

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011525\  
 Data File : BF141170.D  
 Acq On : 15 Jan 2025 12:38  
 Operator : RC/JU  
 Sample : PB166052BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166052BS

Quant Time: Jan 15 15:24:50 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     | 6.822  | 152  | 127479   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 506328   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 267808   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 466174   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 323562   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 280381   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1163086  | 140.944 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.445  | 99   | 1438329  | 137.599 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 920245   | 96.342  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 480965   | 157.616 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.180  | 172  | 1697898  | 96.814  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2029563  | 93.229  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 160846   | 43.770  | ng    | 98       |
| 3) Pyridine                   | 3.375  | 79   | 401918   | 44.601  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 221055   | 50.169  | ng    | 99       |
| 6) Aniline                    | 6.481  | 93   | 356851   | 38.451  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 474319   | 53.574  | ng    | 96       |
| 9) Benzaldehyde               | 6.369  | 77   | 57017    | 9.261   | ng    | 97       |
| 10) Phenol                    | 6.463  | 94   | 557290   | 49.804  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 418759   | 50.217  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 486838   | 49.303  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.839  | 146  | 492556   | 49.501  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 469550   | 50.588  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 403011   | 53.387  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.092  | 45   | 565690   | 48.613  | ng    | 96       |
| 17) 2-Methylphenol            | 7.069  | 107  | 380332   | 53.210  | ng    | 99       |
| 18) Hexachloroethane          | 7.334  | 117  | 177352   | 49.286  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.234  | 70   | 309803   | 50.313  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.222  | 107  | 459723   | 50.980  | ng    | # 90     |
| 22) Acetophenone              | 7.228  | 105  | 612166   | 50.858  | ng    | # 96     |
| 24) Nitrobenzene              | 7.404  | 77   | 482305   | 48.448  | ng    | 99       |
| 25) Isophorone                | 7.639  | 82   | 837162   | 51.285  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.716  | 139  | 241488   | 53.327  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.751  | 122  | 374172   | 61.258  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.851  | 93   | 502388   | 49.040  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.957  | 162  | 378003   | 52.106  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 400024   | 48.242  | ng    | 99       |
| 31) Naphthalene               | 8.122  | 128  | 1328287  | 49.746  | ng    | 100      |
| 32) Benzoic acid              | 7.869  | 122  | 302120   | 51.562  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 197447   | 21.382  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 243694   | 48.773  | ng    | 100      |
| 35) Caprolactam               | 8.539  | 113  | 89959    | 37.877  | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 414084   | 52.192  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.816  | 142  | 869857   | 51.122  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 807327   | 48.144  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.980  | 216  | 395660   | 51.474  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 485084   | 192.892 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.092  | 196  | 288020   | 55.558  | ng    | 98       |

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 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

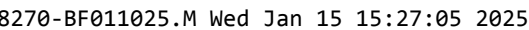
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166052BS

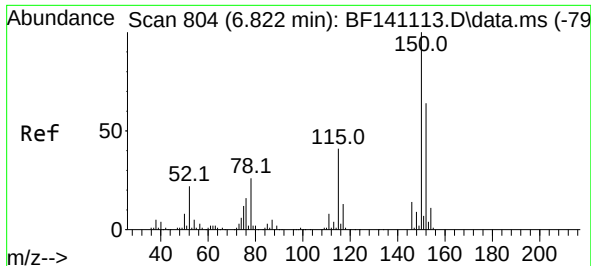
Quant Time: Jan 15 15:24:50 2025  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.133  | 196  | 275966   | 50.404  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.280  | 154  | 1064513  | 51.183  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 797294   | 49.219  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.398  | 65   | 257290   | 53.581  | ng    | 99       |
| 49) Acenaphthylene            | 9.722  | 152  | 1264438  | 54.634  | ng    | 100      |
| 50) Dimethylphthalate         | 9.586  | 163  | 922734   | 51.323  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.645  | 165  | 210873   | 50.437  | ng    | 99       |
| 52) Acenaphthene              | 9.892  | 154  | 944636   | 58.422  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.810  | 138  | 124626   | 29.333  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 245034   | 123.301 | ng    | 95       |
| 55) Dibenzofuran              | 10.069 | 168  | 1147203  | 52.161  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 376730   | 113.219 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 294468   | 54.651  | ng    | 98       |
| 58) Fluorene                  | 10.410 | 166  | 876890   | 51.320  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232  | 247659   | 54.419  | ng    | 99       |
| 60) Diethylphthalate          | 10.286 | 149  | 887513   | 50.565  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 420869   | 50.538  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.427 | 138  | 220671   | 53.066  | ng    | 99       |
| 63) Azobenzene                | 10.563 | 77   | 873462   | 50.433  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 163863   | 60.660  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 776049   | 51.612  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 275766   | 51.381  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 313193   | 52.421  | ng    | 99       |
| 69) Atrazine                  | 11.045 | 200  | 265174   | 65.497  | ng    | 99       |
| 70) Pentachlorophenol         | 11.151 | 266  | 406670   | 106.288 | ng    | 99       |
| 71) Phenanthrene              | 11.369 | 178  | 1361624  | 54.405  | ng    | 100      |
| 72) Anthracene                | 11.422 | 178  | 1365888  | 56.128  | ng    | 99       |
| 73) Carbazole                 | 11.574 | 167  | 1234264  | 55.314  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1307256  | 51.192  | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 1429737  | 57.247  | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 277768   | 46.293  | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 1461903  | 47.304  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 533517   | 51.779  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 1152698  | 52.347  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 227608   | 32.461  | ng    | 100      |
| 83) Chrysene                  | 14.015 | 228  | 1000459  | 48.556  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 641587   | 51.896  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.586 | 149  | 947435   | 50.749  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.898 | 276  | 1019288  | 49.621  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 1022166  | 56.536  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 779261   | 51.002  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 842373   | 56.471  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 819393   | 49.319  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 756968   | 43.803  | ng    | 99       |

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

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QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

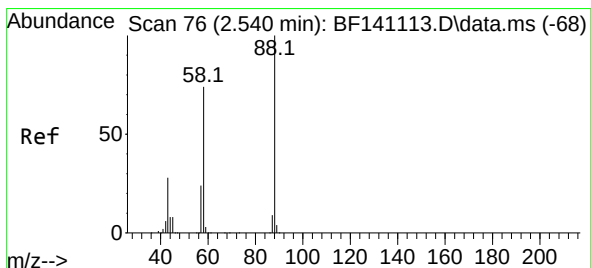
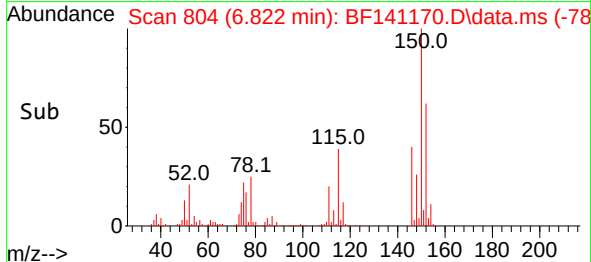
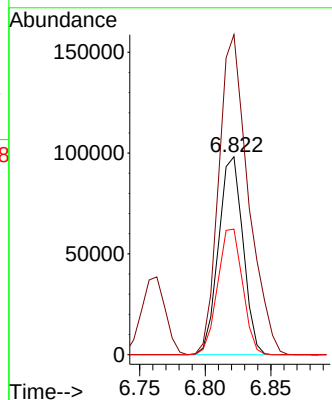
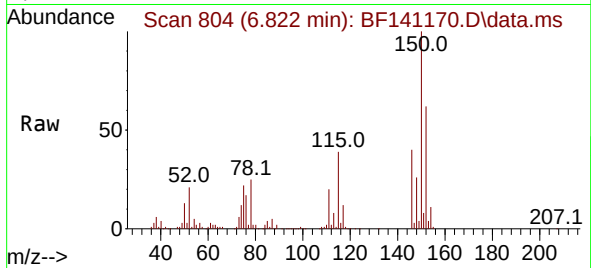




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.822 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

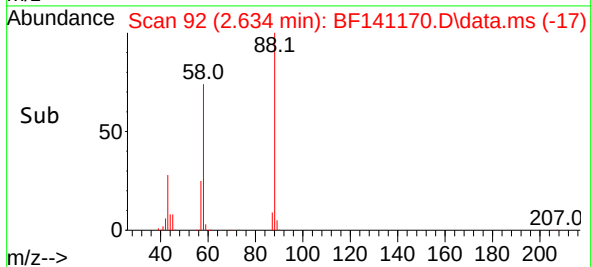
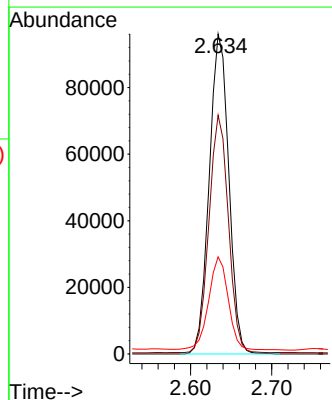
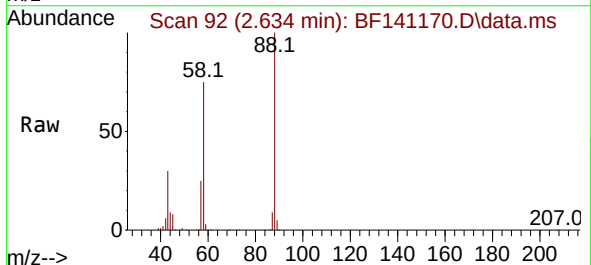
Instrument :  
 BNA\_F  
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 PB166052BS

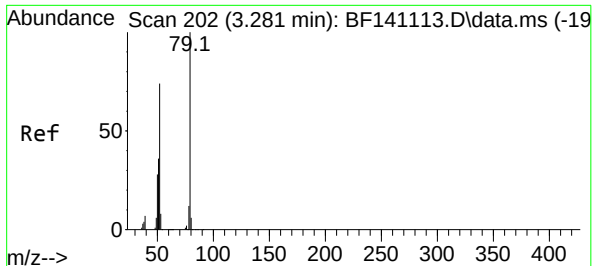
Tgt Ion:152 Resp: 127479  
 Ion Ratio Lower Upper  
 152 100  
 150 161.7 125.8 188.8  
 115 63.5 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 43.770 ng  
 RT: 2.634 min Scan# 92  
 Delta R.T. 0.094 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

Tgt Ion: 88 Resp: 160846  
 Ion Ratio Lower Upper  
 88 100  
 58 73.5 60.1 90.1  
 43 29.5 23.1 34.7

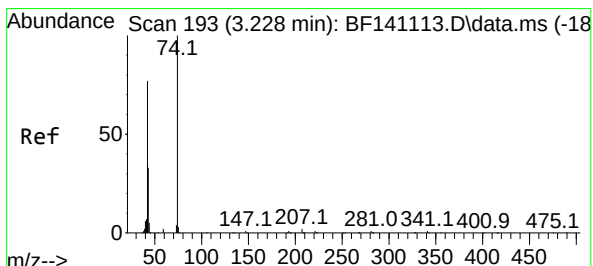
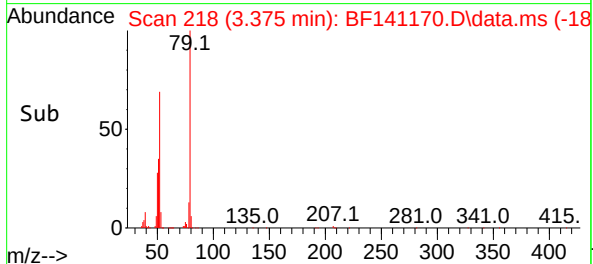
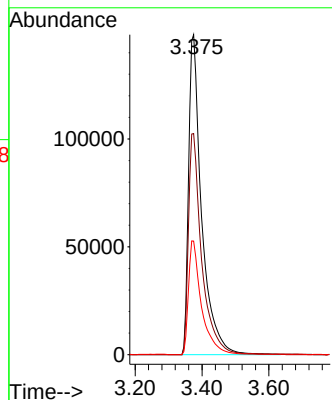
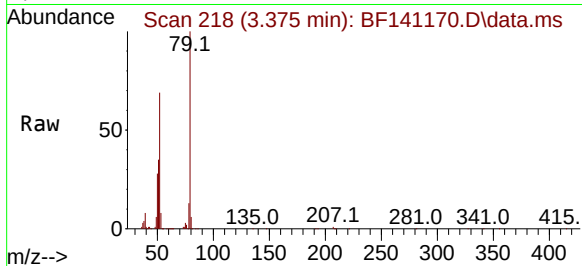




#3  
Pyridine  
Concen: 44.601 ng  
RT: 3.375 min Scan# 21  
Delta R.T. 0.094 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

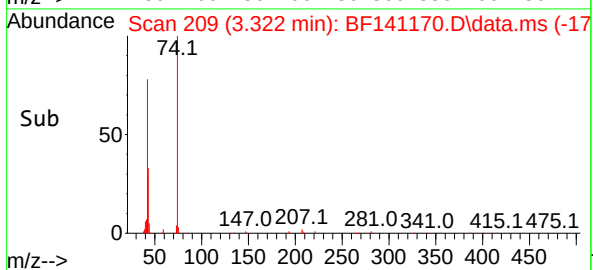
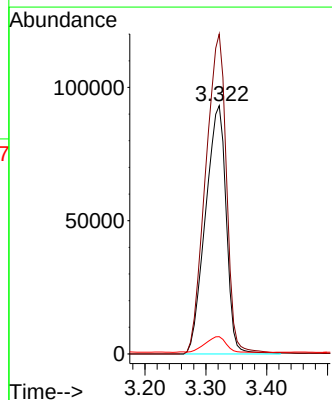
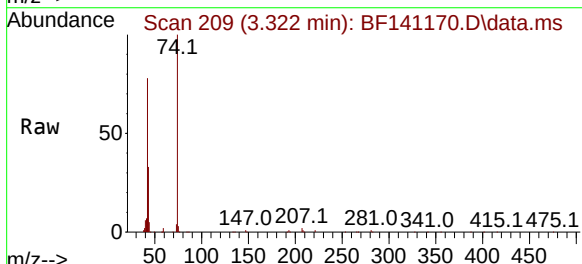
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ClientSampleId :  
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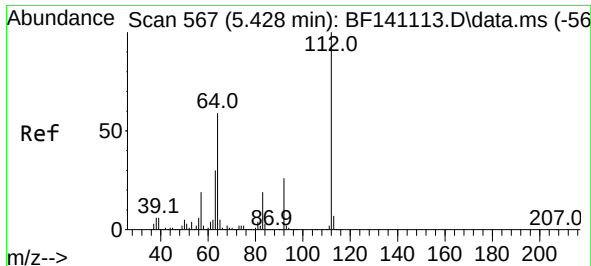
Tgt Ion: 79 Resp: 401918  
Ion Ratio Lower Upper  
79 100  
52 69.1 58.9 88.3  
51 35.5 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 50.169 ng  
RT: 3.322 min Scan# 209  
Delta R.T. 0.094 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion: 42 Resp: 221055  
Ion Ratio Lower Upper  
42 100  
74 128.9 103.8 155.6  
44 6.9 5.3 7.9

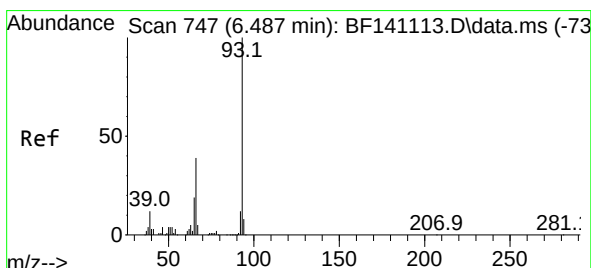
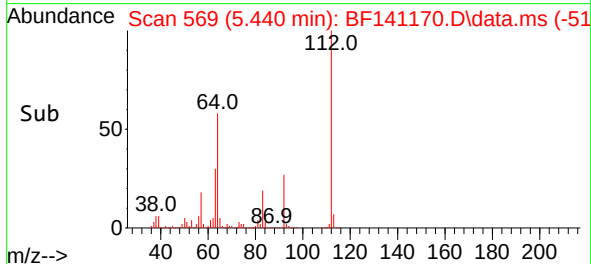
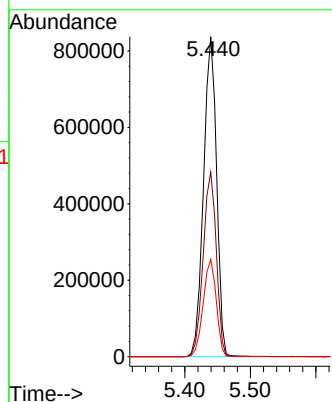
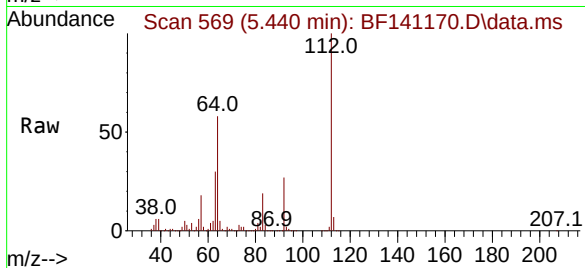




#5  
2-Fluorophenol  
Concen: 140.944 ng  
RT: 5.440 min Scan# 509  
Delta R.T. 0.012 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

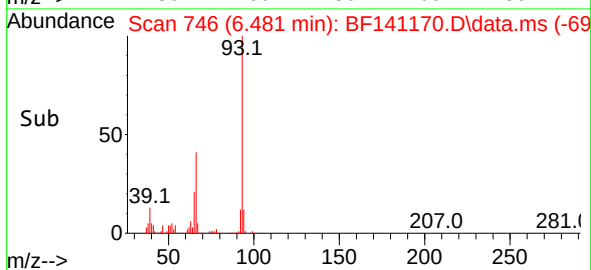
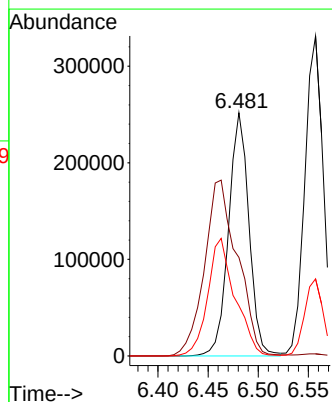
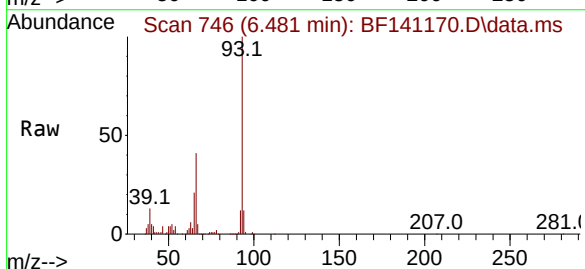
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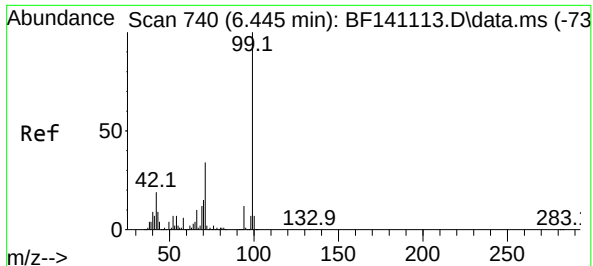
Tgt Ion:112 Resp: 1163086  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.3 70.9  
63 30.4 24.2 36.2



#6  
Aniline  
Concen: 38.451 ng  
RT: 6.481 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion: 93 Resp: 356851  
Ion Ratio Lower Upper  
93 100  
66 40.5 31.5 47.3  
65 20.7 15.3 22.9



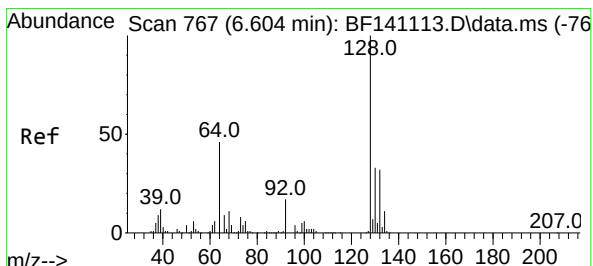
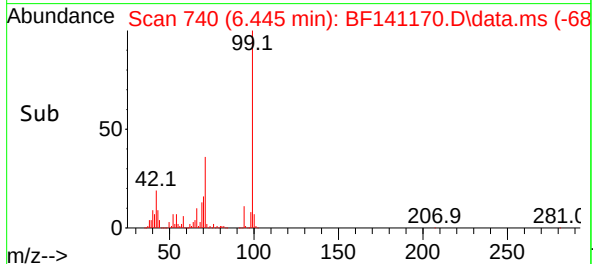
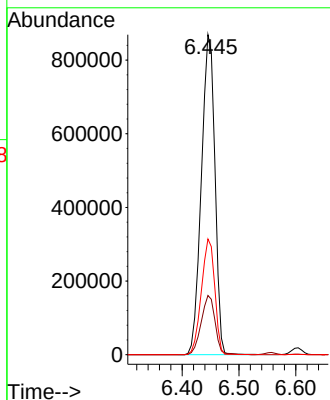
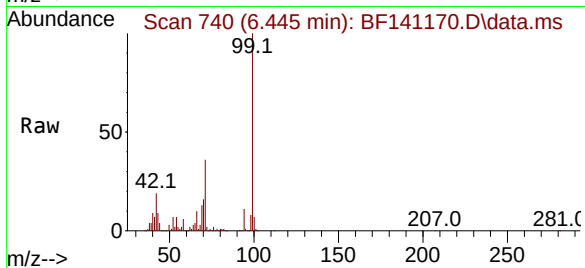


#7  
Phenol-d6  
Concen: 137.599 ng  
RT: 6.445 min Scan# 740  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion: 99 Resp: 1438329

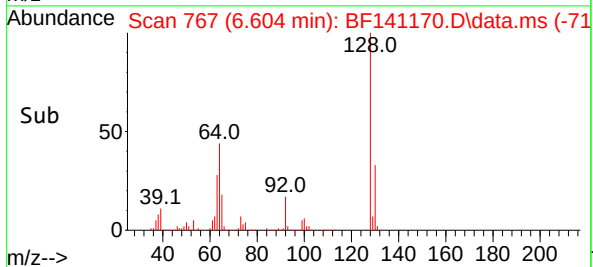
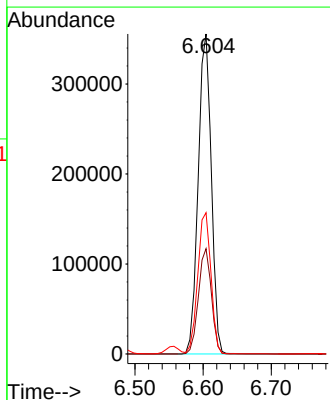
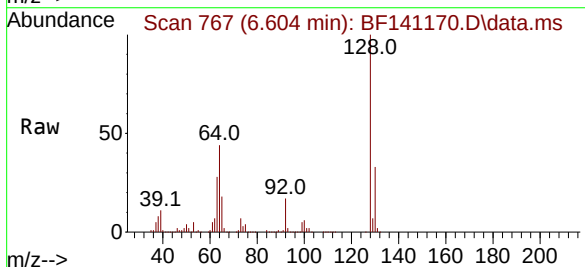
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.5  | 15.0  | 22.4  |
| 71  | 36.1  | 27.6  | 41.4  |

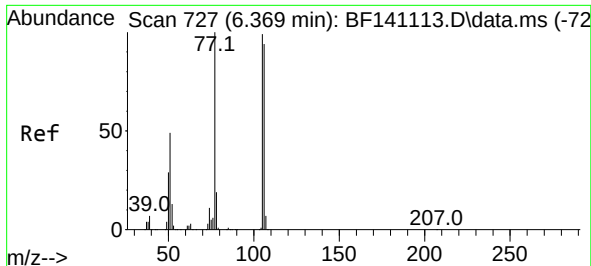


#8  
2-Chlorophenol  
Concen: 53.574 ng  
RT: 6.604 min Scan# 767  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion: 128 Resp: 474319

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.9  | 12.5  | 52.5  |
| 64  | 44.2  | 28.3  | 68.3  |





#9

Benzaldehyde

Concen: 9.261 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

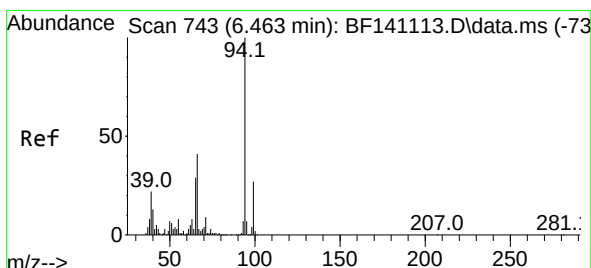
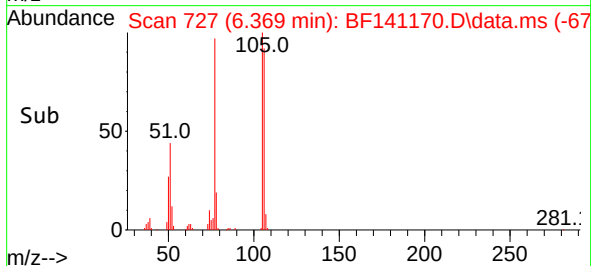
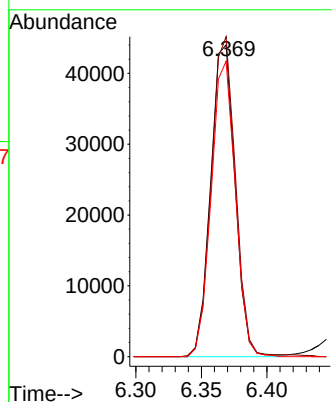
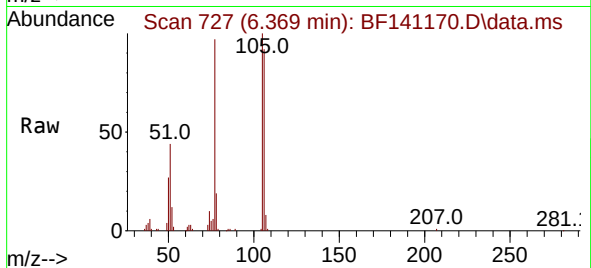
Tgt Ion: 77 Resp: 57017

Ion Ratio Lower Upper

77 100

105 102.6 78.9 118.9

106 94.8 73.6 113.6



#10

Phenol

Concen: 49.804 ng

RT: 6.463 min Scan# 743

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

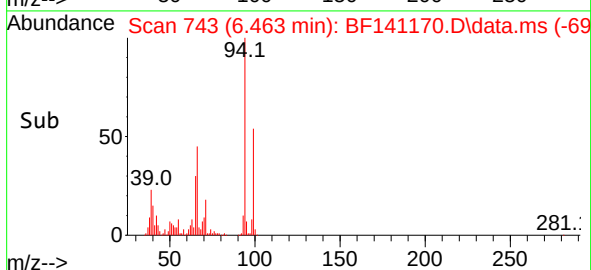
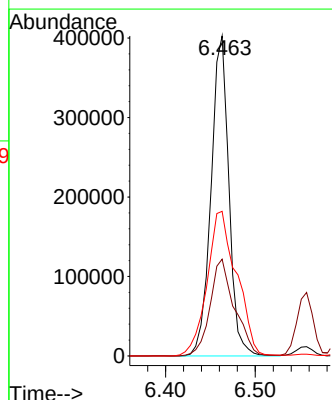
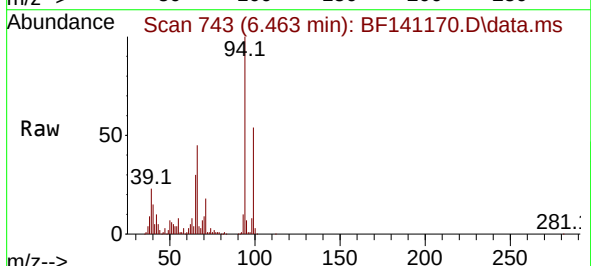
Tgt Ion: 94 Resp: 557290

Ion Ratio Lower Upper

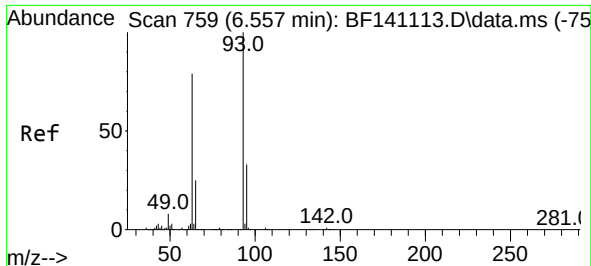
94 100

65 30.3 8.9 48.9

66 45.2 21.2 61.2



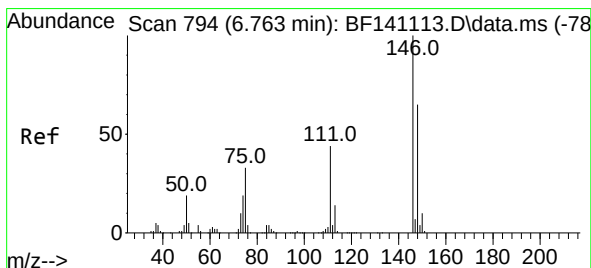
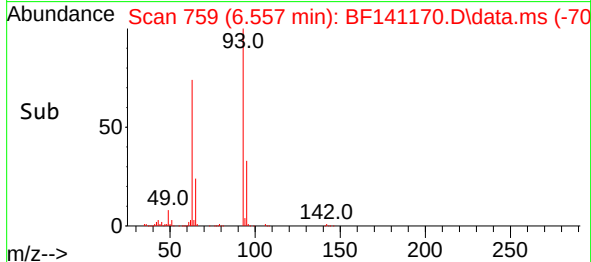
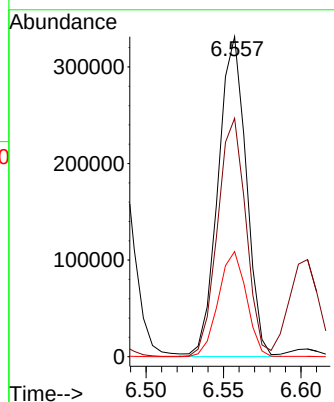
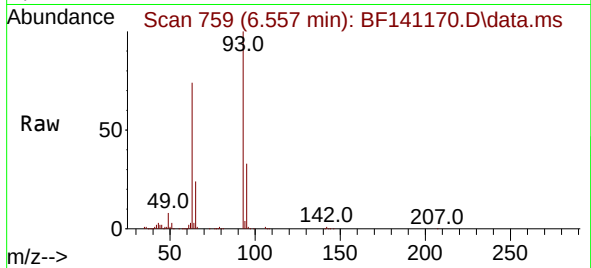




#11  
bis(2-Chloroethyl)ether  
Concen: 50.217 ng  
RT: 6.557 min Scan# 711  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

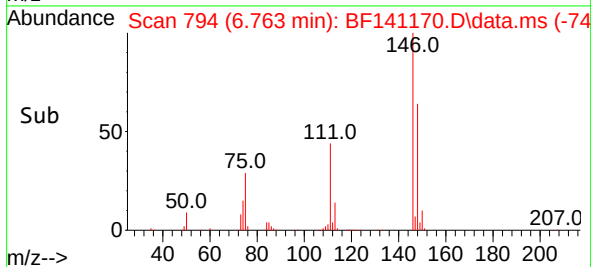
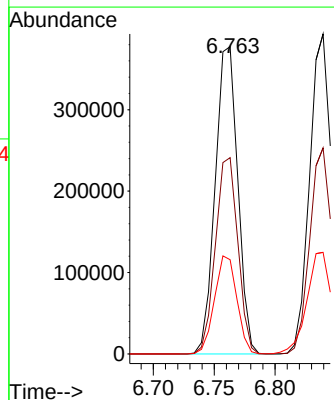
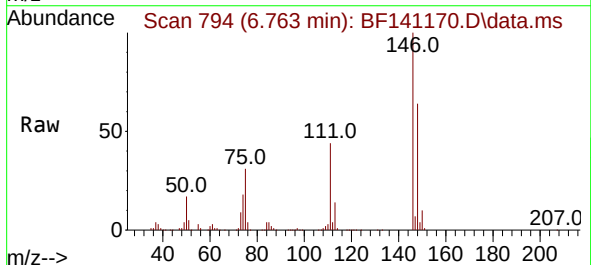
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

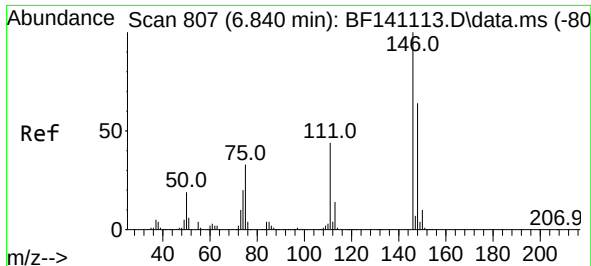
Tgt Ion: 93 Resp: 418759  
Ion Ratio Lower Upper  
93 100  
63 74.5 58.0 98.0  
95 32.9 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 49.303 ng  
RT: 6.763 min Scan# 794  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:146 Resp: 486838  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.6 77.4  
75 30.7 26.2 39.2

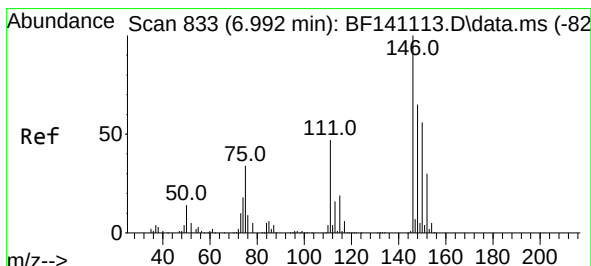
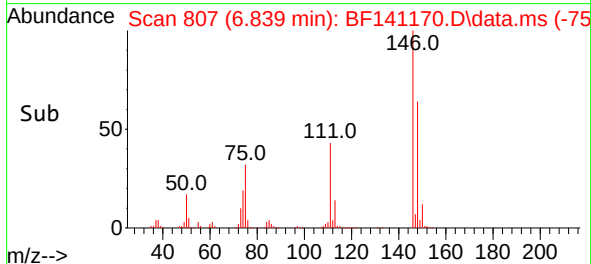
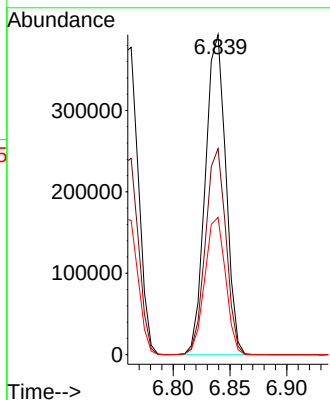
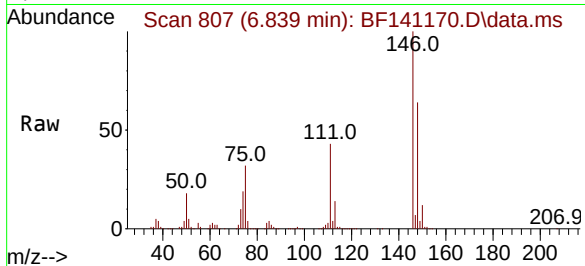




#13  
1,4-Dichlorobenzene  
Concen: 49.501 ng  
RT: 6.839 min Scan# 807  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

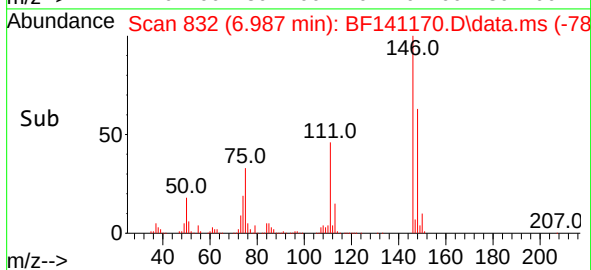
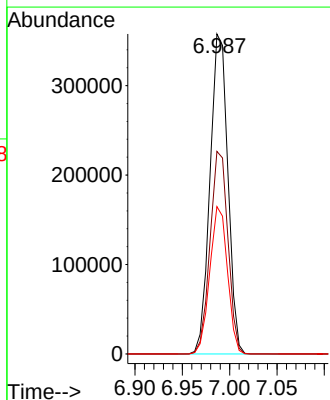
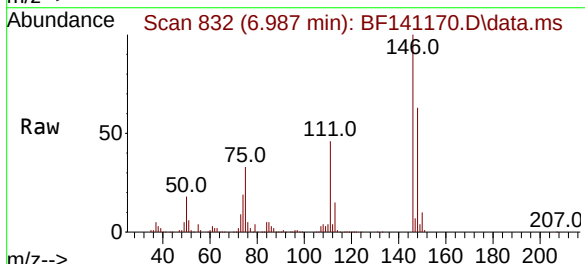
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

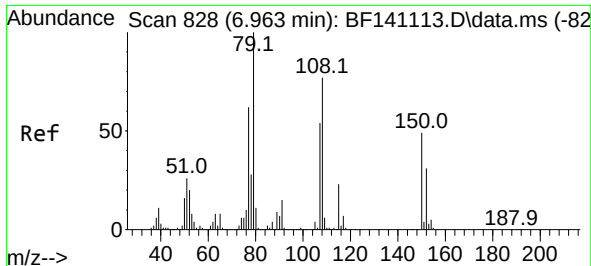
Tgt Ion:146 Resp: 492556  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.0 76.6  
111 42.9 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 50.588 ng  
RT: 6.987 min Scan# 832  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:146 Resp: 469550  
Ion Ratio Lower Upper  
146 100  
148 63.3 52.2 78.4  
111 46.0 37.5 56.3

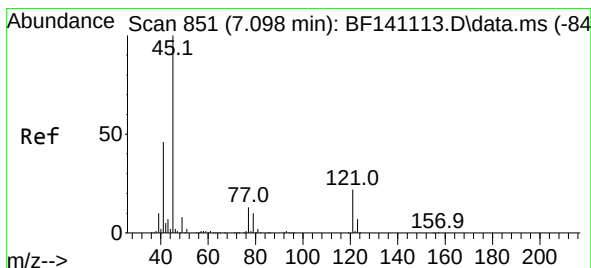
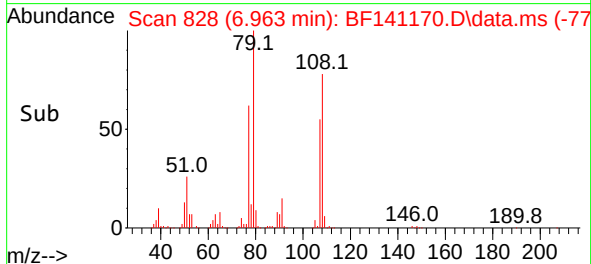
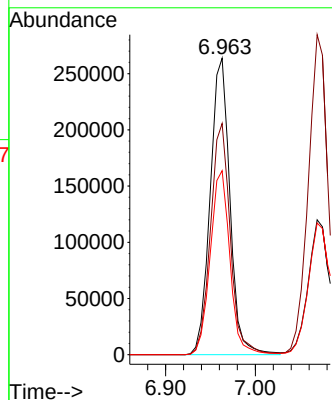
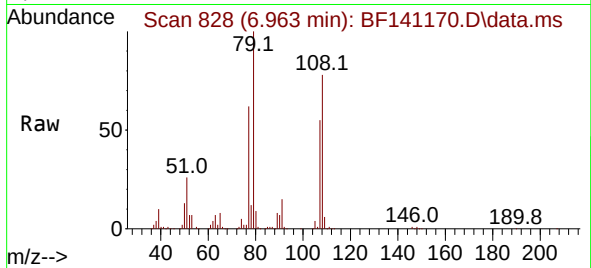




#15  
Benzyl Alcohol  
Concen: 53.387 ng  
RT: 6.963 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

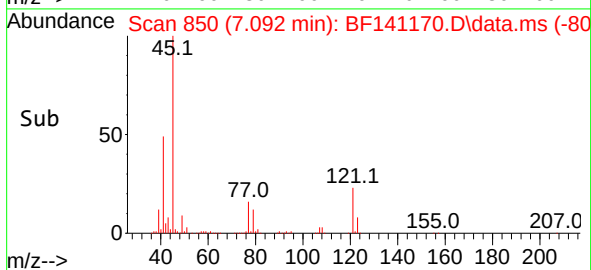
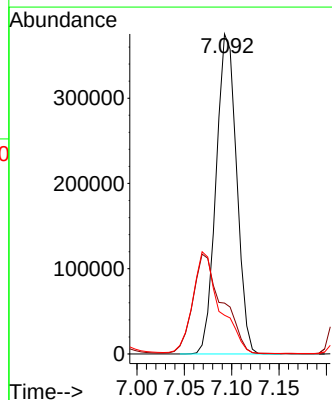
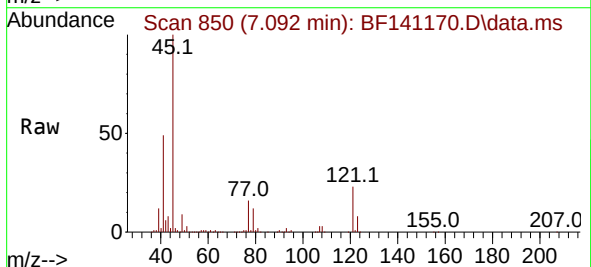
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

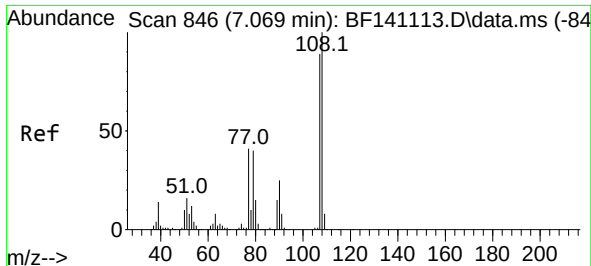
Tgt Ion: 79 Resp: 403011  
Ion Ratio Lower Upper  
79 100  
108 77.9 61.4 92.0  
77 62.1 49.8 74.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.613 ng  
RT: 7.092 min Scan# 850  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

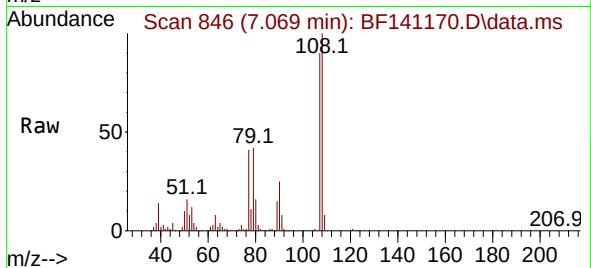
Tgt Ion: 45 Resp: 565690  
Ion Ratio Lower Upper  
45 100  
77 15.9 0.0 34.1  
79 12.1 0.0 31.0



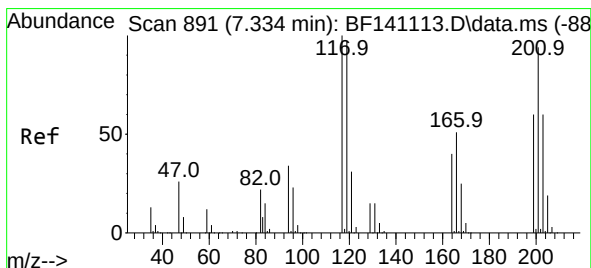
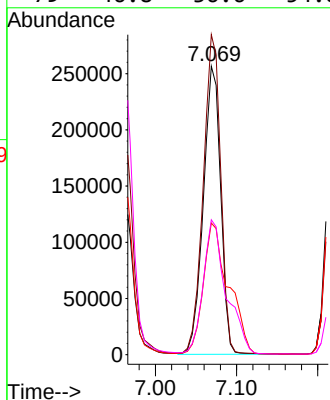
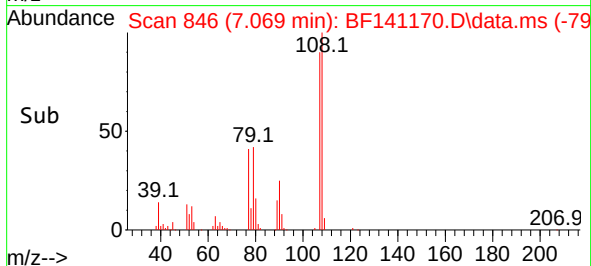


#17  
2-Methylphenol  
Concen: 53.210 ng  
RT: 7.069 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

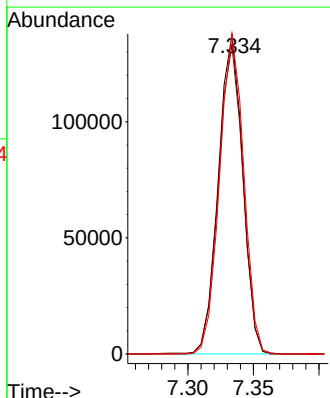
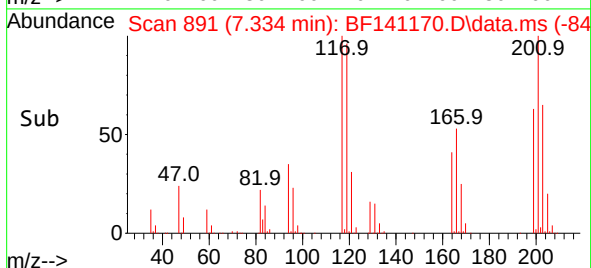
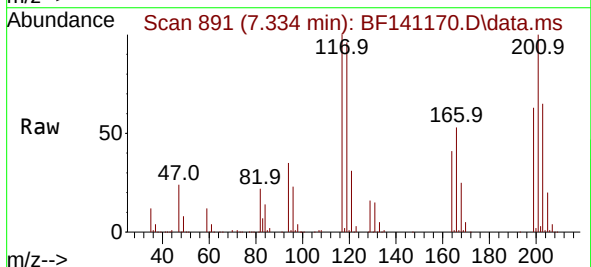


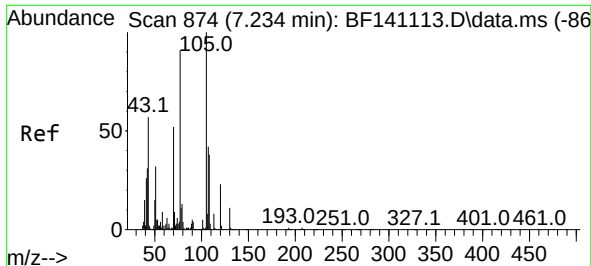
Tgt Ion:107 Resp: 380332  
Ion Ratio Lower Upper  
107 100  
108 111.0 90.1 135.1  
77 45.7 36.6 55.0  
79 46.8 36.6 54.8



#18  
Hexachloroethane  
Concen: 49.286 ng  
RT: 7.334 min Scan# 891  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:117 Resp: 177352  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.6 116.4  
201 100.3 75.1 112.7



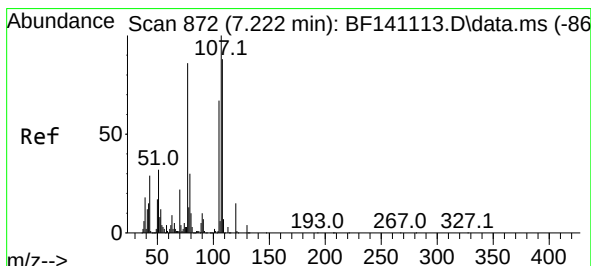
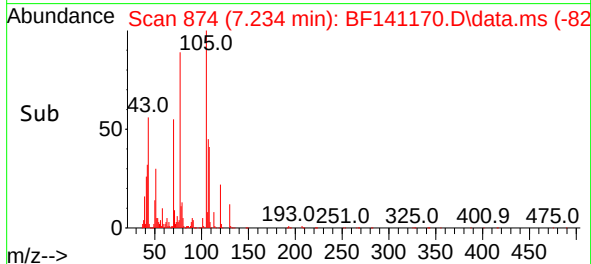
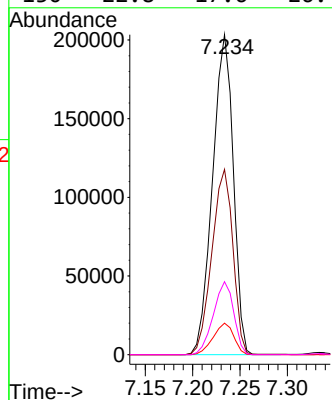
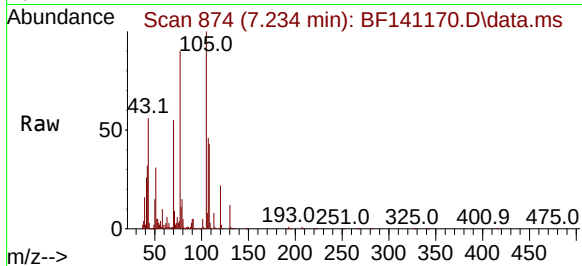


#19  
n-Nitroso-di-n-propylamine  
Concen: 50.313 ng  
RT: 7.234 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion: 70 Resp: 309803

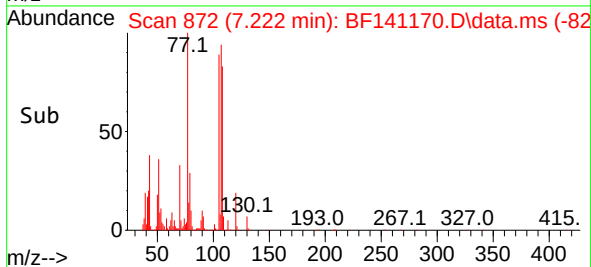
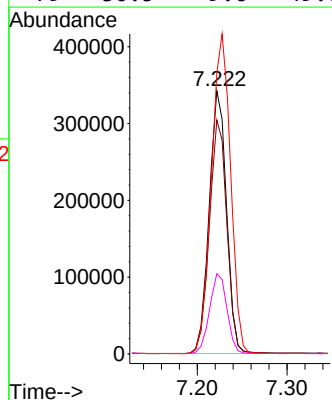
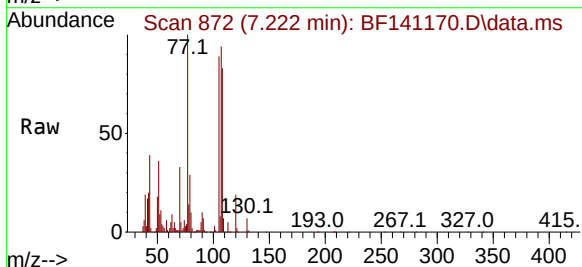
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.9  | 47.8  | 71.6  |
| 101 | 9.9   | 7.9   | 11.9  |
| 130 | 22.8  | 17.6  | 26.4  |

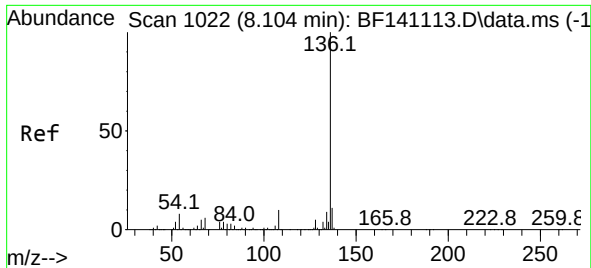


#20  
3+4-Methylphenols  
Concen: 50.980 ng  
RT: 7.222 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion: 107 Resp: 459723

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 88.9  | 68.3  | 108.3  |
| 77  | 106.8 | 66.4  | 106.4# |
| 79  | 30.5  | 9.6   | 49.6   |



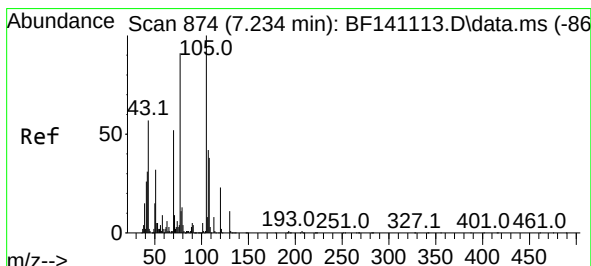
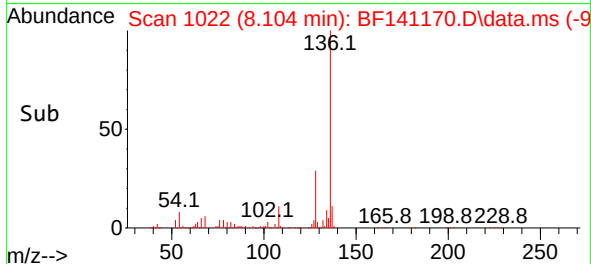
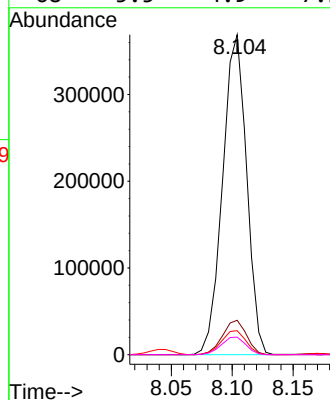
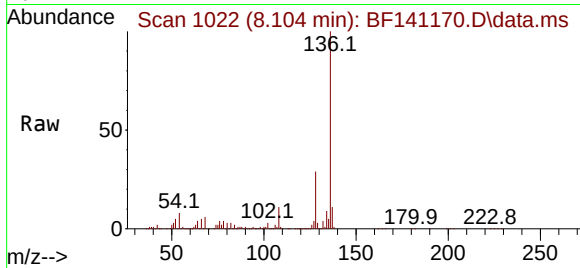


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion:136 Resp: 506328

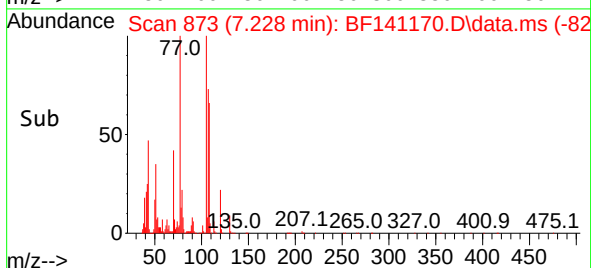
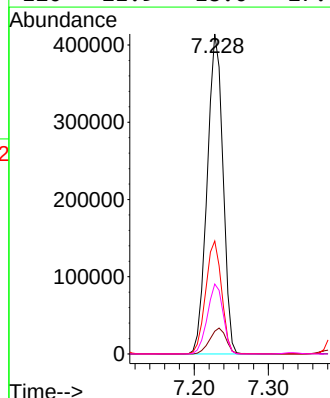
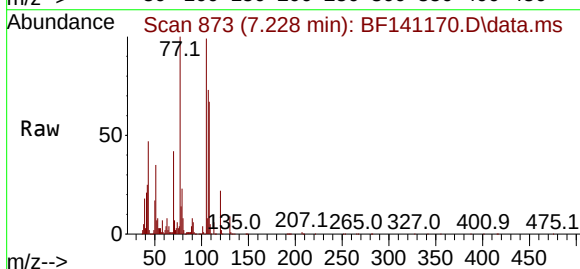
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.8   | 13.2  |
| 54  | 7.5   | 6.3   | 9.5   |
| 68  | 5.5   | 4.9   | 7.3   |

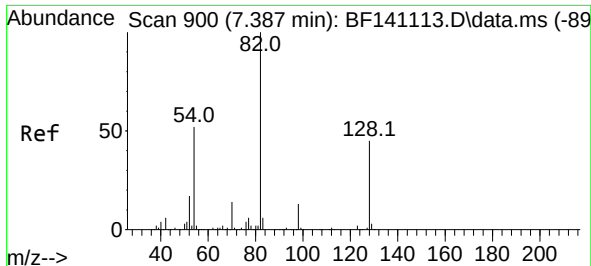


#22  
Acetophenone  
Concen: 50.858 ng  
RT: 7.228 min Scan# 873  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:105 Resp: 612166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.1   | 7.1   | 10.7# |
| 51  | 35.3  | 25.4  | 38.2  |
| 120 | 21.9  | 18.0  | 27.0  |





#23

Nitrobenzene-d5

Concen: 96.342 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

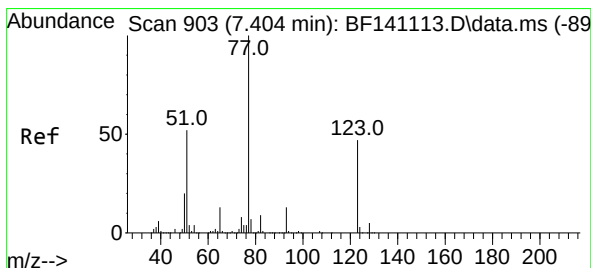
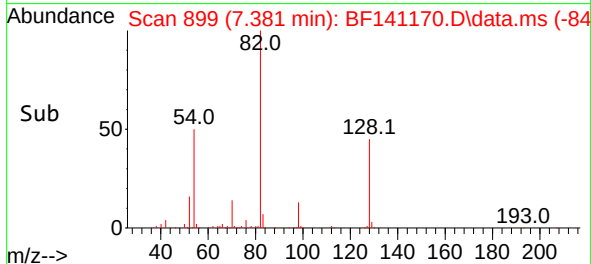
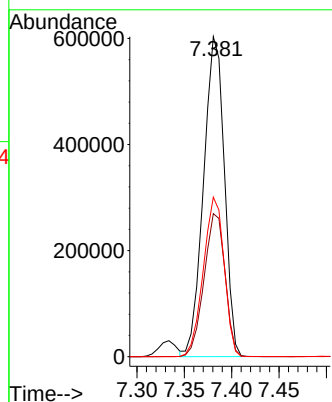
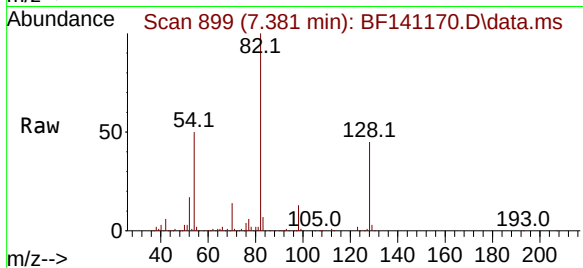
Tgt Ion: 82 Resp: 920245

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

54 49.9 41.0 61.4



#24

Nitrobenzene

Concen: 48.448 ng

RT: 7.404 min Scan# 903

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

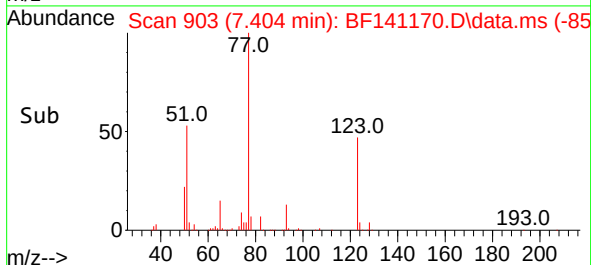
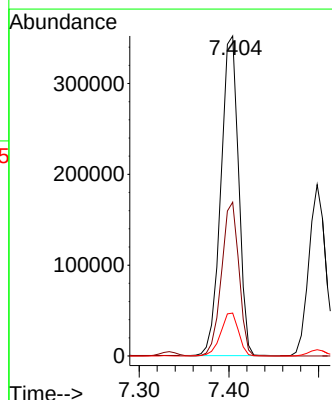
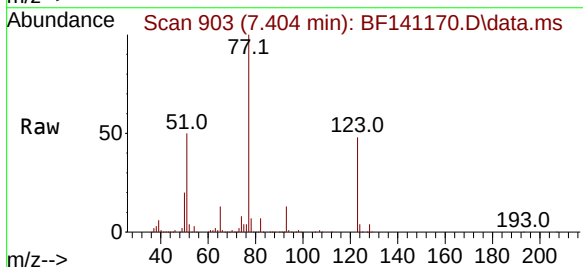
Tgt Ion: 77 Resp: 482305

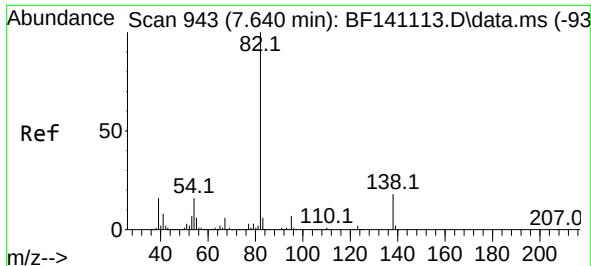
Ion Ratio Lower Upper

77 100

123 48.1 37.7 56.5

65 13.4 10.6 16.0

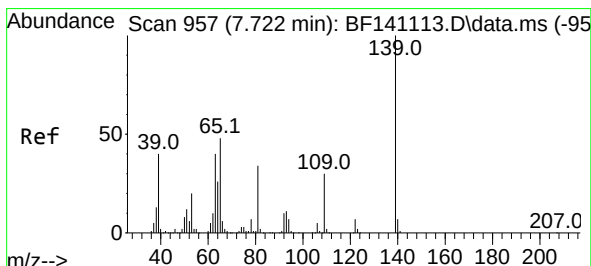
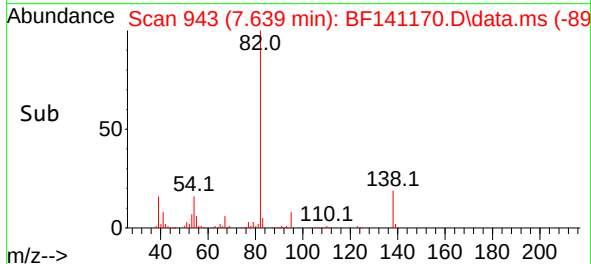
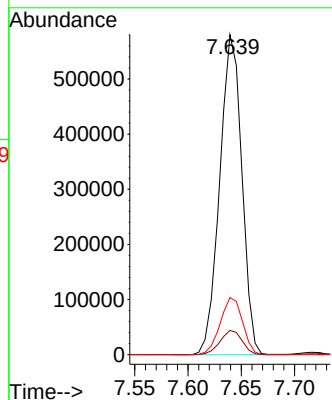
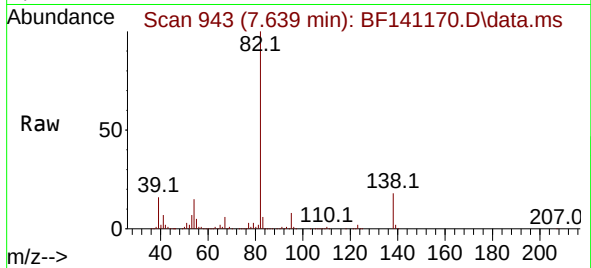




#25  
Isophorone  
Concen: 51.285 ng  
RT: 7.639 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

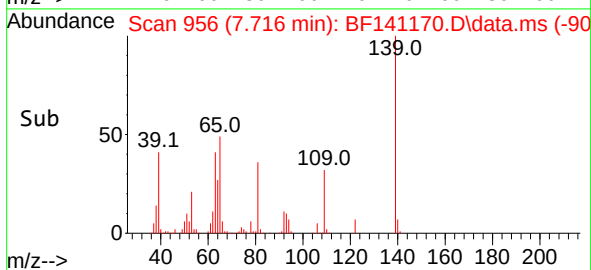
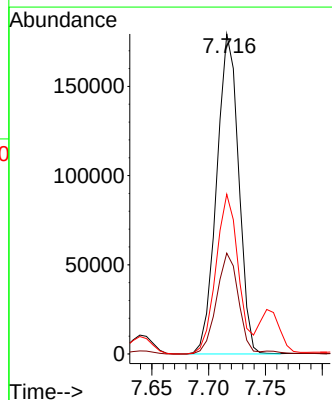
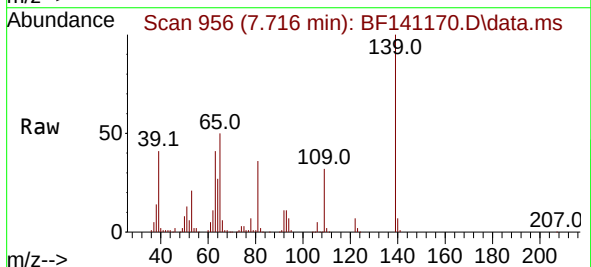
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion: 82 Resp: 837162  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.9 8.9  
138 17.9 14.2 21.2

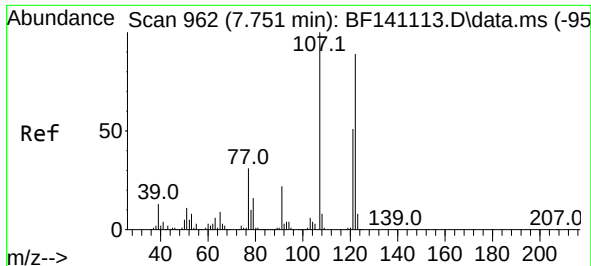


#26  
2-Nitrophenol  
Concen: 53.327 ng  
RT: 7.716 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:139 Resp: 241488  
Ion Ratio Lower Upper  
139 100  
109 31.5 23.8 35.6  
65 49.9 38.5 57.7



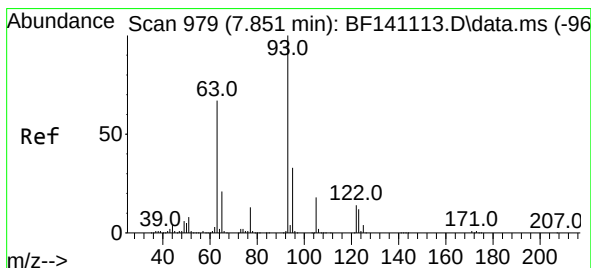
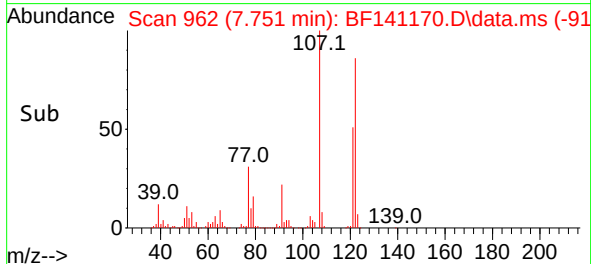
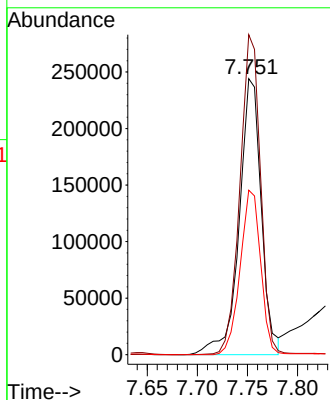
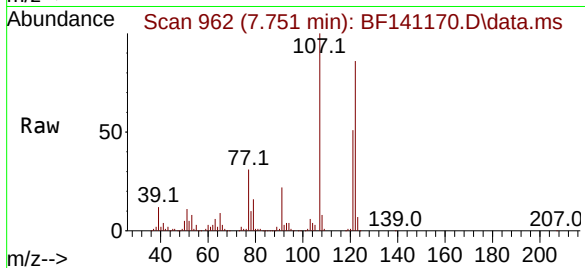




#27  
2,4-Dimethylphenol  
Concen: 61.258 ng  
RT: 7.751 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

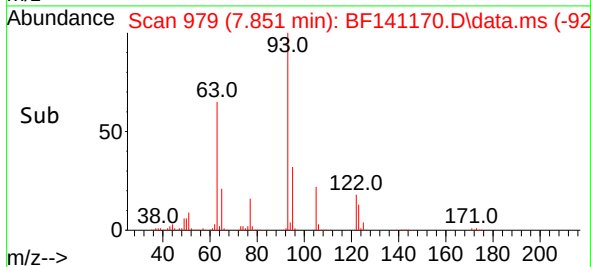
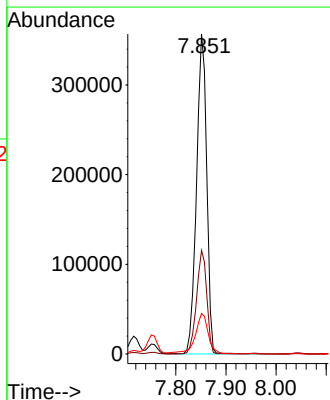
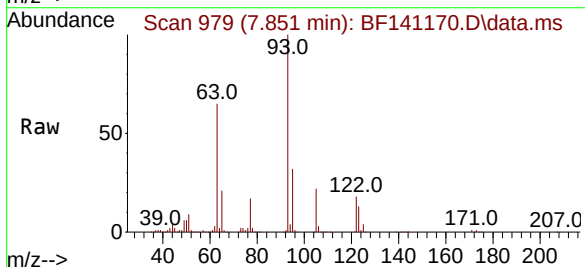
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

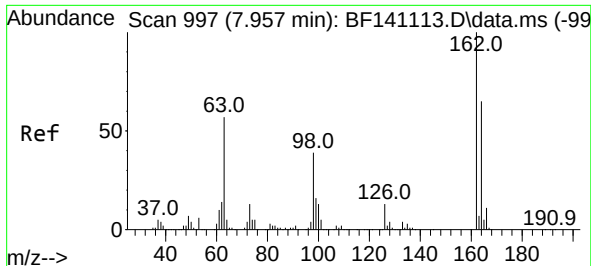
Tgt Ion:122 Resp: 374172  
Ion Ratio Lower Upper  
122 100  
107 115.9 90.3 135.5  
121 59.6 46.5 69.7



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.040 ng  
RT: 7.851 min Scan# 979  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion: 93 Resp: 502388  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.2 39.4  
123 12.6 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 52.106 ng

RT: 7.957 min Scan# 997

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

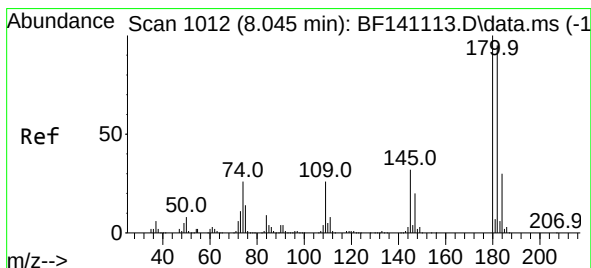
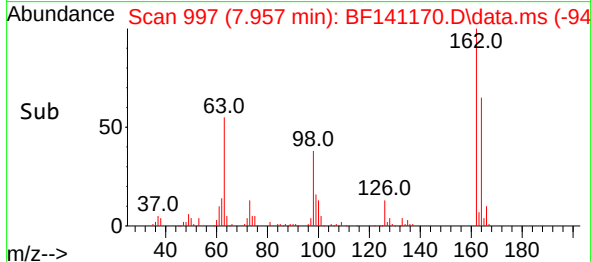
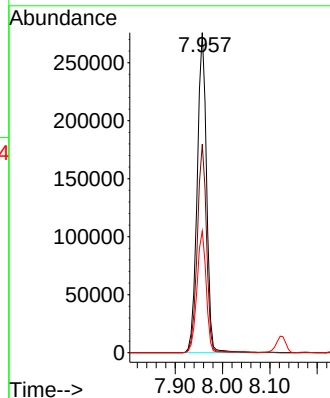
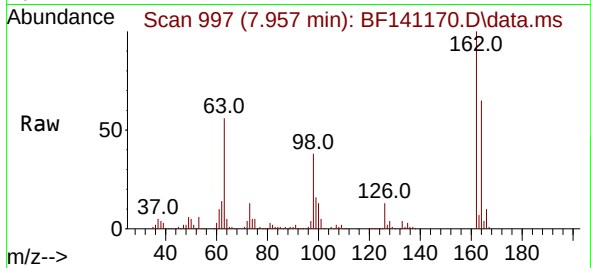
Tgt Ion:162 Resp: 378003

Ion Ratio Lower Upper

162 100

164 65.2 44.5 84.5

98 38.0 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 48.242 ng

RT: 8.045 min Scan# 1012

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

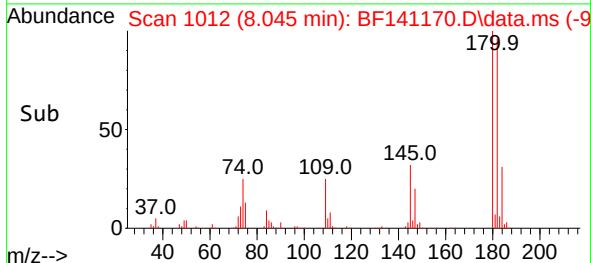
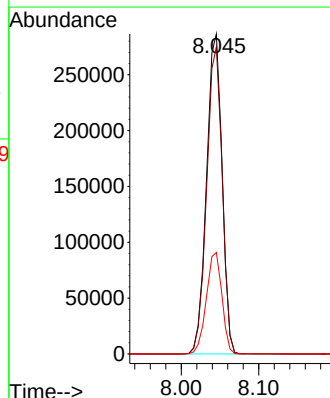
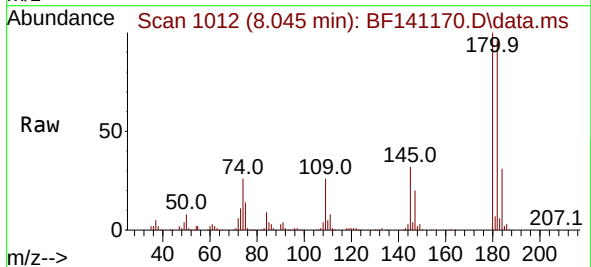
Tgt Ion:180 Resp: 400024

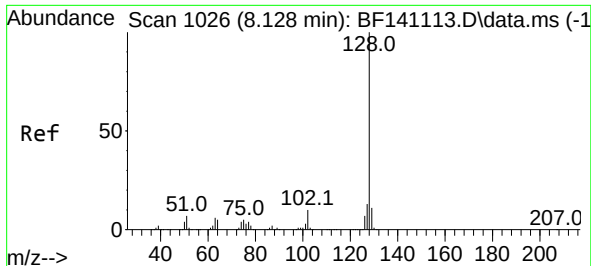
Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 31.7 25.3 37.9

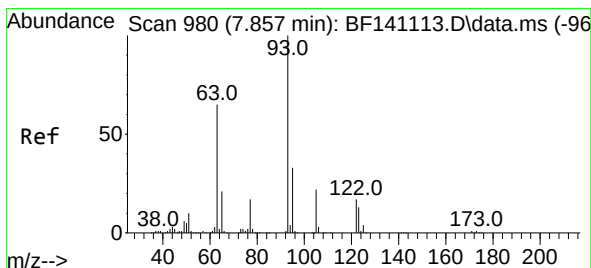
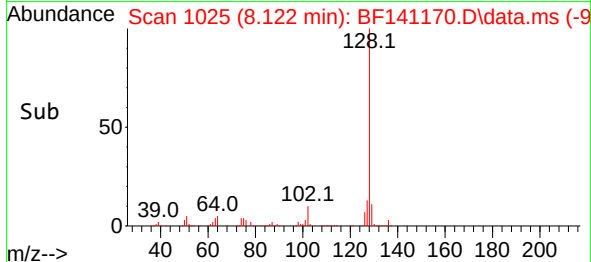
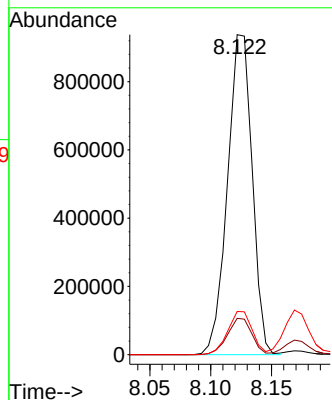
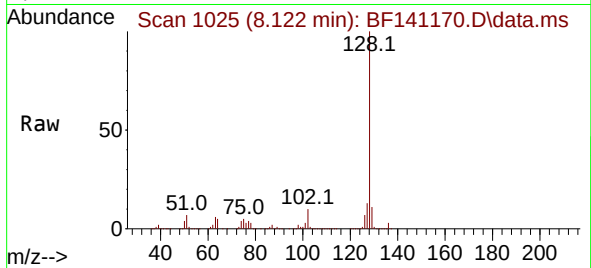




#31  
Naphthalene  
Concen: 49.746 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

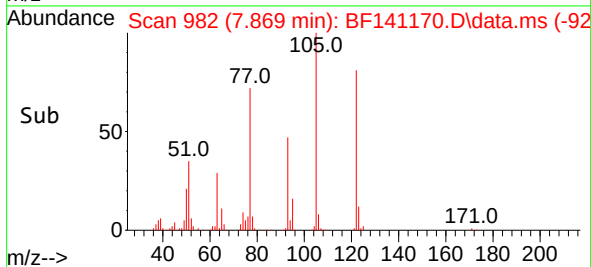
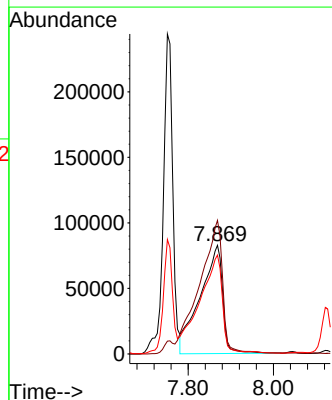
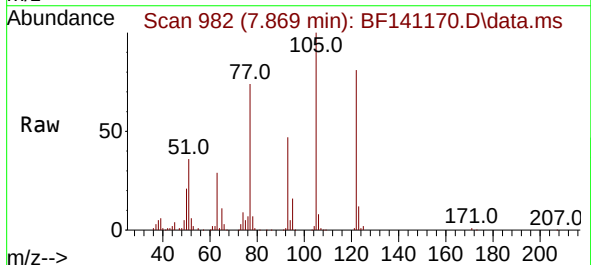
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

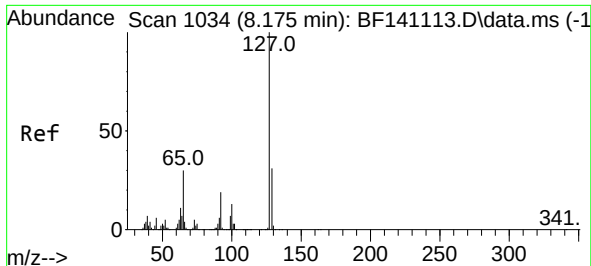
Tgt Ion:128 Resp: 1328287  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.6  
127 13.5 10.8 16.2



#32  
Benzoic acid  
Concen: 51.562 ng  
RT: 7.869 min Scan# 982  
Delta R.T. 0.012 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:122 Resp: 302120  
Ion Ratio Lower Upper  
122 100  
105 122.9 105.5 145.5  
77 91.1 75.1 115.1

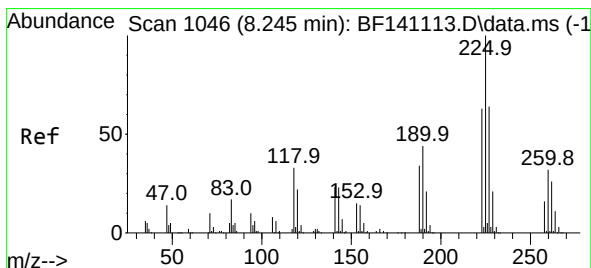
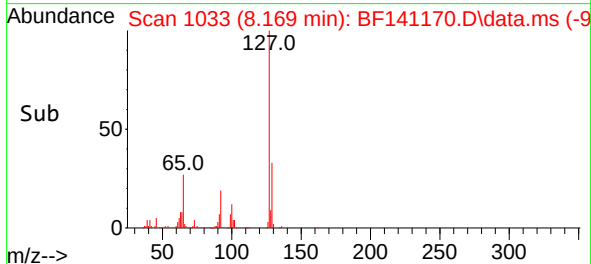
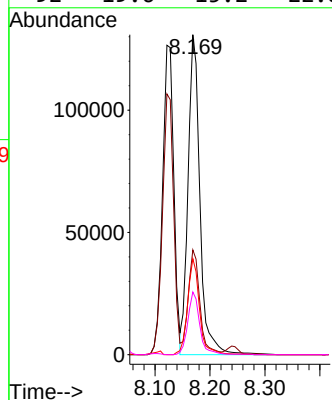
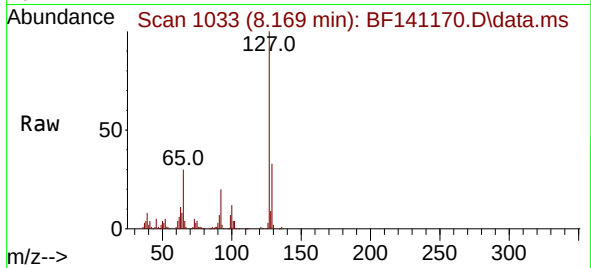




#33  
4-Chloroaniline  
Concen: 21.382 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

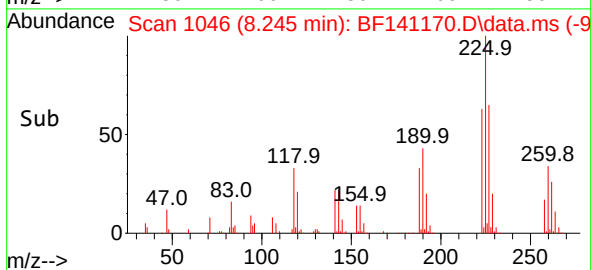
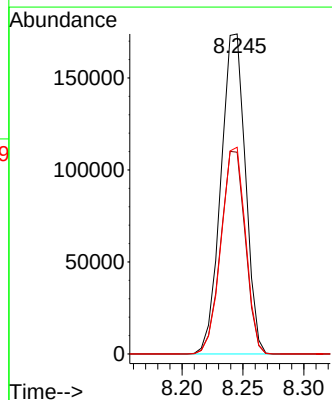
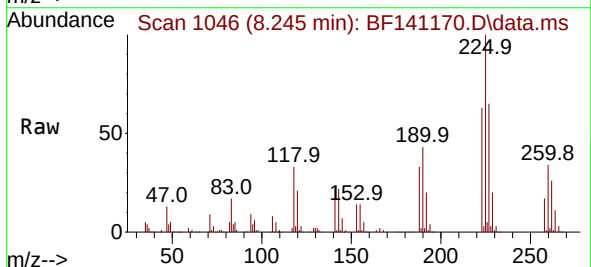
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

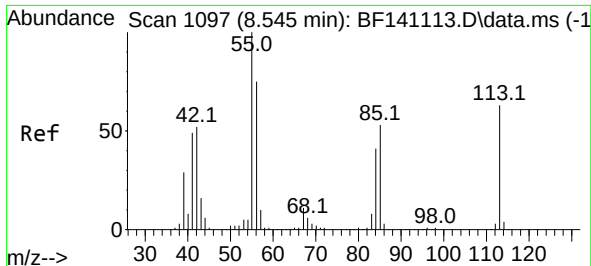
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 197447 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.7    | 25.9 38.9    |
| 65 30.0     | 23.8 35.8    |
| 92 19.6     | 15.2 22.8    |



#34  
Hexachlorobutadiene  
Concen: 48.773 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:225 | Resp: 243694 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 225 100     |              |       |  |
| 223 63.0    | 50.6         | 76.0  |  |
| 227 64.6    | 51.6         | 77.4  |  |

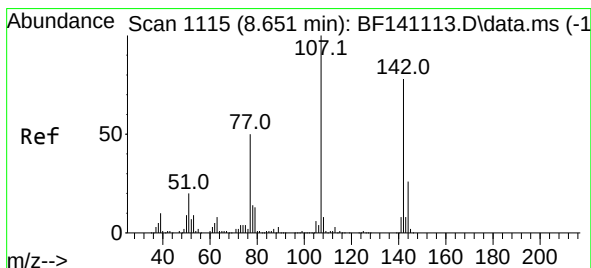
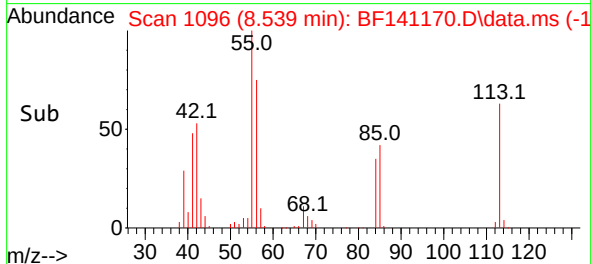
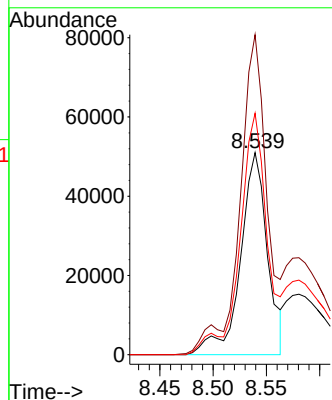
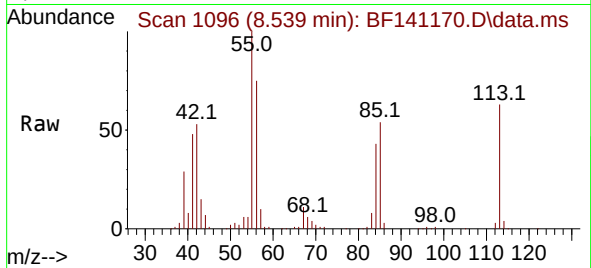




#35  
 Caprolactam  
 Concen: 37.877 ng  
 RT: 8.539 min Scan# 1096  
 Delta R.T. -0.006 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

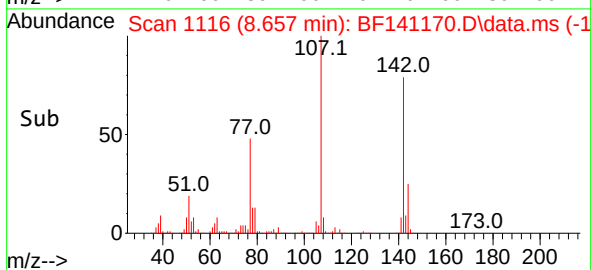
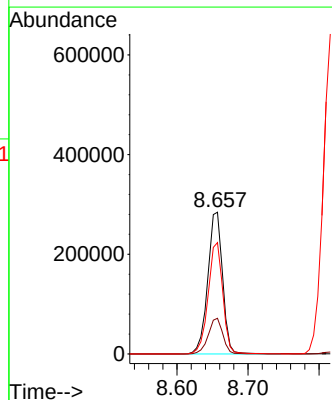
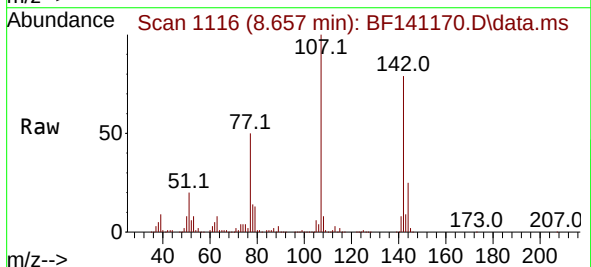
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166052BS

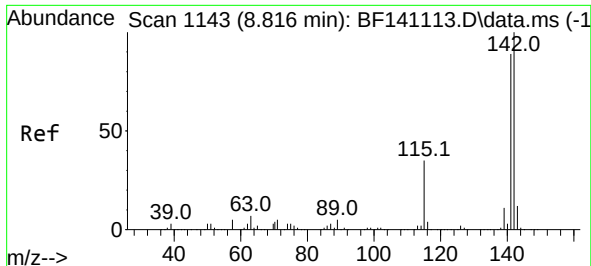
Tgt Ion:113 Resp: 89959  
 Ion Ratio Lower Upper  
 113 100  
 55 158.4 139.7 179.7  
 56 119.5 99.4 139.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 52.192 ng  
 RT: 8.657 min Scan# 1116  
 Delta R.T. 0.006 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

Tgt Ion:107 Resp: 414084  
 Ion Ratio Lower Upper  
 107 100  
 144 25.2 20.4 30.6  
 142 78.6 62.2 93.2





#37

2-Methylnaphthalene

Concen: 51.122 ng

RT: 8.816 min Scan# 1143

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

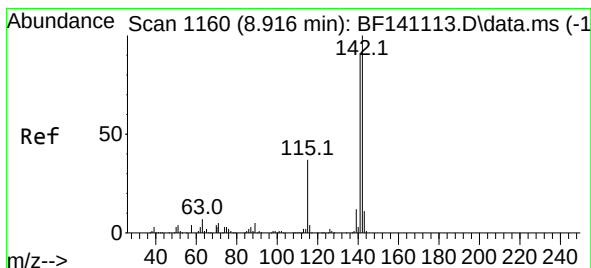
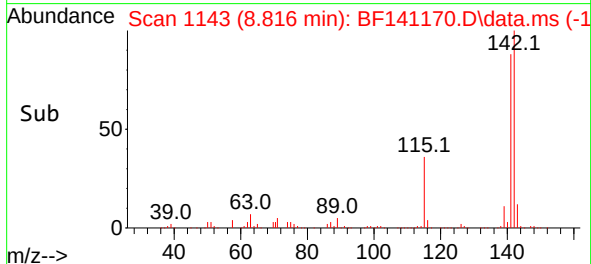
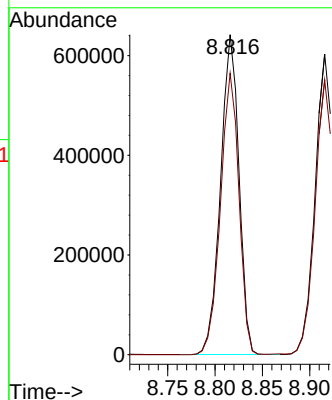
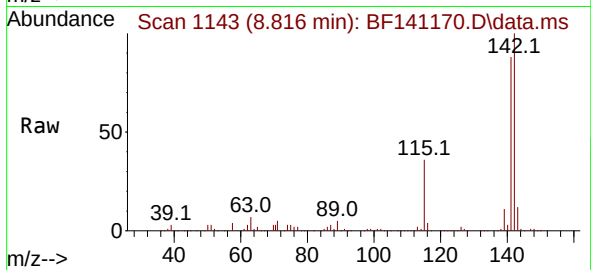
PB166052BS

Tgt Ion:142 Resp: 869857

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 48.144 ng

RT: 8.916 min Scan# 1160

Delta R.T. -0.000 min

Lab File: BF141170.D

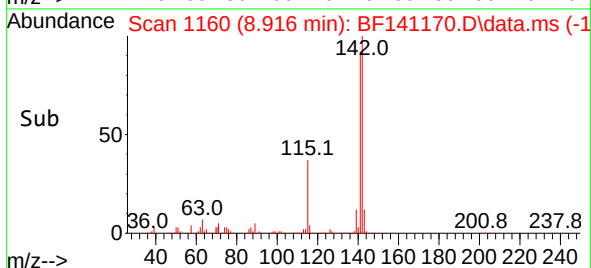
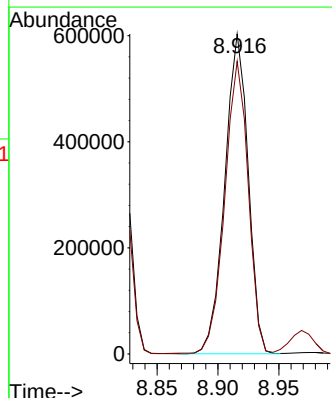
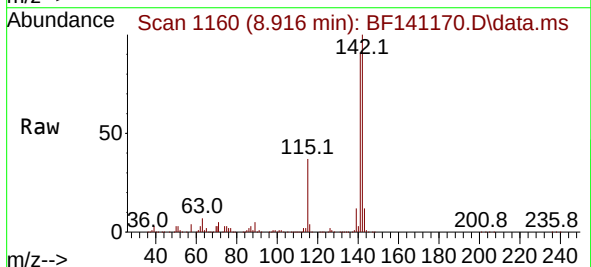
Acq: 15 Jan 2025 12:38

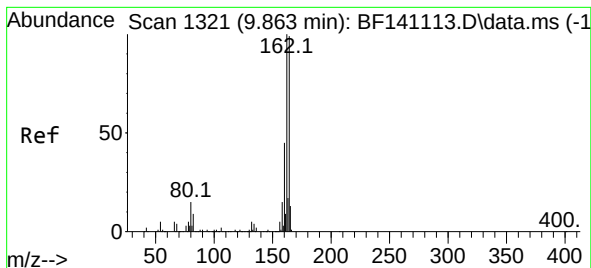
Tgt Ion:142 Resp: 807327

Ion Ratio Lower Upper

142 100

141 91.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

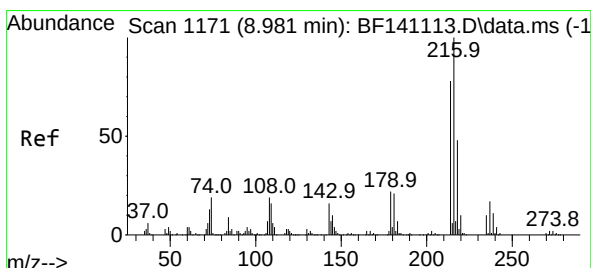
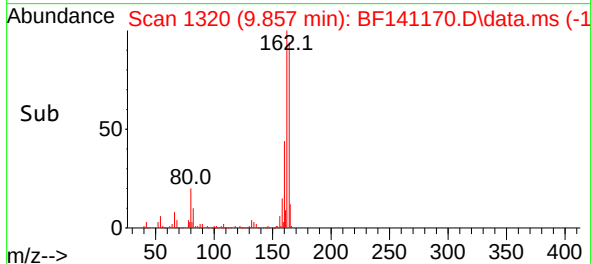
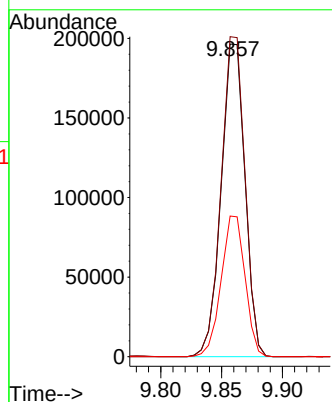
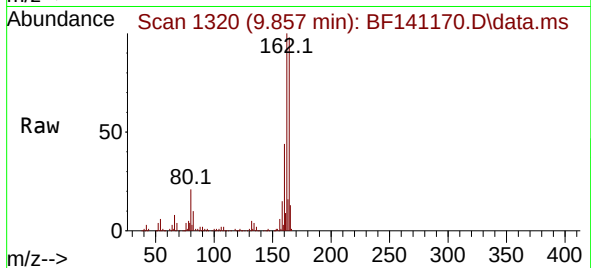
Tgt Ion:164 Resp: 267808

Ion Ratio Lower Upper

164 100

162 102.4 81.0 121.4

160 45.0 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.474 ng

RT: 8.980 min Scan# 1171

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Tgt Ion:216 Resp: 395660

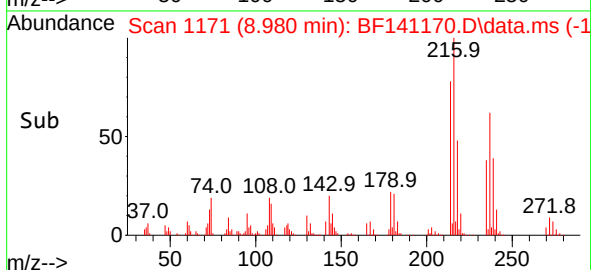
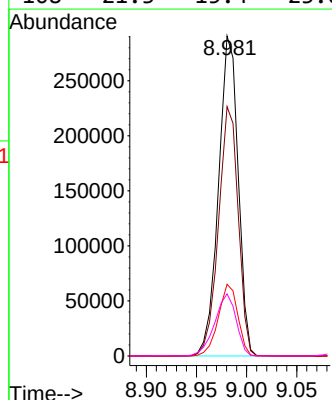
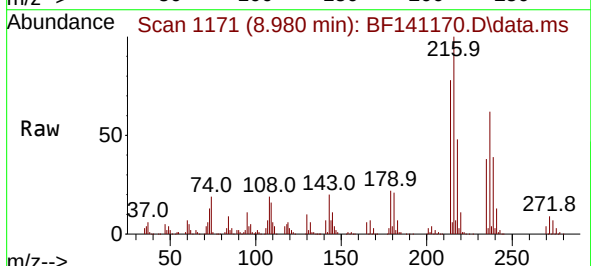
Ion Ratio Lower Upper

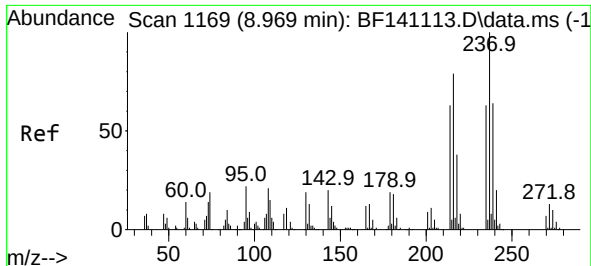
216 100

214 78.1 62.6 94.0

179 22.2 17.7 26.5

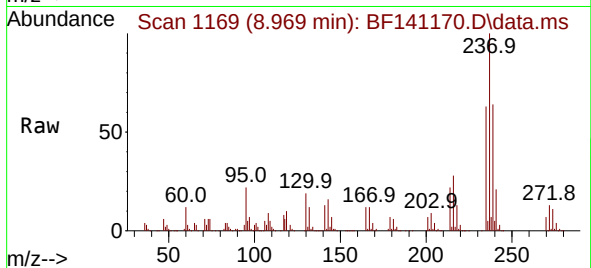
108 21.3 15.4 23.0



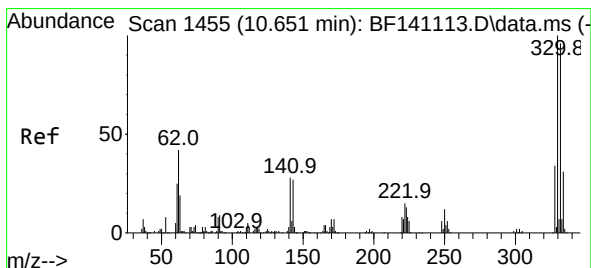
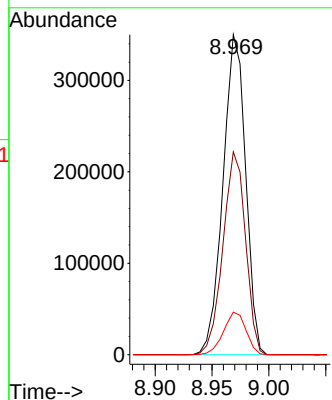
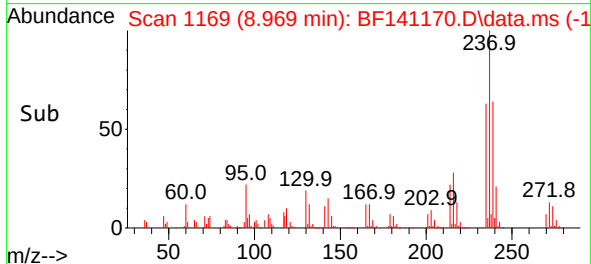


#41  
Hexachlorocyclopentadiene  
Concen: 192.892 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

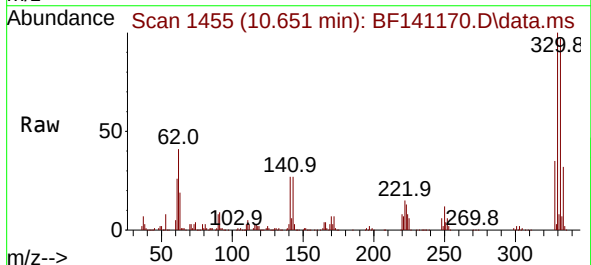
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS



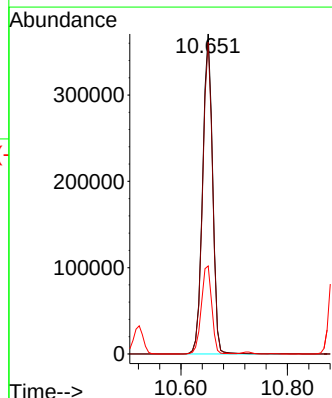
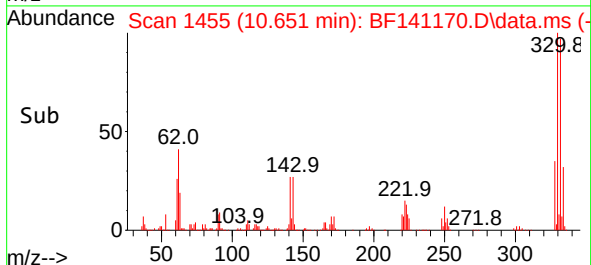
Tgt Ion:237 Resp: 485084  
Ion Ratio Lower Upper  
237 100  
235 63.4 43.0 83.0  
272 13.3 0.0 33.0



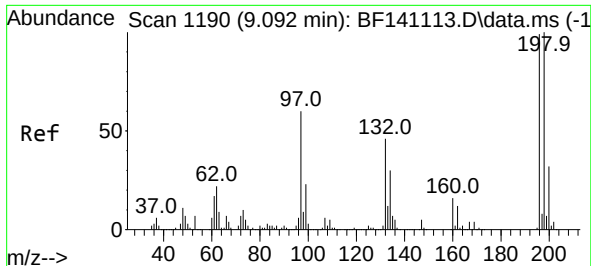
#42  
2,4,6-Tribromophenol  
Concen: 157.616 ng  
RT: 10.651 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38



Tgt Ion:330 Resp: 480965  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.9 115.3  
141 28.8 25.2 37.8



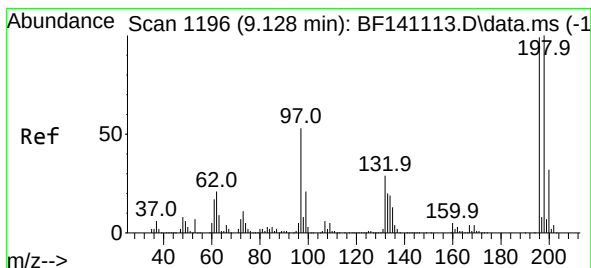
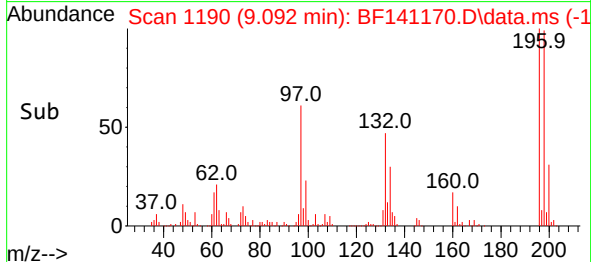
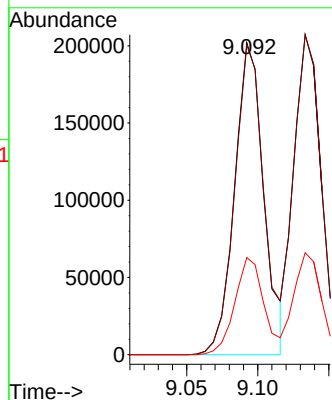
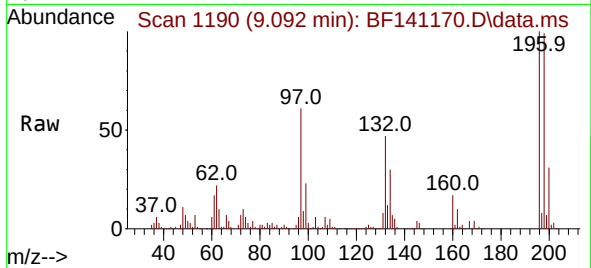




#43  
2,4,6-Trichlorophenol  
Concen: 55.558 ng  
RT: 9.092 min Scan# 1190  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

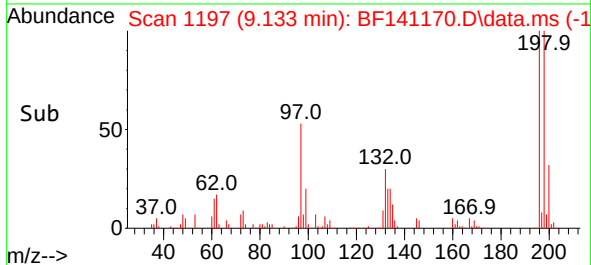
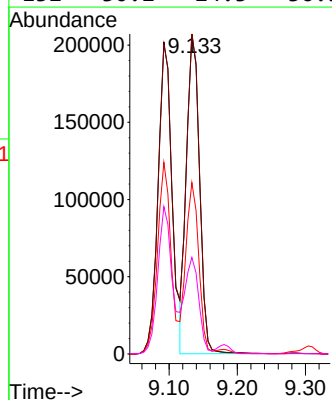
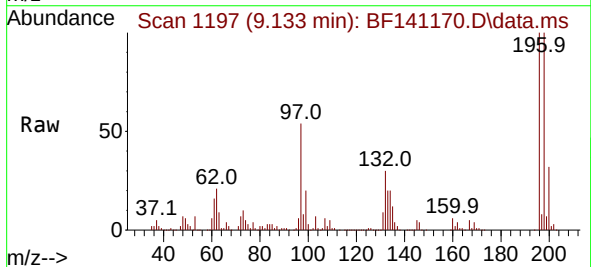
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

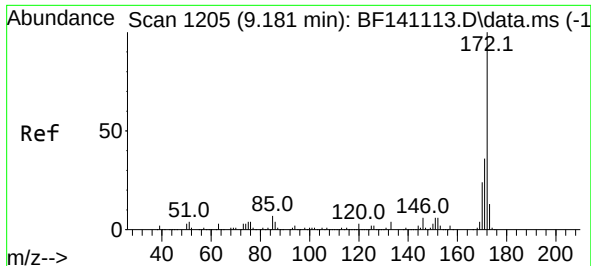
Tgt Ion:196 Resp: 288020  
Ion Ratio Lower Upper  
196 100  
198 99.1 80.8 121.2  
200 31.1 25.7 38.5



#44  
2,4,5-Trichlorophenol  
Concen: 50.404 ng  
RT: 9.133 min Scan# 1197  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:196 Resp: 275966  
Ion Ratio Lower Upper  
196 100  
198 100.0 80.6 120.8  
97 53.5 43.1 64.7  
132 30.2 24.3 36.5

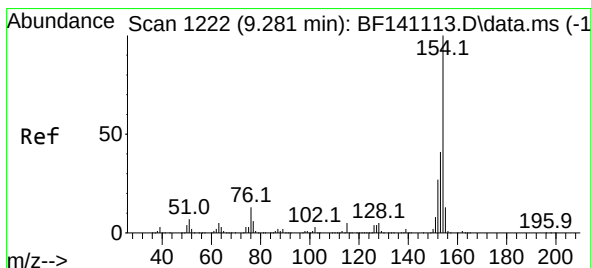
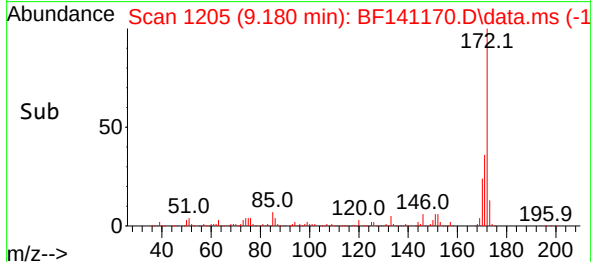
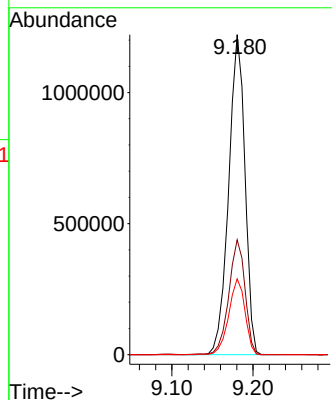
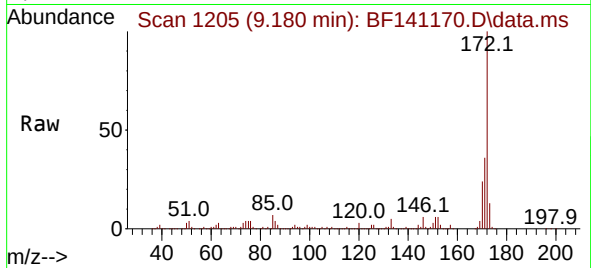




#45  
2-Fluorobiphenyl  
Concen: 96.814 ng  
RT: 9.180 min Scan# 1205  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

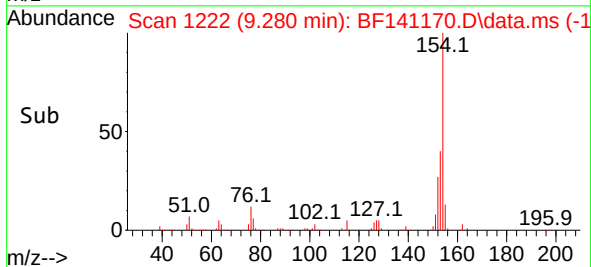
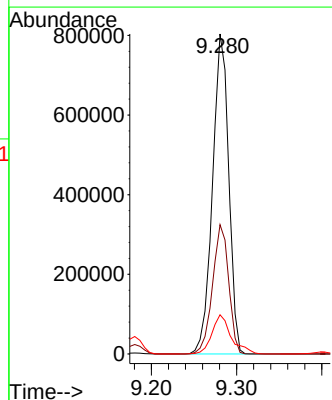
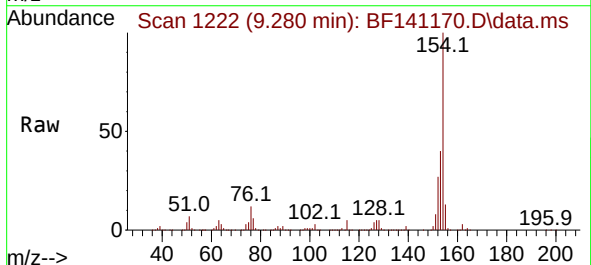
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

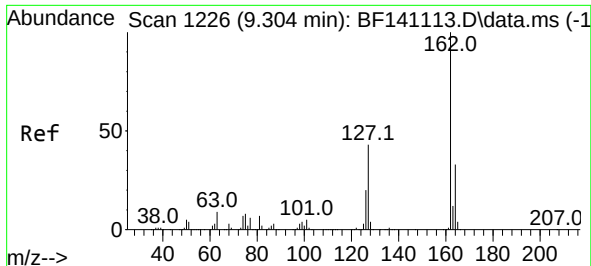
Tgt Ion:172 Resp: 1697898  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.7 43.1  
170 23.7 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 51.183 ng  
RT: 9.280 min Scan# 1222  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:154 Resp: 1064513  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.7 60.7  
76 12.3 0.0 33.1





#47

2-Chloronaphthalene

Concen: 49.219 ng

RT: 9.304 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

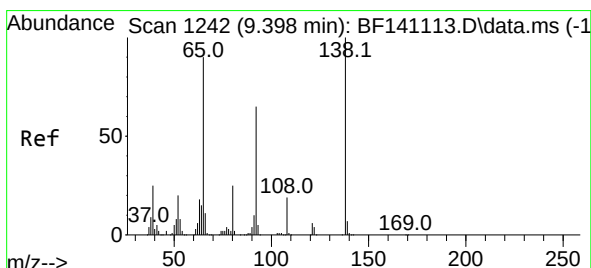
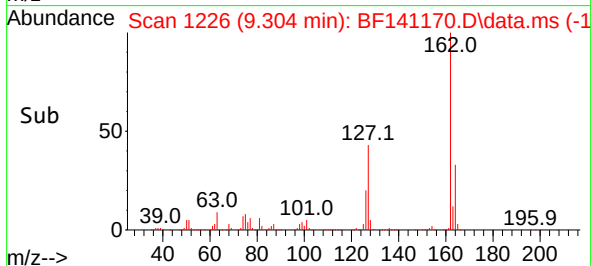
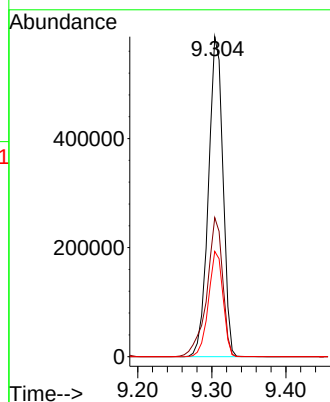
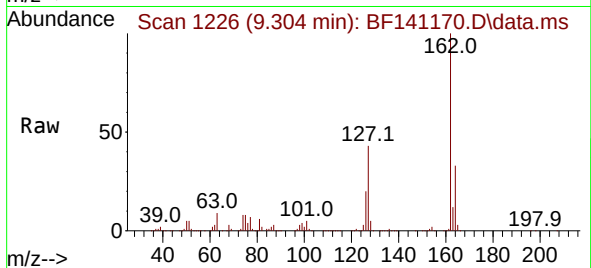
Tgt Ion:162 Resp: 797294

Ion Ratio Lower Upper

162 100

127 43.5 34.6 51.8

164 32.9 26.5 39.7



#48

2-Nitroaniline

Concen: 53.581 ng

RT: 9.398 min Scan# 1242

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

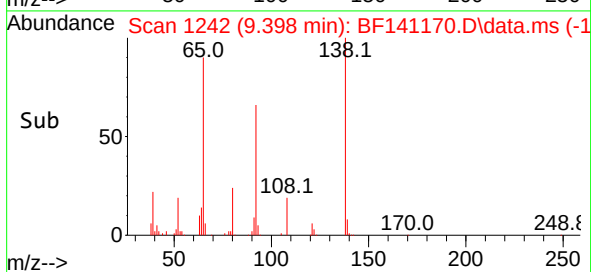
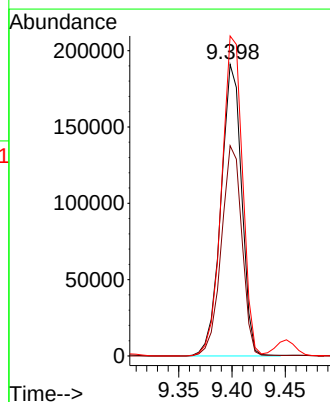
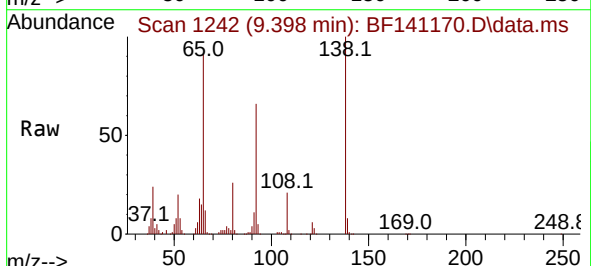
Tgt Ion: 65 Resp: 257290

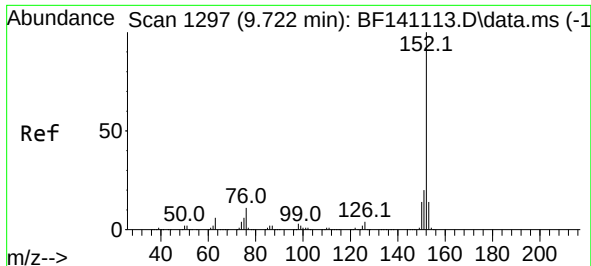
Ion Ratio Lower Upper

65 100

92 72.1 58.3 87.5

138 109.8 89.1 133.7





#49

Acenaphthylene

Concen: 54.634 ng

RT: 9.722 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

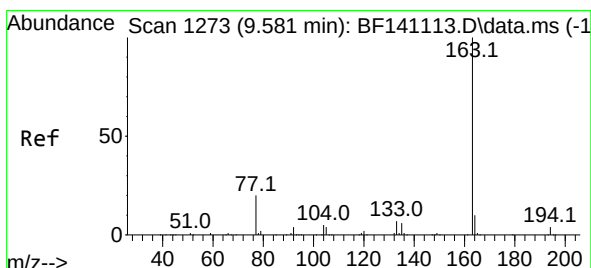
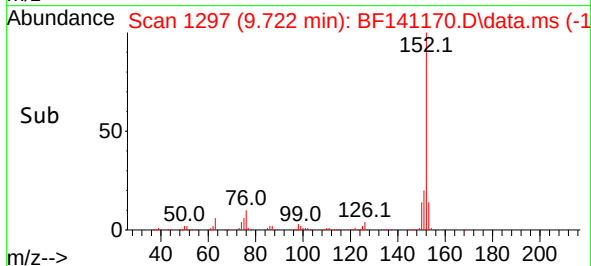
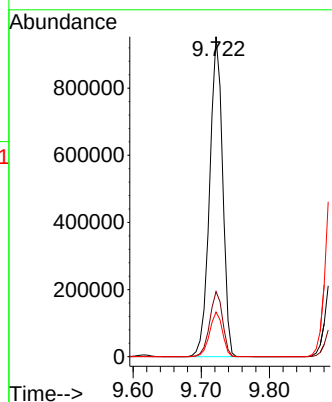
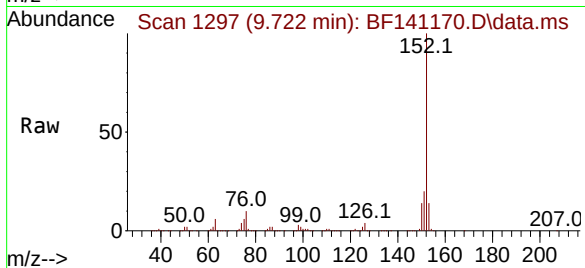
Tgt Ion:152 Resp: 1264438

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 14.0 11.1 16.7



#50

Dimethylphthalate

Concen: 51.323 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

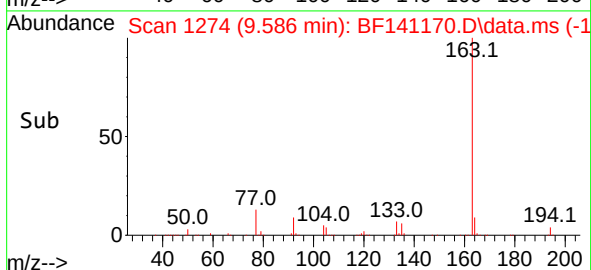
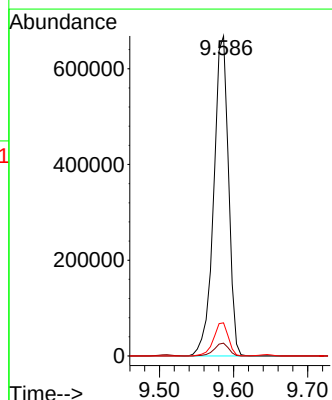
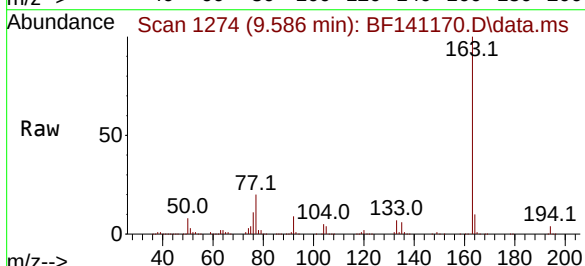
Tgt Ion:163 Resp: 922734

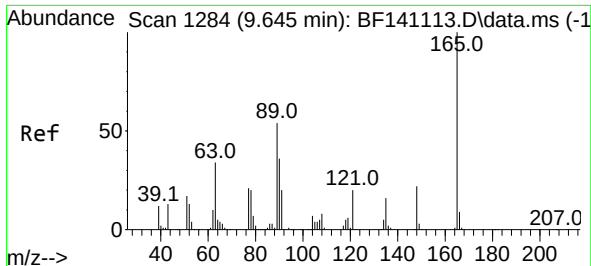
Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

164 10.4 8.2 12.4

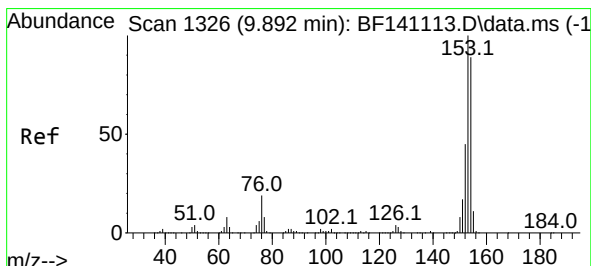
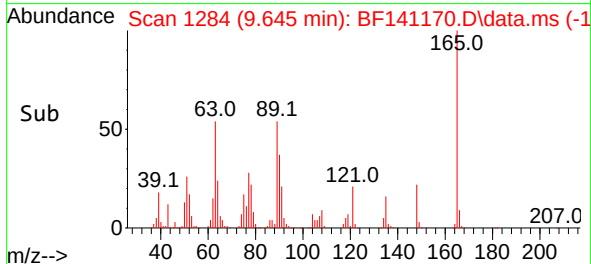
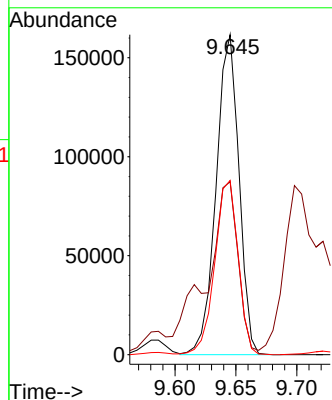
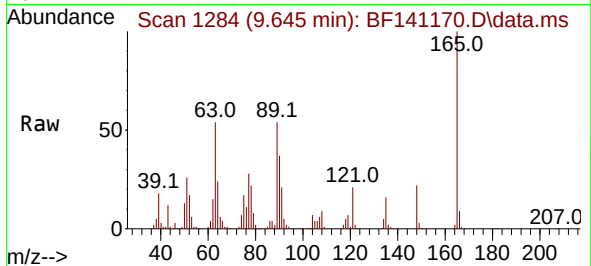




#51  
2,6-Dinitrotoluene  
Concen: 50.437 ng  
RT: 9.645 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

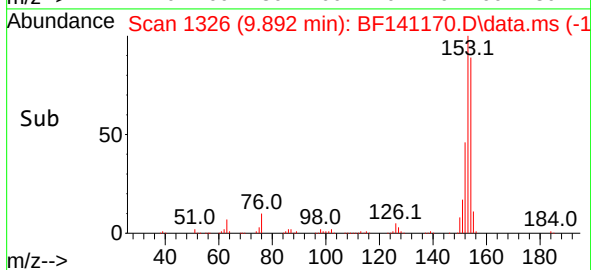
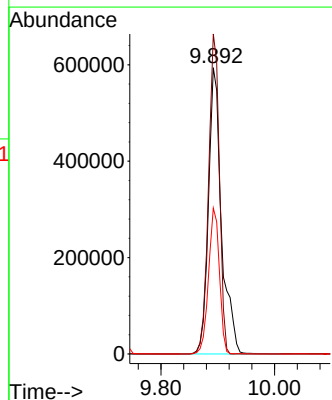
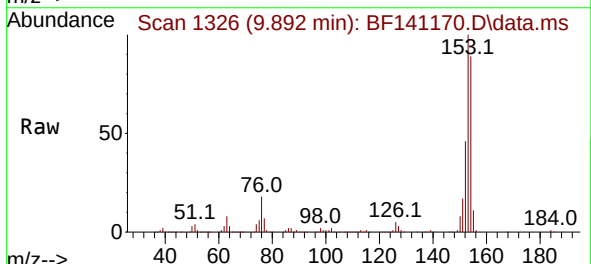
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

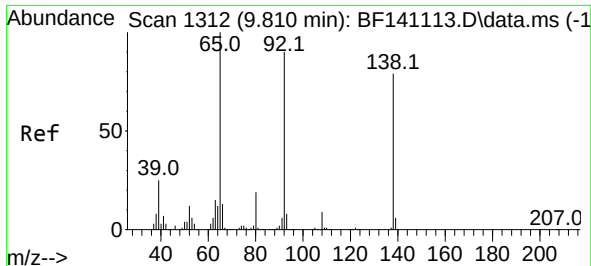
Tgt Ion:165 Resp: 210873  
Ion Ratio Lower Upper  
165 100  
63 54.1 42.3 63.5  
89 54.4 43.1 64.7



#52  
Acenaphthene  
Concen: 58.422 ng  
RT: 9.892 min Scan# 1326  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:154 Resp: 944636  
Ion Ratio Lower Upper  
154 100  
153 111.8 89.8 134.6  
152 51.0 40.8 61.2

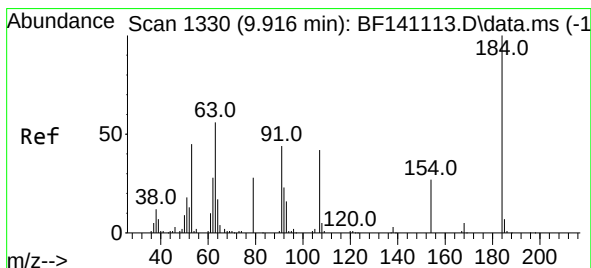
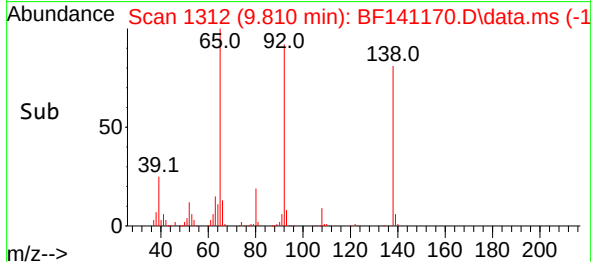
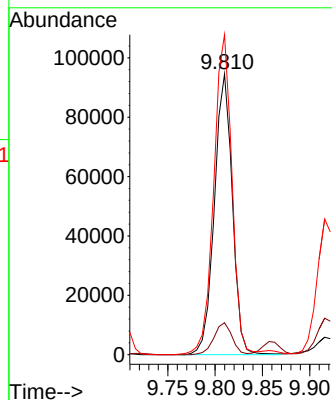
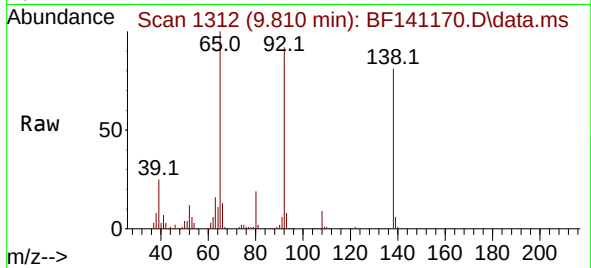




#53  
3-Nitroaniline  
Concen: 29.333 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

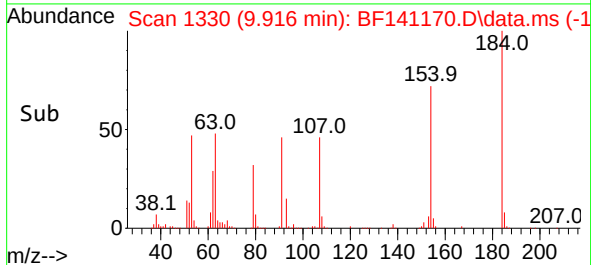
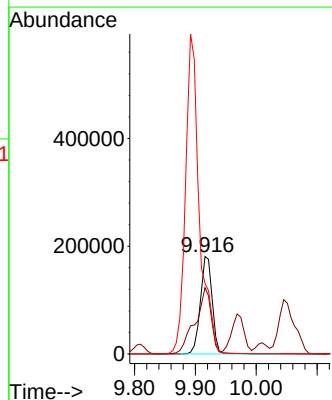
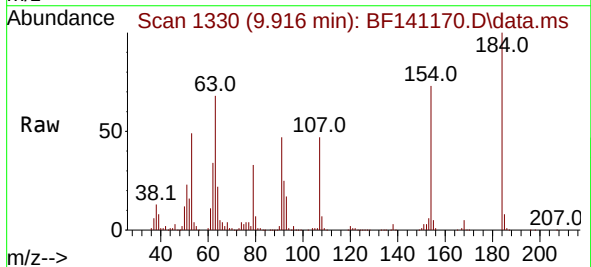
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

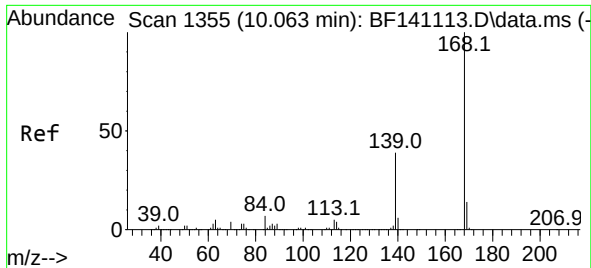
Tgt Ion:138 Resp: 124626  
Ion Ratio Lower Upper  
138 100  
108 11.4 8.8 13.2  
92 114.0 91.3 136.9



#54  
2,4-Dinitrophenol  
Concen: 123.301 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:184 Resp: 245034  
Ion Ratio Lower Upper  
184 100  
63 67.9 48.7 73.1  
154 72.5 57.1 85.7

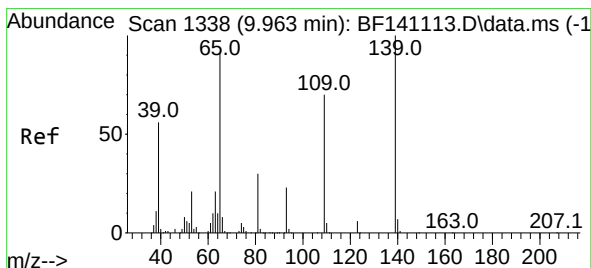
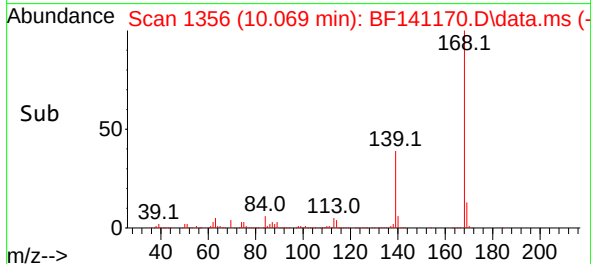
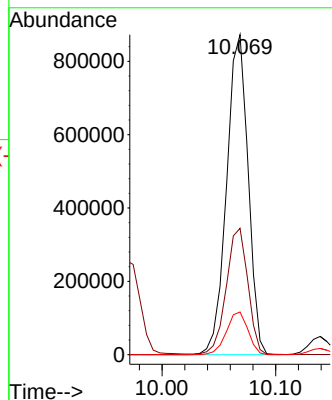
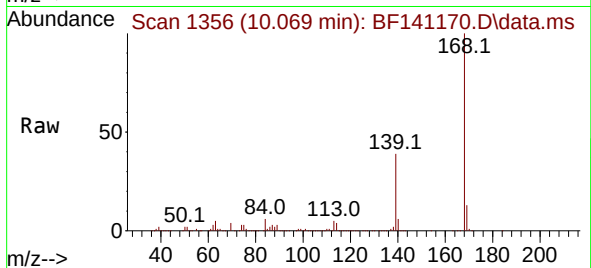




#55  
Dibenzofuran  
Concen: 52.161 ng  
RT: 10.069 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

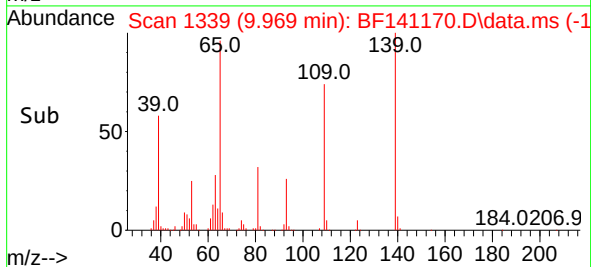
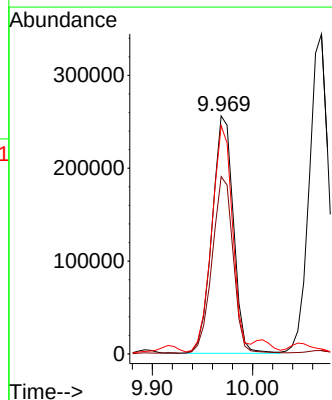
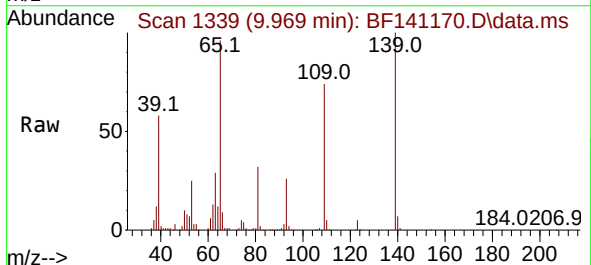
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

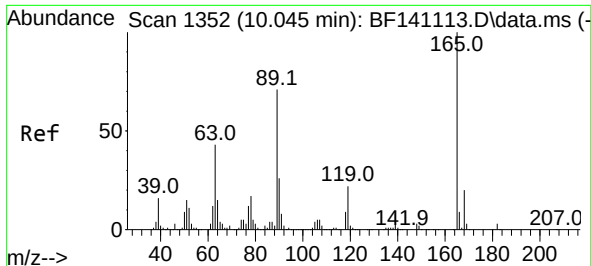
Tgt Ion:168 Resp: 1147203  
Ion Ratio Lower Upper  
168 100  
139 39.5 31.4 47.0  
169 13.3 10.9 16.3



#56  
4-Nitrophenol  
Concen: 113.219 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:139 Resp: 376730  
Ion Ratio Lower Upper  
139 100  
109 74.5 50.2 90.2  
65 95.9 72.1 112.1

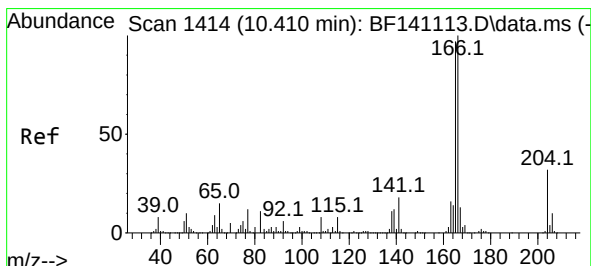
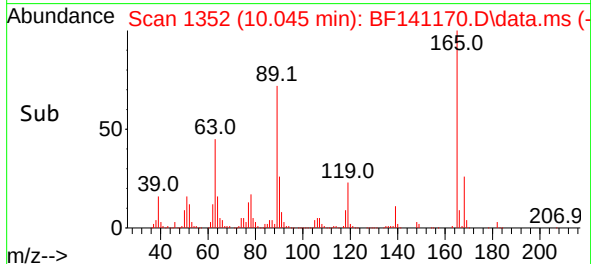
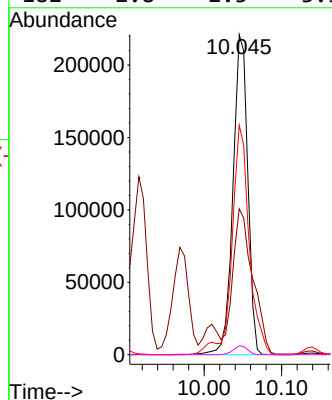
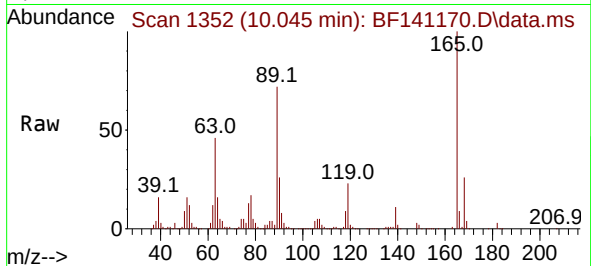




#57  
2,4-Dinitrotoluene  
Concen: 54.651 ng  
RT: 10.045 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

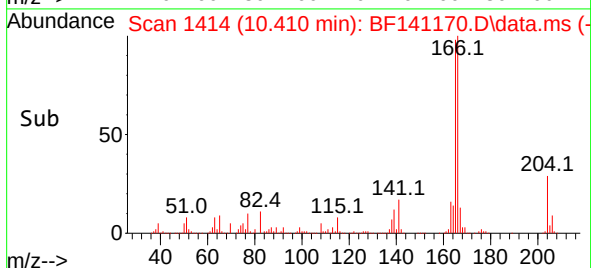
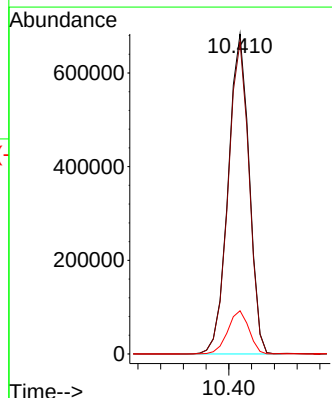
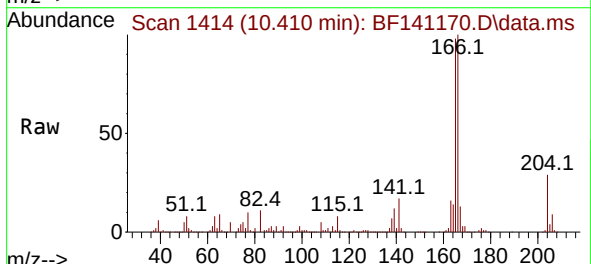
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion:165 Resp: 294468  
Ion Ratio Lower Upper  
165 100  
63 45.6 35.0 52.4  
89 71.8 56.7 85.1  
182 2.8 2.3 3.5

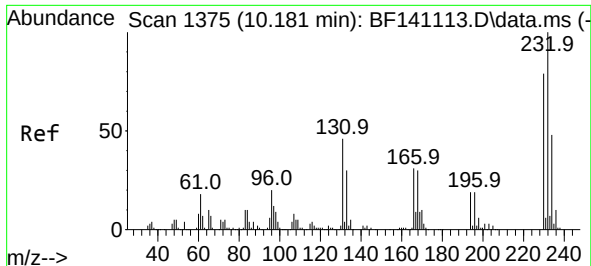


#58  
Fluorene  
Concen: 51.320 ng  
RT: 10.410 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:166 Resp: 876890  
Ion Ratio Lower Upper  
166 100  
165 97.5 77.8 116.8  
167 13.5 10.8 16.2





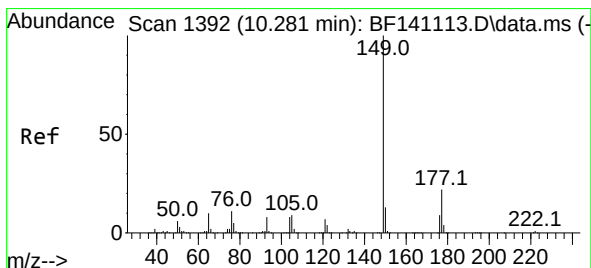
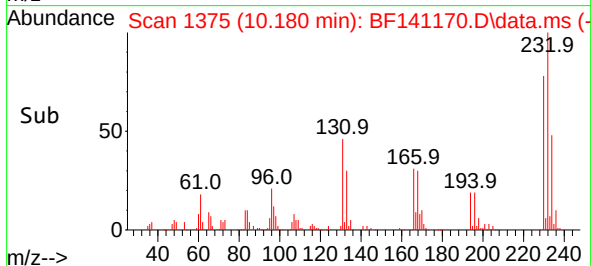
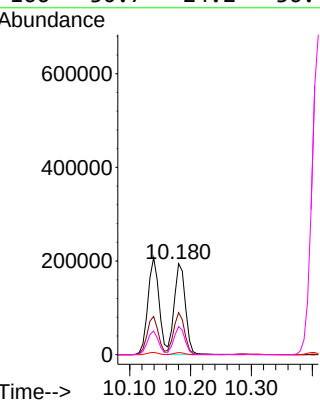
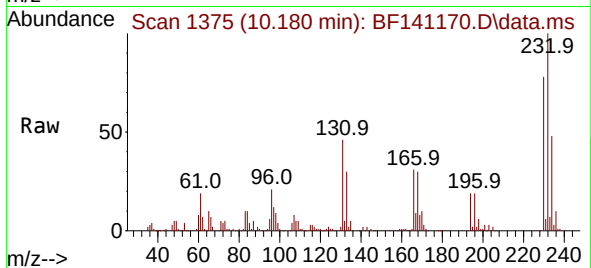


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 54.419 ng  
RT: 10.180 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion:232 Resp: 247659

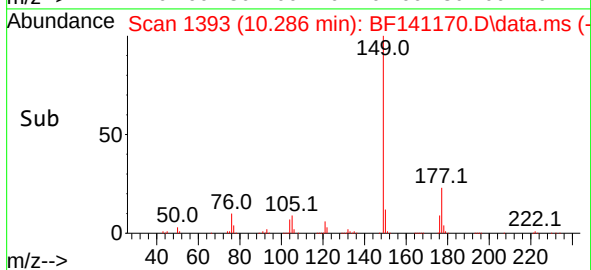
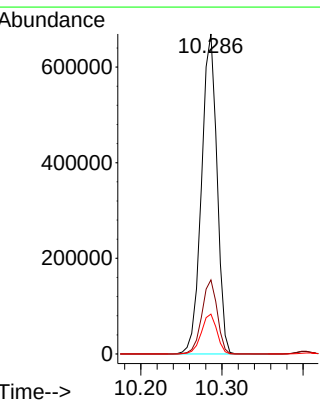
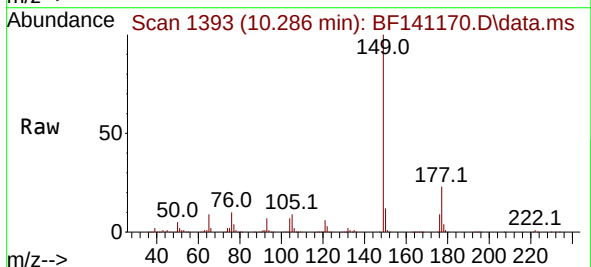
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 46.4  | 36.2  | 54.4  |
| 130 | 2.3   | 2.0   | 3.0   |
| 166 | 30.7  | 24.2  | 36.4  |

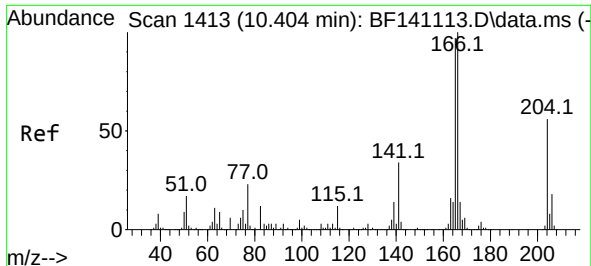


#60  
Diethylphthalate  
Concen: 50.565 ng  
RT: 10.286 min Scan# 1393  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:149 Resp: 887513

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 23.2  | 17.9  | 26.9  |
| 150 | 12.5  | 10.2  | 15.2  |

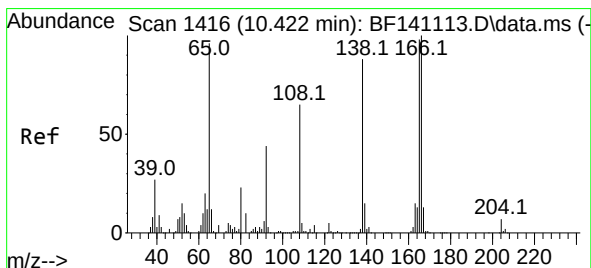
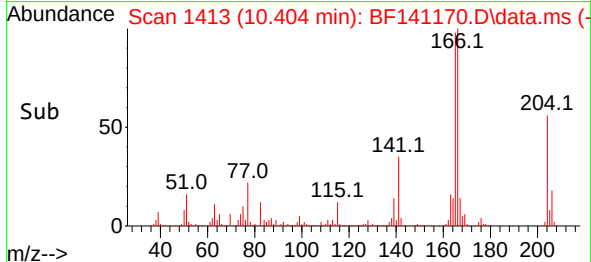
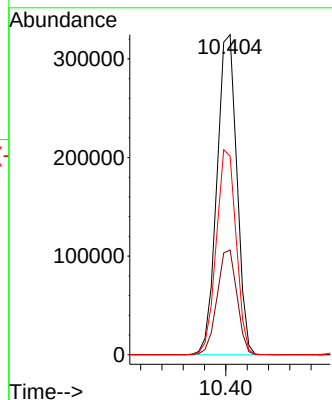
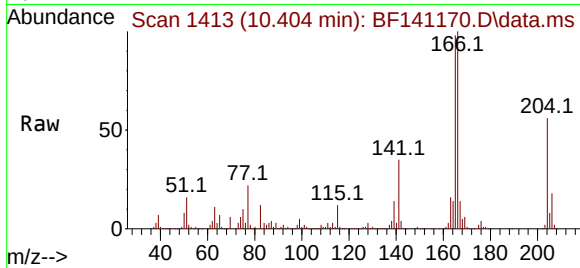




#61  
4-Chlorophenyl-phenylether  
Concen: 50.538 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

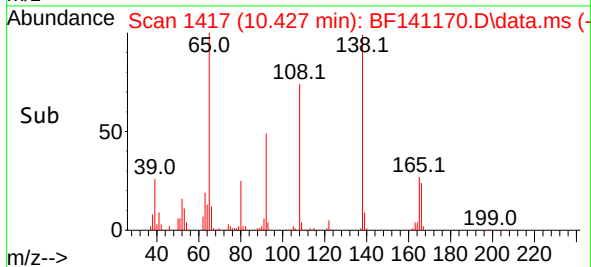
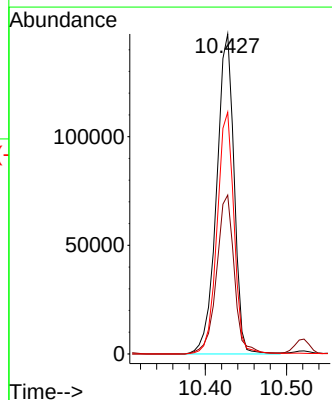
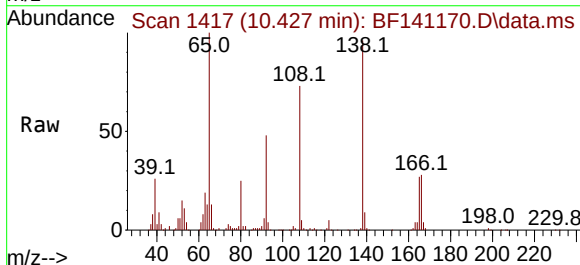
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

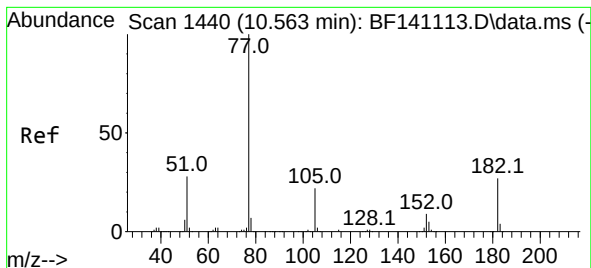
Tgt Ion:204 Resp: 420869  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.9 38.9  
141 62.0 49.1 73.7



#62  
4-Nitroaniline  
Concen: 53.066 ng  
RT: 10.427 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:138 Resp: 220671  
Ion Ratio Lower Upper  
138 100  
92 49.6 29.4 69.4  
108 75.5 53.7 93.7





#63

Azobenzene

Concen: 50.433 ng

RT: 10.563 min Scan# 1440

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

Tgt Ion: 77 Resp: 873462

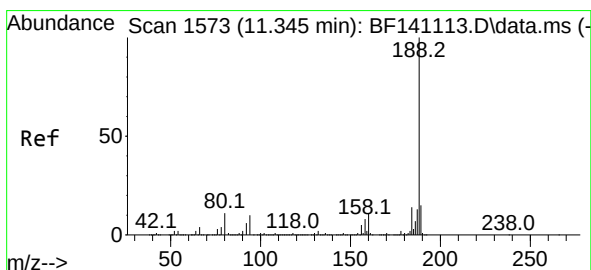
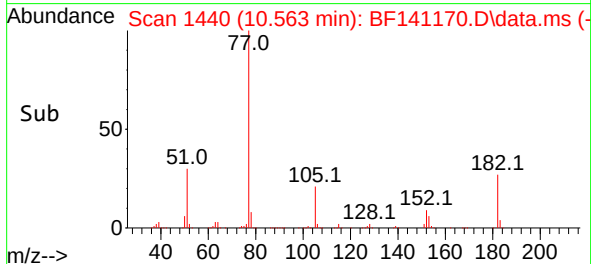
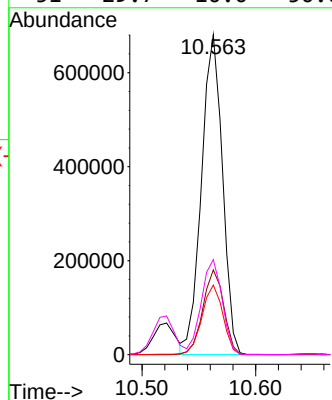
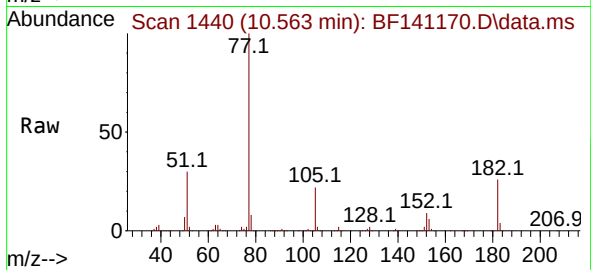
Ion Ratio Lower Upper

77 100

182 26.5 6.1 46.1

105 21.7 2.1 42.1

51 29.7 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

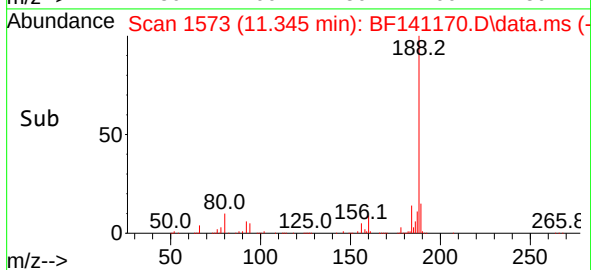
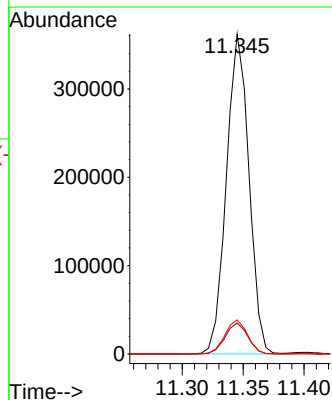
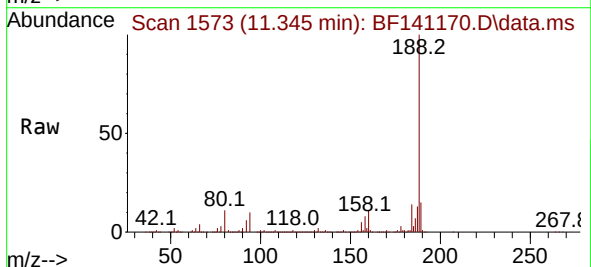
Tgt Ion: 188 Resp: 466174

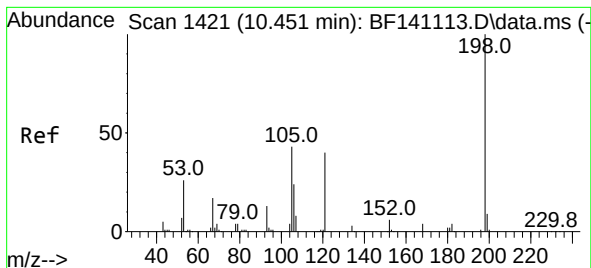
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.6 9.0 13.4

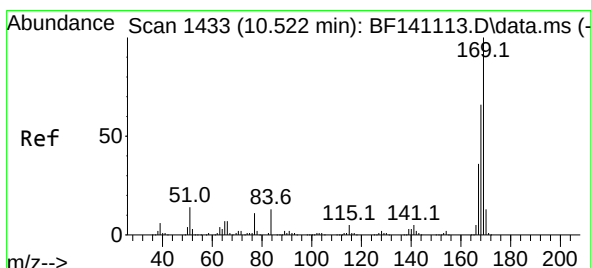
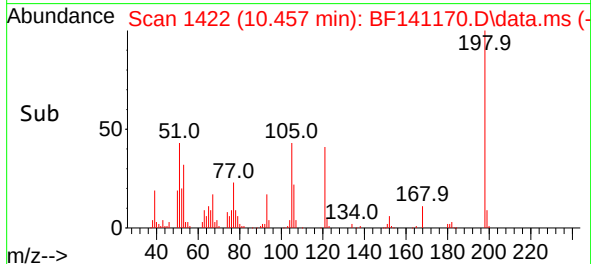
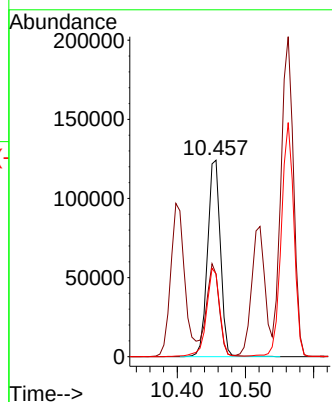
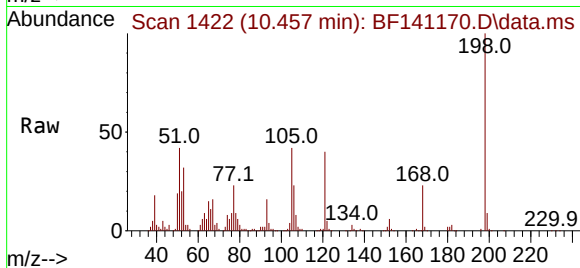




#65  
4,6-Dinitro-2-methylphenol  
Concen: 60.660 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

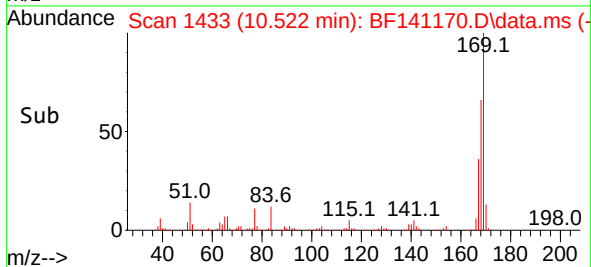
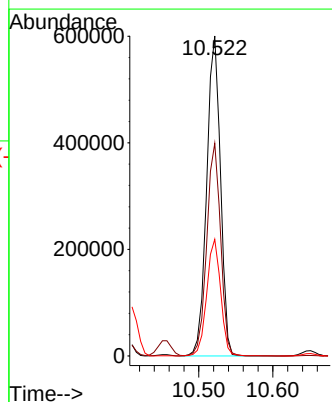
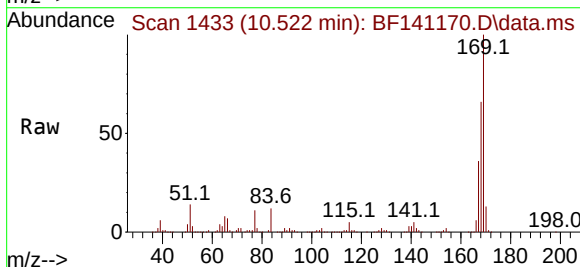
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

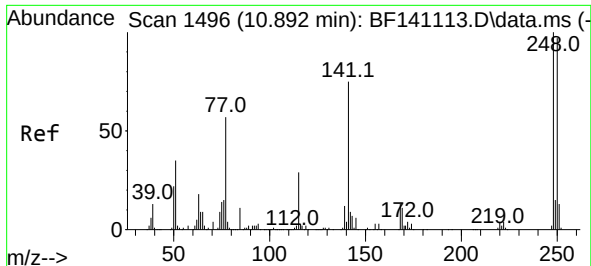
Tgt Ion:198 Resp: 163863  
Ion Ratio Lower Upper  
198 100  
51 42.0 27.1 67.1  
105 42.1 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 51.612 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:169 Resp: 776049  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.5 78.7  
167 36.4 28.9 43.3

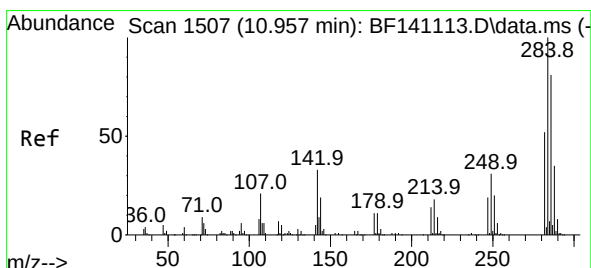
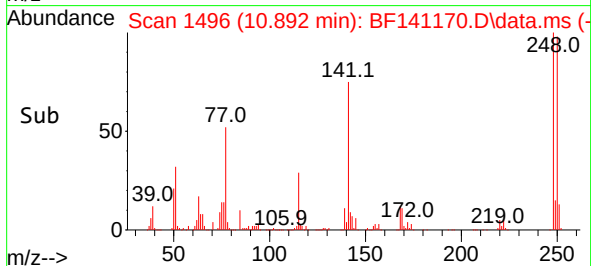
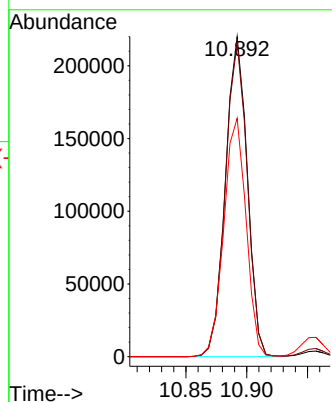
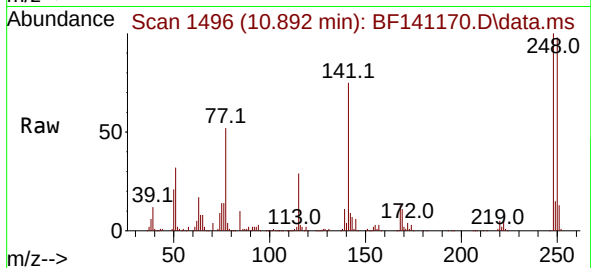




#67  
4-Bromophenyl-phenylether  
Concen: 51.381 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

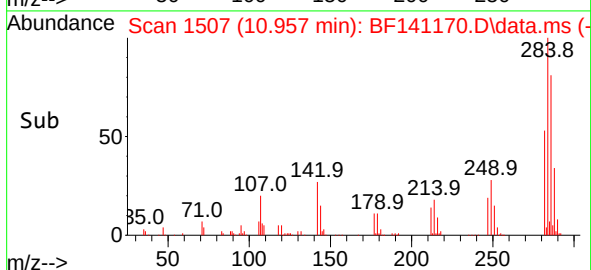
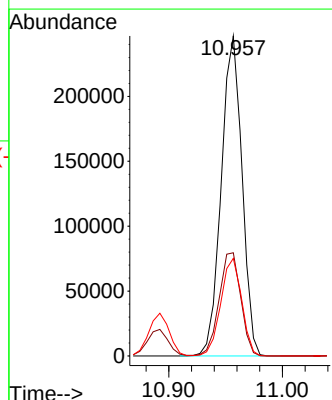
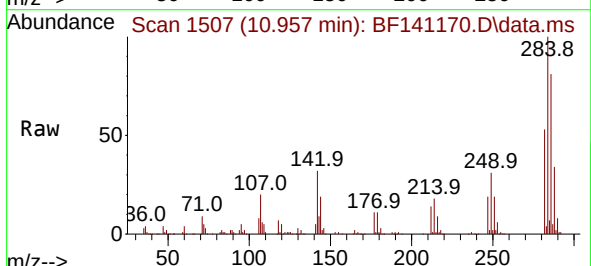
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

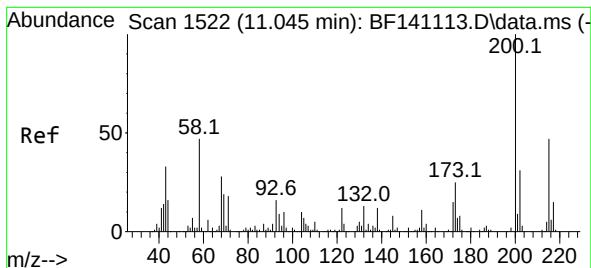
Tgt Ion:248 Resp: 275766  
Ion Ratio Lower Upper  
248 100  
250 98.2 77.9 116.9  
141 74.5 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 52.421 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:284 Resp: 313193  
Ion Ratio Lower Upper  
284 100  
142 32.2 26.3 39.5  
249 30.5 24.9 37.3





#69

Atrazine

Concen: 65.497 ng

RT: 11.045 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

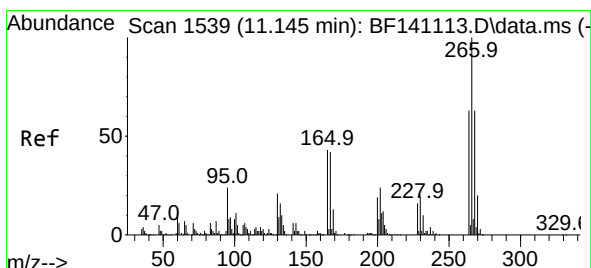
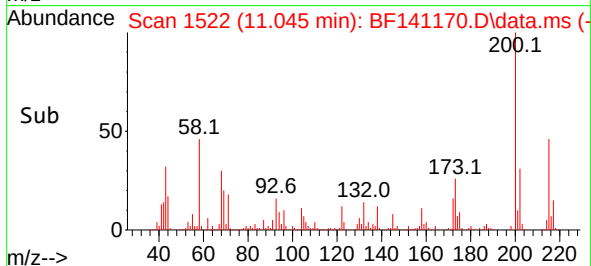
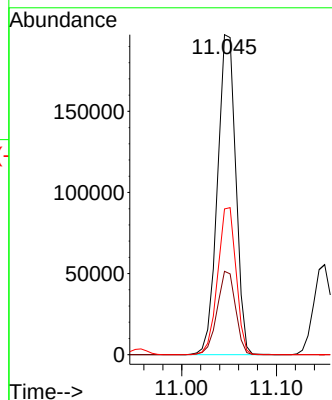
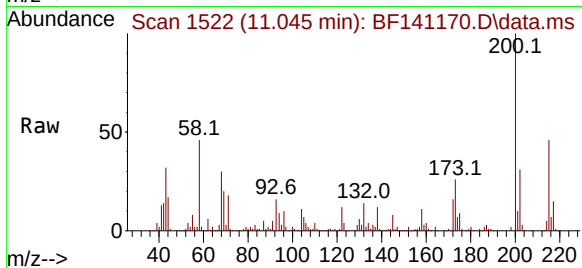
Tgt Ion:200 Resp: 265174

Ion Ratio Lower Upper

200 100

173 26.1 5.4 45.4

215 45.6 26.6 66.6



#70

Pentachlorophenol

Concen: 106.288 ng

RT: 11.151 min Scan# 1540

Delta R.T. 0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

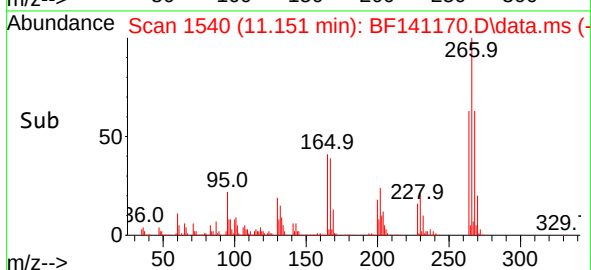
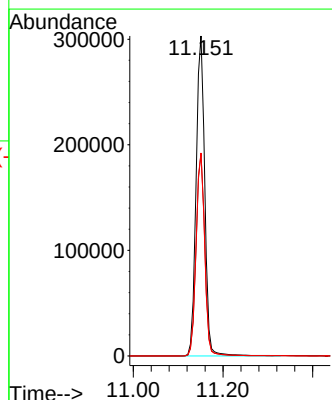
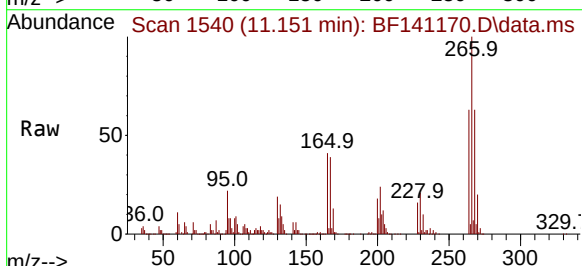
Tgt Ion:266 Resp: 406670

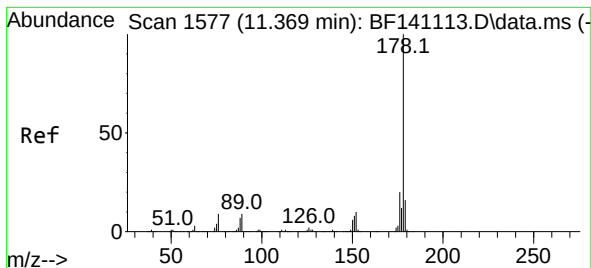
Ion Ratio Lower Upper

266 100

268 63.4 50.4 75.6

264 63.5 50.2 75.2





#71

Phenanthrene

Concen: 54.405 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

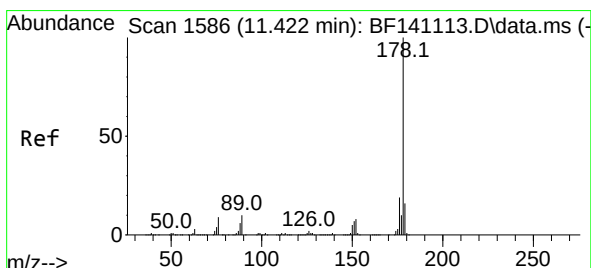
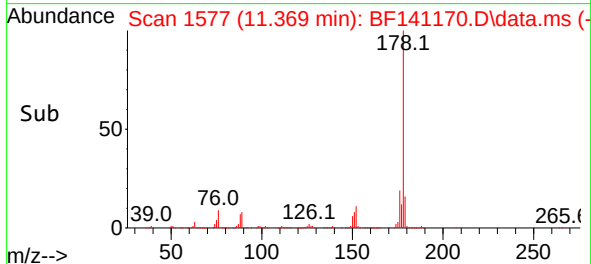
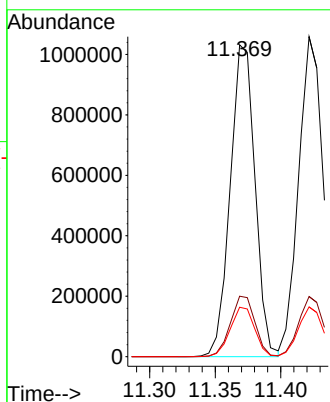
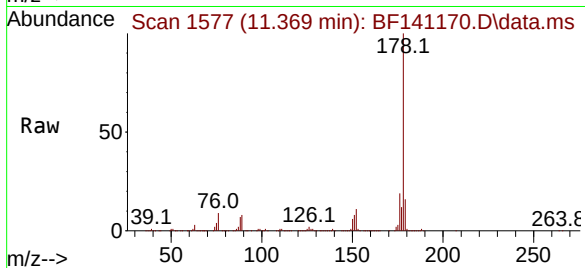
Tgt Ion:178 Resp: 1361624

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 15.9 12.6 19.0



#72

Anthracene

Concen: 56.128 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

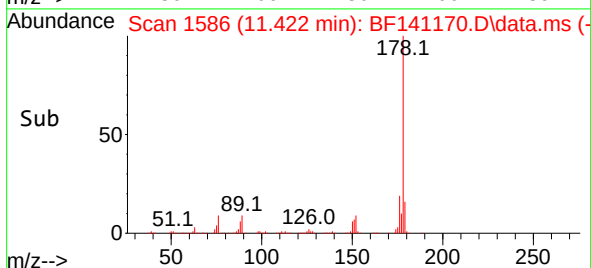
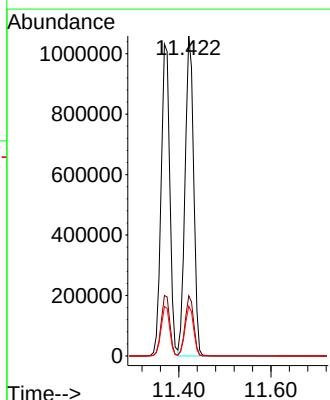
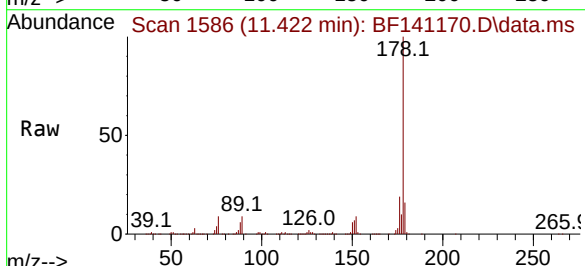
Tgt Ion:178 Resp: 1365888

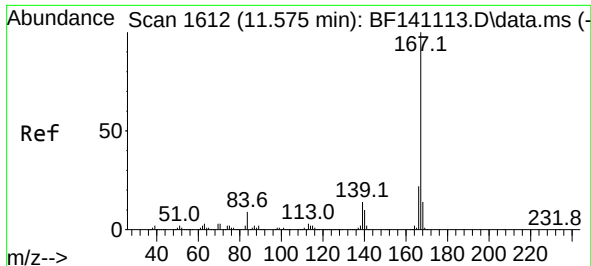
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.6 12.6 19.0

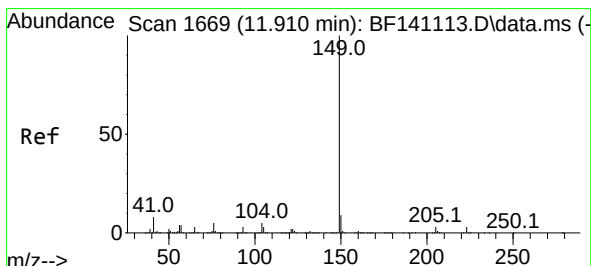
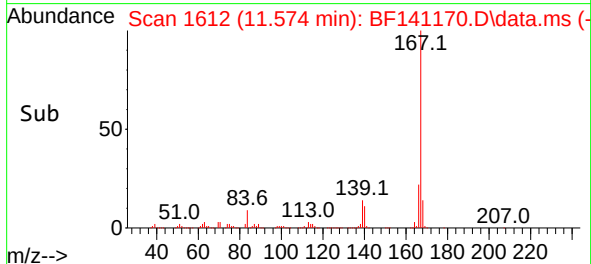
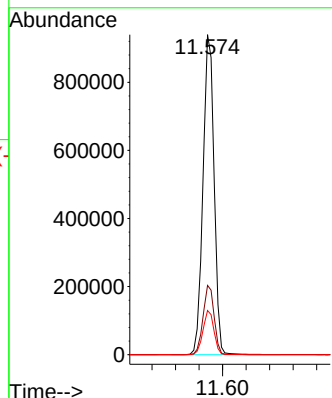
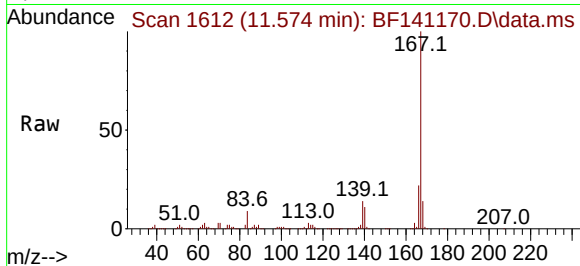




#73  
 Carbazole  
 Concen: 55.314 ng  
 RT: 11.574 min Scan# 1612  
 Delta R.T. -0.000 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

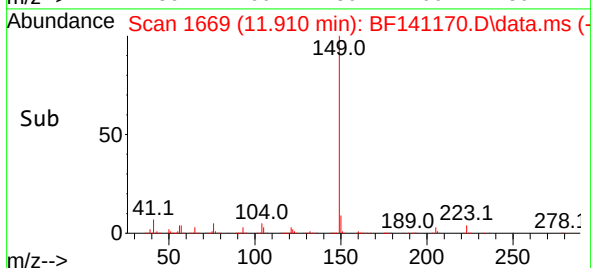
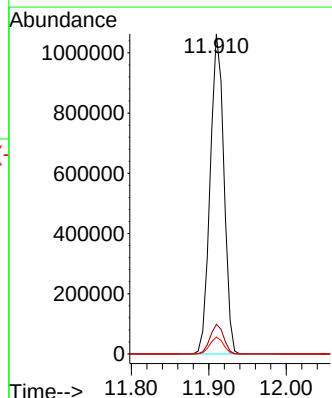
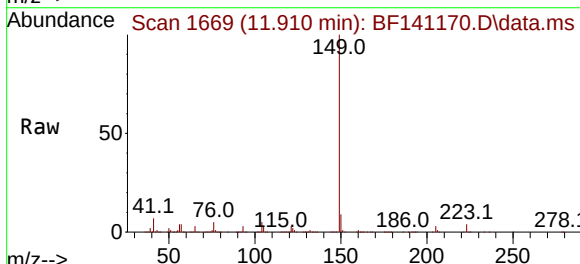
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166052BS

Tgt Ion:167 Resp: 1234264  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.4 26.2  
 139 13.8 10.9 16.3

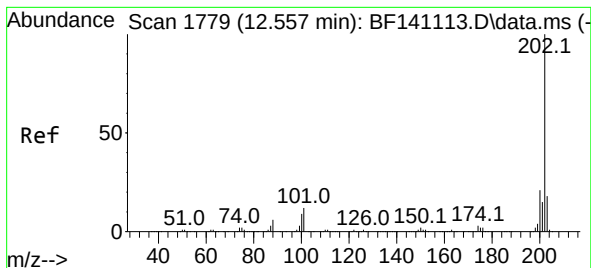


#74  
 Di-n-butylphthalate  
 Concen: 51.192 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. -0.000 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

Tgt Ion:149 Resp: 1307256  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.4 11.2  
 104 5.2 4.2 6.2







#75

Fluoranthene

Concen: 57.247 ng

RT: 12.557 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

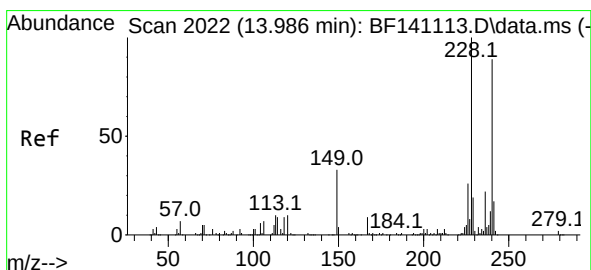
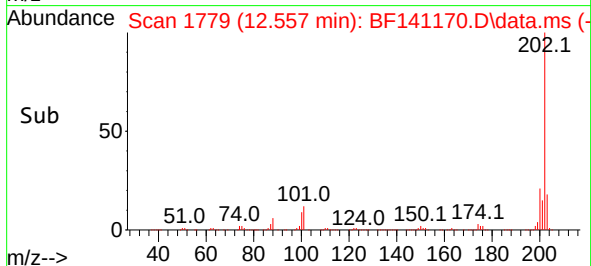
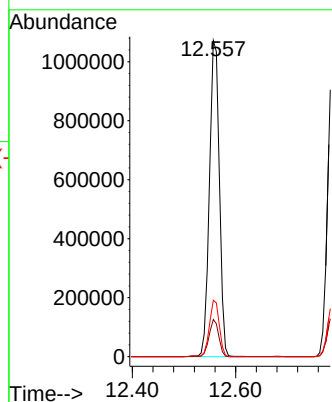
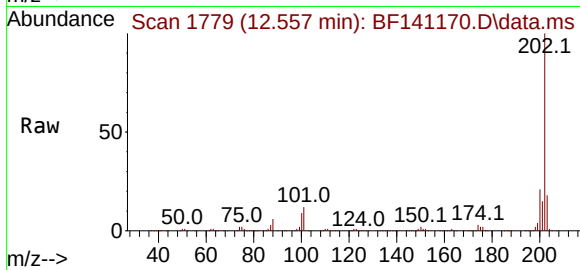
Tgt Ion:202 Resp: 1429737

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.3

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

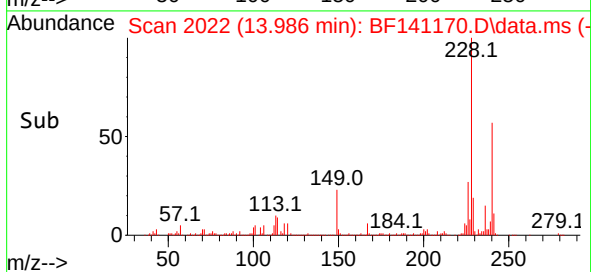
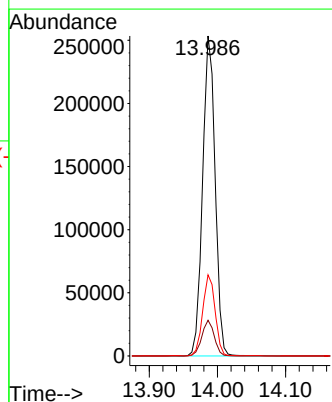
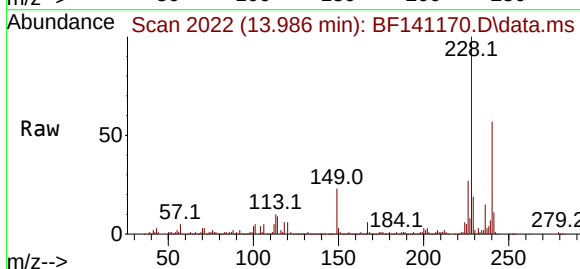
Tgt Ion:240 Resp: 323562

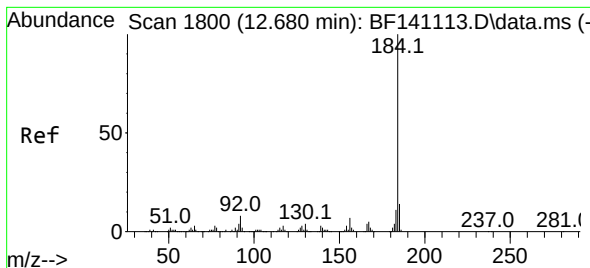
Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

236 25.3 19.8 29.6





#77

Benzidine

Concen: 46.293 ng

RT: 12.680 min Scan# 1800

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

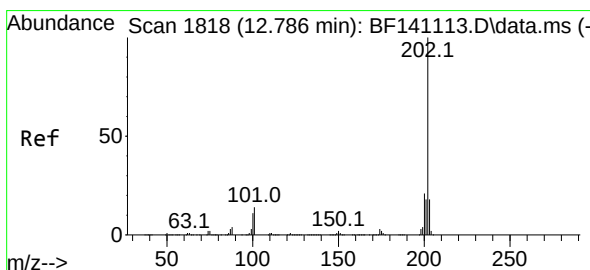
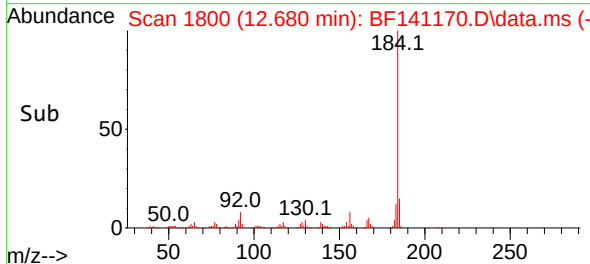
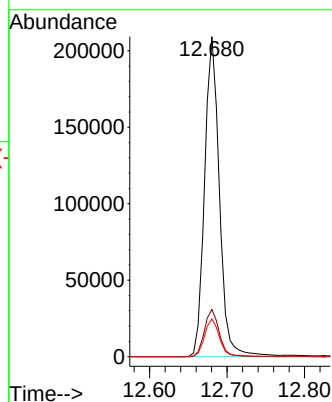
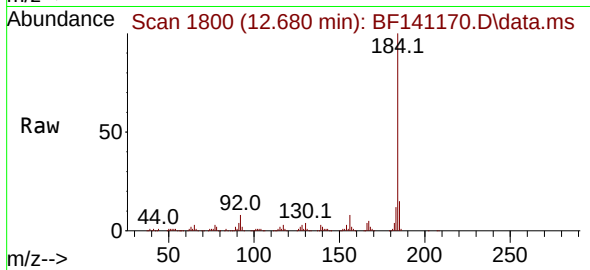
Tgt Ion:184 Resp: 277768

Ion Ratio Lower Upper

184 100

185 14.8 11.4 17.0

183 11.8 9.2 13.8



#78

Pyrene

Concen: 47.304 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

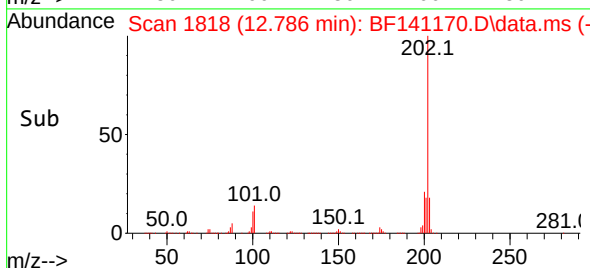
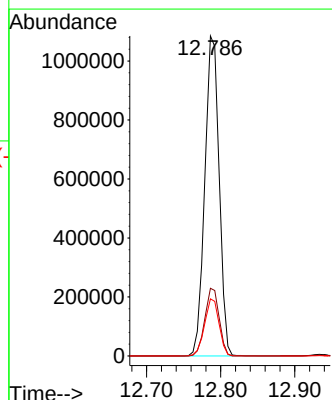
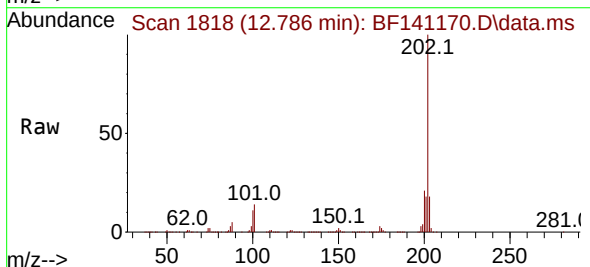
Tgt Ion:202 Resp: 1461903

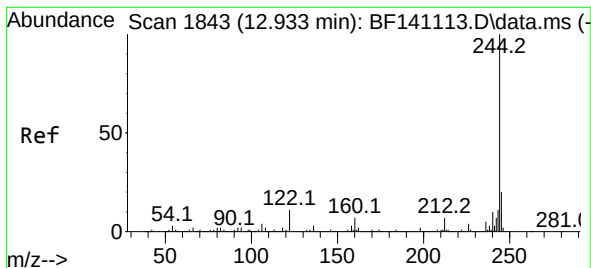
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 93.229 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

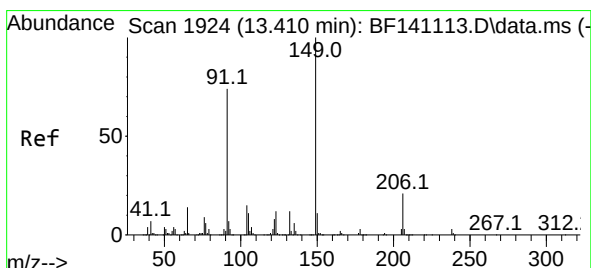
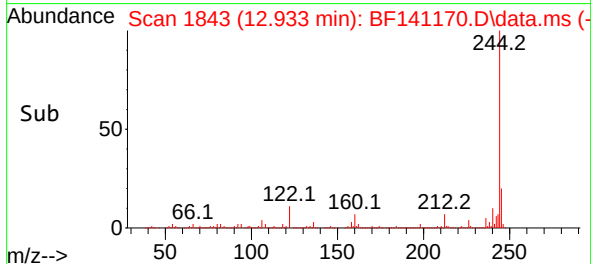
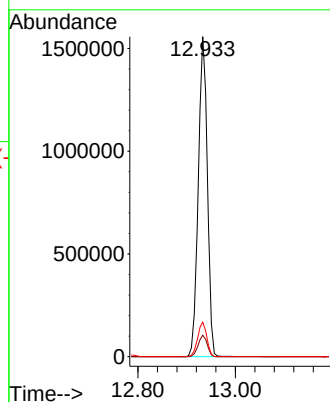
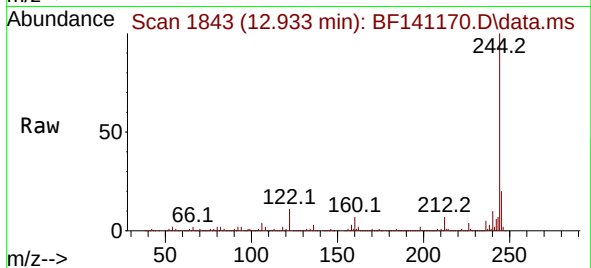
Tgt Ion:244 Resp: 2029563

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.8 8.8 13.2



#80

Butylbenzylphthalate

Concen: 51.779 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

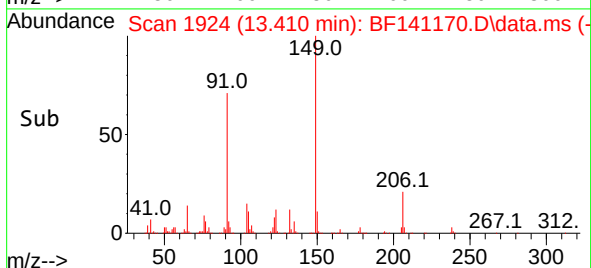
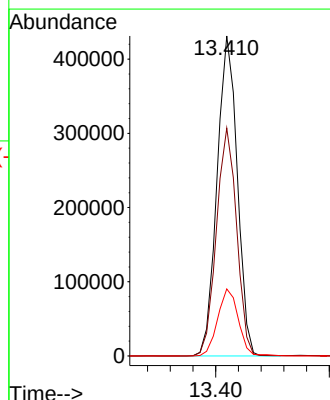
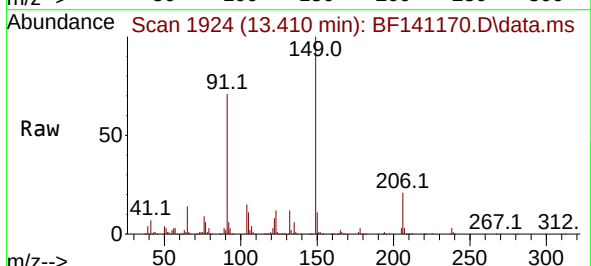
Tgt Ion:149 Resp: 533517

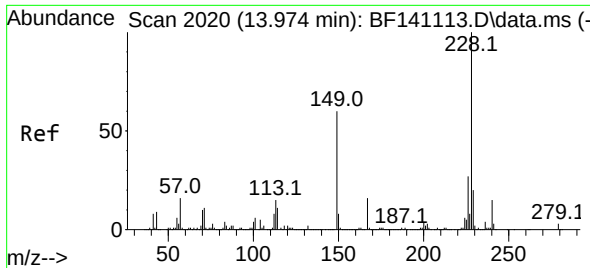
Ion Ratio Lower Upper

149 100

91 71.2 59.0 88.6

206 20.9 16.5 24.7

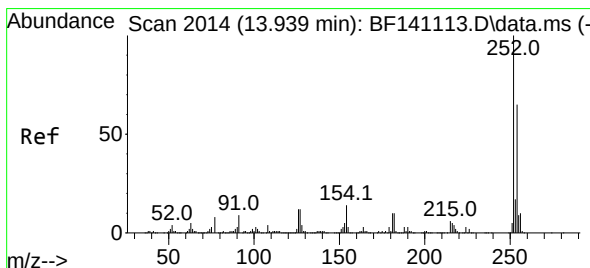
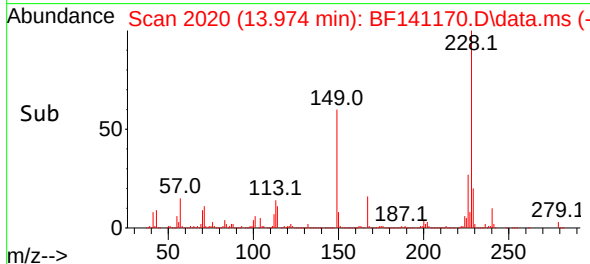
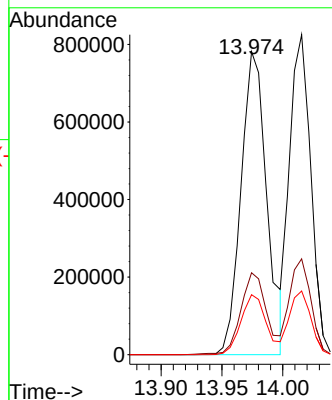
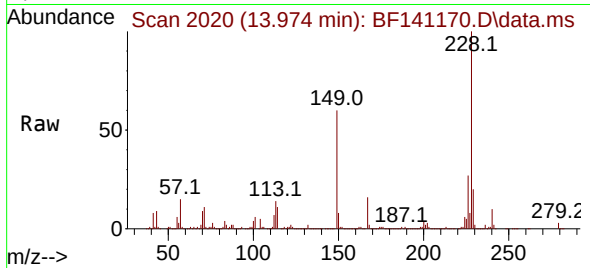




#81  
Benzo(a)anthracene  
Concen: 52.347 ng  
RT: 13.974 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

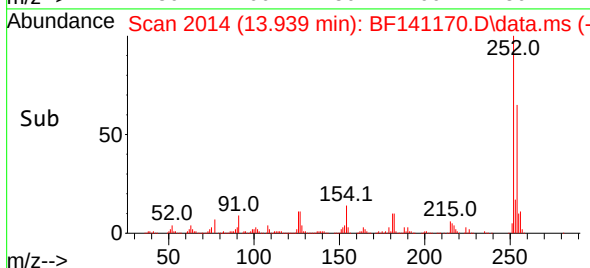
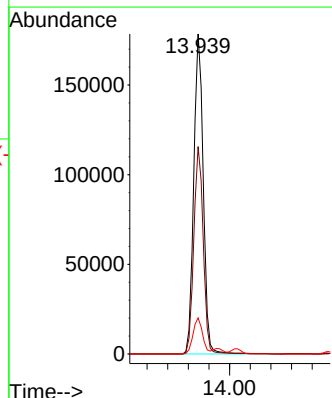
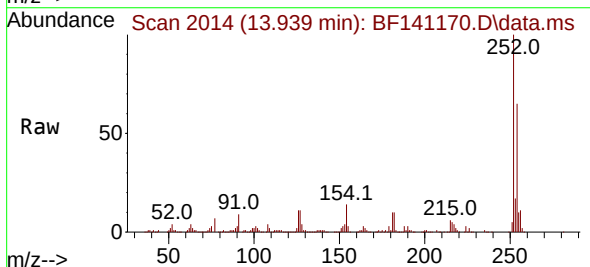
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

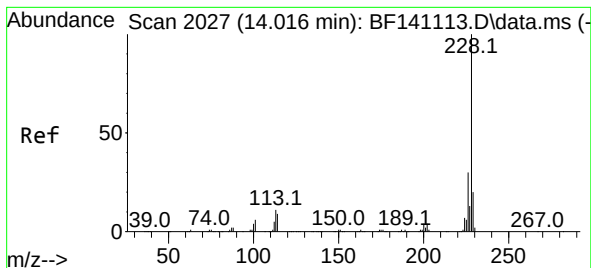
Tgt Ion:228 Resp: 1152698  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.7 32.5  
229 19.8 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 32.461 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:252 Resp: 227608  
Ion Ratio Lower Upper  
252 100  
254 64.8 52.0 78.0  
126 11.2 9.4 14.0





#83

Chrysene

Concen: 48.556 ng

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

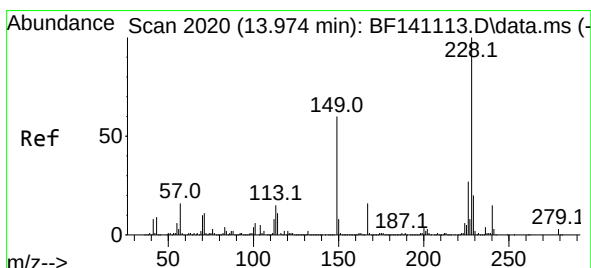
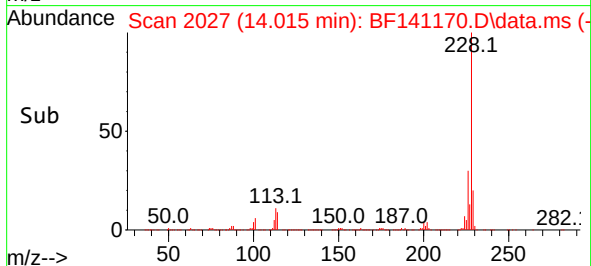
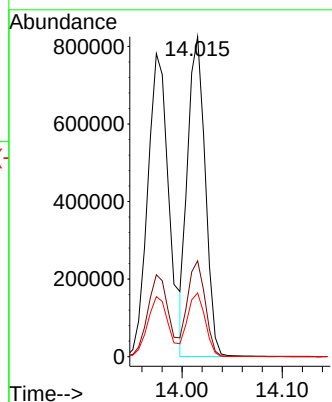
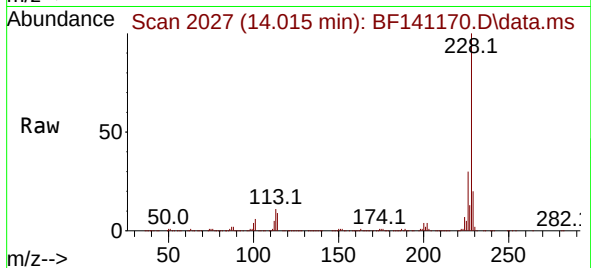
Tgt Ion:228 Resp: 1000459

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.9 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.896 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

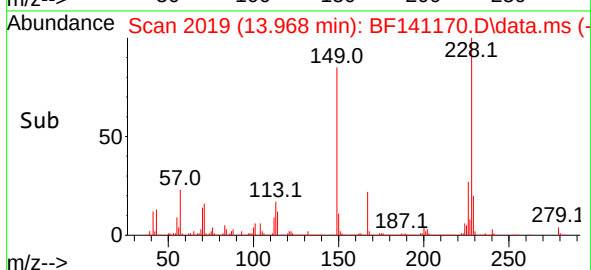
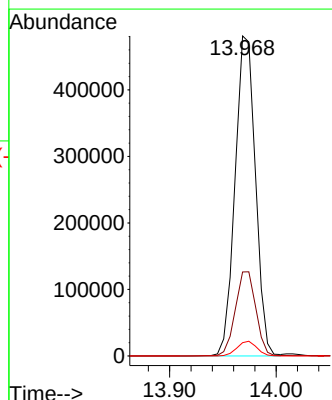
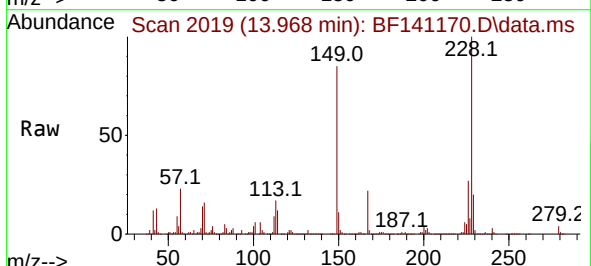
Tgt Ion:149 Resp: 641587

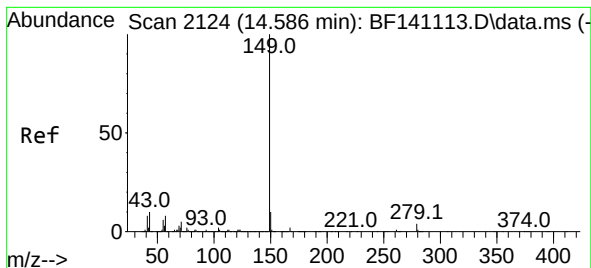
Ion Ratio Lower Upper

149 100

167 26.3 21.4 32.2

279 4.2 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 50.749 ng

RT: 14.586 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

Instrument :

BNA\_F

ClientSampleId :

PB166052BS

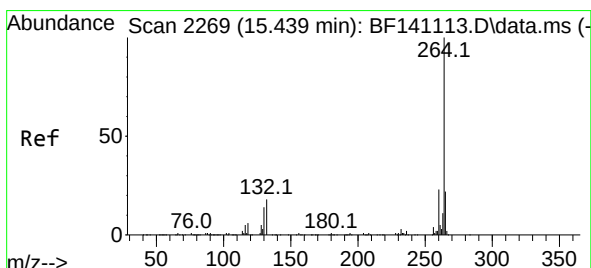
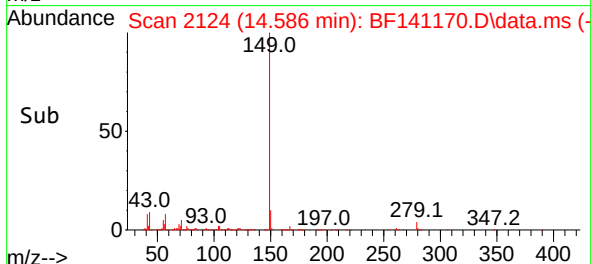
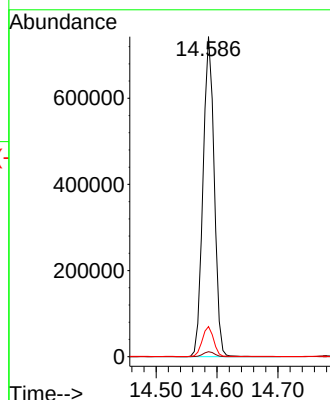
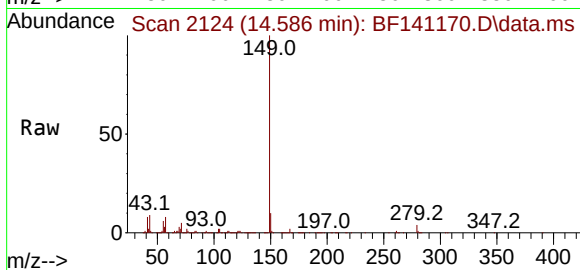
Tgt Ion:149 Resp: 947435

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: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF141170.D

Acq: 15 Jan 2025 12:38

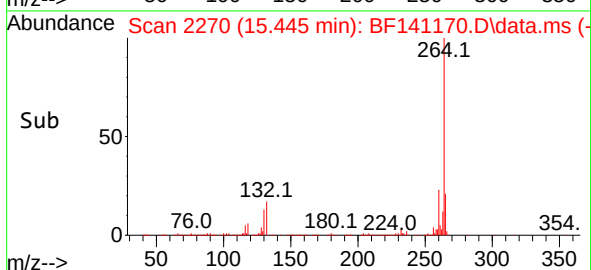
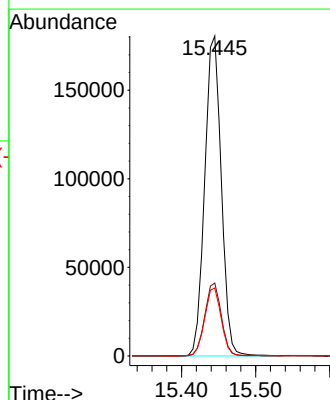
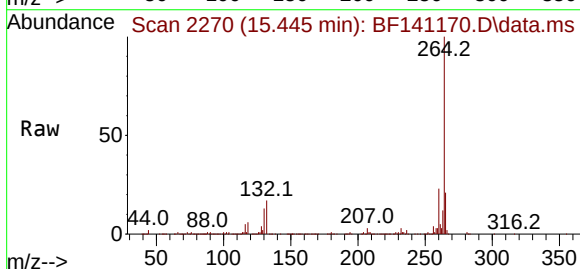
Tgt Ion:264 Resp: 280381

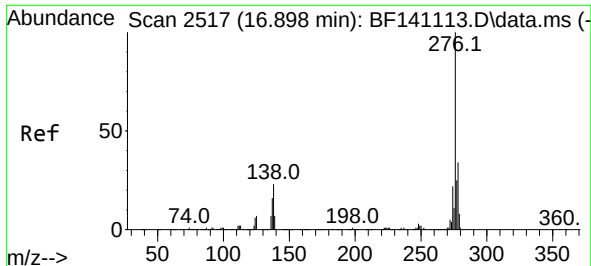
Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.3 17.4 26.0

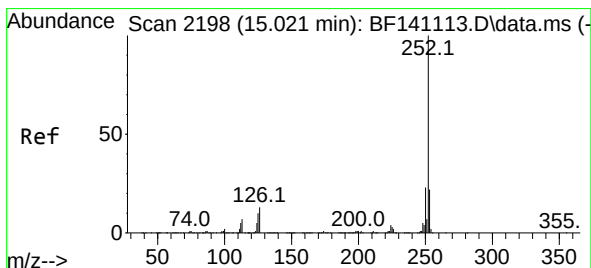
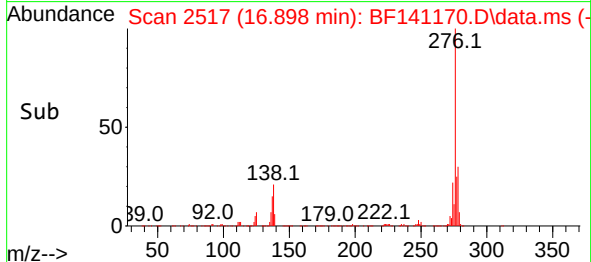
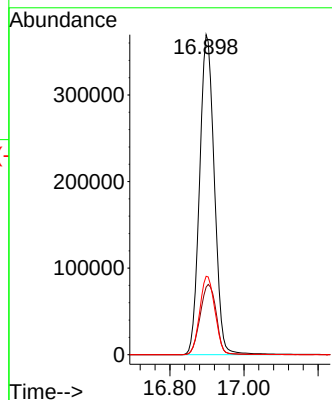
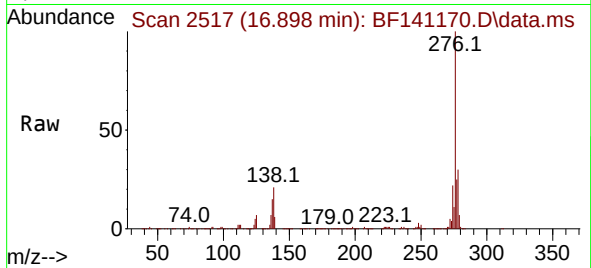




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 49.621 ng  
 RT: 16.898 min Scan# 2198  
 Delta R.T. -0.000 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

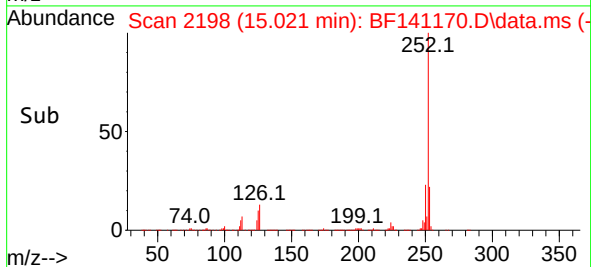
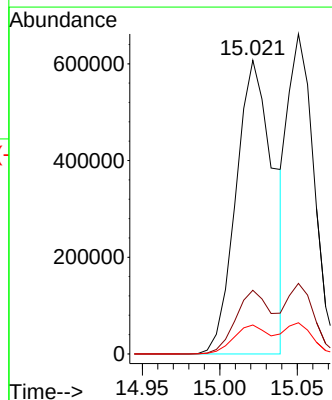
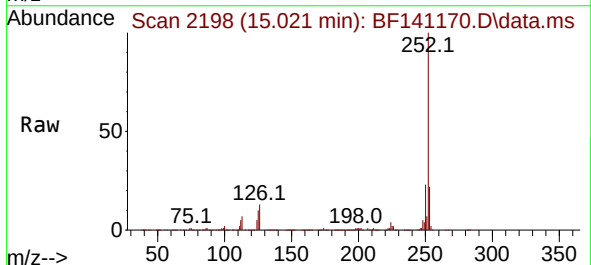
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166052BS

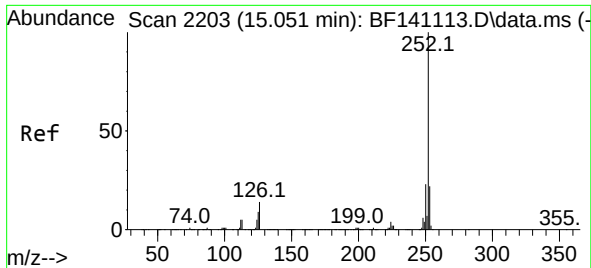
Tgt Ion:276 Resp: 1019288  
 Ion Ratio Lower Upper  
 276 100  
 138 24.0 20.7 31.1  
 277 25.4 20.6 30.8



#88  
 Benzo(b)fluoranthene  
 Concen: 56.536 ng  
 RT: 15.021 min Scan# 2198  
 Delta R.T. -0.000 min  
 Lab File: BF141170.D  
 Acq: 15 Jan 2025 12:38

Tgt Ion:252 Resp: 1022166  
 Ion Ratio Lower Upper  
 252 100  
 253 21.7 17.8 26.6  
 125 9.9 8.1 12.1

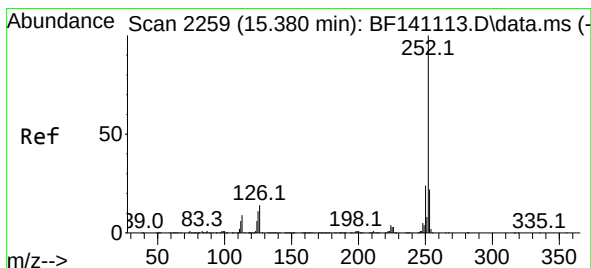
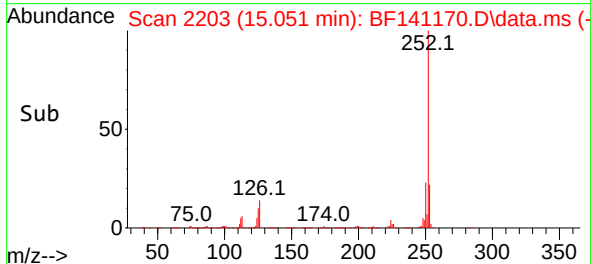
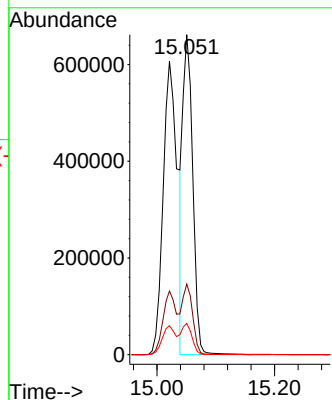
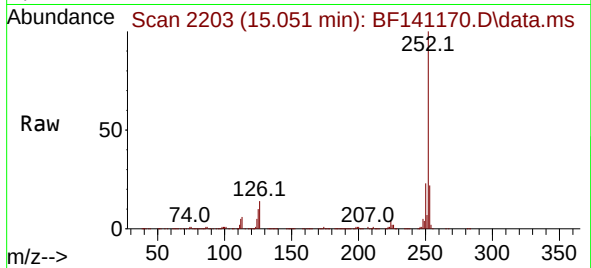




#89  
Benzo(k)fluoranthene  
Concen: 51.002 ng  
RT: 15.051 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

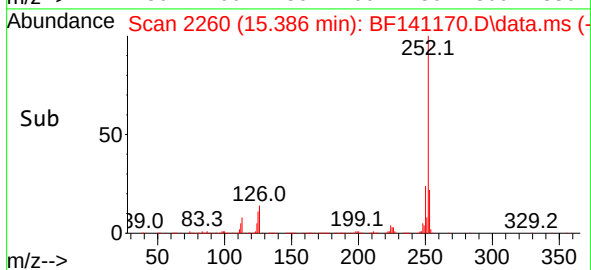
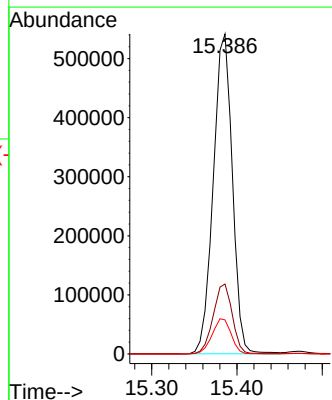
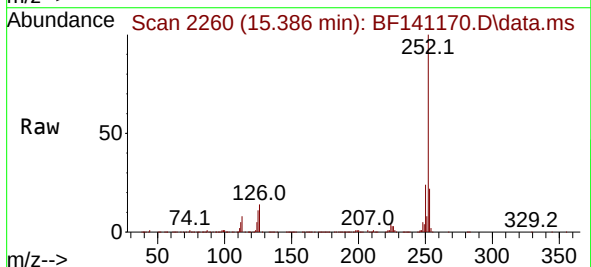
Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion:252 Resp: 779261  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.8 26.8  
125 9.8 7.9 11.9

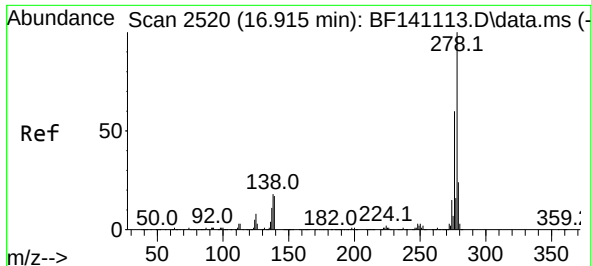


#90  
Benzo(a)pyrene  
Concen: 56.471 ng  
RT: 15.386 min Scan# 2260  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:252 Resp: 842373  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.7 26.5  
125 10.7 9.1 13.7



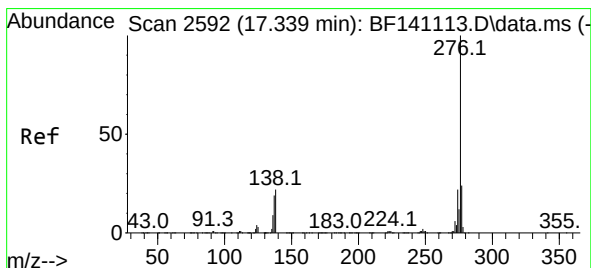
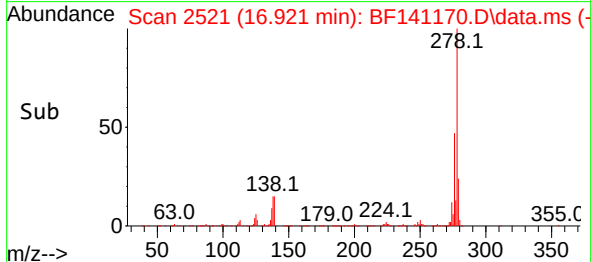
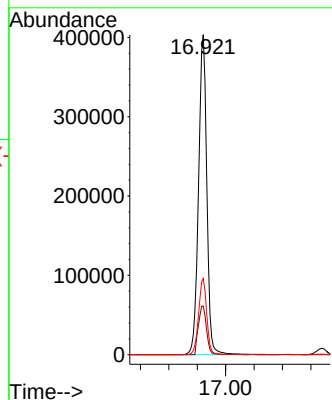
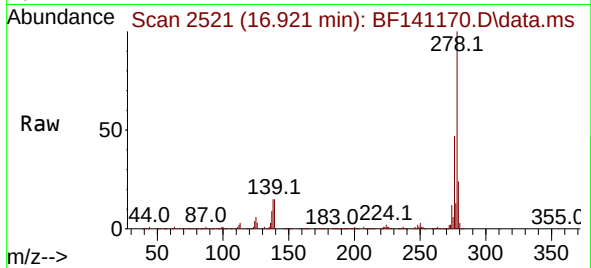




#91  
Dibenzo(a,h)anthracene  
Concen: 49.319 ng  
RT: 16.921 min Scan# 2521  
Delta R.T. 0.006 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB166052BS

Tgt Ion:278 Resp: 819393  
Ion Ratio Lower Upper  
278 100  
139 15.2 13.8 20.6  
279 23.8 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 43.803 ng  
RT: 17.339 min Scan# 2592  
Delta R.T. -0.000 min  
Lab File: BF141170.D  
Acq: 15 Jan 2025 12:38

Tgt Ion:276 Resp: 756968  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.0 28.4  
138 20.5 17.4 26.2

