

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121323\  
 Data File : BF136542.D  
 Acq On : 13 Dec 2023 17:33  
 Operator : CG\JU  
 Sample : PB157507BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB157507BS

Quant Time: Dec 14 01:42:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 126624   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.075  | 136  | 529352   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.833  | 164  | 271155   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.327 | 188  | 494415   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 264126   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.457 | 264  | 261608   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 956729   | 111.584 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.451  | 99   | 1169452  | 109.320 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 716228   | 73.145  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 381629   | 114.145 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 1480256  | 74.489  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.922 | 244  | 1565384  | 78.116  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.652  | 88   | 112274   | 33.107  | ng    | 98       |
| 3) Pyridine                   | 3.410  | 79   | 260757   | 31.750  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 130438   | 36.557  | ng    | 93       |
| 6) Aniline                    | 6.463  | 93   | 374312   | 34.623  | ng    | # 29     |
| 8) 2-Chlorophenol             | 6.587  | 128  | 376152   | 40.186  | ng    | 100      |
| 9) Benzaldehyde               | 6.351  | 77   | 152689   | 25.946  | ng    | 95       |
| 10) Phenol                    | 6.463  | 94   | 436928   | 38.384  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 335394   | 39.529  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 392527   | 37.289  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 398163   | 37.287  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.963  | 146  | 380015   | 37.845  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 296048   | 41.328  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 403150   | 36.943  | ng    | 95       |
| 17) 2-Methylphenol            | 7.057  | 107  | 298007   | 39.407  | ng    | 95       |
| 18) Hexachloroethane          | 7.304  | 117  | 140580   | 37.708  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 235698   | 38.195  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 359526   | 38.303  | ng    | 98       |
| 22) Acetophenone              | 7.210  | 105  | 511243   | 39.111  | ng    | 96       |
| 24) Nitrobenzene              | 7.381  | 77   | 358338   | 36.378  | ng    | 99       |
| 25) Isophorone                | 7.622  | 82   | 667177   | 37.925  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 201549   | 41.620  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.739  | 122  | 330480   | 55.345  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.828  | 93   | 416439   | 38.523  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 312060   | 39.593  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.016  | 180  | 347954   | 37.860  | ng    | 99       |
| 31) Naphthalene               | 8.098  | 128  | 1083353  | 37.112  | ng    | 99       |
| 32) Benzoic acid              | 7.875  | 122  | 240106   | 40.534  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.145  | 127  | 271734   | 26.111  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.210  | 225  | 204703   | 37.583  | ng    | 99       |
| 35) Caprolactam               | 8.528  | 113  | 61684    | 25.414  | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 324487   | 38.774  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 717133   | 38.615  | ng    | 94       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 660811   | 36.261  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 346295   | 41.050  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 343754   | 109.990 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 228029   | 41.513  | ng    | 97       |

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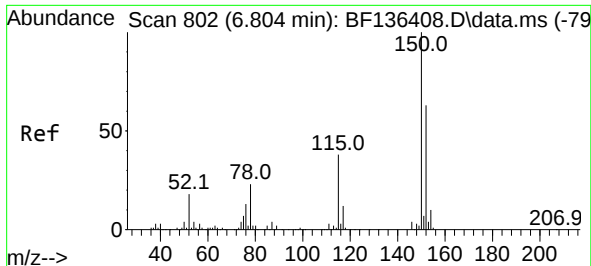
Quant Time: Dec 14 01:42:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 06 09:40:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 242439   | 39.545 | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 907018   | 39.312 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.281  | 162  | 683840   | 38.080 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.381  | 65   | 187646   | 38.960 | ng    | 92       |
| 49) Acenaphthylene            | 9.698  | 152  | 1007374  | 39.379 | ng    | 98       |
| 50) Dimethylphthalate         | 9.563  | 163  | 804825   | 40.315 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 179925   | 40.062 | ng    | # 87     |
| 52) Acenaphthene              | 9.869  | 154  | 633973   | 38.674 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 144481   | 31.503 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.904  | 184  | 193128   | 85.050 | ng    | # 90     |
| 55) Dibenzofuran              | 10.045 | 168  | 945758   | 39.492 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 263078   | 76.519 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 231917   | 39.035 | ng    | 97       |
| 58) Fluorene                  | 10.386 | 166  | 734805   | 38.224 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 207329   | 42.220 | ng    | 98       |
| 60) Diethylphthalate          | 10.263 | 149  | 781255   | 39.798 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.380 | 204  | 369676   | 39.447 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 170839   | 37.514 | ng    | 93       |
| 63) Azobenzene                | 10.539 | 77   | 680292   | 38.073 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 136724   | 44.652 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 666835   | 42.032 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 234753   | 40.838 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.933 | 284  | 267573   | 40.274 | ng    | 94       |
| 69) Atrazine                  | 11.039 | 200  | 287927   | 63.587 | ng    | 96       |
| 70) Pentachlorophenol         | 11.133 | 266  | 263689   | 70.324 | ng    | 98       |
| 71) Phenanthrene              | 11.351 | 178  | 1107245  | 40.745 | ng    | 99       |
| 72) Anthracene                | 11.404 | 178  | 1122760  | 41.020 | ng    | 98       |
| 73) Carbazole                 | 11.563 | 167  | 951835   | 39.290 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 1204765  | 40.567 | ng    | 99       |
| 75) Fluoranthene              | 12.545 | 202  | 1044029  | 36.661 | ng    | 99       |
| 77) Benzidine                 | 12.669 | 184  | 262645   | 42.118 | ng    | 98       |
| 78) Pyrene                    | 12.774 | 202  | 1037815  | 40.120 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 391387   | 42.504 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 748944   | 40.708 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 236545   | 45.856 | ng    | 98       |
| 83) Chrysene                  | 14.004 | 228  | 718398   | 39.688 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 511994   | 45.355 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 840290   | 50.394 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 883671   | 48.621 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 752870   | 42.091 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 694203   | 41.182 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 633026   | 42.854 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 738361   | 49.590 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 735007   | 48.095 | ng    | 99       |

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

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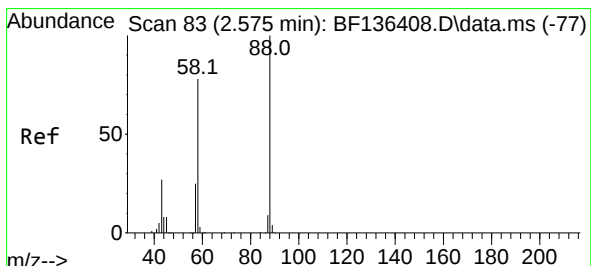
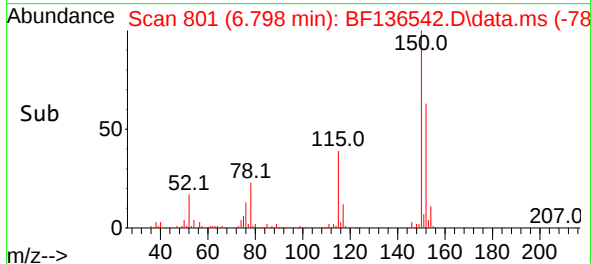
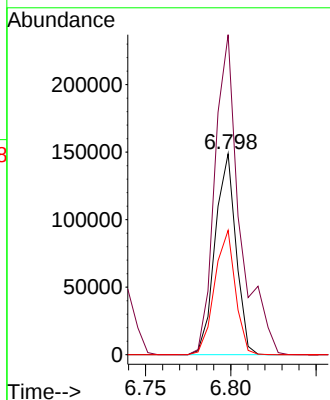
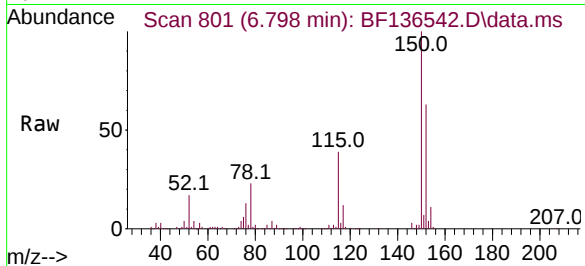




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BF136542.D  
 Acq: 13 Dec 2023 17:33

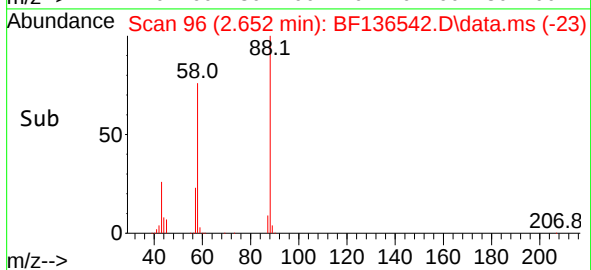
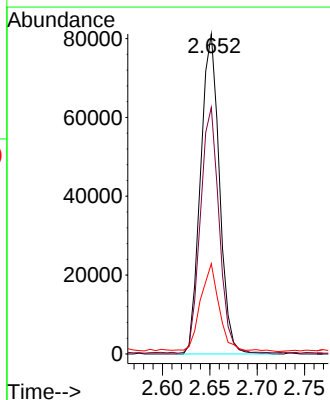
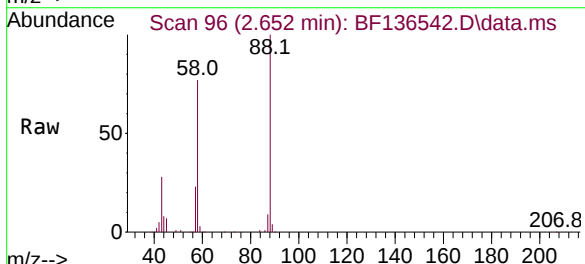
Instrument :  
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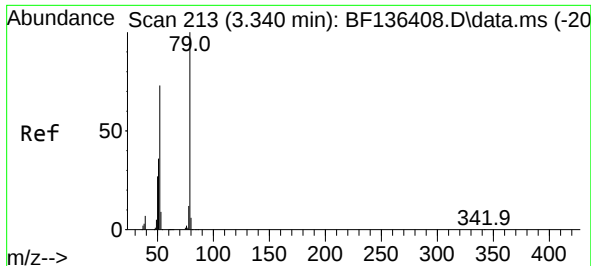
Tgt Ion:152 Resp: 126624  
 Ion Ratio Lower Upper  
 152 100  
 150 159.2 126.4 189.6  
 115 61.9 48.2 72.4



#2  
 1,4-Dioxane  
 Concen: 33.107 ng  
 RT: 2.652 min Scan# 96  
 Delta R.T. 0.076 min  
 Lab File: BF136542.D  
 Acq: 13 Dec 2023 17:33

Tgt Ion: 88 Resp: 112274  
 Ion Ratio Lower Upper  
 88 100  
 58 76.0 62.2 93.2  
 43 25.9 21.5 32.3





#3

Pyridine

Concen: 31.750 ng

RT: 3.410 min Scan# 21

Delta R.T. 0.071 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

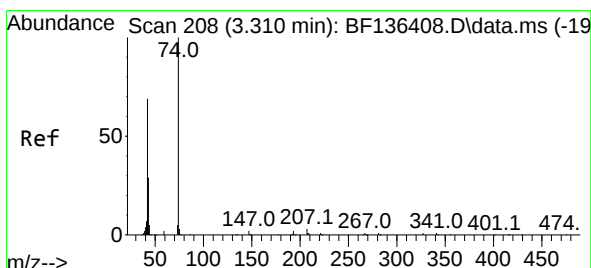
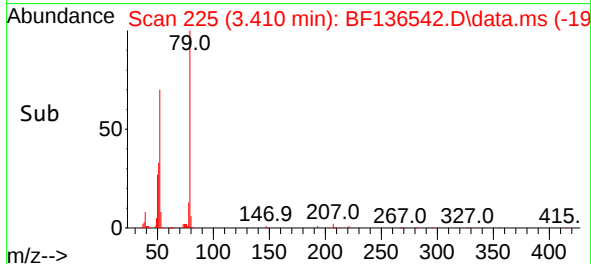
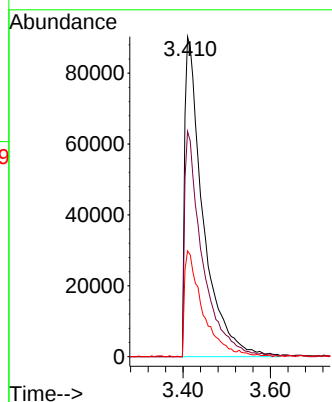
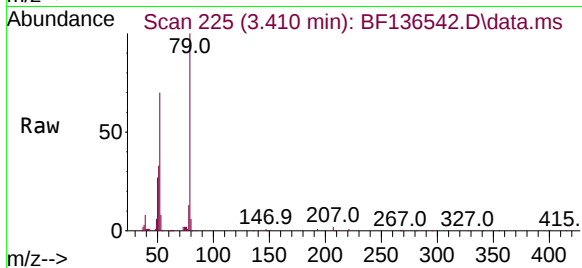
Tgt Ion: 79 Resp: 260757

Ion Ratio Lower Upper

79 100

52 70.4 58.2 87.2

51 33.1 29.1 43.7



#4

n-Nitrosodimethylamine

Concen: 36.557 ng

RT: 3.375 min Scan# 219

Delta R.T. 0.065 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

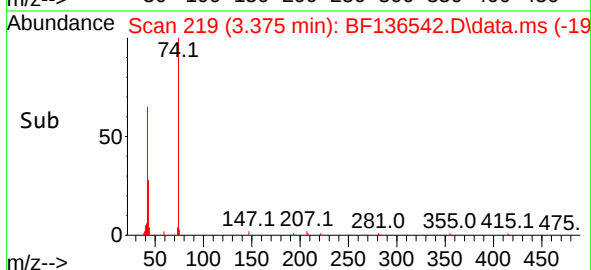
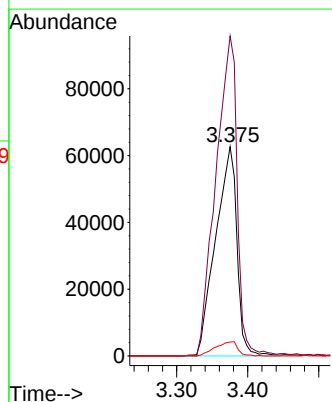
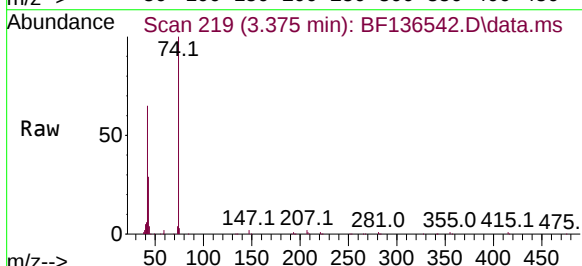
Tgt Ion: 42 Resp: 130438

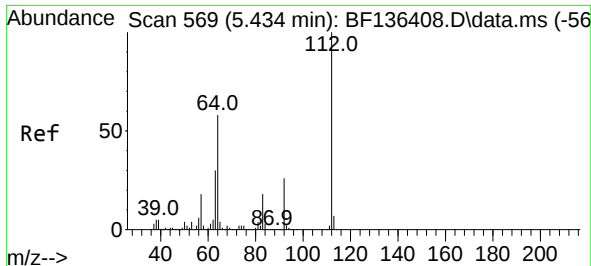
Ion Ratio Lower Upper

42 100

74 152.9 115.4 173.0

44 6.7 6.2 9.2

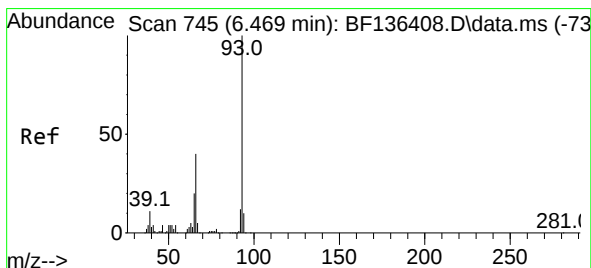
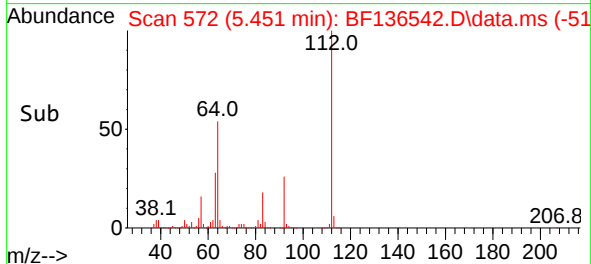
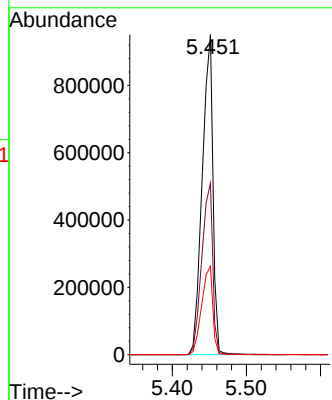
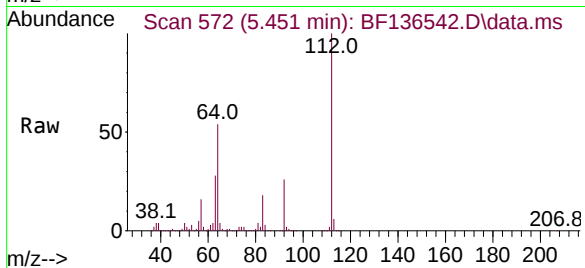




#5  
2-Fluorophenol  
Concen: 111.584 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

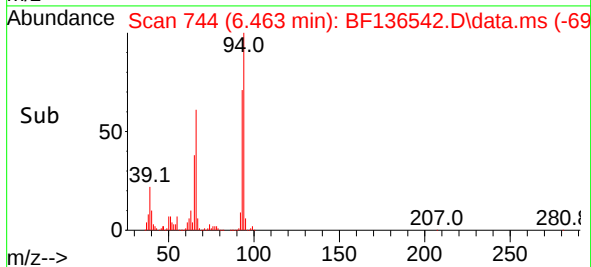
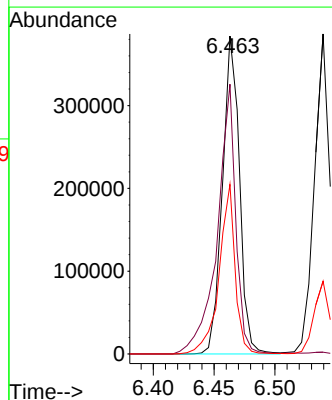
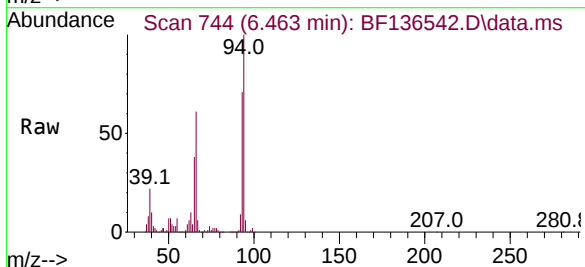
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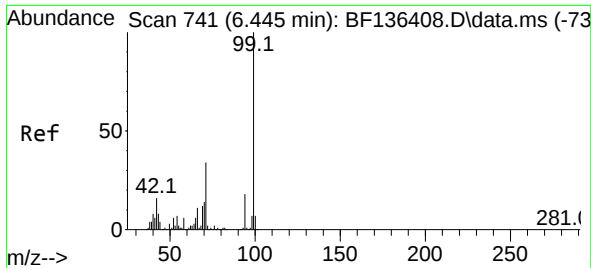
Tgt Ion:112 Resp: 956729  
Ion Ratio Lower Upper  
112 100  
64 53.6 46.5 69.7  
63 27.7 23.9 35.9



#6  
Aniline  
Concen: 34.623 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion: 93 Resp: 374312  
Ion Ratio Lower Upper  
93 100  
66 84.8 32.5 48.7#  
65 53.3 16.4 24.6#

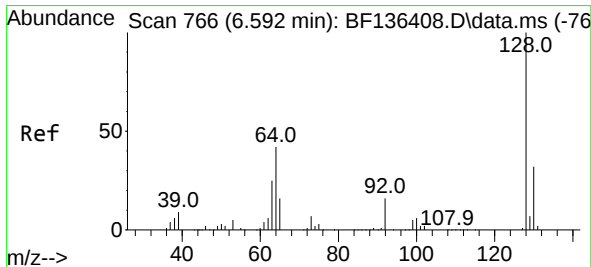
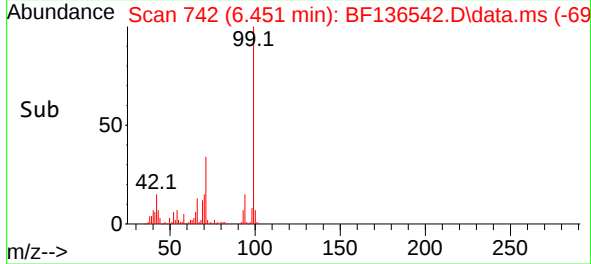
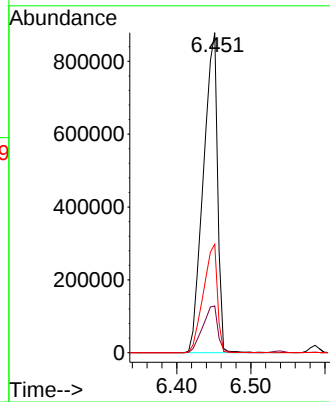
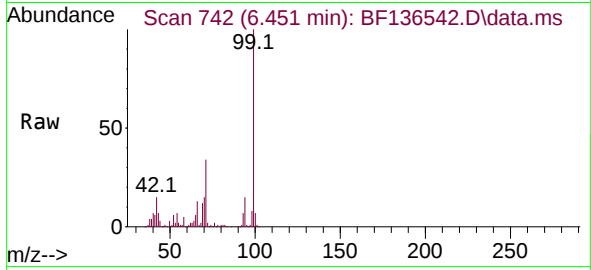




#7  
Phenol-d6  
Concen: 109.320 ng  
RT: 6.451 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

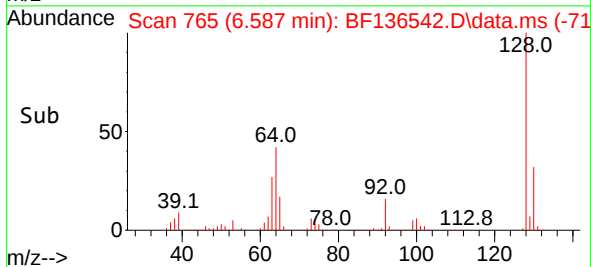
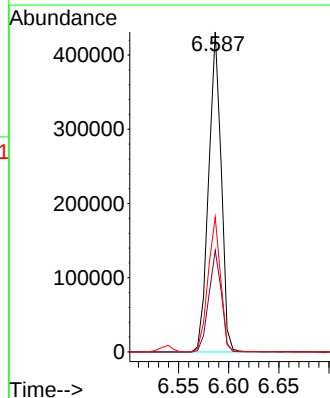
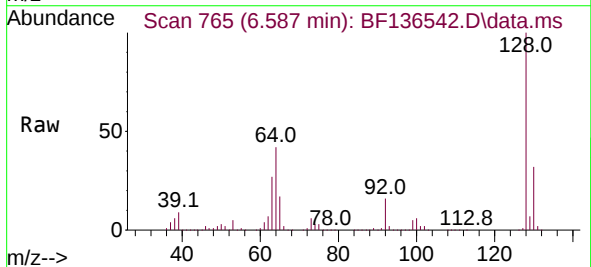
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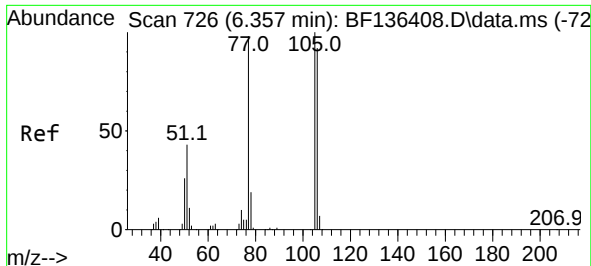
Tgt Ion: 99 Resp: 1169452  
Ion Ratio Lower Upper  
99 100  
42 14.6 12.8 19.2  
71 33.9 27.0 40.4



#8  
2-Chlorophenol  
Concen: 40.186 ng  
RT: 6.587 min Scan# 765  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:128 Resp: 376152  
Ion Ratio Lower Upper  
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130 31.8 11.7 51.7  
64 42.2 22.5 62.5

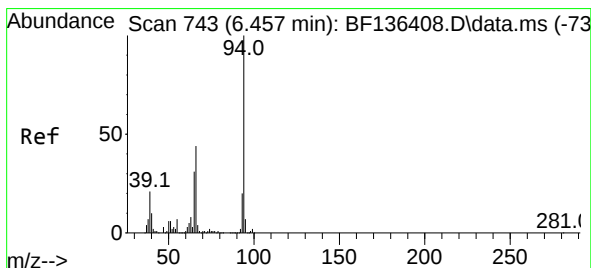
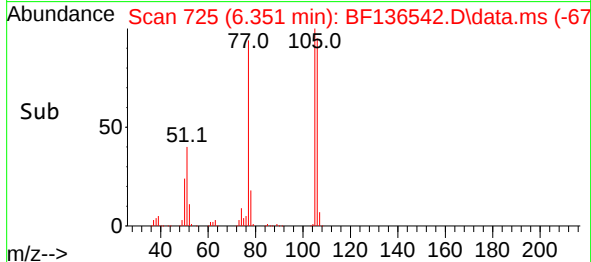
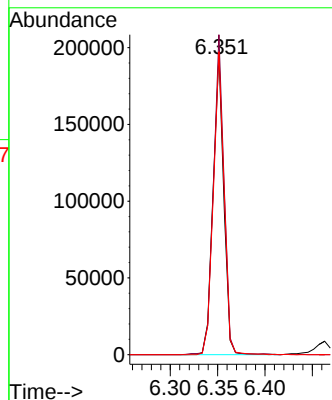
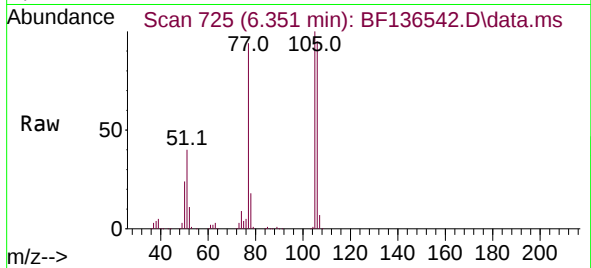




#9  
Benzaldehyde  
Concen: 25.946 ng  
RT: 6.351 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

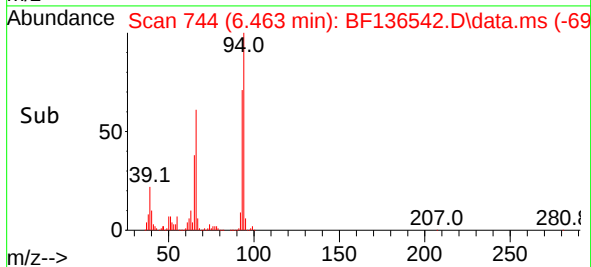
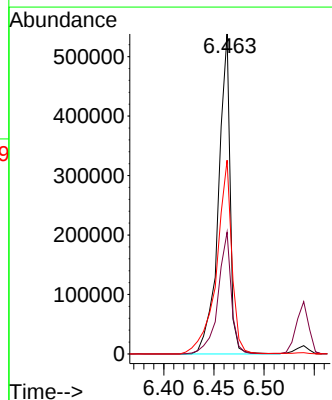
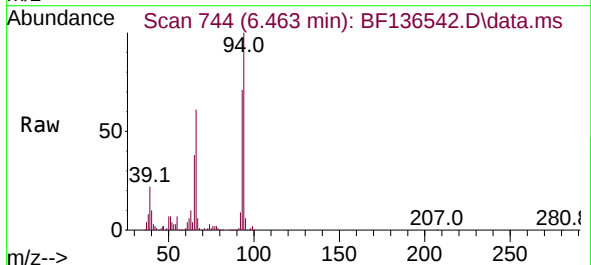
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion: 77 Resp: 152689  
Ion Ratio Lower Upper  
77 100  
105 106.3 82.5 122.5  
106 100.6 74.5 114.5



#10  
Phenol  
Concen: 38.384 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion: 94 Resp: 436928  
Ion Ratio Lower Upper  
94 100  
65 38.1 11.2 51.2  
66 60.5 24.2 64.2





#11

bis(2-Chloroethyl)ether

Concen: 39.529 ng

RT: 6.540 min Scan# 711

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

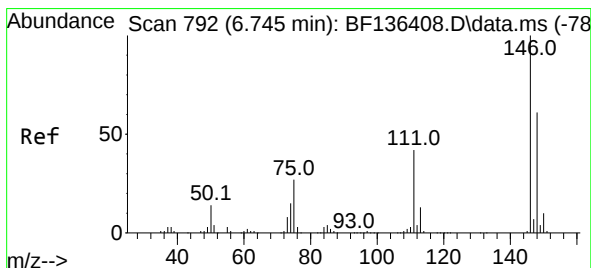
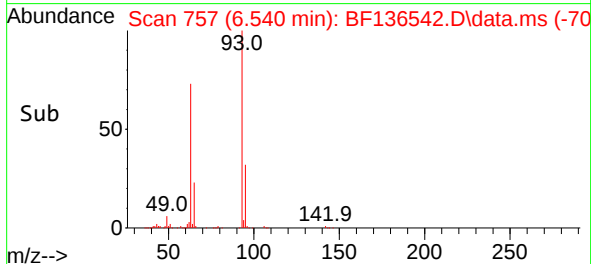
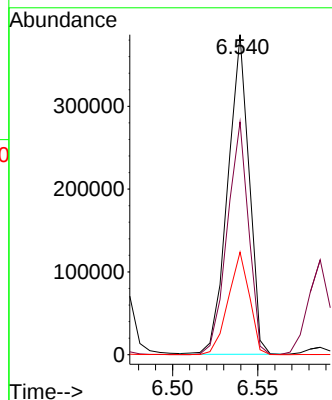
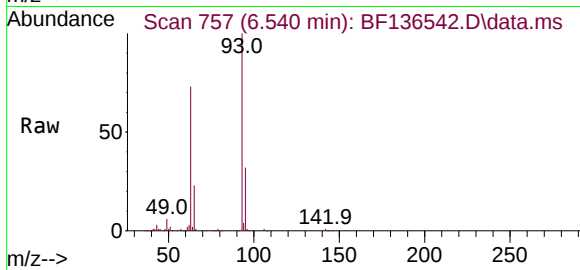
BNA\_F

ClientSampleId :

PB157507BS

Tgt Ion: 93 Resp: 335394

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 72.7  | 56.8  | 96.8  |
| 95  | 32.0  | 11.8  | 51.8  |



#12

1,3-Dichlorobenzene

Concen: 37.289 ng

RT: 6.740 min Scan# 791

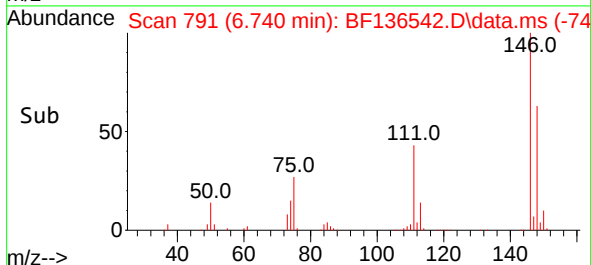
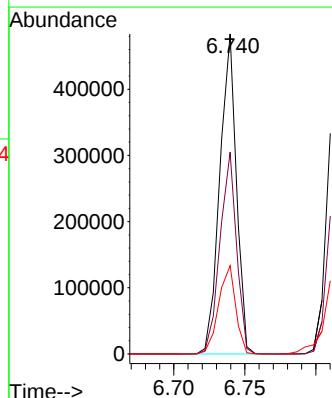
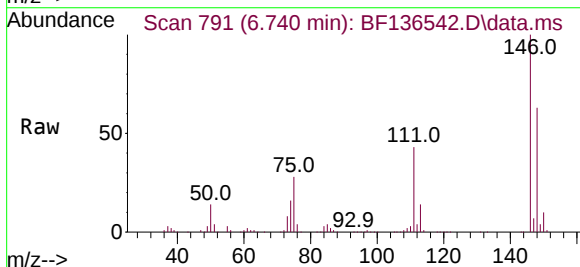
Delta R.T. -0.006 min

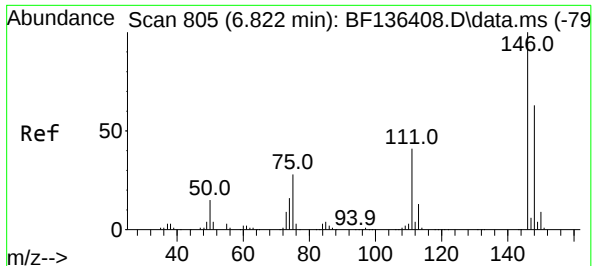
Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Tgt Ion: 146 Resp: 392527

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.1  | 49.0  | 73.6  |
| 75  | 27.6  | 21.8  | 32.6  |





#13

1,4-Dichlorobenzene

Concen: 37.287 ng

RT: 6.816 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

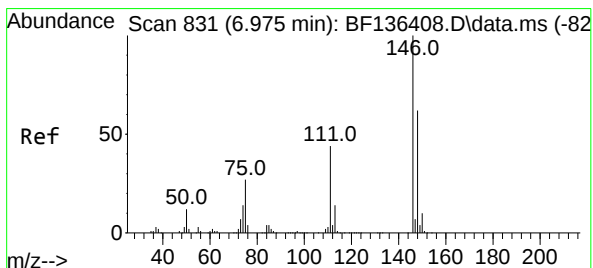
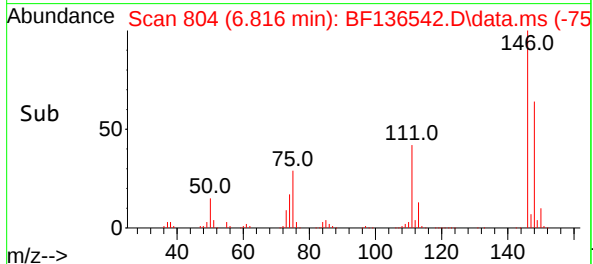
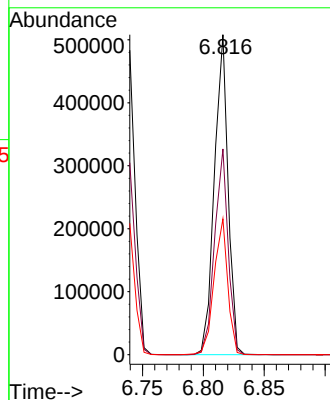
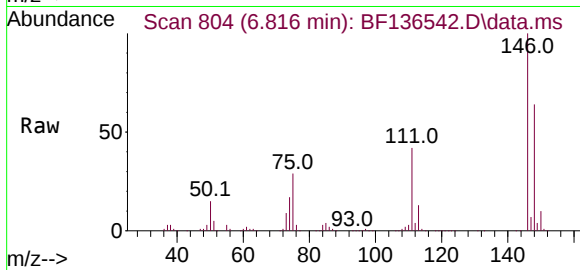
Tgt Ion:146 Resp: 398163

Ion Ratio Lower Upper

146 100

148 64.3 50.3 75.5

111 42.5 32.6 49.0



#14

1,2-Dichlorobenzene

Concen: 37.845 ng

RT: 6.963 min Scan# 829

Delta R.T. -0.012 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

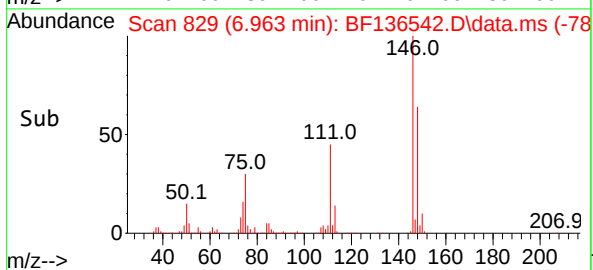
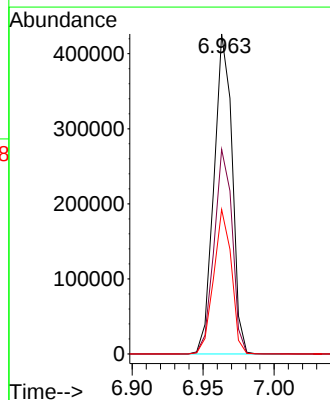
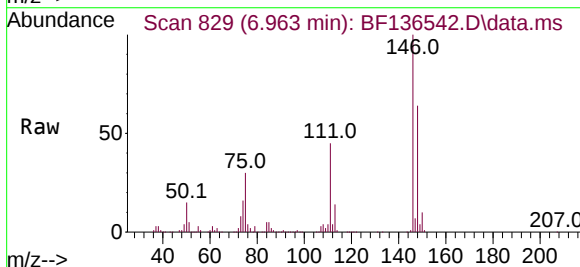
Tgt Ion:146 Resp: 380015

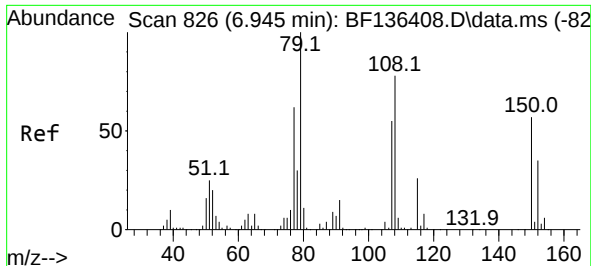
Ion Ratio Lower Upper

146 100

148 63.9 49.8 74.6

111 45.1 34.9 52.3

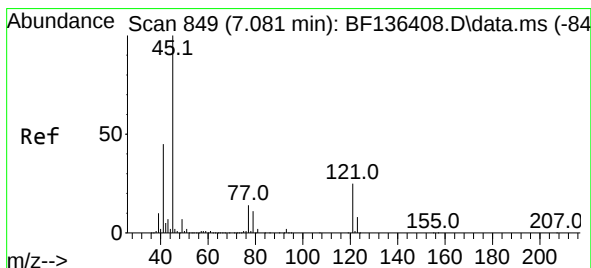
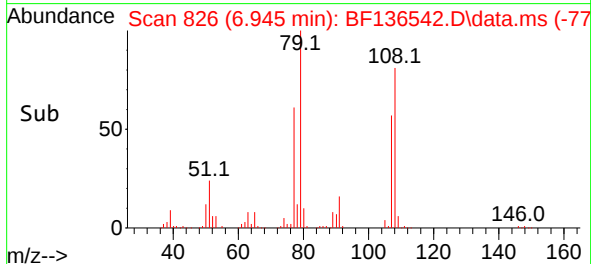
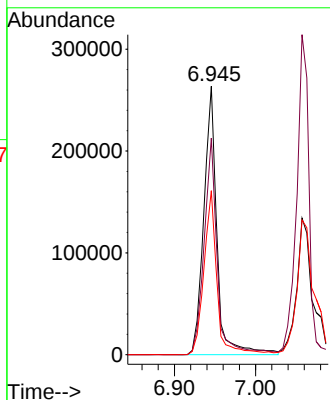
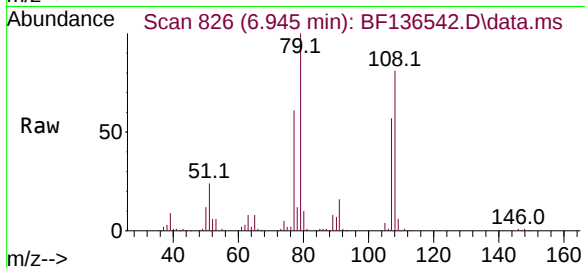




#15  
Benzyl Alcohol  
Concen: 41.328 ng  
RT: 6.945 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

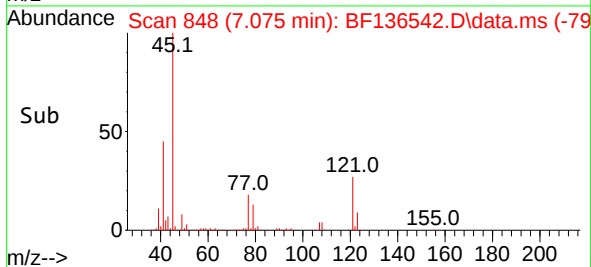
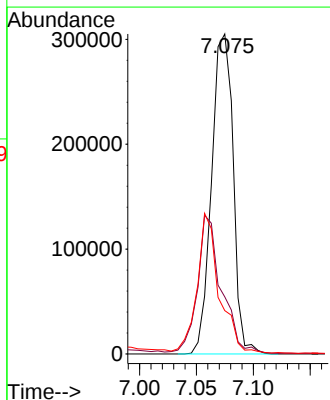
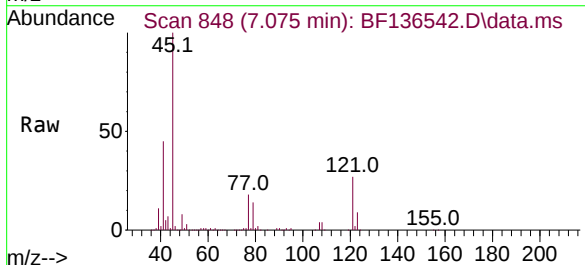
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion: 79 Resp: 296048  
Ion Ratio Lower Upper  
79 100  
108 80.7 62.3 93.5  
77 61.1 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.943 ng  
RT: 7.075 min Scan# 848  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

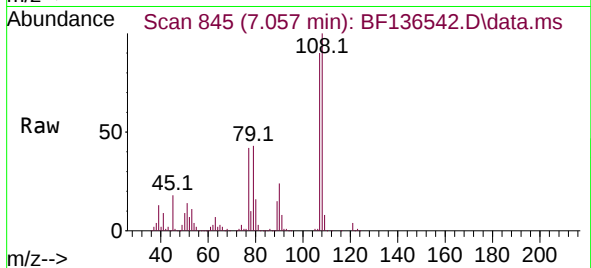
Tgt Ion: 45 Resp: 403150  
Ion Ratio Lower Upper  
45 100  
77 17.8 0.0 35.3  
79 13.6 0.0 32.5



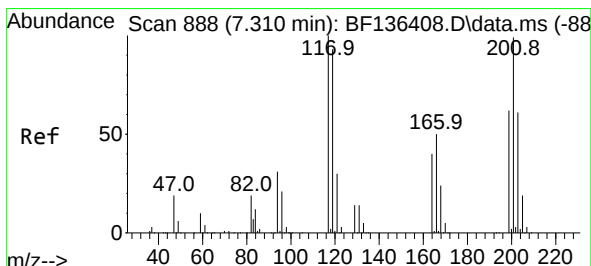
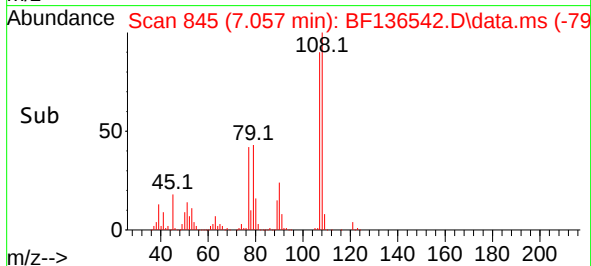
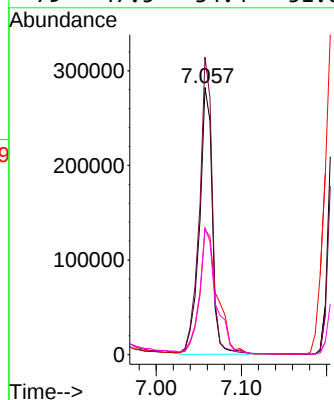


#17  
2-Methylphenol  
Concen: 39.407 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

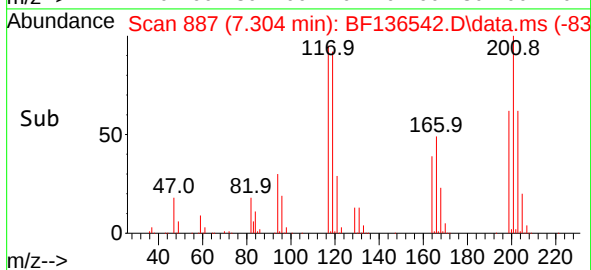
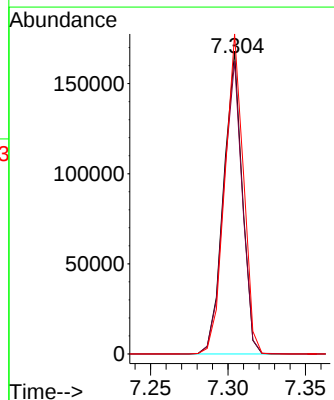
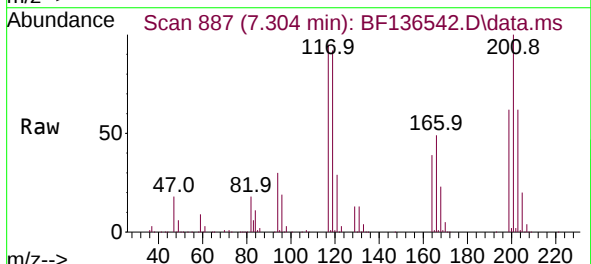


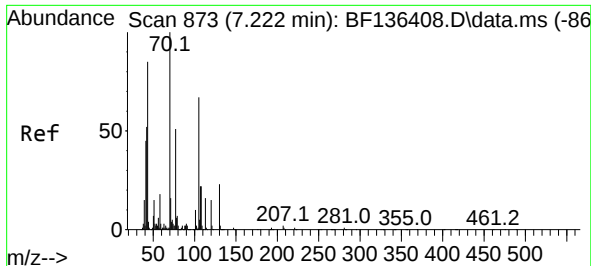
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 298007 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.3 | 86.5  | 129.7  |
| 77       | 46.8  | 33.8  | 50.8   |
| 79       | 47.5  | 34.4  | 51.6   |



#18  
Hexachloroethane  
Concen: 37.708 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 140580 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.8  | 74.3  | 111.5  |
| 201      | 105.7 | 79.3  | 118.9  |

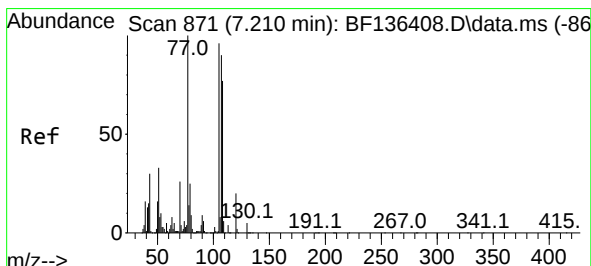
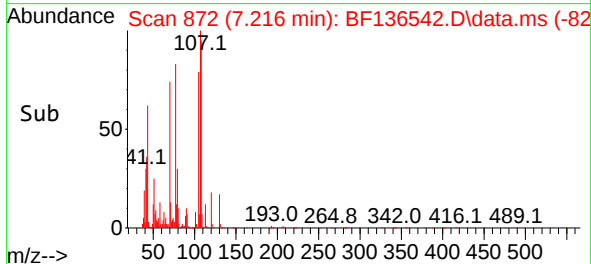
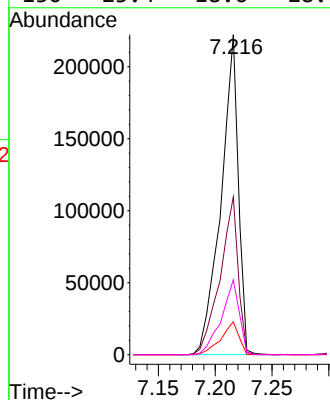
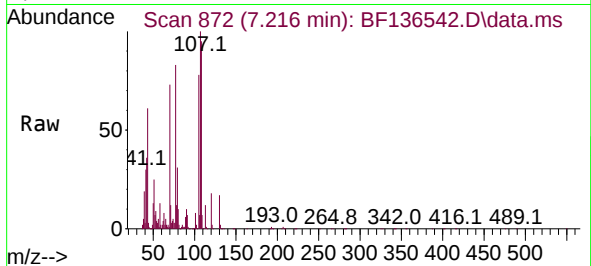




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.195 ng  
RT: 7.216 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

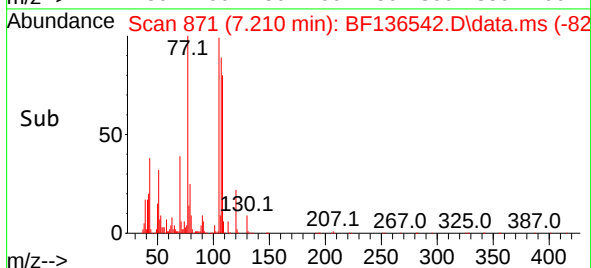
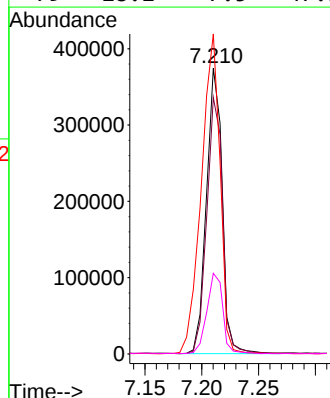
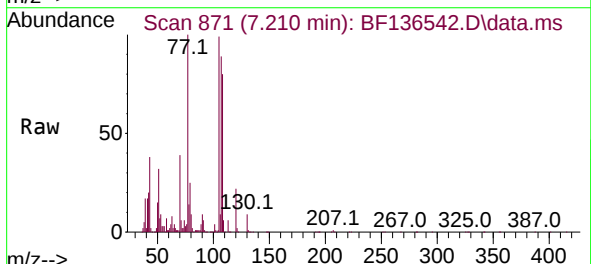
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

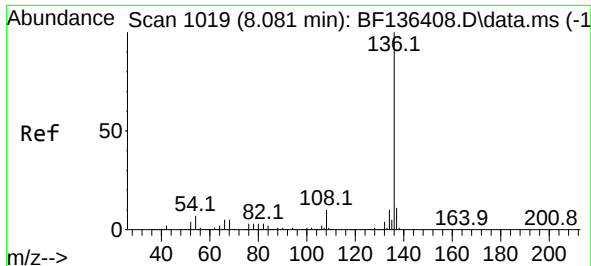
Tgt Ion: 70 Resp: 235698  
Ion Ratio Lower Upper  
70 100  
42 49.3 41.4 62.0  
101 10.3 8.2 12.4  
130 23.4 18.6 28.0



#20  
3+4-Methylphenols  
Concen: 38.303 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion: 107 Resp: 359526  
Ion Ratio Lower Upper  
107 100  
108 89.7 65.9 105.9  
77 112.0 91.7 131.7  
79 28.2 7.5 47.5



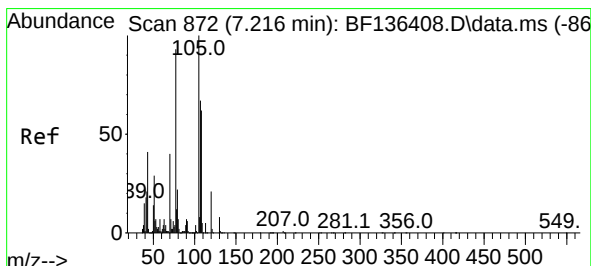
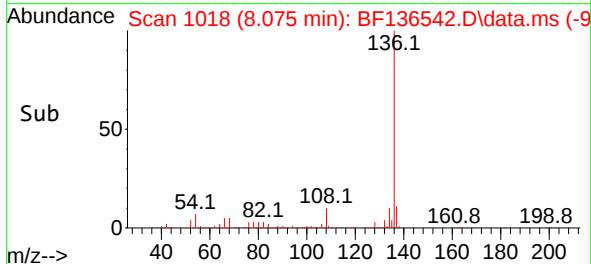
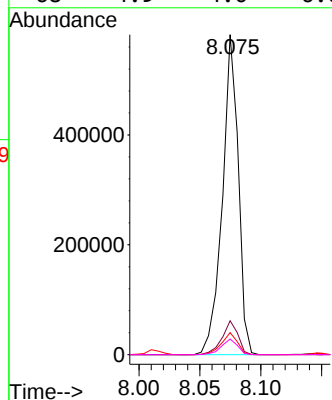
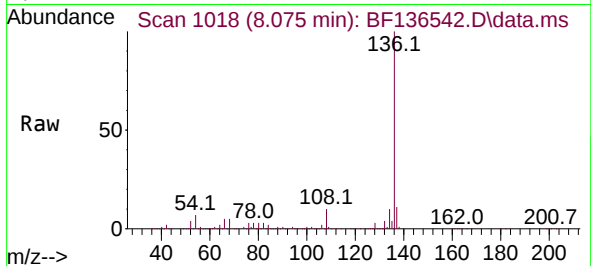


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.075 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion:136 Resp: 529352

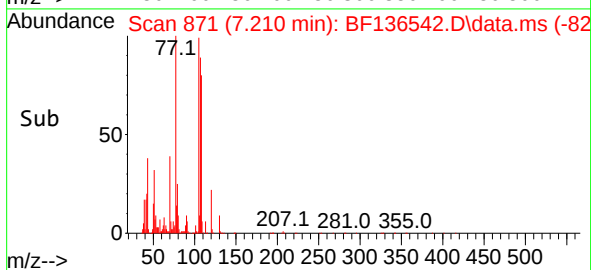
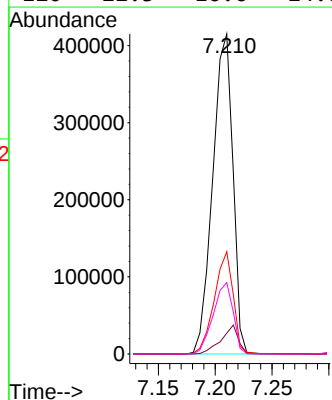
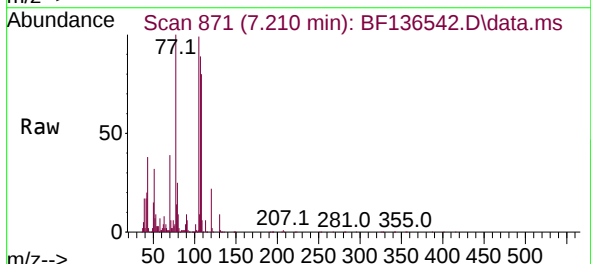
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.6  | 8.6   | 12.8  |
| 54  | 6.9   | 5.7   | 8.5   |
| 68  | 4.9   | 4.0   | 6.0   |

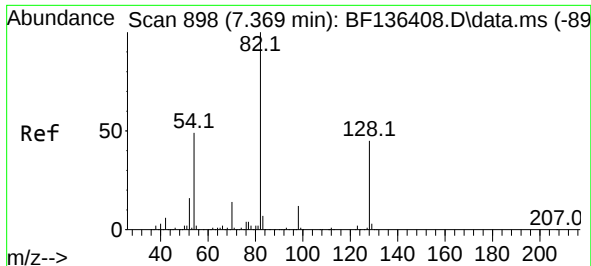


#22  
Acetophenone  
Concen: 39.111 ng  
RT: 7.210 min Scan# 871  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:105 Resp: 511243

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 6.5   | 5.4   | 8.0   |
| 51  | 32.0  | 23.4  | 35.2  |
| 120 | 22.3  | 16.6  | 24.8  |





#23

Nitrobenzene-d5

Concen: 73.145 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

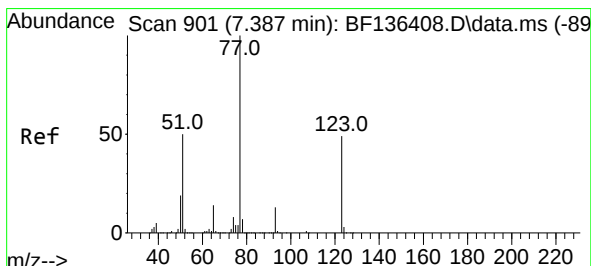
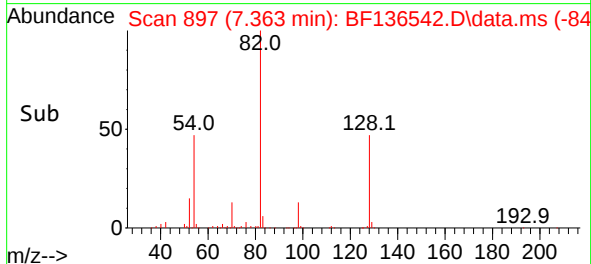
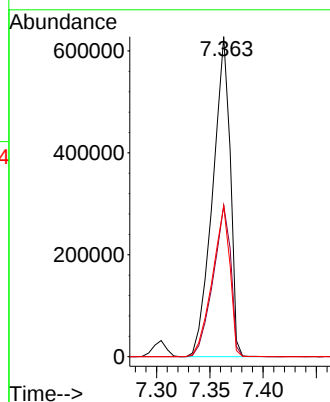
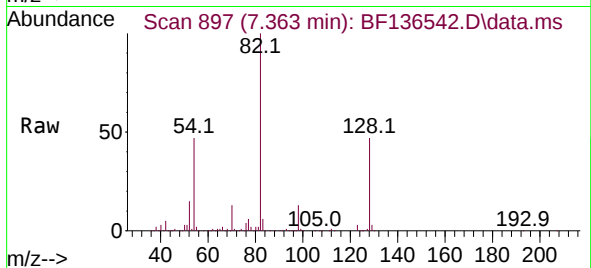
Tgt Ion: 82 Resp: 716228

Ion Ratio Lower Upper

82 100

128 47.3 36.3 54.5

54 47.1 39.0 58.6



#24

Nitrobenzene

Concen: 36.378 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

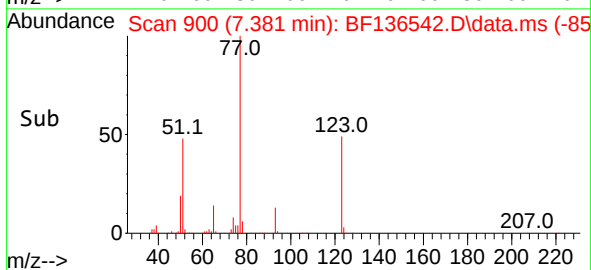
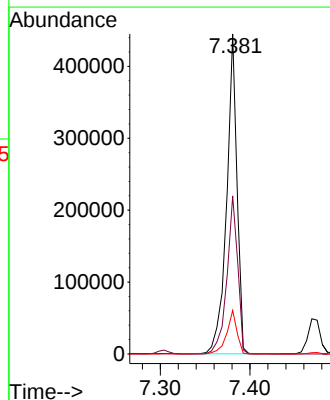
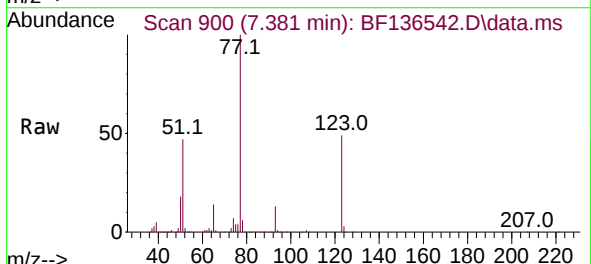
Tgt Ion: 77 Resp: 358338

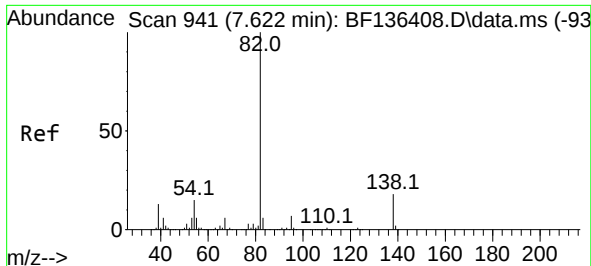
Ion Ratio Lower Upper

77 100

123 49.4 39.0 58.6

65 13.6 11.3 16.9

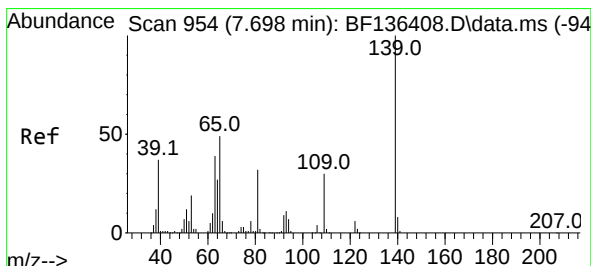
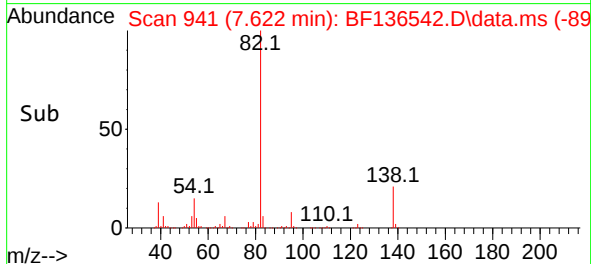
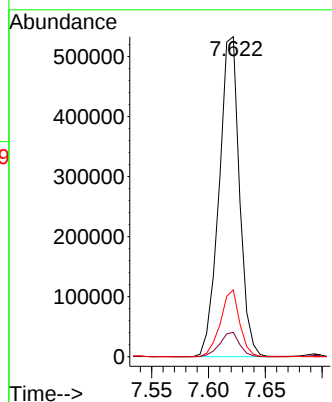
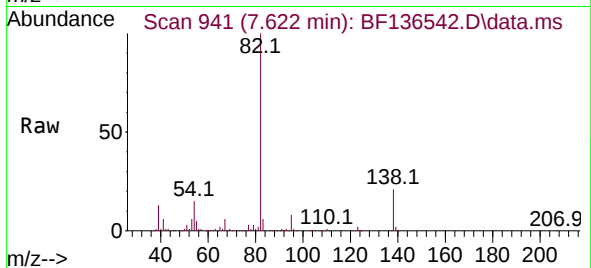




#25  
Isophorone  
Concen: 37.925 ng  
RT: 7.622 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

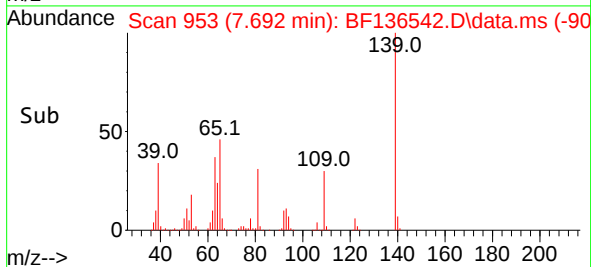
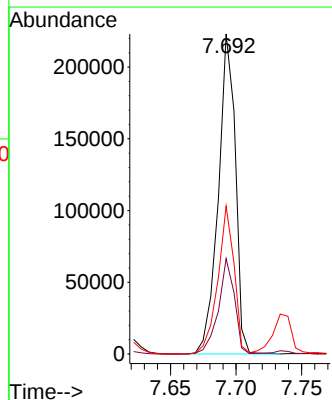
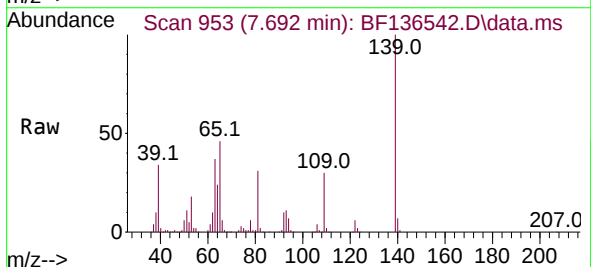
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

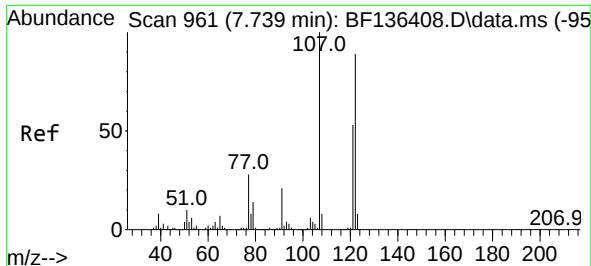
Tgt Ion: 82 Resp: 667177  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.7 8.5  
138 20.9 14.5 21.7



#26  
2-Nitrophenol  
Concen: 41.620 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:139 Resp: 201549  
Ion Ratio Lower Upper  
139 100  
109 29.8 23.6 35.4  
65 46.2 39.4 59.2

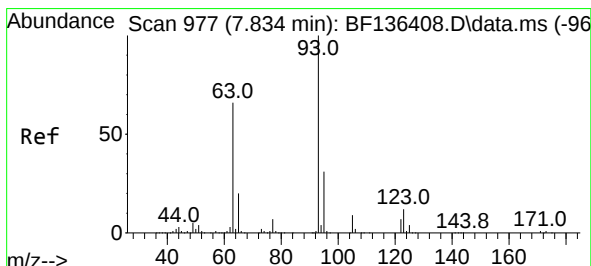
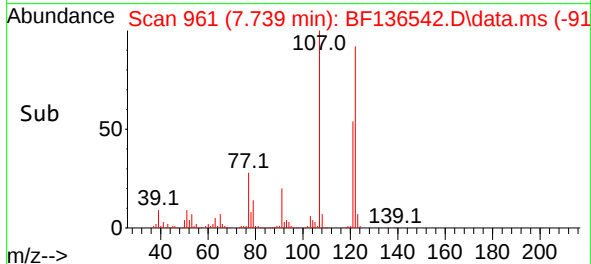
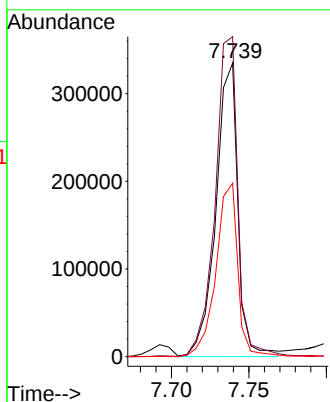
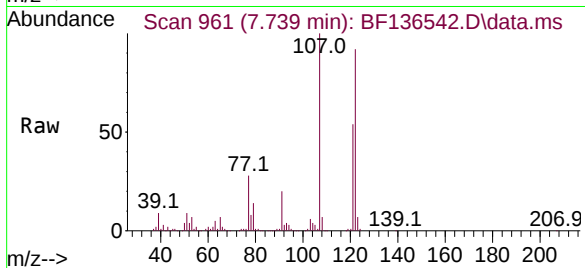




#27  
2,4-Dimethylphenol  
Concen: 55.345 ng  
RT: 7.739 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

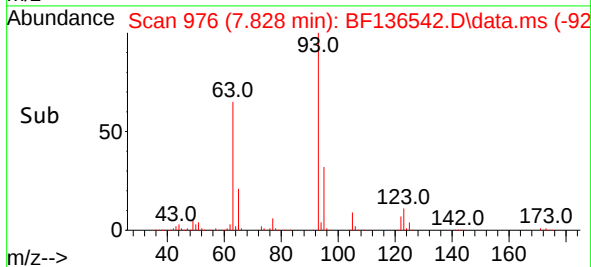
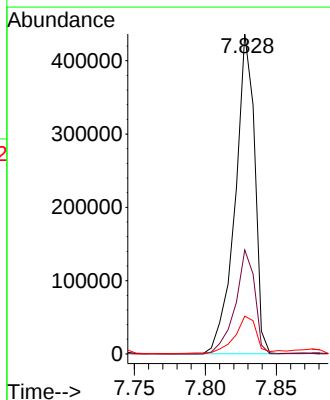
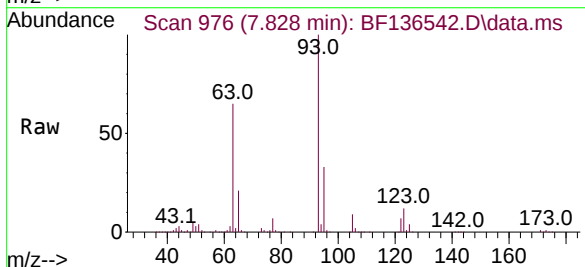
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

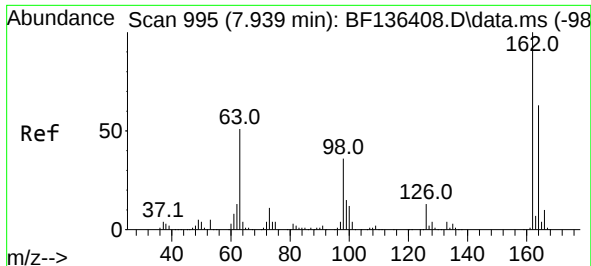
Tgt Ion:122 Resp: 330480  
Ion Ratio Lower Upper  
122 100  
107 109.0 89.3 133.9  
121 59.1 47.6 71.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 38.523 ng  
RT: 7.828 min Scan# 976  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion: 93 Resp: 416439  
Ion Ratio Lower Upper  
93 100  
95 32.5 25.0 37.4  
123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 39.593 ng

RT: 7.939 min Scan# 995

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

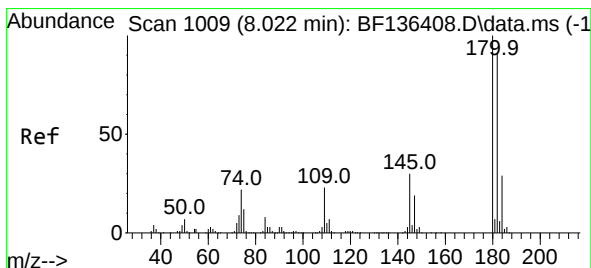
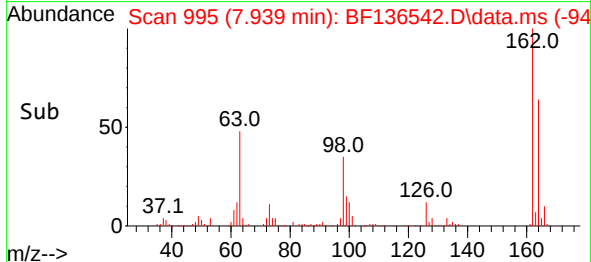
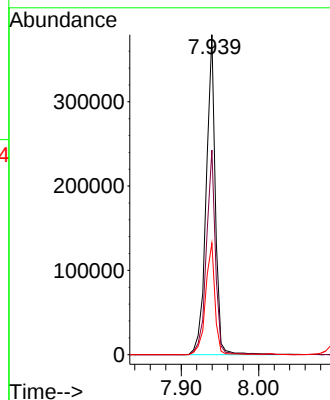
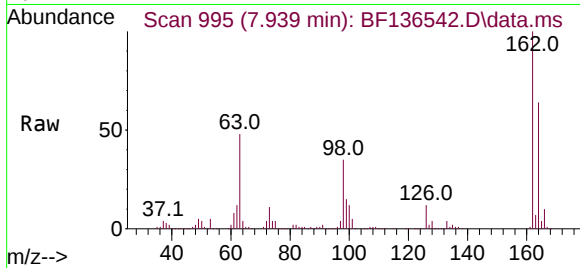
Tgt Ion:162 Resp: 312060

Ion Ratio Lower Upper

162 100

164 63.9 43.0 83.0

98 34.9 16.2 56.2



#30

1,2,4-Trichlorobenzene

Concen: 37.860 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

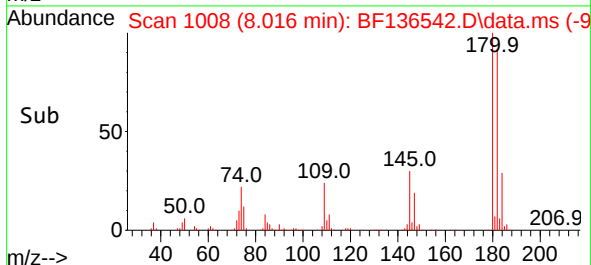
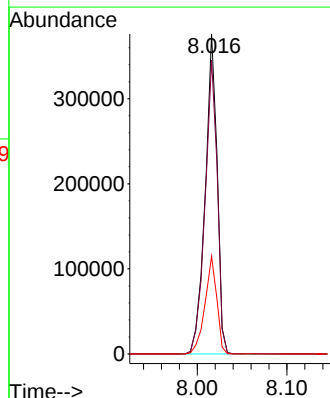
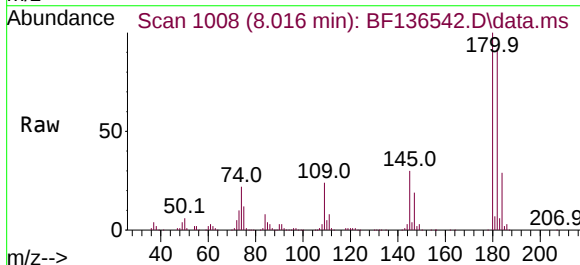
Tgt Ion:180 Resp: 347954

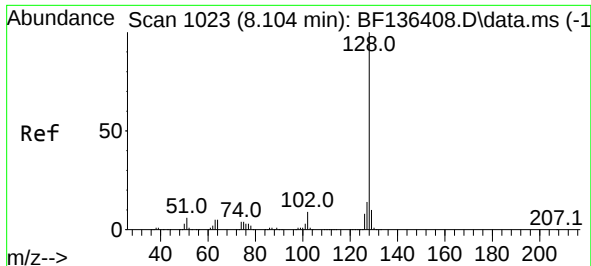
Ion Ratio Lower Upper

180 100

182 91.9 73.1 109.7

145 30.5 23.8 35.8

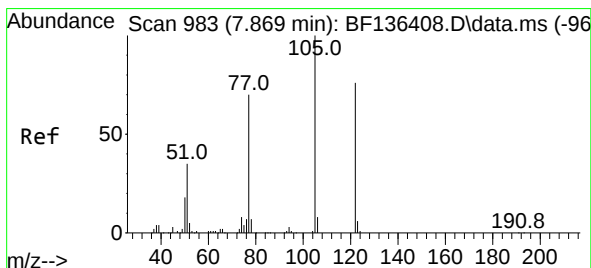
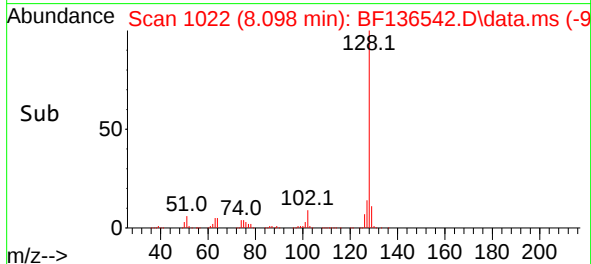
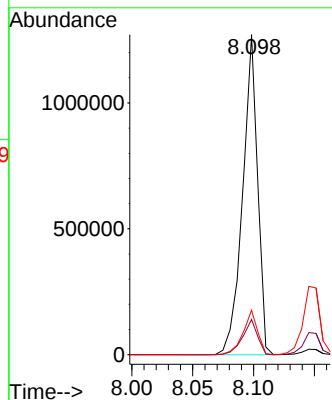
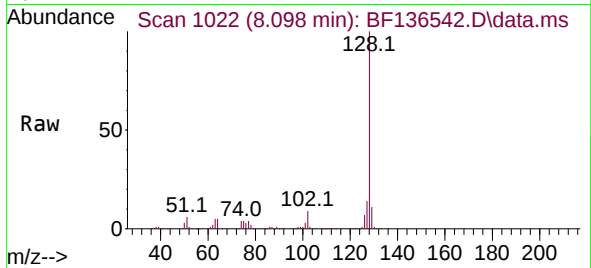




#31  
Naphthalene  
Concen: 37.112 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

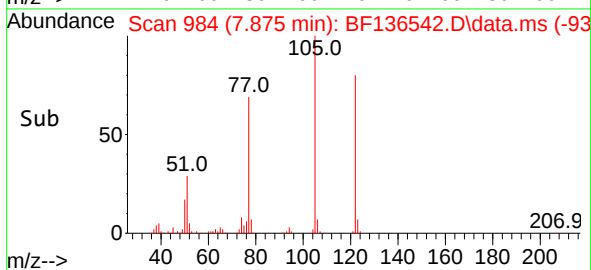
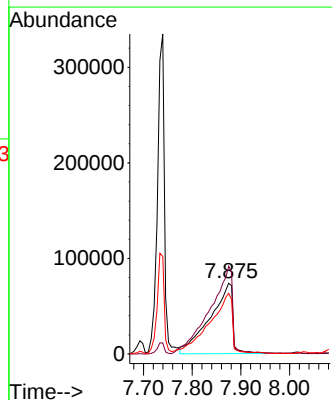
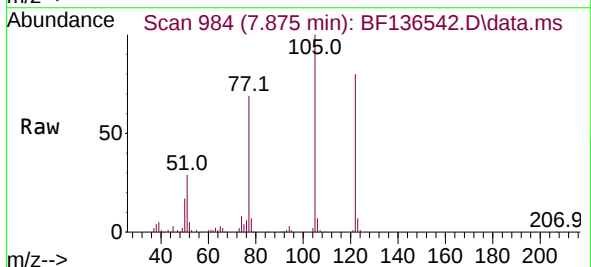
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

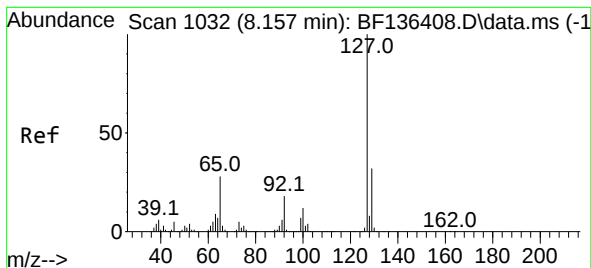
Tgt Ion:128 Resp: 1083353  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.3 12.5  
127 13.9 11.1 16.7



#32  
Benzoic acid  
Concen: 40.534 ng  
RT: 7.875 min Scan# 984  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:122 Resp: 240106  
Ion Ratio Lower Upper  
122 100  
105 124.3 104.7 144.7  
77 85.8 68.5 108.5





#33

4-Chloroaniline

Concen: 26.111 ng

RT: 8.145 min Scan# 1032

Delta R.T. -0.012 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

Tgt Ion:127 Resp: 271734

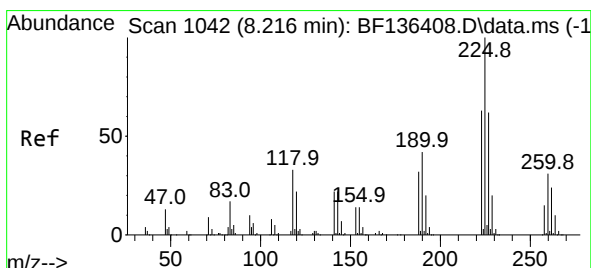
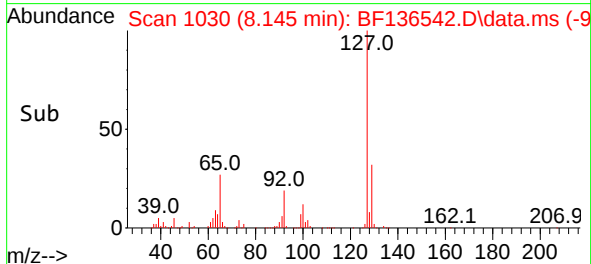
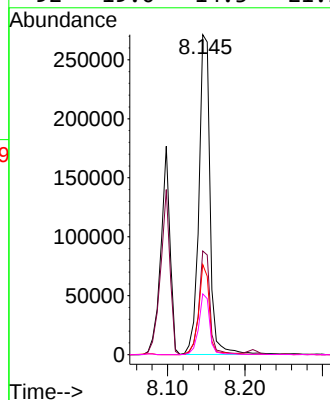
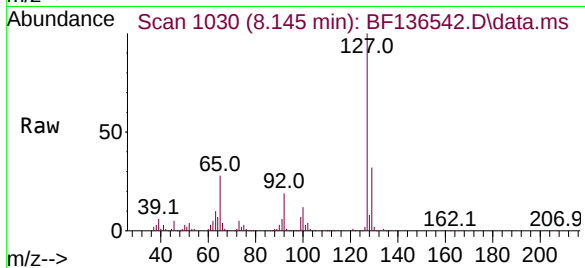
Ion Ratio Lower Upper

127 100

129 32.4 25.4 38.2

65 28.1 22.5 33.7

92 19.0 14.3 21.5



#34

Hexachlorobutadiene

Concen: 37.583 ng

RT: 8.210 min Scan# 1041

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

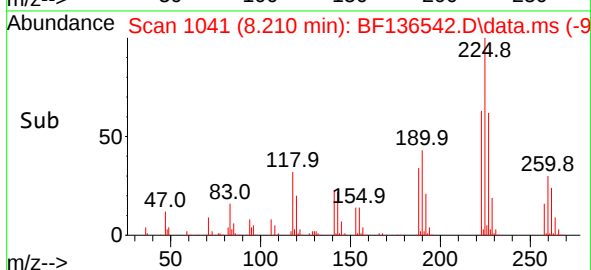
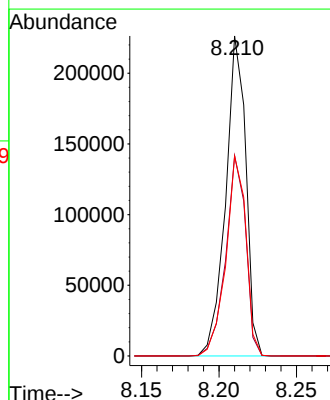
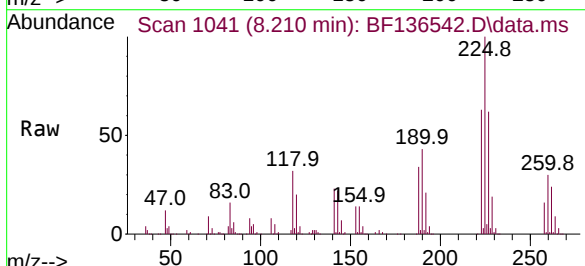
Tgt Ion:225 Resp: 204703

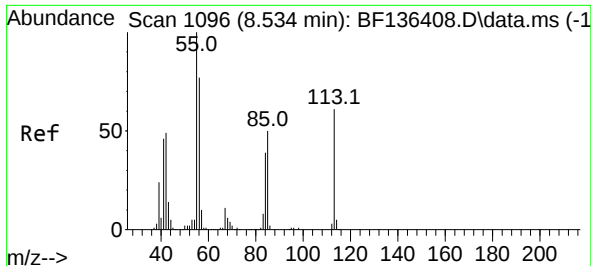
Ion Ratio Lower Upper

225 100

223 62.6 50.8 76.2

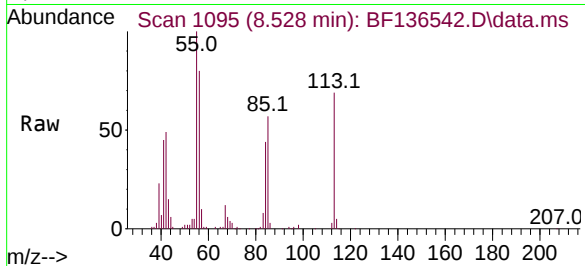
227 62.5 49.8 74.8



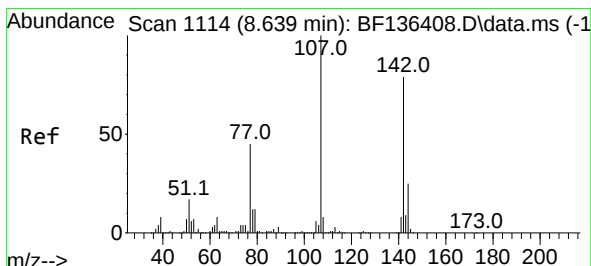
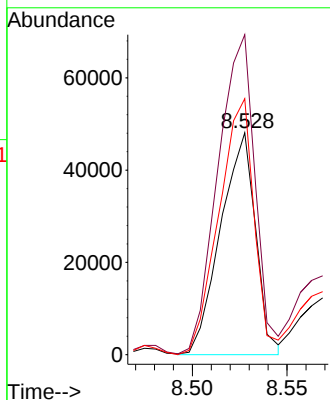
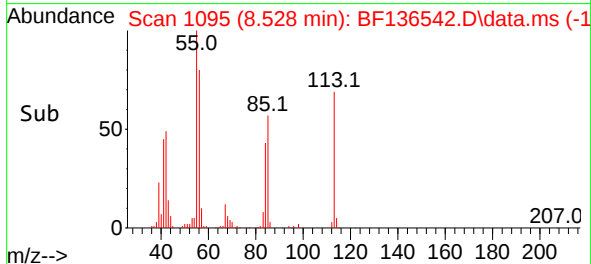


#35  
Caprolactam  
Concen: 25.414 ng  
RT: 8.528 min Scan# 1095  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

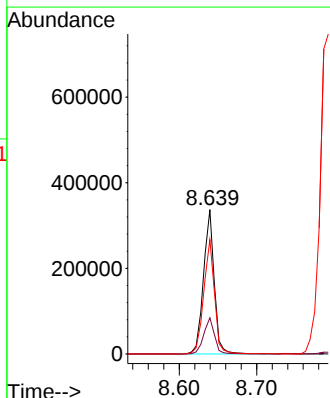
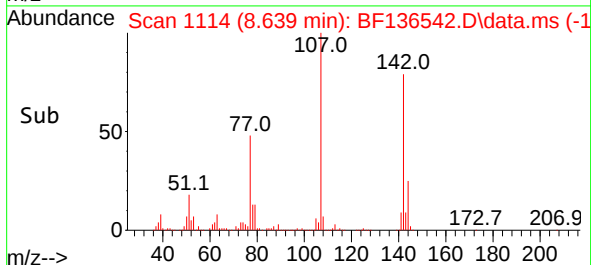
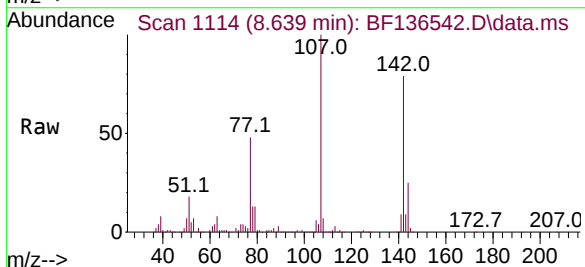


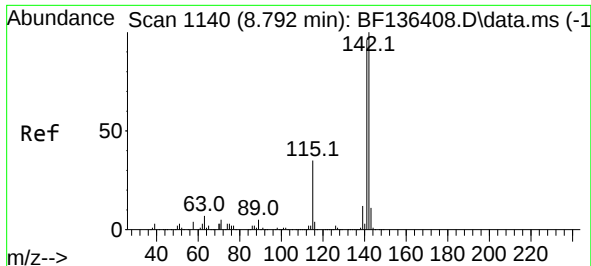
Tgt Ion:113 Resp: 61684  
Ion Ratio Lower Upper  
113 100  
55 144.2 143.7 183.7  
56 115.3 105.2 145.2



#36  
4-Chloro-3-methylphenol  
Concen: 38.774 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:107 Resp: 324487  
Ion Ratio Lower Upper  
107 100  
144 25.1 20.1 30.1  
142 79.3 63.1 94.7

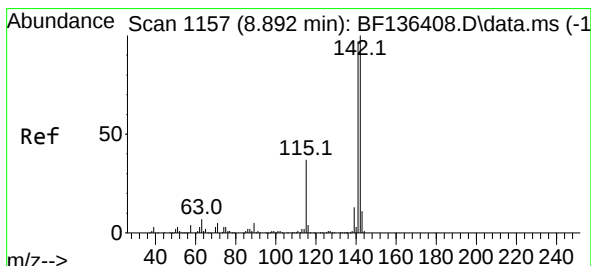
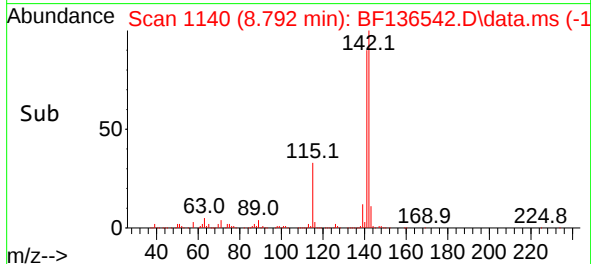
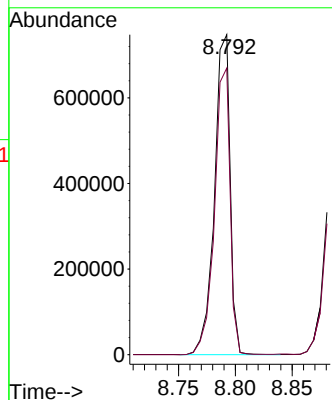
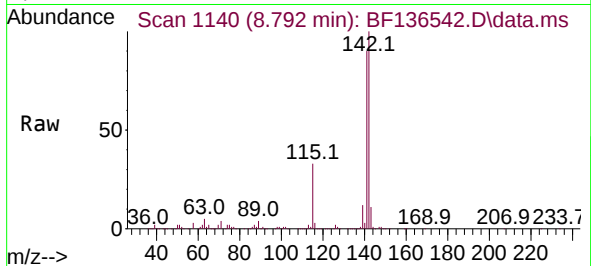




#37  
2-Methylnaphthalene  
Concen: 38.615 ng  
RT: 8.792 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

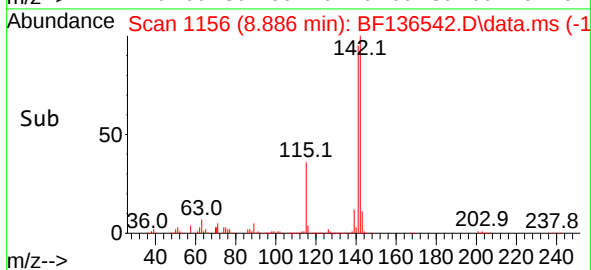
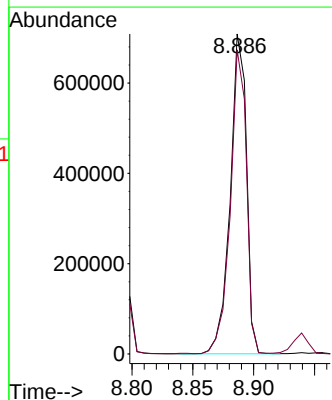
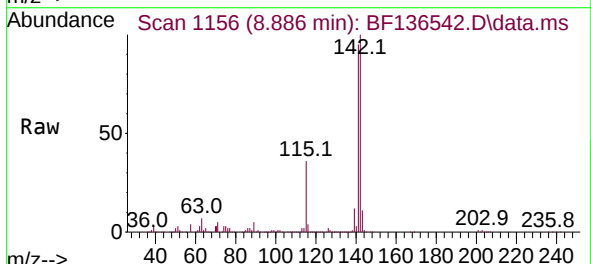
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

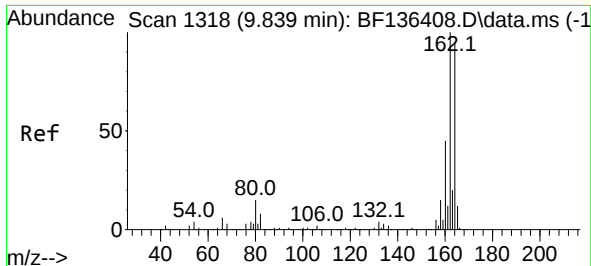
Tgt Ion:142 Resp: 717133  
Ion Ratio Lower Upper  
142 100  
141 89.5 76.4 114.6



#38  
1-Methylnaphthalene  
Concen: 36.261 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:142 Resp: 660811  
Ion Ratio Lower Upper  
142 100  
141 95.1 77.7 116.5

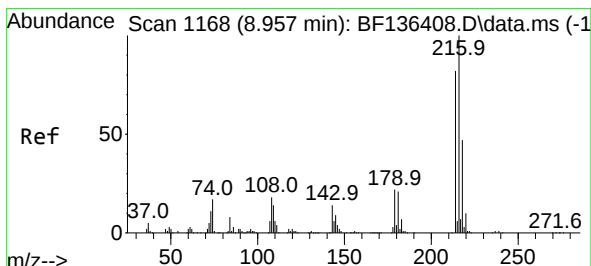
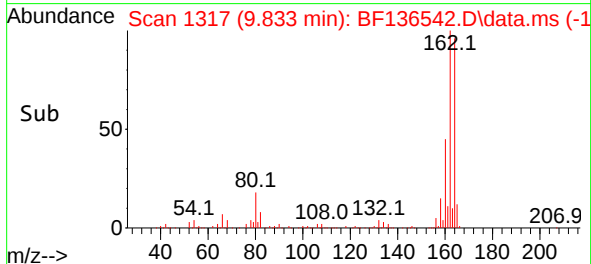
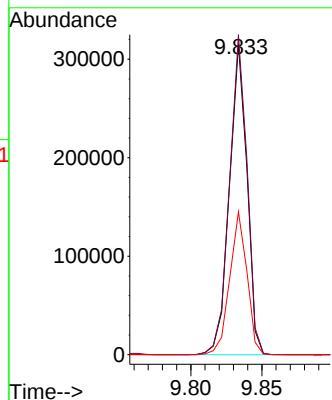
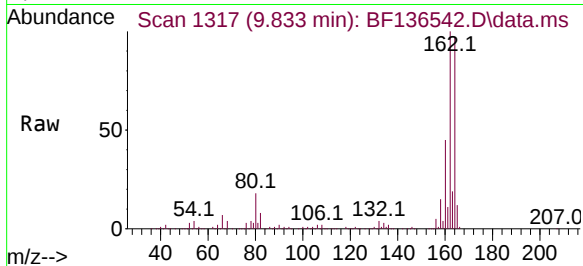




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.833 min Scan# 1167  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

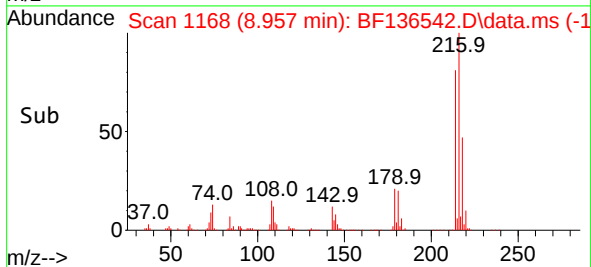
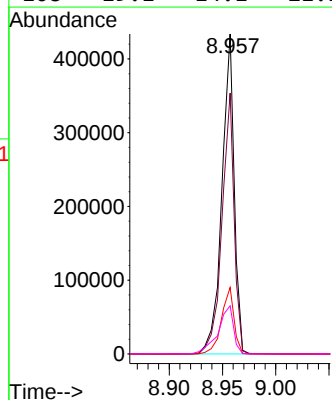
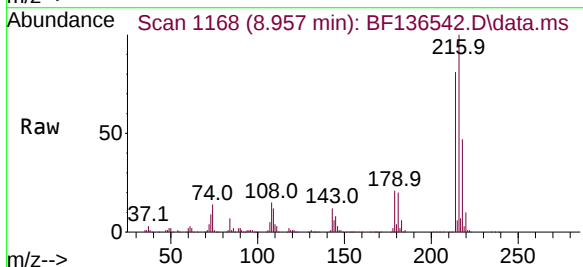
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion:164 Resp: 271155  
Ion Ratio Lower Upper  
164 100  
162 103.1 84.4 126.6  
160 46.0 37.6 56.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.050 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:216 Resp: 346295  
Ion Ratio Lower Upper  
216 100  
214 80.7 64.1 96.1  
179 21.1 17.0 25.6  
108 19.1 14.1 21.1

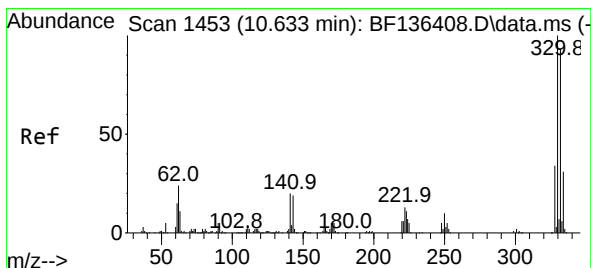
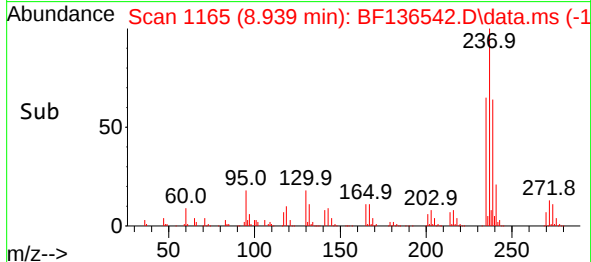
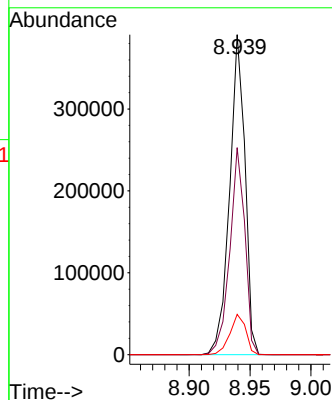
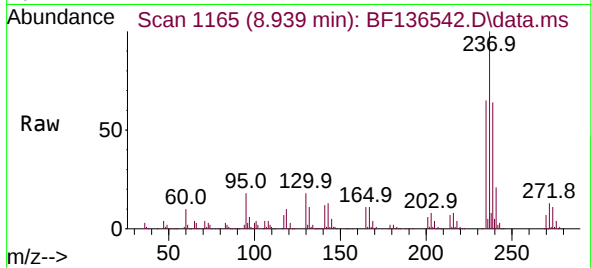




#41  
Hexachlorocyclopentadiene  
Concen: 109.990 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

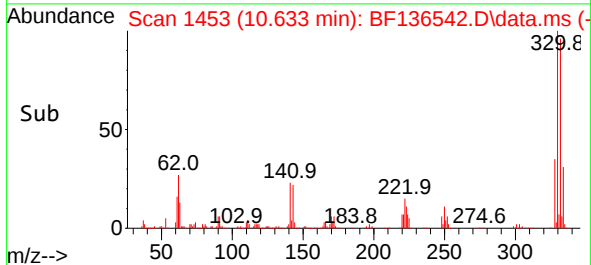
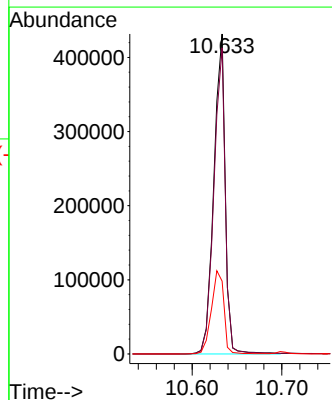
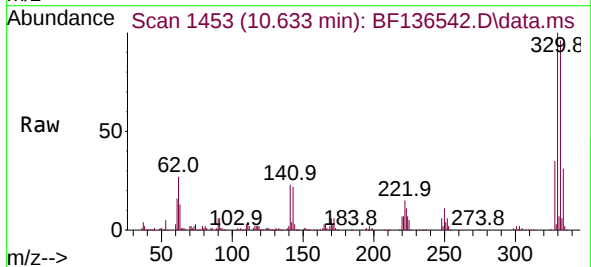
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

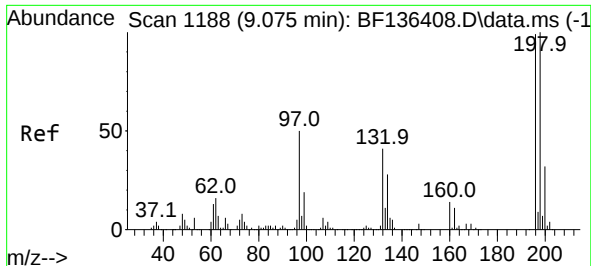
Tgt Ion:237 Resp: 343754  
Ion Ratio Lower Upper  
237 100  
235 64.7 44.1 84.1  
272 12.6 0.0 33.3



#42  
2,4,6-Tribromophenol  
Concen: 114.145 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:330 Resp: 381629  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.4 114.6  
141 28.5 23.4 35.2

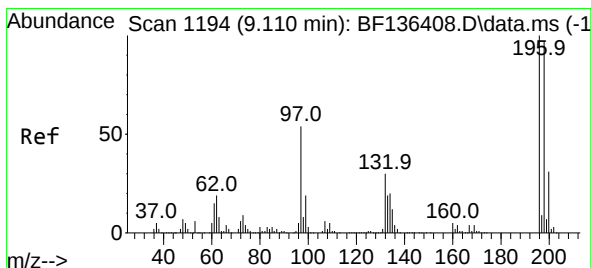
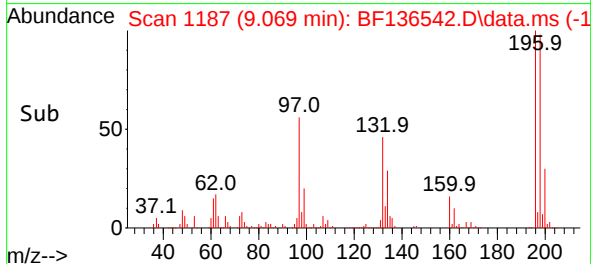
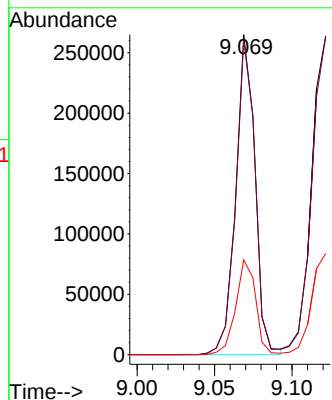
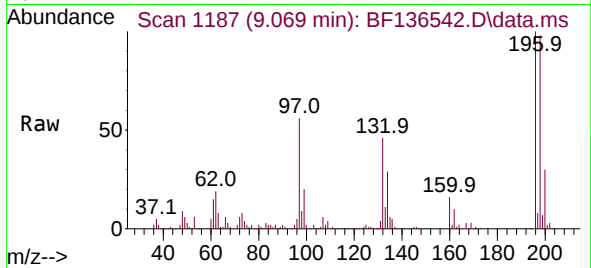




#43  
2,4,6-Trichlorophenol  
Concen: 41.513 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

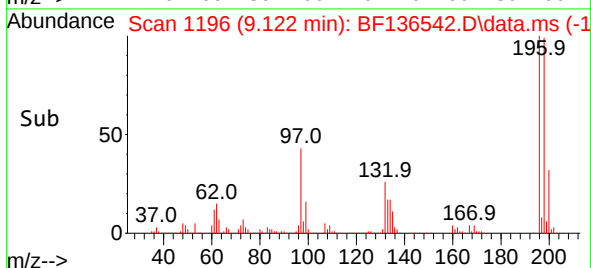
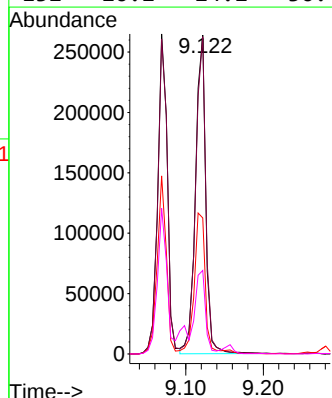
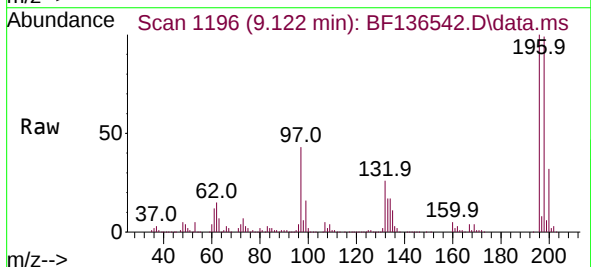
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

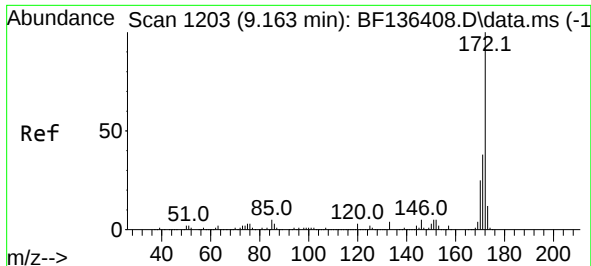
Tgt Ion:196 Resp: 228029  
Ion Ratio Lower Upper  
196 100  
198 98.5 80.4 120.6  
200 29.6 25.9 38.9



#44  
2,4,5-Trichlorophenol  
Concen: 39.545 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.012 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:196 Resp: 242439  
Ion Ratio Lower Upper  
196 100  
198 99.5 78.1 117.1  
97 42.6 43.4 65.2#  
132 26.2 24.2 36.4

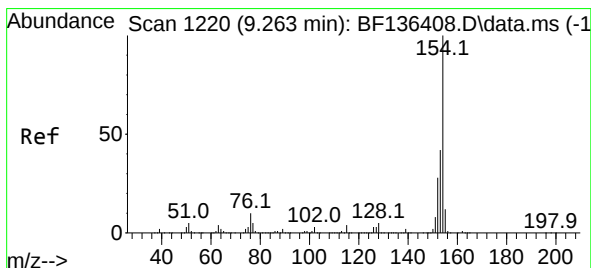
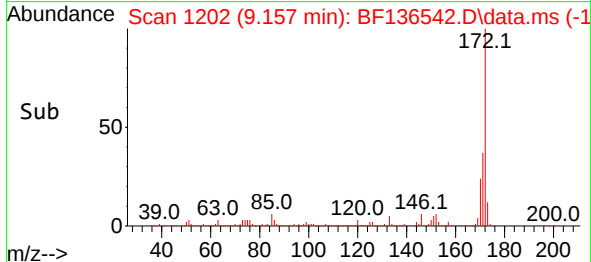
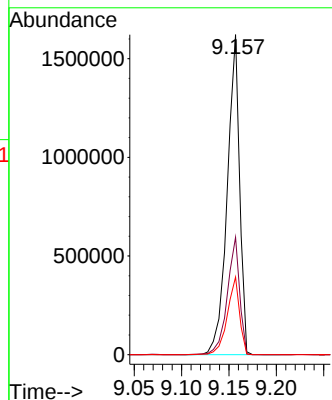
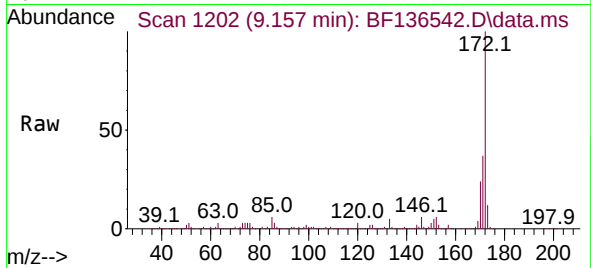




#45  
2-Fluorobiphenyl  
Concen: 74.489 ng  
RT: 9.157 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

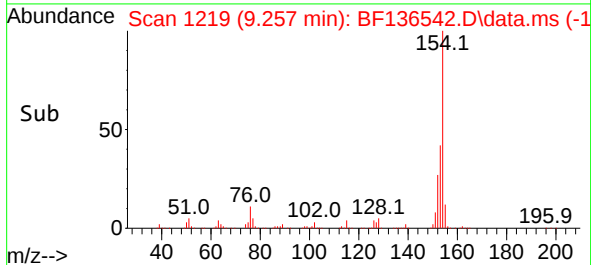
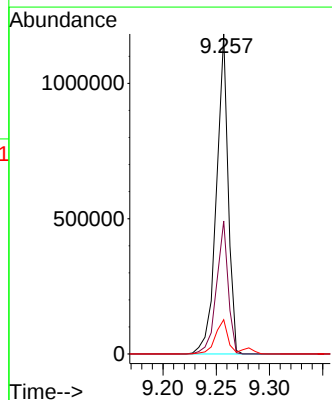
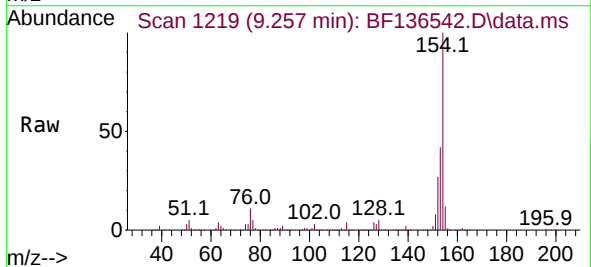
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion:172 Resp: 1480256  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.5 45.7  
170 24.2 19.9 29.9



#46  
1,1'-Biphenyl  
Concen: 39.312 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:154 Resp: 907018  
Ion Ratio Lower Upper  
154 100  
153 41.5 22.5 62.5  
76 10.7 0.0 29.9





#47

2-Chloronaphthalene

Concen: 38.080 ng

RT: 9.281 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

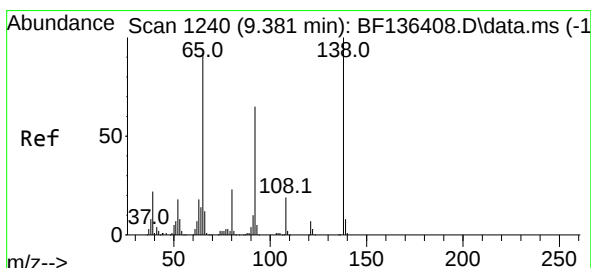
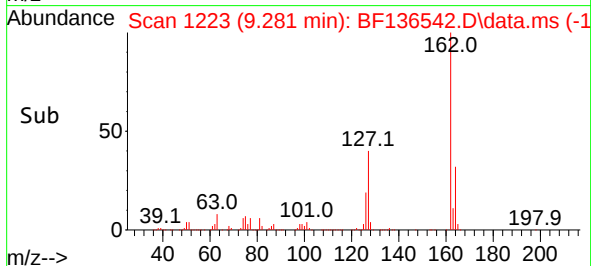
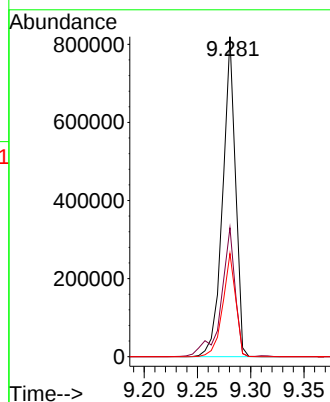
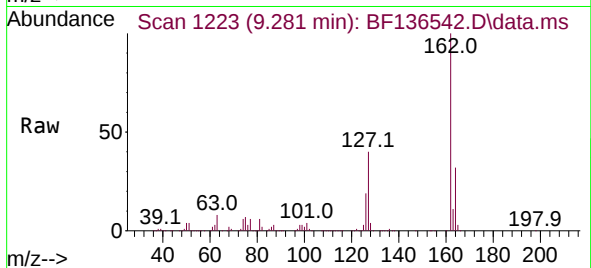
Tgt Ion:162 Resp: 683840

Ion Ratio Lower Upper

162 100

127 40.3 31.1 46.7

164 32.3 24.6 37.0



#48

2-Nitroaniline

Concen: 38.960 ng

RT: 9.381 min Scan# 1240

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

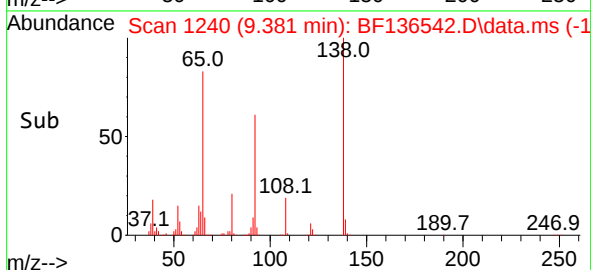
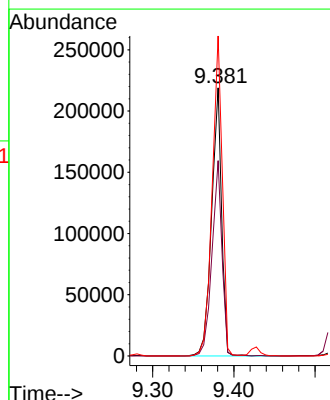
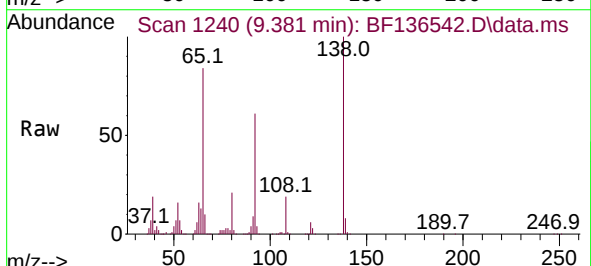
Tgt Ion: 65 Resp: 187646

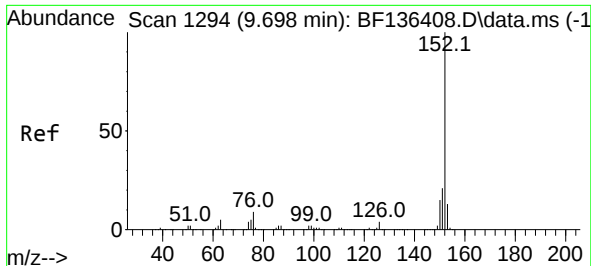
Ion Ratio Lower Upper

65 100

92 72.8 56.1 84.1

138 119.3 86.7 130.1

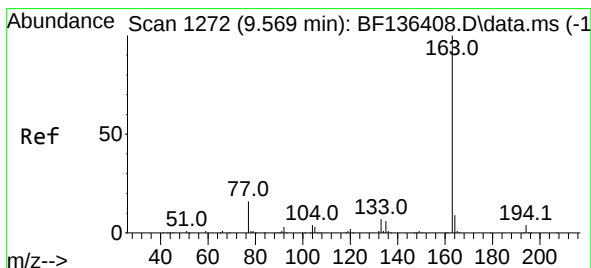
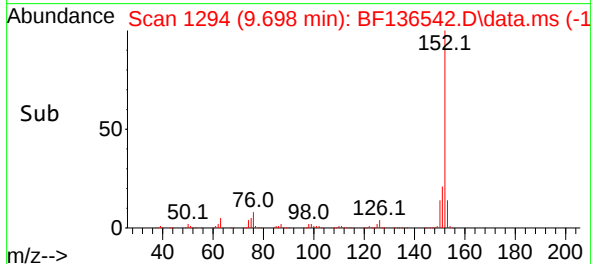
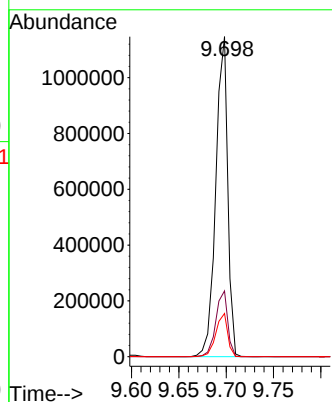
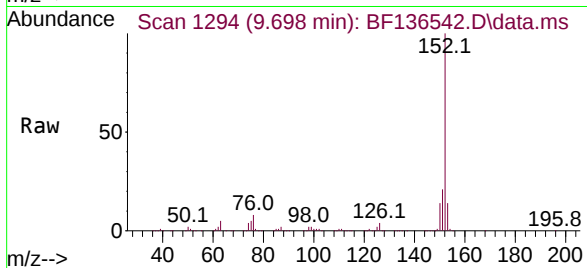




#49  
Acenaphthylene  
Concen: 39.379 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

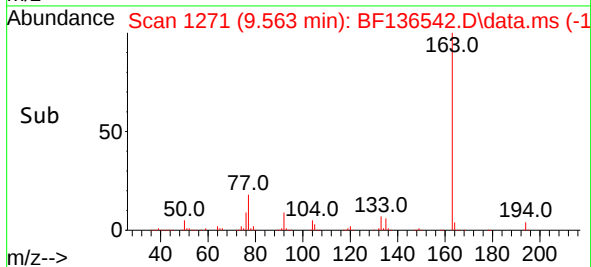
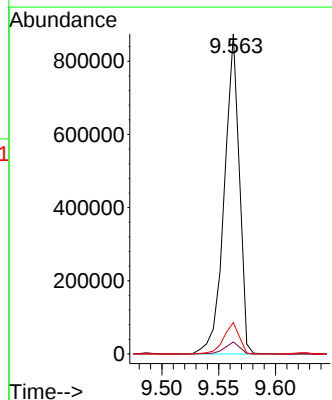
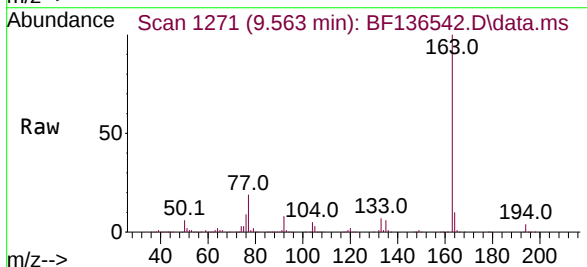
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

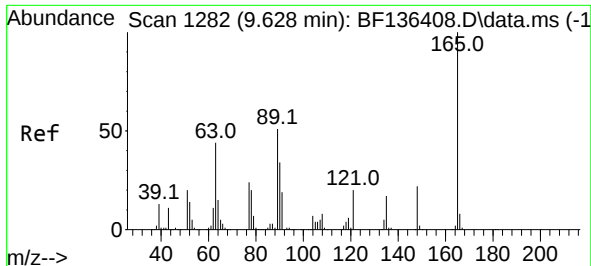
Tgt Ion:152 Resp: 1007374  
Ion Ratio Lower Upper  
152 100  
151 20.5 17.2 25.8  
153 13.5 10.6 15.8



#50  
Dimethylphthalate  
Concen: 40.315 ng  
RT: 9.563 min Scan# 1271  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:163 Resp: 804825  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.0 4.6  
164 9.8 7.4 11.2





#51

2,6-Dinitrotoluene

Concen: 40.062 ng

RT: 9.628 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

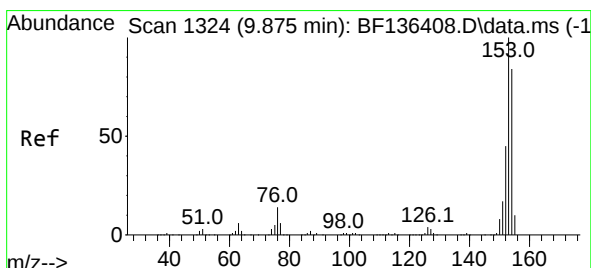
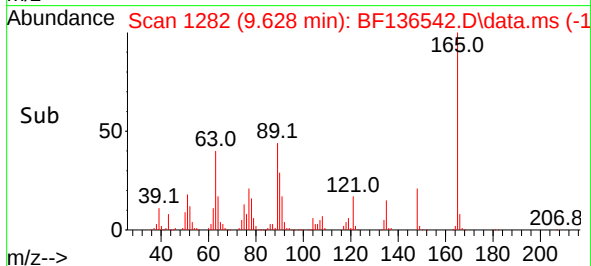
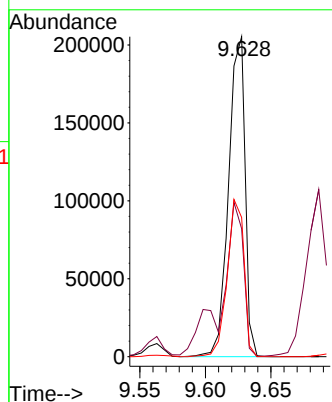
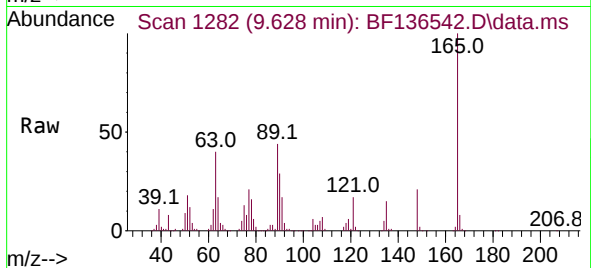
Tgt Ion:165 Resp: 179925

Ion Ratio Lower Upper

165 100

63 40.0 40.4 60.6#

89 43.5 40.6 60.8



#52

Acenaphthene

Concen: 38.674 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

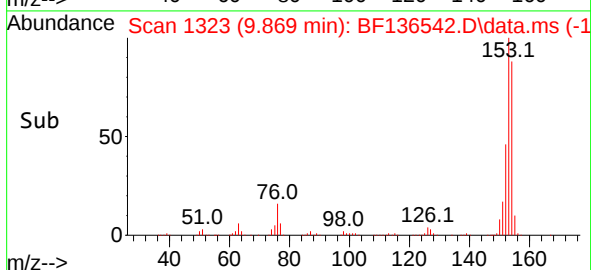
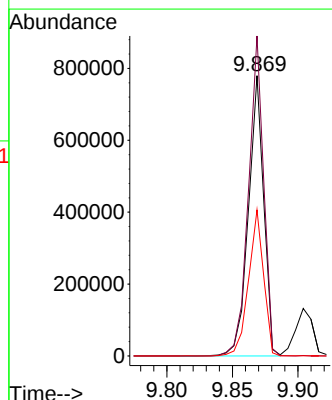
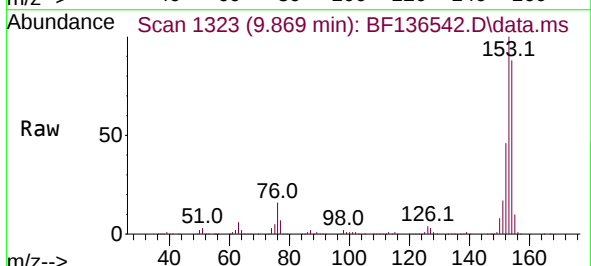
Tgt Ion:154 Resp: 633973

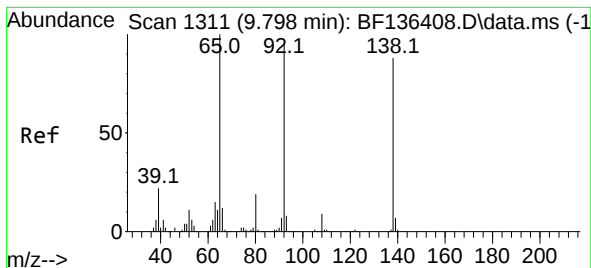
Ion Ratio Lower Upper

154 100

153 114.2 95.3 142.9

152 52.1 43.2 64.8





#53

3-Nitroaniline

Concen: 31.503 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

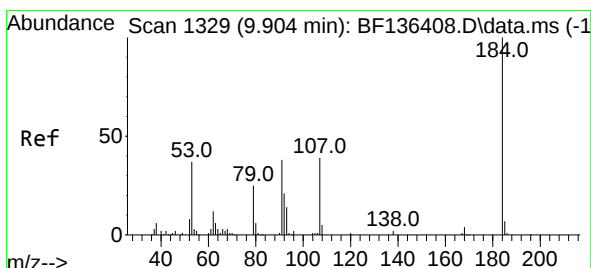
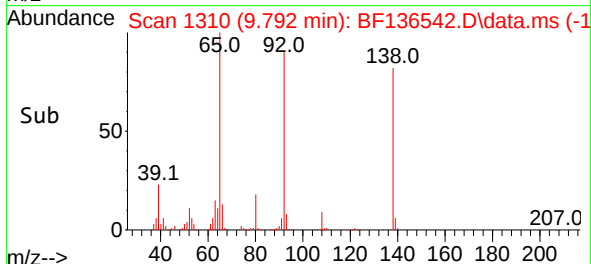
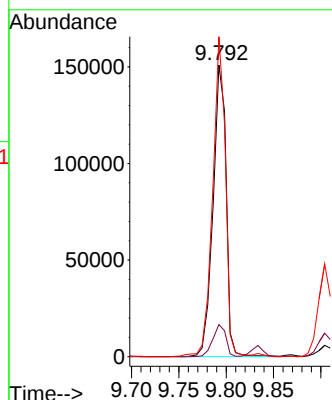
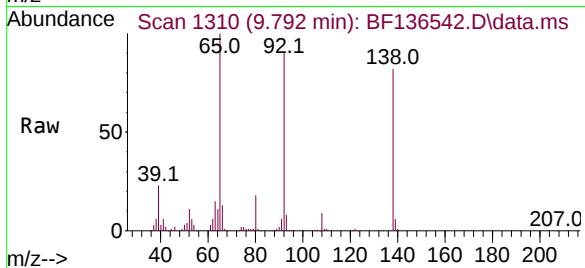
Tgt Ion:138 Resp: 144481

Ion Ratio Lower Upper

138 100

108 11.0 8.5 12.7

92 109.7 86.1 129.1



#54

2,4-Dinitrophenol

Concen: 85.050 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

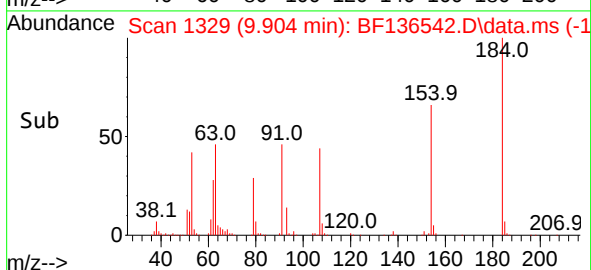
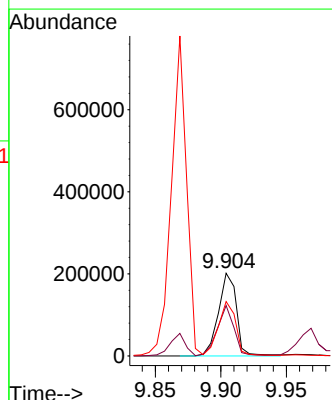
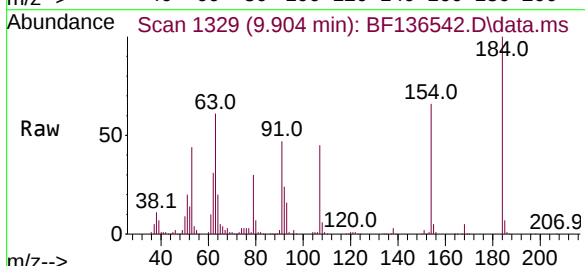
Tgt Ion:184 Resp: 193128

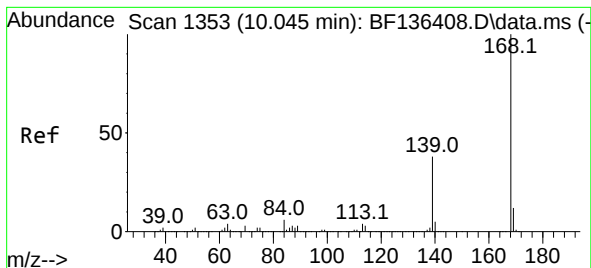
Ion Ratio Lower Upper

184 100

63 60.9 39.1 58.7#

154 65.7 49.9 74.9





#55

Dibenzenofuran

Concen: 39.492 ng

RT: 10.045 min Scan# 1353

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

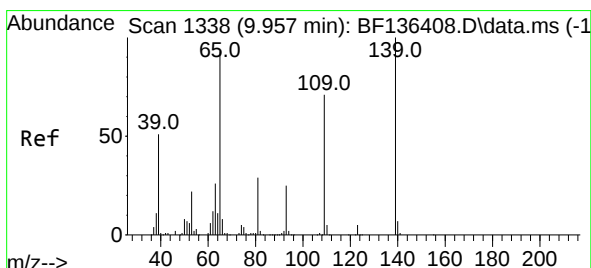
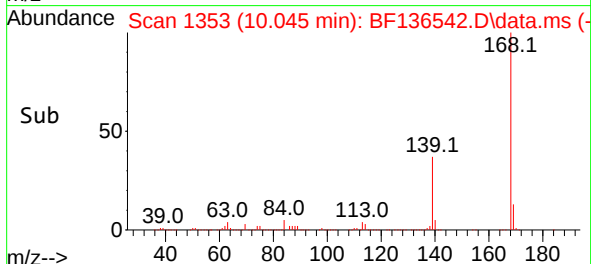
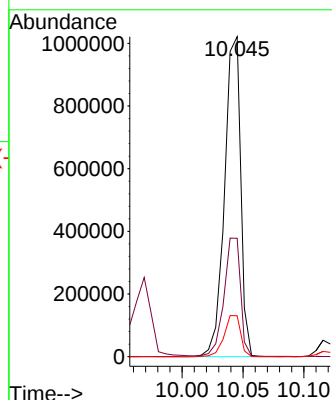
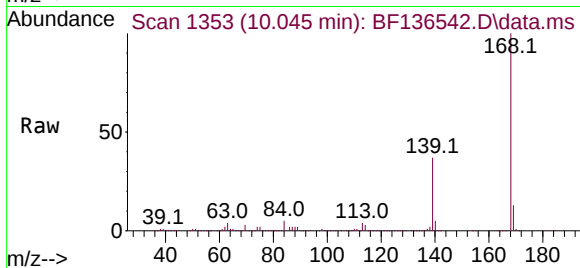
Tgt Ion:168 Resp: 945758

Ion Ratio Lower Upper

168 100

139 37.0 30.4 45.6

169 12.8 9.9 14.9



#56

4-Nitrophenol

Concen: 76.519 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.012 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

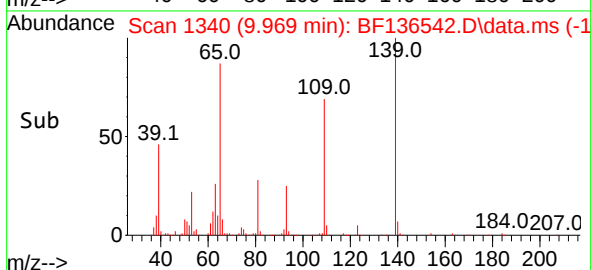
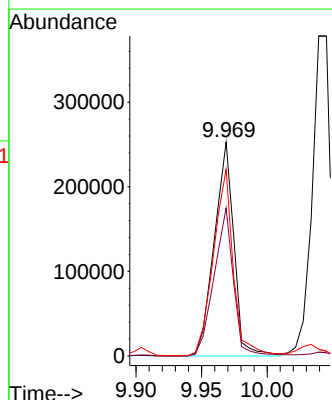
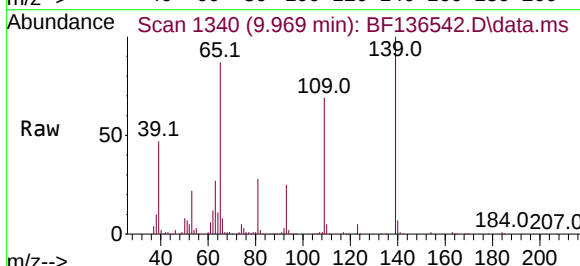
Tgt Ion:139 Resp: 263078

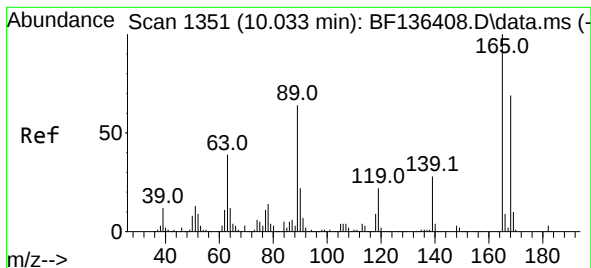
Ion Ratio Lower Upper

139 100

109 69.2 50.6 90.6

65 87.3 73.1 113.1



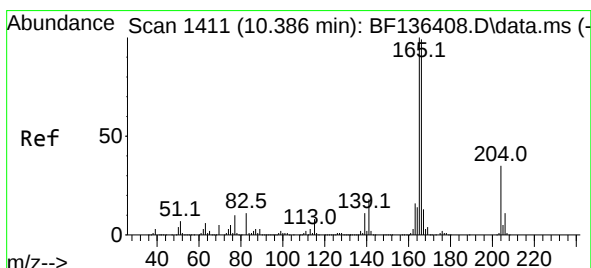
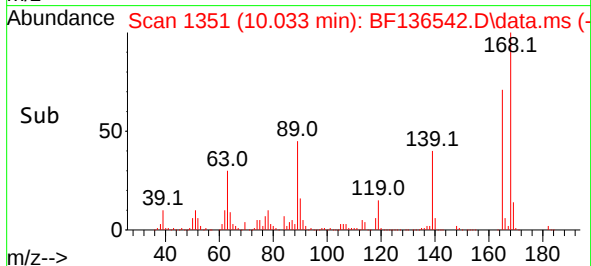
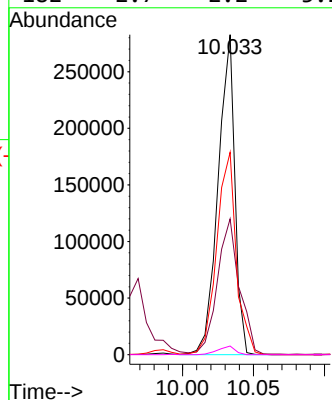
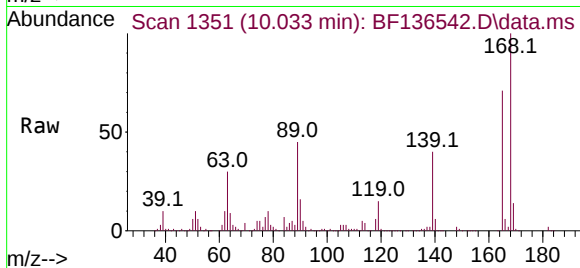


#57  
2,4-Dinitrotoluene  
Concen: 39.035 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion:165 Resp: 231917

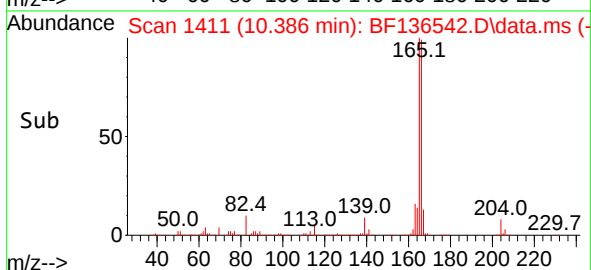
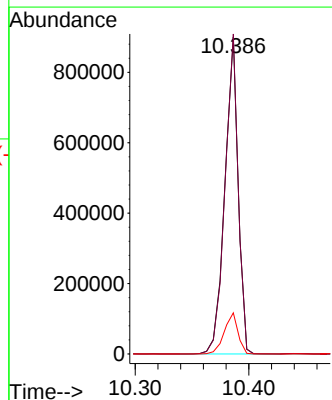
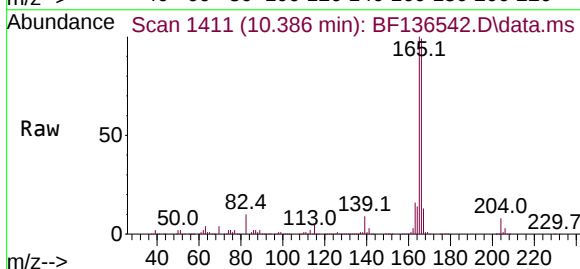
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 42.5  | 31.4  | 47.2  |
| 89  | 63.3  | 51.7  | 77.5  |
| 182 | 2.7   | 2.2   | 3.2   |

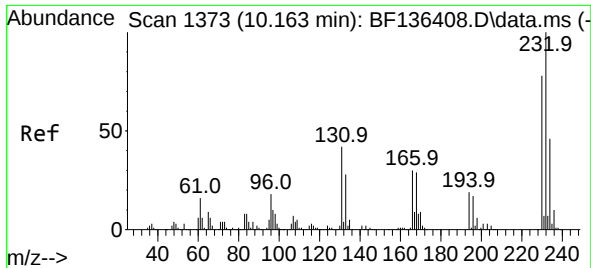


#58  
Fluorene  
Concen: 38.224 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:166 Resp: 734805

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 166 | 100   |       |       |
| 165 | 100.9 | 80.5  | 120.7 |
| 167 | 13.0  | 10.5  | 15.7  |

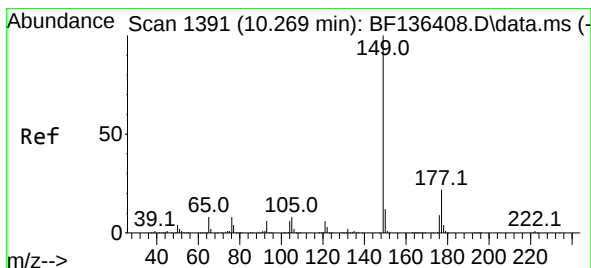
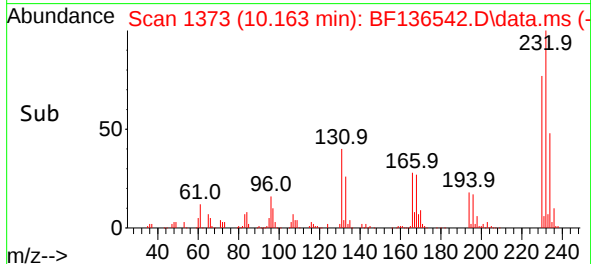
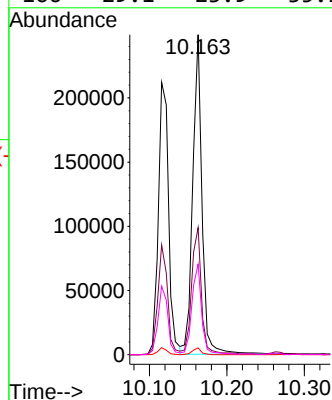
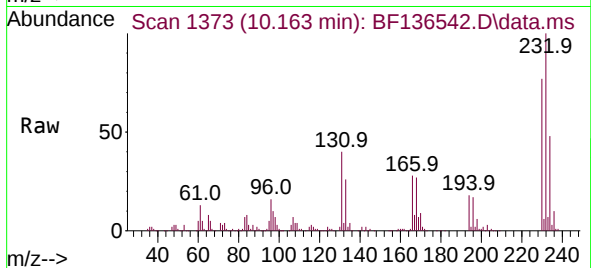




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.220 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

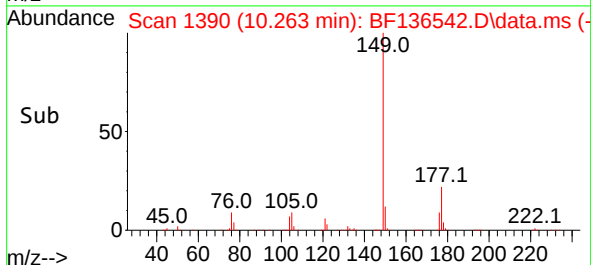
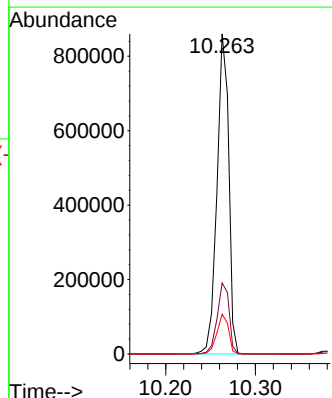
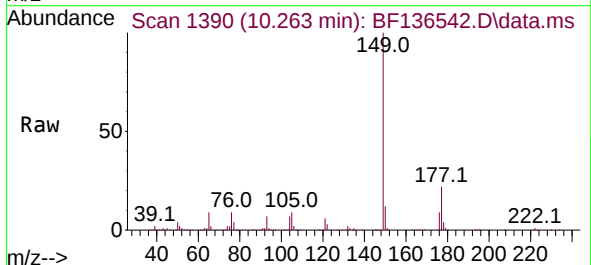
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

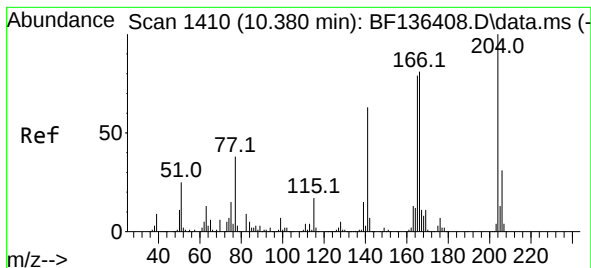
Tgt Ion:232 Resp: 207329  
Ion Ratio Lower Upper  
232 100  
131 41.6 34.3 51.5  
130 2.0 1.6 2.4  
166 29.1 23.9 35.9



#60  
Diethylphthalate  
Concen: 39.798 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:149 Resp: 781255  
Ion Ratio Lower Upper  
149 100  
177 22.2 17.8 26.8  
150 12.5 9.4 14.0

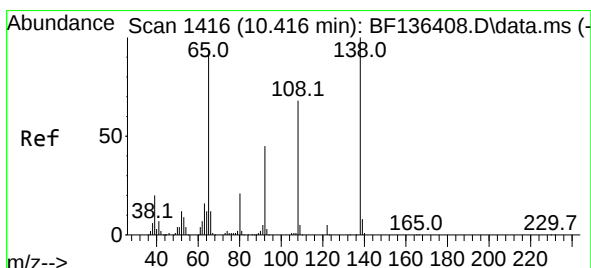
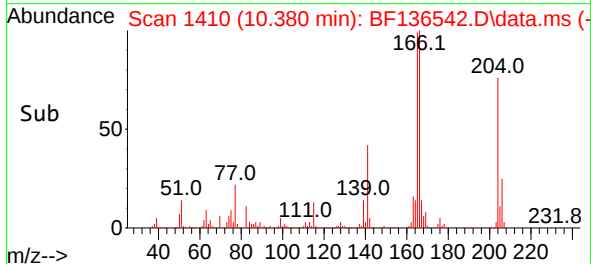
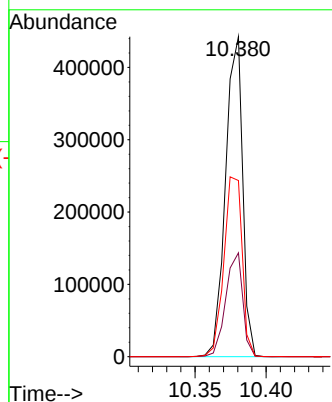
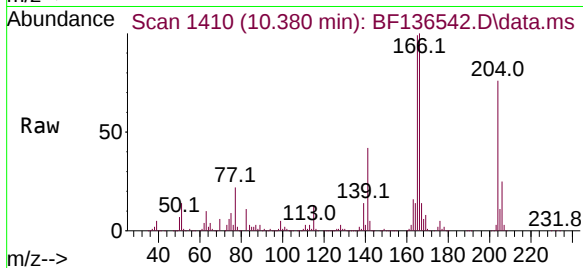




#61  
4-Chlorophenyl-phenylether  
Concen: 39.447 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

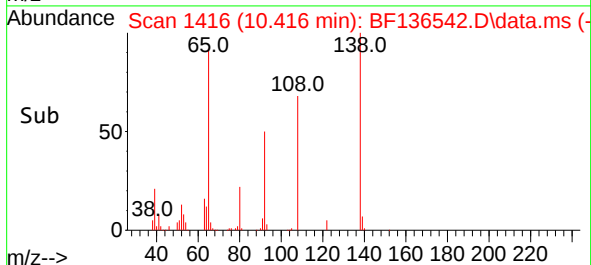
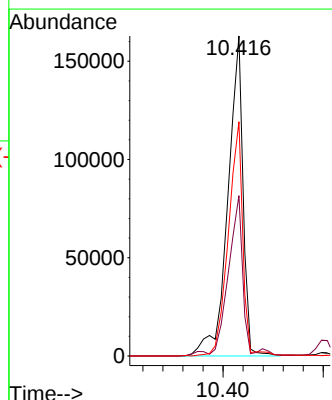
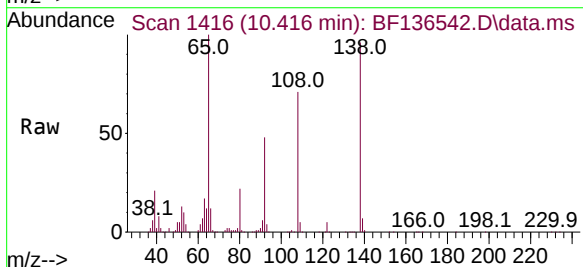
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

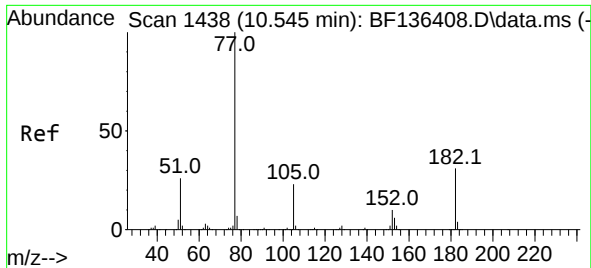
Tgt Ion:204 Resp: 369676  
Ion Ratio Lower Upper  
204 100  
206 32.5 24.6 36.8  
141 55.1 50.3 75.5



#62  
4-Nitroaniline  
Concen: 37.514 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:138 Resp: 170839  
Ion Ratio Lower Upper  
138 100  
92 50.1 25.0 65.0  
108 73.2 47.9 87.9

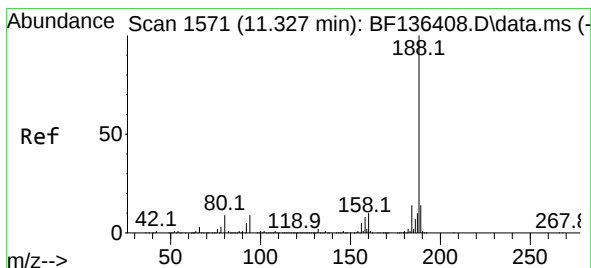
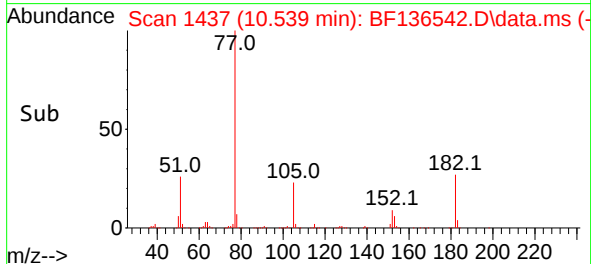
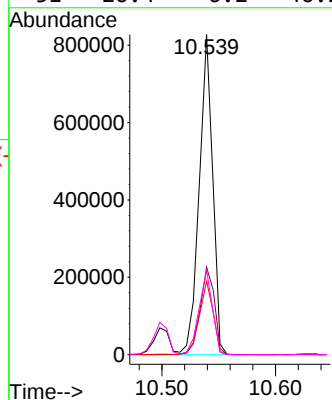
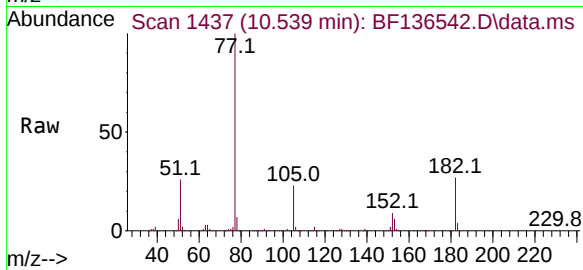




#63  
Azobenzene  
Concen: 38.073 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

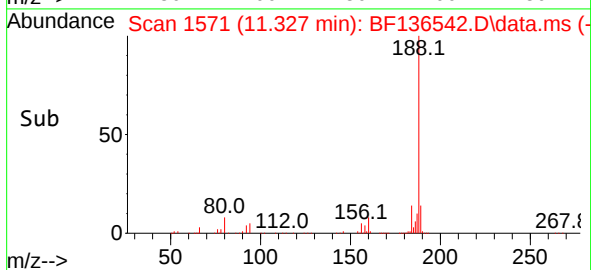
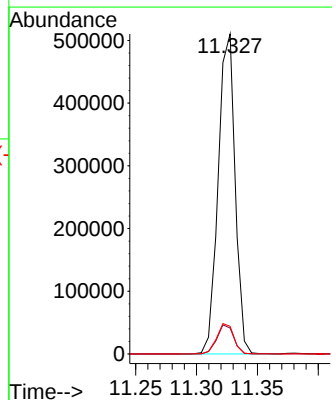
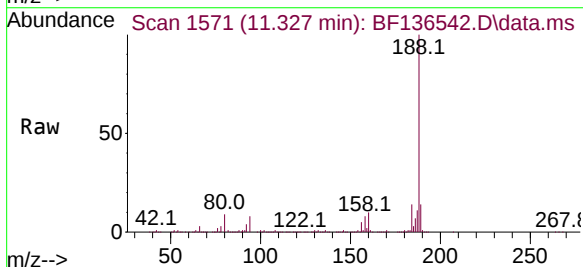
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

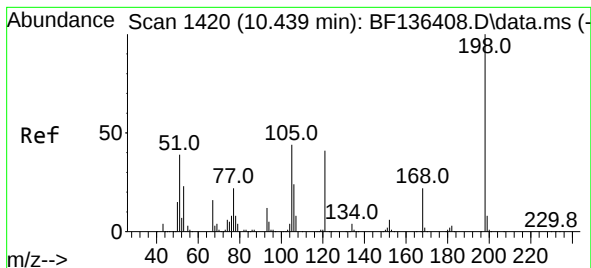
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 680292 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 27.4  | 10.8  | 50.8   |
| 105      | 23.0  | 2.6   | 42.6   |
| 51       | 26.4  | 6.2   | 46.2   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.327 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 494415 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.1   | 7.2   | 10.8   |
| 80       | 8.7   | 7.2   | 10.8   |

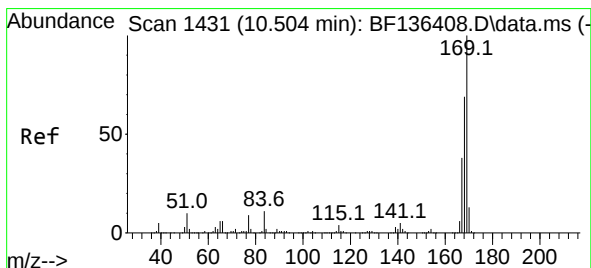
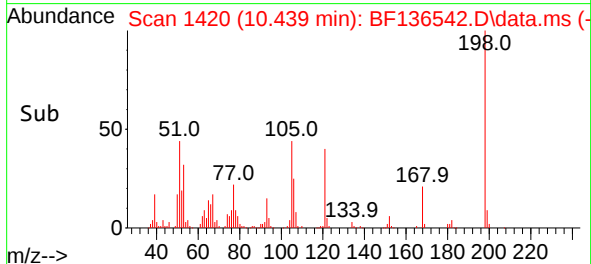
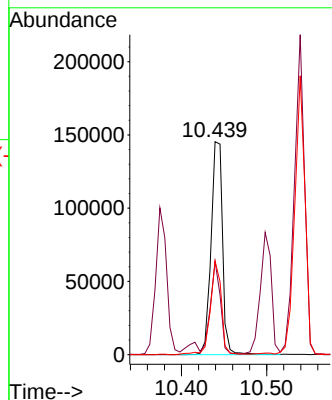
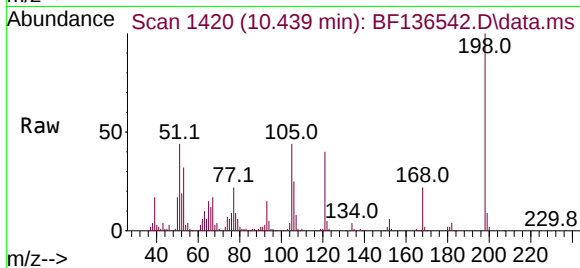




#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.652 ng  
RT: 10.439 min Scan# 1420  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

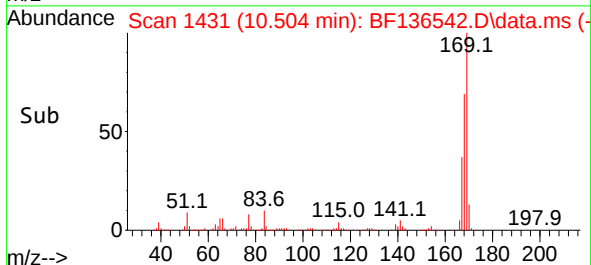
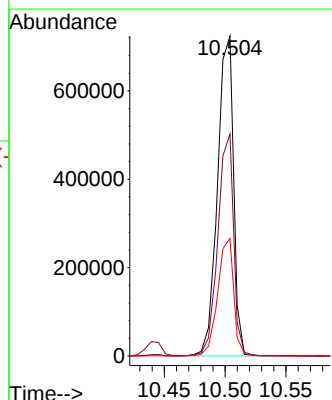
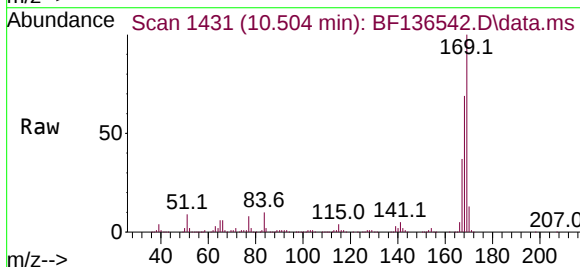
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

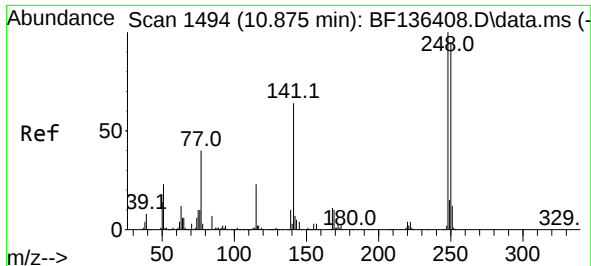
Tgt Ion:198 Resp: 136724  
Ion Ratio Lower Upper  
198 100  
51 43.8 24.1 64.1  
105 44.0 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 42.032 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:169 Resp: 666835  
Ion Ratio Lower Upper  
169 100  
168 69.3 55.3 82.9  
167 36.7 30.1 45.1

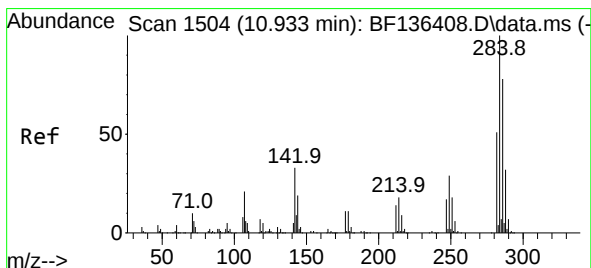
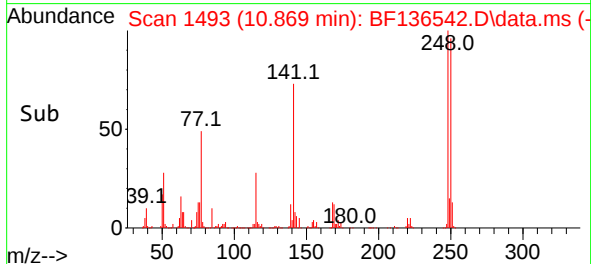
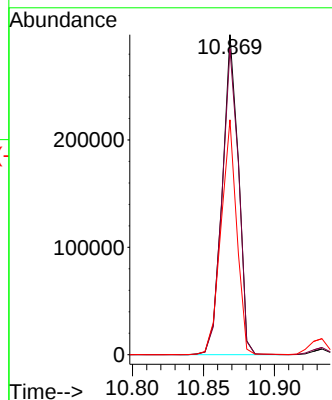
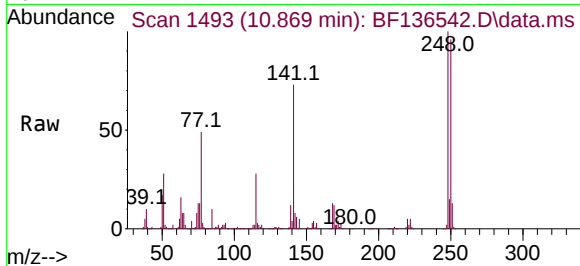




#67  
4-Bromophenyl-phenylether  
Concen: 40.838 ng  
RT: 10.869 min Scan# 1493  
Delta R.T. -0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

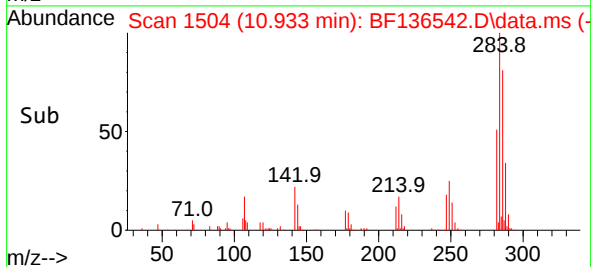
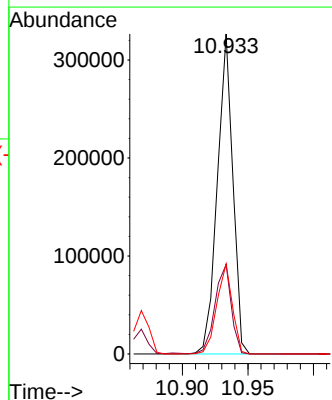
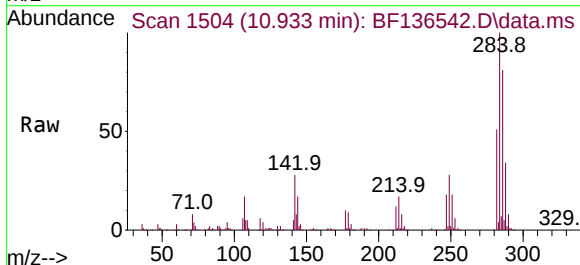
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

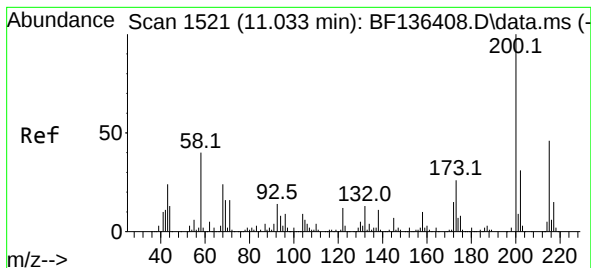
Tgt Ion:248 Resp: 234753  
Ion Ratio Lower Upper  
248 100  
250 95.6 76.2 114.2  
141 73.4 51.0 76.4



#68  
Hexachlorobenzene  
Concen: 40.274 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:284 Resp: 267573  
Ion Ratio Lower Upper  
284 100  
142 27.9 26.5 39.7  
249 28.1 23.4 35.0





#69

Atrazine

Concen: 63.587 ng

RT: 11.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

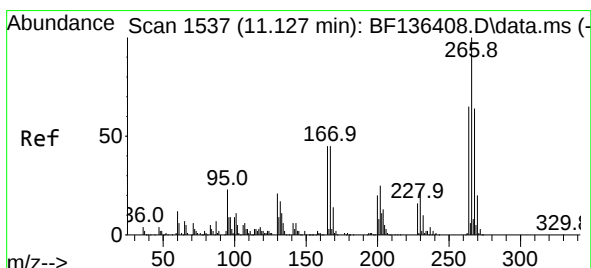
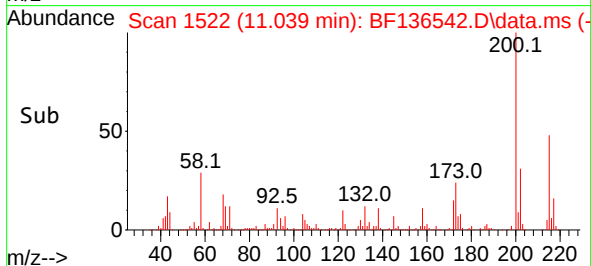
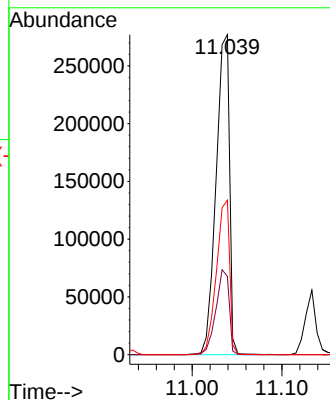
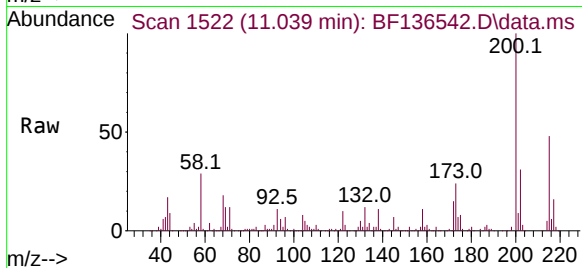
Tgt Ion:200 Resp: 287927

Ion Ratio Lower Upper

200 100

173 24.5 6.0 46.0

215 48.3 25.5 65.5



#70

Pentachlorophenol

Concen: 70.324 ng

RT: 11.133 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

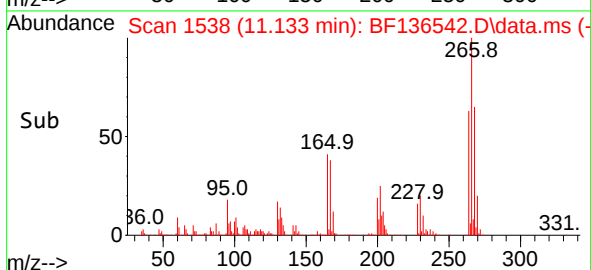
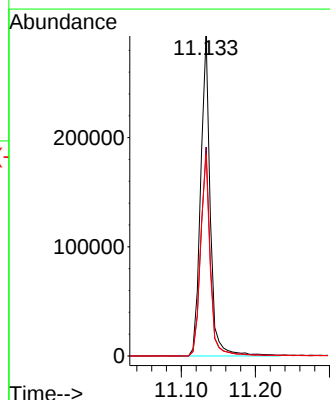
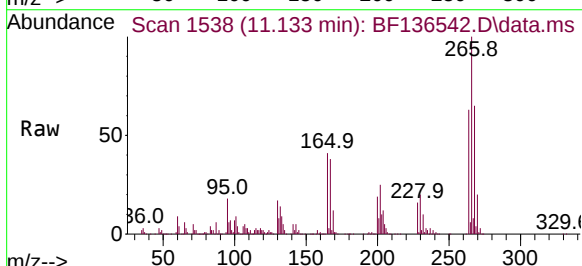
Tgt Ion:266 Resp: 263689

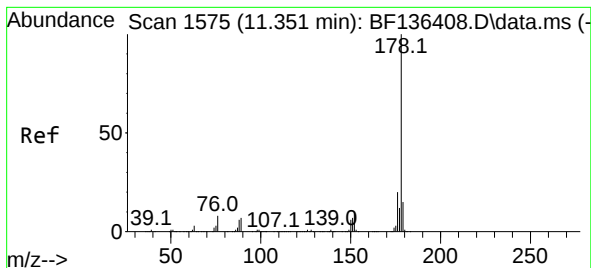
Ion Ratio Lower Upper

266 100

268 65.3 51.0 76.6

264 63.1 52.2 78.4





#71

Phenanthrene

Concen: 40.745 ng

RT: 11.351 min Scan# 1575

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

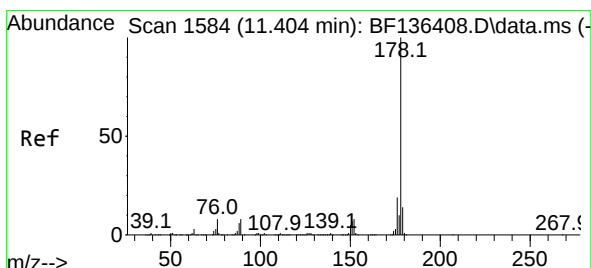
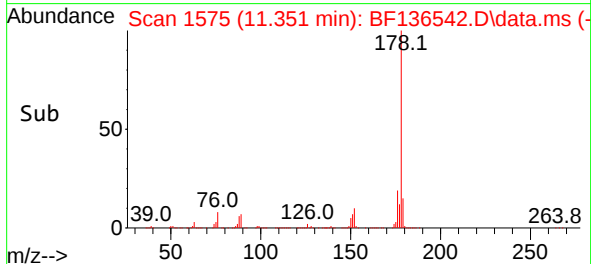
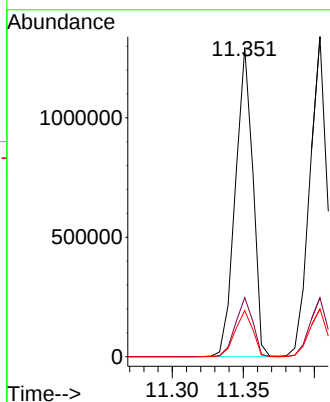
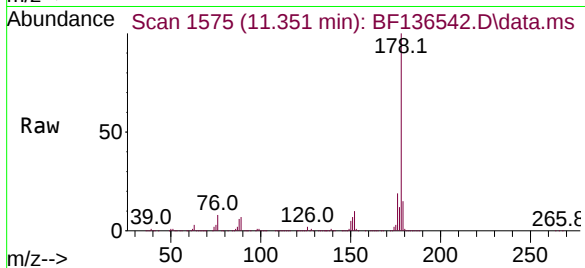
Tgt Ion:178 Resp: 1107245

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

179 14.9 11.8 17.6



#72

Anthracene

Concen: 41.020 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

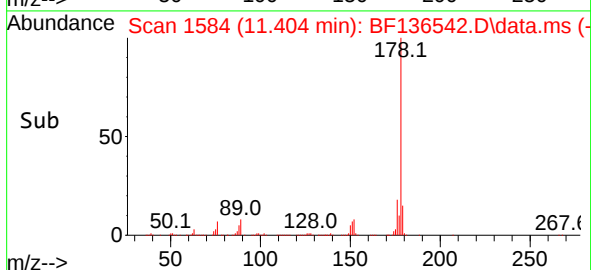
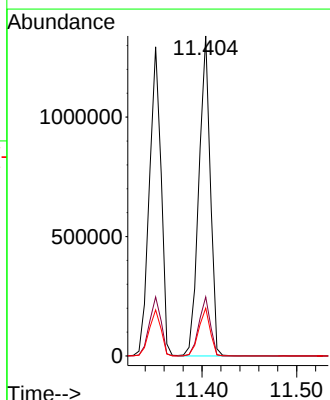
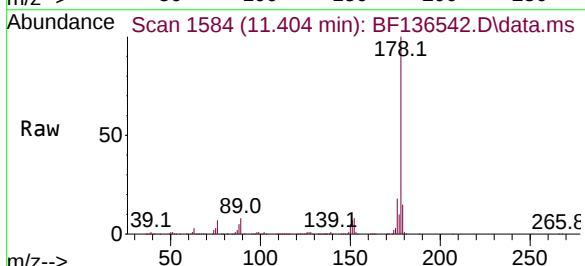
Tgt Ion:178 Resp: 1122760

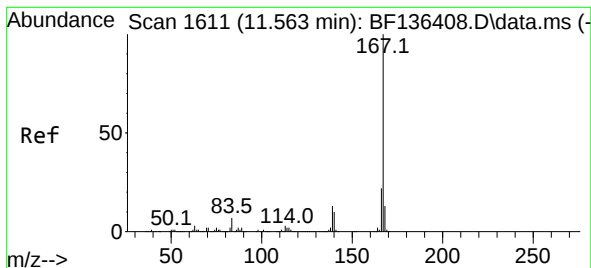
Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

179 15.0 11.4 17.0





#73

Carbazole

Concen: 39.290 ng

RT: 11.563 min Scan# 1611

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

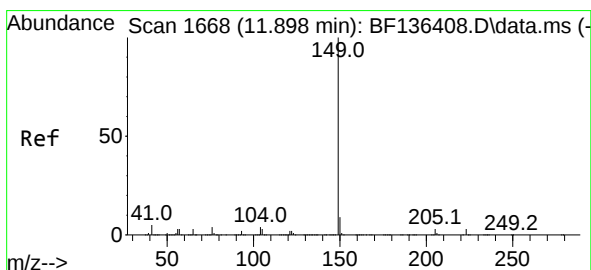
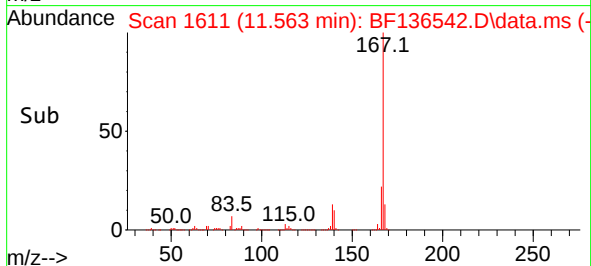
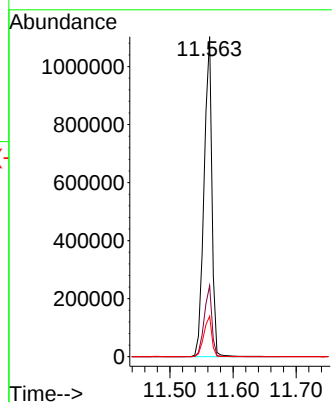
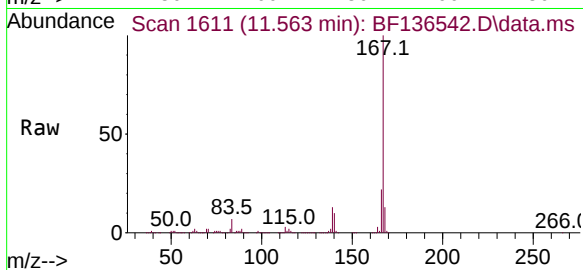
Tgt Ion:167 Resp: 951835

Ion Ratio Lower Upper

167 100

166 22.2 18.0 27.0

139 12.7 10.2 15.4



#74

Di-n-butylphthalate

Concen: 40.567 ng

RT: 11.892 min Scan# 1667

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

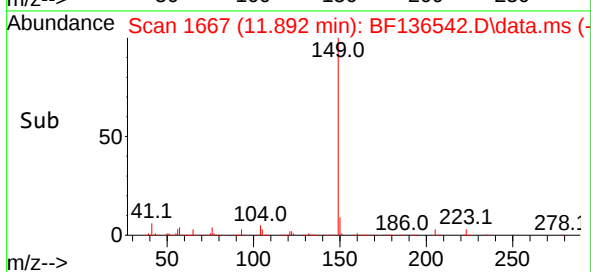
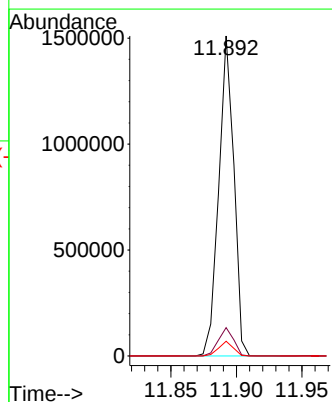
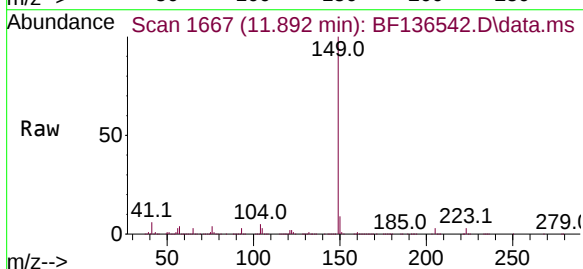
Tgt Ion:149 Resp: 1204765

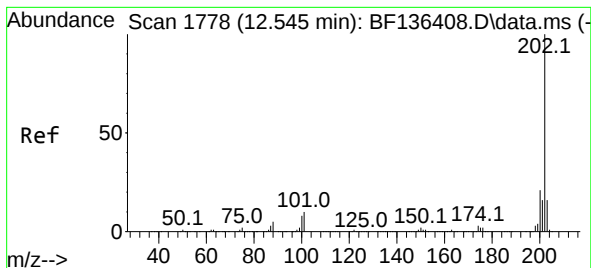
Ion Ratio Lower Upper

149 100

150 8.9 6.9 10.3

104 4.6 3.5 5.3





#75

Fluoranthene

Concen: 36.661 ng

RT: 12.545 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

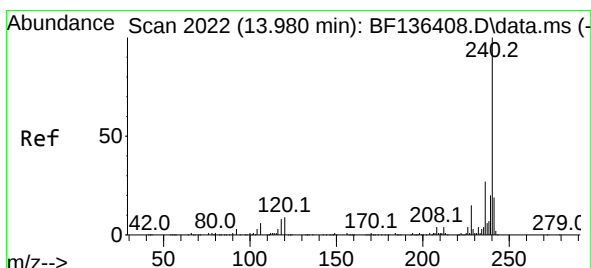
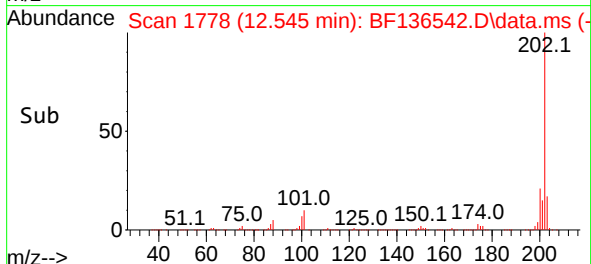
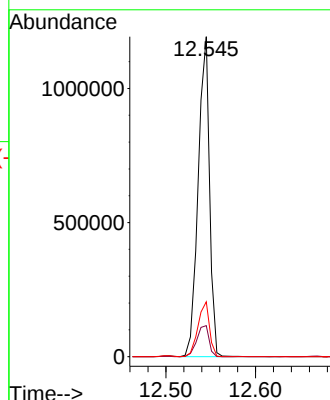
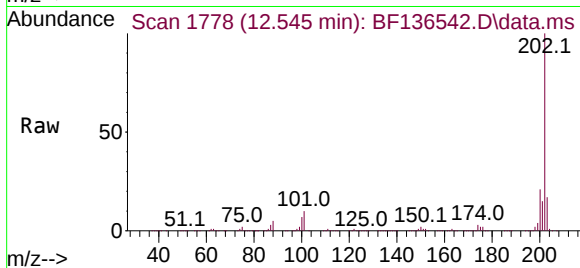
Tgt Ion:202 Resp: 1044029

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.9

203 17.2 0.0 36.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

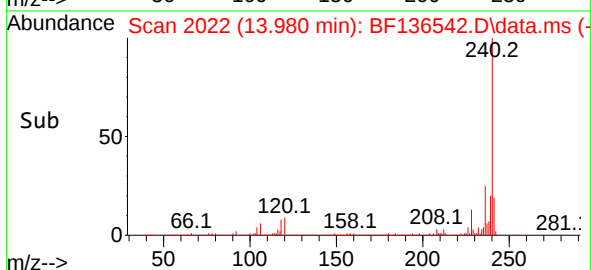
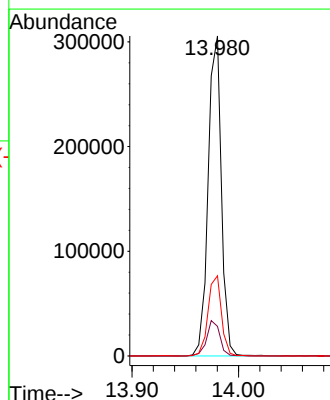
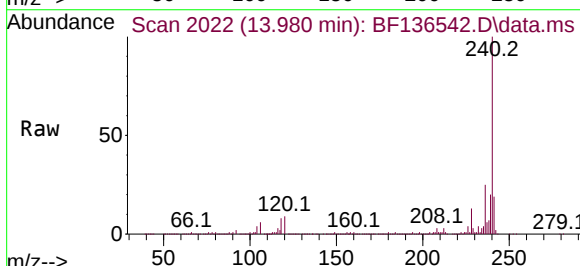
Tgt Ion:240 Resp: 264126

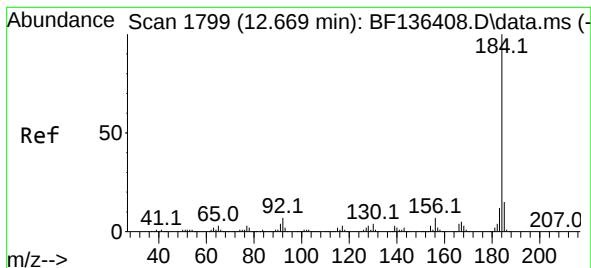
Ion Ratio Lower Upper

240 100

120 9.2 7.3 10.9

236 25.1 21.3 31.9





#77

Benzidine

Concen: 42.118 ng

RT: 12.669 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

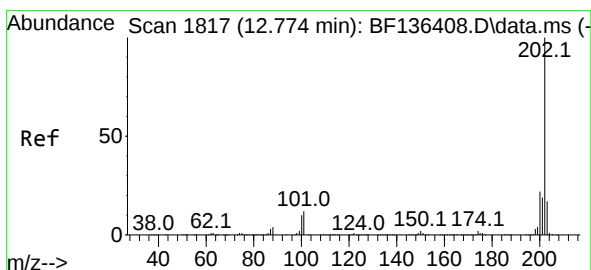
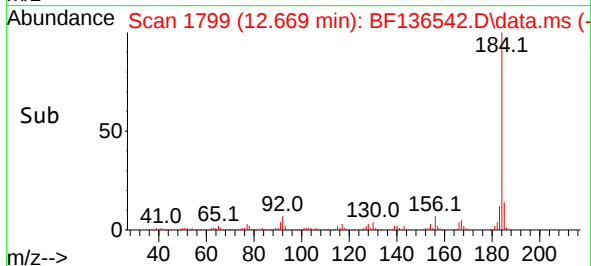
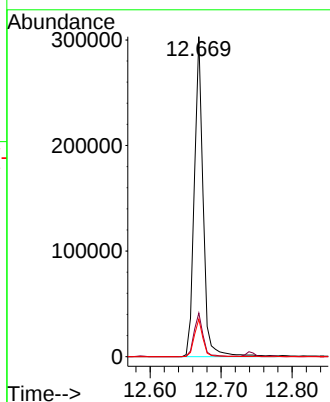
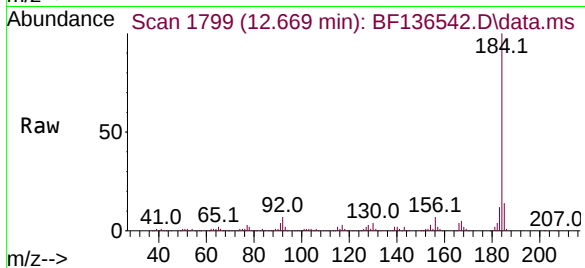
Tgt Ion:184 Resp: 262645

Ion Ratio Lower Upper

184 100

185 13.7 12.0 18.0

183 11.7 9.4 14.0



#78

Pyrene

Concen: 40.120 ng

RT: 12.774 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

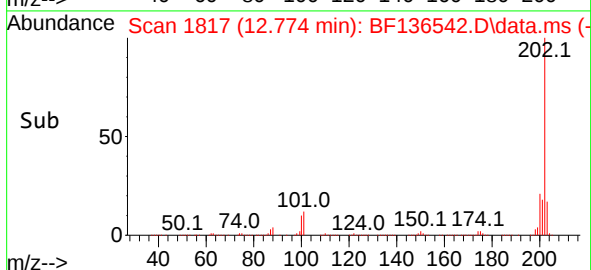
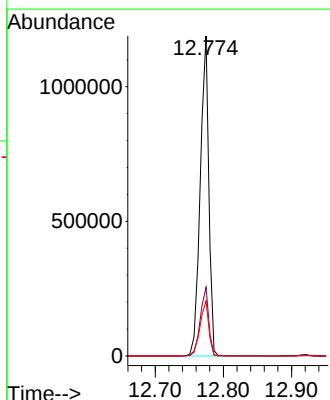
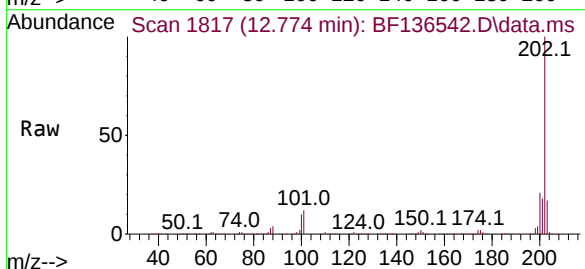
Tgt Ion:202 Resp: 1037815

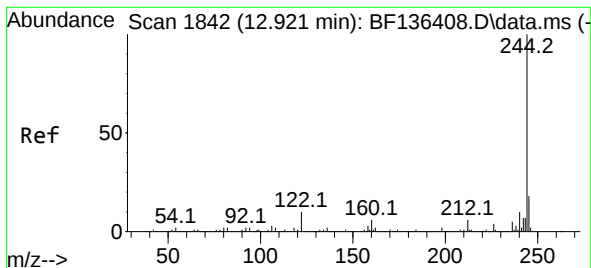
Ion Ratio Lower Upper

202 100

200 21.5 18.0 27.0

203 17.2 13.5 20.3





#79

Terphenyl-d14

Concen: 78.116 ng

RT: 12.922 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

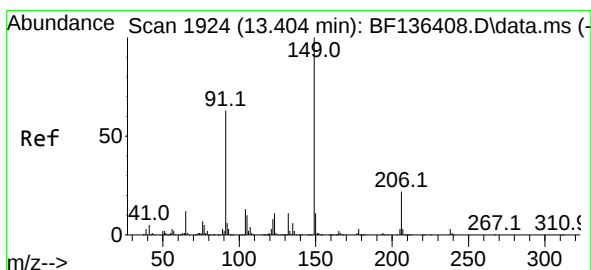
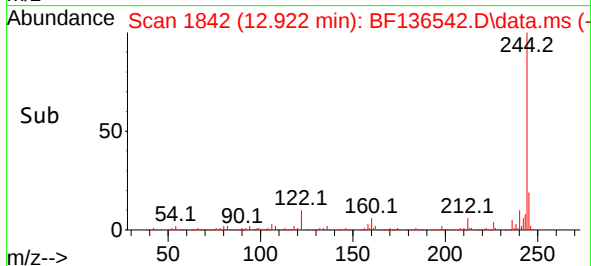
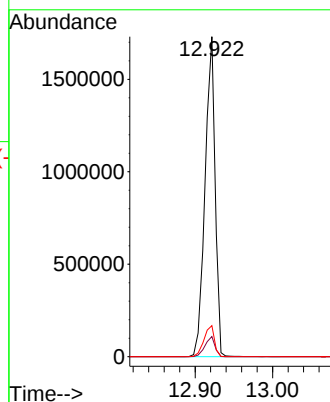
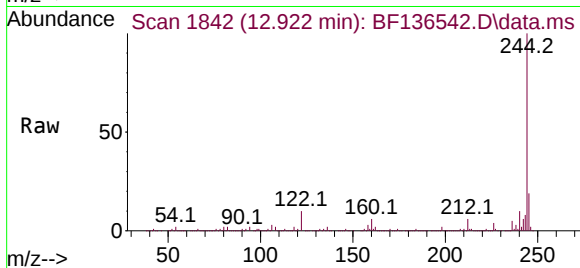
Tgt Ion:244 Resp: 1565384

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 9.7 8.3 12.5



#80

Butylbenzylphthalate

Concen: 42.504 ng

RT: 13.398 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

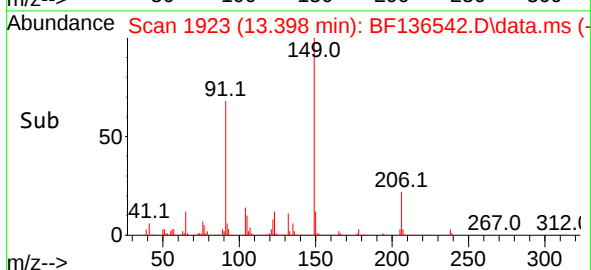
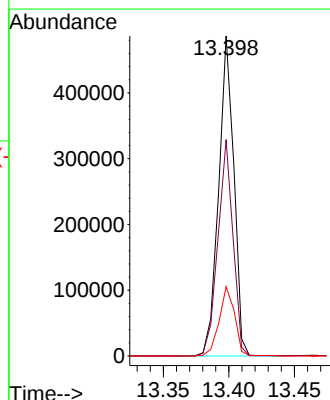
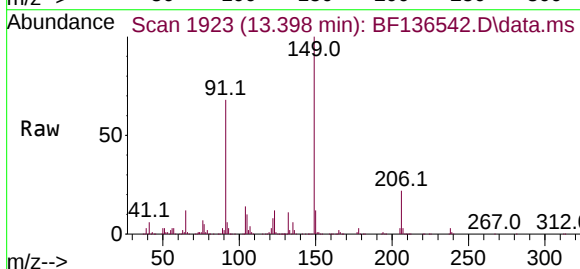
Tgt Ion:149 Resp: 391387

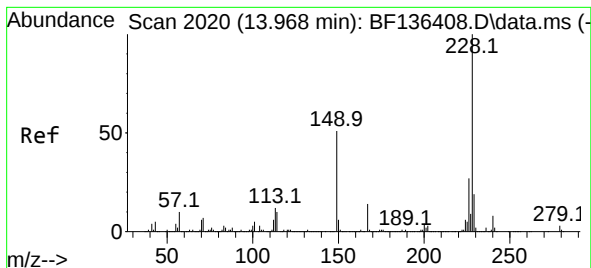
Ion Ratio Lower Upper

149 100

91 67.6 50.5 75.7

206 21.7 17.4 26.2





#81

Benzo(a)anthracene

Concen: 40.708 ng

RT: 13.968 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

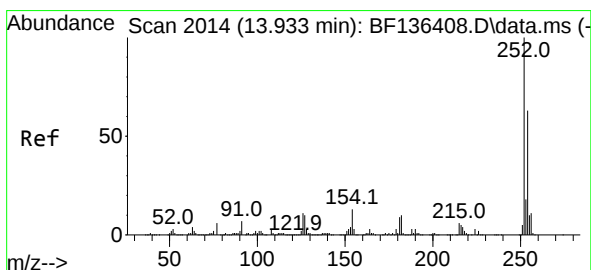
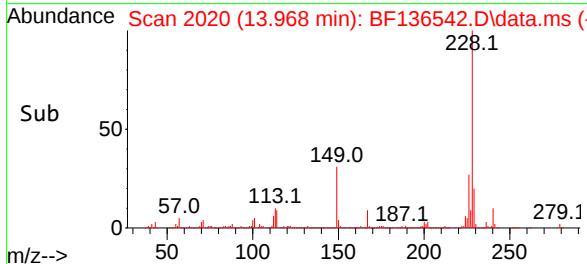
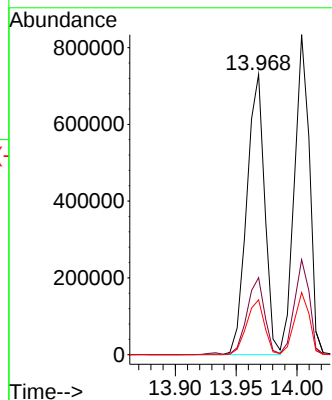
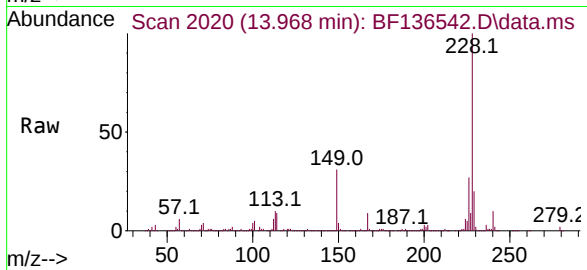
Tgt Ion:228 Resp: 748944

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.8

229 19.6 15.0 22.4



#82

3,3'-Dichlorobenzidine

Concen: 45.856 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

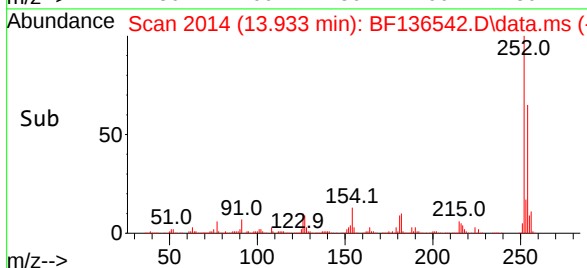
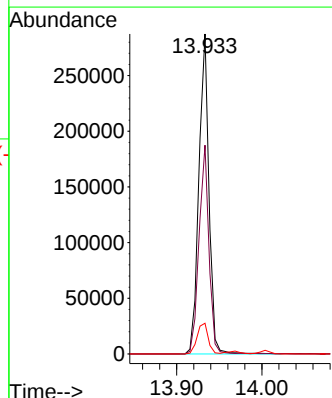
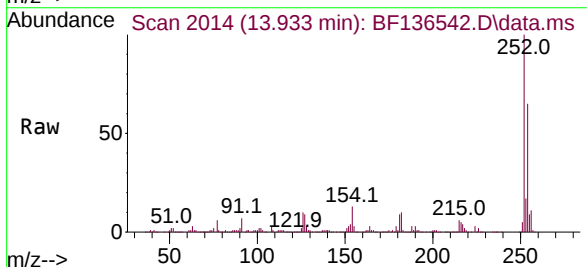
Tgt Ion:252 Resp: 236545

Ion Ratio Lower Upper

252 100

254 65.3 50.8 76.2

126 9.6 8.6 12.8





#83

Chrysene

Concen: 39.688 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

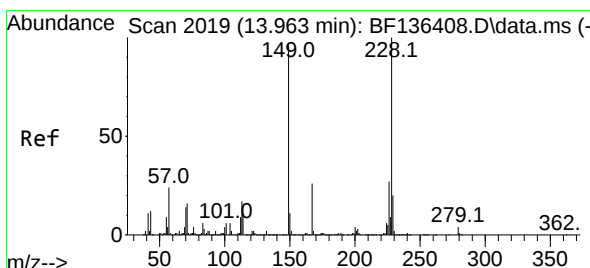
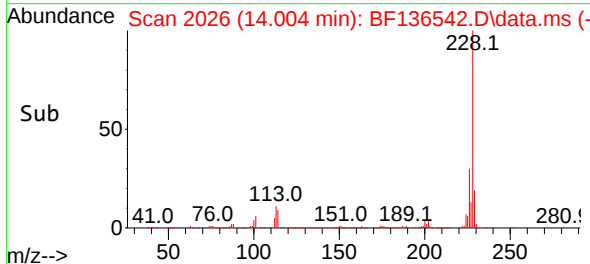
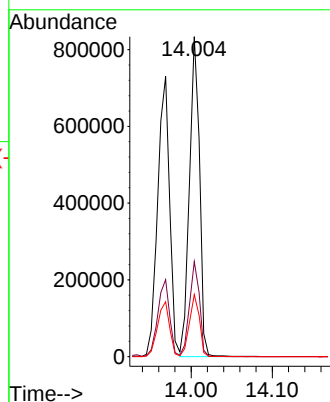
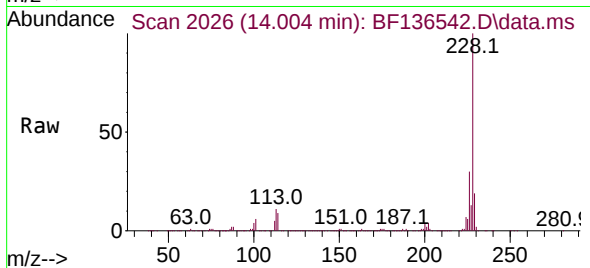
Tgt Ion:228 Resp: 718398

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

229 19.4 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.355 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

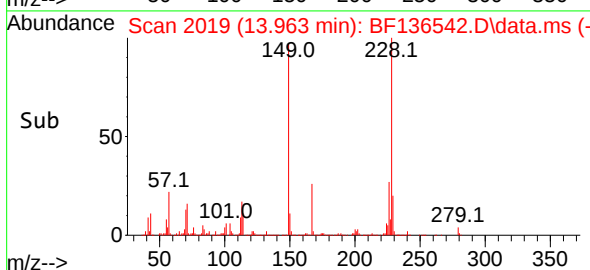
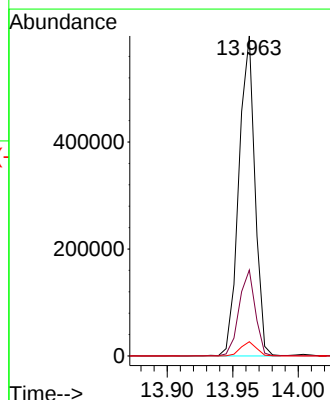
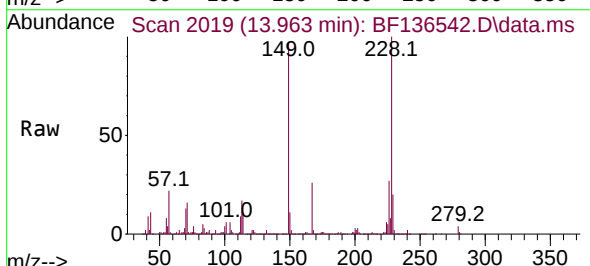
Tgt Ion:149 Resp: 511994

Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

279 4.4 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 50.394 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

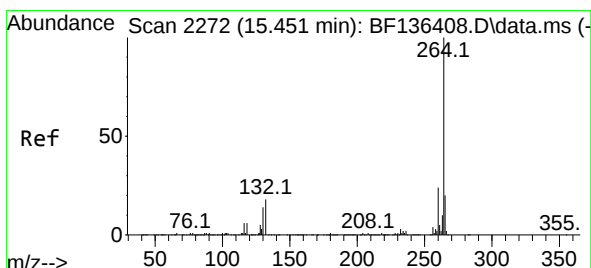
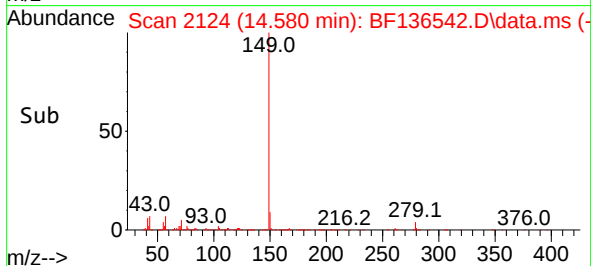
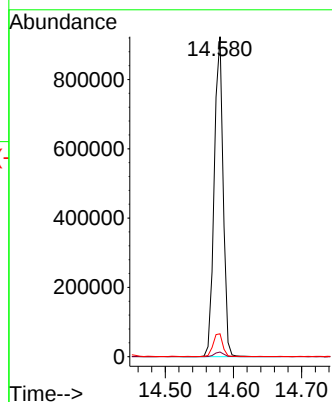
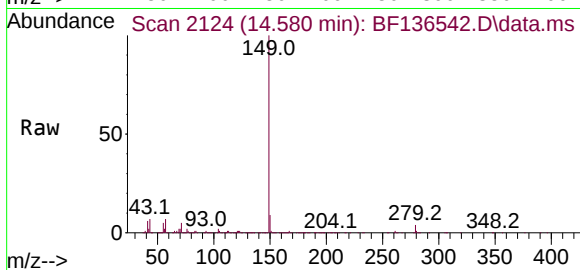
Tgt Ion:149 Resp: 840290

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 7.8 6.8 10.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2273

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

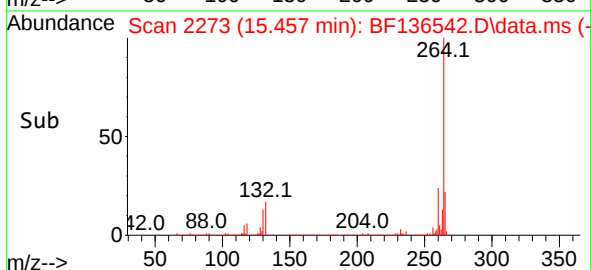
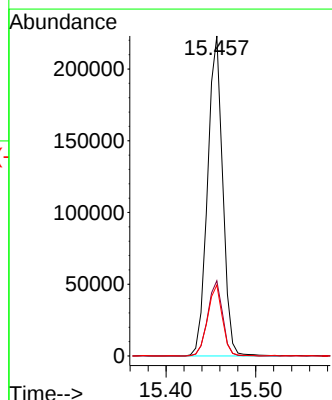
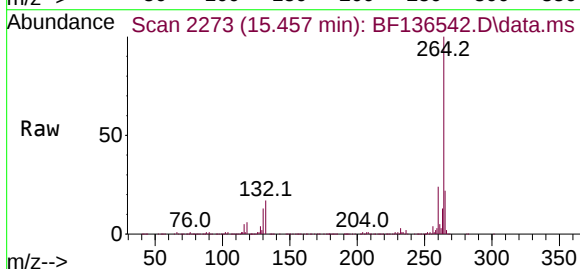
Tgt Ion:264 Resp: 261608

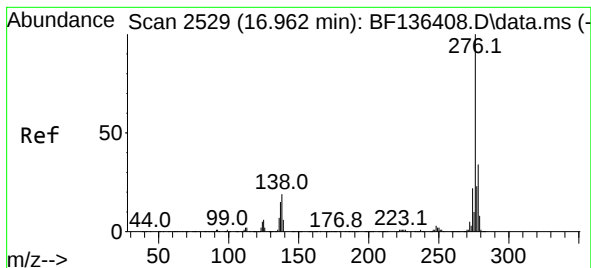
Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.1 15.9 23.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 48.621 ng

RT: 16.968 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA\_F

ClientSampleId :

PB157507BS

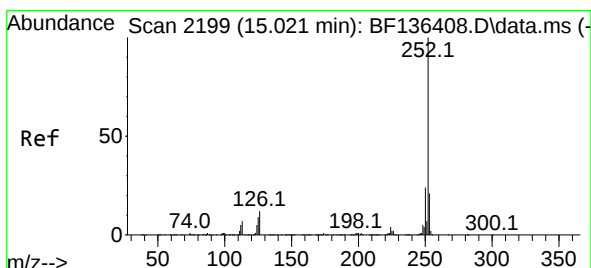
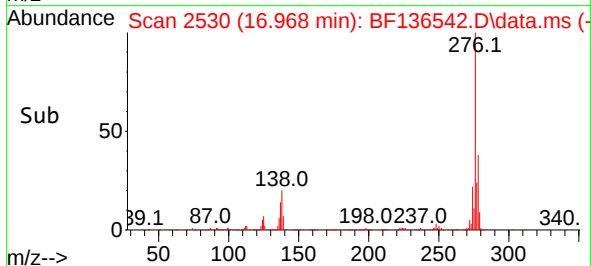
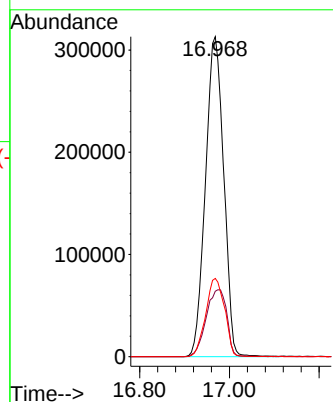
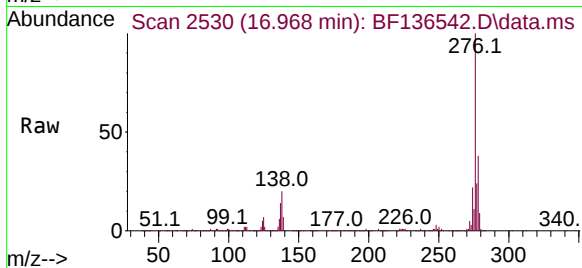
Tgt Ion:276 Resp: 883671

Ion Ratio Lower Upper

276 100

138 23.7 19.0 28.4

277 25.4 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 42.091 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

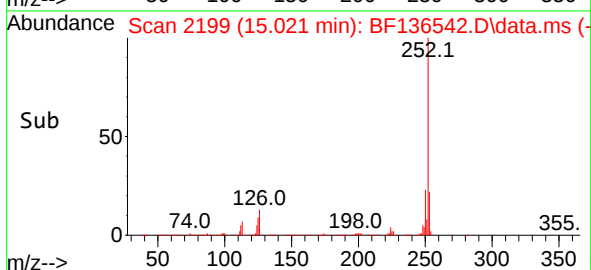
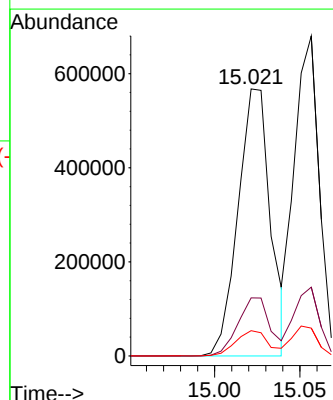
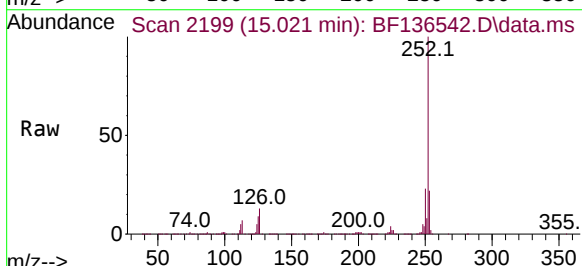
Tgt Ion:252 Resp: 752870

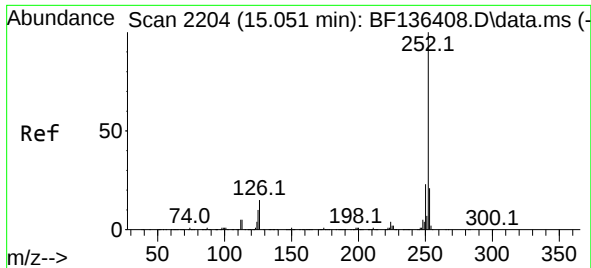
Ion Ratio Lower Upper

252 100

253 21.7 16.9 25.3

125 9.5 7.4 11.2

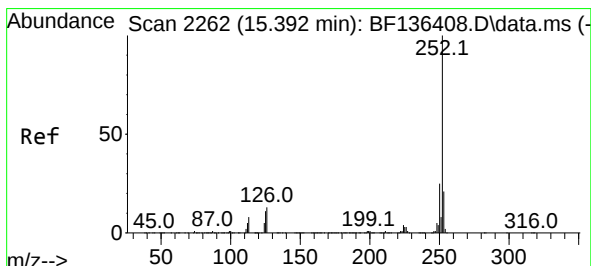
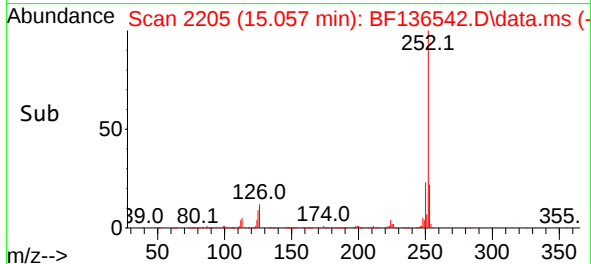
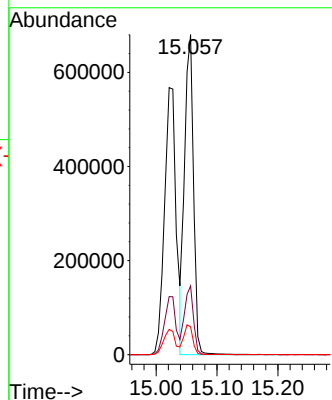
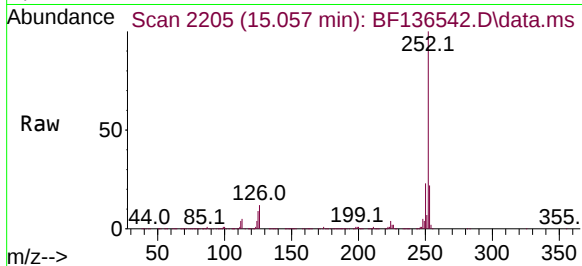




#89  
Benzo(k)fluoranthene  
Concen: 41.182 ng  
RT: 15.057 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

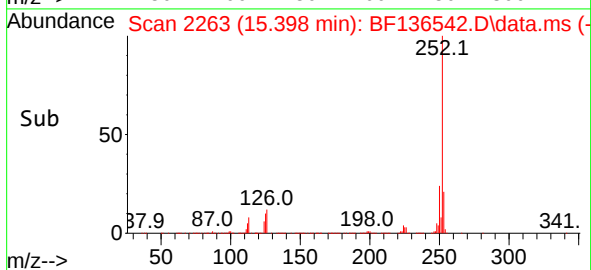
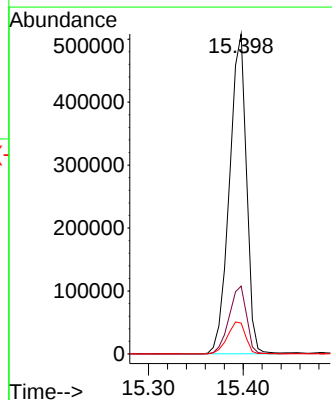
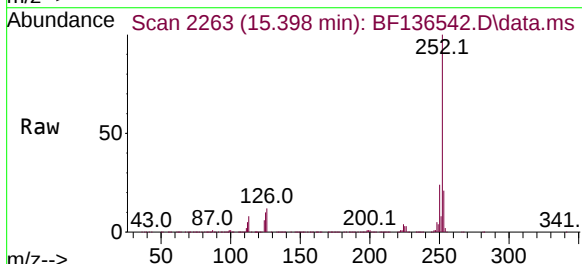
Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

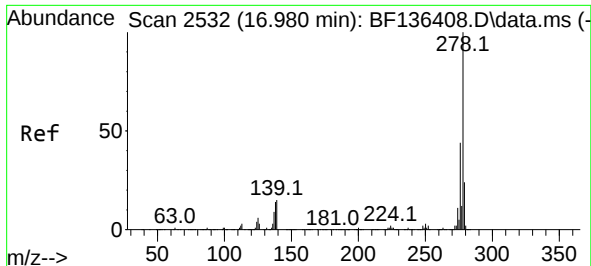
Tgt Ion:252 Resp: 694203  
Ion Ratio Lower Upper  
252 100  
253 21.5 16.9 25.3  
125 8.7 7.5 11.3



#90  
Benzo(a)pyrene  
Concen: 42.854 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:252 Resp: 633026  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.0 25.4  
125 9.6 8.6 13.0

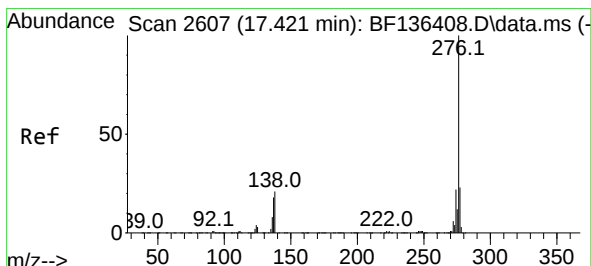
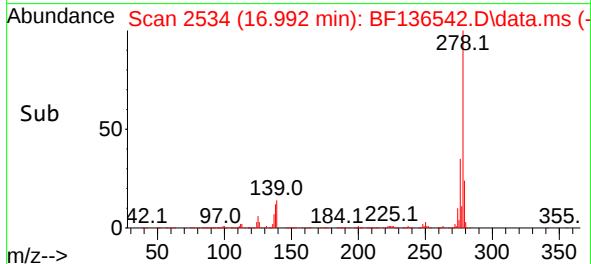
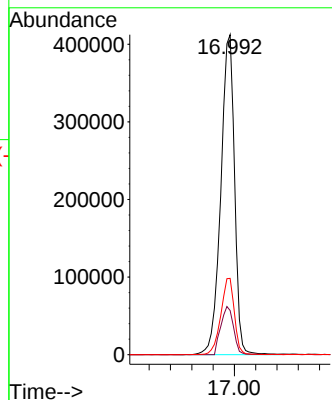
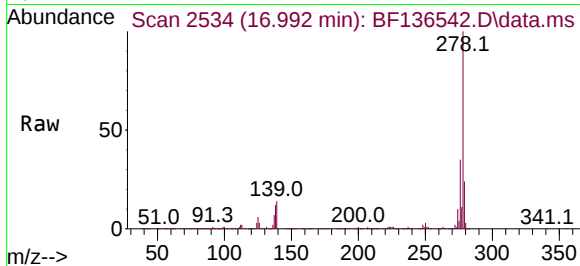




#91  
Dibenzo(a,h)anthracene  
Concen: 49.590 ng  
RT: 16.992 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB157507BS

Tgt Ion:278 Resp: 738361  
Ion Ratio Lower Upper  
278 100  
139 13.8 12.2 18.4  
279 23.9 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 48.095 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. 0.006 min  
Lab File: BF136542.D  
Acq: 13 Dec 2023 17:33

Tgt Ion:276 Resp: 735007  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.7 28.1  
138 20.2 16.6 25.0

