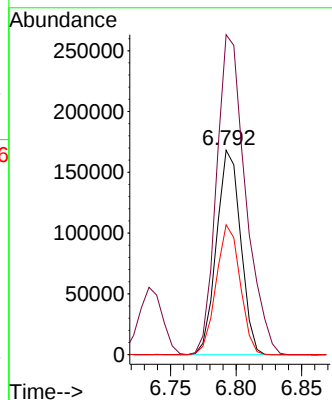
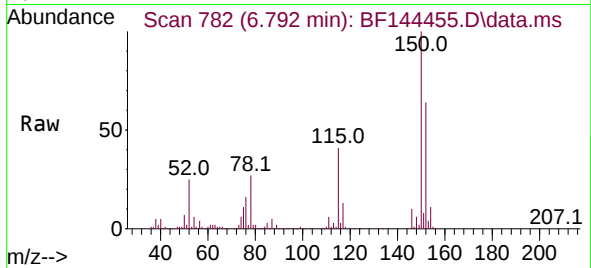




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.792 min Scan# 78  
 Delta R.T. -0.001 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

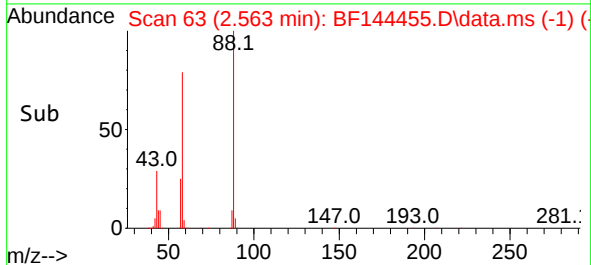
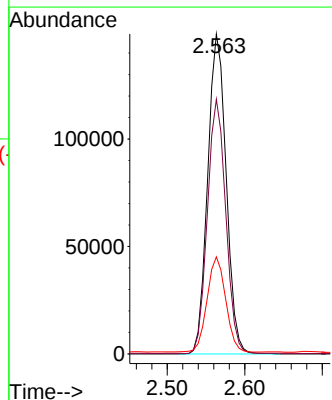
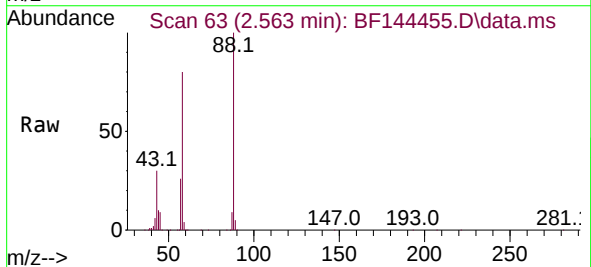
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 PB170916BS

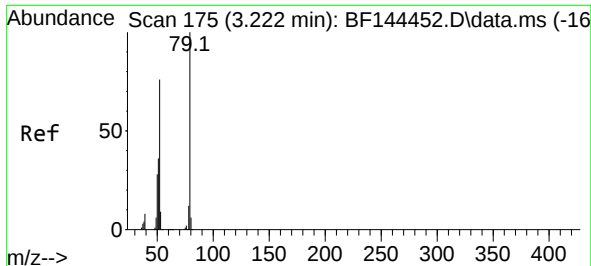
Tgt Ion:152 Resp: 215724  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 127.4 191.2  
 115 63.5 51.4 77.0



#2  
 1,4-Dioxane  
 Concen: 35.855 ng  
 RT: 2.563 min Scan# 63  
 Delta R.T. 0.070 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

Tgt Ion: 88 Resp: 246673  
 Ion Ratio Lower Upper  
 88 100  
 58 78.7 63.9 95.9  
 43 29.9 24.2 36.4

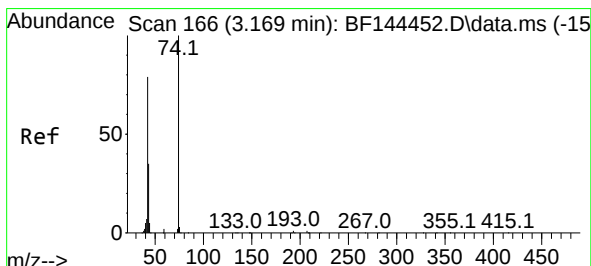
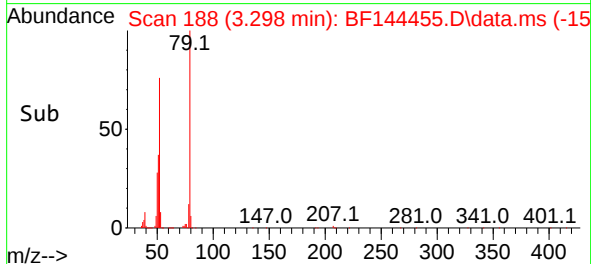
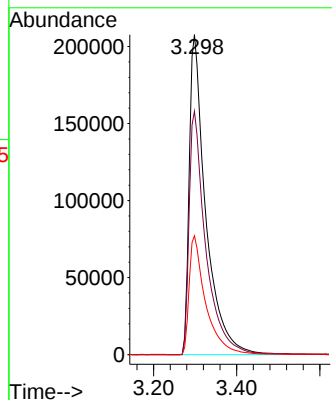
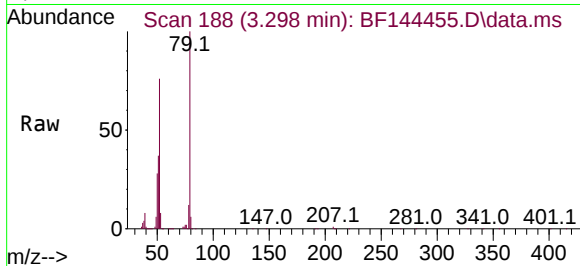




#3  
Pyridine  
Concen: 30.287 ng  
RT: 3.298 min Scan# 188  
Delta R.T. 0.076 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

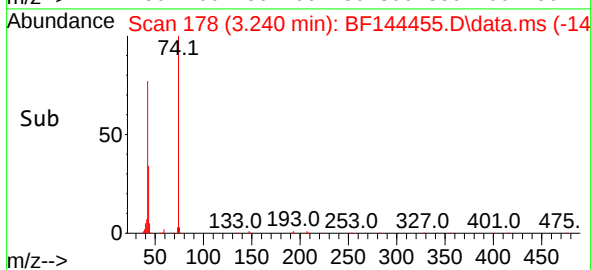
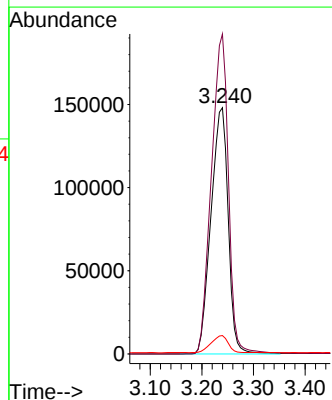
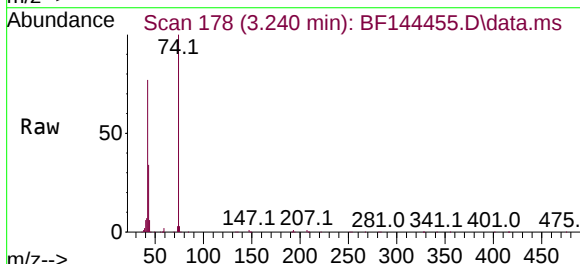
Instrument :  
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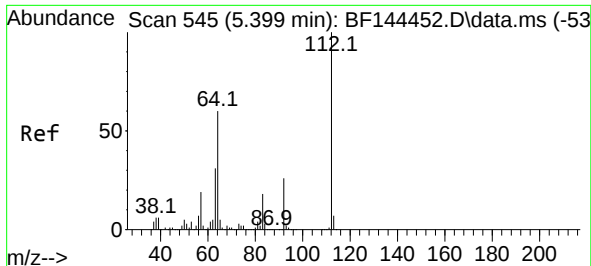
Tgt Ion: 79 Resp: 572944  
Ion Ratio Lower Upper  
79 100  
52 76.1 60.5 90.7  
51 37.1 29.0 43.6



#4  
n-Nitrosodimethylamine  
Concen: 41.823 ng  
RT: 3.240 min Scan# 178  
Delta R.T. 0.070 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion: 42 Resp: 343837  
Ion Ratio Lower Upper  
42 100  
74 130.0 101.8 152.8  
44 7.5 5.7 8.5

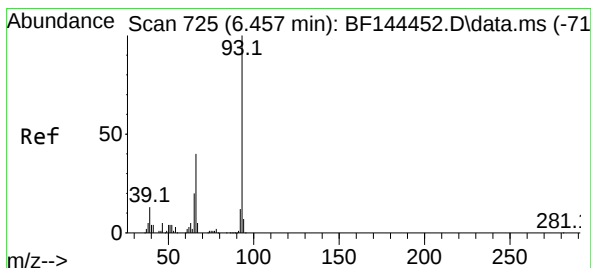
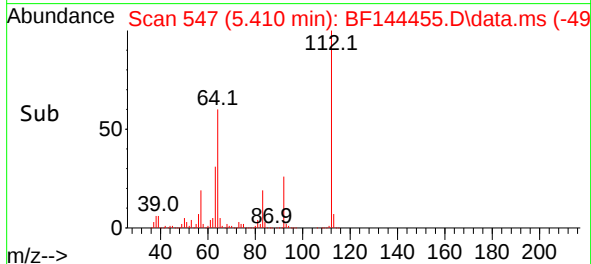
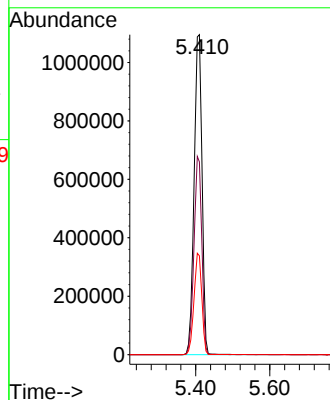
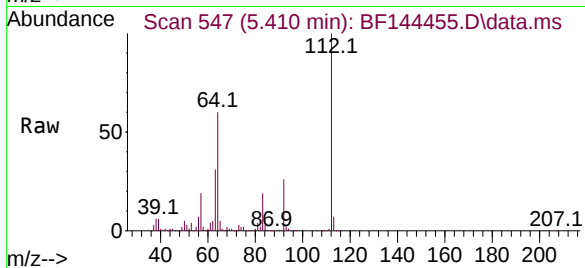




#5  
2-Fluorophenol  
Concen: 112.878 ng  
RT: 5.410 min Scan# 545  
Delta R.T. 0.012 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

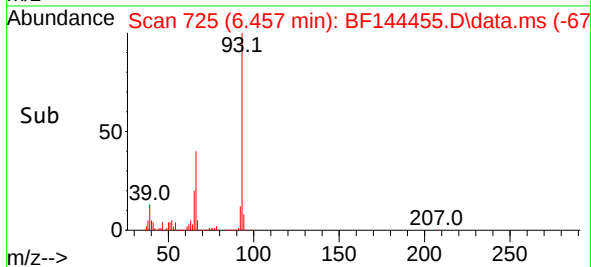
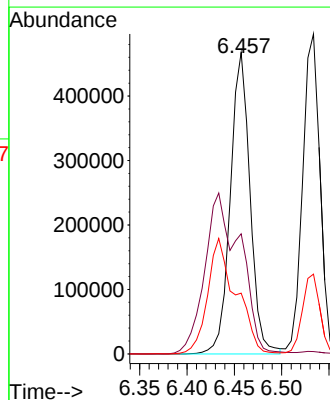
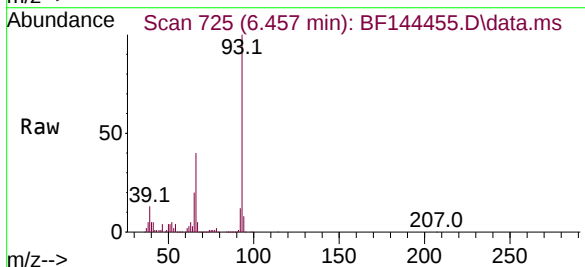
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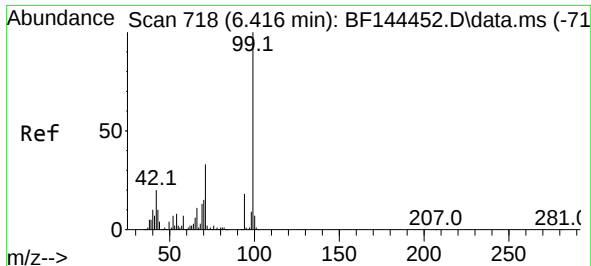
Tgt Ion:112 Resp: 1614955  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.8 71.6  
63 30.9 24.6 37.0



#6  
Aniline  
Concen: 27.252 ng  
RT: 6.457 min Scan# 725  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
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Tgt Ion: 93 Resp: 678391  
Ion Ratio Lower Upper  
93 100  
66 39.8 32.4 48.6  
65 20.1 16.1 24.1

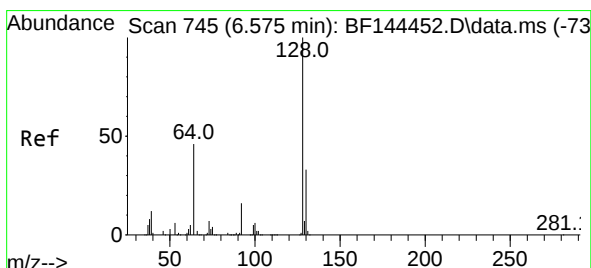
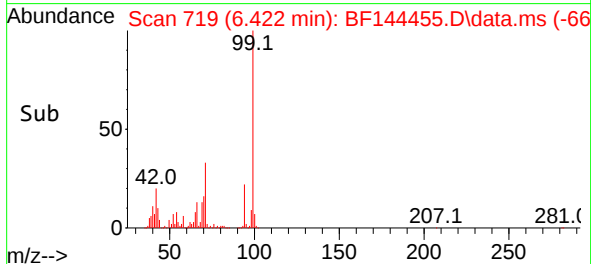
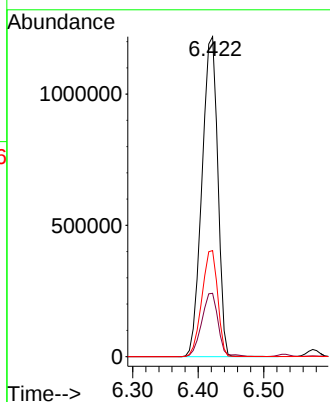
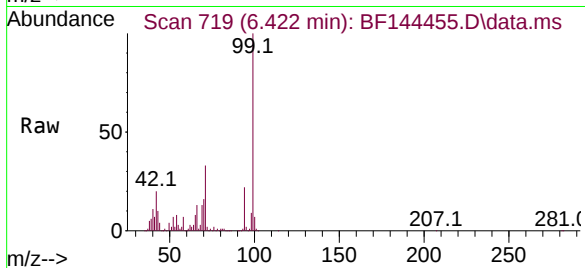




#7  
Phenol-d6  
Concen: 114.040 ng  
RT: 6.422 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

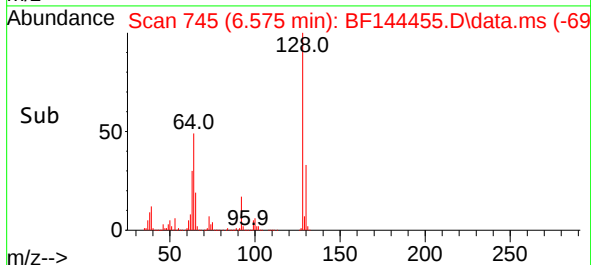
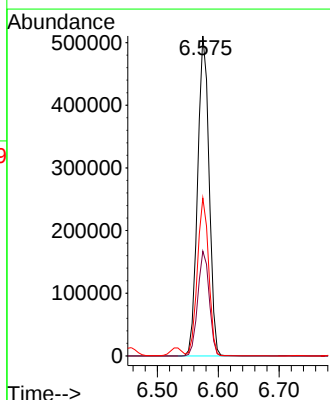
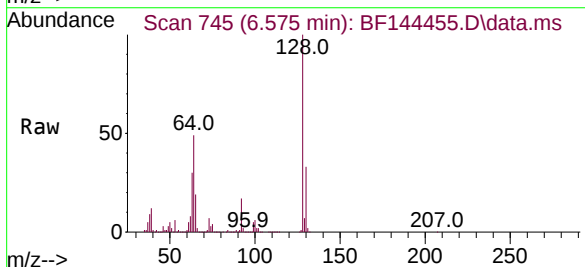
Instrument :  
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ClientSampleId :  
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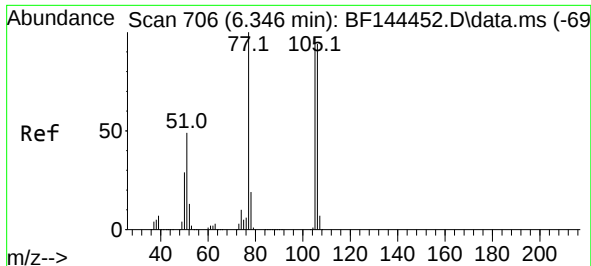
Tgt Ion: 99 Resp: 2035102  
Ion Ratio Lower Upper  
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42 19.8 15.7 23.5  
71 33.1 26.4 39.6



#8  
2-Chlorophenol  
Concen: 43.480 ng  
RT: 6.575 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
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Tgt Ion: 128 Resp: 666942  
Ion Ratio Lower Upper  
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130 32.7 13.0 53.0  
64 49.3 28.9 68.9

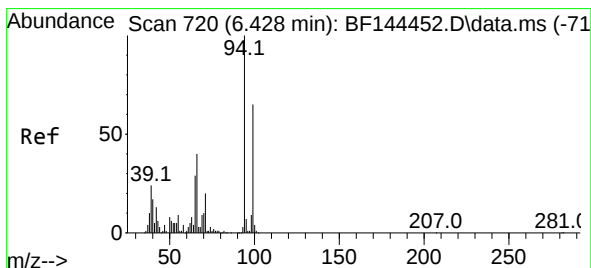
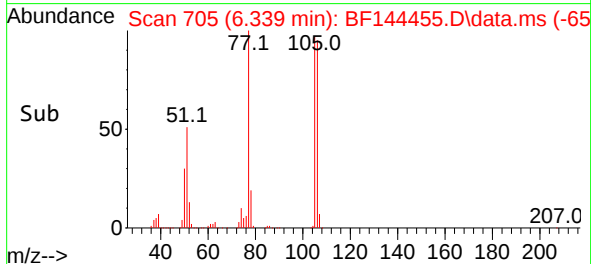
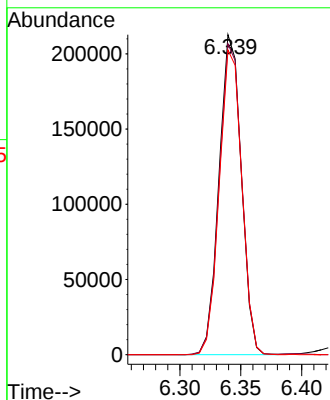
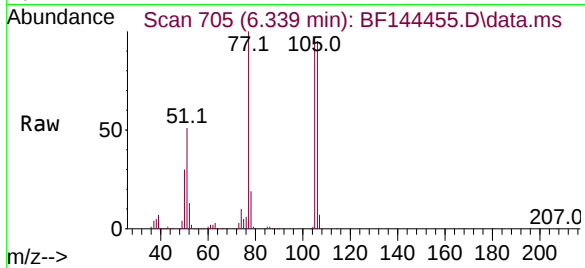




#9  
Benzaldehyde  
Concen: 19.324 ng  
RT: 6.339 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

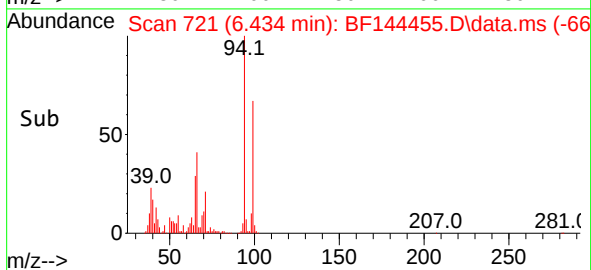
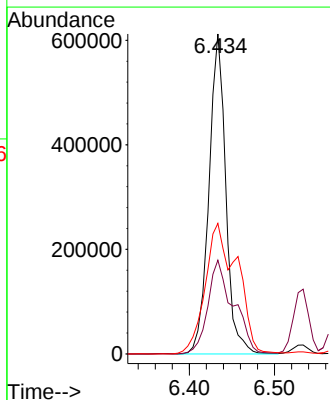
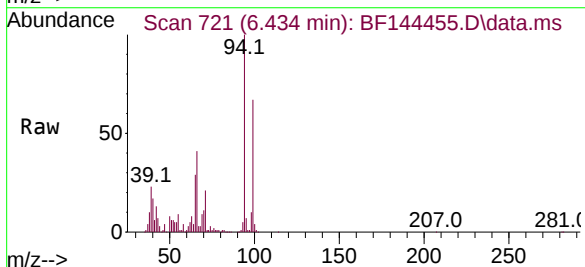
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

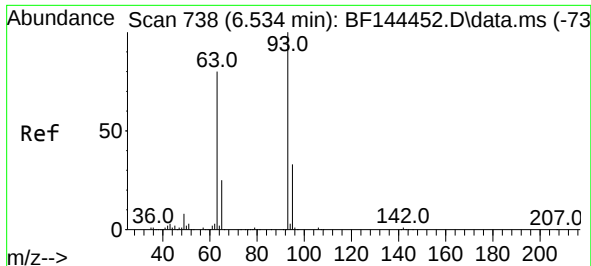
Tgt Ion: 77 Resp: 269969  
Ion Ratio Lower Upper  
77 100  
105 97.1 77.0 117.0  
106 95.2 74.1 114.1



#10  
Phenol  
Concen: 39.990 ng  
RT: 6.434 min Scan# 721  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion: 94 Resp: 842261  
Ion Ratio Lower Upper  
94 100  
65 29.3 9.1 49.1  
66 40.8 20.3 60.3

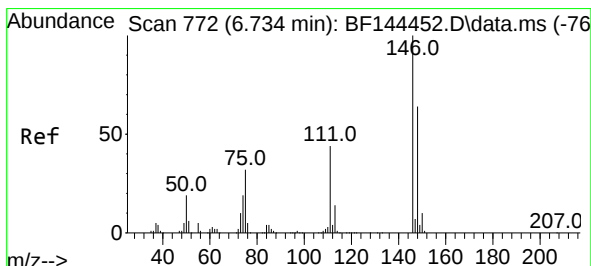
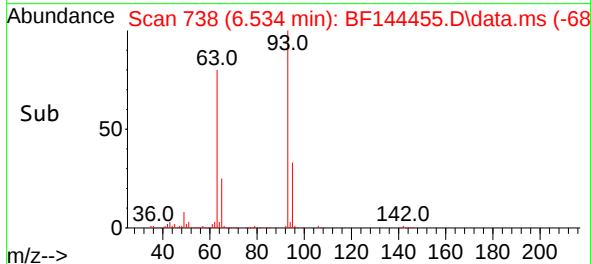
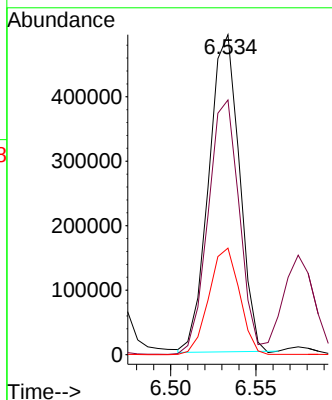
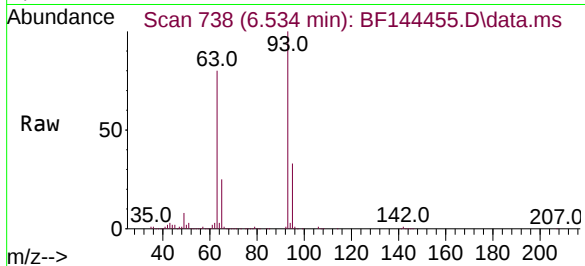




#11  
bis(2-Chloroethyl)ether  
Concen: 39.898 ng  
RT: 6.534 min Scan# 738  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

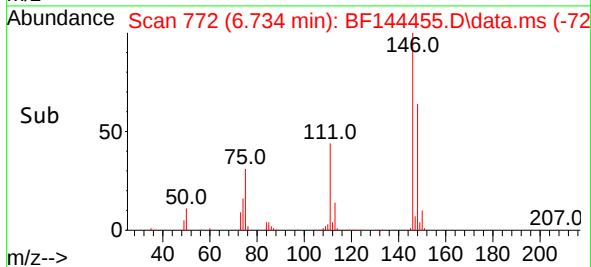
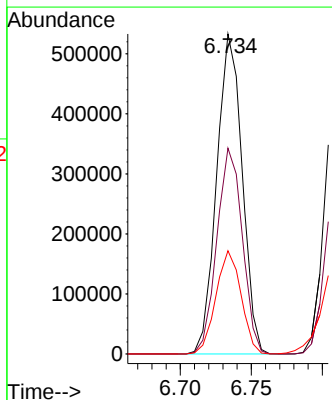
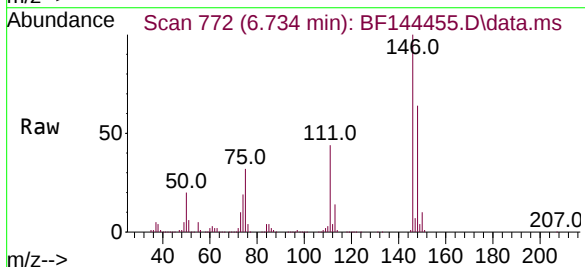
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

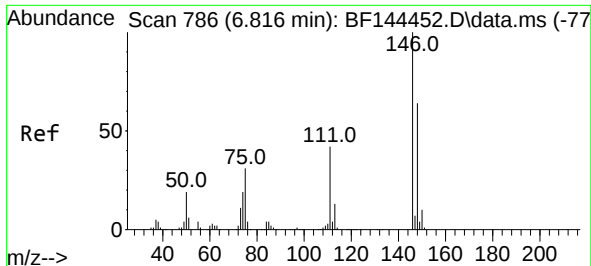
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 614221 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 79.6  | 59.8  | 99.8   |
| 95       | 33.3  | 13.0  | 53.0   |



#12  
1,3-Dichlorobenzene  
Concen: 40.137 ng  
RT: 6.734 min Scan# 772  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 665178 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 64.3  | 51.0  | 76.6   |
| 75       | 32.2  | 25.8  | 38.8   |

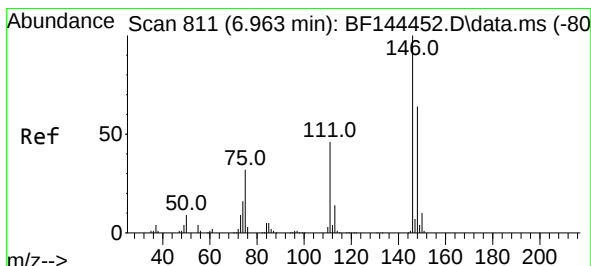
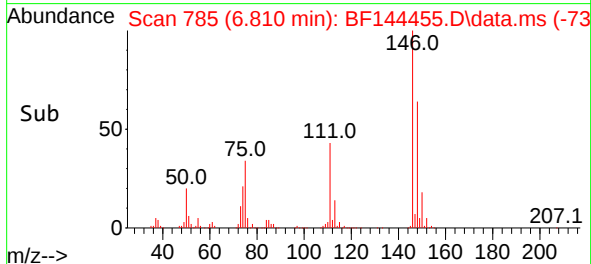
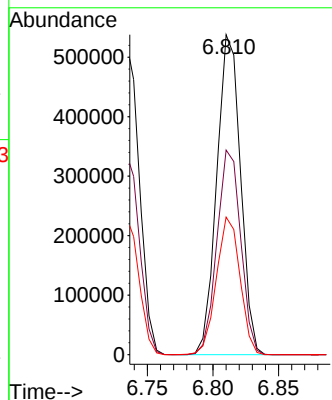
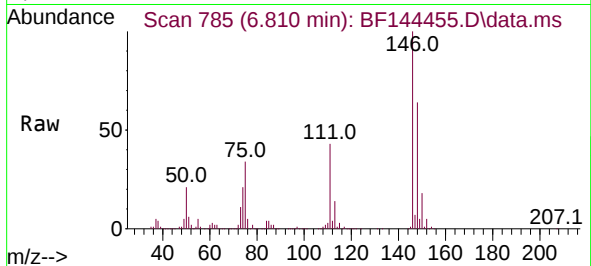




#13  
1,4-Dichlorobenzene  
Concen: 40.866 ng  
RT: 6.810 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

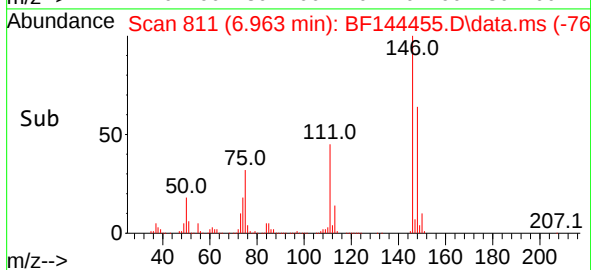
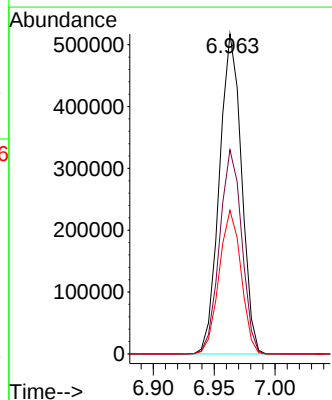
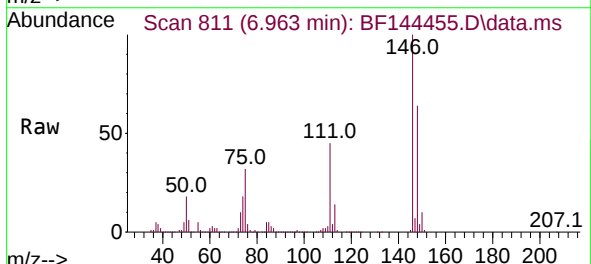
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

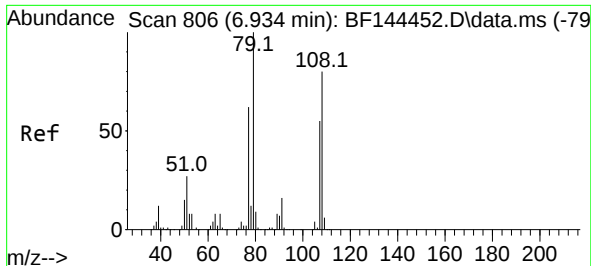
Tgt Ion:146 Resp: 679537  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.4 77.2  
111 43.0 33.8 50.8



#14  
1,2-Dichlorobenzene  
Concen: 41.448 ng  
RT: 6.963 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:146 Resp: 654519  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.4 77.2  
111 44.9 36.5 54.7

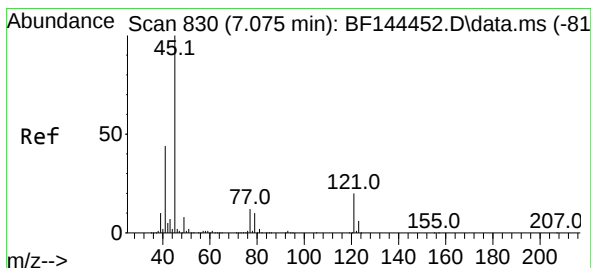
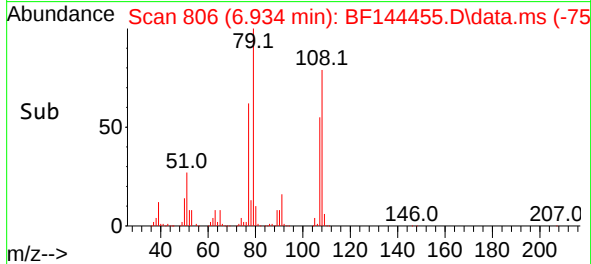
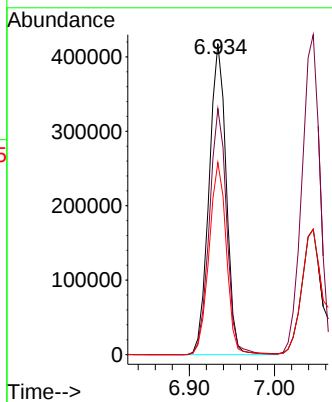
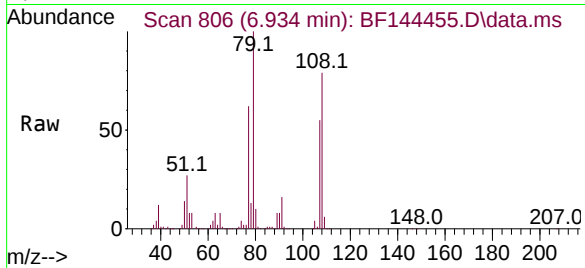




#15  
Benzyl Alcohol  
Concen: 44.545 ng  
RT: 6.934 min Scan# 806  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

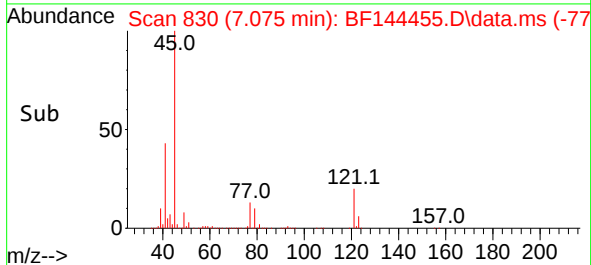
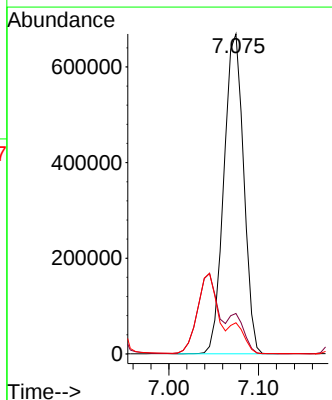
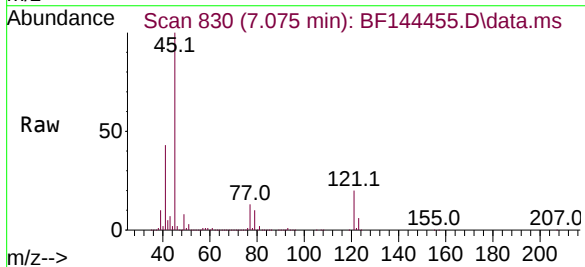
Instrument :  
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ClientSampleId :  
PB170916BS

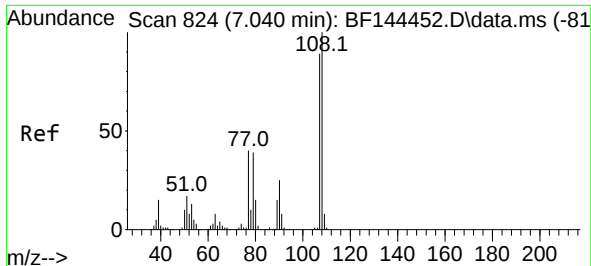
Tgt Ion: 79 Resp: 585914  
Ion Ratio Lower Upper  
79 100  
108 79.1 63.7 95.5  
77 61.8 49.3 73.9



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 39.540 ng  
RT: 7.075 min Scan# 830  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion: 45 Resp: 1027248  
Ion Ratio Lower Upper  
45 100  
77 12.6 0.0 32.6  
79 9.7 0.0 29.9

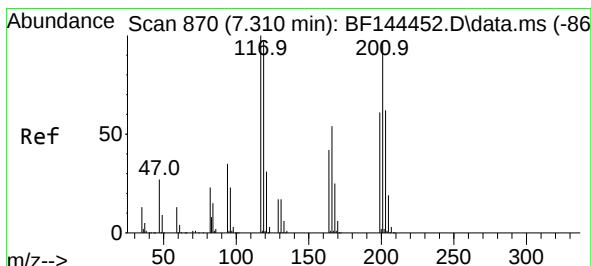
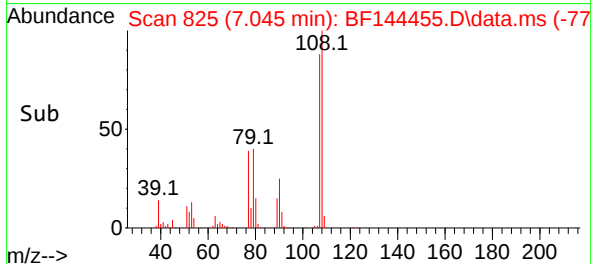
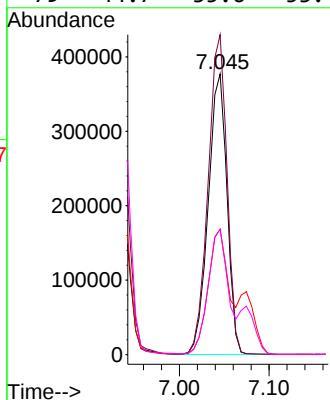
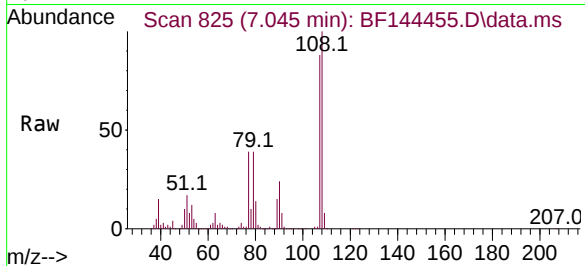




#17  
2-Methylphenol  
Concen: 42.658 ng  
RT: 7.045 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

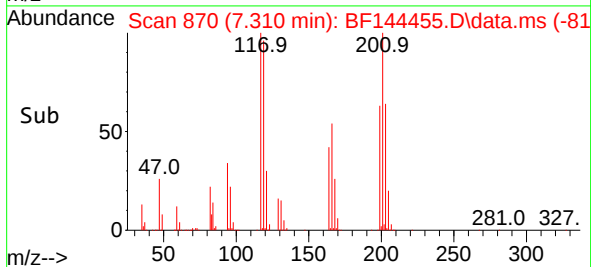
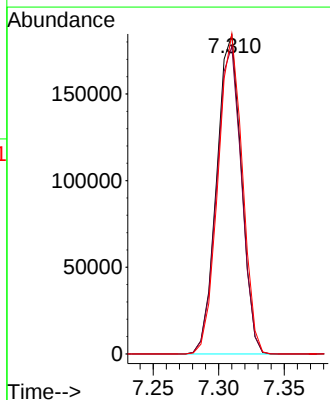
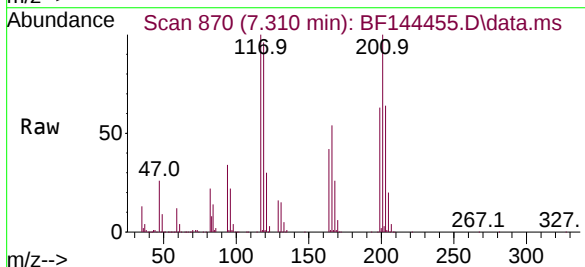
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

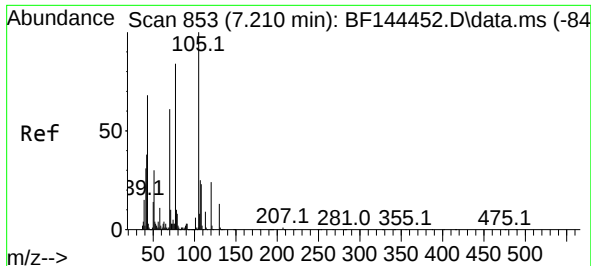
Tgt Ion:107 Resp: 551574  
Ion Ratio Lower Upper  
107 100  
108 114.0 89.9 134.9  
77 44.6 35.7 53.5  
79 44.7 35.6 53.4



#18  
Hexachloroethane  
Concen: 41.662 ng  
RT: 7.310 min Scan# 870  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:117 Resp: 240706  
Ion Ratio Lower Upper  
117 100  
119 96.4 77.5 116.3  
201 100.3 77.3 115.9

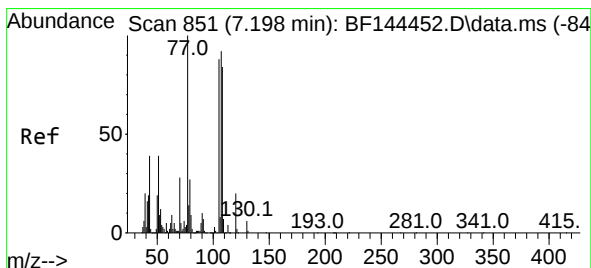
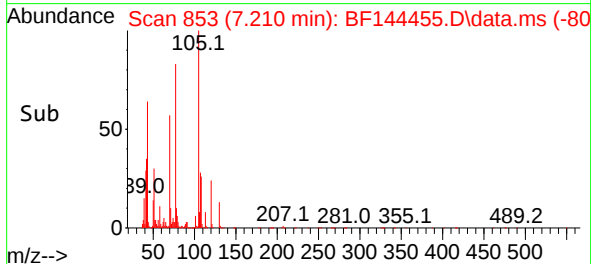
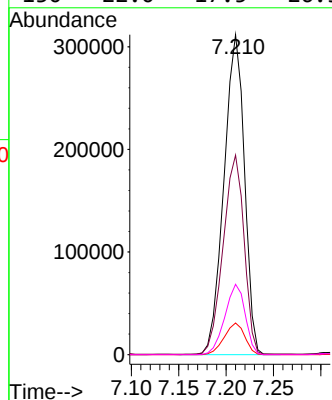
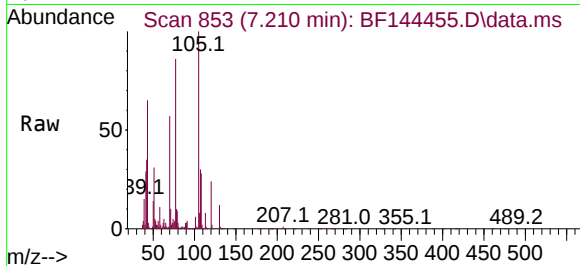




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.674 ng  
RT: 7.210 min Scan# 853  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

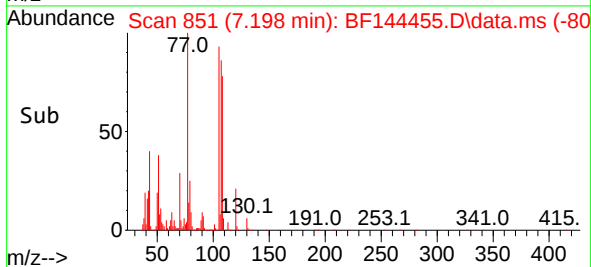
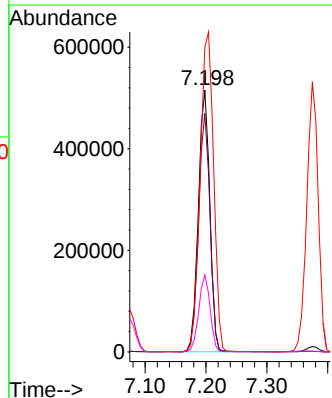
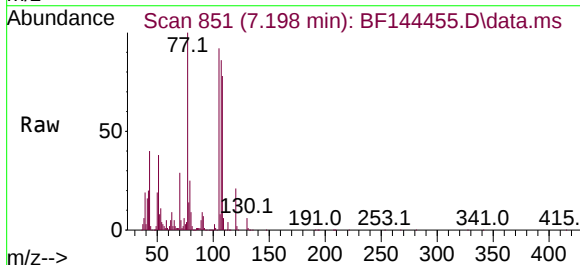
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BNA\_F  
ClientSampleId :  
PB170916BS

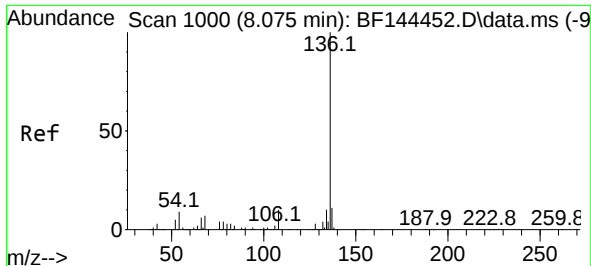
|             |              |
|-------------|--------------|
| Tgt Ion: 70 | Resp: 469767 |
| Ion Ratio   | Lower Upper  |
| 70 100      |              |
| 42 62.3     | 49.4 74.0    |
| 101 9.9     | 7.8 11.6     |
| 130 22.0    | 17.5 26.3    |



#20  
3+4-Methylphenols  
Concen: 42.408 ng  
RT: 7.198 min Scan# 851  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

|             |              |
|-------------|--------------|
| Tgt Ion:107 | Resp: 673738 |
| Ion Ratio   | Lower Upper  |
| 107 100     |              |
| 108 91.1    | 71.5 111.5   |
| 77 116.3    | 88.5 128.5   |
| 79 29.4     | 9.3 49.3     |

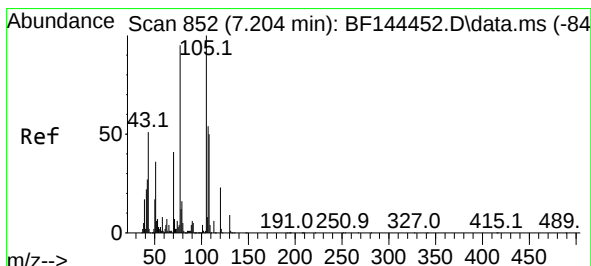
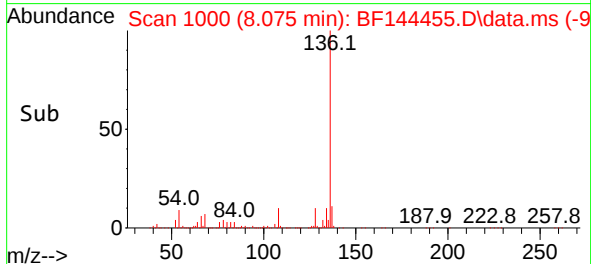
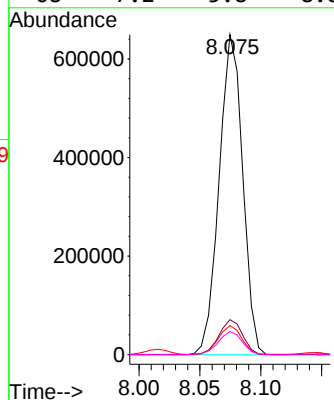
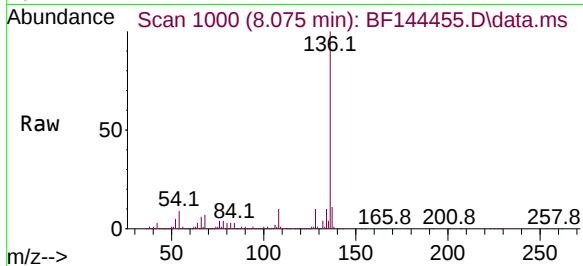




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

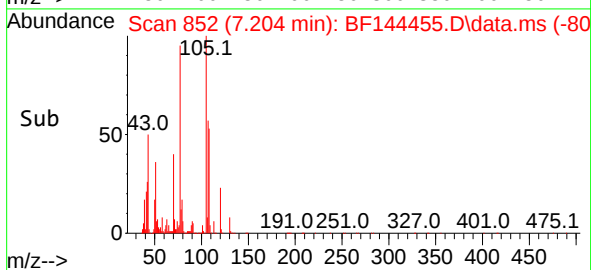
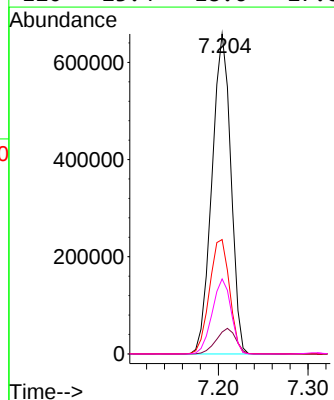
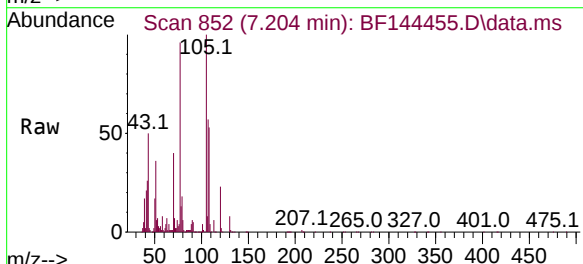
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

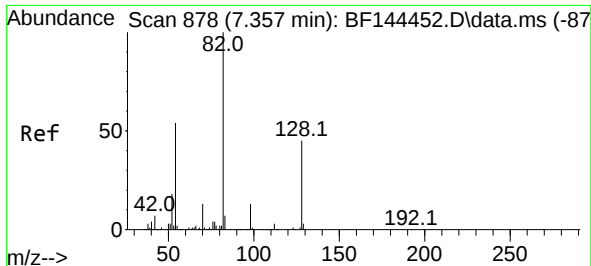
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 872395 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.0    | 8.8 13.2     |
| 54 9.1      | 7.5 11.3     |
| 68 7.2      | 5.8 8.8      |



#22  
Acetophenone  
Concen: 44.503 ng  
RT: 7.204 min Scan# 852  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

|             |              |
|-------------|--------------|
| Tgt Ion:105 | Resp: 963007 |
| Ion Ratio   | Lower Upper  |
| 105 100     |              |
| 71 6.8      | 5.6 8.4      |
| 51 35.7     | 28.6 42.8    |
| 120 23.4    | 18.6 27.8    |

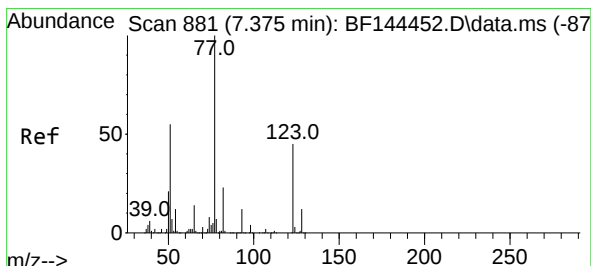
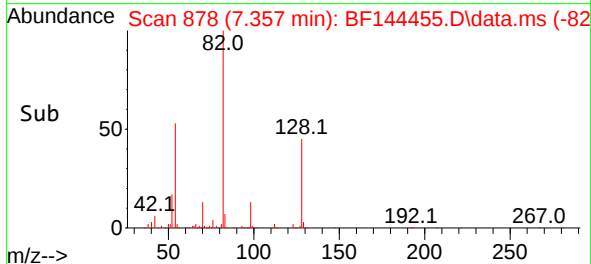
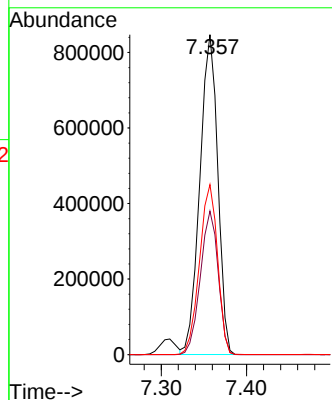
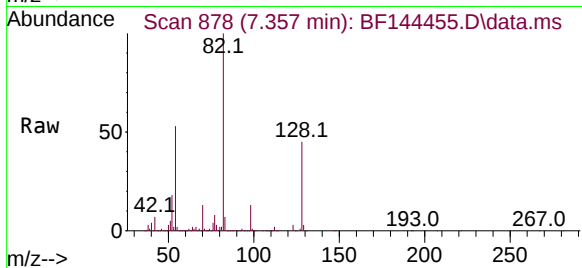




#23  
Nitrobenzene-d5  
Concen: 88.799 ng  
RT: 7.357 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

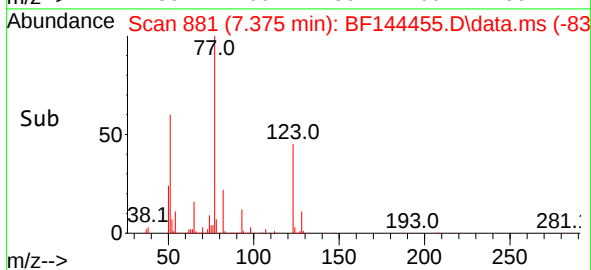
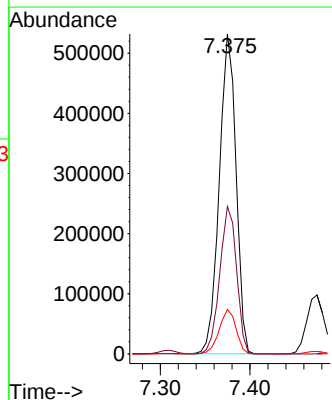
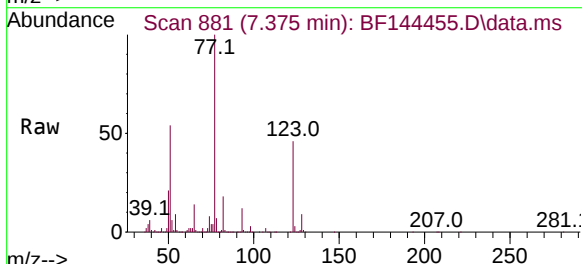
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

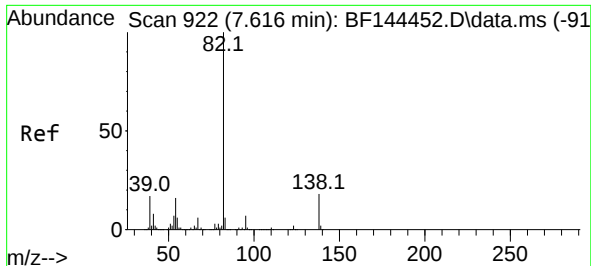
Tgt Ion: 82 Resp: 1237946  
Ion Ratio Lower Upper  
82 100  
128 44.8 35.5 53.3  
54 53.1 43.3 64.9



#24  
Nitrobenzene  
Concen: 45.696 ng  
RT: 7.375 min Scan# 881  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion: 77 Resp: 691086  
Ion Ratio Lower Upper  
77 100  
123 46.1 36.2 54.2  
65 13.9 11.0 16.6

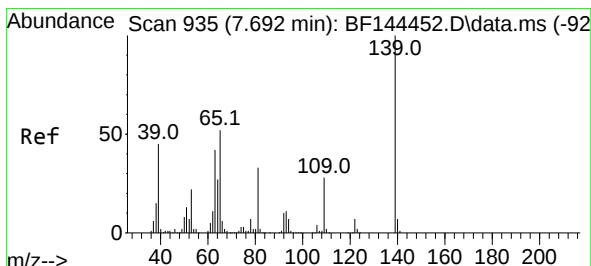
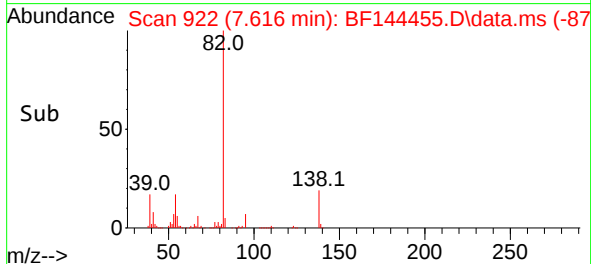
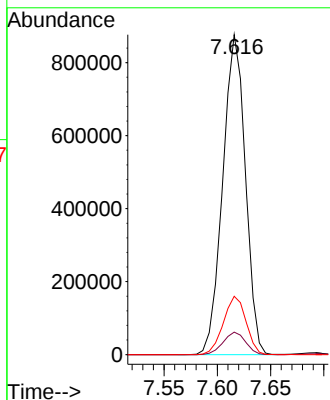
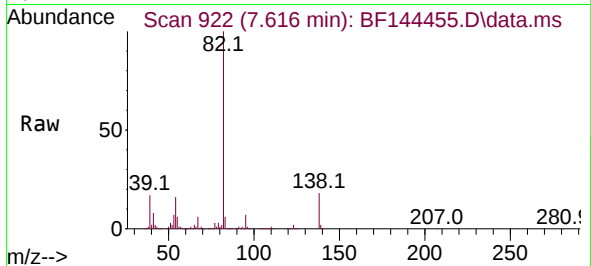




#25  
Isophorone  
Concen: 41.254 ng  
RT: 7.616 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

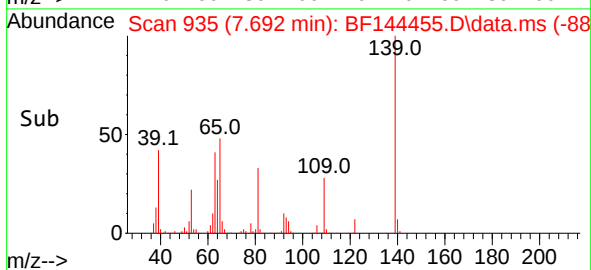
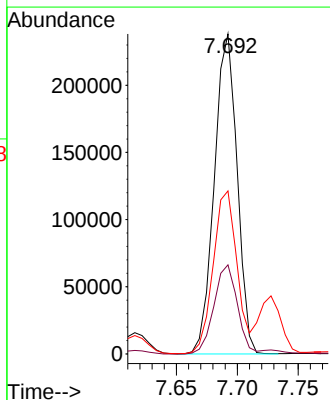
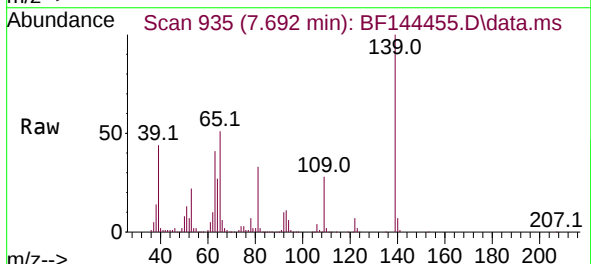
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

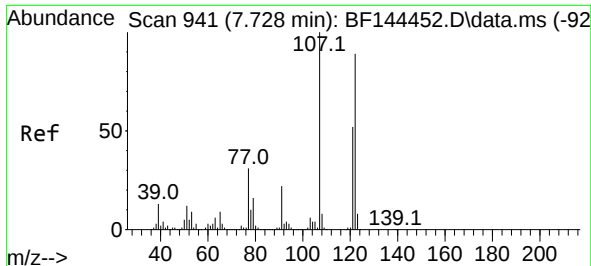
Tgt Ion: 82 Resp: 1297958  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.4 8.2  
138 18.2 14.4 21.6



#26  
2-Nitrophenol  
Concen: 47.263 ng  
RT: 7.692 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:139 Resp: 310542  
Ion Ratio Lower Upper  
139 100  
109 27.8 22.1 33.1  
65 50.9 41.5 62.3





#27

2,4-Dimethylphenol

Concen: 42.355 ng

RT: 7.728 min Scan# 941

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

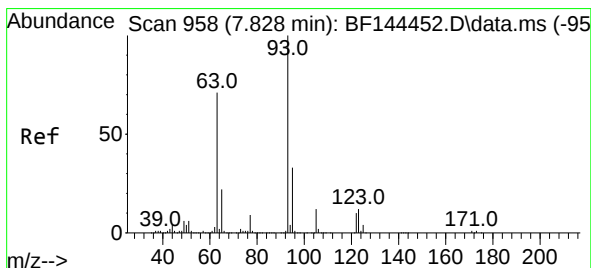
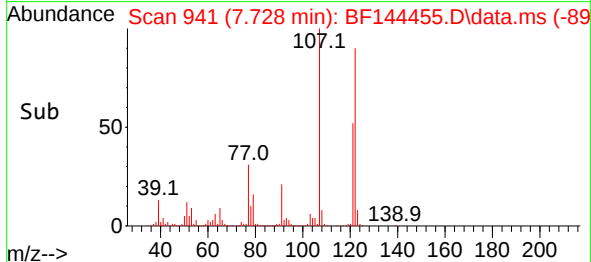
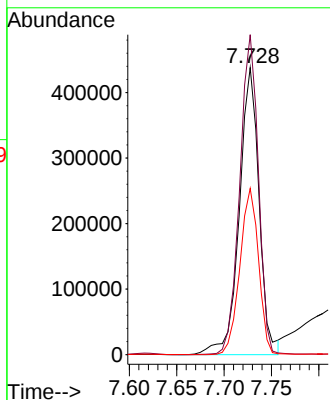
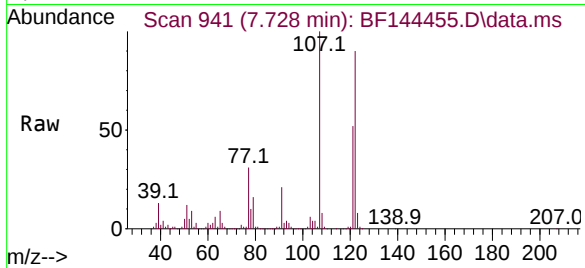
Tgt Ion:122 Resp: 635841

Ion Ratio Lower Upper

122 100

107 111.5 90.0 135.0

121 57.9 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 40.690 ng

RT: 7.828 min Scan# 958

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

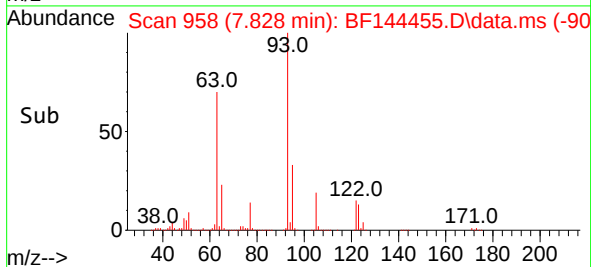
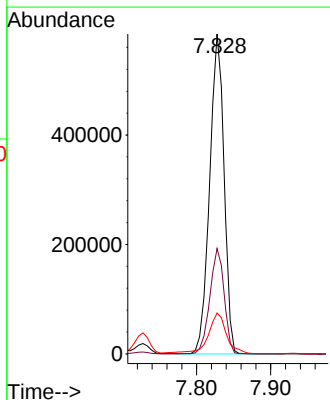
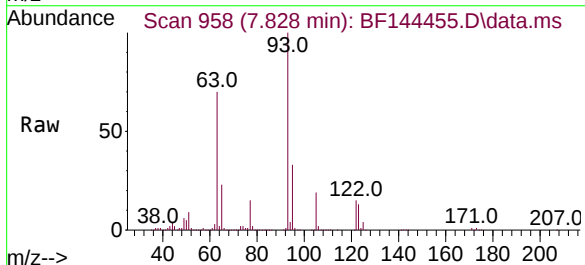
Tgt Ion: 93 Resp: 788856

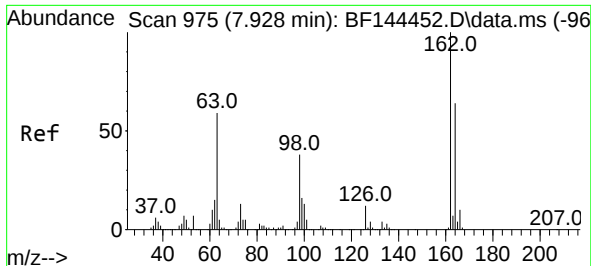
Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.2

123 12.8 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 43.907 ng

RT: 7.928 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

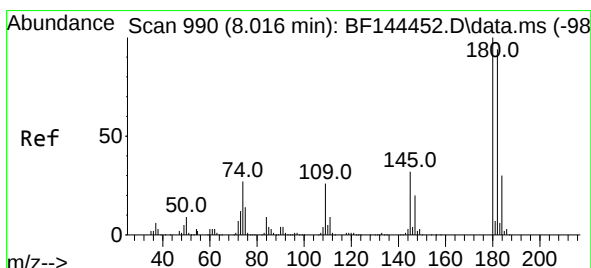
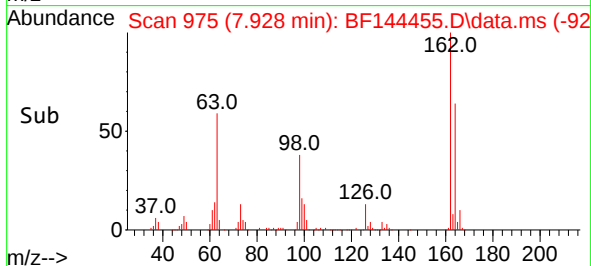
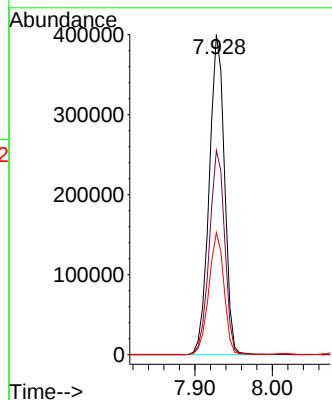
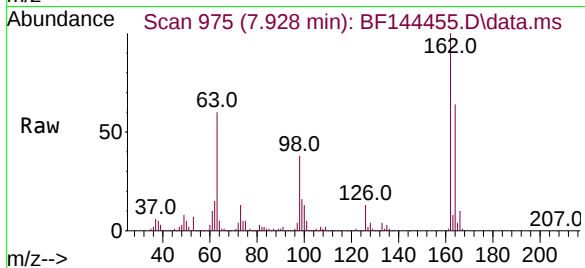
Tgt Ion:162 Resp: 547680

Ion Ratio Lower Upper

162 100

164 63.8 44.2 84.2

98 38.1 17.8 57.8



#30

1,2,4-Trichlorobenzene

Concen: 42.280 ng

RT: 8.016 min Scan# 990

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

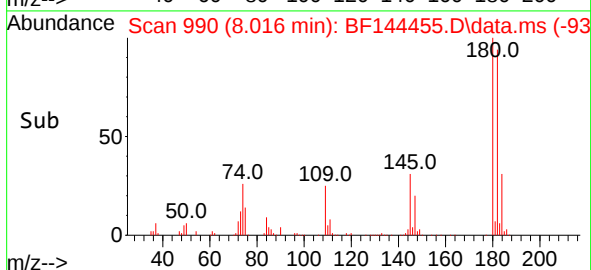
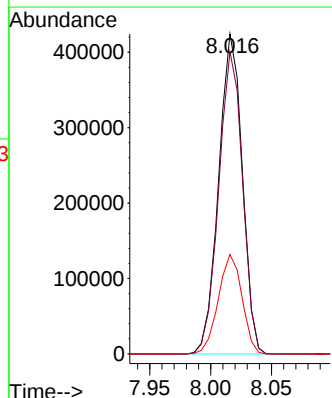
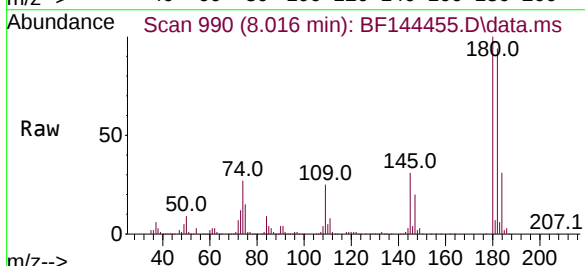
Tgt Ion:180 Resp: 572012

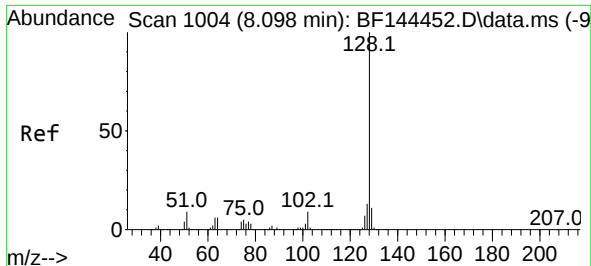
Ion Ratio Lower Upper

180 100

182 94.5 75.2 112.8

145 31.1 25.3 37.9

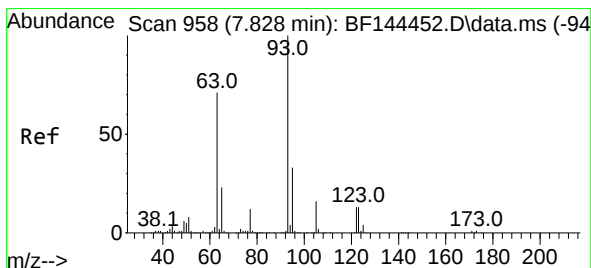
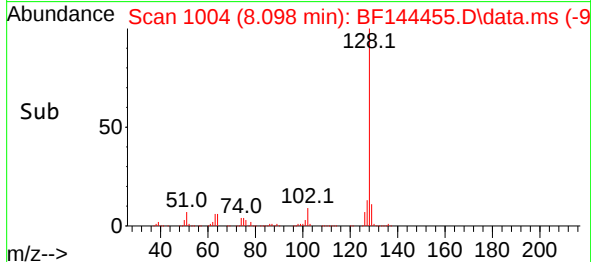
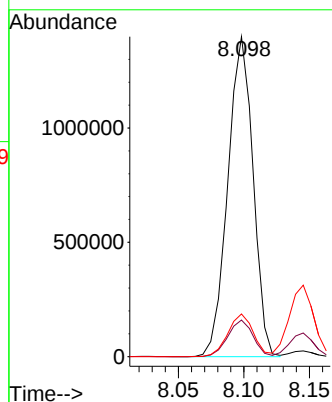
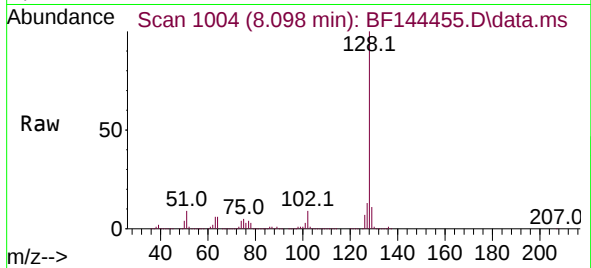




#31  
Naphthalene  
Concen: 39.860 ng  
RT: 8.098 min Scan# 10  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

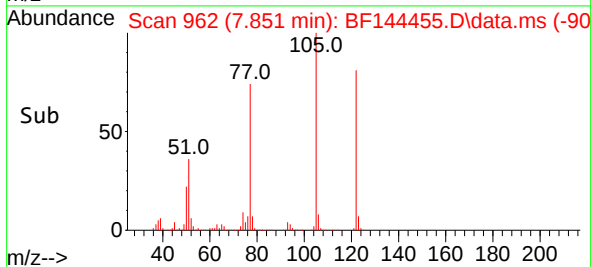
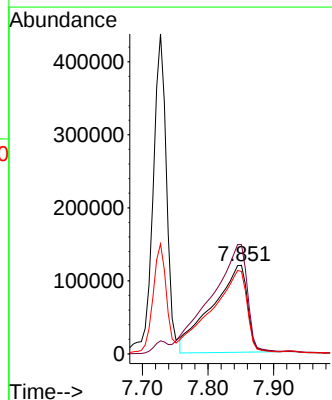
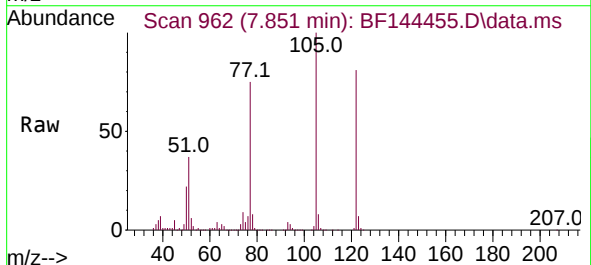
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

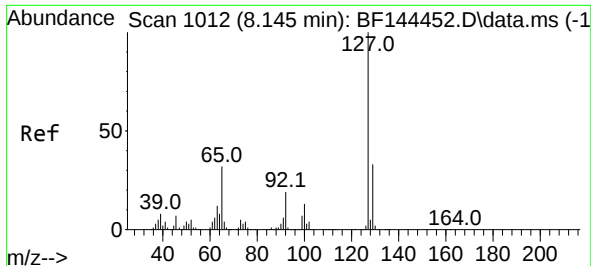
Tgt Ion:128 Resp: 1871516  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.3 10.6 16.0



#32  
Benzoic acid  
Concen: 49.005 ng  
RT: 7.851 min Scan# 962  
Delta R.T. 0.023 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:122 Resp: 447123  
Ion Ratio Lower Upper  
122 100  
105 123.4 103.2 143.2  
77 93.1 75.1 115.1

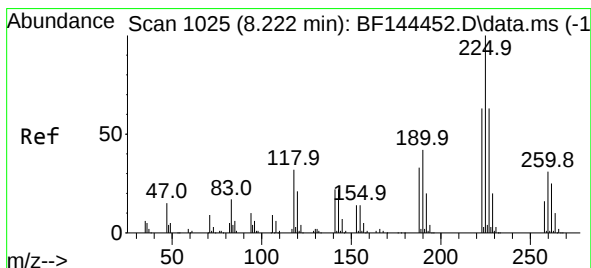
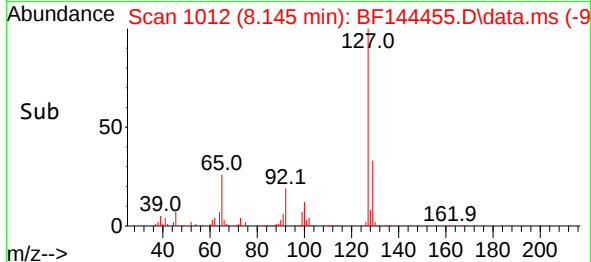
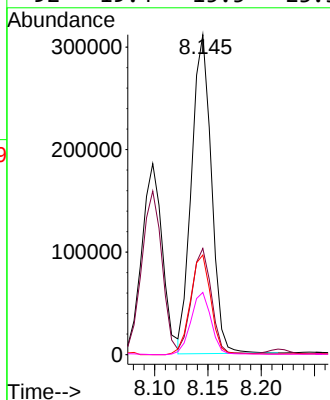
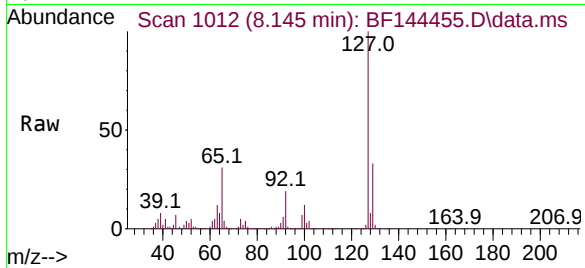




#33  
4-Chloroaniline  
Concen: 21.336 ng  
RT: 8.145 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

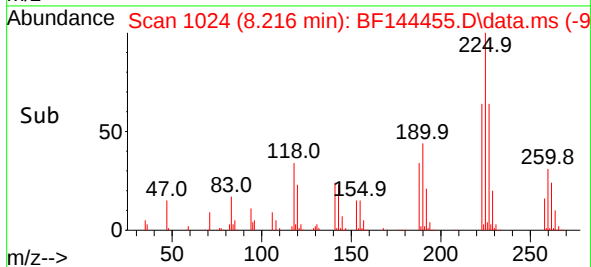
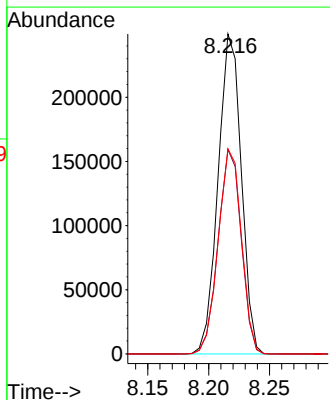
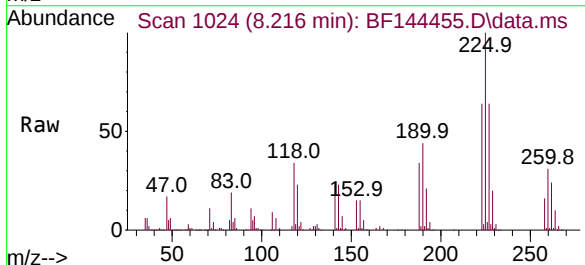
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

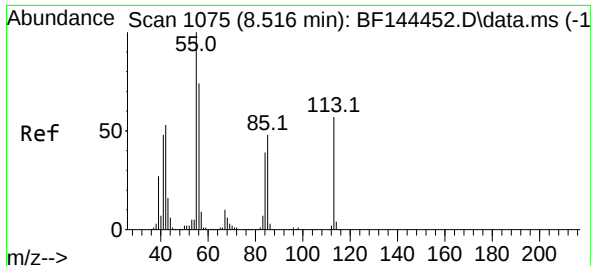
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:127 | Resp: | 402673 |
| Ion | Ratio   | Lower | Upper  |
| 127 | 100     |       |        |
| 129 | 33.2    | 26.2  | 39.4   |
| 65  | 31.1    | 25.8  | 38.8   |
| 92  | 19.4    | 15.5  | 23.3   |



#34  
Hexachlorobutadiene  
Concen: 39.542 ng  
RT: 8.216 min Scan# 1024  
Delta R.T. -0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 330777 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 63.9    | 50.1  | 75.1   |
| 227 | 64.1    | 50.3  | 75.5   |

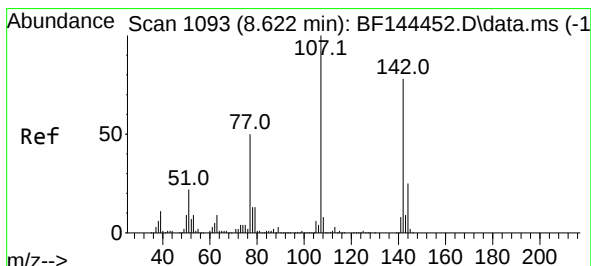
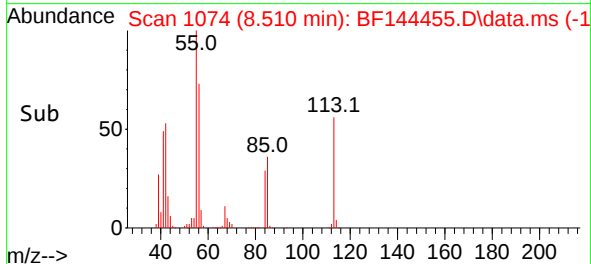
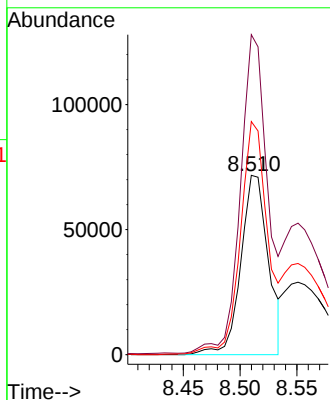
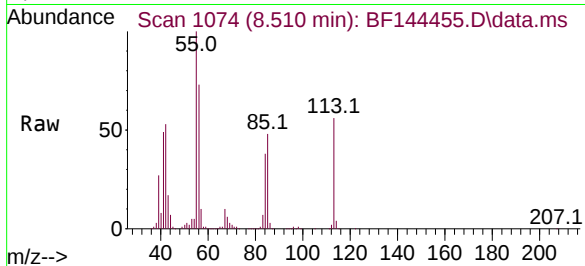




#35  
 Caprolactam  
 Concen: 29.213 ng  
 RT: 8.510 min Scan# 1075  
 Delta R.T. -0.006 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

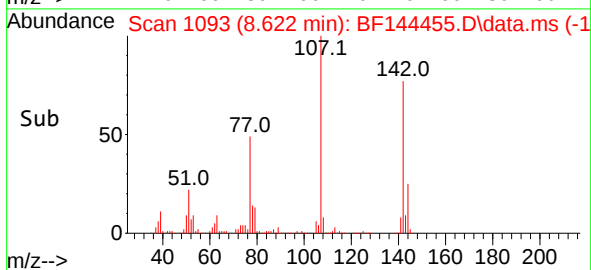
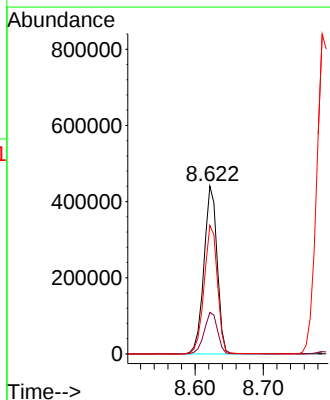
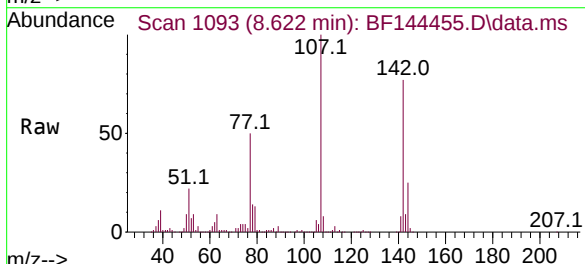
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170916BS

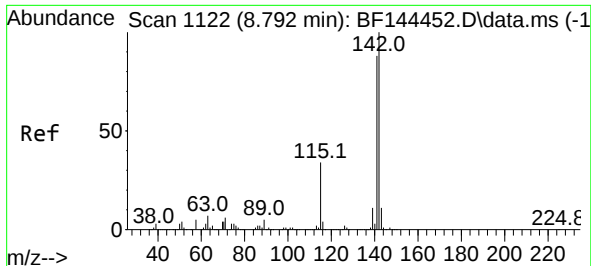
Tgt Ion:113 Resp: 120332  
 Ion Ratio Lower Upper  
 113 100  
 55 178.5 154.5 194.5  
 56 130.0 109.8 149.8



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.886 ng  
 RT: 8.622 min Scan# 1093  
 Delta R.T. -0.000 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

Tgt Ion:107 Resp: 594256  
 Ion Ratio Lower Upper  
 107 100  
 144 24.8 20.4 30.6  
 142 76.5 62.4 93.6





#37

2-Methylnaphthalene

Concen: 37.157 ng

RT: 8.786 min Scan# 1122

Delta R.T. -0.006 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

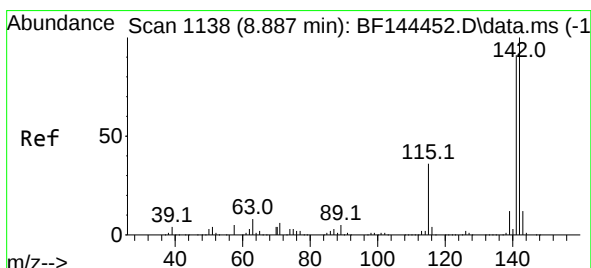
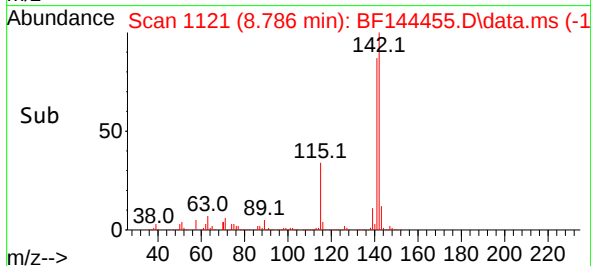
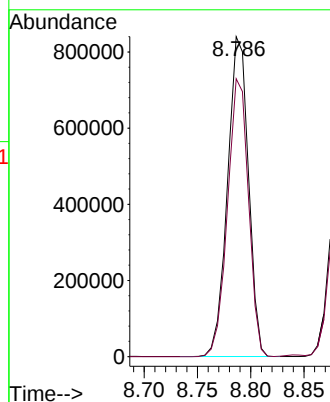
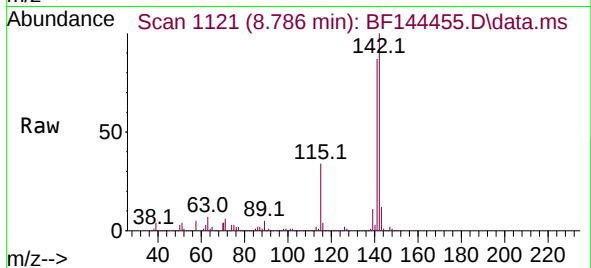
PB170916BS

Tgt Ion:142 Resp: 1147837

Ion Ratio Lower Upper

142 100

141 86.8 70.0 105.0



#38

1-Methylnaphthalene

Concen: 39.023 ng

RT: 8.886 min Scan# 1138

Delta R.T. -0.000 min

Lab File: BF144455.D

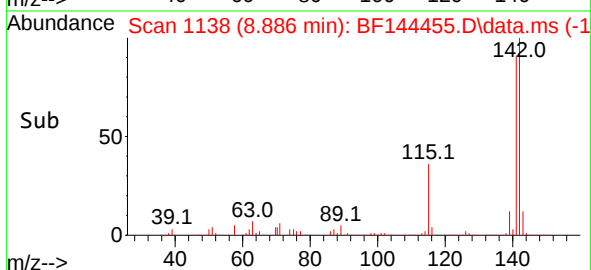
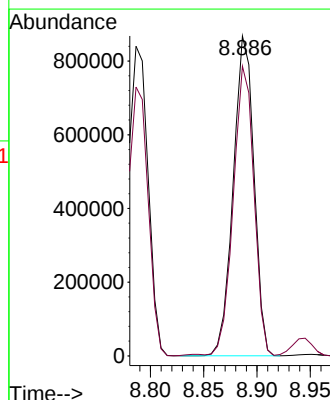
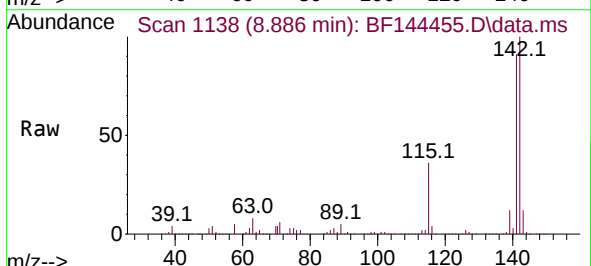
Acq: 12 Dec 2025 17:36

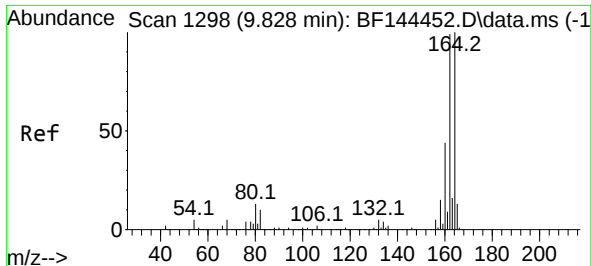
Tgt Ion:142 Resp: 1173817

Ion Ratio Lower Upper

142 100

141 90.5 72.6 109.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 11

Delta R.T. 0.005 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

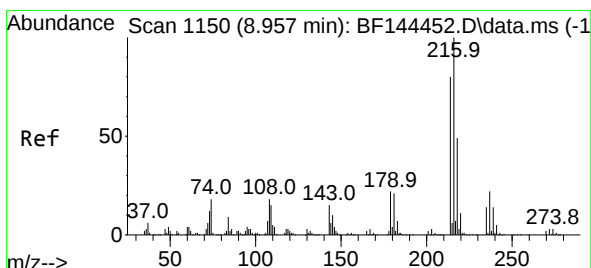
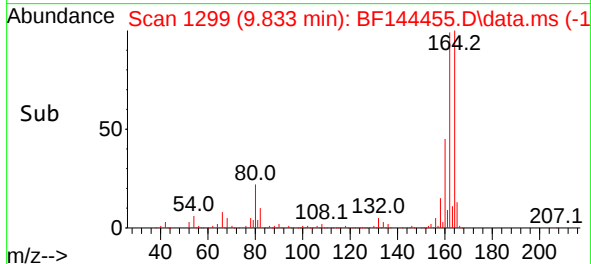
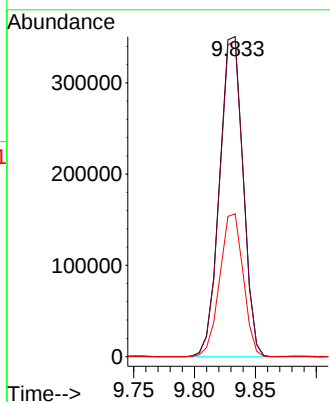
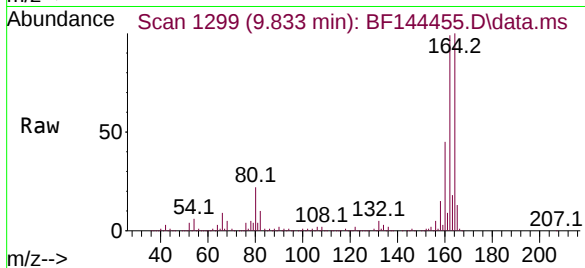
Tgt Ion:164 Resp: 471990

Ion Ratio Lower Upper

164 100

162 98.7 79.2 118.8

160 44.6 35.3 52.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.719 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Tgt Ion:216 Resp: 600704

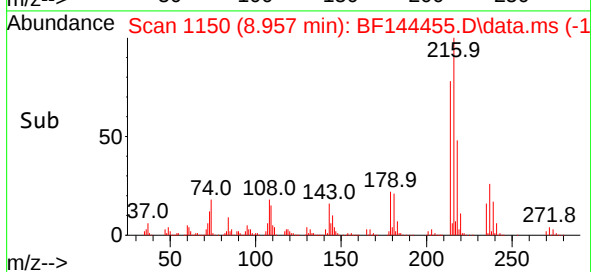
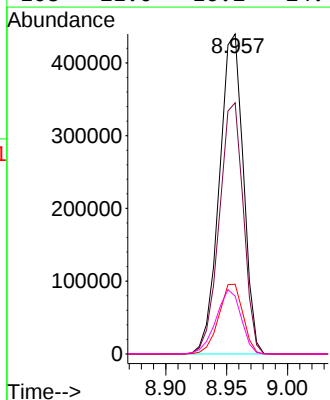
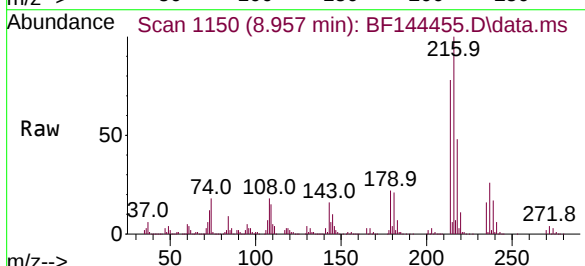
Ion Ratio Lower Upper

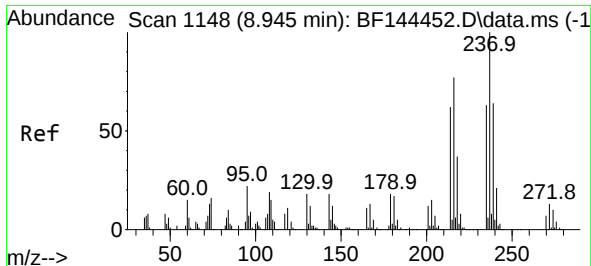
216 100

214 78.5 63.8 95.6

179 21.9 17.7 26.5

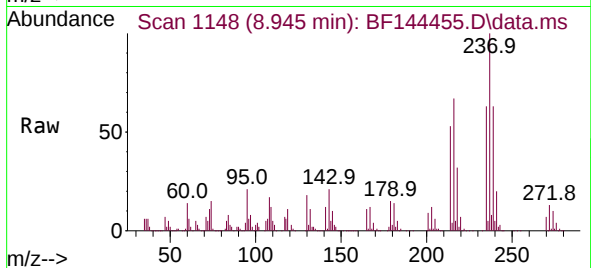
108 21.0 16.2 24.4



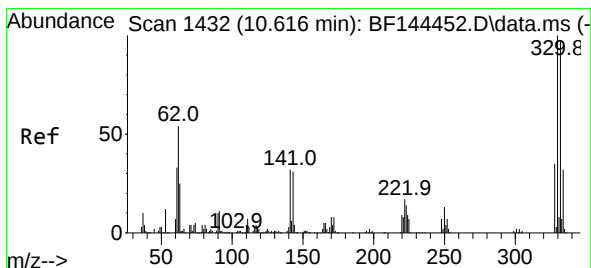
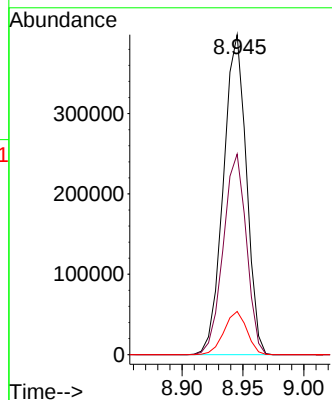
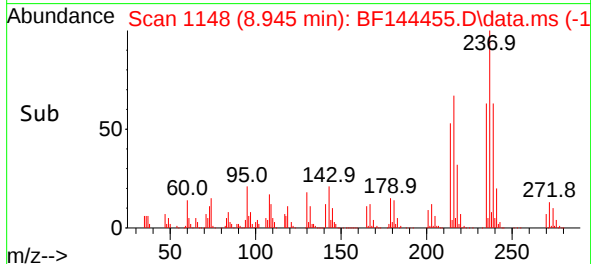


#41  
Hexachlorocyclopentadiene  
Concen: 65.780 ng  
RT: 8.945 min Scan# 1148  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

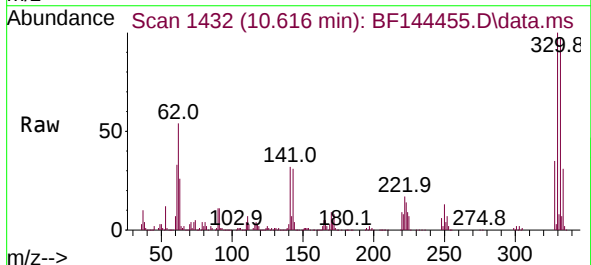
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS



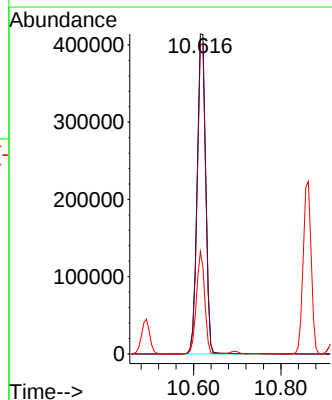
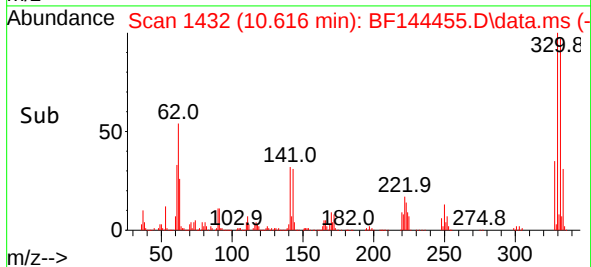
Tgt Ion:237 Resp: 522945  
Ion Ratio Lower Upper  
237 100  
235 62.7 43.2 83.2  
272 13.5 0.0 33.2

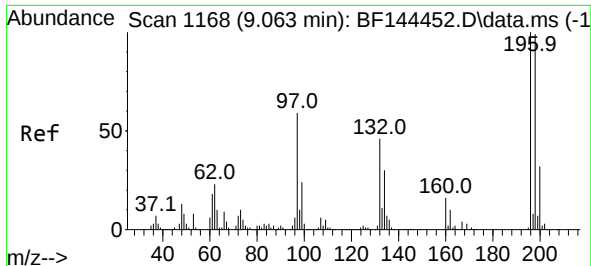


#42  
2,4,6-Tribromophenol  
Concen: 131.658 ng  
RT: 10.616 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36



Tgt Ion:330 Resp: 561817  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.5 116.3  
141 30.8 26.2 39.2

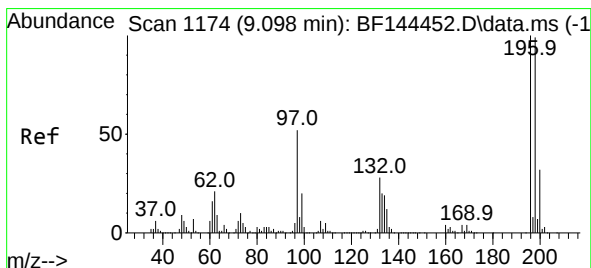
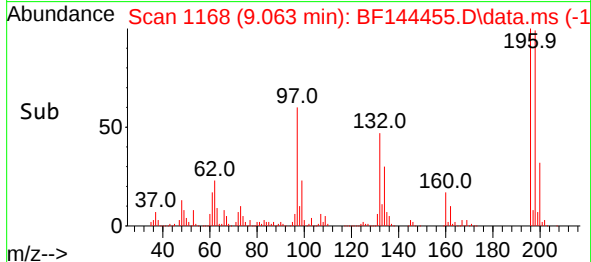
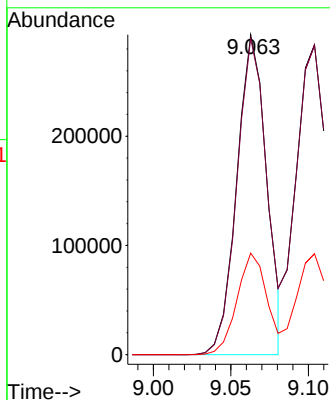
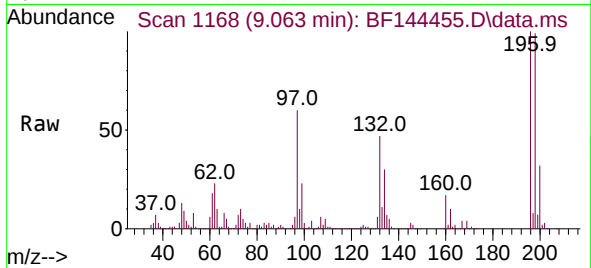




#43  
2,4,6-Trichlorophenol  
Concen: 46.067 ng  
RT: 9.063 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

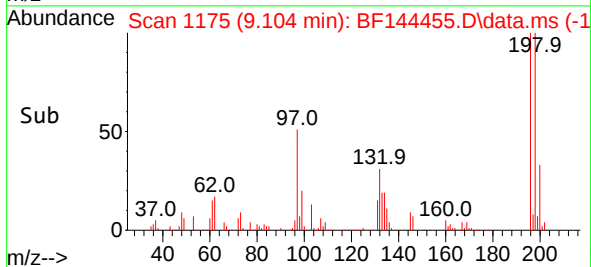
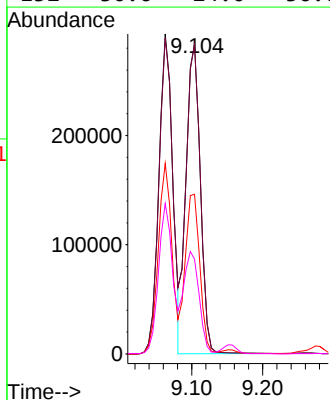
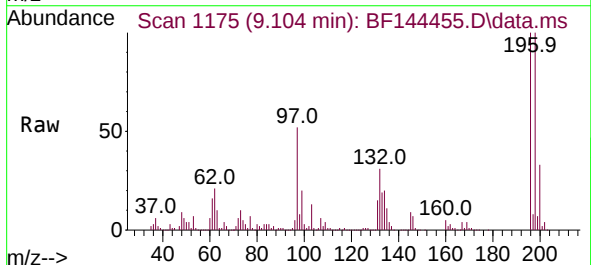
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

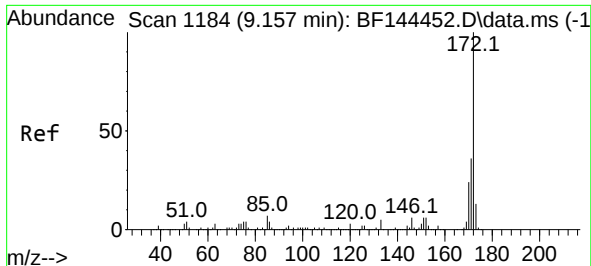
Tgt Ion:196 Resp: 392967  
Ion Ratio Lower Upper  
196 100  
198 98.8 79.0 118.4  
200 31.7 25.3 37.9



#44  
2,4,5-Trichlorophenol  
Concen: 44.464 ng  
RT: 9.104 min Scan# 1175  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:196 Resp: 398091  
Ion Ratio Lower Upper  
196 100  
198 99.8 79.5 119.3  
97 51.5 42.2 63.2  
132 30.6 24.0 36.0

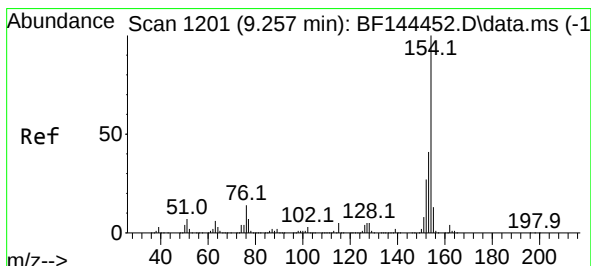
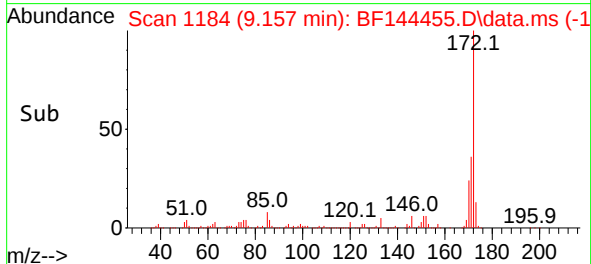
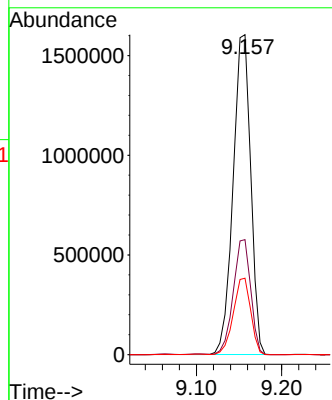
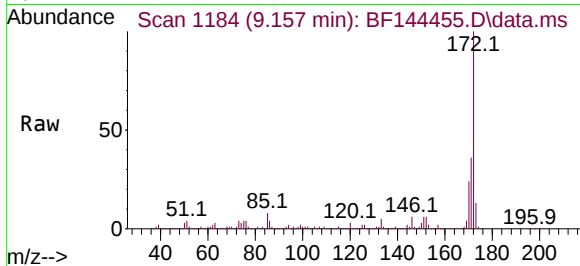




#45  
2-Fluorobiphenyl  
Concen: 74.787 ng  
RT: 9.157 min Scan# 1184  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

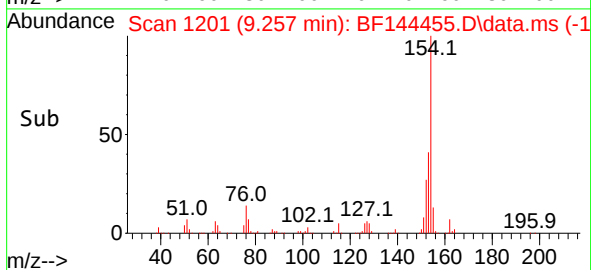
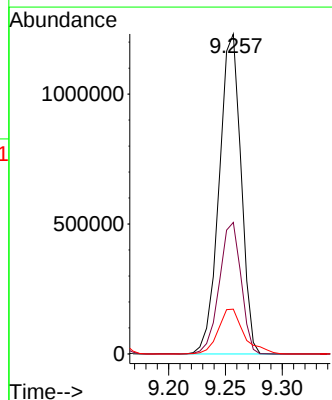
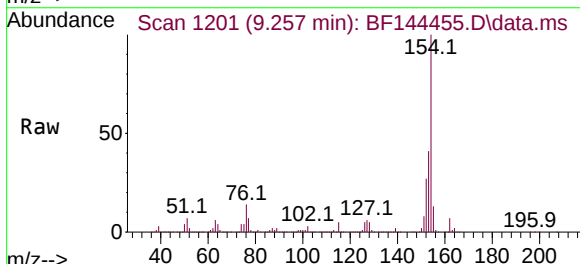
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

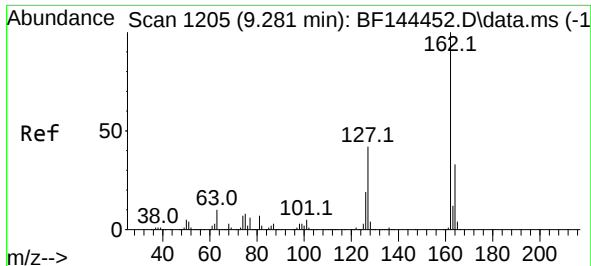
Tgt Ion:172 Resp: 2300964  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.7 43.1  
170 23.9 19.3 28.9



#46  
1,1'-Biphenyl  
Concen: 44.511 ng  
RT: 9.257 min Scan# 1201  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:154 Resp: 1641813  
Ion Ratio Lower Upper  
154 100  
153 41.1 21.0 61.0  
76 14.0 0.0 33.8





#47

2-Chloronaphthalene

Concen: 40.224 ng

RT: 9.280 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

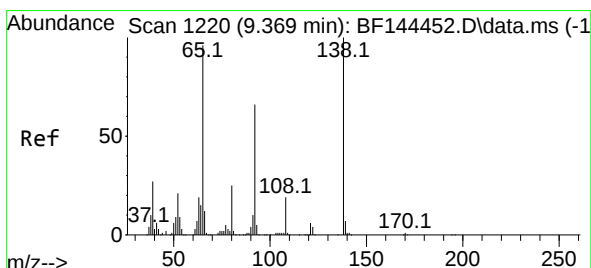
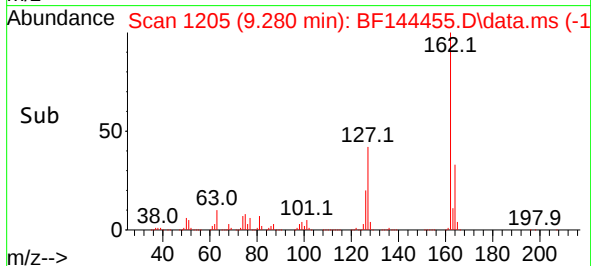
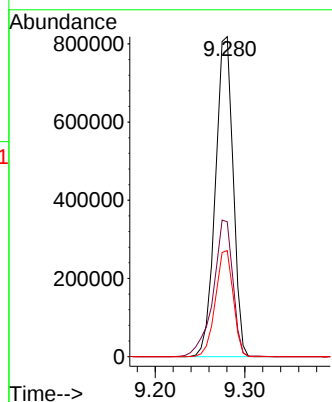
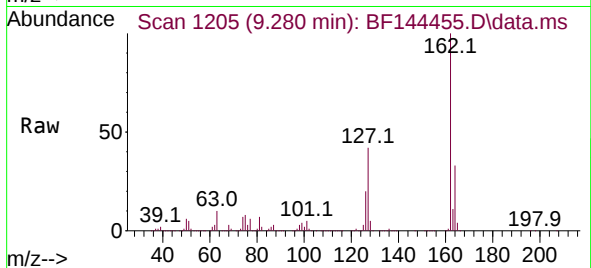
Tgt Ion:162 Resp: 1132649

Ion Ratio Lower Upper

162 100

127 42.1 33.6 50.4

164 33.1 26.6 39.8



#48

2-Nitroaniline

Concen: 45.468 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

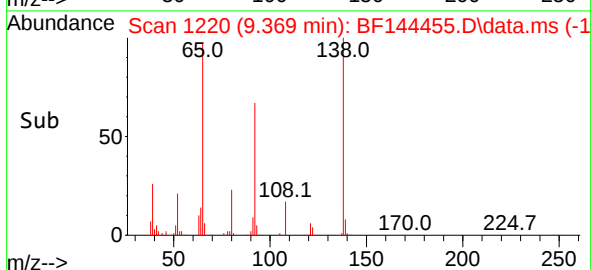
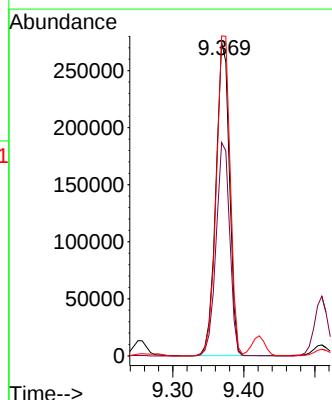
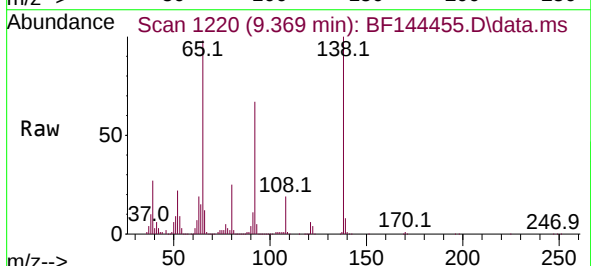
Tgt Ion: 65 Resp: 365559

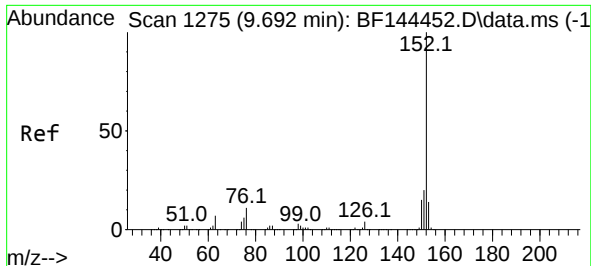
Ion Ratio Lower Upper

65 100

92 68.0 55.0 82.4

138 102.0 83.4 125.2

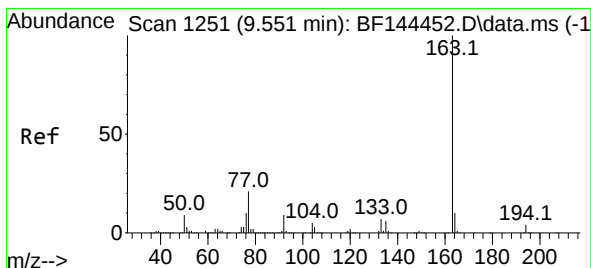
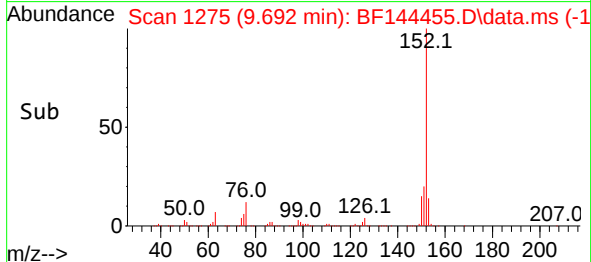
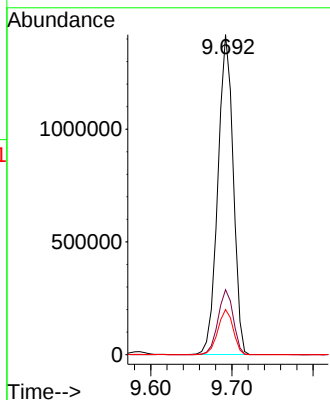
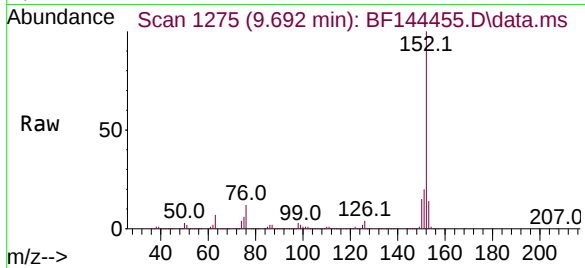




#49  
Acenaphthylene  
Concen: 41.601 ng  
RT: 9.692 min Scan# 1275  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

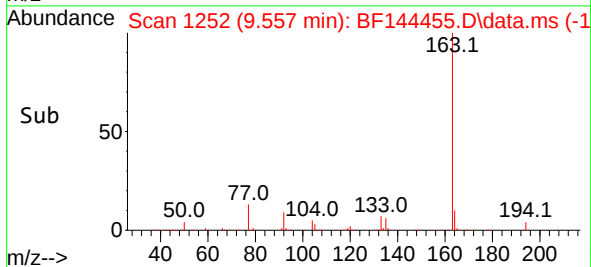
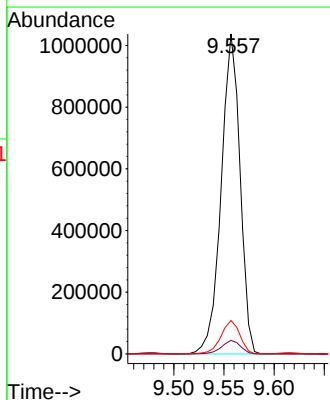
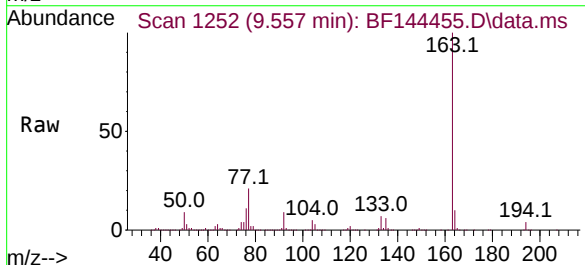
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

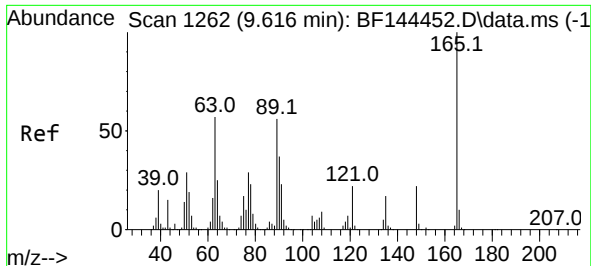
Tgt Ion:152 Resp: 1855946  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.2 24.2  
153 14.1 11.4 17.0



#50  
Dimethylphthalate  
Concen: 42.583 ng  
RT: 9.557 min Scan# 1252  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:163 Resp: 1357617  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.3 4.9  
164 10.5 8.3 12.5

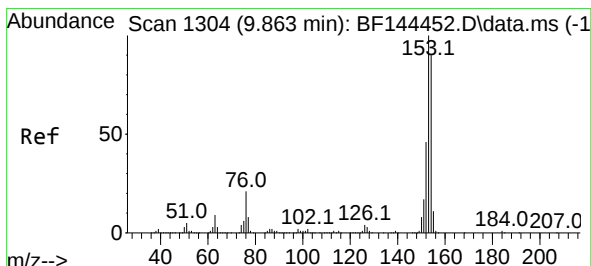
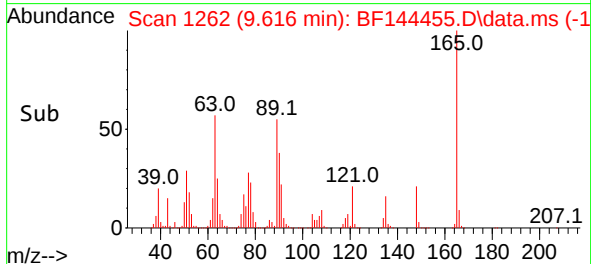
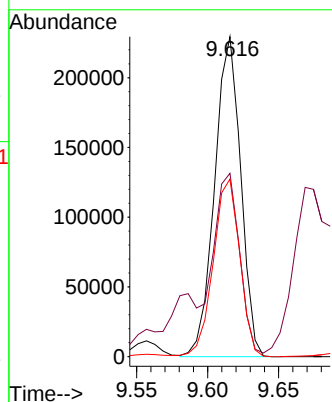
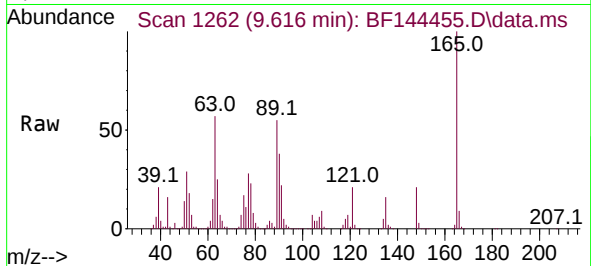




#51  
2,6-Dinitrotoluene  
Concen: 49.992 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

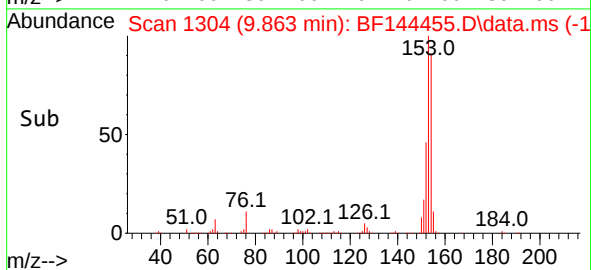
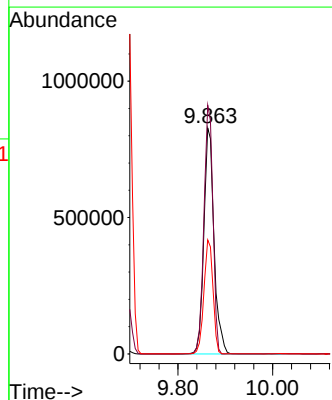
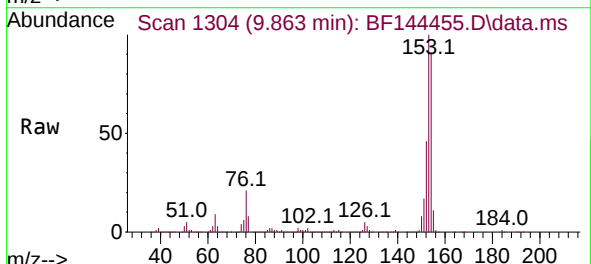
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

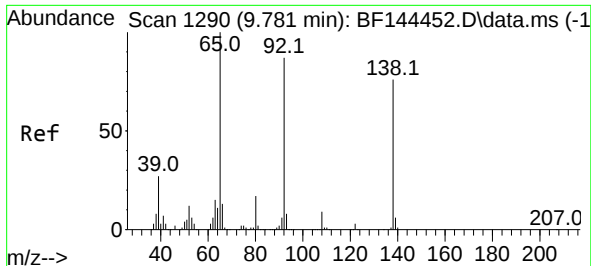
Tgt Ion:165 Resp: 293110  
Ion Ratio Lower Upper  
165 100  
63 57.3 45.9 68.9  
89 55.5 44.6 67.0



#52  
Acenaphthene  
Concen: 44.279 ng  
RT: 9.863 min Scan# 1304  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:154 Resp: 1231676  
Ion Ratio Lower Upper  
154 100  
153 110.1 88.6 132.8  
152 50.5 40.6 61.0

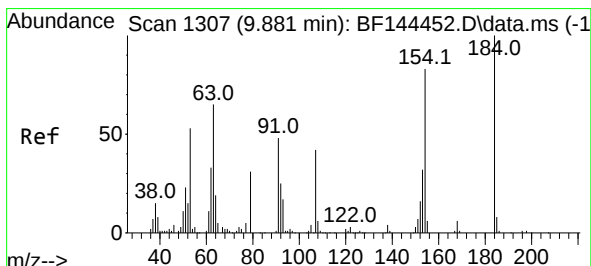
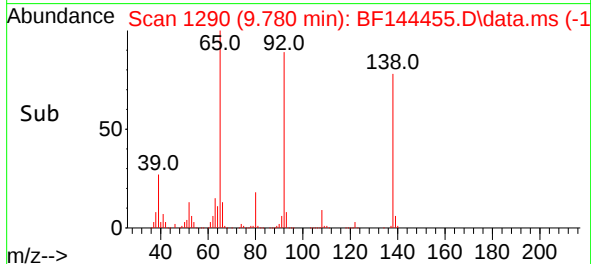
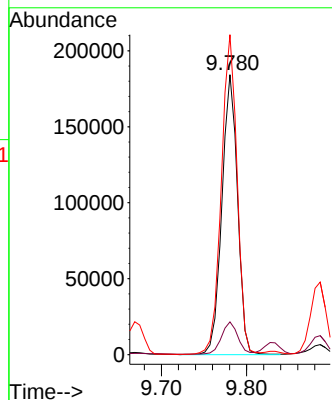
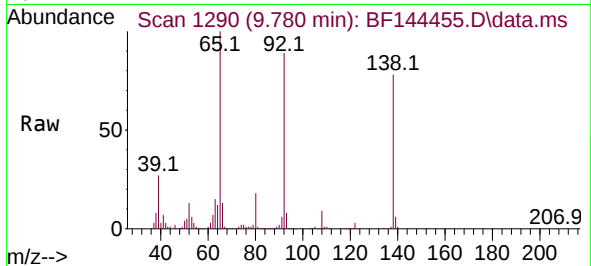




#53  
3-Nitroaniline  
Concen: 33.854 ng  
RT: 9.780 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

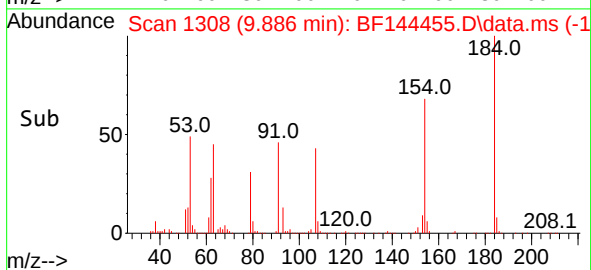
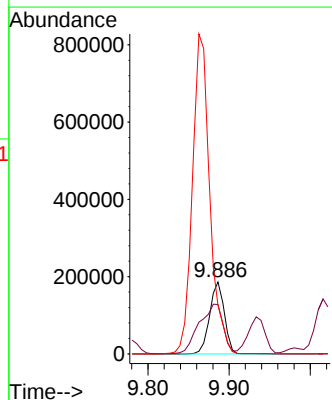
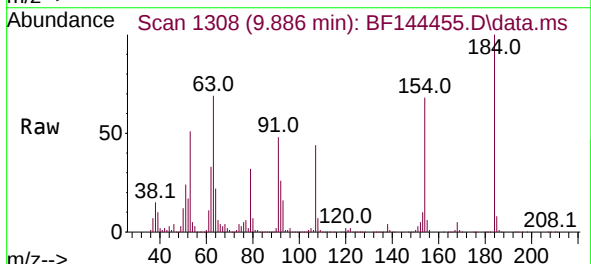
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ClientSampleId :  
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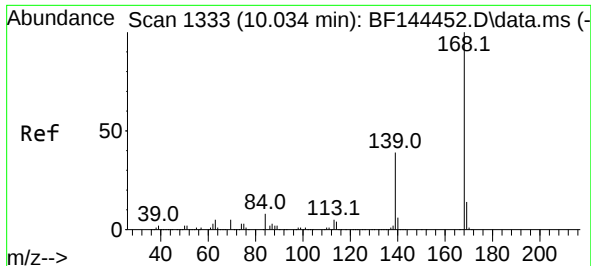
Tgt Ion:138 Resp: 235190  
Ion Ratio Lower Upper  
138 100  
108 11.7 9.7 14.5  
92 114.3 91.5 137.3



#54  
2,4-Dinitrophenol  
Concen: 84.851 ng  
RT: 9.886 min Scan# 1308  
Delta R.T. 0.005 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:184 Resp: 234268  
Ion Ratio Lower Upper  
184 100  
63 68.6 60.6 91.0  
154 67.9 137.8 206.8#

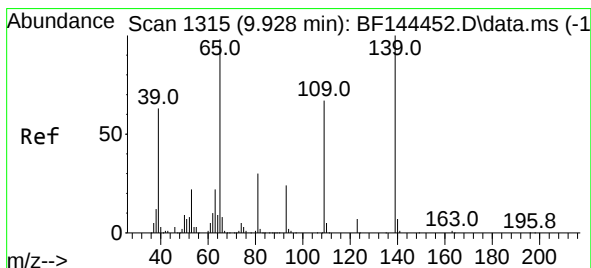
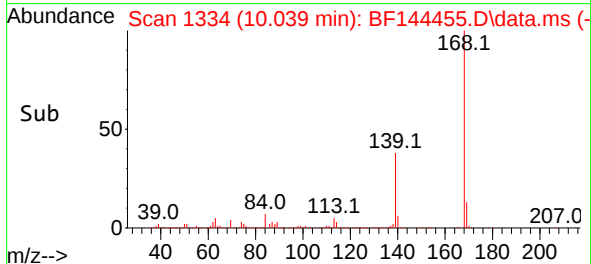
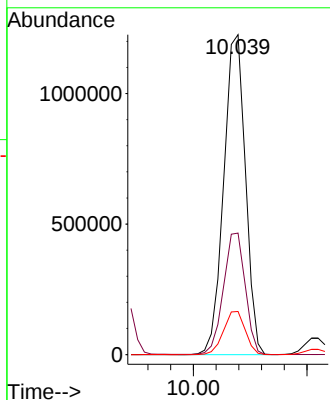
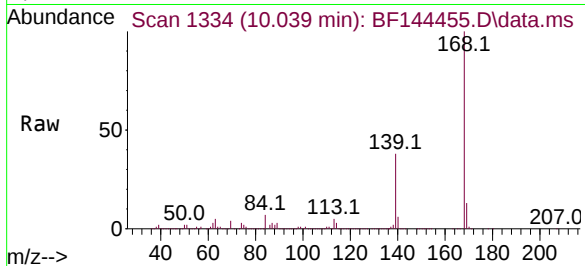




#55  
Dibenzofuran  
Concen: 41.126 ng  
RT: 10.039 min Scan# 1333  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

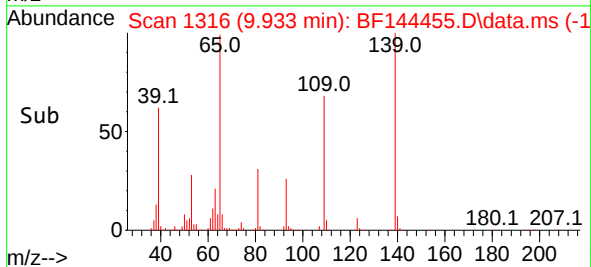
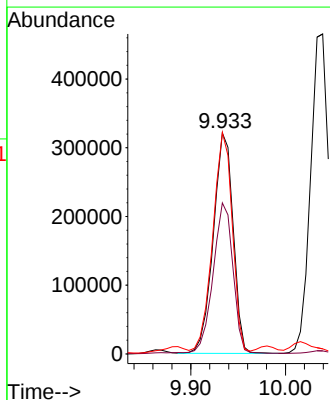
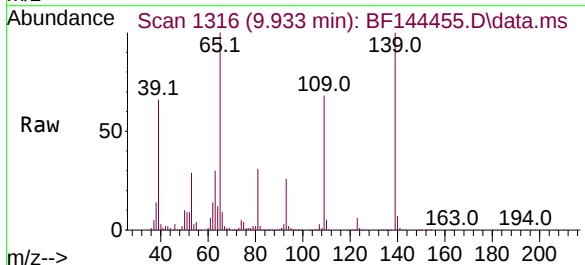
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BNA\_F  
ClientSampleId :  
PB170916BS

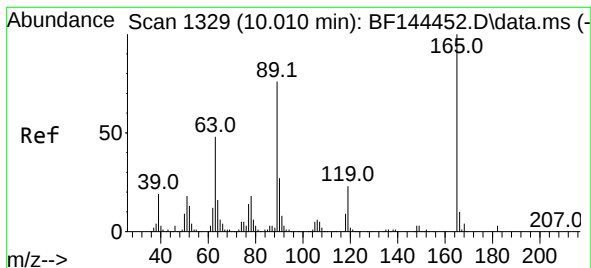
Tgt Ion:168 Resp: 1627675  
Ion Ratio Lower Upper  
168 100  
139 38.0 31.0 46.6  
169 13.5 10.9 16.3



#56  
4-Nitrophenol  
Concen: 86.069 ng  
RT: 9.933 min Scan# 1316  
Delta R.T. 0.005 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:139 Resp: 467301  
Ion Ratio Lower Upper  
139 100  
109 68.4 47.4 87.4  
65 100.3 78.4 118.4

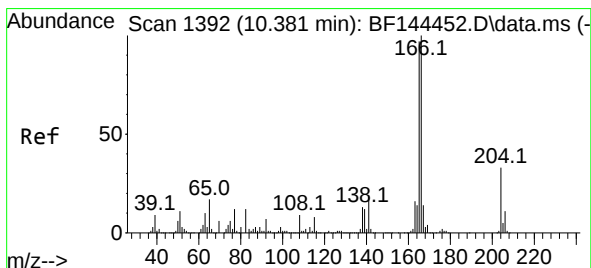
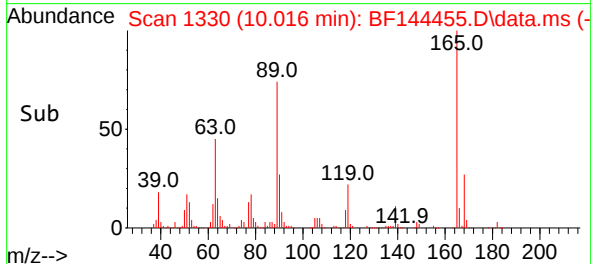
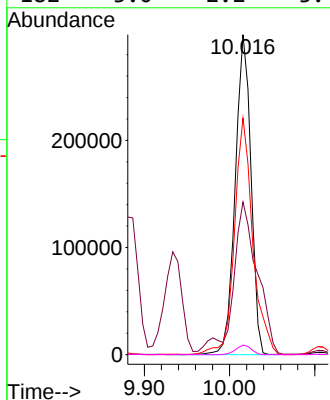
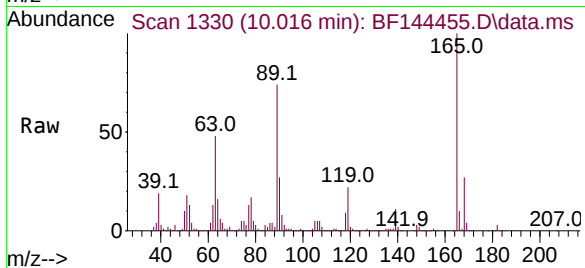




#57  
2,4-Dinitrotoluene  
Concen: 47.939 ng  
RT: 10.016 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

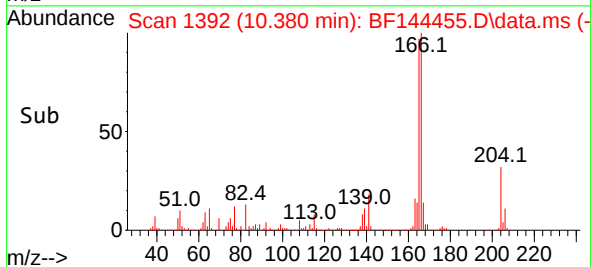
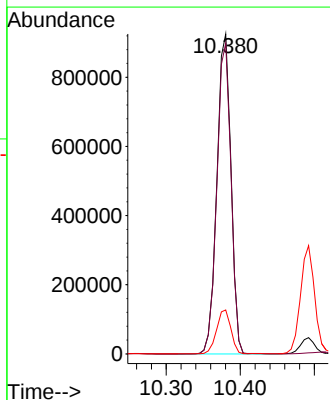
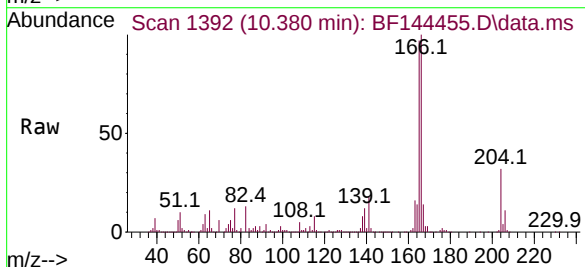
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

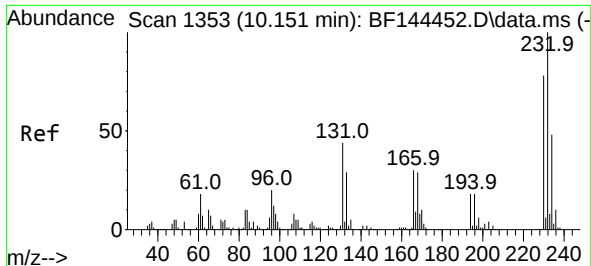
Tgt Ion:165 Resp: 382524  
Ion Ratio Lower Upper  
165 100  
63 47.7 38.2 57.4  
89 73.9 61.2 91.8  
182 3.0 2.2 3.4



#58  
Fluorene  
Concen: 40.696 ng  
RT: 10.380 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:166 Resp: 1219641  
Ion Ratio Lower Upper  
166 100  
165 97.1 77.6 116.4  
167 13.7 10.8 16.2

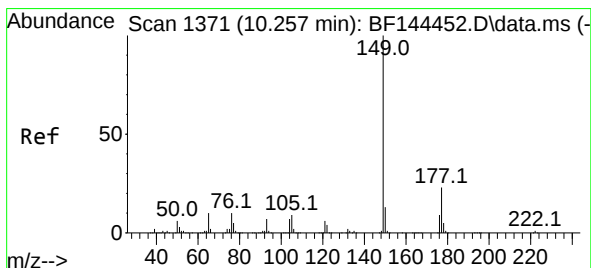
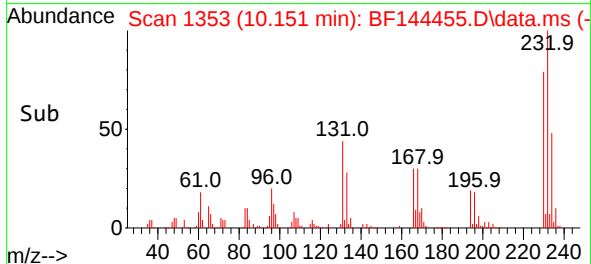
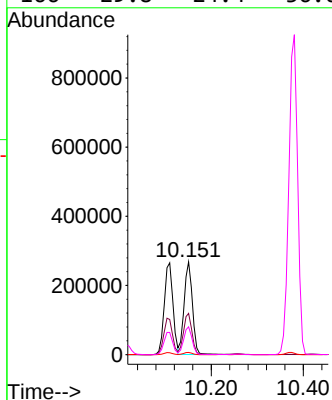
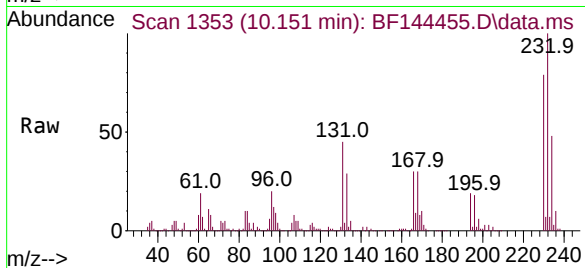




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.949 ng  
RT: 10.151 min Scan# 1353  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

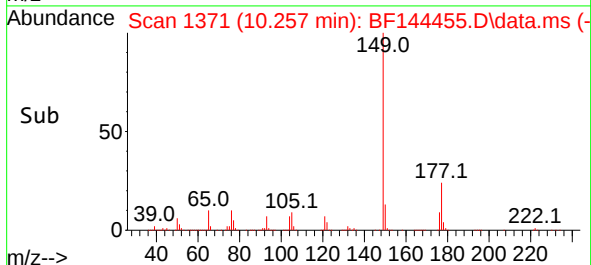
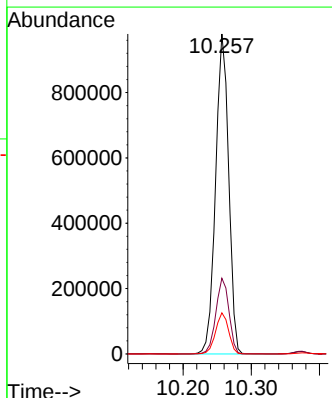
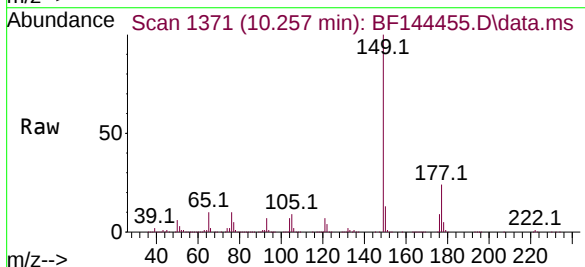
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

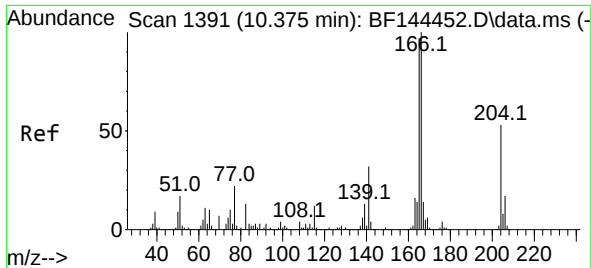
Tgt Ion:232 Resp: 339465  
Ion Ratio Lower Upper  
232 100  
131 45.0 36.3 54.5  
130 2.4 1.8 2.6  
166 29.8 24.4 36.6



#60  
Diethylphthalate  
Concen: 42.915 ng  
RT: 10.257 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:149 Resp: 1296737  
Ion Ratio Lower Upper  
149 100  
177 23.6 18.7 28.1  
150 12.8 10.1 15.1

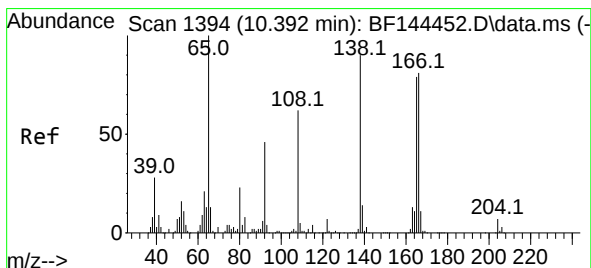
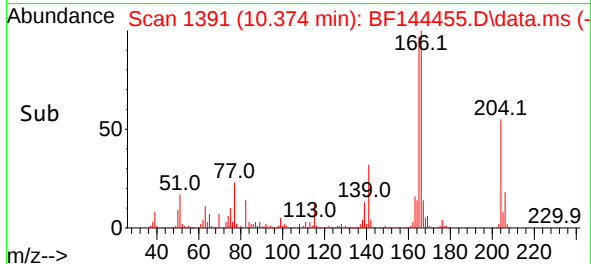
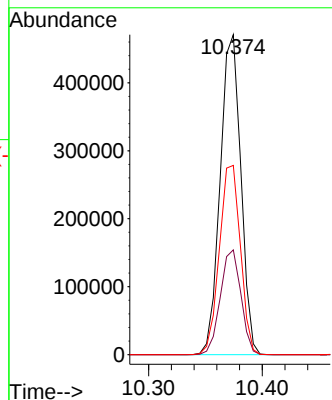
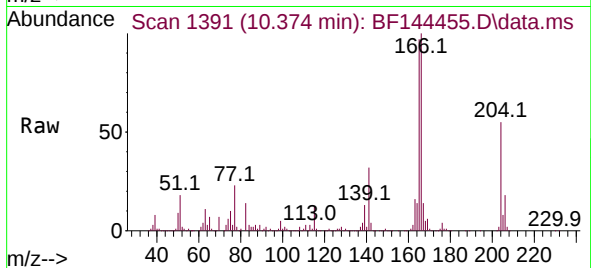




#61  
4-Chlorophenyl-phenylether  
Concen: 40.391 ng  
RT: 10.374 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

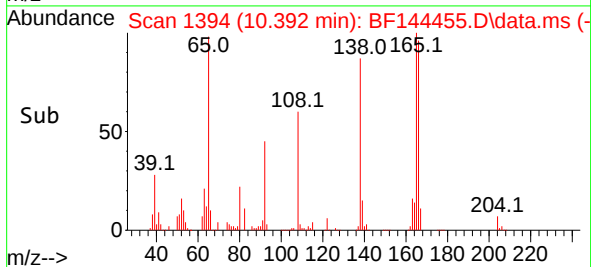
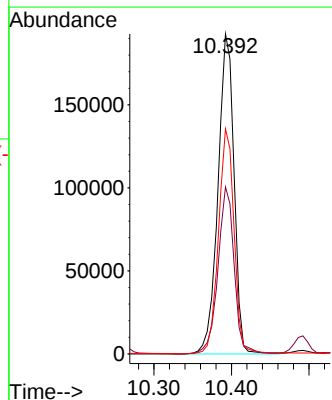
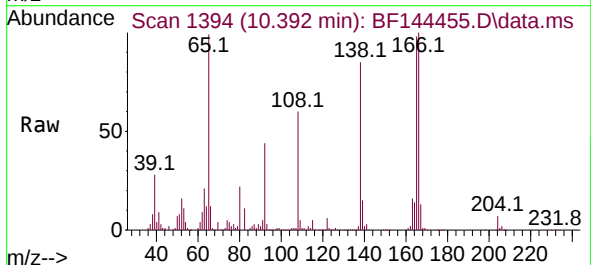
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

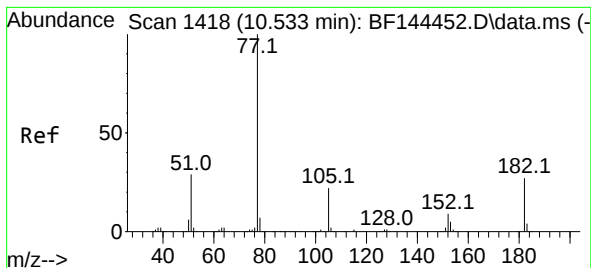
Tgt Ion:204 Resp: 593925  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.3 39.5  
141 59.1 48.4 72.6



#62  
4-Nitroaniline  
Concen: 39.808 ng  
RT: 10.392 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:138 Resp: 277396  
Ion Ratio Lower Upper  
138 100  
92 52.2 30.8 70.8  
108 70.3 49.2 89.2





#63

Azobenzene

Concen: 41.892 ng

RT: 10.533 min Scan# 1418

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

Tgt Ion: 77 Resp: 1337802

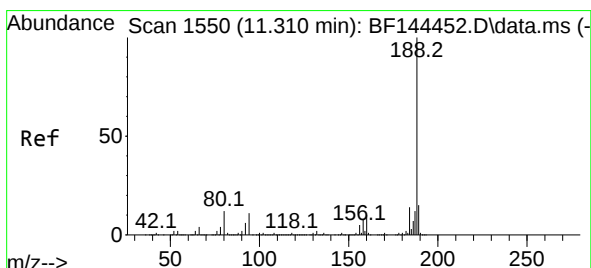
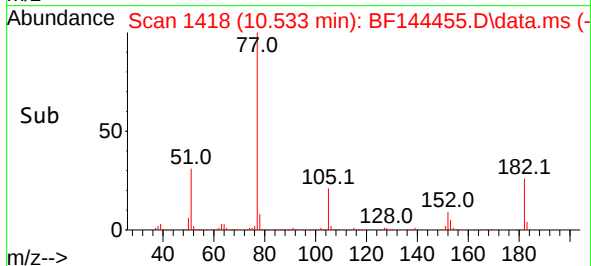
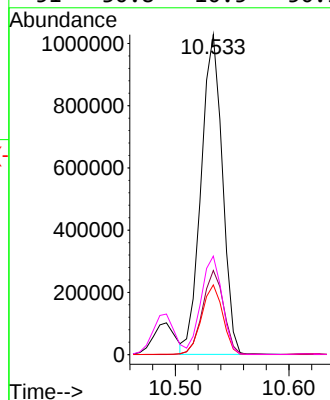
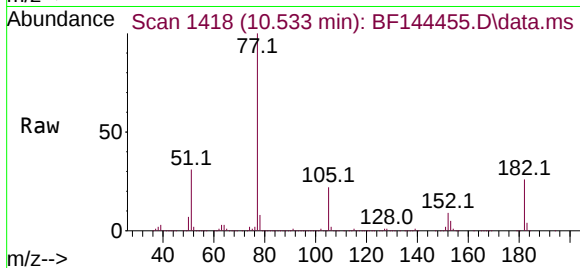
Ion Ratio Lower Upper

77 100

182 26.3 6.1 46.1

105 21.8 1.5 41.5

51 30.8 10.5 50.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

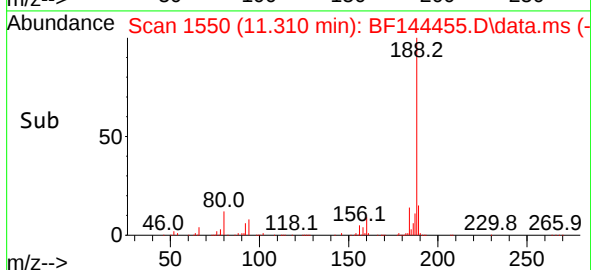
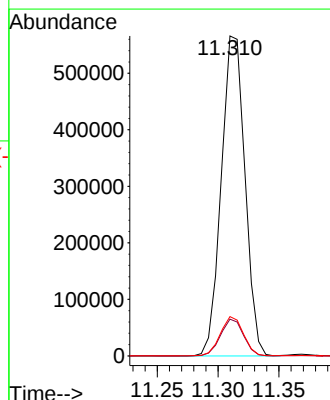
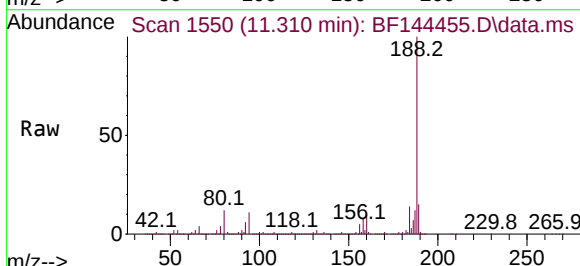
Tgt Ion: 188 Resp: 766320

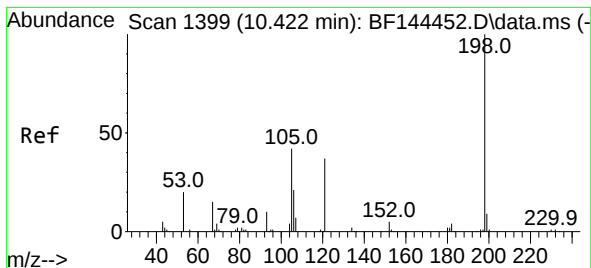
Ion Ratio Lower Upper

188 100

94 11.5 9.0 13.6

80 12.3 9.8 14.8

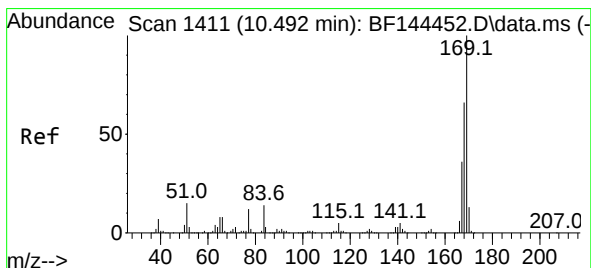
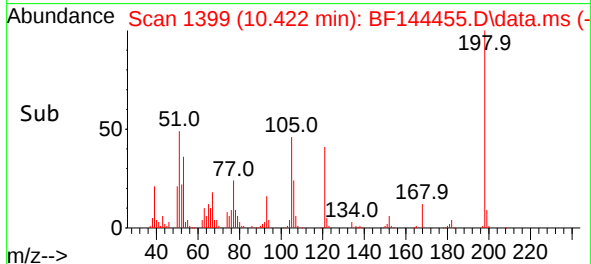
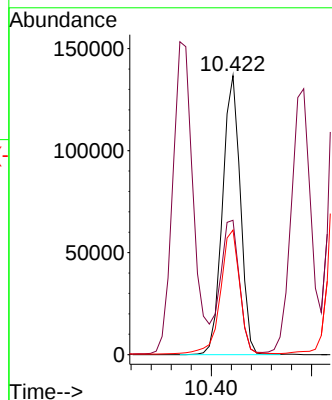
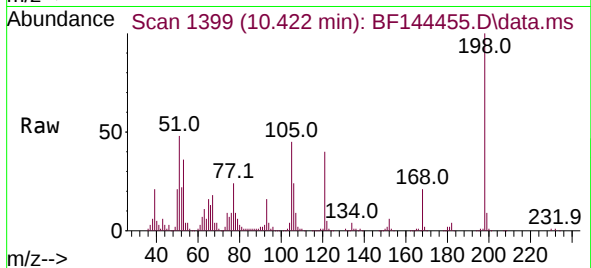




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.809 ng  
RT: 10.422 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

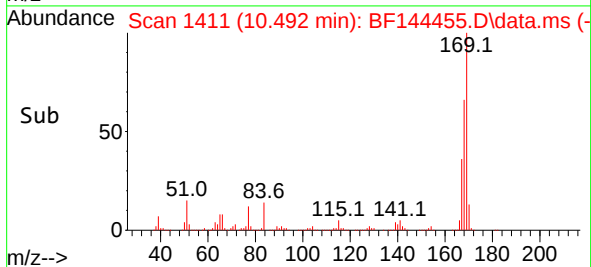
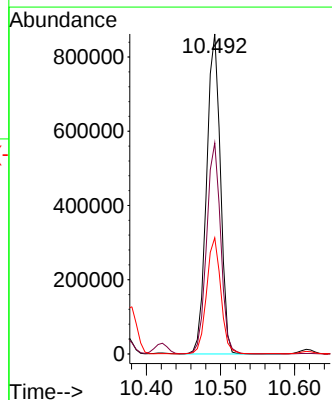
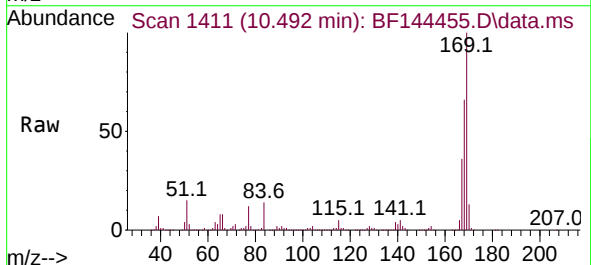
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

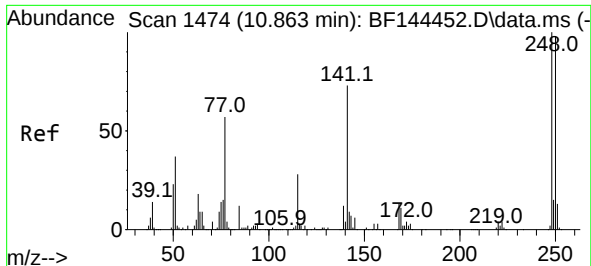
Tgt Ion:198 Resp: 169512  
Ion Ratio Lower Upper  
198 100  
51 48.2 25.5 65.5  
105 44.6 23.4 63.4



#66  
n-Nitrosodiphenylamine  
Concen: 42.402 ng  
RT: 10.492 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:169 Resp: 1113521  
Ion Ratio Lower Upper  
169 100  
168 65.9 52.6 79.0  
167 36.3 28.8 43.2

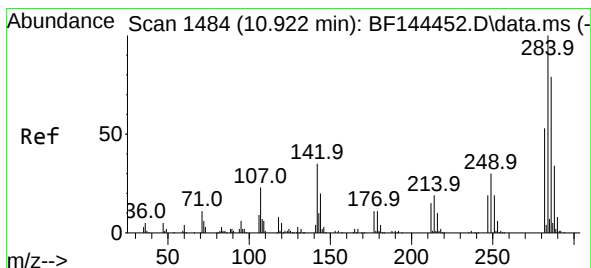
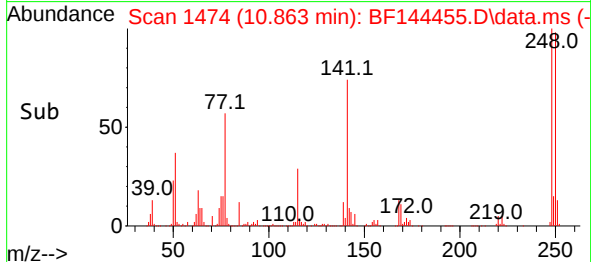
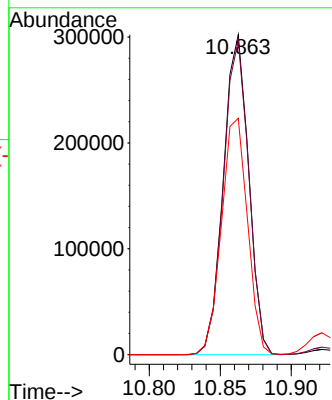
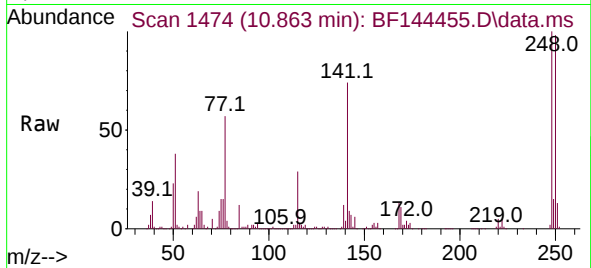




#67  
4-Bromophenyl-phenylether  
Concen: 41.947 ng  
RT: 10.863 min Scan# 1474  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

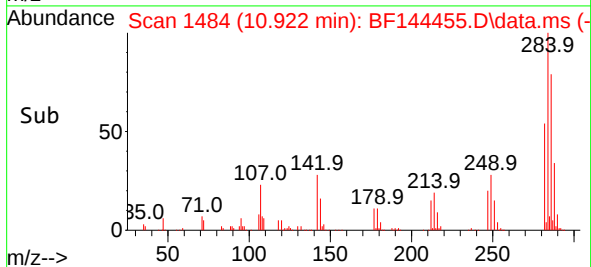
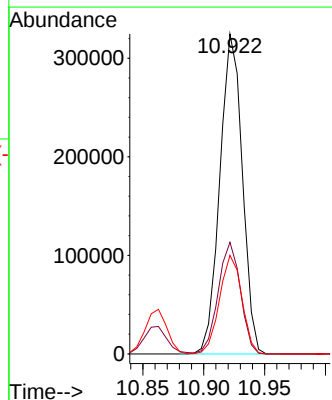
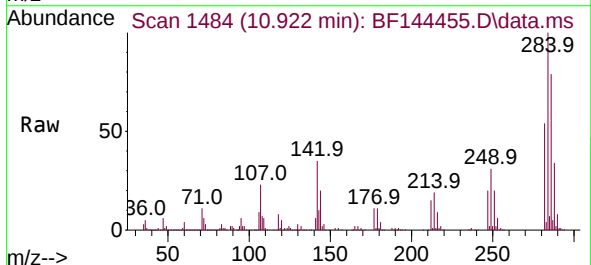
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

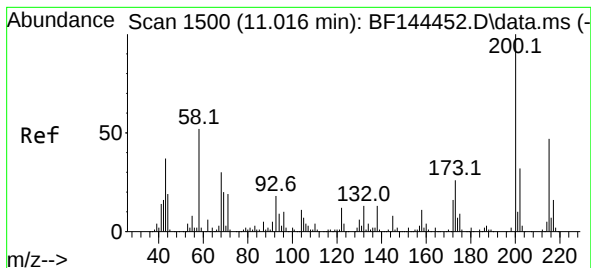
Tgt Ion:248 Resp: 375267  
Ion Ratio Lower Upper  
248 100  
250 98.2 78.2 117.4  
141 73.9 58.5 87.7



#68  
Hexachlorobenzene  
Concen: 42.250 ng  
RT: 10.922 min Scan# 1484  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:284 Resp: 417250  
Ion Ratio Lower Upper  
284 100  
142 34.9 28.2 42.2  
249 30.8 24.7 37.1





#69

Atrazine

Concen: 45.300 ng

RT: 11.016 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

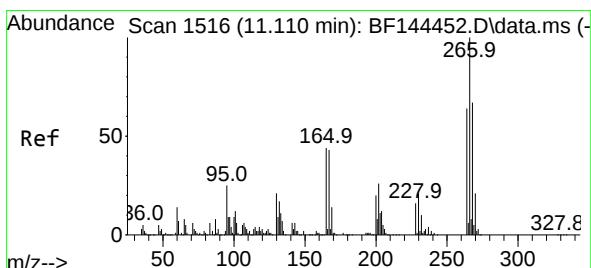
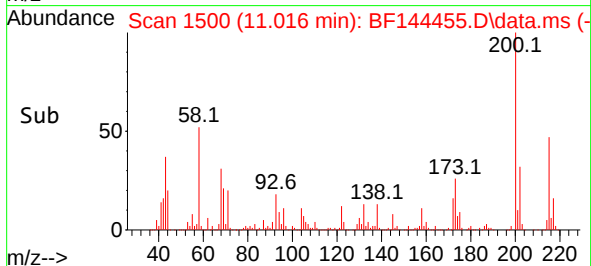
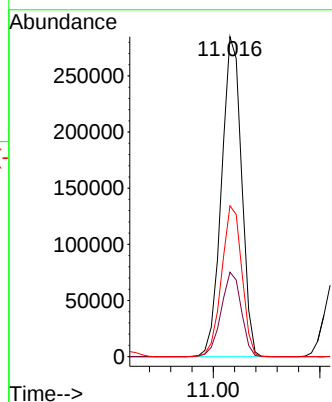
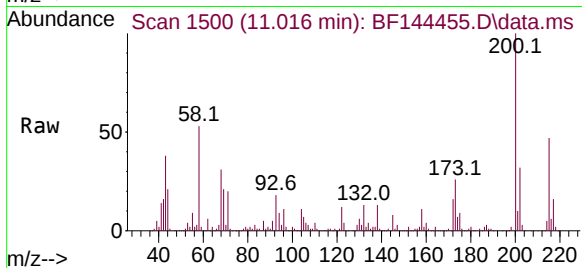
Tgt Ion:200 Resp: 372629

Ion Ratio Lower Upper

200 100

173 26.4 6.2 46.2

215 47.1 27.2 67.2



#70

Pentachlorophenol

Concen: 87.000 ng

RT: 11.116 min Scan# 1517

Delta R.T. 0.006 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

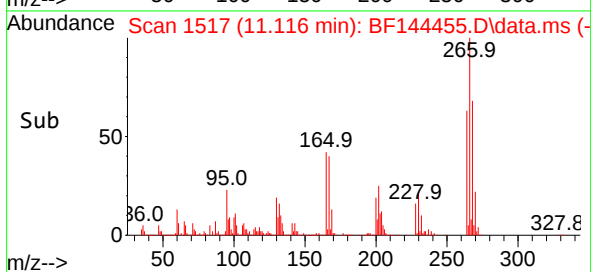
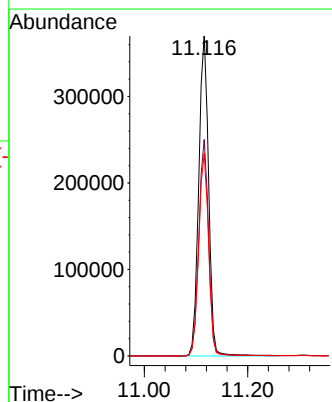
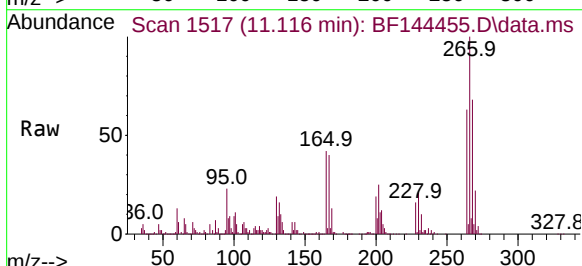
Tgt Ion:266 Resp: 490074

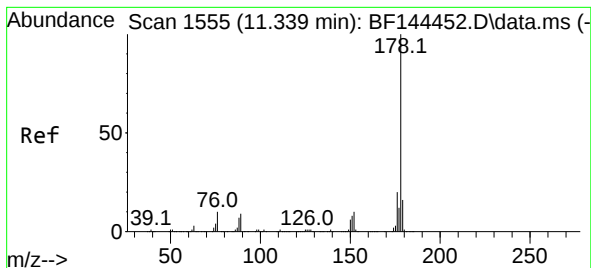
Ion Ratio Lower Upper

266 100

268 67.6 53.8 80.8

264 63.3 51.2 76.8





#71

Phenanthrene

Concen: 40.475 ng

RT: 11.339 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

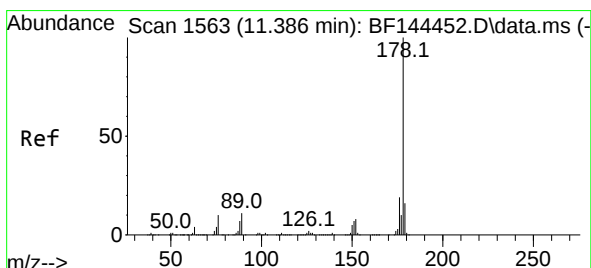
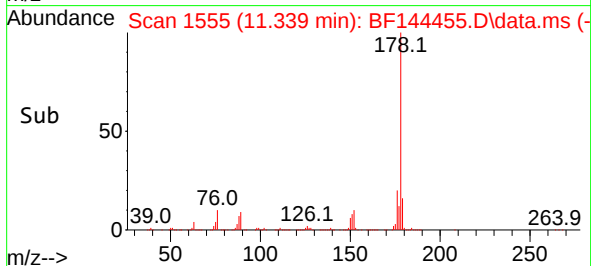
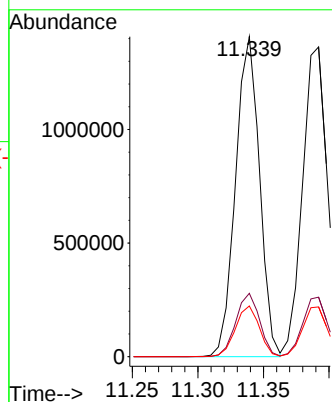
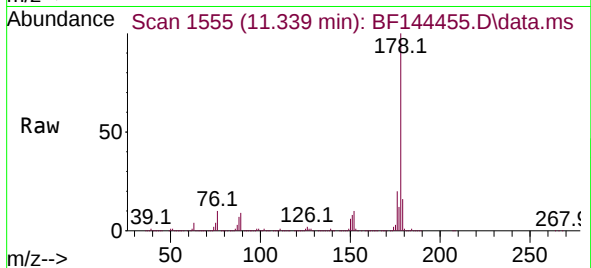
Tgt Ion:178 Resp: 1788141

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.8 12.5 18.7



#72

Anthracene

Concen: 39.983 ng

RT: 11.392 min Scan# 1564

Delta R.T. 0.006 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

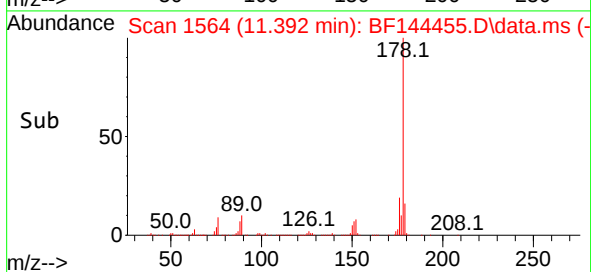
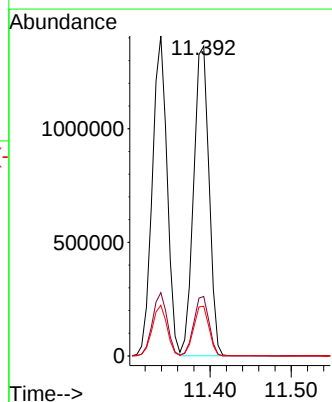
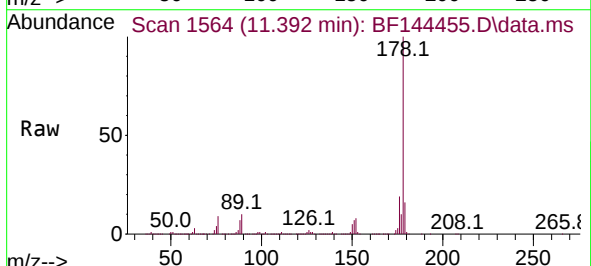
Tgt Ion:178 Resp: 1787809

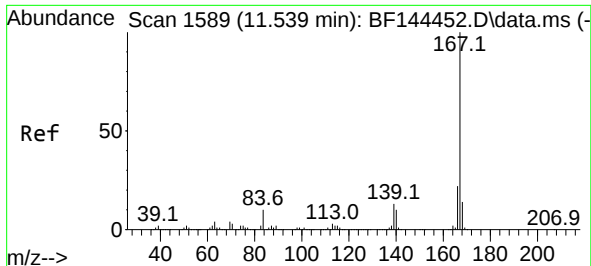
Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 16.1 12.7 19.1

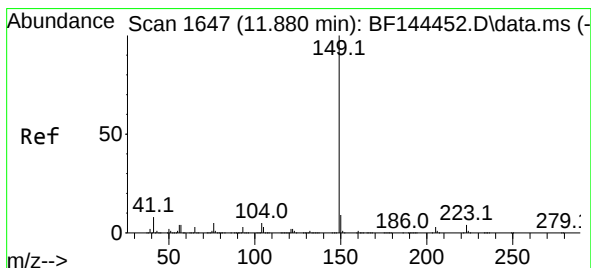
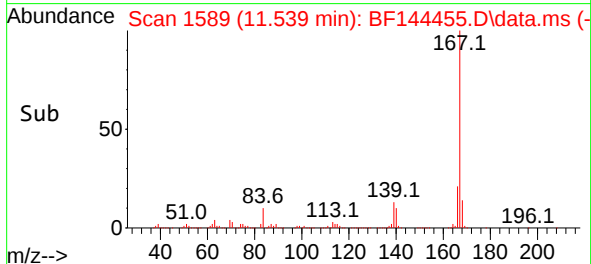
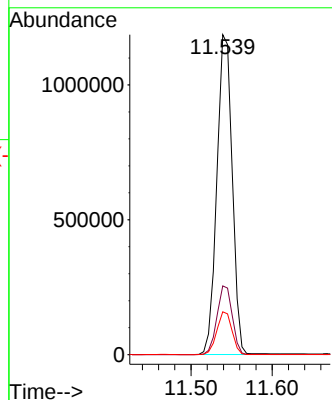
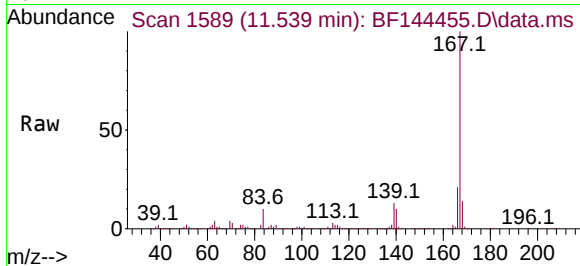




#73  
 Carbazole  
 Concen: 40.158 ng  
 RT: 11.539 min Scan# 1589  
 Delta R.T. -0.000 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

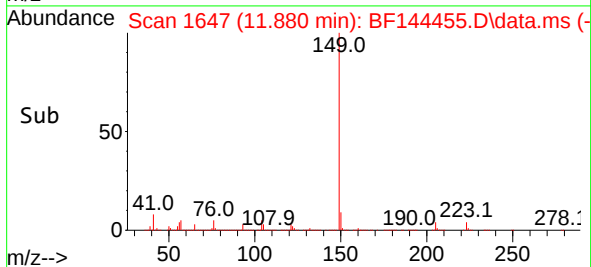
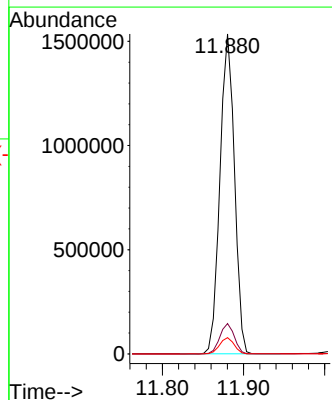
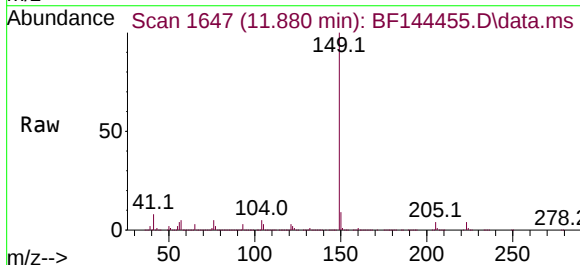
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB170916BS

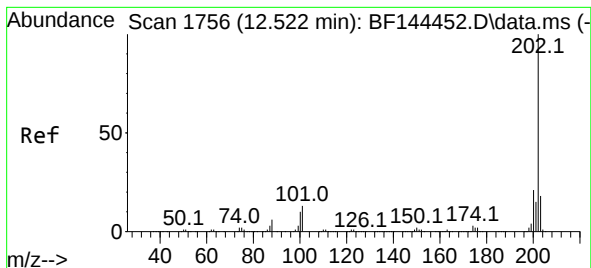
Tgt Ion:167 Resp: 1558875  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.4 26.2  
 139 13.4 10.7 16.1



#74  
 Di-n-butylphthalate  
 Concen: 45.806 ng  
 RT: 11.880 min Scan# 1647  
 Delta R.T. -0.000 min  
 Lab File: BF144455.D  
 Acq: 12 Dec 2025 17:36

Tgt Ion:149 Resp: 1900734  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.5 11.3  
 104 5.1 3.9 5.9





#75

Fluoranthene

Concen: 39.500 ng

RT: 12.521 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

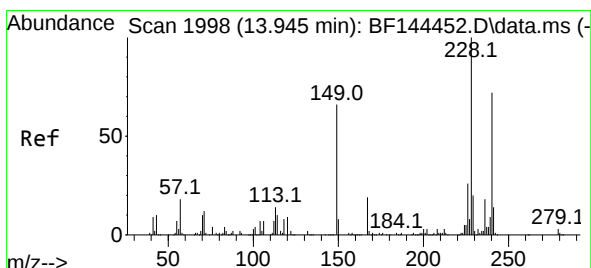
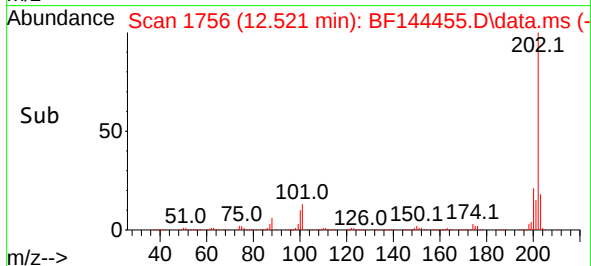
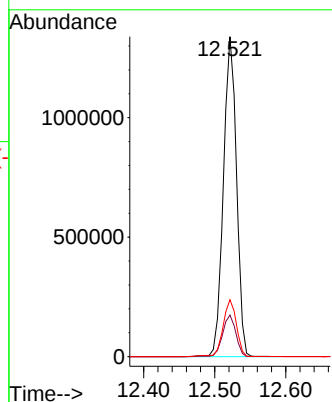
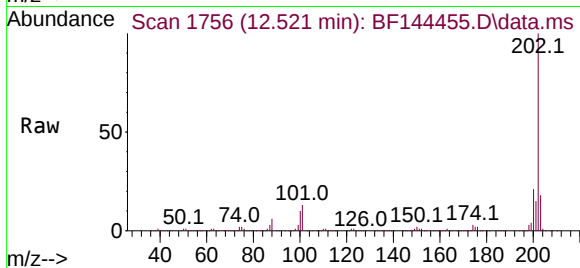
Tgt Ion:202 Resp: 1723223

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.9

203 17.8 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 1998

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

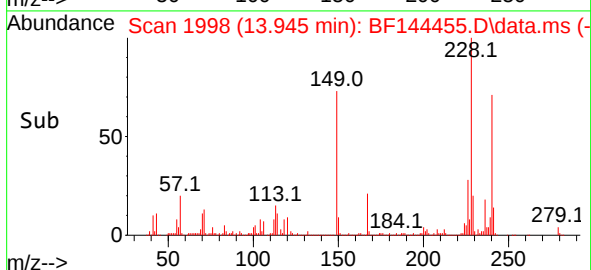
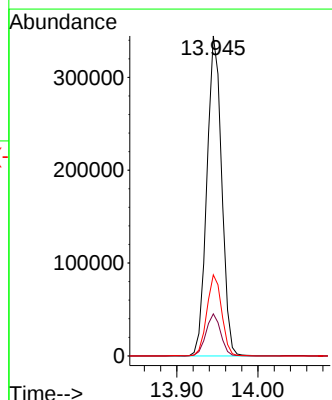
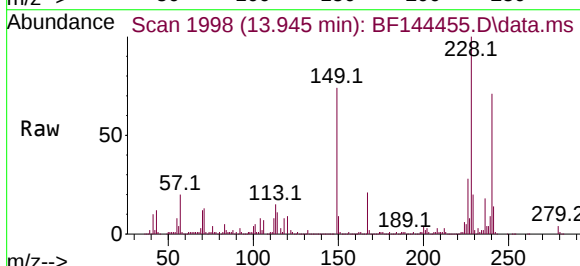
Tgt Ion:240 Resp: 437655

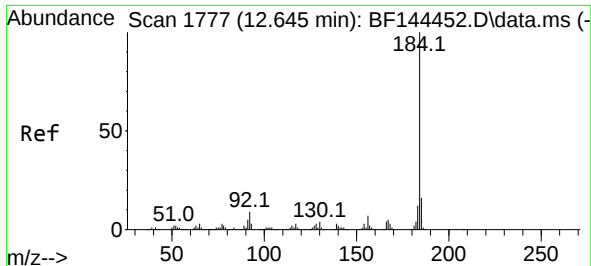
Ion Ratio Lower Upper

240 100

120 13.1 10.3 15.5

236 25.3 20.2 30.4

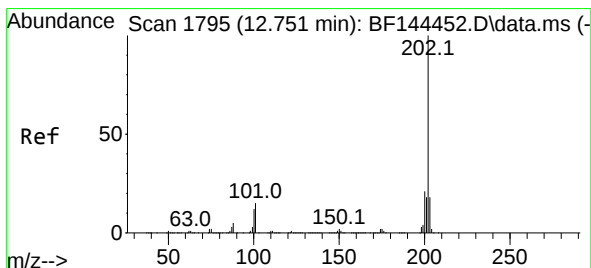
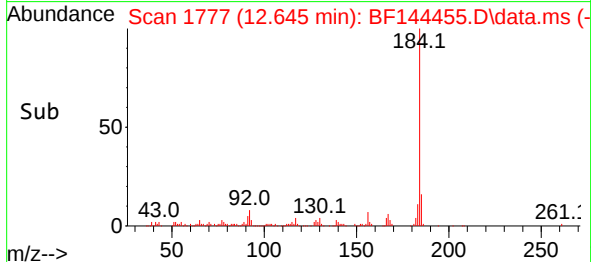
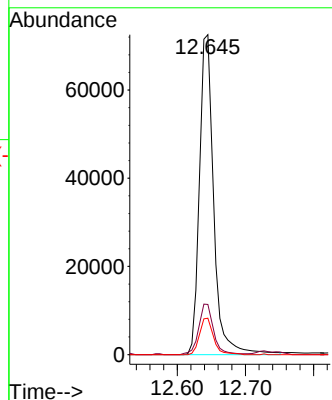
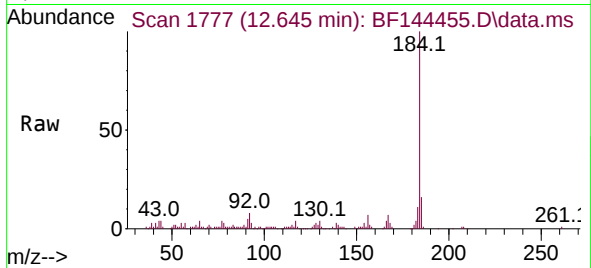




#77  
Benzidine  
Concen: 6.800 ng  
RT: 12.645 min Scan# 1777  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

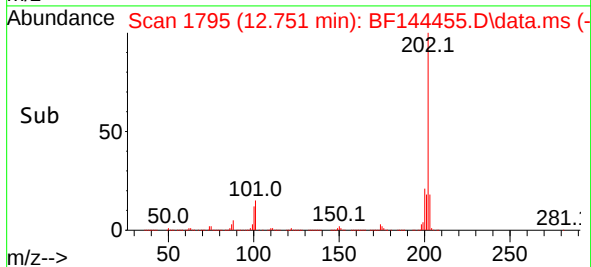
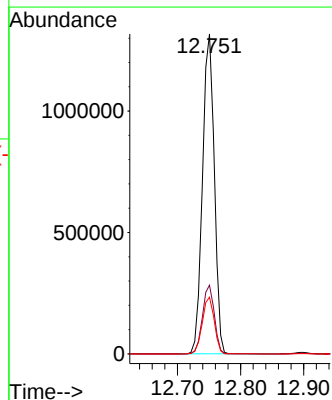
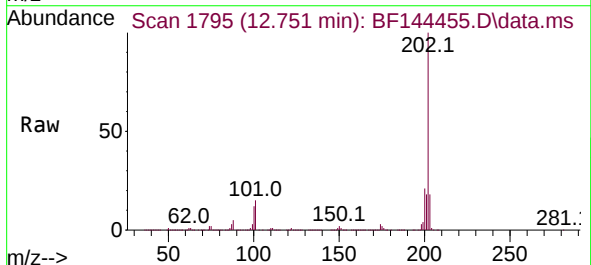
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

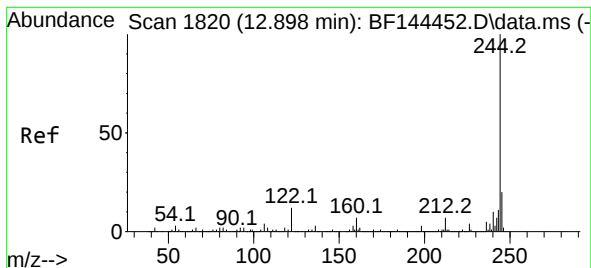
Tgt Ion:184 Resp: 105970  
Ion Ratio Lower Upper  
184 100  
185 15.7 12.6 18.8  
183 11.4 9.4 14.0



#78  
Pyrene  
Concen: 42.695 ng  
RT: 12.751 min Scan# 1795  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:202 Resp: 1711935  
Ion Ratio Lower Upper  
202 100  
200 21.5 16.9 25.3  
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 78.084 ng

RT: 12.898 min Scan# 1820

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

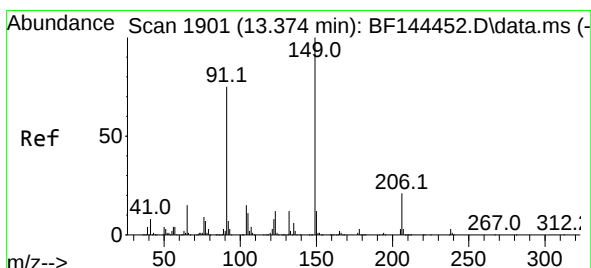
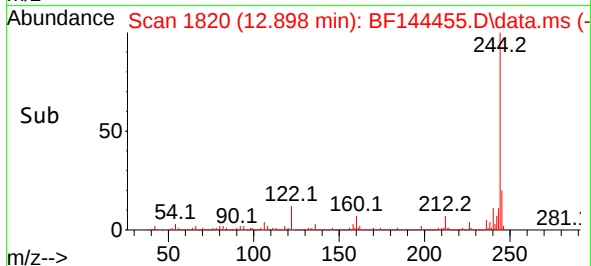
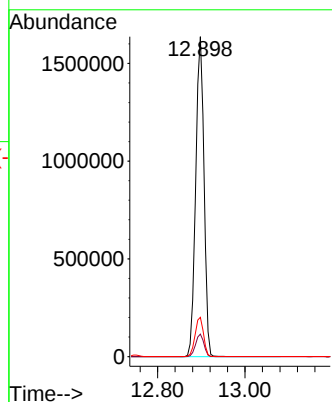
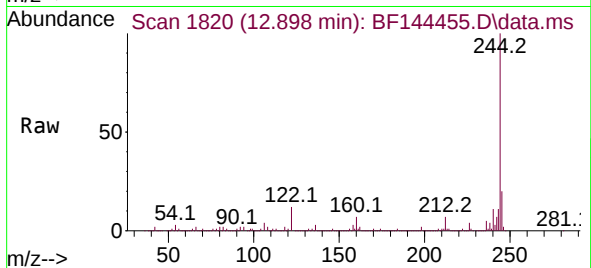
Tgt Ion:244 Resp: 2164576

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 12.3 9.9 14.9



#80

Butylbenzylphthalate

Concen: 46.407 ng

RT: 13.374 min Scan# 1901

Delta R.T. 0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

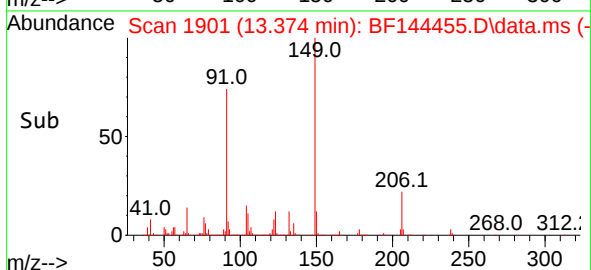
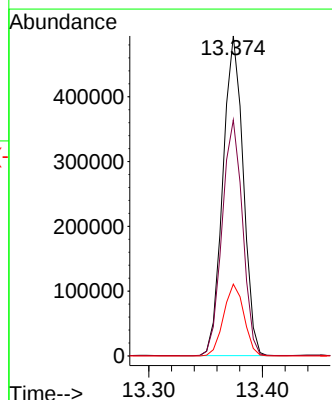
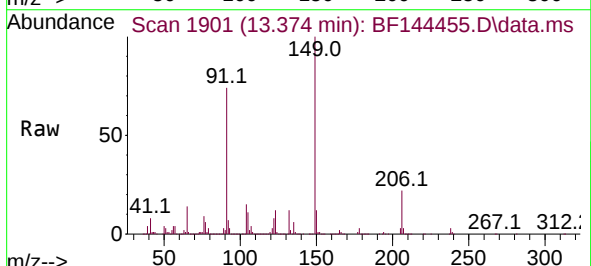
Tgt Ion:149 Resp: 614174

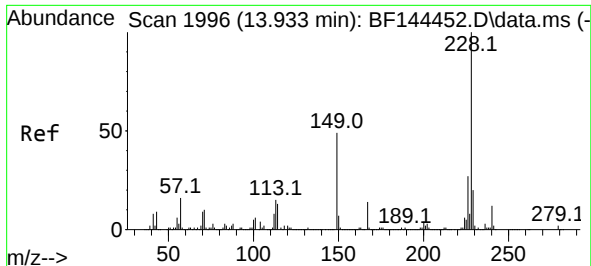
Ion Ratio Lower Upper

149 100

91 73.7 59.8 89.8

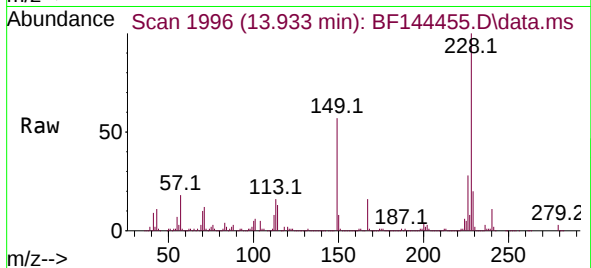
206 22.4 17.0 25.6



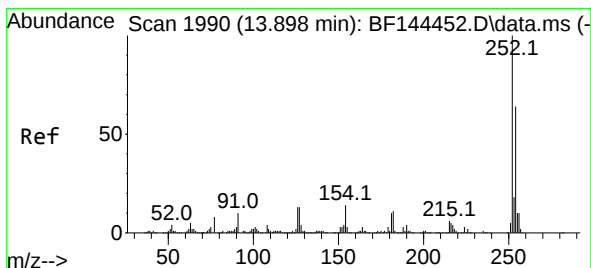
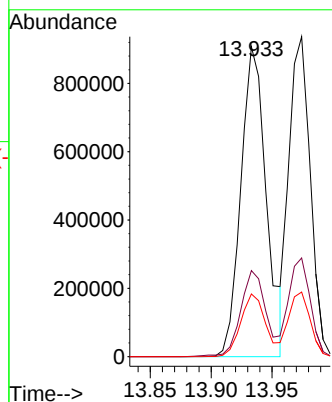
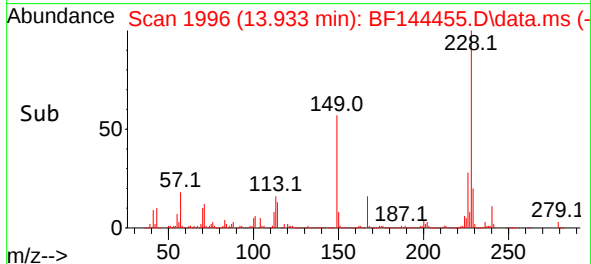


#81  
Benzo(a)anthracene  
Concen: 42.870 ng  
RT: 13.933 min Scan# 1996  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

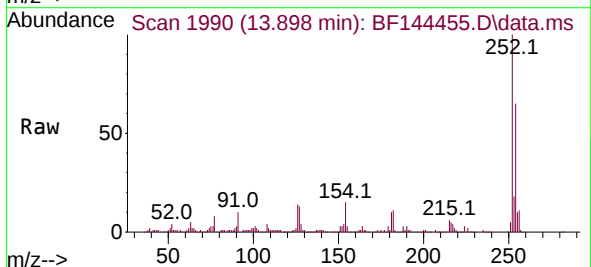
Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS



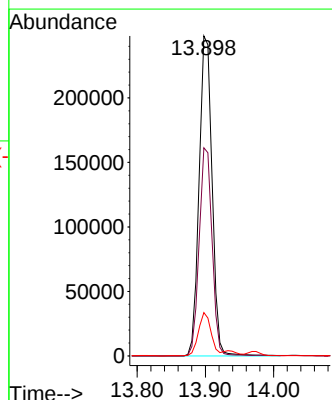
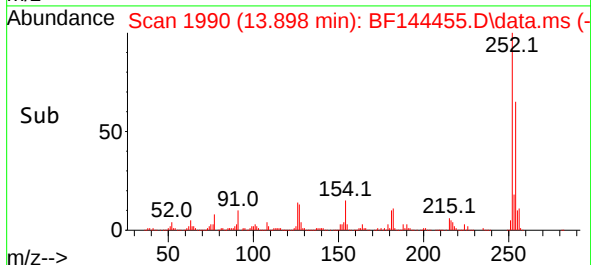
Tgt Ion:228 Resp: 1321277  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.9 32.9  
229 20.2 16.1 24.1

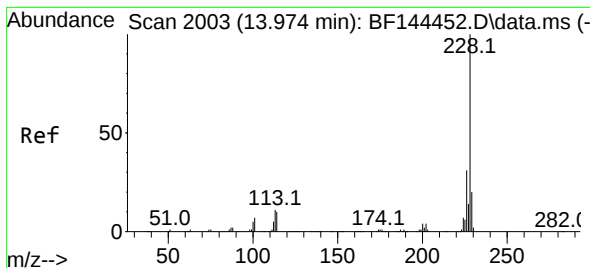


#82  
3,3'-Dichlorobenzidine  
Concen: 37.635 ng  
RT: 13.898 min Scan# 1990  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36



Tgt Ion:252 Resp: 328675  
Ion Ratio Lower Upper  
252 100  
254 65.1 51.1 76.7  
126 13.5 10.4 15.6





#83

Chrysene

Concen: 40.449 ng

RT: 13.974 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

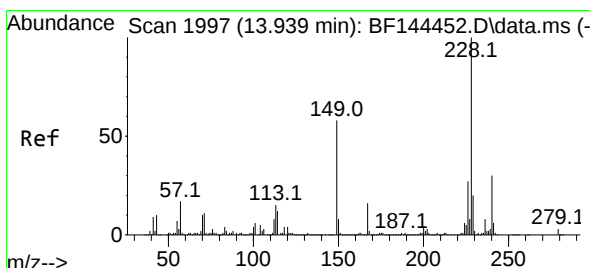
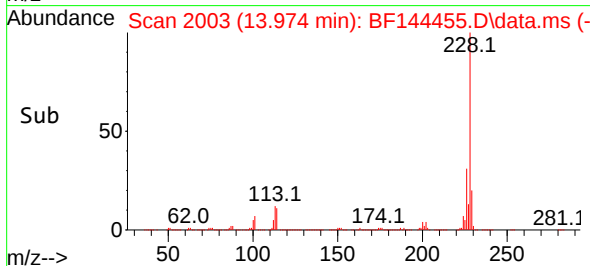
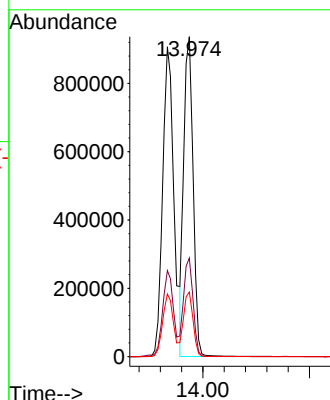
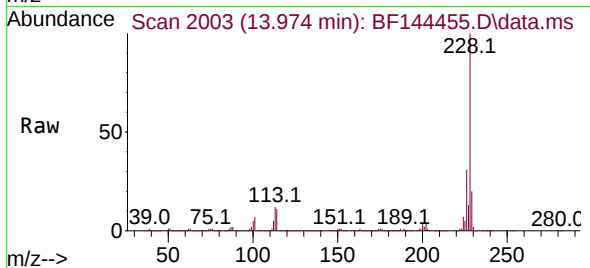
Tgt Ion:228 Resp: 1140932

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

229 20.2 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.059 ng

RT: 13.939 min Scan# 1997

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

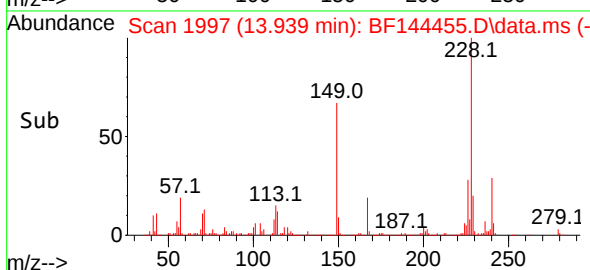
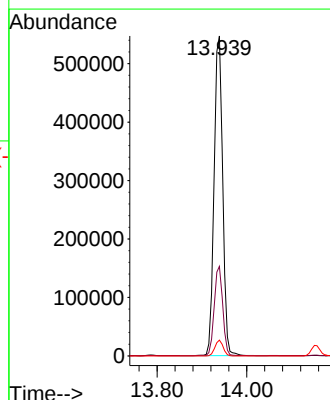
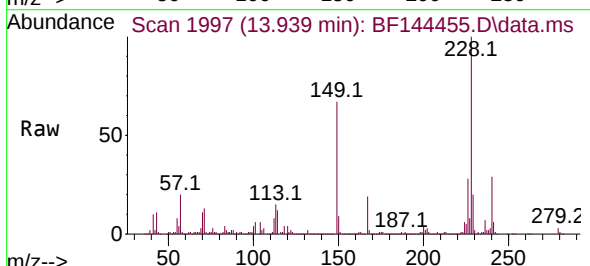
Tgt Ion:149 Resp: 725596

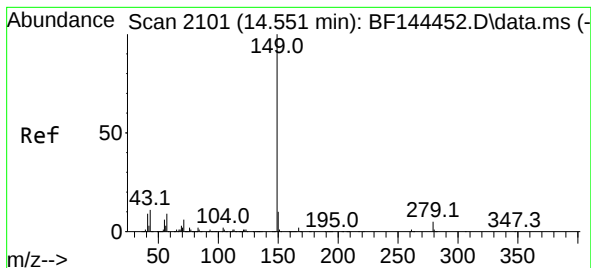
Ion Ratio Lower Upper

149 100

167 28.0 22.6 34.0

279 4.9 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 50.168 ng

RT: 14.545 min Scan# 2100

Delta R.T. -0.006 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

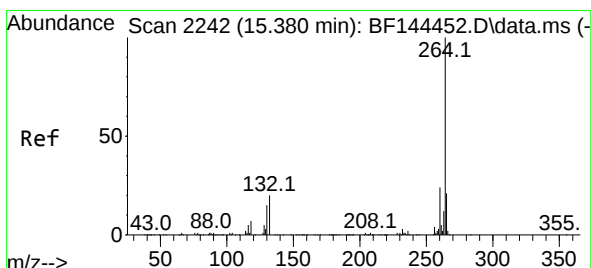
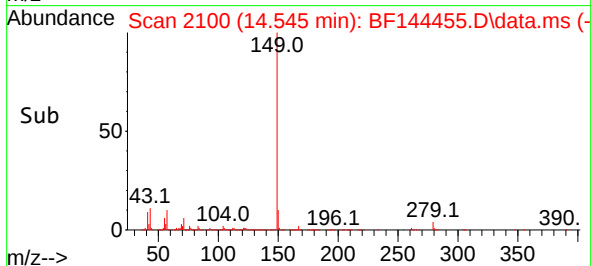
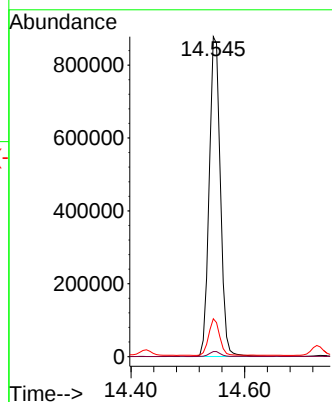
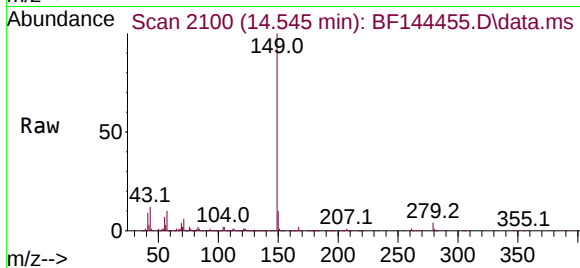
Tgt Ion:149 Resp: 1200791

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 11.1 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.380 min Scan# 2242

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

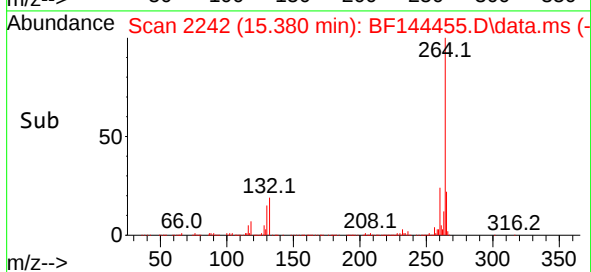
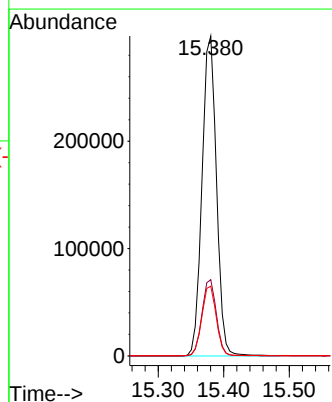
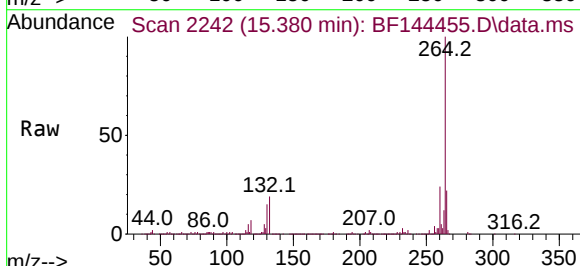
Tgt Ion:264 Resp: 454153

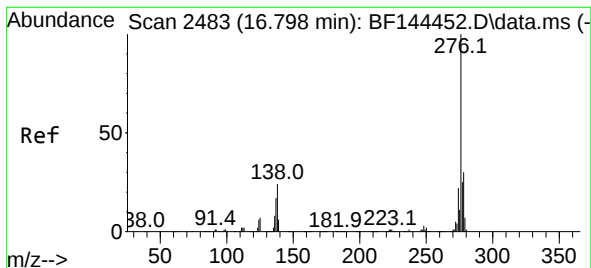
Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

265 21.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.283 ng

RT: 16.798 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

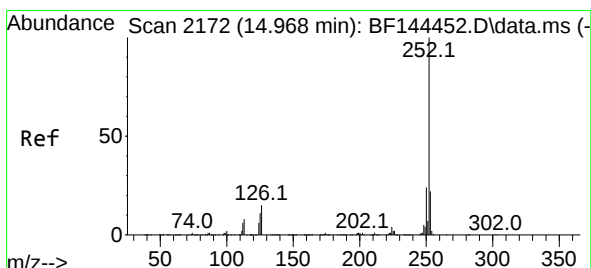
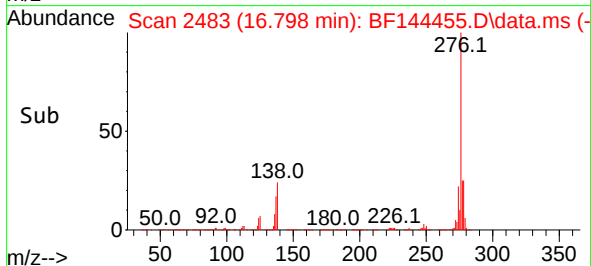
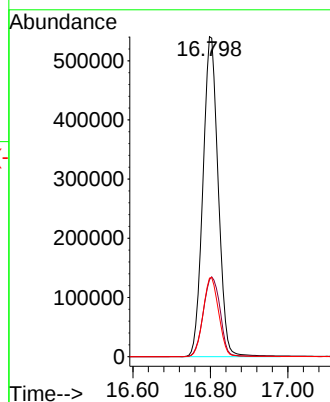
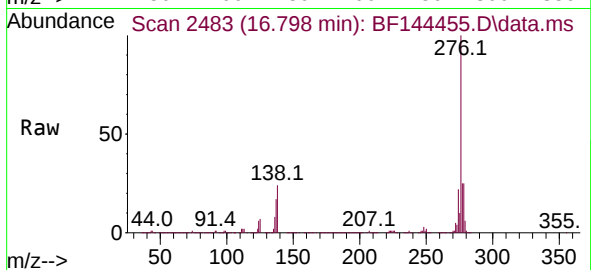
Tgt Ion:276 Resp: 1476152

Ion Ratio Lower Upper

276 100

138 27.7 21.9 32.9

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 44.163 ng

RT: 14.968 min Scan# 2172

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

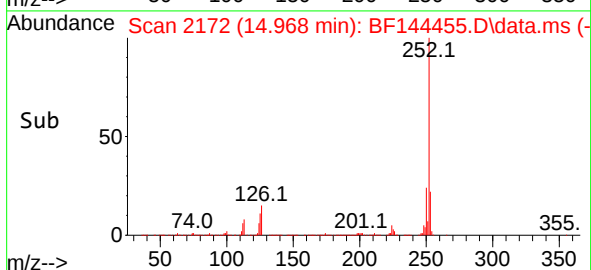
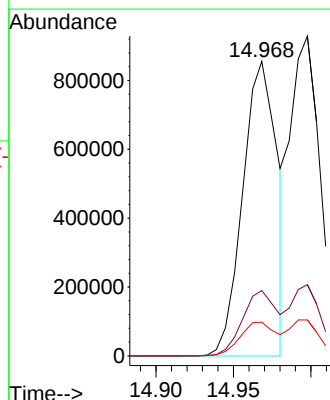
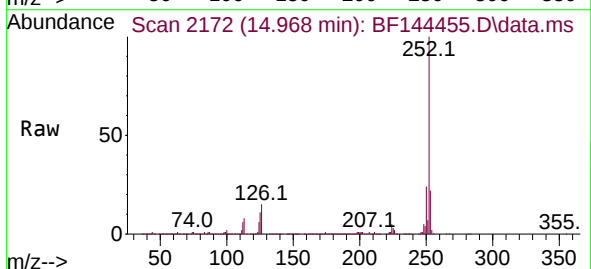
Tgt Ion:252 Resp: 1316693

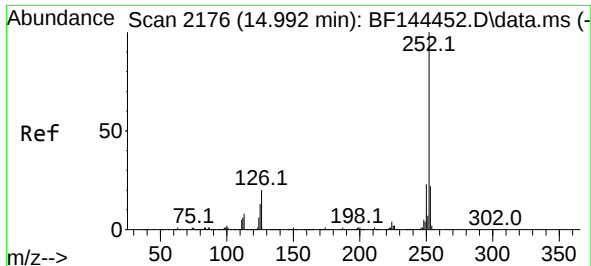
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 11.4 9.0 13.4





#89

Benzo(k)fluoranthene

Concen: 44.745 ng

RT: 14.998 min Scan# 2177

Delta R.T. 0.006 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

Instrument :

BNA\_F

ClientSampleId :

PB170916BS

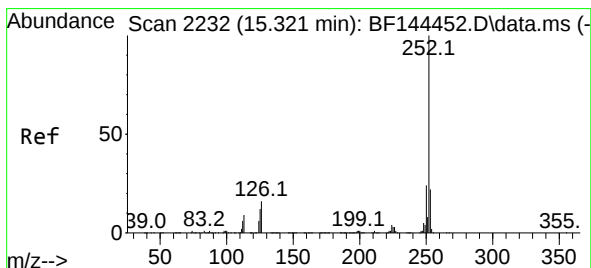
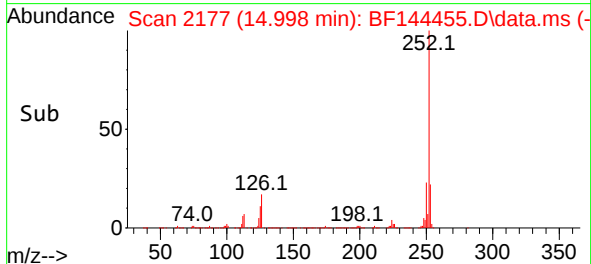
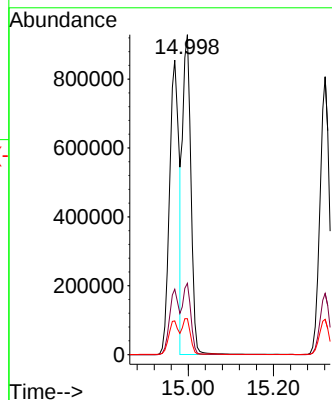
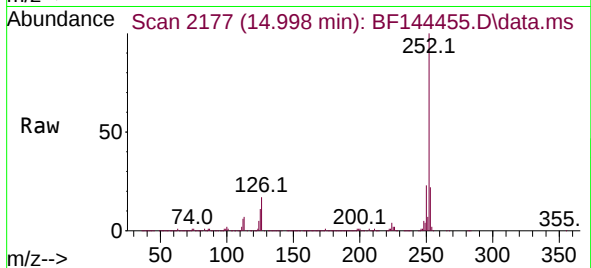
Tgt Ion:252 Resp: 1261417

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.2 9.7 14.5



#90

Benzo(a)pyrene

Concen: 47.701 ng

RT: 15.321 min Scan# 2232

Delta R.T. -0.000 min

Lab File: BF144455.D

Acq: 12 Dec 2025 17:36

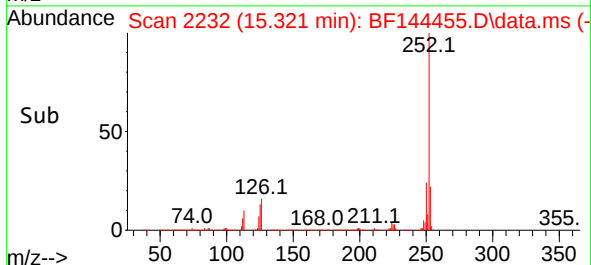
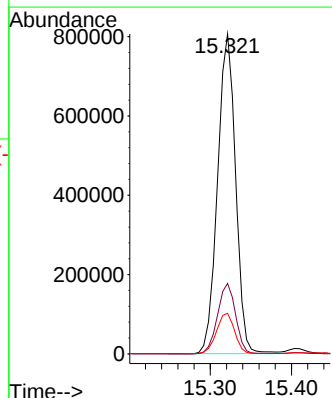
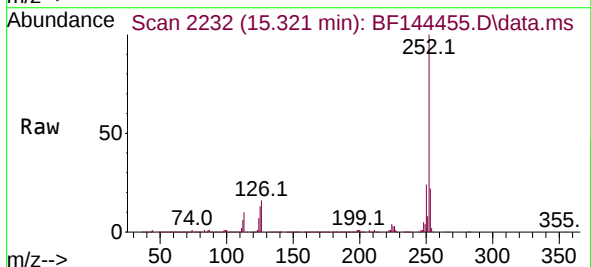
Tgt Ion:252 Resp: 1243123

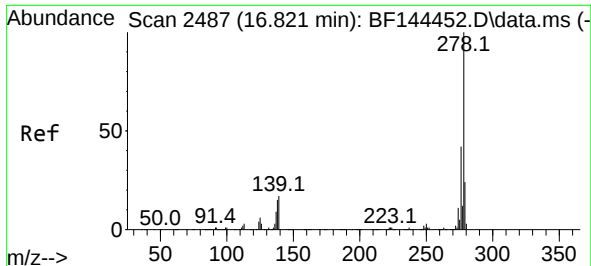
Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 12.7 9.9 14.9

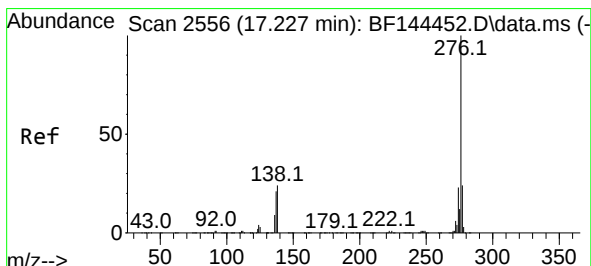
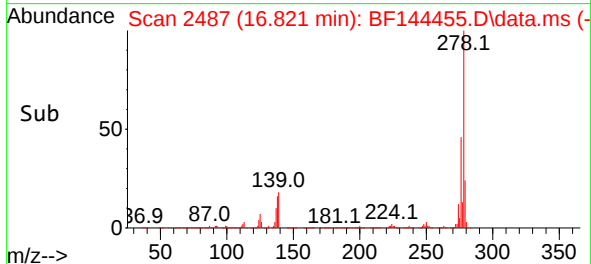
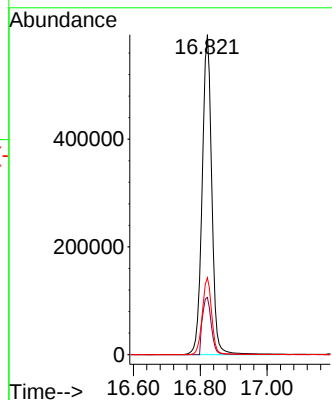
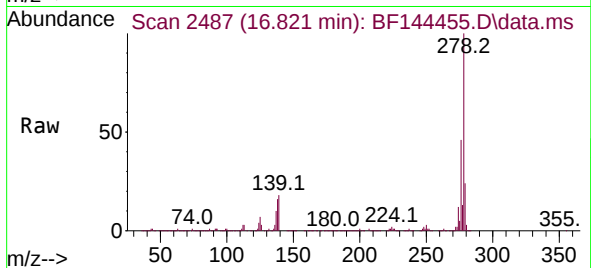




#91  
Dibenzo(a,h)anthracene  
Concen: 45.177 ng  
RT: 16.821 min Scan# 2487  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Instrument :  
BNA\_F  
ClientSampleId :  
PB170916BS

Tgt Ion:278 Resp: 1189334  
Ion Ratio Lower Upper  
278 100  
139 17.9 13.6 20.4  
279 24.0 19.2 28.8



#92  
Benzo(g,h,i)perylene  
Concen: 44.311 ng  
RT: 17.227 min Scan# 2556  
Delta R.T. -0.000 min  
Lab File: BF144455.D  
Acq: 12 Dec 2025 17:36

Tgt Ion:276 Resp: 1186128  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.8 28.2  
138 24.4 19.4 29.2

