

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072522\  
 Data File : BF129340.D  
 Acq On : 25 Jul 2022 19:31  
 Operator : CG\JU  
 Sample : PB146401BS  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146401BS

Quant Time: Jul 26 03:10:50 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     | 6.887  | 152  | 293194   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 1206117  | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.928  | 164  | 647902   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.416 | 188  | 1091293  | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.063 | 240  | 680130   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.551 | 264  | 565793   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 2052101  | 114.016 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.522  | 99   | 2679613  | 118.447 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 1756127  | 79.482  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.722 | 330  | 753404   | 120.949 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 2963719  | 70.763  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.004 | 244  | 3159667  | 87.645  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 228424   | 28.129  | ng    | 88       |
| 3) Pyridine                   | 3.540  | 79   | 648672   | 28.764  | ng    | 87       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 379125   | 38.285  | ng    | # 91     |
| 6) Aniline                    | 6.551  | 93   | 1108304  | 39.408  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 840366   | 42.737  | ng    | 98       |
| 9) Benzaldehyde               | 6.440  | 77   | 481221   | 31.323  | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 1055670  | 43.819  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 786755   | 41.179  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 808566   | 38.340  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 816981   | 38.091  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 798570   | 40.507  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.028  | 79   | 713138   | 43.464  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 1186765  | 41.323  | ng    | 93       |
| 17) 2-Methylphenol            | 7.140  | 107  | 677770   | 41.548  | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 315228   | 39.033  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 560428   | 40.920  | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 800856   | 38.612  | ng    | 90       |
| 22) Acetophenone              | 7.298  | 105  | 1079484  | 38.442  | ng    | # 98     |
| 24) Nitrobenzene              | 7.469  | 77   | 872856   | 38.364  | ng    | 98       |
| 25) Isophorone                | 7.710  | 82   | 1684320  | 42.528  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.787  | 139  | 461207   | 41.090  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.822  | 122  | 772940   | 45.908  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 1014826  | 44.171  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.028  | 162  | 701356   | 40.359  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 676766   | 37.625  | ng    | 98       |
| 31) Naphthalene               | 8.192  | 128  | 2303366  | 37.589  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 513131   | 42.158  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.239  | 127  | 880437   | 34.996  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 379921   | 37.158  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 113726   | 20.129  | ng    | # 78     |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 774627   | 42.028  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 1542393  | 38.732  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 1483550  | 38.592  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 649399   | 38.172  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 750973   | 99.132  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 496858   | 40.211  | ng    | 96       |

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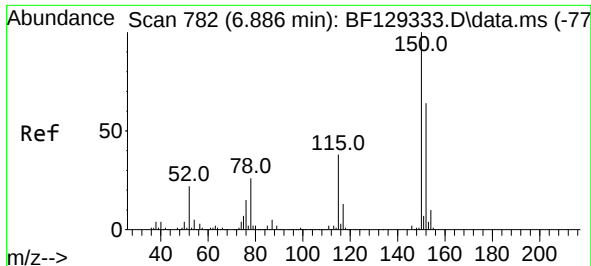
Instrument :  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 525907   | 39.138 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1842601  | 38.969 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 1466986  | 38.378 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.475  | 65   | 514794   | 40.502 | ng    | 89       |
| 49) Acenaphthylene            | 9.792  | 152  | 2238799  | 38.546 | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1753243  | 39.199 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.716  | 165  | 408359   | 40.792 | ng    | 98       |
| 52) Acenaphthene              | 9.963  | 154  | 1361222  | 35.882 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.886  | 138  | 376096   | 31.816 | ng    | # 91     |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 448585   | 87.778 | ng    | 96       |
| 55) Dibenzofuran              | 10.139 | 168  | 2009883  | 38.433 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.051 | 139  | 716171   | 82.120 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.122 | 165  | 538419   | 41.171 | ng    | 98       |
| 58) Fluorene                  | 10.480 | 166  | 1579444  | 37.747 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 403901   | 38.896 | ng    | 92       |
| 60) Diethylphthalate          | 10.351 | 149  | 1679071  | 38.834 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 712862   | 38.645 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.510 | 138  | 462087   | 39.405 | ng    | 90       |
| 63) Azobenzene                | 10.628 | 77   | 1704809  | 38.658 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.533 | 198  | 282341   | 40.990 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 1430284  | 39.355 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 471866   | 39.487 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.027 | 284  | 521966   | 40.312 | ng    | 99       |
| 69) Atrazine                  | 11.116 | 200  | 482054   | 43.669 | ng    | 97       |
| 70) Pentachlorophenol         | 11.222 | 266  | 569117   | 80.852 | ng    | 98       |
| 71) Phenanthrene              | 11.445 | 178  | 2271925  | 38.138 | ng    | 100      |
| 72) Anthracene                | 11.498 | 178  | 2288853  | 39.099 | ng    | 99       |
| 73) Carbazole                 | 11.651 | 167  | 2192348  | 39.783 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 2535787  | 38.640 | ng    | 99       |
| 75) Fluoranthene              | 12.633 | 202  | 2340832  | 38.782 | ng    | 96       |
| 77) Benzidine                 | 12.757 | 184  | 1361209  | 56.653 | ng    | 100      |
| 78) Pyrene                    | 12.869 | 202  | 2377785  | 41.808 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 1078067  | 43.701 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.051 | 228  | 1900329  | 40.903 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.016 | 252  | 522106   | 34.037 | ng    | # 96     |
| 83) Chrysene                  | 14.092 | 228  | 1710945  | 39.075 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 1412490  | 43.491 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 2010600  | 43.020 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.062 | 276  | 1625607  | 42.666 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 1617384  | 43.095 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 1542585  | 41.942 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.492 | 252  | 1379026  | 45.264 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 1392103  | 44.891 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 1435717  | 45.308 | ng    | 97       |

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

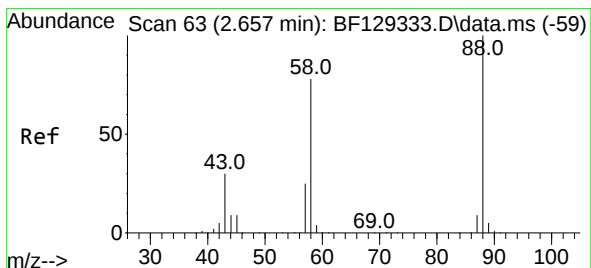
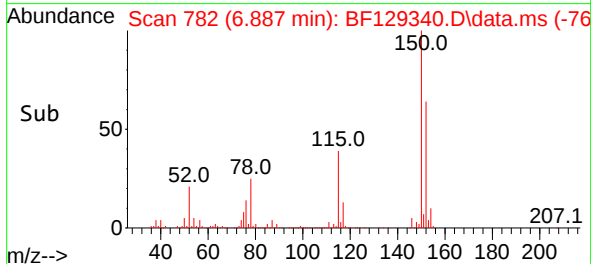
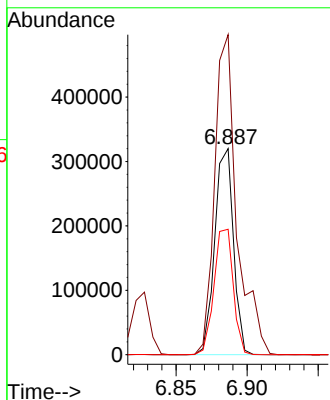
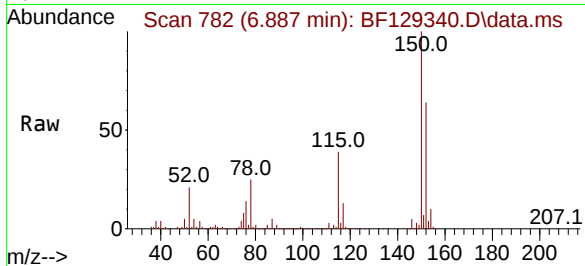




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.887 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

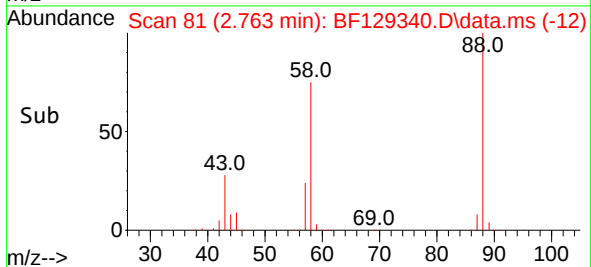
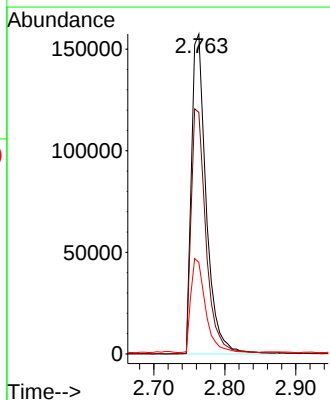
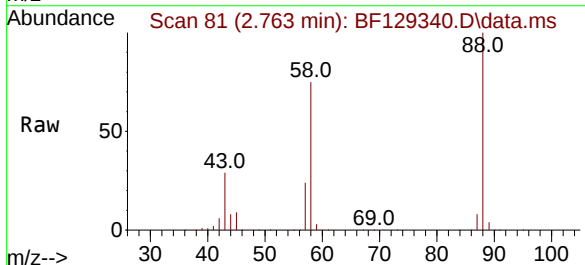
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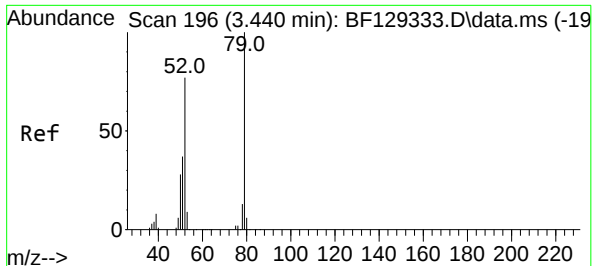
Tgt Ion:152 Resp: 293194  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 123.7 185.5  
 115 60.9 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 28.129 ng  
 RT: 2.763 min Scan# 81  
 Delta R.T. 0.106 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

Tgt Ion: 88 Resp: 228424  
 Ion Ratio Lower Upper  
 88 100  
 58 76.7 71.8 107.8  
 43 29.1 26.6 39.8

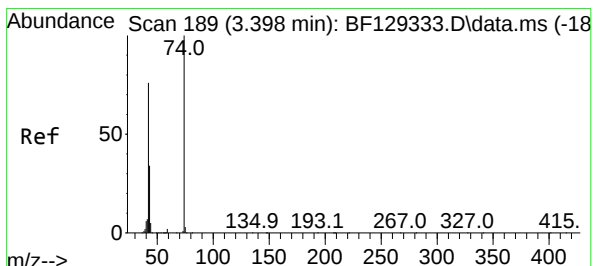
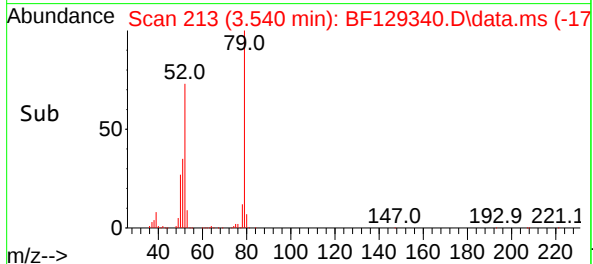
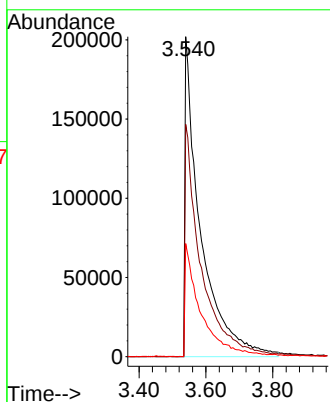
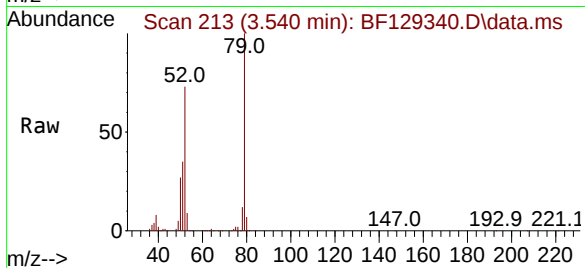




#3  
 Pyridine  
 Concen: 28.764 ng  
 RT: 3.540 min Scan# 213  
 Delta R.T. 0.100 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

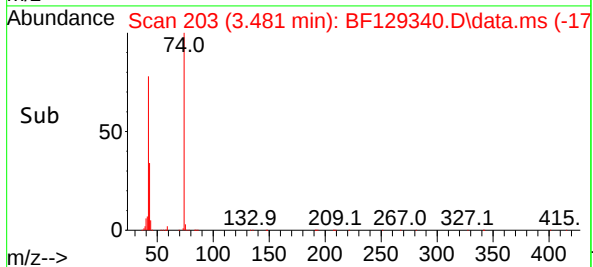
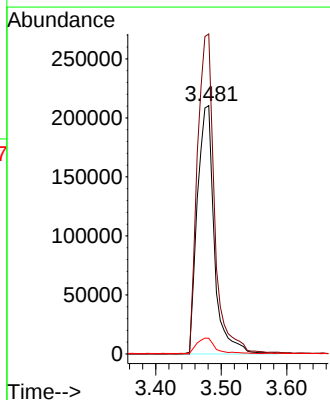
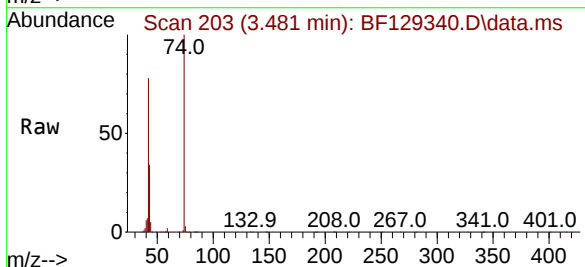
Instrument :  
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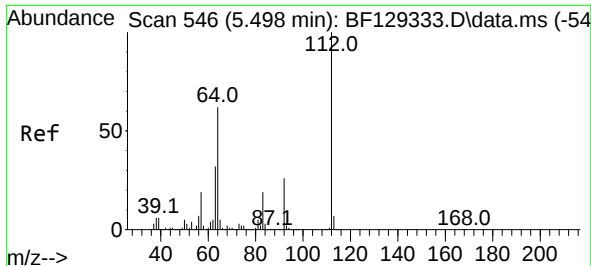
Tgt Ion: 79 Resp: 648672  
 Ion Ratio Lower Upper  
 79 100  
 52 72.6 68.6 102.8  
 51 35.3 32.9 49.3



#4  
 n-Nitrosodimethylamine  
 Concen: 38.285 ng  
 RT: 3.481 min Scan# 203  
 Delta R.T. 0.082 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

Tgt Ion: 42 Resp: 379125  
 Ion Ratio Lower Upper  
 42 100  
 74 128.9 94.8 142.2  
 44 6.3 6.6 10.0#

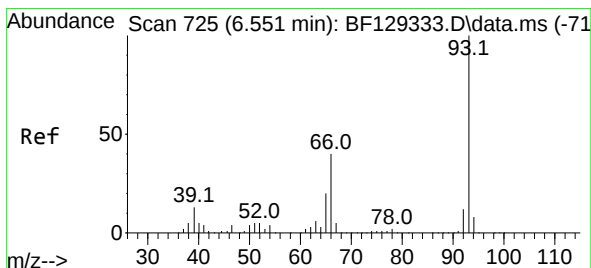
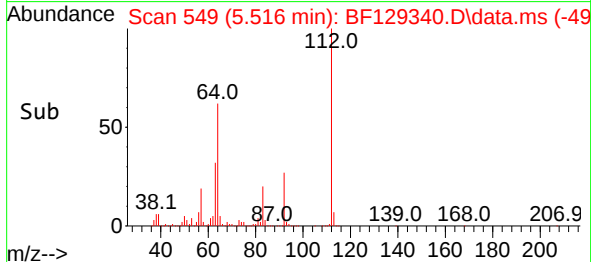
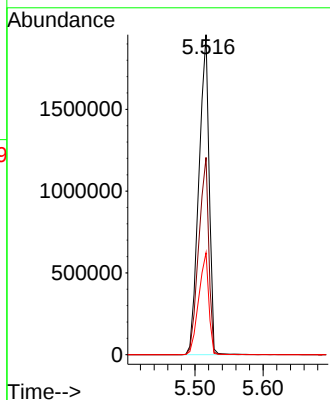
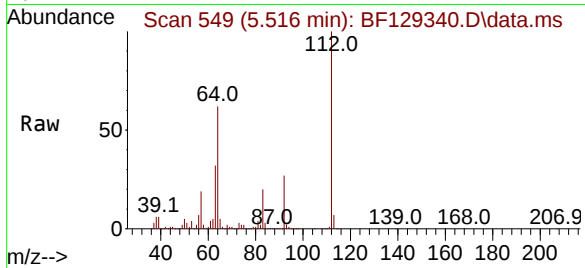




#5  
2-Fluorophenol  
Concen: 114.016 ng  
RT: 5.516 min Scan# 546  
Delta R.T. 0.018 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

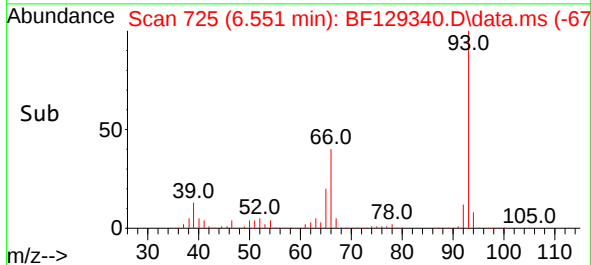
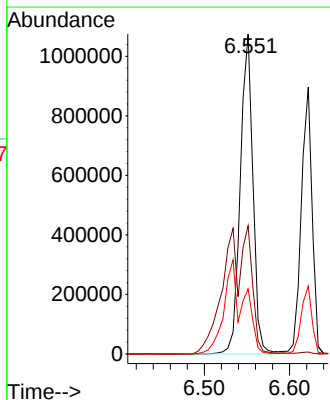
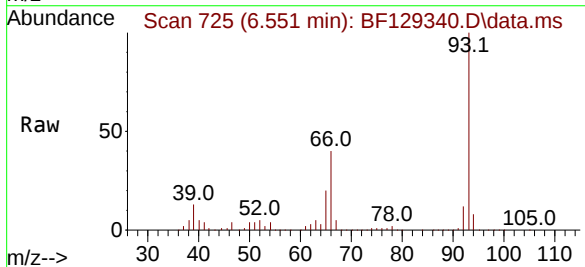
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Tgt Ion:112 Resp: 2052101  
Ion Ratio Lower Upper  
112 100  
64 61.6 53.3 79.9  
63 31.8 28.0 42.0



#6  
Aniline  
Concen: 39.408 ng  
RT: 6.551 min Scan# 725  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 93 Resp: 1108304  
Ion Ratio Lower Upper  
93 100  
66 40.0 32.5 48.7  
65 20.3 16.4 24.6

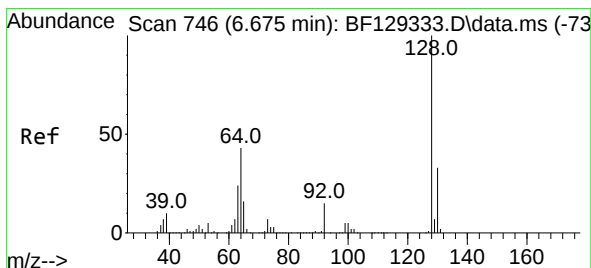
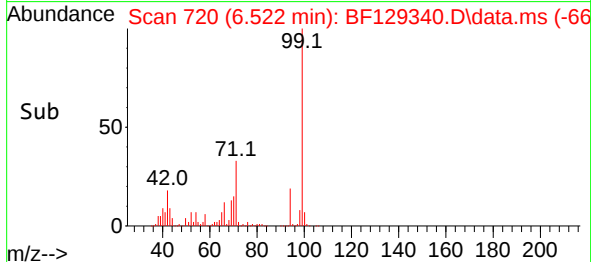
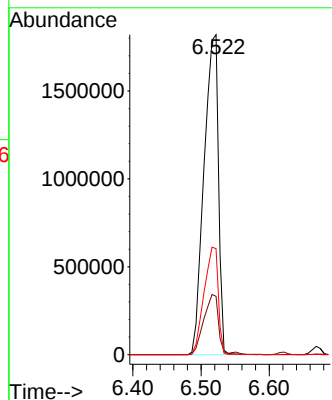
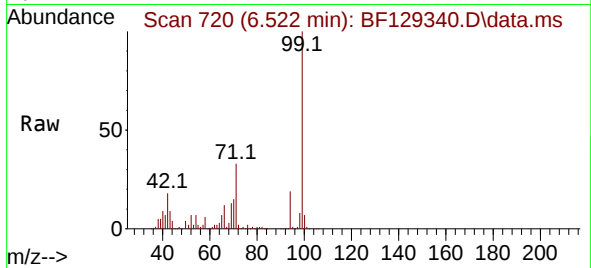




#7  
Phenol-d6  
Concen: 118.447 ng  
RT: 6.522 min Scan# 719  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

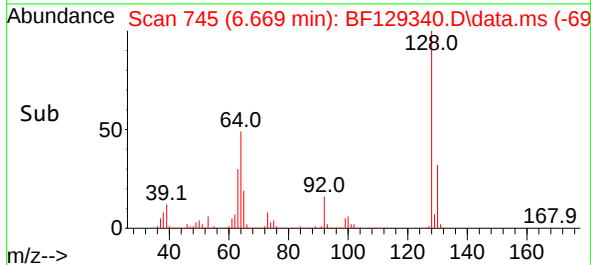
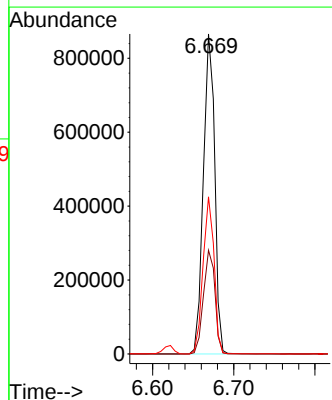
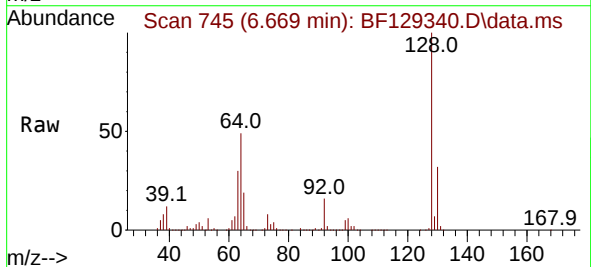
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ClientSampleId :  
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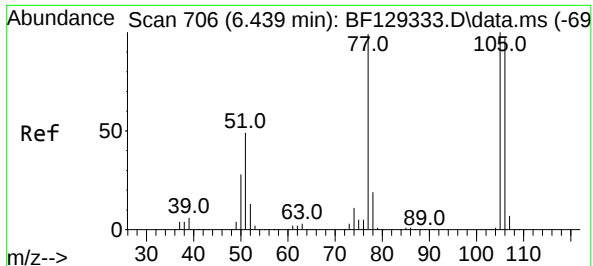
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Ion Ratio Lower Upper  
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71 33.2 28.9 43.3



#8  
2-Chlorophenol  
Concen: 42.737 ng  
RT: 6.669 min Scan# 745  
Delta R.T. -0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:128 Resp: 840366  
Ion Ratio Lower Upper  
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64 49.1 30.9 70.9

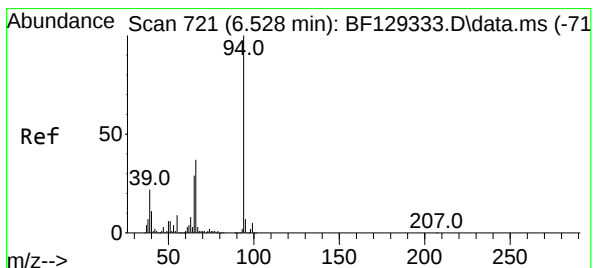
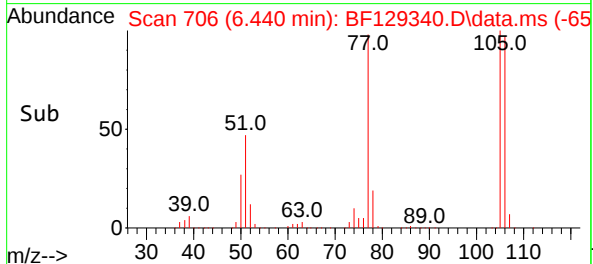
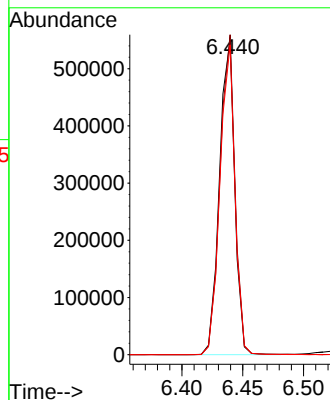
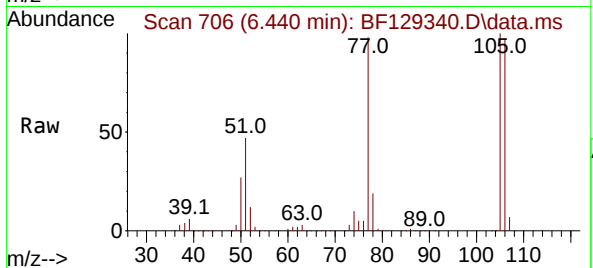




#9  
Benzaldehyde  
Concen: 31.323 ng  
RT: 6.440 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

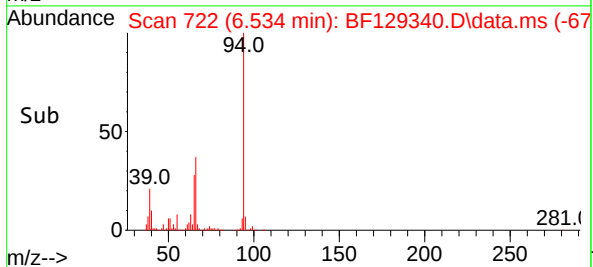
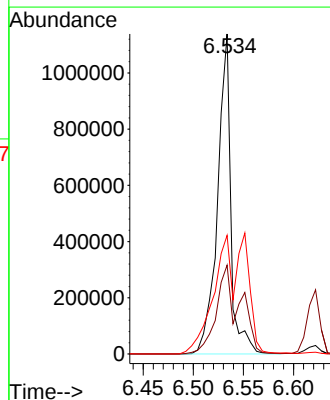
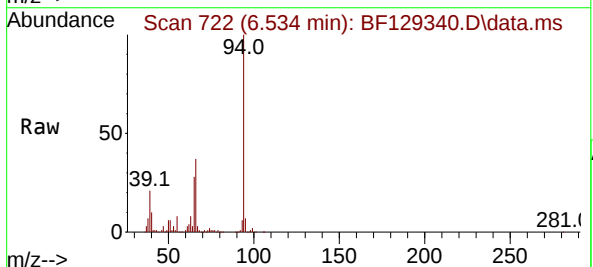
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

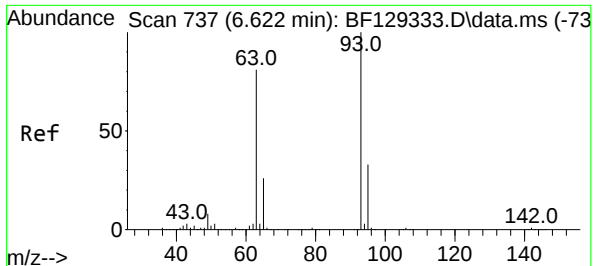
Tgt Ion: 77 Resp: 481221  
Ion Ratio Lower Upper  
77 100  
105 101.7 81.6 121.6  
106 98.5 76.1 116.1



#10  
Phenol  
Concen: 43.819 ng  
RT: 6.534 min Scan# 722  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 94 Resp: 1055670  
Ion Ratio Lower Upper  
94 100  
65 27.8 11.4 51.4  
66 37.1 21.4 61.4

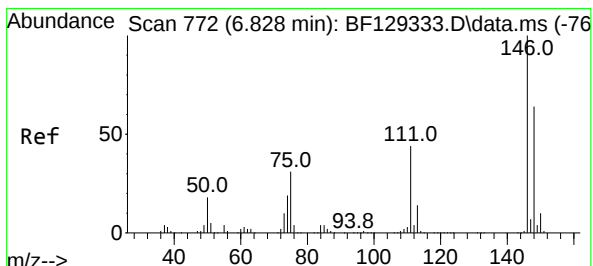
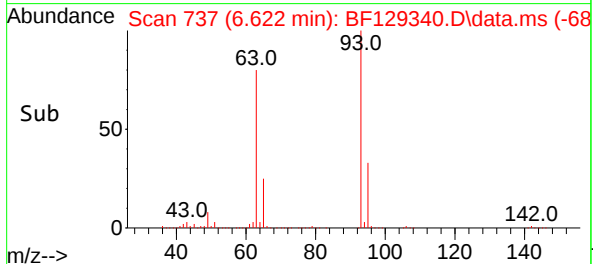
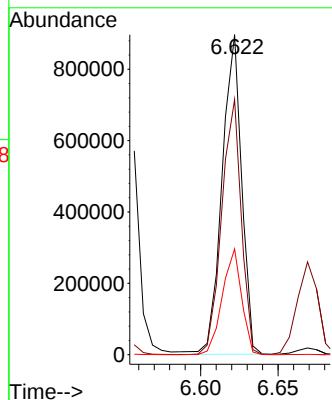
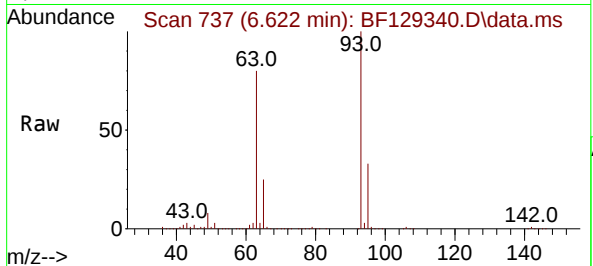




#11  
bis(2-Chloroethyl)ether  
Concen: 41.179 ng  
RT: 6.622 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

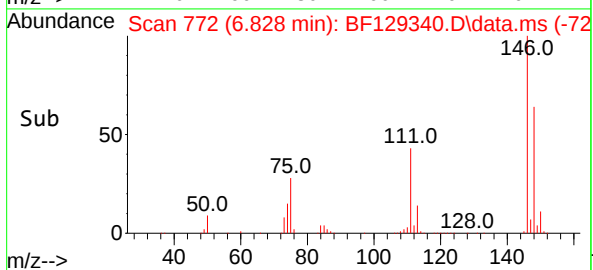
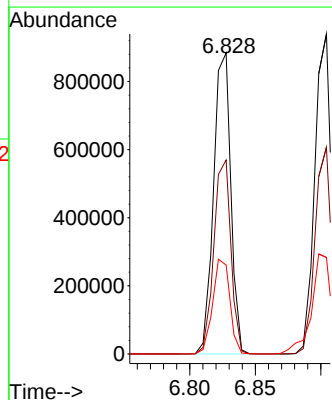
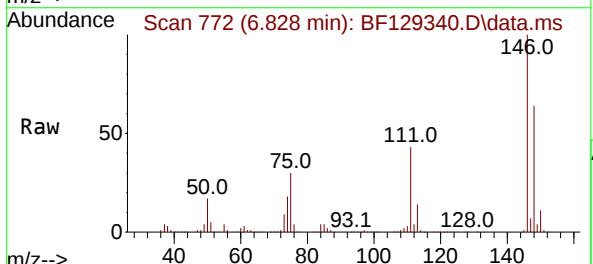
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

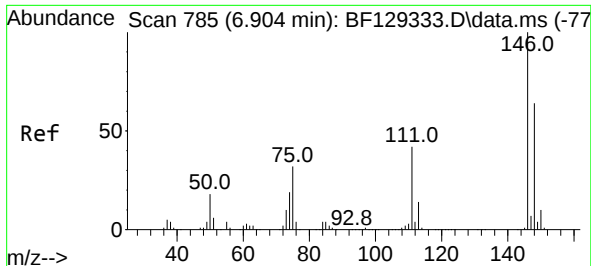
Tgt Ion: 93 Resp: 786755  
Ion Ratio Lower Upper  
93 100  
63 79.8 67.4 107.4  
95 33.1 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 38.340 ng  
RT: 6.828 min Scan# 772  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 146 Resp: 808566  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.6 75.8  
75 29.6 26.3 39.5

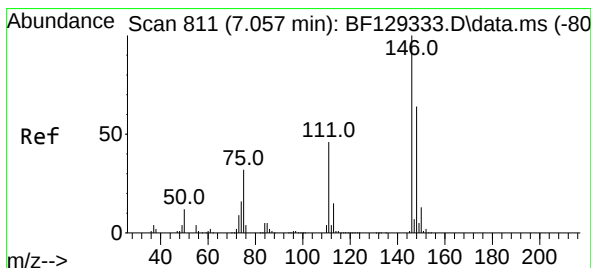
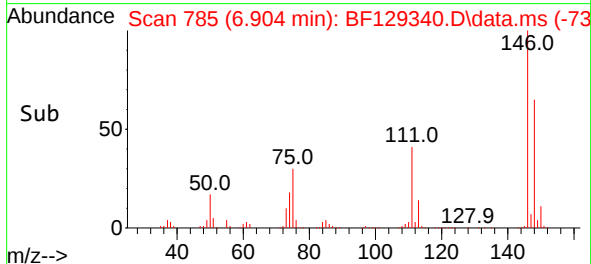
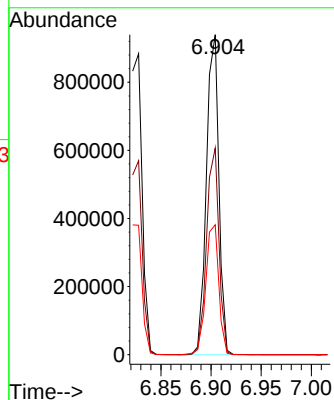
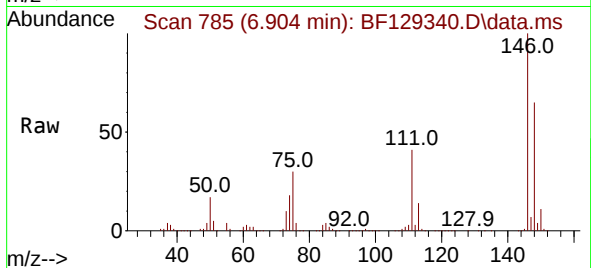




#13  
 1,4-Dichlorobenzene  
 Concen: 38.091 ng  
 RT: 6.904 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

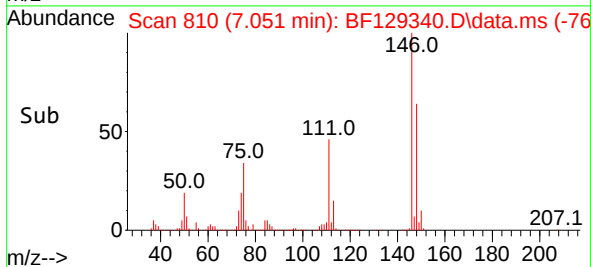
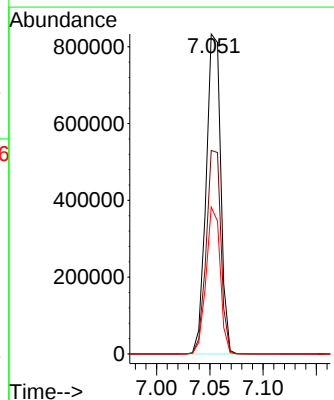
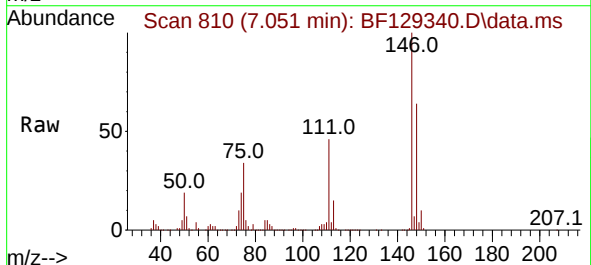
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146401BS

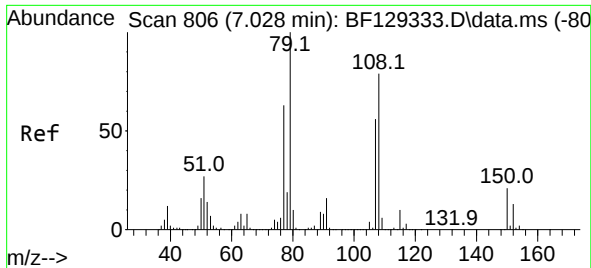
Tgt Ion:146 Resp: 816981  
 Ion Ratio Lower Upper  
 146 100  
 148 64.6 51.1 76.7  
 111 40.6 34.2 51.4



#14  
 1,2-Dichlorobenzene  
 Concen: 40.507 ng  
 RT: 7.051 min Scan# 810  
 Delta R.T. -0.006 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

Tgt Ion:146 Resp: 798570  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 51.8 77.8  
 111 45.9 35.1 52.7

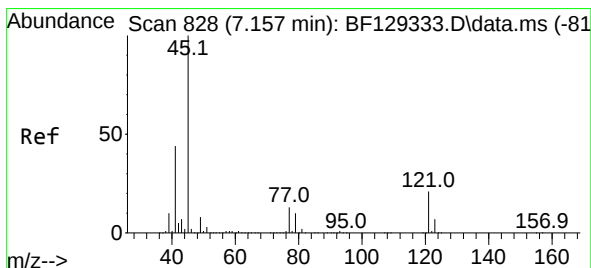
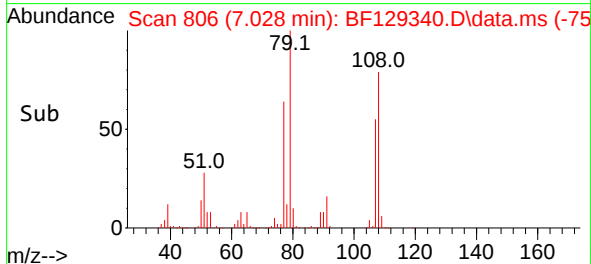
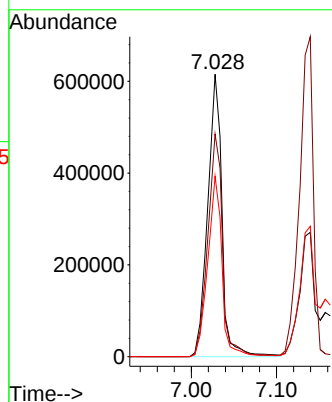
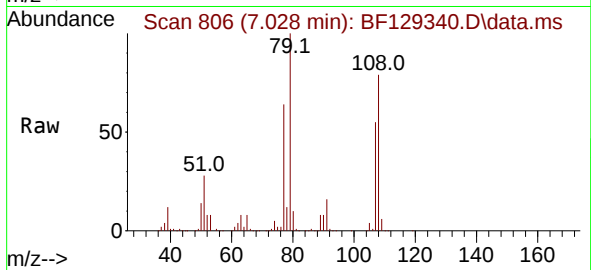




#15  
Benzyl Alcohol  
Concen: 43.464 ng  
RT: 7.028 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

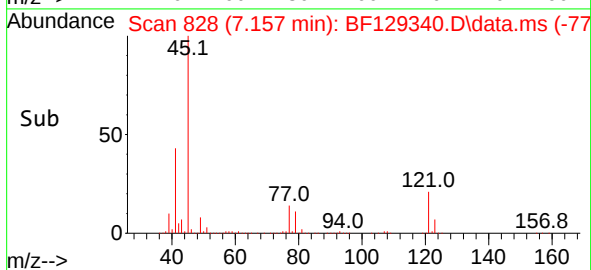
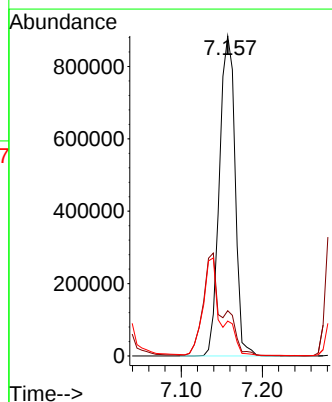
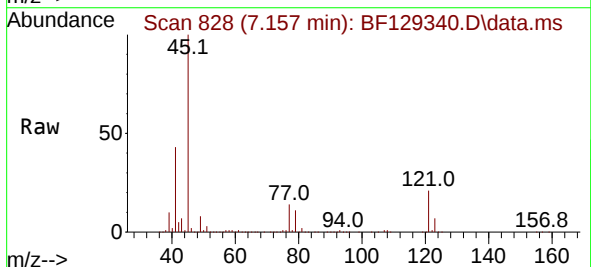
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

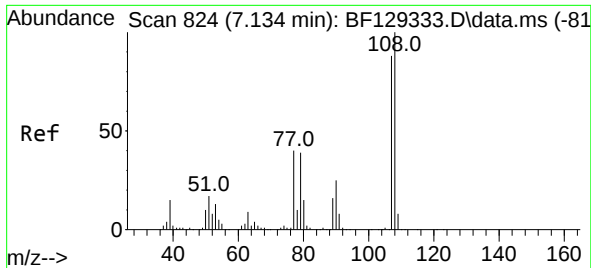
Tgt Ion: 79 Resp: 713138  
Ion Ratio Lower Upper  
79 100  
108 78.9 61.8 92.6  
77 63.9 50.2 75.4



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.323 ng  
RT: 7.157 min Scan# 828  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 45 Resp: 1186765  
Ion Ratio Lower Upper  
45 100  
77 14.2 0.0 31.3  
79 10.9 0.0 28.3

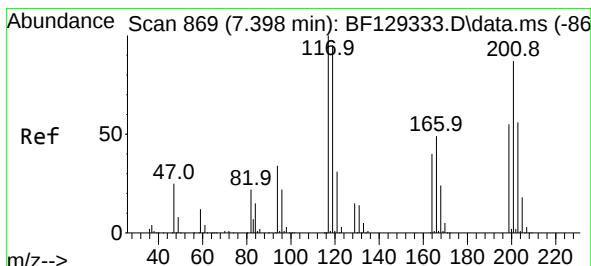
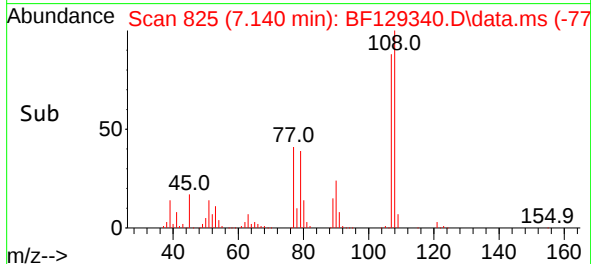
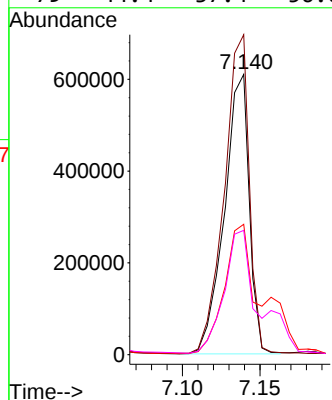
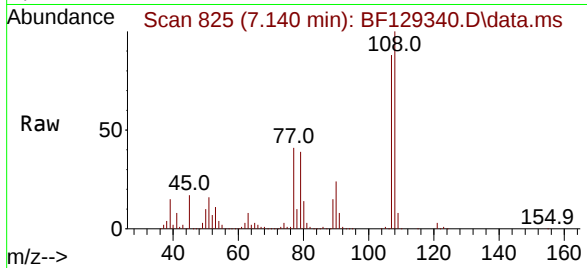




#17  
2-Methylphenol  
Concen: 41.548 ng  
RT: 7.140 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

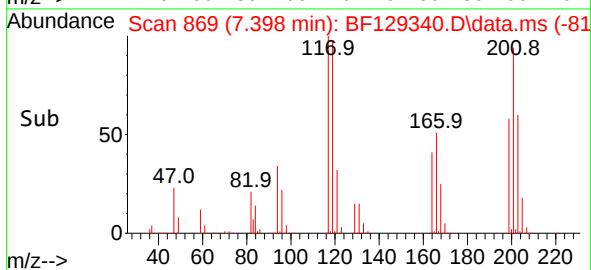
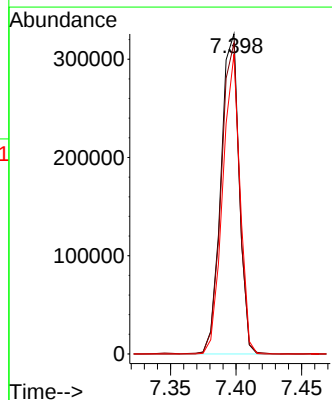
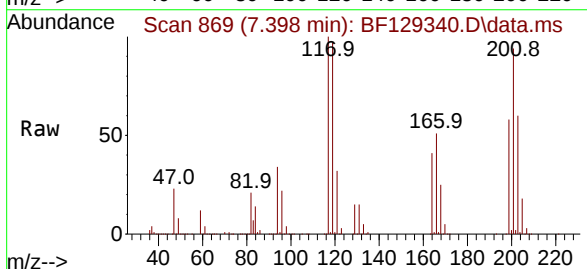
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

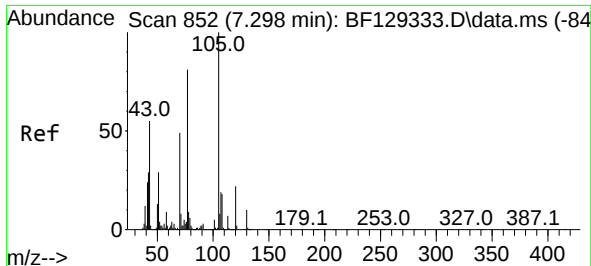
Tgt Ion:107 Resp: 677770  
Ion Ratio Lower Upper  
107 100  
108 114.1 91.9 137.9  
77 46.5 37.8 56.8  
79 44.4 37.4 56.0



#18  
Hexachloroethane  
Concen: 39.033 ng  
RT: 7.398 min Scan# 869  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:117 Resp: 315228  
Ion Ratio Lower Upper  
117 100  
119 97.2 77.4 116.2  
201 93.7 84.6 127.0



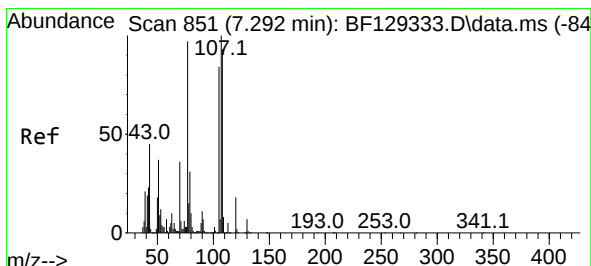
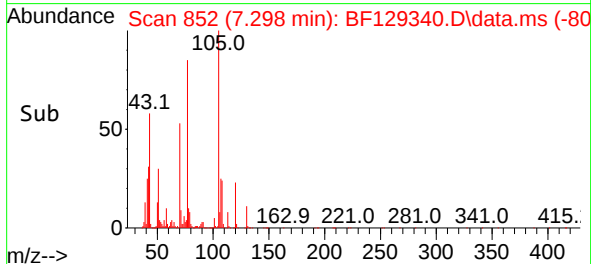
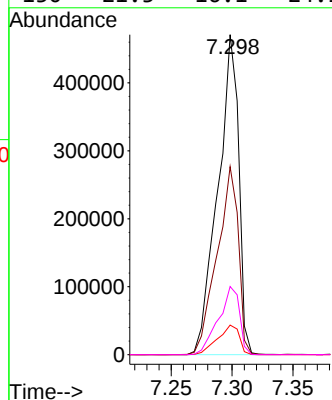
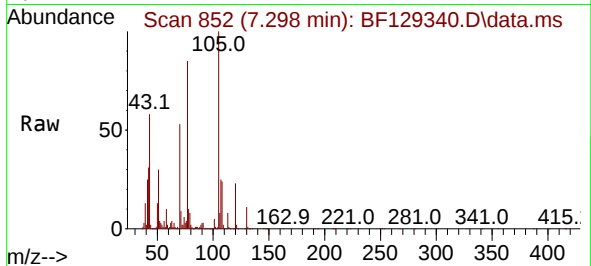


#19  
n-Nitroso-di-n-propylamine  
Concen: 40.920 ng  
RT: 7.298 min Scan# 852  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

Tgt Ion: 70 Resp: 560428

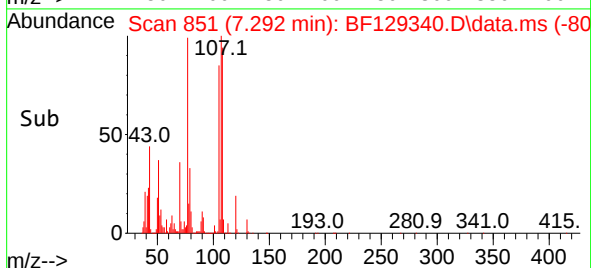
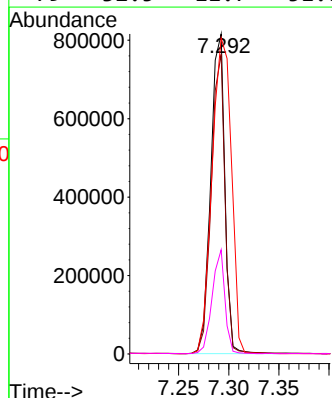
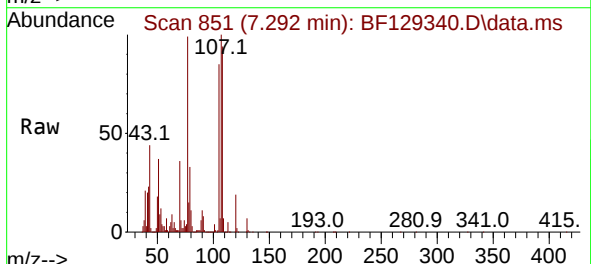
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 58.7  | 52.3  | 78.5  |
| 101 | 9.3   | 7.5   | 11.3  |
| 130 | 21.3  | 16.1  | 24.1  |



#20  
3+4-Methylphenols  
Concen: 38.612 ng  
RT: 7.292 min Scan# 851  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 107 Resp: 800856

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 93.6  | 71.8  | 111.8 |
| 77  | 98.7  | 59.3  | 99.3  |
| 79  | 32.5  | 11.7  | 51.7  |

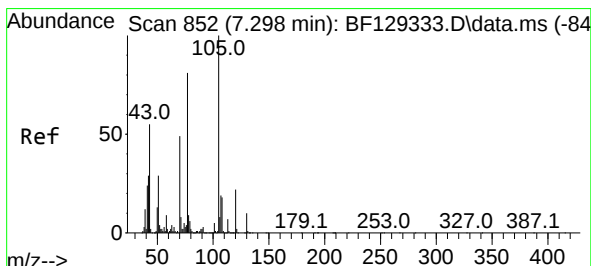
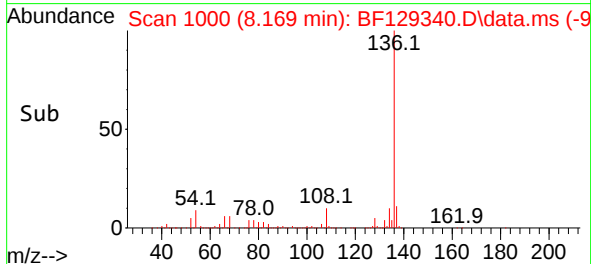
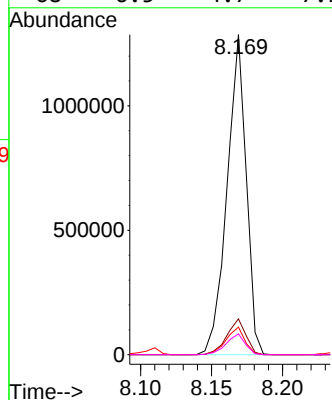
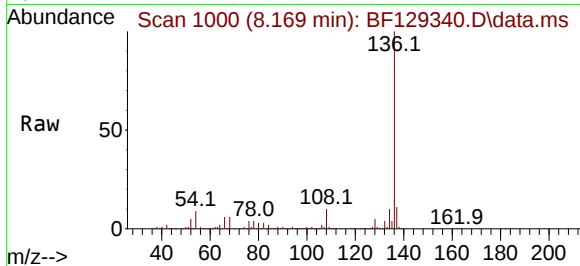




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.169 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

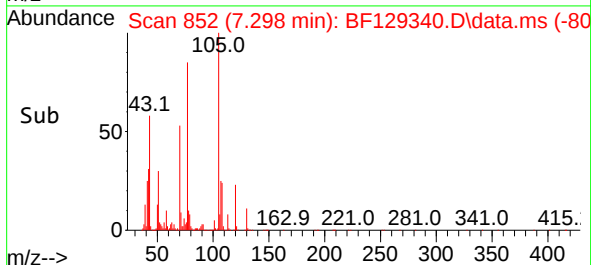
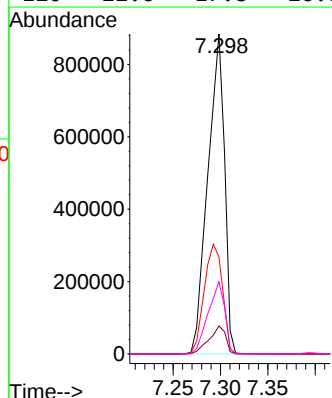
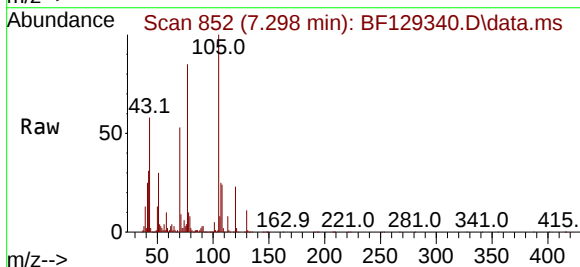
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

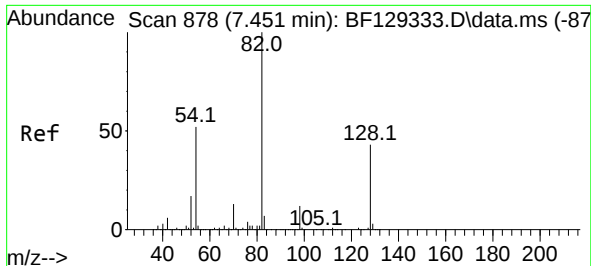
Tgt Ion:136 Resp: 1206117  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 8.6 7.5 11.3  
68 6.5 4.7 7.1



#22  
Acetophenone  
Concen: 38.442 ng  
RT: 7.298 min Scan# 852  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:105 Resp: 1079484  
Ion Ratio Lower Upper  
105 100  
71 8.8 5.0 7.4#  
51 30.4 25.0 37.4  
120 22.6 17.8 26.8





#23

Nitrobenzene-d5

Concen: 79.482 ng

RT: 7.451 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

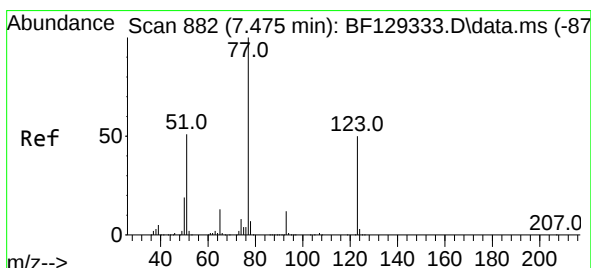
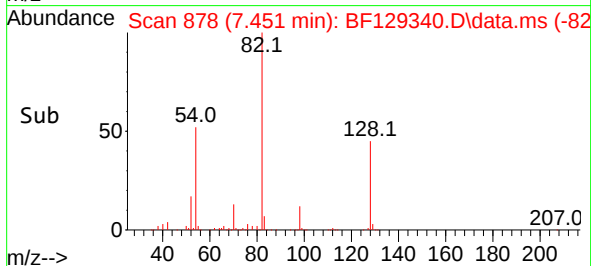
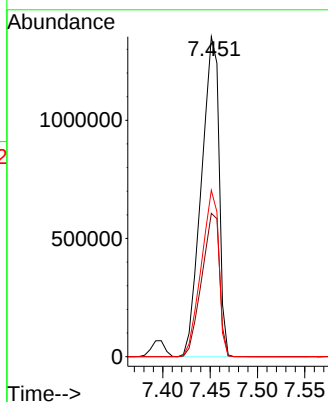
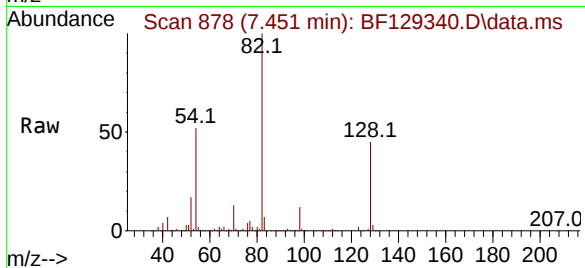
Tgt Ion: 82 Resp: 1756127

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

54 52.0 46.9 70.3



#24

Nitrobenzene

Concen: 38.364 ng

RT: 7.469 min Scan# 881

Delta R.T. -0.006 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

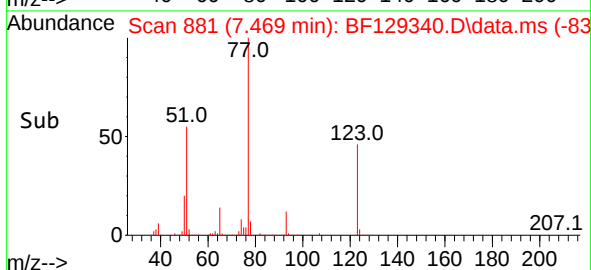
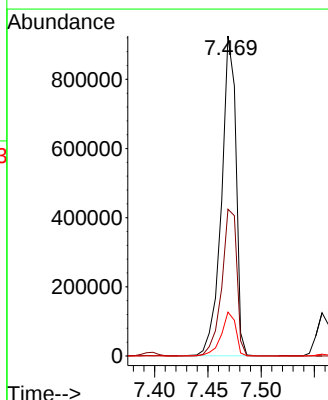
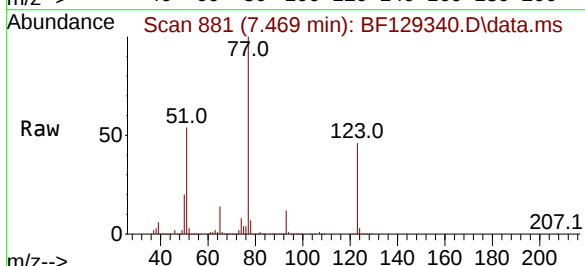
Tgt Ion: 77 Resp: 872856

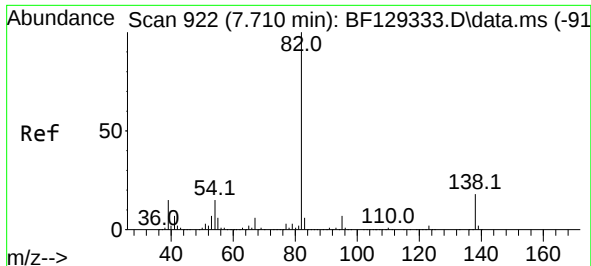
Ion Ratio Lower Upper

77 100

123 45.9 35.4 53.2

65 13.7 11.8 17.8

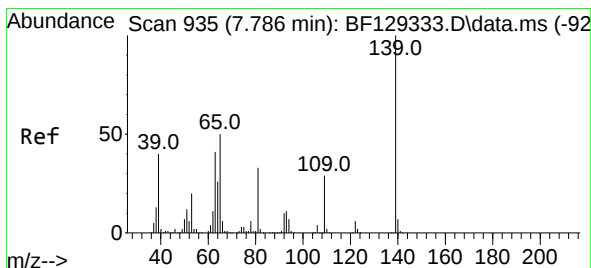
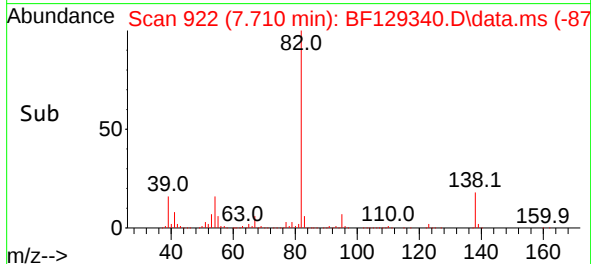
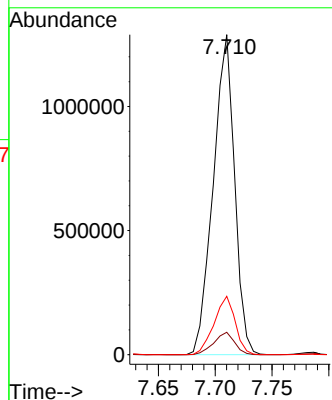
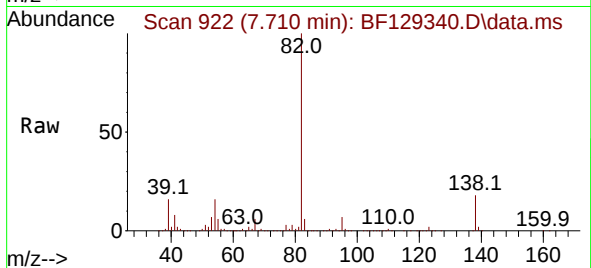




#25  
Isophorone  
Concen: 42.528 ng  
RT: 7.710 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

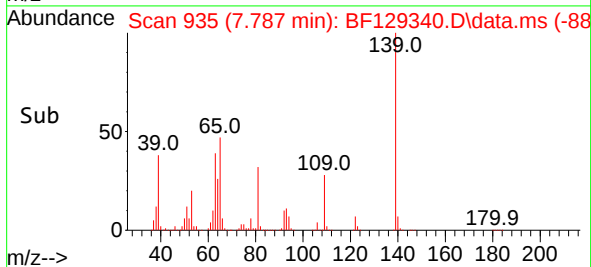
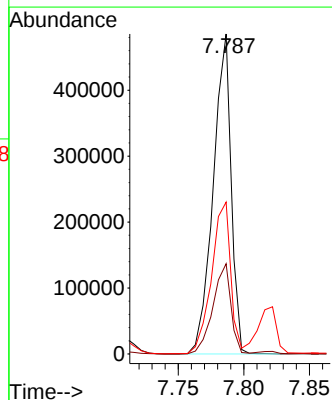
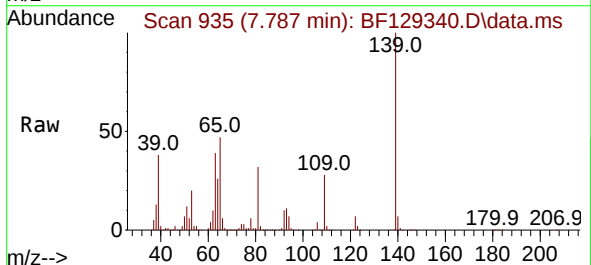
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

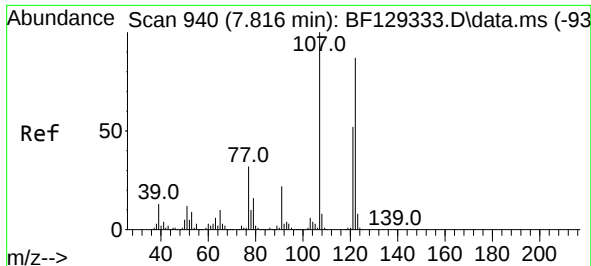
Tgt Ion: 82 Resp: 1684320  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.7 8.5  
138 18.3 14.2 21.2



#26  
2-Nitrophenol  
Concen: 41.090 ng  
RT: 7.787 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:139 Resp: 461207  
Ion Ratio Lower Upper  
139 100  
109 28.2 25.0 37.4  
65 47.5 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 45.908 ng

RT: 7.822 min Scan# 941

Delta R.T. 0.006 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

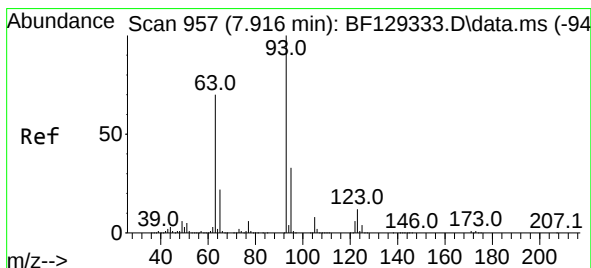
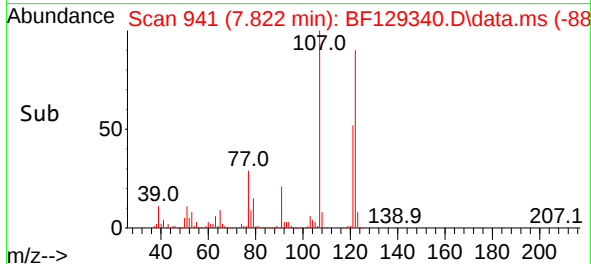
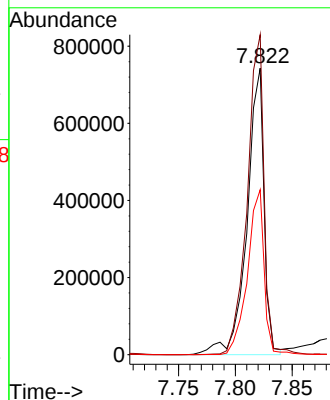
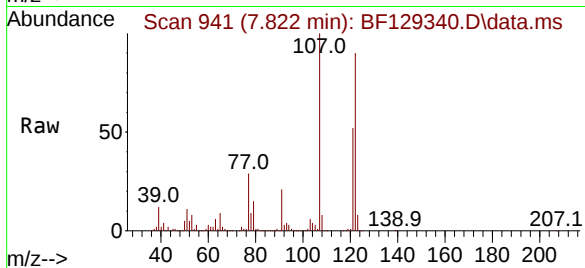
Tgt Ion:122 Resp: 772940

Ion Ratio Lower Upper

122 100

107 111.7 93.0 139.6

121 57.6 46.6 70.0



#28

bis(2-Chloroethoxy)methane

Concen: 44.171 ng

RT: 7.916 min Scan# 957

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

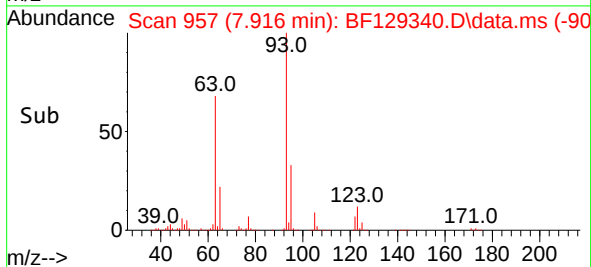
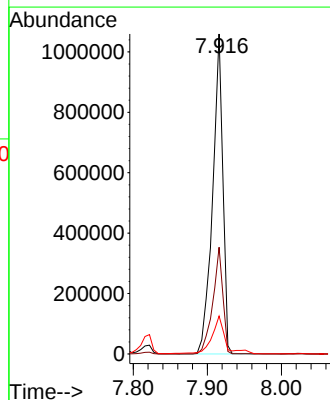
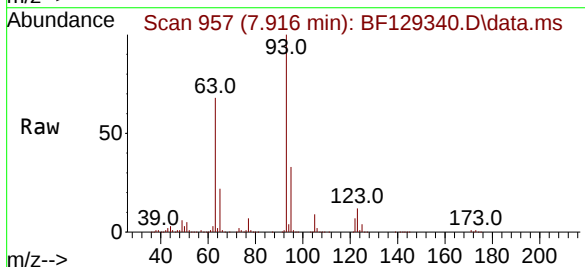
Tgt Ion: 93 Resp: 1014826

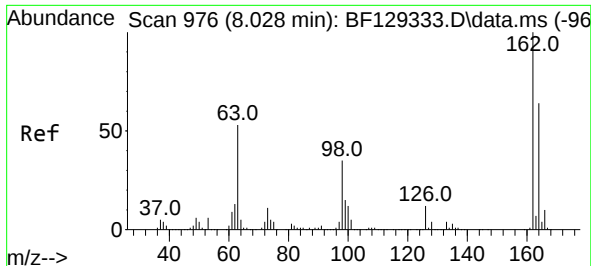
Ion Ratio Lower Upper

93 100

95 33.3 26.8 40.2

123 11.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 40.359 ng

RT: 8.028 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

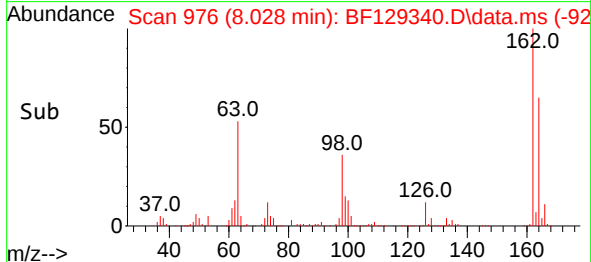
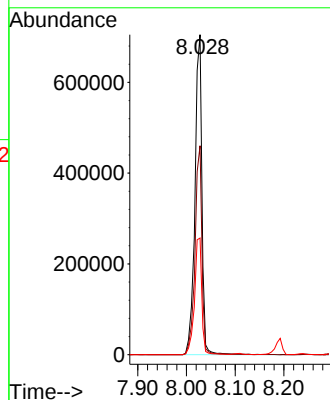
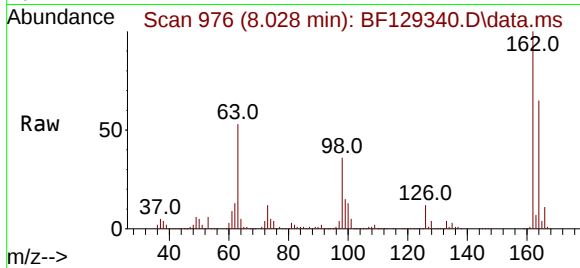
Tgt Ion:162 Resp: 701356

Ion Ratio Lower Upper

162 100

164 65.3 44.2 84.2

98 36.4 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 37.625 ng

RT: 8.110 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

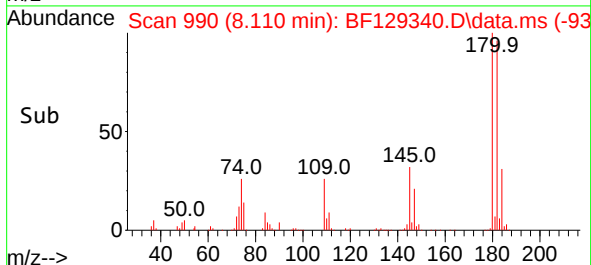
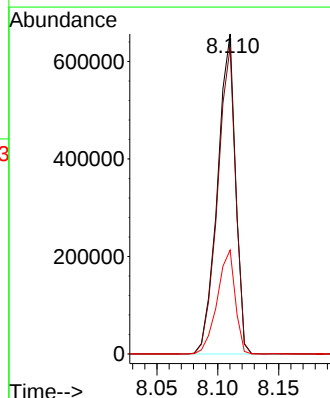
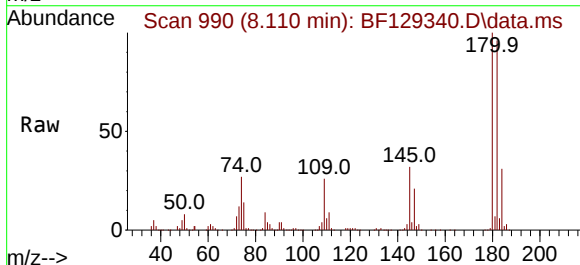
Tgt Ion:180 Resp: 676766

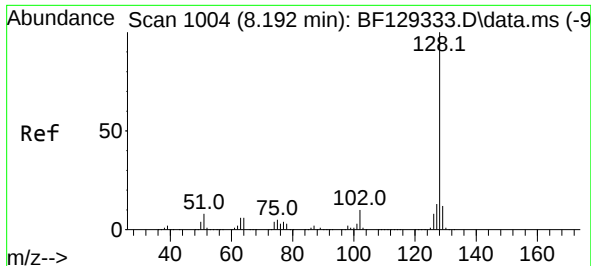
Ion Ratio Lower Upper

180 100

182 96.0 79.2 118.8

145 32.4 26.2 39.2

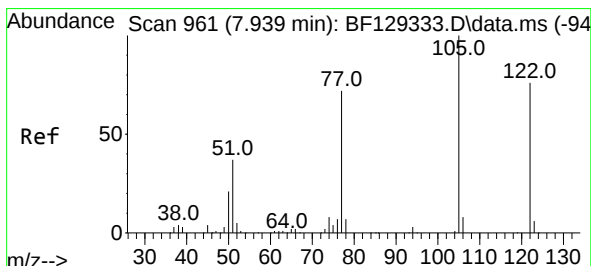
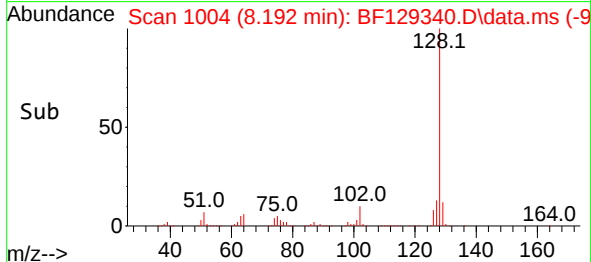
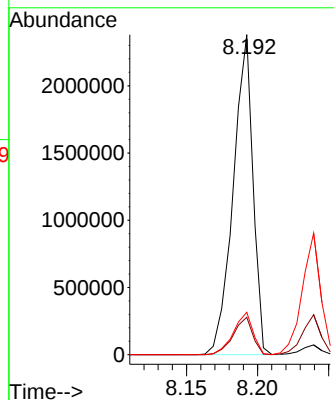
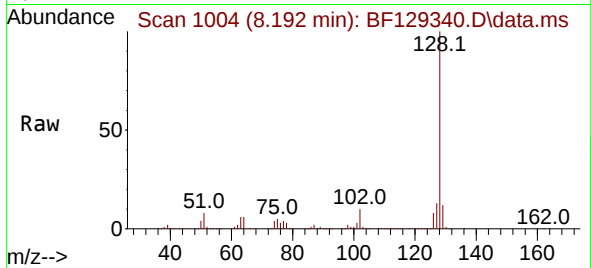




#31  
Naphthalene  
Concen: 37.589 ng  
RT: 8.192 min Scan# 1004  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

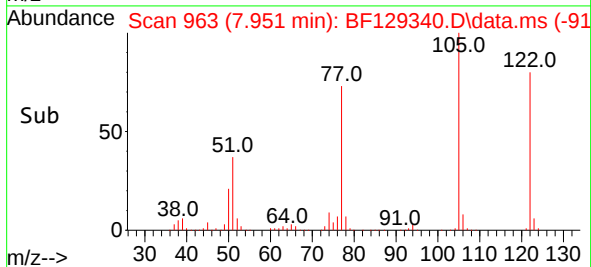
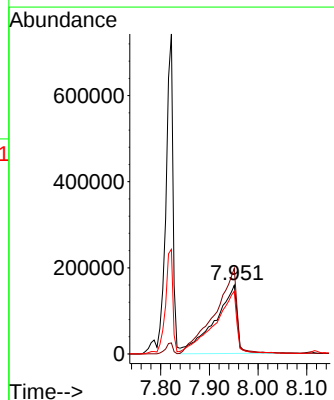
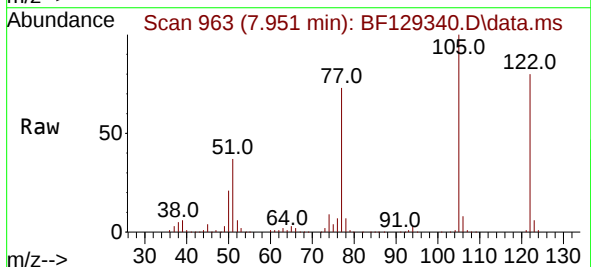
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

Tgt Ion:128 Resp: 2303366  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.2 13.8  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 42.158 ng  
RT: 7.951 min Scan# 963  
Delta R.T. 0.012 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:122 Resp: 513131  
Ion Ratio Lower Upper  
122 100  
105 124.8 107.1 147.1  
77 91.3 74.2 114.2

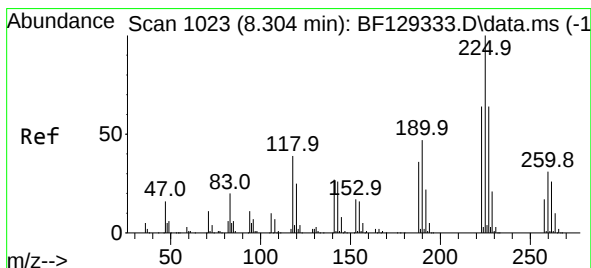
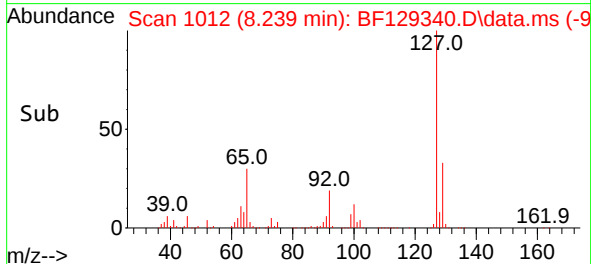
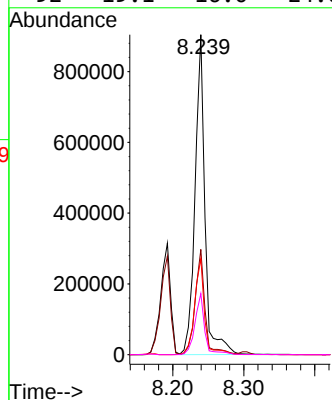
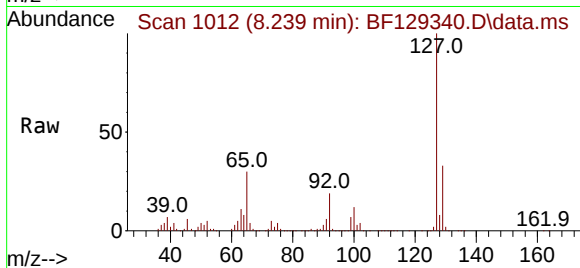




#33  
4-Chloroaniline  
Concen: 34.996 ng  
RT: 8.239 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

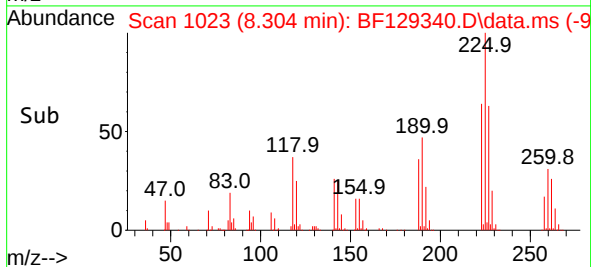
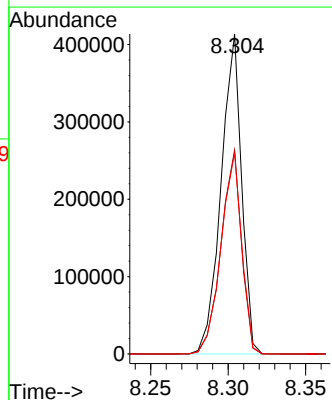
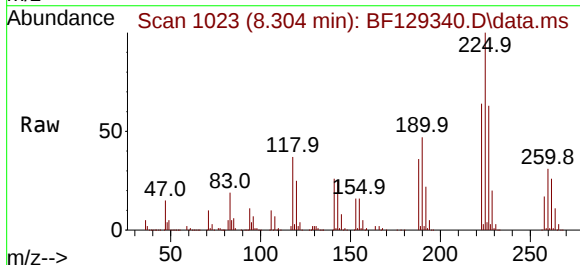
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

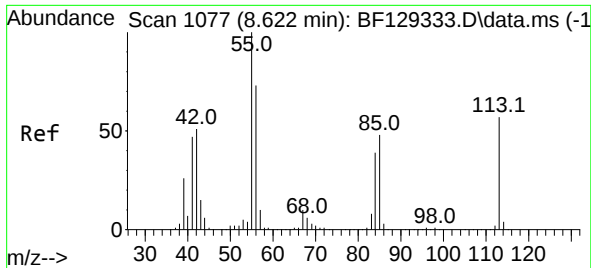
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 880437 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.9  | 26.4  | 39.6   |
| 65       | 30.0  | 26.4  | 39.6   |
| 92       | 19.1  | 16.0  | 24.0   |



#34  
Hexachlorobutadiene  
Concen: 37.158 ng  
RT: 8.304 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 379921 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.7  | 51.0  | 76.6   |
| 227      | 62.9  | 51.1  | 76.7   |

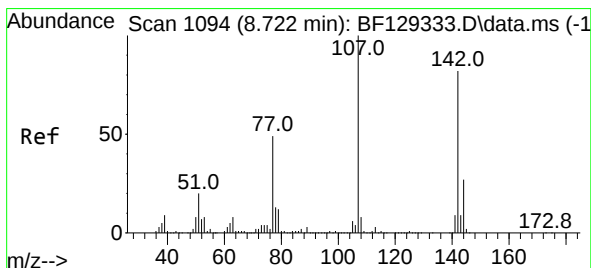
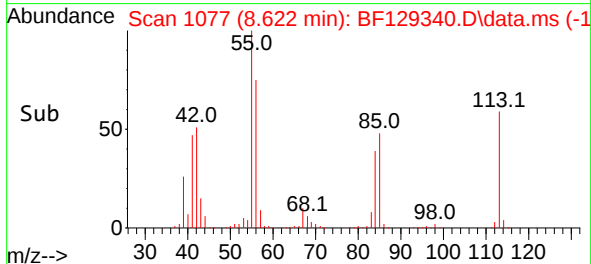
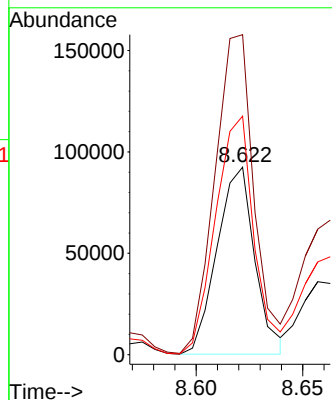
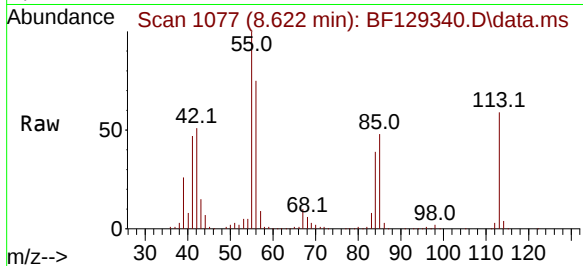




#35  
 Caprolactam  
 Concen: 20.129 ng  
 RT: 8.622 min Scan# 1077  
 Delta R.T. 0.000 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

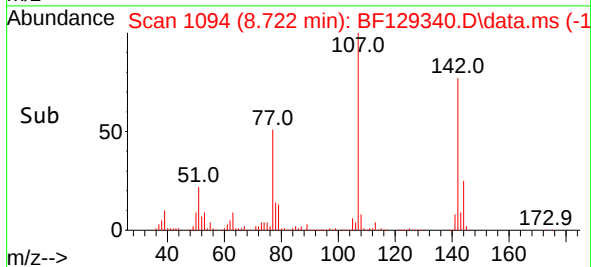
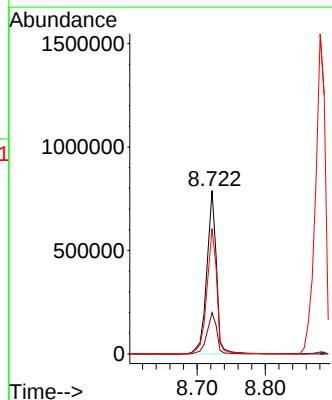
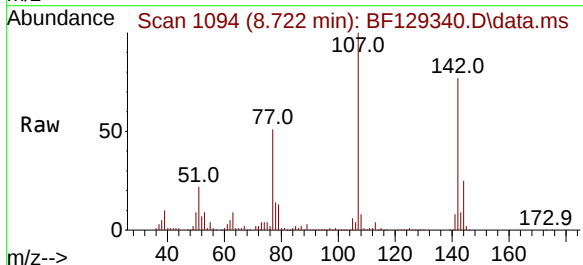
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146401BS

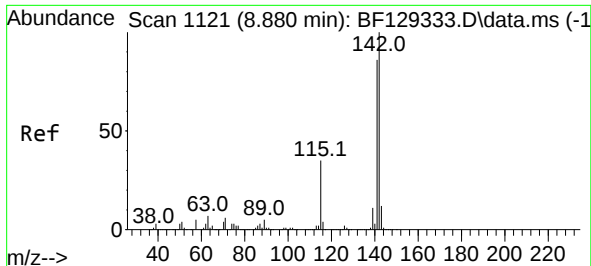
Tgt Ion:113 Resp: 113726  
 Ion Ratio Lower Upper  
 113 100  
 55 170.6 188.5 228.5#  
 56 127.3 130.6 170.6#



#36  
 4-Chloro-3-methylphenol  
 Concen: 42.028 ng  
 RT: 8.722 min Scan# 1094  
 Delta R.T. 0.000 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

Tgt Ion:107 Resp: 774627  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 19.5 29.3  
 142 76.7 58.2 87.4





#37

2-Methylnaphthalene

Concen: 38.732 ng

RT: 8.881 min Scan# 1121

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

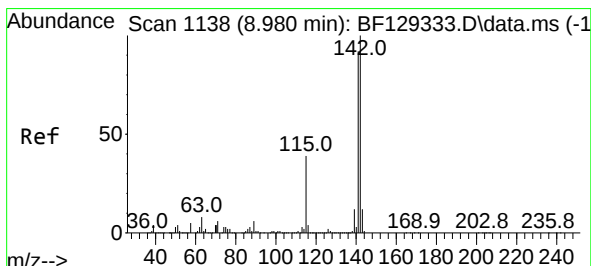
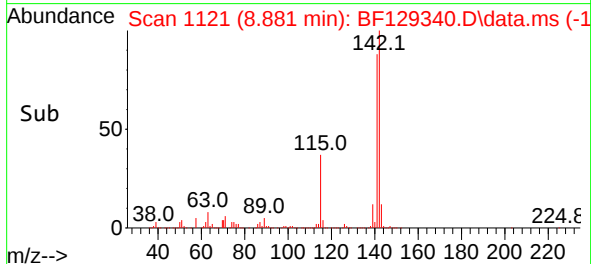
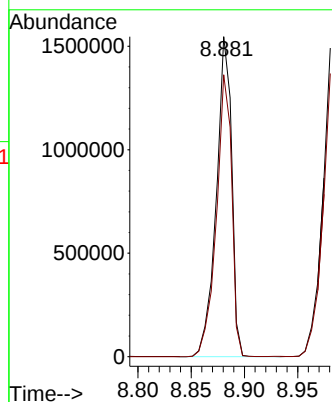
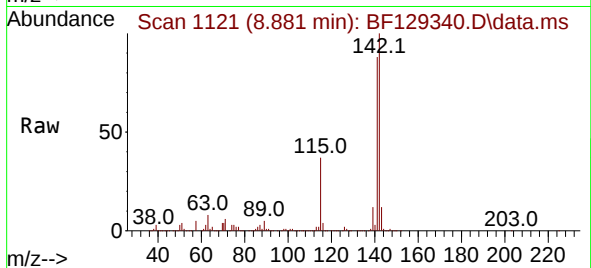
PB146401BS

Tgt Ion:142 Resp: 1542393

Ion Ratio Lower Upper

142 100

141 88.1 71.0 106.4



#38

1-Methylnaphthalene

Concen: 38.592 ng

RT: 8.981 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BF129340.D

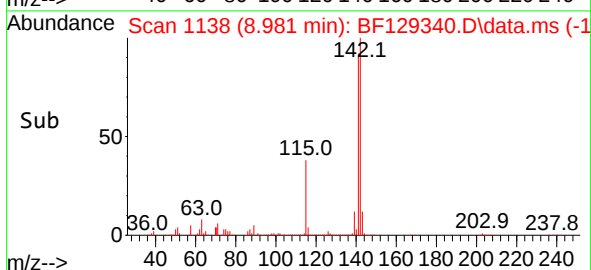
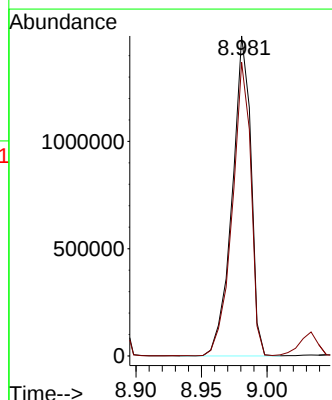
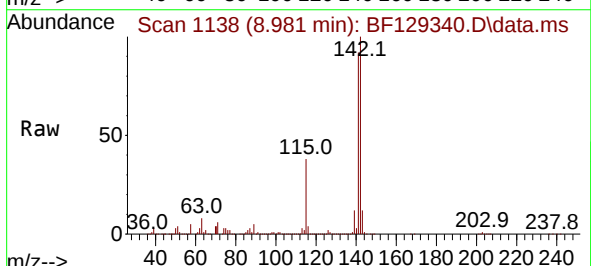
Acq: 25 Jul 2022 19:31

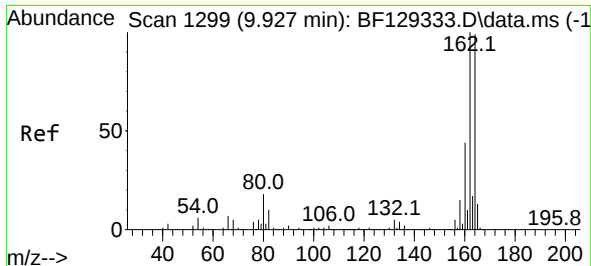
Tgt Ion:142 Resp: 1483550

Ion Ratio Lower Upper

142 100

141 91.8 74.2 111.4

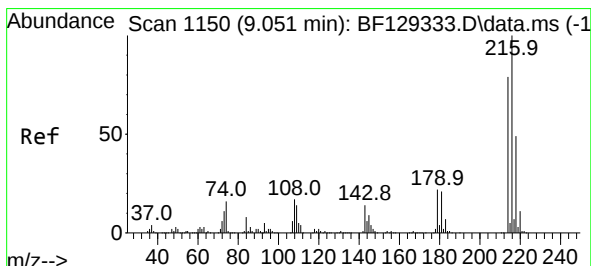
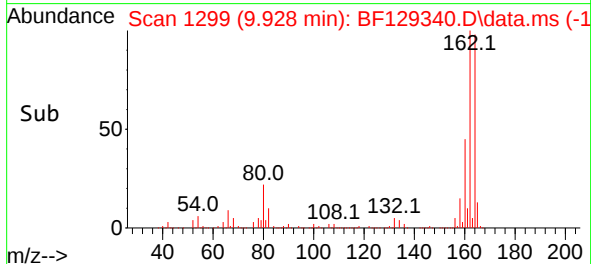
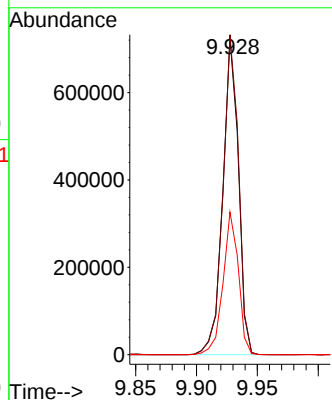
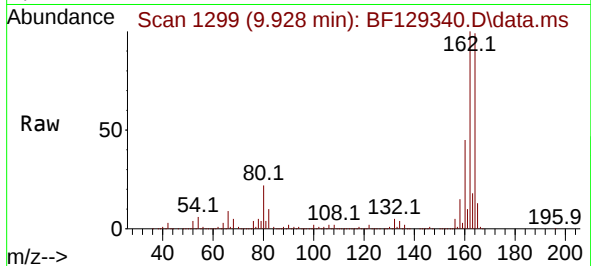




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

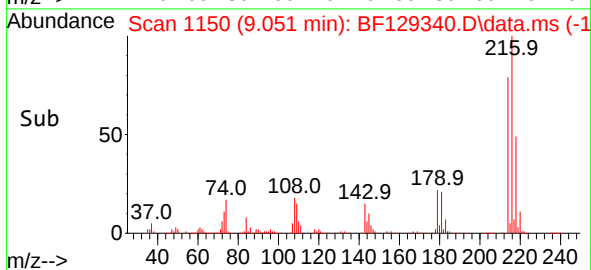
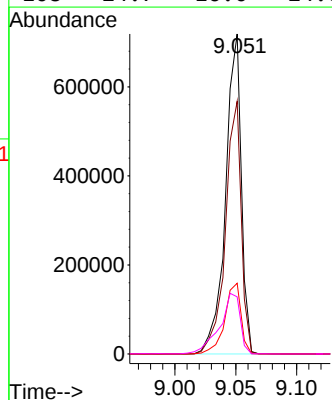
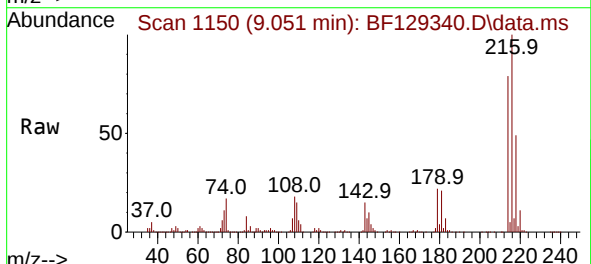
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

Tgt Ion:164 Resp: 647902  
Ion Ratio Lower Upper  
164 100  
162 101.1 79.5 119.3  
160 45.0 34.2 51.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.172 ng  
RT: 9.051 min Scan# 1150  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:216 Resp: 649399  
Ion Ratio Lower Upper  
216 100  
214 79.1 63.6 95.4  
179 22.8 17.0 25.6  
108 24.7 16.0 24.0#

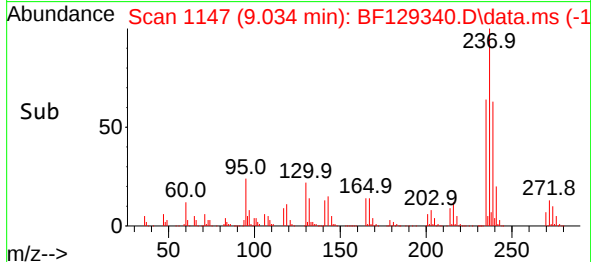
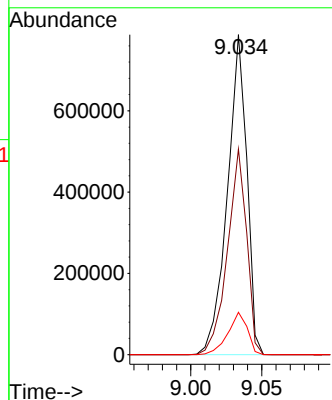
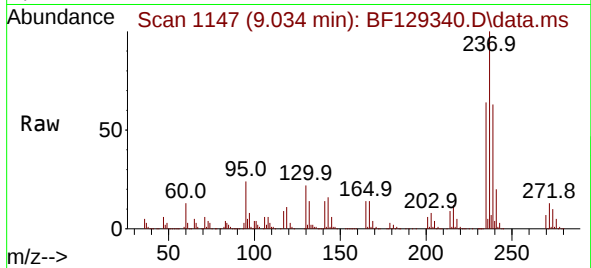




#41  
Hexachlorocyclopentadiene  
Concen: 99.132 ng  
RT: 9.034 min Scan# 1147  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

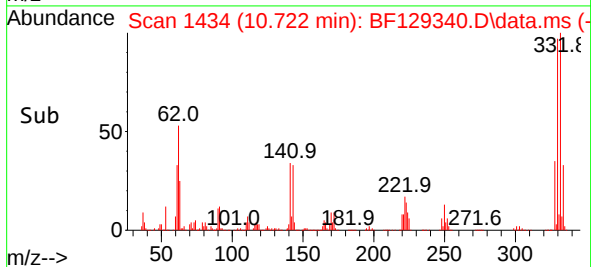
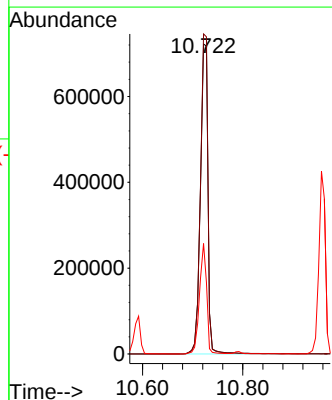
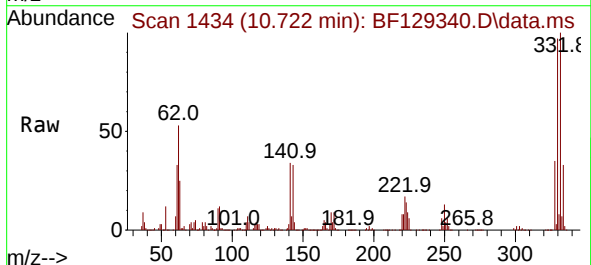
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

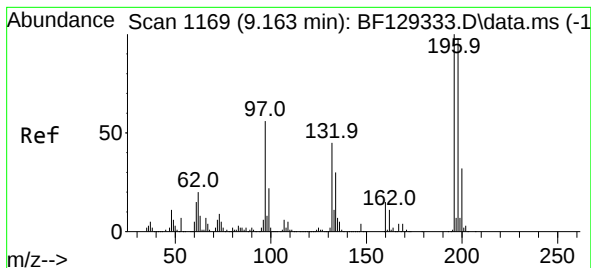
Tgt Ion:237 Resp: 750973  
Ion Ratio Lower Upper  
237 100  
235 64.2 43.2 83.2  
272 13.2 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 120.949 ng  
RT: 10.722 min Scan# 1434  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:330 Resp: 753404  
Ion Ratio Lower Upper  
330 100  
332 102.7 76.8 115.2  
141 33.8 28.0 42.0





#43

2,4,6-Trichlorophenol

Concen: 40.211 ng

RT: 9.163 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

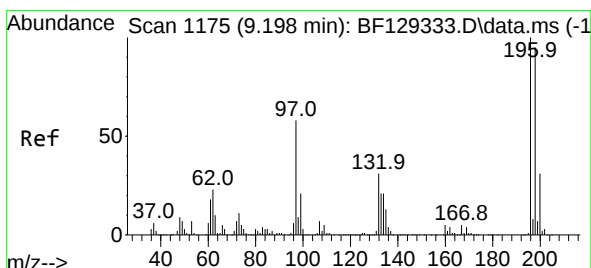
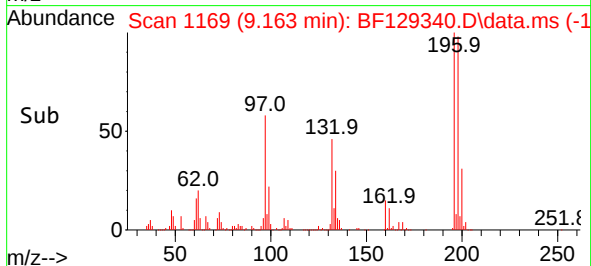
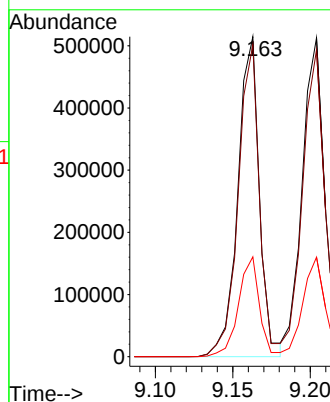
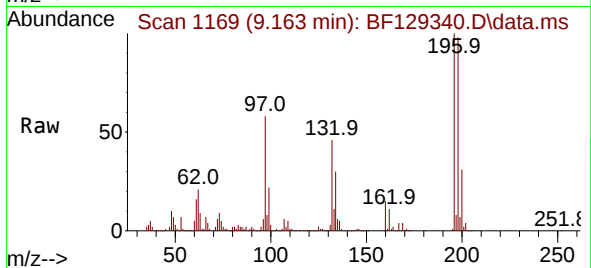
Tgt Ion:196 Resp: 496858

Ion Ratio Lower Upper

196 100

198 97.5 74.0 111.0

200 31.2 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 39.138 ng

RT: 9.204 min Scan# 1176

Delta R.T. 0.006 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Tgt Ion:196 Resp: 525907

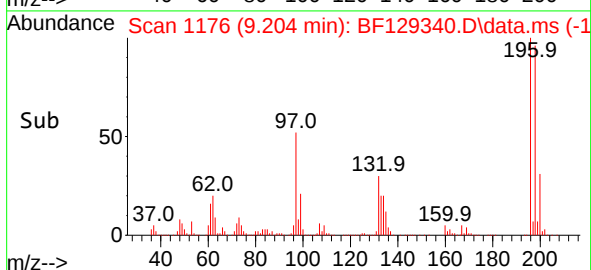
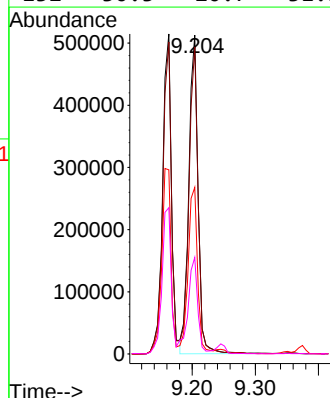
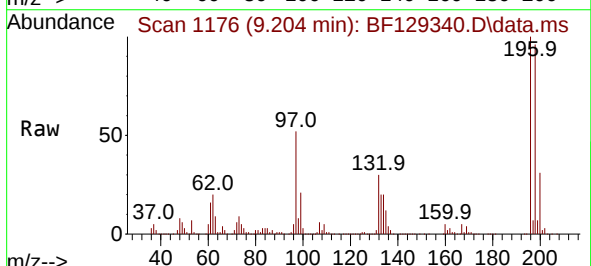
Ion Ratio Lower Upper

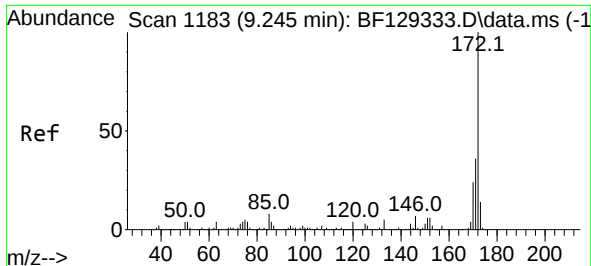
196 100

198 96.3 75.7 113.5

97 52.2 36.4 54.6

132 30.3 20.7 31.1

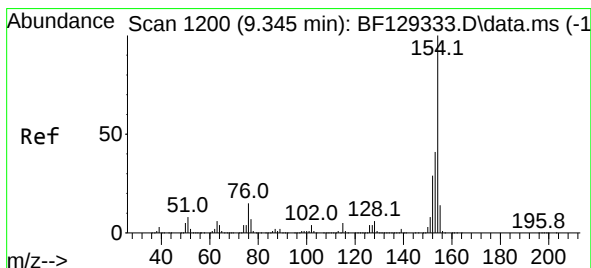
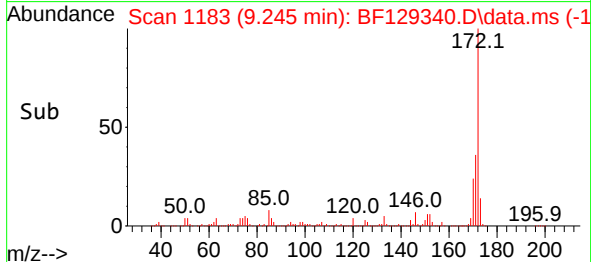
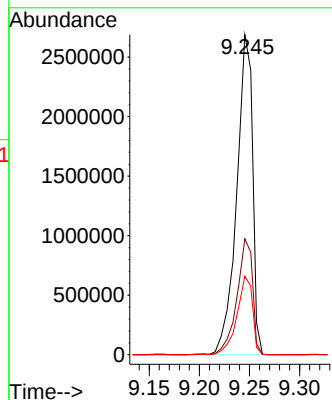
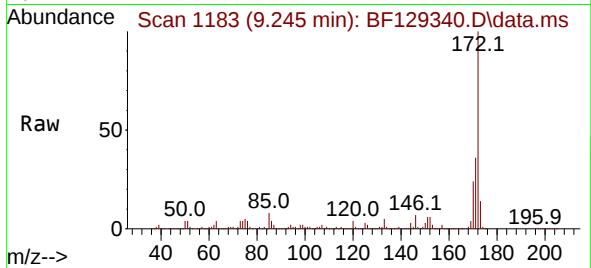




#45  
2-Fluorobiphenyl  
Concen: 70.763 ng  
RT: 9.245 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

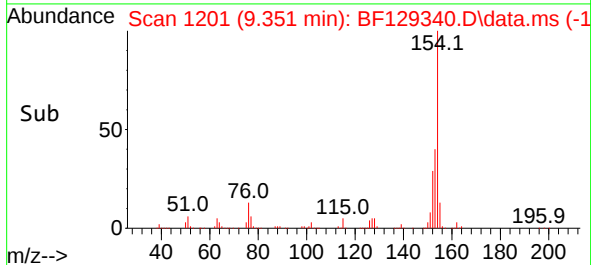
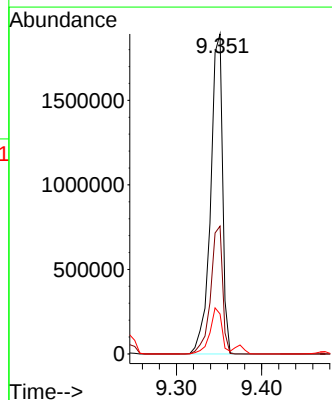
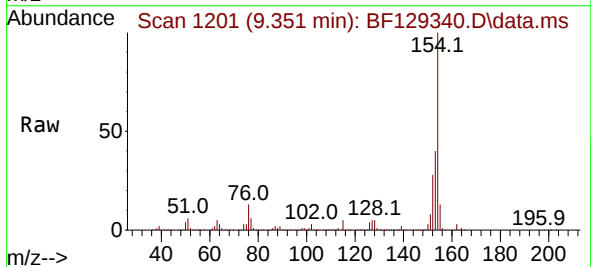
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

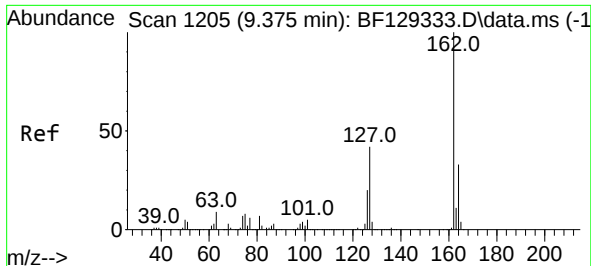
Tgt Ion:172 Resp: 2963719  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.8 43.2  
170 24.5 19.8 29.8



#46  
1,1'-Biphenyl  
Concen: 38.969 ng  
RT: 9.351 min Scan# 1201  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:154 Resp: 1842601  
Ion Ratio Lower Upper  
154 100  
153 39.9 20.6 60.6  
76 12.5 0.0 33.3

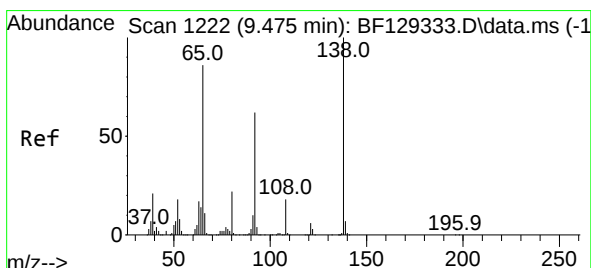
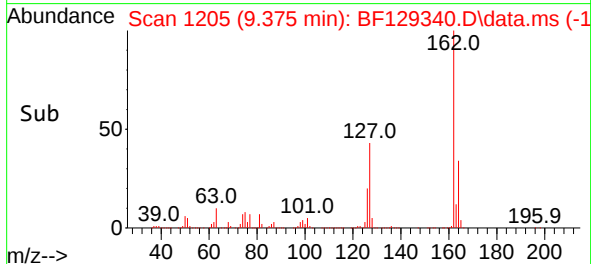
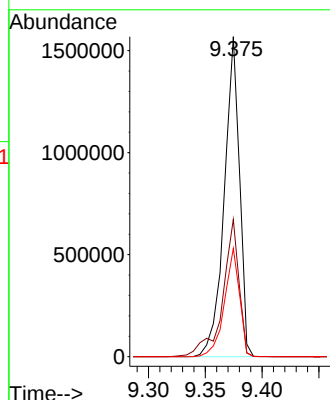
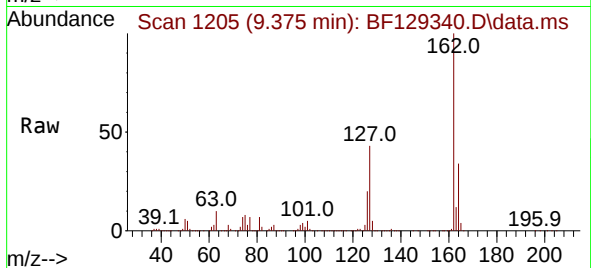




#47  
2-Chloronaphthalene  
Concen: 38.378 ng  
RT: 9.375 min Scan# 1205  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

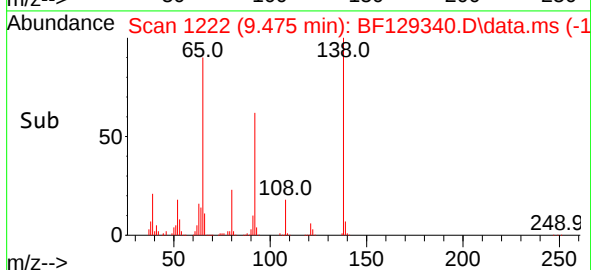
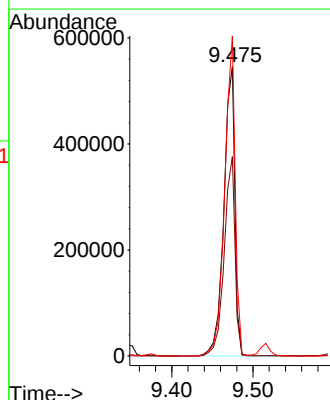
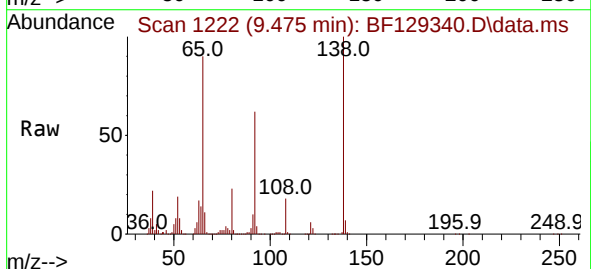
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

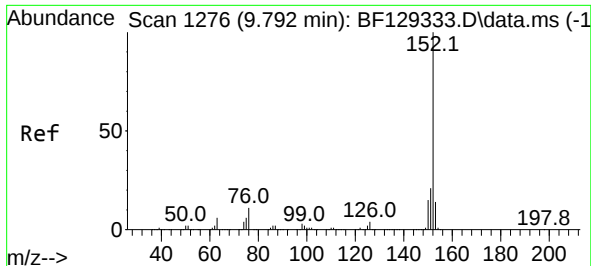
Tgt Ion:162 Resp: 1466986  
Ion Ratio Lower Upper  
162 100  
127 42.9 34.5 51.7  
164 33.9 26.5 39.7



#48  
2-Nitroaniline  
Concen: 40.502 ng  
RT: 9.475 min Scan# 1222  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion: 65 Resp: 514794  
Ion Ratio Lower Upper  
65 100  
92 68.9 51.9 77.9  
138 110.6 76.4 114.6





#49

Acenaphthylene

Concen: 38.546 ng

RT: 9.792 min Scan# 1276

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

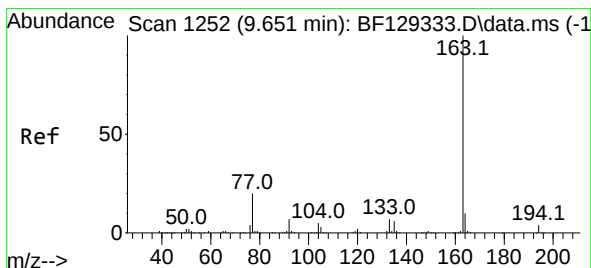
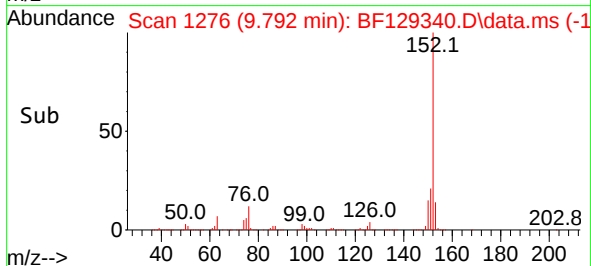
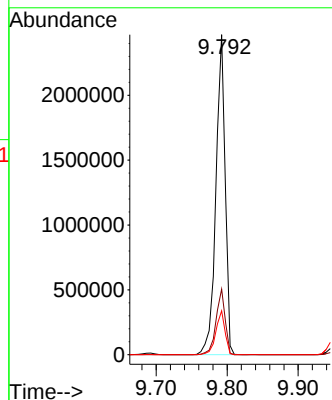
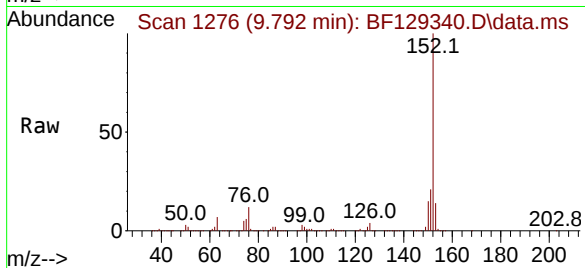
Tgt Ion:152 Resp: 2238799

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.7 10.7 16.1



#50

Dimethylphthalate

Concen: 39.199 ng

RT: 9.651 min Scan# 1252

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

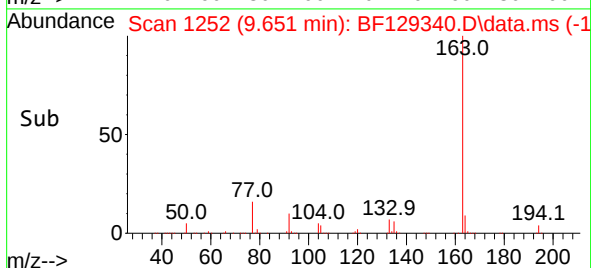
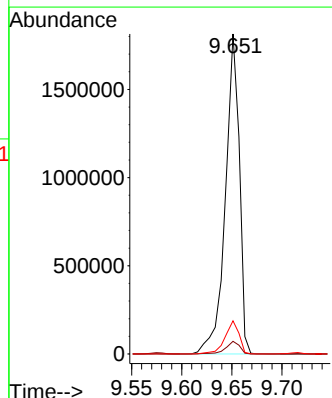
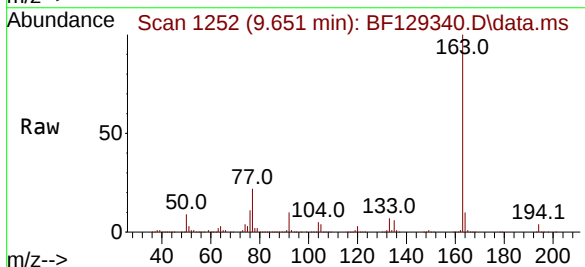
Tgt Ion:163 Resp: 1753243

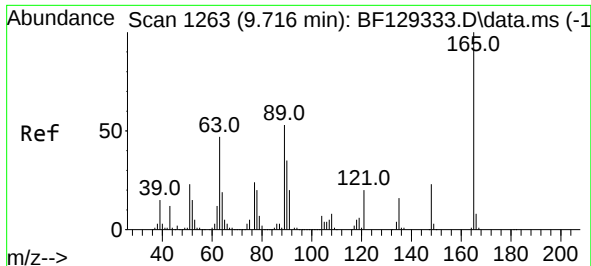
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 40.792 ng

RT: 9.716 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

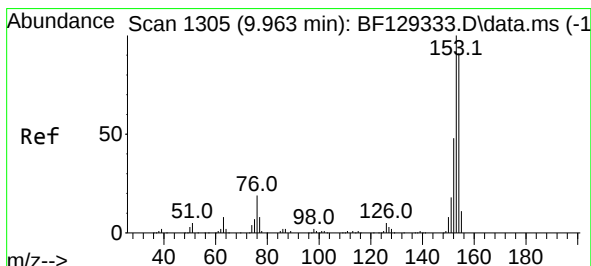
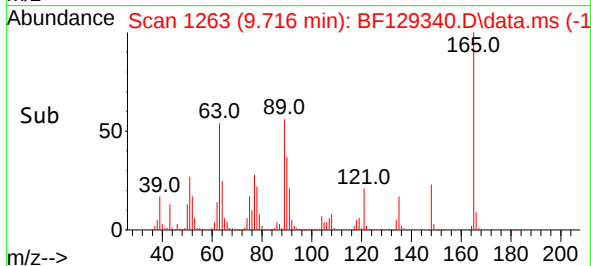
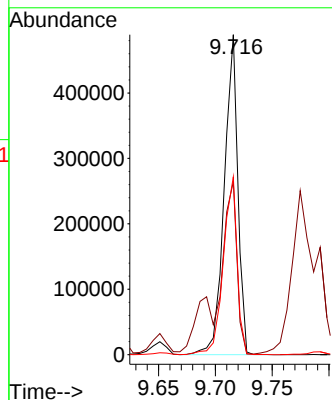
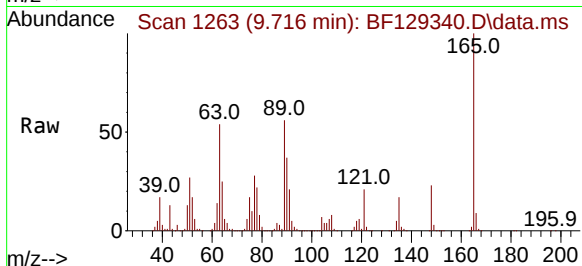
Tgt Ion:165 Resp: 408359

Ion Ratio Lower Upper

165 100

63 54.0 44.9 67.3

89 55.6 43.6 65.4



#52

Acenaphthene

Concen: 35.882 ng

RT: 9.963 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

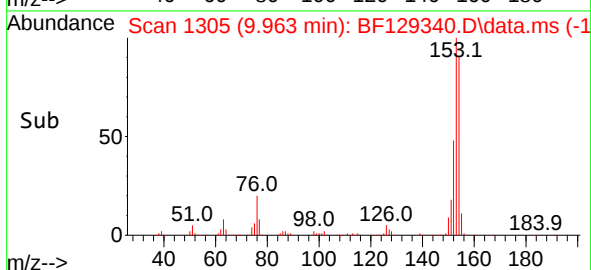
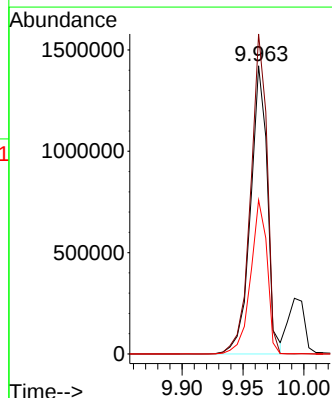
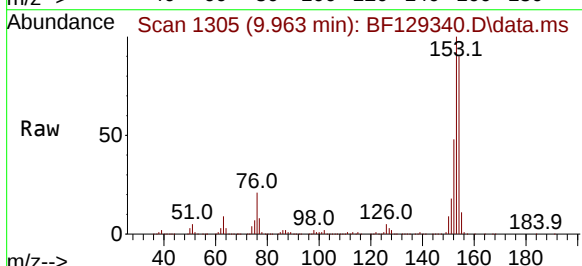
Tgt Ion:154 Resp: 1361222

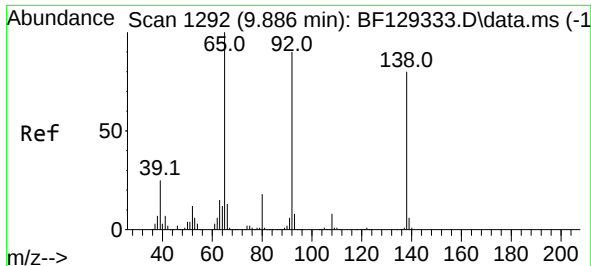
Ion Ratio Lower Upper

154 100

153 111.1 89.6 134.4

152 53.4 42.4 63.6

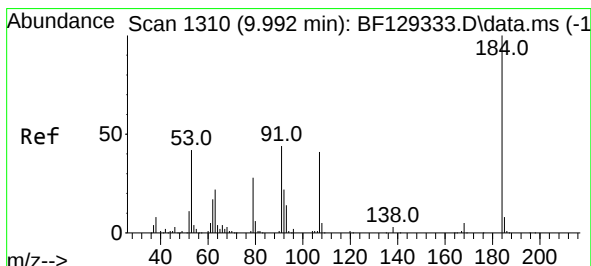
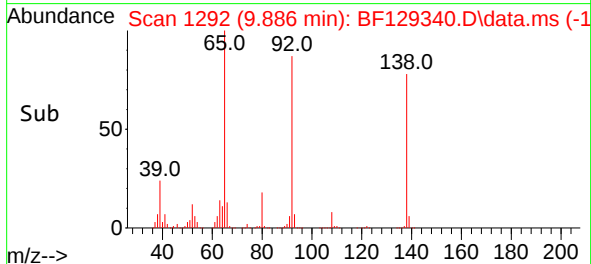
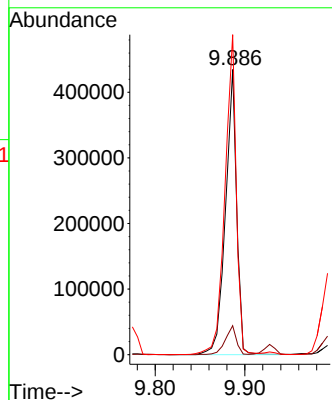
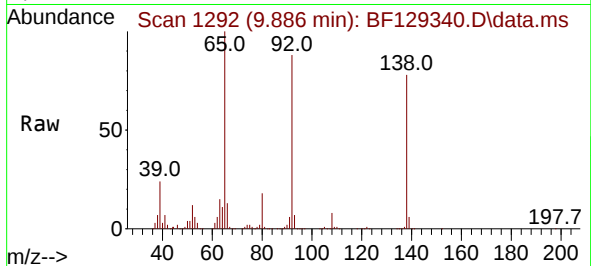




#53  
3-Nitroaniline  
Concen: 31.816 ng  
RT: 9.886 min Scan# 1292  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

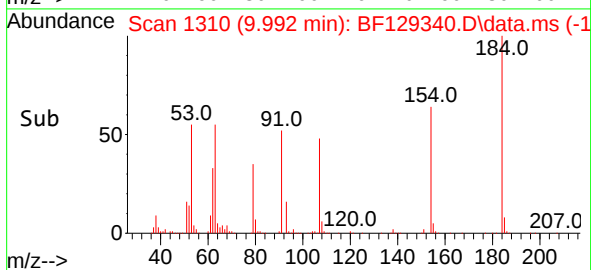
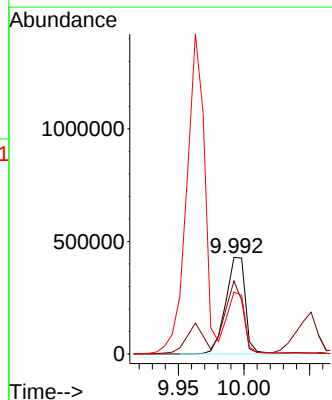
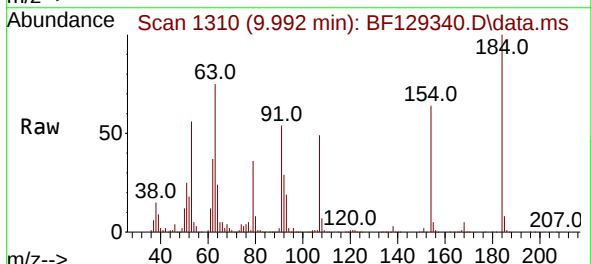
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

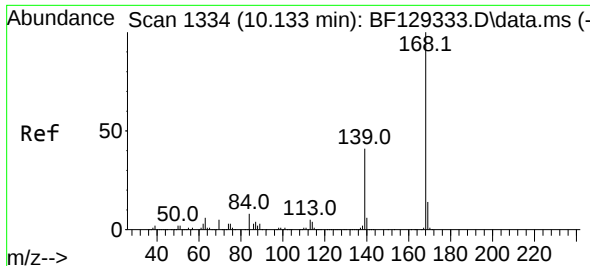
Tgt Ion:138 Resp: 376096  
Ion Ratio Lower Upper  
138 100  
108 10.2 10.9 16.3#  
92 112.2 98.2 147.2



#54  
2,4-Dinitrophenol  
Concen: 87.778 ng  
RT: 9.992 min Scan# 1310  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:184 Resp: 448585  
Ion Ratio Lower Upper  
184 100  
63 75.5 64.5 96.7  
154 64.1 50.6 75.8

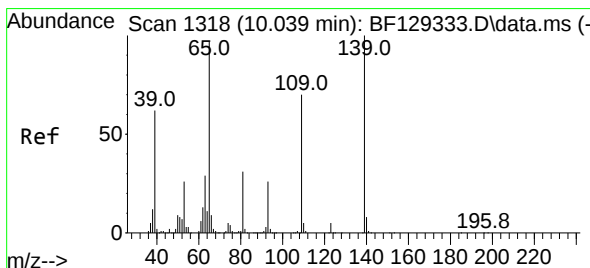
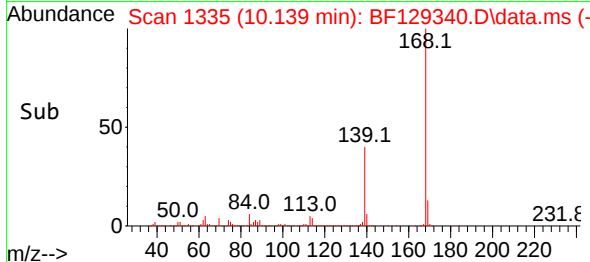
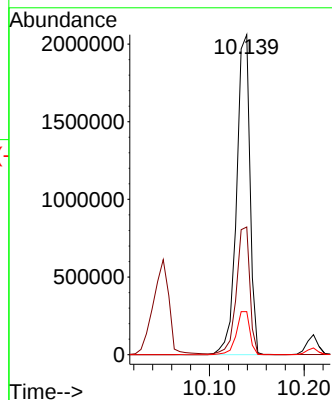
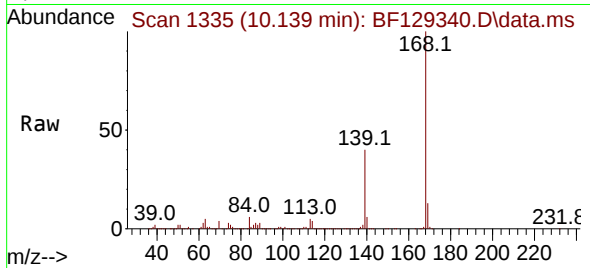




#55  
Dibenzenofuran  
Concen: 38.433 ng  
RT: 10.139 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

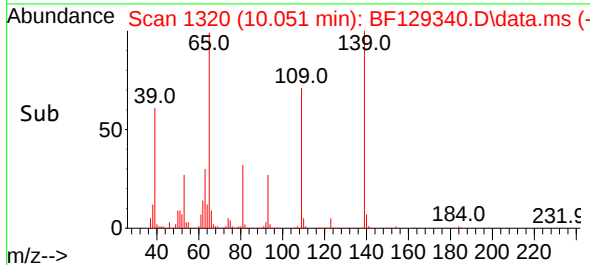
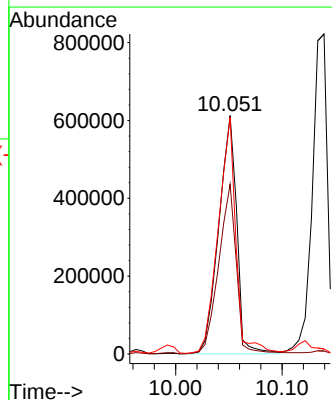
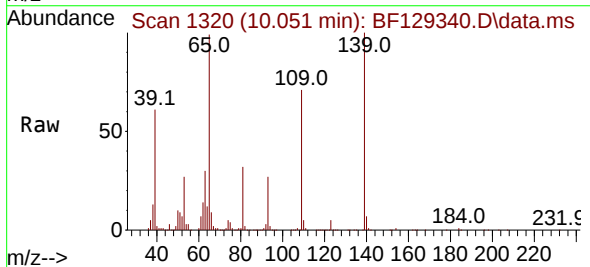
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

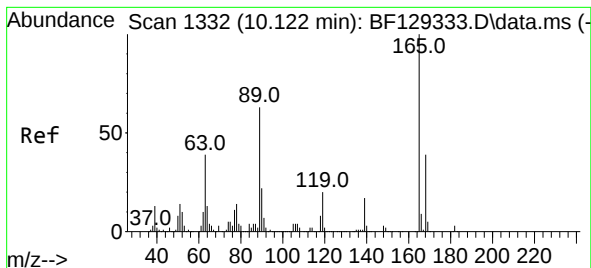
Tgt Ion:168 Resp: 2009883  
Ion Ratio Lower Upper  
168 100  
139 39.9 30.6 46.0  
169 13.5 11.0 16.6



#56  
4-Nitrophenol  
Concen: 82.120 ng  
RT: 10.051 min Scan# 1320  
Delta R.T. 0.012 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:139 Resp: 716171  
Ion Ratio Lower Upper  
139 100  
109 71.2 50.7 90.7  
65 99.3 74.5 114.5

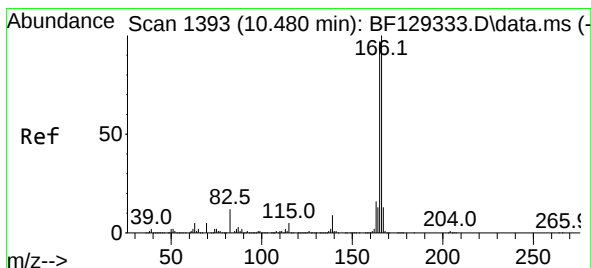
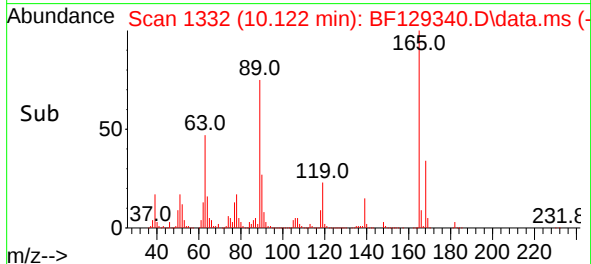
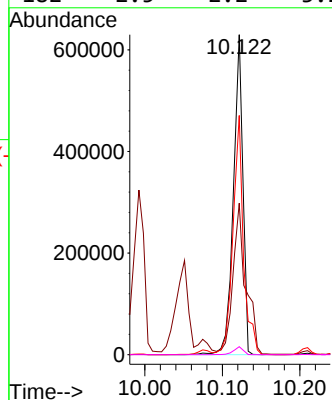
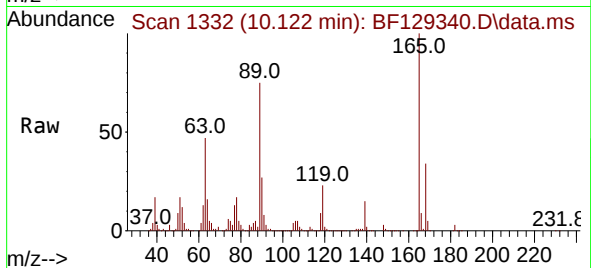




#57  
2,4-Dinitrotoluene  
Concen: 41.171 ng  
RT: 10.122 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

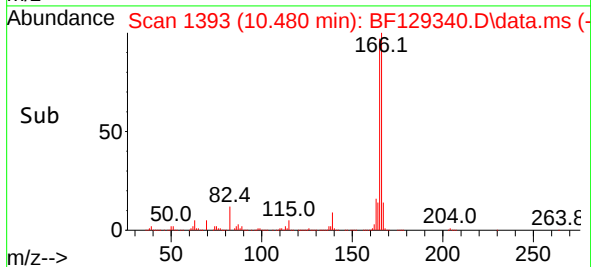
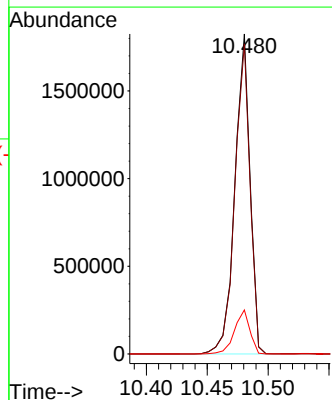
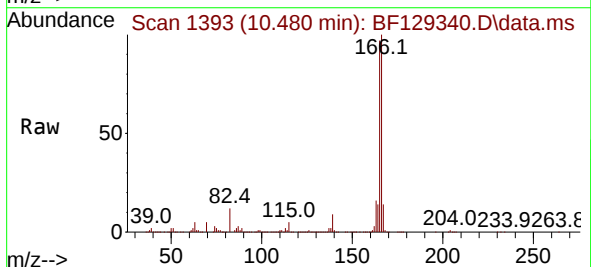
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

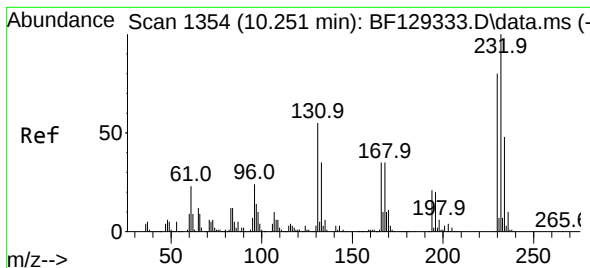
Tgt Ion:165 Resp: 538419  
Ion Ratio Lower Upper  
165 100  
63 47.4 39.8 59.6  
89 74.7 60.2 90.2  
182 2.5 2.2 3.2



#58  
Fluorene  
Concen: 37.747 ng  
RT: 10.480 min Scan# 1393  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:166 Resp: 1579444  
Ion Ratio Lower Upper  
166 100  
165 96.9 78.1 117.1  
167 13.7 10.5 15.7

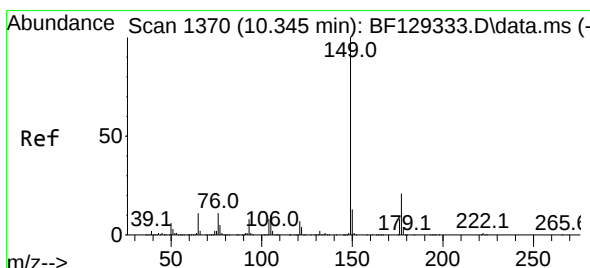
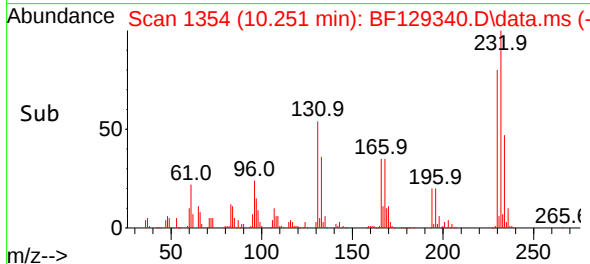
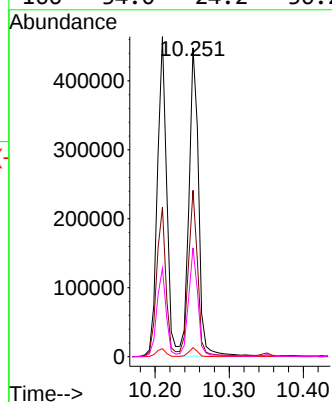
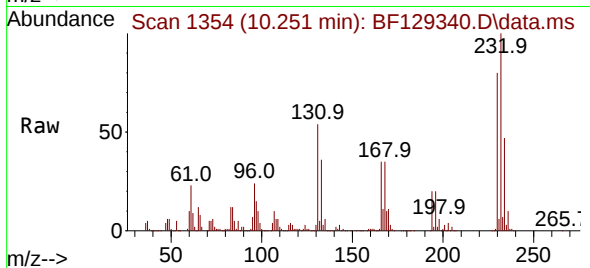




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.896 ng  
RT: 10.251 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

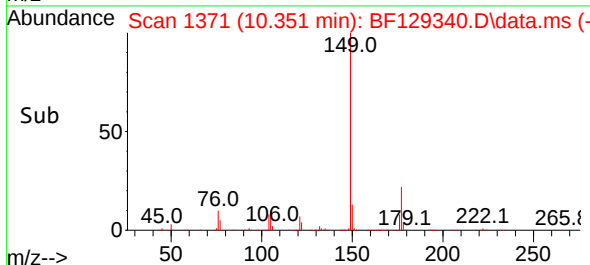
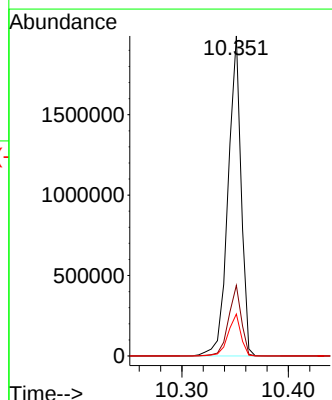
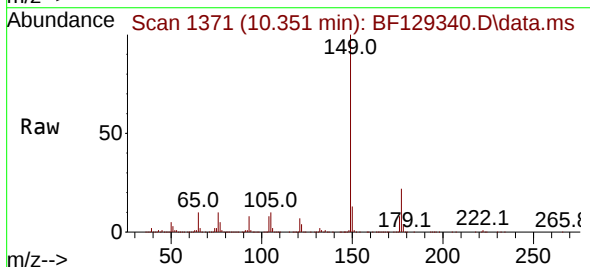
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

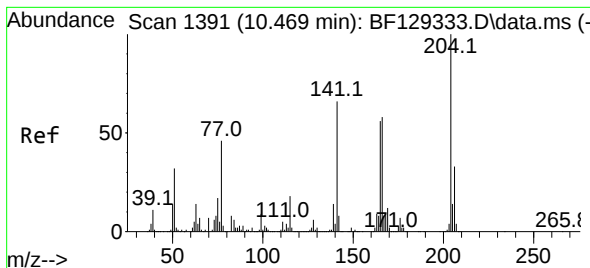
Tgt Ion:232 Resp: 403901  
Ion Ratio Lower Upper  
232 100  
131 51.5 36.1 54.1  
130 2.7 1.8 2.8  
166 34.0 24.2 36.2



#60  
Diethylphthalate  
Concen: 38.834 ng  
RT: 10.351 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:149 Resp: 1679071  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.3 25.9  
150 13.1 10.2 15.2

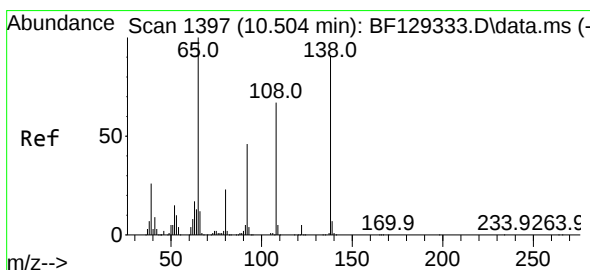
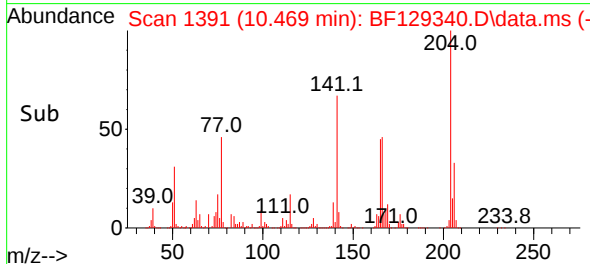
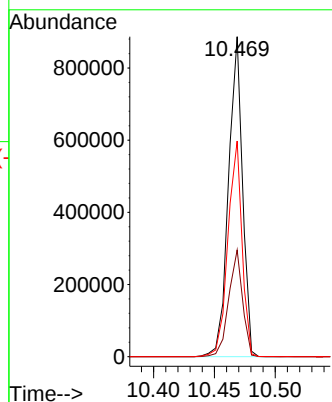
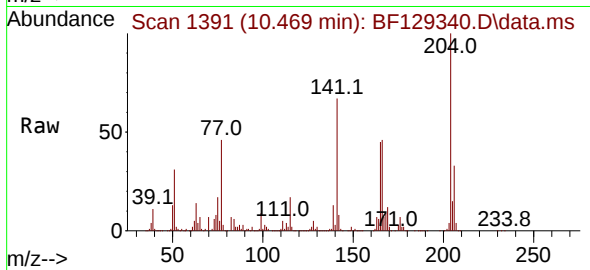




#61  
4-Chlorophenyl-phenylether  
Concen: 38.645 ng  
RT: 10.469 min Scan# 1391  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

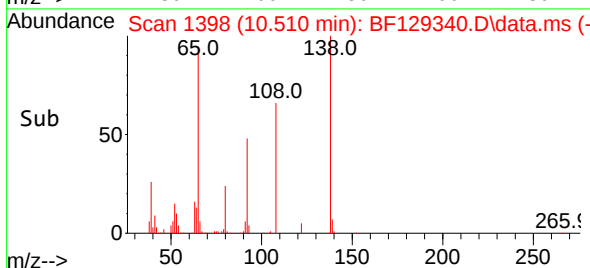
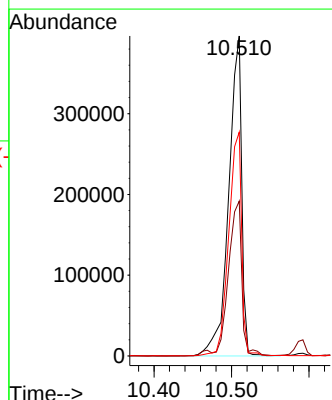
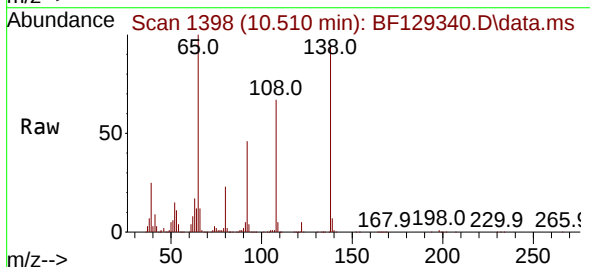
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

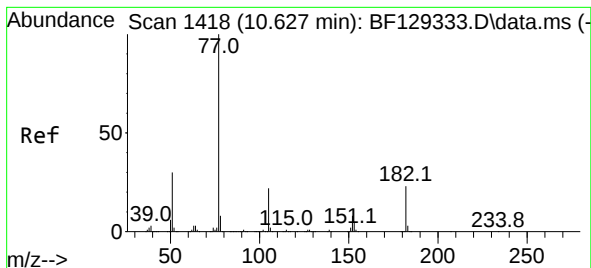
Tgt Ion:204 Resp: 712862  
Ion Ratio Lower Upper  
204 100  
206 33.4 25.8 38.6  
141 67.4 47.0 70.4



#62  
4-Nitroaniline  
Concen: 39.405 ng  
RT: 10.510 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:138 Resp: 462087  
Ion Ratio Lower Upper  
138 100  
92 48.4 33.5 73.5  
108 70.0 61.0 101.0





#63

Azobenzene

Concen: 38.658 ng

RT: 10.628 min Scan# 1418

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

Tgt Ion: 77 Resp: 1704809

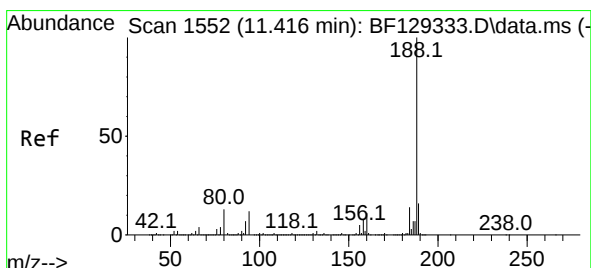
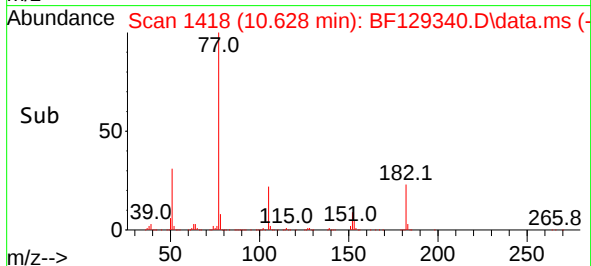
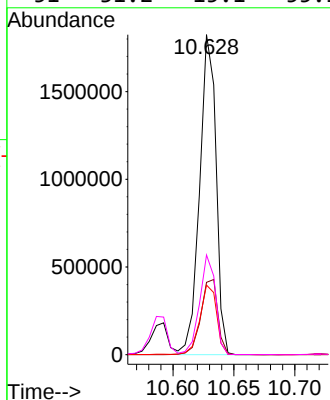
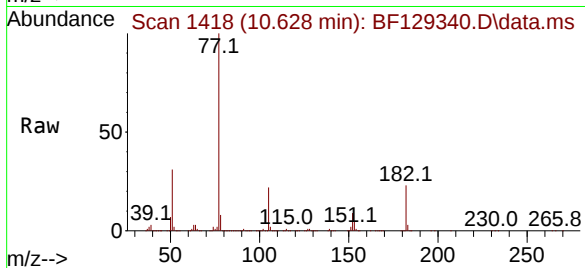
Ion Ratio Lower Upper

77 100

182 22.6 5.6 45.6

105 21.8 1.6 41.6

51 31.2 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: BF129340.D

Acq: 25 Jul 2022 19:31

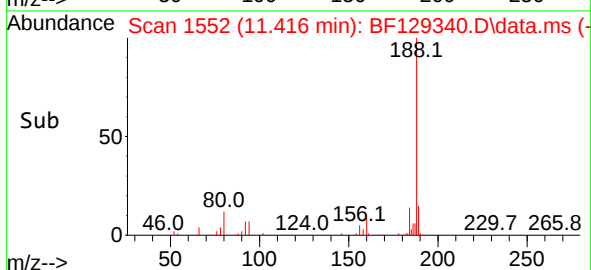
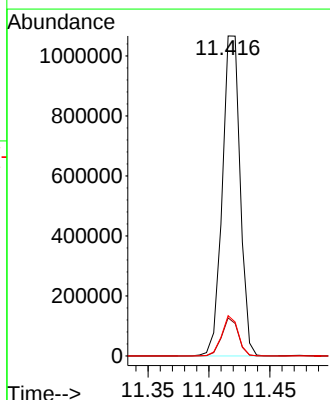
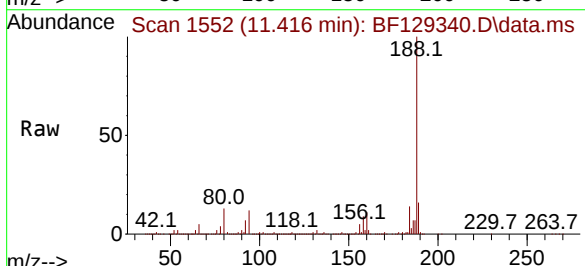
Tgt Ion: 188 Resp: 1091293

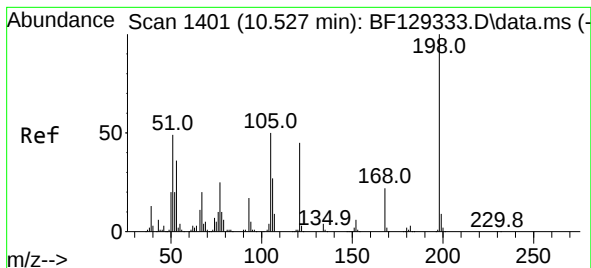
Ion Ratio Lower Upper

188 100

94 11.9 7.0 10.6#

80 12.6 7.6 11.4#

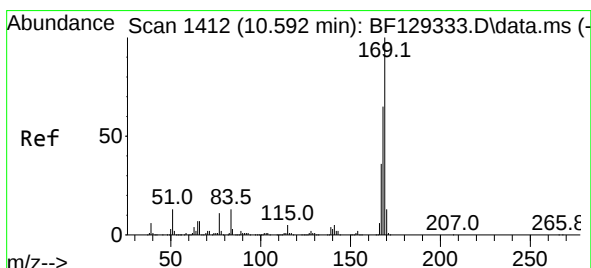
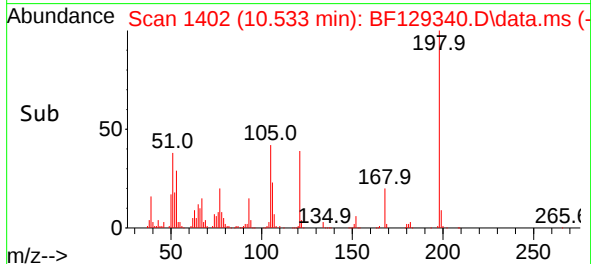
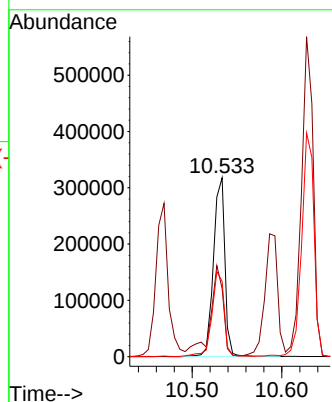
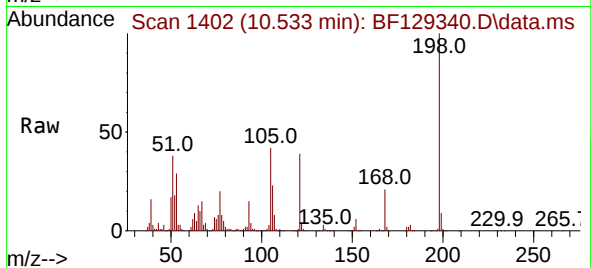




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.990 ng  
RT: 10.533 min Scan# 1402  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

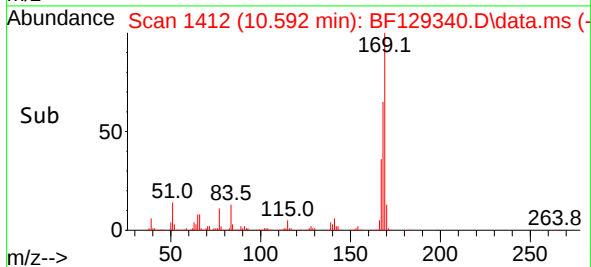
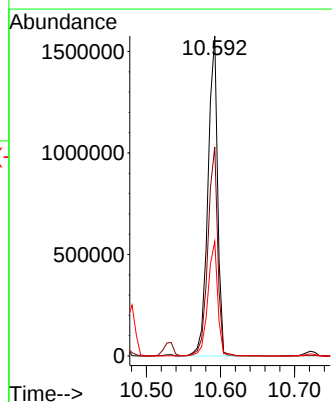
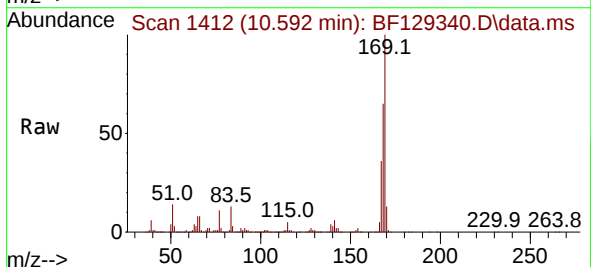
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

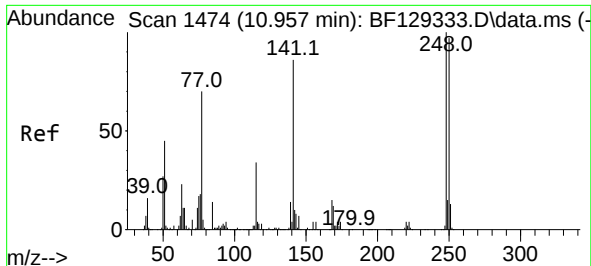
Tgt Ion:198 Resp: 282341  
Ion Ratio Lower Upper  
198 100  
51 38.2 37.6 77.6  
105 42.2 27.0 67.0



#66  
n-Nitrosodiphenylamine  
Concen: 39.355 ng  
RT: 10.592 min Scan# 1412  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:169 Resp: 1430284  
Ion Ratio Lower Upper  
169 100  
168 65.3 50.1 75.1  
167 35.8 27.9 41.9

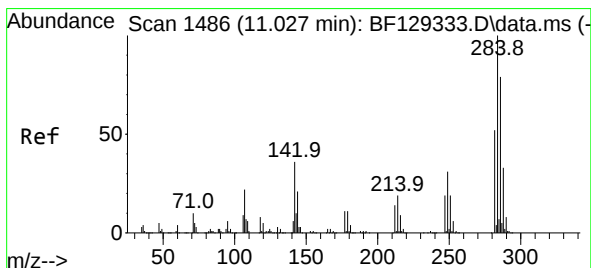
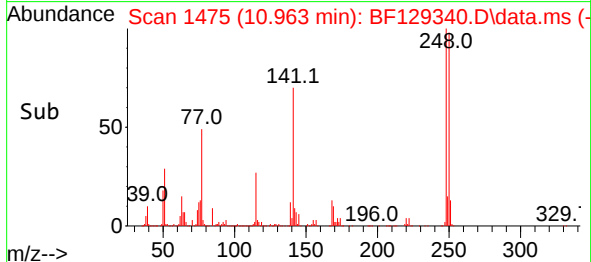
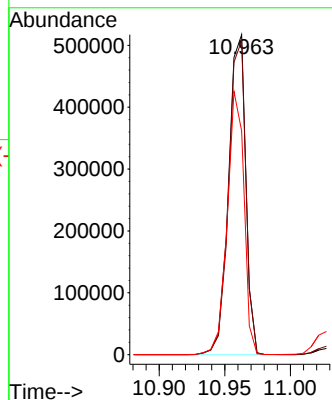
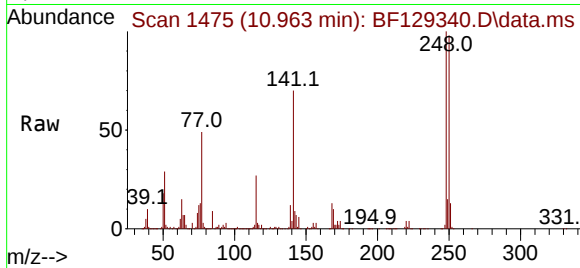




#67  
4-Bromophenyl-phenylether  
Concen: 39.487 ng  
RT: 10.963 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

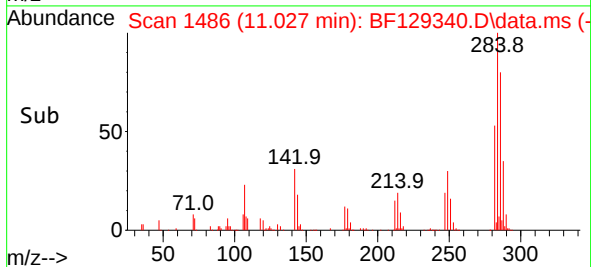
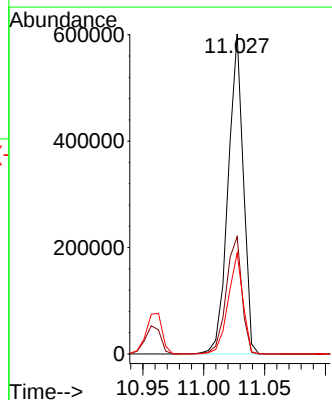
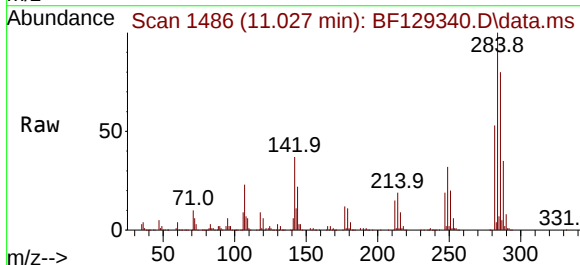
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

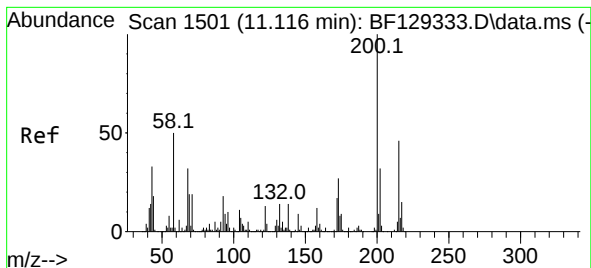
Tgt Ion:248 Resp: 471866  
Ion Ratio Lower Upper  
248 100  
250 98.1 80.6 120.8  
141 69.9 58.9 88.3



#68  
Hexachlorobenzene  
Concen: 40.312 ng  
RT: 11.027 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:284 Resp: 521966  
Ion Ratio Lower Upper  
284 100  
142 36.7 29.0 43.4  
249 31.6 25.0 37.6





#69

Atrazine

Concen: 43.669 ng

RT: 11.116 min Scan# 1501

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

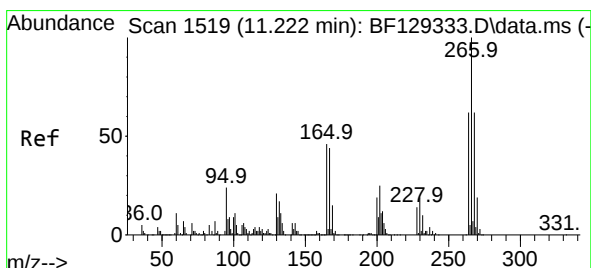
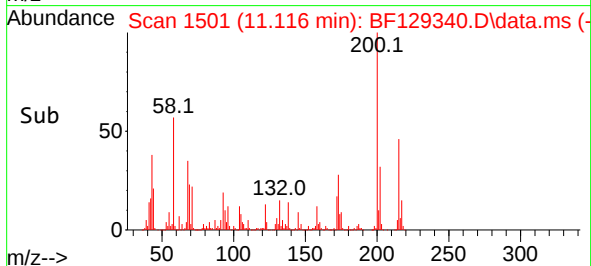
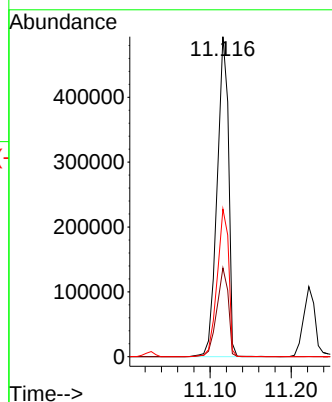
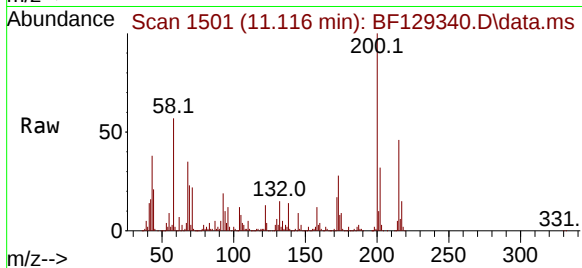
Tgt Ion:200 Resp: 482054

Ion Ratio Lower Upper

200 100

173 27.8 6.3 46.3

215 46.1 28.3 68.3



#70

Pentachlorophenol

Concen: 80.852 ng

RT: 11.222 min Scan# 1519

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

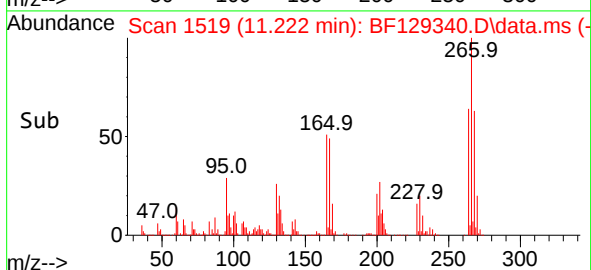
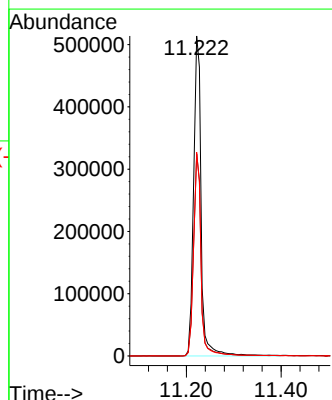
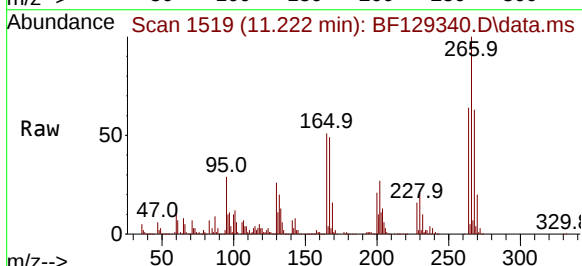
Tgt Ion:266 Resp: 569117

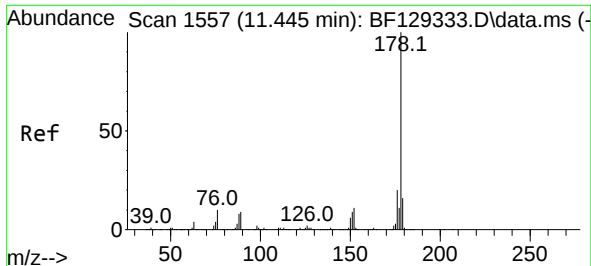
Ion Ratio Lower Upper

266 100

268 63.1 51.0 76.4

264 63.7 49.4 74.2

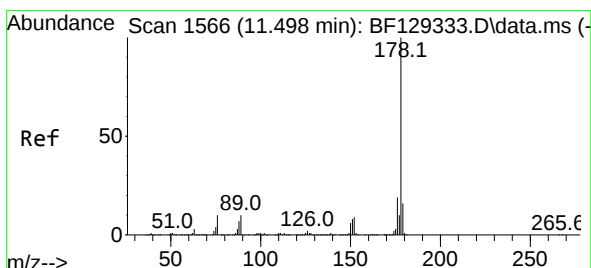
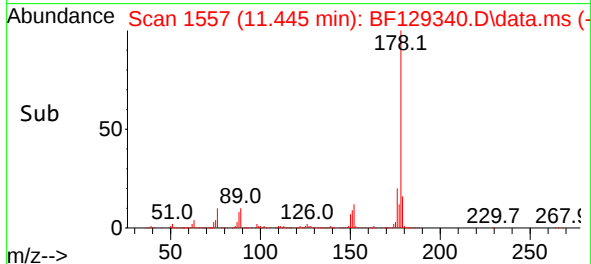
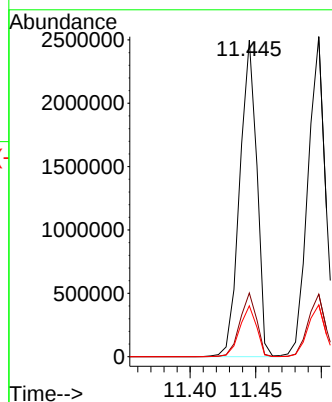
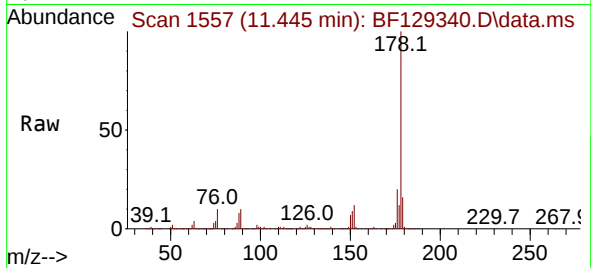




#71  
Phenanthrene  
Concen: 38.138 ng  
RT: 11.445 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

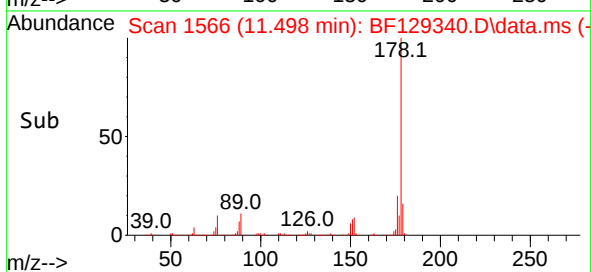
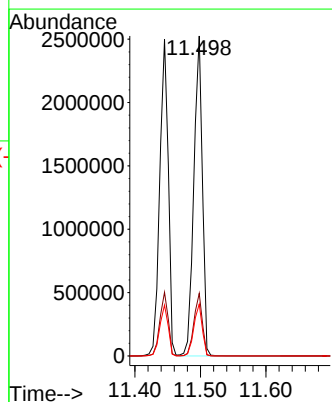
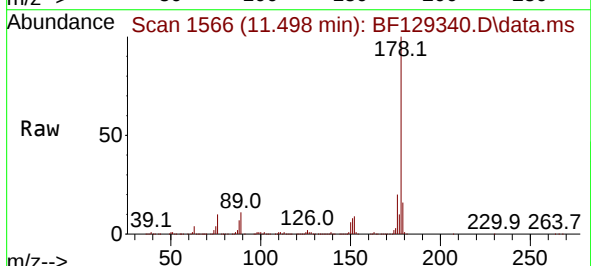
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

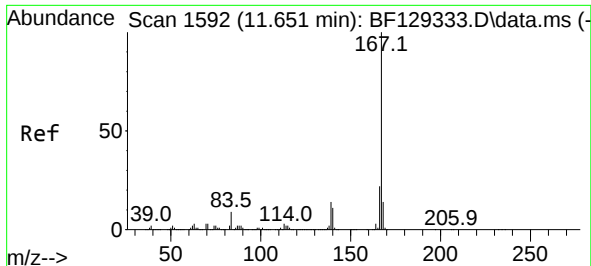
Tgt Ion:178 Resp: 2271925  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.0 24.0  
179 16.1 12.6 19.0



#72  
Anthracene  
Concen: 39.099 ng  
RT: 11.498 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:178 Resp: 2288853  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.4 23.2  
179 16.2 12.6 19.0

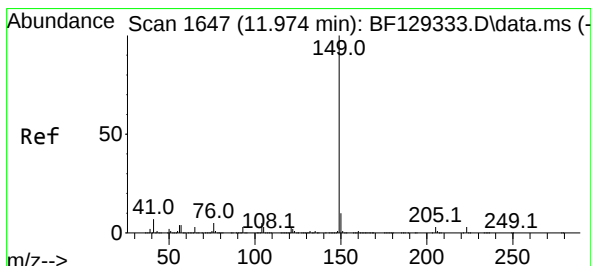
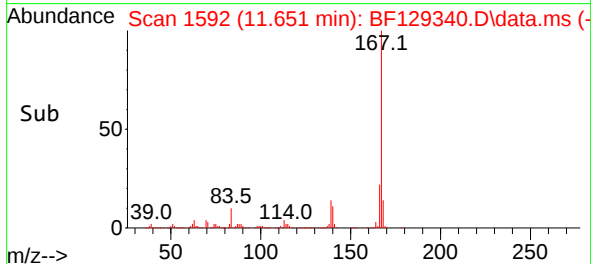
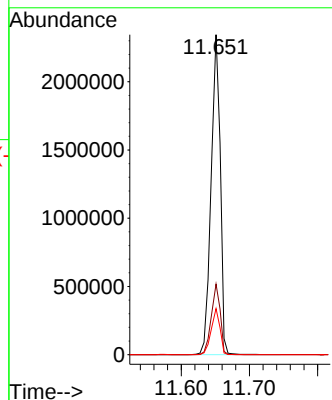
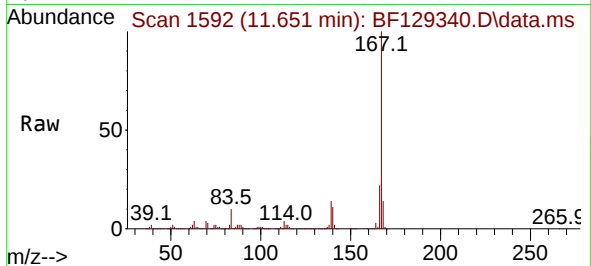




#73  
 Carbazole  
 Concen: 39.783 ng  
 RT: 11.651 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

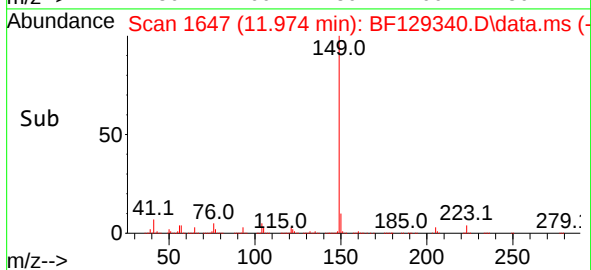
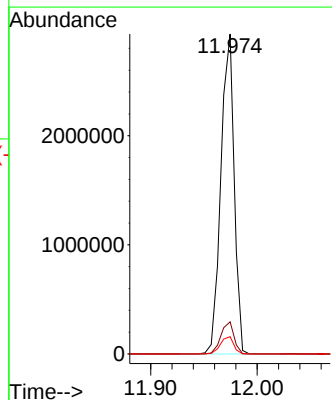
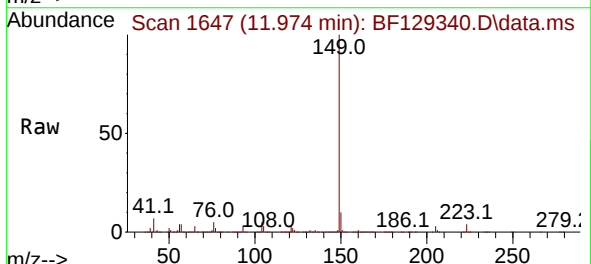
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB146401BS

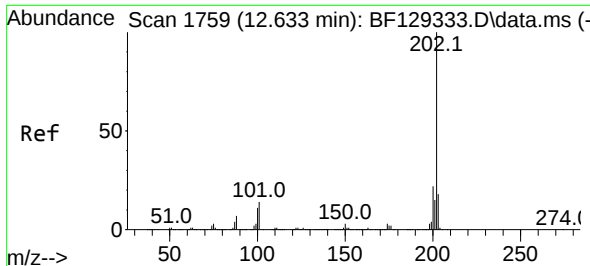
Tgt Ion:167 Resp: 2192348  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.7 26.5  
 139 14.4 11.2 16.8



#74  
 Di-n-butylphthalate  
 Concen: 38.640 ng  
 RT: 11.974 min Scan# 1647  
 Delta R.T. 0.000 min  
 Lab File: BF129340.D  
 Acq: 25 Jul 2022 19:31

Tgt Ion:149 Resp: 2535787  
 Ion Ratio Lower Upper  
 149 100  
 150 10.1 7.5 11.3  
 104 5.4 4.4 6.6

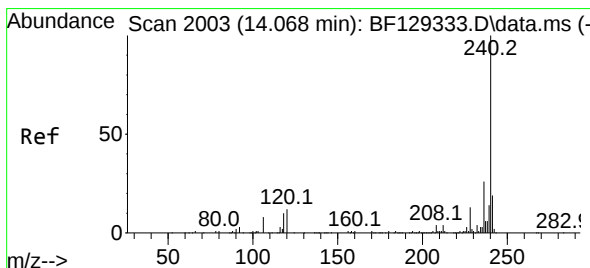
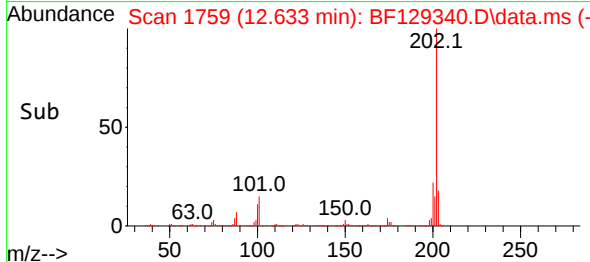
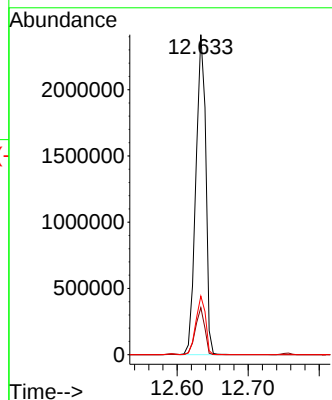
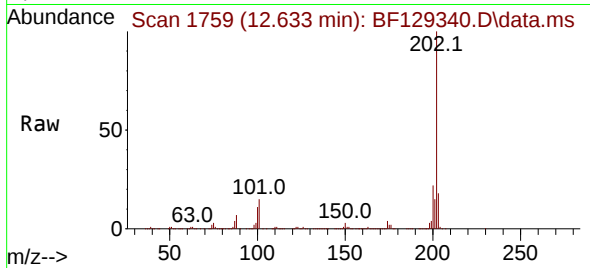




#75  
Fluoranthene  
Concen: 38.782 ng  
RT: 12.633 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

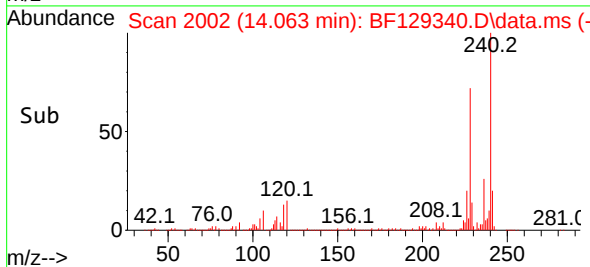
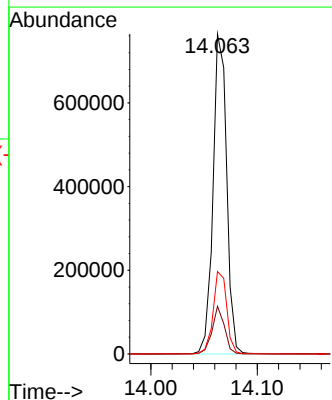
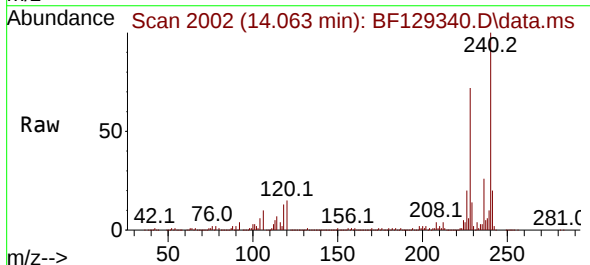
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

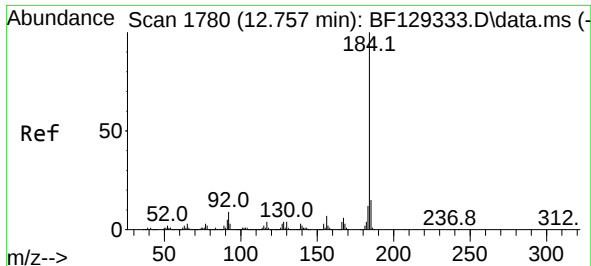
Tgt Ion:202 Resp: 2340832  
Ion Ratio Lower Upper  
202 100  
101 14.7 0.0 31.4  
203 18.3 0.0 38.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.063 min Scan# 2002  
Delta R.T. -0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:240 Resp: 680130  
Ion Ratio Lower Upper  
240 100  
120 14.9 8.9 13.3#  
236 25.7 20.8 31.2

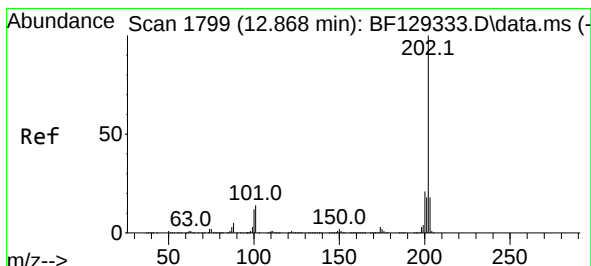
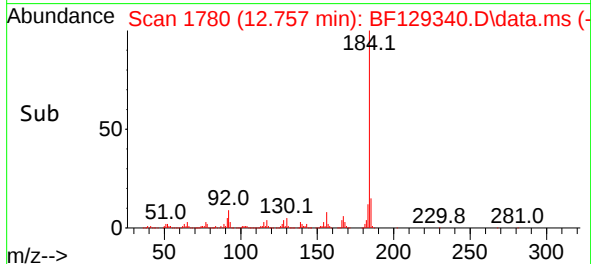
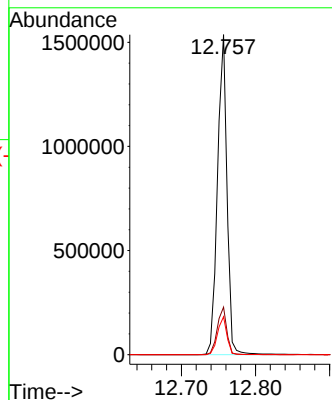
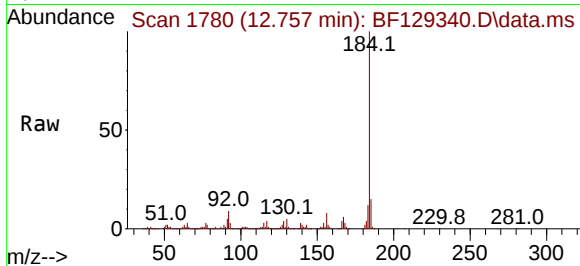




#77  
Benzidine  
Concen: 56.653 ng  
RT: 12.757 min Scan# 1780  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

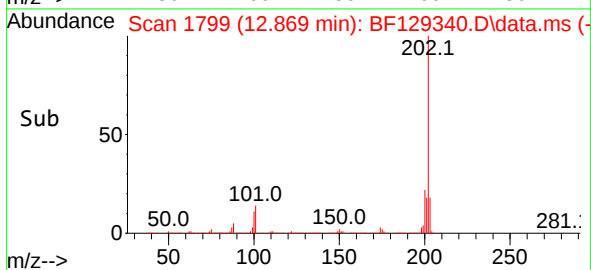
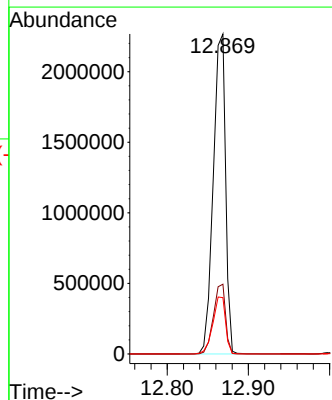
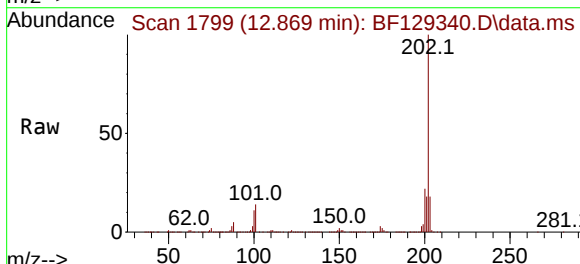
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

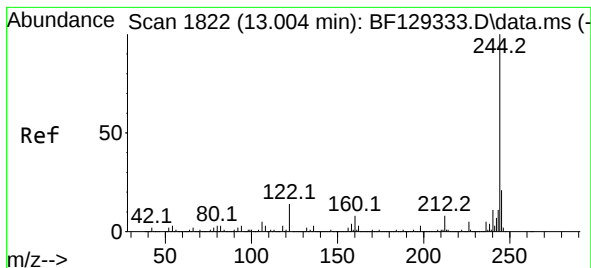
Tgt Ion:184 Resp: 1361209  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.9 17.9  
183 11.9 9.3 13.9



#78  
Pyrene  
Concen: 41.808 ng  
RT: 12.869 min Scan# 1799  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:202 Resp: 2377785  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.7 26.5  
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 87.645 ng

RT: 13.004 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

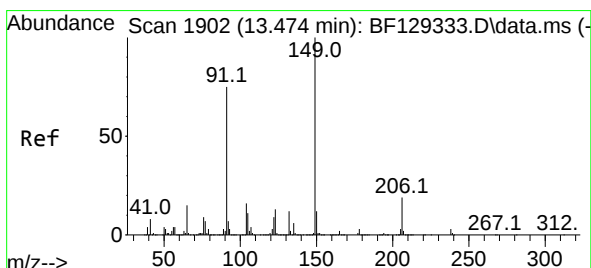
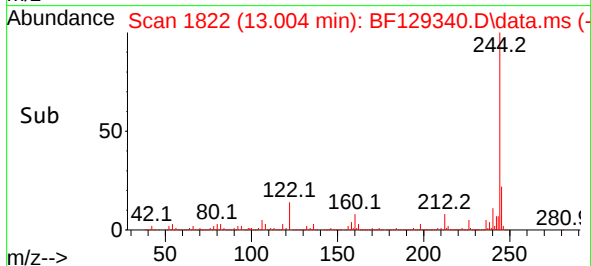
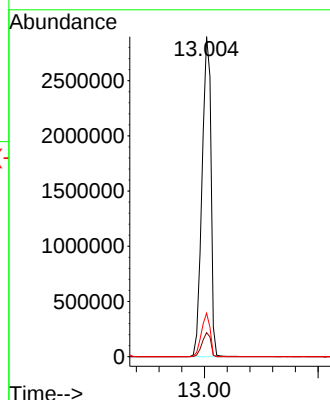
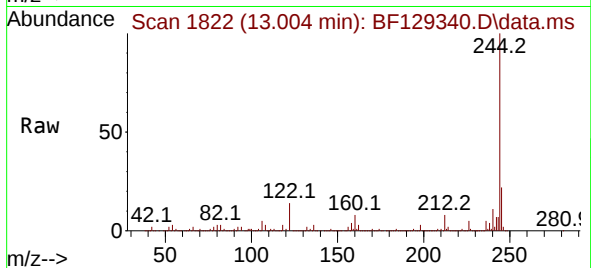
Tgt Ion:244 Resp: 3159667

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

122 13.6 8.8 13.2#



#80

Butylbenzylphthalate

Concen: 43.701 ng

RT: 13.474 min Scan# 1902

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

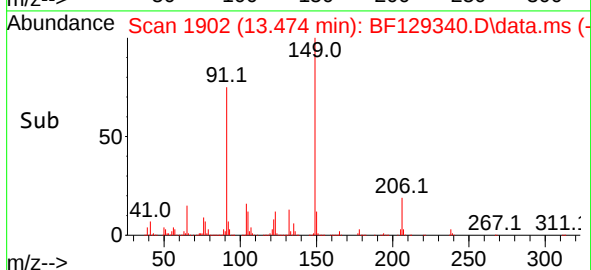
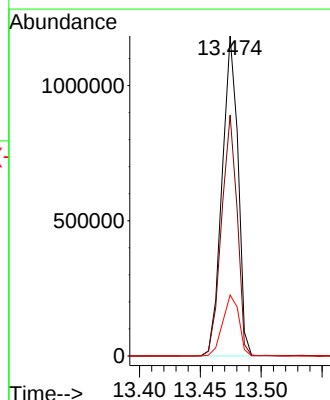
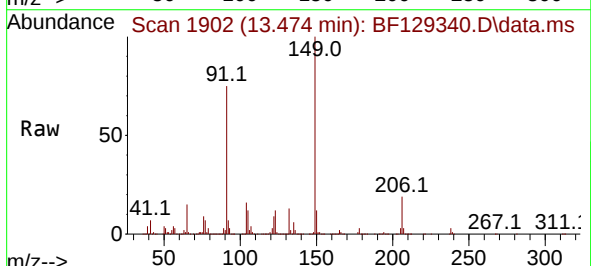
Tgt Ion:149 Resp: 1078067

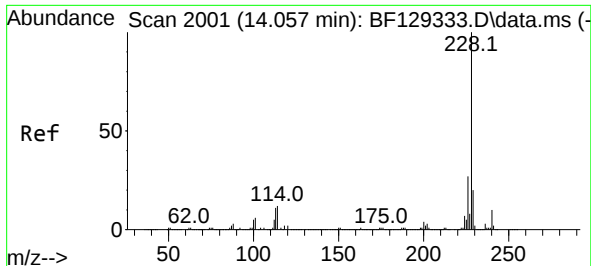
Ion Ratio Lower Upper

149 100

91 75.2 61.2 91.8

206 19.0 15.7 23.5

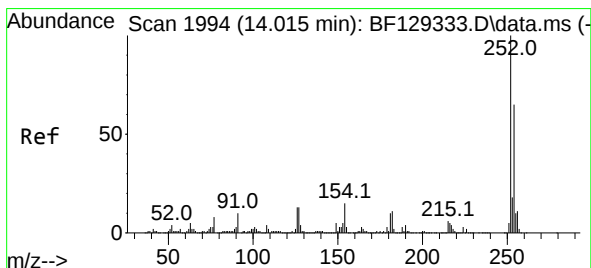
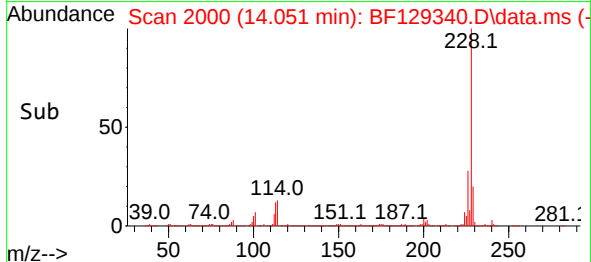
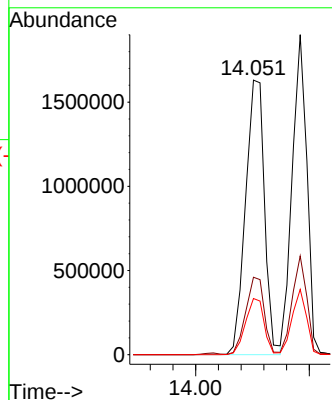
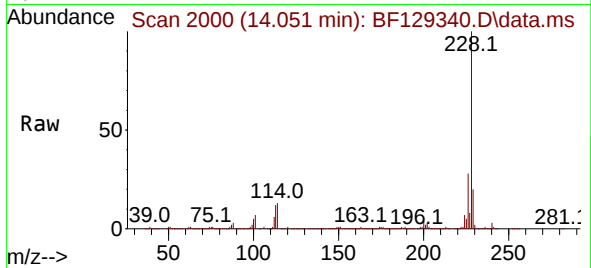




#81  
Benzo(a)anthracene  
Concen: 40.903 ng  
RT: 14.051 min Scan# 2001  
Delta R.T. -0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

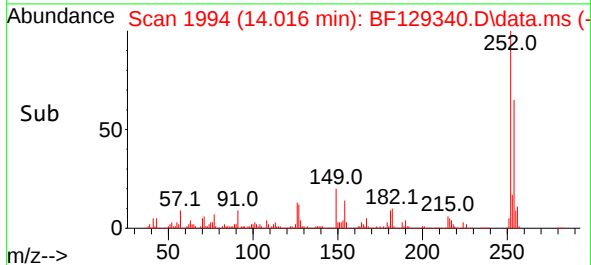
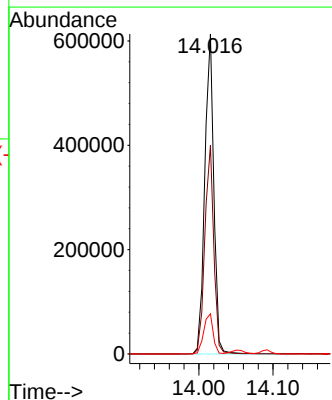
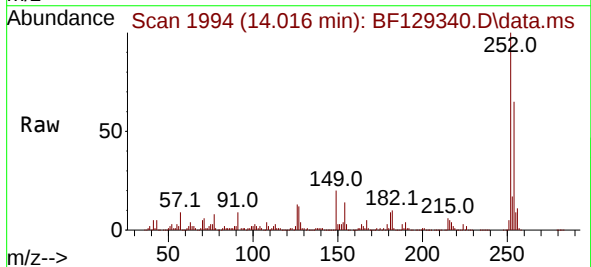
Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

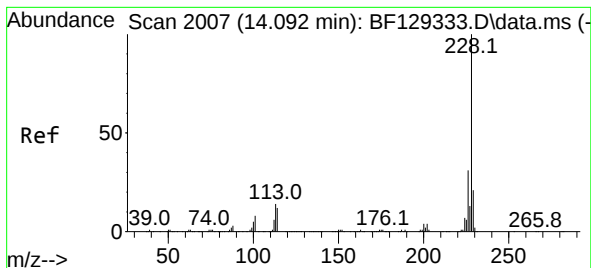
Tgt Ion:228 Resp: 1900329  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.1 33.1  
229 20.5 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 34.037 ng  
RT: 14.016 min Scan# 1994  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:252 Resp: 522106  
Ion Ratio Lower Upper  
252 100  
254 65.2 50.2 75.4  
126 12.6 8.2 12.4





#83

Chrysene

Concen: 39.075 ng

RT: 14.092 min Scan# 2007

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

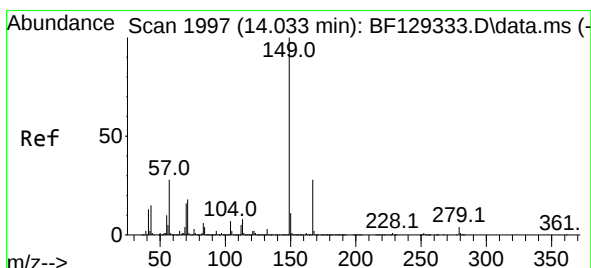
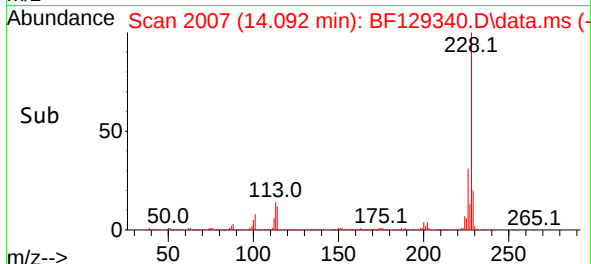
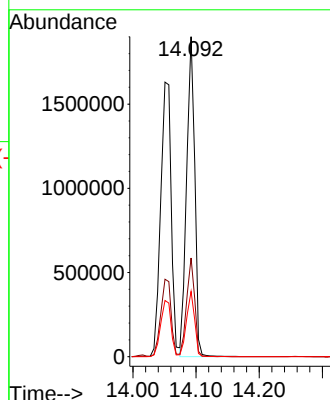
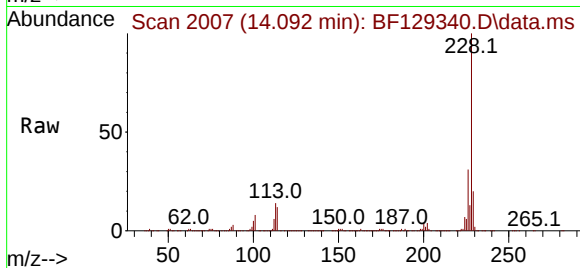
Tgt Ion:228 Resp: 1710945

Ion Ratio Lower Upper

228 100

226 30.9 24.3 36.5

229 20.4 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.491 ng

RT: 14.027 min Scan# 1996

Delta R.T. -0.006 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

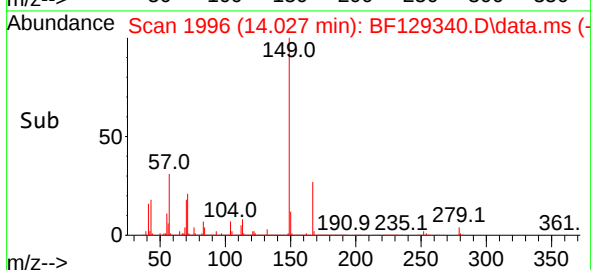
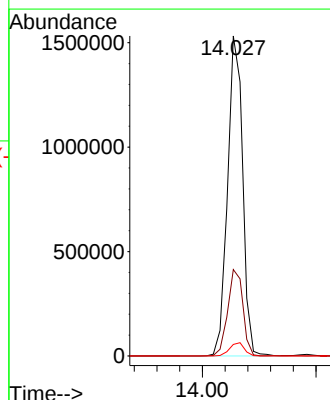
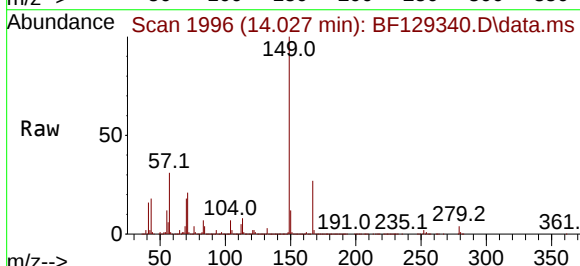
Tgt Ion:149 Resp: 1412490

Ion Ratio Lower Upper

149 100

167 27.0 21.0 31.4

279 3.6 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 43.020 ng

RT: 14.645 min Scan# 2101

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

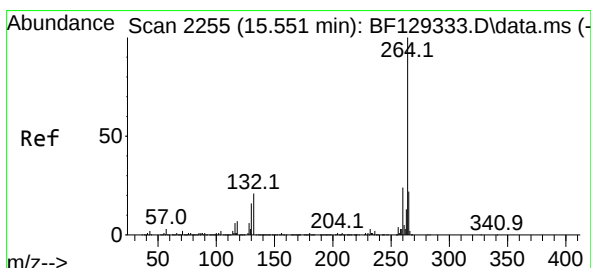
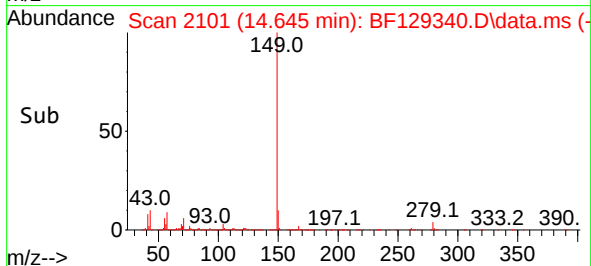
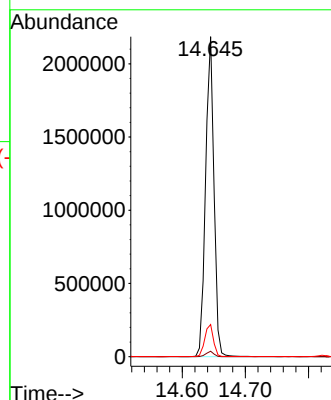
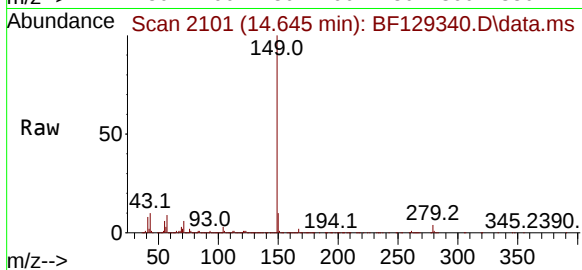
Tgt Ion:149 Resp: 2010600

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 10.4 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: BF129340.D

Acq: 25 Jul 2022 19:31

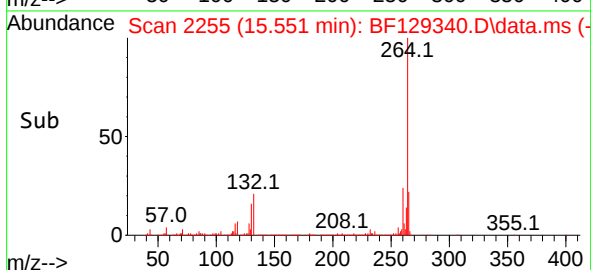
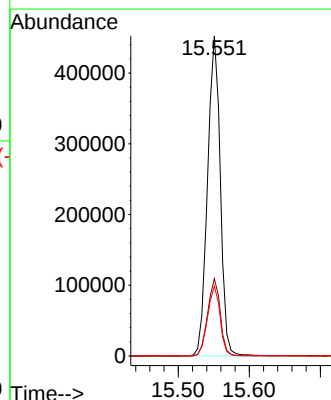
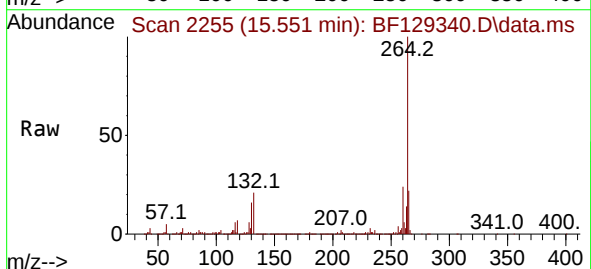
Tgt Ion:264 Resp: 565793

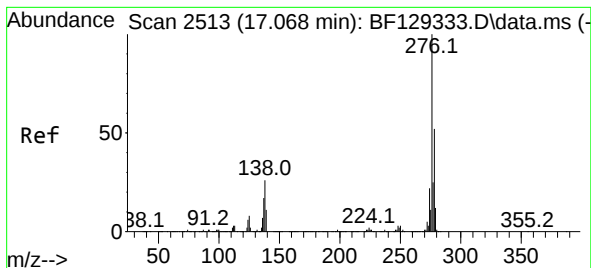
Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.666 ng

RT: 17.062 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

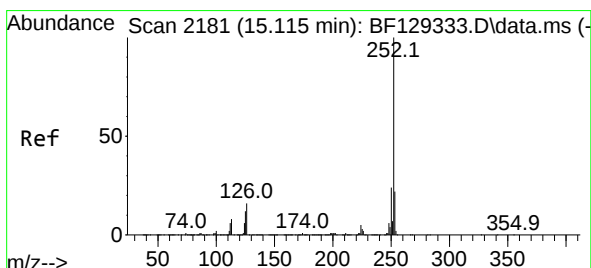
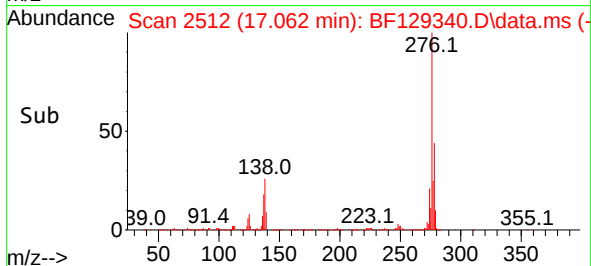
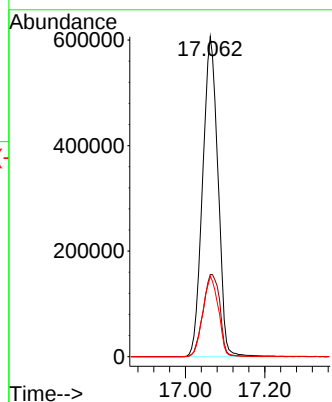
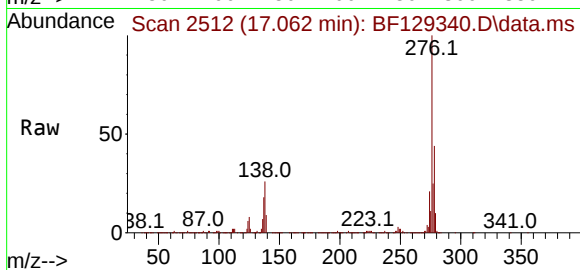
Tgt Ion:276 Resp: 1625607

Ion Ratio Lower Upper

276 100

138 28.3 21.1 31.7

277 25.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 43.095 ng

RT: 15.115 min Scan# 2181

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

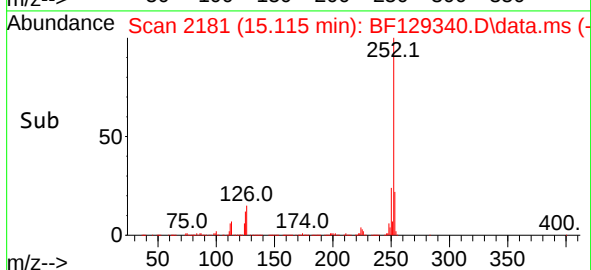
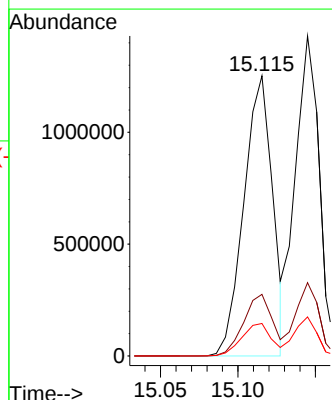
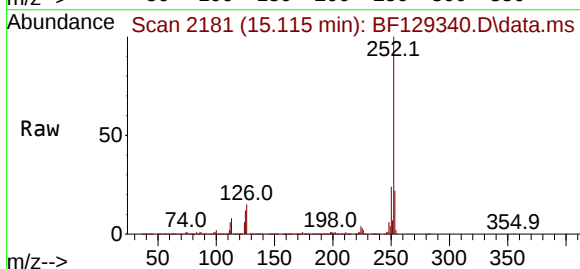
Tgt Ion:252 Resp: 1617384

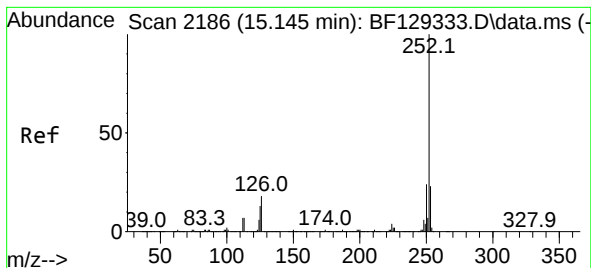
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 11.6 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 41.942 ng

RT: 15.145 min Scan# 2186

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

Instrument :

BNA\_F

ClientSampleId :

PB146401BS

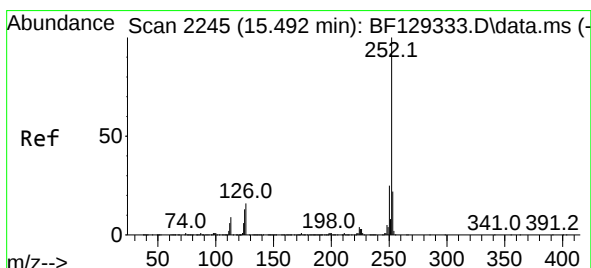
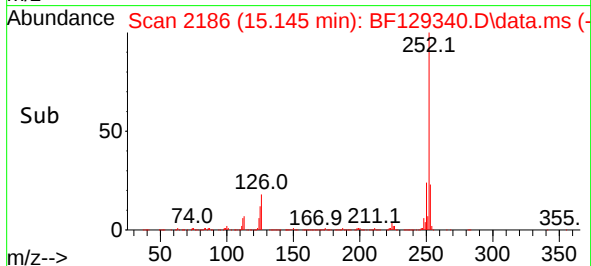
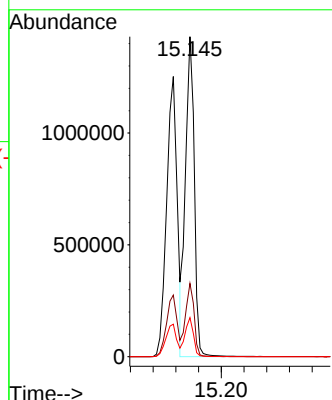
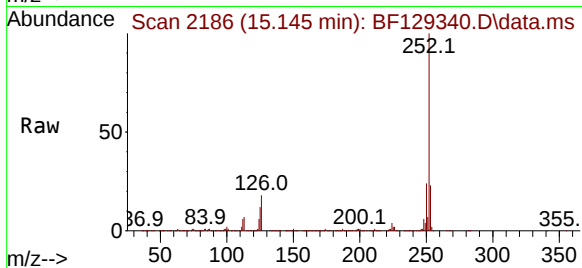
Tgt Ion:252 Resp: 1542585

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 12.2 8.3 12.5



#90

Benzo(a)pyrene

Concen: 45.264 ng

RT: 15.492 min Scan# 2245

Delta R.T. 0.000 min

Lab File: BF129340.D

Acq: 25 Jul 2022 19:31

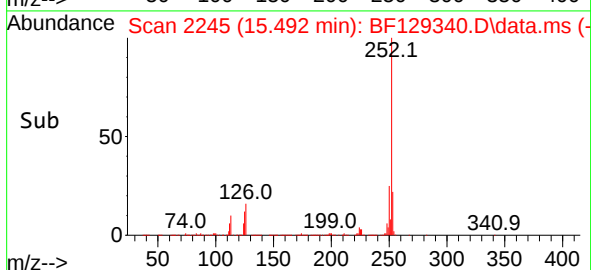
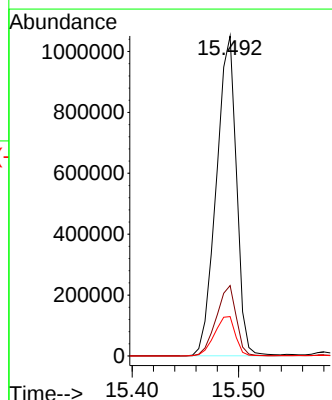
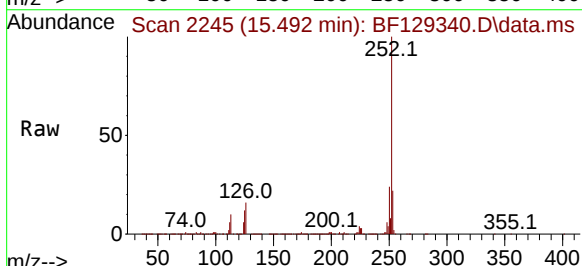
Tgt Ion:252 Resp: 1379026

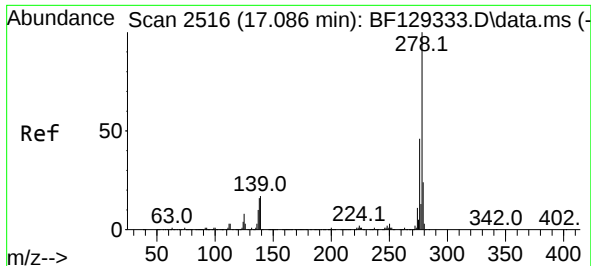
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 12.3 8.8 13.2



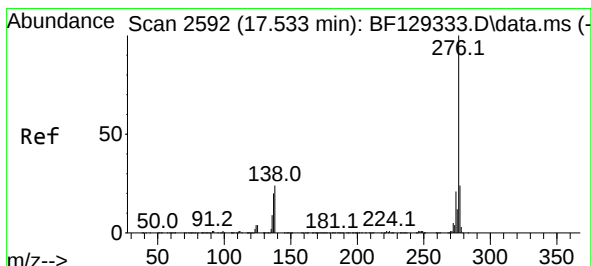
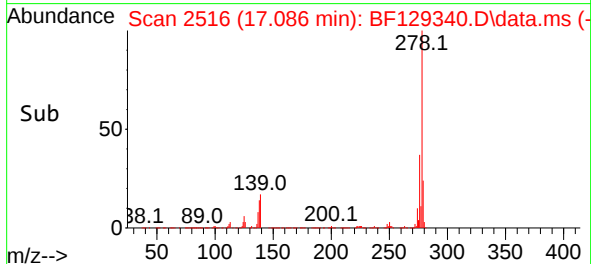
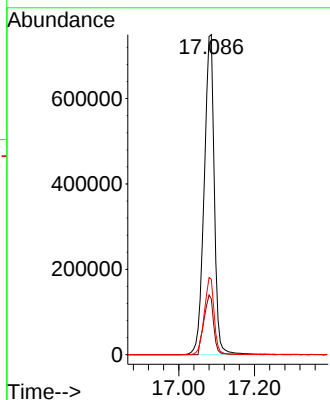
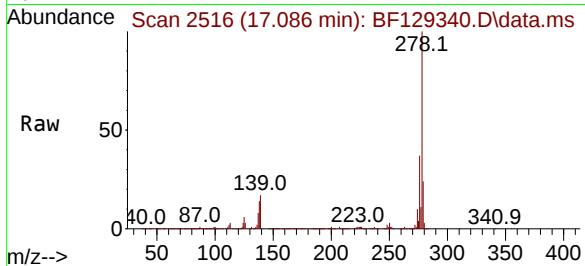


#91  
Dibenzo(a,h)anthracene  
Concen: 44.891 ng  
RT: 17.086 min Scan# 2516  
Delta R.T. 0.000 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB146401BS

Tgt Ion:278 Resp: 1392103  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 17.4  | 12.8  | 19.2  |
| 279 | 23.6  | 18.6  | 28.0  |



#92  
Benzo(g,h,i)perylene  
Concen: 45.308 ng  
RT: 17.527 min Scan# 2591  
Delta R.T. -0.006 min  
Lab File: BF129340.D  
Acq: 25 Jul 2022 19:31

Tgt Ion:276 Resp: 1435717  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.5  | 19.1  | 28.7  |
| 138 | 24.9  | 18.0  | 27.0  |

