

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072622\  
 Data File : BF129357.D  
 Acq On : 26 Jul 2022 16:05  
 Operator : CG\JU  
 Sample : N3839-02MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-1-(10-15)MSD

Quant Time: Jul 27 00:39:53 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF072522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jul 25 17:24:17 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 215560   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 859613   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 451457   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 685539   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.063 | 240  | 357078   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 435165   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1300365  | 98.269  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.516  | 99   | 1711988  | 102.929 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1010380  | 64.163  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 423017   | 97.460  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1737187  | 59.526  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.998 | 244  | 1315165  | 69.485  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.716  | 88   | 255035   | 42.717  | ng    | 90       |
| 3) Pyridine                   | 3.493  | 79   | 688917   | 41.551  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 338584   | 46.505  | ng    | 91       |
| 6) Aniline                    | 6.551  | 93   | 685271   | 33.141  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 709049   | 49.046  | ng    | 97       |
| 9) Benzaldehyde               | 6.434  | 77   | 355306   | 31.456  | ng    | 96       |
| 10) Phenol                    | 6.528  | 94   | 865510   | 48.865  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 672798   | 47.897  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 725443   | 46.787  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 732604   | 46.459  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 704815   | 48.627  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 581321   | 48.191  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 1014585  | 48.051  | ng    | 93       |
| 17) 2-Methylphenol            | 7.134  | 107  | 553751   | 46.171  | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 283285   | 47.710  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 465054   | 46.185  | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 663818   | 43.531  | ng    | 93       |
| 22) Acetophenone              | 7.293  | 105  | 920007   | 45.969  | ng    | # 94     |
| 24) Nitrobenzene              | 7.469  | 77   | 731555   | 45.114  | ng    | 96       |
| 25) Isophorone                | 7.704  | 82   | 1336570  | 47.351  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 380894   | 47.614  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 579419   | 48.286  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 826926   | 50.501  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 567961   | 45.858  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 566921   | 44.222  | ng    | 97       |
| 31) Naphthalene               | 8.192  | 128  | 1933953  | 44.282  | ng    | 100      |
| 32) Benzoic acid              | 7.940  | 122  | 374809   | 43.206  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 263674   | 14.705  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 334018   | 45.836  | ng    | 99       |
| 35) Caprolactam               | 8.616  | 113  | 113523   | 28.193  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 614080   | 46.748  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1275741  | 44.950  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1207689  | 44.079  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 539455   | 45.507  | ng    | # 98     |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 617606   | 117.002 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.157  | 196  | 386684   | 44.912  | ng    | 98       |

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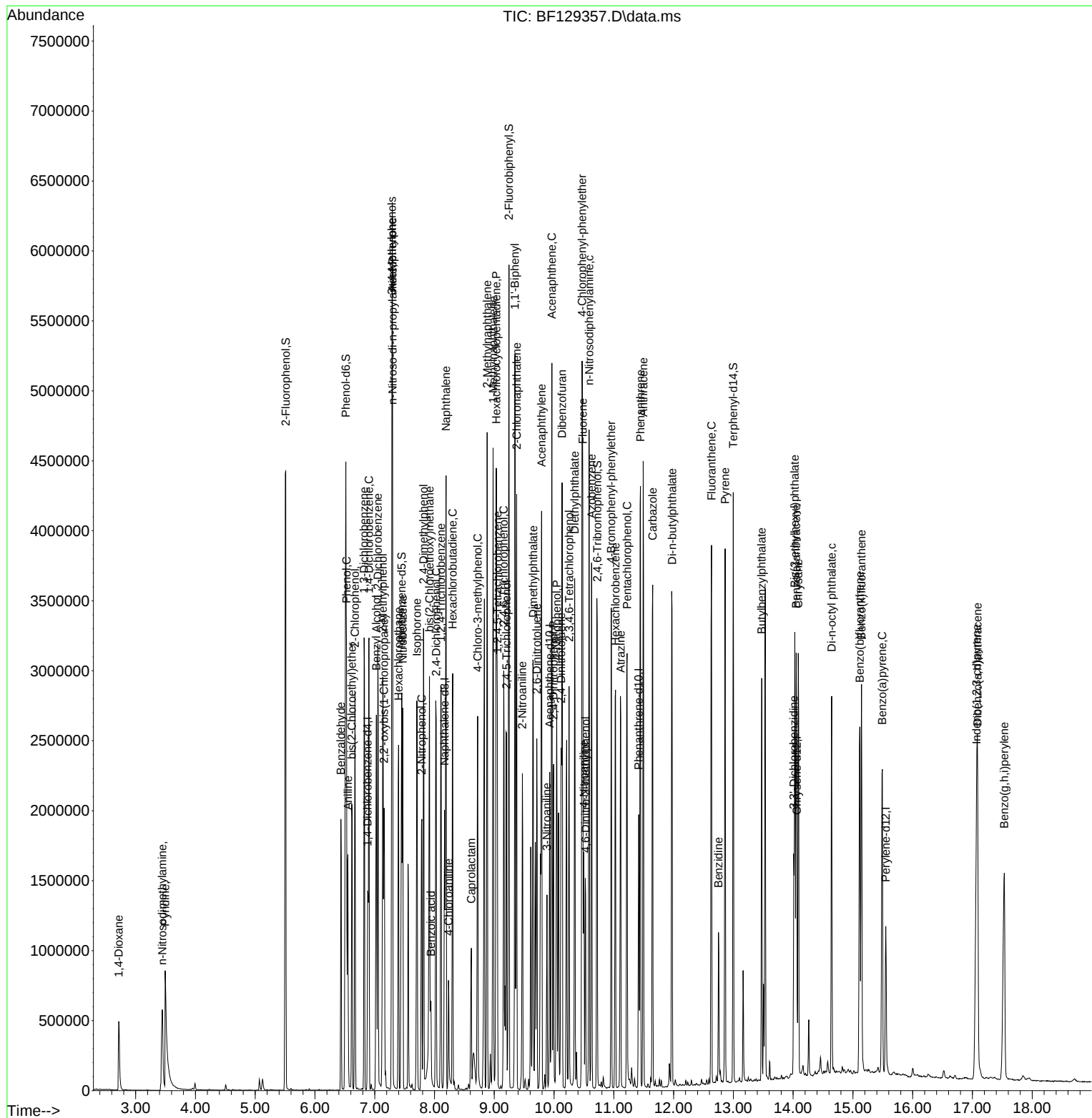
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 410122   | 43.802 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1506816  | 45.734 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1189050  | 44.643 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 386174   | 43.603 | ng    | 94       |
| 49) Acenaphthylene            | 9.792  | 152  | 1792360  | 44.287 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 1388778  | 44.561 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 313942   | 45.007 | ng    | 92       |
| 52) Acenaphthene              | 9.963  | 154  | 1084834  | 41.040 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 186015   | 22.583 | ng #  | 94       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 291499   | 81.860 | ng #  | 87       |
| 55) Dibenzofuran              | 10.133 | 168  | 1613317  | 44.274 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 493172   | 81.157 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 408394   | 44.817 | ng    | 97       |
| 58) Fluorene                  | 10.481 | 166  | 1243162  | 42.639 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 298360   | 41.234 | ng    | 91       |
| 60) Diethylphthalate          | 10.345 | 149  | 1318531  | 43.765 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 569328   | 44.293 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 302244   | 36.989 | ng    | 96       |
| 63) Azobenzene                | 10.628 | 77   | 1315918  | 42.824 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.528 | 198  | 190633   | 44.057 | ng    | 86       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 1080740  | 47.338 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248  | 362320   | 48.265 | ng    | 93       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 381421   | 46.893 | ng    | 96       |
| 69) Atrazine                  | 11.116 | 200  | 335600   | 48.396 | ng    | 99       |
| 70) Pentachlorophenol         | 11.222 | 266  | 368589   | 83.356 | ng    | 99       |
| 71) Phenanthrene              | 11.445 | 178  | 1651994  | 44.145 | ng    | 99       |
| 72) Anthracene                | 11.492 | 178  | 1670637  | 45.429 | ng    | 100      |
| 73) Carbazole                 | 11.651 | 167  | 1461084  | 42.206 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1859539  | 45.106 | ng    | 99       |
| 75) Fluoranthene              | 12.633 | 202  | 1489183  | 39.275 | ng    | 99       |
| 77) Benzidine                 | 12.751 | 184  | 421690   | 33.429 | ng    | 99       |
| 78) Pyrene                    | 12.863 | 202  | 1444104  | 48.363 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 606940   | 46.862 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 1099053  | 45.058 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 312784   | 38.838 | ng #  | 98       |
| 83) Chrysene                  | 14.086 | 228  | 1037692  | 45.140 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 819416   | 48.056 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 1265101  | 51.559 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 1506497  | 51.408 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.116 | 252  | 1242379  | 43.040 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 1156799  | 40.894 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 1122085  | 47.886 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 1282834  | 53.785 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.533 | 276  | 1329646  | 54.556 | ng    | 99       |

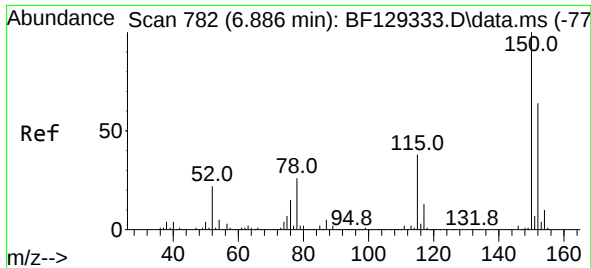
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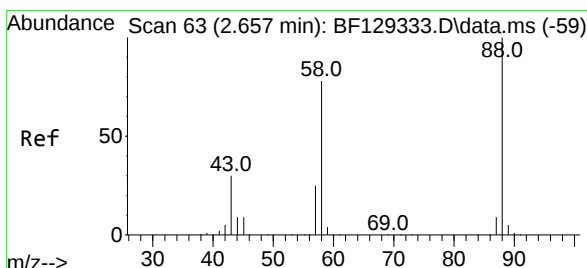
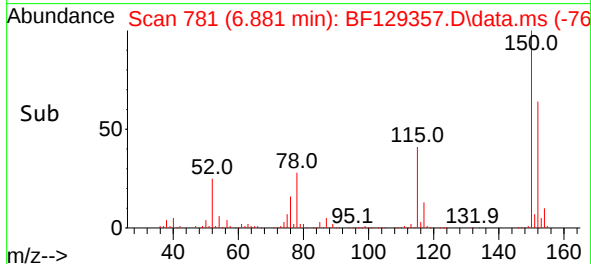
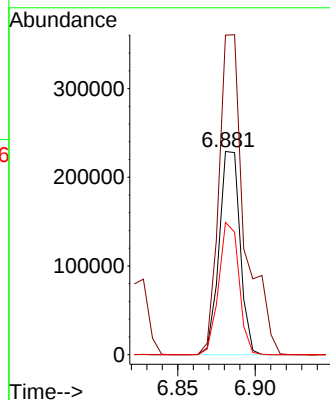
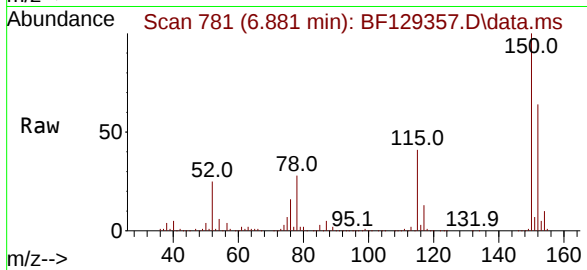




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 71  
 Delta R.T. -0.005 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

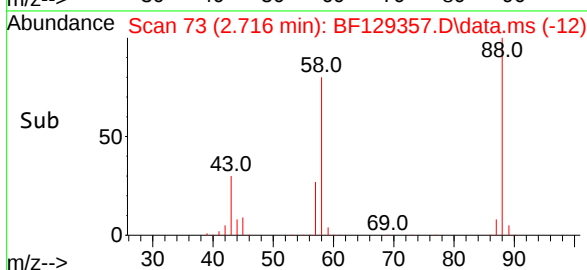
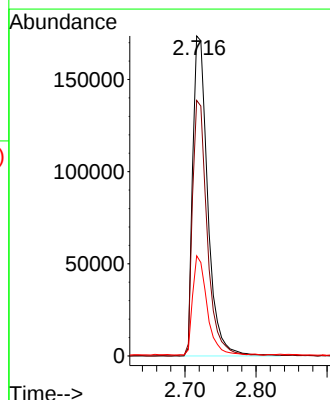
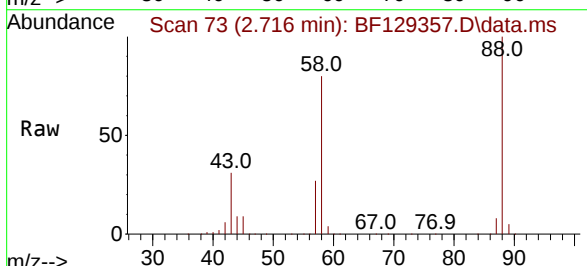
Instrument :  
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 ENV-DE-1-(10-15)MSD

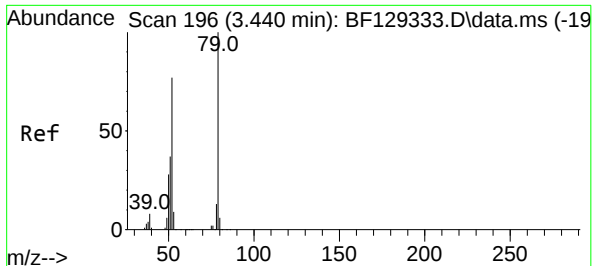
Tgt Ion:152 Resp: 215560  
 Ion Ratio Lower Upper  
 152 100  
 150 157.2 123.7 185.5  
 115 65.1 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 42.717 ng  
 RT: 2.716 min Scan# 73  
 Delta R.T. 0.059 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

Tgt Ion: 88 Resp: 255035  
 Ion Ratio Lower Upper  
 88 100  
 58 78.4 71.8 107.8  
 43 29.8 26.6 39.8





#3

Pyridine

Concen: 41.551 ng

RT: 3.493 min Scan# 205

Delta R.T. 0.053 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

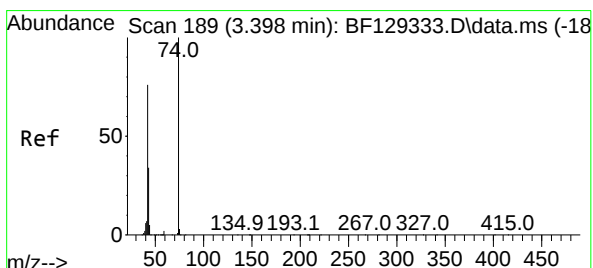
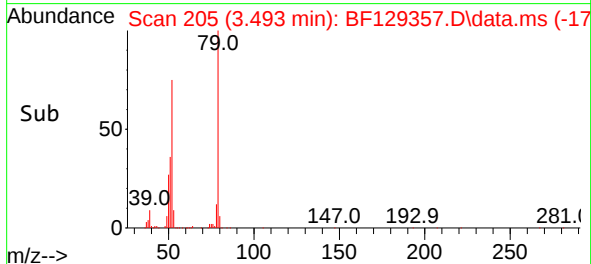
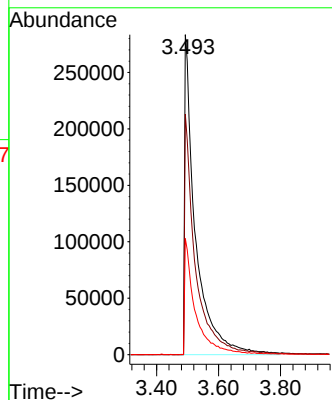
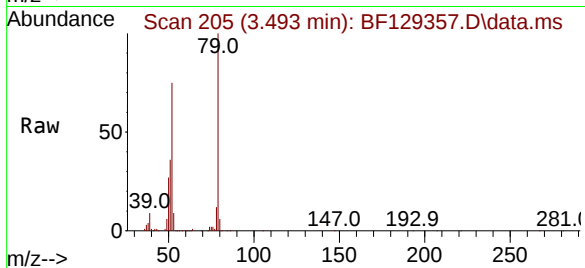
Tgt Ion: 79 Resp: 688917

Ion Ratio Lower Upper

79 100

52 75.2 68.6 102.8

51 36.3 32.9 49.3



#4

n-Nitrosodimethylamine

Concen: 46.505 ng

RT: 3.446 min Scan# 197

Delta R.T. 0.047 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

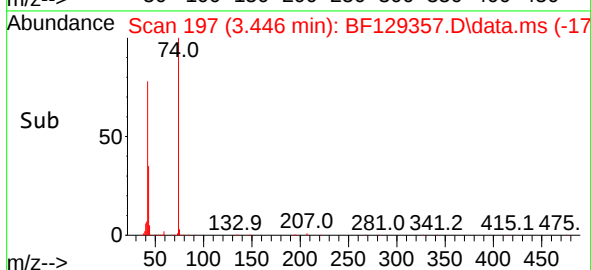
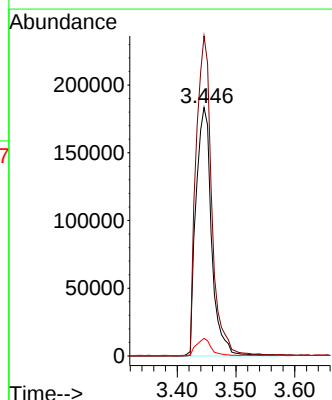
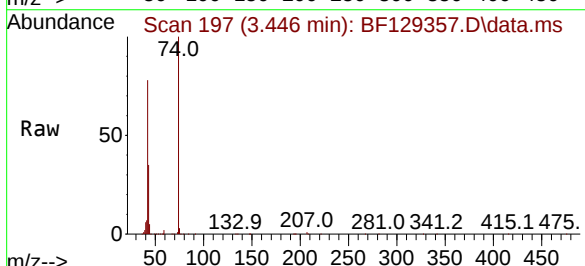
Tgt Ion: 42 Resp: 338584

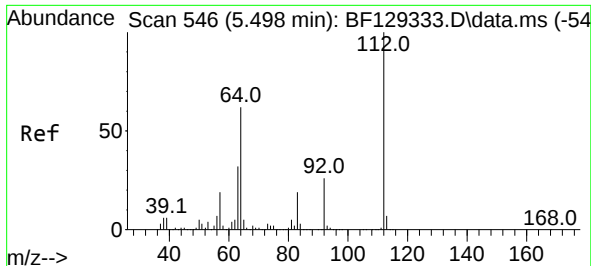
Ion Ratio Lower Upper

42 100

74 128.7 94.8 142.2

44 7.1 6.6 10.0

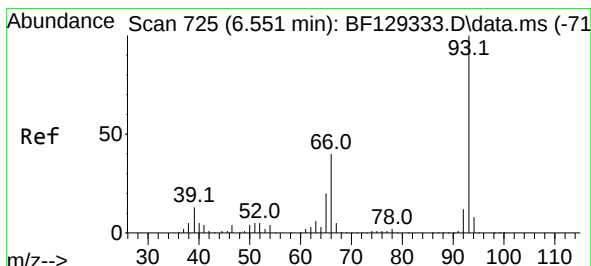
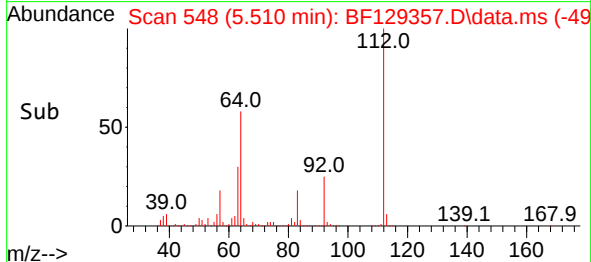
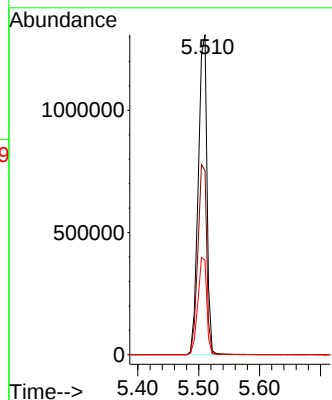
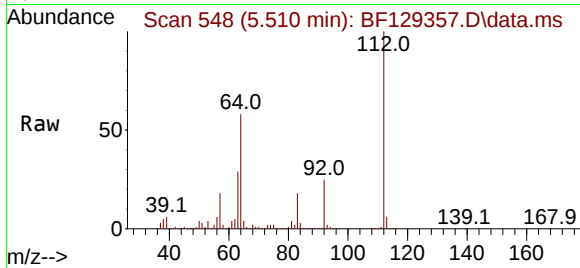




#5  
2-Fluorophenol  
Concen: 98.269 ng  
RT: 5.510 min Scan# 546  
Delta R.T. 0.012 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

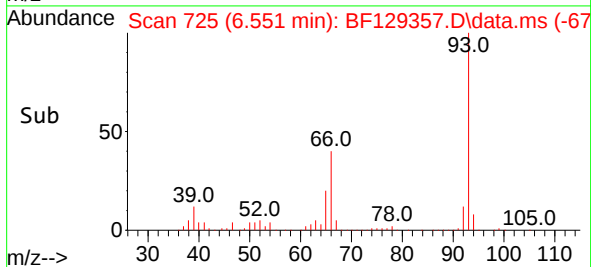
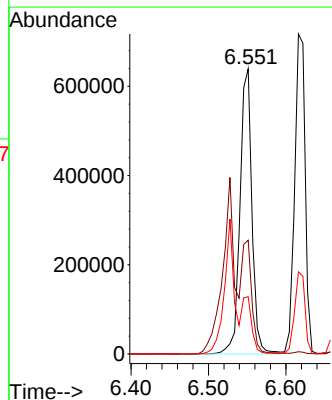
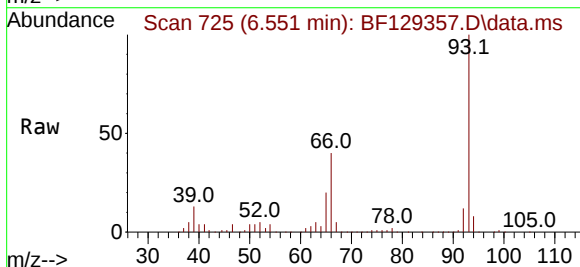
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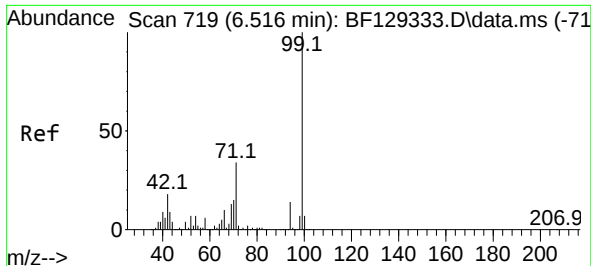
Tgt Ion:112 Resp: 1300365  
Ion Ratio Lower Upper  
112 100  
64 57.5 53.3 79.9  
63 29.5 28.0 42.0



#6  
Aniline  
Concen: 33.141 ng  
RT: 6.551 min Scan# 725  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 93 Resp: 685271  
Ion Ratio Lower Upper  
93 100  
66 39.9 32.5 48.7  
65 20.1 16.4 24.6



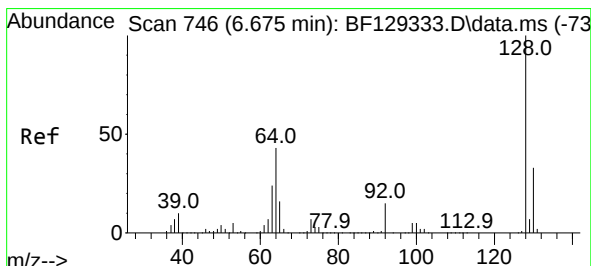
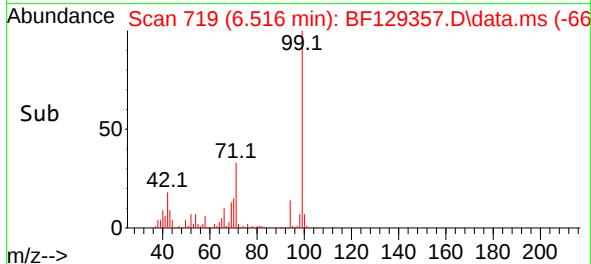
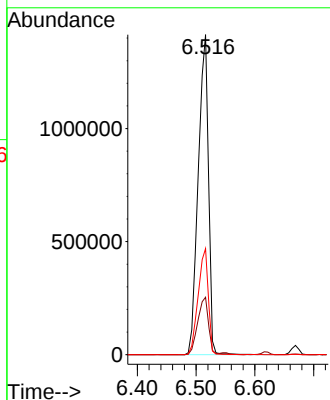
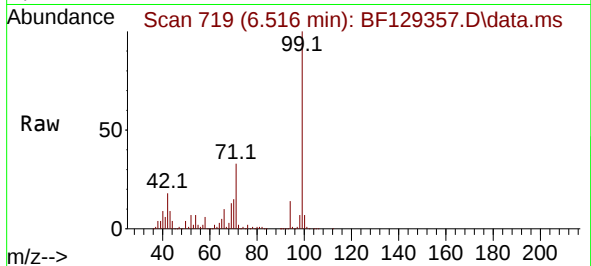


#7  
Phenol-d6  
Concen: 102.929 ng  
RT: 6.516 min Scan# 719  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

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BNA\_F  
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Tgt Ion: 99 Resp: 1711988

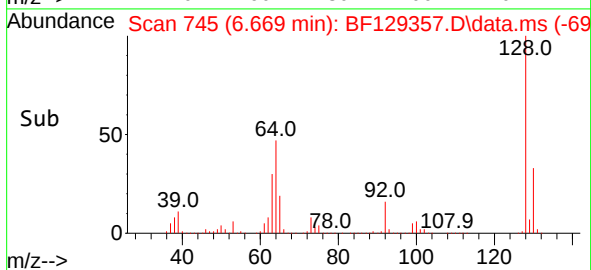
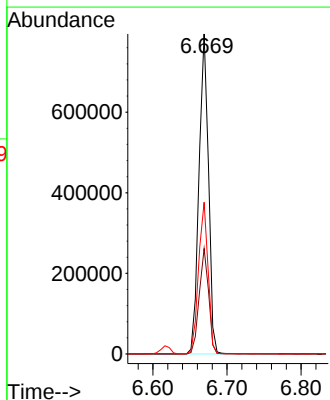
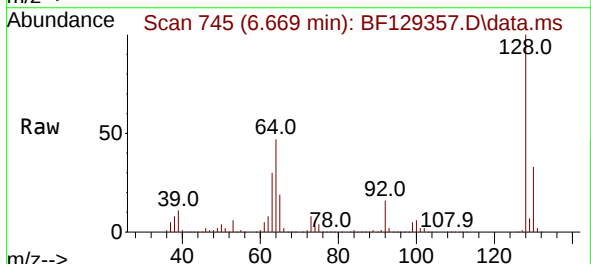
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 17.3  | 25.9  |
| 71  | 33.2  | 28.9  | 43.3  |

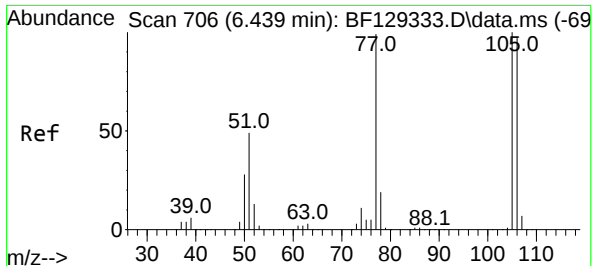


#8  
2-Chlorophenol  
Concen: 49.046 ng  
RT: 6.669 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 128 Resp: 709049

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.9  | 13.1  | 53.1  |
| 64  | 47.4  | 30.9  | 70.9  |

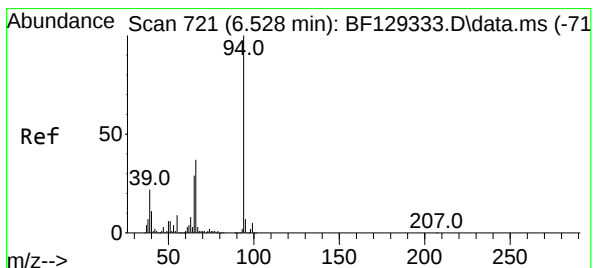
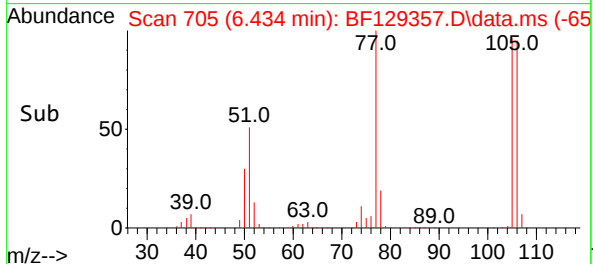
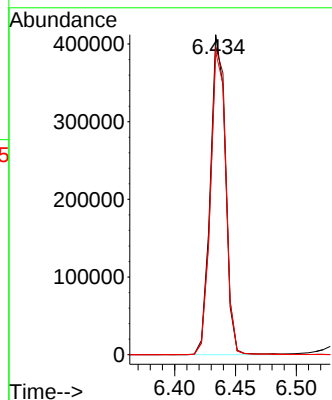
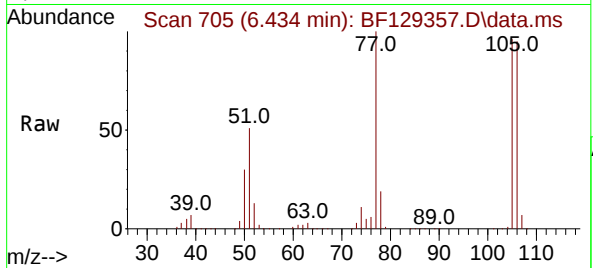




#9  
Benzaldehyde  
Concen: 31.456 ng  
RT: 6.434 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

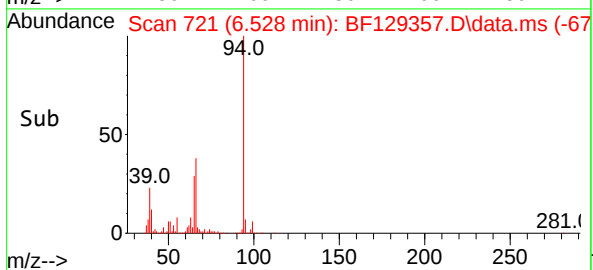
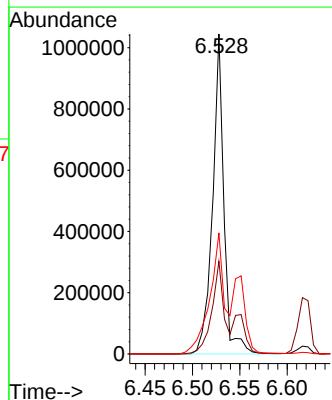
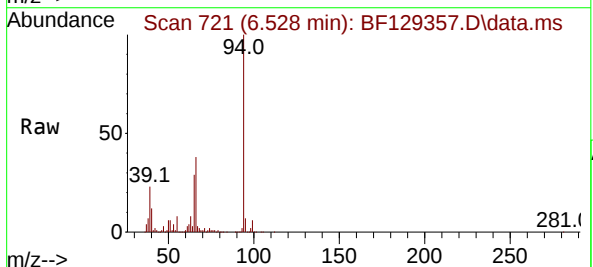
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

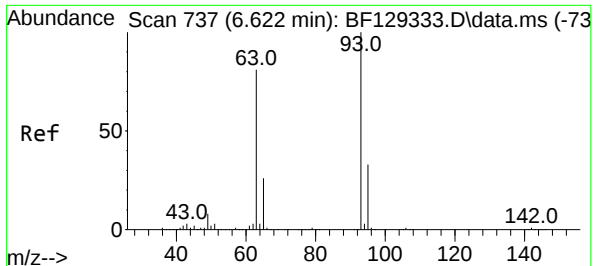
Tgt Ion: 77 Resp: 355306  
Ion Ratio Lower Upper  
77 100  
105 96.1 81.6 121.6  
106 94.5 76.1 116.1



#10  
Phenol  
Concen: 48.865 ng  
RT: 6.528 min Scan# 721  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 94 Resp: 865510  
Ion Ratio Lower Upper  
94 100  
65 28.9 11.4 51.4  
66 37.9 21.4 61.4

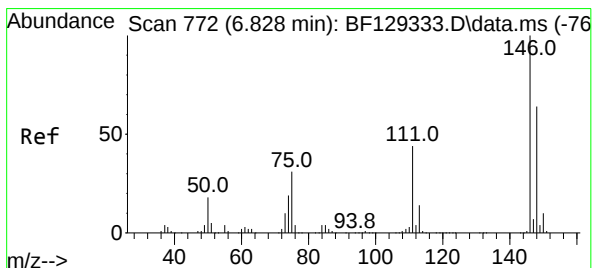
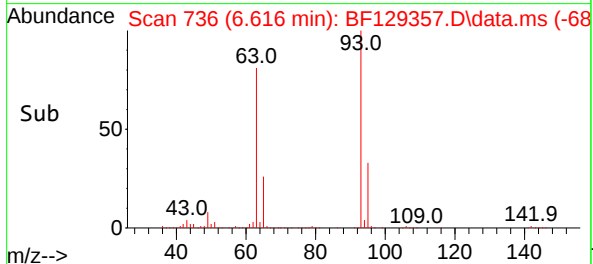
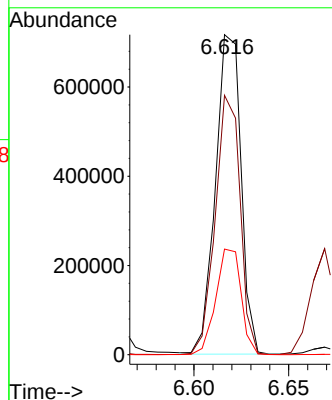
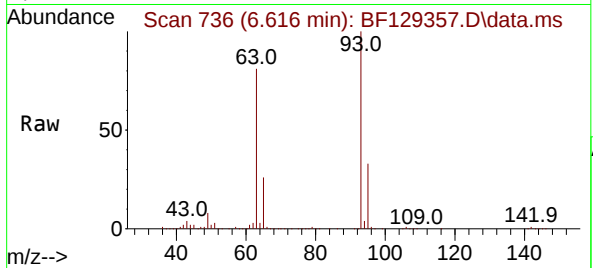




#11  
bis(2-Chloroethyl)ether  
Concen: 47.897 ng  
RT: 6.616 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

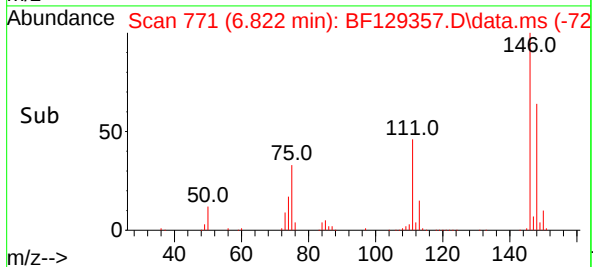
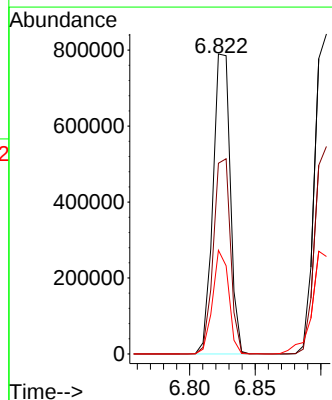
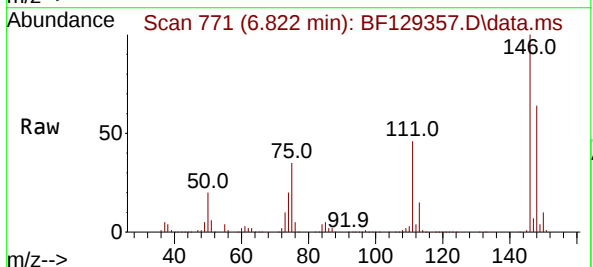
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

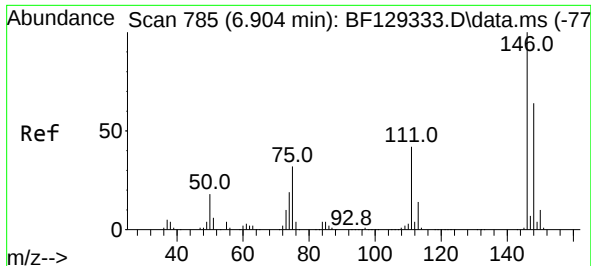
Tgt Ion: 93 Resp: 672798  
Ion Ratio Lower Upper  
93 100  
63 81.1 67.4 107.4  
95 33.0 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 46.787 ng  
RT: 6.822 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:146 Resp: 725443  
Ion Ratio Lower Upper  
146 100  
148 63.5 50.6 75.8  
75 34.6 26.3 39.5

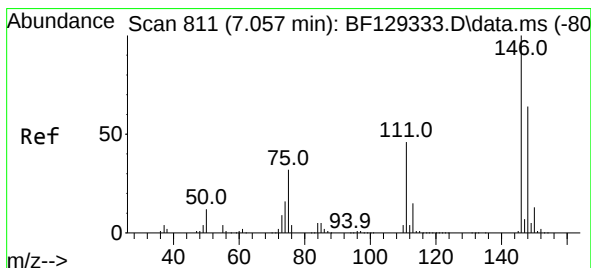
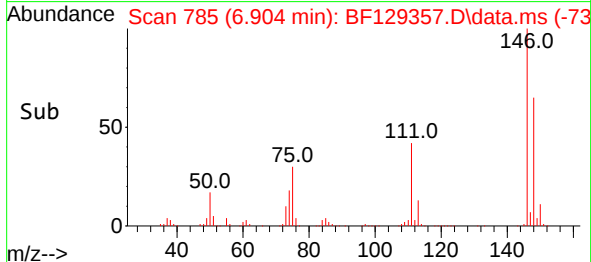
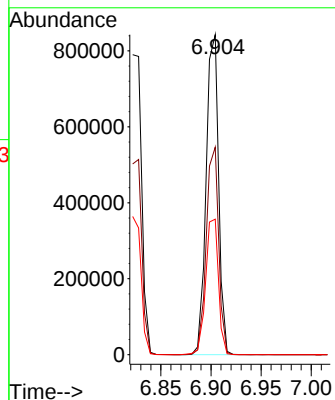
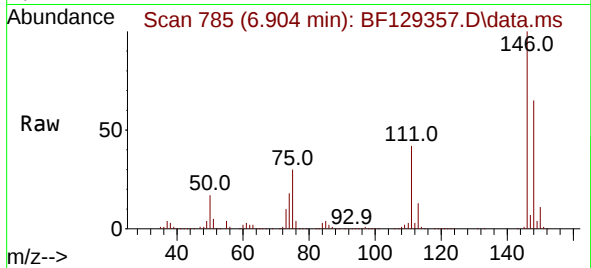




#13  
1,4-Dichlorobenzene  
Concen: 46.459 ng  
RT: 6.904 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

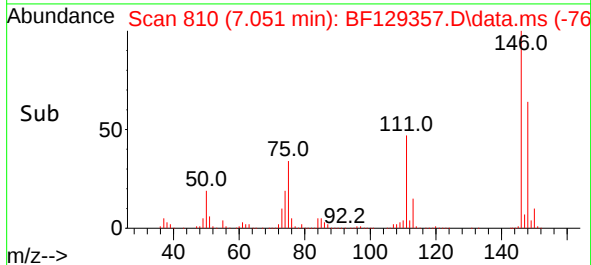
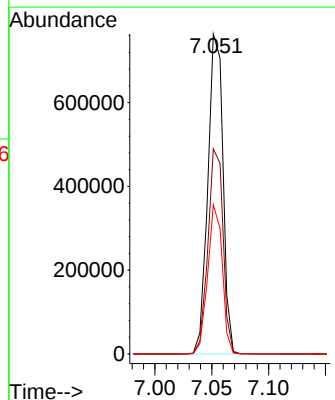
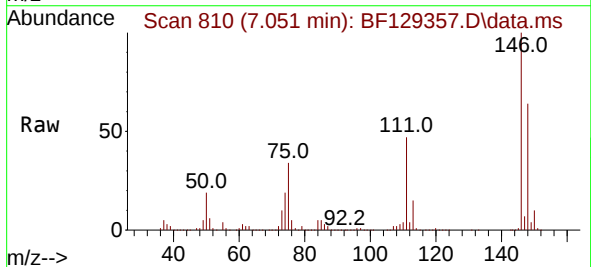
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

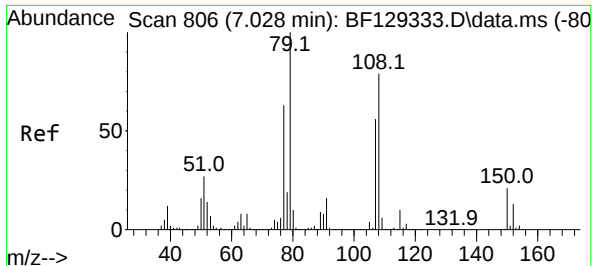
Tgt Ion:146 Resp: 732604  
Ion Ratio Lower Upper  
146 100  
148 64.9 51.1 76.7  
111 42.4 34.2 51.4



#14  
1,2-Dichlorobenzene  
Concen: 48.627 ng  
RT: 7.051 min Scan# 810  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:146 Resp: 704815  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.8 77.8  
111 46.6 35.1 52.7

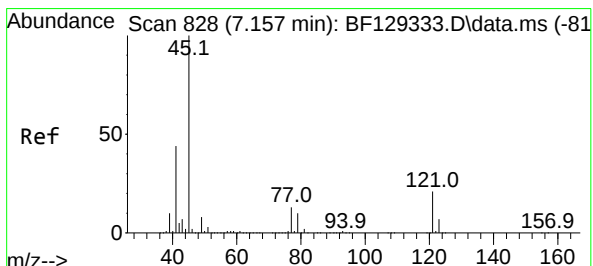
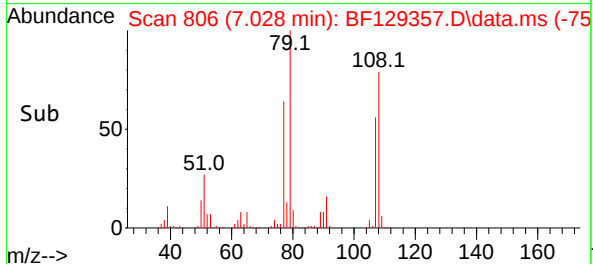
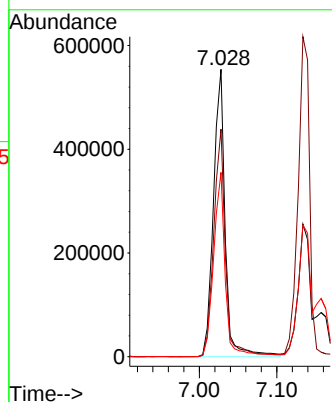
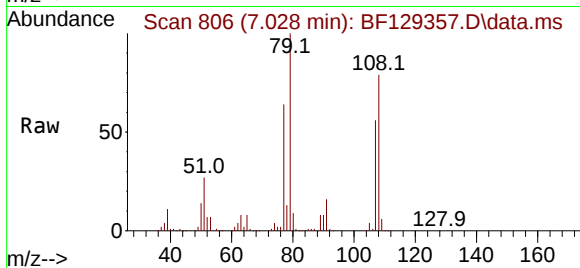




#15  
Benzyl Alcohol  
Concen: 48.191 ng  
RT: 7.028 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

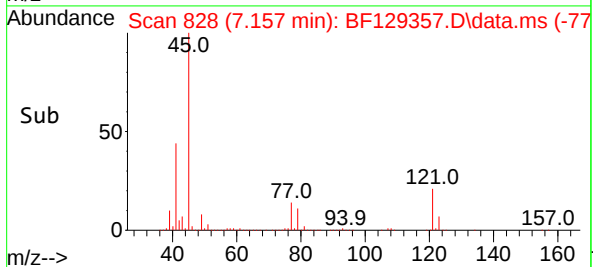
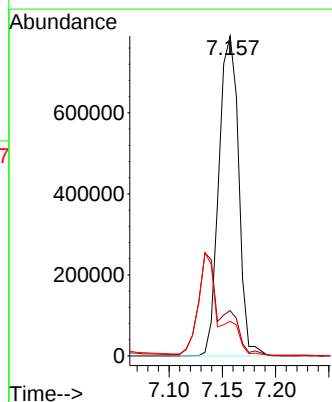
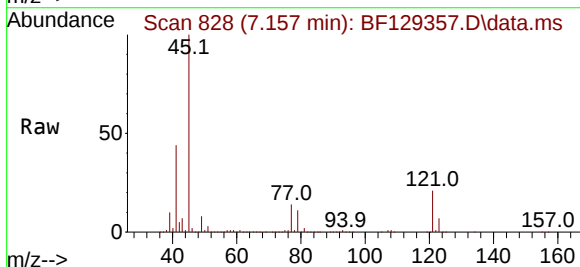
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

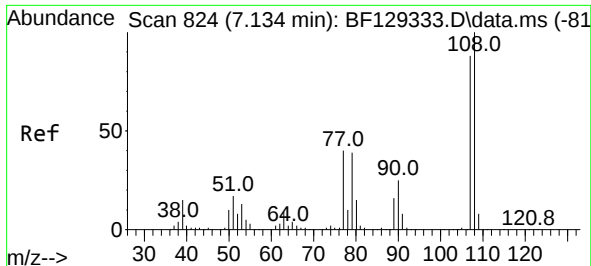
Tgt Ion: 79 Resp: 581321  
Ion Ratio Lower Upper  
79 100  
108 79.2 61.8 92.6  
77 64.1 50.2 75.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.051 ng  
RT: 7.157 min Scan# 828  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 45 Resp: 1014585  
Ion Ratio Lower Upper  
45 100  
77 14.2 0.0 31.3  
79 10.8 0.0 28.3

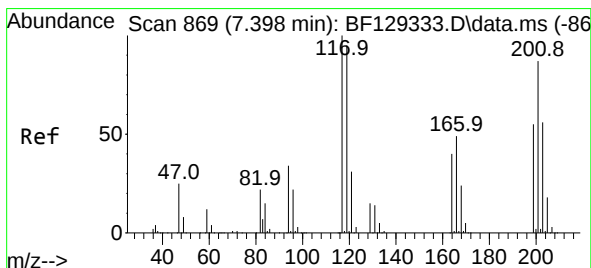
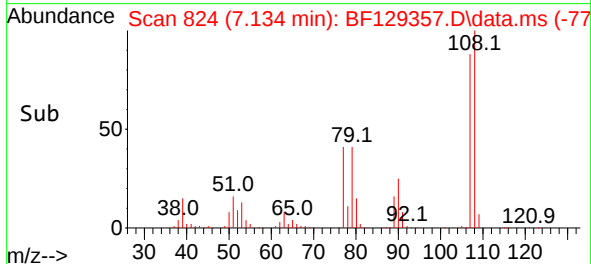
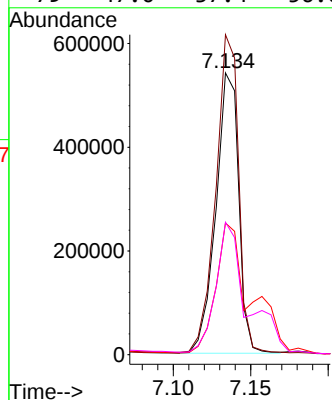
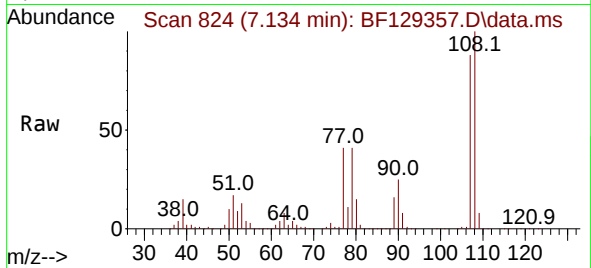




#17  
2-Methylphenol  
Concen: 46.171 ng  
RT: 7.134 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

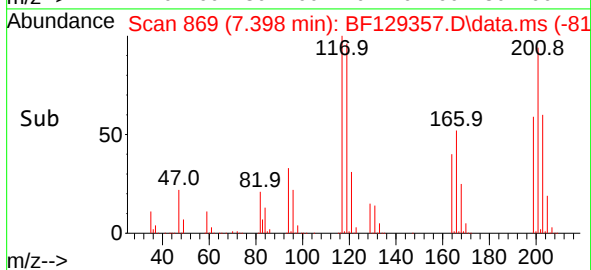
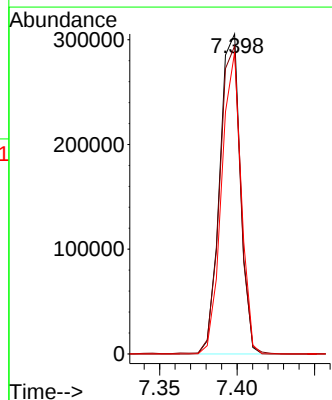
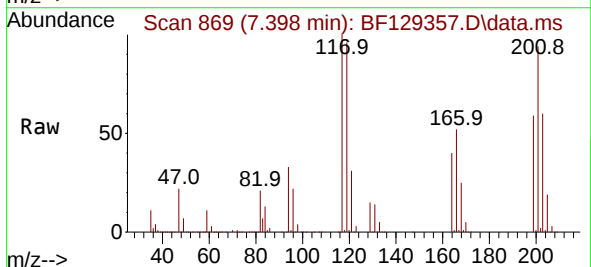
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

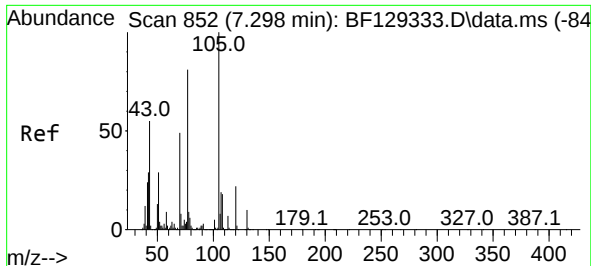
|             |              |
|-------------|--------------|
| Tgt Ion:107 | Resp: 553751 |
| Ion Ratio   | Lower Upper  |
| 107 100     |              |
| 108 113.6   | 91.9 137.9   |
| 77 46.7     | 37.8 56.8    |
| 79 47.0     | 37.4 56.0    |



#18  
Hexachloroethane  
Concen: 47.710 ng  
RT: 7.398 min Scan# 869  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

|             |              |
|-------------|--------------|
| Tgt Ion:117 | Resp: 283285 |
| Ion Ratio   | Lower Upper  |
| 117 100     |              |
| 119 96.2    | 77.4 116.2   |
| 201 94.3    | 84.6 127.0   |



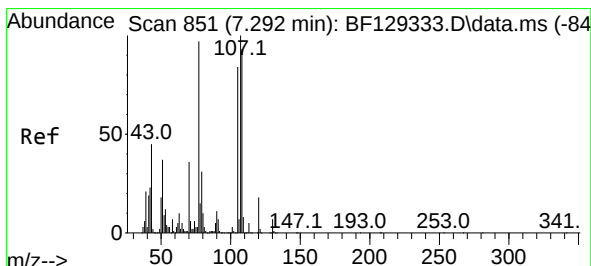
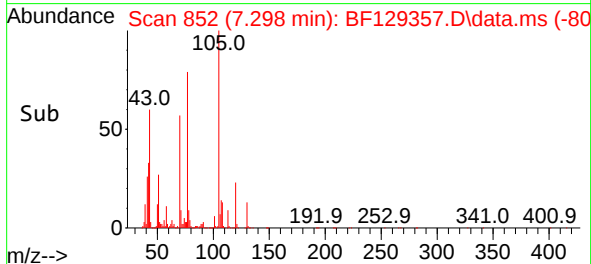
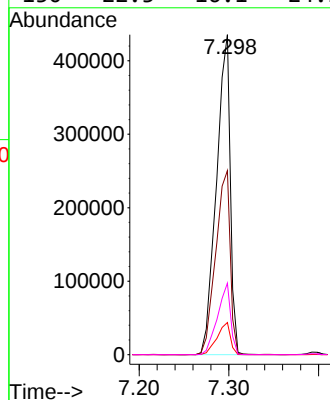
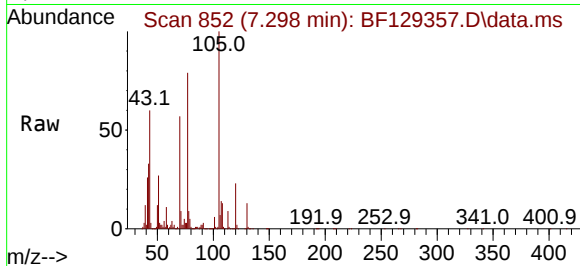


#19  
n-Nitroso-di-n-propylamine  
Concen: 46.185 ng  
RT: 7.298 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

Tgt Ion: 70 Resp: 465054

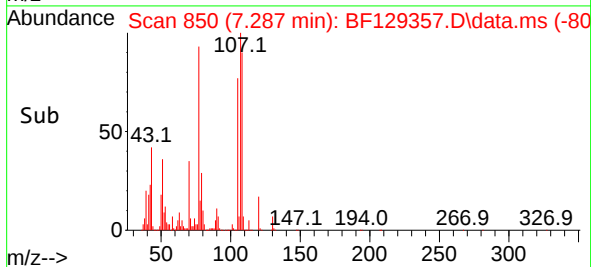
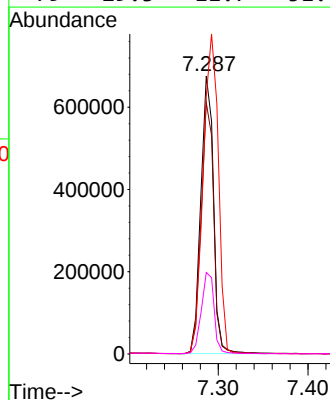
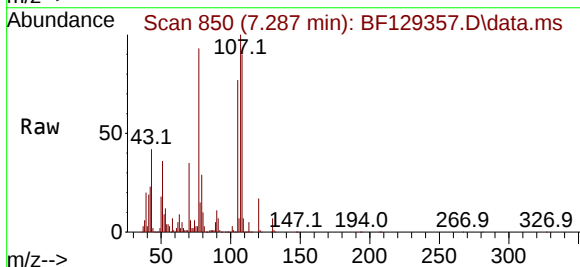
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.5  | 52.3  | 78.5  |
| 101 | 10.1  | 7.5   | 11.3  |
| 130 | 22.3  | 16.1  | 24.1  |

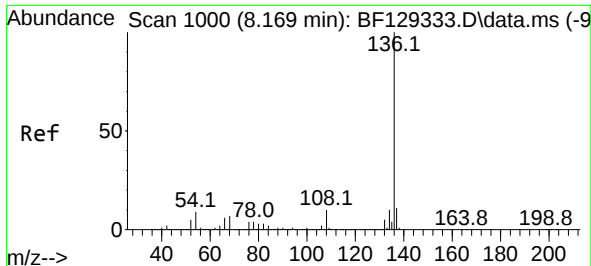


#20  
3+4-Methylphenols  
Concen: 43.531 ng  
RT: 7.287 min Scan# 850  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 107 Resp: 663818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 90.4  | 71.8  | 111.8 |
| 77  | 92.7  | 59.3  | 99.3  |
| 79  | 29.3  | 11.7  | 51.7  |

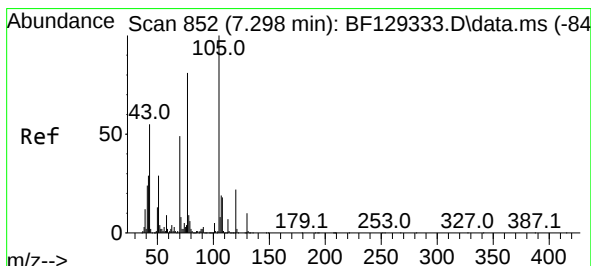
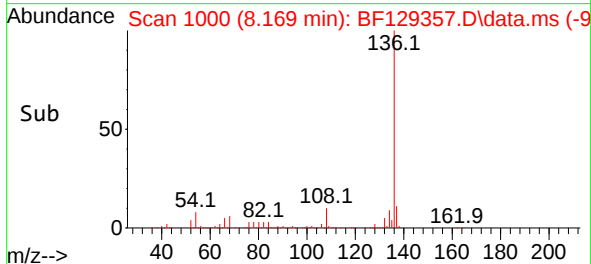
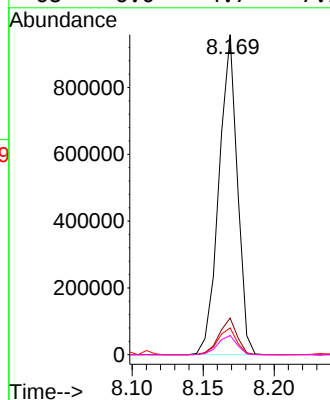
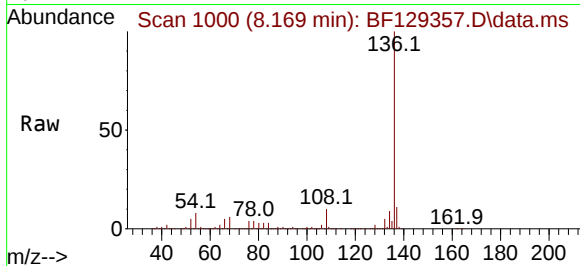




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

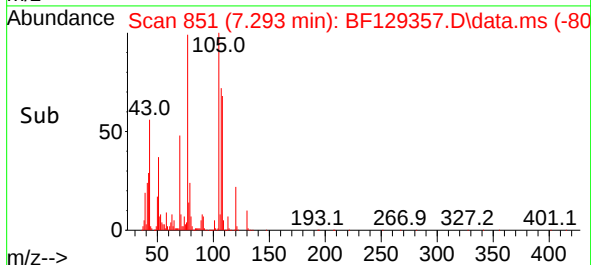
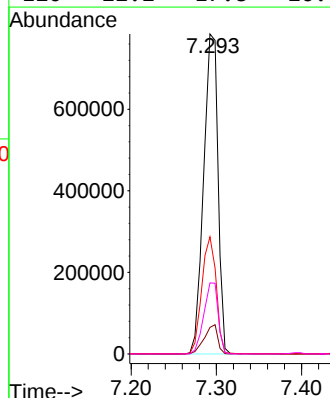
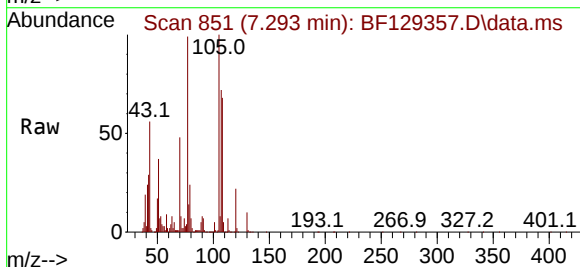
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

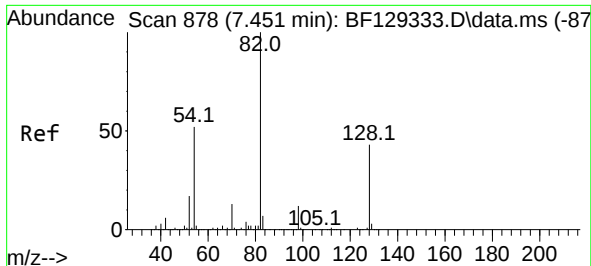
Tgt Ion:136 Resp: 859613  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 8.4 7.5 11.3  
68 6.0 4.7 7.1



#22  
Acetophenone  
Concen: 45.969 ng  
RT: 7.293 min Scan# 851  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:105 Resp: 920007  
Ion Ratio Lower Upper  
105 100  
71 8.3 5.0 7.4#  
51 36.6 25.0 37.4  
120 22.2 17.8 26.8





#23

Nitrobenzene-d5

Concen: 64.163 ng

RT: 7.451 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

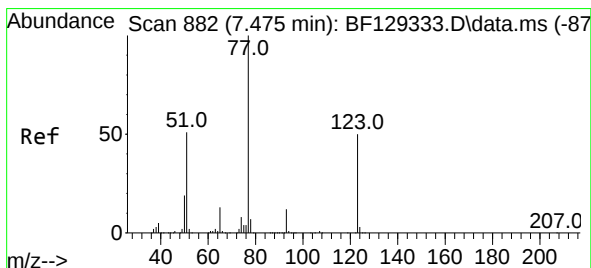
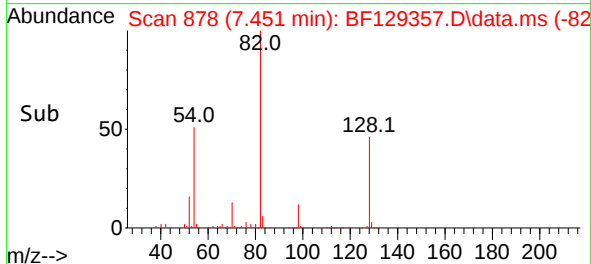
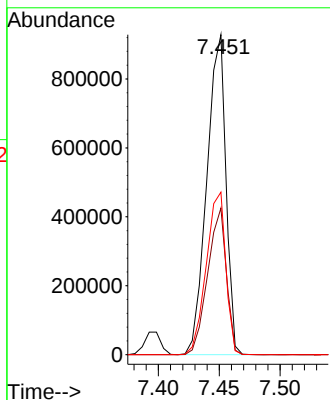
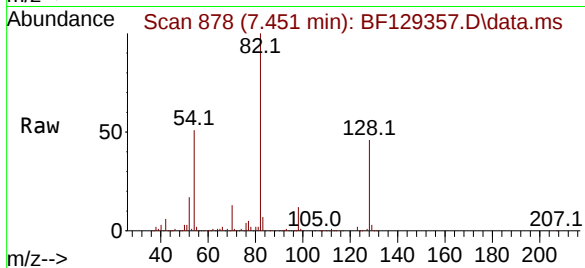
Tgt Ion: 82 Resp: 1010380

Ion Ratio Lower Upper

82 100

128 45.8 34.0 51.0

54 50.8 46.9 70.3



#24

Nitrobenzene

Concen: 45.114 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

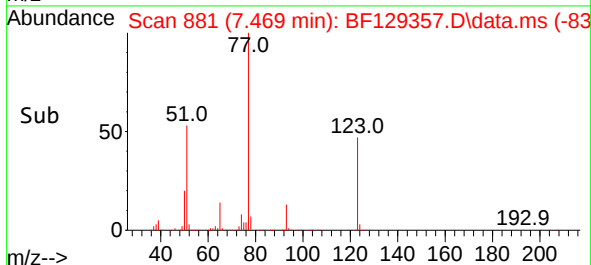
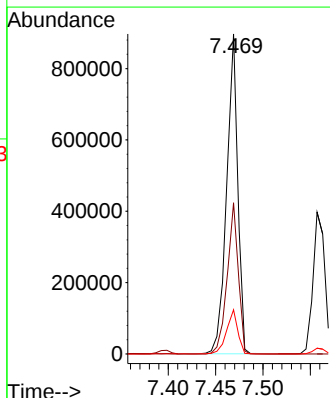
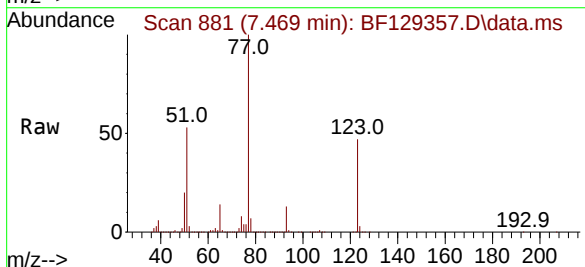
Tgt Ion: 77 Resp: 731555

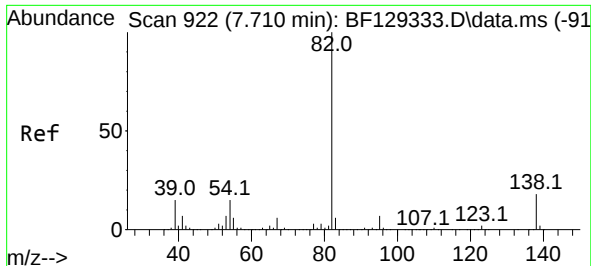
Ion Ratio Lower Upper

77 100

123 47.3 35.4 53.2

65 13.8 11.8 17.8

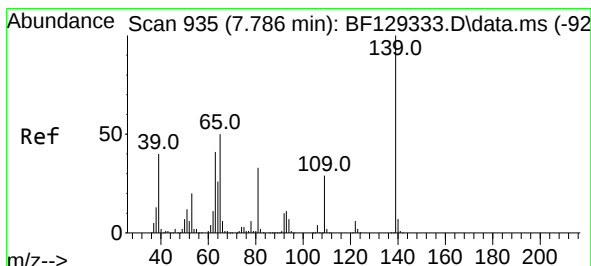
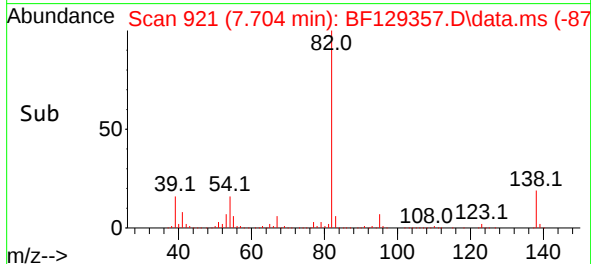
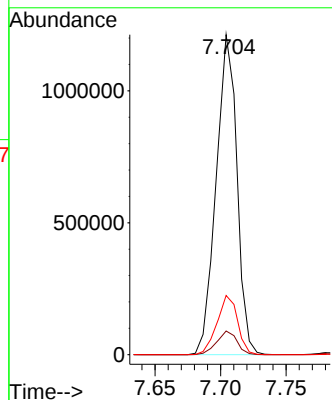
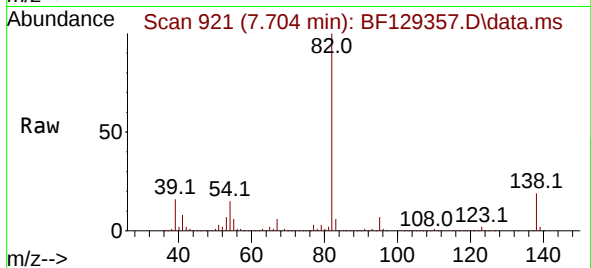




#25  
Isophorone  
Concen: 47.351 ng  
RT: 7.704 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

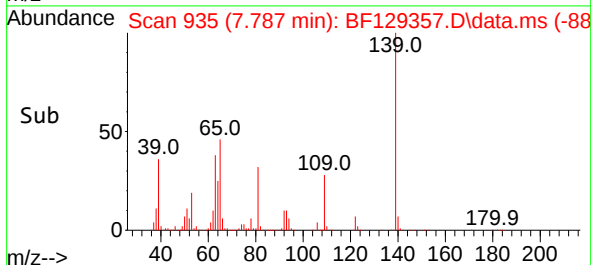
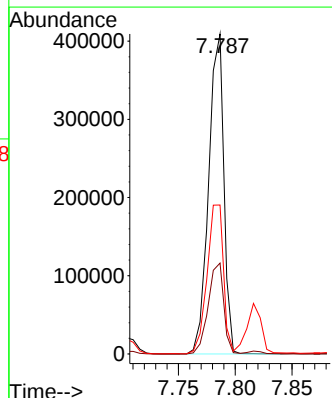
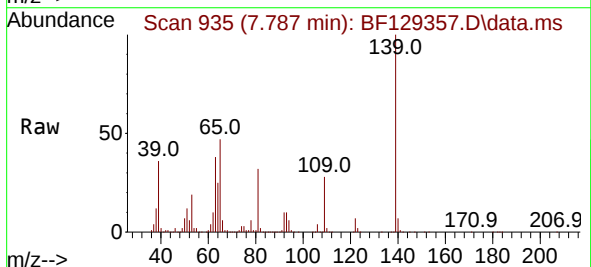
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

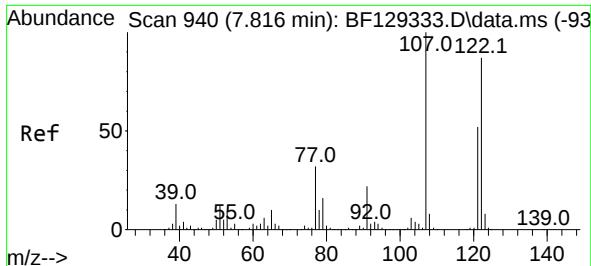
Tgt Ion: 82 Resp: 1336570  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.7 8.5  
138 18.5 14.2 21.2



#26  
2-Nitrophenol  
Concen: 47.614 ng  
RT: 7.787 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:139 Resp: 380894  
Ion Ratio Lower Upper  
139 100  
109 28.4 25.0 37.4  
65 46.6 45.1 67.7

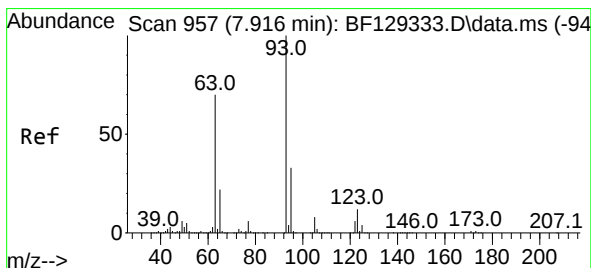
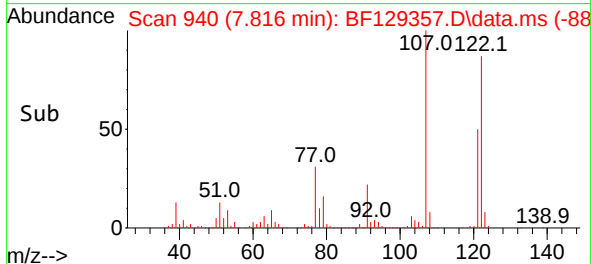
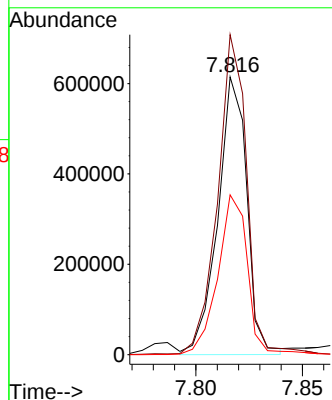
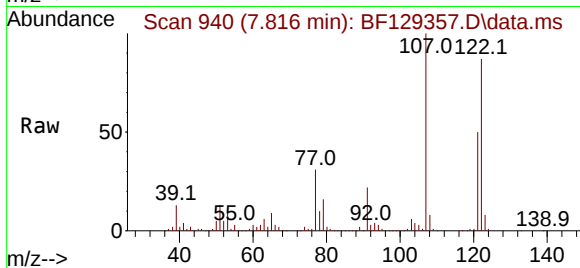




#27  
2,4-Dimethylphenol  
Concen: 48.286 ng  
RT: 7.816 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

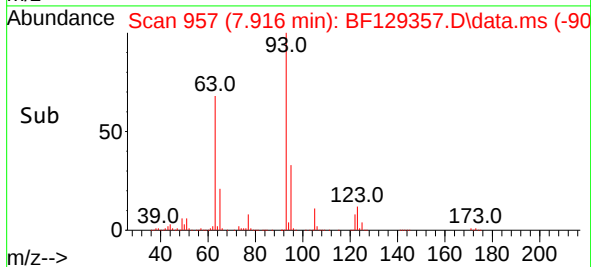
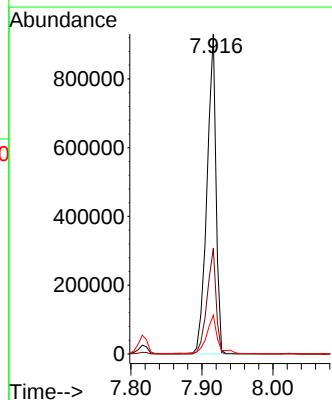
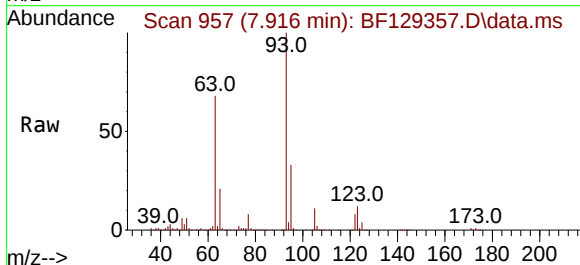
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

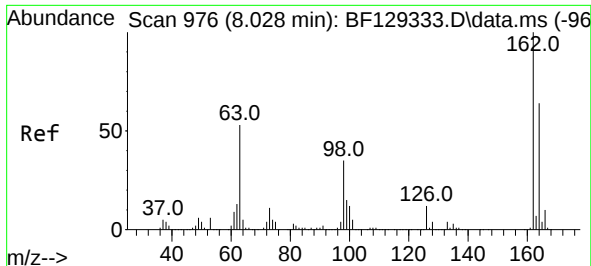
Tgt Ion:122 Resp: 579419  
Ion Ratio Lower Upper  
122 100  
107 115.2 93.0 139.6  
121 57.5 46.6 70.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 50.501 ng  
RT: 7.916 min Scan# 957  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 93 Resp: 826926  
Ion Ratio Lower Upper  
93 100  
95 33.0 26.8 40.2  
123 12.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 45.858 ng

RT: 8.028 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129357.D

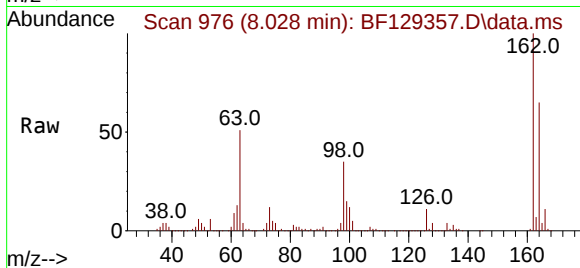
Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD



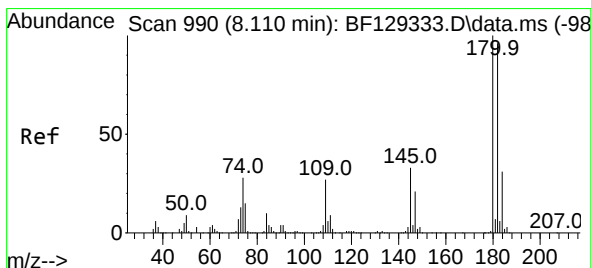
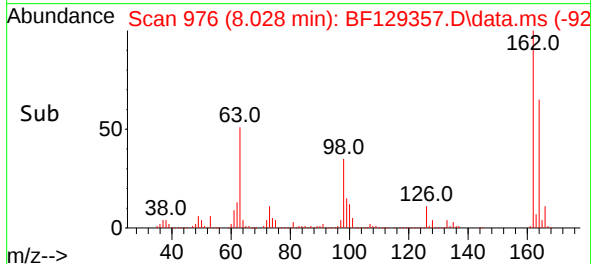
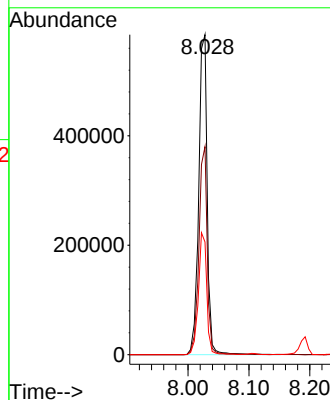
Tgt Ion:162 Resp: 567961

Ion Ratio Lower Upper

162 100

164 65.0 44.2 84.2

98 35.2 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 44.222 ng

RT: 8.110 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

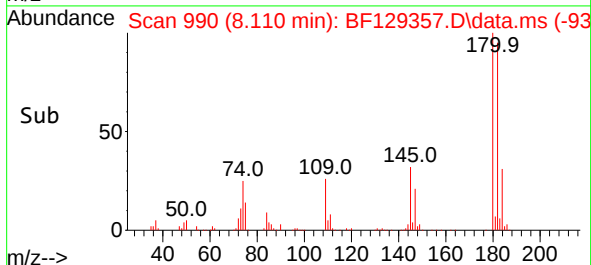
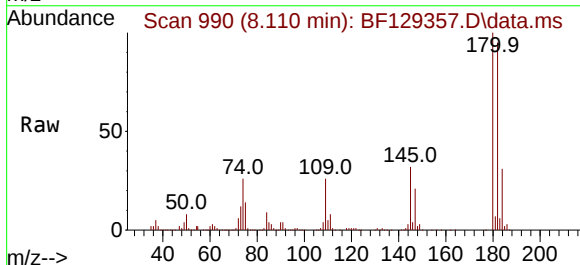
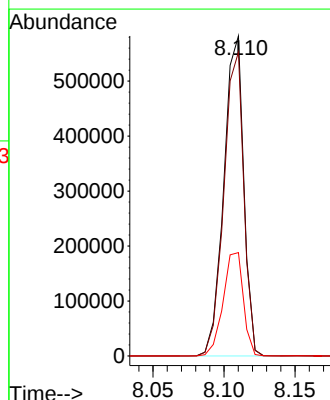
Tgt Ion:180 Resp: 566921

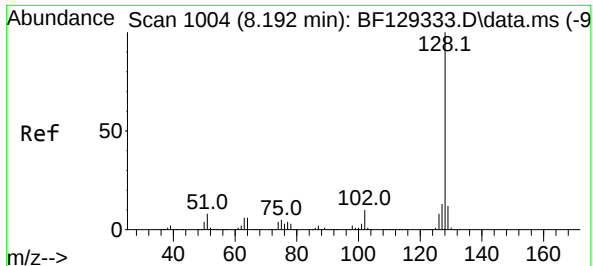
Ion Ratio Lower Upper

180 100

182 94.9 79.2 118.8

145 32.3 26.2 39.2

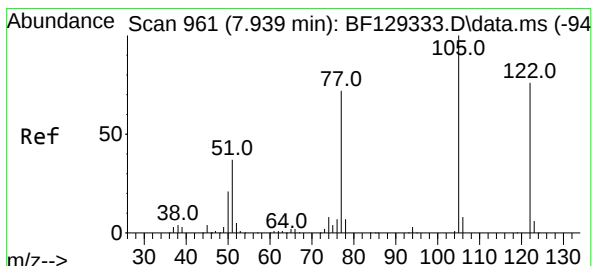
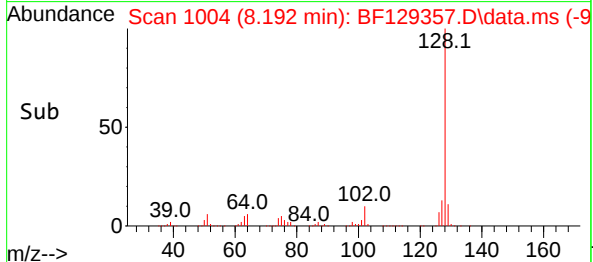
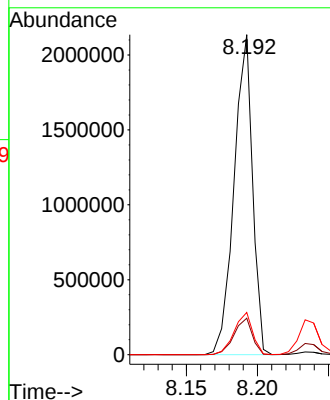
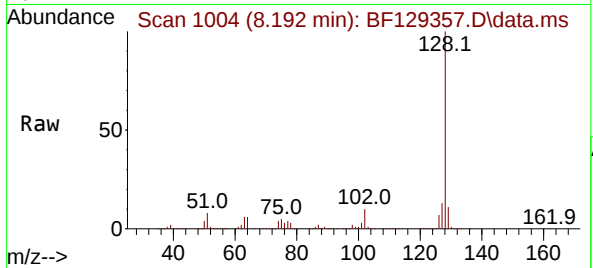




#31  
Naphthalene  
Concen: 44.282 ng  
RT: 8.192 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

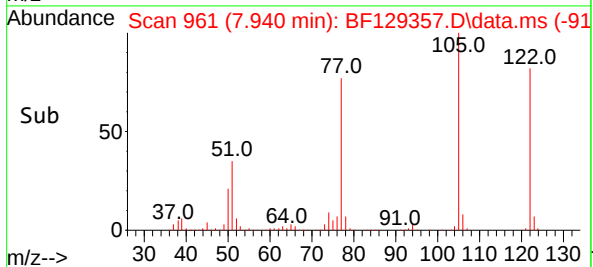
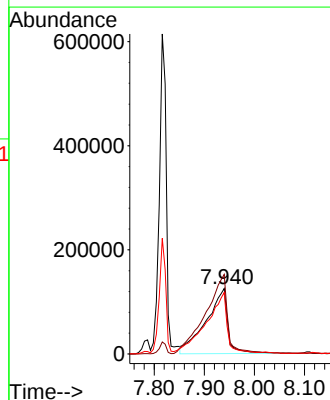
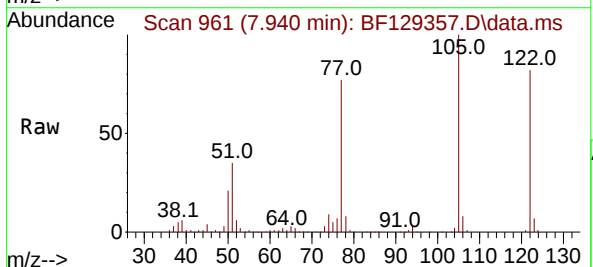
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

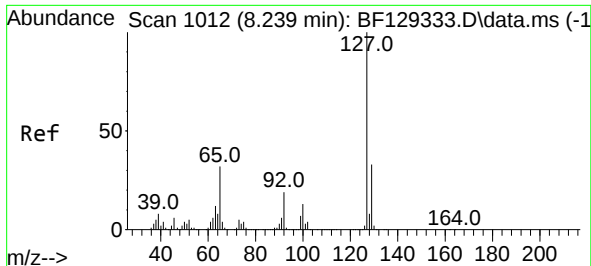
Tgt Ion:128 Resp: 1933953  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.2 13.8  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 43.206 ng  
RT: 7.940 min Scan# 961  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:122 Resp: 374809  
Ion Ratio Lower Upper  
122 100  
105 121.5 107.1 147.1  
77 94.0 74.2 114.2

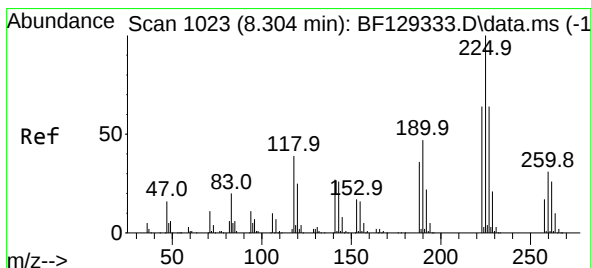
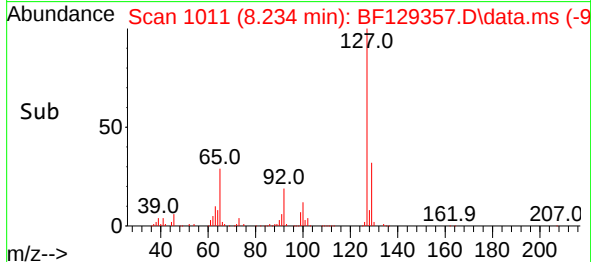
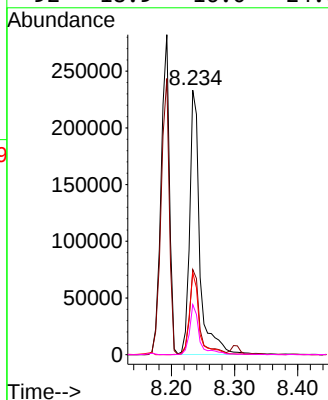
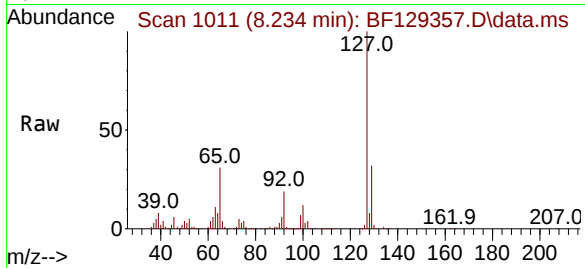




#33  
4-Chloroaniline  
Concen: 14.705 ng  
RT: 8.234 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

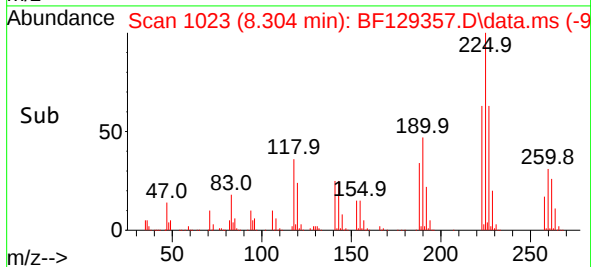
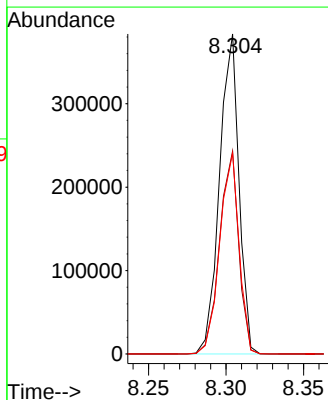
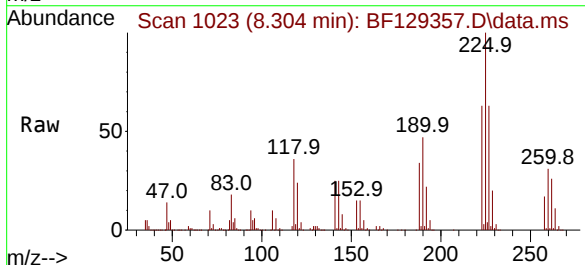
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

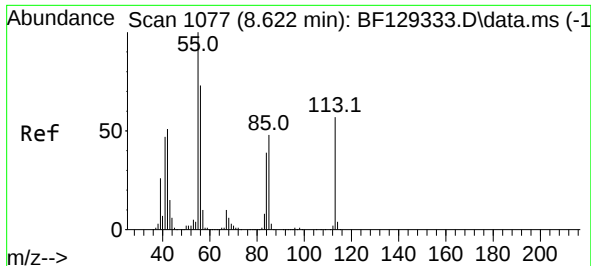
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 263674 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.2  | 26.4  | 39.6   |
| 65       | 30.9  | 26.4  | 39.6   |
| 92       | 18.9  | 16.0  | 24.0   |



#34  
Hexachlorobutadiene  
Concen: 45.836 ng  
RT: 8.304 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 334018 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.4  | 51.0  | 76.6   |
| 227      | 62.8  | 51.1  | 76.7   |

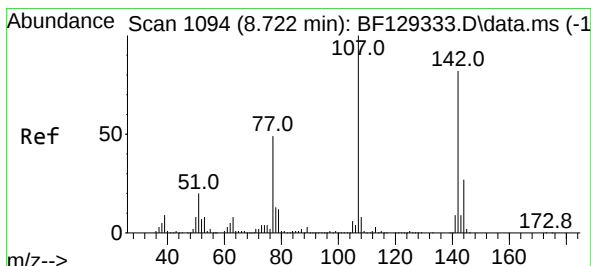
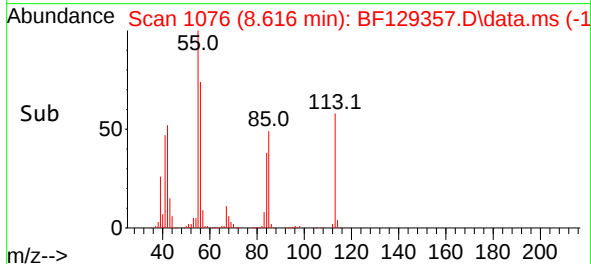
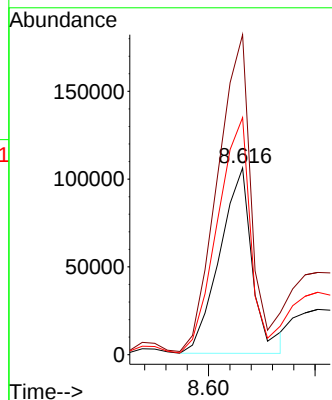
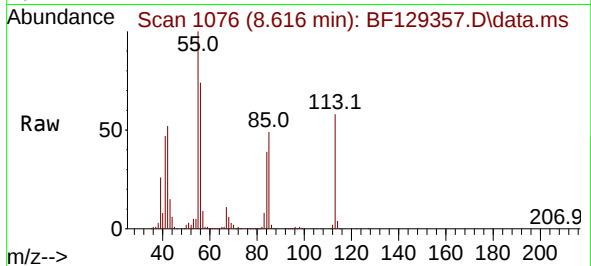




#35  
 Caprolactam  
 Concen: 28.193 ng  
 RT: 8.616 min Scan# 1076  
 Delta R.T. -0.006 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

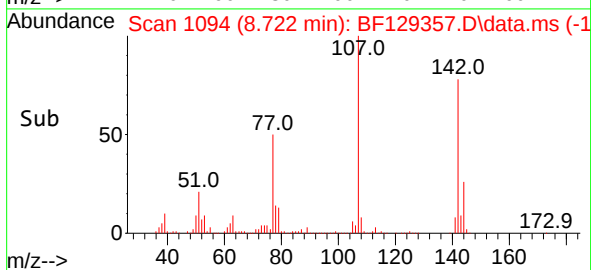
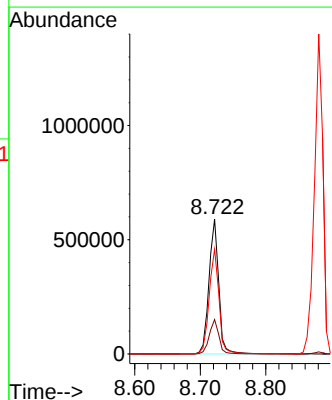
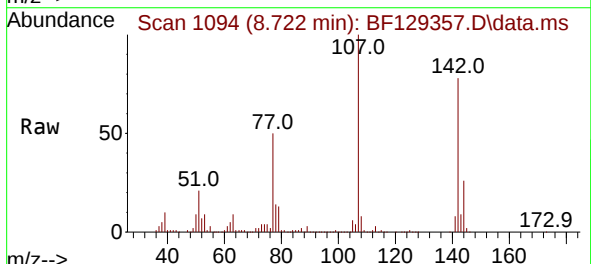
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-1-(10-15)MSD

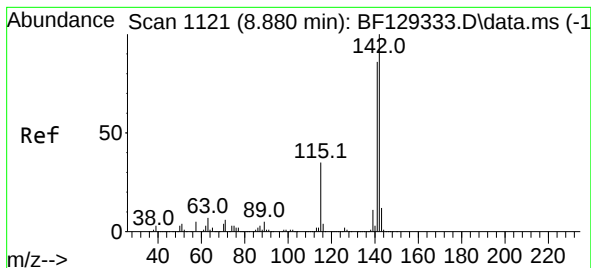
Tgt Ion:113 Resp: 113523  
 Ion Ratio Lower Upper  
 113 100  
 55 171.3 188.5 228.5#  
 56 127.0 130.6 170.6#



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.748 ng  
 RT: 8.722 min Scan# 1094  
 Delta R.T. 0.000 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

Tgt Ion:107 Resp: 614080  
 Ion Ratio Lower Upper  
 107 100  
 144 25.5 19.5 29.3  
 142 77.7 58.2 87.4





#37

2-Methylnaphthalene

Concen: 44.950 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

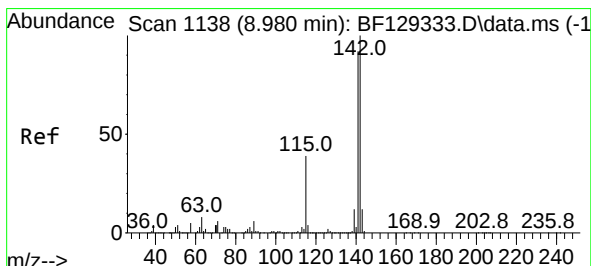
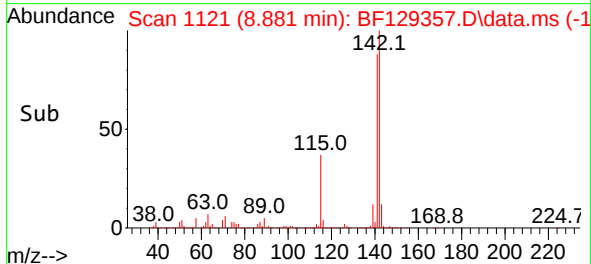
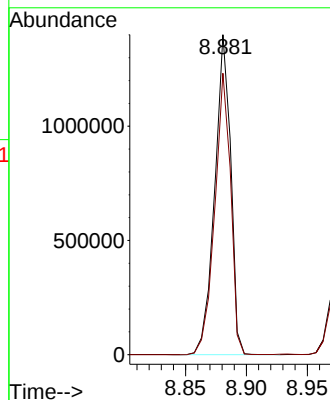
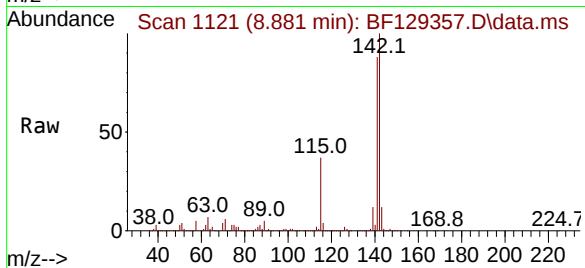
ENV-DE-1-(10-15)MSD

Tgt Ion:142 Resp: 1275741

Ion Ratio Lower Upper

142 100

141 87.9 71.0 106.4



#38

1-Methylnaphthalene

Concen: 44.079 ng

RT: 8.981 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF129357.D

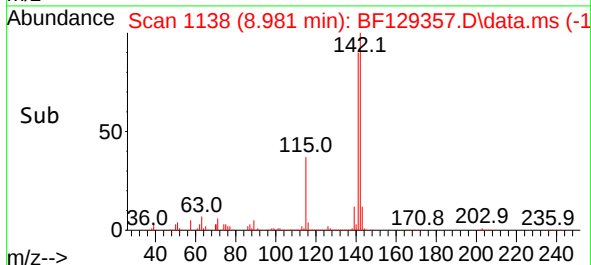
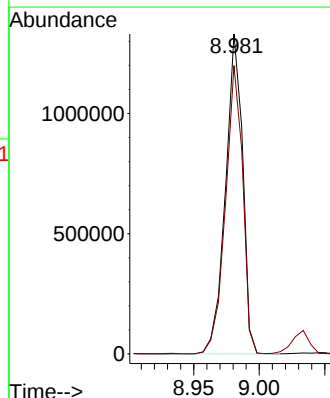
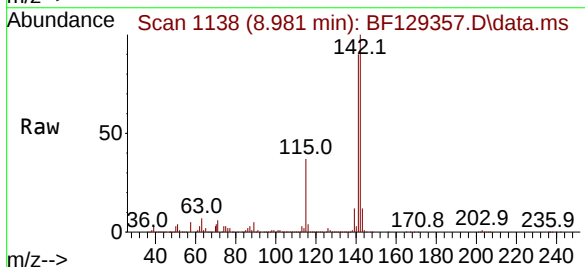
Acq: 26 Jul 2022 16:05

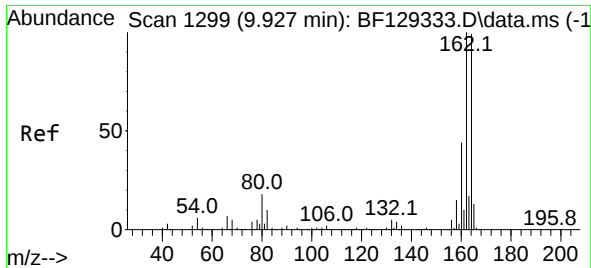
Tgt Ion:142 Resp: 1207689

Ion Ratio Lower Upper

142 100

141 90.2 74.2 111.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1129

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

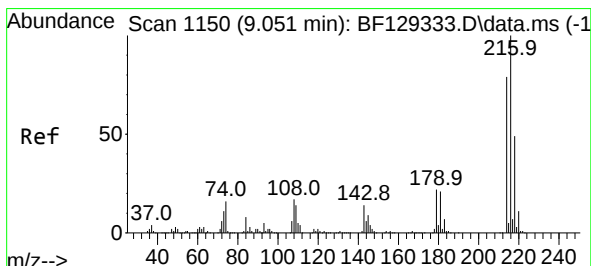
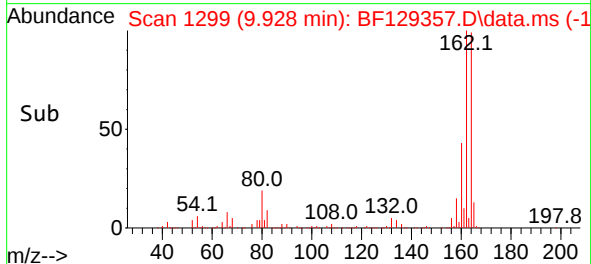
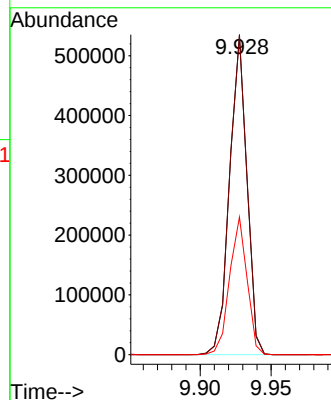
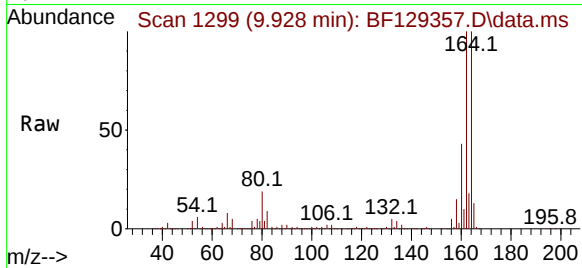
Tgt Ion:164 Resp: 451457

Ion Ratio Lower Upper

164 100

162 99.7 79.5 119.3

160 43.0 34.2 51.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.507 ng

RT: 9.051 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Tgt Ion:216 Resp: 539455

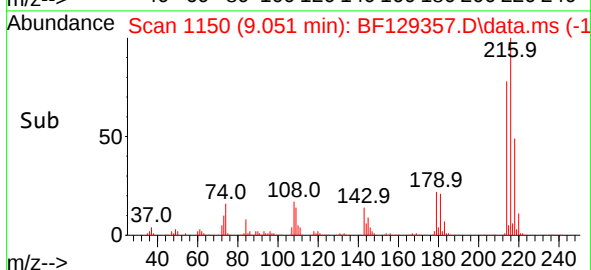
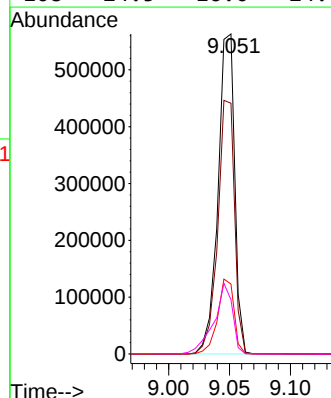
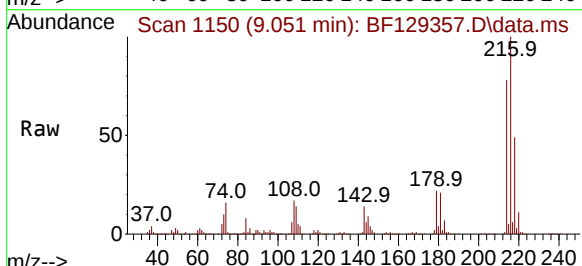
Ion Ratio Lower Upper

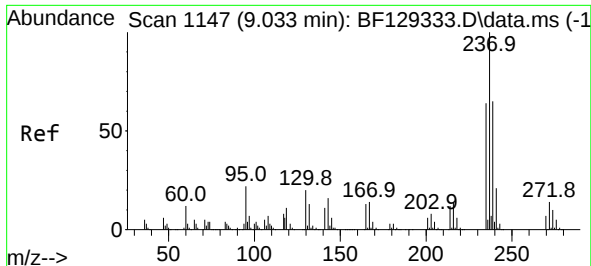
216 100

214 79.4 63.6 95.4

179 22.9 17.0 25.6

108 24.5 16.0 24.0#

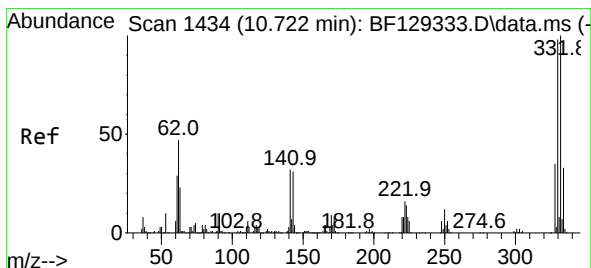
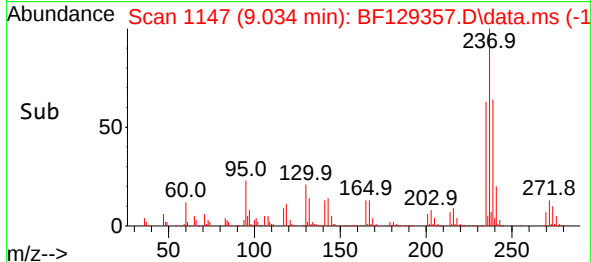
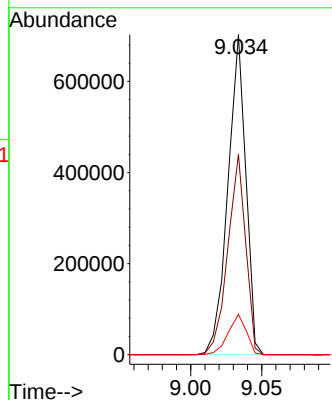
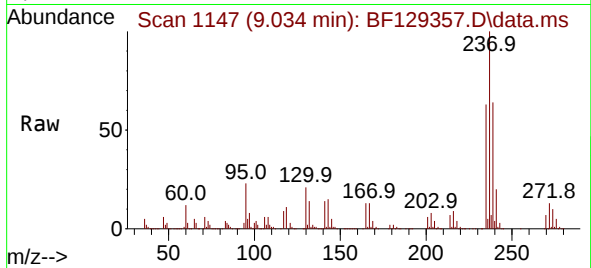




#41  
Hexachlorocyclopentadiene  
Concen: 117.002 ng  
RT: 9.034 min Scan# 1147  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

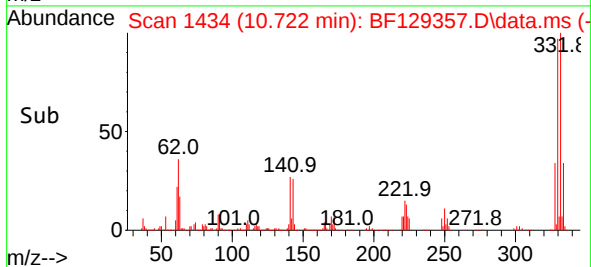
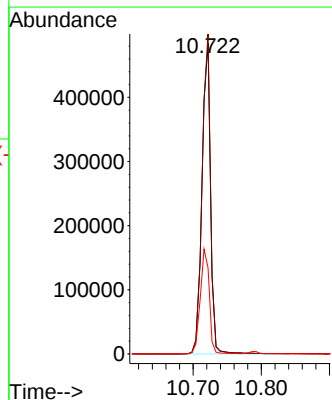
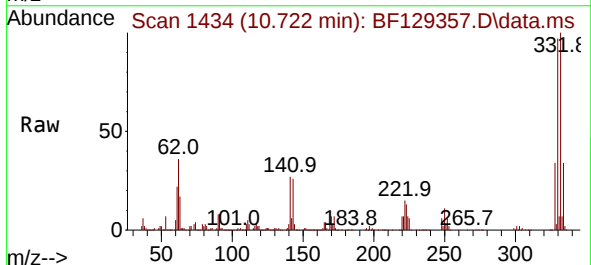
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

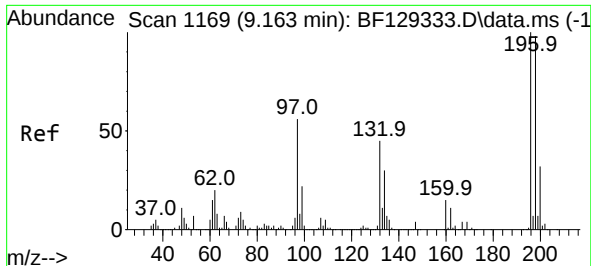
Tgt Ion:237 Resp: 617606  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.2 83.2  
272 12.6 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 97.460 ng  
RT: 10.722 min Scan# 1434  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:330 Resp: 423017  
Ion Ratio Lower Upper  
330 100  
332 101.7 76.8 115.2  
141 35.6 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 44.912 ng

RT: 9.157 min Scan# 1168

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

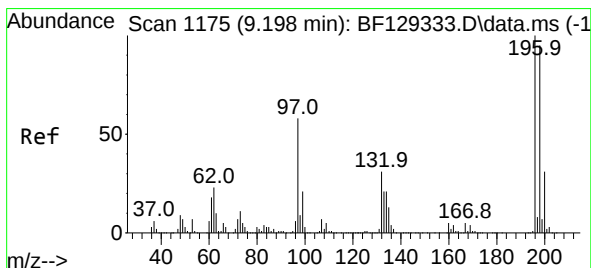
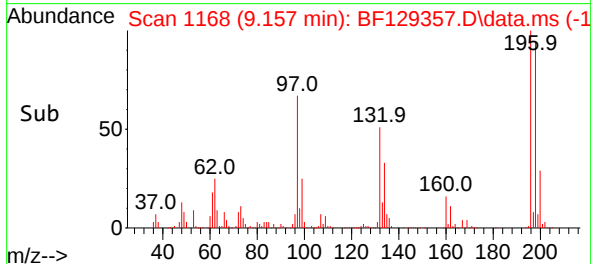
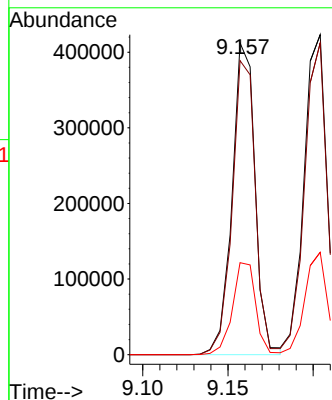
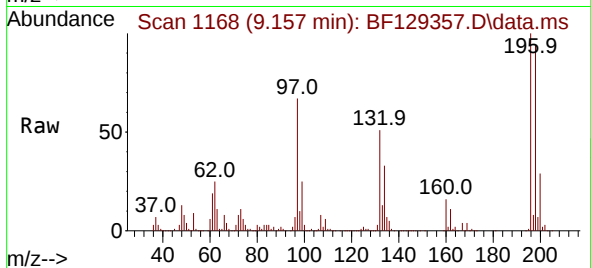
Tgt Ion:196 Resp: 386684

Ion Ratio Lower Upper

196 100

198 94.3 74.0 111.0

200 29.5 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 43.802 ng

RT: 9.204 min Scan# 1176

Delta R.T. 0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Tgt Ion:196 Resp: 410122

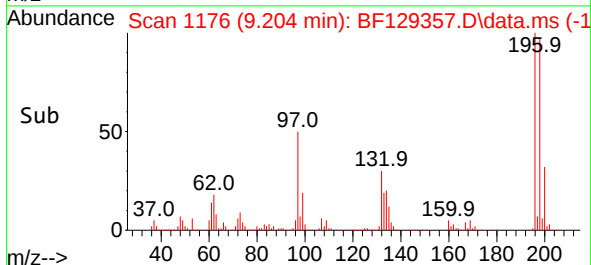
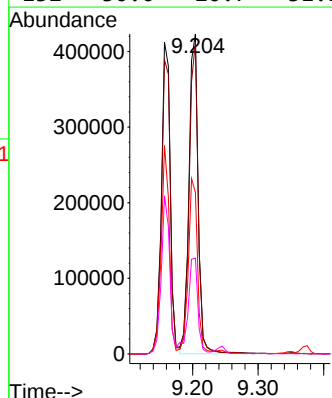
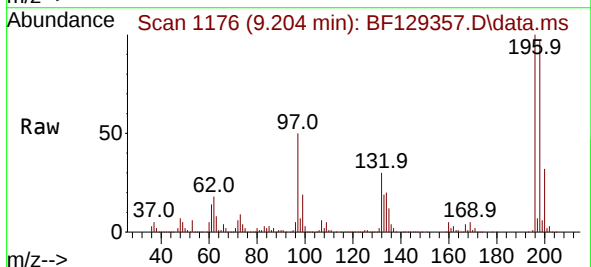
Ion Ratio Lower Upper

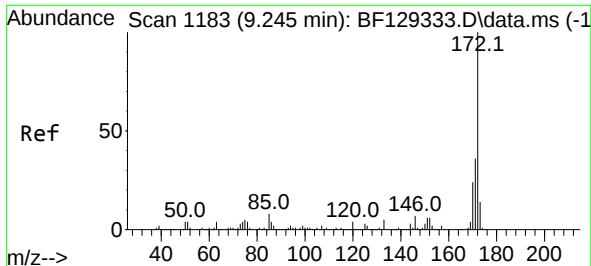
196 100

198 97.4 75.7 113.5

97 50.5 36.4 54.6

132 30.0 20.7 31.1





#45

2-Fluorobiphenyl

Concen: 59.526 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

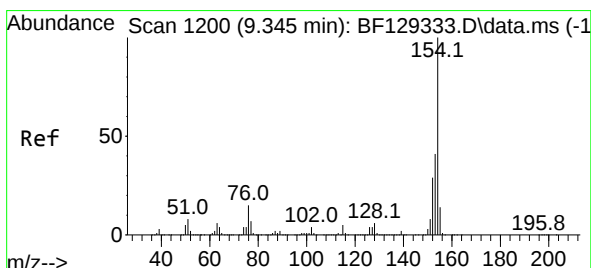
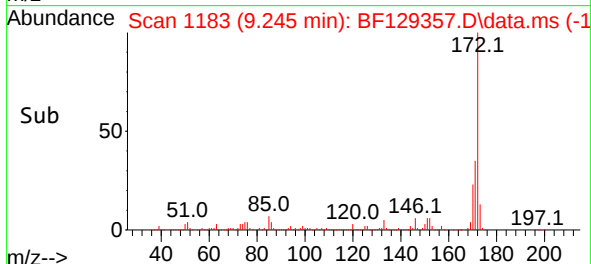
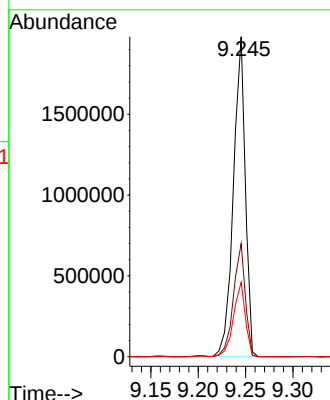
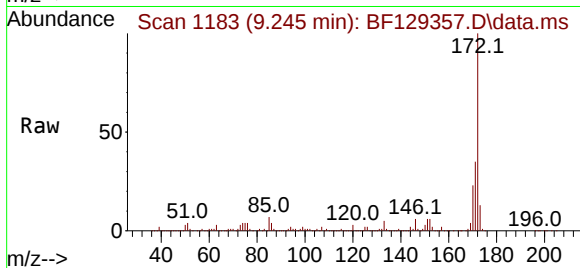
Tgt Ion:172 Resp: 1737187

Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.2 19.8 29.8



#46

1,1'-Biphenyl

Concen: 45.734 ng

RT: 9.345 min Scan# 1200

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

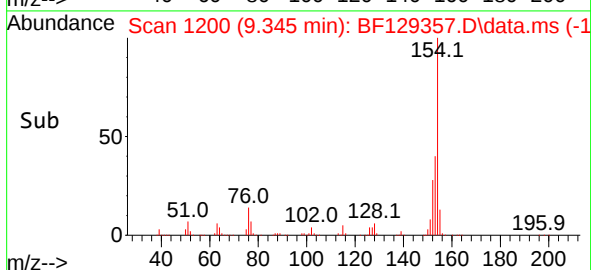
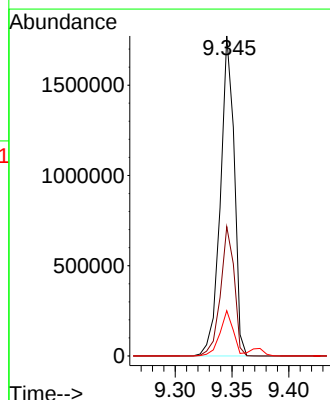
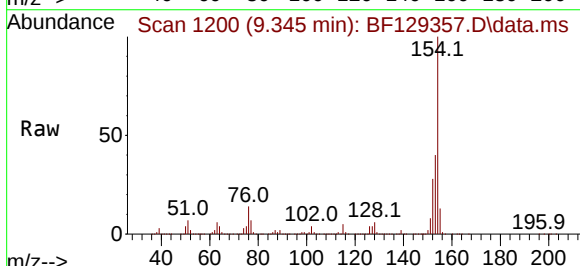
Tgt Ion:154 Resp: 1506816

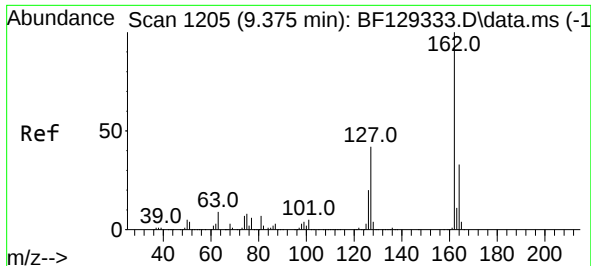
Ion Ratio Lower Upper

154 100

153 40.4 20.6 60.6

76 14.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 44.643 ng

RT: 9.375 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

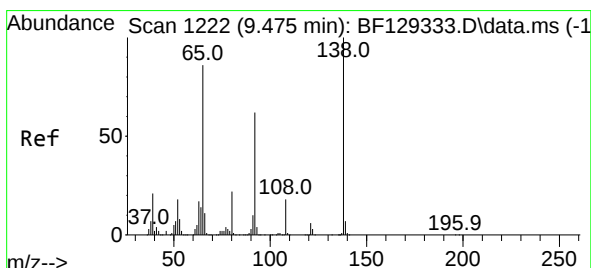
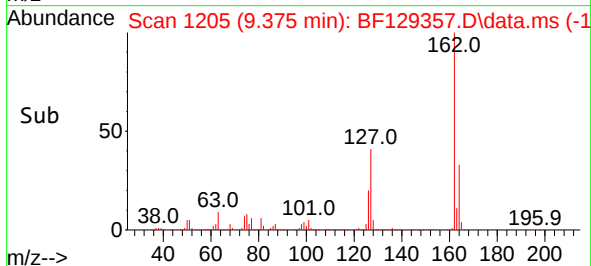
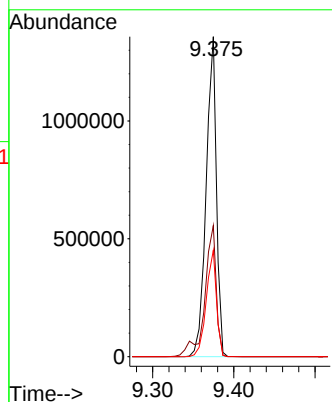
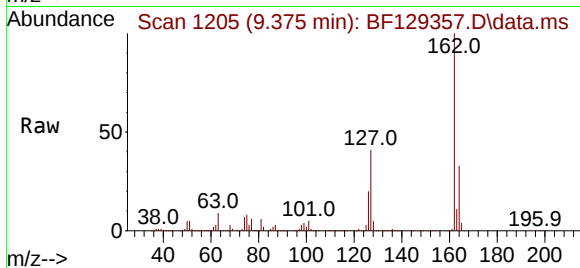
Tgt Ion:162 Resp: 1189050

Ion Ratio Lower Upper

162 100

127 41.0 34.5 51.7

164 33.2 26.5 39.7



#48

2-Nitroaniline

Concen: 43.603 ng

RT: 9.469 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

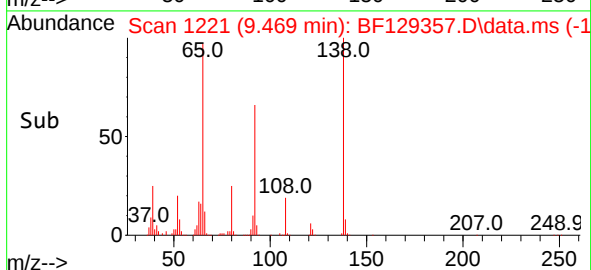
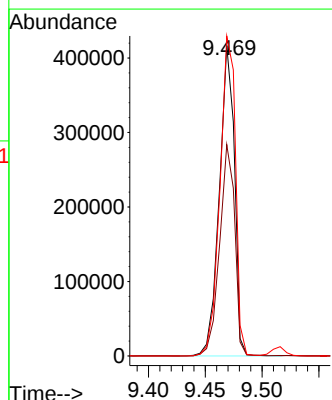
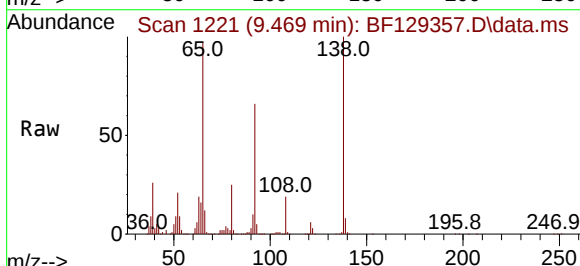
Tgt Ion: 65 Resp: 386174

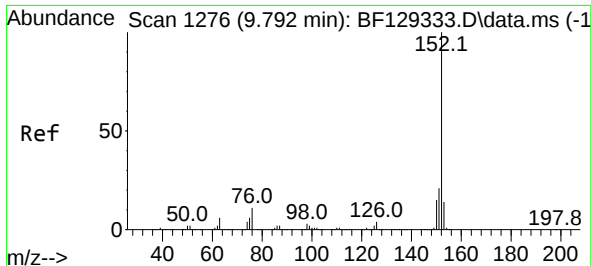
Ion Ratio Lower Upper

65 100

92 68.1 51.9 77.9

138 103.1 76.4 114.6

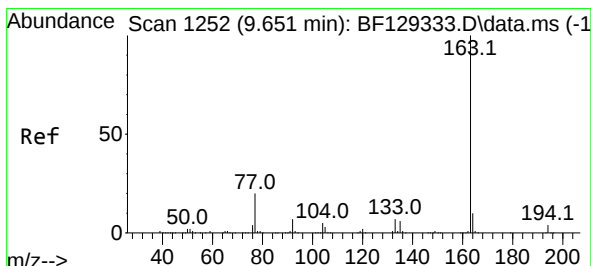
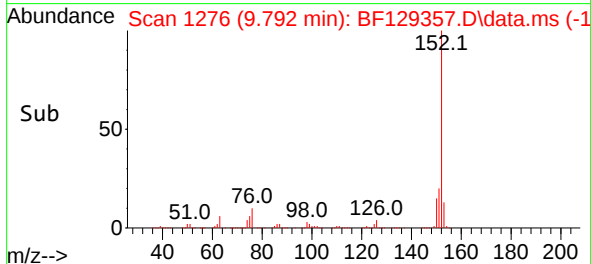
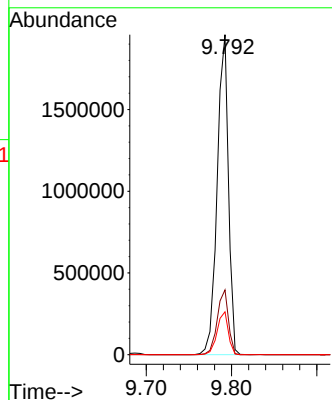
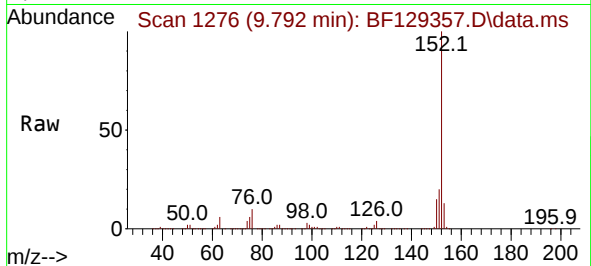




#49  
Acenaphthylene  
Concen: 44.287 ng  
RT: 9.792 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

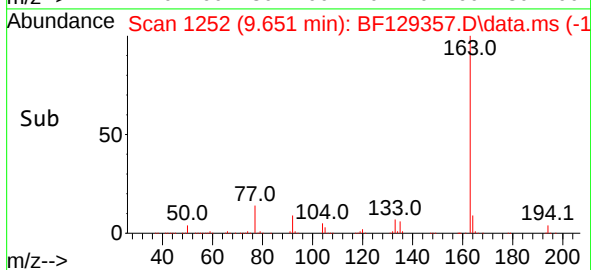
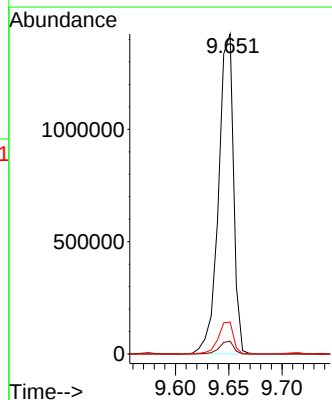
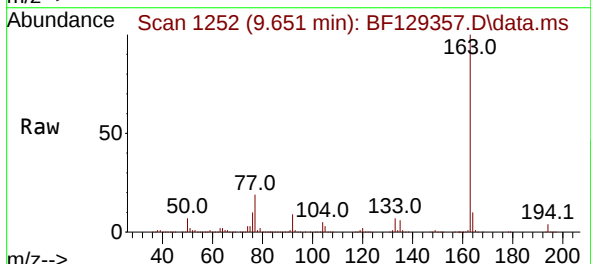
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

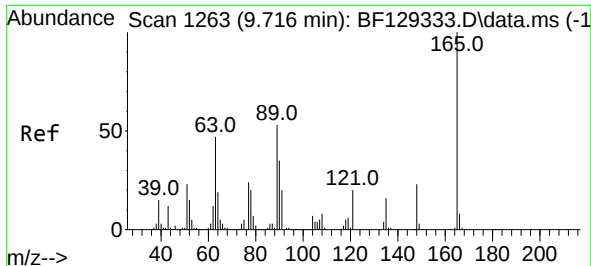
Tgt Ion:152 Resp: 1792360  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.2 24.4  
153 13.4 10.7 16.1



#50  
Dimethylphthalate  
Concen: 44.561 ng  
RT: 9.651 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:163 Resp: 1388778  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.2 4.8  
164 9.9 8.2 12.2

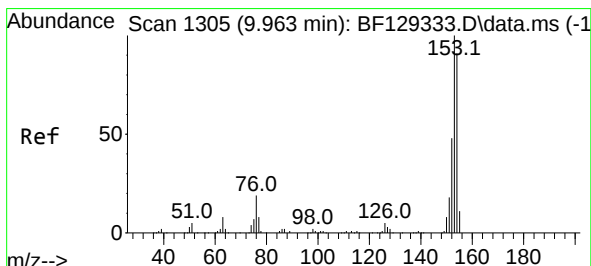
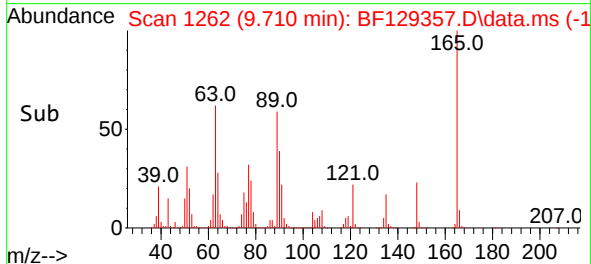
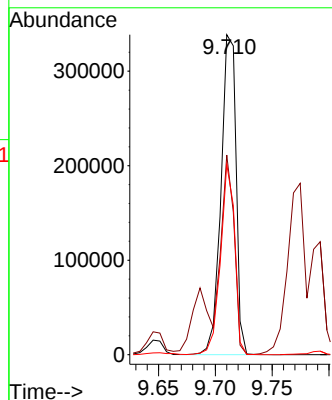
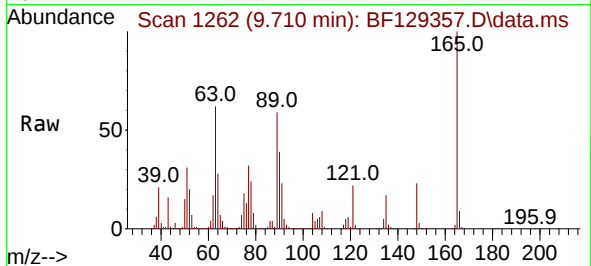




#51  
2,6-Dinitrotoluene  
Concen: 45.007 ng  
RT: 9.710 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

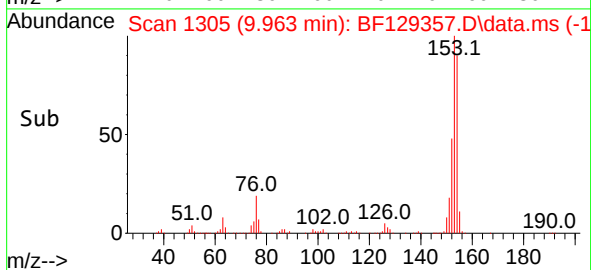
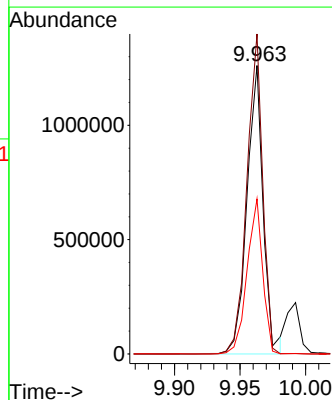
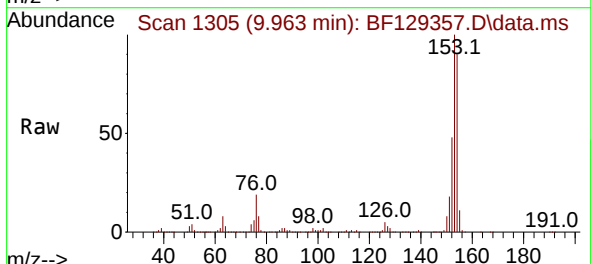
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

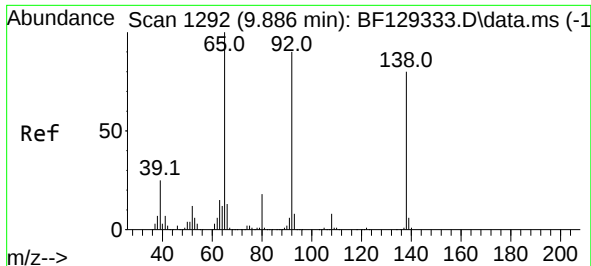
Tgt Ion:165 Resp: 313942  
Ion Ratio Lower Upper  
165 100  
63 62.4 44.9 67.3  
89 59.5 43.6 65.4



#52  
Acenaphthene  
Concen: 41.040 ng  
RT: 9.963 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:154 Resp: 1084834  
Ion Ratio Lower Upper  
154 100  
153 110.9 89.6 134.4  
152 53.7 42.4 63.6

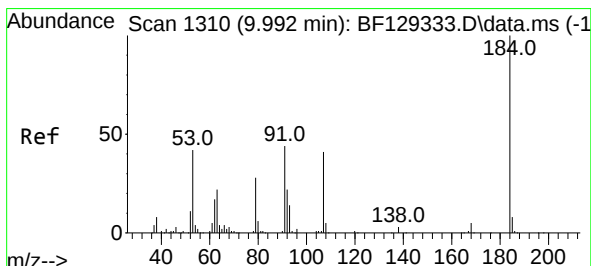
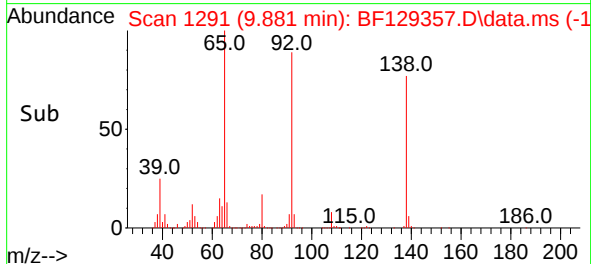
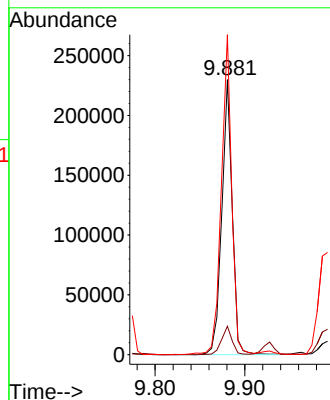
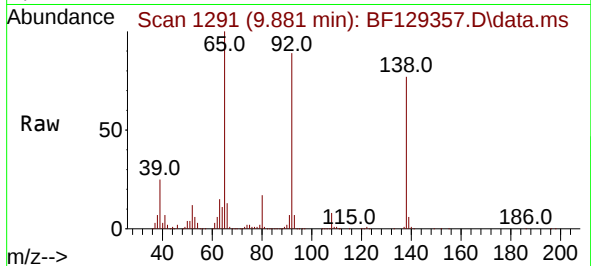




#53  
3-Nitroaniline  
Concen: 22.583 ng  
RT: 9.881 min Scan# 1292  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

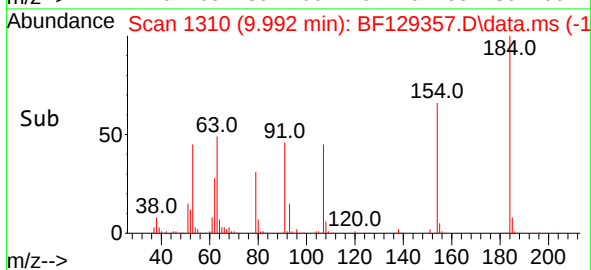
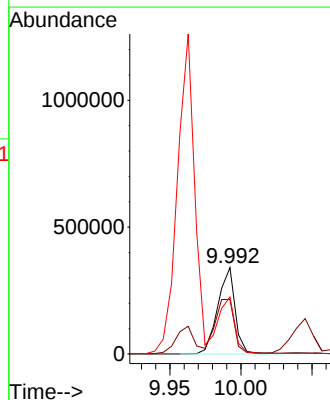
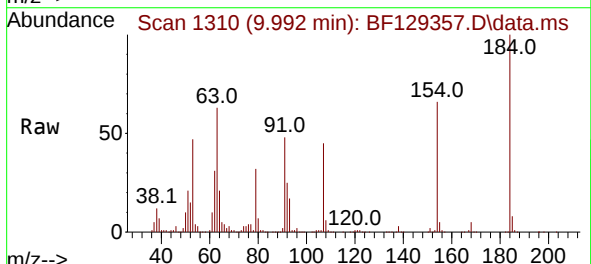
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

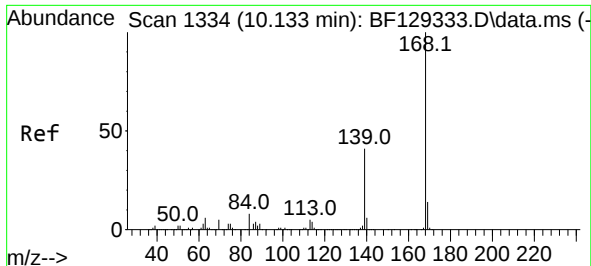
Tgt Ion:138 Resp: 186015  
Ion Ratio Lower Upper  
138 100  
108 10.4 10.9 16.3#  
92 116.4 98.2 147.2



#54  
2,4-Dinitrophenol  
Concen: 81.860 ng  
RT: 9.992 min Scan# 1310  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:184 Resp: 291499  
Ion Ratio Lower Upper  
184 100  
63 63.1 64.5 96.7#  
154 65.9 50.6 75.8

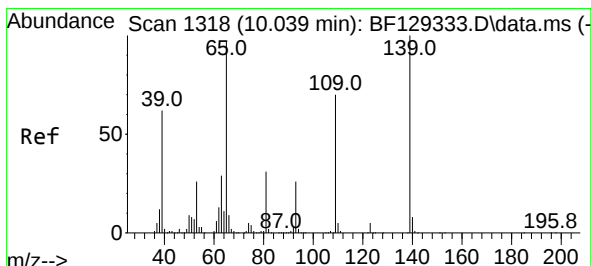
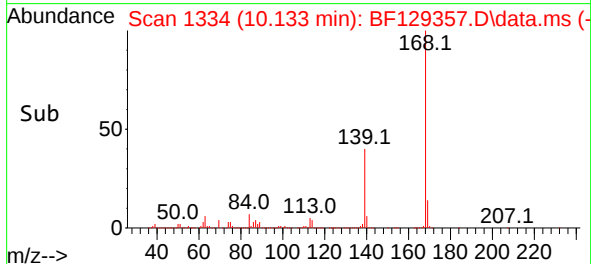
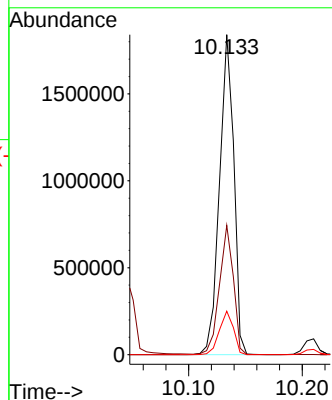
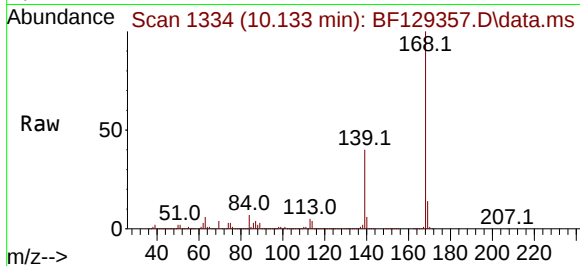




#55  
Dibenzofuran  
Concen: 44.274 ng  
RT: 10.133 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

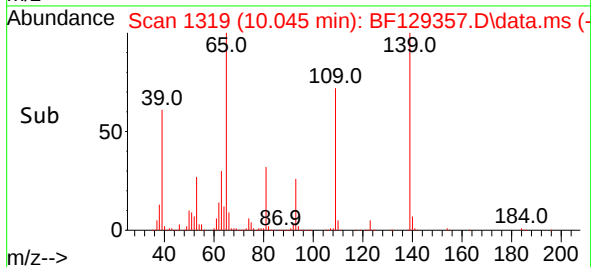
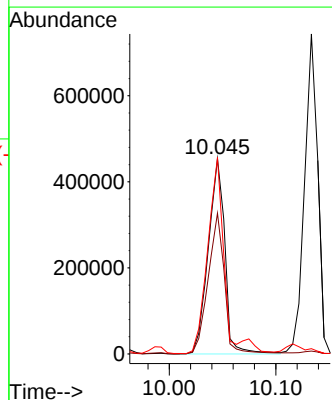
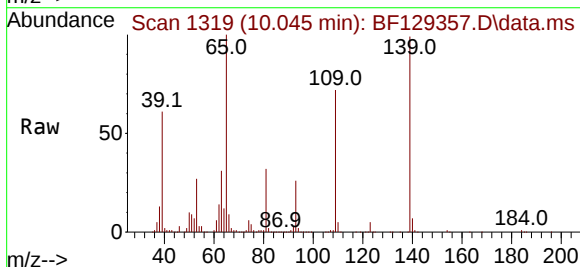
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

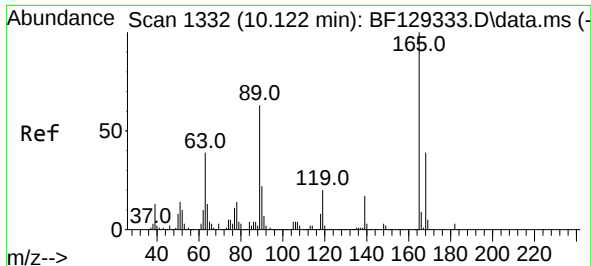
Tgt Ion:168 Resp: 1613317  
Ion Ratio Lower Upper  
168 100  
139 40.4 30.6 46.0  
169 13.6 11.0 16.6



#56  
4-Nitrophenol  
Concen: 81.157 ng  
RT: 10.045 min Scan# 1319  
Delta R.T. 0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:139 Resp: 493172  
Ion Ratio Lower Upper  
139 100  
109 72.0 50.7 90.7  
65 100.6 74.5 114.5

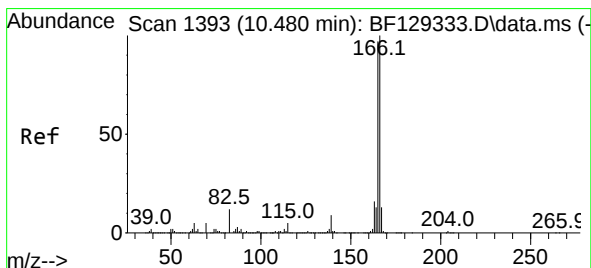
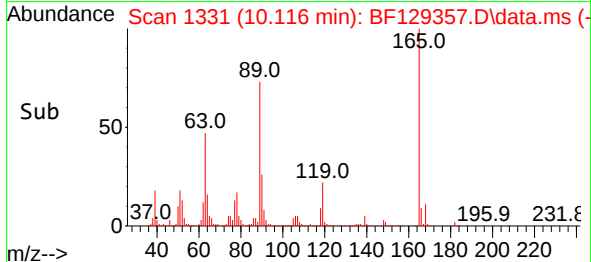
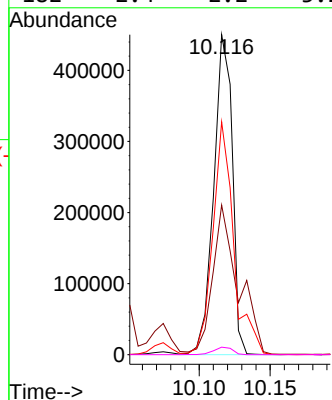
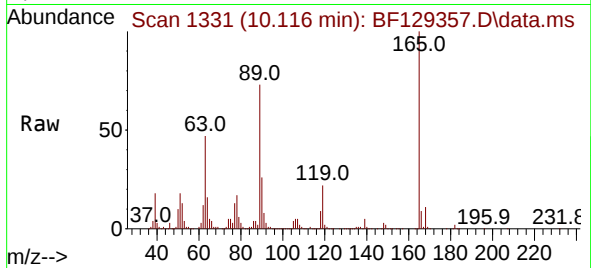




#57  
2,4-Dinitrotoluene  
Concen: 44.817 ng  
RT: 10.116 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

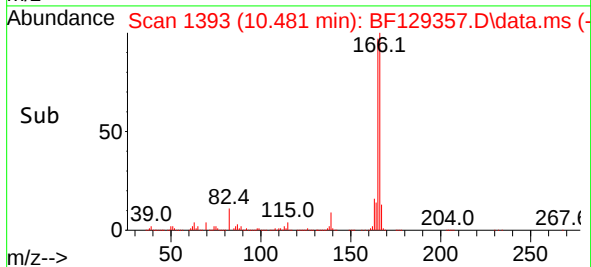
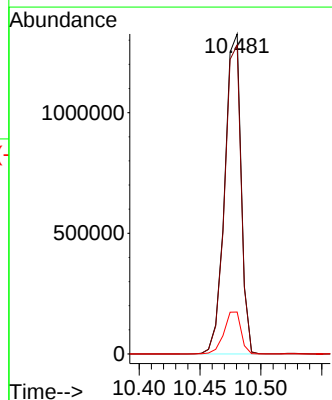
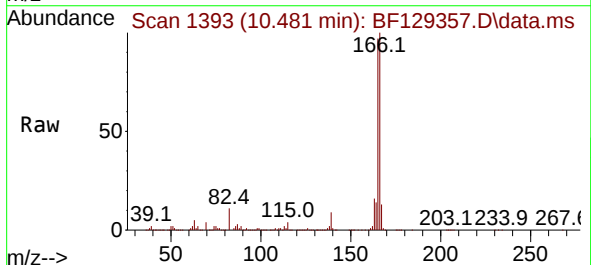
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

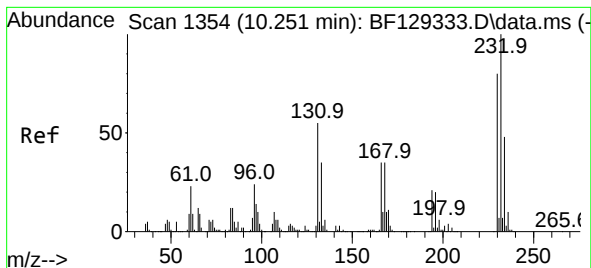
Tgt Ion:165 Resp: 408394  
Ion Ratio Lower Upper  
165 100  
63 46.7 39.8 59.6  
89 72.8 60.2 90.2  
182 2.4 2.2 3.2



#58  
Fluorene  
Concen: 42.639 ng  
RT: 10.481 min Scan# 1393  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:166 Resp: 1243162  
Ion Ratio Lower Upper  
166 100  
165 96.5 78.1 117.1  
167 13.1 10.5 15.7

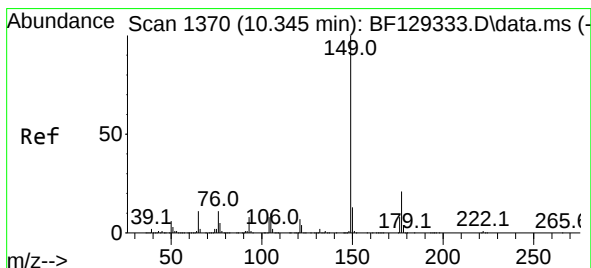
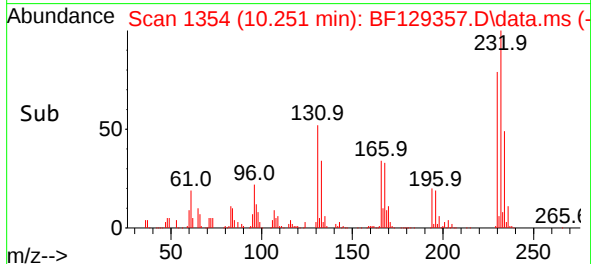
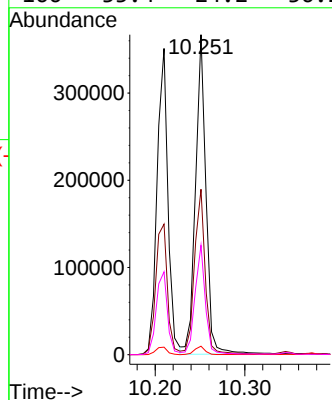
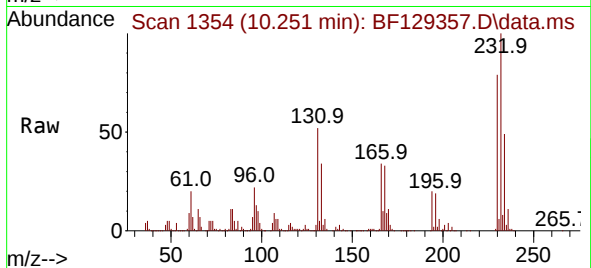




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.234 ng  
RT: 10.251 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

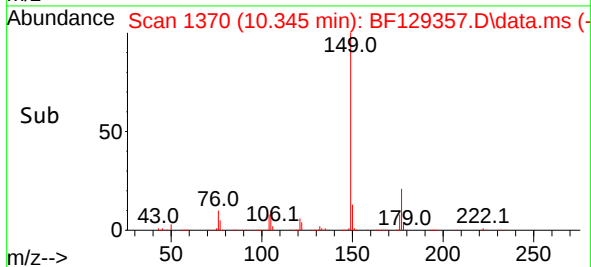
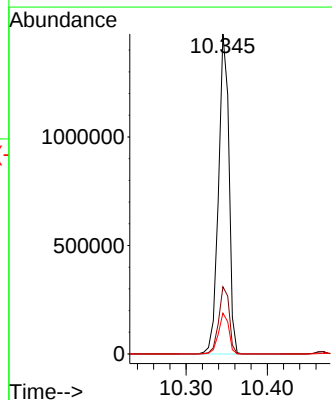
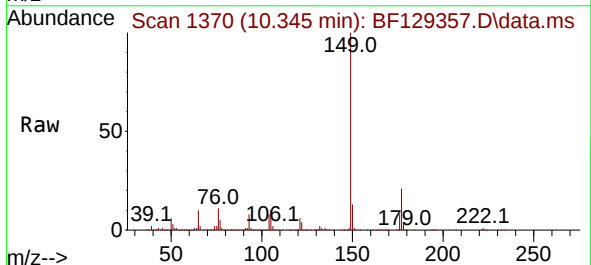
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

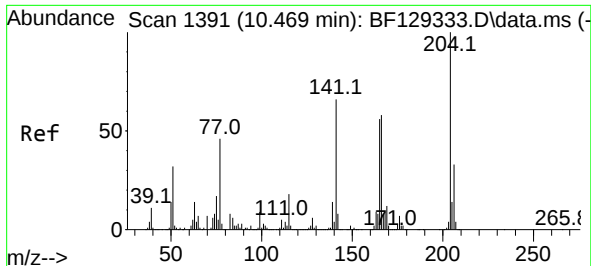
Tgt Ion:232 Resp: 298360  
Ion Ratio Lower Upper  
232 100  
131 52.6 36.1 54.1  
130 2.7 1.8 2.8  
166 33.4 24.2 36.2



#60  
Diethylphthalate  
Concen: 43.765 ng  
RT: 10.345 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:149 Resp: 1318531  
Ion Ratio Lower Upper  
149 100  
177 21.0 17.3 25.9  
150 12.7 10.2 15.2

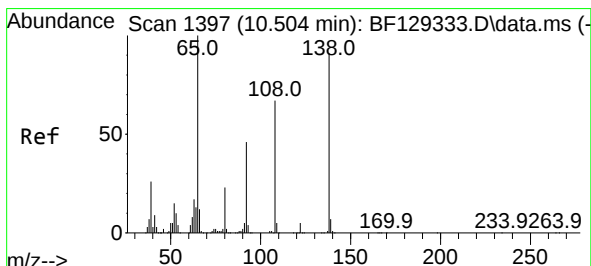
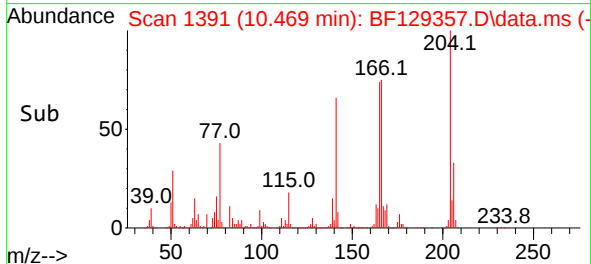
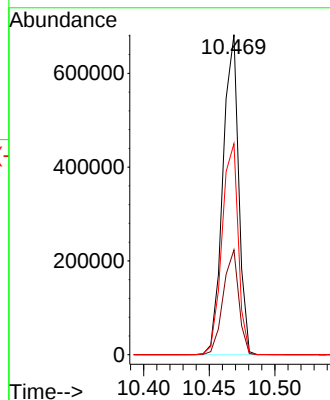
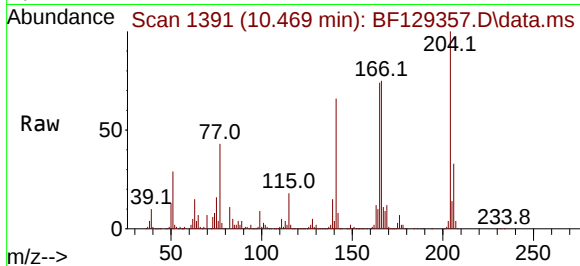




#61  
4-Chlorophenyl-phenylether  
Concen: 44.293 ng  
RT: 10.469 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

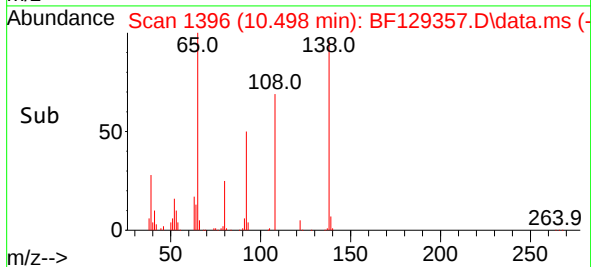
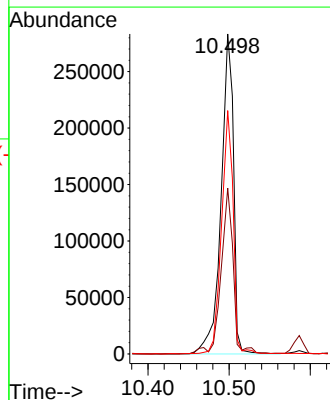
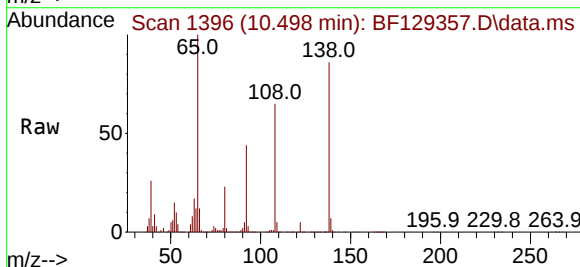
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

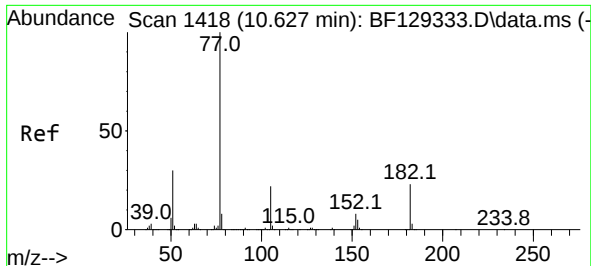
Tgt Ion:204 Resp: 569328  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.8 38.6  
141 66.0 47.0 70.4



#62  
4-Nitroaniline  
Concen: 36.989 ng  
RT: 10.498 min Scan# 1396  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:138 Resp: 302244  
Ion Ratio Lower Upper  
138 100  
92 51.9 33.5 73.5  
108 76.1 61.0 101.0



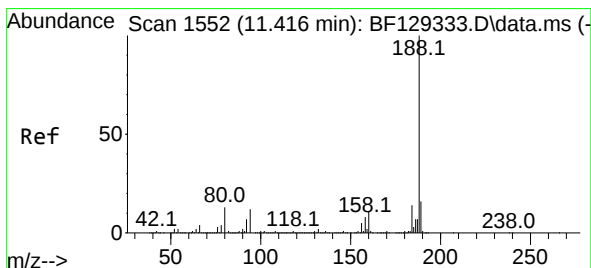
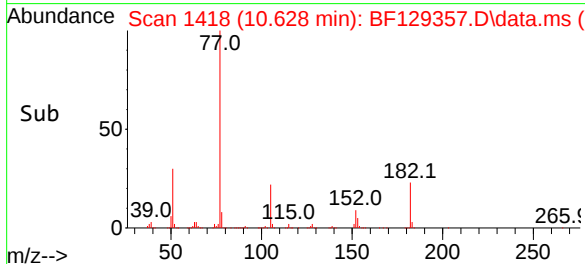
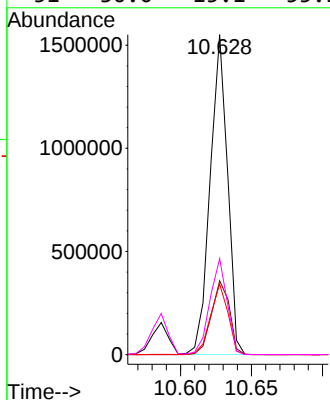
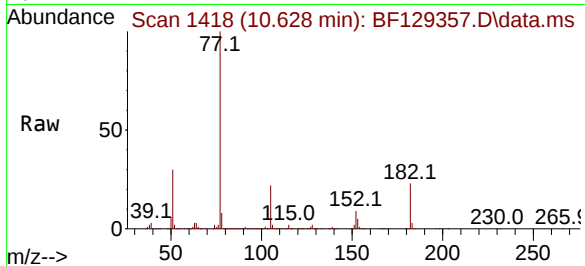


#63  
Azobenzene  
Concen: 42.824 ng  
RT: 10.628 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

Tgt Ion: 77 Resp: 1315918

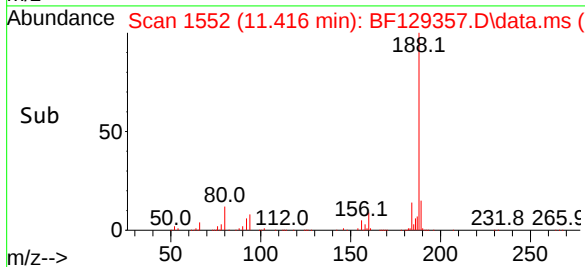
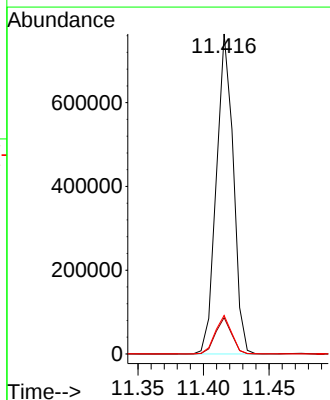
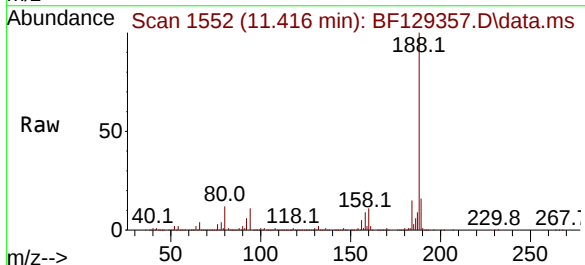
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 23.1  | 5.6   | 45.6  |
| 105 | 22.1  | 1.6   | 41.6  |
| 51  | 30.0  | 15.1  | 55.1  |

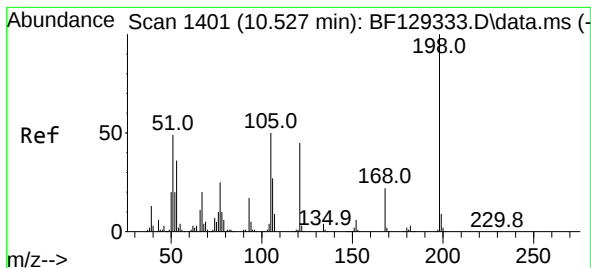


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.416 min Scan# 1552  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion: 188 Resp: 685539

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 11.3  | 7.0   | 10.6# |
| 80  | 12.0  | 7.6   | 11.4# |

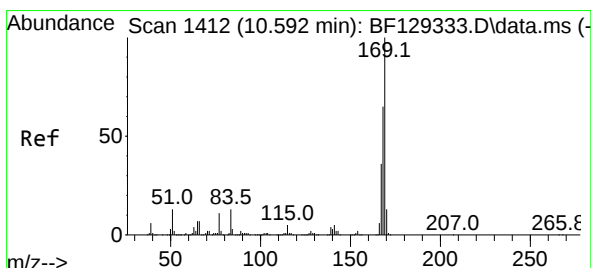
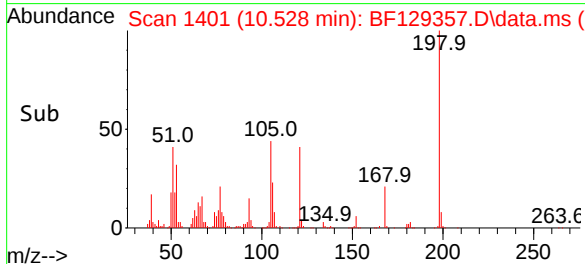
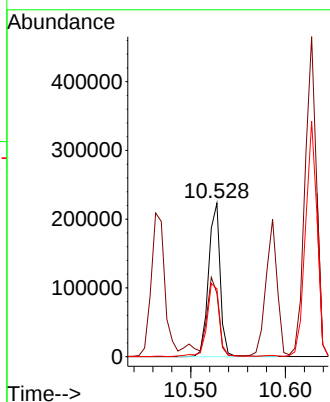
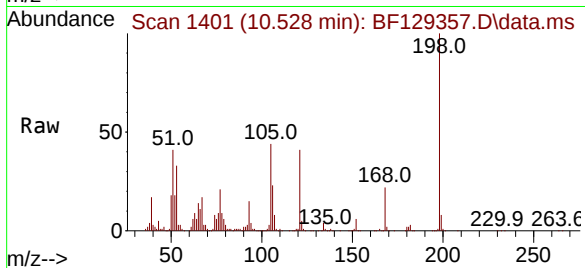




#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.057 ng  
RT: 10.528 min Scan# 1401  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

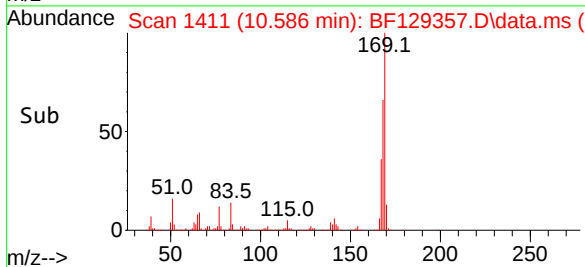
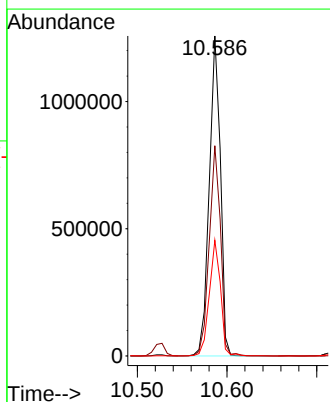
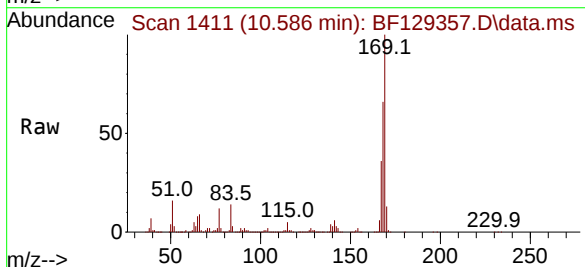
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

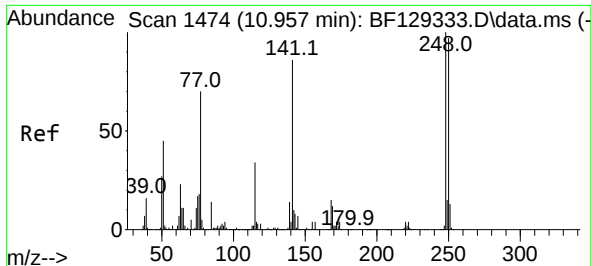
Tgt Ion:198 Resp: 190633  
Ion Ratio Lower Upper  
198 100  
51 41.4 37.6 77.6  
105 44.2 27.0 67.0



#66  
n-Nitrosodiphenylamine  
Concen: 47.338 ng  
RT: 10.586 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:169 Resp: 1080740  
Ion Ratio Lower Upper  
169 100  
168 65.7 50.1 75.1  
167 36.2 27.9 41.9

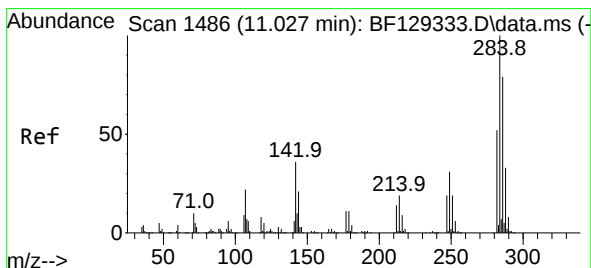
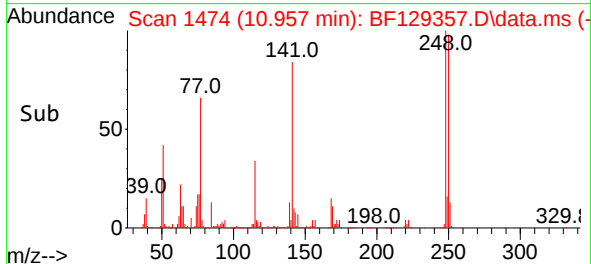
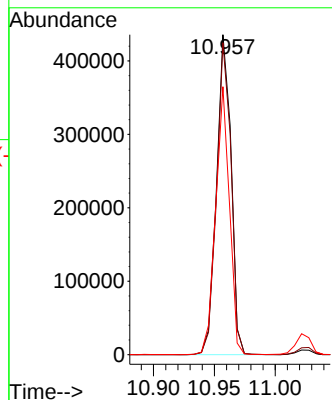
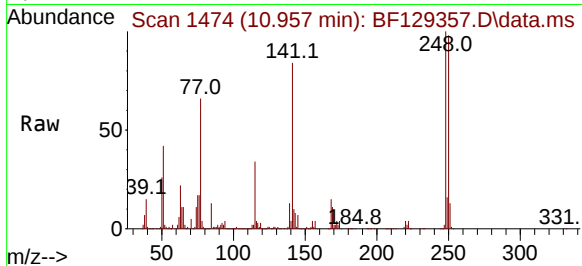




#67  
4-Bromophenyl-phenylether  
Concen: 48.265 ng  
RT: 10.957 min Scan# 1474  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

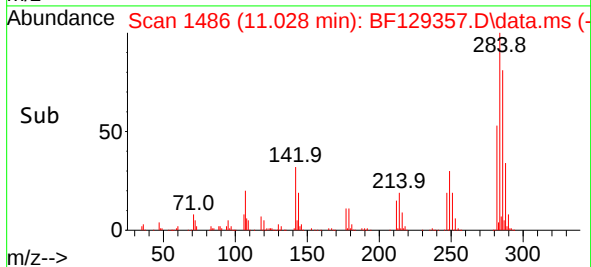
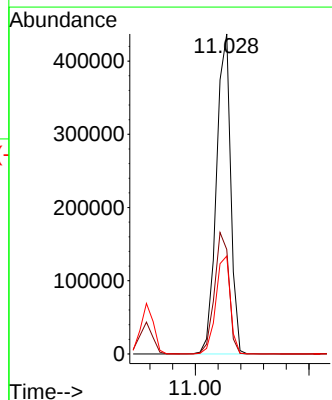
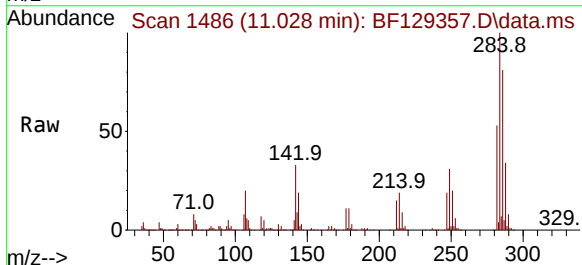
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

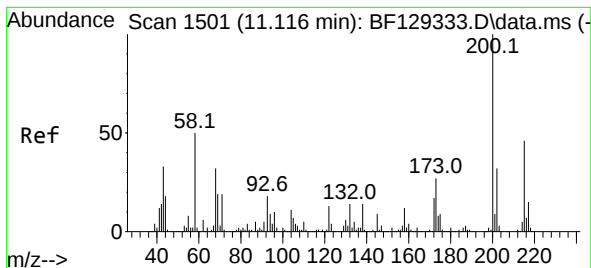
Tgt Ion:248 Resp: 362320  
Ion Ratio Lower Upper  
248 100  
250 97.5 80.6 120.8  
141 83.7 58.9 88.3



#68  
Hexachlorobenzene  
Concen: 46.893 ng  
RT: 11.028 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:284 Resp: 381421  
Ion Ratio Lower Upper  
284 100  
142 32.6 29.0 43.4  
249 30.6 25.0 37.6





#69

Atrazine

Concen: 48.396 ng

RT: 11.116 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

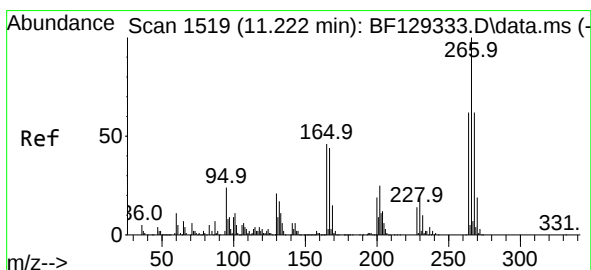
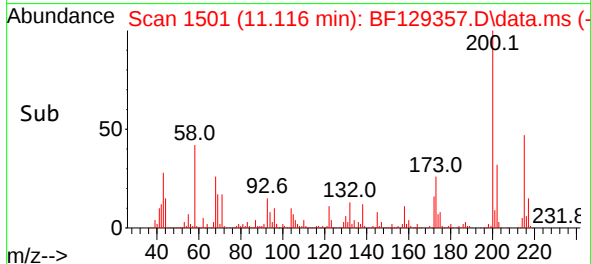
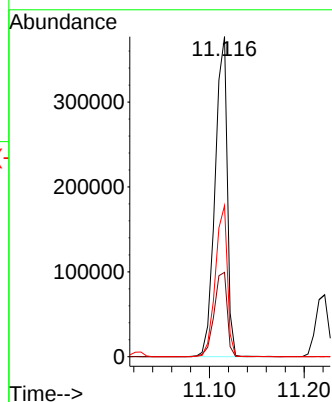
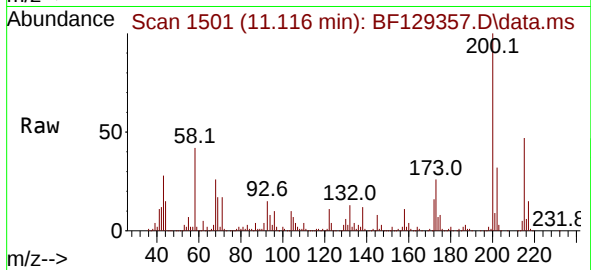
Tgt Ion:200 Resp: 335600

Ion Ratio Lower Upper

200 100

173 26.4 6.3 46.3

215 47.2 28.3 68.3



#70

Pentachlorophenol

Concen: 83.356 ng

RT: 11.222 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

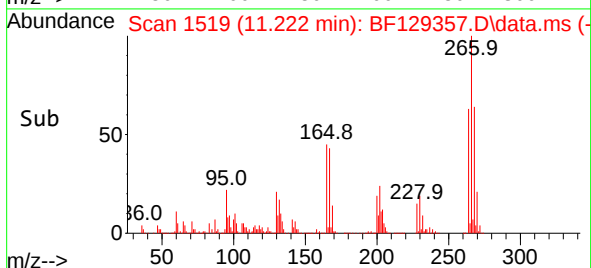
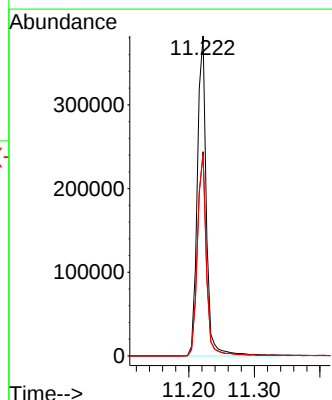
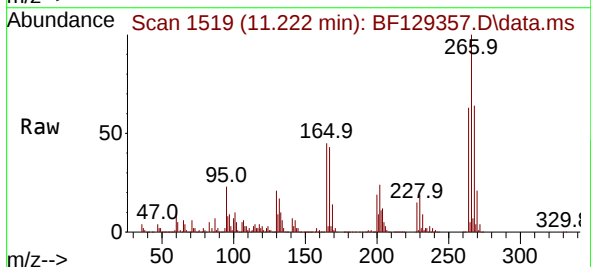
Tgt Ion:266 Resp: 368589

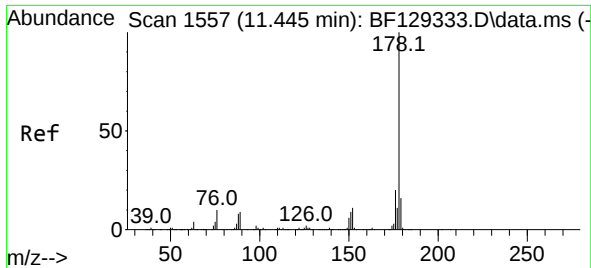
Ion Ratio Lower Upper

266 100

268 63.8 51.0 76.4

264 62.8 49.4 74.2

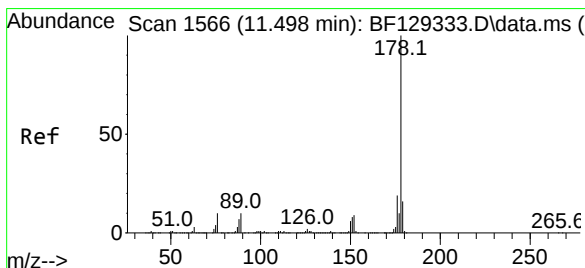
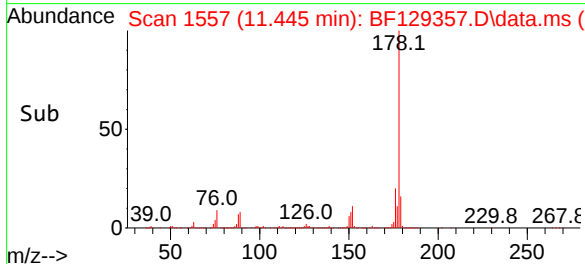
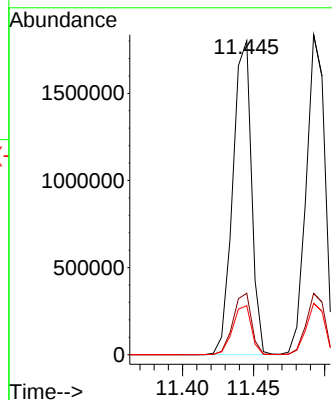
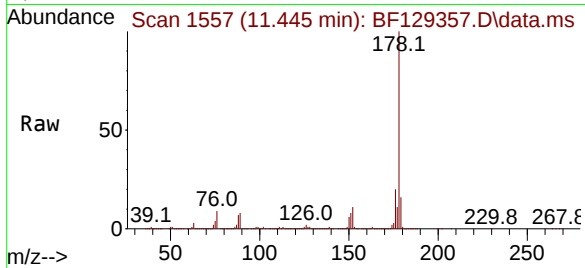




#71  
Phenanthrene  
Concen: 44.145 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

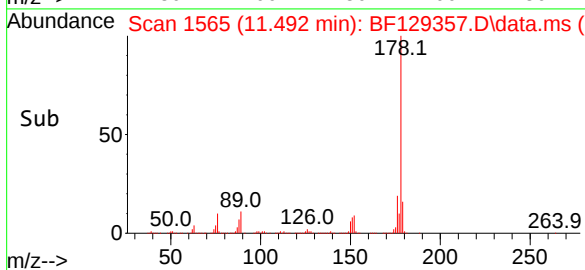
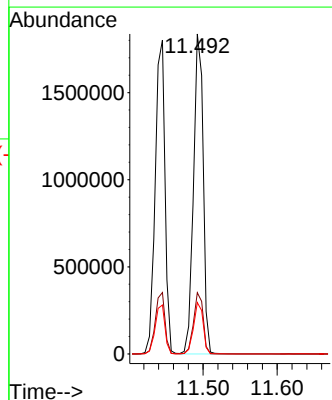
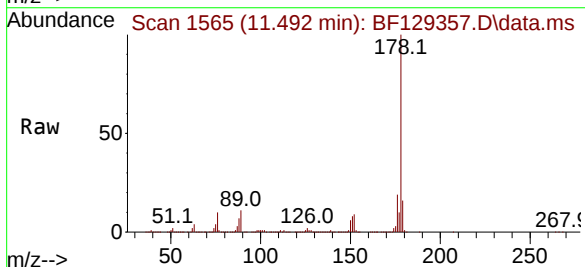
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

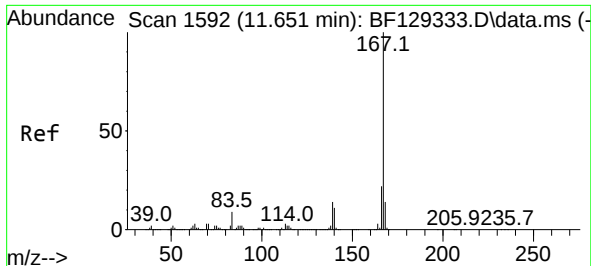
Tgt Ion:178 Resp: 1651994  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.0 24.0  
179 15.6 12.6 19.0



#72  
Anthracene  
Concen: 45.429 ng  
RT: 11.492 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:178 Resp: 1670637  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.2  
179 16.1 12.6 19.0

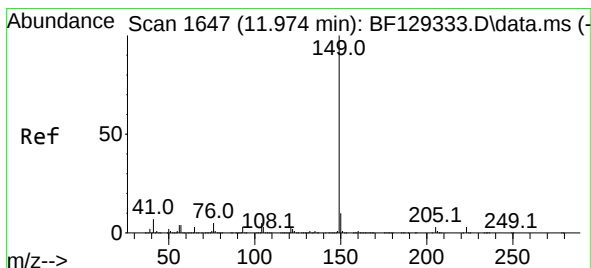
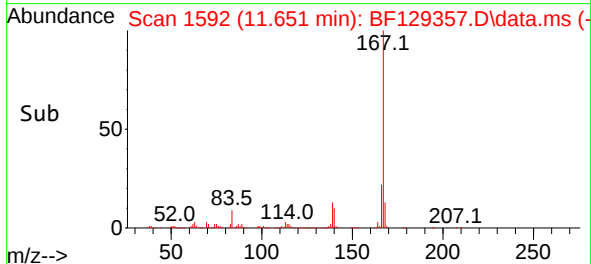
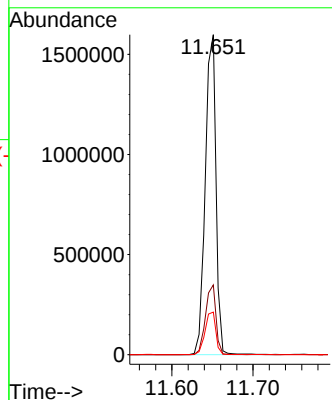
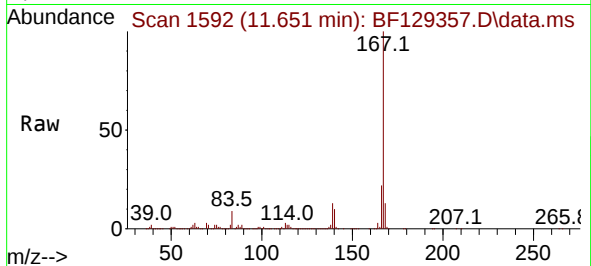




#73  
 Carbazole  
 Concen: 42.206 ng  
 RT: 11.651 min Scan# 1592  
 Delta R.T. 0.000 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

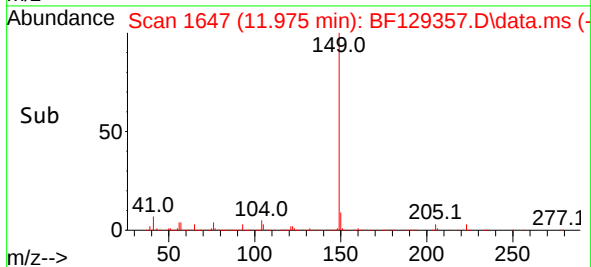
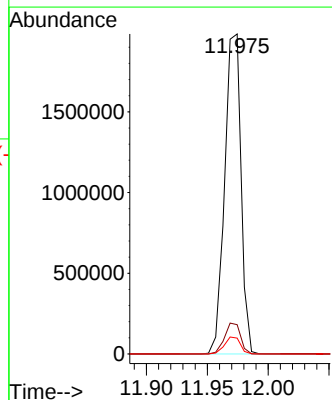
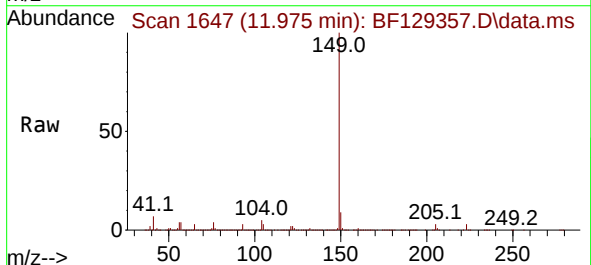
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-DE-1-(10-15)MSD

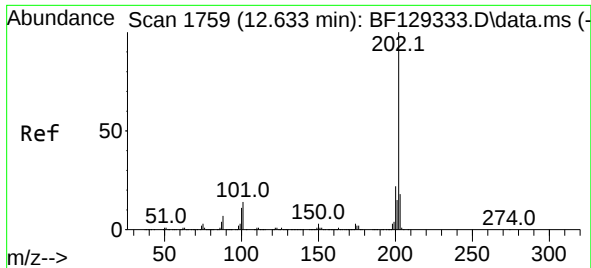
Tgt Ion:167 Resp: 1461084  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 17.7 26.5  
 139 13.3 11.2 16.8



#74  
 Di-n-butylphthalate  
 Concen: 45.106 ng  
 RT: 11.975 min Scan# 1647  
 Delta R.T. 0.000 min  
 Lab File: BF129357.D  
 Acq: 26 Jul 2022 16:05

Tgt Ion:149 Resp: 1859539  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.5 11.3  
 104 5.0 4.4 6.6

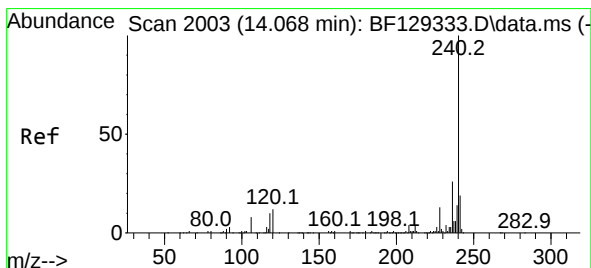
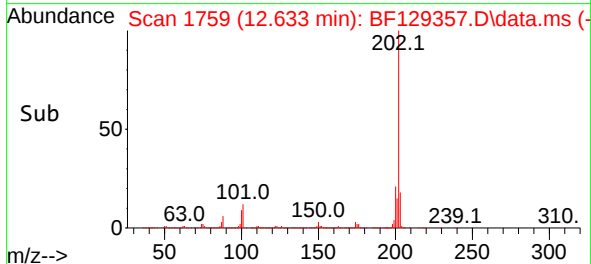
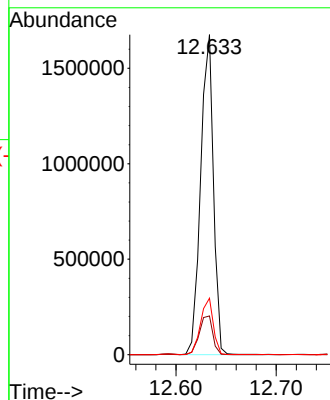
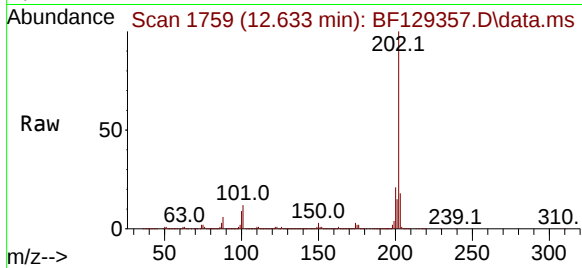




#75  
Fluoranthene  
Concen: 39.275 ng  
RT: 12.633 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

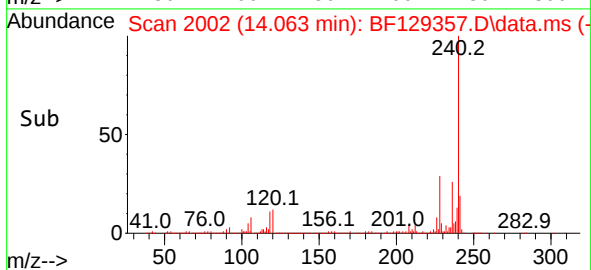
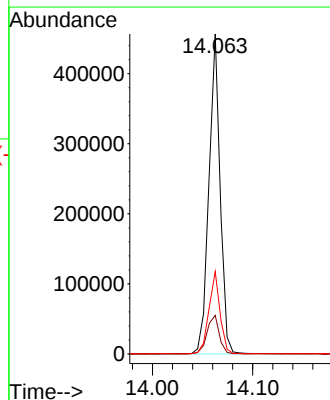
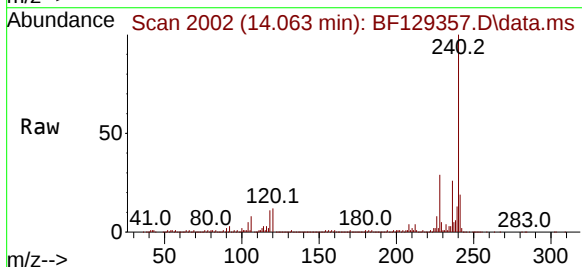
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

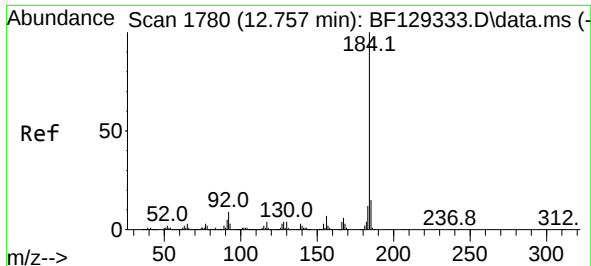
Tgt Ion:202 Resp: 1489183  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 31.4  
203 17.7 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:240 Resp: 357078  
Ion Ratio Lower Upper  
240 100  
120 12.1 8.9 13.3  
236 25.8 20.8 31.2

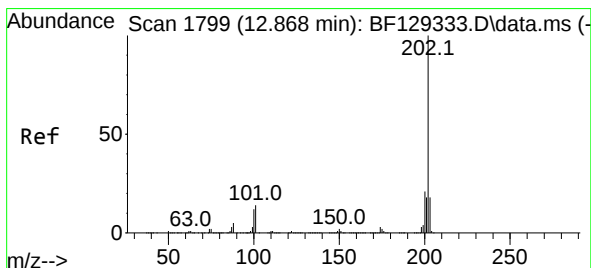
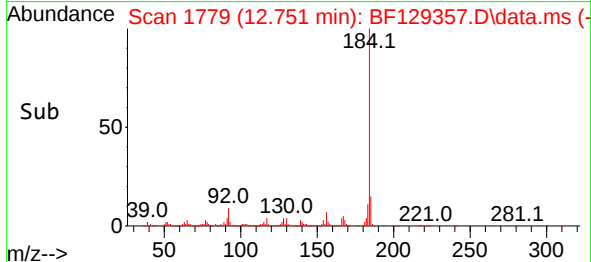
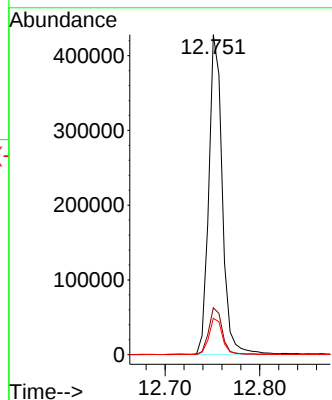
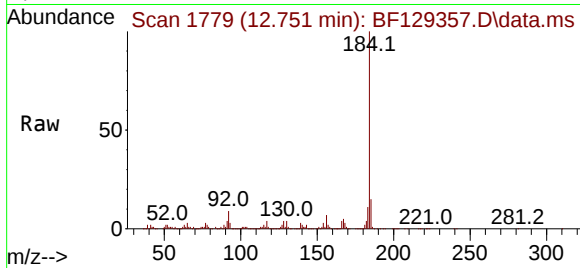




#77  
Benzidine  
Concen: 33.429 ng  
RT: 12.751 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

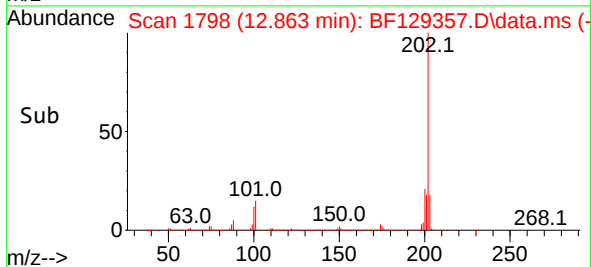
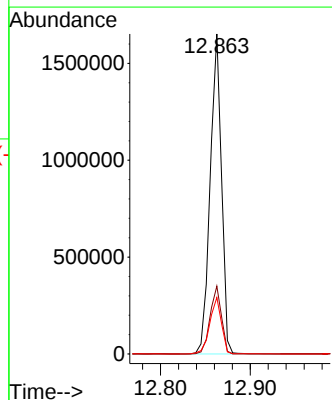
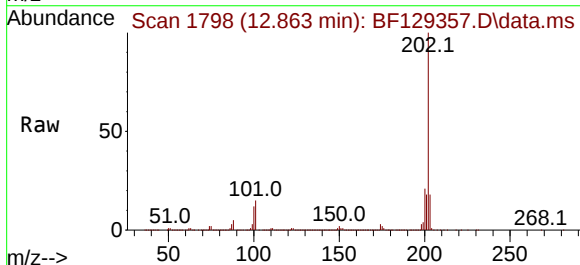
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

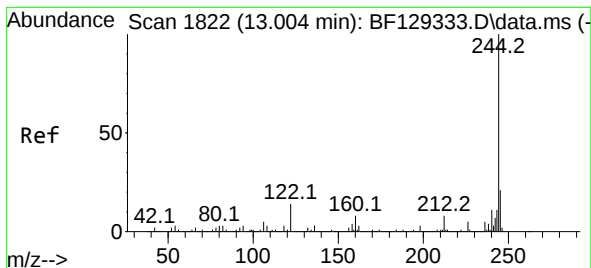
Tgt Ion:184 Resp: 421690  
Ion Ratio Lower Upper  
184 100  
185 14.7 11.9 17.9  
183 11.3 9.3 13.9



#78  
Pyrene  
Concen: 48.363 ng  
RT: 12.863 min Scan# 1798  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:202 Resp: 1444104  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.7 26.5  
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 69.485 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

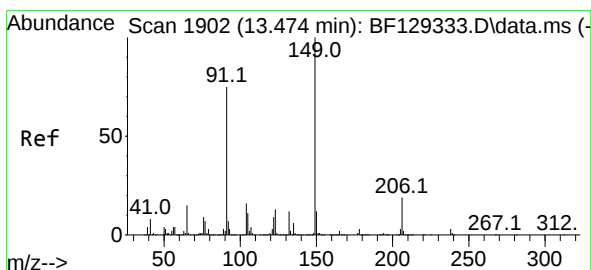
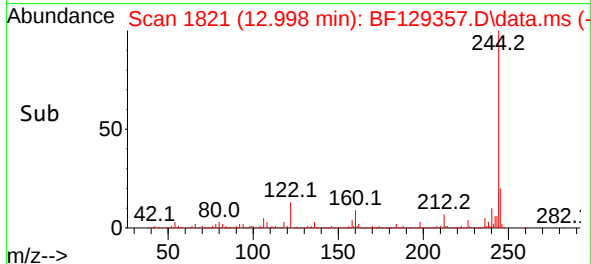
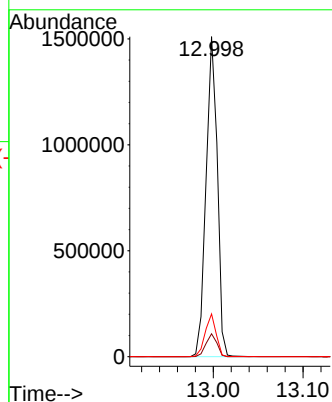
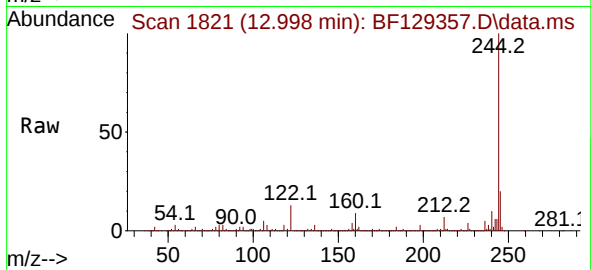
Tgt Ion:244 Resp: 1315165

Ion Ratio Lower Upper

244 100

212 7.2 6.1 9.1

122 13.4 8.8 13.2#



#80

Butylbenzylphthalate

Concen: 46.862 ng

RT: 13.474 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

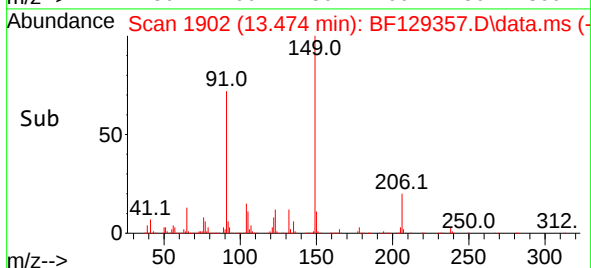
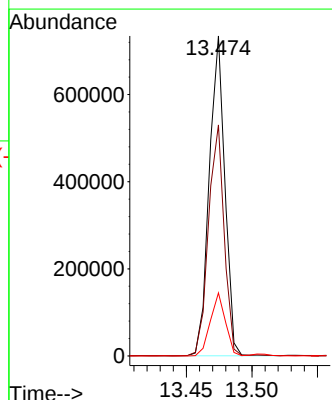
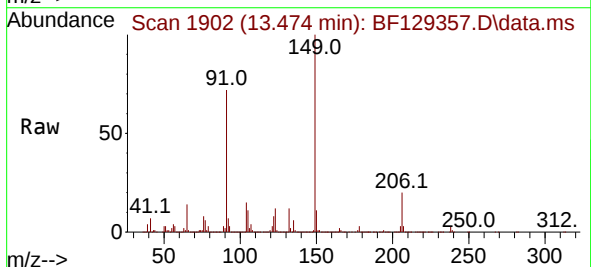
Tgt Ion:149 Resp: 606940

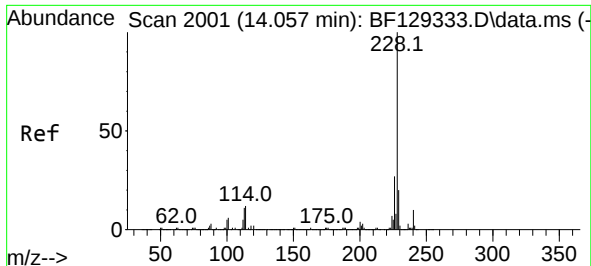
Ion Ratio Lower Upper

149 100

91 72.2 61.2 91.8

206 19.7 15.7 23.5

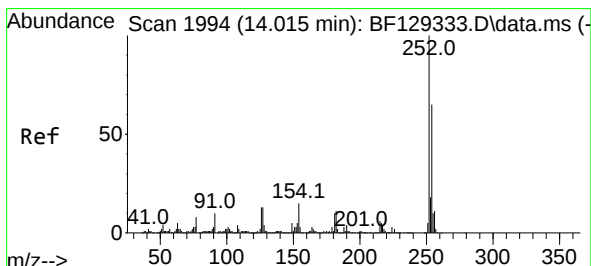
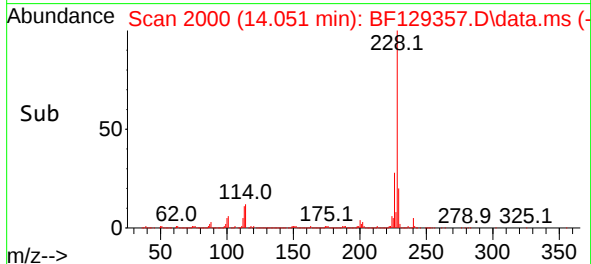
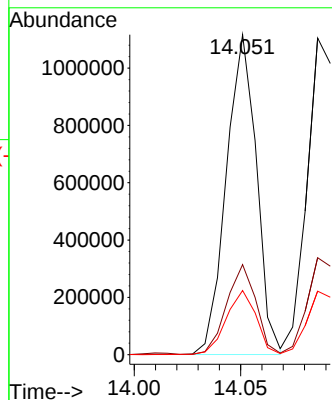
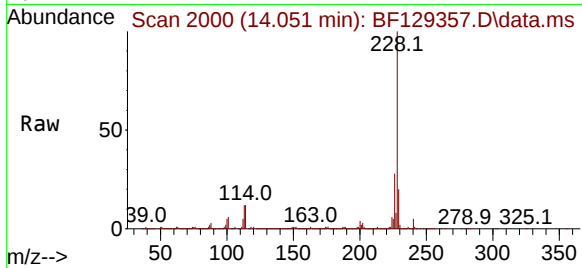




#81  
Benzo(a)anthracene  
Concen: 45.058 ng  
RT: 14.051 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

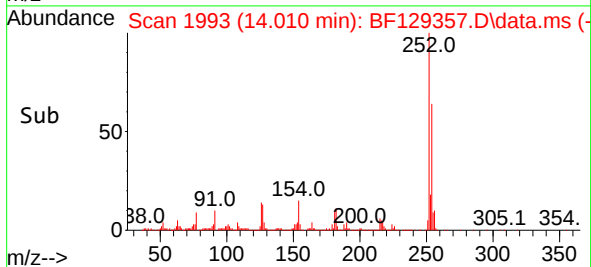
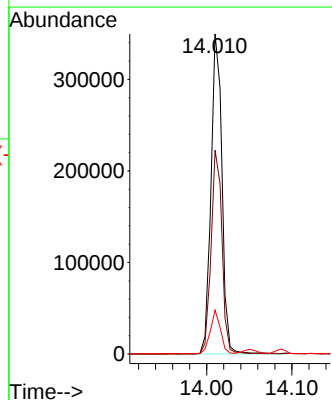
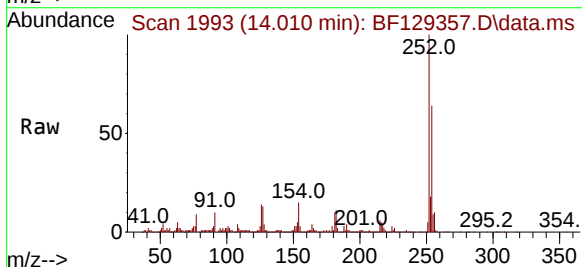
Instrument :  
BNA\_F  
ClientSampleId :  
ENV-DE-1-(10-15)MSD

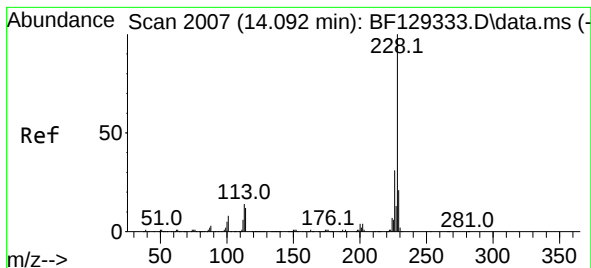
Tgt Ion:228 Resp: 1099053  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.1 33.1  
229 20.0 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 38.838 ng  
RT: 14.010 min Scan# 1993  
Delta R.T. -0.006 min  
Lab File: BF129357.D  
Acq: 26 Jul 2022 16:05

Tgt Ion:252 Resp: 312784  
Ion Ratio Lower Upper  
252 100  
254 63.7 50.2 75.4  
126 13.7 8.2 12.4#





#83

Chrysene

Concen: 45.140 ng

RT: 14.086 min Scan# 2007

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

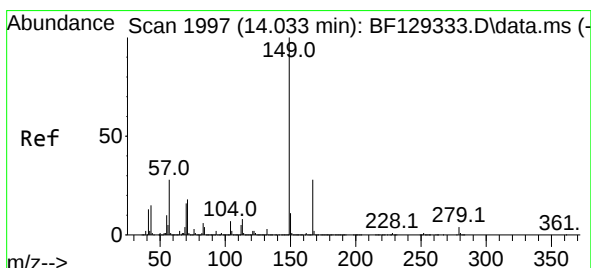
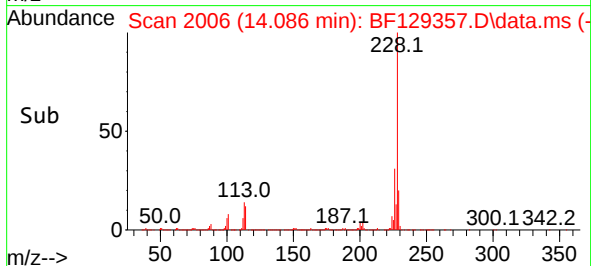
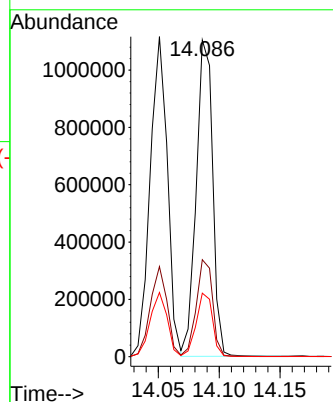
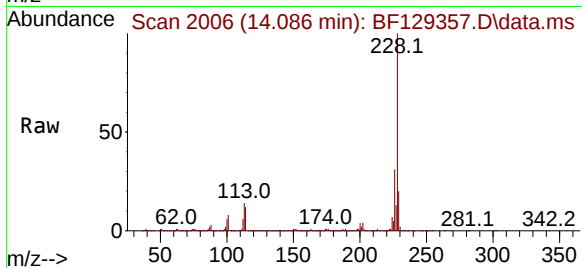
Tgt Ion:228 Resp: 1037692

Ion Ratio Lower Upper

228 100

226 30.6 24.3 36.5

229 20.1 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.056 ng

RT: 14.027 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

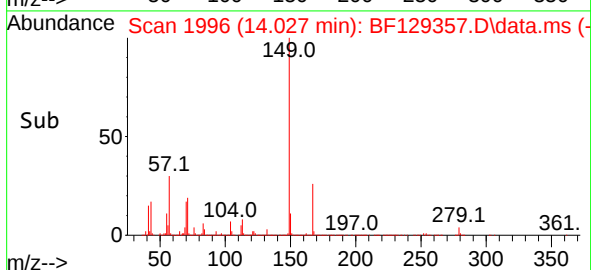
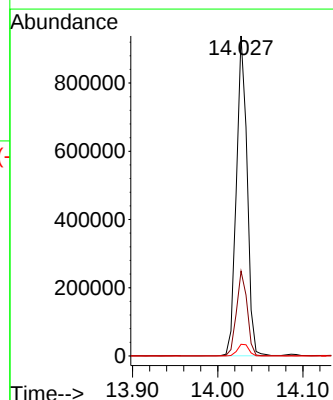
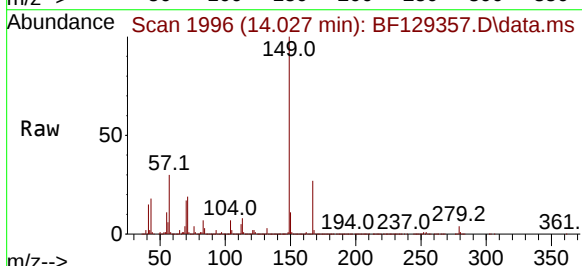
Tgt Ion:149 Resp: 819416

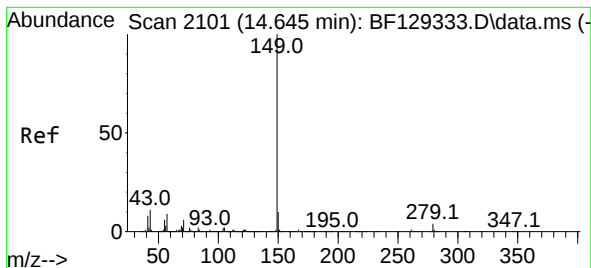
Ion Ratio Lower Upper

149 100

167 26.5 21.0 31.4

279 3.7 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 51.559 ng

RT: 14.645 min Scan# 2101

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

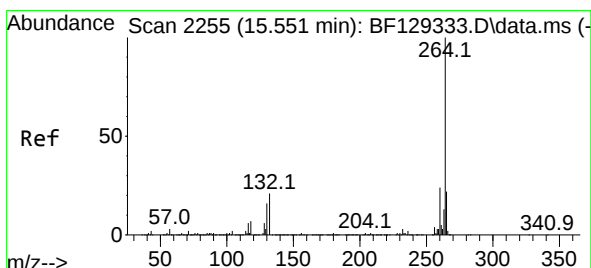
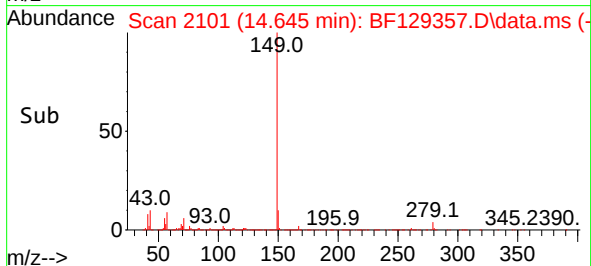
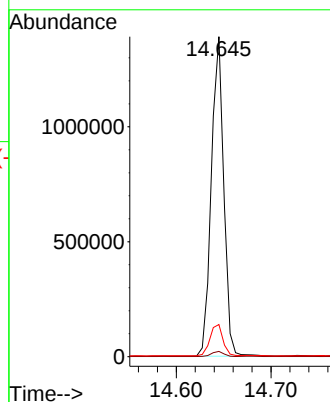
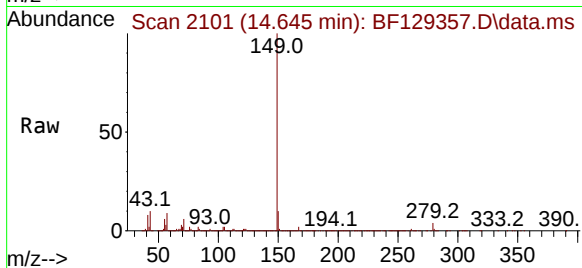
Tgt Ion:149 Resp: 1265101

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.5 9.2 13.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2255

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

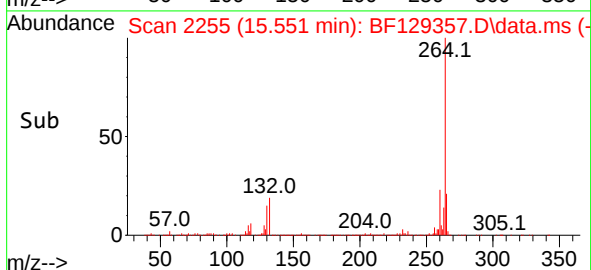
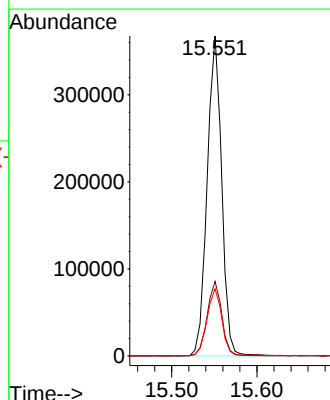
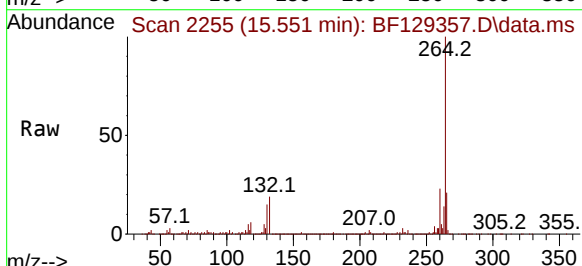
Tgt Ion:264 Resp: 435165

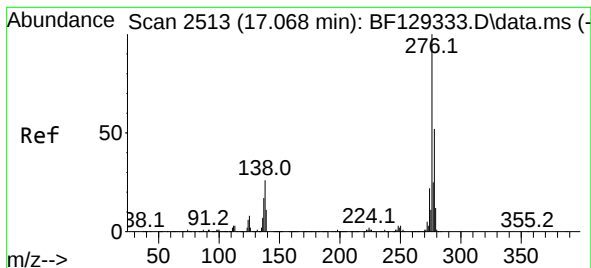
Ion Ratio Lower Upper

264 100

260 23.3 18.4 27.6

265 21.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 51.408 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

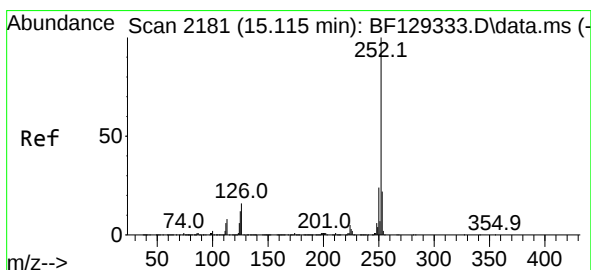
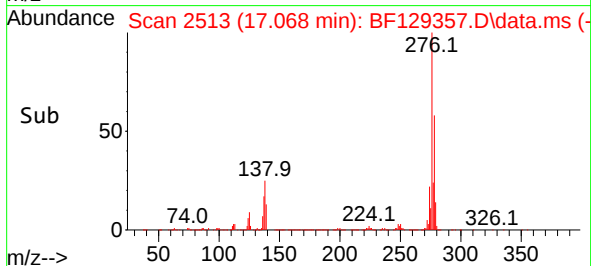
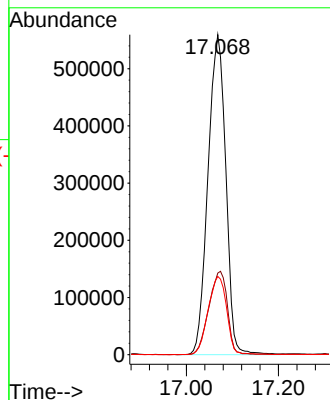
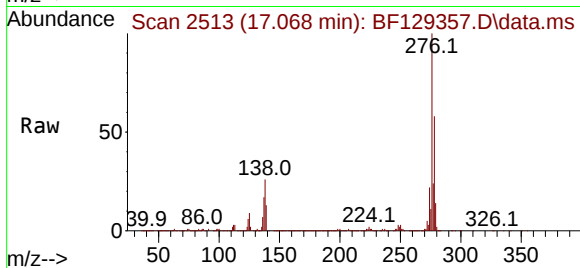
Tgt Ion:276 Resp: 1506497

Ion Ratio Lower Upper

276 100

138 27.0 21.1 31.7

277 25.4 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 43.040 ng

RT: 15.116 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

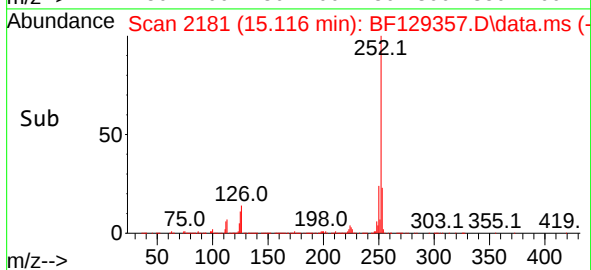
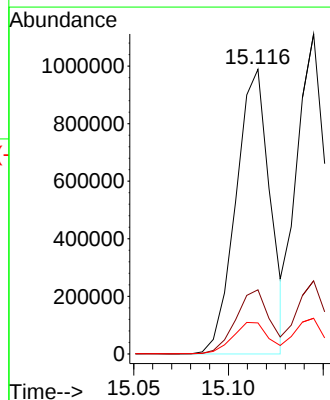
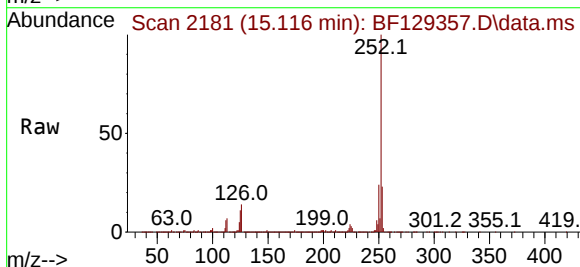
Tgt Ion:252 Resp: 1242379

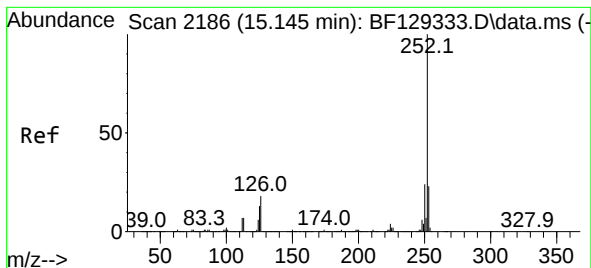
Ion Ratio Lower Upper

252 100

253 22.5 17.7 26.5

125 10.9 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 40.894 ng

RT: 15.145 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

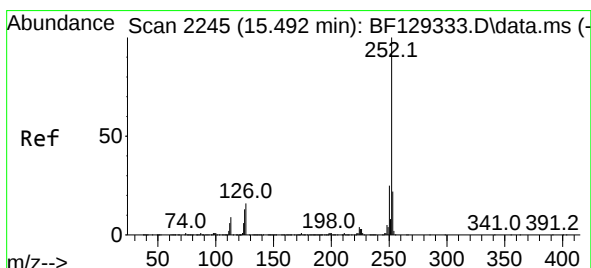
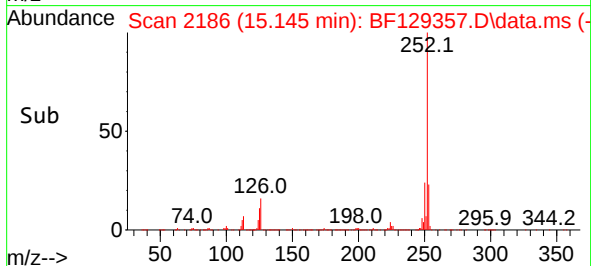
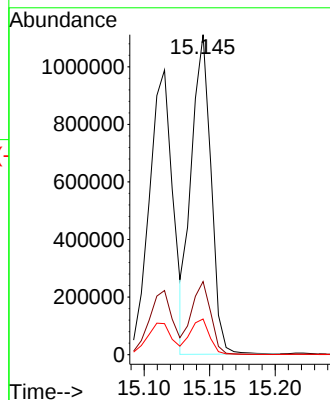
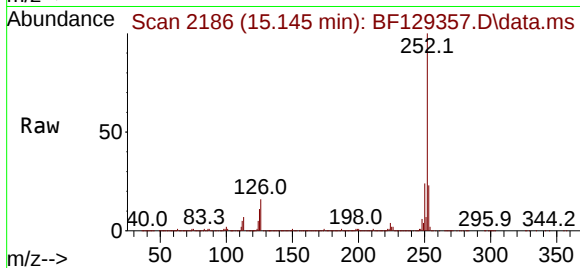
Tgt Ion:252 Resp: 1156799

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.6

125 11.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 47.886 ng

RT: 15.492 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

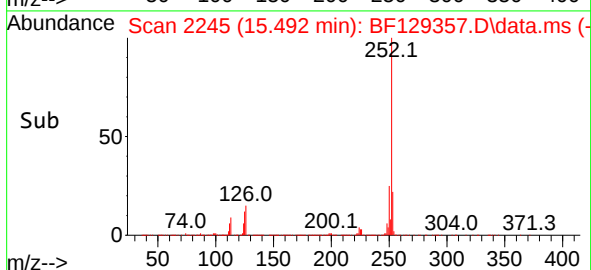
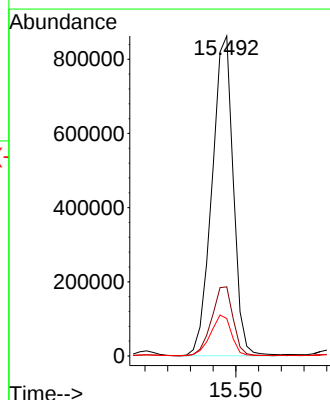
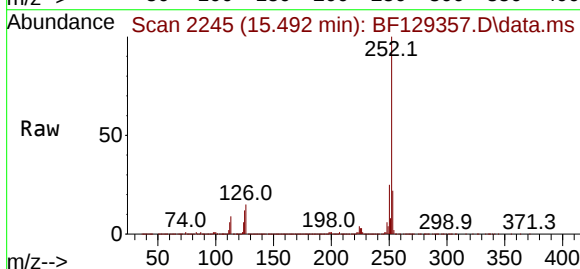
Tgt Ion:252 Resp: 1122085

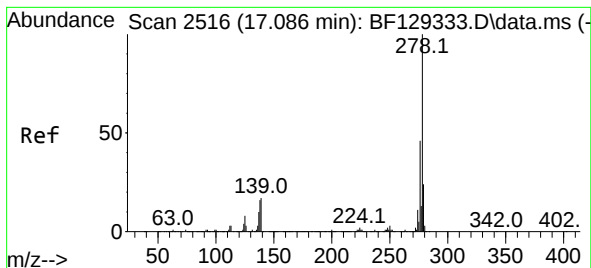
Ion Ratio Lower Upper

252 100

253 21.6 17.0 25.6

125 11.7 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 53.785 ng

RT: 17.086 min Scan# 2516

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Instrument :

BNA\_F

ClientSampleId :

ENV-DE-1-(10-15)MSD

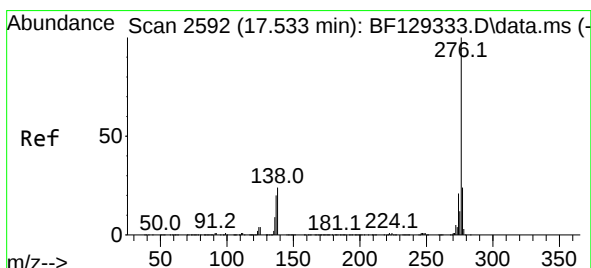
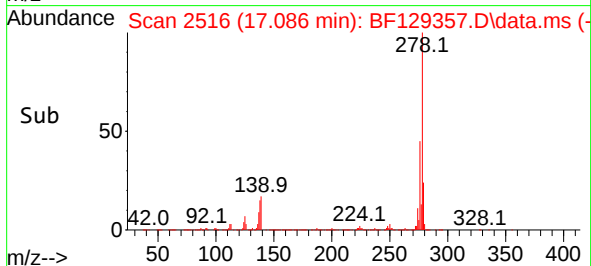
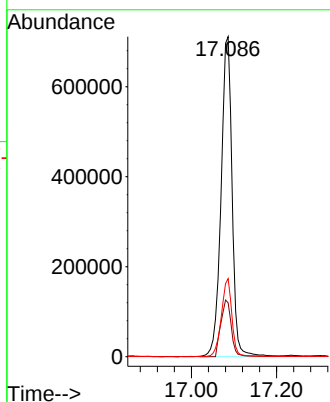
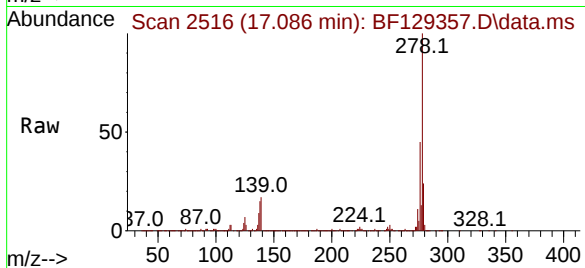
Tgt Ion:278 Resp: 1282834

Ion Ratio Lower Upper

278 100

139 16.8 12.8 19.2

279 24.4 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 54.556 ng

RT: 17.533 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF129357.D

Acq: 26 Jul 2022 16:05

Tgt Ion:276 Resp: 1329646

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 23.6 18.0 27.0

