

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052324\  
 Data File : BF138020.D  
 Acq On : 23 May 2024 11:21  
 Operator : CG\JU  
 Sample : PB161055BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161055BS

Quant Time: May 23 11:56:00 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF051424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.034  | 152  | 159557   | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.322  | 136  | 634354   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.086 | 164  | 360690   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.580 | 188  | 631196   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.233 | 240  | 354682   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.798 | 264  | 306386   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.675  | 112  | 1085622  | 115.575 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.657  | 99   | 1347805  | 116.482 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.604  | 82   | 827658   | 76.784  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.880 | 330  | 472751   | 129.990 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.398  | 172  | 1776940  | 75.887  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.168 | 244  | 1955763  | 81.267  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.040  | 88   | 126984   | 31.206  | ng    | 97       |
| 3) Pyridine                   | 3.787  | 79   | 317553   | 34.780  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.751  | 42   | 164568   | 40.857  | ng    | 94       |
| 6) Aniline                    | 6.698  | 93   | 323013m  | 31.211  | ng    |          |
| 8) 2-Chlorophenol             | 6.822  | 128  | 439953   | 43.280  | ng    | 99       |
| 9) Benzaldehyde               | 6.592  | 77   | 363366   | 58.044  | ng    | 99       |
| 10) Phenol                    | 6.675  | 94   | 508361   | 43.527  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.769  | 93   | 381838   | 42.580  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.975  | 146  | 460924   | 39.190  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.051  | 146  | 467514   | 39.601  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.204  | 146  | 450340   | 40.531  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.175  | 79   | 356788   | 46.177  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.298  | 45   | 475066   | 43.097  | ng    | 98       |
| 17) 2-Methylphenol            | 7.281  | 107  | 352365   | 43.466  | ng    | 97       |
| 18) Hexachloroethane          | 7.551  | 117  | 159891   | 40.024  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.445  | 70   | 282860   | 43.512  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.428  | 107  | 444998   | 41.901  | ng    | 93       |
| 22) Acetophenone              | 7.445  | 105  | 584360   | 41.121  | ng    | # 98     |
| 24) Nitrobenzene              | 7.622  | 77   | 426883   | 39.038  | ng    | 99       |
| 25) Isophorone                | 7.857  | 82   | 785882   | 42.008  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.933  | 139  | 242445   | 44.125  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.957  | 122  | 315593   | 44.613  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 8.057  | 93   | 476803   | 42.052  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.175  | 162  | 381970   | 42.939  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.257  | 180  | 394009   | 39.670  | ng    | 99       |
| 31) Naphthalene               | 8.345  | 128  | 1264611  | 39.649  | ng    | 100      |
| 32) Benzoic acid              | 8.086  | 122  | 285927   | 47.815  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.386  | 127  | 217606   | 20.812  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.451  | 225  | 239465   | 38.091  | ng    | 99       |
| 35) Caprolactam               | 8.769  | 113  | 120129m  | 46.612  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.863  | 107  | 393917   | 43.531  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 9.039  | 142  | 846609   | 41.293  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.139  | 142  | 788154   | 39.103  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.204  | 216  | 405322   | 41.335  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.186  | 237  | 405833   | 108.921 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.310  | 196  | 279477   | 43.469  | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 15 04:12:16 2024  
 Response via : Initial Calibration

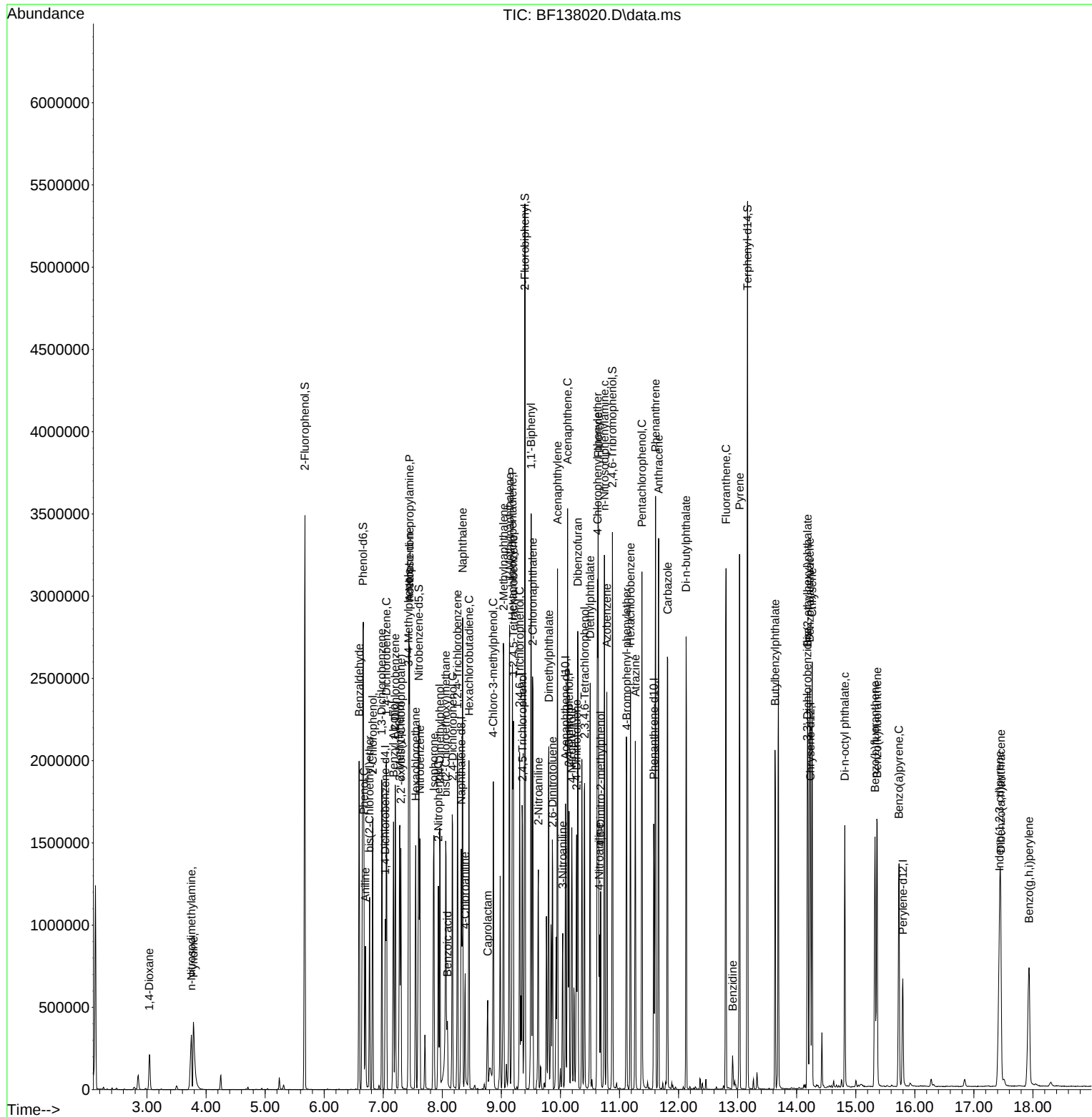
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.357  | 196  | 298965   | 42.498 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.504  | 154  | 1037740  | 41.020 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.533  | 162  | 806371   | 39.930 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.627  | 65   | 227759   | 44.042 | ng    | 90       |
| 49) Acenaphthylene            | 9.951  | 152  | 1293817  | 44.557 | ng    | 99       |
| 50) Dimethylphthalate         | 9.804  | 163  | 980547   | 43.352 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.869  | 165  | 222315   | 42.826 | ng    | 88       |
| 52) Acenaphthene              | 10.122 | 154  | 869950   | 45.329 | ng    | 99       |
| 53) 3-Nitroaniline            | 10.039 | 138  | 164799   | 32.473 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.145 | 184  | 238454   | 84.588 | ng    | # 85     |
| 55) Dibenzofuran              | 10.292 | 168  | 1162551  | 41.622 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.192 | 139  | 341312   | 93.639 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.275 | 165  | 299004   | 44.554 | ng    | 97       |
| 58) Fluorene                  | 10.639 | 166  | 924382   | 41.842 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.410 | 232  | 251192   | 45.453 | ng    | 99       |
| 60) Diethylphthalate          | 10.504 | 149  | 913024   | 43.222 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.627 | 204  | 455912   | 41.846 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.657 | 138  | 202663   | 42.104 | ng    | 100      |
| 63) Azobenzene                | 10.786 | 77   | 827285   | 43.056 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.680 | 198  | 170587   | 46.806 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.745 | 169  | 795314   | 41.087 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.121 | 248  | 289784   | 41.878 | ng    | 91       |
| 68) Hexachlorobenzene         | 11.186 | 284  | 312178   | 40.813 | ng    | 95       |
| 69) Atrazine                  | 11.269 | 200  | 273898   | 51.819 | ng    | 99       |
| 70) Pentachlorophenol         | 11.380 | 266  | 373973   | 83.467 | ng    | 99       |
| 71) Phenanthrene              | 11.610 | 178  | 1292715  | 41.560 | ng    | 99       |
| 72) Anthracene                | 11.663 | 178  | 1303690  | 42.243 | ng    | 99       |
| 73) Carbazole                 | 11.816 | 167  | 1171864  | 41.567 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.127 | 149  | 1378707  | 44.067 | ng    | 99       |
| 75) Fluoranthene              | 12.804 | 202  | 1305974  | 41.365 | ng    | 99       |
| 77) Benzidine                 | 12.916 | 184  | 93390    | 20.148 | ng    | 98       |
| 78) Pyrene                    | 13.033 | 202  | 1300504  | 41.922 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.633 | 149  | 474625   | 50.724 | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.221 | 228  | 985696   | 43.927 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.180 | 252  | 212780   | 34.217 | ng    | 99       |
| 83) Chrysene                  | 14.262 | 228  | 919960   | 42.868 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.186 | 149  | 578936   | 49.219 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.815 | 149  | 800457   | 50.374 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.433 | 276  | 904918   | 45.971 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.327 | 252  | 786048   | 44.310 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.362 | 252  | 809143   | 46.428 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.733 | 252  | 720487   | 47.563 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.456 | 278  | 735752   | 45.239 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.933 | 276  | 701985   | 41.088 | ng    | 99       |

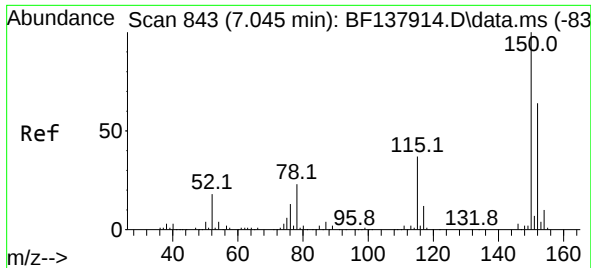
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ALS Vial : 4 Sample Multiplier: 1

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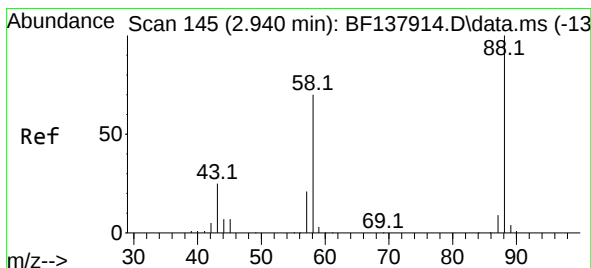
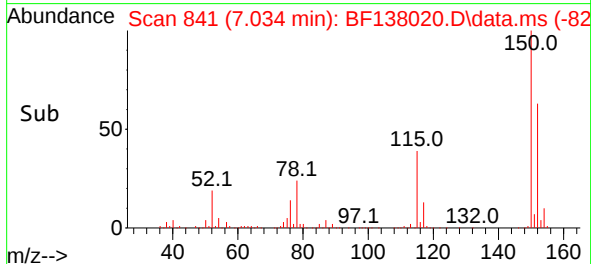
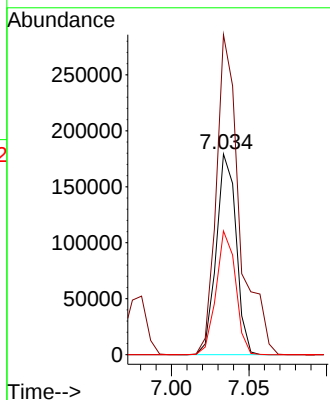
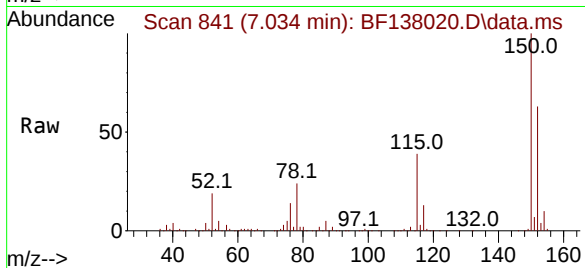




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.034 min Scan# 84  
 Delta R.T. -0.011 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

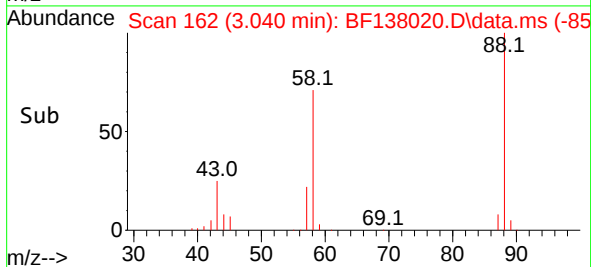
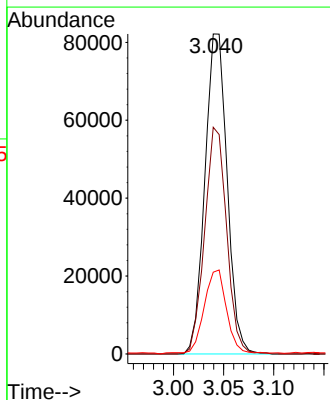
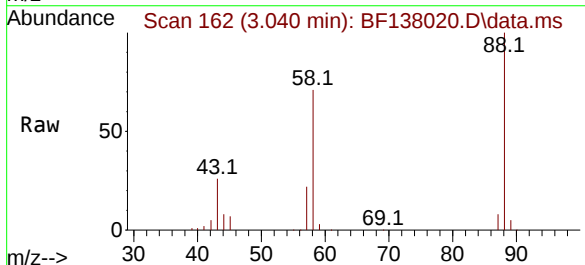
Instrument :  
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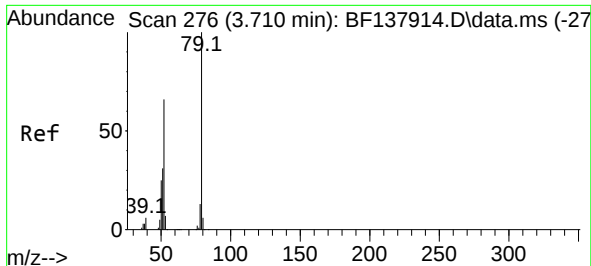
Tgt Ion:152 Resp: 159557  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 125.7 188.5  
 115 61.6 47.0 70.6



#2  
 1,4-Dioxane  
 Concen: 31.206 ng  
 RT: 3.040 min Scan# 162  
 Delta R.T. 0.100 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

Tgt Ion: 88 Resp: 126984  
 Ion Ratio Lower Upper  
 88 100  
 58 70.0 54.4 81.6  
 43 27.1 19.6 29.4

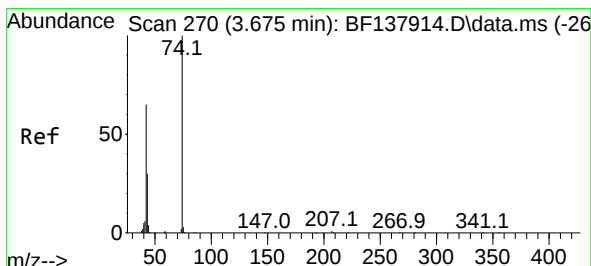
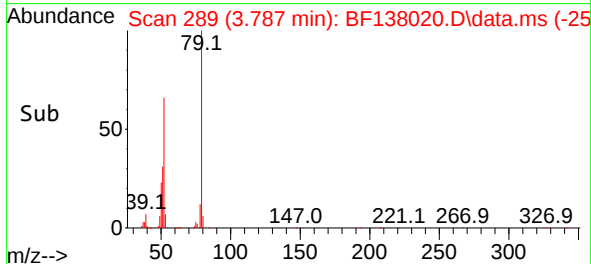
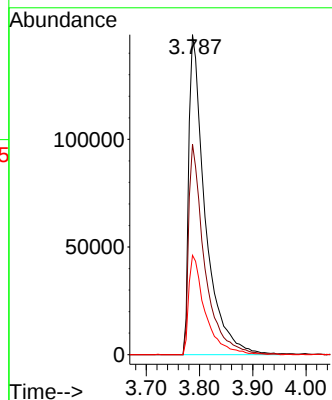
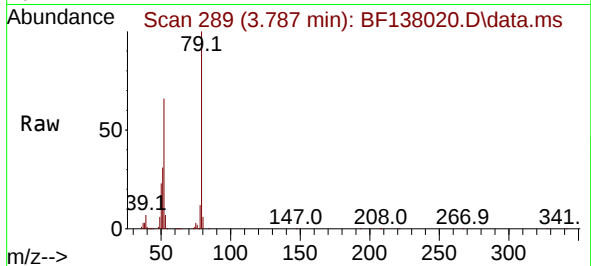




#3  
 Pyridine  
 Concen: 34.780 ng  
 RT: 3.787 min Scan# 21  
 Delta R.T. 0.076 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

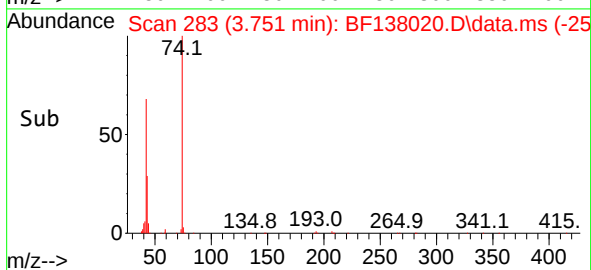
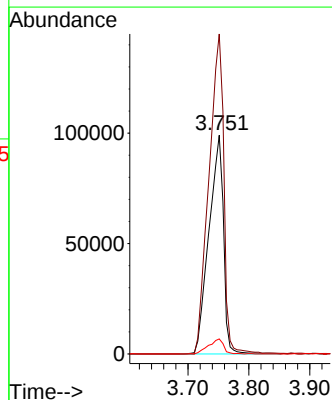
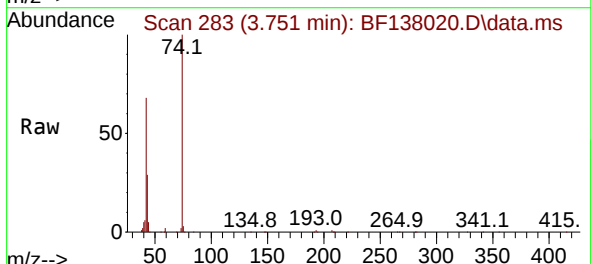
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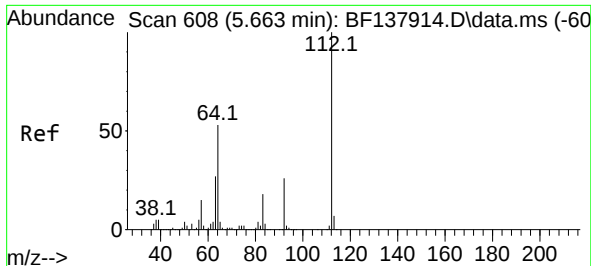
Tgt Ion: 79 Resp: 317553  
 Ion Ratio Lower Upper  
 79 100  
 52 65.8 52.5 78.7  
 51 31.1 25.1 37.7



#4  
 n-Nitrosodimethylamine  
 Concen: 40.857 ng  
 RT: 3.751 min Scan# 283  
 Delta R.T. 0.076 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

Tgt Ion: 42 Resp: 164568  
 Ion Ratio Lower Upper  
 42 100  
 74 146.3 123.1 184.7  
 44 6.9 5.0 7.6

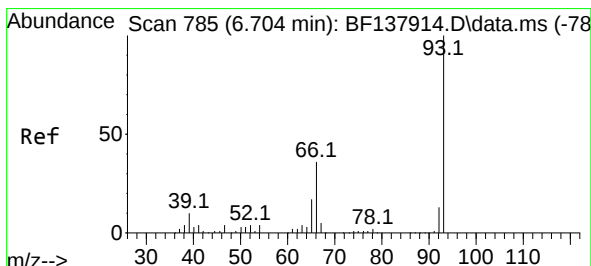
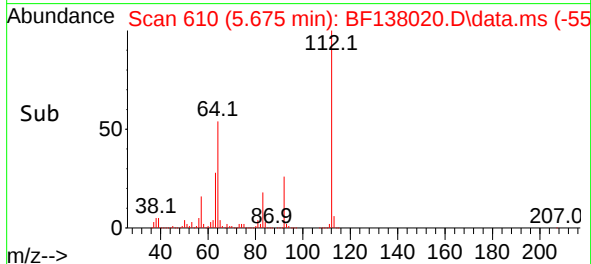
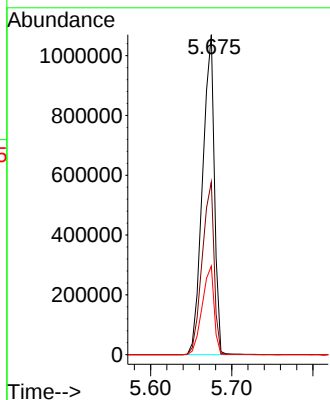
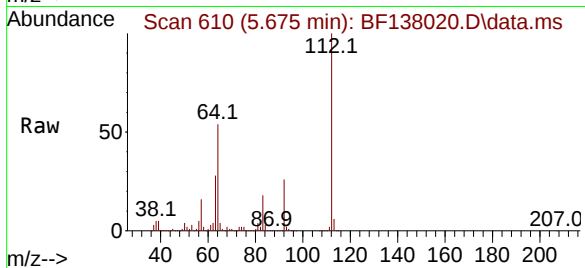




#5  
2-Fluorophenol  
Concen: 115.575 ng  
RT: 5.675 min Scan# 610  
Delta R.T. 0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

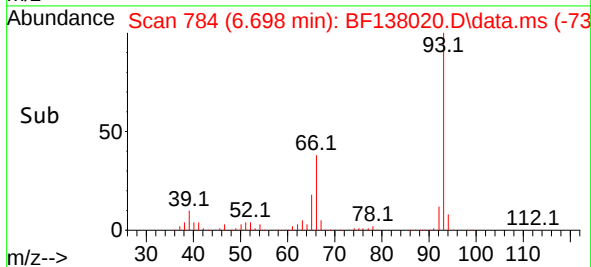
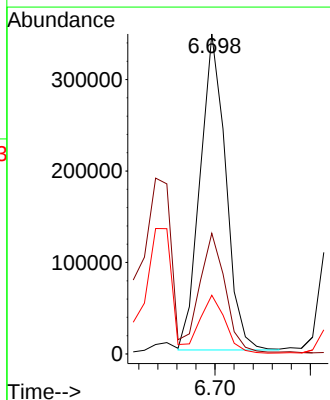
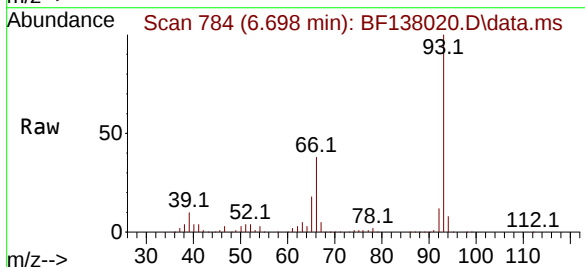
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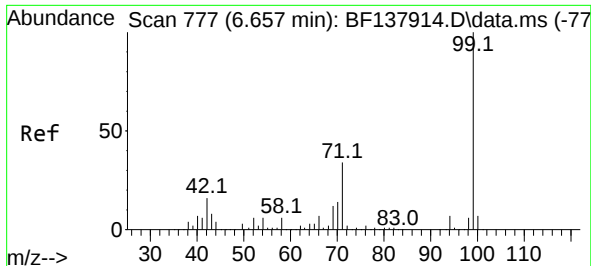
Tgt Ion:112 Resp: 1085622  
Ion Ratio Lower Upper  
112 100  
64 54.0 42.4 63.6  
63 27.7 21.4 32.2



#6  
Aniline  
Concen: 31.211 ng m  
RT: 6.698 min Scan# 784  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion: 93 Resp: 323013  
Ion Ratio Lower Upper  
93 100  
66 37.7 30.7 46.1  
65 18.4 15.0 22.4



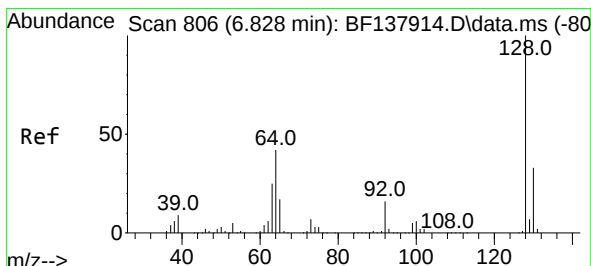
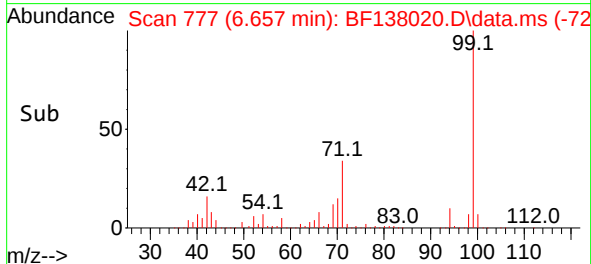
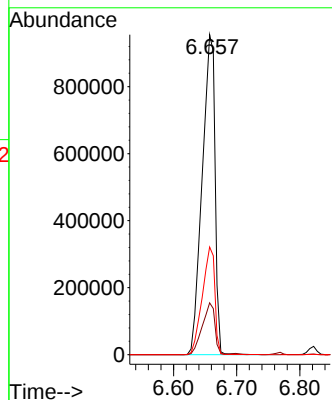
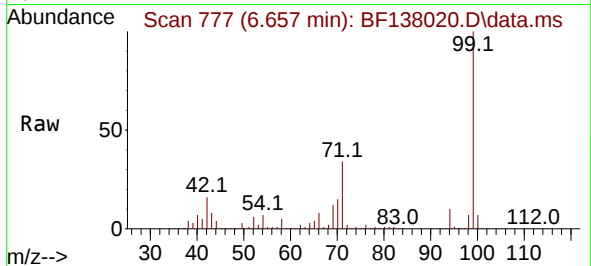


#7  
Phenol-d6  
Concen: 116.482 ng  
RT: 6.657 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
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Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1347805

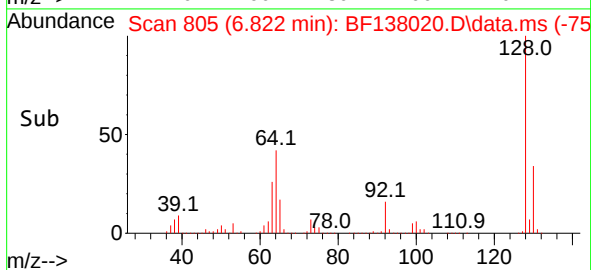
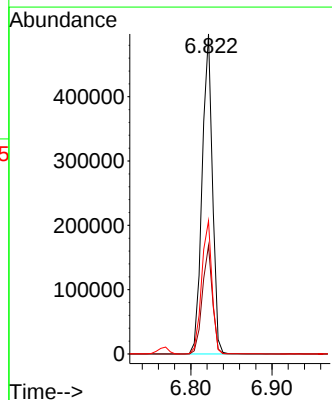
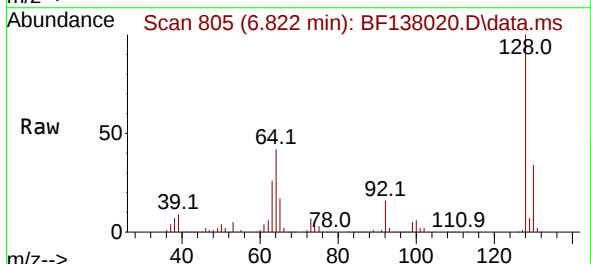
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|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.2  | 12.6  | 18.8  |
| 71  | 33.7  | 27.1  | 40.7  |

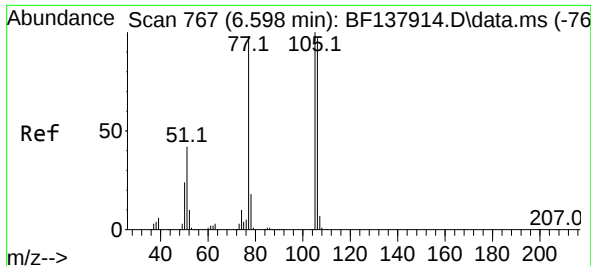


#8  
2-Chlorophenol  
Concen: 43.280 ng  
RT: 6.822 min Scan# 805  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:128 Resp: 439953

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.9  | 12.8  | 52.8  |
| 64  | 41.6  | 22.2  | 62.2  |

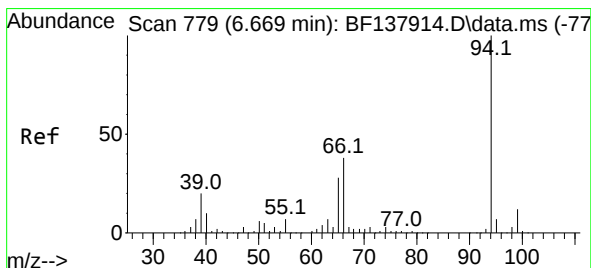
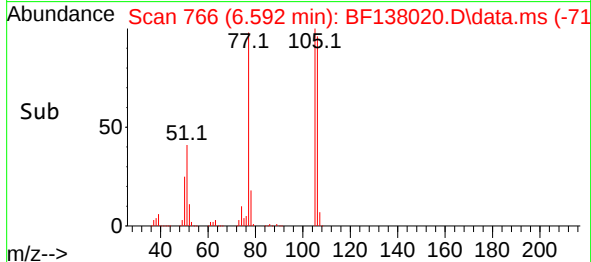
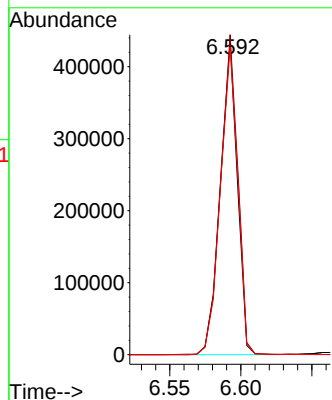
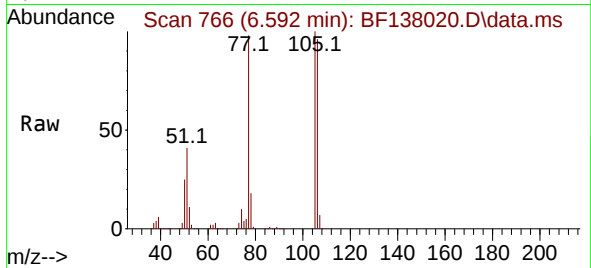




#9  
Benzaldehyde  
Concen: 58.044 ng  
RT: 6.592 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

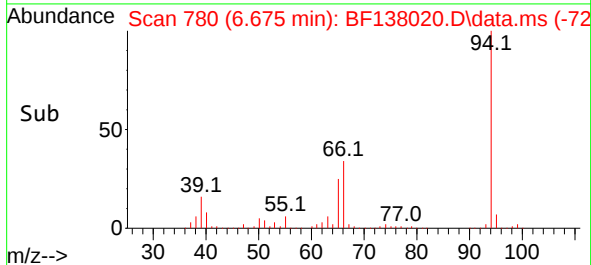
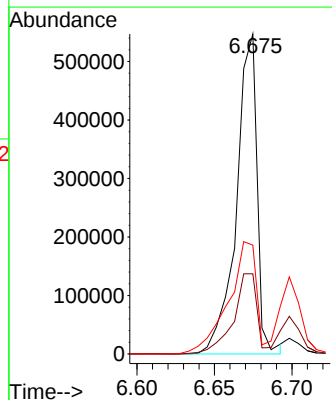
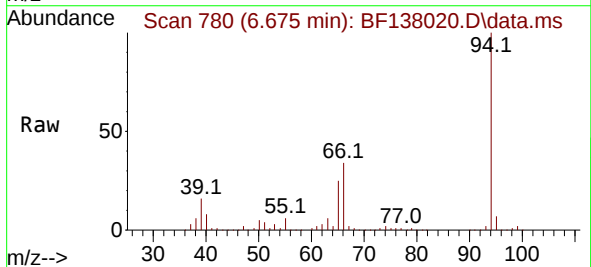
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

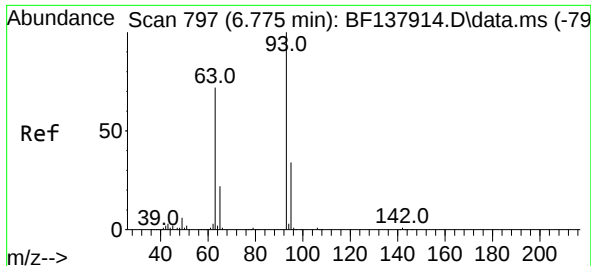
Tgt Ion: 77 Resp: 363366  
Ion Ratio Lower Upper  
77 100  
105 101.7 82.3 122.3  
106 97.7 79.2 119.2



#10  
Phenol  
Concen: 43.527 ng  
RT: 6.675 min Scan# 780  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion: 94 Resp: 508361  
Ion Ratio Lower Upper  
94 100  
65 25.0 7.8 47.8  
66 34.0 18.6 58.6

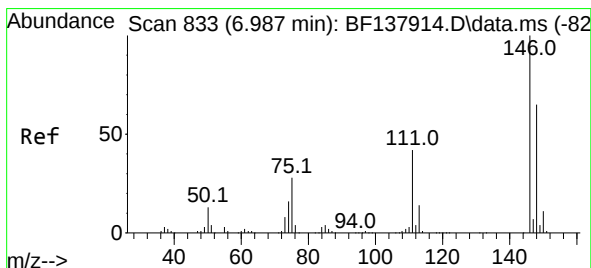
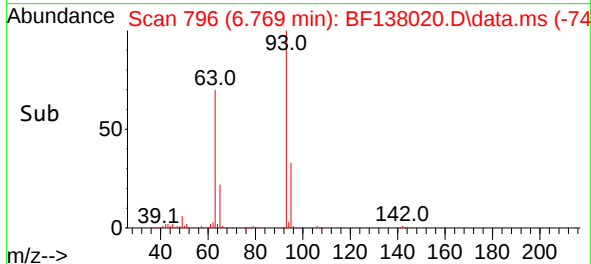
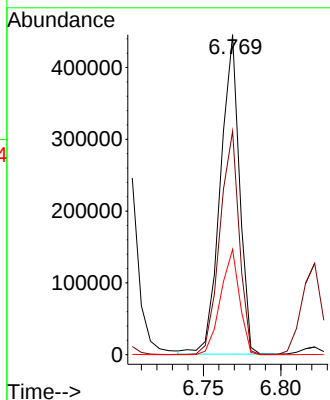
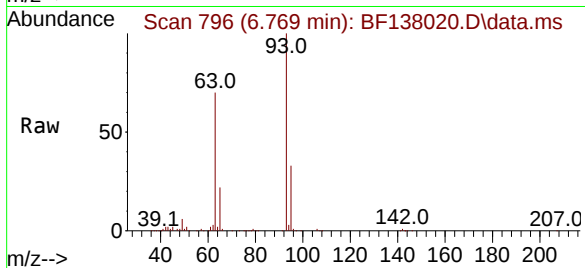




#11  
bis(2-Chloroethyl)ether  
Concen: 42.580 ng  
RT: 6.769 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

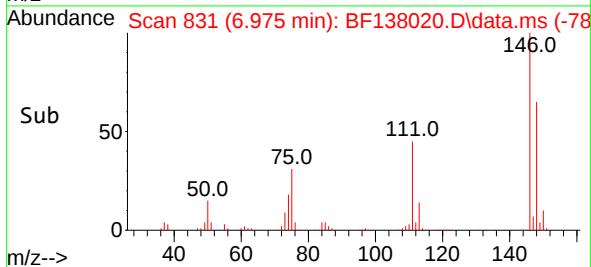
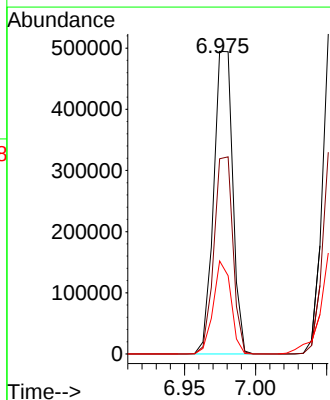
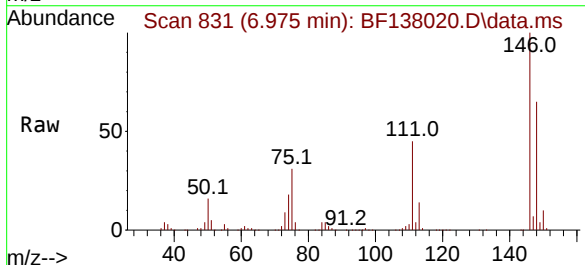
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

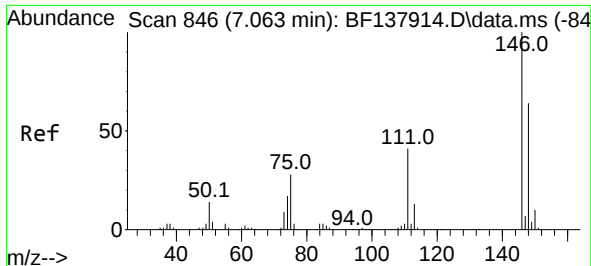
Tgt Ion: 93 Resp: 381838  
Ion Ratio Lower Upper  
93 100  
63 69.9 51.4 91.4  
95 32.9 13.5 53.5



#12  
1,3-Dichlorobenzene  
Concen: 39.190 ng  
RT: 6.975 min Scan# 831  
Delta R.T. -0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:146 Resp: 460924  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.7 77.5  
75 30.7 22.4 33.6





#13

1,4-Dichlorobenzene

Concen: 39.601 ng

RT: 7.051 min Scan# 84

Delta R.T. -0.012 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

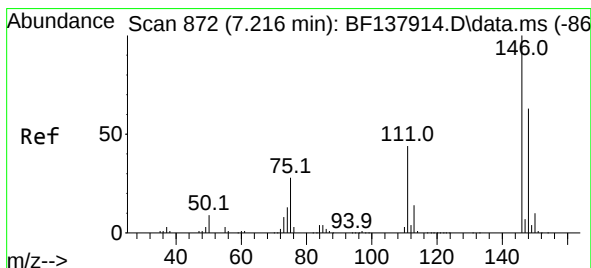
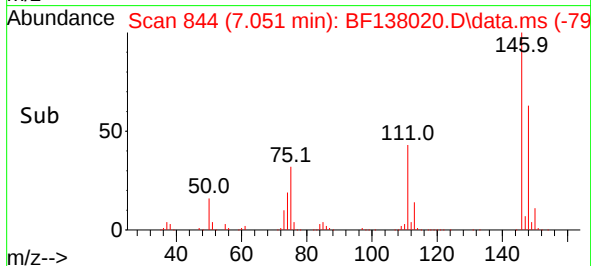
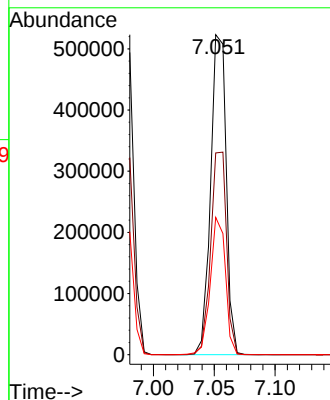
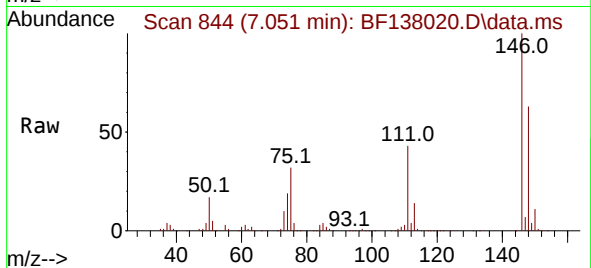
Tgt Ion:146 Resp: 467514

Ion Ratio Lower Upper

146 100

148 63.0 51.0 76.6

111 42.9 32.5 48.7



#14

1,2-Dichlorobenzene

Concen: 40.531 ng

RT: 7.204 min Scan# 870

Delta R.T. -0.012 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

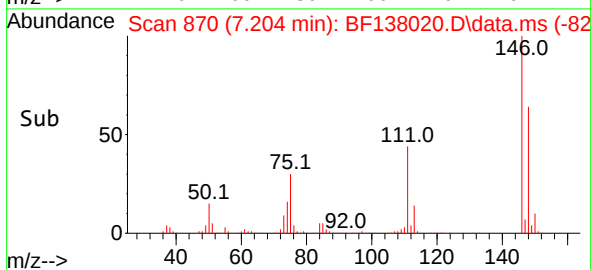
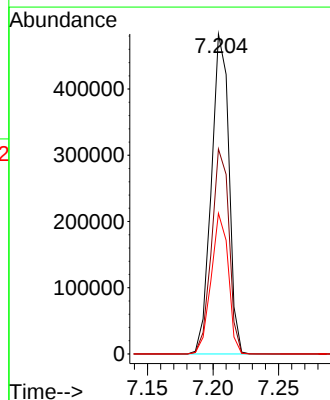
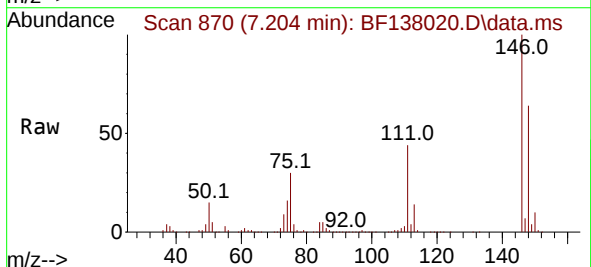
Tgt Ion:146 Resp: 450340

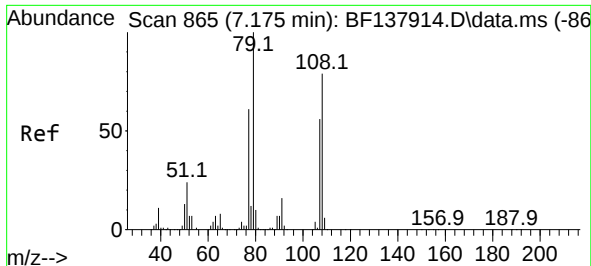
Ion Ratio Lower Upper

146 100

148 64.0 50.2 75.4

111 43.9 35.1 52.7

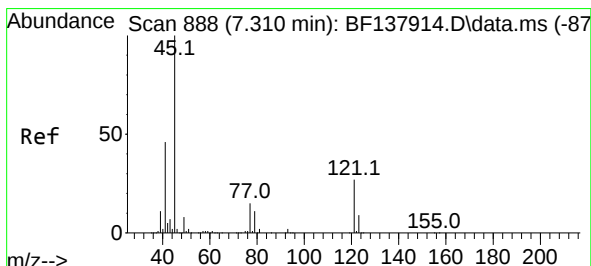
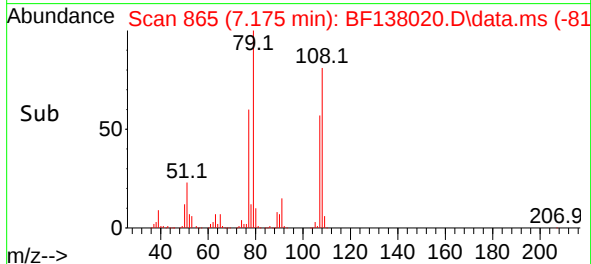
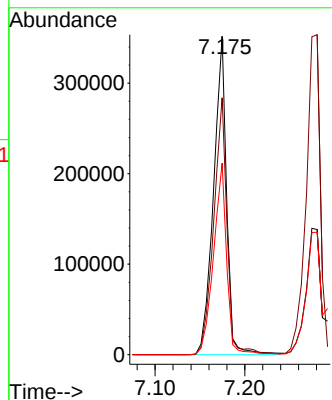
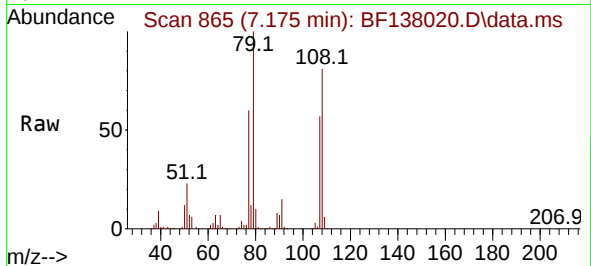




#15  
Benzyl Alcohol  
Concen: 46.177 ng  
RT: 7.175 min Scan# 865  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

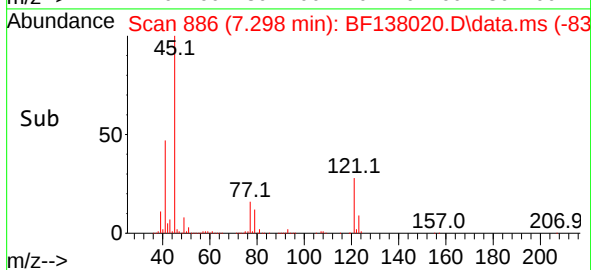
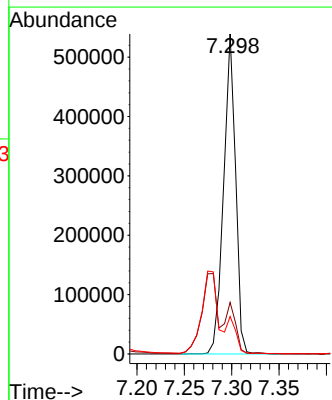
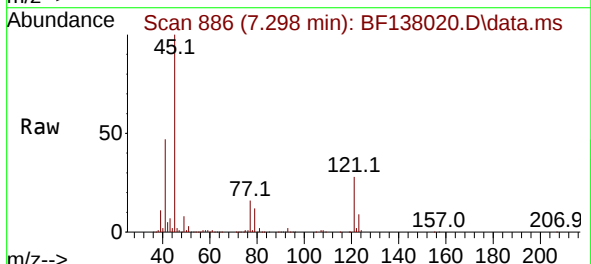
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

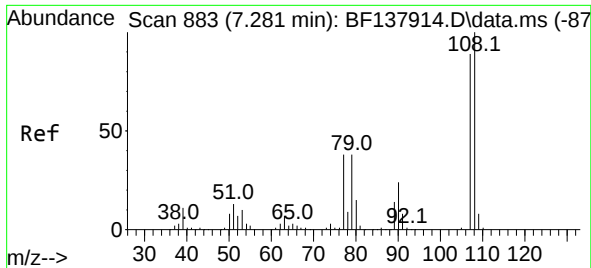
Tgt Ion: 79 Resp: 356788  
Ion Ratio Lower Upper  
79 100  
108 80.7 62.8 94.2  
77 60.1 48.7 73.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.097 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion: 45 Resp: 475066  
Ion Ratio Lower Upper  
45 100  
77 16.1 0.0 35.3  
79 11.7 0.0 32.1

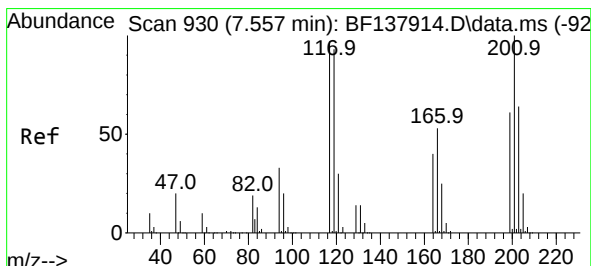
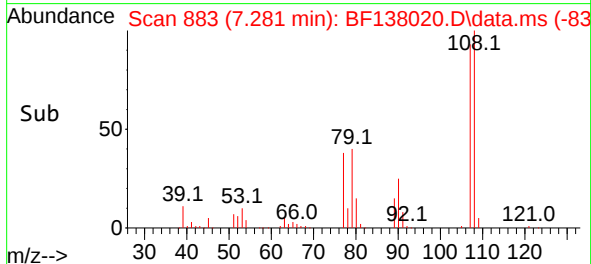
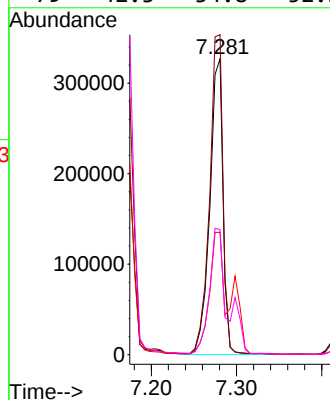
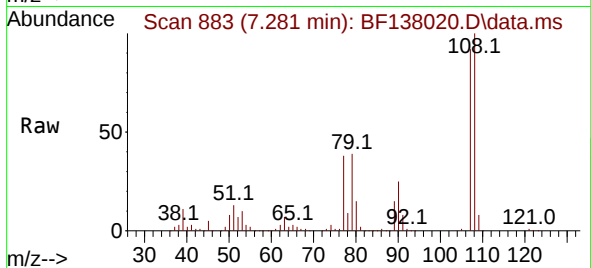




#17  
2-Methylphenol  
Concen: 43.466 ng  
RT: 7.281 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

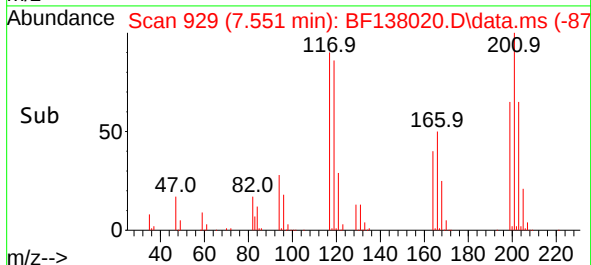
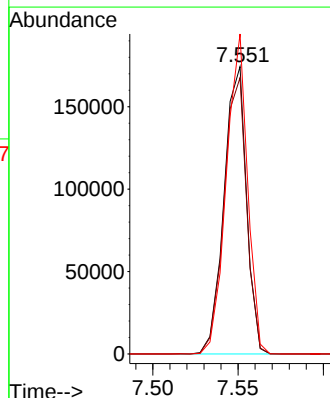
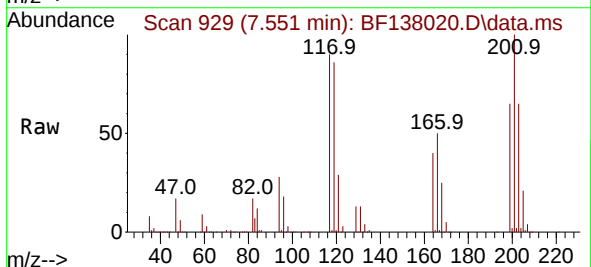
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

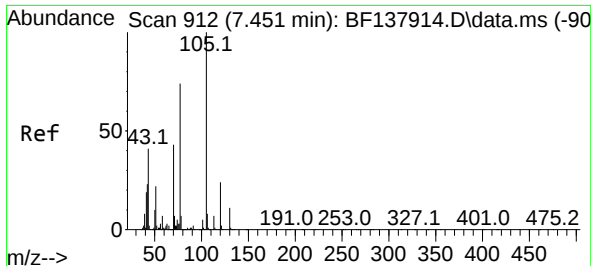
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 352365 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 108.2 | 90.1  | 135.1  |
| 77       | 41.4  | 34.3  | 51.5   |
| 79       | 42.3  | 34.8  | 52.2   |



#18  
Hexachloroethane  
Concen: 40.024 ng  
RT: 7.551 min Scan# 929  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 159891 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.1  | 76.8  | 115.2  |
| 201      | 111.3 | 82.7  | 124.1  |

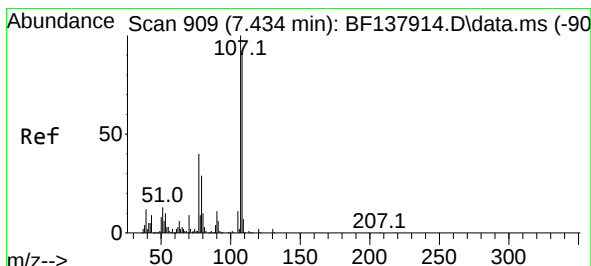
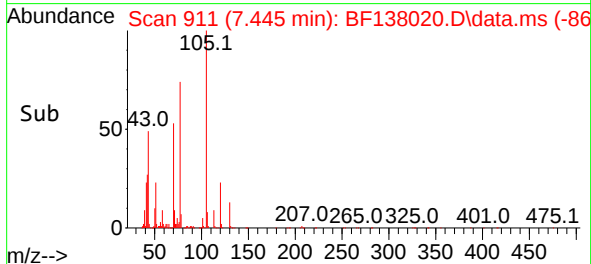
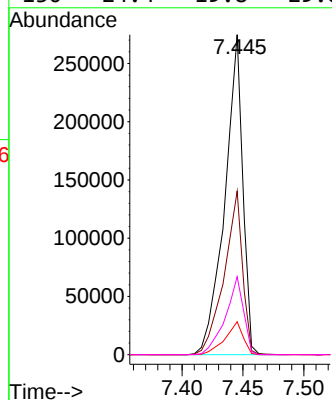
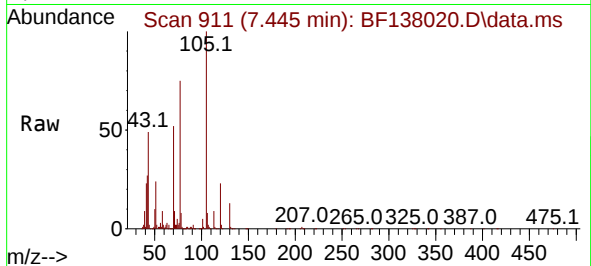




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.512 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

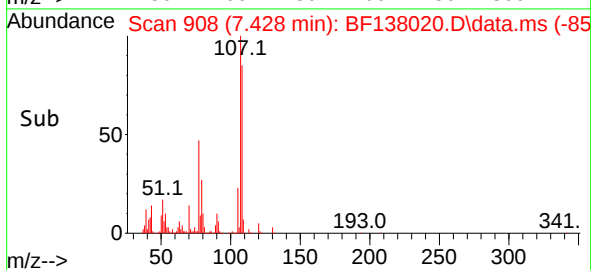
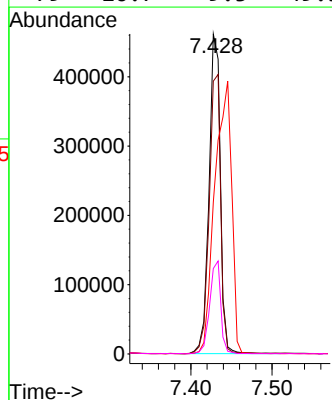
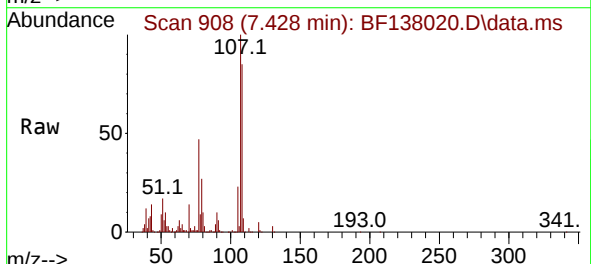
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

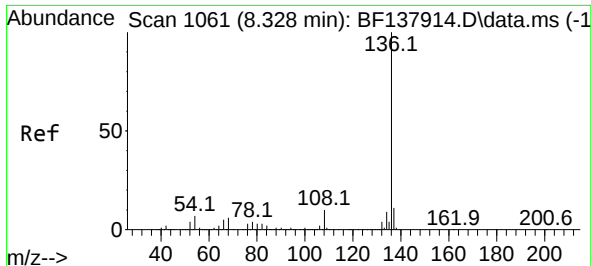
Tgt Ion: 70 Resp: 282860  
Ion Ratio Lower Upper  
70 100  
42 51.1 42.2 63.4  
101 10.3 8.8 13.2  
130 24.4 19.8 29.8



#20  
3+4-Methylphenols  
Concen: 41.901 ng  
RT: 7.428 min Scan# 908  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion: 107 Resp: 444998  
Ion Ratio Lower Upper  
107 100  
108 85.2 70.8 110.8  
77 47.4 20.2 60.2  
79 26.7 9.3 49.3

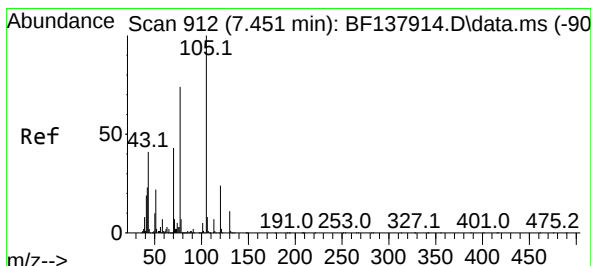
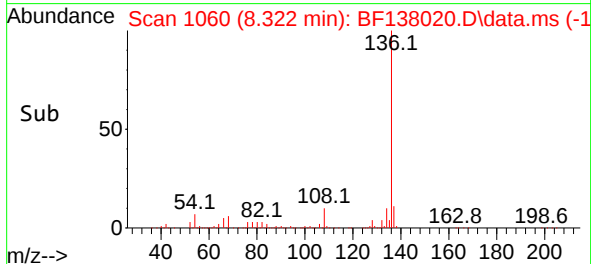
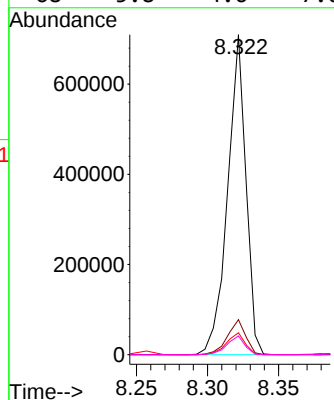
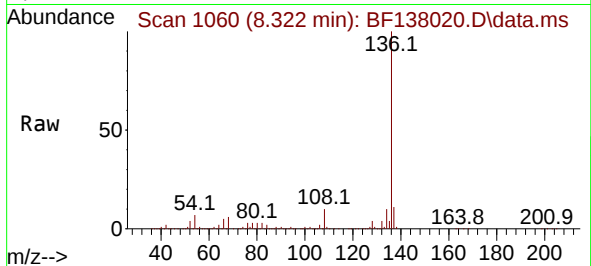




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.322 min Scan# 1060  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

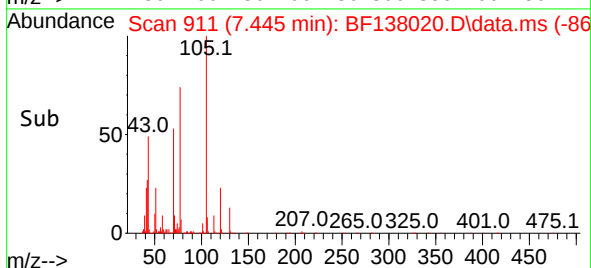
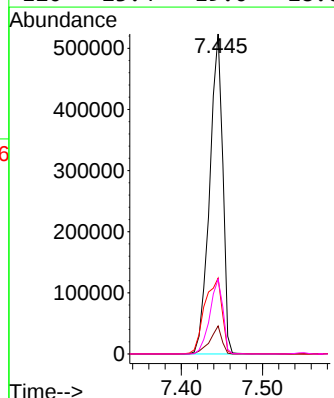
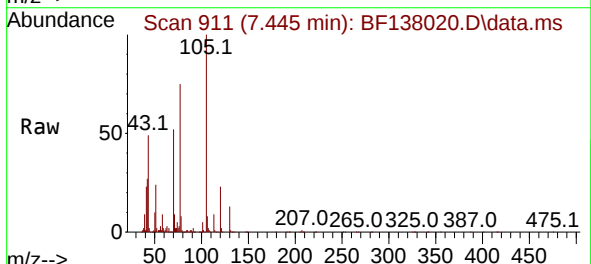
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

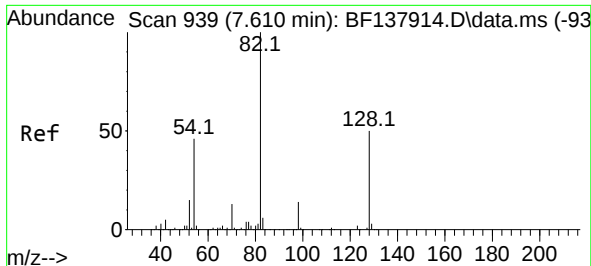
Tgt Ion:136 Resp: 634354  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.7 13.1  
54 6.9 5.4 8.2  
68 5.8 4.6 7.0



#22  
Acetophenone  
Concen: 41.121 ng  
RT: 7.445 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:105 Resp: 584360  
Ion Ratio Lower Upper  
105 100  
71 8.7 5.7 8.5#  
51 23.7 17.8 26.8  
120 23.4 19.0 28.6





#23

Nitrobenzene-d5

Concen: 76.784 ng

RT: 7.604 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

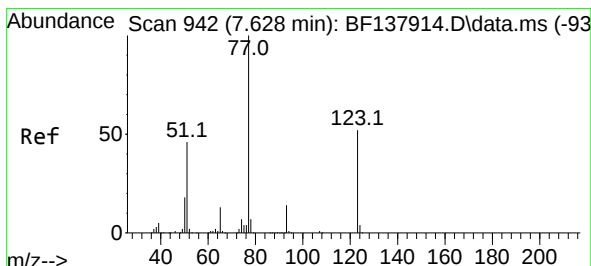
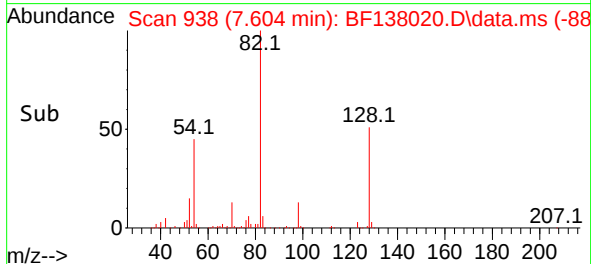
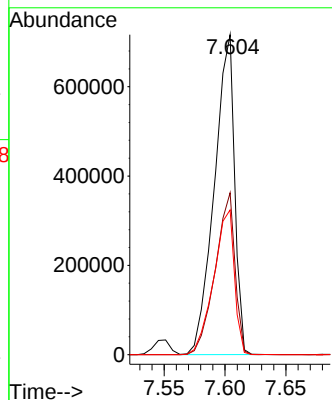
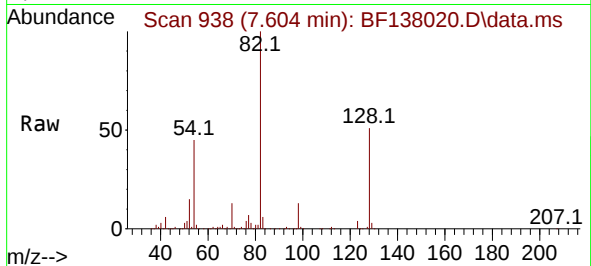
Tgt Ion: 82 Resp: 827658

Ion Ratio Lower Upper

82 100

128 50.6 40.3 60.5

54 45.3 36.8 55.2



#24

Nitrobenzene

Concen: 39.038 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

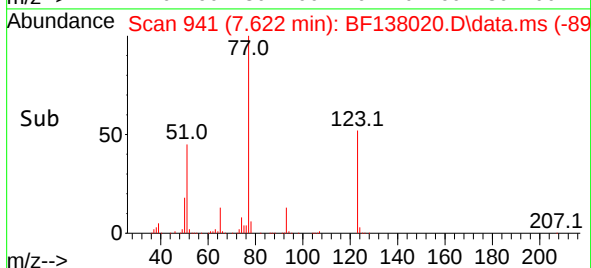
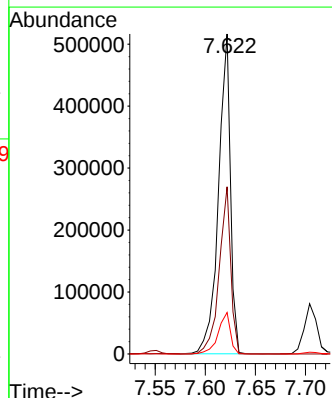
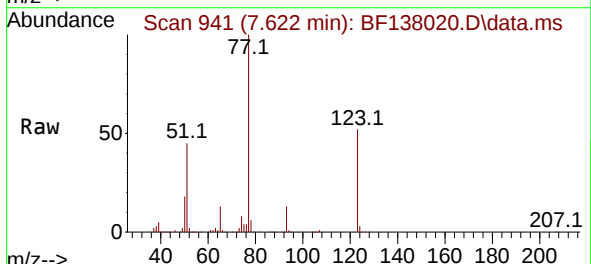
Tgt Ion: 77 Resp: 426883

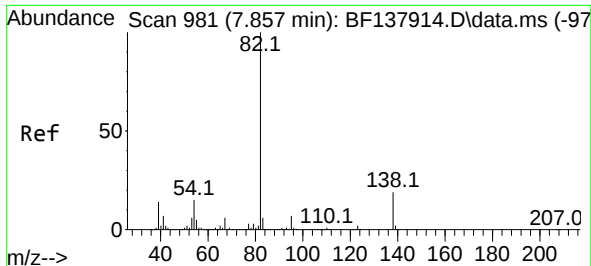
Ion Ratio Lower Upper

77 100

123 52.3 41.4 62.2

65 13.0 10.5 15.7

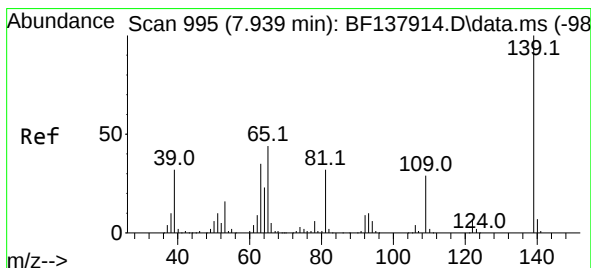
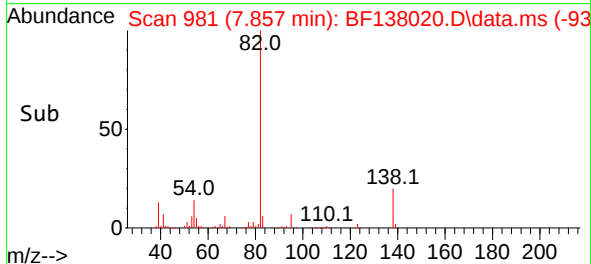
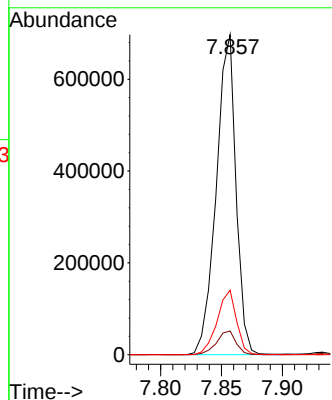
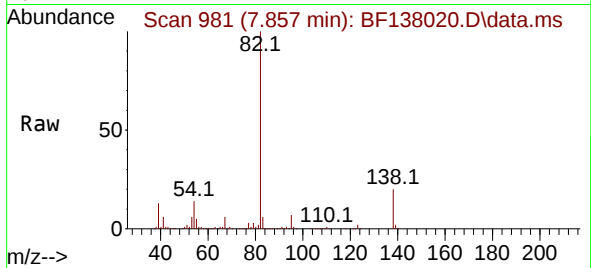




#25  
Isophorone  
Concen: 42.008 ng  
RT: 7.857 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

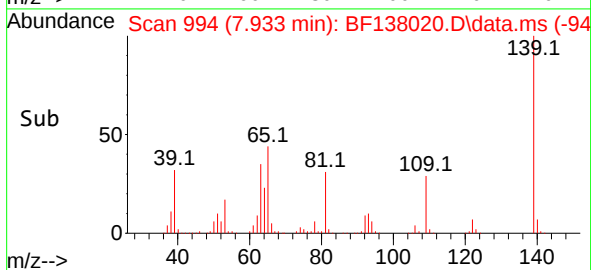
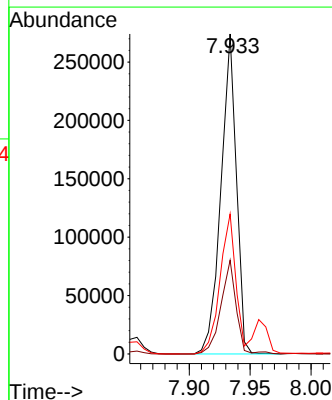
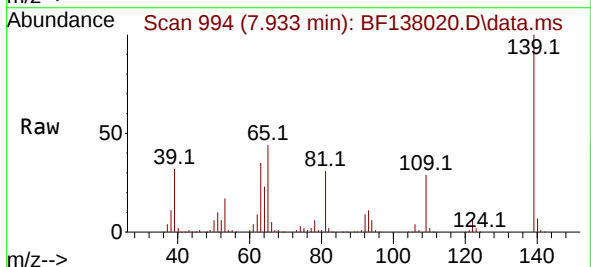
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

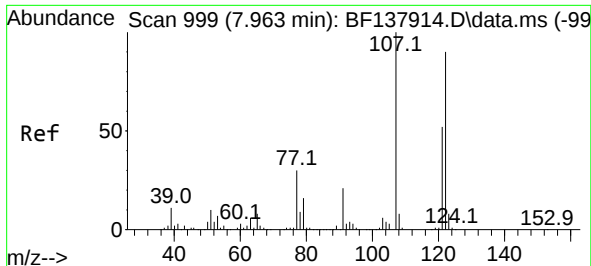
Tgt Ion: 82 Resp: 785882  
Ion Ratio Lower Upper  
82 100  
95 7.4 6.0 9.0  
138 20.2 15.0 22.4



#26  
2-Nitrophenol  
Concen: 44.125 ng  
RT: 7.933 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:139 Resp: 242445  
Ion Ratio Lower Upper  
139 100  
109 29.3 22.8 34.2  
65 43.8 35.2 52.8

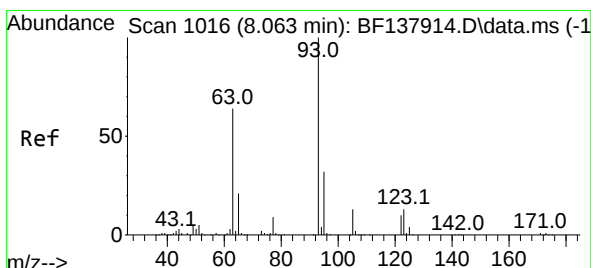
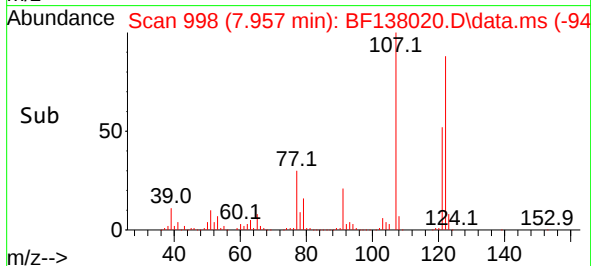
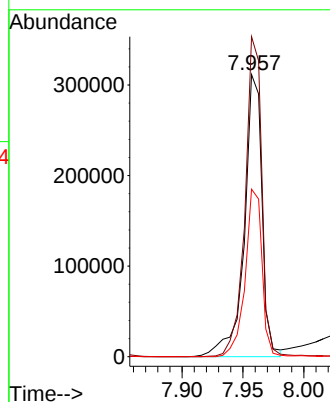
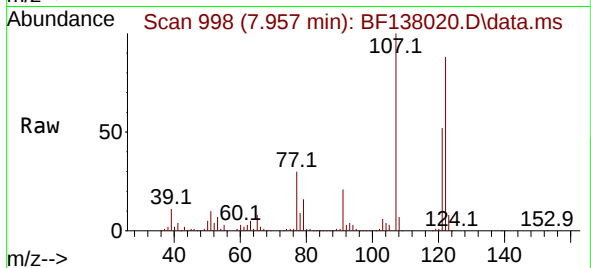




#27  
2,4-Dimethylphenol  
Concen: 44.613 ng  
RT: 7.957 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

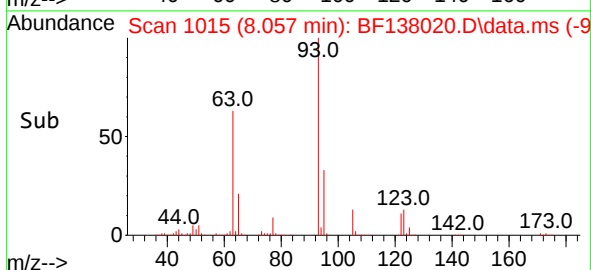
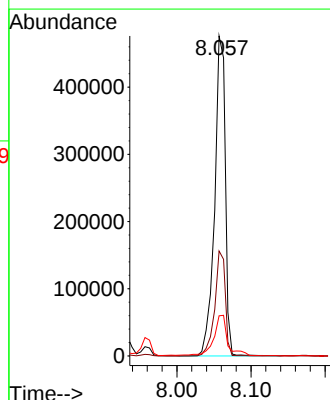
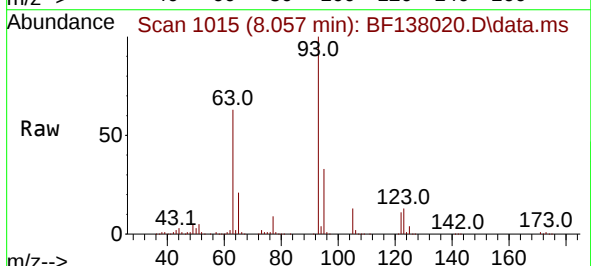
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

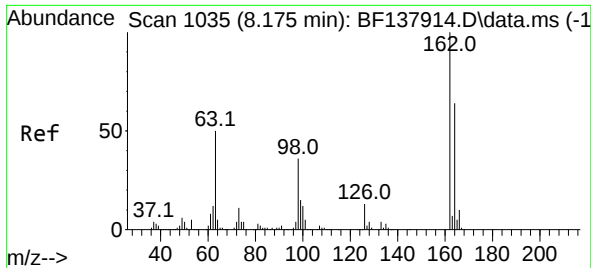
Tgt Ion:122 Resp: 315593  
Ion Ratio Lower Upper  
122 100  
107 113.4 89.0 133.4  
121 59.4 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.052 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion: 93 Resp: 476803  
Ion Ratio Lower Upper  
93 100  
95 32.8 25.9 38.9  
123 12.5 10.4 15.6





#29

2,4-Dichlorophenol

Concen: 42.939 ng

RT: 8.175 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

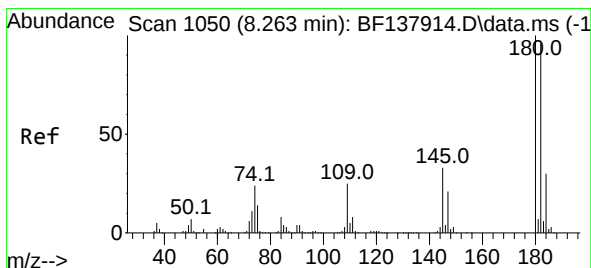
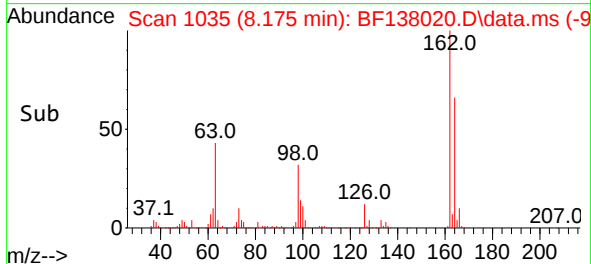
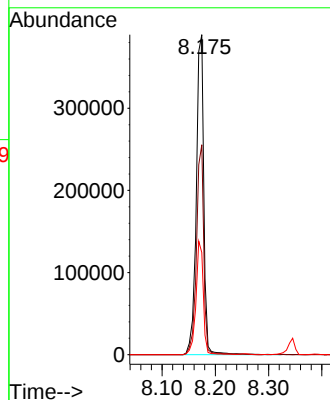
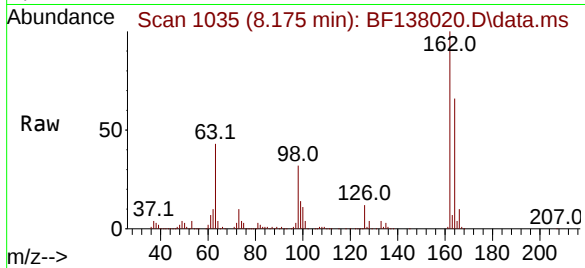
Tgt Ion:162 Resp: 381970

Ion Ratio Lower Upper

162 100

164 65.6 44.3 84.3

98 31.9 15.8 55.8



#30

1,2,4-Trichlorobenzene

Concen: 39.670 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

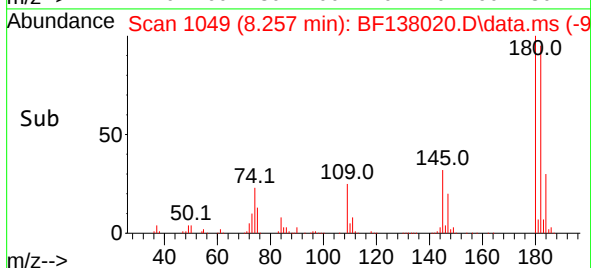
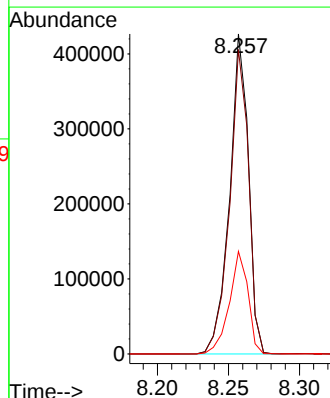
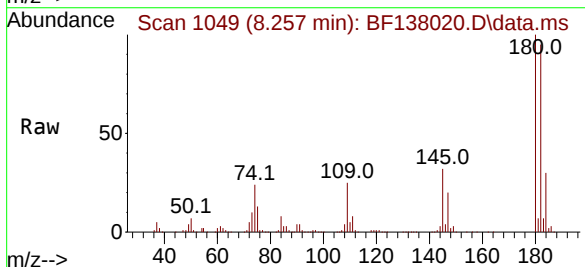
Tgt Ion:180 Resp: 394009

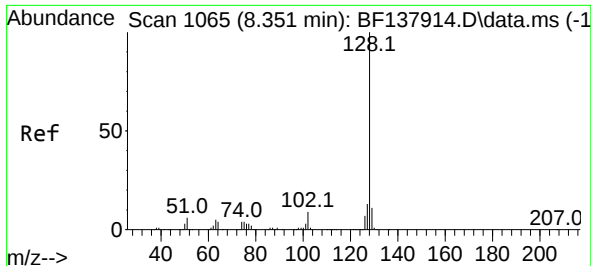
Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 32.1 26.2 39.2

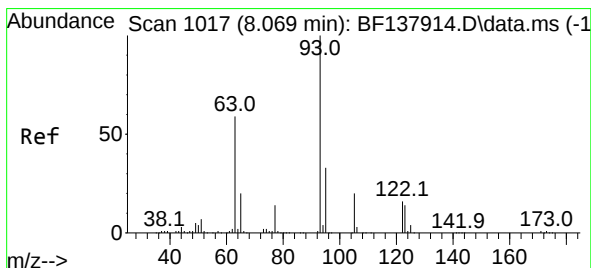
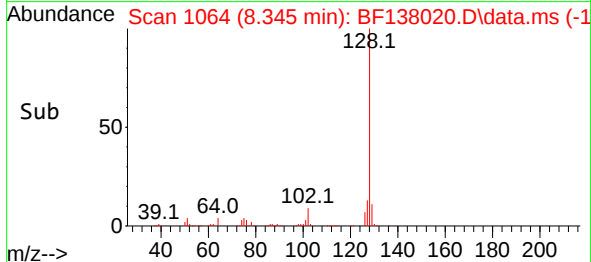
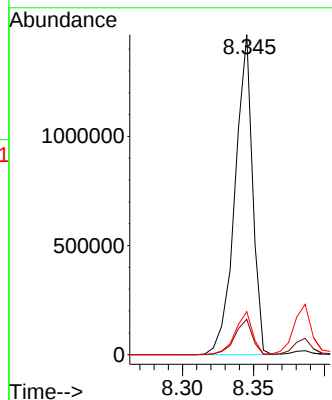
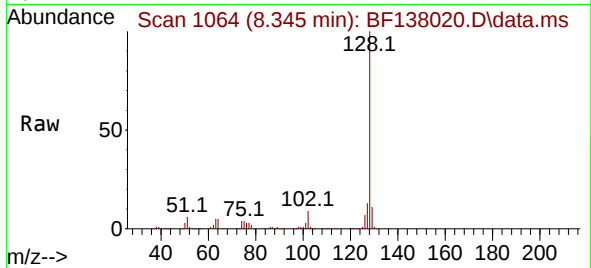




#31  
Naphthalene  
Concen: 39.649 ng  
RT: 8.345 min Scan# 1064  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

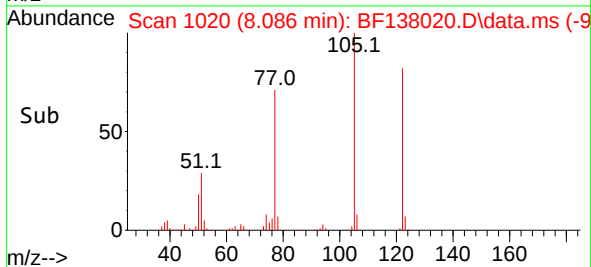
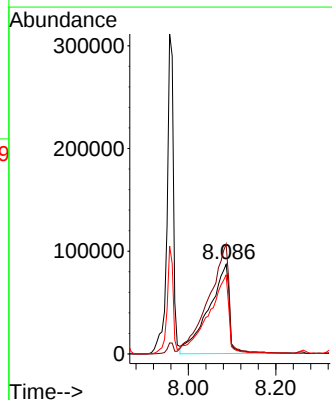
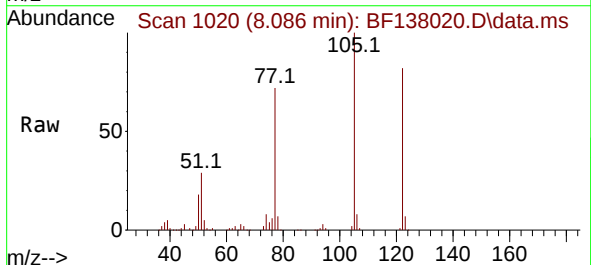
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

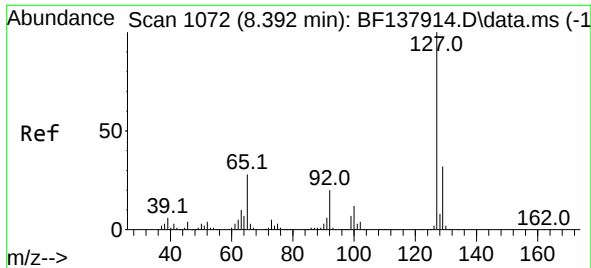
Tgt Ion:128 Resp: 1264611  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.5 10.6 16.0



#32  
Benzoic acid  
Concen: 47.815 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. 0.017 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:122 Resp: 285927  
Ion Ratio Lower Upper  
122 100  
105 122.6 103.8 143.8  
77 88.1 68.4 108.4

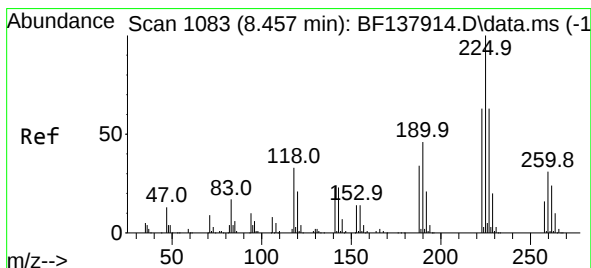
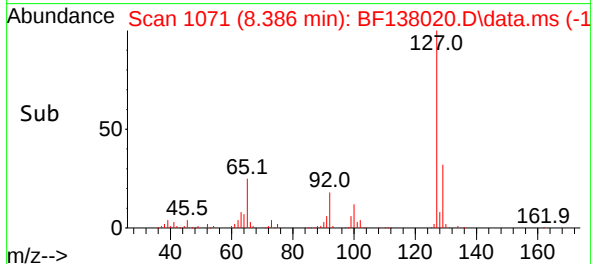
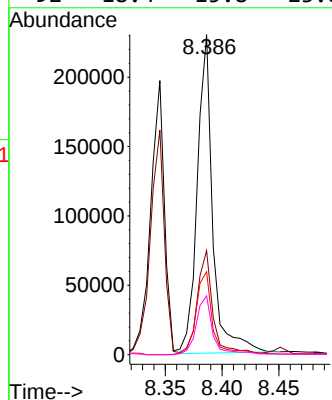
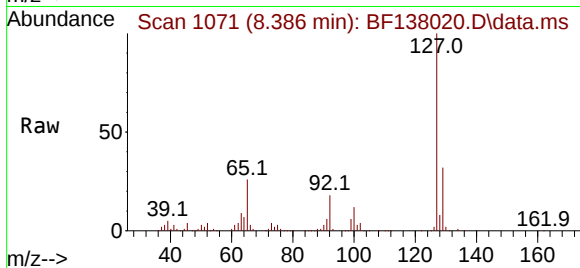




#33  
4-Chloroaniline  
Concen: 20.812 ng  
RT: 8.386 min Scan# 1071  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

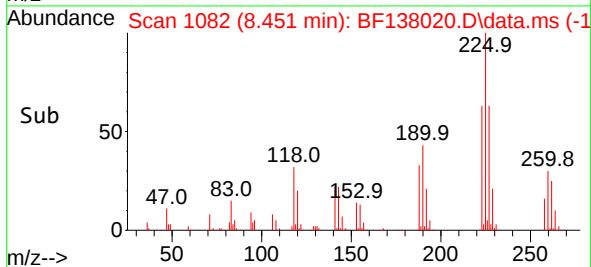
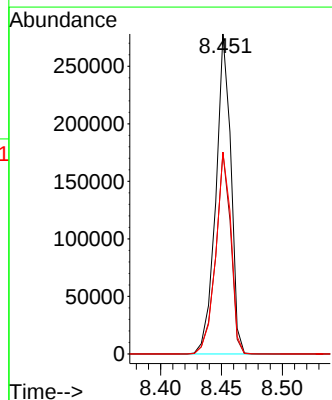
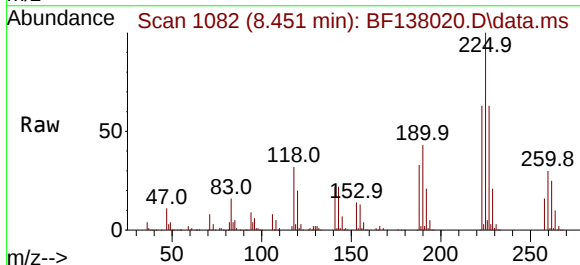
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

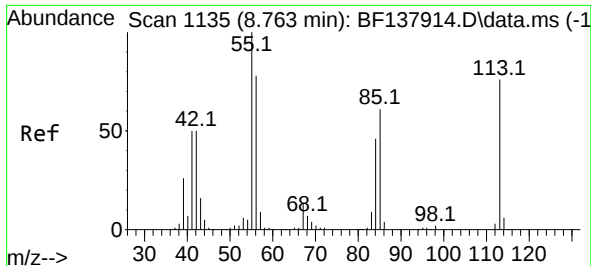
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 217606 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.5  | 25.4  | 38.2   |
| 65       | 25.9  | 22.0  | 33.0   |
| 92       | 18.4  | 15.8  | 23.8   |



#34  
Hexachlorobutadiene  
Concen: 38.091 ng  
RT: 8.451 min Scan# 1082  
Delta R.T. -0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 239465 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.1  | 50.0  | 75.0   |
| 227      | 63.0  | 50.2  | 75.4   |

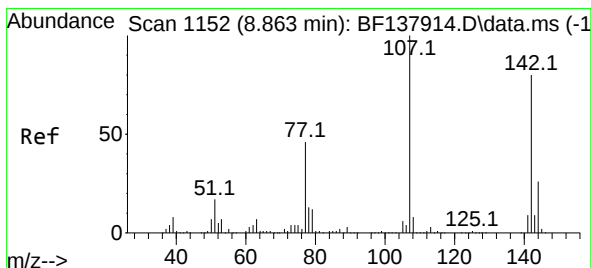
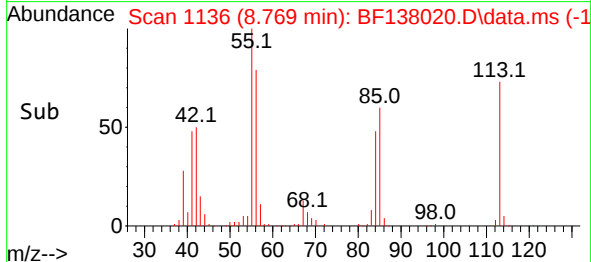
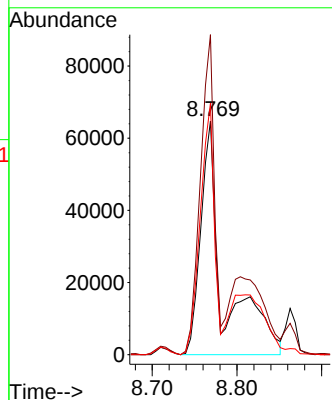
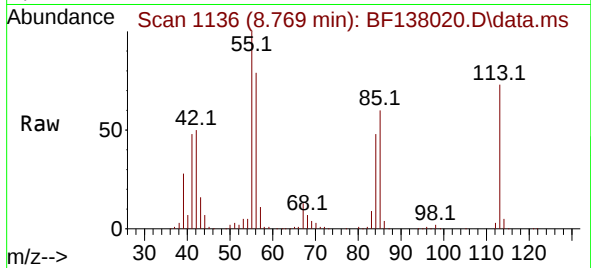




#35  
 Caprolactam  
 Concen: 46.612 ng m  
 RT: 8.769 min Scan# 1135  
 Delta R.T. 0.006 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

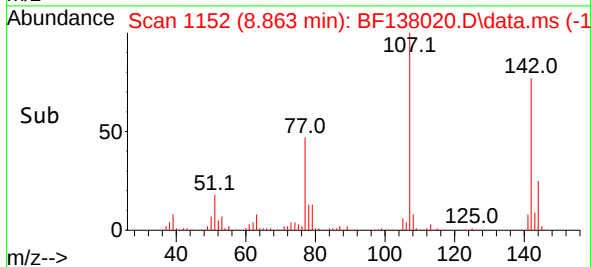
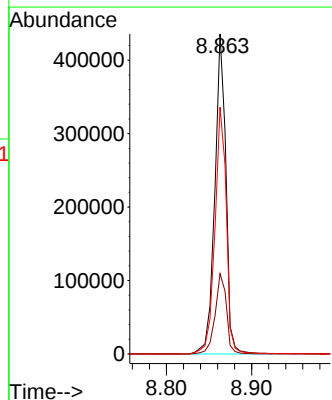
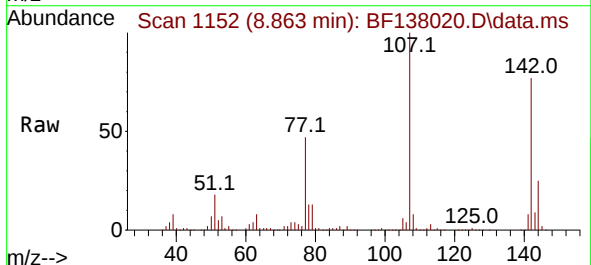
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161055BS

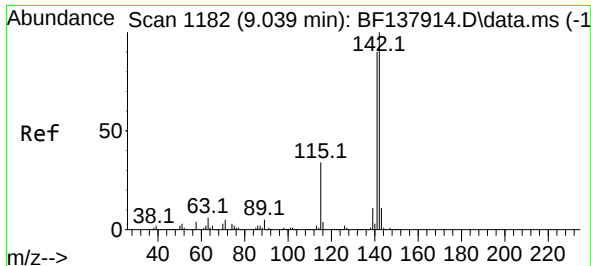
Tgt Ion:113 Resp: 120129  
 Ion Ratio Lower Upper  
 113 100  
 55 137.0 112.3 152.3  
 56 107.5 82.7 122.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.531 ng  
 RT: 8.863 min Scan# 1152  
 Delta R.T. -0.000 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

Tgt Ion:107 Resp: 393917  
 Ion Ratio Lower Upper  
 107 100  
 144 25.1 20.7 31.1  
 142 77.1 64.0 96.0





#37

2-Methylnaphthalene

Concen: 41.293 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

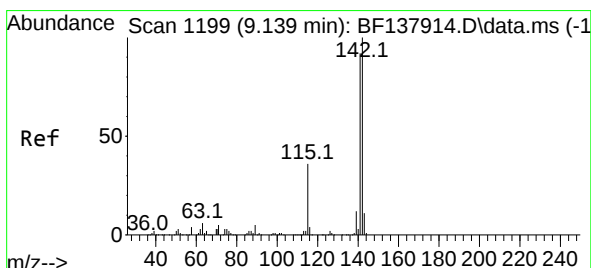
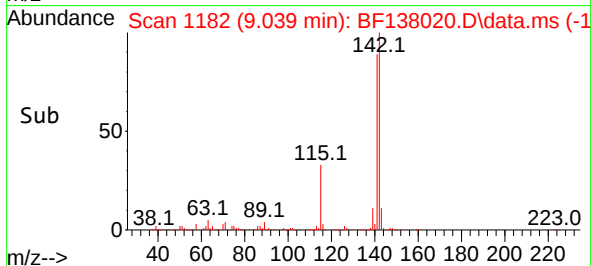
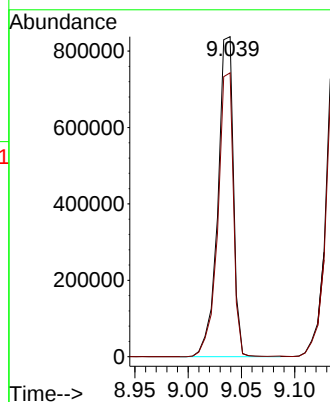
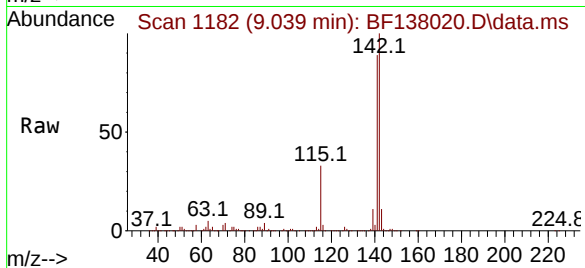
PB161055BS

Tgt Ion:142 Resp: 846609

Ion Ratio Lower Upper

142 100

141 88.7 72.0 108.0



#38

1-Methylnaphthalene

Concen: 39.103 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.000 min

Lab File: BF138020.D

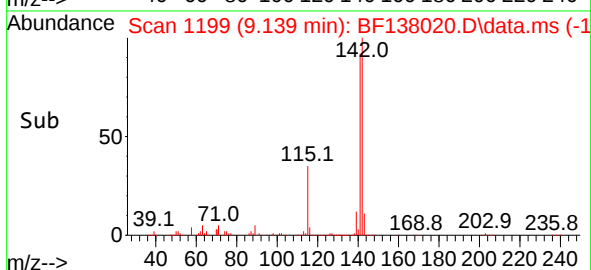
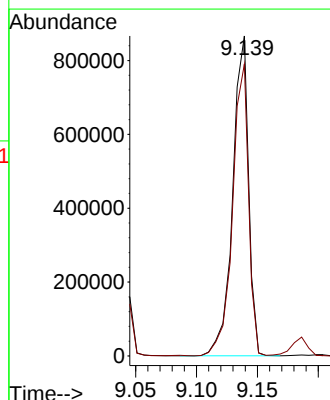
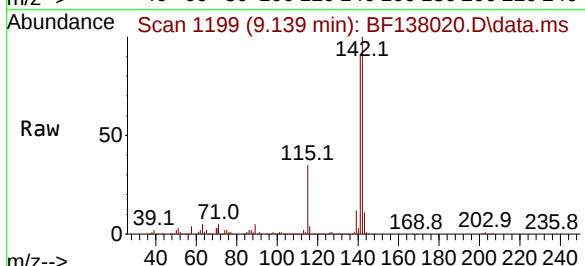
Acq: 23 May 2024 11:21

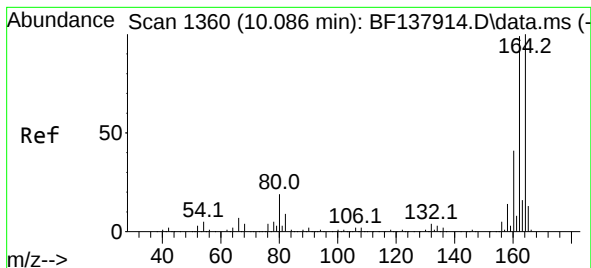
Tgt Ion:142 Resp: 788154

Ion Ratio Lower Upper

142 100

141 91.2 73.7 110.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.086 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

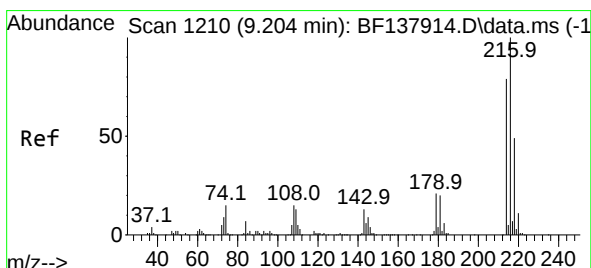
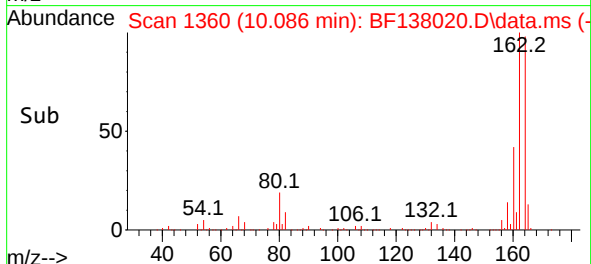
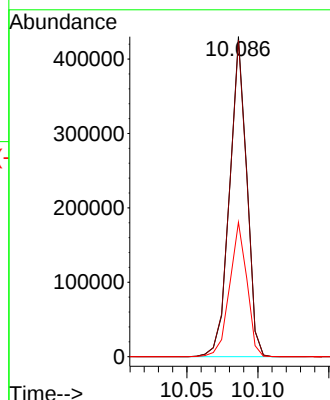
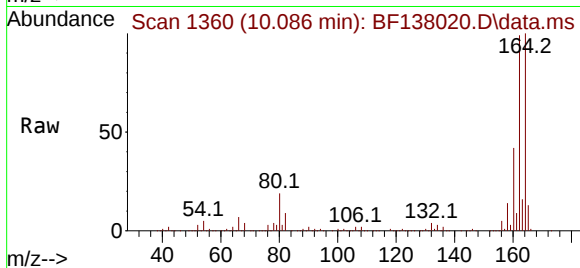
Tgt Ion:164 Resp: 360690

Ion Ratio Lower Upper

164 100

162 98.9 79.4 119.2

160 42.0 33.1 49.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.335 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Tgt Ion:216 Resp: 405322

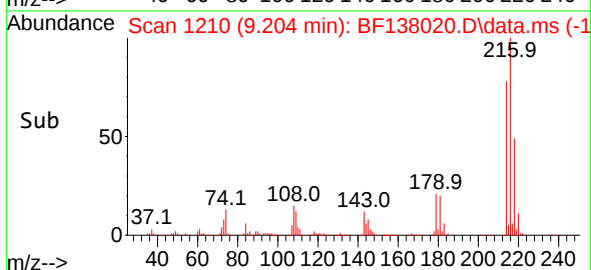
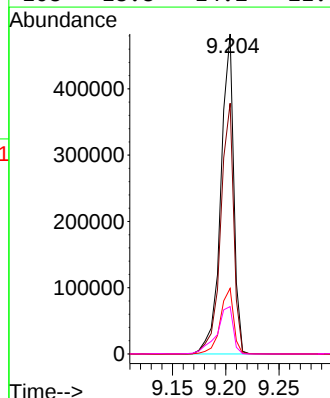
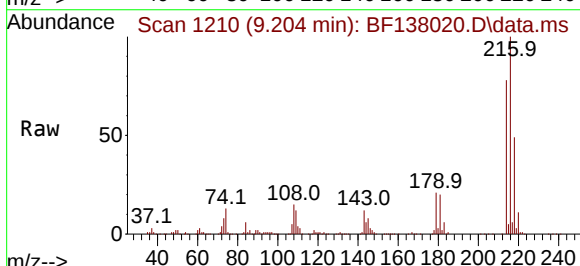
Ion Ratio Lower Upper

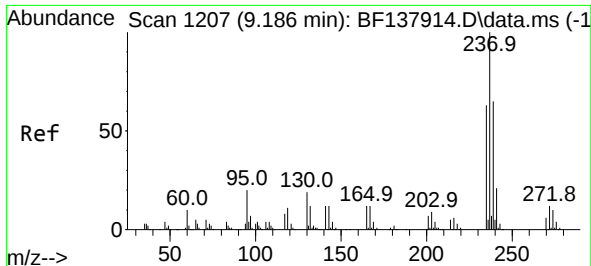
216 100

214 79.1 63.4 95.2

179 21.1 17.0 25.4

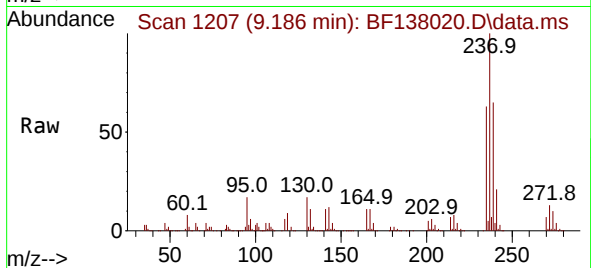
108 18.8 14.2 21.4



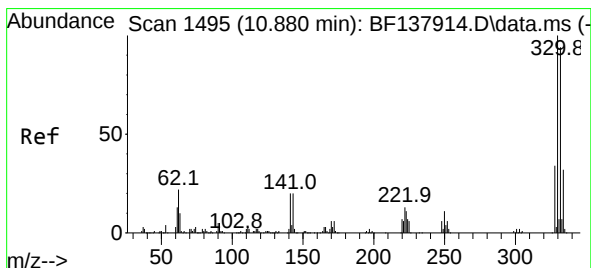
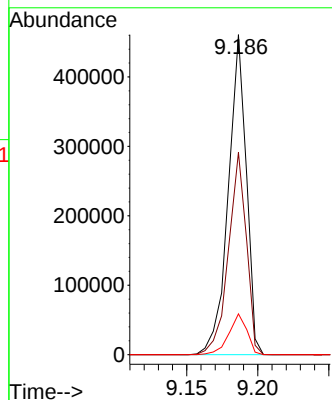
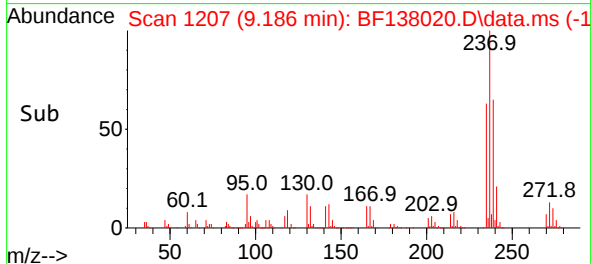


#41  
Hexachlorocyclopentadiene  
Concen: 108.921 ng  
RT: 9.186 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

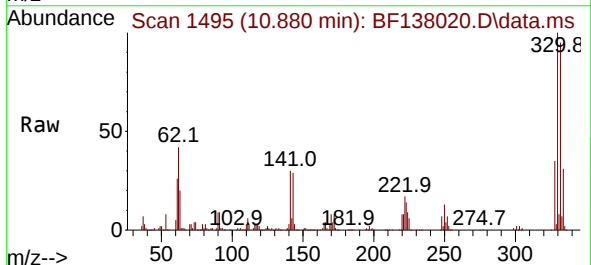
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS



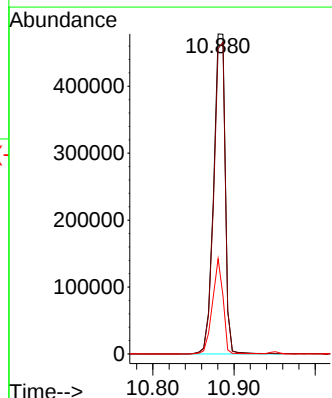
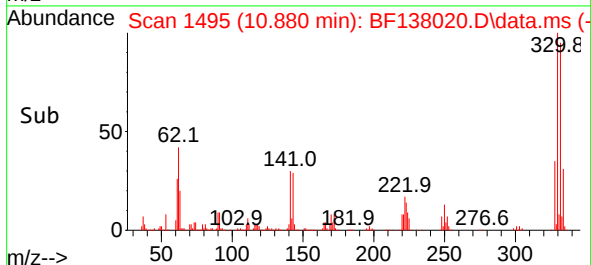
Tgt Ion:237 Resp: 405833  
Ion Ratio Lower Upper  
237 100  
235 63.2 42.8 82.8  
272 12.7 0.0 32.0

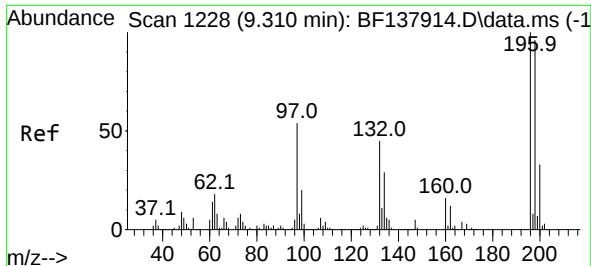


#42  
2,4,6-Tribromophenol  
Concen: 129.990 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21



Tgt Ion:330 Resp: 472751  
Ion Ratio Lower Upper  
330 100  
332 96.5 75.8 113.8  
141 27.1 23.8 35.6

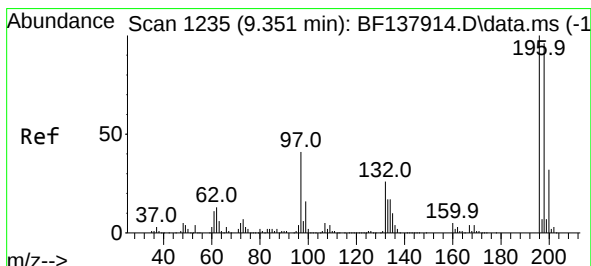
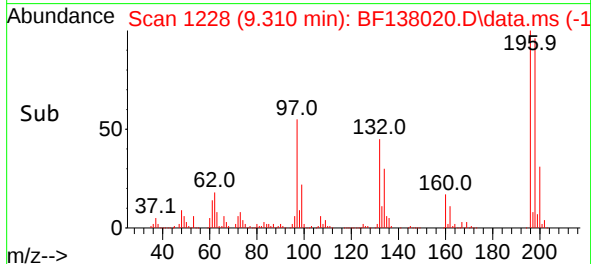
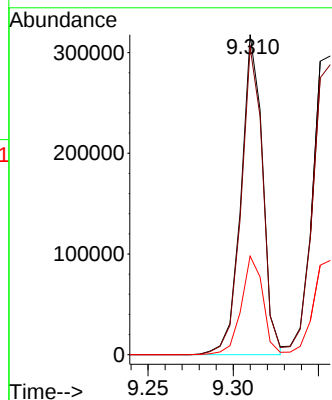
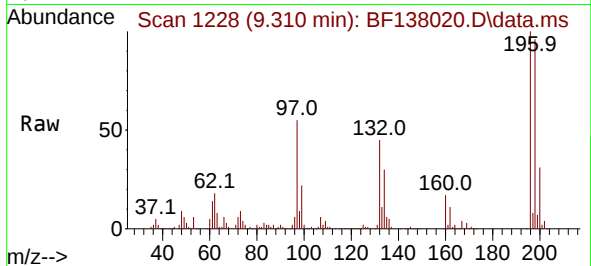




#43  
2,4,6-Trichlorophenol  
Concen: 43.469 ng  
RT: 9.310 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

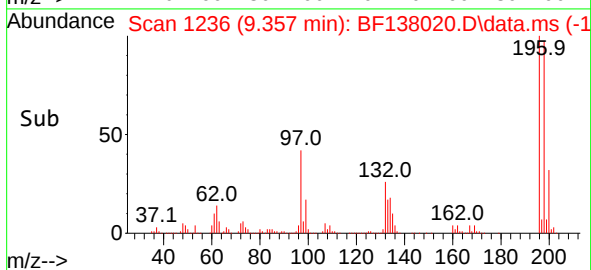
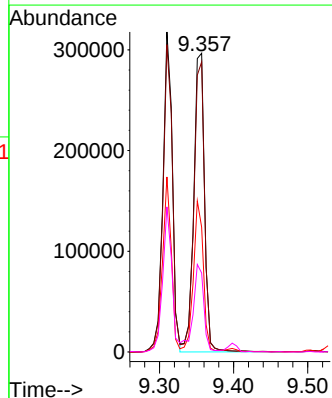
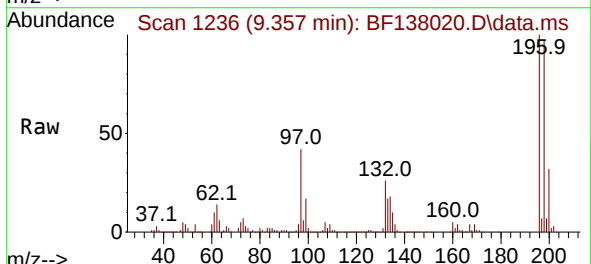
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

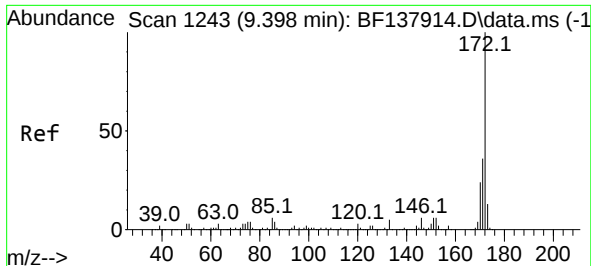
Tgt Ion:196 Resp: 279477  
Ion Ratio Lower Upper  
196 100  
198 96.1 77.0 115.4  
200 30.8 26.2 39.2



#44  
2,4,5-Trichlorophenol  
Concen: 42.498 ng  
RT: 9.357 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:196 Resp: 298965  
Ion Ratio Lower Upper  
196 100  
198 97.1 77.4 116.0  
97 41.8 32.9 49.3  
132 26.5 21.0 31.6





#45

2-Fluorobiphenyl

Concen: 75.887 ng

RT: 9.398 min Scan# 1243

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

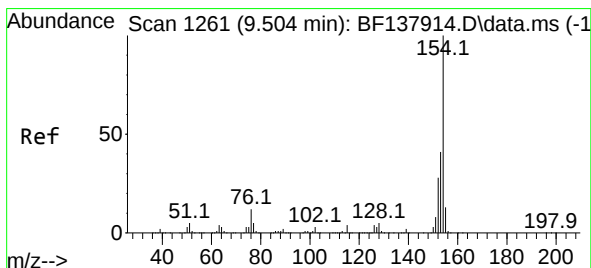
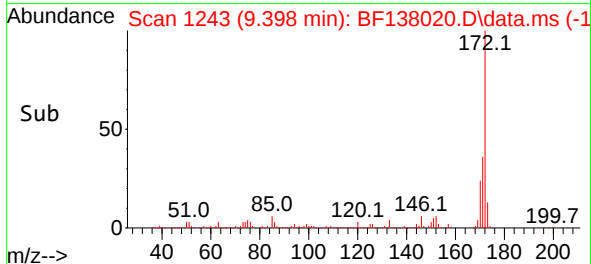
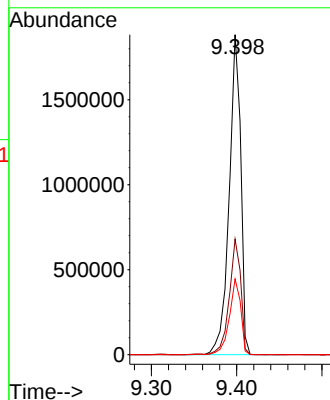
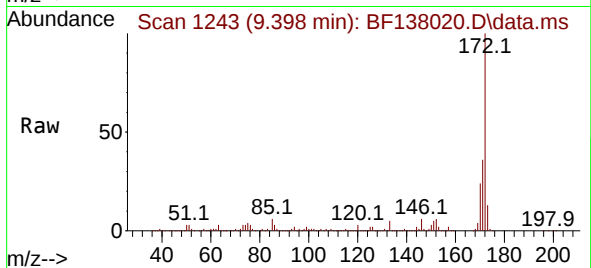
Tgt Ion:172 Resp: 1776940

Ion Ratio Lower Upper

172 100

171 36.1 28.9 43.3

170 23.7 18.9 28.3



#46

1,1'-Biphenyl

Concen: 41.020 ng

RT: 9.504 min Scan# 1261

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

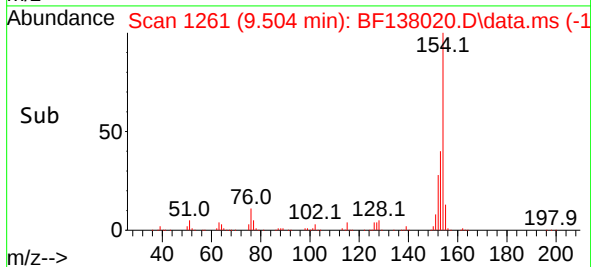
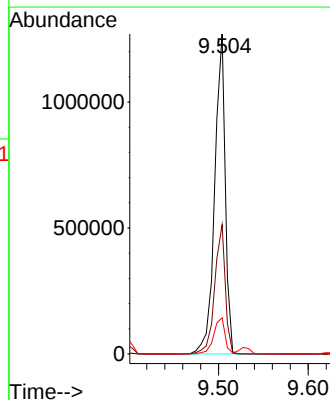
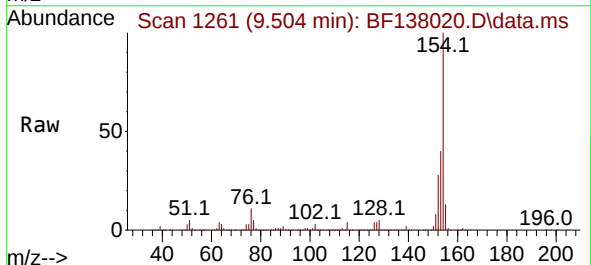
Tgt Ion:154 Resp: 1037740

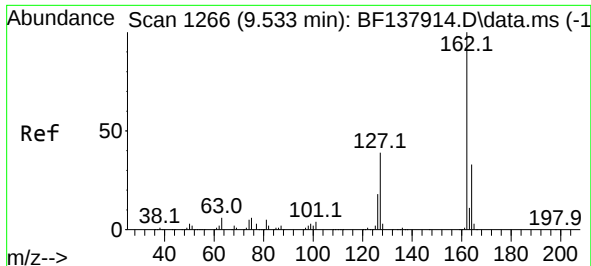
Ion Ratio Lower Upper

154 100

153 40.4 21.3 61.3

76 11.3 0.0 31.9





#47

2-Chloronaphthalene

Concen: 39.930 ng

RT: 9.533 min Scan# 1266

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

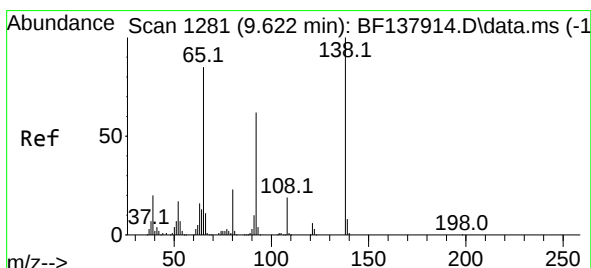
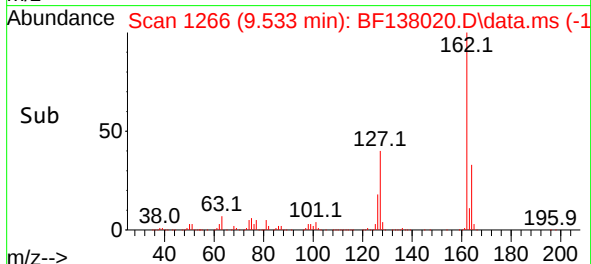
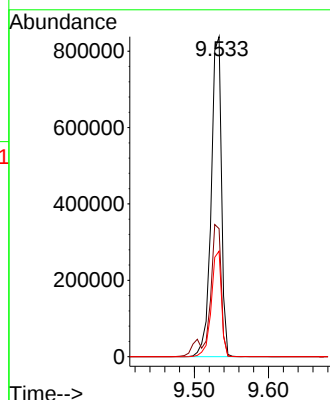
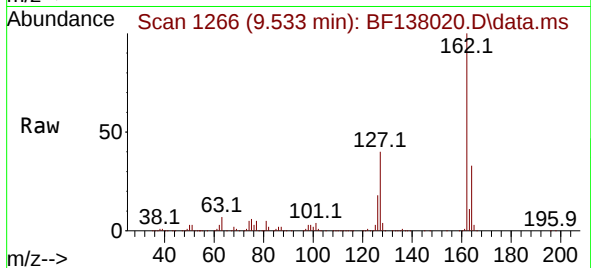
Tgt Ion:162 Resp: 806371

Ion Ratio Lower Upper

162 100

127 40.0 32.0 48.0

164 33.0 26.2 39.4



#48

2-Nitroaniline

Concen: 44.042 ng

RT: 9.627 min Scan# 1282

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

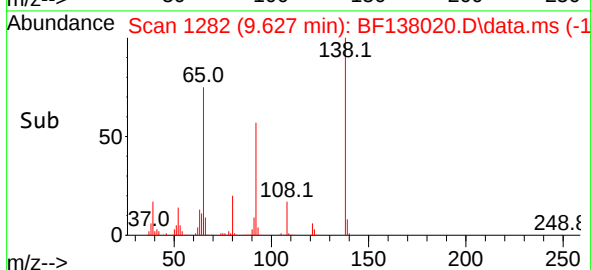
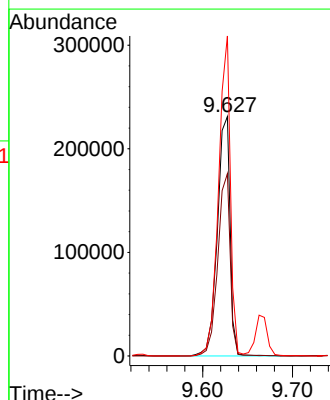
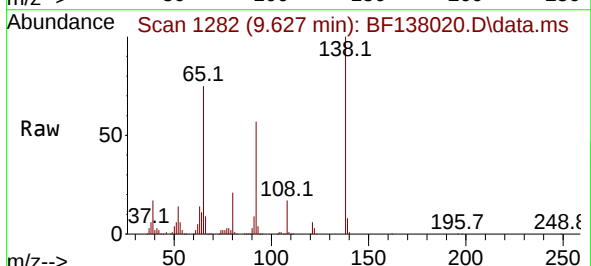
Tgt Ion: 65 Resp: 227759

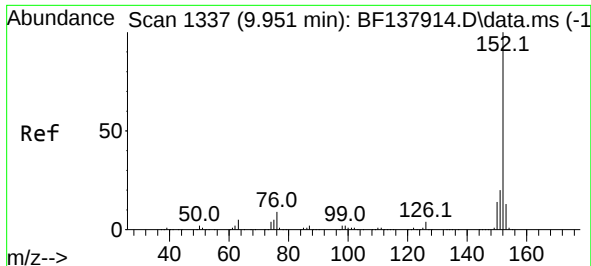
Ion Ratio Lower Upper

65 100

92 76.2 58.6 88.0

138 133.7 94.1 141.1





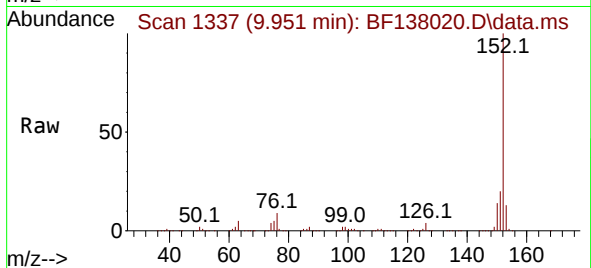
#49  
Acenaphthylene  
Concen: 44.557 ng  
RT: 9.951 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Instrument :

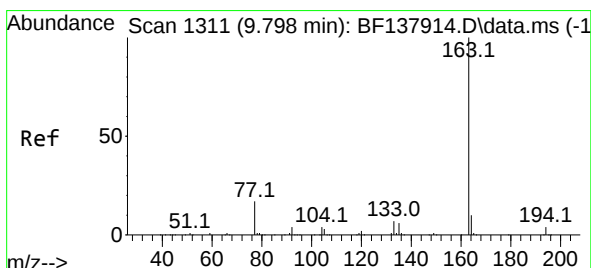
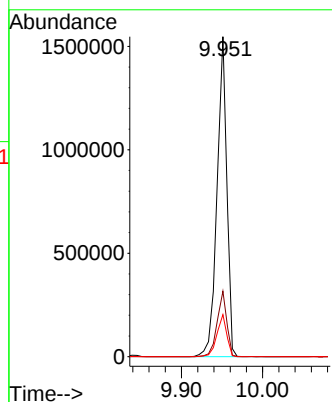
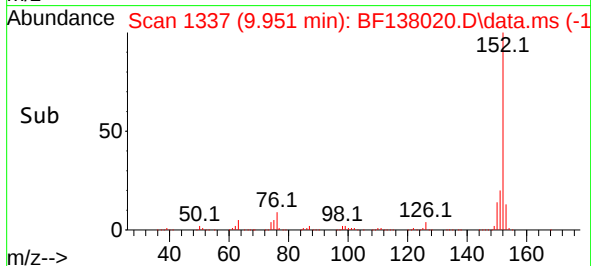
BNA\_F

ClientSampleId :

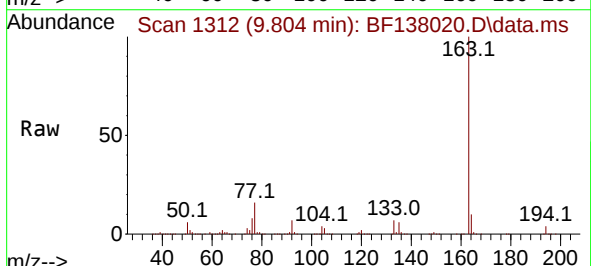
PB161055BS



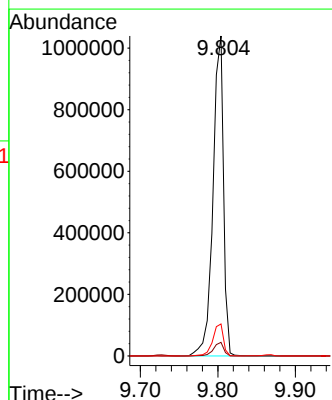
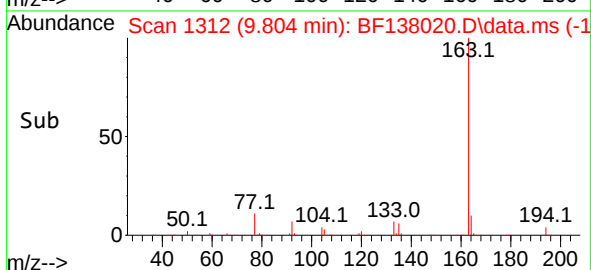
Tgt Ion:152 Resp: 1293817  
Ion Ratio Lower Upper  
152 100  
151 20.4 15.8 23.8  
153 13.1 10.2 15.4

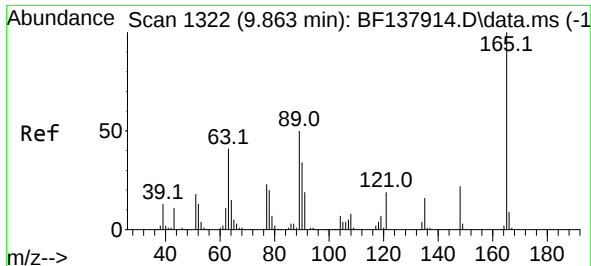


#50  
Dimethylphthalate  
Concen: 43.352 ng  
RT: 9.804 min Scan# 1312  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21



Tgt Ion:163 Resp: 980547  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.4 5.0  
164 10.0 8.0 12.0

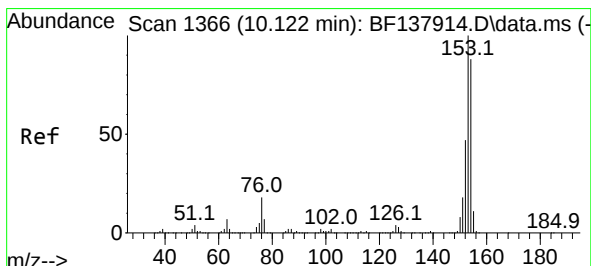
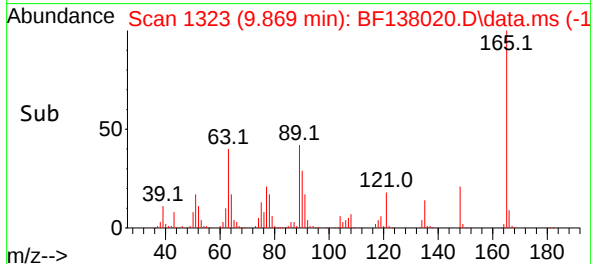
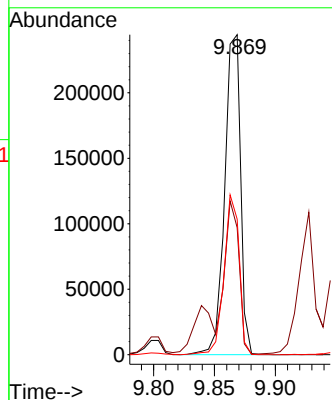
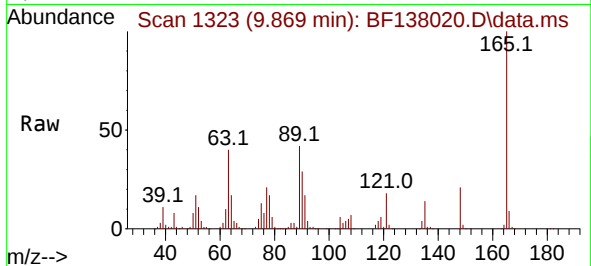




#51  
2,6-Dinitrotoluene  
Concen: 42.826 ng  
RT: 9.869 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

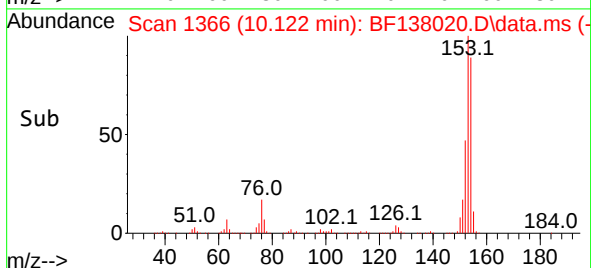
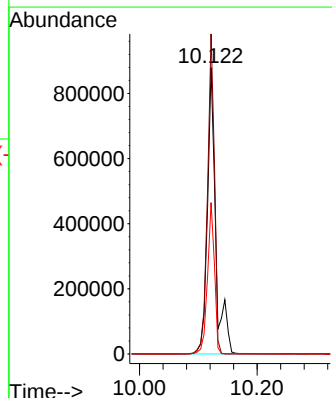
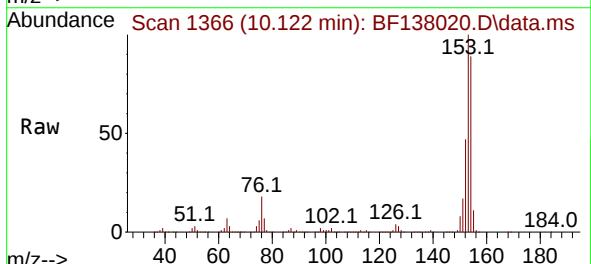
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

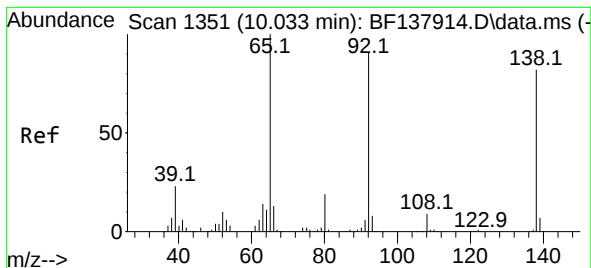
Tgt Ion:165 Resp: 222315  
Ion Ratio Lower Upper  
165 100  
63 39.7 38.9 58.3  
89 42.3 40.4 60.6



#52  
Acenaphthene  
Concen: 45.329 ng  
RT: 10.122 min Scan# 1366  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:154 Resp: 869950  
Ion Ratio Lower Upper  
154 100  
153 111.7 90.4 135.6  
152 52.9 42.3 63.5

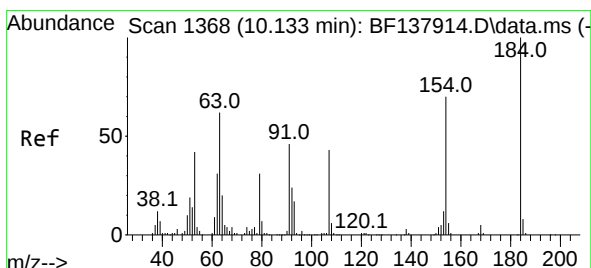
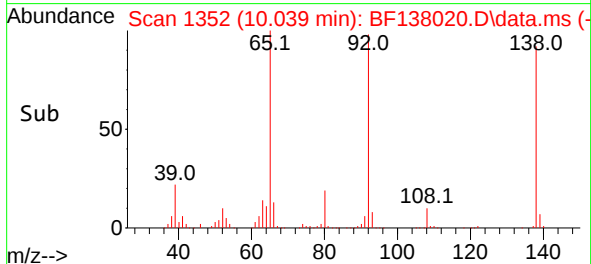
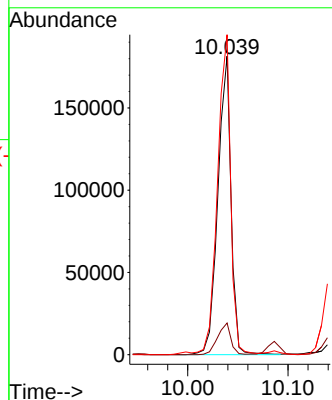
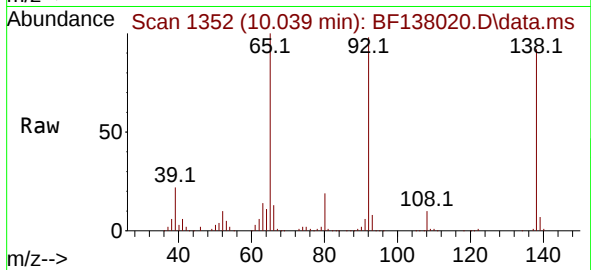




#53  
3-Nitroaniline  
Concen: 32.473 ng  
RT: 10.039 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

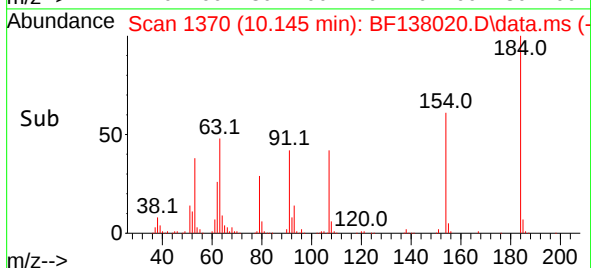
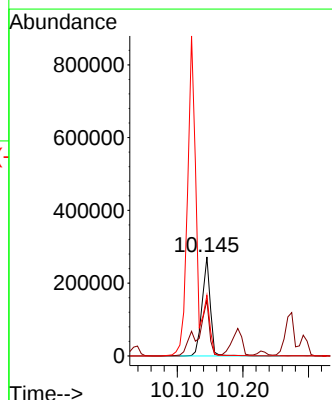
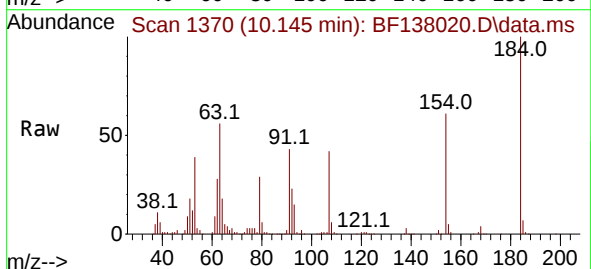
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

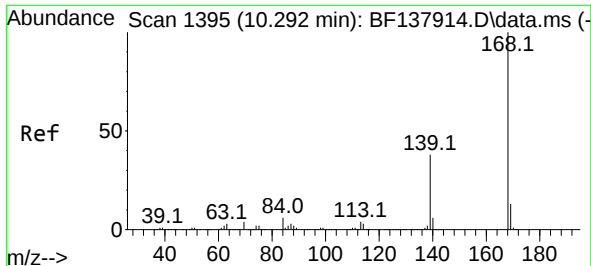
Tgt Ion:138 Resp: 164799  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.8 13.2  
92 107.2 88.6 133.0



#54  
2,4-Dinitrophenol  
Concen: 84.588 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. 0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:184 Resp: 238454  
Ion Ratio Lower Upper  
184 100  
63 56.2 50.4 75.6  
154 61.3 63.7 95.5#

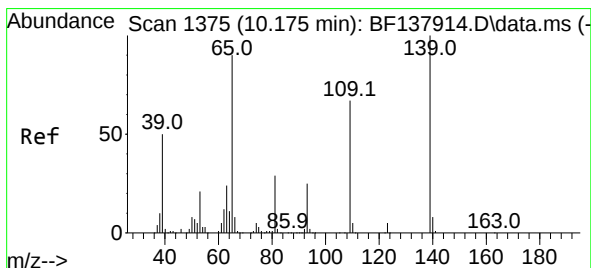
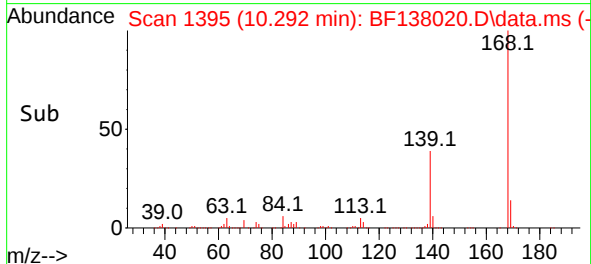
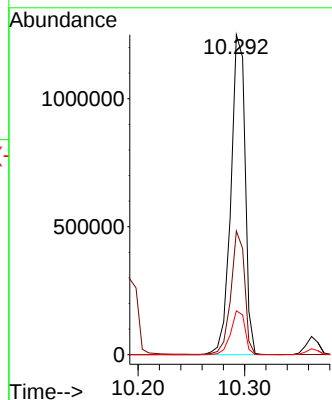
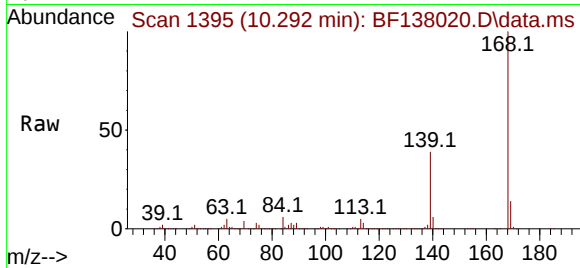




#55  
Dibenzofuran  
Concen: 41.622 ng  
RT: 10.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

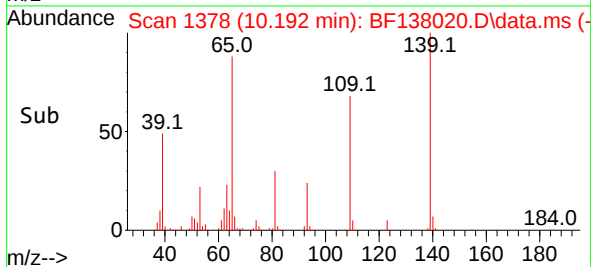
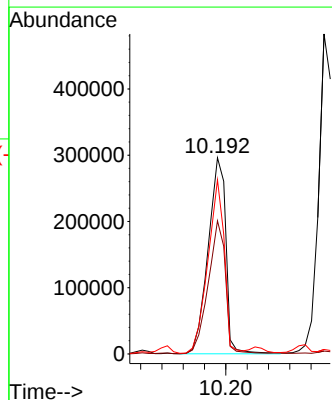
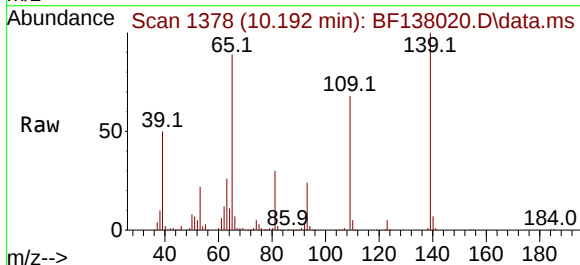
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

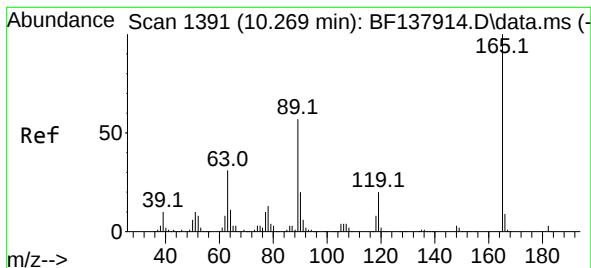
Tgt Ion:168 Resp: 1162551  
Ion Ratio Lower Upper  
168 100  
139 38.6 30.4 45.6  
169 13.7 10.5 15.7



#56  
4-Nitrophenol  
Concen: 93.639 ng  
RT: 10.192 min Scan# 1378  
Delta R.T. 0.018 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:139 Resp: 341312  
Ion Ratio Lower Upper  
139 100  
109 67.9 46.5 86.5  
65 88.7 70.4 110.4

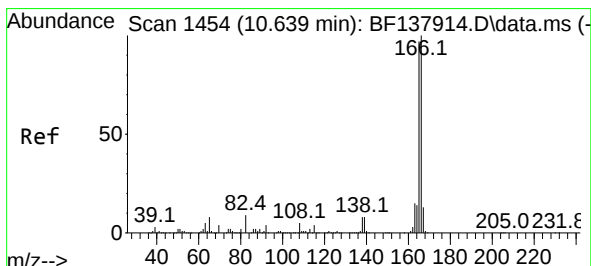
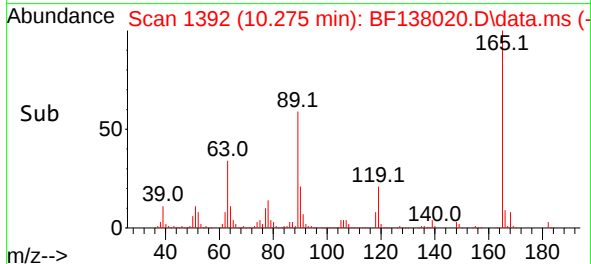
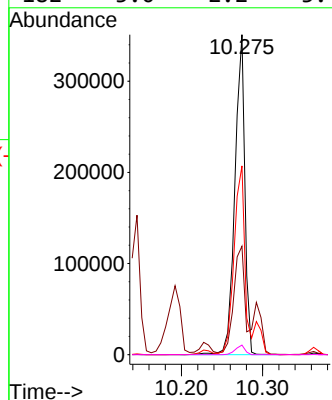
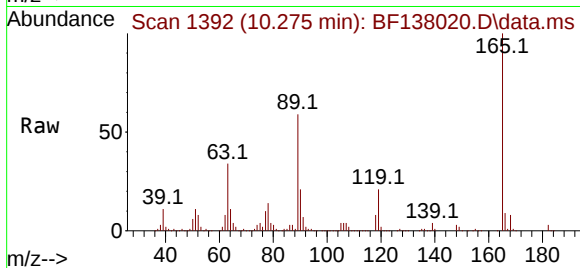




#57  
2,4-Dinitrotoluene  
Concen: 44.554 ng  
RT: 10.275 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

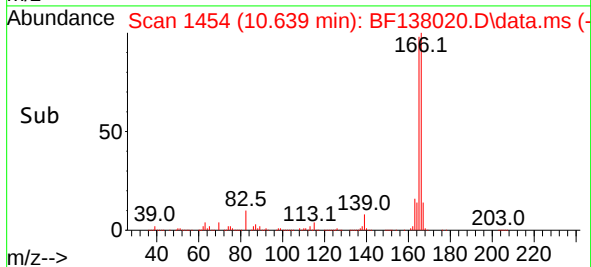
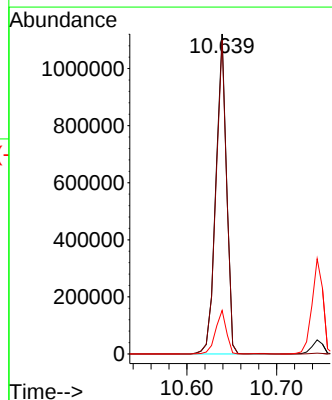
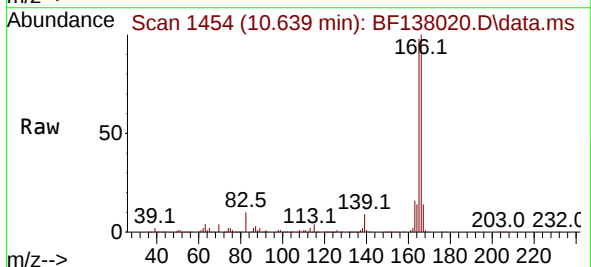
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

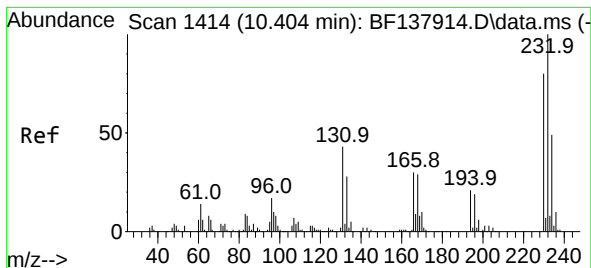
Tgt Ion:165 Resp: 299004  
Ion Ratio Lower Upper  
165 100  
63 33.9 25.3 37.9  
89 59.0 45.9 68.9  
182 3.0 2.2 3.4



#58  
Fluorene  
Concen: 41.842 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:166 Resp: 924382  
Ion Ratio Lower Upper  
166 100  
165 98.2 77.8 116.8  
167 13.6 10.4 15.6

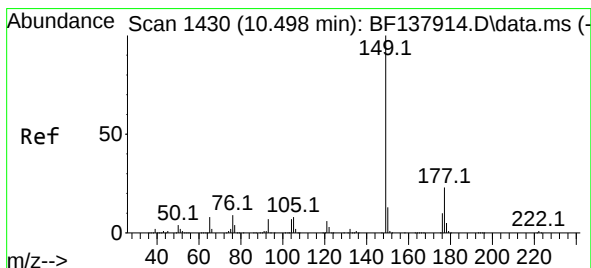
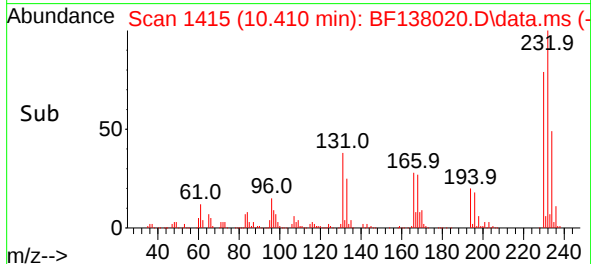
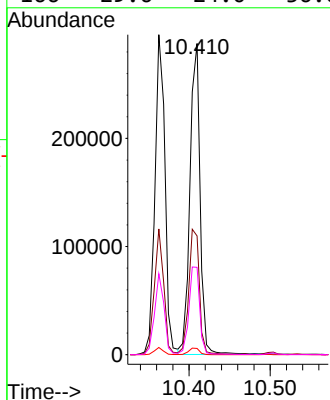
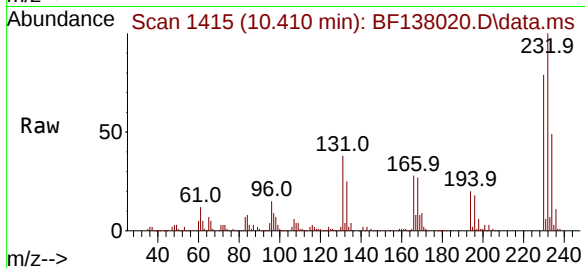




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.453 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

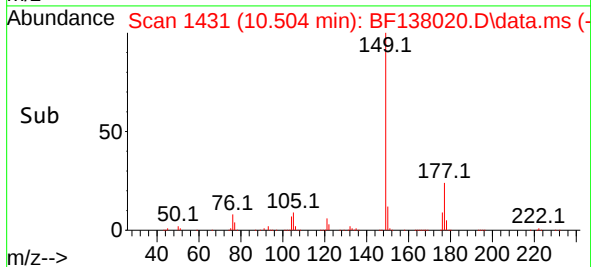
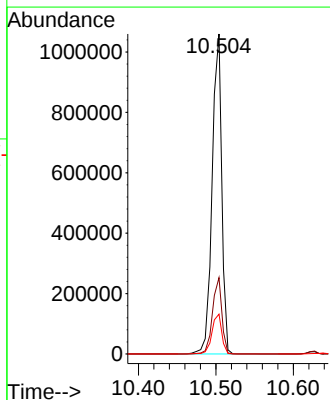
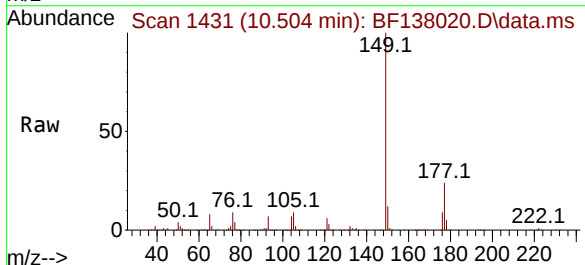
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

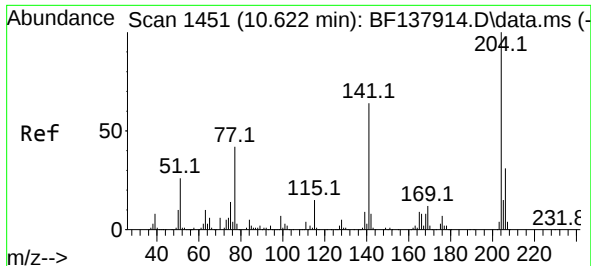
Tgt Ion:232 Resp: 251192  
Ion Ratio Lower Upper  
232 100  
131 41.7 34.4 51.6  
130 2.2 1.7 2.5  
166 29.6 24.0 36.0



#60  
Diethylphthalate  
Concen: 43.222 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:149 Resp: 913024  
Ion Ratio Lower Upper  
149 100  
177 23.9 18.4 27.6  
150 12.4 10.1 15.1

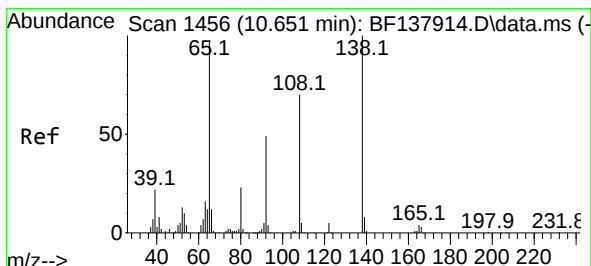
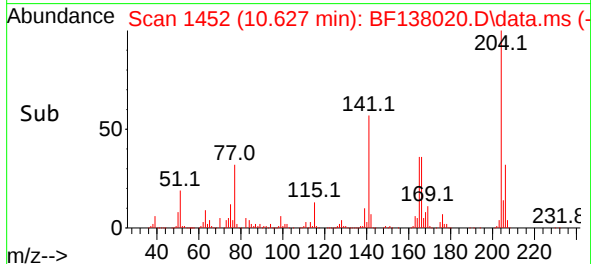
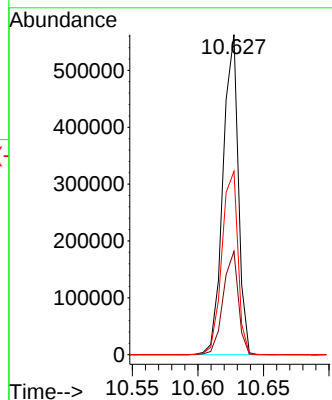
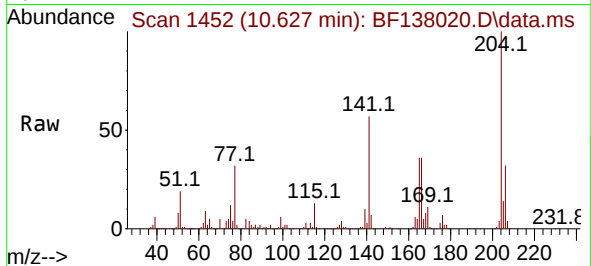




#61  
4-Chlorophenyl-phenylether  
Concen: 41.846 ng  
RT: 10.627 min Scan# 1451  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

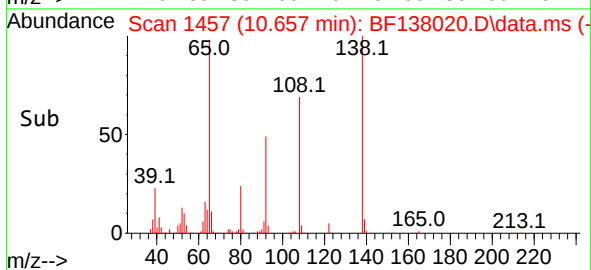
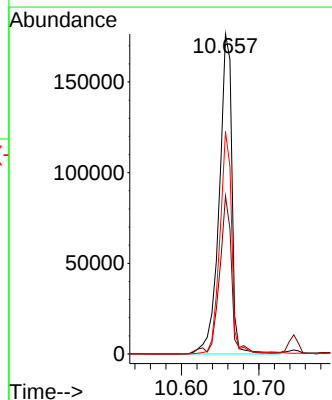
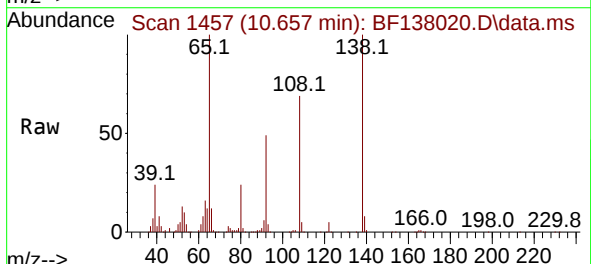
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

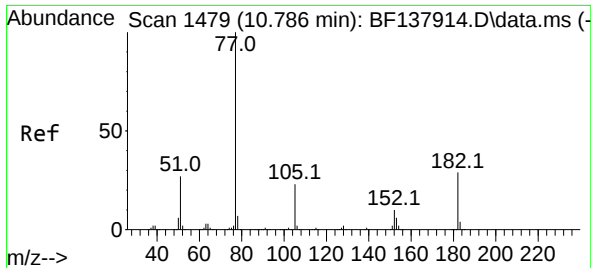
Tgt Ion:204 Resp: 455912  
Ion Ratio Lower Upper  
204 100  
206 32.3 25.1 37.7  
141 57.3 51.0 76.6



#62  
4-Nitroaniline  
Concen: 42.104 ng  
RT: 10.657 min Scan# 1457  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:138 Resp: 202663  
Ion Ratio Lower Upper  
138 100  
92 49.3 29.0 69.0  
108 69.5 49.7 89.7

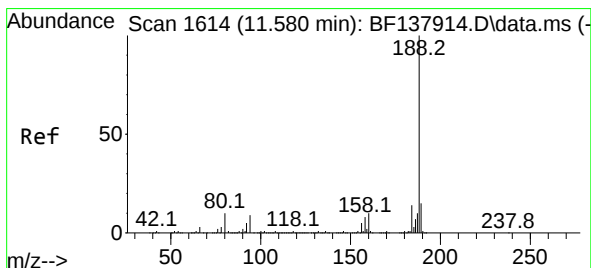
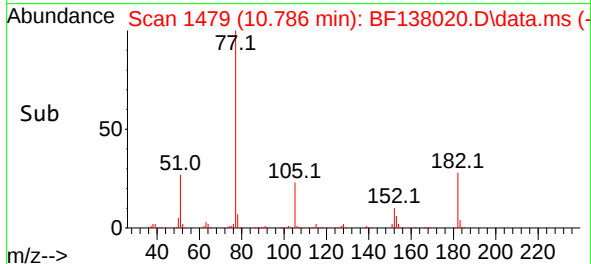
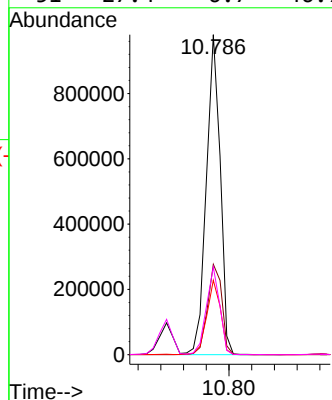
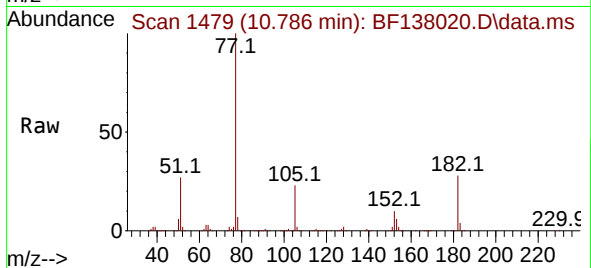




#63  
Azobenzene  
Concen: 43.056 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

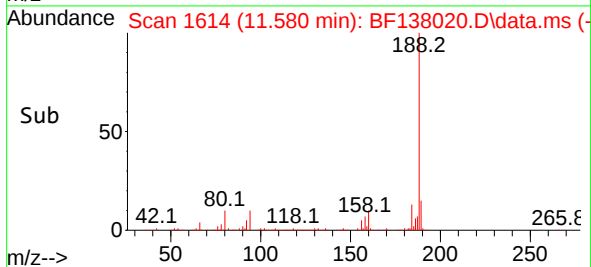
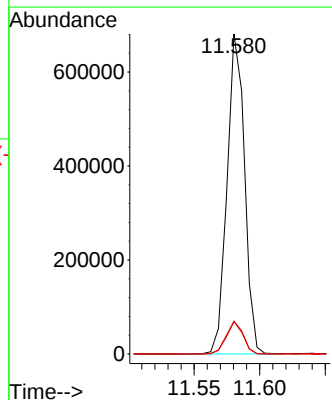
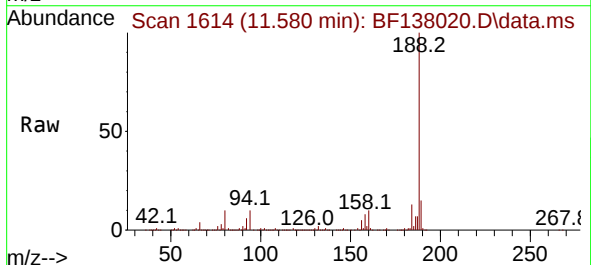
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

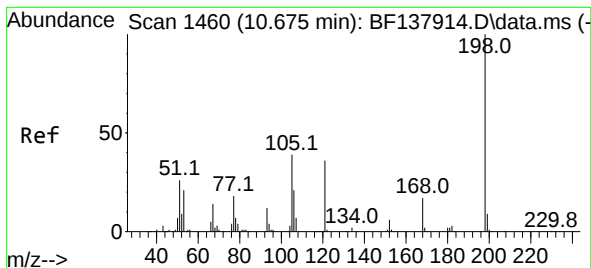
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 827285 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 28.2  | 9.2   | 49.2   |
| 105      | 23.3  | 3.1   | 43.1   |
| 51       | 27.4  | 6.7   | 46.7   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.580 min Scan# 1614  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 631196 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 10.1  | 7.0   | 10.4   |
| 80       | 10.2  | 7.7   | 11.5   |

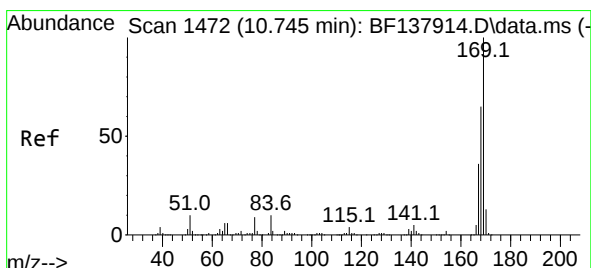
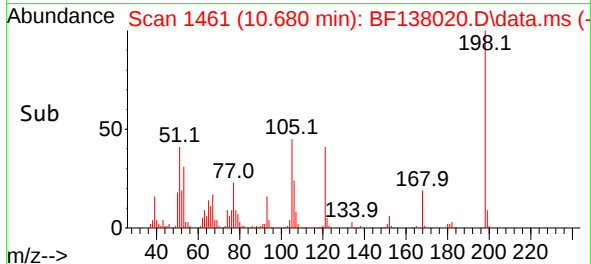
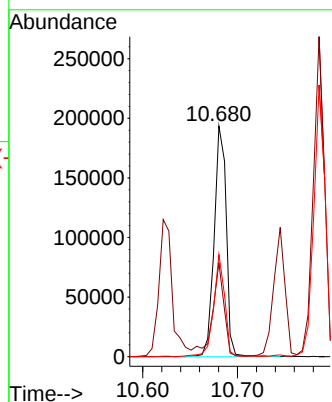
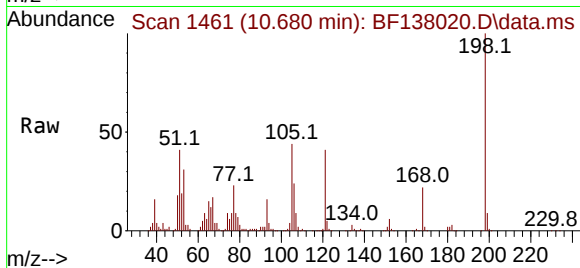




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.806 ng  
RT: 10.680 min Scan# 1460  
Delta R.T. 0.005 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

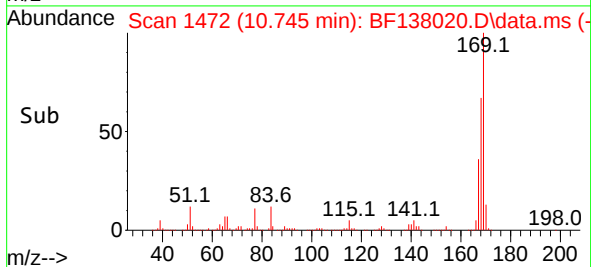
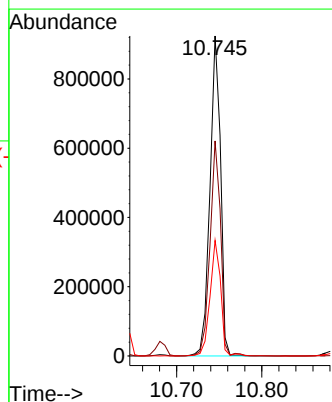
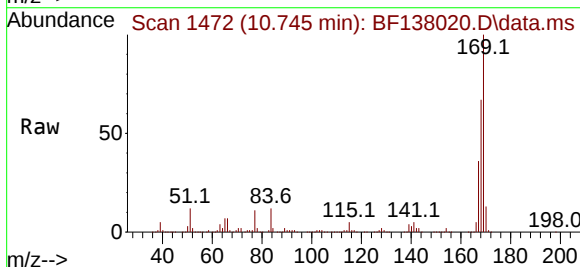
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

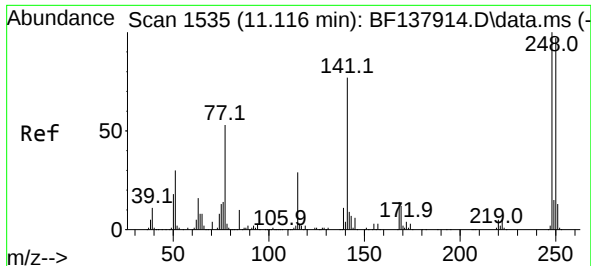
Tgt Ion:198 Resp: 170587  
Ion Ratio Lower Upper  
198 100  
51 40.6 13.8 53.8  
105 44.3 19.0 59.0



#66  
n-Nitrosodiphenylamine  
Concen: 41.087 ng  
RT: 10.745 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:169 Resp: 795314  
Ion Ratio Lower Upper  
169 100  
168 67.2 52.4 78.6  
167 36.1 28.9 43.3

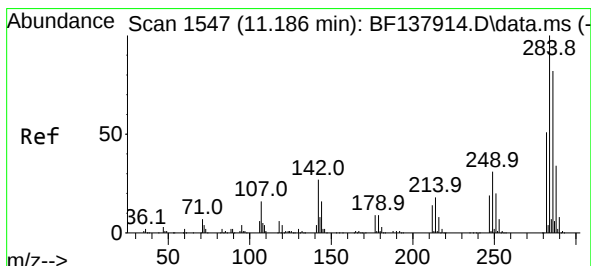
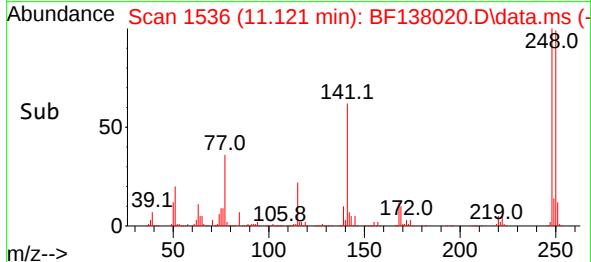
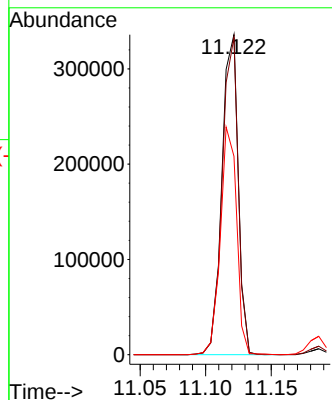
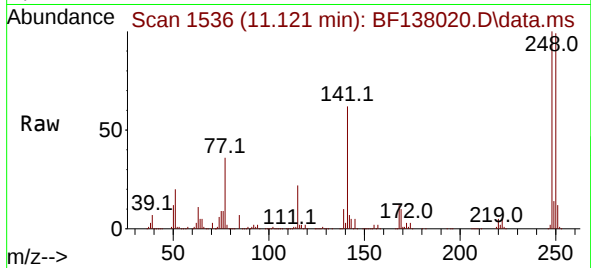




#67  
4-Bromophenyl-phenylether  
Concen: 41.878 ng  
RT: 11.121 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

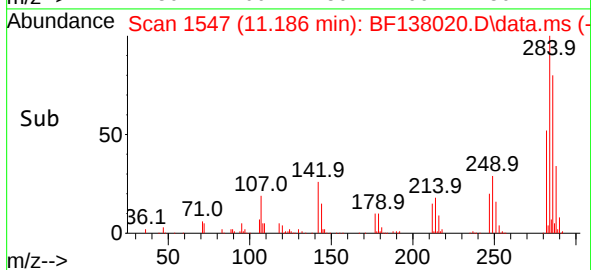
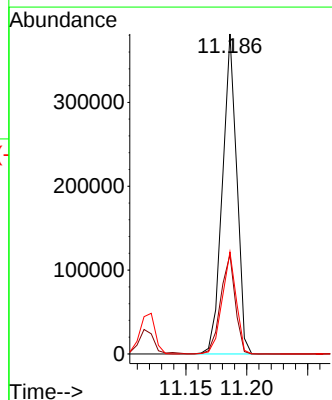
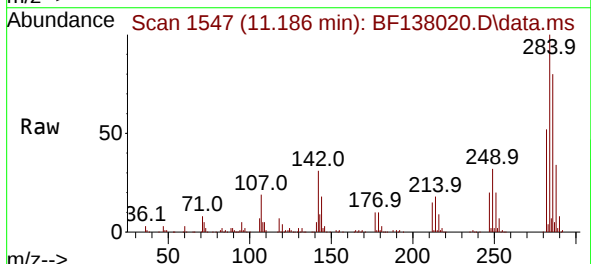
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BNA\_F  
ClientSampleId :  
PB161055BS

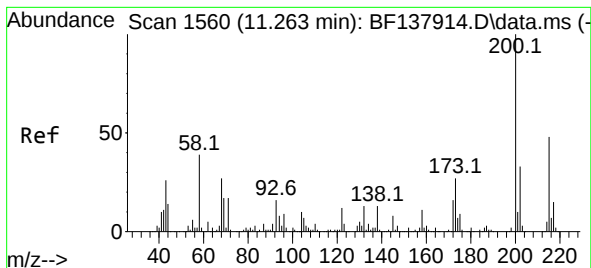
Tgt Ion:248 Resp: 289784  
Ion Ratio Lower Upper  
248 100  
250 99.1 77.6 116.4  
141 62.0 61.4 92.2



#68  
Hexachlorobenzene  
Concen: 40.813 ng  
RT: 11.186 min Scan# 1547  
Delta R.T. -0.000 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:284 Resp: 312178  
Ion Ratio Lower Upper  
284 100  
142 31.1 21.3 31.9  
249 31.9 24.6 37.0





#69

Atrazine

Concen: 51.819 ng

RT: 11.269 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

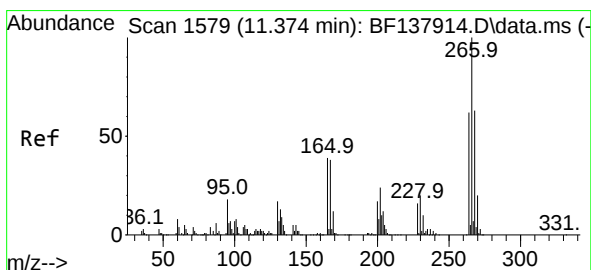
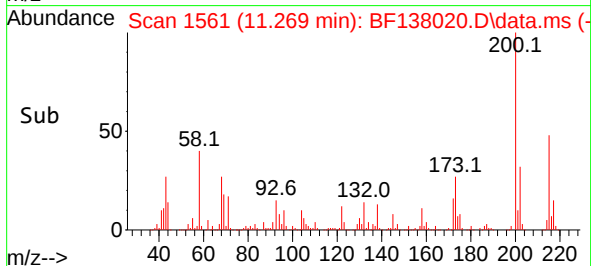
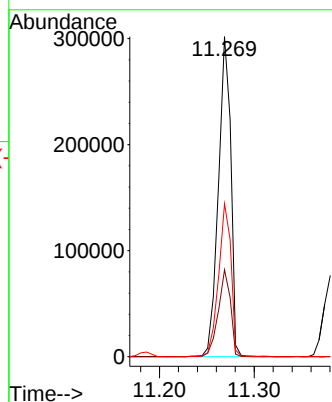
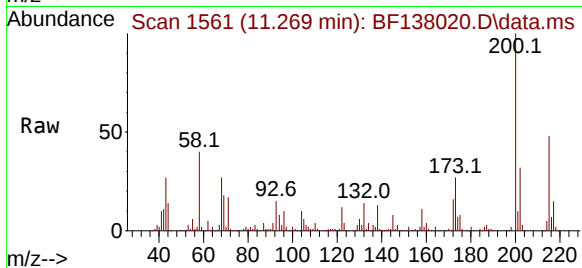
Tgt Ion:200 Resp: 273898

Ion Ratio Lower Upper

200 100

173 27.1 6.6 46.6

215 47.8 27.5 67.5



#70

Pentachlorophenol

Concen: 83.467 ng

RT: 11.380 min Scan# 1580

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

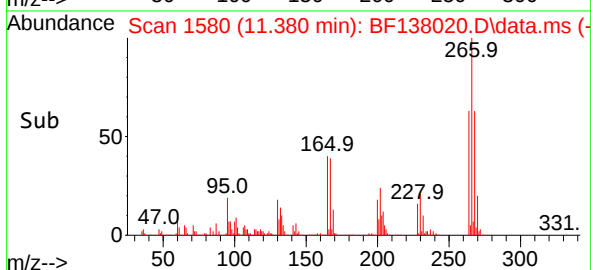
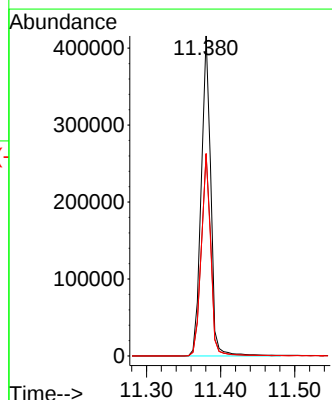
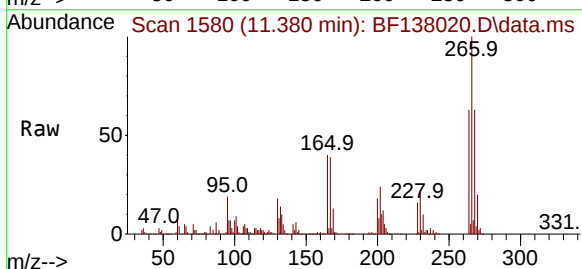
Tgt Ion:266 Resp: 373973

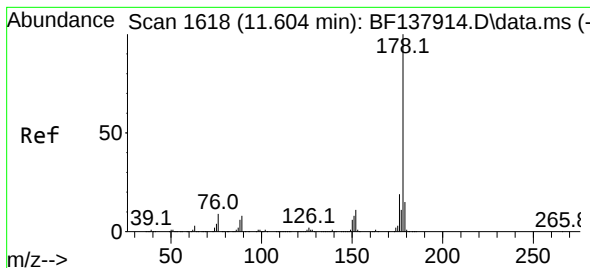
Ion Ratio Lower Upper

266 100

268 63.1 50.1 75.1

264 63.3 49.4 74.2





#71

Phenanthrene

Concen: 41.560 ng

RT: 11.610 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

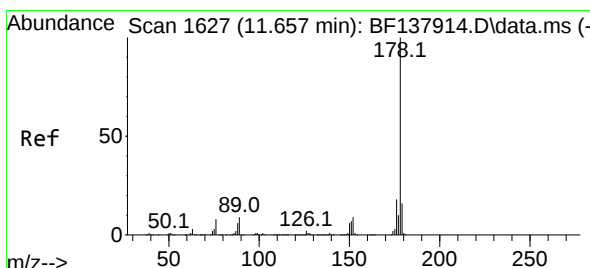
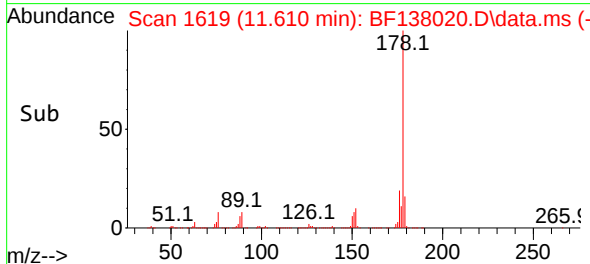
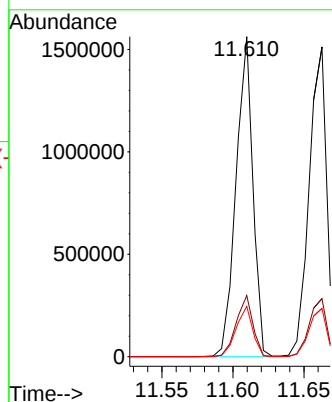
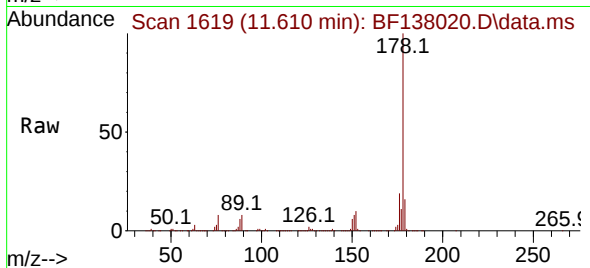
Tgt Ion:178 Resp: 1292715

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.7 12.2 18.4



#72

Anthracene

Concen: 42.243 ng

RT: 11.663 min Scan# 1628

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

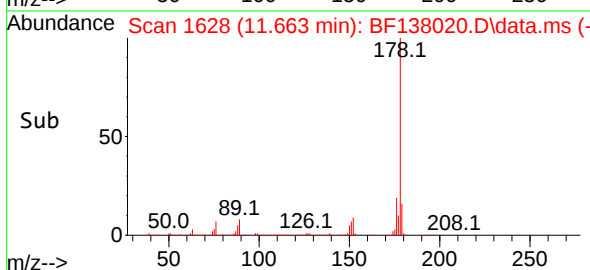
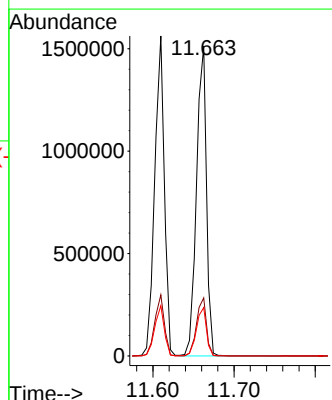
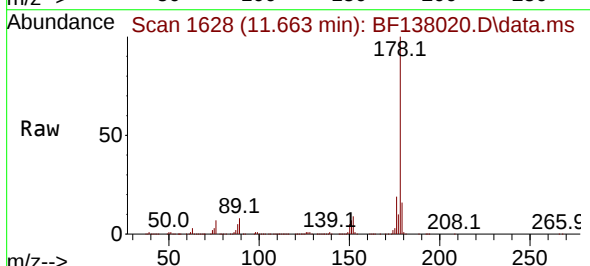
Tgt Ion:178 Resp: 1303690

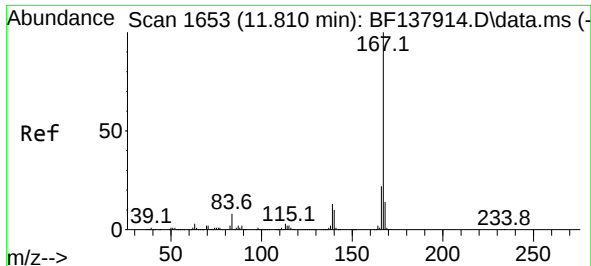
Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.6 12.4 18.6

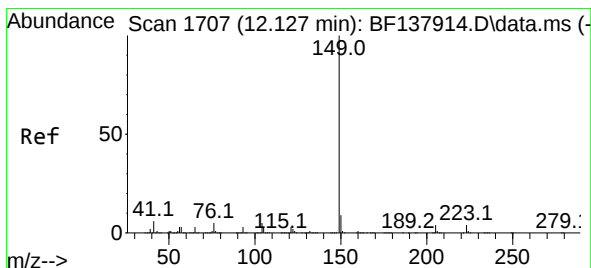
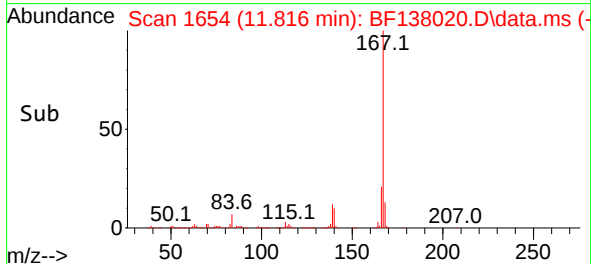
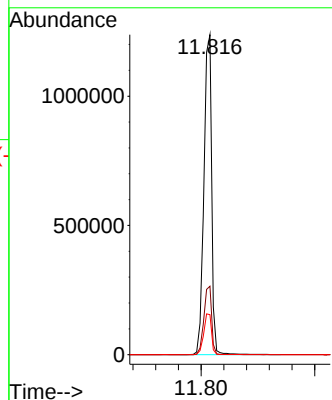
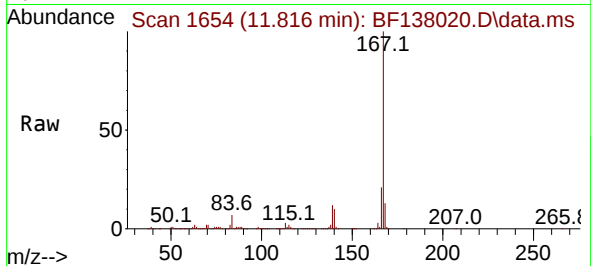




#73  
 Carbazole  
 Concen: 41.567 ng  
 RT: 11.816 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

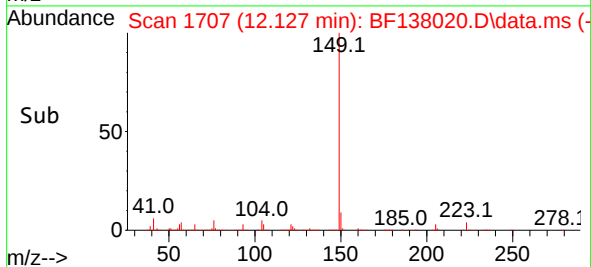
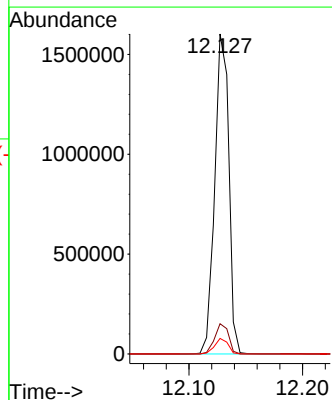
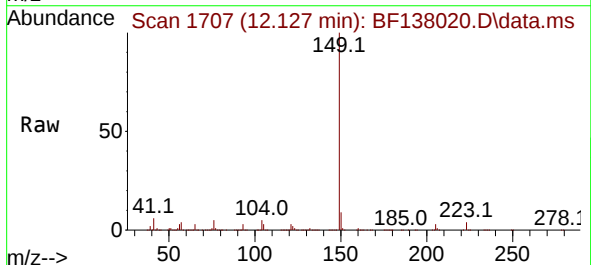
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB161055BS

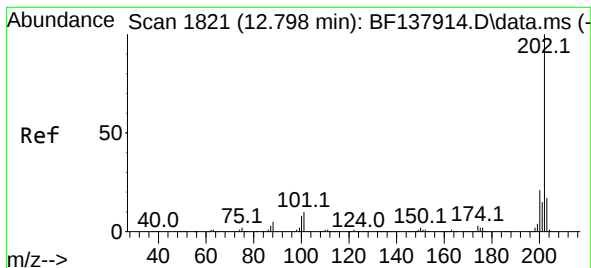
Tgt Ion:167 Resp: 1171864  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.3 25.9  
 139 12.5 10.3 15.5



#74  
 Di-n-butylphthalate  
 Concen: 44.067 ng  
 RT: 12.127 min Scan# 1707  
 Delta R.T. -0.000 min  
 Lab File: BF138020.D  
 Acq: 23 May 2024 11:21

Tgt Ion:149 Resp: 1378707  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.4 11.2  
 104 4.9 3.6 5.4





#75

Fluoranthene

Concen: 41.365 ng

RT: 12.804 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

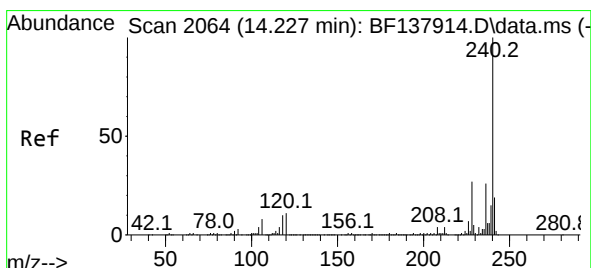
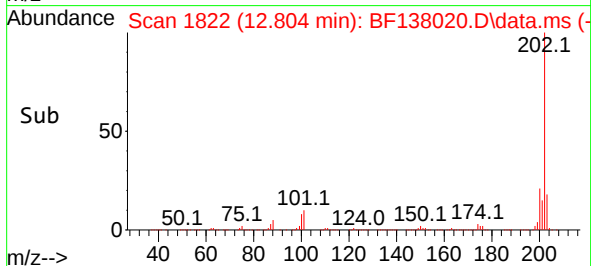
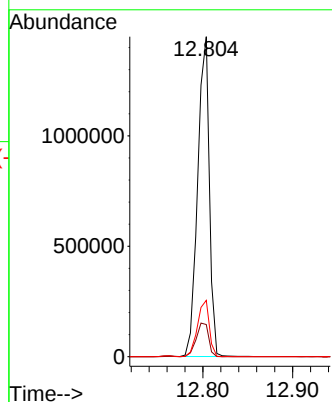
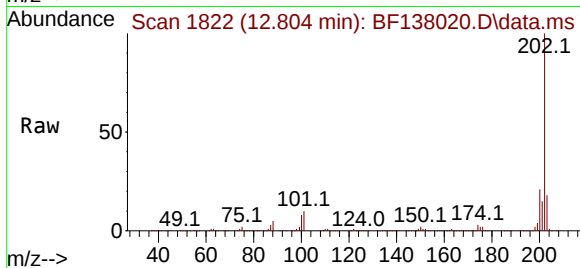
Tgt Ion:202 Resp: 1305974

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.5

203 17.6 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.233 min Scan# 2065

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

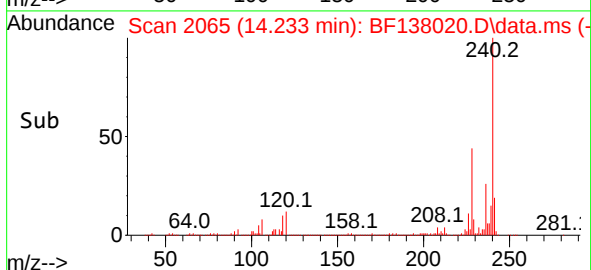
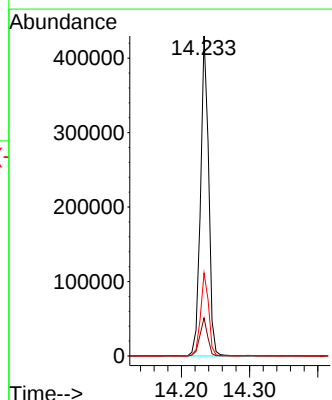
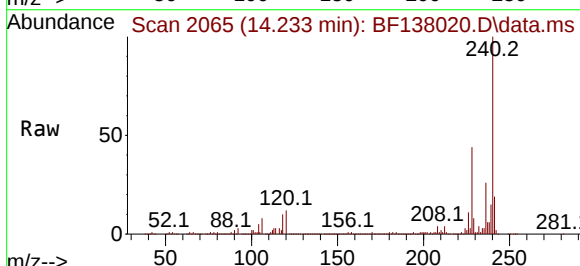
Tgt Ion:240 Resp: 354682

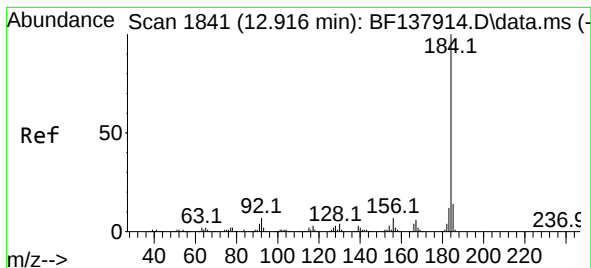
Ion Ratio Lower Upper

240 100

120 11.9 8.9 13.3

236 26.0 21.0 31.4





#77

Benzidine

Concen: 20.148 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.001 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

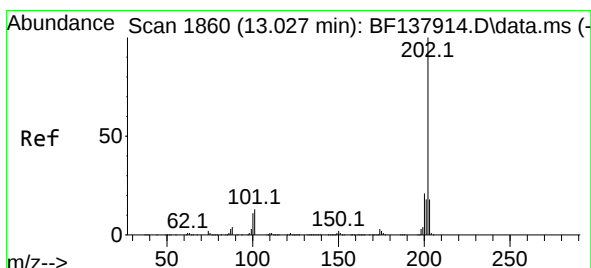
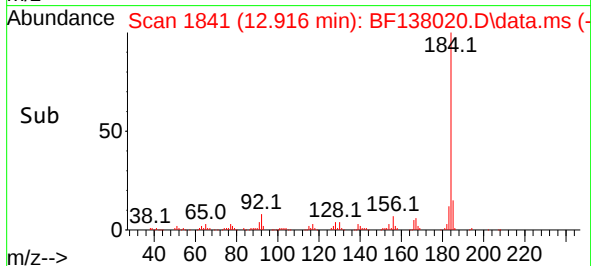
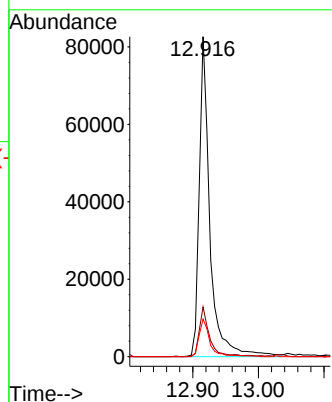
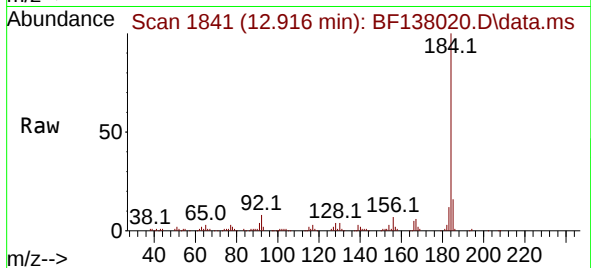
Tgt Ion:184 Resp: 93390

Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.2

183 11.8 9.5 14.3



#78

Pyrene

Concen: 41.922 ng

RT: 13.033 min Scan# 1861

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

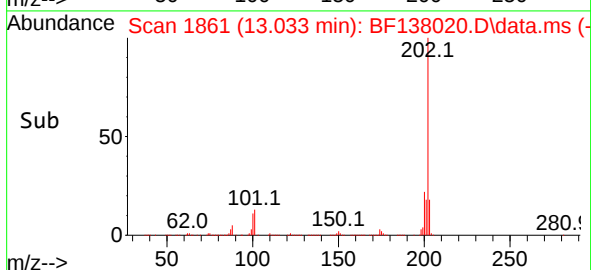
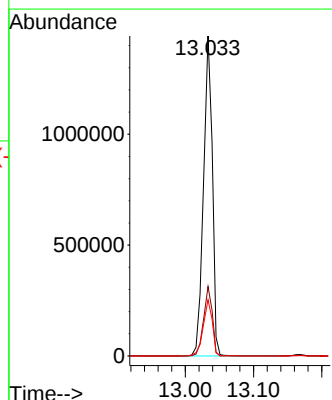
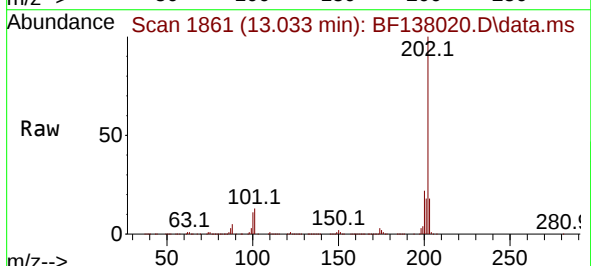
Tgt Ion:202 Resp: 1300504

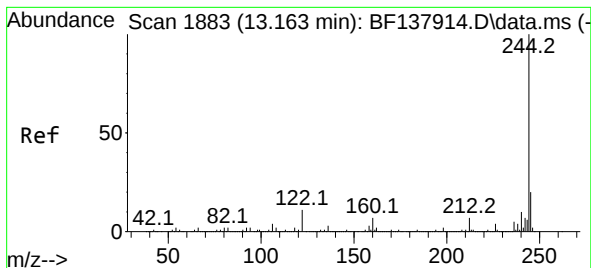
Ion Ratio Lower Upper

202 100

200 21.7 17.0 25.4

203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 81.267 ng

RT: 13.168 min Scan# 1883

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

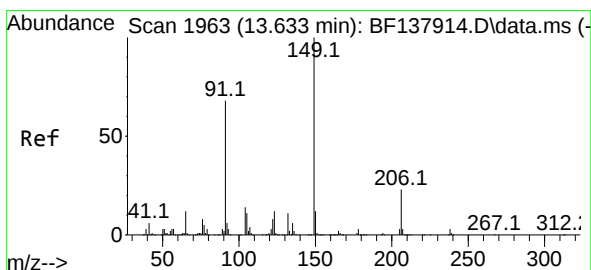
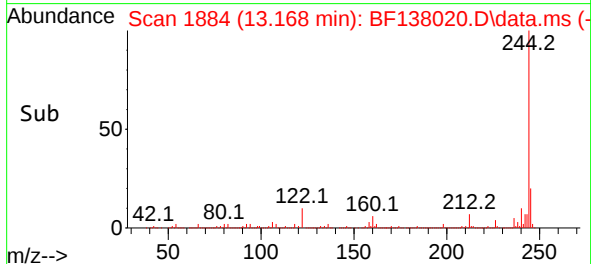
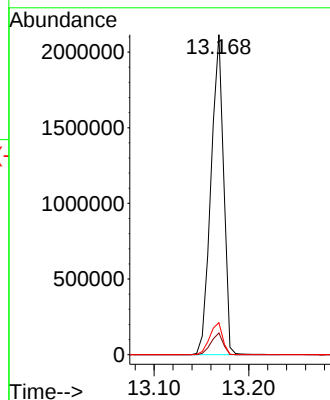
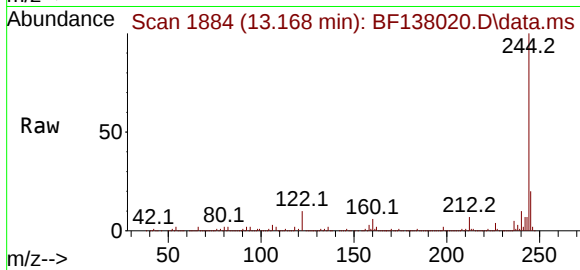
Tgt Ion:244 Resp: 1955763

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 50.724 ng

RT: 13.633 min Scan# 1963

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

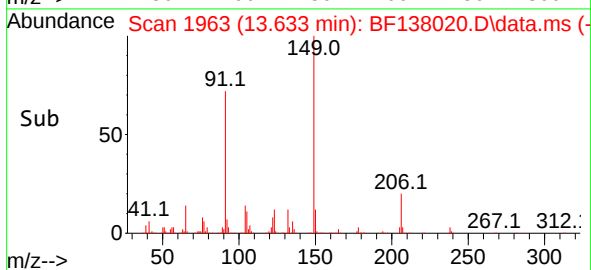
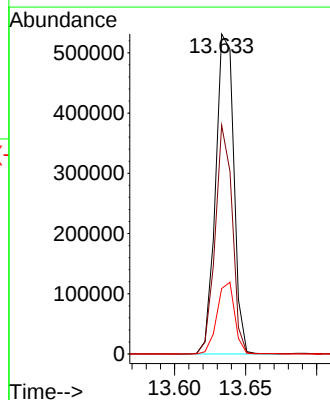
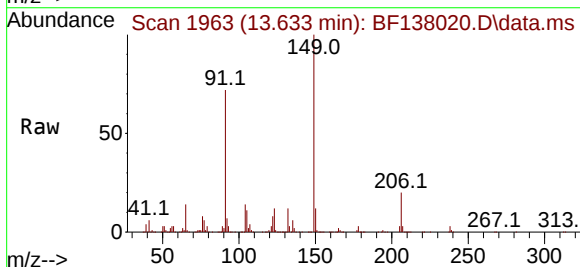
Tgt Ion:149 Resp: 474625

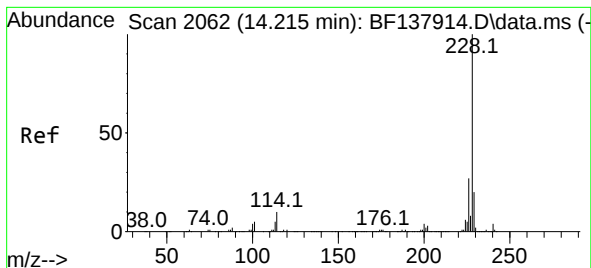
Ion Ratio Lower Upper

149 100

91 71.5 54.2 81.4

206 20.4 18.1 27.1





#81

Benzo(a)anthracene

Concen: 43.927 ng

RT: 14.221 min Scan# 2062

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

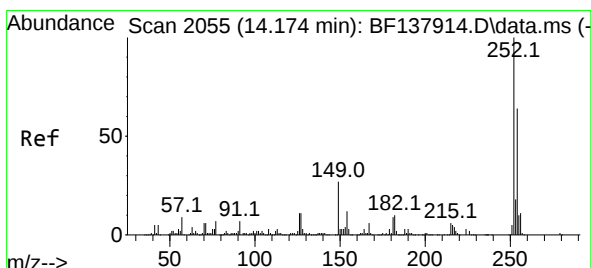
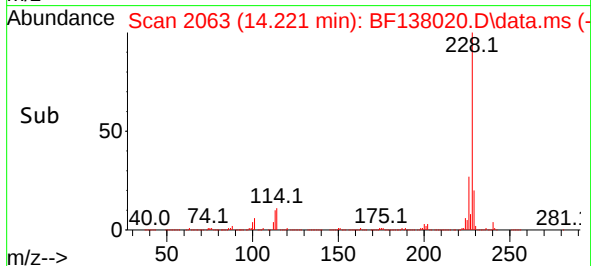
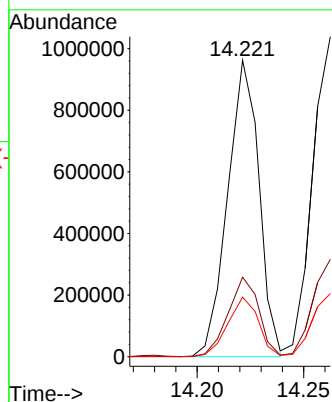
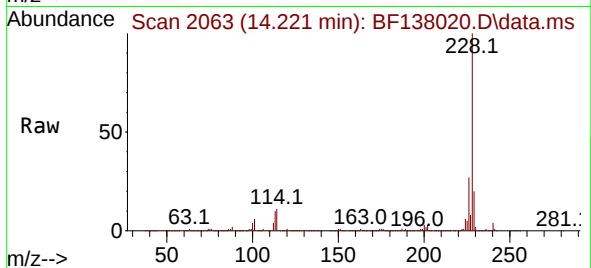
Tgt Ion:228 Resp: 985696

Ion Ratio Lower Upper

228 100

226 26.8 21.3 31.9

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 34.217 ng

RT: 14.180 min Scan# 2056

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

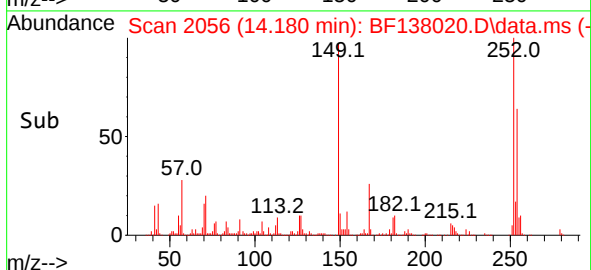
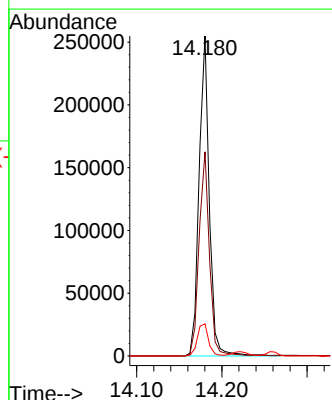
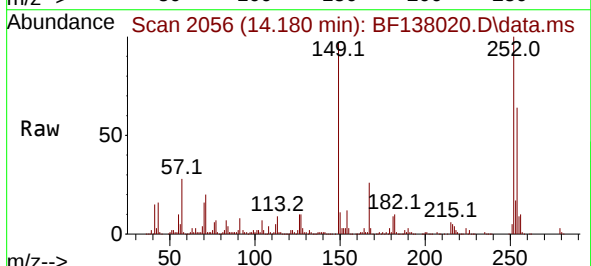
Tgt Ion:252 Resp: 212780

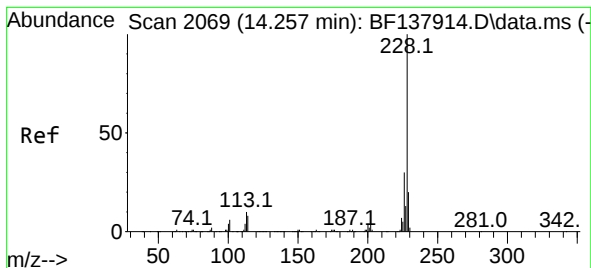
Ion Ratio Lower Upper

252 100

254 63.8 51.2 76.8

126 10.0 8.7 13.1





#83

Chrysene

Concen: 42.868 ng

RT: 14.262 min Scan# 2069

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

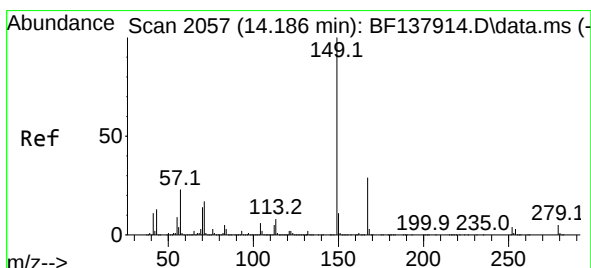
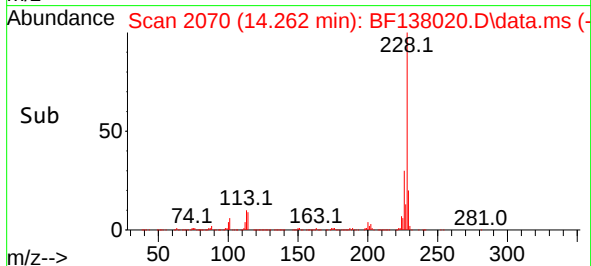
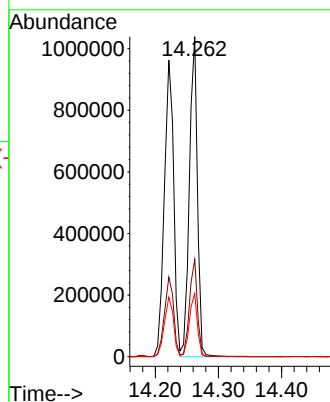
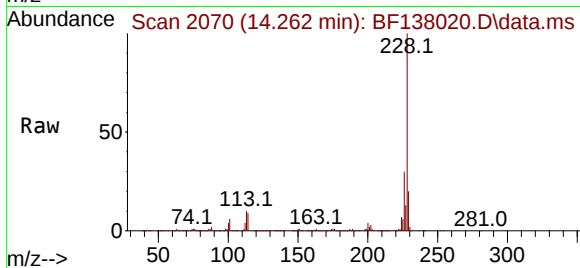
Tgt Ion:228 Resp: 919960

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 19.7 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.219 ng

RT: 14.186 min Scan# 2057

Delta R.T. -0.000 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

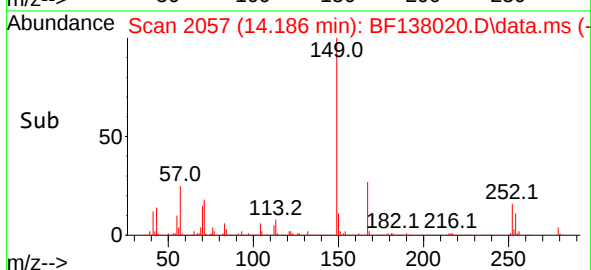
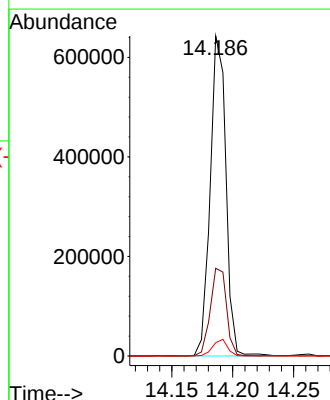
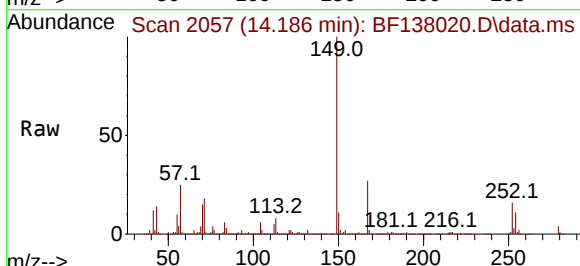
Tgt Ion:149 Resp: 578936

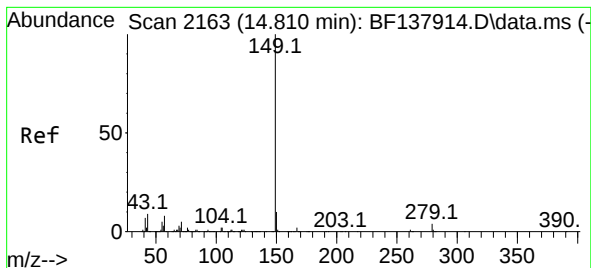
Ion Ratio Lower Upper

149 100

167 27.4 23.2 34.8

279 4.1 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 50.374 ng

RT: 14.815 min Scan# 2164

Delta R.T. 0.006 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

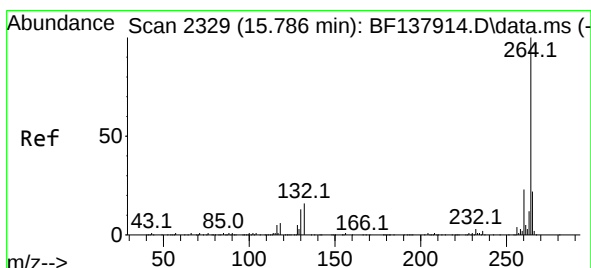
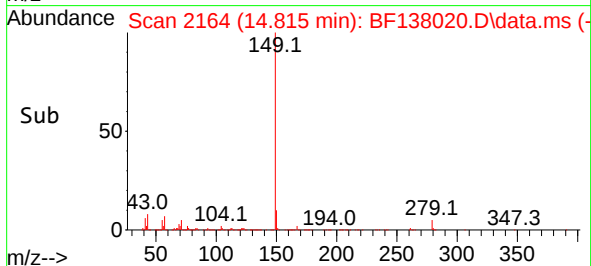
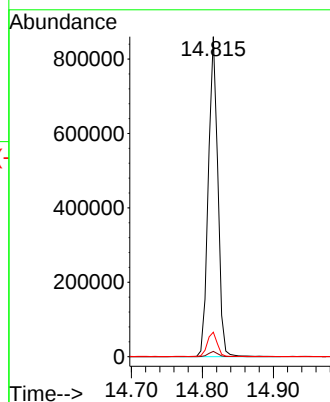
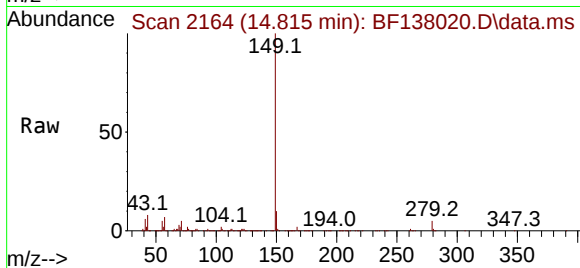
Tgt Ion:149 Resp: 800457

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

43 7.9 6.6 9.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.798 min Scan# 2331

Delta R.T. 0.012 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

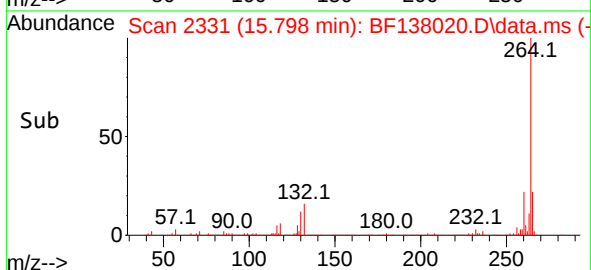
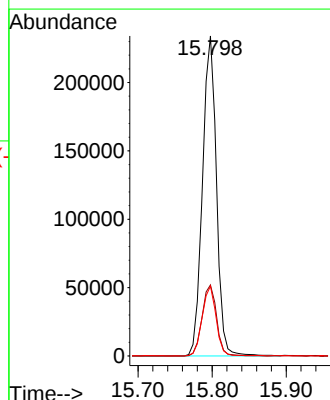
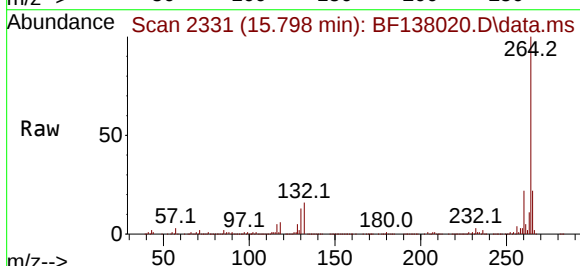
Tgt Ion:264 Resp: 306386

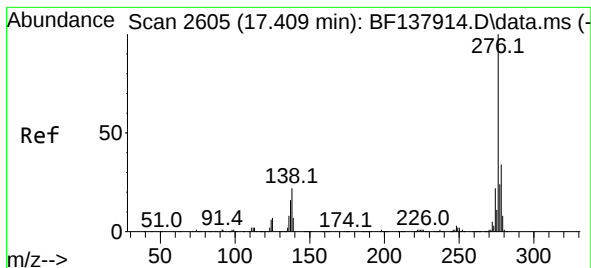
Ion Ratio Lower Upper

264 100

260 22.2 18.3 27.5

265 21.9 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.971 ng

RT: 17.433 min Scan# 2

Delta R.T. 0.023 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

Instrument :

BNA\_F

ClientSampleId :

PB161055BS

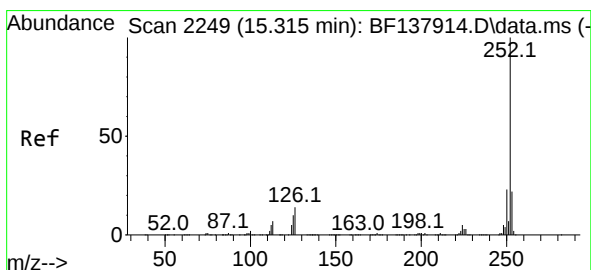
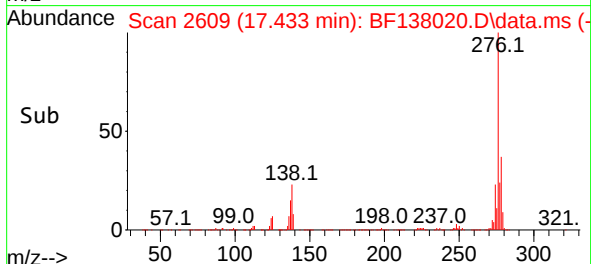
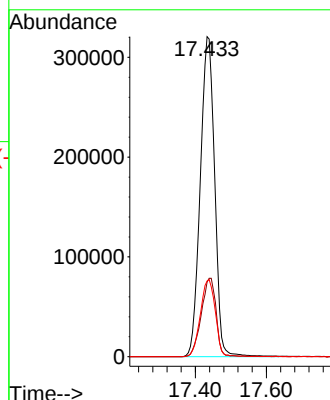
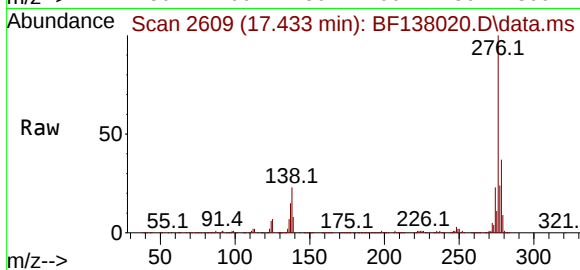
Tgt Ion:276 Resp: 904918

Ion Ratio Lower Upper

276 100

138 25.1 20.6 30.8

277 25.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 44.310 ng

RT: 15.327 min Scan# 2251

Delta R.T. 0.012 min

Lab File: BF138020.D

Acq: 23 May 2024 11:21

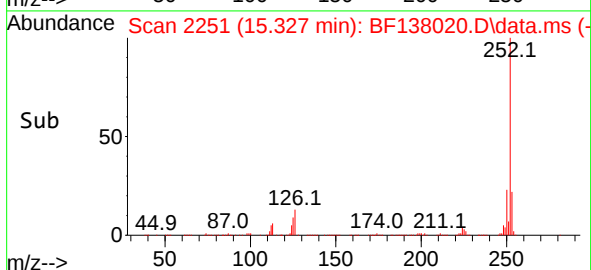
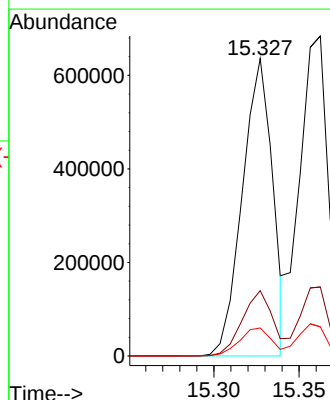
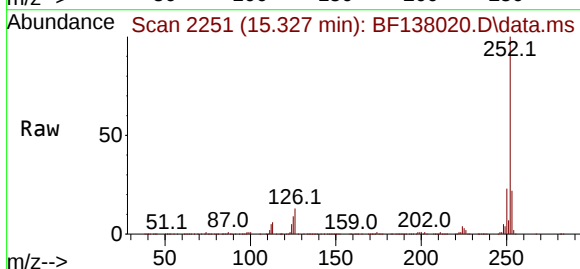
Tgt Ion:252 Resp: 786048

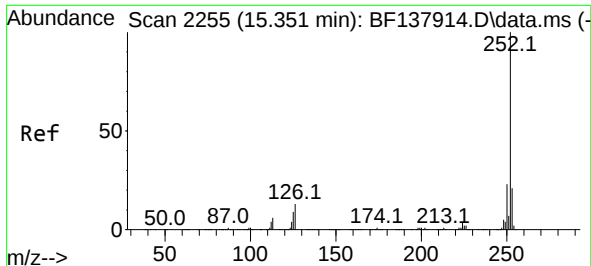
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.4 8.2 12.4

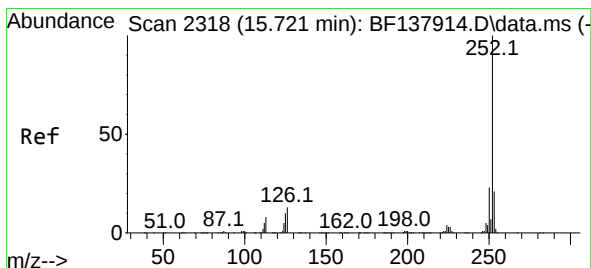
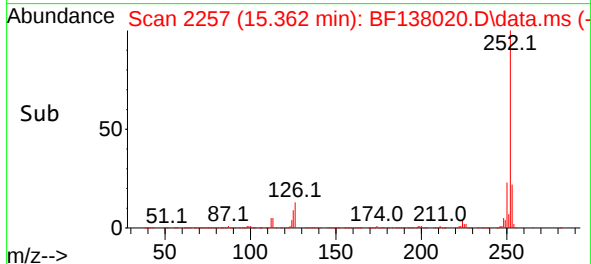
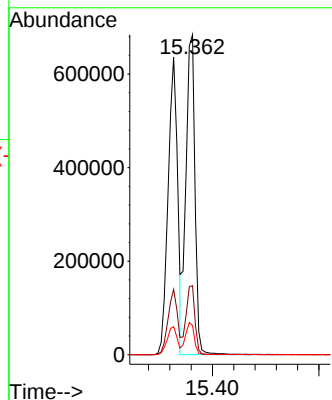
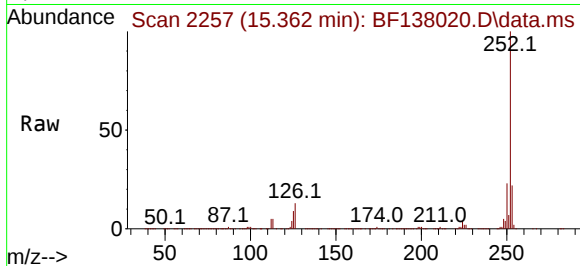




#89  
Benzo(k)fluoranthene  
Concen: 46.428 ng  
RT: 15.362 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

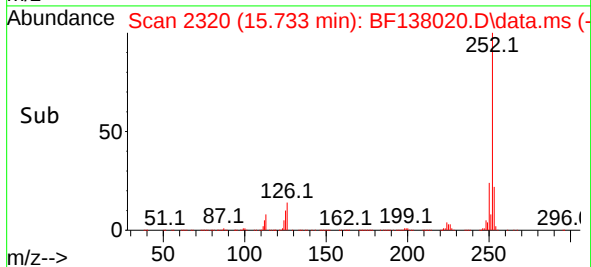
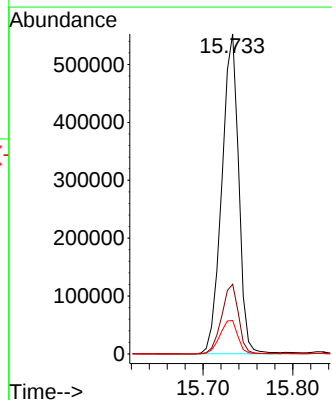
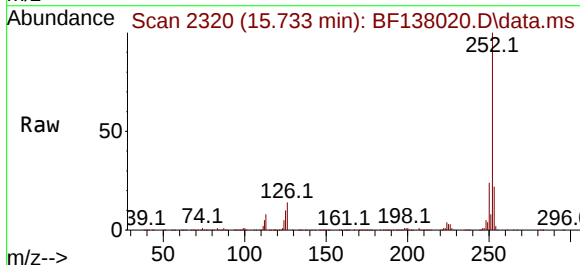
Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

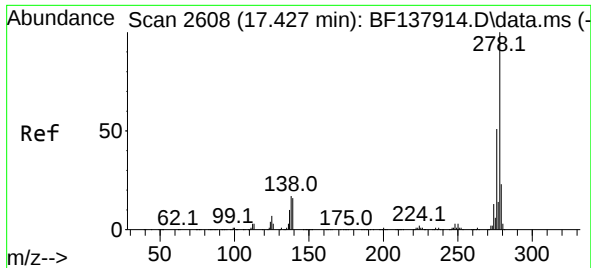
Tgt Ion:252 Resp: 809143  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.0  
125 9.1 7.7 11.5



#90  
Benzo(a)pyrene  
Concen: 47.563 ng  
RT: 15.733 min Scan# 2320  
Delta R.T. 0.012 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:252 Resp: 720487  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.0 25.6  
125 10.5 7.8 11.8

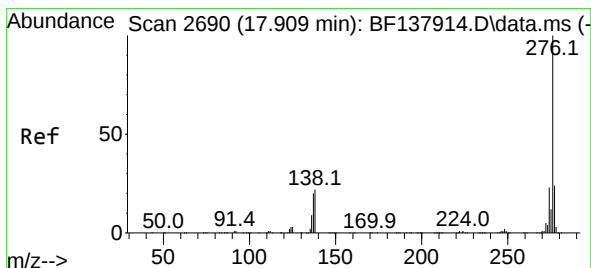
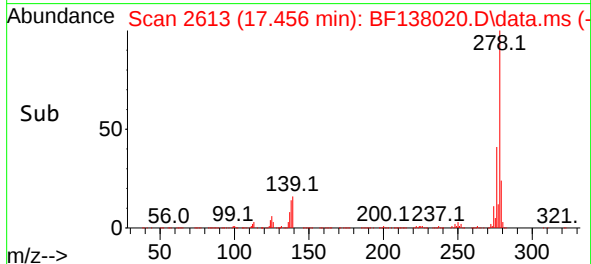
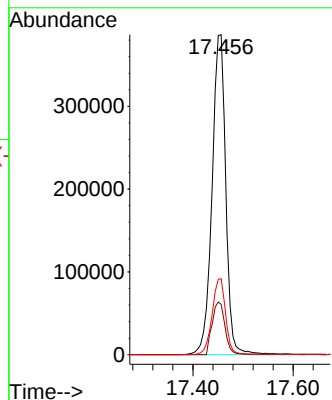
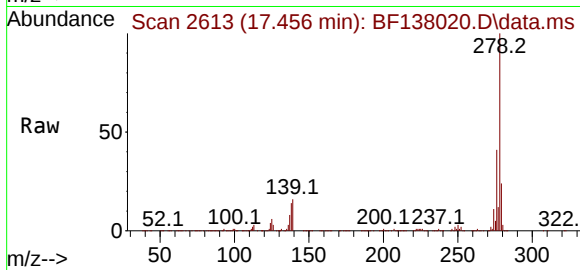




#91  
Dibenzo(a,h)anthracene  
Concen: 45.239 ng  
RT: 17.456 min Scan# 2613  
Delta R.T. 0.029 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Instrument :  
BNA\_F  
ClientSampleId :  
PB161055BS

Tgt Ion:278 Resp: 735752  
Ion Ratio Lower Upper  
278 100  
139 15.7 13.1 19.7  
279 23.7 18.5 27.7



#92  
Benzo(g,h,i)perylene  
Concen: 41.088 ng  
RT: 17.933 min Scan# 2694  
Delta R.T. 0.024 min  
Lab File: BF138020.D  
Acq: 23 May 2024 11:21

Tgt Ion:276 Resp: 701985  
Ion Ratio Lower Upper  
276 100  
277 23.8 18.9 28.3  
138 21.5 17.6 26.4

