

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082222\  
 Data File : BF129942.D  
 Acq On : 22 Aug 2022 16:04  
 Operator : CG\JU  
 Sample : N4142-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

Quant Time: Aug 23 04:48:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 04:41:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.775  | 152  | 146250   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.057  | 136  | 608741   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 316644   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.304 | 188  | 527253   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 357312   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 293219   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 1010010  | 114.343 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.440  | 99   | 1287908  | 116.431 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 840557   | 73.917  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 361045   | 113.608 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 1520204  | 72.918  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.886 | 244  | 1616562  | 75.280  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.605  | 88   | 152390   | 41.817  | ng    | 96       |
| 3) Pyridine                   | 3.369  | 79   | 391516   | 41.053  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 232337   | 52.863  | ng    | 84       |
| 6) Aniline                    | 6.446  | 93   | 519501   | 41.206  | ng    | 90       |
| 8) 2-Chlorophenol             | 6.575  | 128  | 456506   | 46.424  | ng    | 97       |
| 9) Benzaldehyde               | 6.334  | 77   | 286389   | 50.034  | ng    | 95       |
| 10) Phenol                    | 6.451  | 94   | 571192   | 47.075  | ng    | 91       |
| 11) bis(2-Chloroethyl)ether   | 6.516  | 93   | 436065   | 47.327  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.716  | 146  | 476435   | 44.880  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.793  | 146  | 480816   | 44.327  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.945  | 146  | 453333   | 44.999  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 413679   | 49.538  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.051  | 45   | 602405   | 48.792  | ng    | 92       |
| 17) 2-Methylphenol            | 7.051  | 107  | 367055   | 46.488  | ng    | 98       |
| 18) Hexachloroethane          | 7.281  | 117  | 190675   | 46.811  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 339580   | 48.568  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 479633   | 45.254  | ng    | # 83     |
| 22) Acetophenone              | 7.193  | 105  | 671678   | 45.278  | ng    | 98       |
| 24) Nitrobenzene              | 7.369  | 77   | 504712   | 44.016  | ng    | 95       |
| 25) Isophorone                | 7.610  | 82   | 916340   | 46.818  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 243742   | 43.215  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 395746   | 48.925  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 550527   | 48.174  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 377733   | 42.707  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.998  | 180  | 384006   | 41.155  | ng    | 97       |
| 31) Naphthalene               | 8.081  | 128  | 1329528  | 41.771  | ng    | 99       |
| 32) Benzoic acid              | 7.892  | 122  | 181743   | 49.502  | ng    | 88       |
| 33) 4-Chloroaniline           | 8.140  | 127  | 440866   | 35.223  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 243762   | 42.904  | ng    | 98       |
| 35) Caprolactam               | 8.534  | 113  | 55131    | 20.044  | ng    | 86       |
| 36) 4-Chloro-3-methylphenol   | 8.640  | 107  | 425308   | 44.573  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 875212   | 41.896  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 836368   | 41.196  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 389799   | 44.261  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.916  | 237  | 310256   | 96.474  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 239953   | 41.935  | ng    | 98       |

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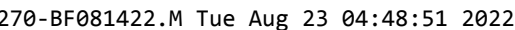
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

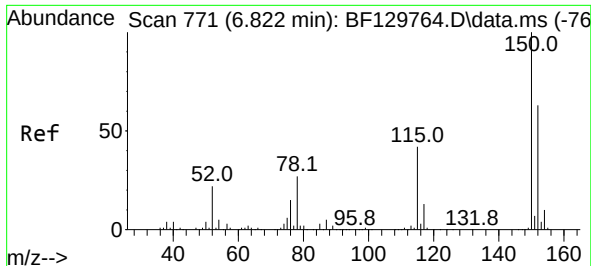
Quant Time: Aug 23 04:48:31 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF081422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 23 04:41:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 255978   | 41.581 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 1081433  | 44.956 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 823832   | 43.284 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.375  | 65   | 274597   | 45.653 | ng    | 98       |
| 49) Acenaphthylene            | 9.681  | 152  | 1232741  | 42.711 | ng    | 100      |
| 50) Dimethylphthalate         | 9.545  | 163  | 965824   | 42.549 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 210542   | 42.758 | ng    | 96       |
| 52) Acenaphthene              | 9.851  | 154  | 746171   | 42.612 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.792  | 138  | 175563   | 32.241 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 184006   | 82.472 | ng    | 98       |
| 55) Dibenzofuran              | 10.022 | 168  | 1126255  | 42.812 | ng    | 95       |
| 56) 4-Nitrophenol             | 9.981  | 139  | 217395   | 89.739 | ng    | 84       |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 272047   | 42.561 | ng    | 98       |
| 58) Fluorene                  | 10.369 | 166  | 921285   | 41.942 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 194228   | 42.991 | ng    | # 77     |
| 60) Diethylphthalate          | 10.239 | 149  | 973164   | 42.997 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.357 | 204  | 424255   | 43.039 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 198387   | 36.113 | ng    | 91       |
| 63) Azobenzene                | 10.516 | 77   | 937465   | 43.333 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 130508   | 42.164 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.481 | 169  | 783486   | 44.026 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.845 | 248  | 270744   | 43.842 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.916 | 284  | 300735   | 44.956 | ng    | 97       |
| 69) Atrazine                  | 11.010 | 200  | 257729   | 47.186 | ng    | 97       |
| 70) Pentachlorophenol         | 11.122 | 266  | 169215   | 84.104 | ng    | 95       |
| 71) Phenanthrene              | 11.333 | 178  | 1248380  | 42.394 | ng    | 100      |
| 72) Anthracene                | 11.386 | 178  | 1290171  | 44.058 | ng    | 100      |
| 73) Carbazole                 | 11.545 | 167  | 1151871  | 43.332 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 1491099  | 43.584 | ng    | 99       |
| 75) Fluoranthene              | 12.522 | 202  | 1287176  | 42.717 | ng    | 99       |
| 77) Benzidine                 | 12.645 | 184  | 533074   | 64.476 | ng    | 100      |
| 78) Pyrene                    | 12.751 | 202  | 1289010  | 41.514 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.357 | 149  | 599148   | 45.602 | ng    | 93       |
| 81) Benzo(a)anthracene        | 13.945 | 228  | 1027623  | 41.808 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.904 | 252  | 308025   | 40.463 | ng    | 99       |
| 83) Chrysene                  | 13.980 | 228  | 954384   | 41.480 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.910 | 149  | 836116   | 53.639 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.521 | 149  | 1215318  | 56.479 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.862 | 276  | 832989   | 41.381 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 873089   | 43.484 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 820681   | 42.621 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.345 | 252  | 716900   | 45.340 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.868 | 278  | 721640   | 43.448 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.298 | 276  | 715416   | 43.174 | ng    | 97       |

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

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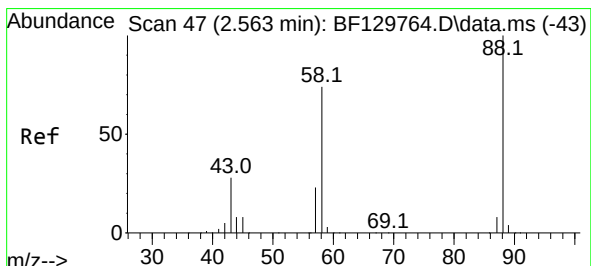
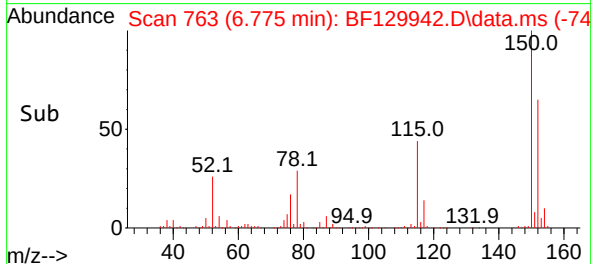
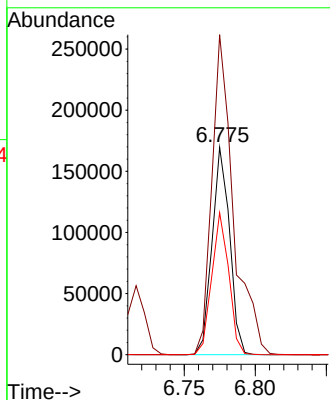
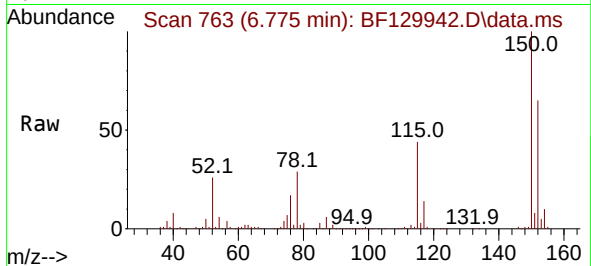




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.775 min Scan# 7  
 Delta R.T. -0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

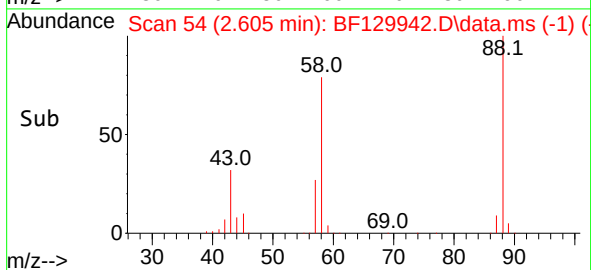
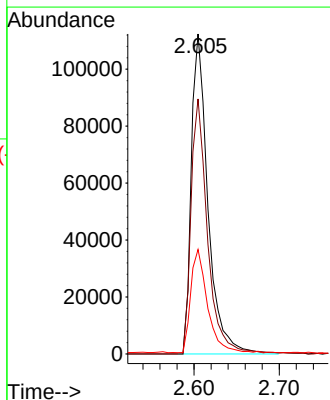
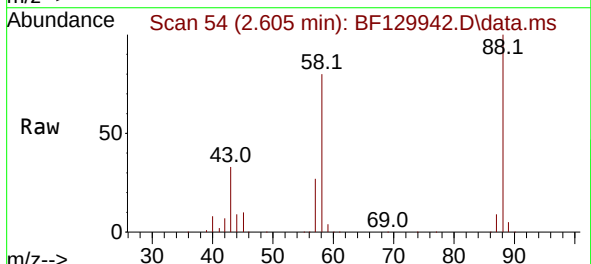
Instrument :  
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 UST-NORTHMSD

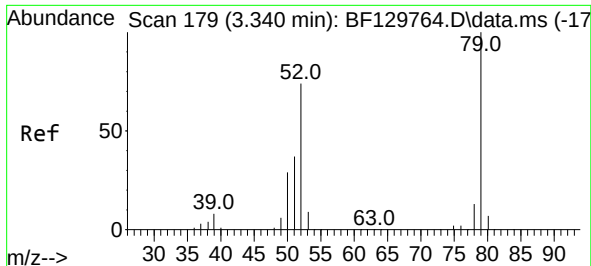
Tgt Ion:152 Resp: 146250  
 Ion Ratio Lower Upper  
 152 100  
 150 154.3 126.9 190.3  
 115 68.4 53.4 80.0



#2  
 1,4-Dioxane  
 Concen: 41.817 ng  
 RT: 2.605 min Scan# 54  
 Delta R.T. 0.124 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

Tgt Ion: 88 Resp: 152390  
 Ion Ratio Lower Upper  
 88 100  
 58 79.4 60.9 91.3  
 43 32.6 23.6 35.4

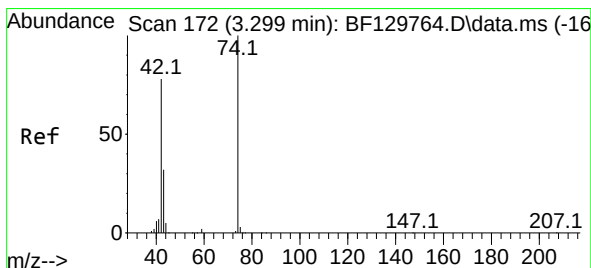
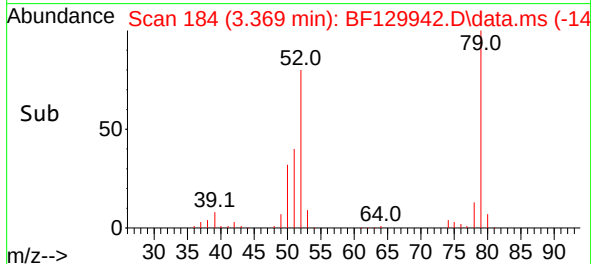
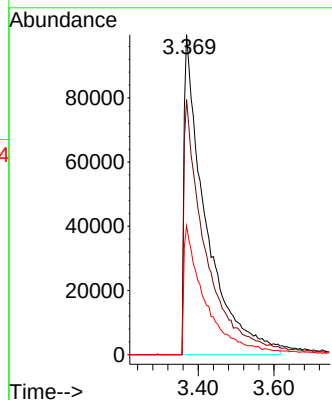
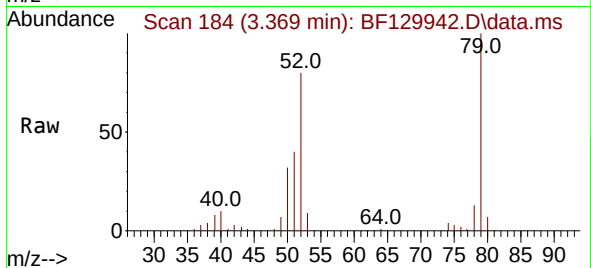




#3  
Pyridine  
Concen: 41.053 ng  
RT: 3.369 min Scan# 11  
Delta R.T. 0.124 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

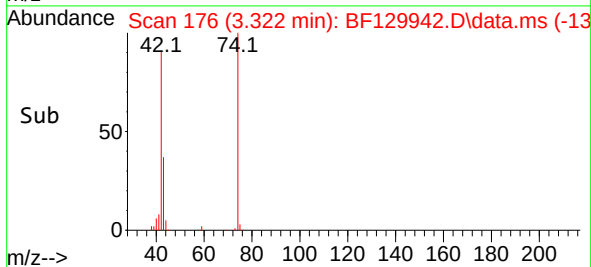
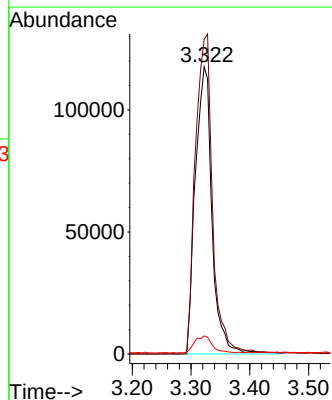
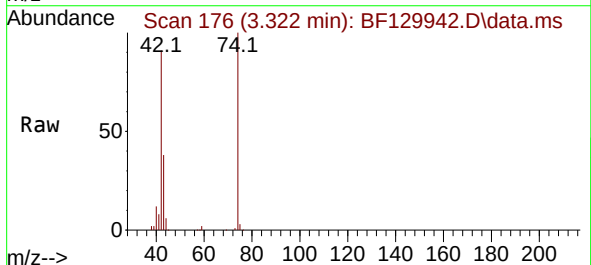
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ClientSampleId :  
UST-NORTHMSD

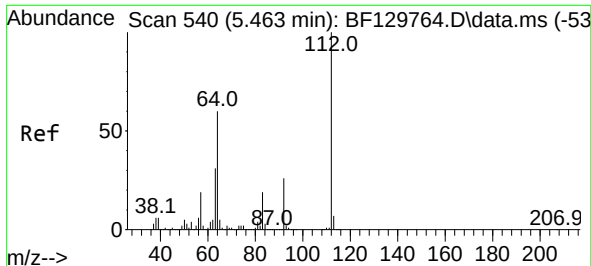
Tgt Ion: 79 Resp: 391516  
Ion Ratio Lower Upper  
79 100  
52 79.7 59.4 89.2  
51 40.3 29.5 44.3



#4  
n-Nitrosodimethylamine  
Concen: 52.863 ng  
RT: 3.322 min Scan# 176  
Delta R.T. 0.118 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 42 Resp: 232337  
Ion Ratio Lower Upper  
42 100  
74 109.6 103.1 154.7  
44 6.3 5.4 8.2

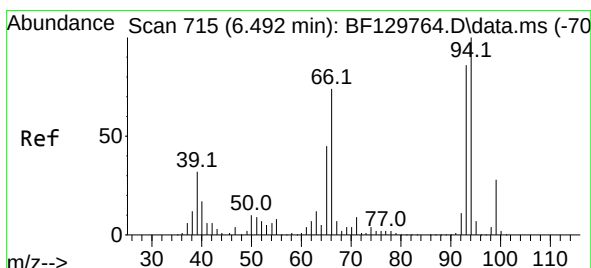
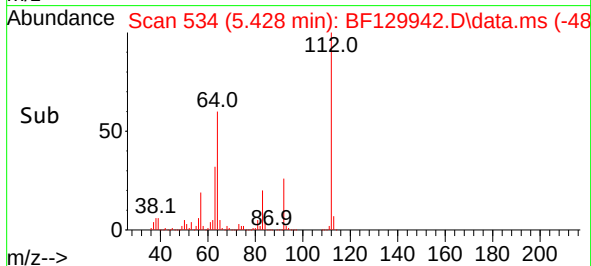
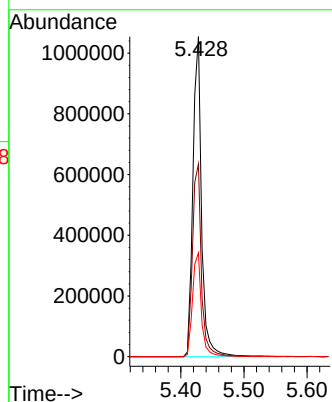
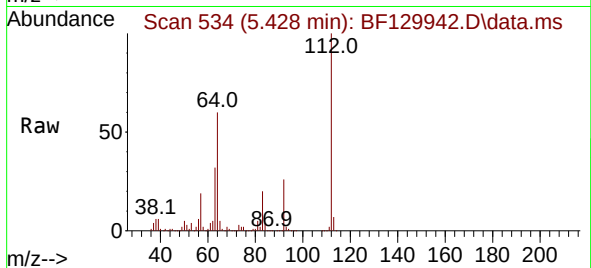




#5  
2-Fluorophenol  
Concen: 114.343 ng  
RT: 5.428 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

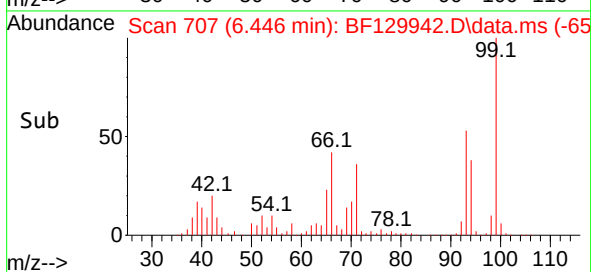
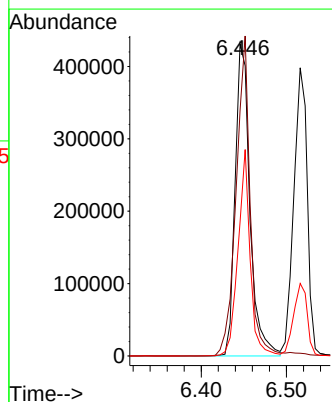
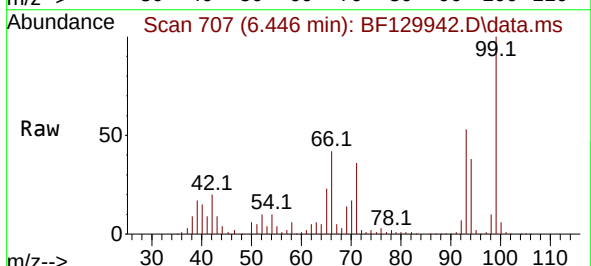
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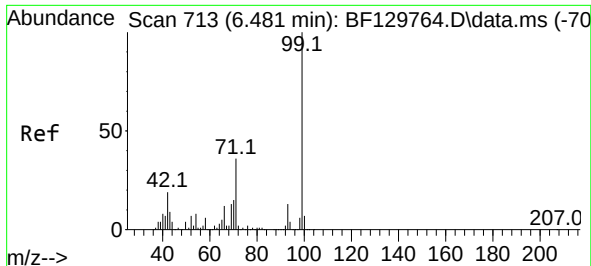
Tgt Ion:112 Resp: 1010010  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.6 71.4  
63 32.5 24.6 37.0



#6  
Aniline  
Concen: 41.206 ng  
RT: 6.446 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 93 Resp: 519501  
Ion Ratio Lower Upper  
93 100  
66 78.6 68.7 103.1  
65 42.8 41.6 62.4



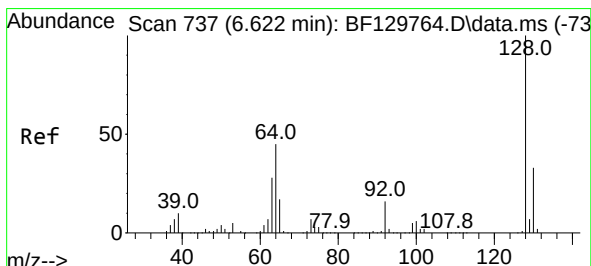
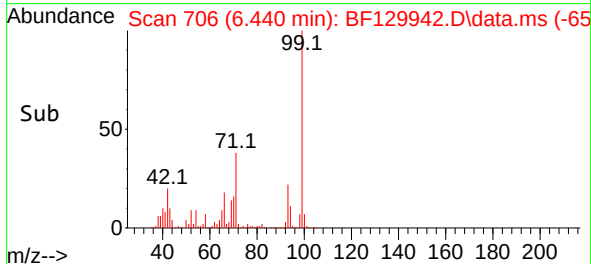
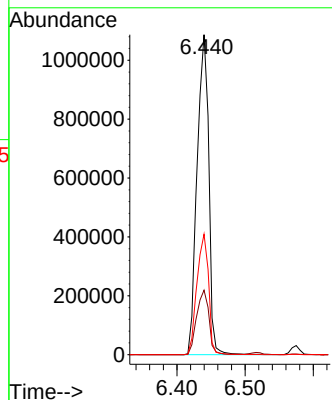
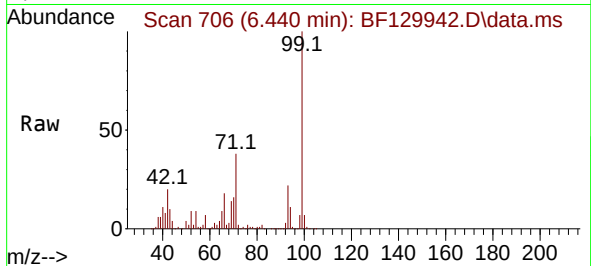


#7  
Phenol-d6  
Concen: 116.431 ng  
RT: 6.440 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion: 99 Resp: 1287908

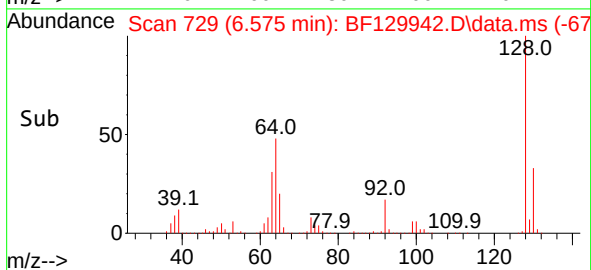
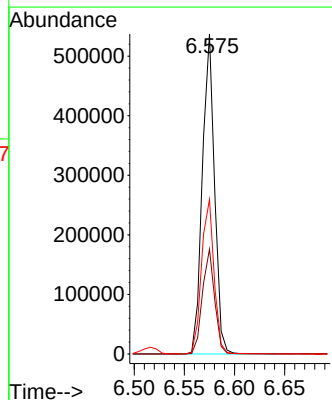
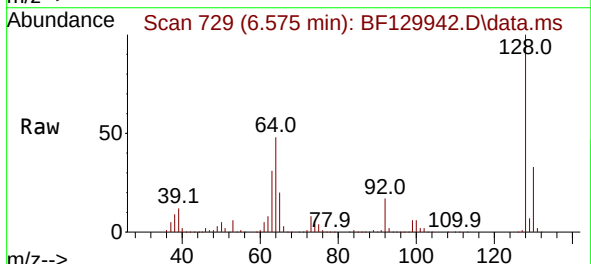
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 20.1  | 15.0  | 22.4  |
| 71  | 37.7  | 28.8  | 43.2  |

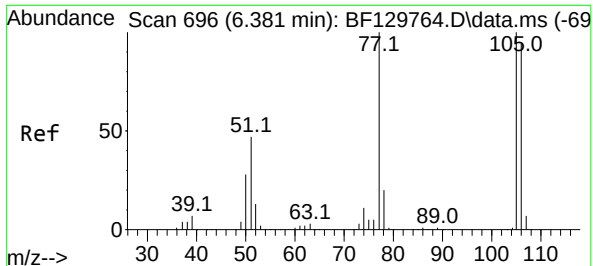


#8  
2-Chlorophenol  
Concen: 46.424 ng  
RT: 6.575 min Scan# 729  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 128 Resp: 456506

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.8  | 12.5  | 52.5  |
| 64  | 48.3  | 24.9  | 64.9  |

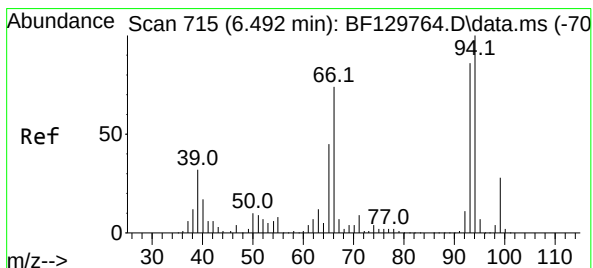
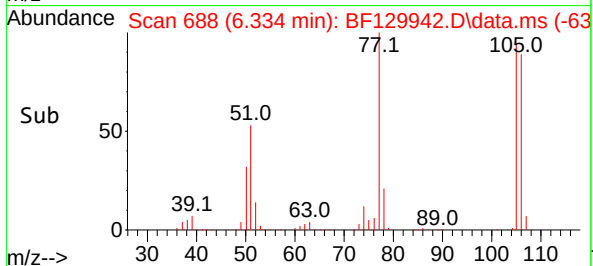
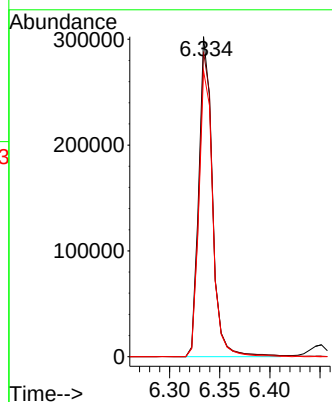
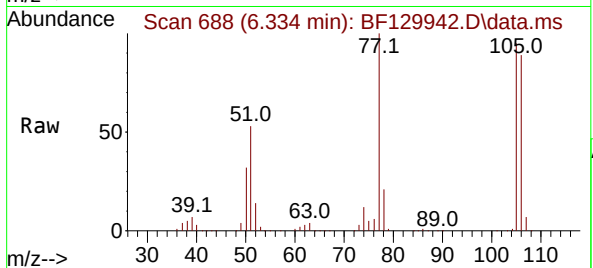




#9  
Benzaldehyde  
Concen: 50.034 ng  
RT: 6.334 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

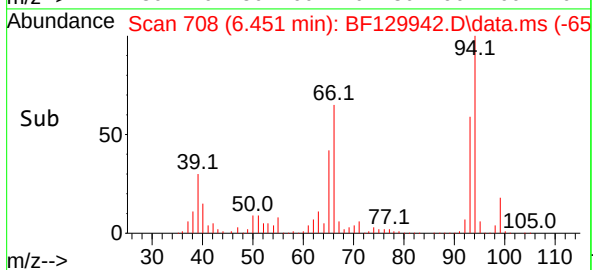
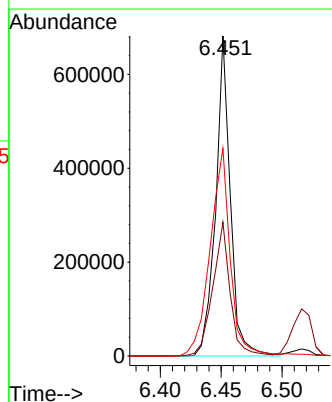
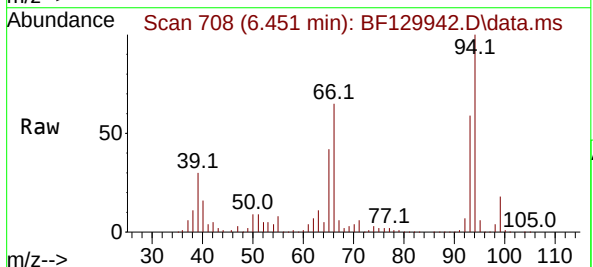
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion: 77 Resp: 286389  
Ion Ratio Lower Upper  
77 100  
105 95.3 80.3 120.3  
106 89.3 74.3 114.3

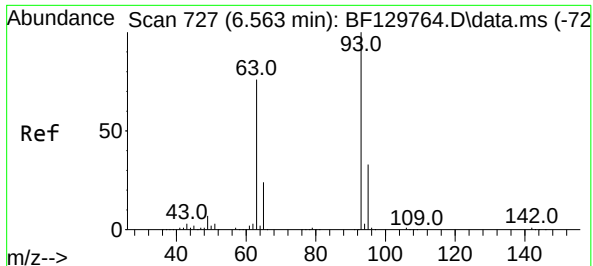


#10  
Phenol  
Concen: 47.075 ng  
RT: 6.451 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 94 Resp: 571192  
Ion Ratio Lower Upper  
94 100  
65 41.8 24.9 64.9  
66 64.8 54.2 94.2



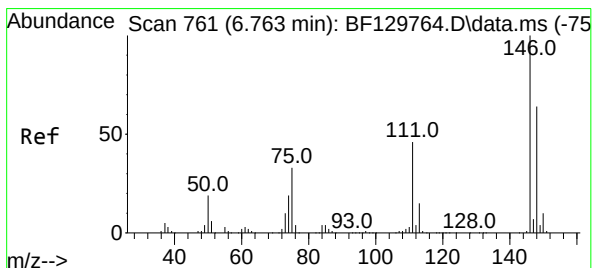
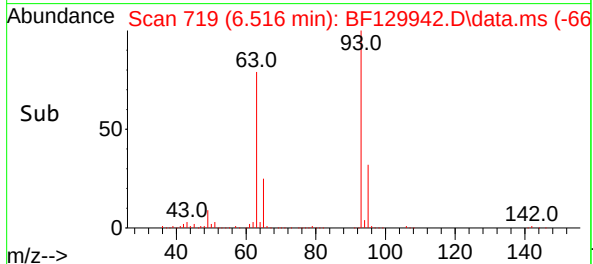
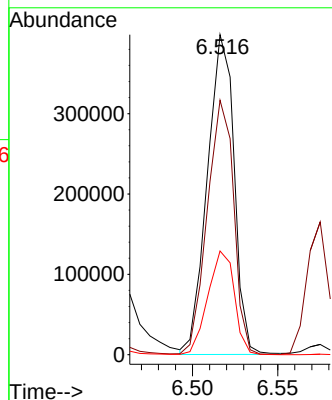
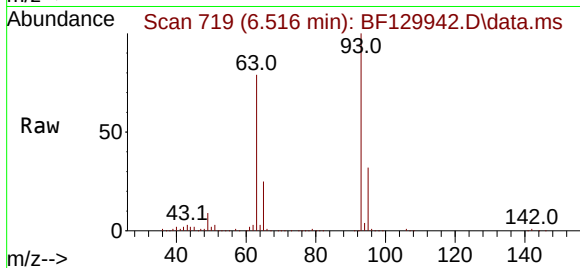




#11  
bis(2-Chloroethyl)ether  
Concen: 47.327 ng  
RT: 6.516 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

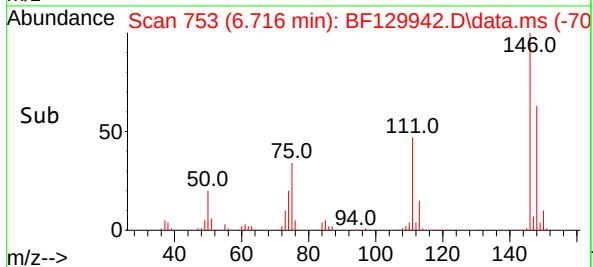
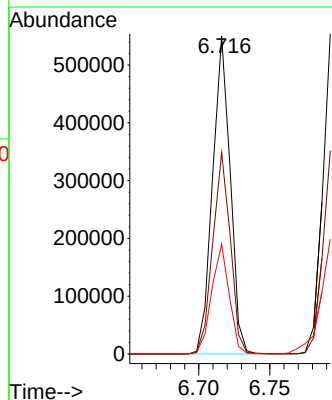
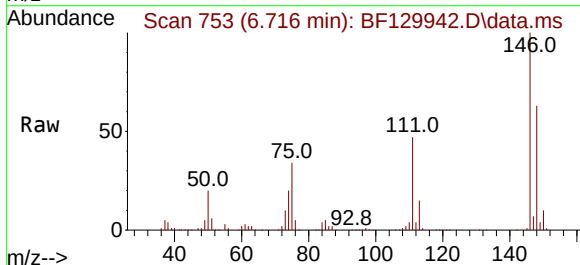
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

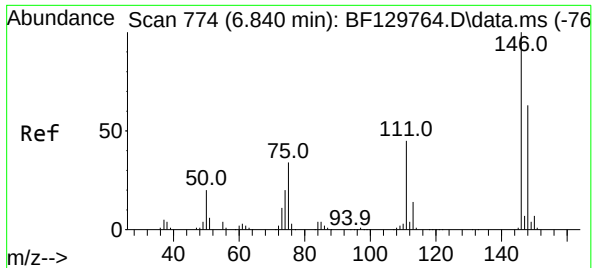
Tgt Ion: 93 Resp: 436065  
Ion Ratio Lower Upper  
93 100  
63 79.5 55.9 95.9  
95 32.4 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 44.880 ng  
RT: 6.716 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:146 Resp: 476435  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.2 76.8  
75 34.5 26.5 39.7

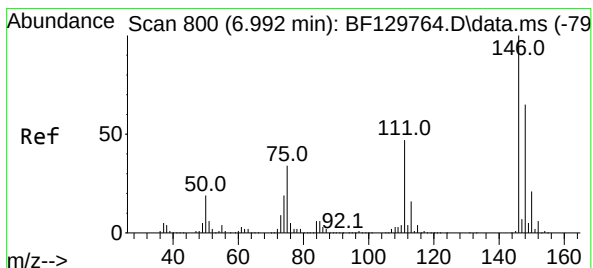
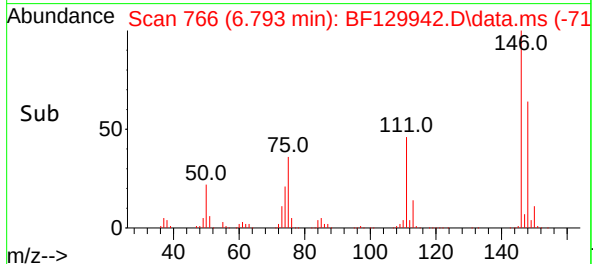
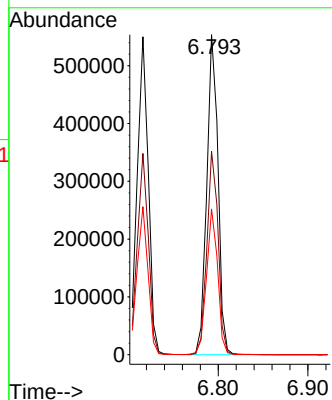
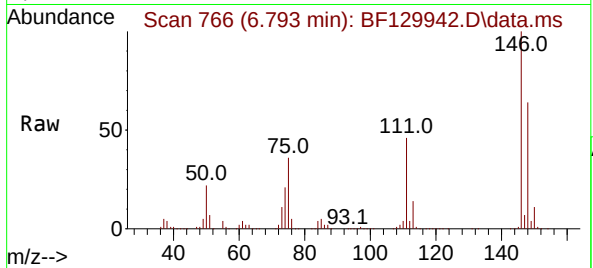




#13  
1,4-Dichlorobenzene  
Concen: 44.327 ng  
RT: 6.793 min Scan# 711  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

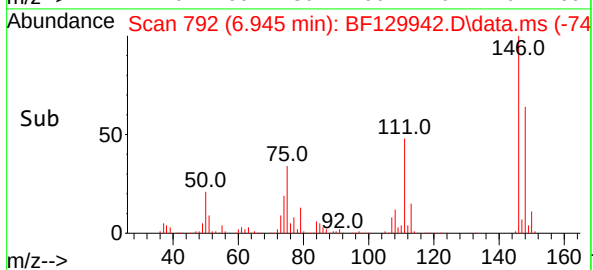
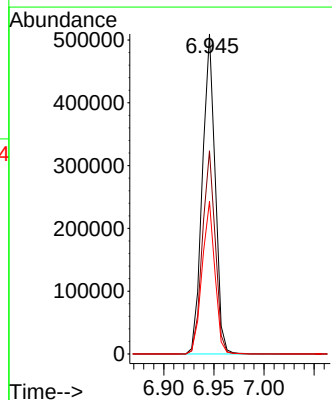
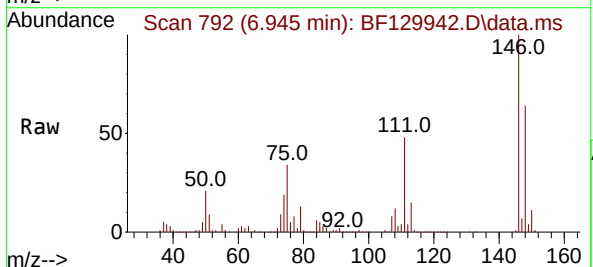
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

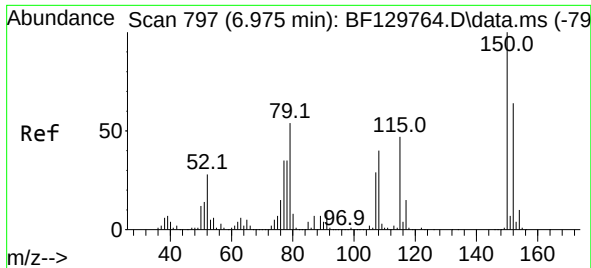
Tgt Ion:146 Resp: 480816  
Ion Ratio Lower Upper  
146 100  
148 63.6 50.6 75.8  
111 45.6 36.2 54.4



#14  
1,2-Dichlorobenzene  
Concen: 44.999 ng  
RT: 6.945 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:146 Resp: 453333  
Ion Ratio Lower Upper  
146 100  
148 63.5 51.8 77.6  
111 47.7 37.2 55.8

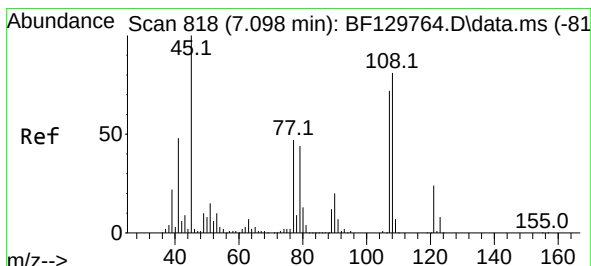
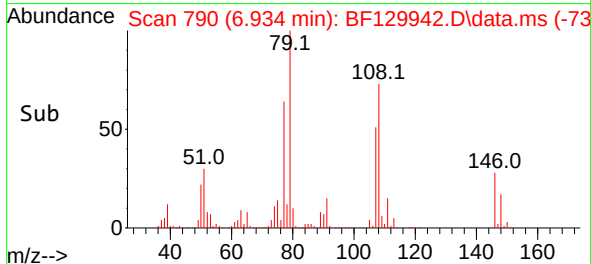
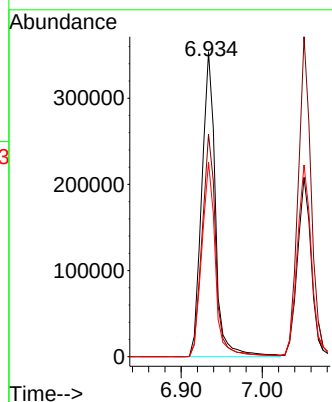
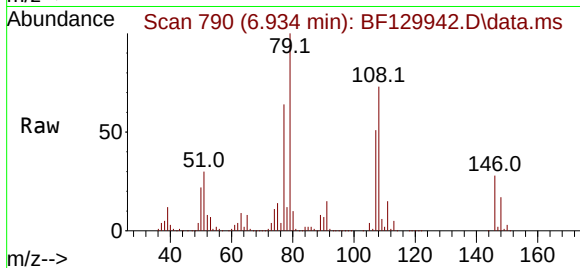




#15  
Benzyl Alcohol  
Concen: 49.538 ng  
RT: 6.934 min Scan# 79  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

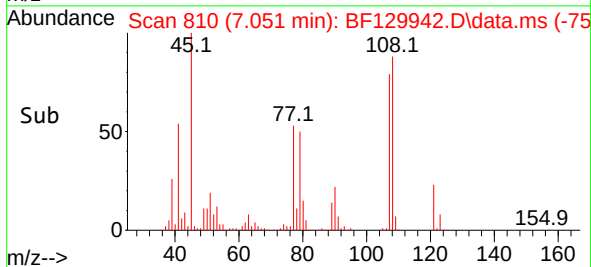
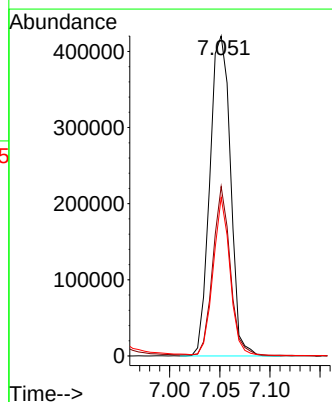
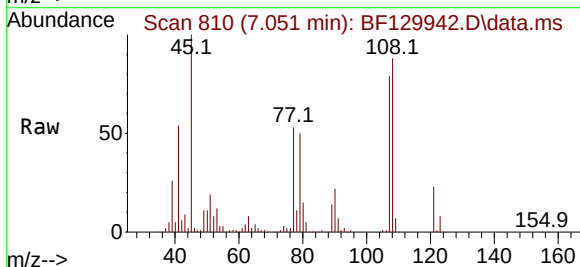
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

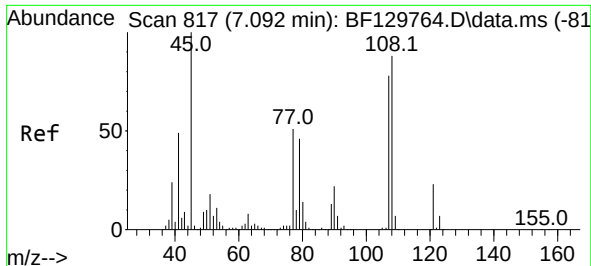
Tgt Ion: 79 Resp: 413679  
Ion Ratio Lower Upper  
79 100  
108 73.0 59.2 88.8  
77 63.8 51.9 77.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.792 ng  
RT: 7.051 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 45 Resp: 602405  
Ion Ratio Lower Upper  
45 100  
77 52.9 27.4 67.4  
79 49.5 24.4 64.4

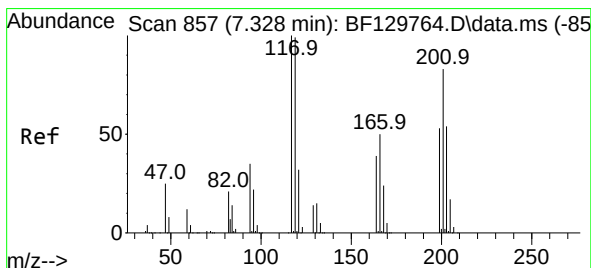
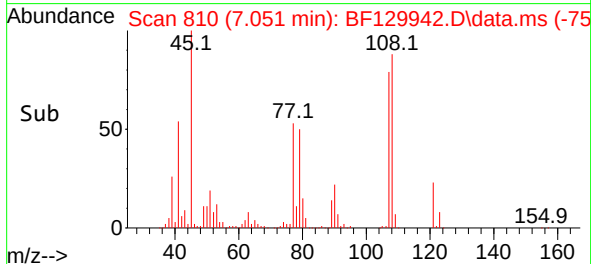
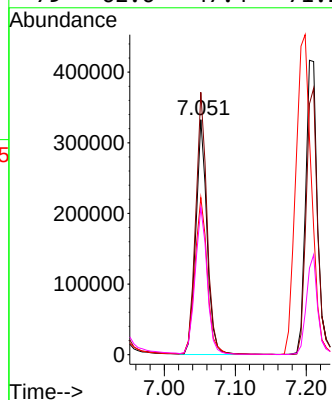
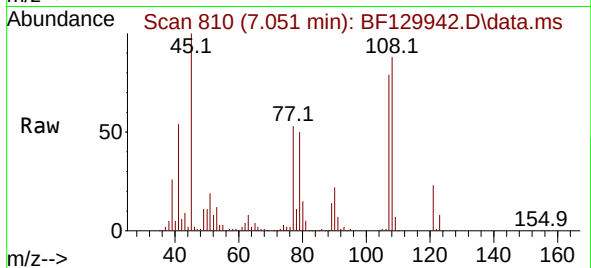




#17  
2-Methylphenol  
Concen: 46.488 ng  
RT: 7.051 min Scan# 810  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

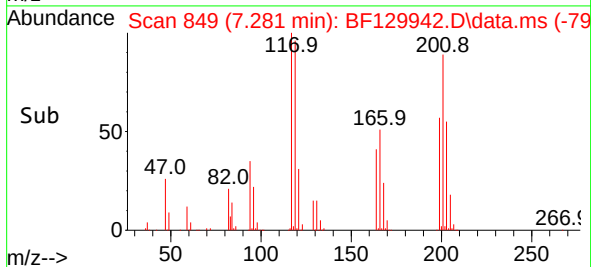
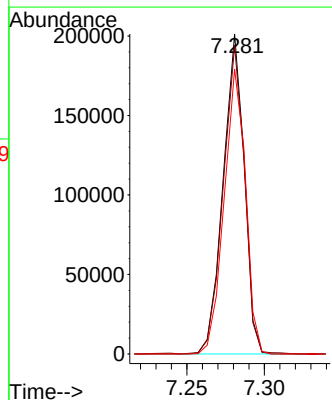
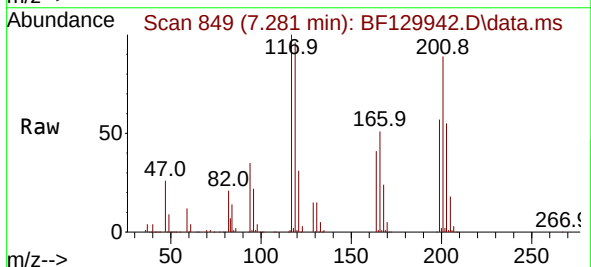
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

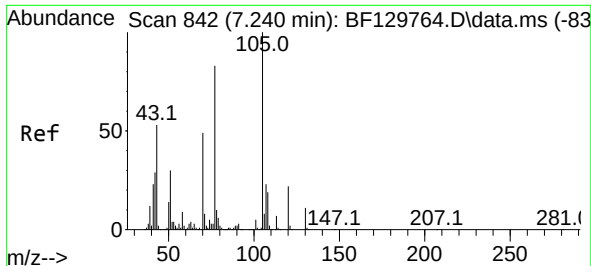
Tgt Ion:107 Resp: 367055  
Ion Ratio Lower Upper  
107 100  
108 111.6 90.2 135.2  
77 66.8 51.8 77.8  
79 62.6 47.4 71.2



#18  
Hexachloroethane  
Concen: 46.811 ng  
RT: 7.281 min Scan# 849  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:117 Resp: 190675  
Ion Ratio Lower Upper  
117 100  
119 96.5 79.1 118.7  
201 89.0 66.6 100.0



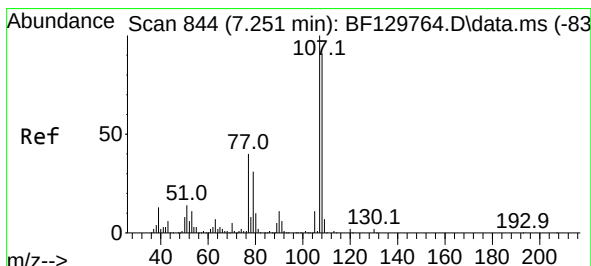
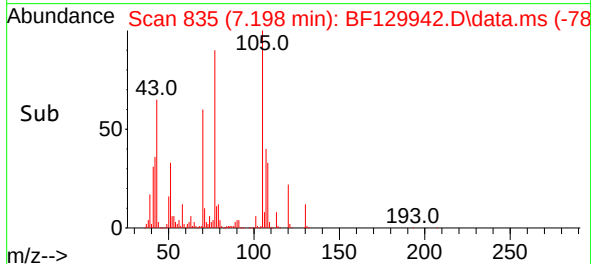
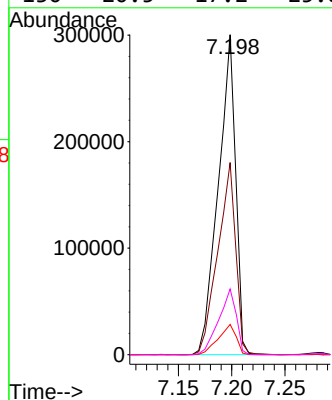
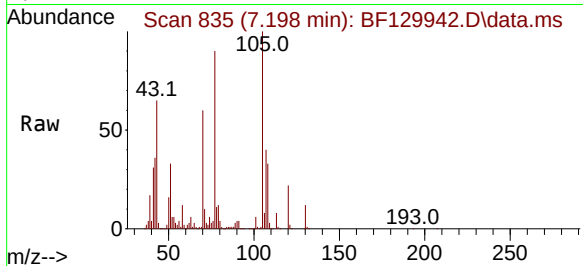


#19  
n-Nitroso-di-n-propylamine  
Concen: 48.568 ng  
RT: 7.198 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion: 70 Resp: 339580

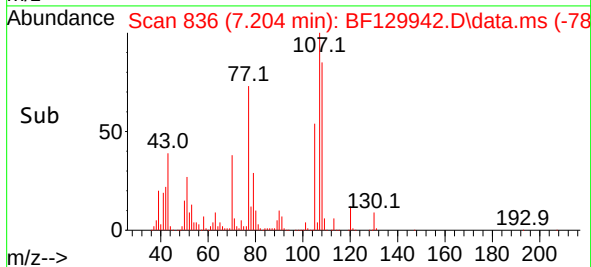
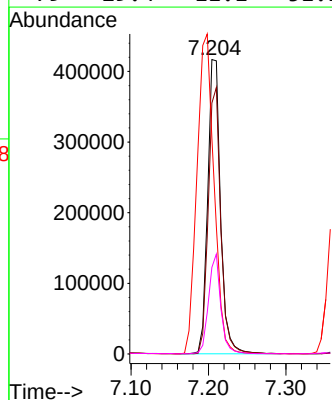
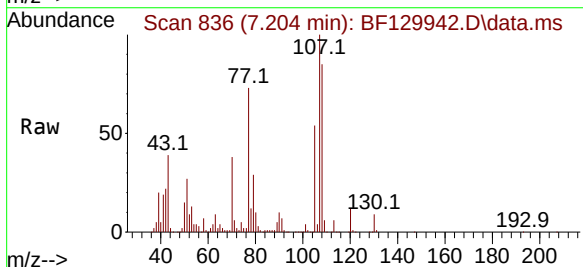
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 60.1  | 47.6  | 71.4  |
| 101 | 9.5   | 8.1   | 12.1  |
| 130 | 20.5  | 17.2  | 25.8  |

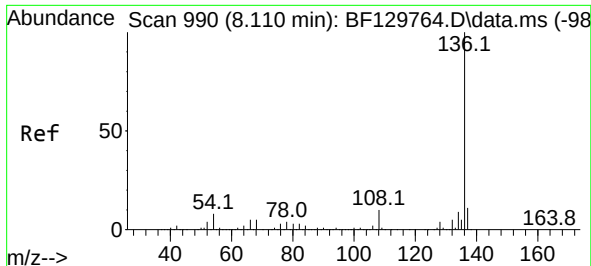


#20  
3+4-Methylphenols  
Concen: 45.254 ng  
RT: 7.204 min Scan# 836  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 107 Resp: 479633

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 85.2  | 71.3  | 111.3 |
| 77  | 73.4  | 20.4  | 60.4# |
| 79  | 29.4  | 11.1  | 51.1  |

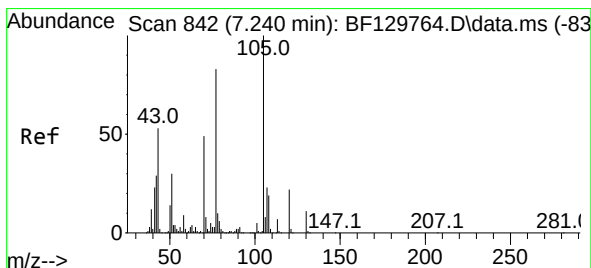
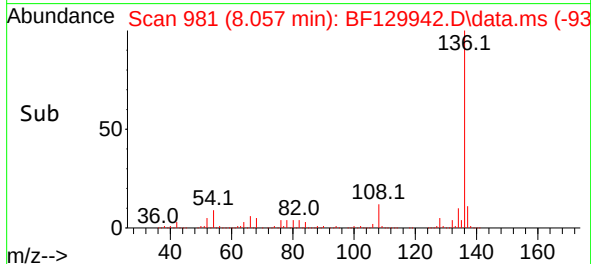
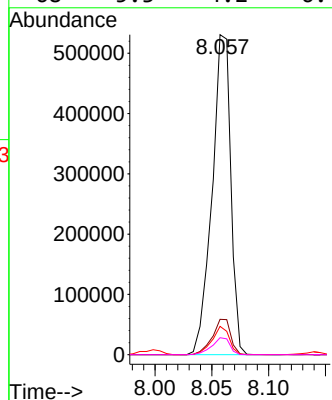
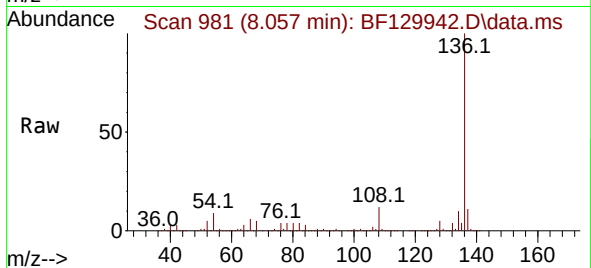




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.057 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

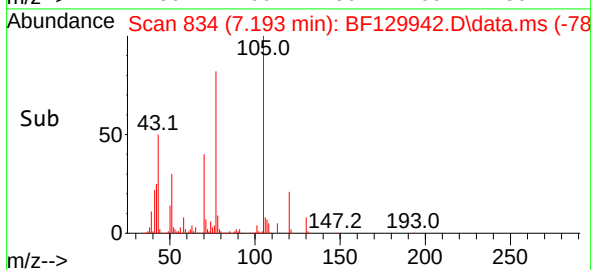
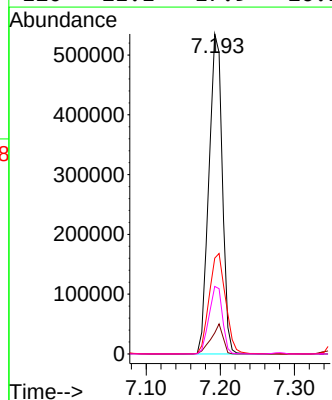
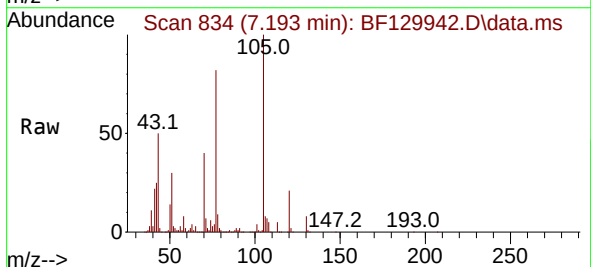
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

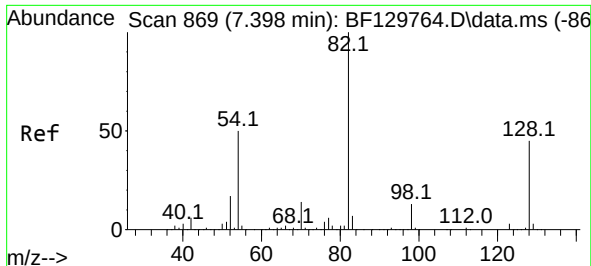
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 608741 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.4   | 12.6   |
| 54        | 8.8   | 6.2   | 9.2    |
| 68        | 5.3   | 4.2   | 6.4    |



#22  
Acetophenone  
Concen: 45.278 ng  
RT: 7.193 min Scan# 834  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 671678 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.6   | 6.6   | 9.8    |
| 51        | 29.9  | 23.8  | 35.8   |
| 120       | 21.1  | 17.9  | 26.9   |

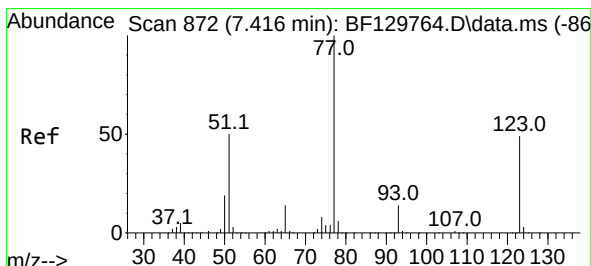
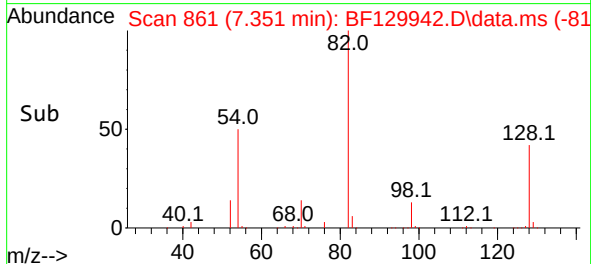
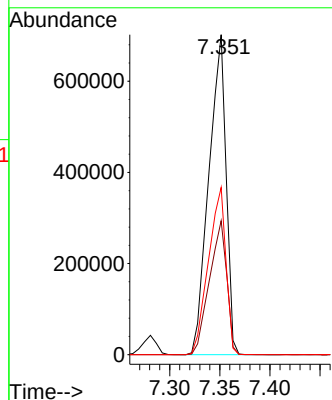
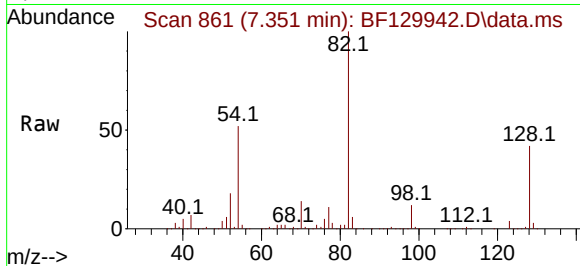




#23  
Nitrobenzene-d5  
Concen: 73.917 ng  
RT: 7.351 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

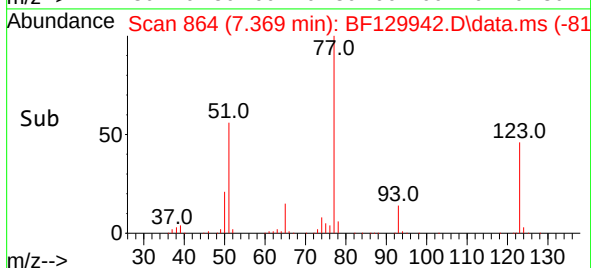
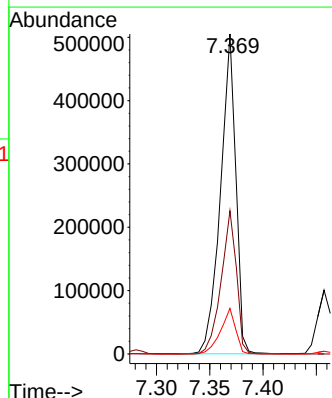
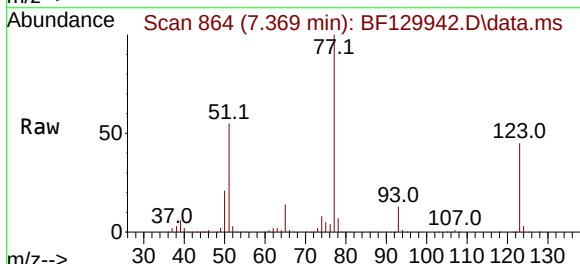
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

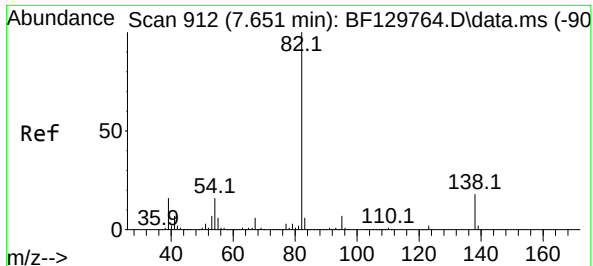
Tgt Ion: 82 Resp: 840557  
Ion Ratio Lower Upper  
82 100  
128 41.9 36.1 54.1  
54 52.3 40.0 60.0



#24  
Nitrobenzene  
Concen: 44.016 ng  
RT: 7.369 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 77 Resp: 504712  
Ion Ratio Lower Upper  
77 100  
123 44.7 39.2 58.8  
65 14.2 11.1 16.7

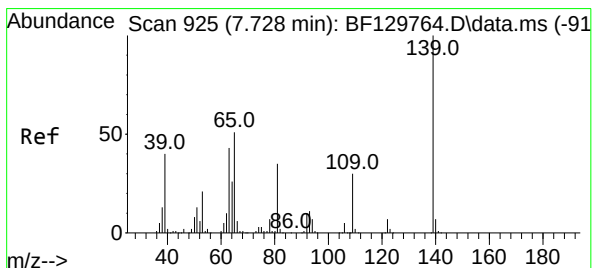
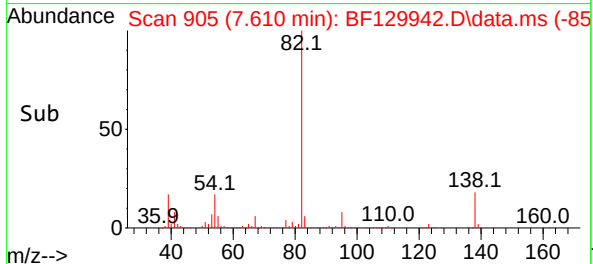
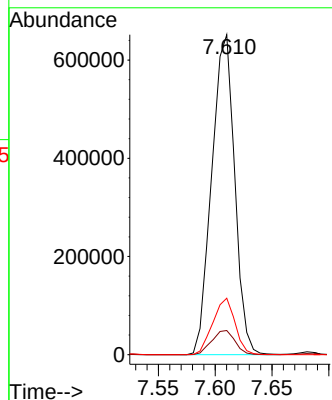
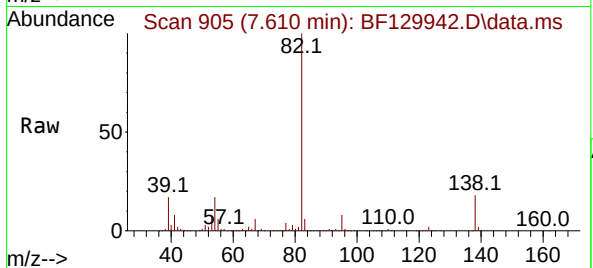




#25  
Isophorone  
Concen: 46.818 ng  
RT: 7.610 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

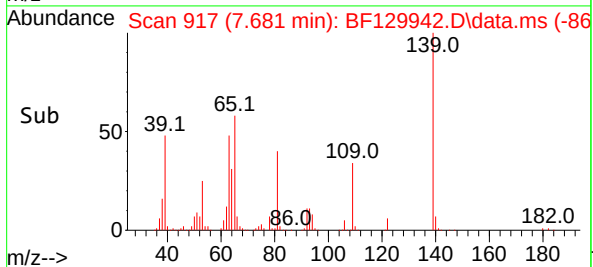
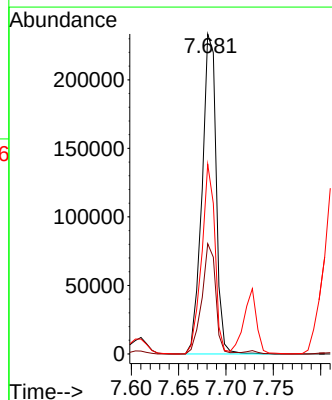
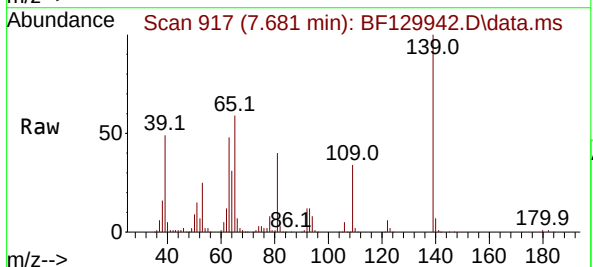
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion: 82 Resp: 916340  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.9 8.9  
138 17.6 14.6 21.8

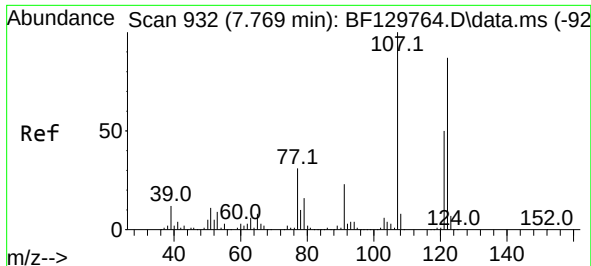


#26  
2-Nitrophenol  
Concen: 43.215 ng  
RT: 7.681 min Scan# 917  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion: 139 Resp: 243742  
Ion Ratio Lower Upper  
139 100  
109 34.5 24.4 36.6  
65 59.3 40.9 61.3







#27

2,4-Dimethylphenol

Concen: 48.925 ng

RT: 7.728 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

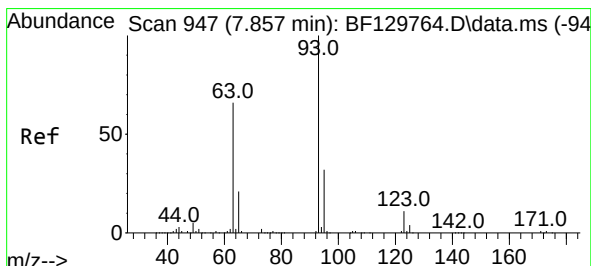
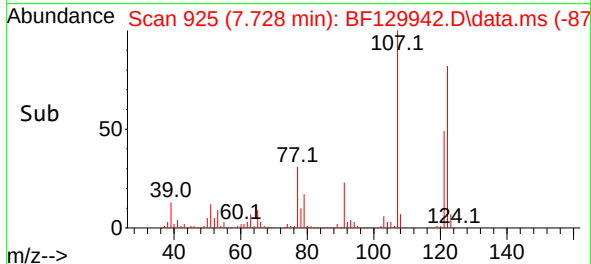
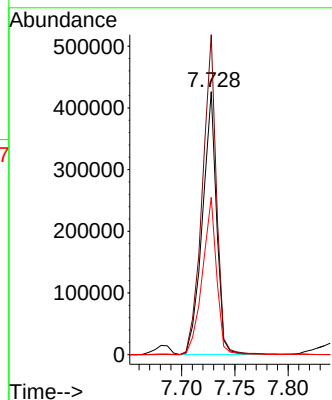
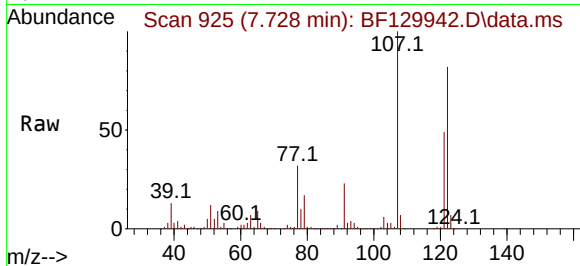
Tgt Ion:122 Resp: 395746

Ion Ratio Lower Upper

122 100

107 121.6 92.2 138.4

121 59.8 46.1 69.1



#28

bis(2-Chloroethoxy)methane

Concen: 48.174 ng

RT: 7.810 min Scan# 939

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

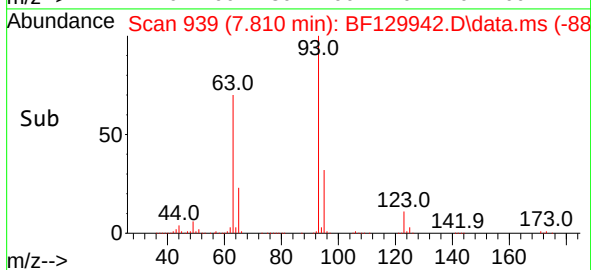
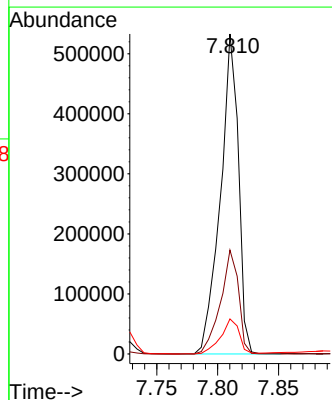
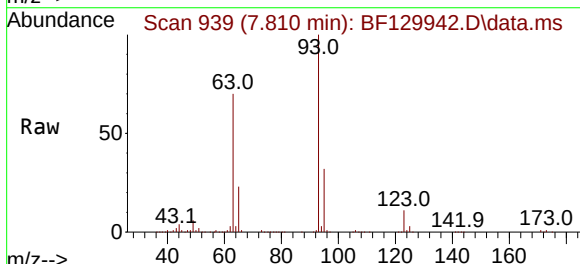
Tgt Ion: 93 Resp: 550527

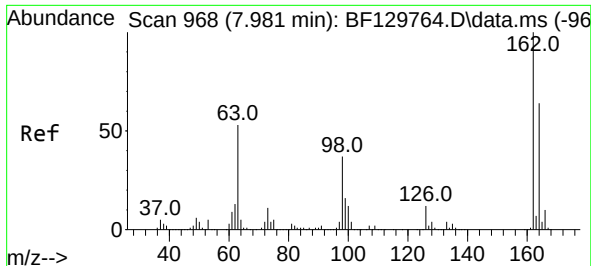
Ion Ratio Lower Upper

93 100

95 32.4 25.6 38.4

123 11.0 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 42.707 ng

RT: 7.934 min Scan# 9

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

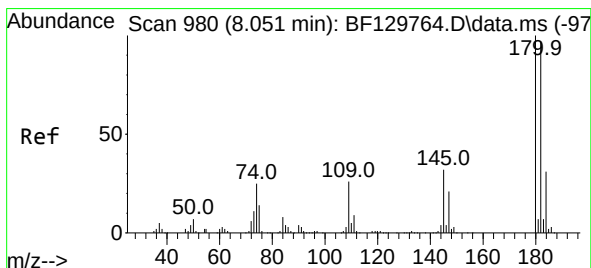
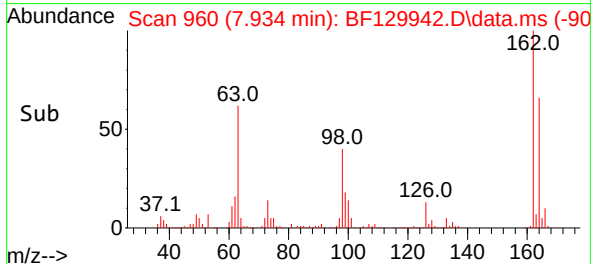
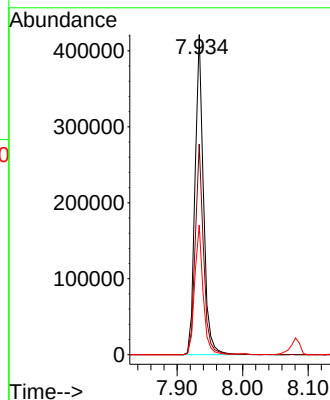
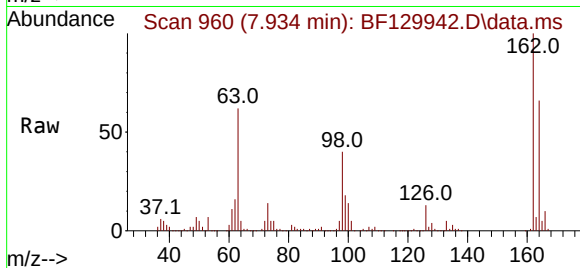
Tgt Ion:162 Resp: 377733

Ion Ratio Lower Upper

162 100

164 65.9 43.7 83.7

98 40.4 16.5 56.5



#30

1,2,4-Trichlorobenzene

Concen: 41.155 ng

RT: 7.998 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

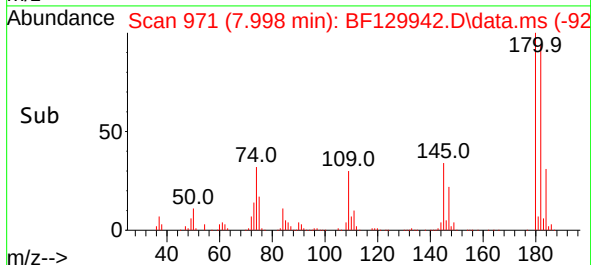
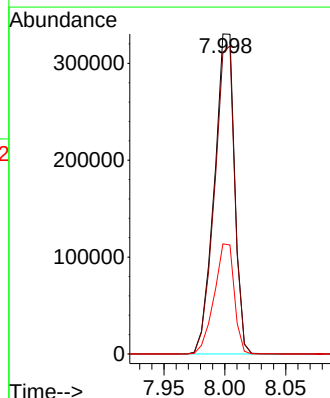
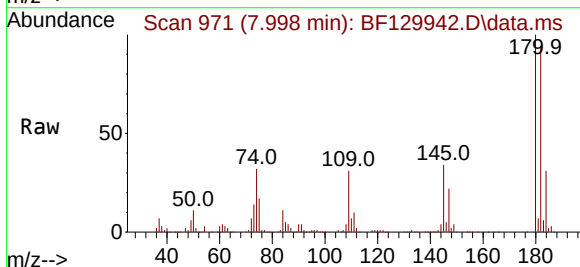
Tgt Ion:180 Resp: 384006

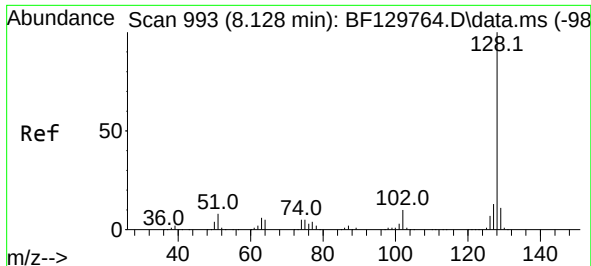
Ion Ratio Lower Upper

180 100

182 94.3 77.6 116.4

145 34.4 25.6 38.4

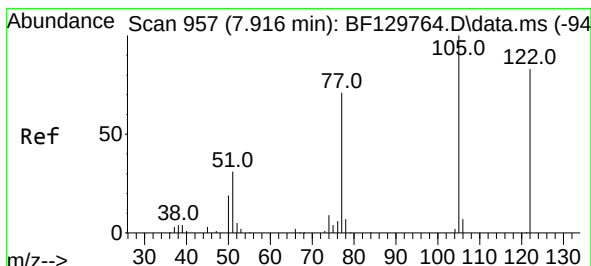
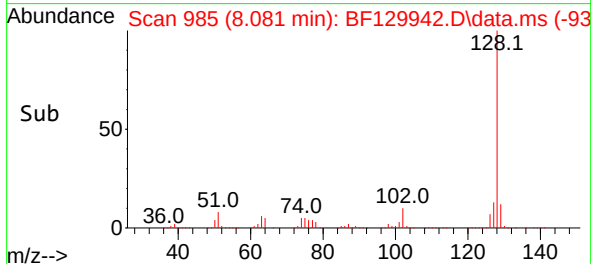
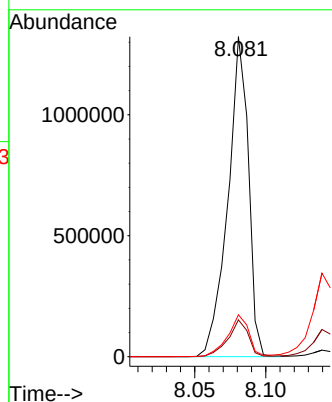
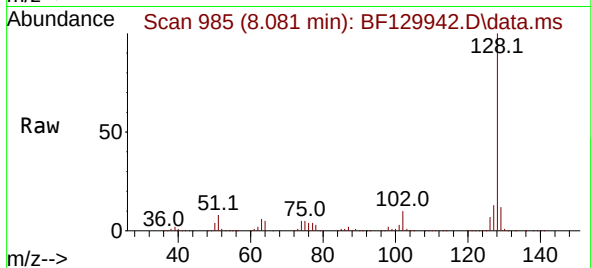




#31  
Naphthalene  
Concen: 41.771 ng  
RT: 8.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

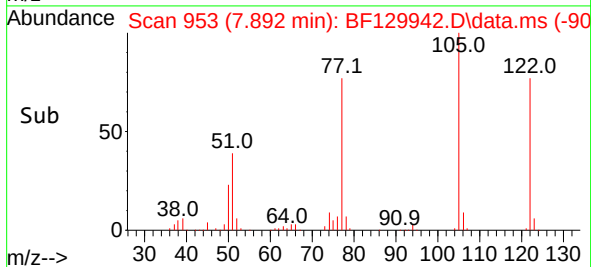
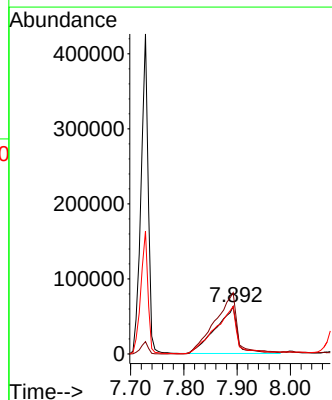
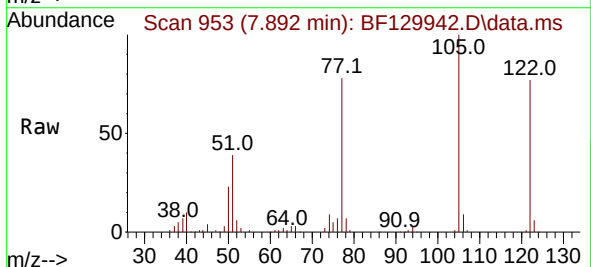
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

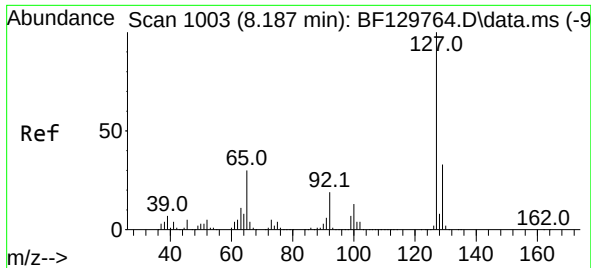
Tgt Ion:128 Resp: 1329528  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.9 13.3  
127 13.1 10.7 16.1



#32  
Benzoic acid  
Concen: 49.502 ng  
RT: 7.892 min Scan# 953  
Delta R.T. 0.012 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:122 Resp: 181743  
Ion Ratio Lower Upper  
122 100  
105 129.6 99.9 139.9  
77 100.5 65.9 105.9

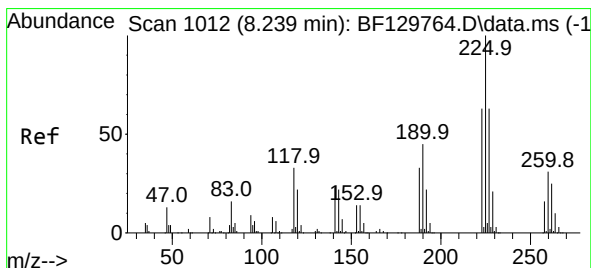
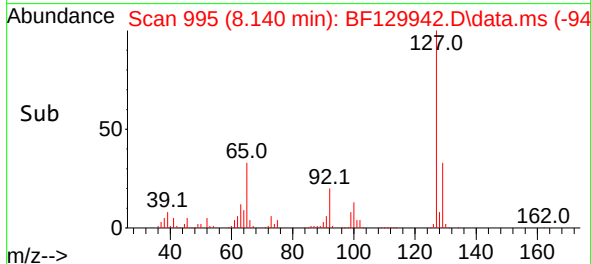
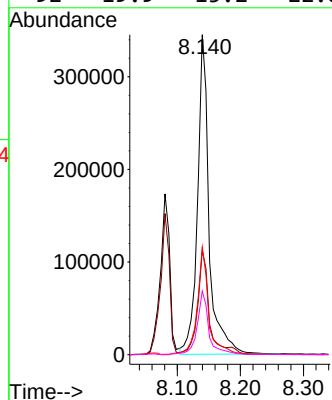
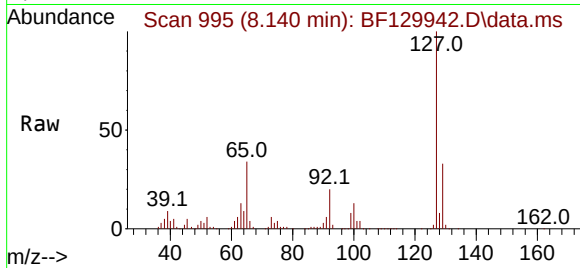




#33  
4-Chloroaniline  
Concen: 35.223 ng  
RT: 8.140 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

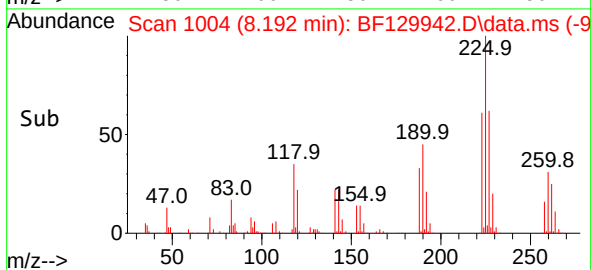
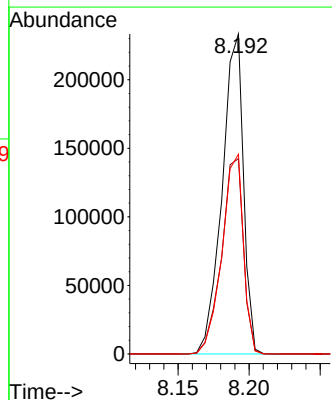
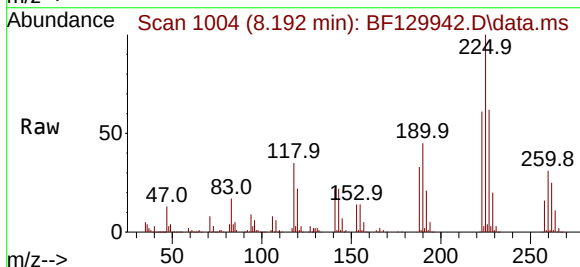
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

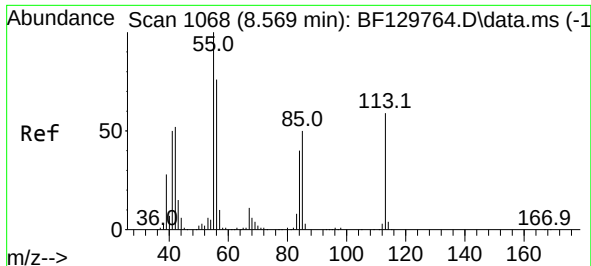
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 440866 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.5    | 26.7 40.1    |
| 65 33.6     | 24.2 36.2    |
| 92 19.9     | 15.2 22.8    |



#34  
Hexachlorobutadiene  
Concen: 42.904 ng  
RT: 8.192 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 243762 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 61.0    | 50.2 75.2    |
| 227 62.4    | 50.6 75.8    |

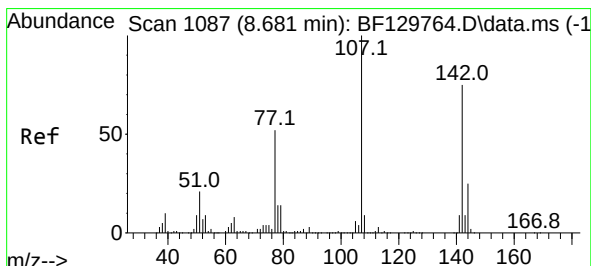
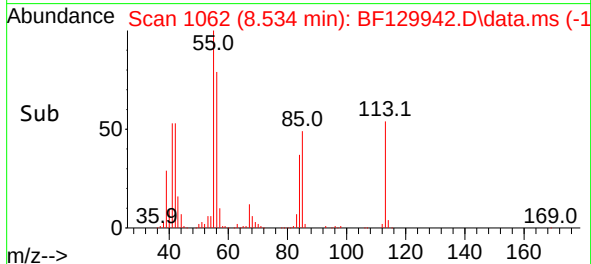
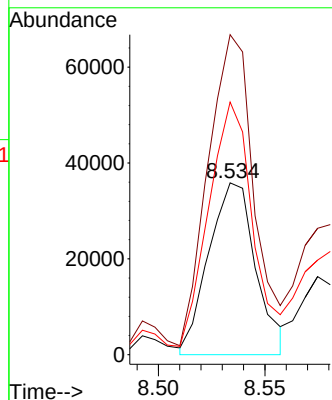
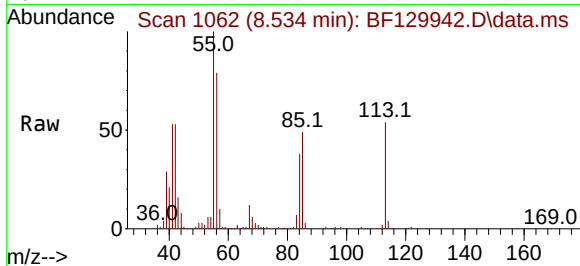




#35  
 Caprolactam  
 Concen: 20.044 ng  
 RT: 8.534 min Scan# 1062  
 Delta R.T. 0.006 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

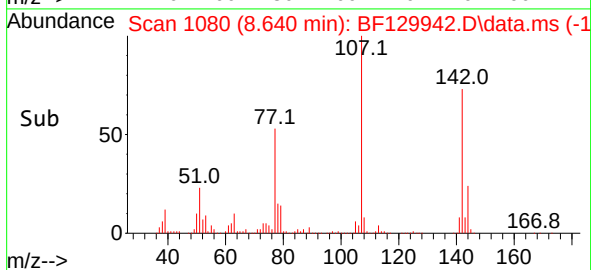
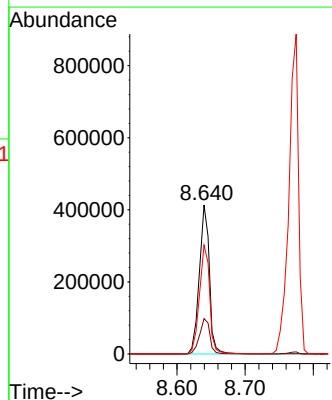
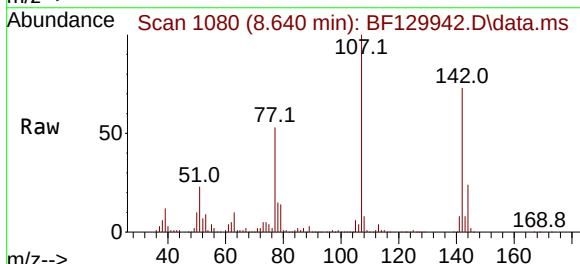
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

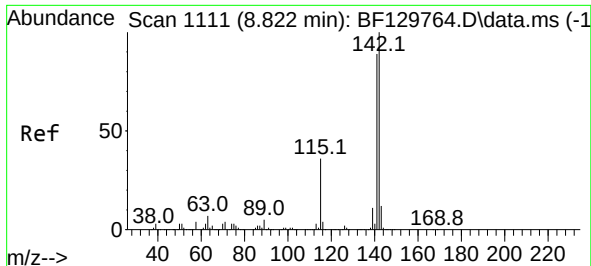
Tgt Ion:113 Resp: 55131  
 Ion Ratio Lower Upper  
 113 100  
 55 186.2 148.8 188.8  
 56 147.1 109.1 149.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.573 ng  
 RT: 8.640 min Scan# 1080  
 Delta R.T. 0.006 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

Tgt Ion:107 Resp: 425308  
 Ion Ratio Lower Upper  
 107 100  
 144 23.7 19.9 29.9  
 142 73.0 60.2 90.4





#37

2-Methylnaphthalene

Concen: 41.896 ng

RT: 8.775 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

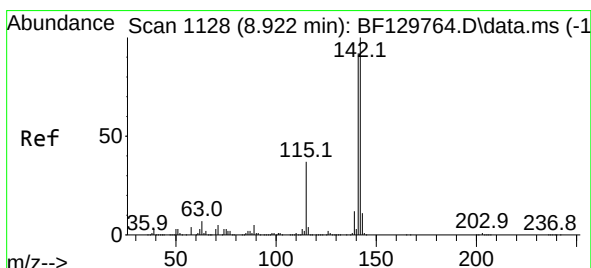
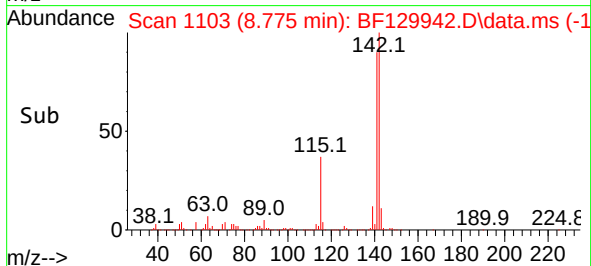
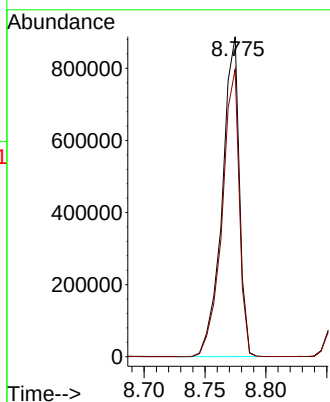
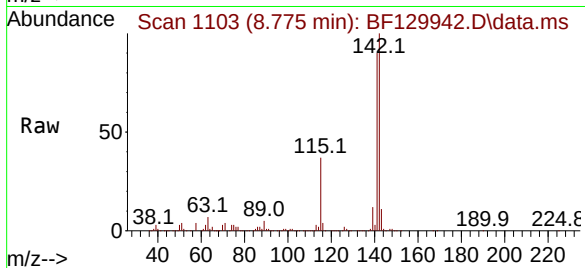
UST-NORTHMSD

Tgt Ion:142 Resp: 875212

Ion Ratio Lower Upper

142 100

141 89.8 70.9 106.3



#38

1-Methylnaphthalene

Concen: 41.196 ng

RT: 8.875 min Scan# 1120

Delta R.T. 0.006 min

Lab File: BF129942.D

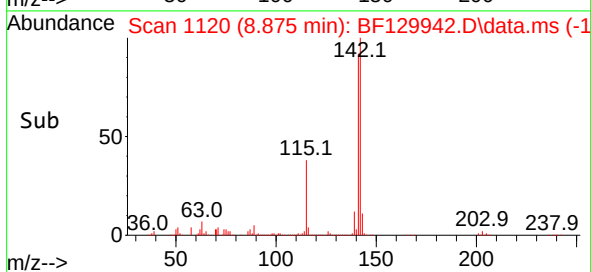
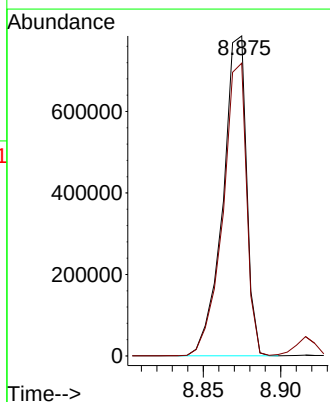
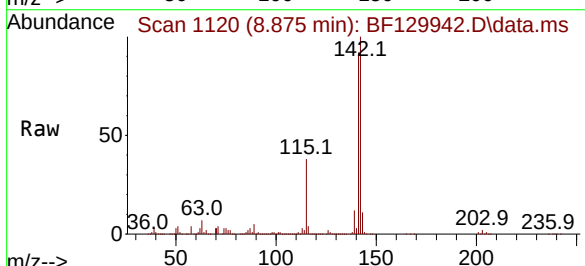
Acq: 22 Aug 2022 16:04

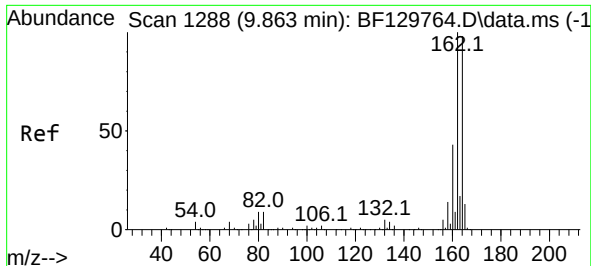
Tgt Ion:142 Resp: 836368

Ion Ratio Lower Upper

142 100

141 91.5 73.5 110.3

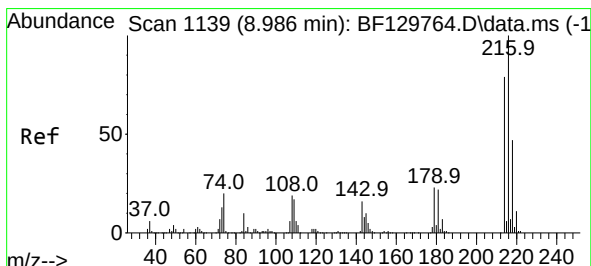
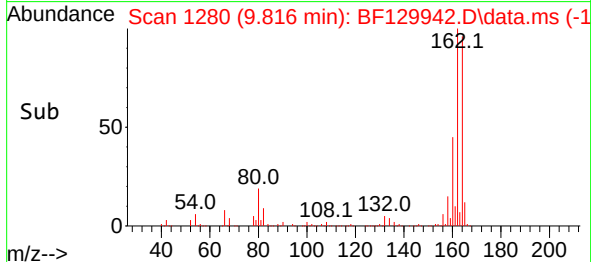
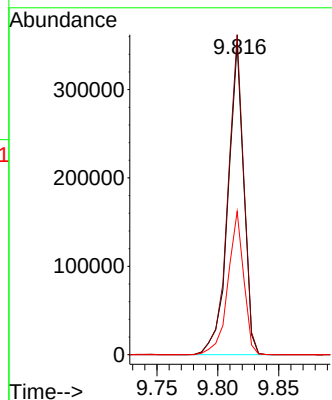
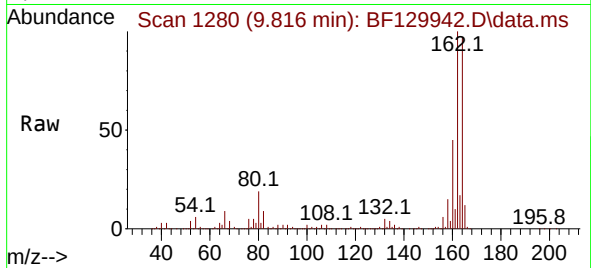




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.816 min Scan# 1129  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

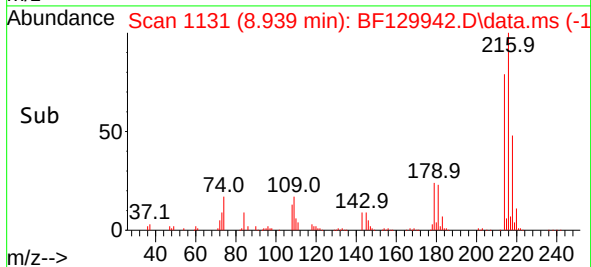
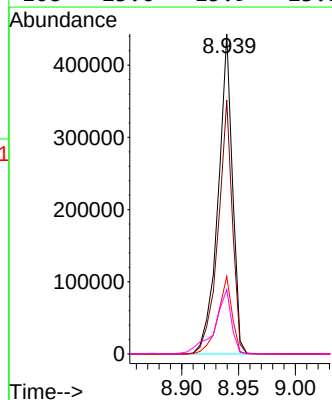
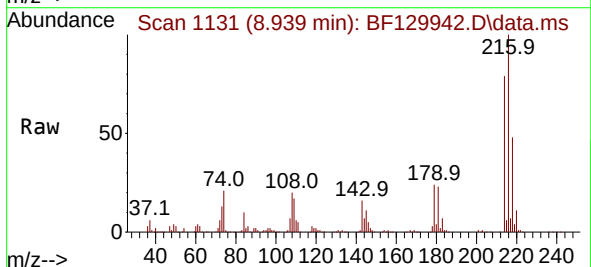
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

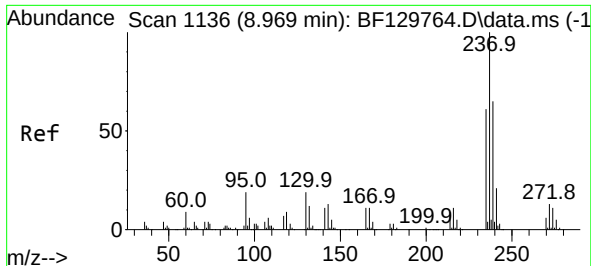
Tgt Ion:164 Resp: 316644  
Ion Ratio Lower Upper  
164 100  
162 103.0 82.0 123.0  
160 46.1 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.261 ng  
RT: 8.939 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:216 Resp: 389799  
Ion Ratio Lower Upper  
216 100  
214 78.7 63.1 94.7  
179 23.9 18.1 27.1  
108 23.6 15.9 23.9

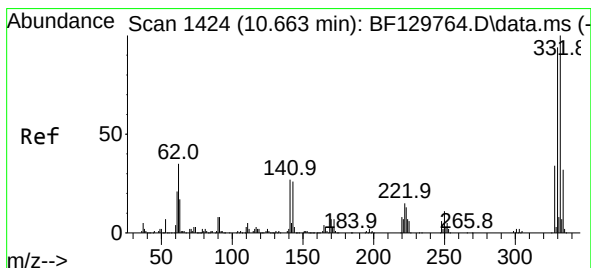
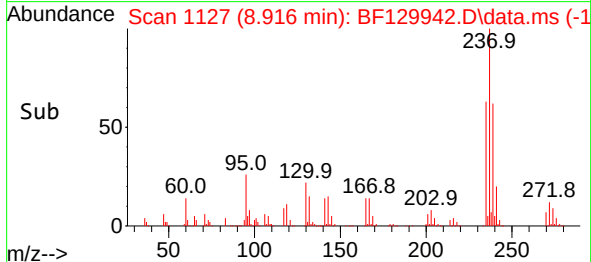
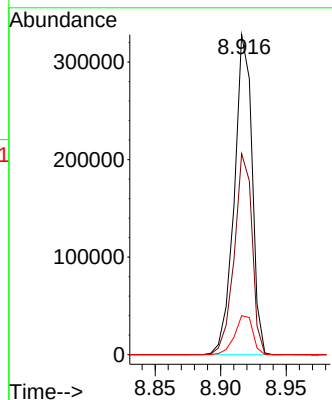
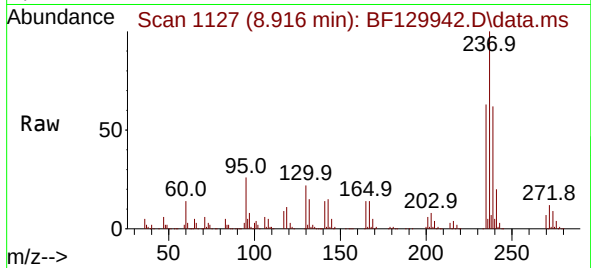




#41  
Hexachlorocyclopentadiene  
Concen: 96.474 ng  
RT: 8.916 min Scan# 1136  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

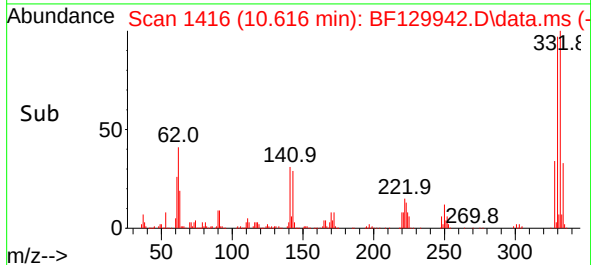
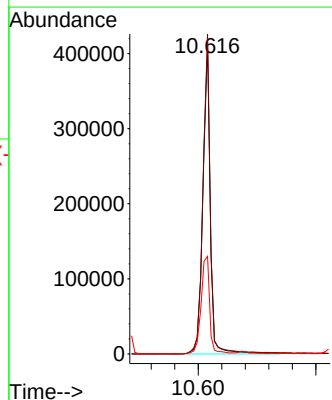
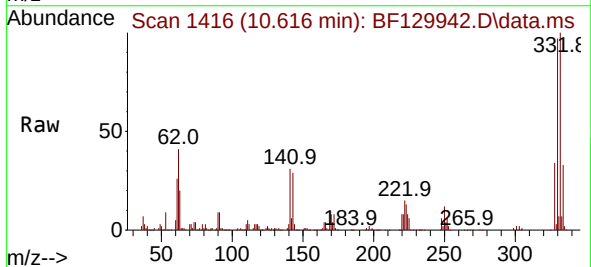
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion:237 Resp: 310256  
Ion Ratio Lower Upper  
237 100  
235 62.8 41.5 81.5  
272 12.2 0.0 33.3

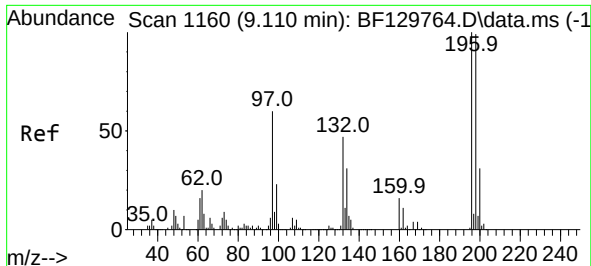


#42  
2,4,6-Tribromophenol  
Concen: 113.608 ng  
RT: 10.616 min Scan# 1416  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:330 Resp: 361045  
Ion Ratio Lower Upper  
330 100  
332 103.8 82.6 124.0  
141 36.7 27.6 41.4



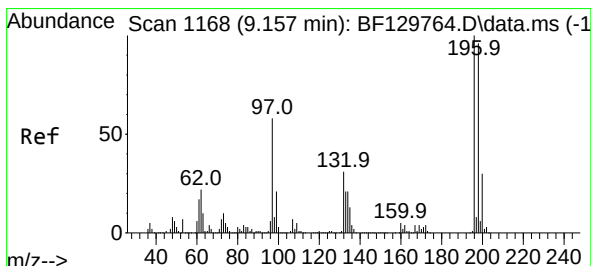
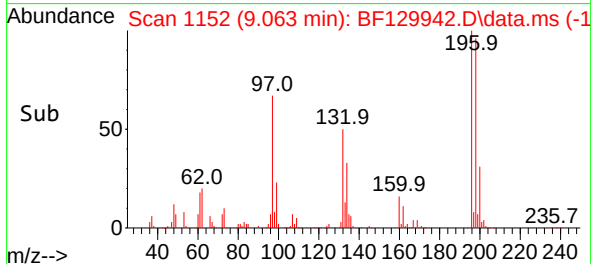
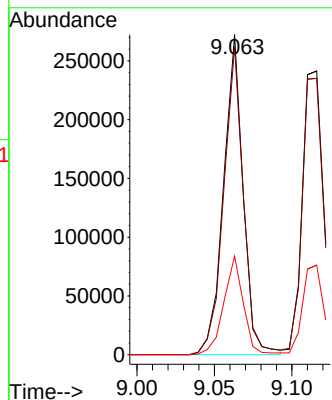
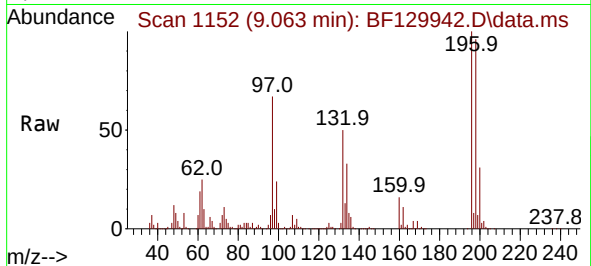




#43  
2,4,6-Trichlorophenol  
Concen: 41.935 ng  
RT: 9.063 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

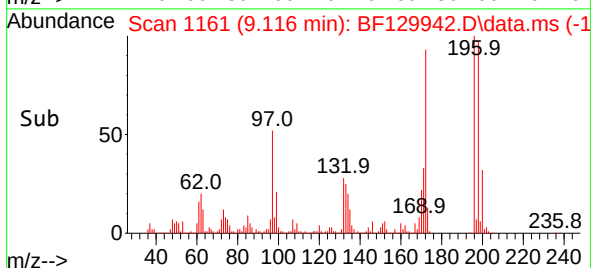
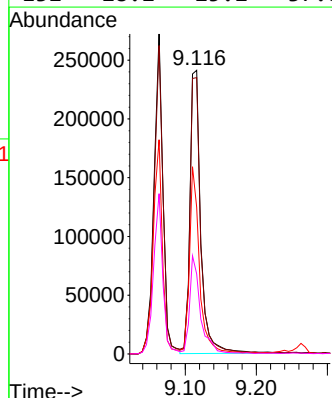
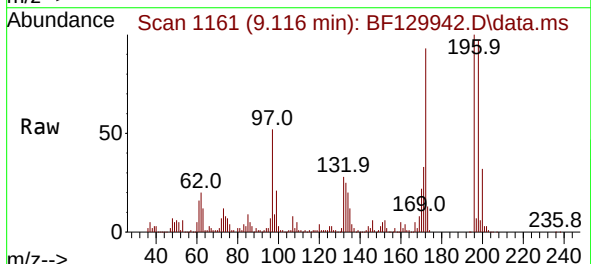
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

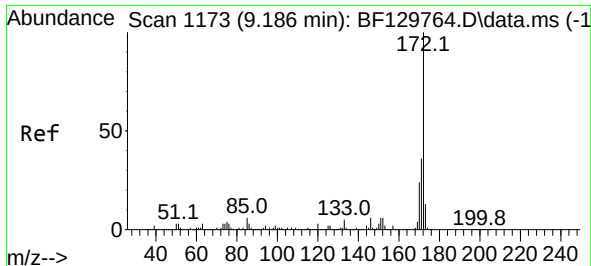
Tgt Ion:196 Resp: 239953  
Ion Ratio Lower Upper  
196 100  
198 96.4 79.0 118.4  
200 30.8 25.1 37.7



#44  
2,4,5-Trichlorophenol  
Concen: 41.581 ng  
RT: 9.116 min Scan# 1161  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:196 Resp: 255978  
Ion Ratio Lower Upper  
196 100  
198 97.4 76.4 114.6  
97 51.7 46.5 69.7  
132 28.2 25.2 37.8

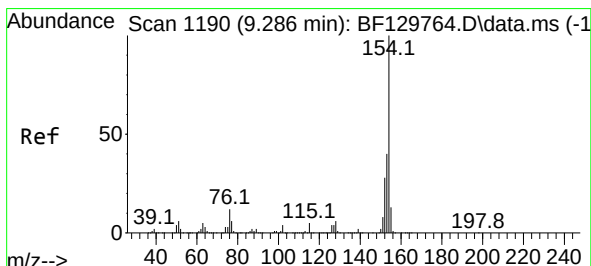
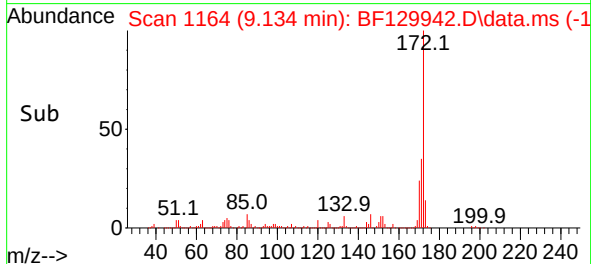
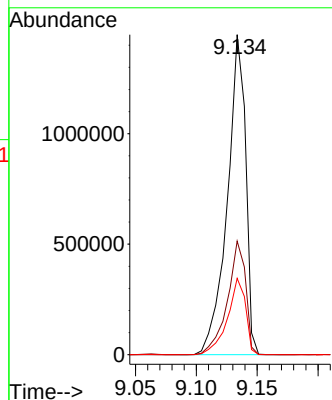
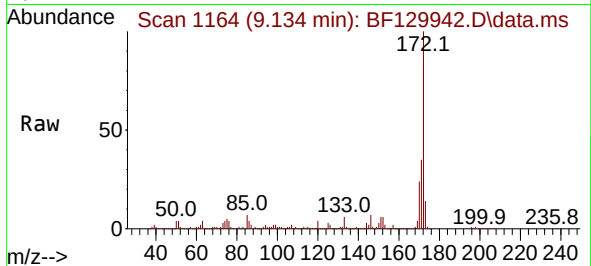




#45  
2-Fluorobiphenyl  
Concen: 72.918 ng  
RT: 9.134 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

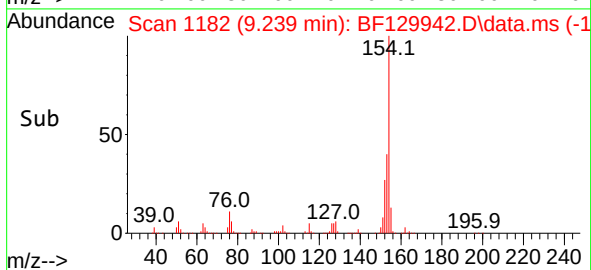
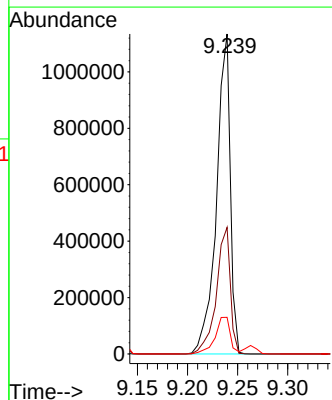
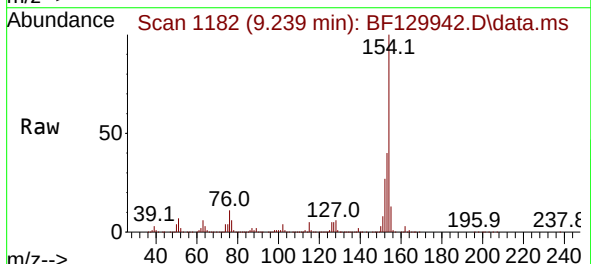
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

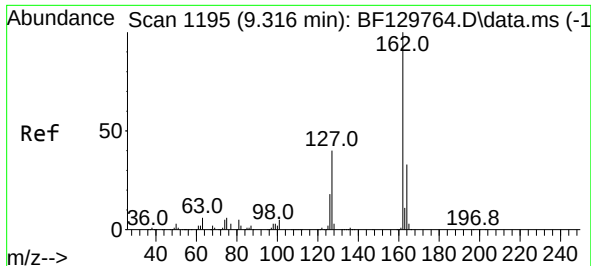
Tgt Ion:172 Resp: 1520204  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.4 42.6  
170 23.9 19.1 28.7



#46  
1,1'-Biphenyl  
Concen: 44.956 ng  
RT: 9.239 min Scan# 1182  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:154 Resp: 1081433  
Ion Ratio Lower Upper  
154 100  
153 39.5 20.2 60.2  
76 11.4 0.0 32.1





#47

2-Chloronaphthalene

Concen: 43.284 ng

RT: 9.263 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

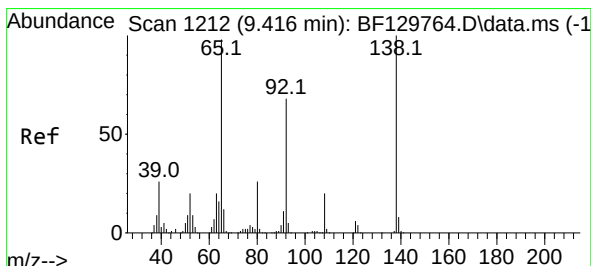
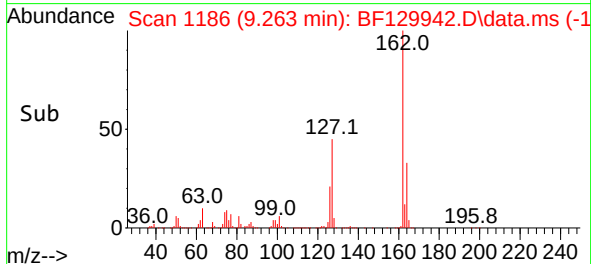
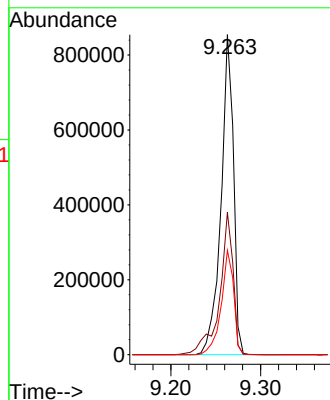
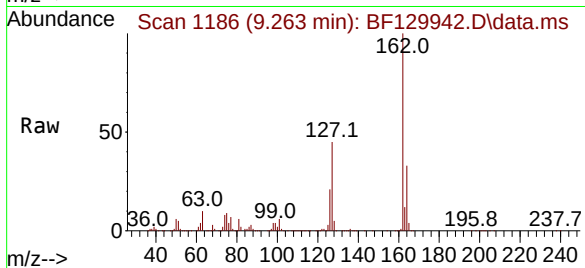
Tgt Ion:162 Resp: 823832

Ion Ratio Lower Upper

162 100

127 44.5 33.1 49.7

164 32.6 26.7 40.1



#48

2-Nitroaniline

Concen: 45.653 ng

RT: 9.375 min Scan# 1205

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

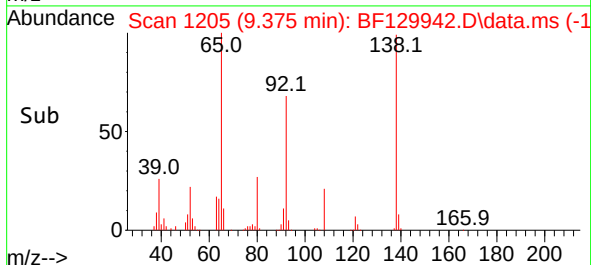
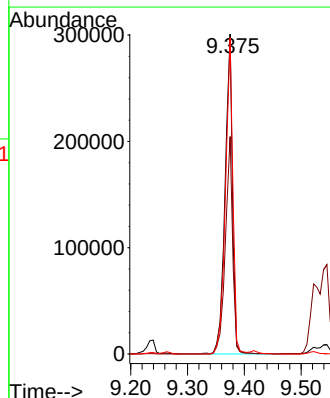
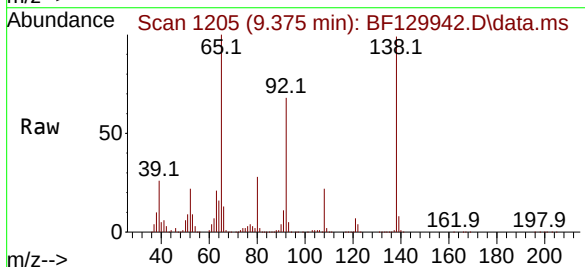
Tgt Ion: 65 Resp: 274597

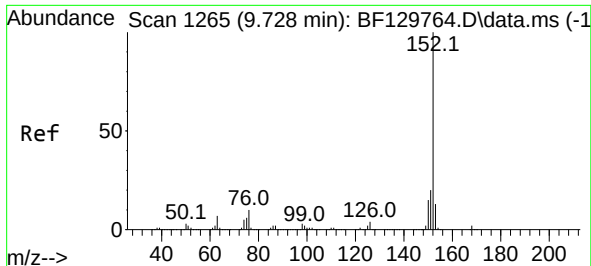
Ion Ratio Lower Upper

65 100

92 67.9 55.0 82.4

138 98.9 81.3 121.9





#49

Acenaphthylene

Concen: 42.711 ng

RT: 9.681 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

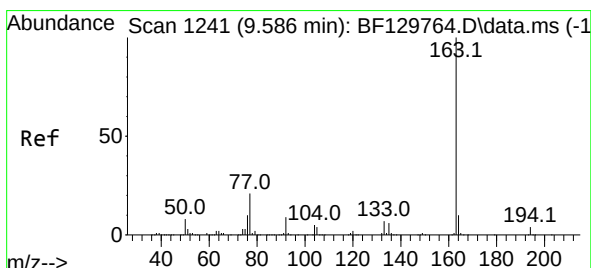
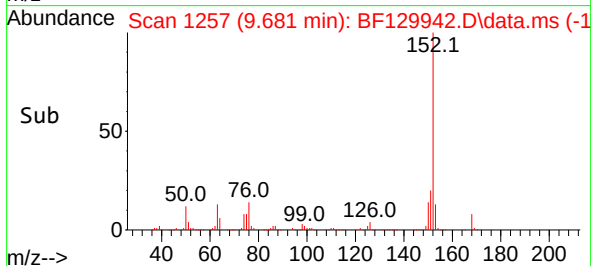
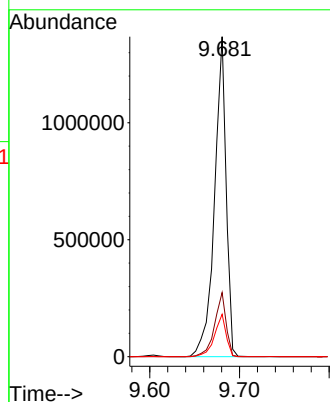
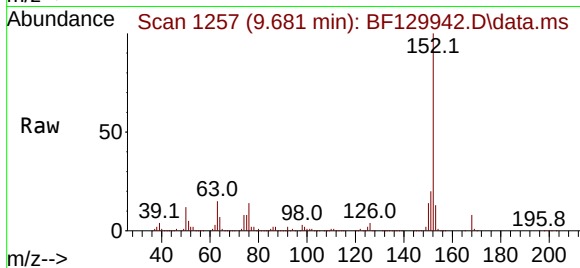
Tgt Ion:152 Resp: 1232741

Ion Ratio Lower Upper

152 100

151 20.0 16.1 24.1

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 42.549 ng

RT: 9.545 min Scan# 1234

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

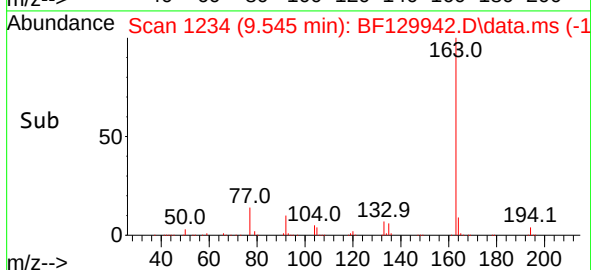
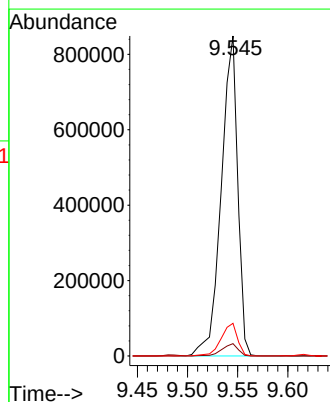
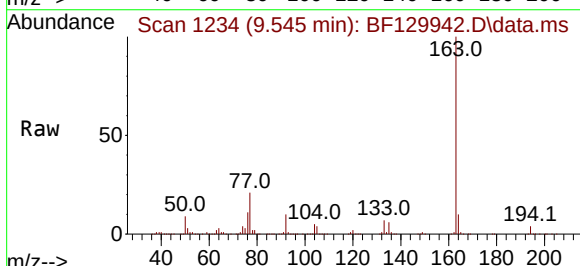
Tgt Ion:163 Resp: 965824

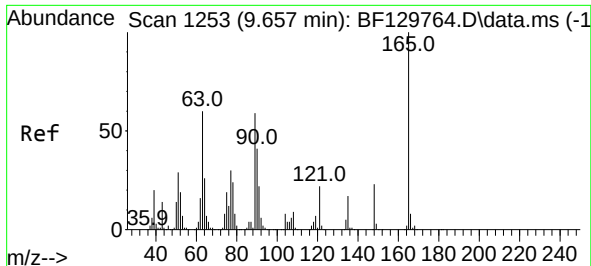
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.2 8.2 12.2

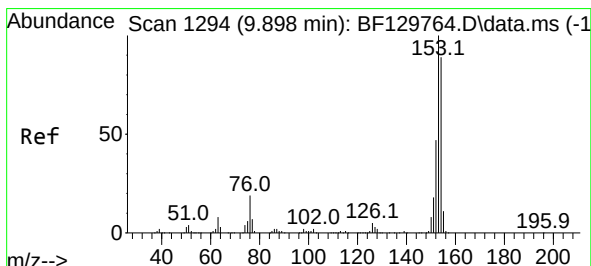
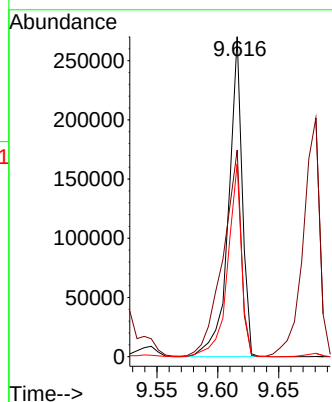
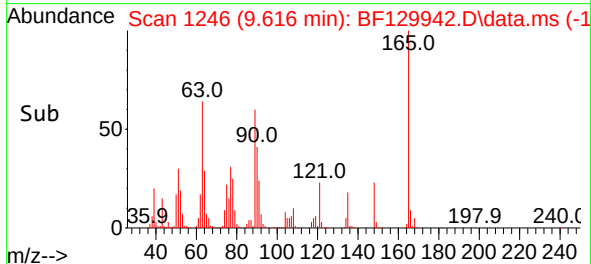
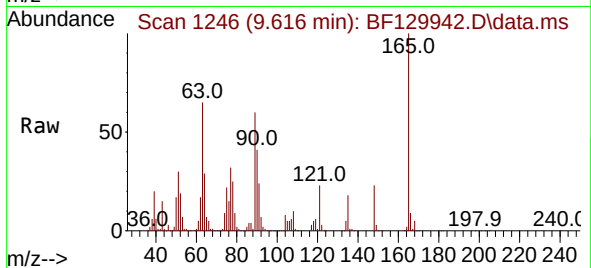




#51  
2,6-Dinitrotoluene  
Concen: 42.758 ng  
RT: 9.616 min Scan# 1246  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

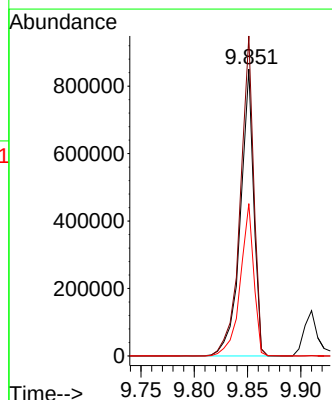
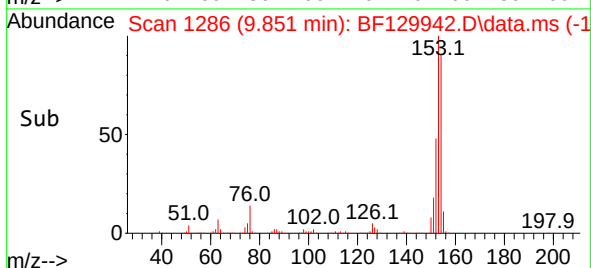
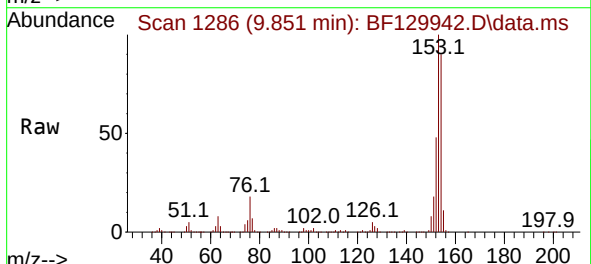
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BNA\_F  
ClientSampleId :  
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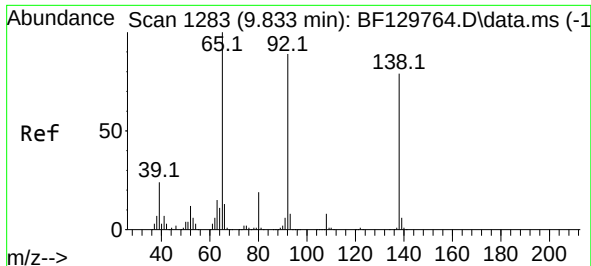
Tgt Ion:165 Resp: 210542  
Ion Ratio Lower Upper  
165 100  
63 64.6 47.8 71.8  
89 60.3 47.2 70.8



#52  
Acenaphthene  
Concen: 42.612 ng  
RT: 9.851 min Scan# 1286  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:154 Resp: 746171  
Ion Ratio Lower Upper  
154 100  
153 111.6 89.8 134.6  
152 53.1 42.1 63.1

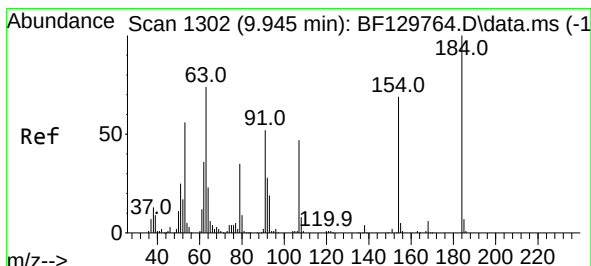
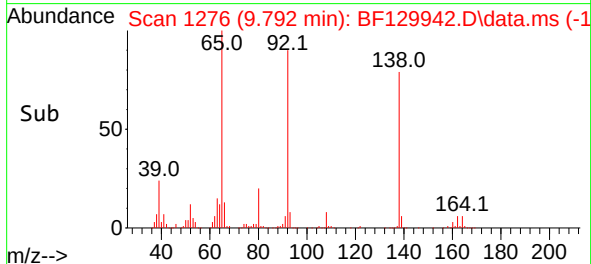
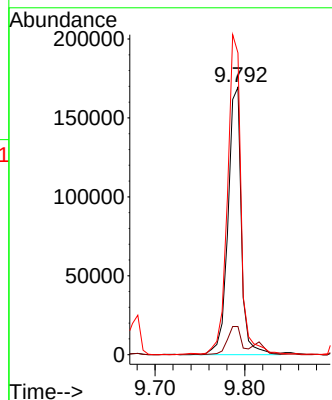
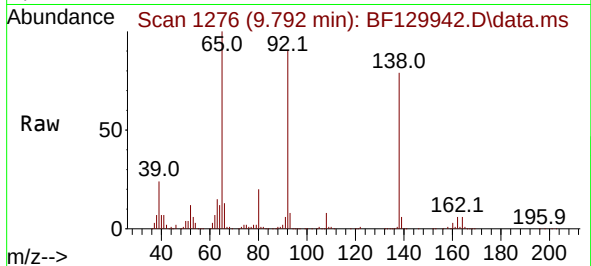




#53  
3-Nitroaniline  
Concen: 32.241 ng  
RT: 9.792 min Scan# 1276  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

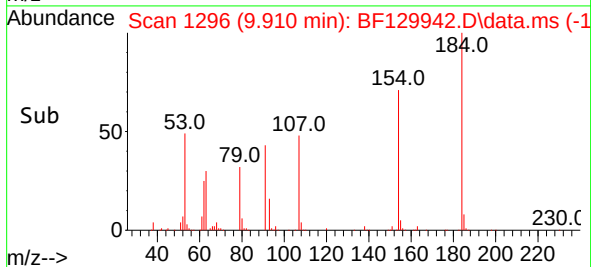
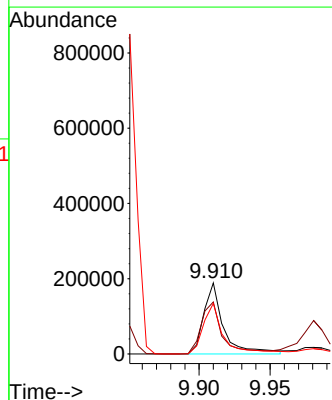
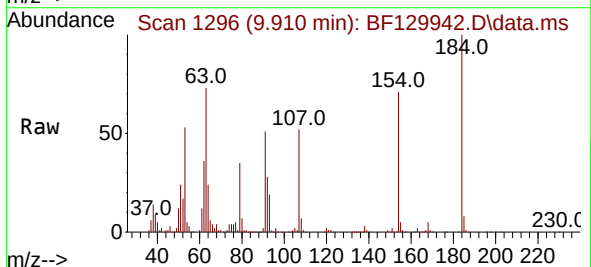
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BNA\_F  
ClientSampleId :  
UST-NORTHMSD

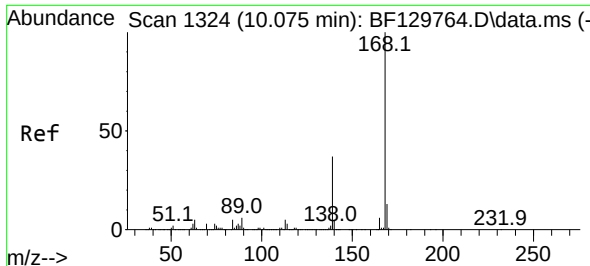
Tgt Ion:138 Resp: 175563  
Ion Ratio Lower Upper  
138 100  
108 10.5 8.4 12.6  
92 112.9 89.8 134.8



#54  
2,4-Dinitrophenol  
Concen: 82.472 ng  
RT: 9.910 min Scan# 1296  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:184 Resp: 184006  
Ion Ratio Lower Upper  
184 100  
63 73.3 59.6 89.4  
154 71.1 55.3 82.9

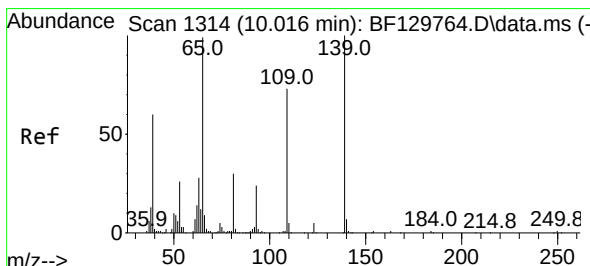
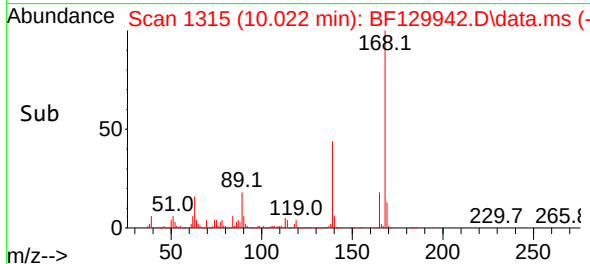
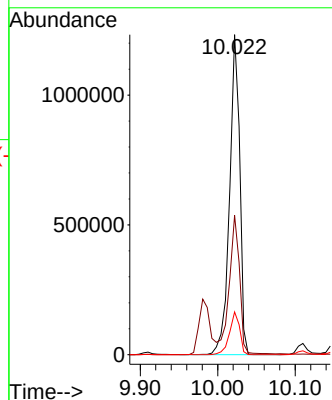
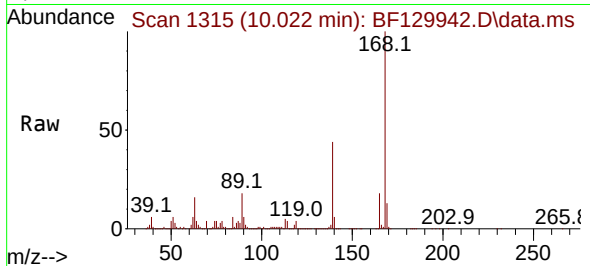




#55  
Dibenzofuran  
Concen: 42.812 ng  
RT: 10.022 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

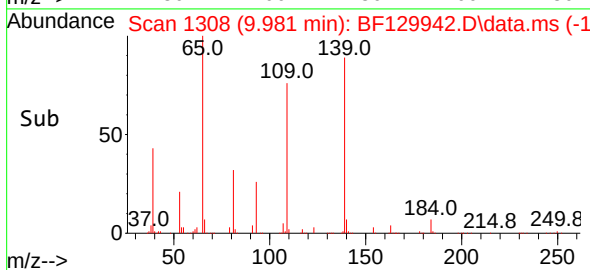
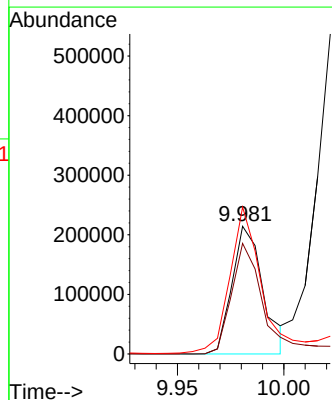
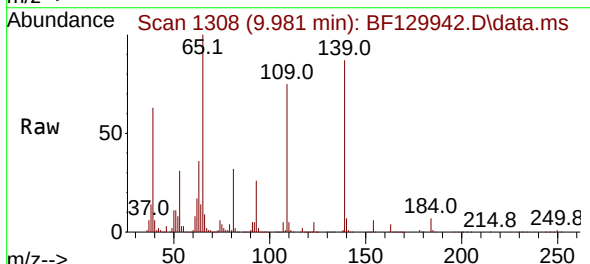
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BNA\_F  
ClientSampleId :  
UST-NORTHMSD

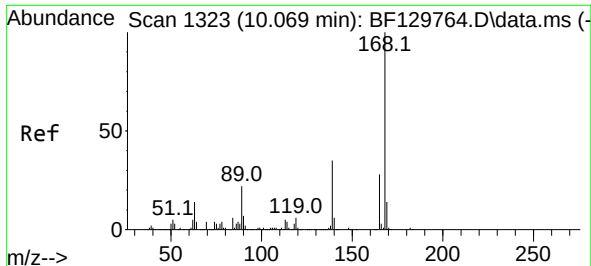
Tgt Ion:168 Resp: 1126255  
Ion Ratio Lower Upper  
168 100  
139 43.6 31.3 46.9  
169 13.4 10.7 16.1



#56  
4-Nitrophenol  
Concen: 89.739 ng  
RT: 9.981 min Scan# 1308  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:139 Resp: 217395  
Ion Ratio Lower Upper  
139 100  
109 86.6 52.9 92.9  
65 115.1 79.5 119.5

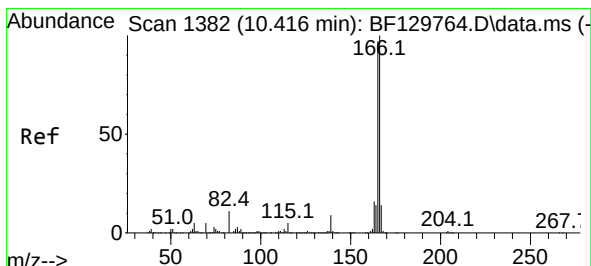
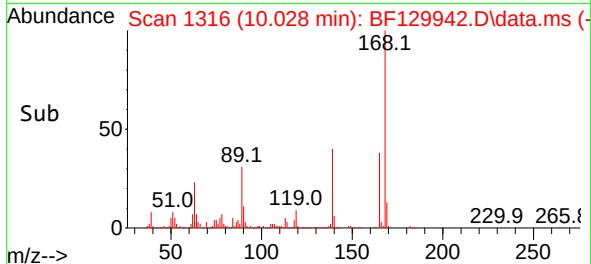
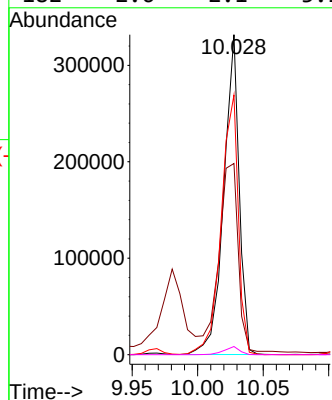
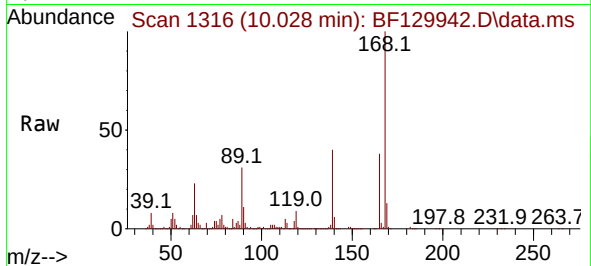




#57  
2,4-Dinitrotoluene  
Concen: 42.561 ng  
RT: 10.028 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

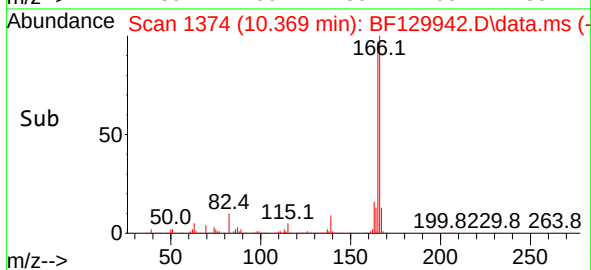
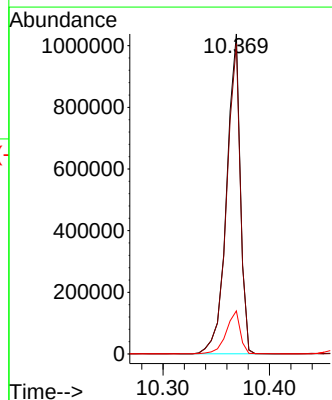
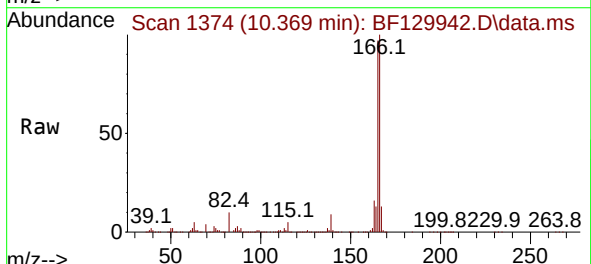
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion:165 Resp: 272047  
Ion Ratio Lower Upper  
165 100  
63 59.8 48.4 72.6  
89 81.2 62.3 93.5  
182 2.6 2.1 3.1

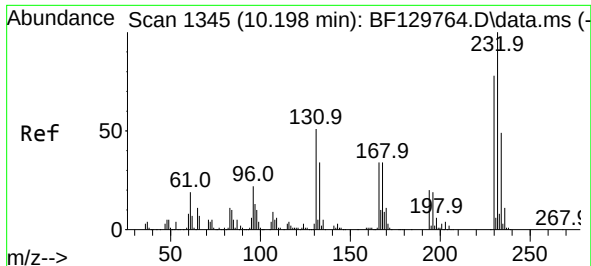


#58  
Fluorene  
Concen: 41.942 ng  
RT: 10.369 min Scan# 1374  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:166 Resp: 921285  
Ion Ratio Lower Upper  
166 100  
165 96.9 77.9 116.9  
167 13.5 11.0 16.4

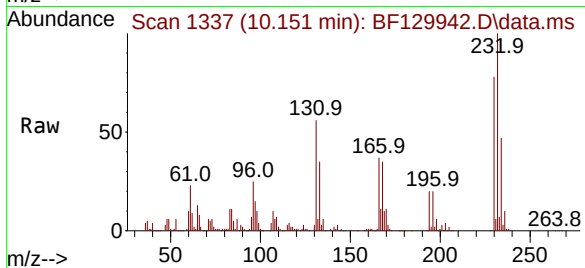




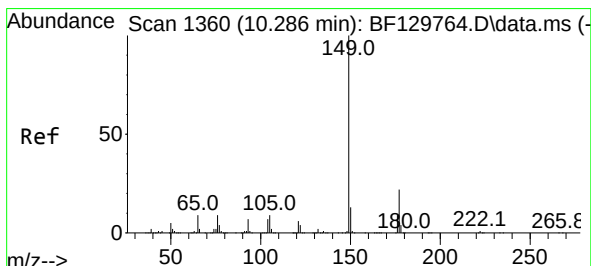
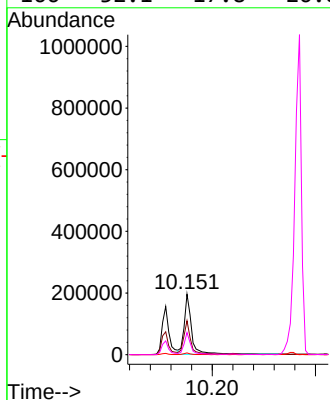
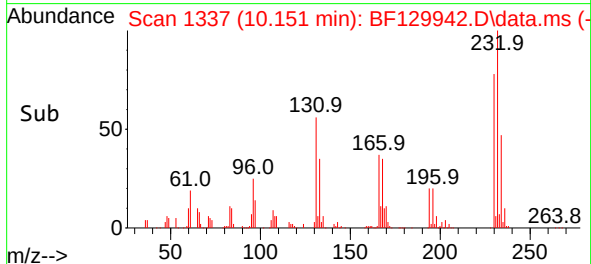


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.991 ng  
RT: 10.151 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

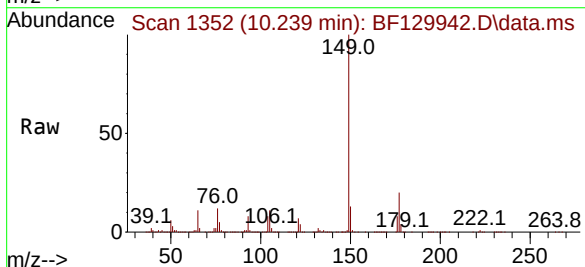
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD



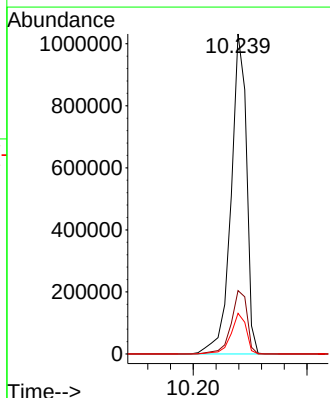
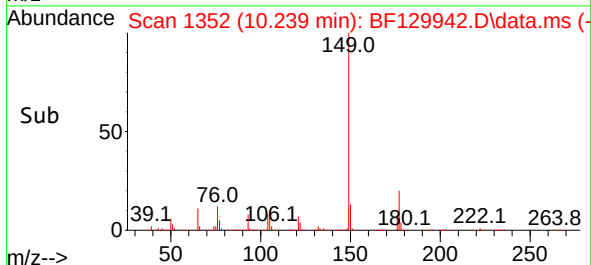
Tgt Ion:232 Resp: 194228  
Ion Ratio Lower Upper  
232 100  
131 53.2 29.9 44.9#  
130 2.7 1.5 2.3#  
166 32.1 17.8 26.8#

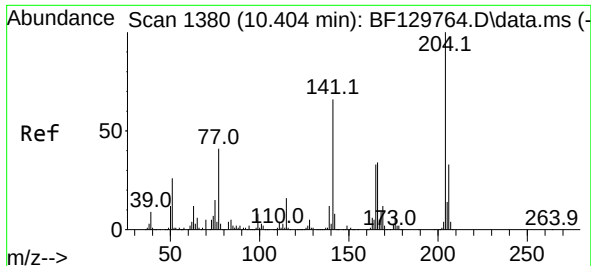


#60  
Diethylphthalate  
Concen: 42.997 ng  
RT: 10.239 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04



Tgt Ion:149 Resp: 973164  
Ion Ratio Lower Upper  
149 100  
177 19.8 17.7 26.5  
150 12.7 10.1 15.1

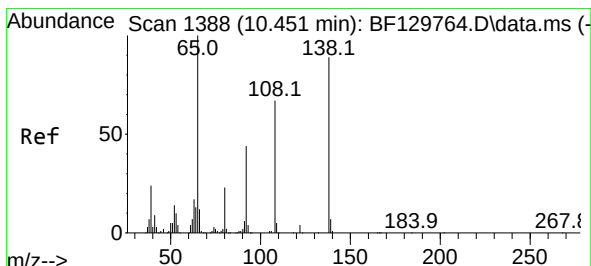
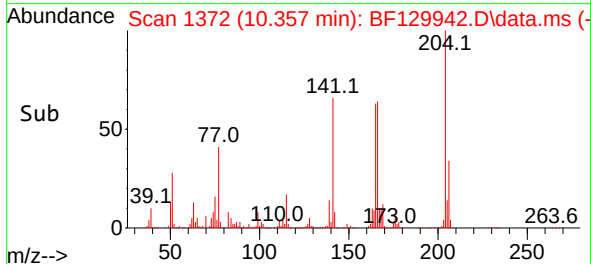
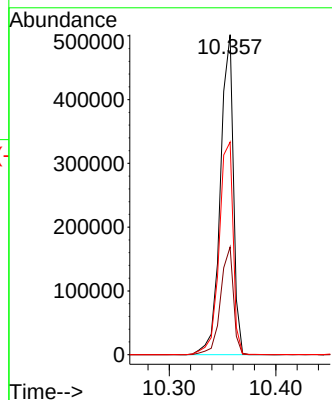
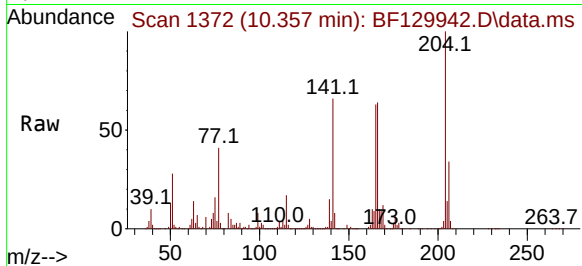




#61  
4-Chlorophenyl-phenylether  
Concen: 43.039 ng  
RT: 10.357 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

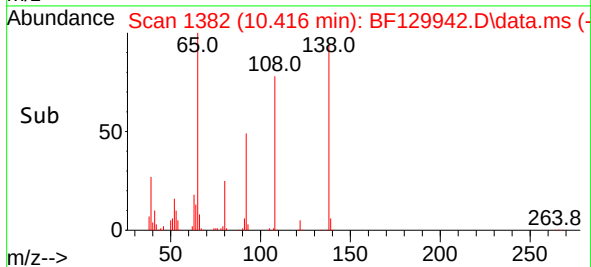
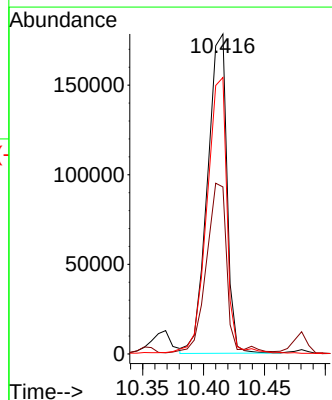
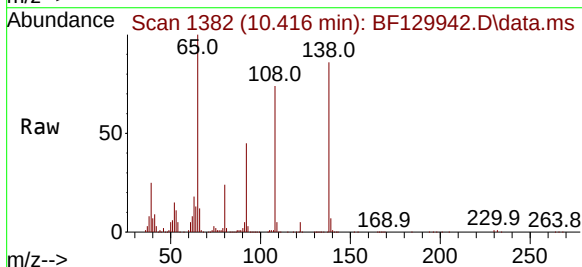
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BNA\_F  
ClientSampleId :  
UST-NORTHMSD

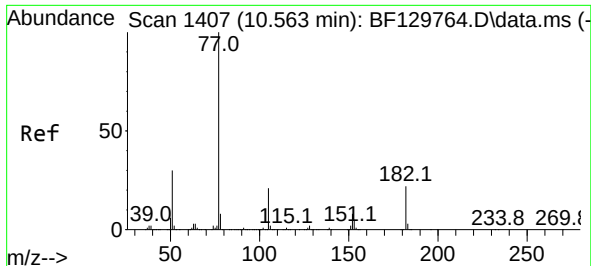
Tgt Ion:204 Resp: 424255  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.5 39.7  
141 66.5 52.6 79.0



#62  
4-Nitroaniline  
Concen: 36.113 ng  
RT: 10.416 min Scan# 1382  
Delta R.T. 0.012 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:138 Resp: 198387  
Ion Ratio Lower Upper  
138 100  
92 52.2 30.3 70.3  
108 86.4 55.7 95.7

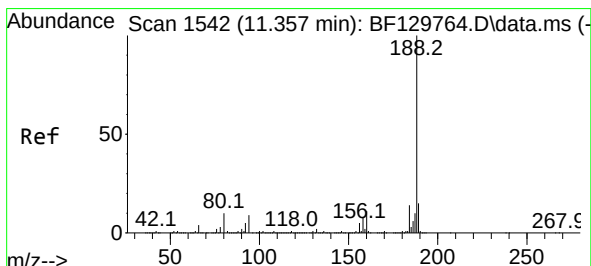
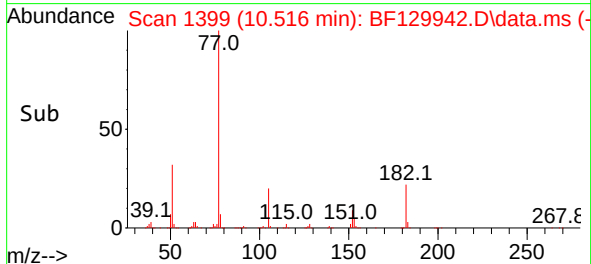
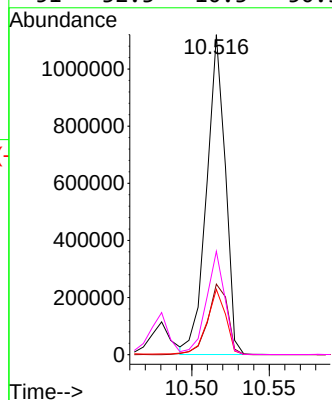
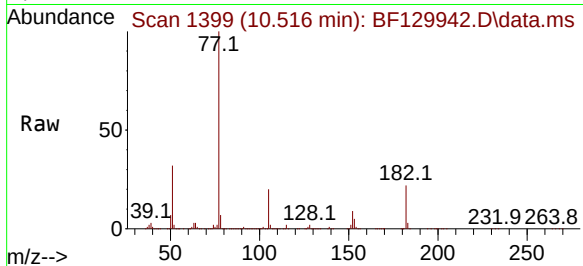




#63  
 Azobenzene  
 Concen: 43.333 ng  
 RT: 10.516 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

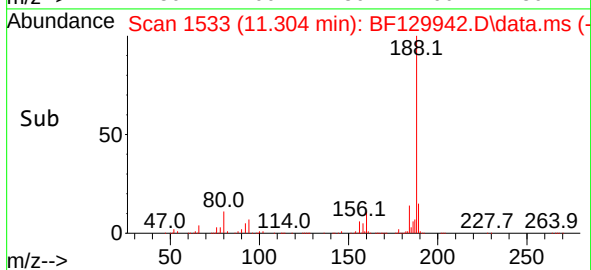
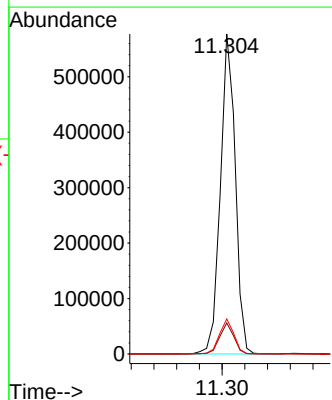
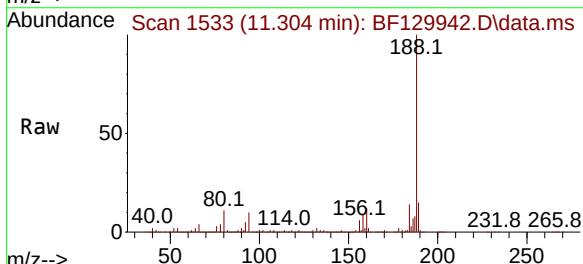
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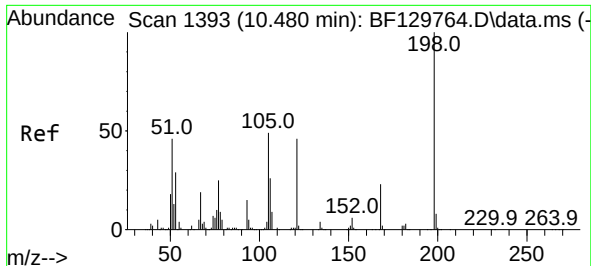
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 937465 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 22.0    | 2.2 42.2     |
| 105 20.4    | 0.8 40.8     |
| 51 32.3     | 10.3 50.3    |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.304 min Scan# 1533  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 527253 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.7      | 7.4 11.2     |
| 80 11.0     | 7.9 11.9     |

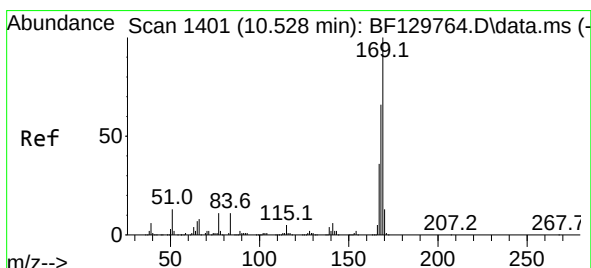
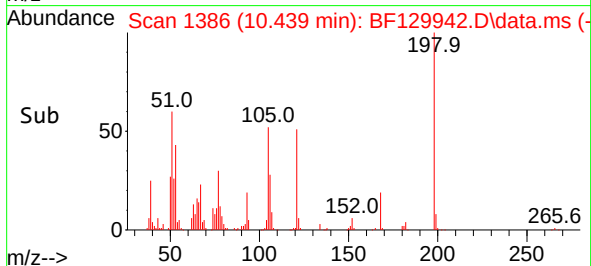
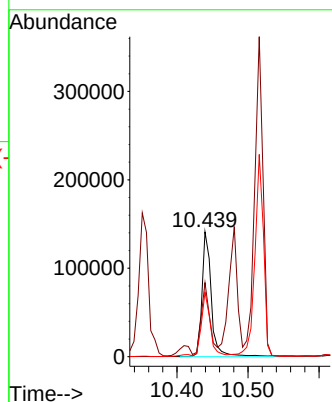
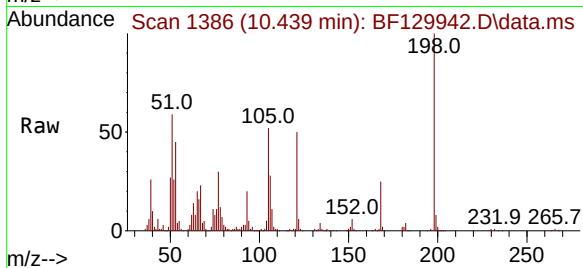




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.164 ng  
RT: 10.439 min Scan# 1386  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

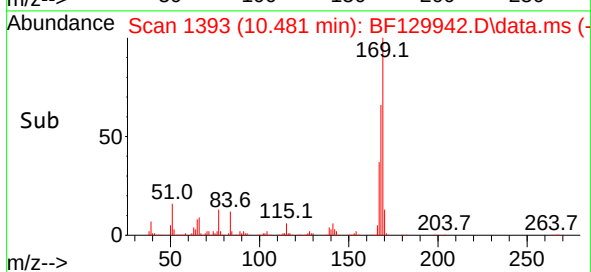
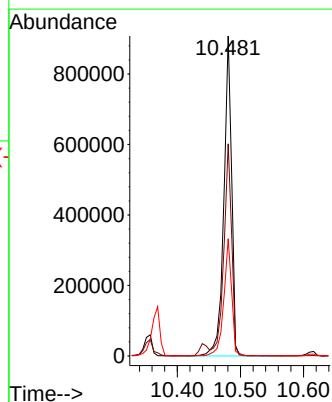
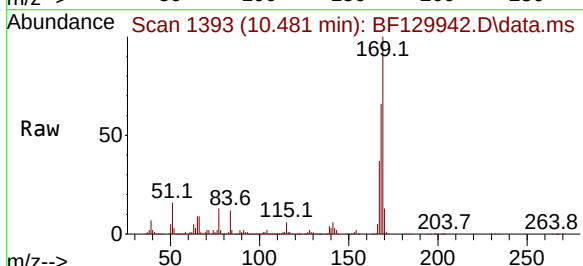
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

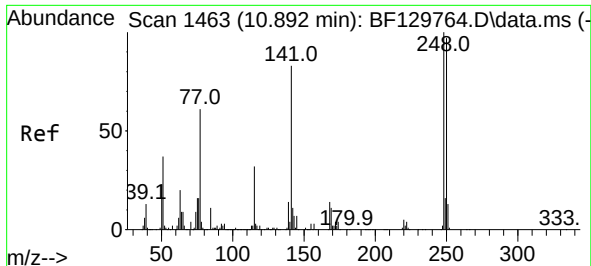
Tgt Ion:198 Resp: 130508  
Ion Ratio Lower Upper  
198 100  
51 59.4 29.4 69.4  
105 51.7 29.2 69.2



#66  
n-Nitrosodiphenylamine  
Concen: 44.026 ng  
RT: 10.481 min Scan# 1393  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:169 Resp: 783486  
Ion Ratio Lower Upper  
169 100  
168 66.3 53.4 80.2  
167 36.7 29.1 43.7

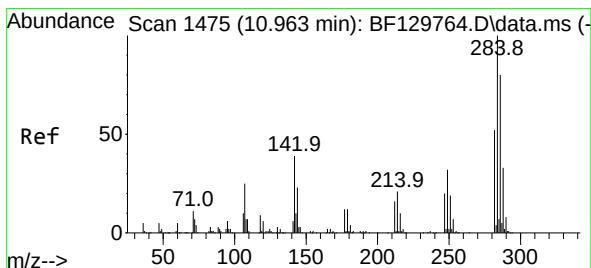
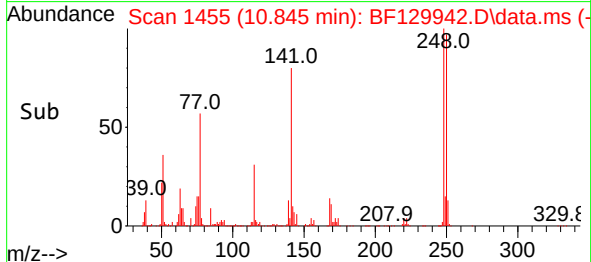
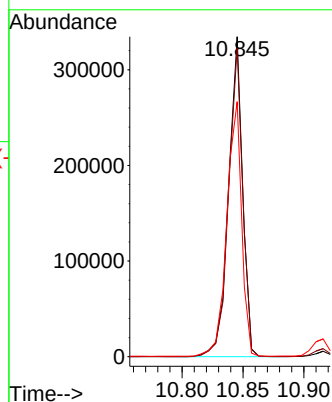
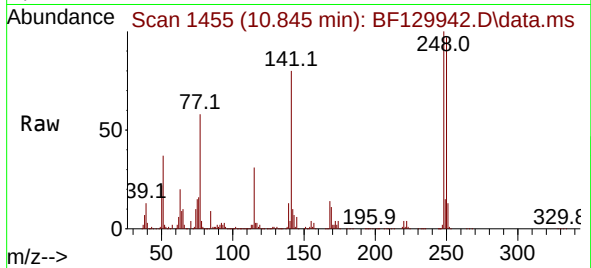




#67  
4-Bromophenyl-phenylether  
Concen: 43.842 ng  
RT: 10.845 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

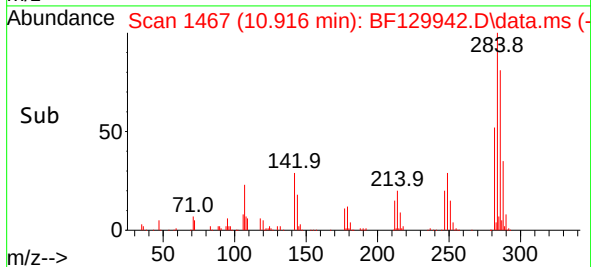
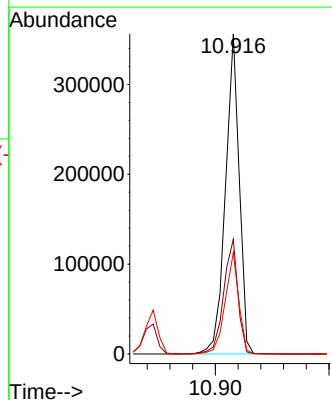
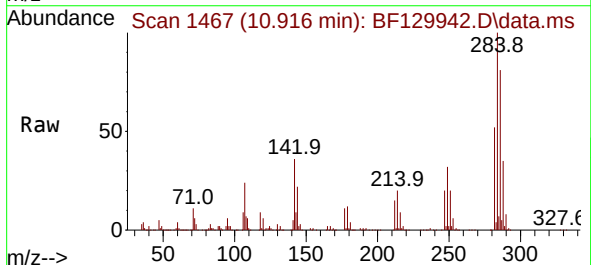
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

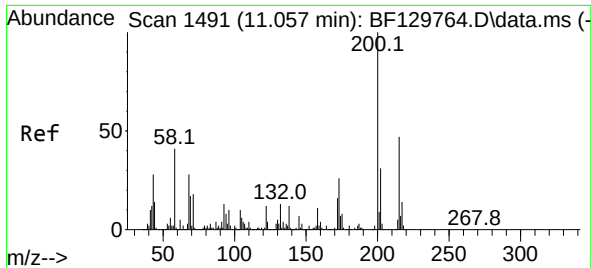
Tgt Ion:248 Resp: 270744  
Ion Ratio Lower Upper  
248 100  
250 96.5 77.8 116.6  
141 79.7 66.2 99.2



#68  
Hexachlorobenzene  
Concen: 44.956 ng  
RT: 10.916 min Scan# 1467  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:284 Resp: 300735  
Ion Ratio Lower Upper  
284 100  
142 35.9 31.4 47.0  
249 31.6 25.7 38.5

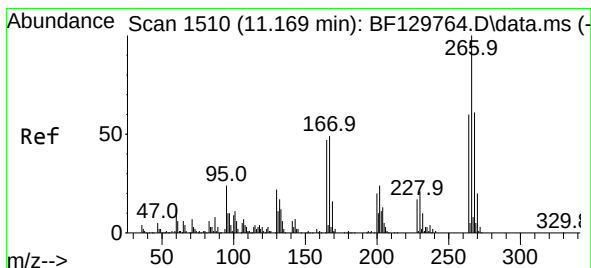
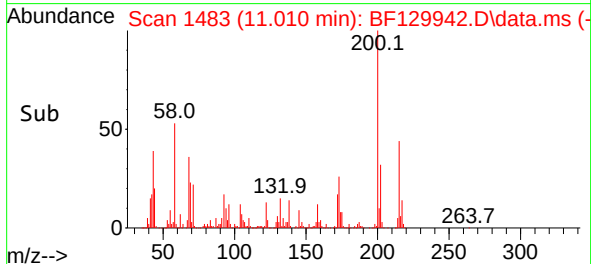
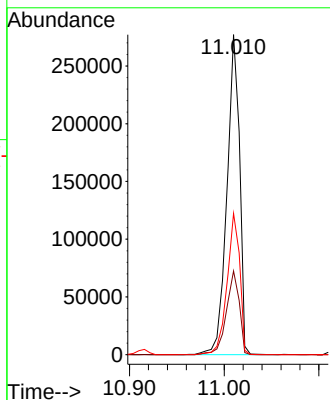
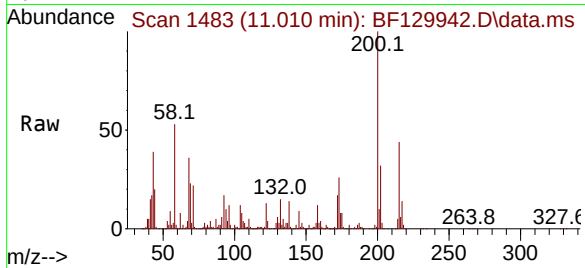




#69  
 Atrazine  
 Concen: 47.186 ng  
 RT: 11.010 min Scan# 1491  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

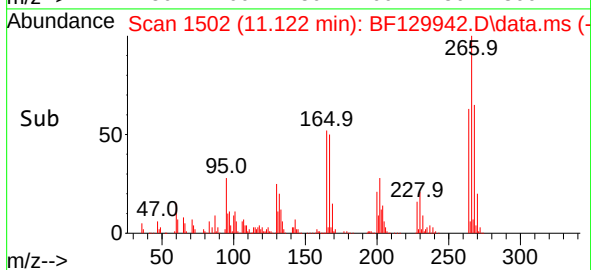
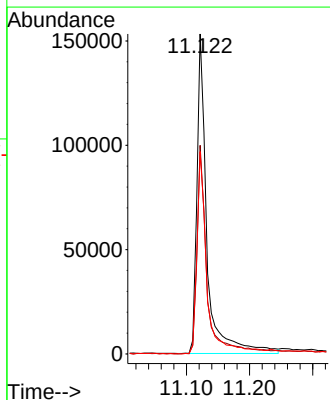
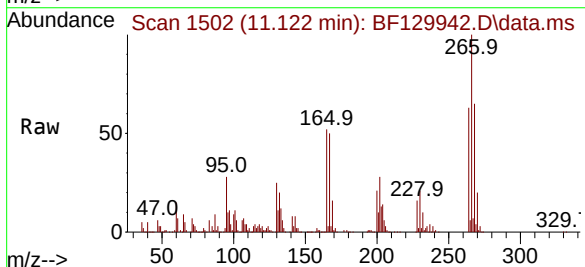
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

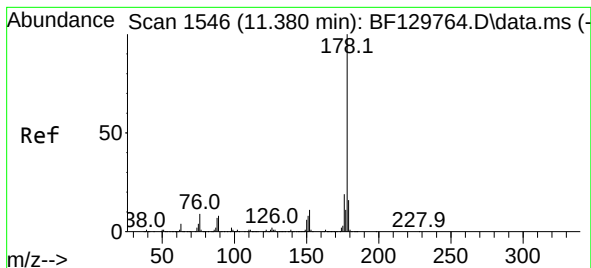
Tgt Ion:200 Resp: 257729  
 Ion Ratio Lower Upper  
 200 100  
 173 26.2 6.4 46.4  
 215 44.2 27.1 67.1



#70  
 Pentachlorophenol  
 Concen: 84.104 ng  
 RT: 11.122 min Scan# 1502  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

Tgt Ion:266 Resp: 169215  
 Ion Ratio Lower Upper  
 266 100  
 268 65.2 49.0 73.4  
 264 63.2 47.9 71.9





#71

Phenanthrene

Concen: 42.394 ng

RT: 11.333 min Scan# 1538

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

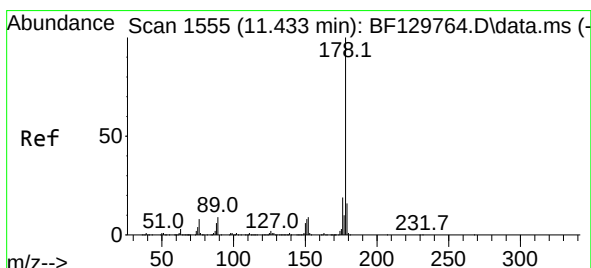
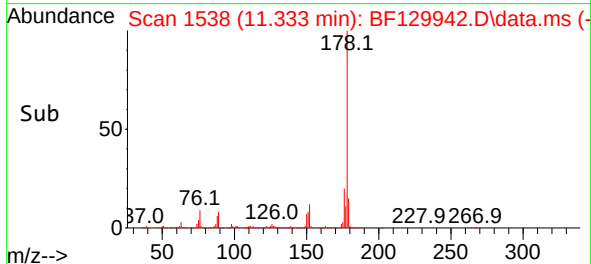
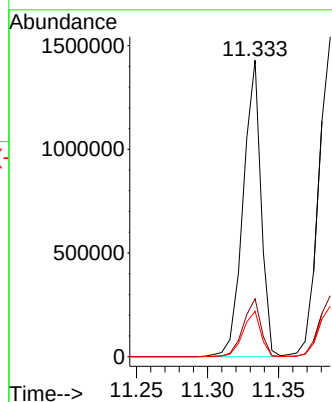
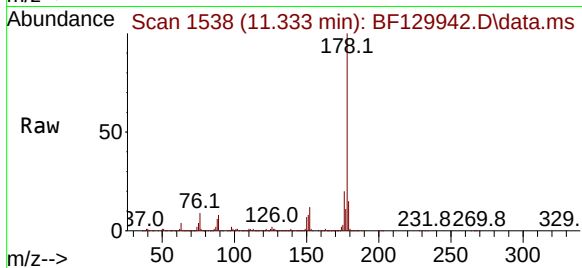
Tgt Ion:178 Resp: 1248380

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

179 15.3 12.5 18.7



#72

Anthracene

Concen: 44.058 ng

RT: 11.386 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

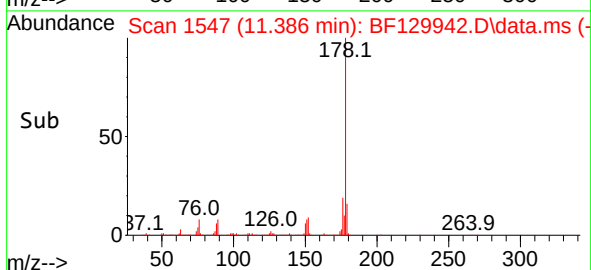
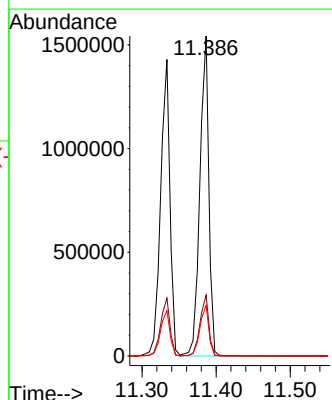
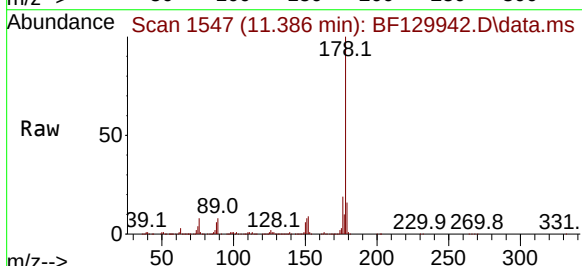
Tgt Ion:178 Resp: 1290171

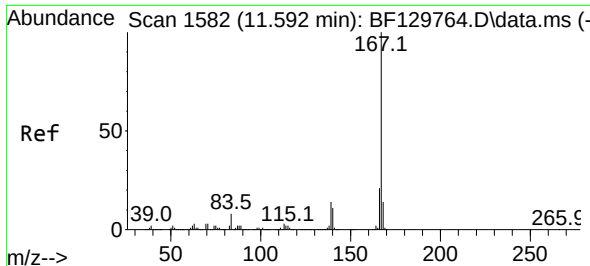
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 15.8 12.6 18.8

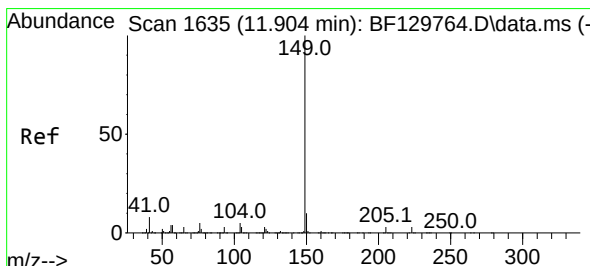
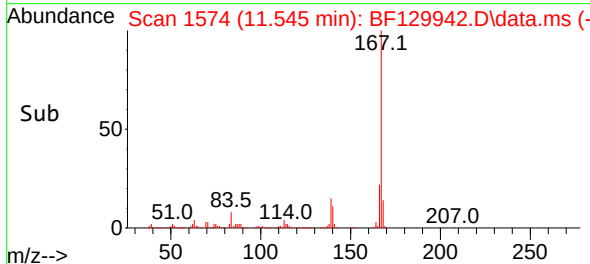
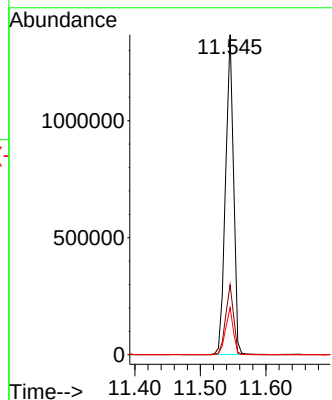
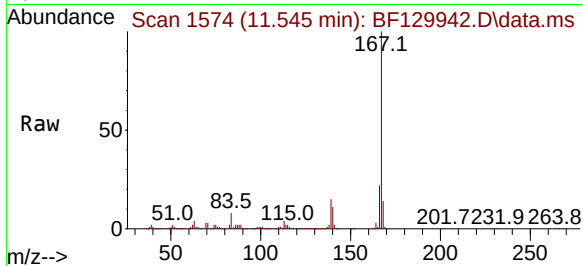




#73  
 Carbazole  
 Concen: 43.332 ng  
 RT: 11.545 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

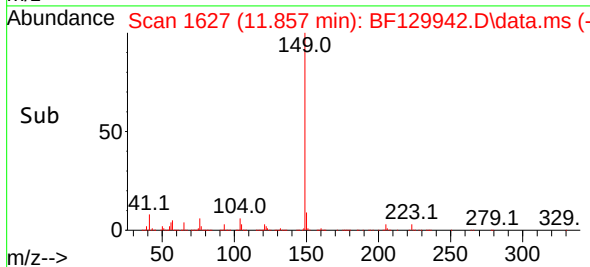
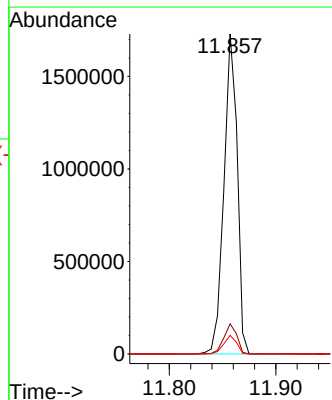
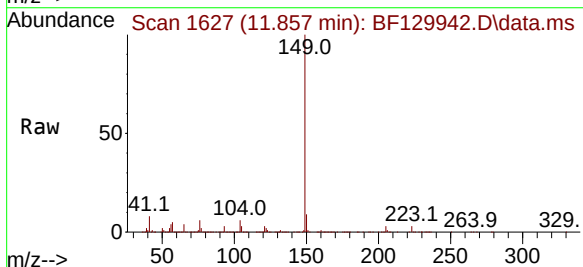
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

Tgt Ion:167 Resp: 1151871  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.1 25.7  
 139 14.7 11.0 16.6

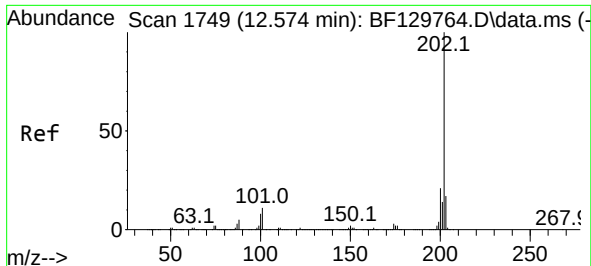


#74  
 Di-n-butylphthalate  
 Concen: 43.584 ng  
 RT: 11.857 min Scan# 1627  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

Tgt Ion:149 Resp: 1491099  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.8 11.6  
 104 5.8 4.2 6.4



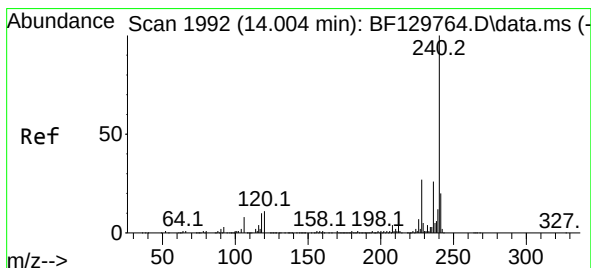
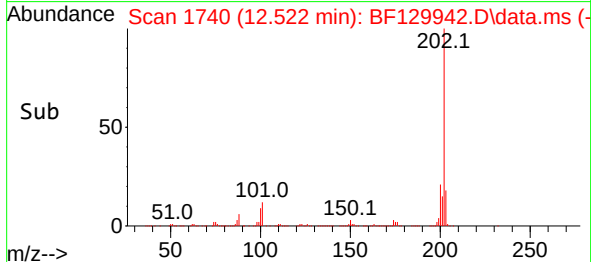
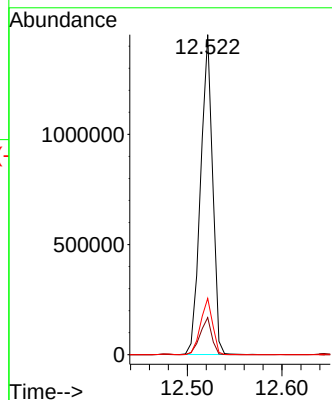
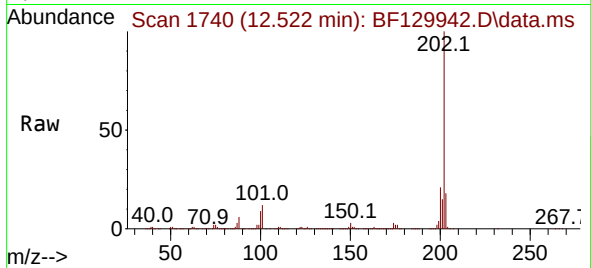




#75  
Fluoranthene  
Concen: 42.717 ng  
RT: 12.522 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

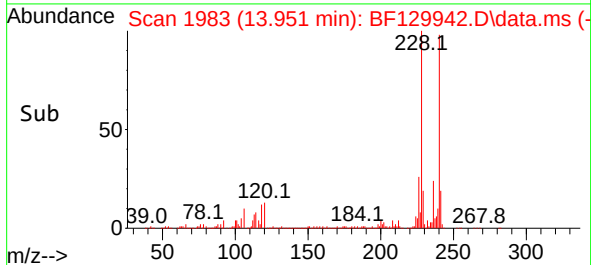
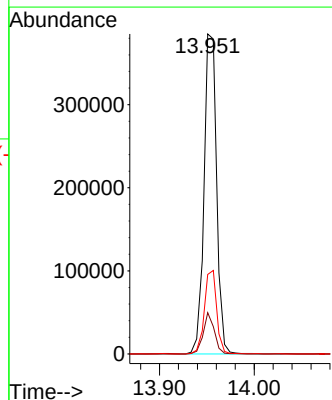
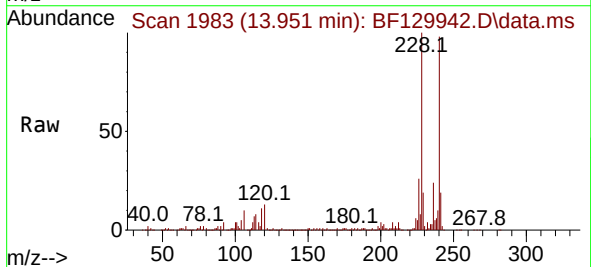
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

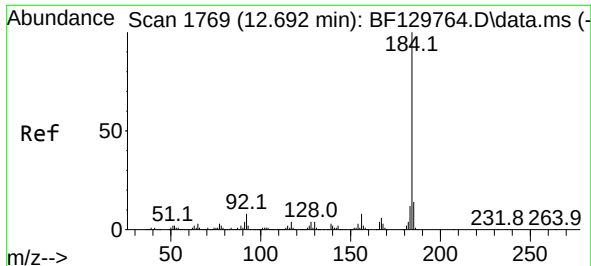
Tgt Ion:202 Resp: 1287176  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 30.7  
203 17.6 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 1983  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:240 Resp: 357312  
Ion Ratio Lower Upper  
240 100  
120 12.9 9.2 13.8  
236 24.8 20.7 31.1

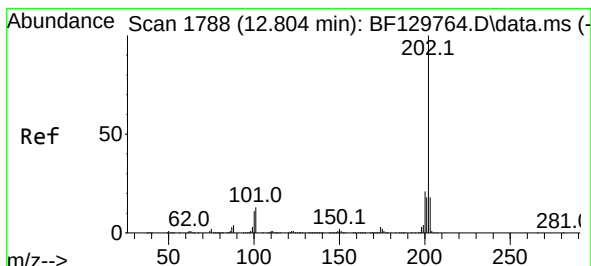
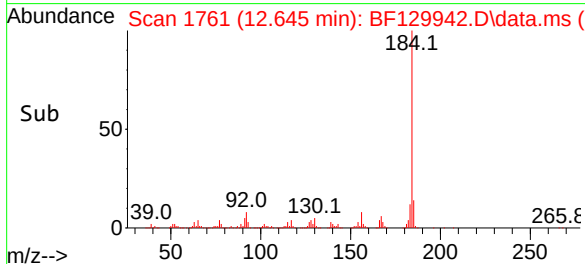
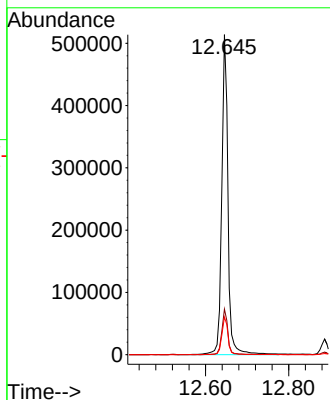
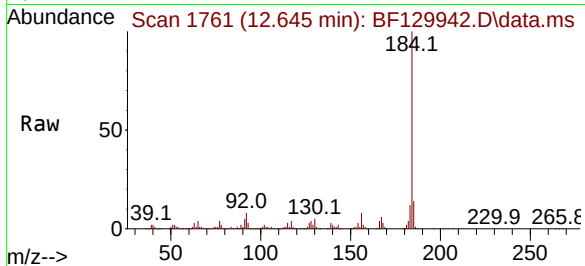




#77  
Benzidine  
Concen: 64.476 ng  
RT: 12.645 min Scan# 1761  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

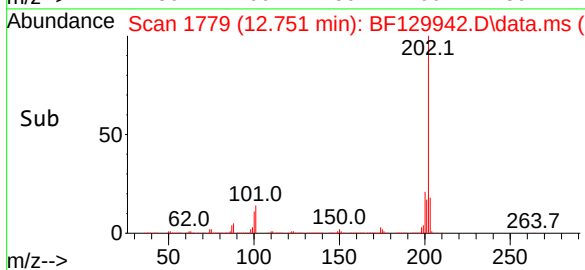
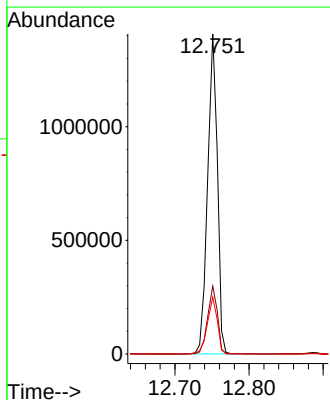
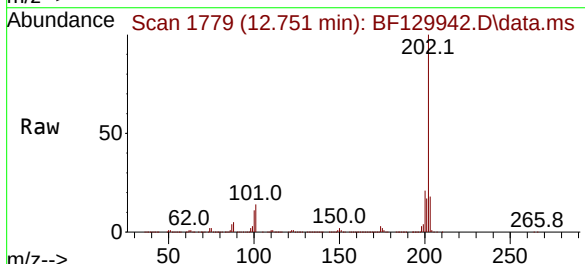
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

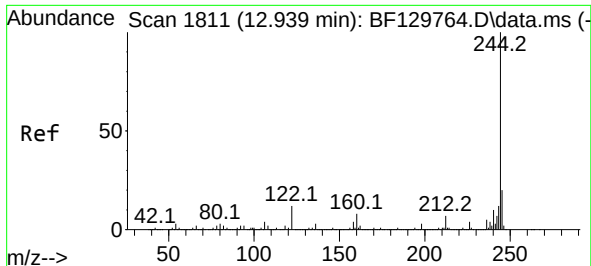
Tgt Ion:184 Resp: 533074  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.2  
183 11.8 9.4 14.2



#78  
Pyrene  
Concen: 41.514 ng  
RT: 12.751 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:202 Resp: 1289010  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.6  
203 17.8 14.1 21.1

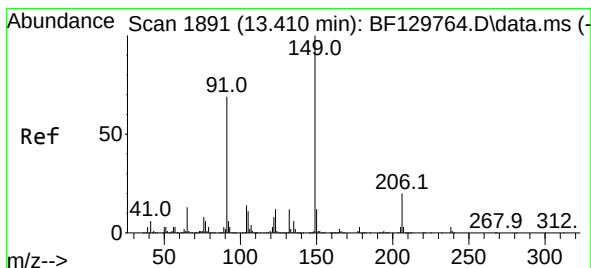
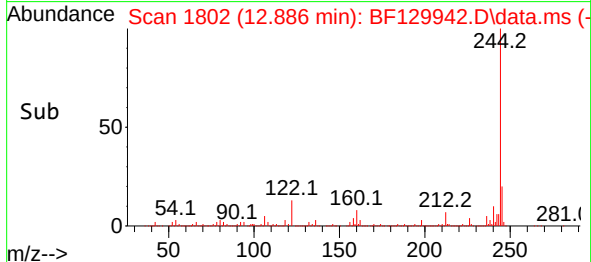
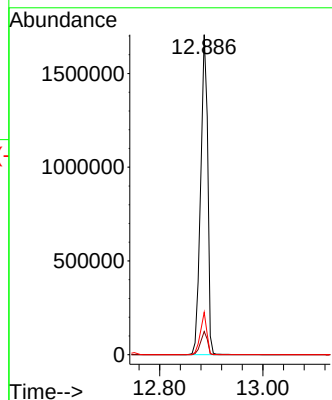
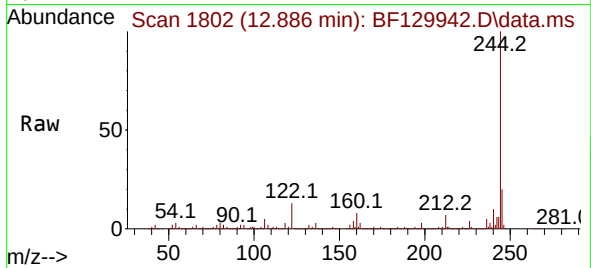




#79  
 Terphenyl-d14  
 Concen: 75.280 ng  
 RT: 12.886 min Scan# 1802  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

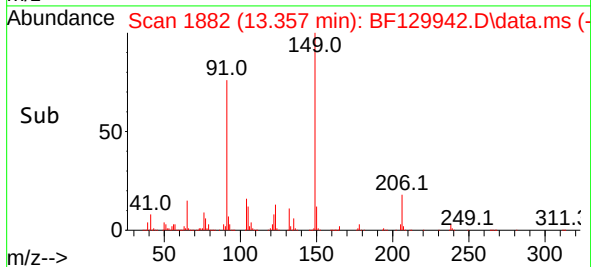
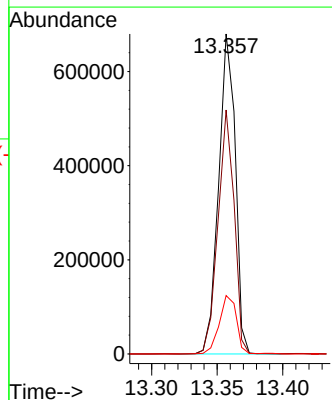
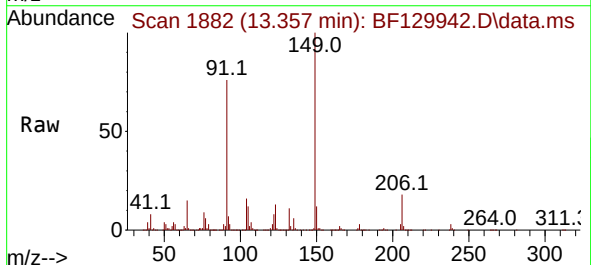
Instrument :  
 BNA\_F  
 ClientSampleId :  
 UST-NORTHMSD

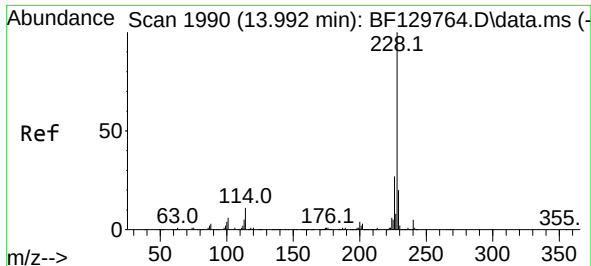
Tgt Ion:244 Resp: 1616562  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.9 8.9  
 122 13.3 9.9 14.9



#80  
 Butylbenzylphthalate  
 Concen: 45.602 ng  
 RT: 13.357 min Scan# 1882  
 Delta R.T. 0.000 min  
 Lab File: BF129942.D  
 Acq: 22 Aug 2022 16:04

Tgt Ion:149 Resp: 599148  
 Ion Ratio Lower Upper  
 149 100  
 91 76.3 55.4 83.0  
 206 18.3 15.8 23.6

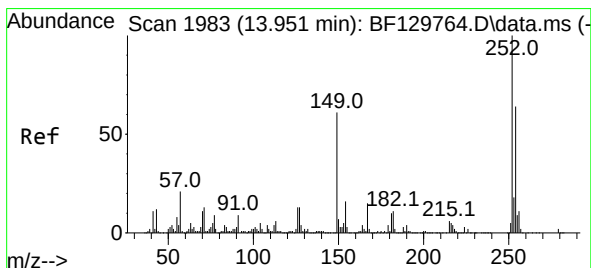
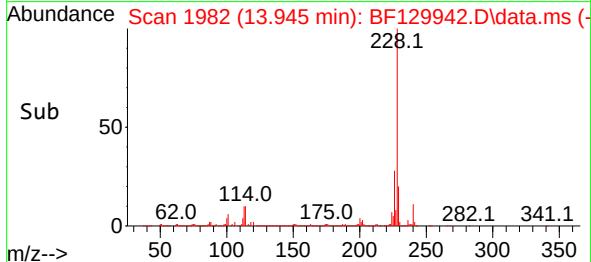
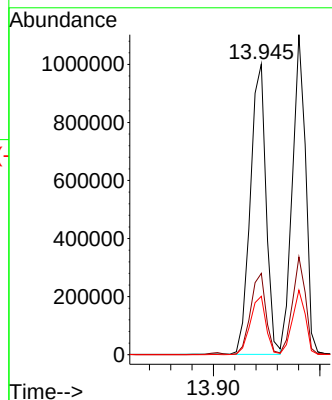
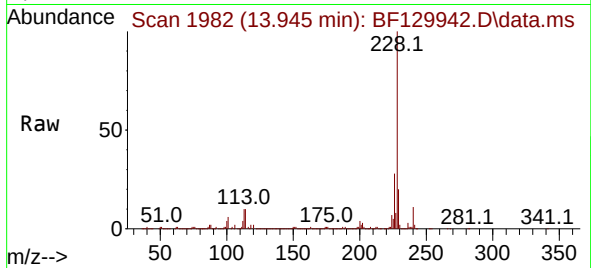




#81  
Benzo(a)anthracene  
Concen: 41.808 ng  
RT: 13.945 min Scan# 1982  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

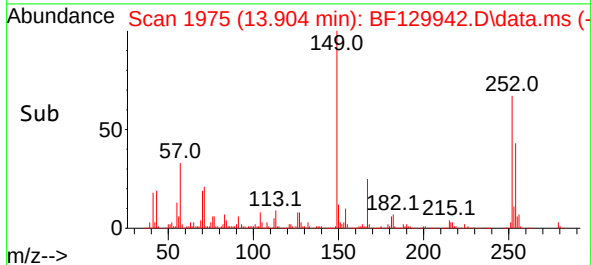
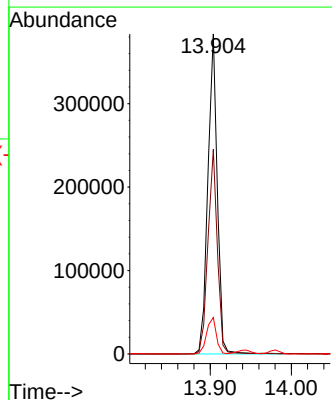
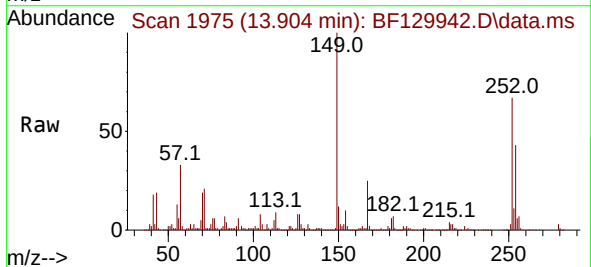
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

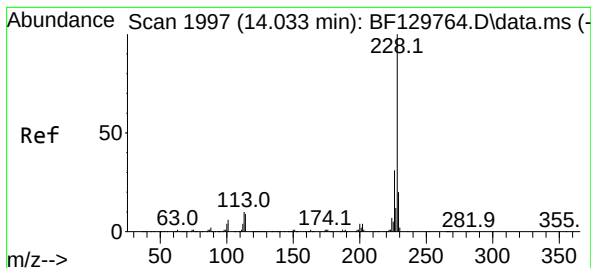
Tgt Ion:228 Resp: 1027623  
Ion Ratio Lower Upper  
228 100  
226 28.0 21.4 32.0  
229 20.1 16.1 24.1



#82  
3,3'-Dichlorobenzidine  
Concen: 40.463 ng  
RT: 13.904 min Scan# 1975  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:252 Resp: 308025  
Ion Ratio Lower Upper  
252 100  
254 64.0 51.4 77.2  
126 11.4 10.2 15.4





#83

Chrysene

Concen: 41.480 ng

RT: 13.980 min Scan# 1997

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

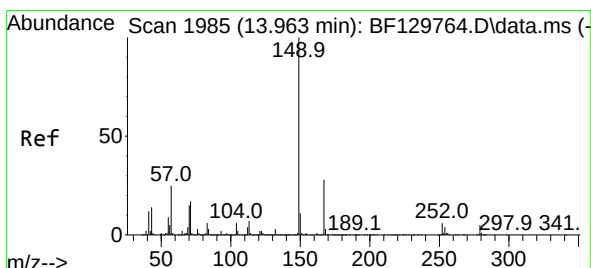
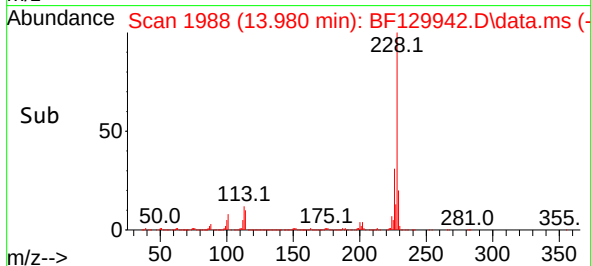
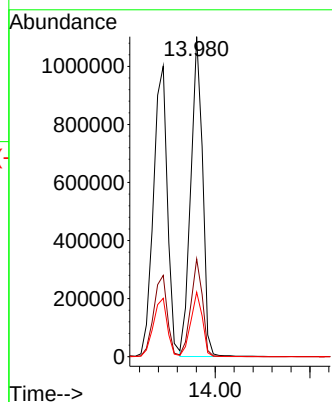
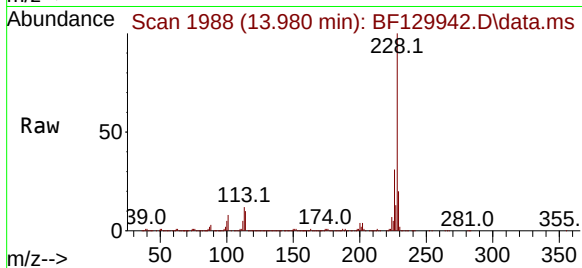
Tgt Ion:228 Resp: 954384

Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 20.2 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.639 ng

RT: 13.910 min Scan# 1976

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

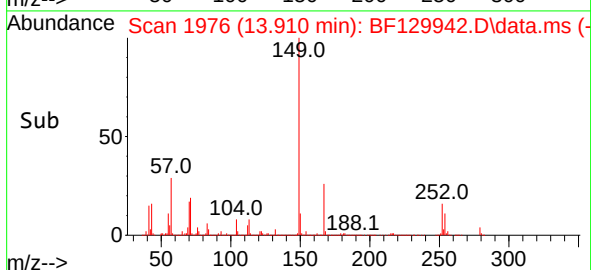
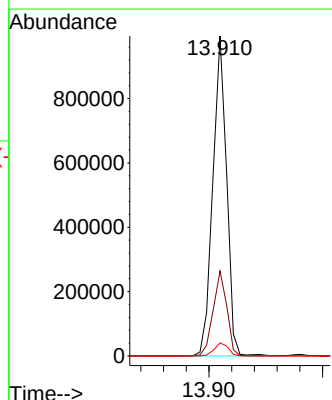
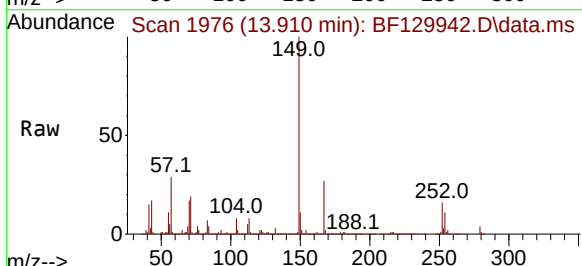
Tgt Ion:149 Resp: 836116

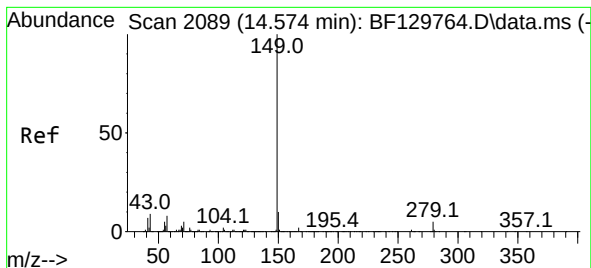
Ion Ratio Lower Upper

149 100

167 26.5 22.0 33.0

279 4.1 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 56.479 ng

RT: 14.521 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

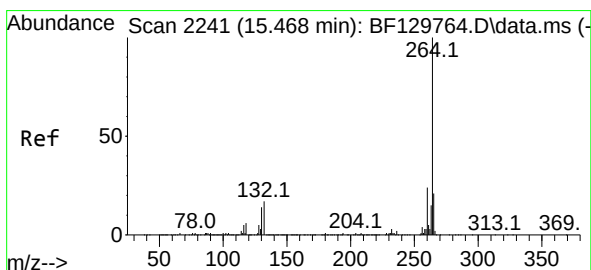
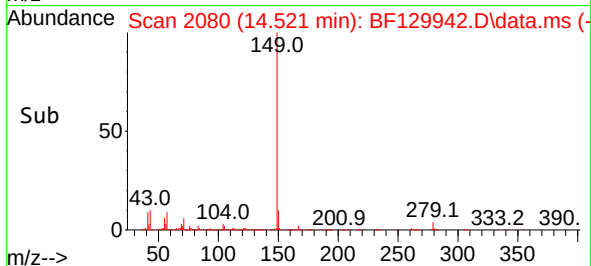
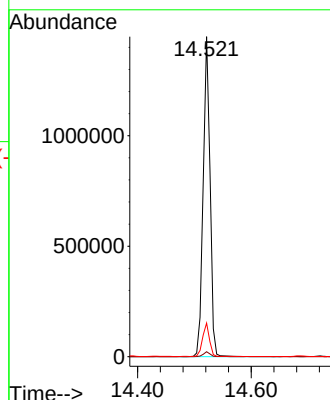
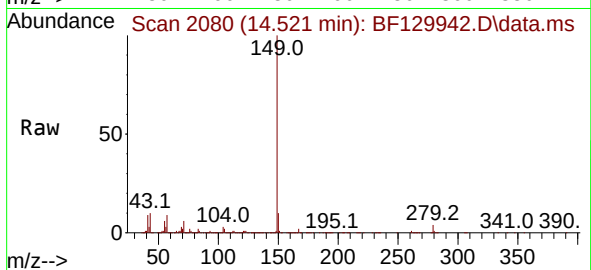
Tgt Ion:149 Resp: 1215318

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.5 7.8 11.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2230

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

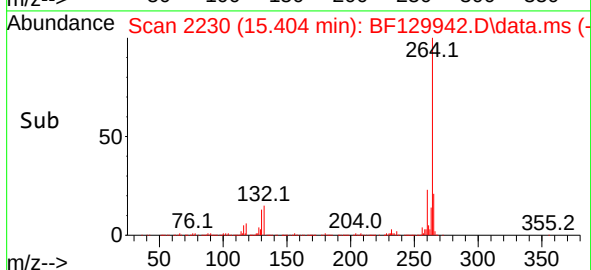
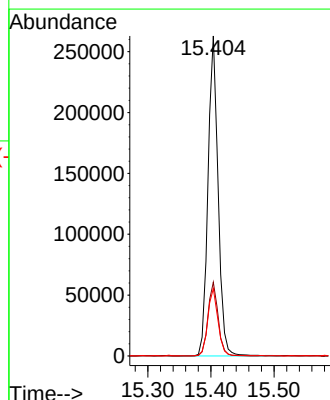
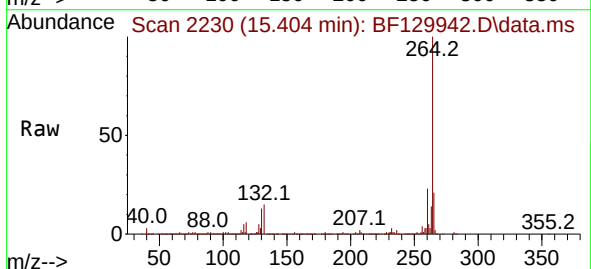
Tgt Ion:264 Resp: 293219

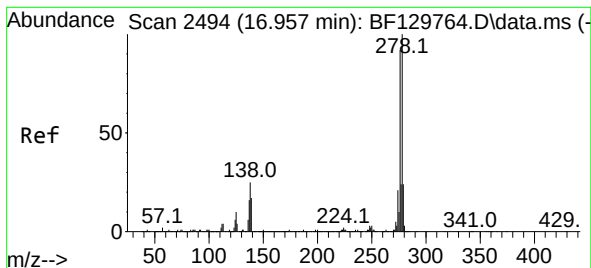
Ion Ratio Lower Upper

264 100

260 23.1 19.1 28.7

265 21.1 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.381 ng

RT: 16.862 min Scan# 2494

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

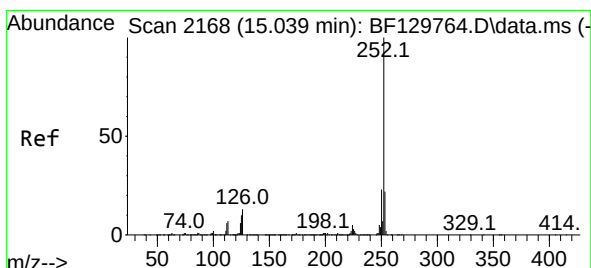
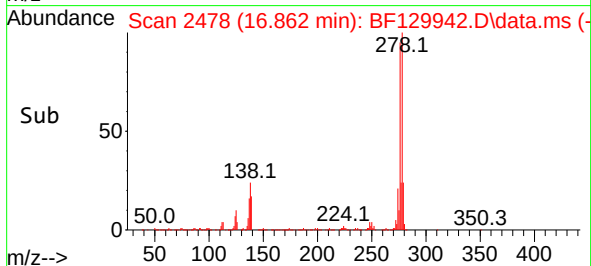
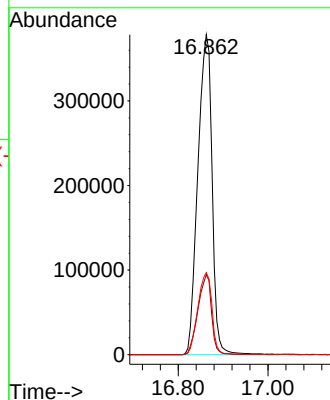
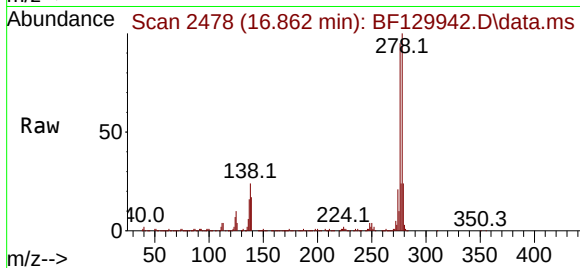
Tgt Ion:276 Resp: 832989

Ion Ratio Lower Upper

276 100

138 23.7 19.8 29.8

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 43.484 ng

RT: 14.986 min Scan# 2159

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

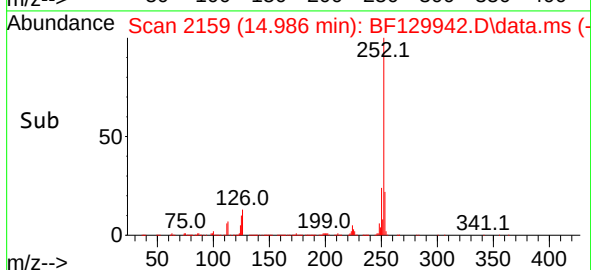
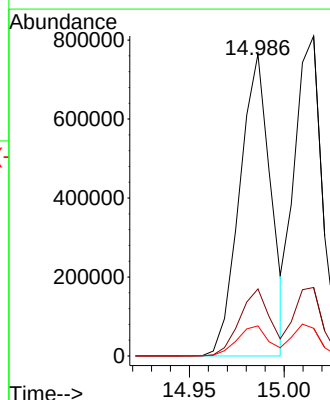
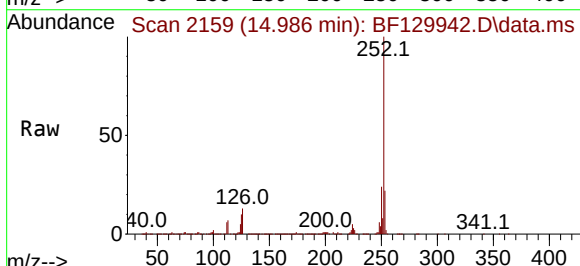
Tgt Ion:252 Resp: 873089

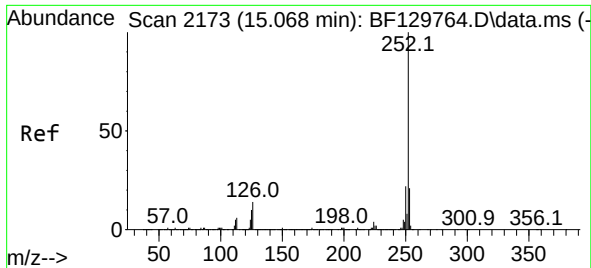
Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 9.9 8.3 12.5

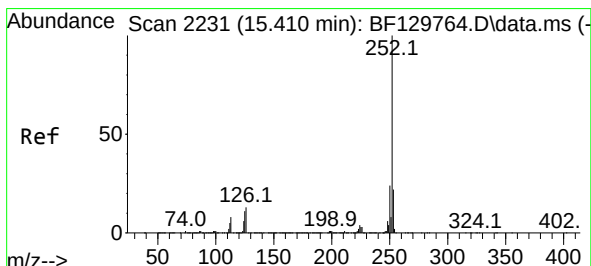
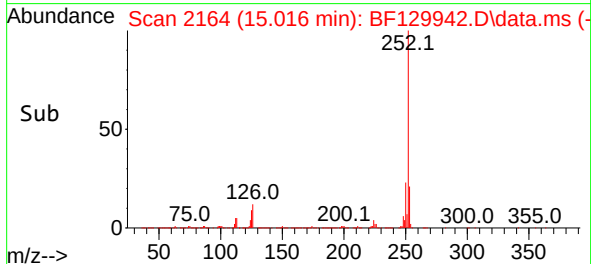
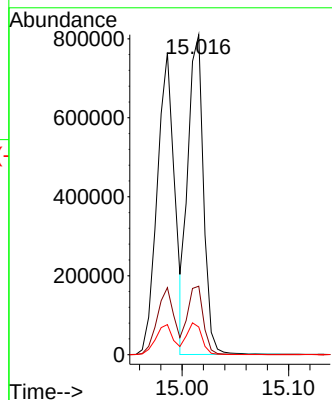
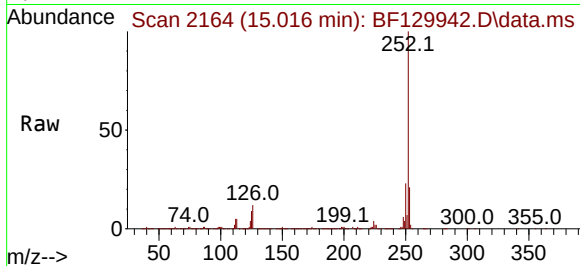




#89  
Benzo(k)fluoranthene  
Concen: 42.621 ng  
RT: 15.016 min Scan# 2173  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

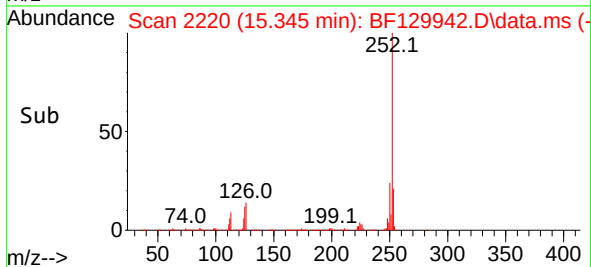
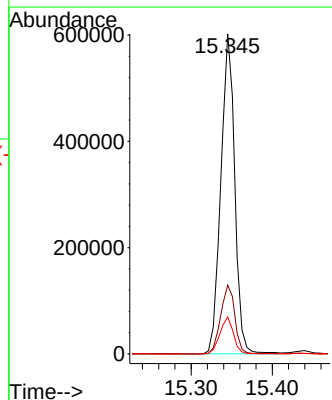
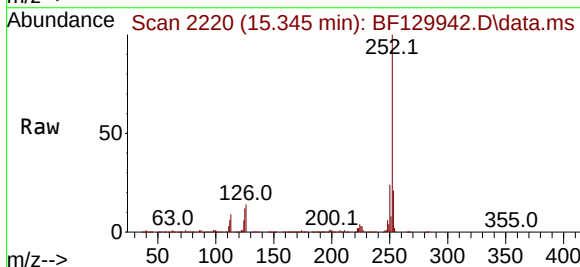
Instrument :  
BNA\_F  
ClientSampleId :  
UST-NORTHMSD

Tgt Ion:252 Resp: 820681  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.1 25.7  
125 8.7 8.3 12.5

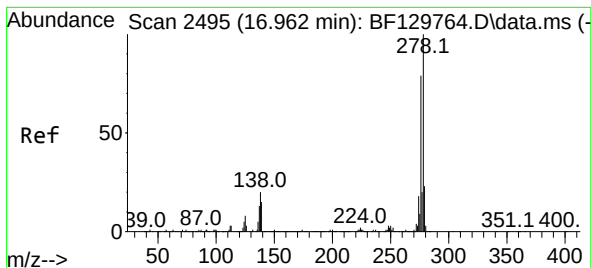


#90  
Benzo(a)pyrene  
Concen: 45.340 ng  
RT: 15.345 min Scan# 2220  
Delta R.T. 0.006 min  
Lab File: BF129942.D  
Acq: 22 Aug 2022 16:04

Tgt Ion:252 Resp: 716900  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.2 25.8  
125 11.6 8.8 13.2







#91

Dibenzo(a,h)anthracene

Concen: 43.448 ng

RT: 16.868 min Scan# 2495

Delta R.T. 0.012 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Instrument :

BNA\_F

ClientSampleId :

UST-NORTHMSD

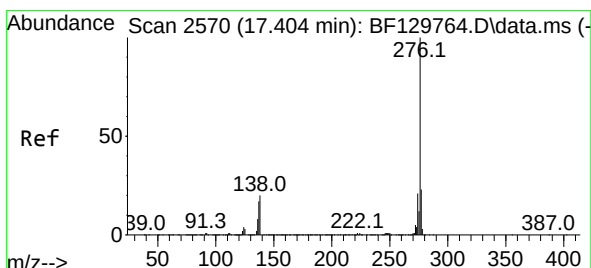
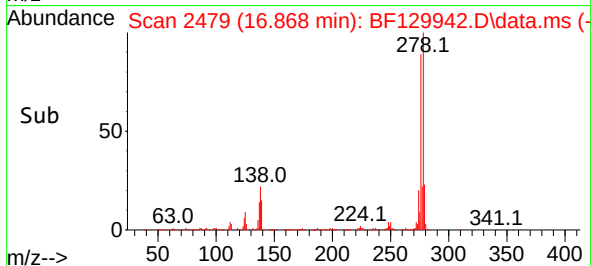
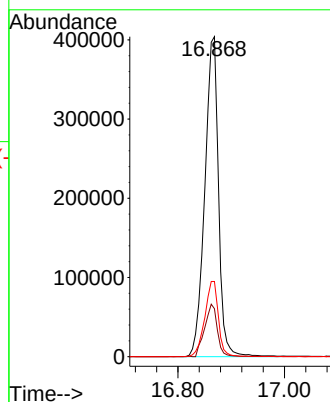
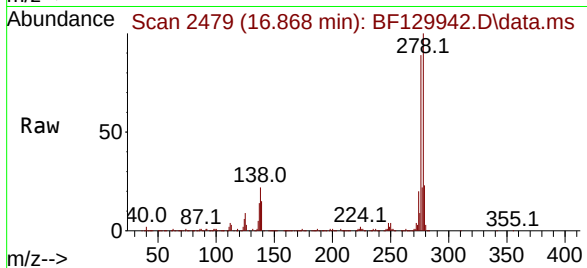
Tgt Ion:278 Resp: 721640

Ion Ratio Lower Upper

278 100

139 15.0 12.2 18.4

279 23.5 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 43.174 ng

RT: 17.298 min Scan# 2552

Delta R.T. 0.006 min

Lab File: BF129942.D

Acq: 22 Aug 2022 16:04

Tgt Ion:276 Resp: 715416

Ion Ratio Lower Upper

276 100

277 24.7 18.2 27.4

138 21.0 15.8 23.8

