

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012025\  
 Data File : BF141214.D  
 Acq On : 20 Jan 2025 11:30  
 Operator : RC/JU  
 Sample : PB166115BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166115BS

Quant Time: Jan 20 11:53:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.810  | 152  | 157680   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.092  | 136  | 632035   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.845  | 164  | 344399   | 20.000  | ng    | -0.02    |
| 64) Phenanthrene-d10          | 11.333 | 188  | 583291   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.974 | 240  | 387847   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.433 | 264  | 335070   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 1402403  | 137.394 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.445  | 99   | 1777387  | 137.468 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.375  | 82   | 1142730  | 95.840  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.639 | 330  | 621790   | 158.450 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 2160102  | 95.778  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.921 | 244  | 2546992  | 97.606  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 186357   | 40.999  | ng    | 99       |
| 3) Pyridine                   | 3.369  | 79   | 468320   | 42.015  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.316  | 42   | 258949   | 47.512  | ng    | 98       |
| 6) Aniline                    | 6.475  | 93   | 475561   | 41.428  | ng    | # 88     |
| 8) 2-Chlorophenol             | 6.598  | 128  | 565450   | 51.635  | ng    | 97       |
| 9) Benzaldehyde               | 6.357  | 77   | 63807    | 8.379   | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 673629   | 48.671  | ng    | 90       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 513237   | 49.758  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.751  | 146  | 583547   | 47.778  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.828  | 146  | 590214   | 47.954  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.981  | 146  | 568313   | 49.501  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 489834   | 52.460  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.087  | 45   | 690609   | 47.981  | ng    | 94       |
| 17) 2-Methylphenol            | 7.069  | 107  | 450994   | 51.011  | ng    | 98       |
| 18) Hexachloroethane          | 7.322  | 117  | 216691   | 48.685  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 378590   | 49.708  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.222  | 107  | 548850   | 49.206  | ng    | # 81     |
| 22) Acetophenone              | 7.222  | 105  | 735524   | 48.953  | ng    | # 95     |
| 24) Nitrobenzene              | 7.392  | 77   | 575528   | 46.314  | ng    | 99       |
| 25) Isophorone                | 7.634  | 82   | 1035184  | 50.803  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.710  | 139  | 303835   | 53.751  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 454813   | 59.651  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.845  | 93   | 630120   | 49.275  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 464384   | 51.282  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.034  | 180  | 486020   | 46.955  | ng    | 99       |
| 31) Naphthalene               | 8.116  | 128  | 1605635  | 48.173  | ng    | 100      |
| 32) Benzoic acid              | 7.869  | 122  | 370926   | 50.714  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.163  | 127  | 218817   | 18.983  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.233  | 225  | 302203   | 48.454  | ng    | 99       |
| 35) Caprolactam               | 8.533  | 113  | 93884    | 31.667  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 509536   | 51.450  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.804  | 142  | 1057984  | 49.812  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.904  | 142  | 984404   | 47.028  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.969  | 216  | 493514   | 49.926  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.957  | 237  | 607563   | 187.867 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.081  | 196  | 349405   | 52.410  | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012025\  
 Data File : BF141214.D  
 Acq On : 20 Jan 2025 11:30  
 Operator : RC/JU  
 Sample : PB166115BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

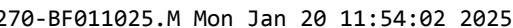
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166115BS

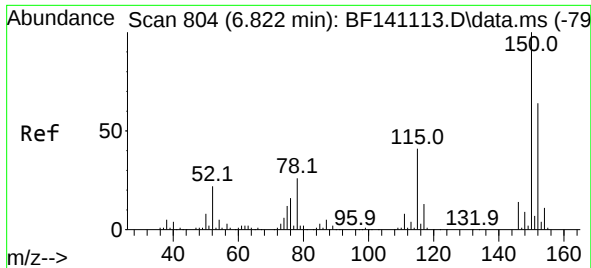
Quant Time: Jan 20 11:53:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 343567   | 48.796  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 1307832  | 48.898  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.292  | 162  | 993125   | 47.674  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 307234   | 49.753  | ng    | 97       |
| 49) Acenaphthylene            | 9.710  | 152  | 1556115  | 52.284  | ng    | 99       |
| 50) Dimethylphthalate         | 9.575  | 163  | 1175159  | 50.827  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 262419   | 48.807  | ng    | 98       |
| 52) Acenaphthene              | 9.880  | 154  | 1156442  | 55.615  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.798  | 138  | 168091   | 30.765  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 302461   | 118.351 | ng    | 95       |
| 55) Dibenzofuran              | 10.057 | 168  | 1411446  | 49.904  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.963  | 139  | 438271   | 102.422 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 360521   | 52.030  | ng    | 98       |
| 58) Fluorene                  | 10.398 | 166  | 1090049  | 49.608  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 310641   | 53.078  | ng    | 99       |
| 60) Diethylphthalate          | 10.275 | 149  | 1124632  | 49.825  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.392 | 204  | 532472   | 49.720  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.416 | 138  | 270549   | 50.592  | ng    | 97       |
| 63) Azobenzene                | 10.551 | 77   | 1101677  | 49.464  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 207237   | 61.313  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 965203   | 51.303  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 351736   | 52.377  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.945 | 284  | 398155   | 53.261  | ng    | 97       |
| 69) Atrazine                  | 11.039 | 200  | 336972   | 66.520  | ng    | 99       |
| 70) Pentachlorophenol         | 11.139 | 266  | 497336   | 103.886 | ng    | 100      |
| 71) Phenanthrene              | 11.357 | 178  | 1648617  | 52.646  | ng    | 100      |
| 72) Anthracene                | 11.410 | 178  | 1675540  | 55.028  | ng    | 100      |
| 73) Carbazole                 | 11.563 | 167  | 1467093  | 52.547  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1700136  | 53.209  | ng    | 100      |
| 75) Fluoranthene              | 12.545 | 202  | 1706417  | 54.606  | ng    | 99       |
| 77) Benzidine                 | 12.669 | 184  | 310503   | 43.171  | ng    | 99       |
| 78) Pyrene                    | 12.774 | 202  | 1753273  | 47.329  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 670710   | 54.305  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 1341144  | 50.810  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 238344   | 28.358  | ng    | 99       |
| 83) Chrysene                  | 14.004 | 228  | 1194661  | 48.371  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 826160   | 55.749  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 1204958  | 53.845  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.886 | 276  | 1217843  | 49.610  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 1076009  | 49.800  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 1043658  | 57.158  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.374 | 252  | 988532   | 55.453  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.904 | 278  | 974928   | 49.103  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.321 | 276  | 931749   | 45.117  | ng    | 99       |

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

Quant Time: Jan 20 11:53:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

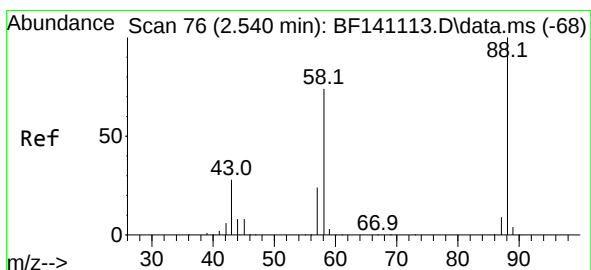
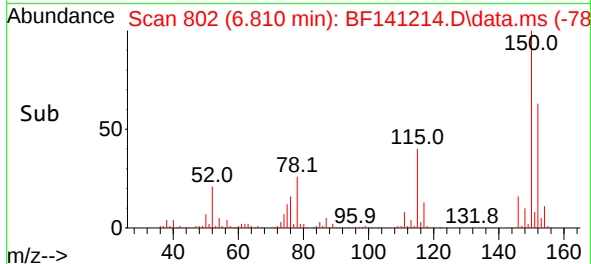
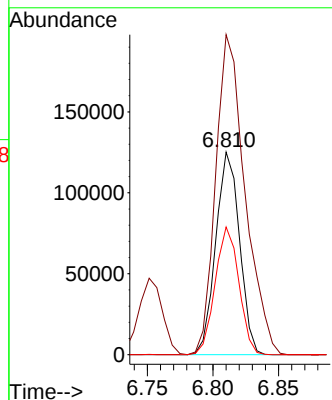
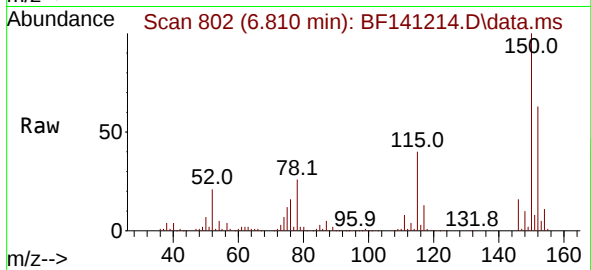




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.810 min Scan# 80  
 Delta R.T. -0.012 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

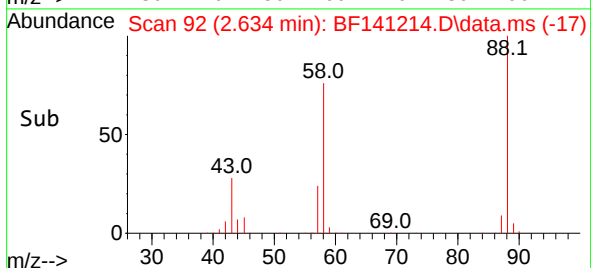
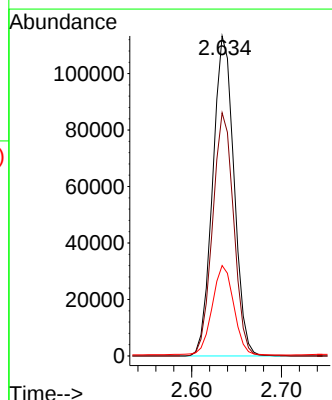
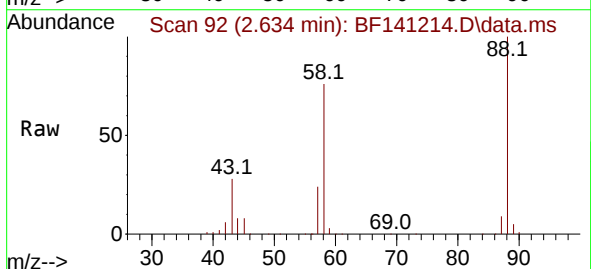
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166115BS

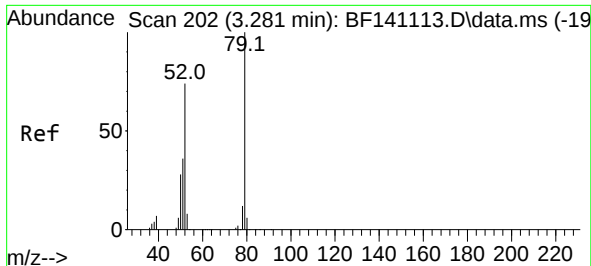
Tgt Ion:152 Resp: 157680  
 Ion Ratio Lower Upper  
 152 100  
 150 158.0 125.8 188.8  
 115 63.0 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 40.999 ng  
 RT: 2.634 min Scan# 92  
 Delta R.T. 0.094 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

Tgt Ion: 88 Resp: 186357  
 Ion Ratio Lower Upper  
 88 100  
 58 75.5 60.1 90.1  
 43 28.5 23.1 34.7

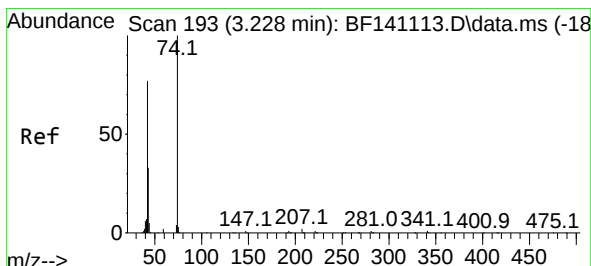
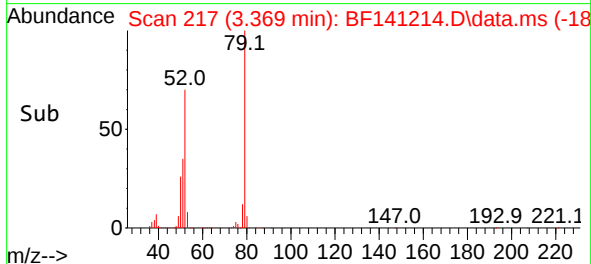
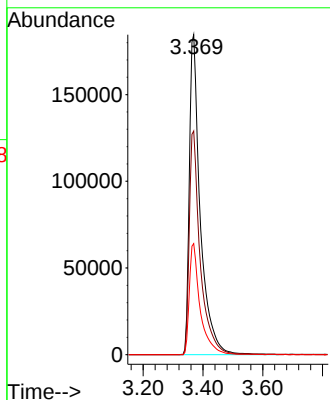
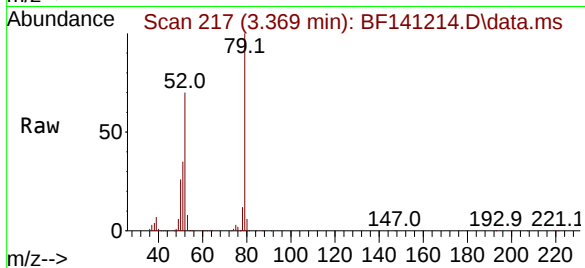




#3  
Pyridine  
Concen: 42.015 ng  
RT: 3.369 min Scan# 217  
Delta R.T. 0.088 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

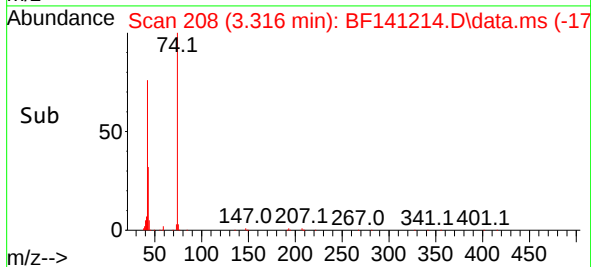
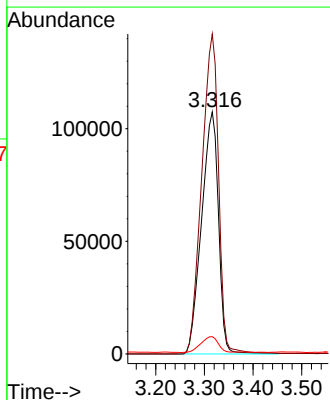
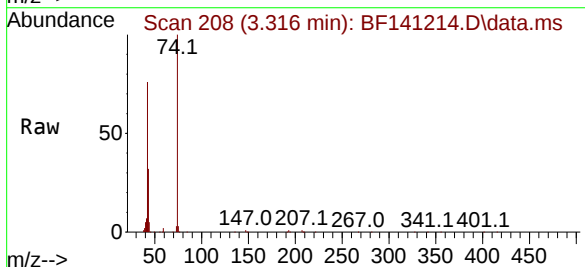
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

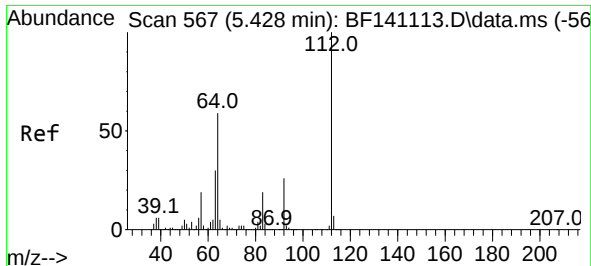
Tgt Ion: 79 Resp: 468320  
Ion Ratio Lower Upper  
79 100  
52 69.9 58.9 88.3  
51 34.7 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 47.512 ng  
RT: 3.316 min Scan# 208  
Delta R.T. 0.088 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 42 Resp: 258949  
Ion Ratio Lower Upper  
42 100  
74 132.2 103.8 155.6  
44 7.2 5.3 7.9

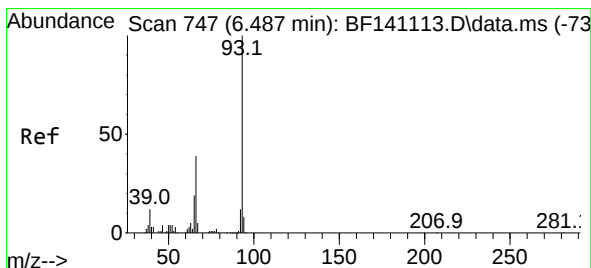
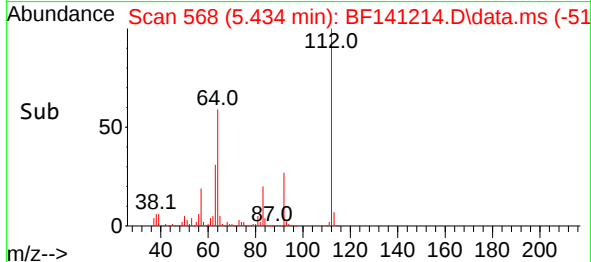
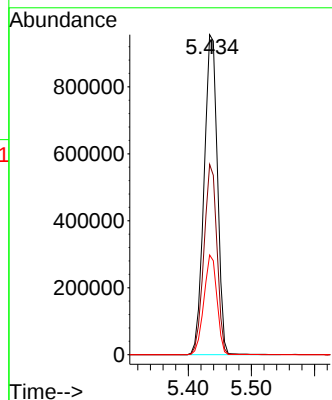
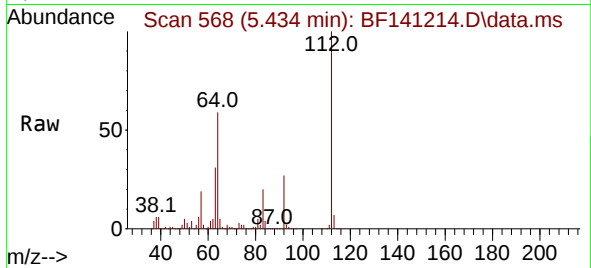




#5  
2-Fluorophenol  
Concen: 137.394 ng  
RT: 5.434 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

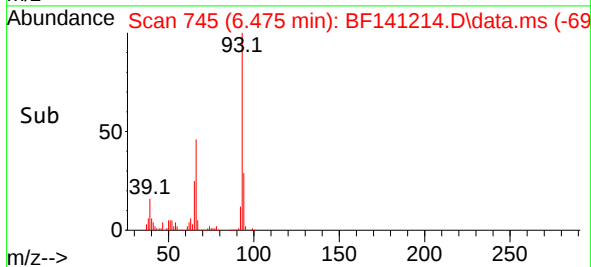
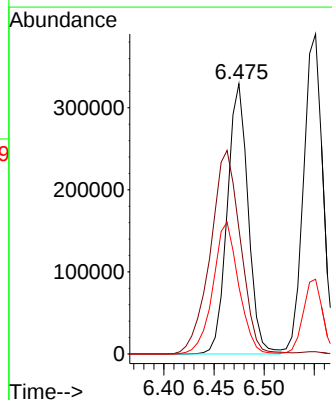
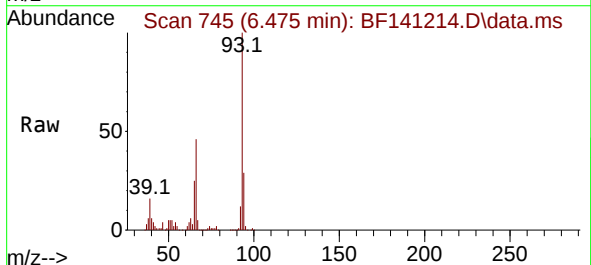
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

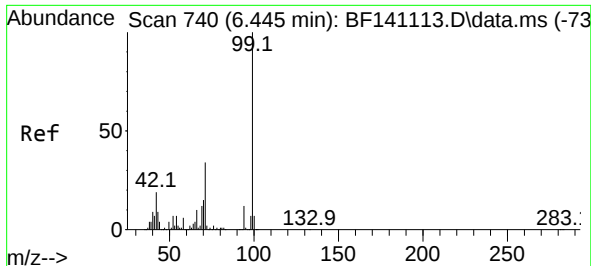
Tgt Ion:112 Resp: 1402403  
Ion Ratio Lower Upper  
112 100  
64 59.4 47.3 70.9  
63 31.2 24.2 36.2



#6  
Aniline  
Concen: 41.428 ng  
RT: 6.475 min Scan# 745  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

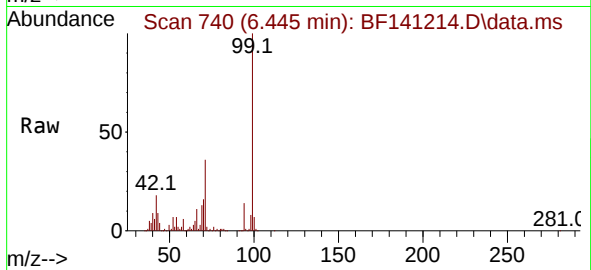
Tgt Ion: 93 Resp: 475561  
Ion Ratio Lower Upper  
93 100  
66 46.3 31.5 47.3  
65 24.8 15.3 22.9#





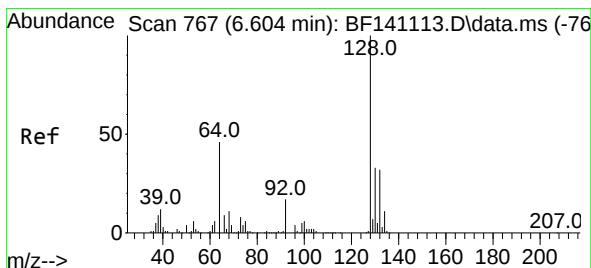
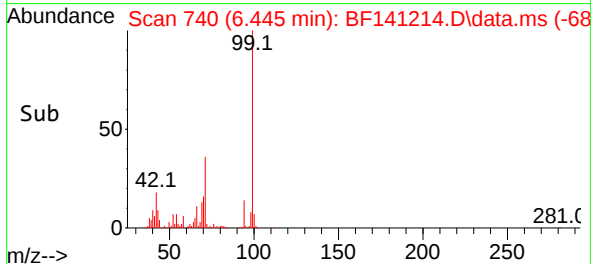
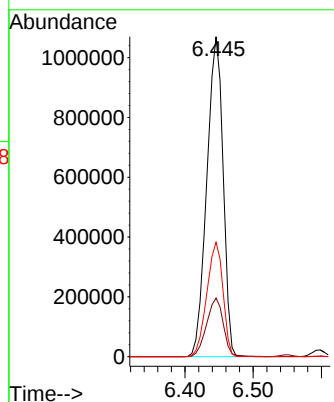
#7  
Phenol-d6  
Concen: 137.468 ng  
RT: 6.445 min Scan# 740  
Delta R.T. -0.000 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS



Tgt Ion: 99 Resp: 1777387

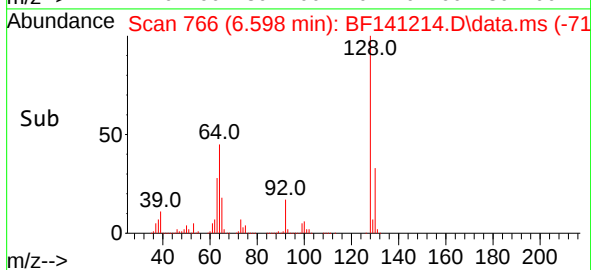
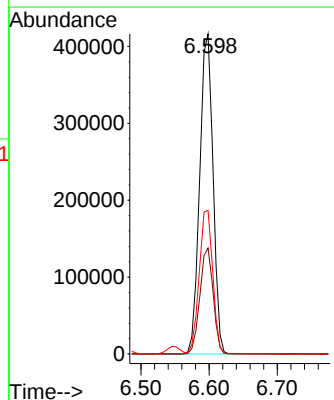
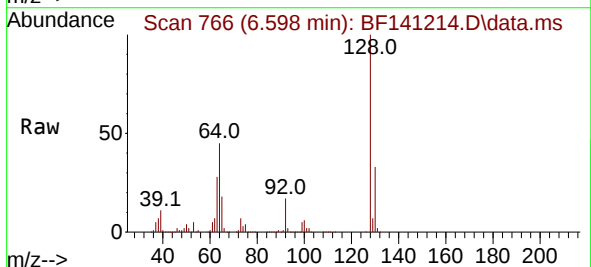
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.3  | 15.0  | 22.4  |
| 71  | 35.8  | 27.6  | 41.4  |

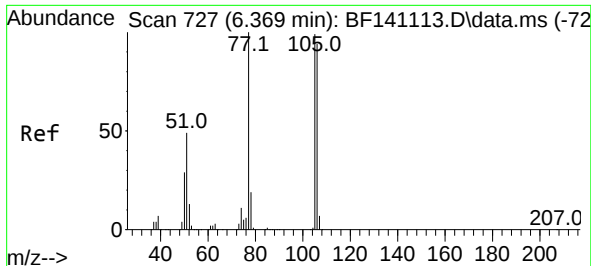


#8  
2-Chlorophenol  
Concen: 51.635 ng  
RT: 6.598 min Scan# 766  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 128 Resp: 565450

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.1  | 12.5  | 52.5  |
| 64  | 44.9  | 28.3  | 68.3  |

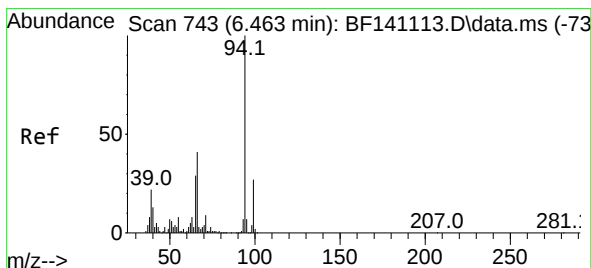
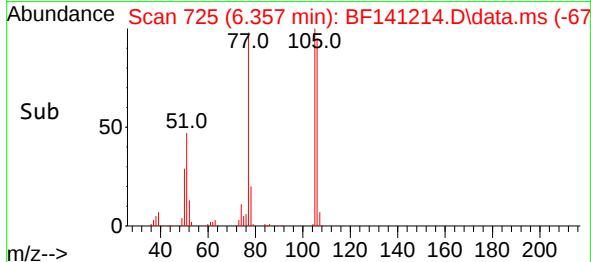
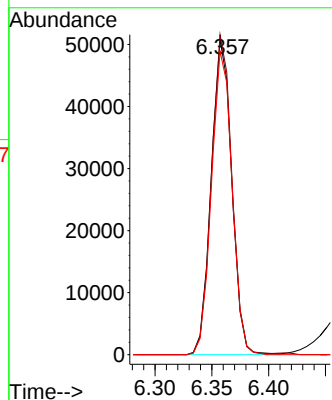
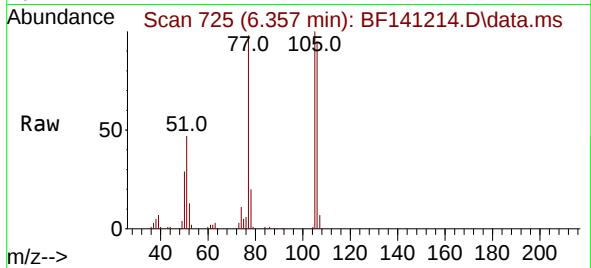




#9  
Benzaldehyde  
Concen: 8.379 ng  
RT: 6.357 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

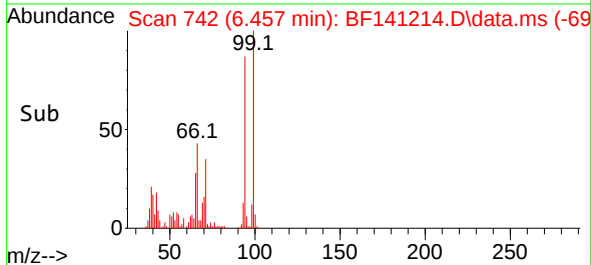
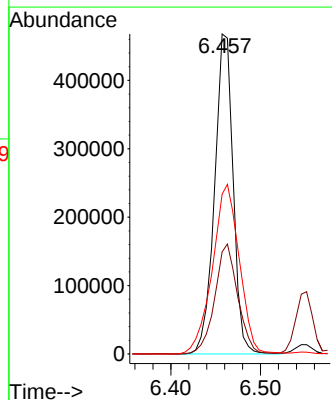
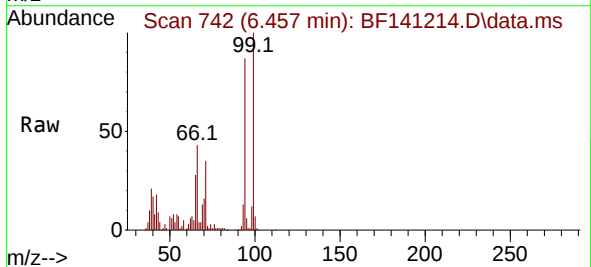
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

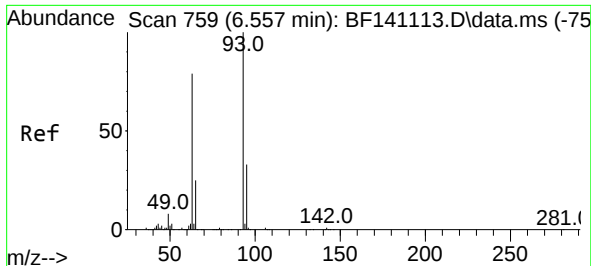
Tgt Ion: 77 Resp: 63807  
Ion Ratio Lower Upper  
77 100  
105 101.5 78.9 118.9  
106 96.3 73.6 113.6



#10  
Phenol  
Concen: 48.671 ng  
RT: 6.457 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 94 Resp: 673629  
Ion Ratio Lower Upper  
94 100  
65 31.9 8.9 48.9  
66 49.9 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 49.758 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

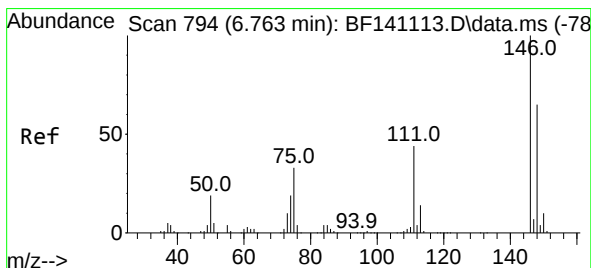
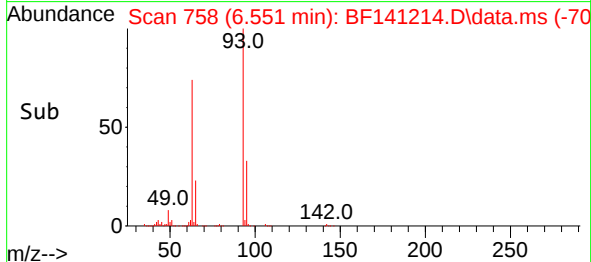
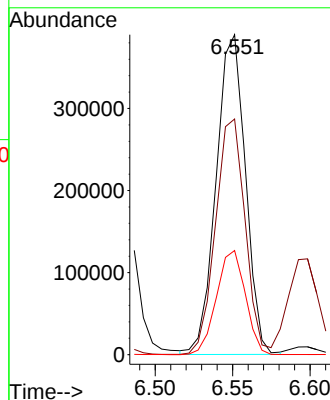
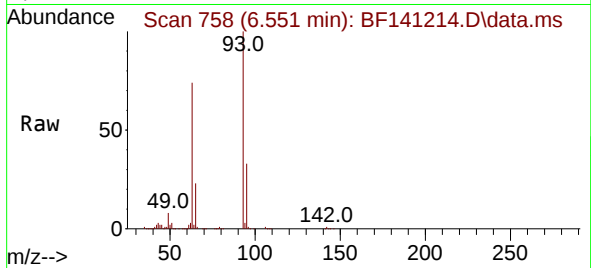
Tgt Ion: 93 Resp: 513237

Ion Ratio Lower Upper

93 100

63 73.7 58.0 98.0

95 32.5 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 47.778 ng

RT: 6.751 min Scan# 792

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

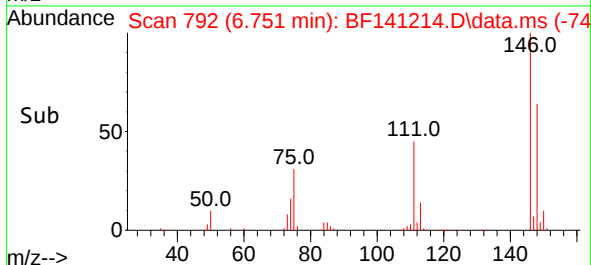
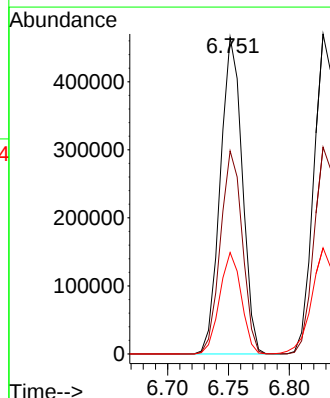
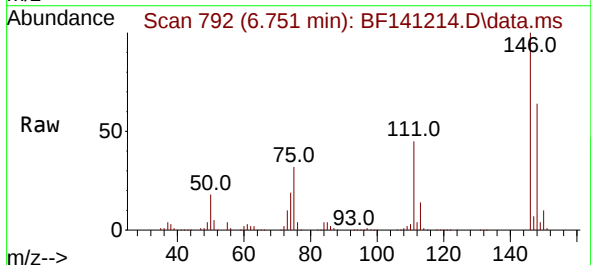
Tgt Ion:146 Resp: 583547

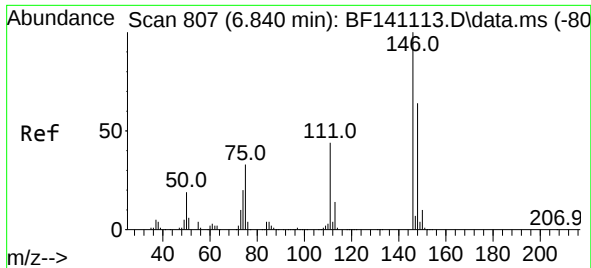
Ion Ratio Lower Upper

146 100

148 64.1 51.6 77.4

75 32.0 26.2 39.2

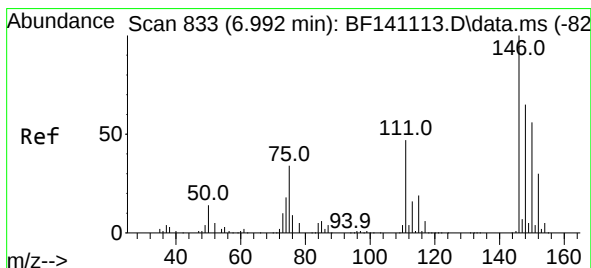
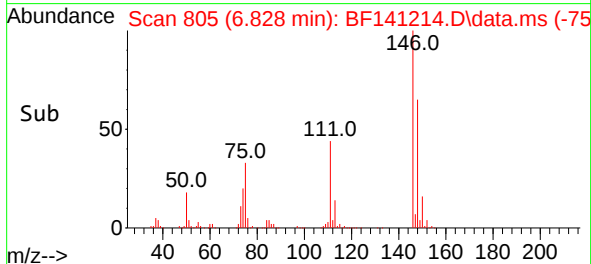
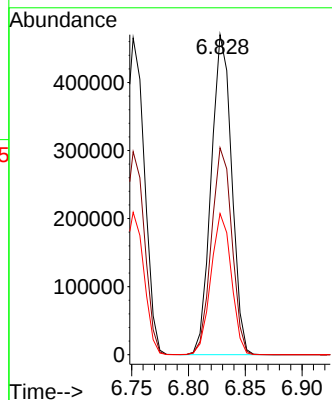
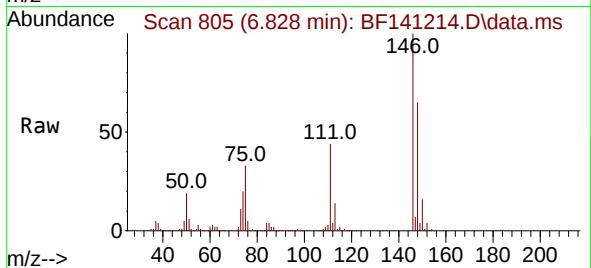




#13  
1,4-Dichlorobenzene  
Concen: 47.954 ng  
RT: 6.828 min Scan# 807  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

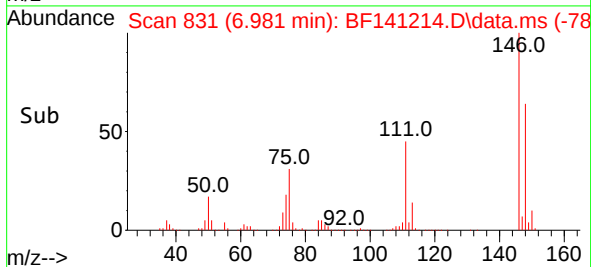
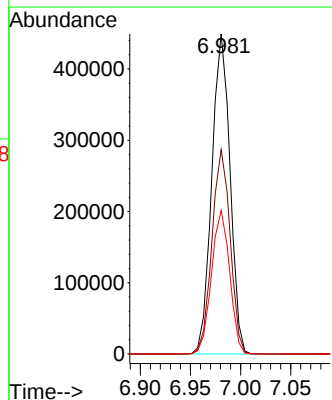
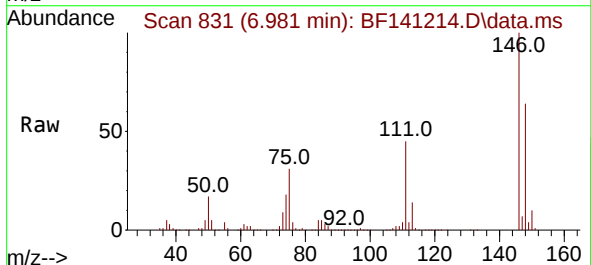
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

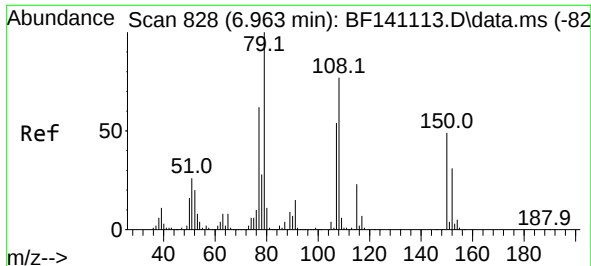
Tgt Ion:146 Resp: 590214  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.0 76.6  
111 44.1 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 49.501 ng  
RT: 6.981 min Scan# 831  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:146 Resp: 568313  
Ion Ratio Lower Upper  
146 100  
148 63.9 52.2 78.4  
111 44.8 37.5 56.3

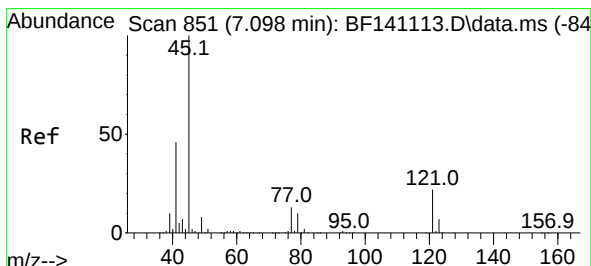
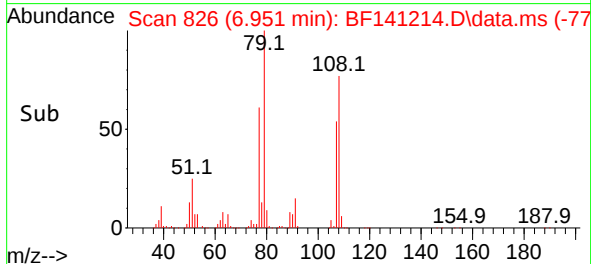
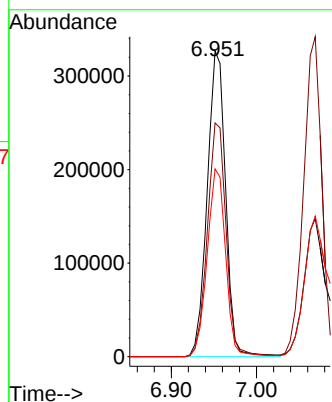
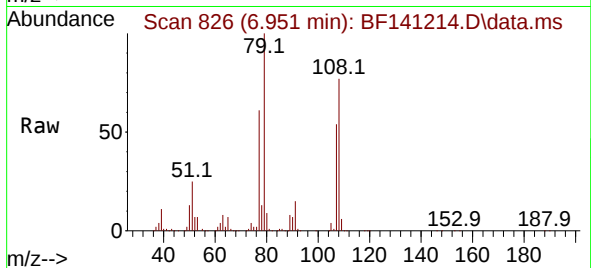




#15  
Benzyl Alcohol  
Concen: 52.460 ng  
RT: 6.951 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

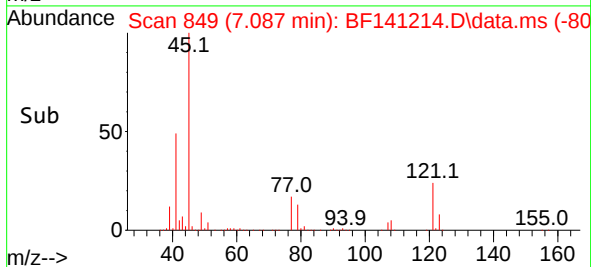
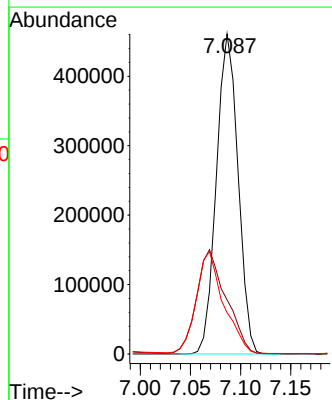
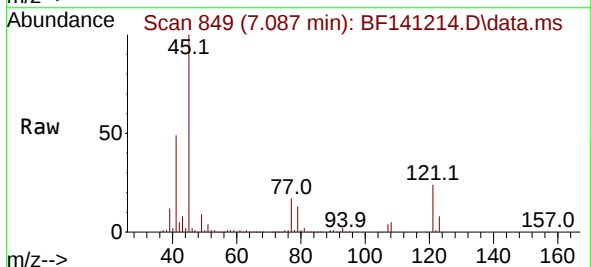
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

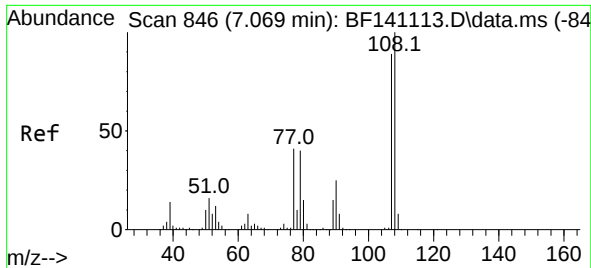
Tgt Ion: 79 Resp: 489834  
Ion Ratio Lower Upper  
79 100  
108 76.5 61.4 92.0  
77 61.5 49.8 74.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.981 ng  
RT: 7.087 min Scan# 849  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 45 Resp: 690609  
Ion Ratio Lower Upper  
45 100  
77 16.9 0.0 34.1  
79 12.9 0.0 31.0

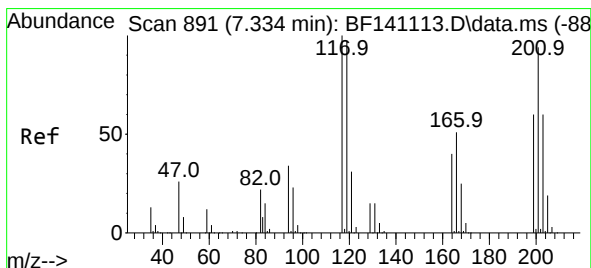
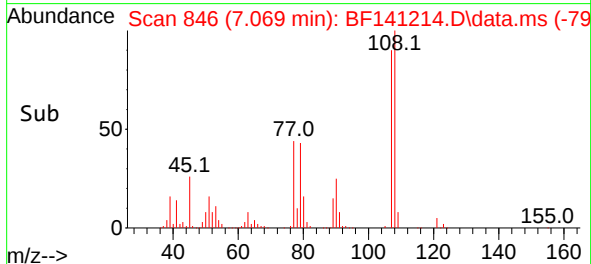
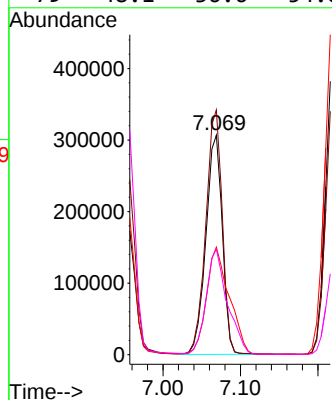
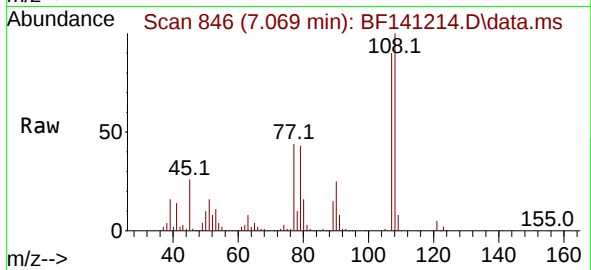




#17  
2-Methylphenol  
Concen: 51.011 ng  
RT: 7.069 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

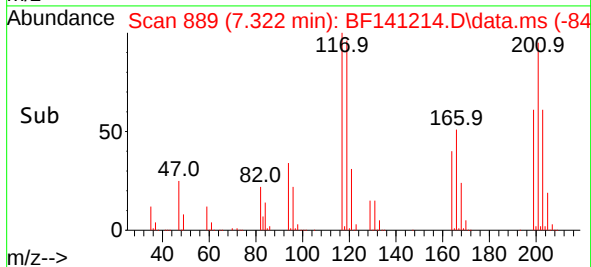
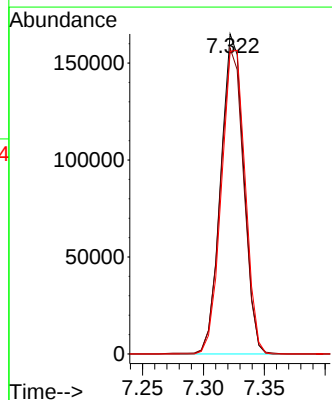
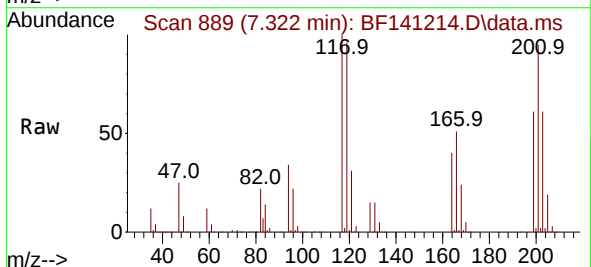
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

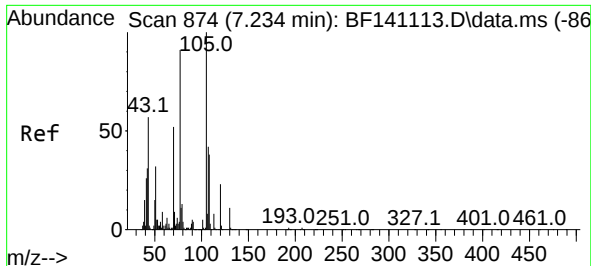
Tgt Ion:107 Resp: 450994  
Ion Ratio Lower Upper  
107 100  
108 111.5 90.1 135.1  
77 49.0 36.6 55.0  
79 48.1 36.6 54.8



#18  
Hexachloroethane  
Concen: 48.685 ng  
RT: 7.322 min Scan# 889  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:117 Resp: 216691  
Ion Ratio Lower Upper  
117 100  
119 95.6 77.6 116.4  
201 94.5 75.1 112.7

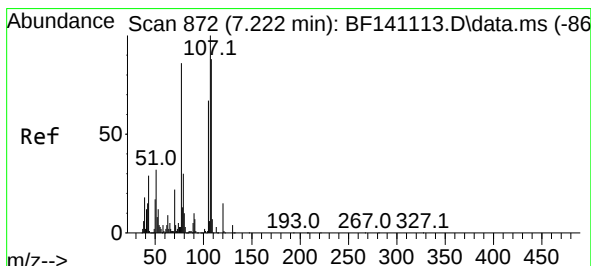
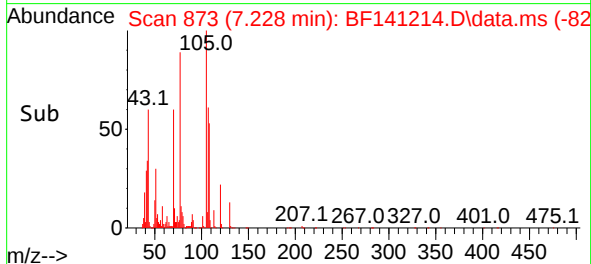
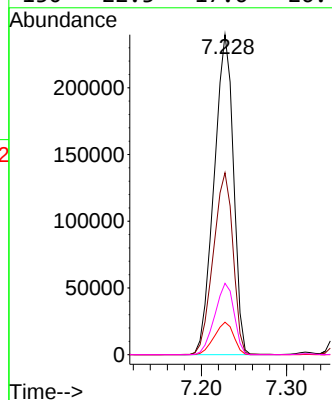
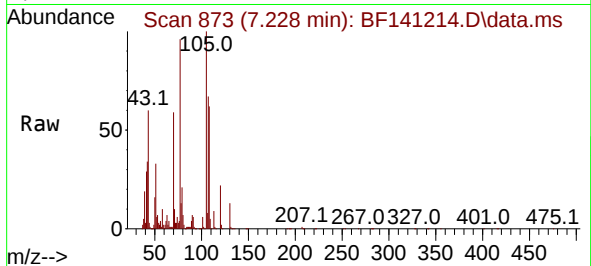




#19  
n-Nitroso-di-n-propylamine  
Concen: 49.708 ng  
RT: 7.228 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

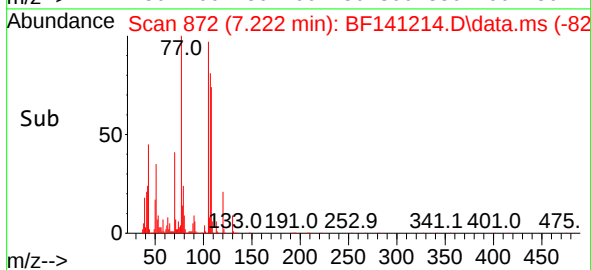
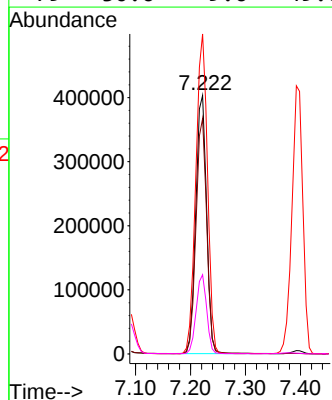
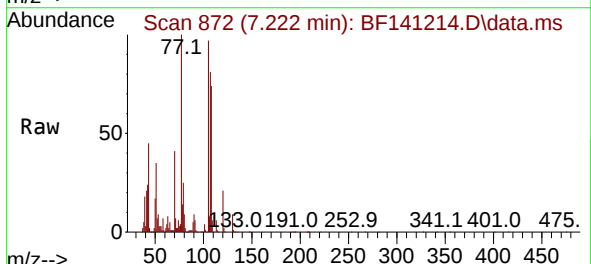
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

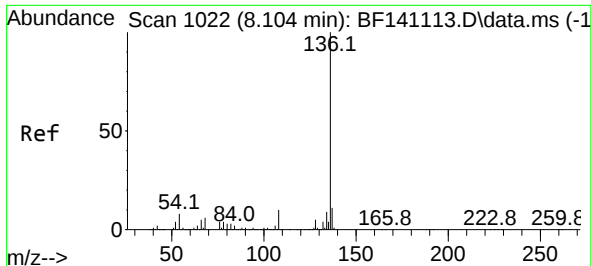
Tgt Ion: 70 Resp: 378590  
Ion Ratio Lower Upper  
70 100  
42 56.8 47.8 71.6  
101 10.1 7.9 11.9  
130 22.3 17.6 26.4



#20  
3+4-Methylphenols  
Concen: 49.206 ng  
RT: 7.222 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 107 Resp: 548850  
Ion Ratio Lower Upper  
107 100  
108 91.0 68.3 108.3  
77 123.7 66.4 106.4#  
79 30.6 9.6 49.6



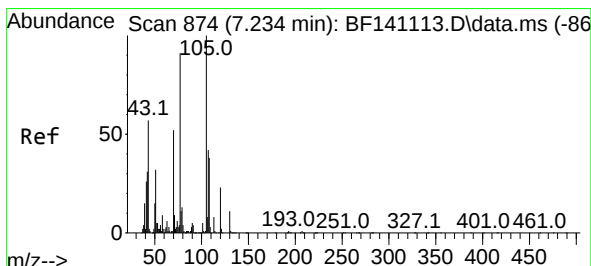
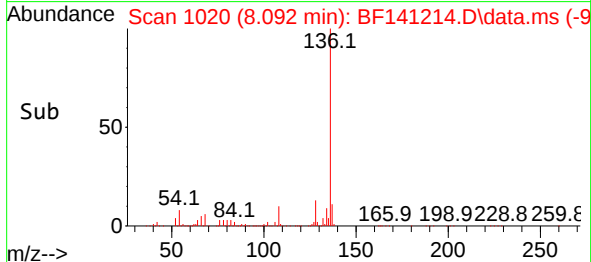
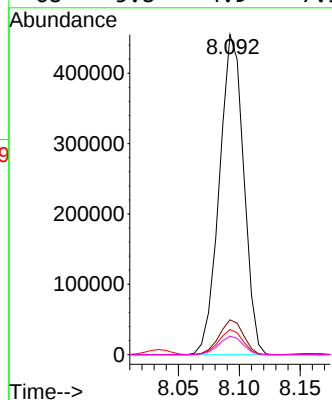
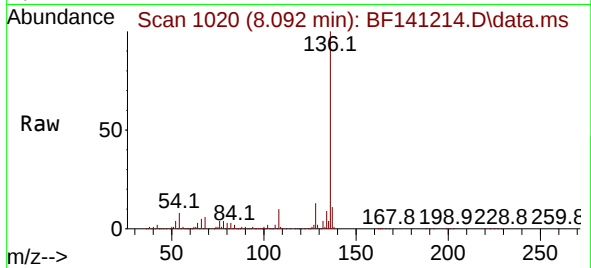


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

Tgt Ion:136 Resp: 632035

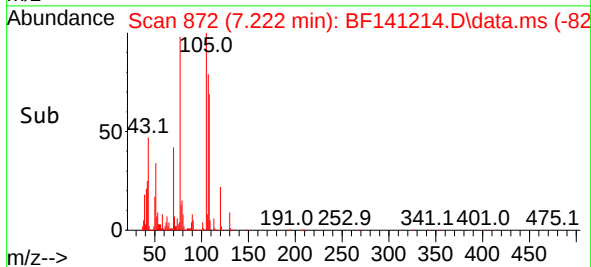
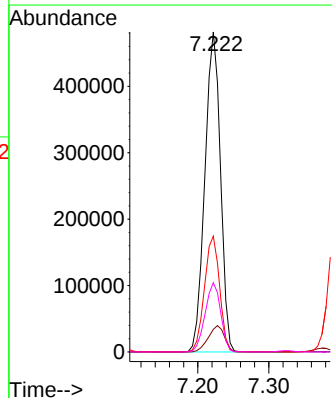
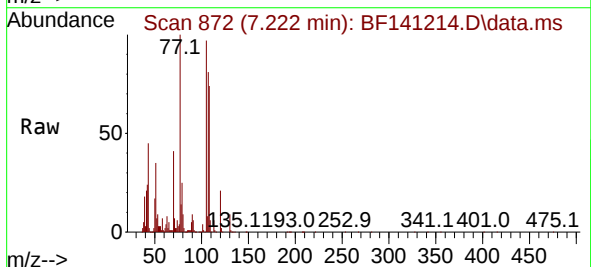
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 7.8   | 6.3   | 9.5   |
| 68  | 5.8   | 4.9   | 7.3   |

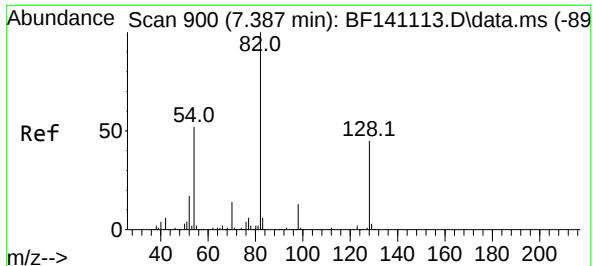


#22  
Acetophenone  
Concen: 48.953 ng  
RT: 7.222 min Scan# 872  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:105 Resp: 735524

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.0   | 7.1   | 10.7# |
| 51  | 36.2  | 25.4  | 38.2  |
| 120 | 21.7  | 18.0  | 27.0  |

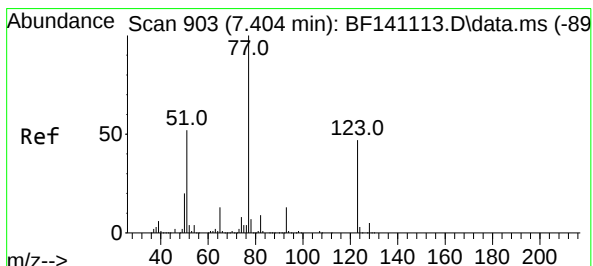
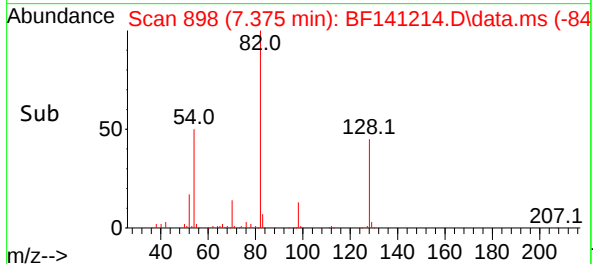
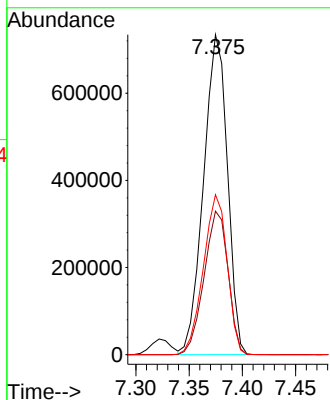
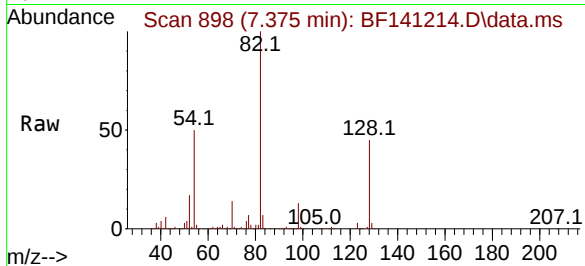




#23  
Nitrobenzene-d5  
Concen: 95.840 ng  
RT: 7.375 min Scan# 89  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

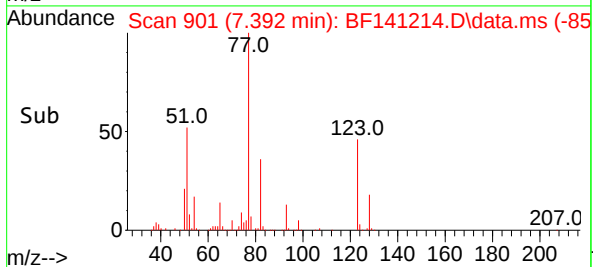
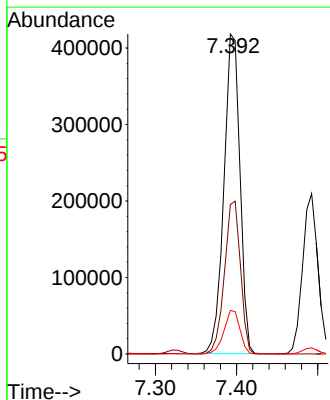
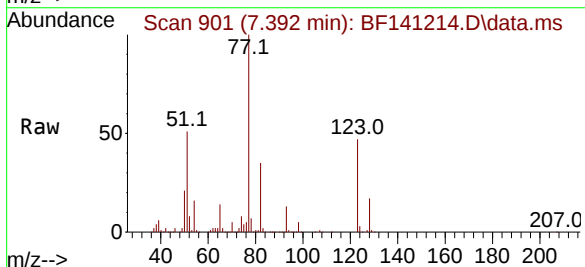
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

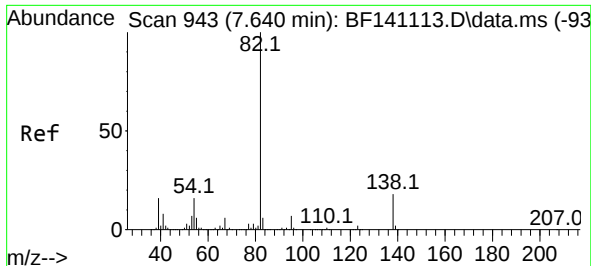
Tgt Ion: 82 Resp: 1142730  
Ion Ratio Lower Upper  
82 100  
128 44.9 36.1 54.1  
54 50.0 41.0 61.4



#24  
Nitrobenzene  
Concen: 46.314 ng  
RT: 7.392 min Scan# 901  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 77 Resp: 575528  
Ion Ratio Lower Upper  
77 100  
123 46.7 37.7 56.5  
65 13.6 10.6 16.0

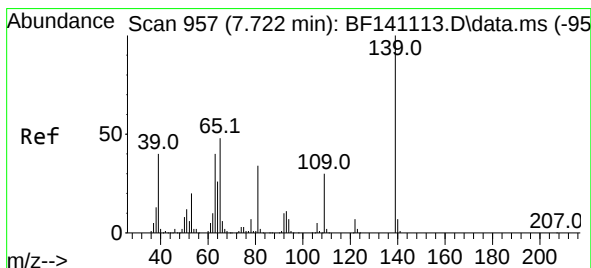
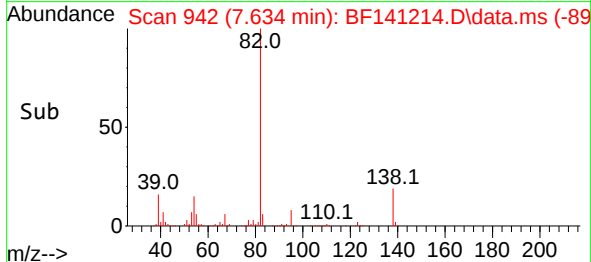
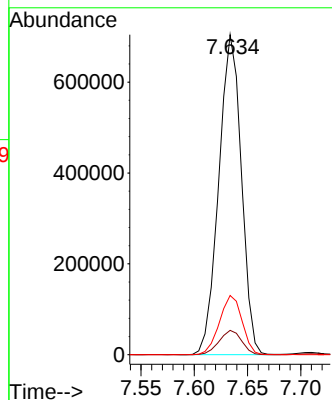
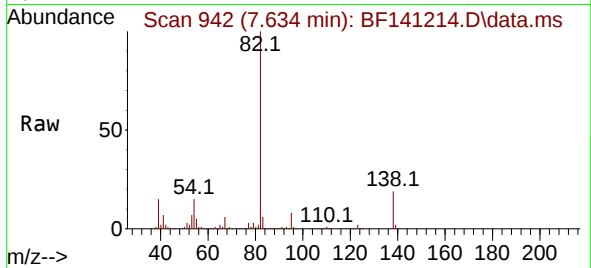




#25  
Isophorone  
Concen: 50.803 ng  
RT: 7.634 min Scan# 943  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

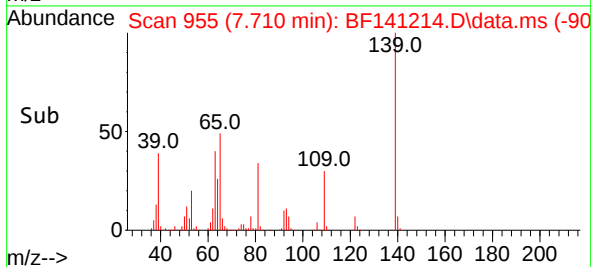
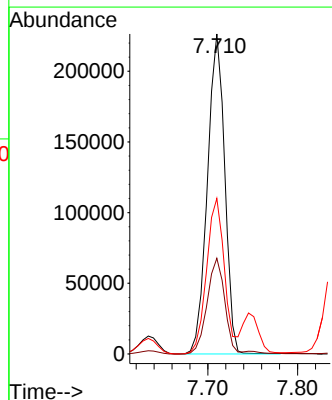
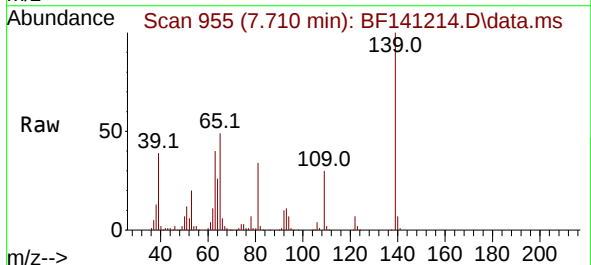
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

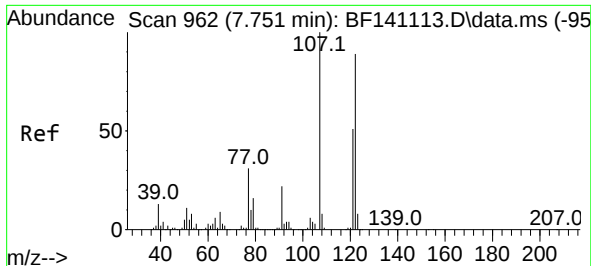
Tgt Ion: 82 Resp: 1035184  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.9 8.9  
138 18.5 14.2 21.2



#26  
2-Nitrophenol  
Concen: 53.751 ng  
RT: 7.710 min Scan# 955  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion: 139 Resp: 303835  
Ion Ratio Lower Upper  
139 100  
109 29.9 23.8 35.6  
65 48.6 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 59.651 ng

RT: 7.745 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

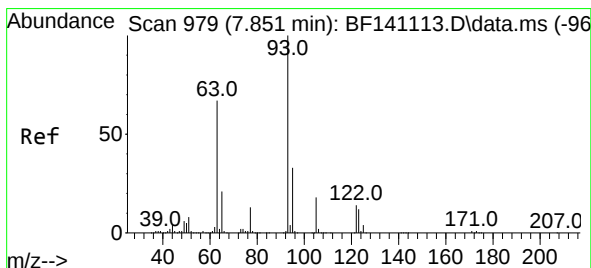
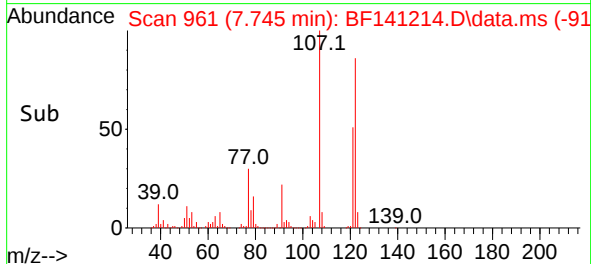
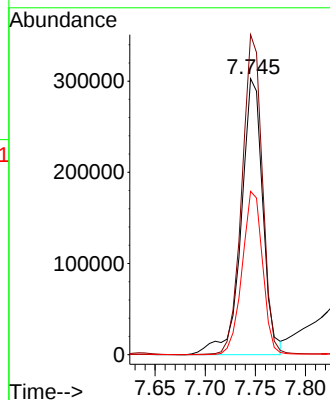
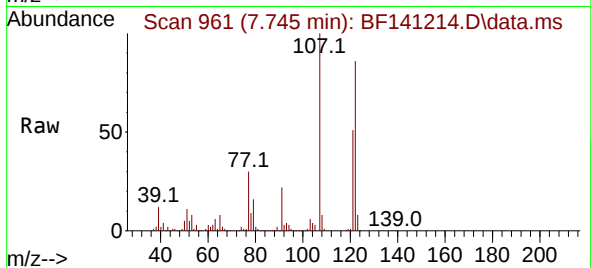
Tgt Ion:122 Resp: 454813

Ion Ratio Lower Upper

122 100

107 115.9 90.3 135.5

121 59.2 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 49.275 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

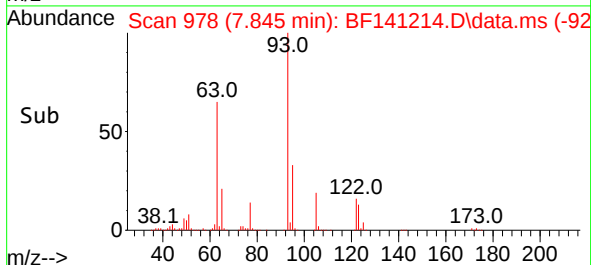
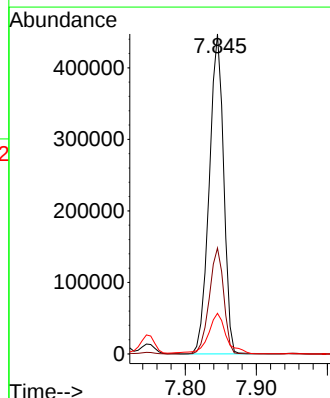
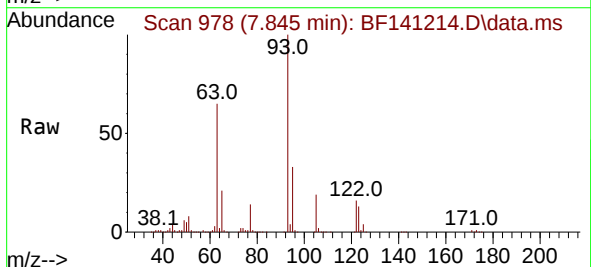
Tgt Ion: 93 Resp: 630120

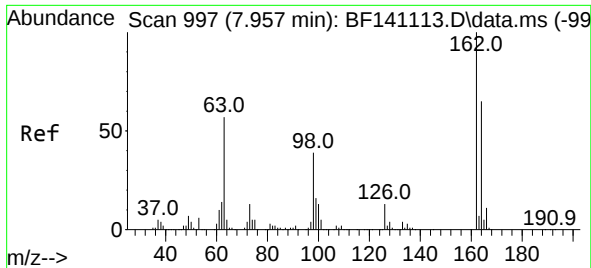
Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

123 12.7 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 51.282 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

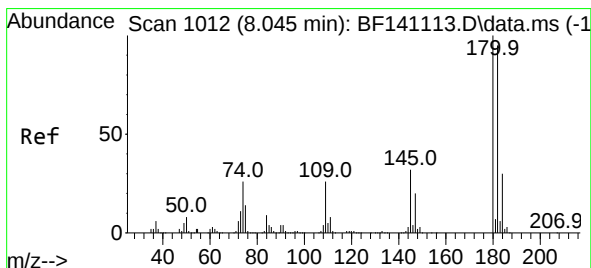
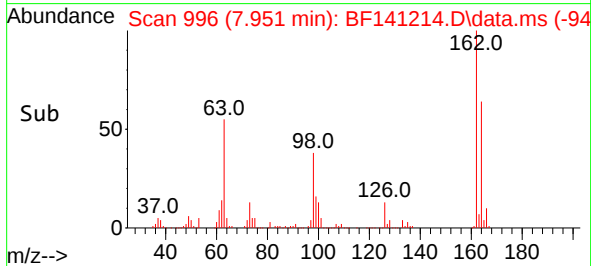
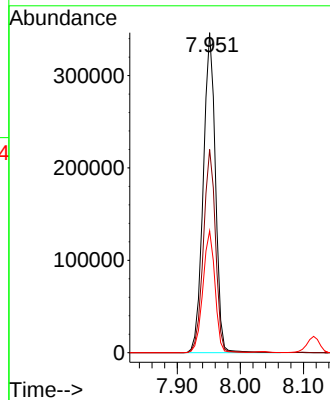
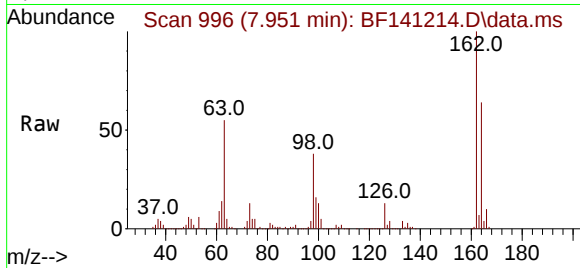
Tgt Ion:162 Resp: 464384

Ion Ratio Lower Upper

162 100

164 63.5 44.5 84.5

98 38.1 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 46.955 ng

RT: 8.034 min Scan# 1010

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

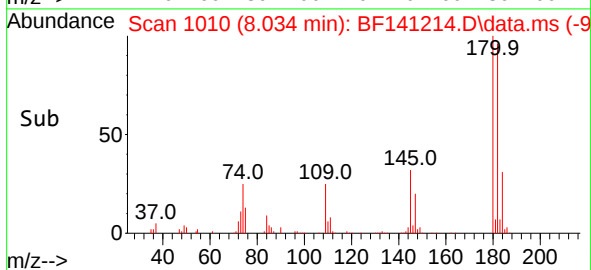
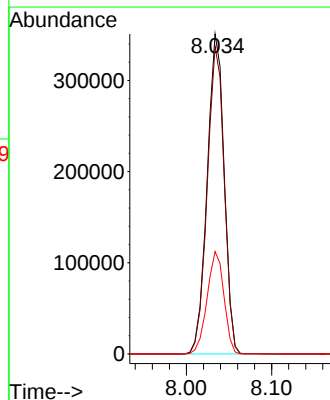
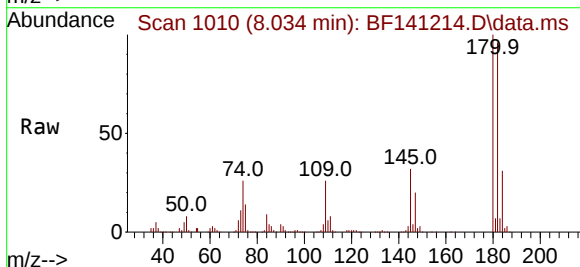
Tgt Ion:180 Resp: 486020

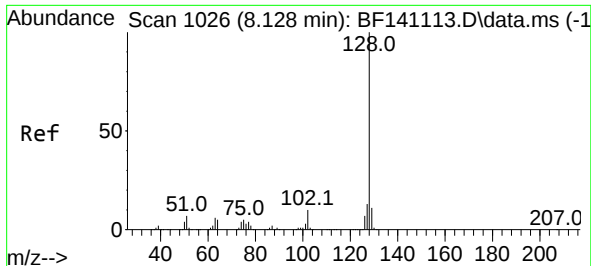
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.2

145 32.0 25.3 37.9

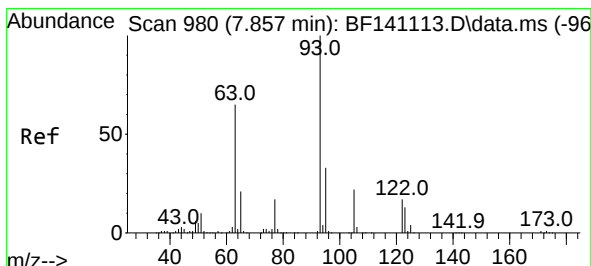
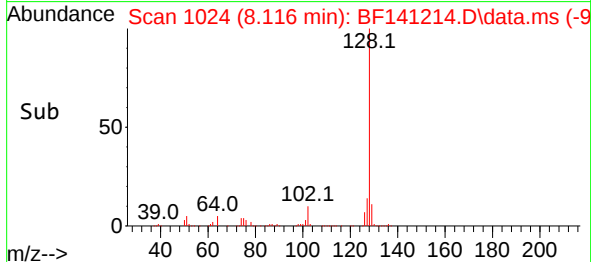
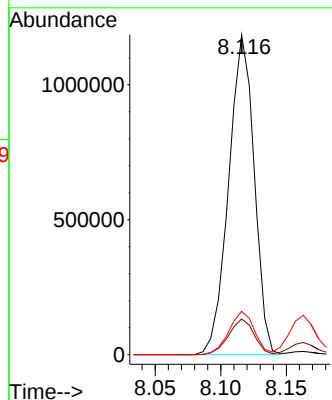
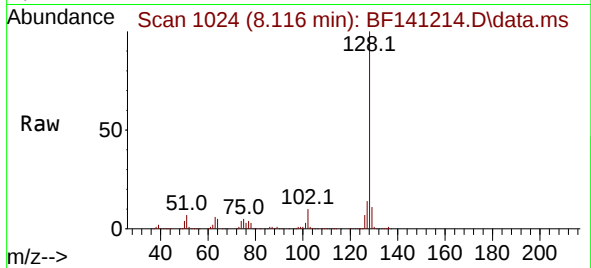




#31  
Naphthalene  
Concen: 48.173 ng  
RT: 8.116 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

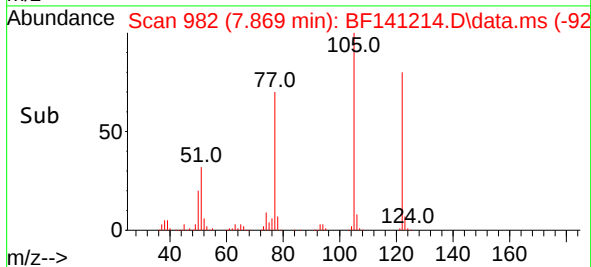
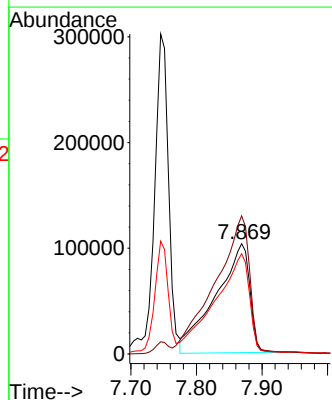
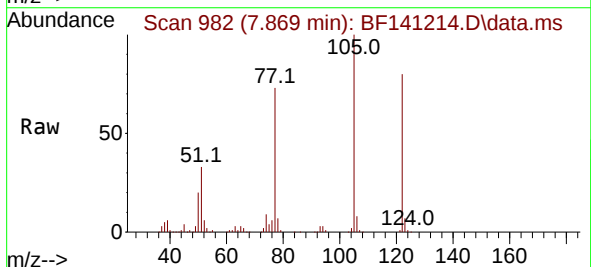
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

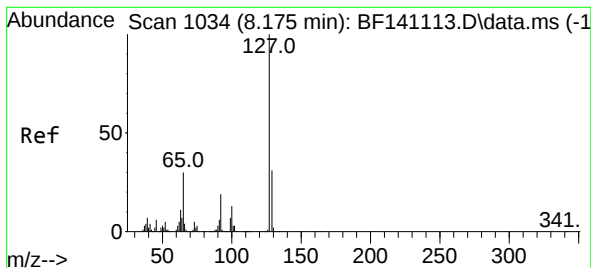
Tgt Ion:128 Resp: 1605635  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.0 13.6  
127 13.5 10.8 16.2



#32  
Benzoic acid  
Concen: 50.714 ng  
RT: 7.869 min Scan# 982  
Delta R.T. 0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:122 Resp: 370926  
Ion Ratio Lower Upper  
122 100  
105 125.3 105.5 145.5  
77 90.8 75.1 115.1





#33

4-Chloroaniline

Concen: 18.983 ng

RT: 8.163 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

Tgt Ion:127 Resp: 218817

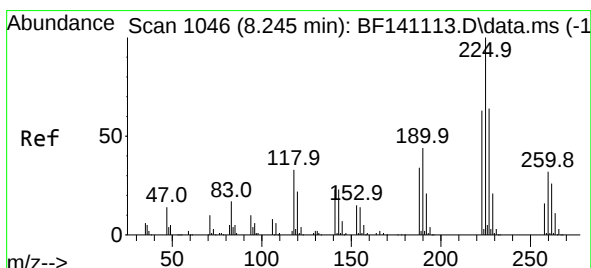
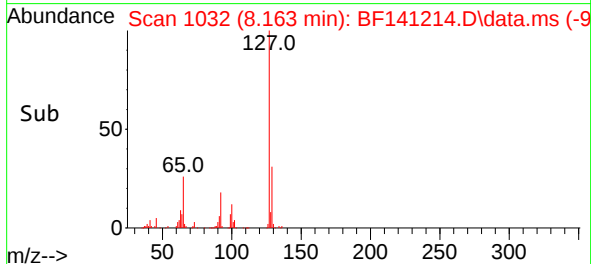
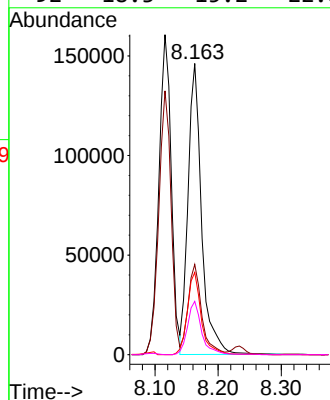
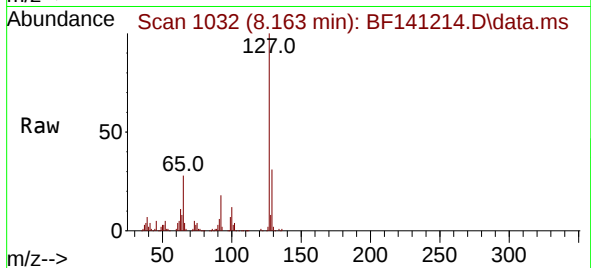
Ion Ratio Lower Upper

127 100

129 31.0 25.9 38.9

65 28.3 23.8 35.8

92 18.3 15.2 22.8



#34

Hexachlorobutadiene

Concen: 48.454 ng

RT: 8.233 min Scan# 1044

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

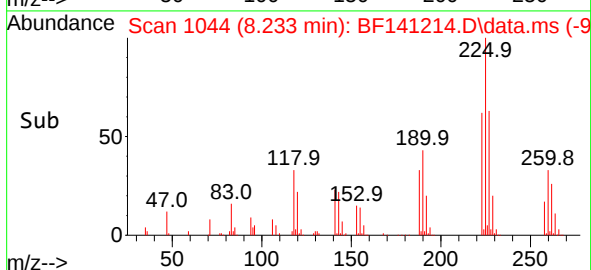
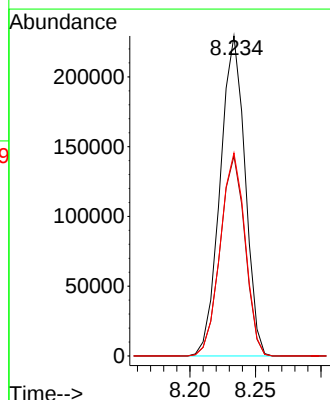
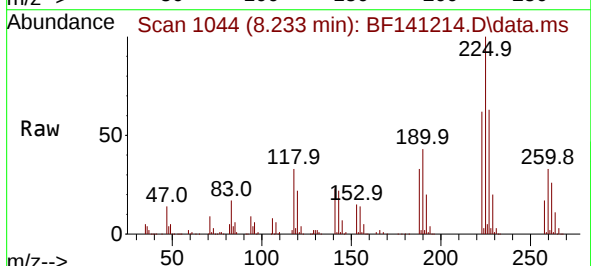
Tgt Ion:225 Resp: 302203

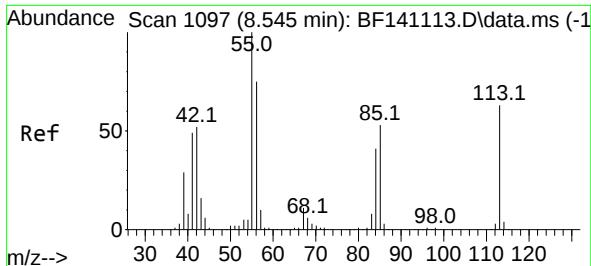
Ion Ratio Lower Upper

225 100

223 62.5 50.6 76.0

227 63.5 51.6 77.4

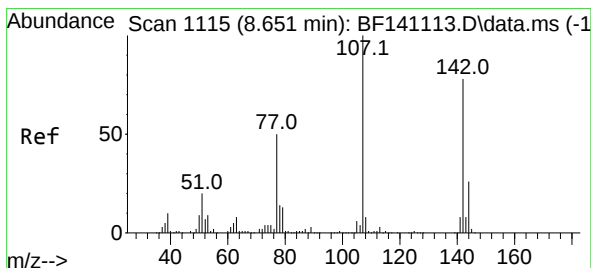
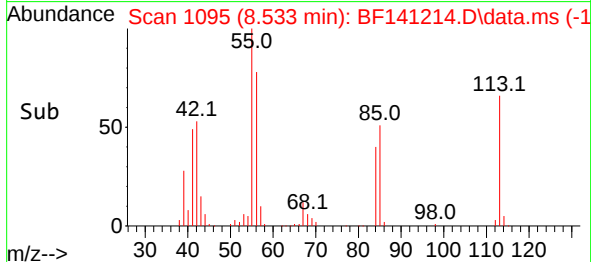
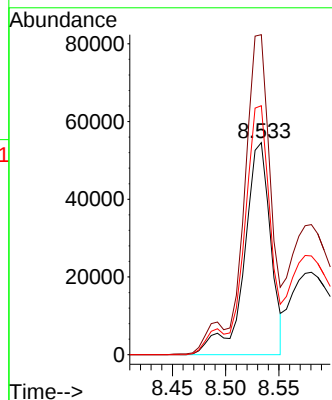
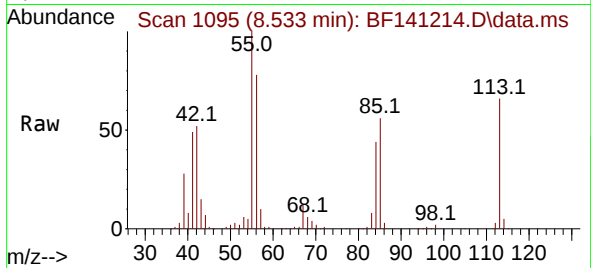




#35  
 Caprolactam  
 Concen: 31.667 ng  
 RT: 8.533 min Scan# 1095  
 Delta R.T. -0.012 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

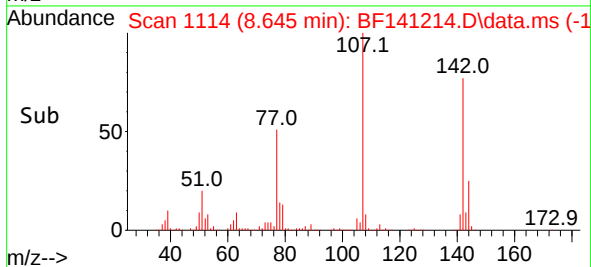
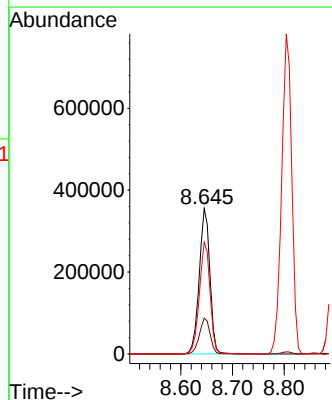
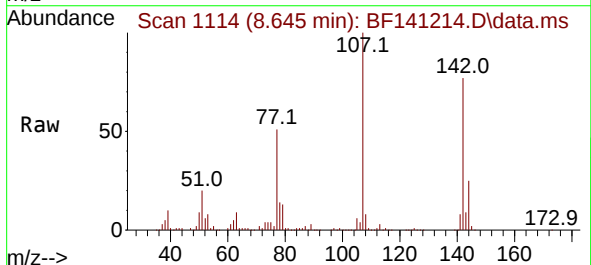
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166115BS

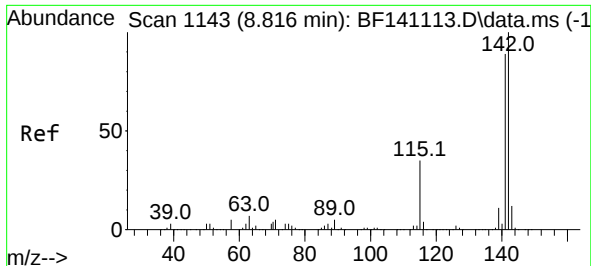
Tgt Ion:113 Resp: 93884  
 Ion Ratio Lower Upper  
 113 100  
 55 150.9 139.7 179.7  
 56 117.4 99.4 139.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 51.450 ng  
 RT: 8.645 min Scan# 1114  
 Delta R.T. -0.006 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

Tgt Ion:107 Resp: 509536  
 Ion Ratio Lower Upper  
 107 100  
 144 24.6 20.4 30.6  
 142 76.9 62.2 93.2

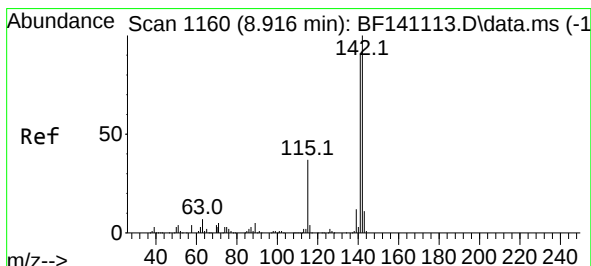
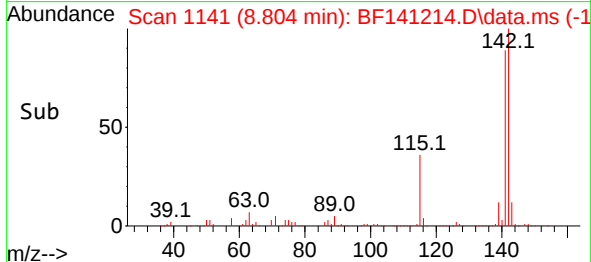
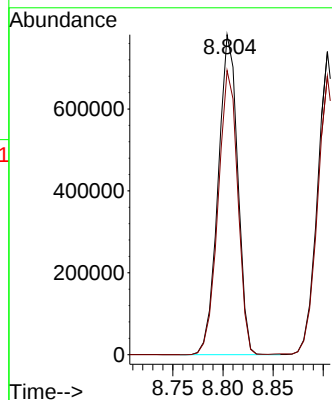
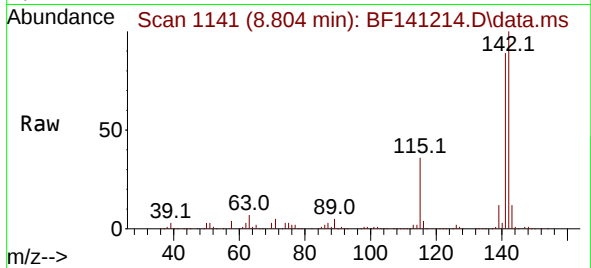




#37  
2-Methylnaphthalene  
Concen: 49.812 ng  
RT: 8.804 min Scan# 1141  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

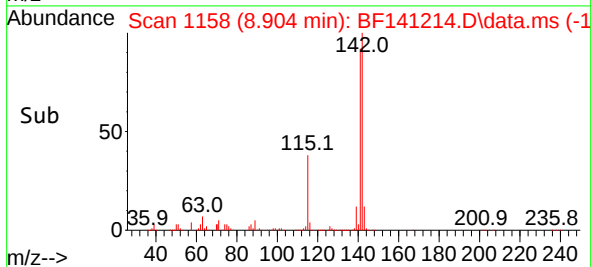
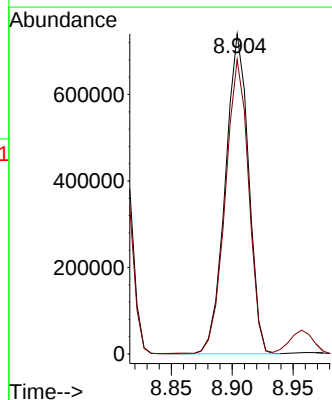
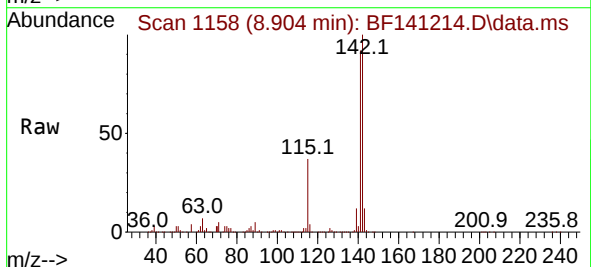
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

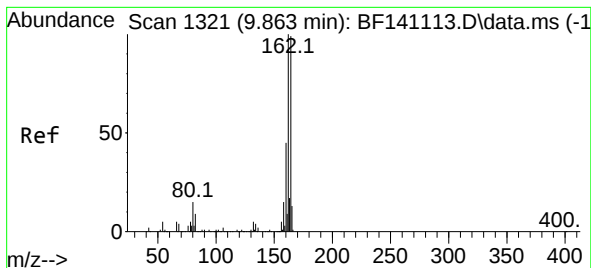
Tgt Ion:142 Resp: 1057984  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.3 106.9



#38  
1-Methylnaphthalene  
Concen: 47.028 ng  
RT: 8.904 min Scan# 1158  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:142 Resp: 984404  
Ion Ratio Lower Upper  
142 100  
141 91.9 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1169

Delta R.T. -0.018 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

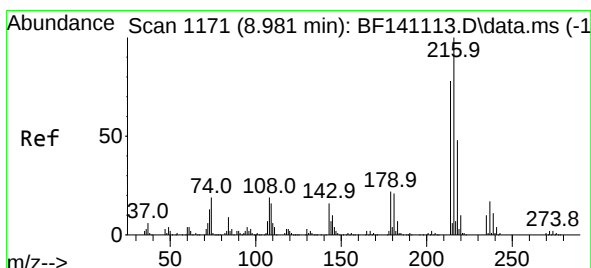
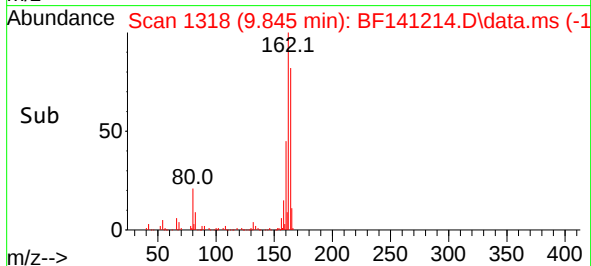
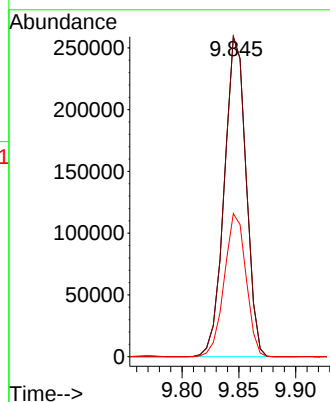
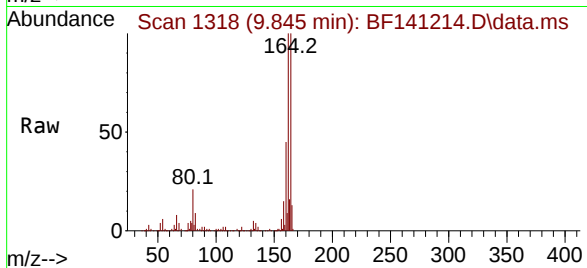
Tgt Ion:164 Resp: 344399

Ion Ratio Lower Upper

164 100

162 100.0 81.0 121.4

160 44.7 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.926 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Tgt Ion:216 Resp: 493514

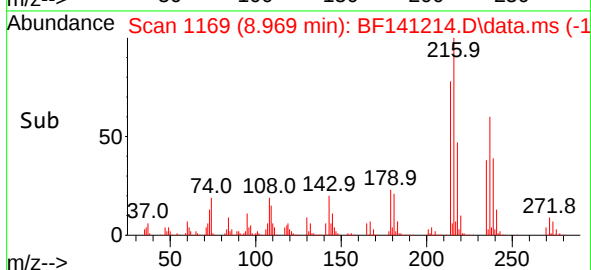
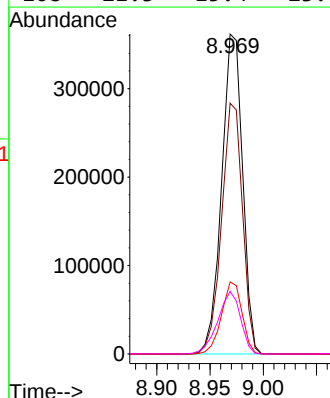
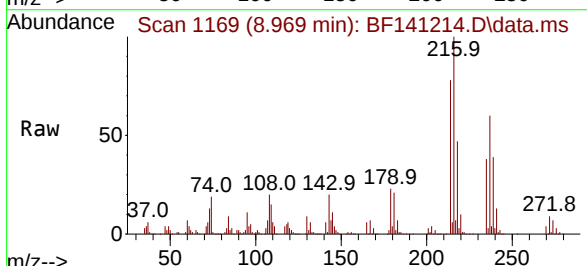
Ion Ratio Lower Upper

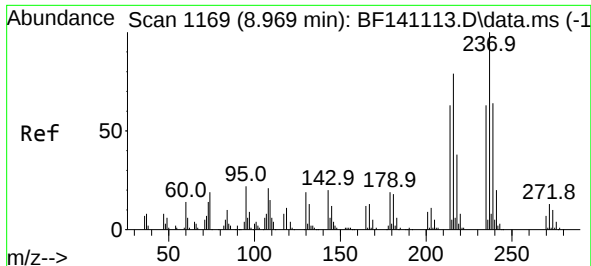
216 100

214 78.2 62.6 94.0

179 22.1 17.7 26.5

108 21.3 15.4 23.0

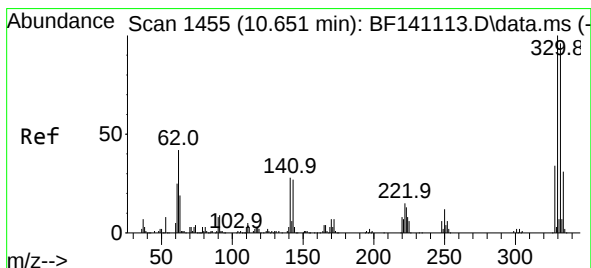
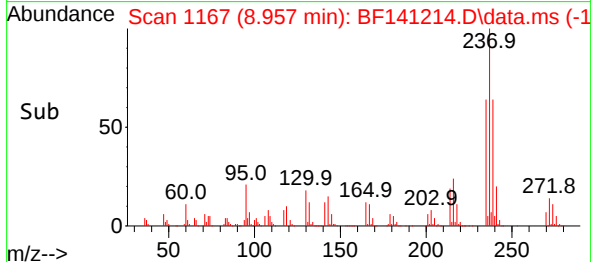
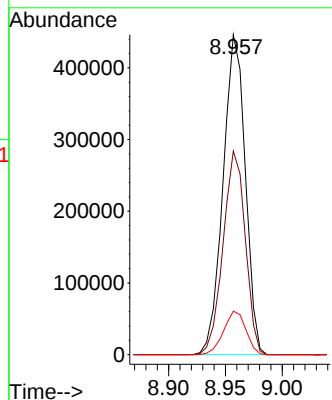
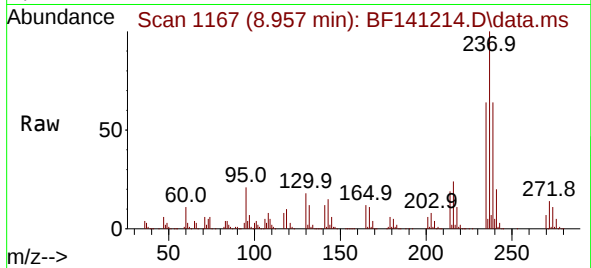




#41  
Hexachlorocyclopentadiene  
Concen: 187.867 ng  
RT: 8.957 min Scan# 1167  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

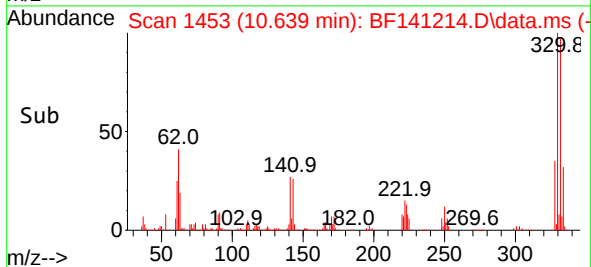
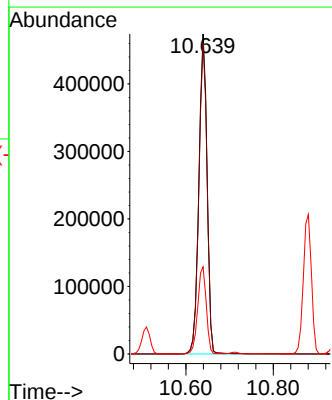
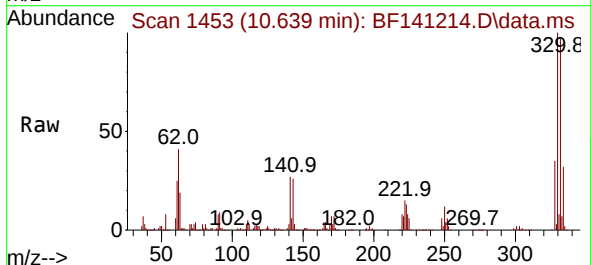
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

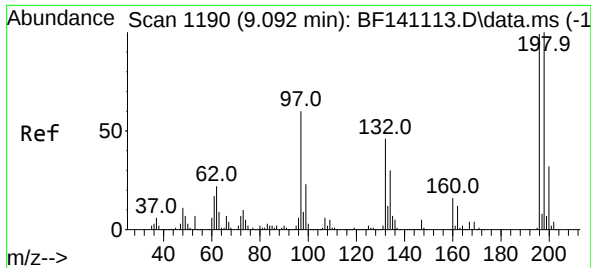
Tgt Ion:237 Resp: 607563  
Ion Ratio Lower Upper  
237 100  
235 63.6 43.0 83.0  
272 13.6 0.0 33.0



#42  
2,4,6-Tribromophenol  
Concen: 158.450 ng  
RT: 10.639 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:330 Resp: 621790  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.9 115.3  
141 28.2 25.2 37.8

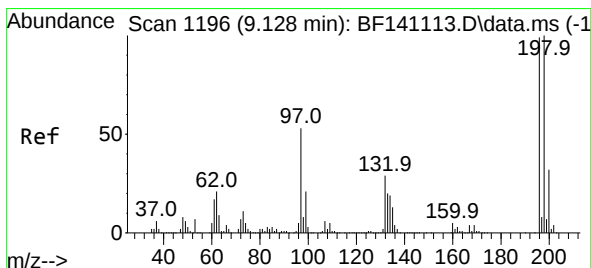
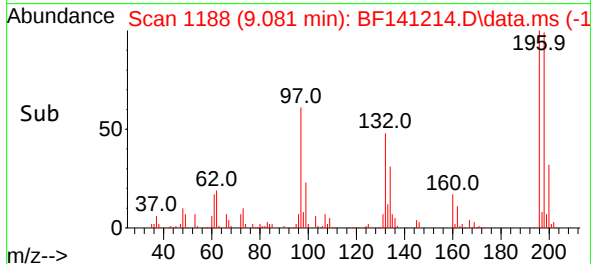
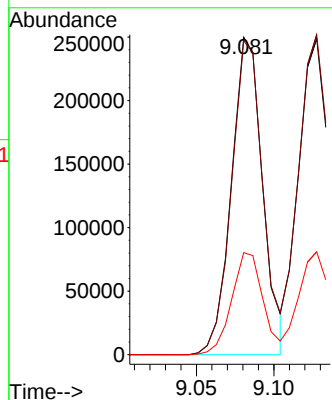
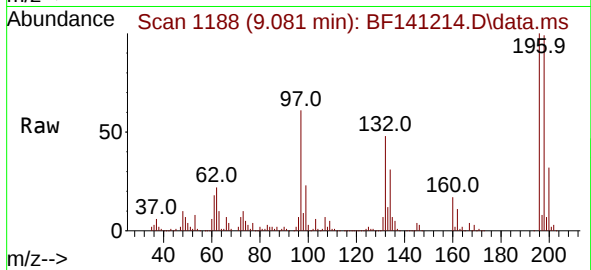




#43  
 2,4,6-Trichlorophenol  
 Concen: 52.410 ng  
 RT: 9.081 min Scan# 1188  
 Delta R.T. -0.012 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

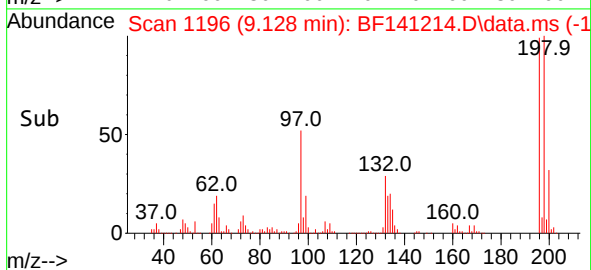
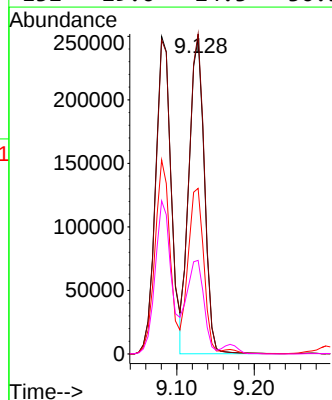
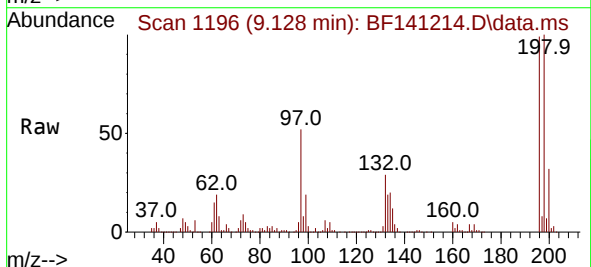
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166115BS

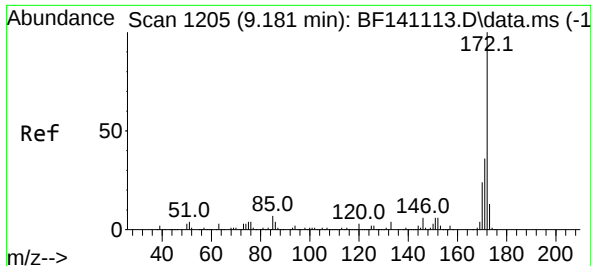
Tgt Ion:196 Resp: 349405  
 Ion Ratio Lower Upper  
 196 100  
 198 98.9 80.8 121.2  
 200 32.2 25.7 38.5



#44  
 2,4,5-Trichlorophenol  
 Concen: 48.796 ng  
 RT: 9.128 min Scan# 1196  
 Delta R.T. -0.000 min  
 Lab File: BF141214.D  
 Acq: 20 Jan 2025 11:30

Tgt Ion:196 Resp: 343567  
 Ion Ratio Lower Upper  
 196 100  
 198 101.3 80.6 120.8  
 97 52.4 43.1 64.7  
 132 29.6 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 95.778 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

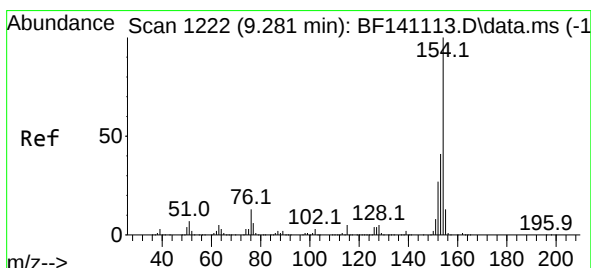
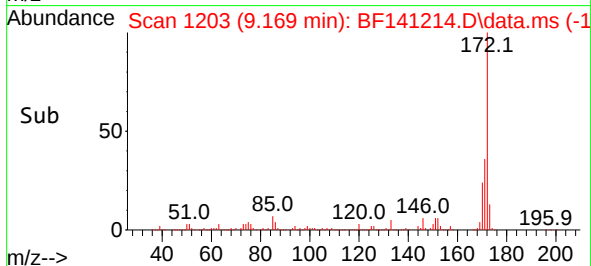
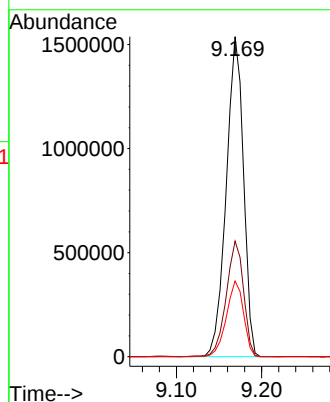
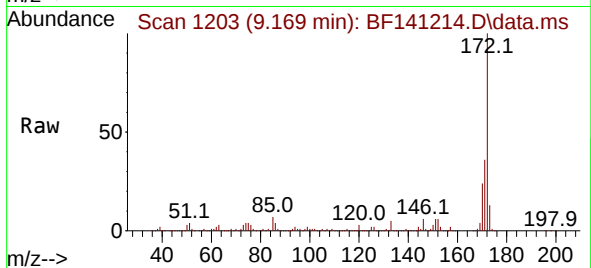
Tgt Ion:172 Resp: 2160102

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 48.898 ng

RT: 9.269 min Scan# 1220

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

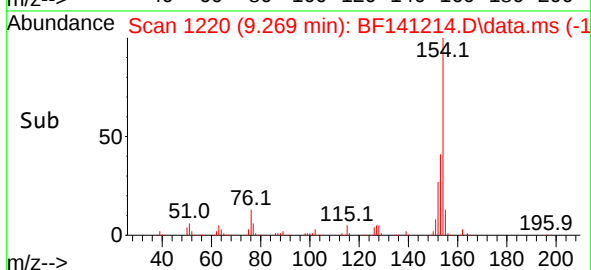
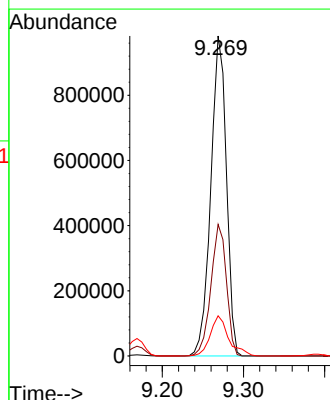
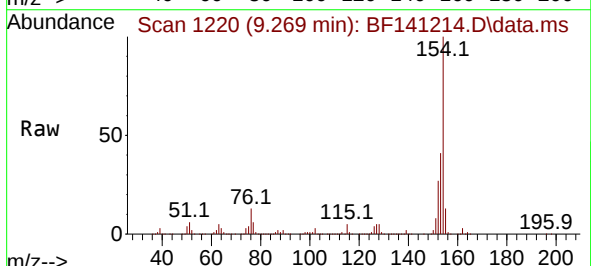
Tgt Ion:154 Resp: 1307832

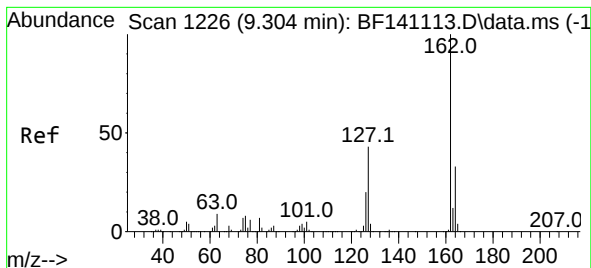
Ion Ratio Lower Upper

154 100

153 41.1 20.7 60.7

76 12.5 0.0 33.1





#47

2-Chloronaphthalene

Concen: 47.674 ng

RT: 9.292 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

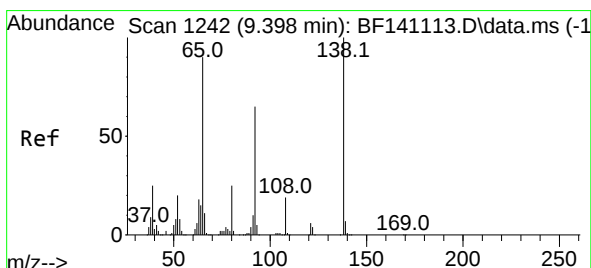
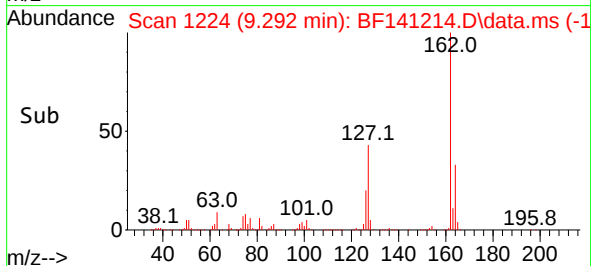
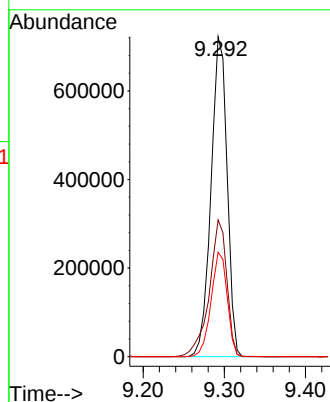
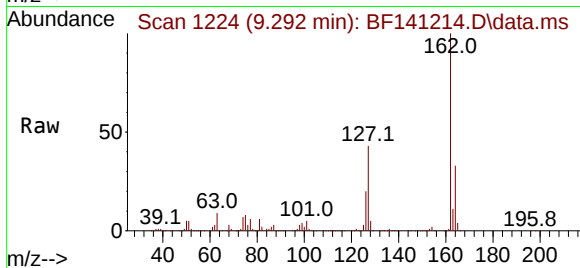
Tgt Ion:162 Resp: 993125

Ion Ratio Lower Upper

162 100

127 42.8 34.6 51.8

164 32.6 26.5 39.7



#48

2-Nitroaniline

Concen: 49.753 ng

RT: 9.386 min Scan# 1240

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

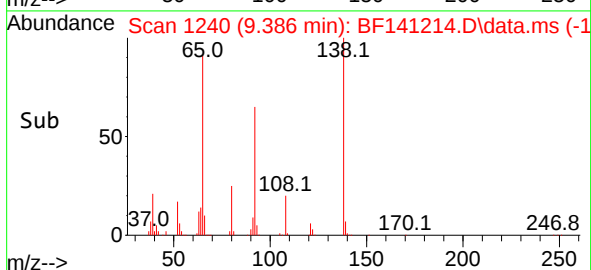
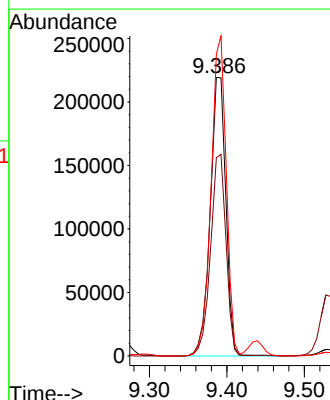
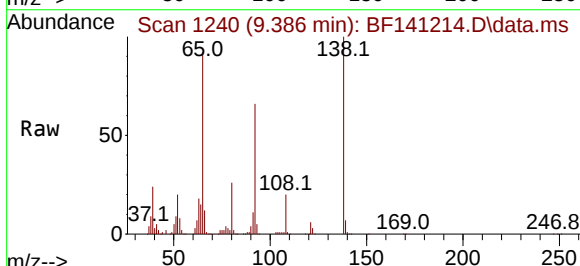
Tgt Ion: 65 Resp: 307234

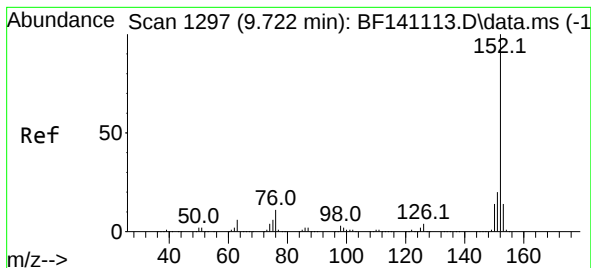
Ion Ratio Lower Upper

65 100

92 71.2 58.3 87.5

138 108.4 89.1 133.7





#49

Acenaphthylene

Concen: 52.284 ng

RT: 9.710 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

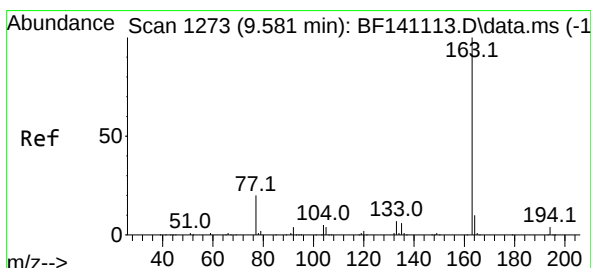
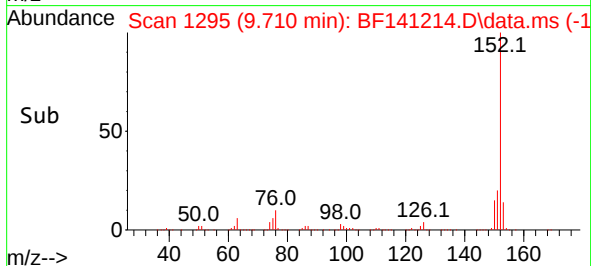
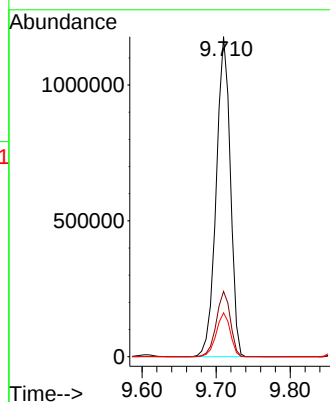
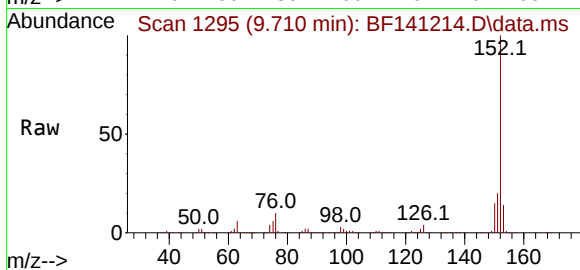
Tgt Ion:152 Resp: 1556115

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 13.7 11.1 16.7



#50

Dimethylphthalate

Concen: 50.827 ng

RT: 9.575 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

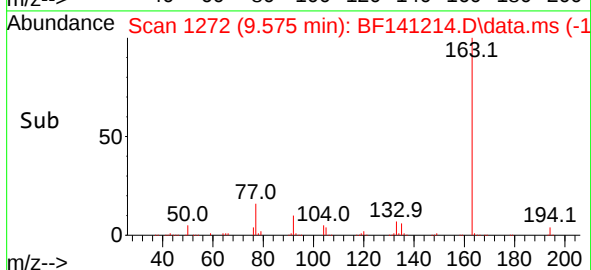
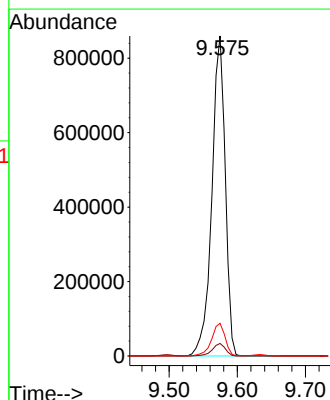
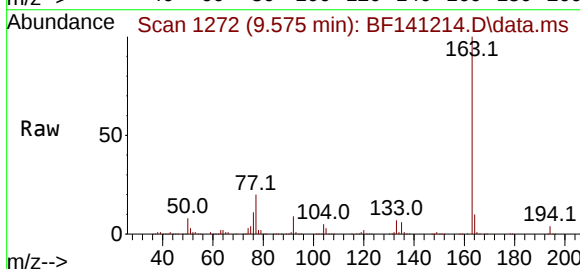
Tgt Ion:163 Resp: 1175159

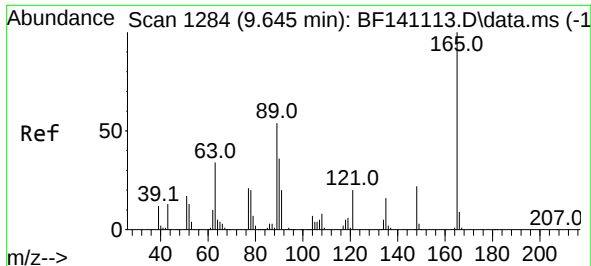
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

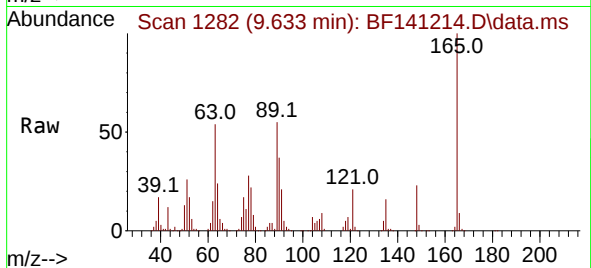
164 10.2 8.2 12.4



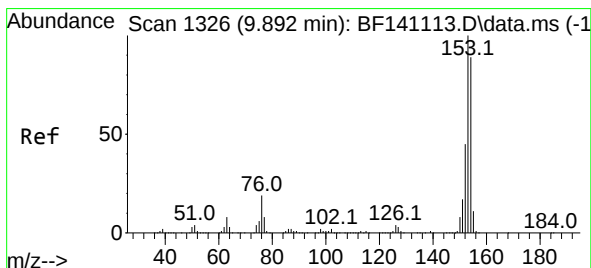
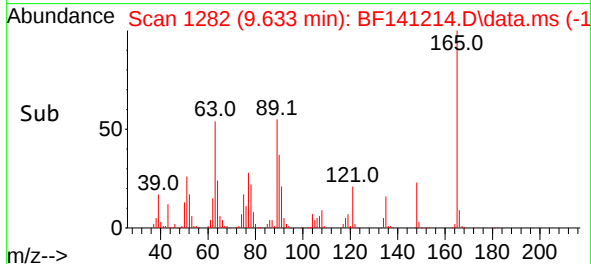
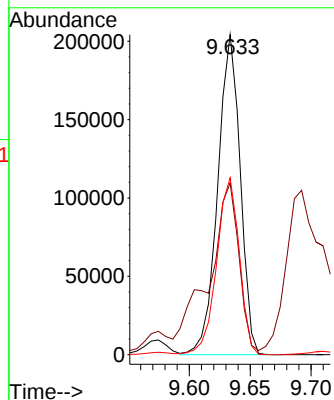


#51  
2,6-Dinitrotoluene  
Concen: 48.807 ng  
RT: 9.633 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

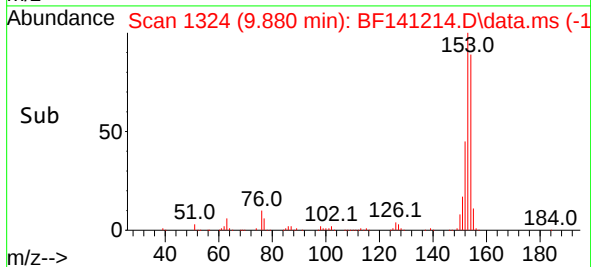
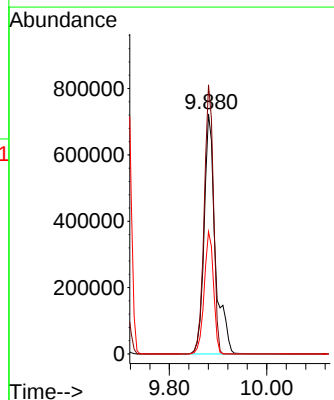
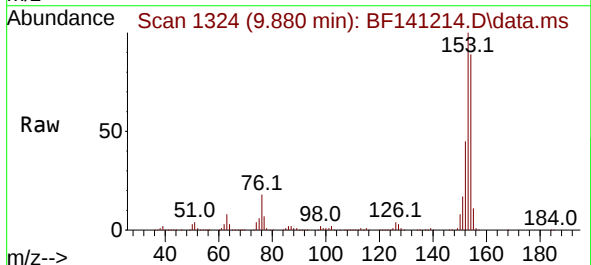


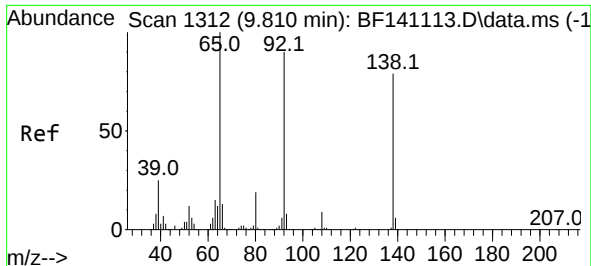
Tgt Ion:165 Resp: 262419  
Ion Ratio Lower Upper  
165 100  
63 53.7 42.3 63.5  
89 55.3 43.1 64.7



#52  
Acenaphthene  
Concen: 55.615 ng  
RT: 9.880 min Scan# 1324  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:154 Resp: 1156442  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.8 134.6  
152 50.9 40.8 61.2

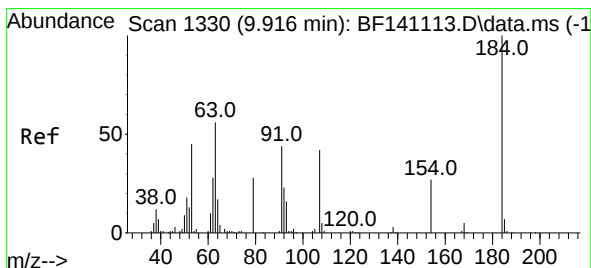
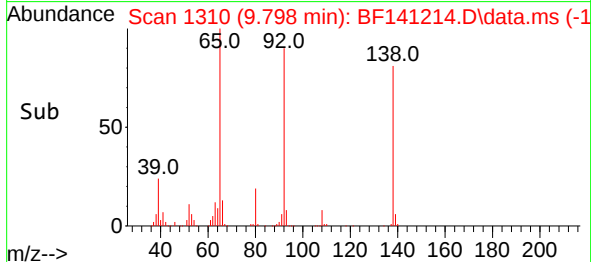
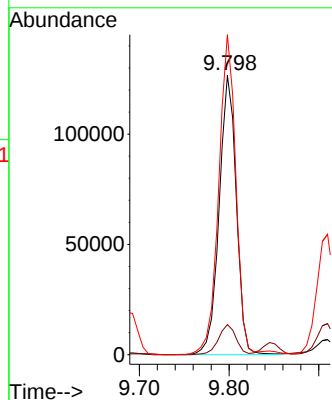
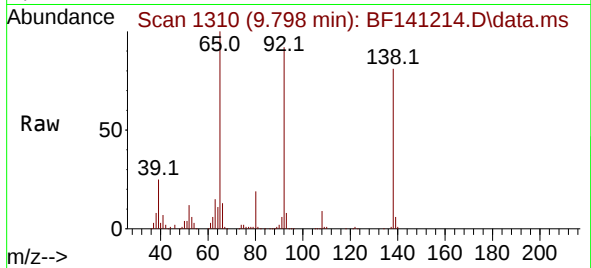




#53  
3-Nitroaniline  
Concen: 30.765 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

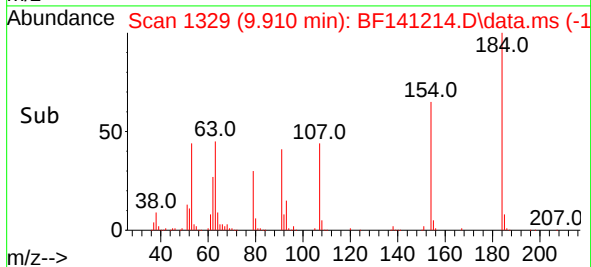
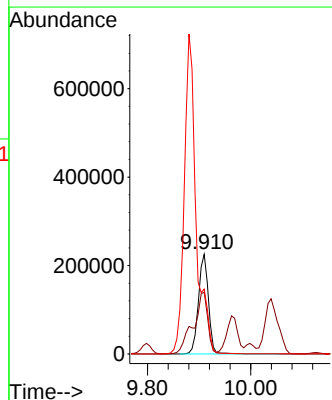
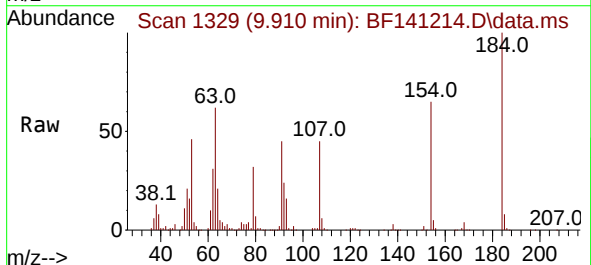
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

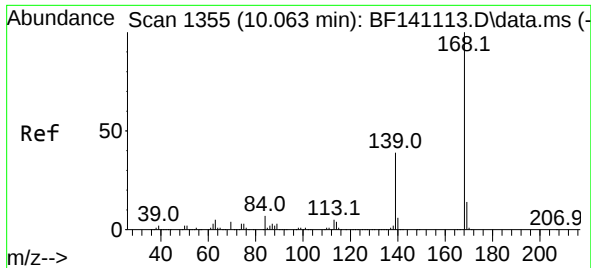
Tgt Ion:138 Resp: 168091  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.8 13.2  
92 114.5 91.3 136.9



#54  
2,4-Dinitrophenol  
Concen: 118.351 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:184 Resp: 302461  
Ion Ratio Lower Upper  
184 100  
63 62.0 48.7 73.1  
154 65.0 57.1 85.7

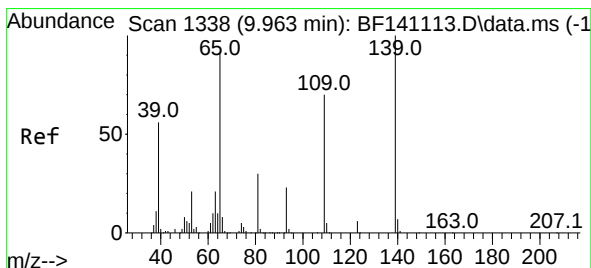
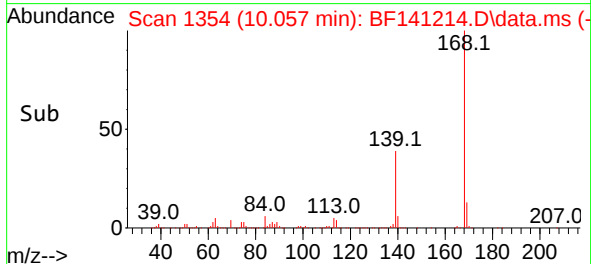
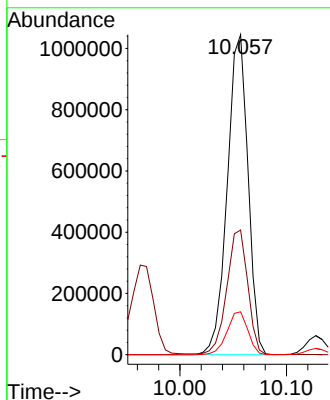
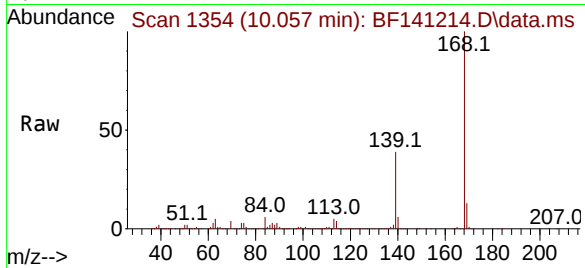




#55  
Dibenzenofuran  
Concen: 49.904 ng  
RT: 10.057 min Scan# 1354  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

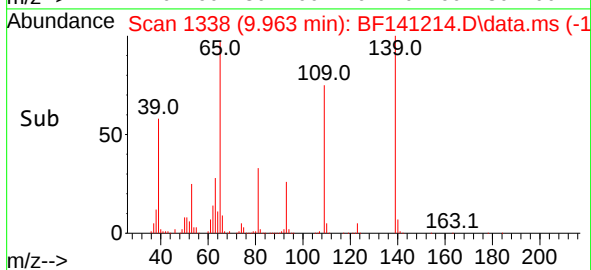
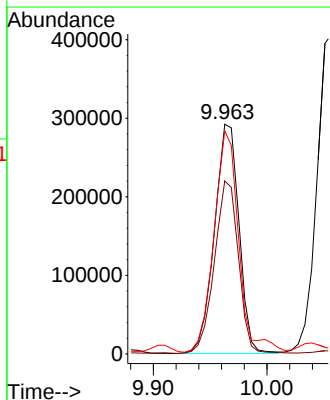
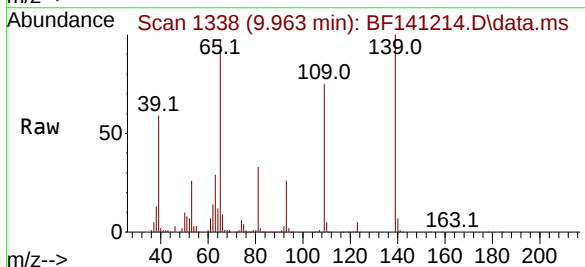
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

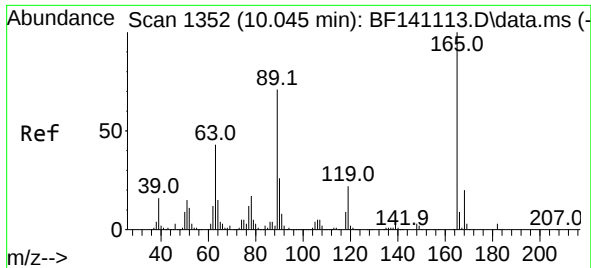
Tgt Ion:168 Resp: 1411446  
Ion Ratio Lower Upper  
168 100  
139 39.0 31.4 47.0  
169 13.4 10.9 16.3



#56  
4-Nitrophenol  
Concen: 102.422 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:139 Resp: 438271  
Ion Ratio Lower Upper  
139 100  
109 75.4 50.2 90.2  
65 97.1 72.1 112.1

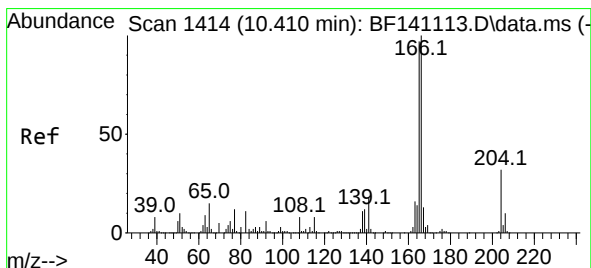
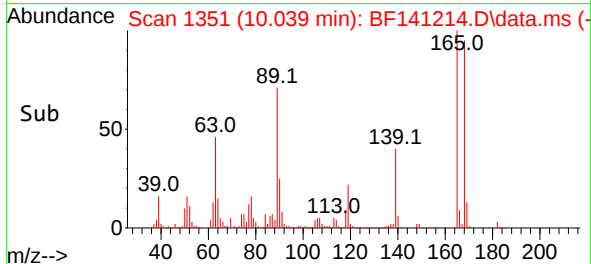
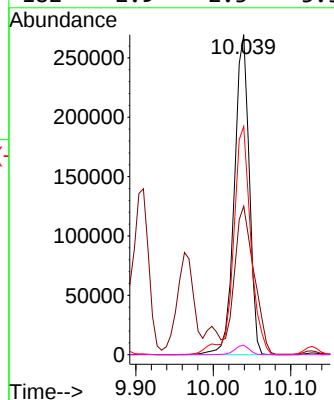
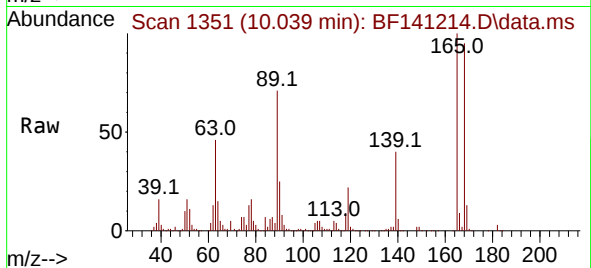




#57  
2,4-Dinitrotoluene  
Concen: 52.030 ng  
RT: 10.039 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

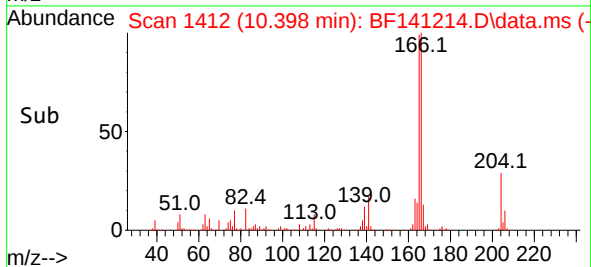
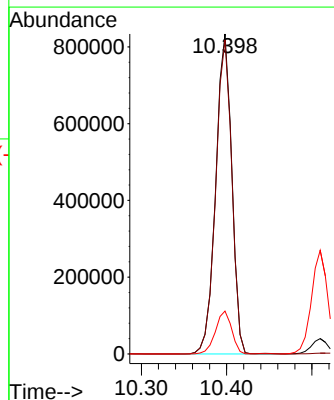
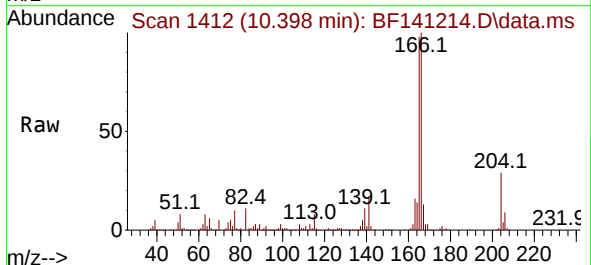
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

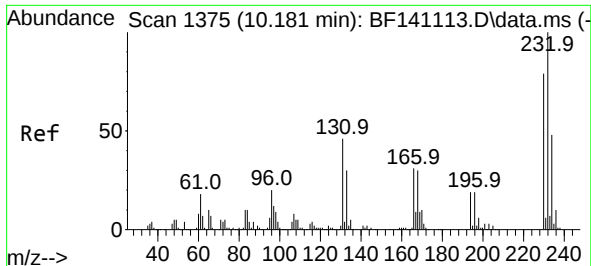
Tgt Ion:165 Resp: 360521  
Ion Ratio Lower Upper  
165 100  
63 46.4 35.0 52.4  
89 71.3 56.7 85.1  
182 2.9 2.3 3.5



#58  
Fluorene  
Concen: 49.608 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

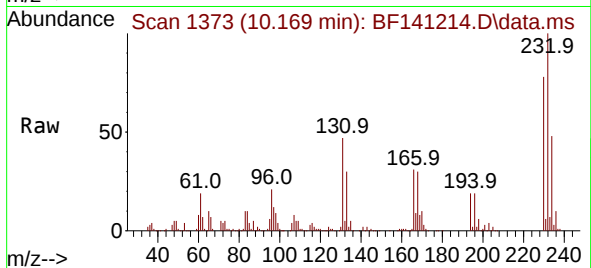
Tgt Ion:166 Resp: 1090049  
Ion Ratio Lower Upper  
166 100  
165 98.1 77.8 116.8  
167 13.4 10.8 16.2



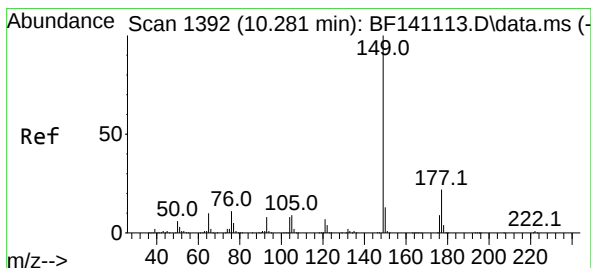
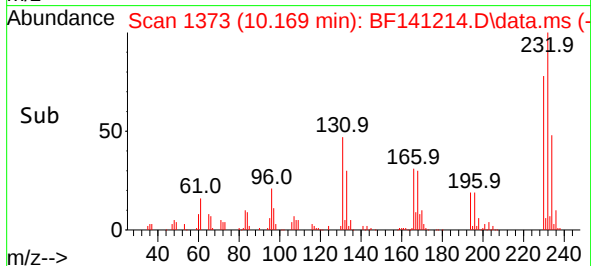
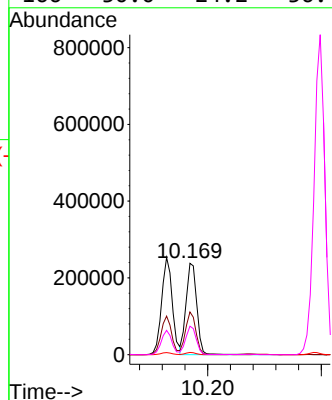


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 53.078 ng  
RT: 10.169 min Scan# 1373  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

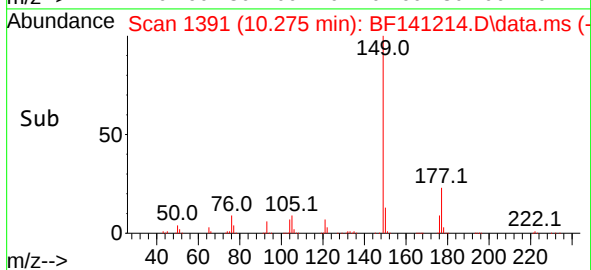
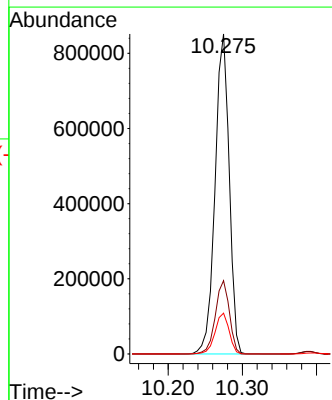
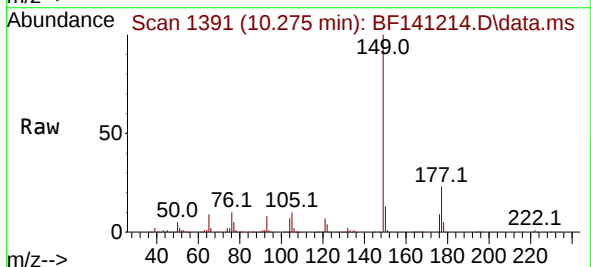


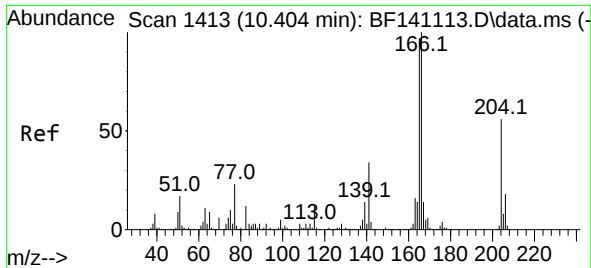
Tgt Ion:232 Resp: 310641  
Ion Ratio Lower Upper  
232 100  
131 44.6 36.2 54.4  
130 2.3 2.0 3.0  
166 30.0 24.2 36.4



#60  
Diethylphthalate  
Concen: 49.825 ng  
RT: 10.275 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:149 Resp: 1124632  
Ion Ratio Lower Upper  
149 100  
177 22.9 17.9 26.9  
150 12.8 10.2 15.2

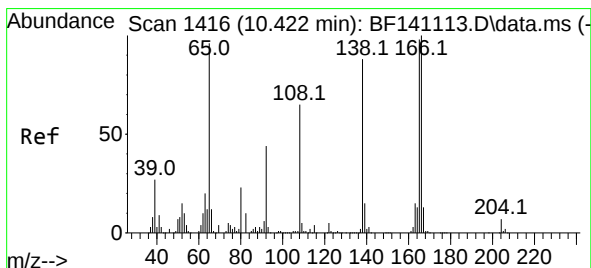
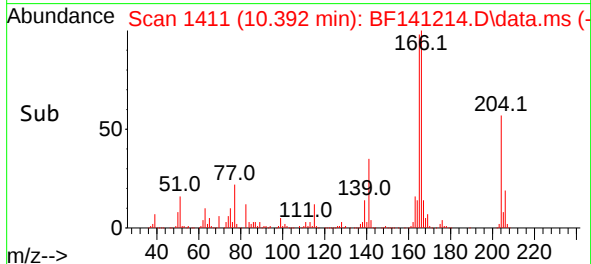
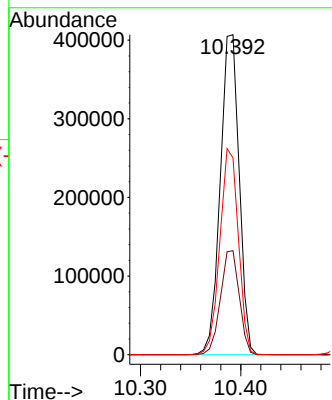
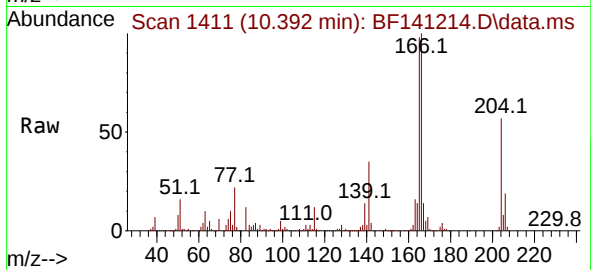




#61  
4-Chlorophenyl-phenylether  
Concen: 49.720 ng  
RT: 10.392 min Scan# 1411  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

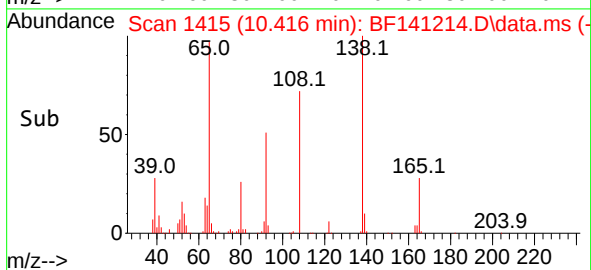
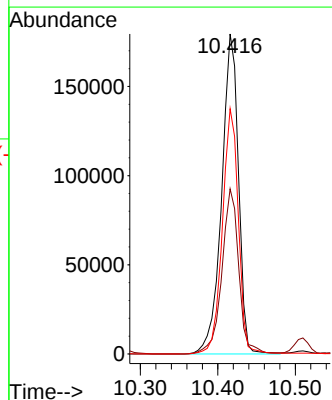
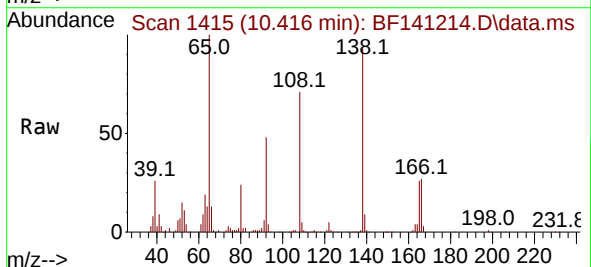
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

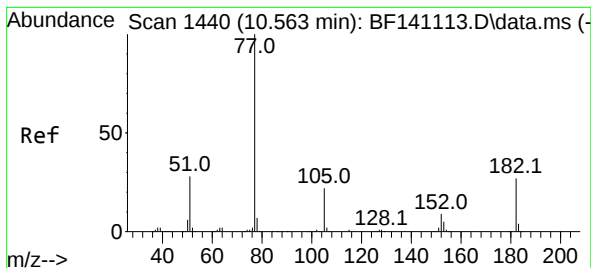
Tgt Ion:204 Resp: 532472  
Ion Ratio Lower Upper  
204 100  
206 32.5 25.9 38.9  
141 61.5 49.1 73.7



#62  
4-Nitroaniline  
Concen: 50.592 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:138 Resp: 270549  
Ion Ratio Lower Upper  
138 100  
92 51.6 29.4 69.4  
108 76.7 53.7 93.7





#63

Azobenzene

Concen: 49.464 ng

RT: 10.551 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

Tgt Ion: 77 Resp: 1101677

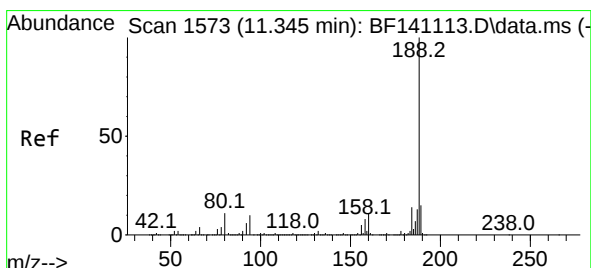
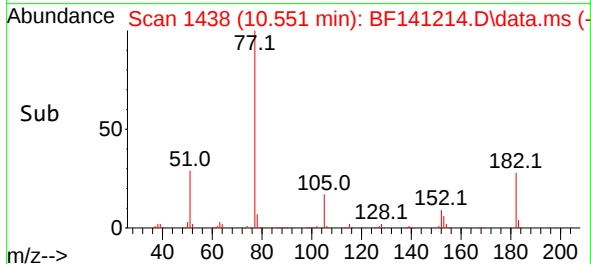
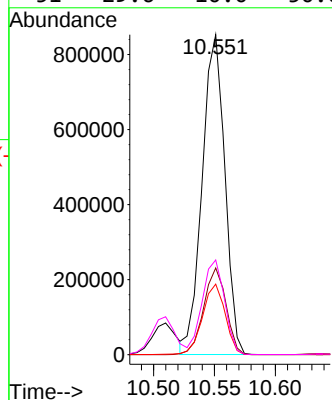
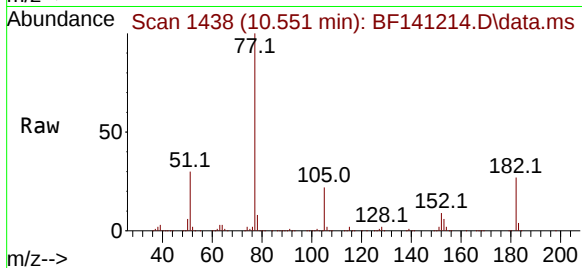
Ion Ratio Lower Upper

77 100

182 27.1 6.1 46.1

105 22.0 2.1 42.1

51 29.6 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

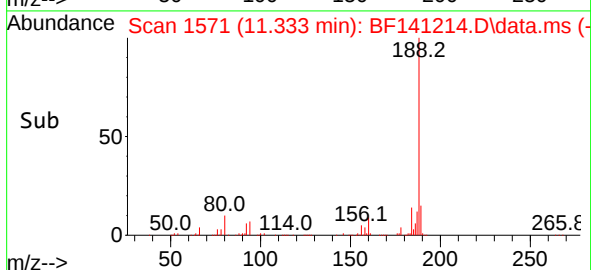
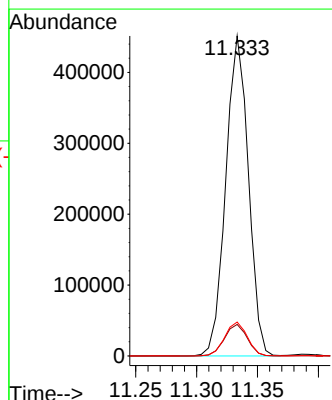
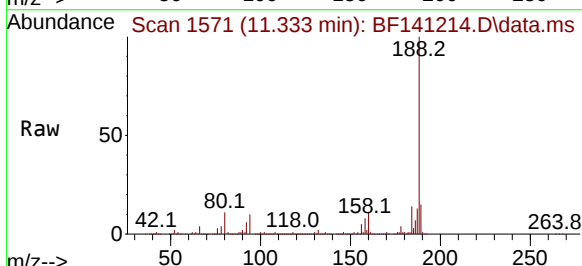
Tgt Ion:188 Resp: 583291

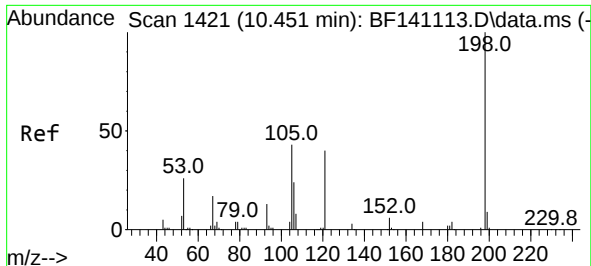
Ion Ratio Lower Upper

188 100

94 9.8 8.3 12.5

80 10.6 9.0 13.4

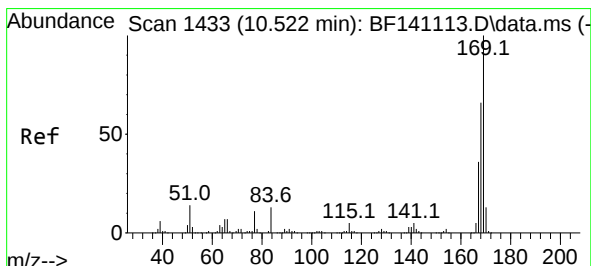
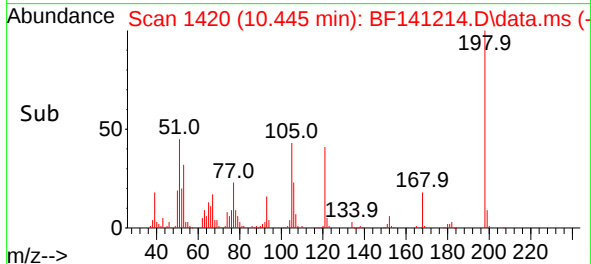
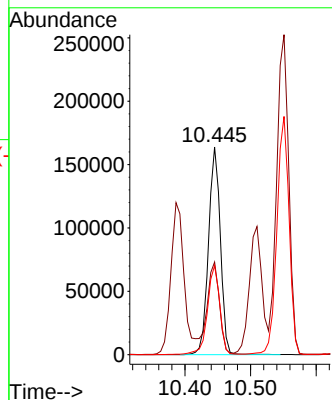
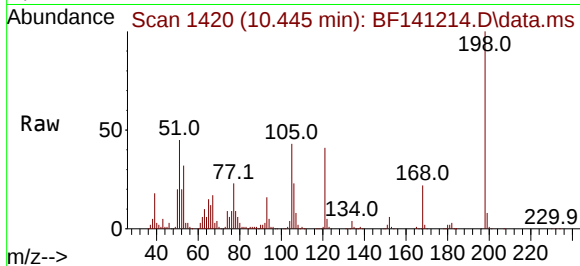




#65  
4,6-Dinitro-2-methylphenol  
Concen: 61.313 ng  
RT: 10.445 min Scan# 1414  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

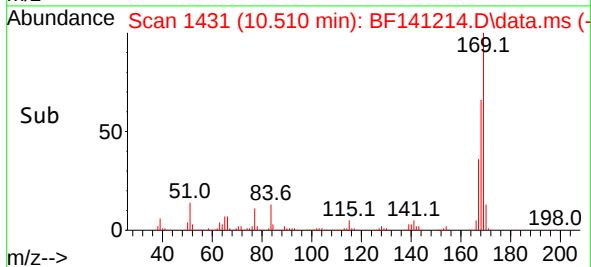
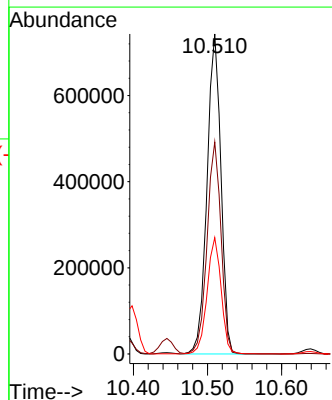
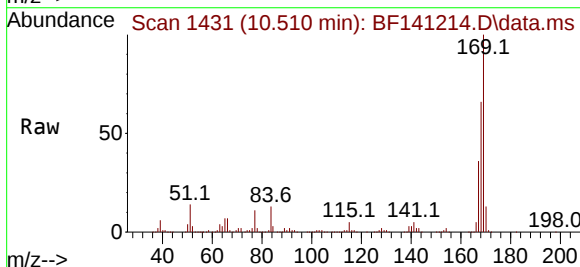
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

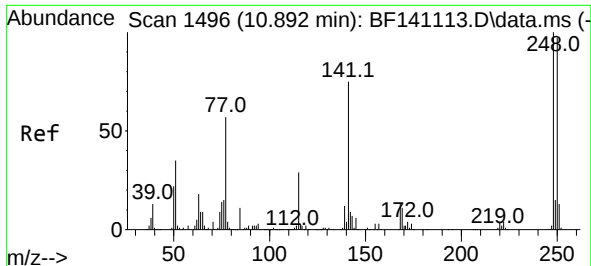
Tgt Ion:198 Resp: 207237  
Ion Ratio Lower Upper  
198 100  
51 44.6 27.1 67.1  
105 42.9 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 51.303 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:169 Resp: 965203  
Ion Ratio Lower Upper  
169 100  
168 66.2 52.5 78.7  
167 36.4 28.9 43.3

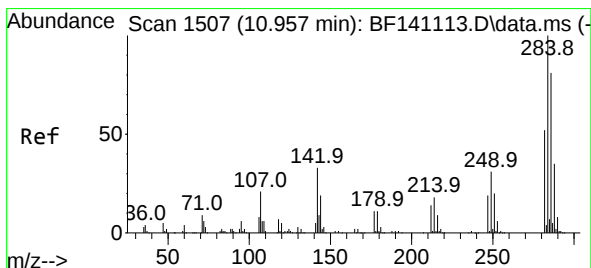
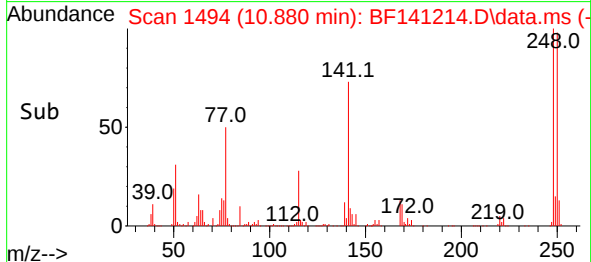
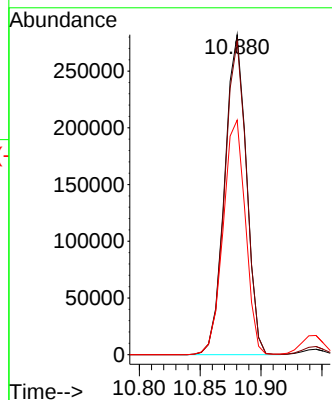
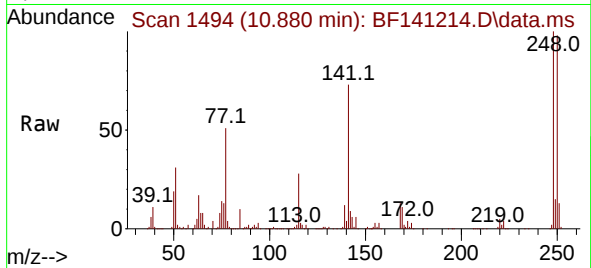




#67  
4-Bromophenyl-phenylether  
Concen: 52.377 ng  
RT: 10.880 min Scan# 1496  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

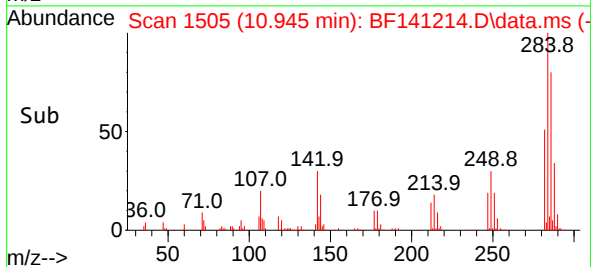
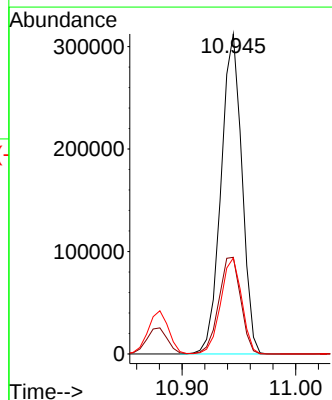
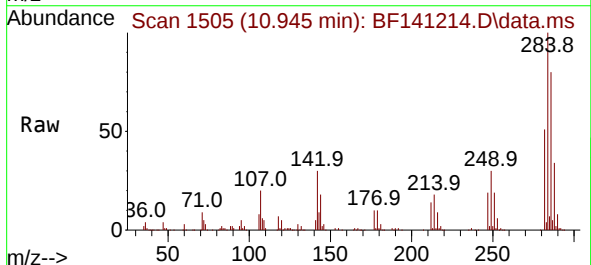
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

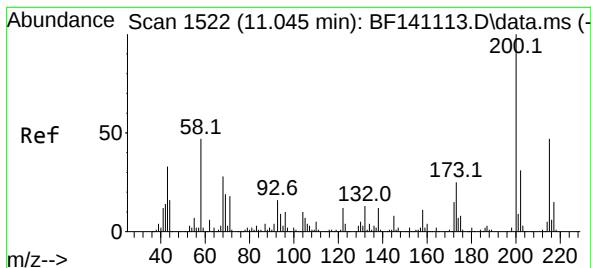
Tgt Ion:248 Resp: 351736  
Ion Ratio Lower Upper  
248 100  
250 98.0 77.9 116.9  
141 73.3 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 53.261 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:284 Resp: 398155  
Ion Ratio Lower Upper  
284 100  
142 30.2 26.3 39.5  
249 30.0 24.9 37.3





#69

Atrazine

Concen: 66.520 ng

RT: 11.039 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

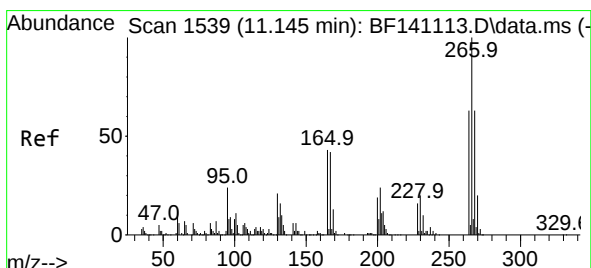
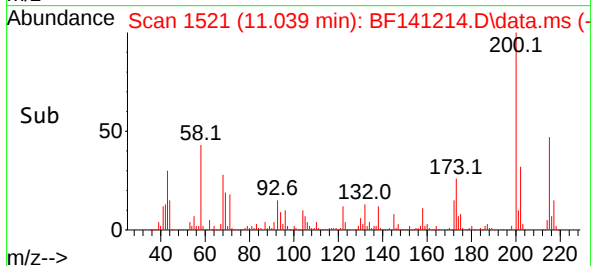
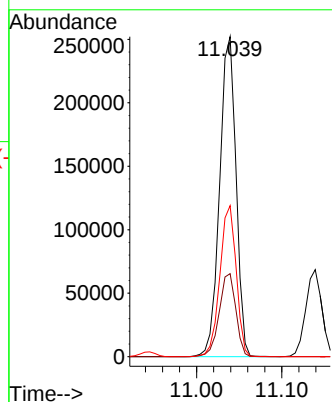
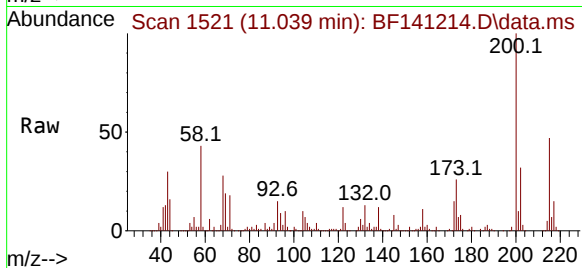
Tgt Ion:200 Resp: 336972

Ion Ratio Lower Upper

200 100

173 26.0 5.4 45.4

215 47.2 26.6 66.6



#70

Pentachlorophenol

Concen: 103.886 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

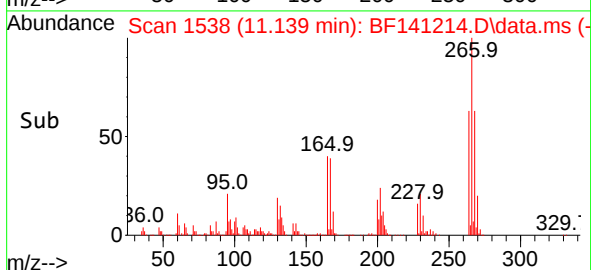
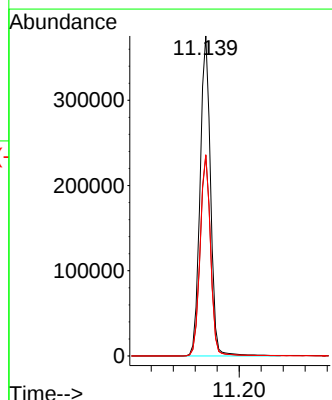
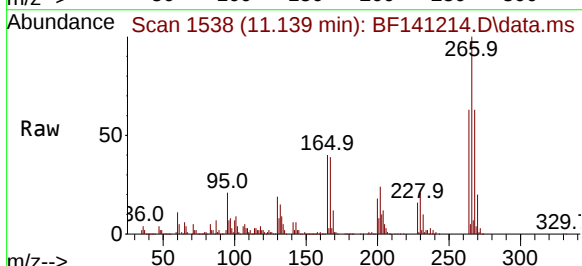
Tgt Ion:266 Resp: 497336

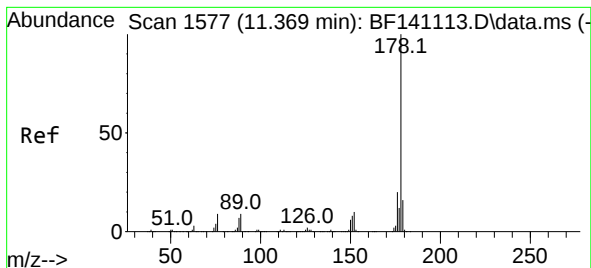
Ion Ratio Lower Upper

266 100

268 62.7 50.4 75.6

264 62.9 50.2 75.2





#71

Phenanthrene

Concen: 52.646 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

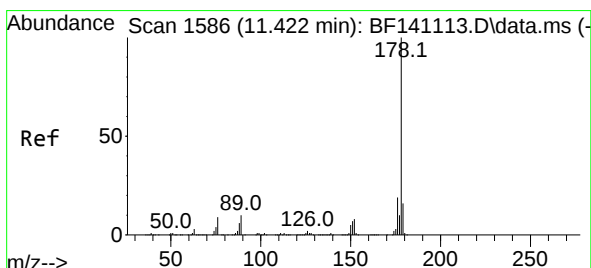
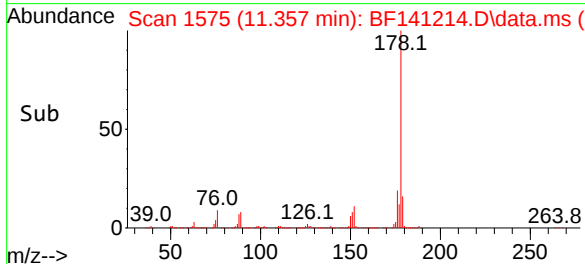
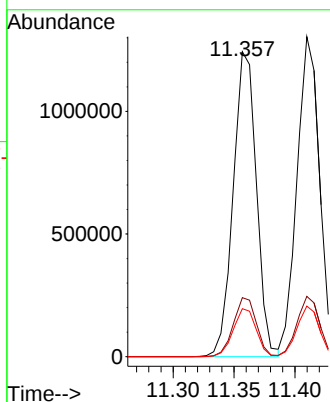
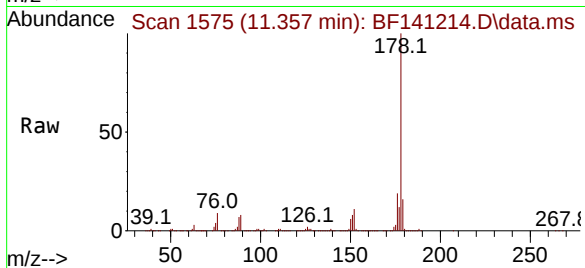
Tgt Ion:178 Resp: 1648617

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.7 12.6 19.0



#72

Anthracene

Concen: 55.028 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

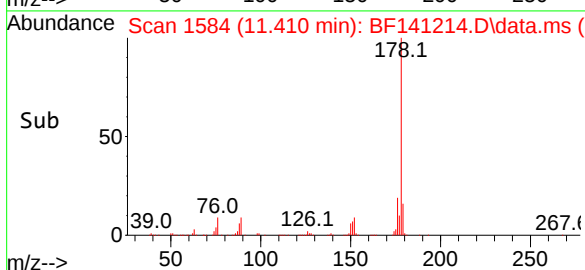
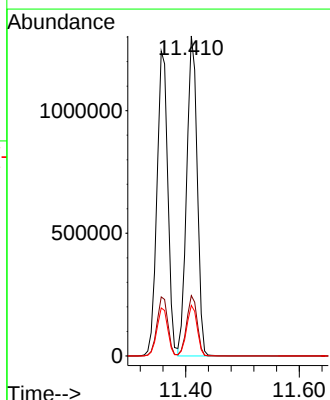
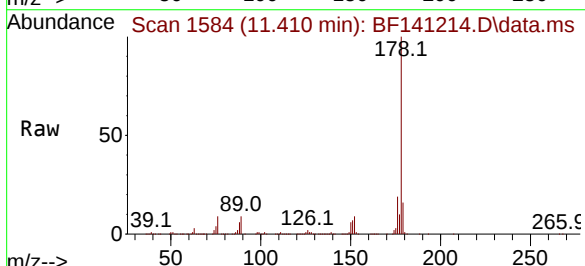
Tgt Ion:178 Resp: 1675540

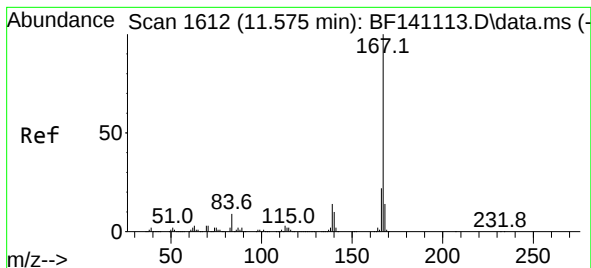
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.8 12.6 19.0





#73

Carbazole

Concen: 52.547 ng

RT: 11.563 min Scan# 1610

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

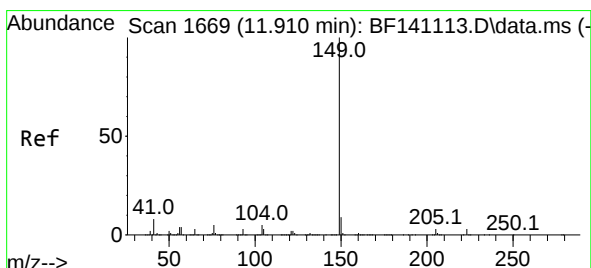
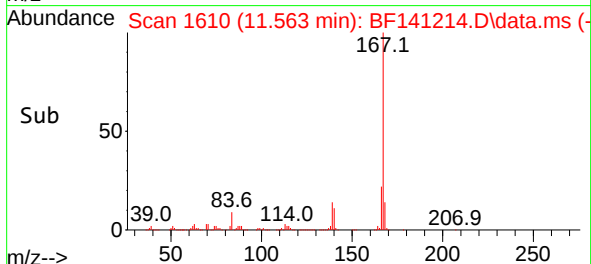
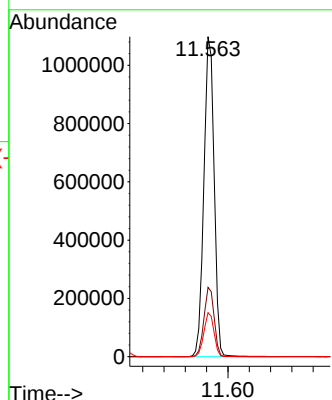
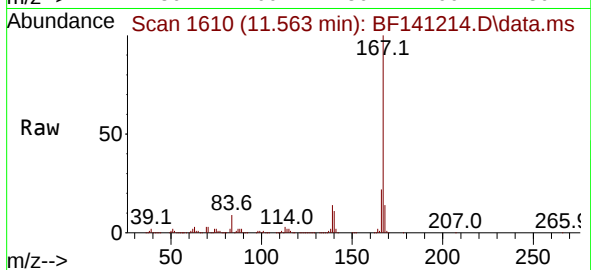
Tgt Ion:167 Resp: 1467093

Ion Ratio Lower Upper

167 100

166 21.7 17.4 26.2

139 13.7 10.9 16.3



#74

Di-n-butylphthalate

Concen: 53.209 ng

RT: 11.898 min Scan# 1667

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

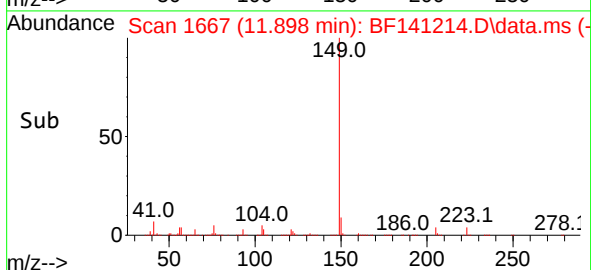
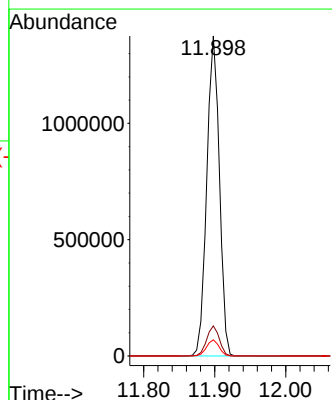
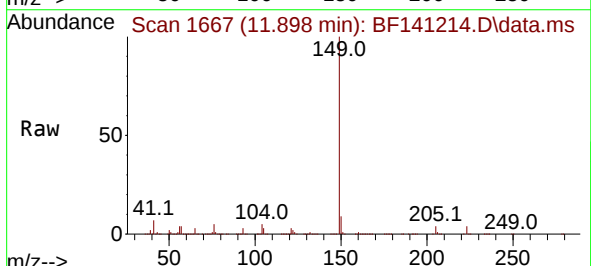
Tgt Ion:149 Resp: 1700136

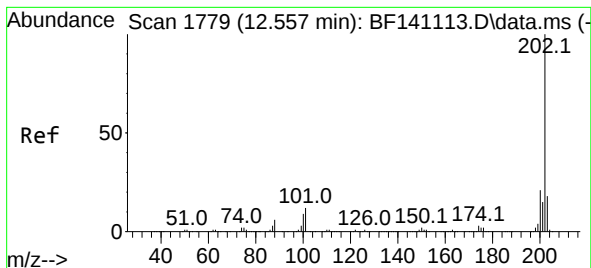
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

104 5.0 4.2 6.2





#75

Fluoranthene

Concen: 54.606 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

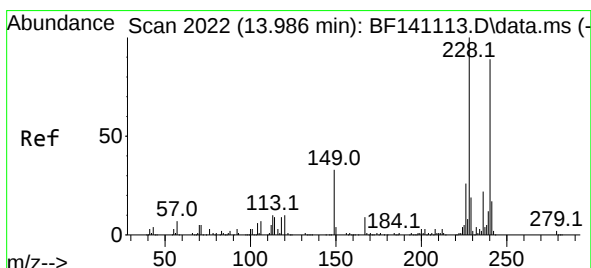
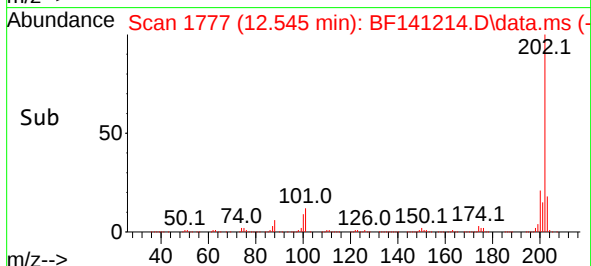
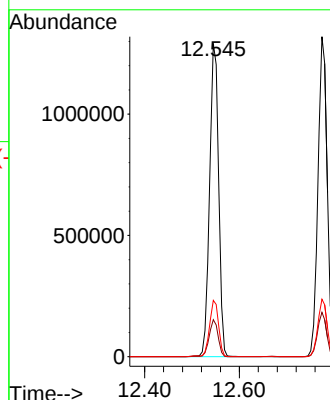
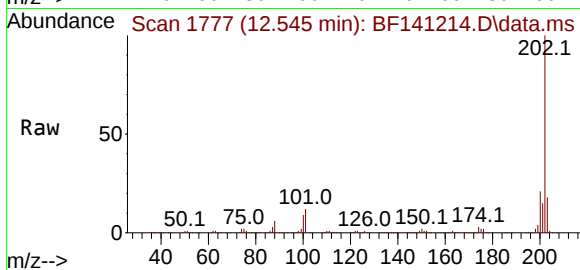
Tgt Ion:202 Resp: 1706417

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.3

203 18.0 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

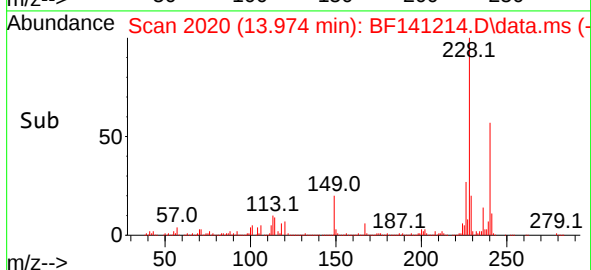
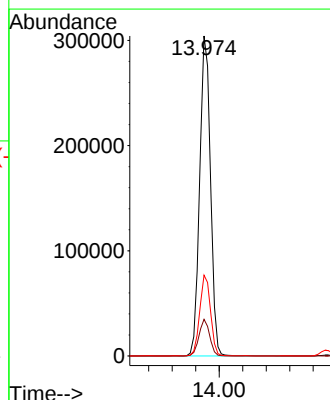
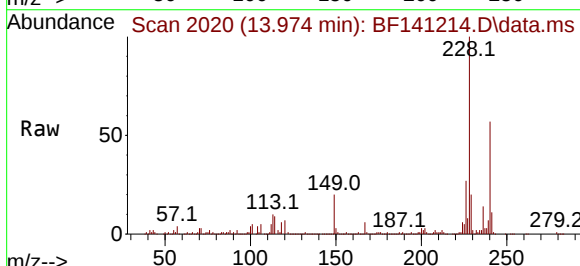
Tgt Ion:240 Resp: 387847

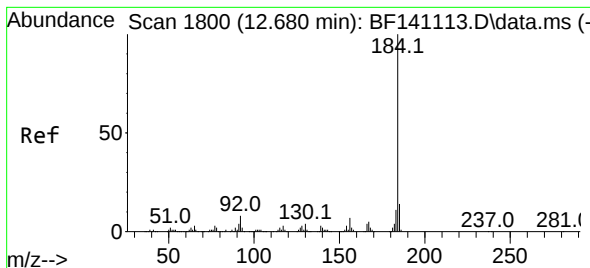
Ion Ratio Lower Upper

240 100

120 11.4 9.1 13.7

236 25.2 19.8 29.6





#77

Benzidine

Concen: 43.171 ng

RT: 12.669 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

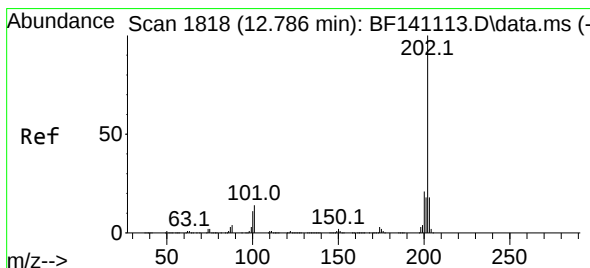
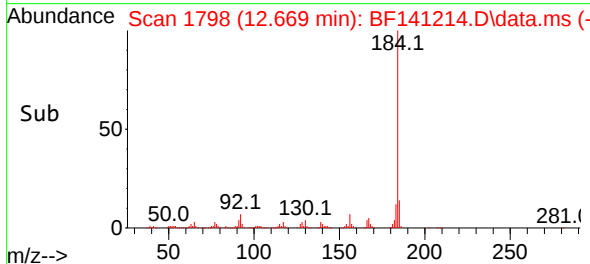
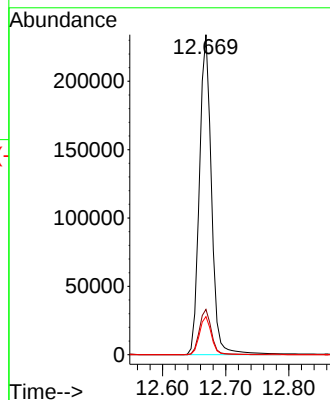
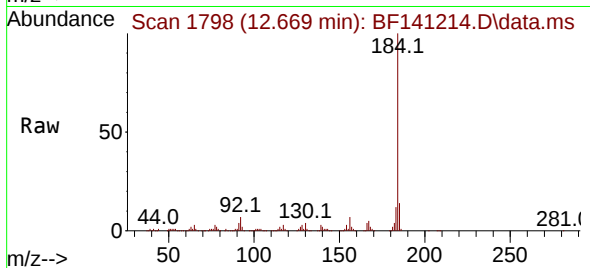
Tgt Ion:184 Resp: 310503

Ion Ratio Lower Upper

184 100

185 14.1 11.4 17.0

183 11.9 9.2 13.8



#78

Pyrene

Concen: 47.329 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

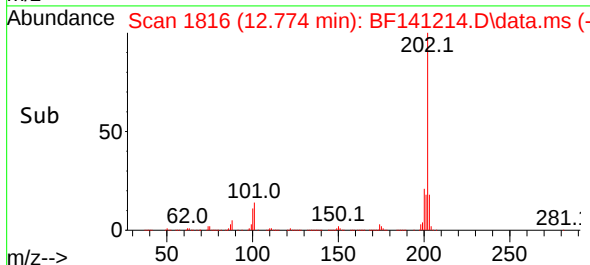
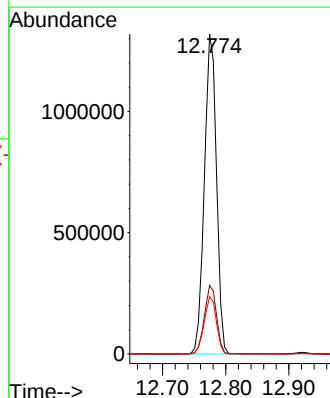
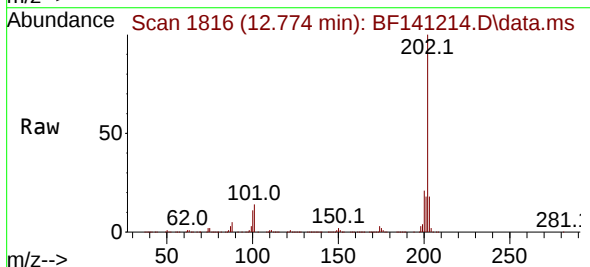
Tgt Ion:202 Resp: 1753273

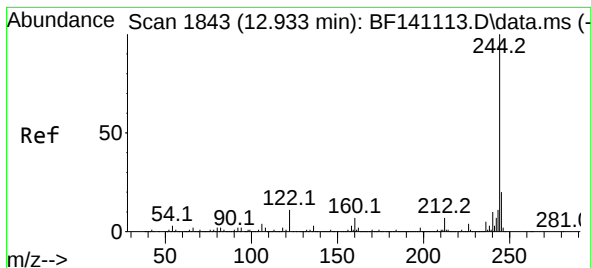
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.0 14.3 21.5





#79

Terphenyl-d14

Concen: 97.606 ng

RT: 12.921 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

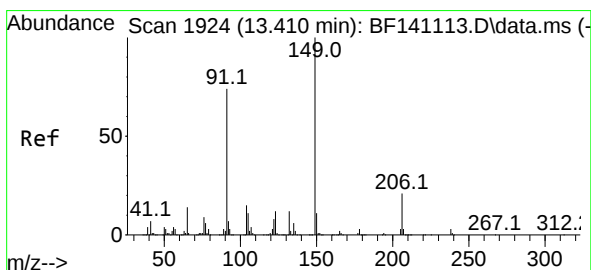
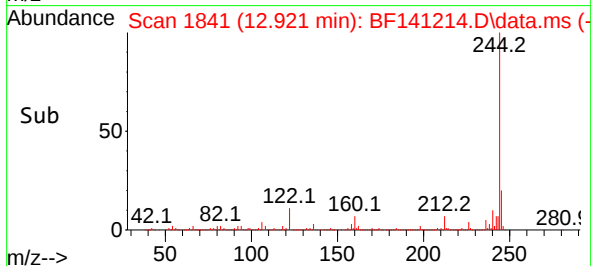
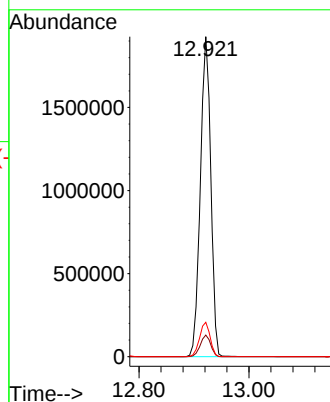
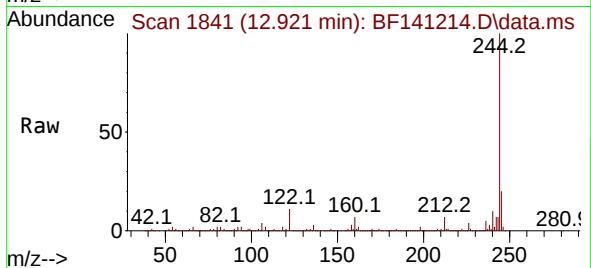
Tgt Ion:244 Resp: 2546992

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 54.305 ng

RT: 13.398 min Scan# 1922

Delta R.T. -0.012 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

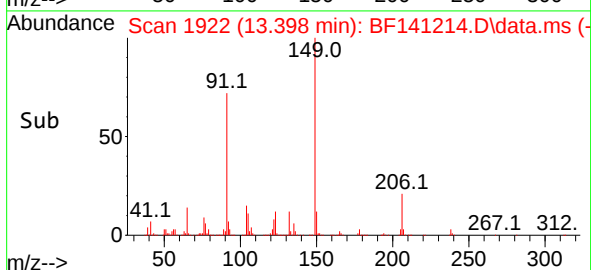
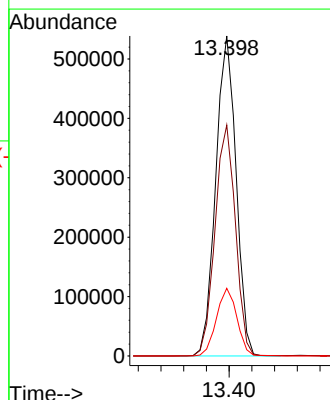
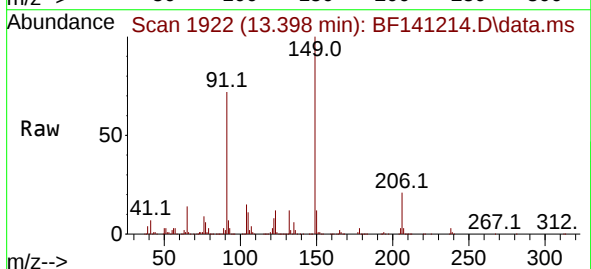
Tgt Ion:149 Resp: 670710

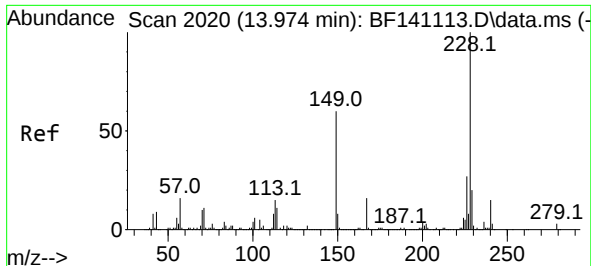
Ion Ratio Lower Upper

149 100

91 72.2 59.0 88.6

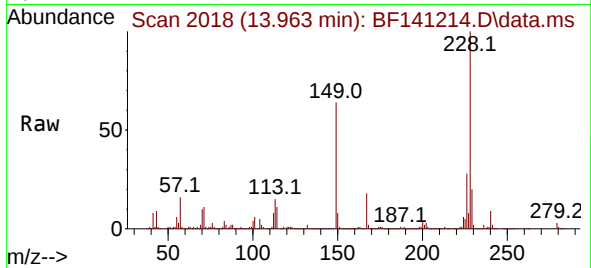
206 21.2 16.5 24.7



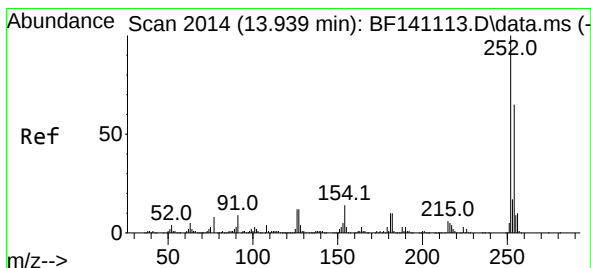
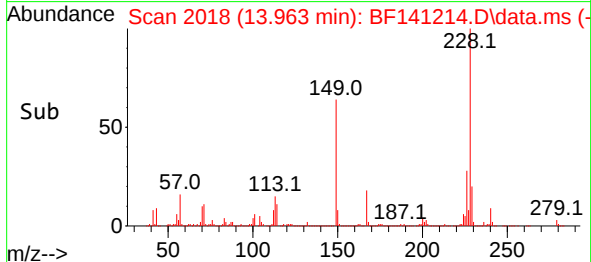
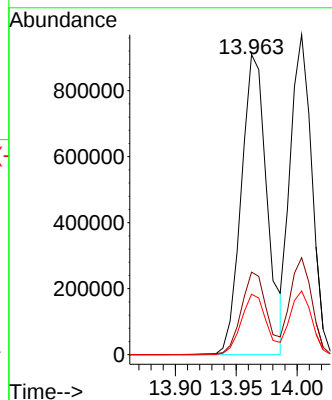


#81  
Benzo(a)anthracene  
Concen: 50.810 ng  
RT: 13.963 min Scan# 2012  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

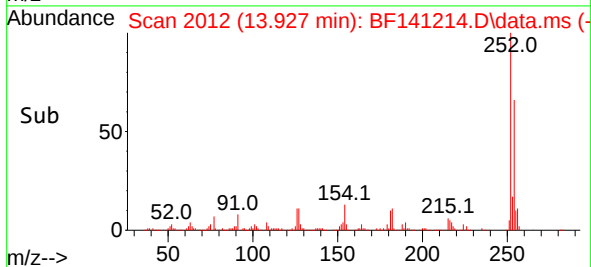
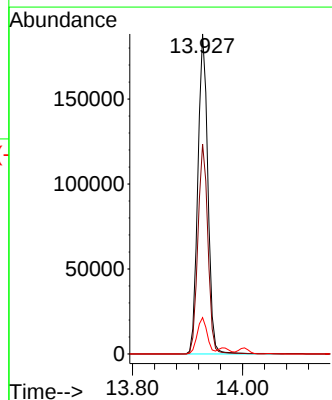
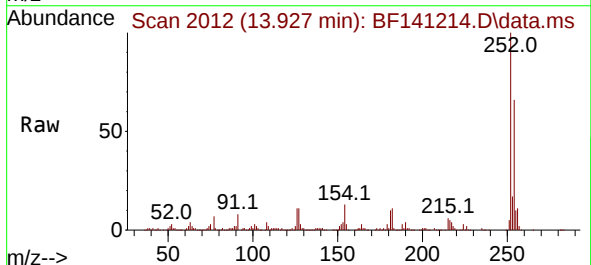


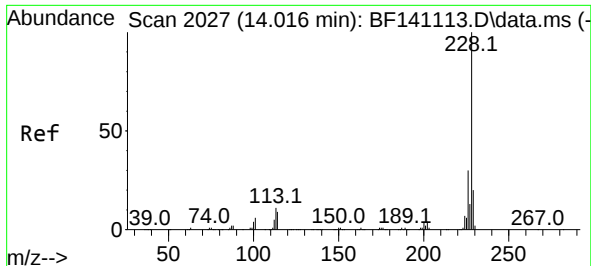
Tgt Ion:228 Resp: 1341144  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 20.2 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 28.358 ng  
RT: 13.927 min Scan# 2012  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:252 Resp: 238344  
Ion Ratio Lower Upper  
252 100  
254 65.6 52.0 78.0  
126 11.4 9.4 14.0

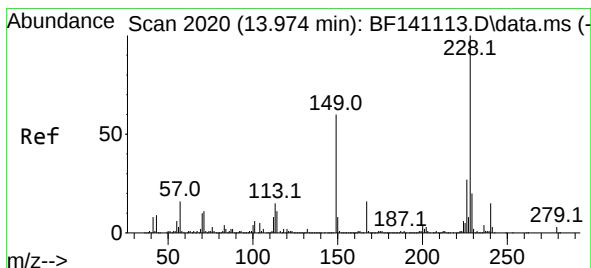
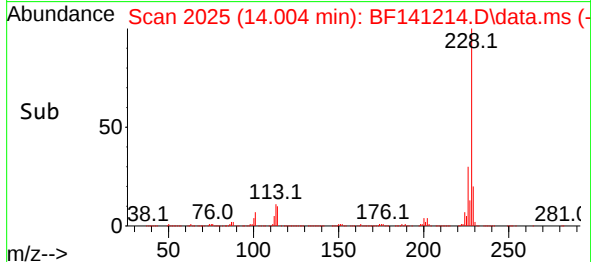
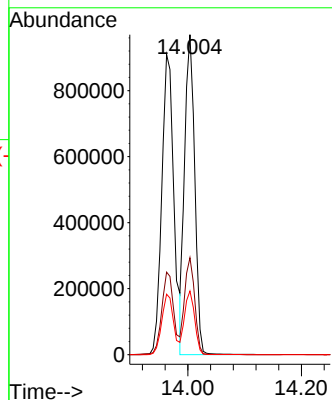
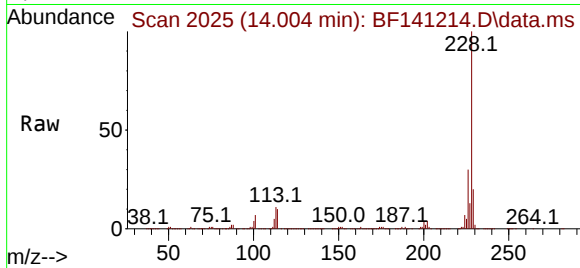




#83  
Chrysene  
Concen: 48.371 ng  
RT: 14.004 min Scan# 2027  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

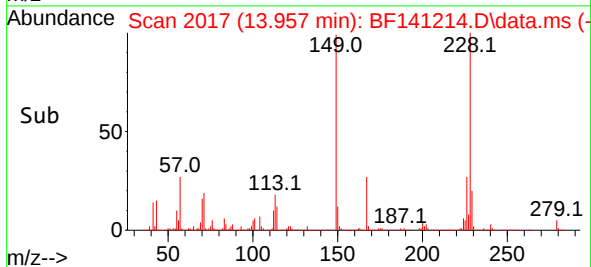
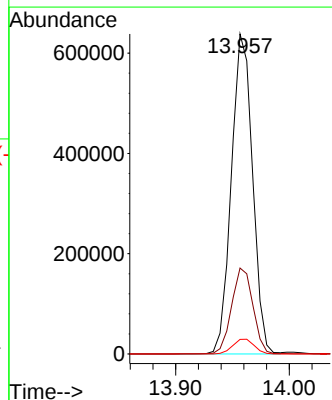
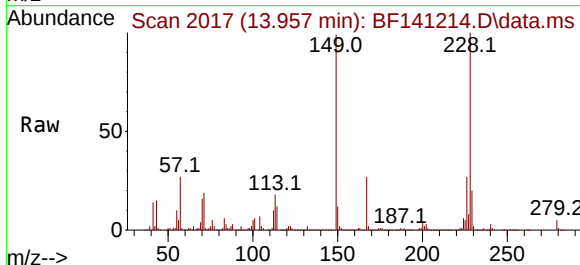
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

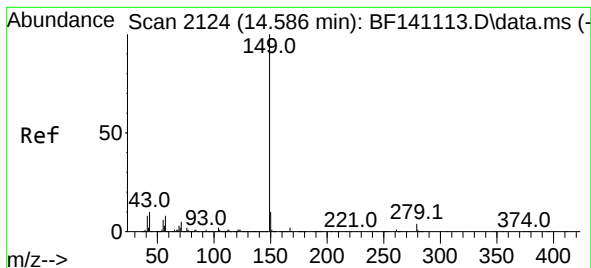
Tgt Ion:228 Resp: 1194661  
Ion Ratio Lower Upper  
228 100  
226 30.3 23.8 35.8  
229 19.9 15.8 23.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 55.749 ng  
RT: 13.957 min Scan# 2017  
Delta R.T. -0.018 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:149 Resp: 826160  
Ion Ratio Lower Upper  
149 100  
167 26.9 21.4 32.2  
279 4.6 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 53.845 ng

RT: 14.580 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

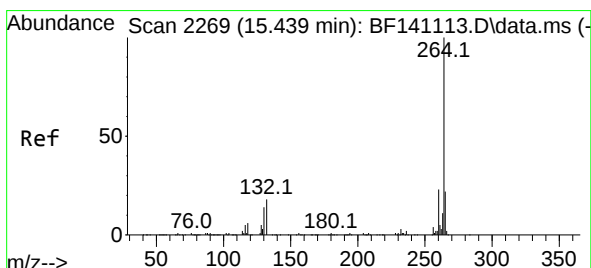
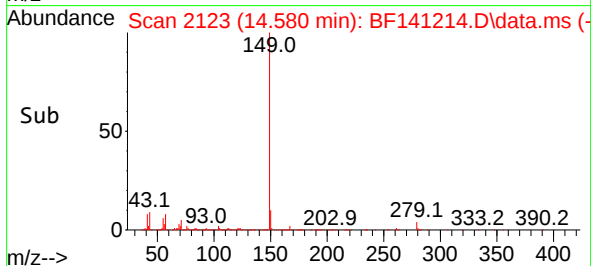
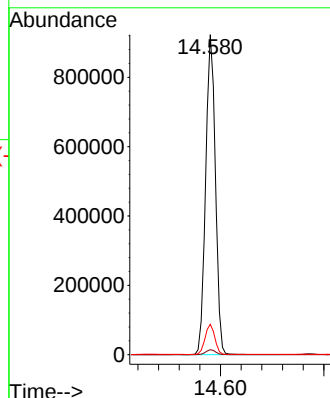
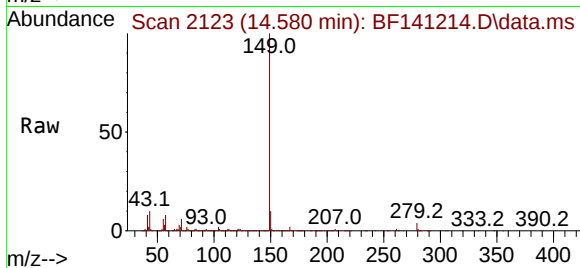
Tgt Ion:149 Resp: 1204958

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.4 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

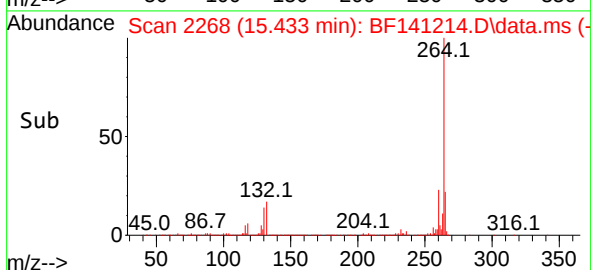
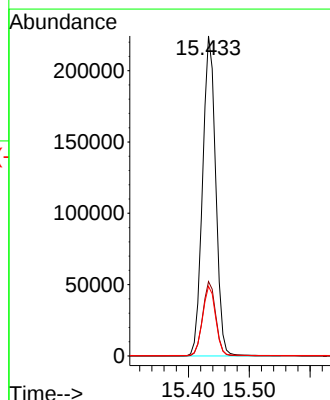
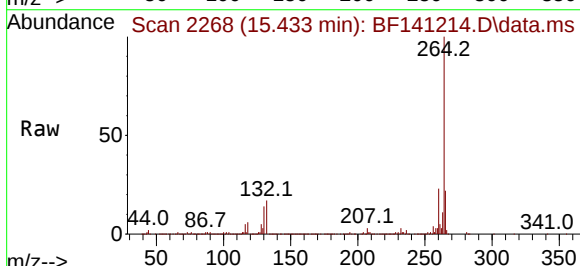
Tgt Ion:264 Resp: 335070

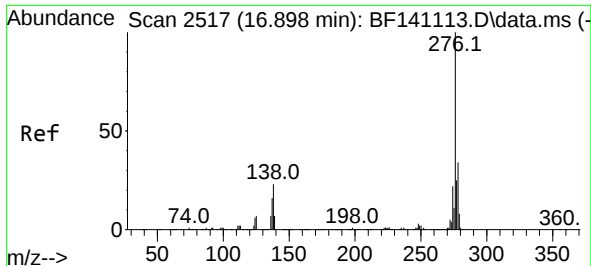
Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.8 17.4 26.0

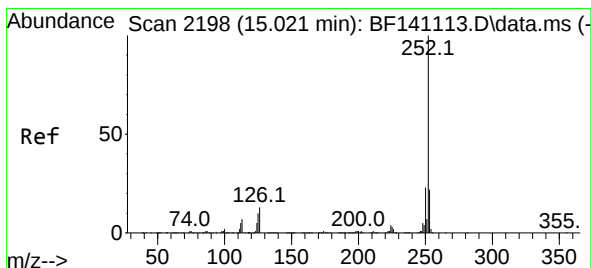
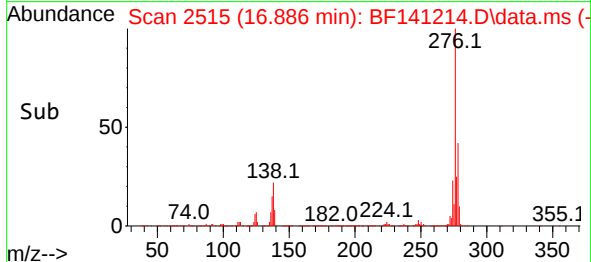
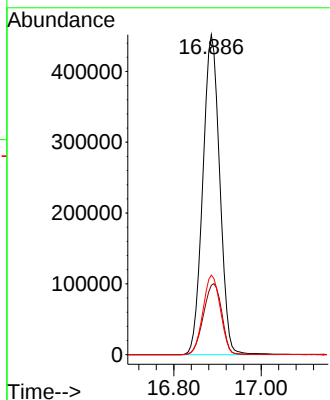
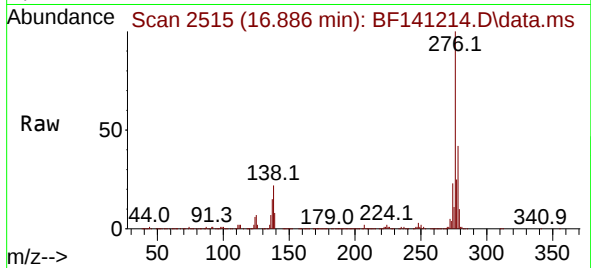




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.610 ng  
RT: 16.886 min Scan# 2117  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

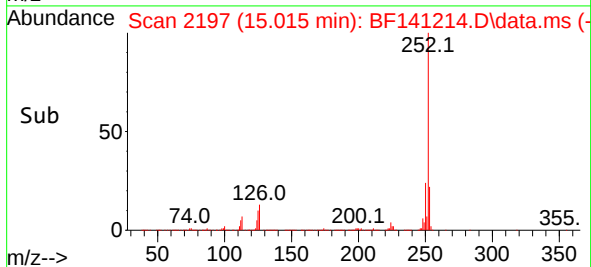
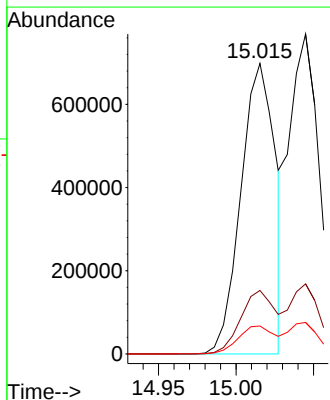
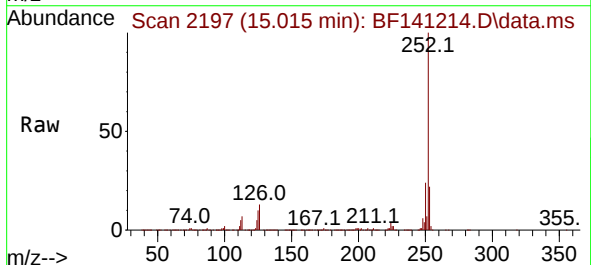
Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

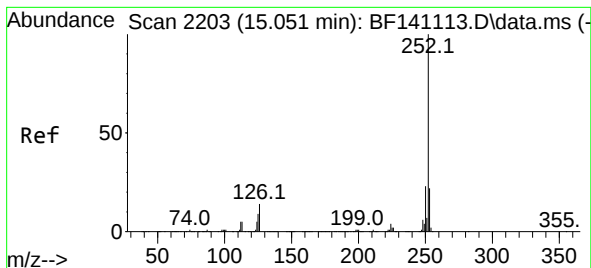
Tgt Ion:276 Resp: 1217843  
Ion Ratio Lower Upper  
276 100  
138 24.0 20.7 31.1  
277 25.7 20.6 30.8



#88  
Benzo(b)fluoranthene  
Concen: 49.800 ng  
RT: 15.015 min Scan# 2197  
Delta R.T. -0.006 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:252 Resp: 1076009  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.8 26.6  
125 9.7 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 57.158 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

Instrument :

BNA\_F

ClientSampleId :

PB166115BS

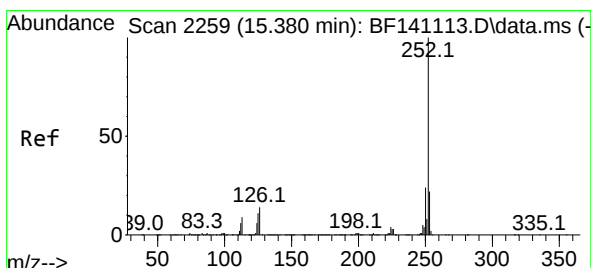
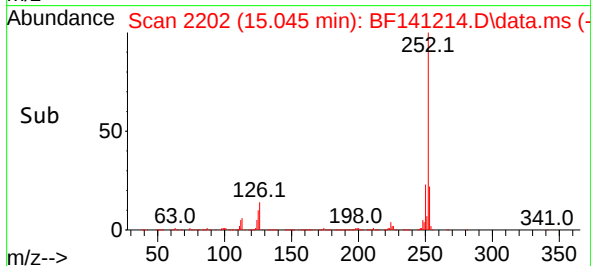
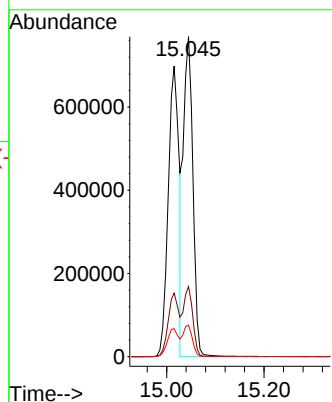
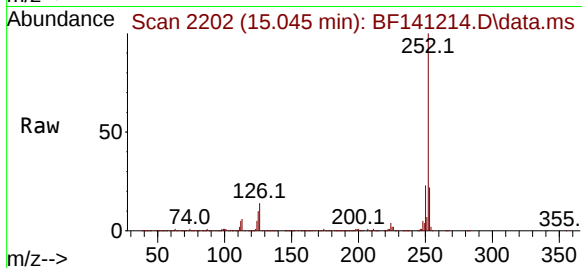
Tgt Ion:252 Resp: 1043658

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.8

125 9.9 7.9 11.9



#90

Benzo(a)pyrene

Concen: 55.453 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.006 min

Lab File: BF141214.D

Acq: 20 Jan 2025 11:30

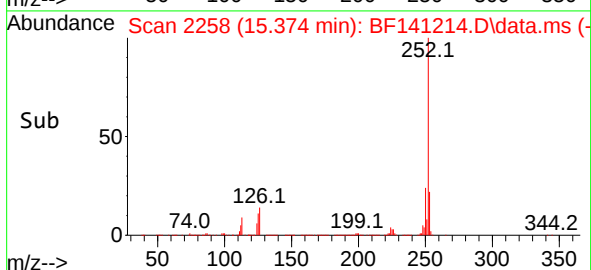
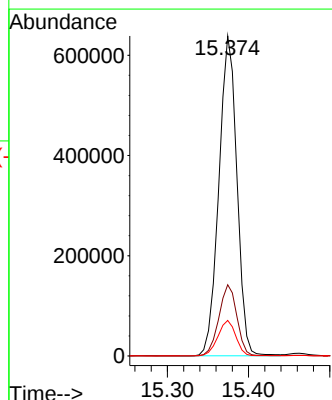
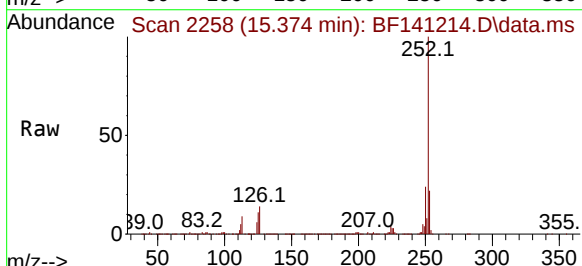
Tgt Ion:252 Resp: 988532

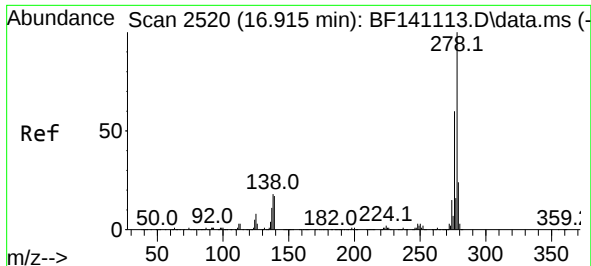
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 11.1 9.1 13.7



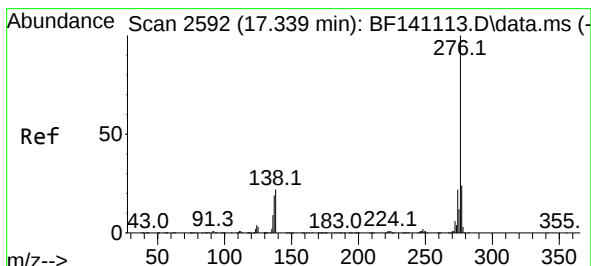
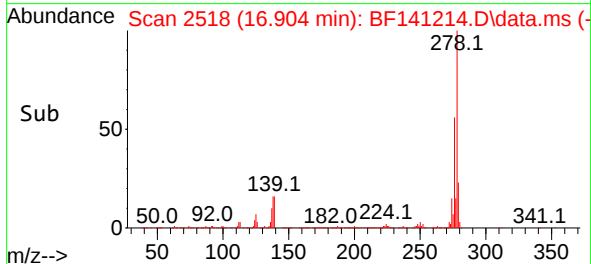
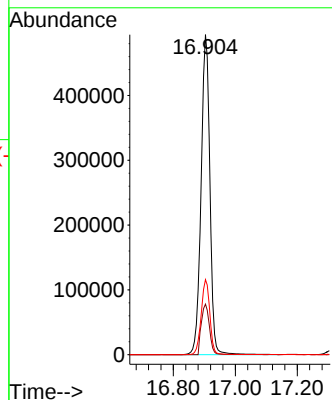
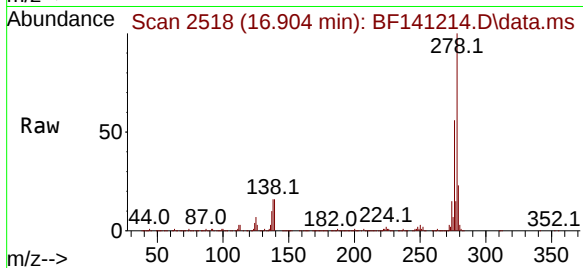


#91  
Dibenzo(a,h)anthracene  
Concen: 49.103 ng  
RT: 16.904 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Instrument :  
BNA\_F  
ClientSampleId :  
PB166115BS

Tgt Ion:278 Resp: 974928  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 15.8  | 13.8  | 20.6  |
| 279 | 23.4  | 19.1  | 28.7  |



#92  
Benzo(g,h,i)perylene  
Concen: 45.117 ng  
RT: 17.321 min Scan# 2589  
Delta R.T. -0.018 min  
Lab File: BF141214.D  
Acq: 20 Jan 2025 11:30

Tgt Ion:276 Resp: 931749  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 24.0  | 19.0  | 28.4  |
| 138 | 21.1  | 17.4  | 26.2  |

