

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051723\  
 Data File : BF133419.D  
 Acq On : 17 May 2023 18:17  
 Operator : CG\JU  
 Sample : 02812-14MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-B4-10-13MSD

Quant Time: May 18 04:04:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 16 14:39:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.716  | 152  | 207885   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.998  | 136  | 835420   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.751  | 164  | 434832   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.233 | 188  | 781847   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12              | 13.874 | 240  | 348207   | 20.000 | ng    | -0.01    |
| 86) Perylene-d12              | 15.292 | 264  | 474264   | 20.000 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.334  | 112  | 1349488  | 98.061 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.363  | 99   | 1612756  | 94.418 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.281  | 82   | 1026018  | 66.291 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.545 | 330  | 418687   | 95.742 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.075  | 172  | 1670403  | 64.268 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.822 | 244  | 1680143  | 83.217 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.405  | 88   | 269178   | 42.170 | ng    | 94       |
| 3) Pyridine                   | 3.099  | 79   | 689904   | 40.694 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.063  | 42   | 359196   | 40.904 | ng    | 89       |
| 6) Aniline                    | 6.375  | 93   | 838568   | 38.117 | ng    | # 44     |
| 8) 2-Chlorophenol             | 6.504  | 128  | 703269   | 50.332 | ng    | 92       |
| 9) Benzaldehyde               | 6.257  | 77   | 447784   | 78.234 | ng    | 99       |
| 10) Phenol                    | 6.381  | 94   | 837508   | 44.445 | ng    | 75       |
| 11) bis(2-Chloroethyl)ether   | 6.451  | 93   | 659313   | 46.626 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.657  | 146  | 743754   | 50.066 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.734  | 146  | 751574   | 50.481 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.887  | 146  | 719682   | 52.432 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.869  | 79   | 573544   | 48.610 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.998  | 45   | 1024639  | 41.720 | ng    | 88       |
| 17) 2-Methylphenol            | 6.987  | 107  | 572701   | 44.762 | ng    | 96       |
| 18) Hexachloroethane          | 7.228  | 117  | 259378   | 50.110 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.140  | 70   | 442279   | 41.591 | ng    | 92       |
| 20) 3+4-Methylphenols         | 7.140  | 107  | 700500   | 46.491 | ng    | # 70     |
| 22) Acetophenone              | 7.128  | 105  | 938944   | 48.519 | ng    | # 92     |
| 24) Nitrobenzene              | 7.304  | 77   | 696887   | 44.434 | ng    | 98       |
| 25) Isophorone                | 7.540  | 82   | 1329340  | 45.237 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.622  | 139  | 401467   | 53.071 | ng    | # 89     |
| 27) 2,4-Dimethylphenol        | 7.669  | 122  | 637158   | 49.120 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.757  | 93   | 810715   | 46.634 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.869  | 162  | 584601   | 49.507 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.945  | 180  | 607826   | 49.686 | ng    | 99       |
| 31) Naphthalene               | 8.022  | 128  | 1944486  | 46.554 | ng    | 99       |
| 32) Benzoic acid              | 7.798  | 122  | 258004   | 32.201 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.075  | 127  | 461174   | 27.327 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.139  | 225  | 327688   | 48.329 | ng    | 99       |
| 35) Caprolactam               | 8.457  | 113  | 144811   | 36.505 | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 8.569  | 107  | 628073   | 49.323 | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.716  | 142  | 1293974  | 45.314 | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.816  | 142  | 1208019  | 45.221 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.881  | 216  | 555862   | 47.544 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.869  | 237  | 565475   | 82.933 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.998  | 196  | 387754   | 47.957 | ng    | 98       |

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 Sample : 02812-14MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

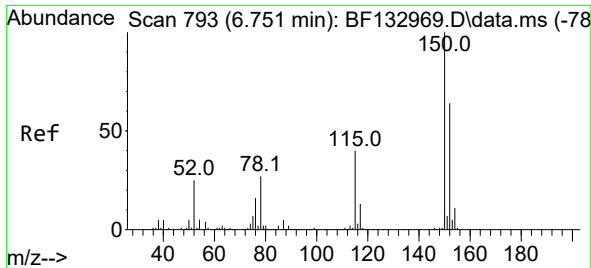
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-B4-10-13MSD

Quant Time: May 18 04:04:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 16 14:39:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.039  | 196  | 417458   | 44.643  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.181  | 154  | 1627524  | 47.202  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.204  | 162  | 1202000  | 47.628  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.304  | 65   | 381446   | 45.733  | ng    | 93       |
| 49) Acenaphthylene            | 9.616  | 152  | 1863270  | 46.206  | ng    | 100      |
| 50) Dimethylphthalate         | 9.486  | 163  | 1473460  | 48.597  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.545  | 165  | 334872   | 49.071  | ng    | 92       |
| 52) Acenaphthene              | 9.786  | 154  | 1154483  | 42.746  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.716  | 138  | 274139   | 33.785  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.828  | 184  | 301140   | 87.791  | ng    | 94       |
| 55) Dibenzofuran              | 9.963  | 168  | 1645783  | 44.672  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 508576   | 80.924  | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 9.951  | 165  | 427756   | 49.151  | ng    | 94       |
| 58) Fluorene                  | 10.304 | 166  | 1271653  | 47.113  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.086 | 232  | 344725   | 47.552  | ng    | 97       |
| 60) Diethylphthalate          | 10.181 | 149  | 1377344  | 48.093  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.292 | 204  | 614742   | 46.736  | ng    | 94       |
| 62) 4-Nitroaniline            | 10.333 | 138  | 377203   | 50.579  | ng    | 96       |
| 63) Azobenzene                | 10.457 | 77   | 1356132  | 44.700  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.363 | 198  | 239551   | 50.549  | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 10.416 | 169  | 1166746  | 46.005  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 398144   | 46.953  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.851 | 284  | 427481   | 49.198  | ng    | 94       |
| 69) Atrazine                  | 10.951 | 200  | 408275   | 55.869  | ng    | 98       |
| 70) Pentachlorophenol         | 11.051 | 266  | 397414   | 64.221  | ng    | 97       |
| 71) Phenanthrene              | 11.263 | 178  | 1918934  | 45.665  | ng    | 100      |
| 72) Anthracene                | 11.316 | 178  | 1969375  | 45.794  | ng    | 100      |
| 73) Carbazole                 | 11.475 | 167  | 1734434  | 45.294  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.804 | 149  | 2166399  | 49.993  | ng    | 99       |
| 75) Fluoranthene              | 12.451 | 202  | 1849254  | 43.848  | ng    | 97       |
| 77) Benzidine                 | 12.574 | 184  | 842896   | 143.146 | ng    | # 93     |
| 78) Pyrene                    | 12.674 | 202  | 1847783  | 61.904  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.298 | 149  | 712459   | 67.411  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.863 | 228  | 1146395  | 47.876  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.827 | 252  | 262875   | 39.740  | ng    | 98       |
| 83) Chrysene                  | 13.904 | 228  | 1129662  | 47.189  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149  | 816738   | 61.567  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.468 | 149  | 1423754  | 65.821  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.680 | 276  | 1666760  | 61.784  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.892 | 252  | 1316937  | 43.647  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.921 | 252  | 1272725  | 42.553  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.239 | 252  | 1234515  | 44.952  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.698 | 278  | 1383163  | 61.473  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.104 | 276  | 1362823  | 61.351  | ng    | 98       |

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

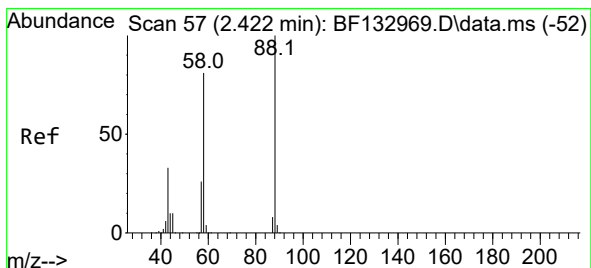
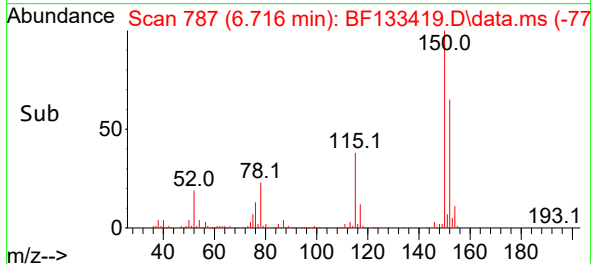
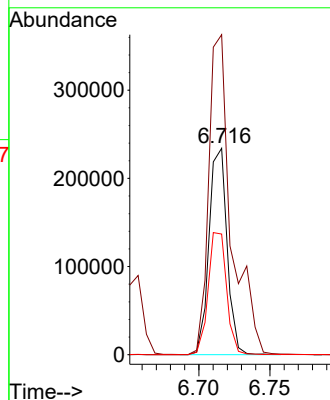
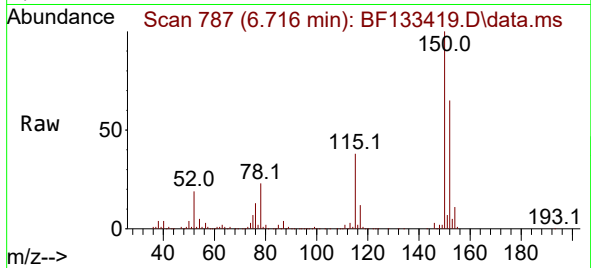




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.716 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

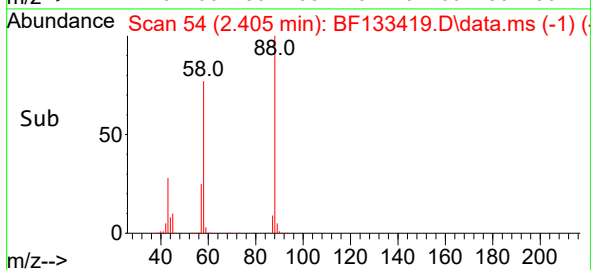
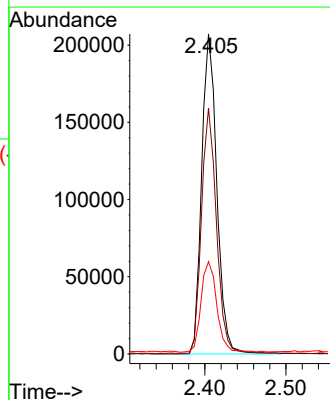
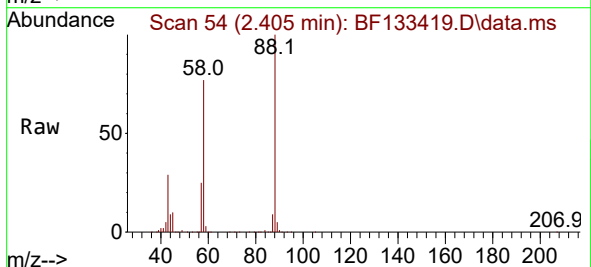
Instrument :  
 BNA\_F  
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 WG-0516-B4-10-13MSD

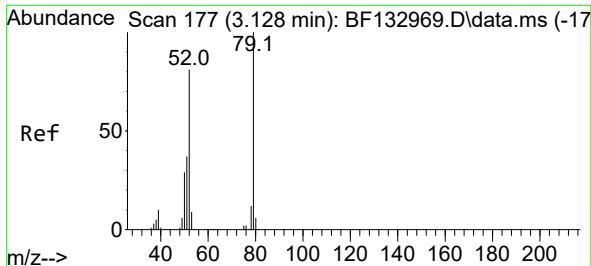
Tgt Ion:152 Resp: 207885  
 Ion Ratio Lower Upper  
 152 100  
 150 155.0 124.8 187.2  
 115 58.4 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 42.170 ng  
 RT: 2.405 min Scan# 54  
 Delta R.T. 0.035 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

Tgt Ion: 88 Resp: 269178  
 Ion Ratio Lower Upper  
 88 100  
 58 75.6 64.7 97.1  
 43 29.4 26.2 39.2

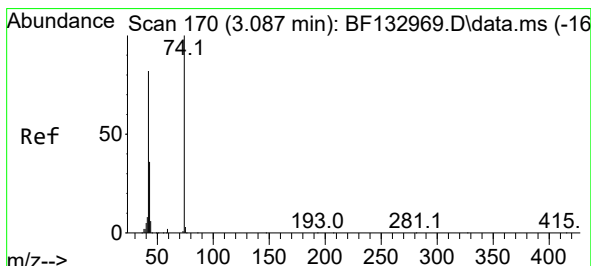
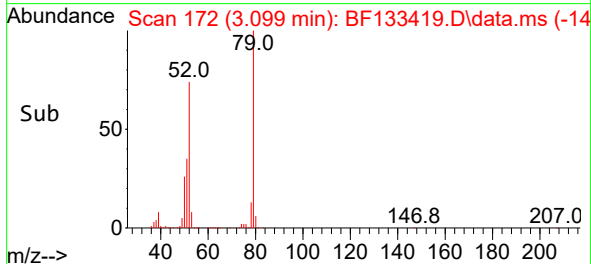
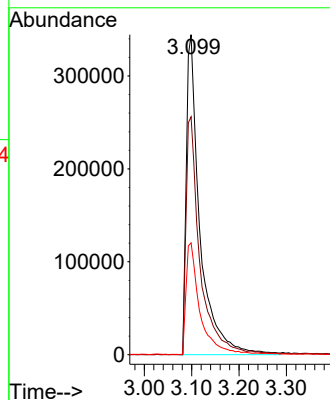
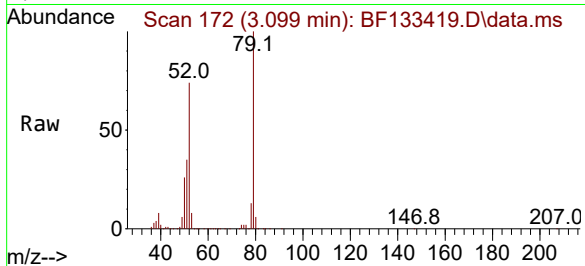




#3  
Pyridine  
Concen: 40.694 ng  
RT: 3.099 min Scan# 11  
Delta R.T. 0.035 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

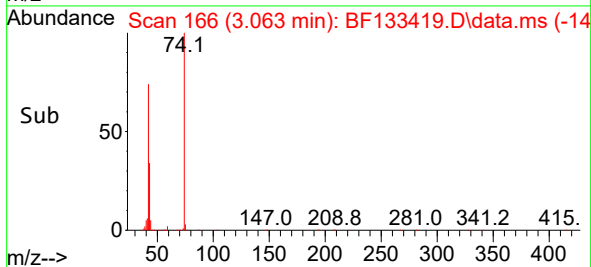
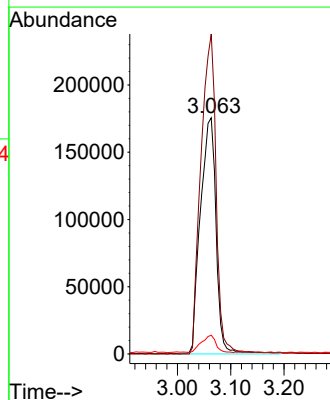
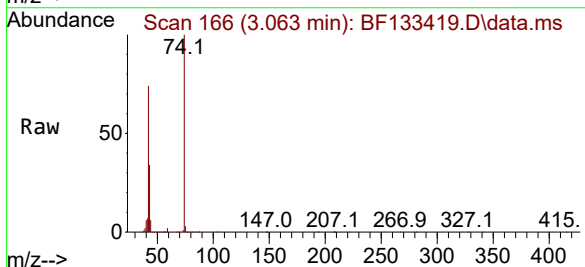
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

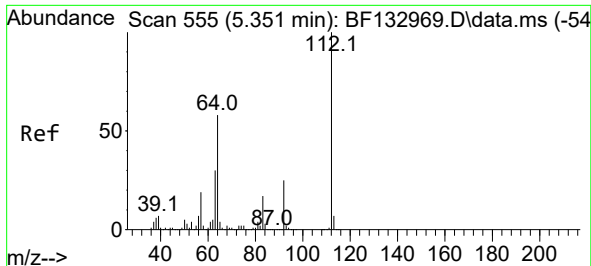
Tgt Ion: 79 Resp: 689904  
Ion Ratio Lower Upper  
79 100  
52 74.4 64.6 96.8  
51 35.0 30.0 45.0



#4  
n-Nitrosodimethylamine  
Concen: 40.904 ng  
RT: 3.063 min Scan# 166  
Delta R.T. 0.035 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 42 Resp: 359196  
Ion Ratio Lower Upper  
42 100  
74 135.5 98.0 147.0  
44 7.9 5.8 8.8

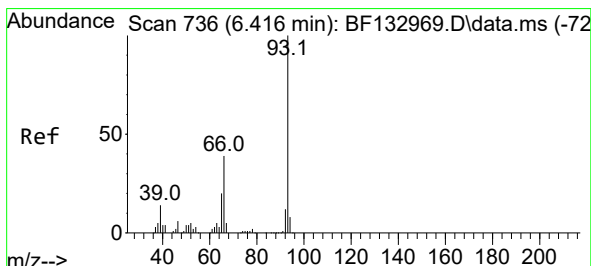
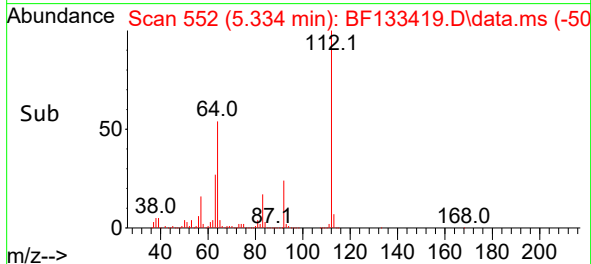
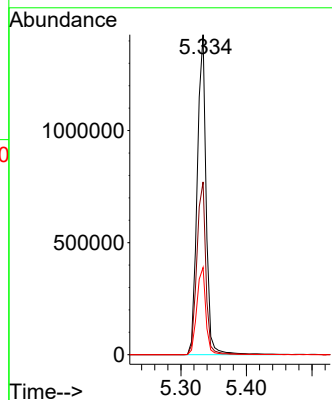
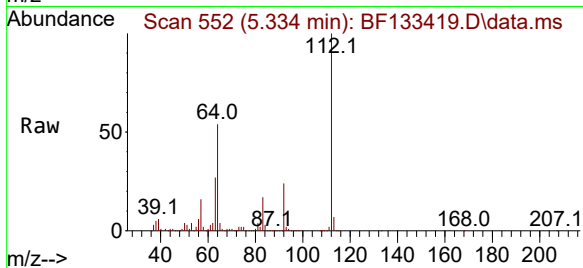




#5  
2-Fluorophenol  
Concen: 98.061 ng  
RT: 5.334 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

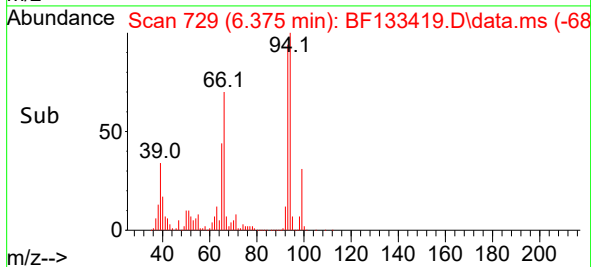
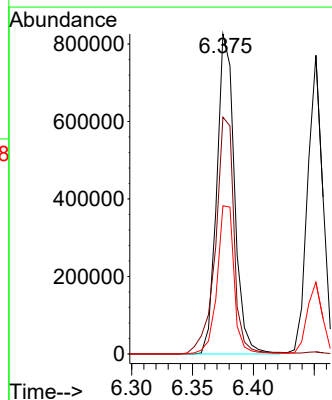
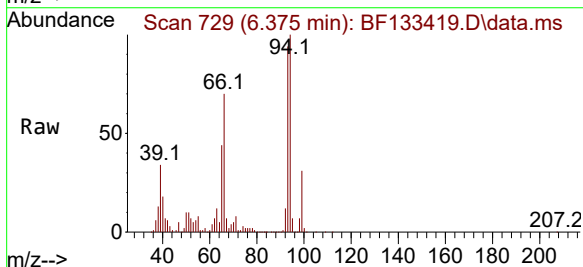
Instrument :  
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WG-0516-B4-10-13MSD

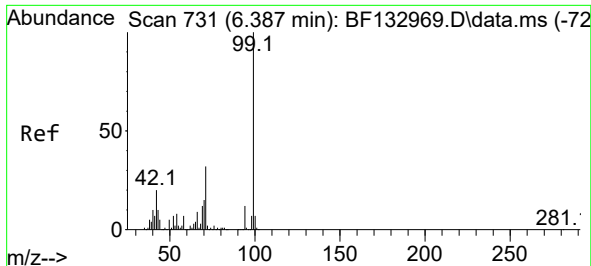
Tgt Ion:112 Resp: 1349488  
Ion Ratio Lower Upper  
112 100  
64 54.0 46.8 70.2  
63 27.2 23.8 35.8



#6  
Aniline  
Concen: 38.117 ng  
RT: 6.375 min Scan# 729  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 93 Resp: 838568  
Ion Ratio Lower Upper  
93 100  
66 74.0 31.5 47.3#  
65 46.3 16.4 24.6#





#7

Phenol-d6

Concen: 94.418 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

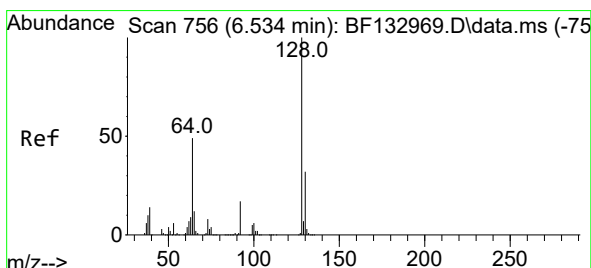
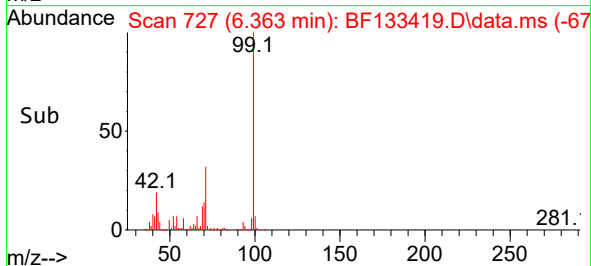
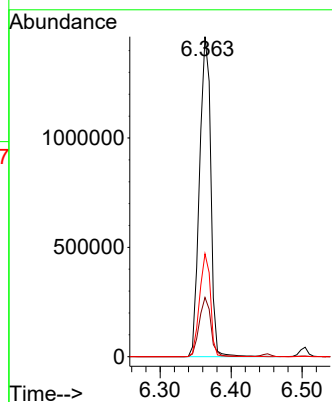
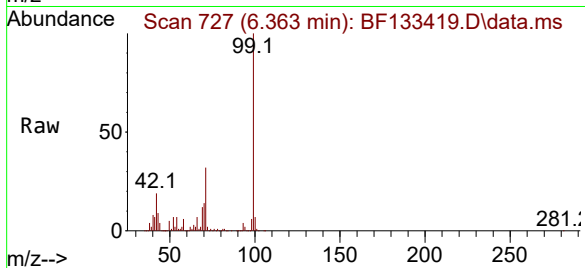
Tgt Ion: 99 Resp: 1612756

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

71 32.2 25.6 38.4



#8

2-Chlorophenol

Concen: 50.332 ng

RT: 6.504 min Scan# 751

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

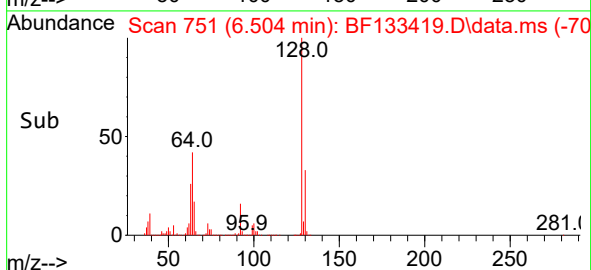
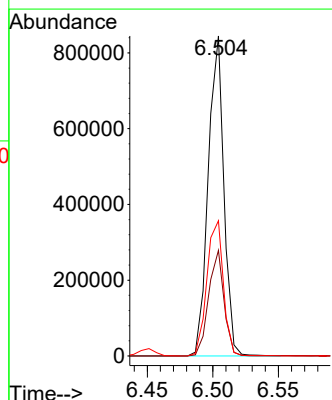
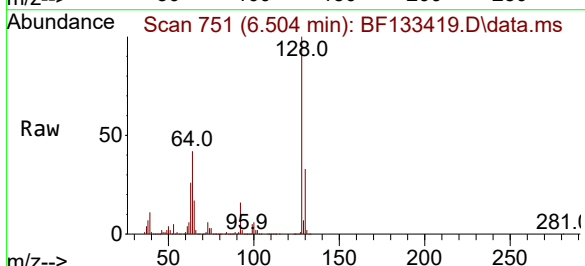
Tgt Ion:128 Resp: 703269

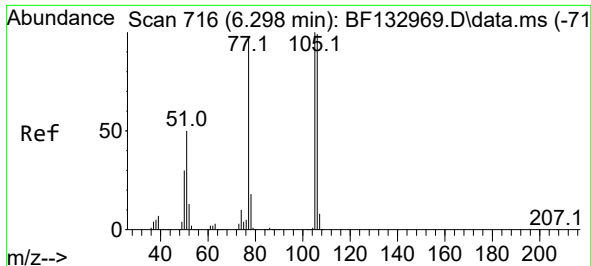
Ion Ratio Lower Upper

128 100

130 33.0 12.2 52.2

64 42.3 30.3 70.3

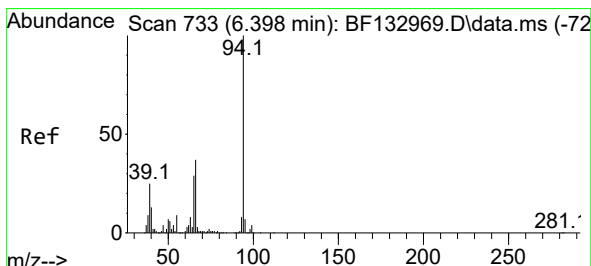
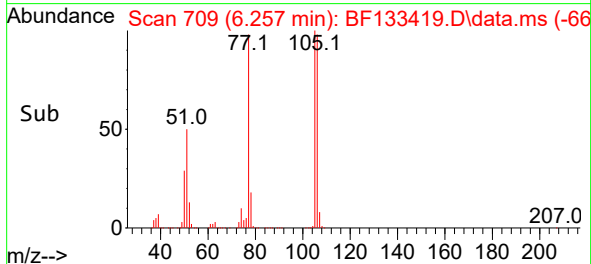
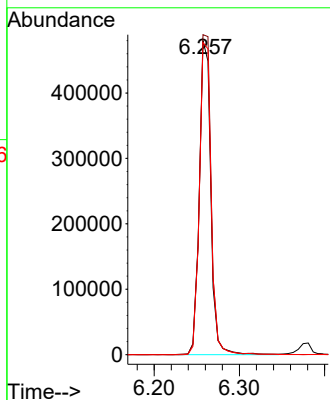
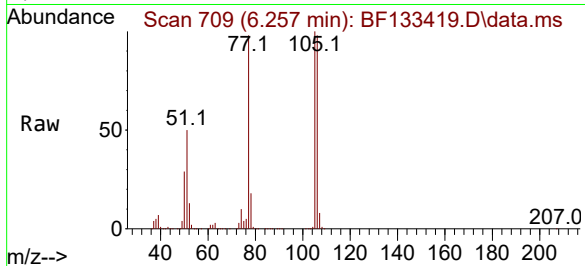




#9  
Benzaldehyde  
Concen: 78.234 ng  
RT: 6.257 min Scan# 709  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

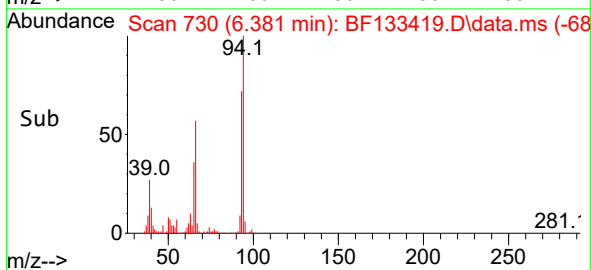
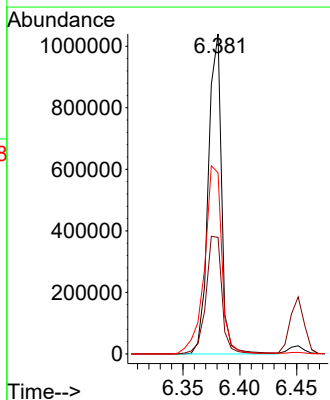
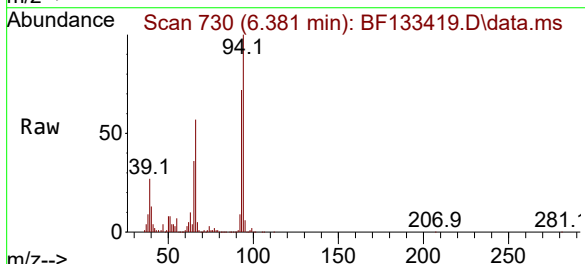
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

Tgt Ion: 77 Resp: 447784  
Ion Ratio Lower Upper  
77 100  
105 102.0 82.3 122.3  
106 99.5 80.8 120.8

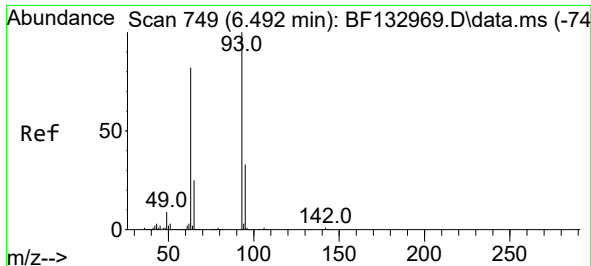


#10  
Phenol  
Concen: 44.445 ng  
RT: 6.381 min Scan# 730  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 94 Resp: 837508  
Ion Ratio Lower Upper  
94 100  
65 36.5 8.6 48.6  
66 56.6 17.3 57.3







#11

bis(2-Chloroethyl)ether

Concen: 46.626 ng

RT: 6.451 min Scan# 741

Delta R.T. -0.012 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

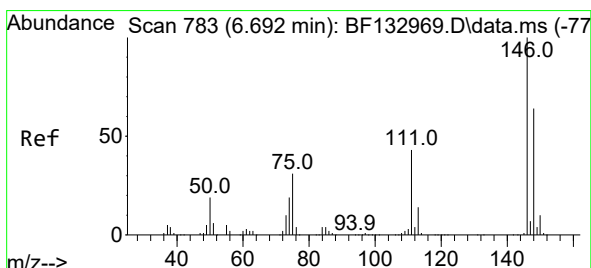
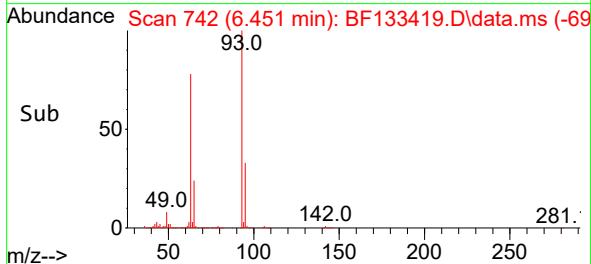
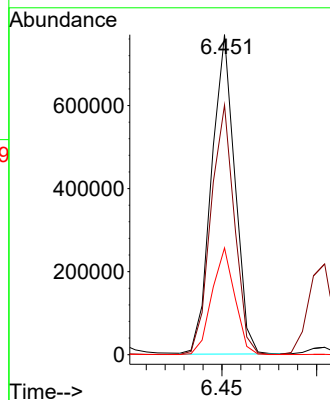
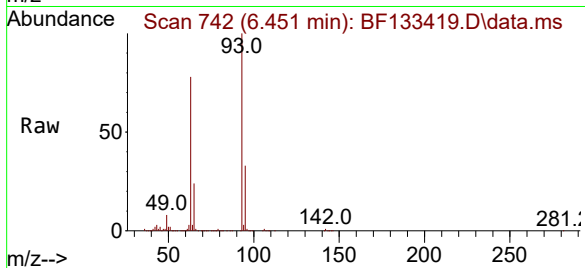
Tgt Ion: 93 Resp: 659313

Ion Ratio Lower Upper

93 100

63 78.0 60.6 100.6

95 33.4 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 50.066 ng

RT: 6.657 min Scan# 777

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

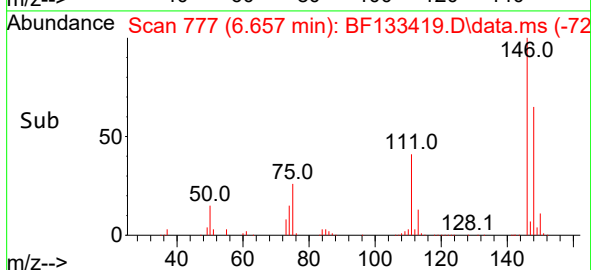
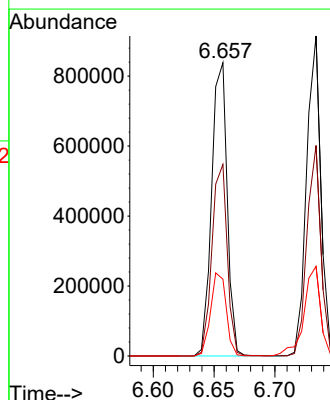
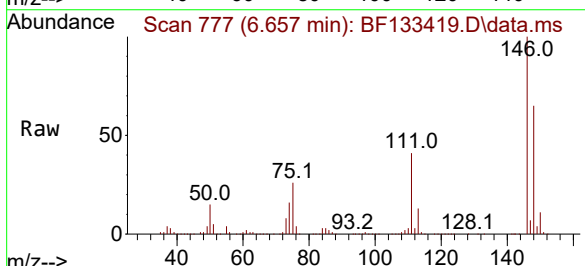
Tgt Ion:146 Resp: 743754

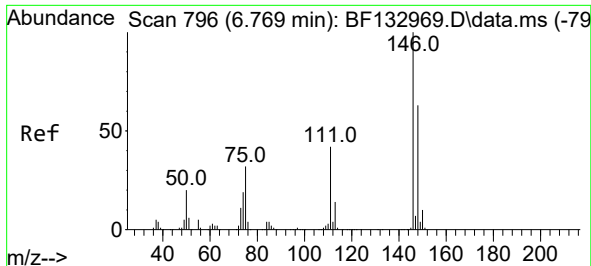
Ion Ratio Lower Upper

146 100

148 65.3 51.0 76.4

75 26.2 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 50.481 ng

RT: 6.734 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

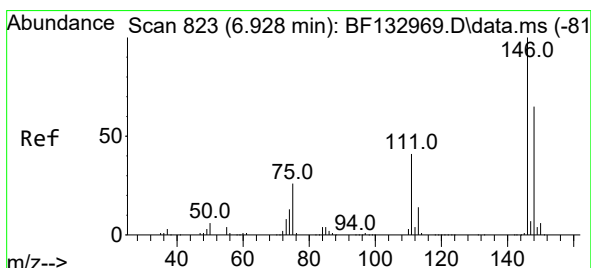
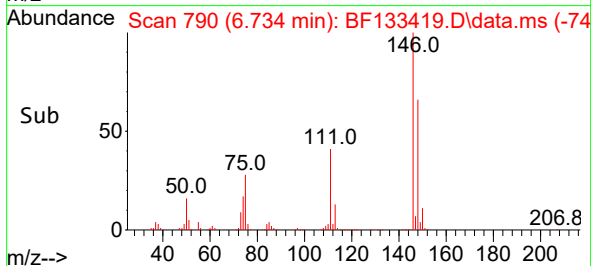
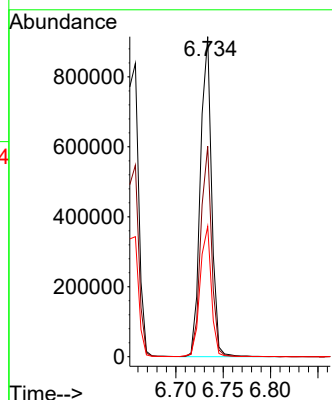
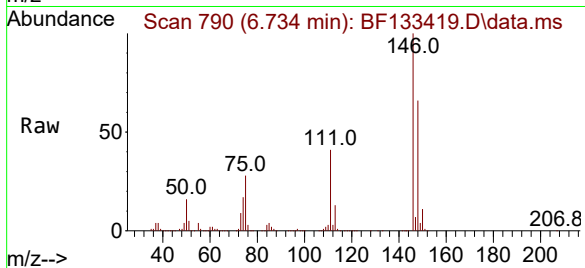
Tgt Ion:146 Resp: 751574

Ion Ratio Lower Upper

146 100

148 65.8 50.3 75.5

111 40.7 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 52.432 ng

RT: 6.887 min Scan# 816

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

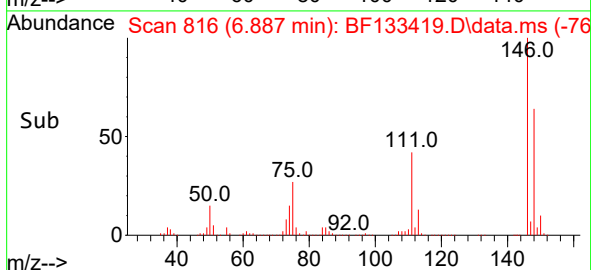
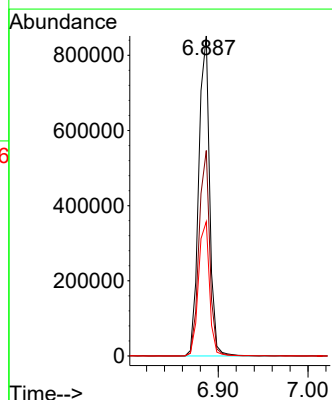
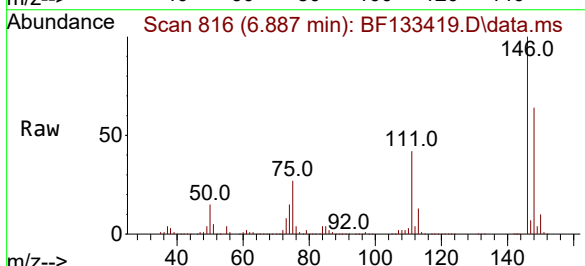
Tgt Ion:146 Resp: 719682

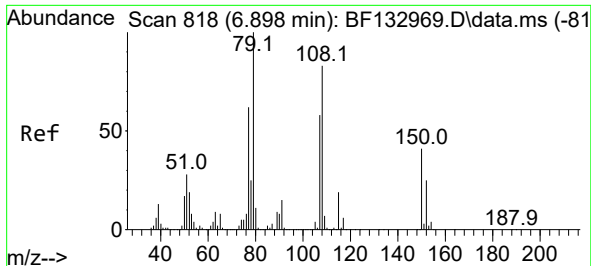
Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

111 41.9 32.8 49.2

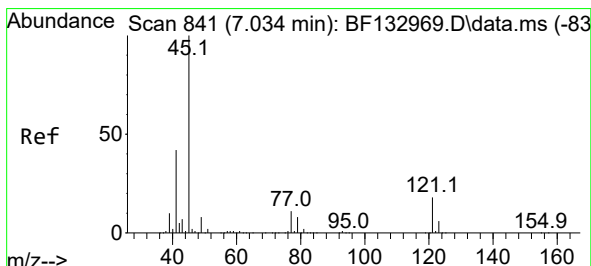
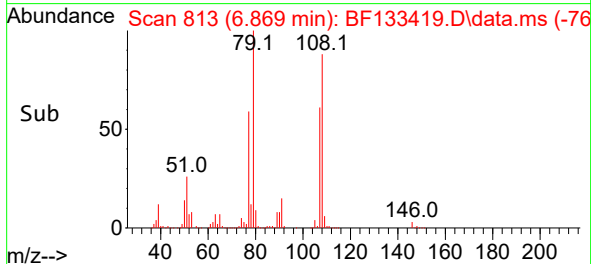
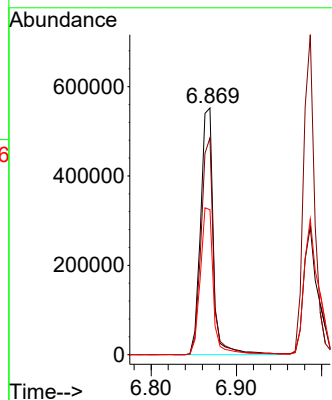
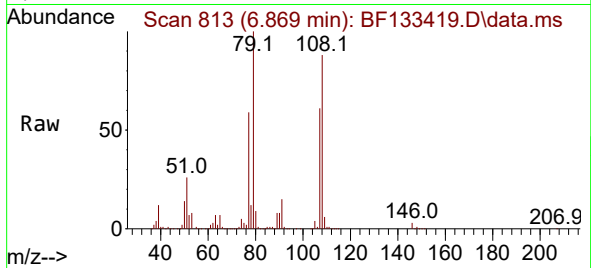




#15  
Benzyl Alcohol  
Concen: 48.610 ng  
RT: 6.869 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

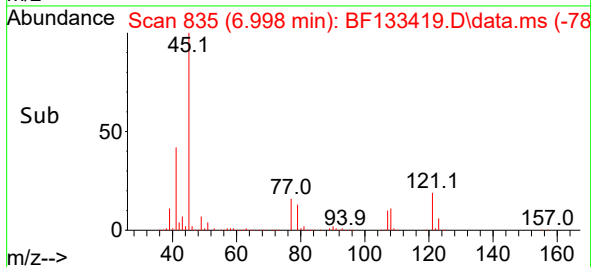
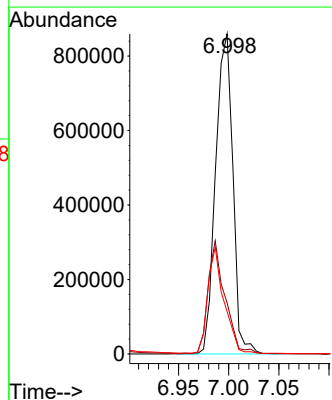
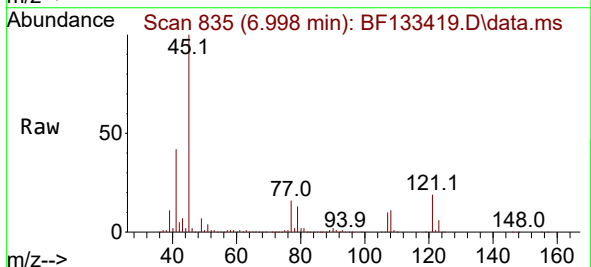
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

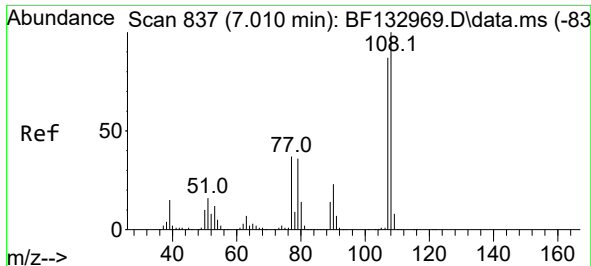
Tgt Ion: 79 Resp: 573544  
Ion Ratio Lower Upper  
79 100  
108 87.8 66.6 99.8  
77 58.7 49.2 73.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.720 ng  
RT: 6.998 min Scan# 835  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 45 Resp: 1024639  
Ion Ratio Lower Upper  
45 100  
77 16.0 0.0 31.5  
79 13.3 0.0 28.7

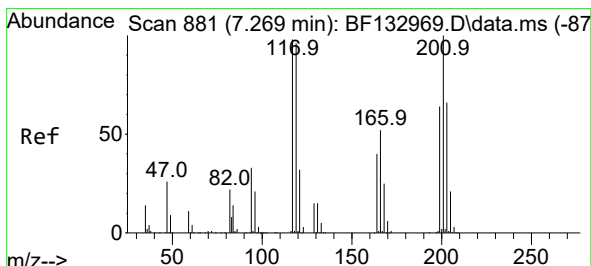
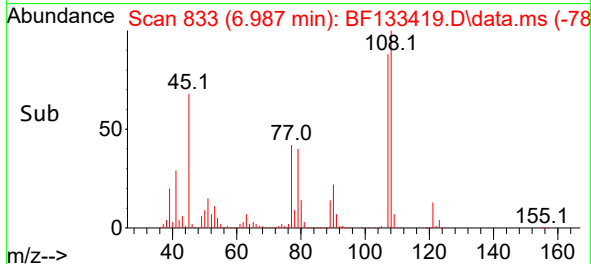
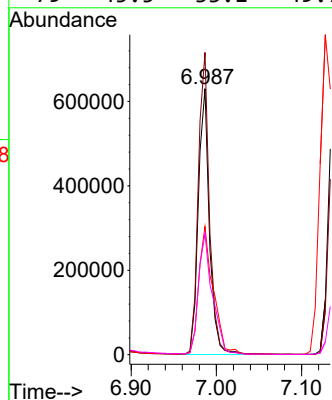
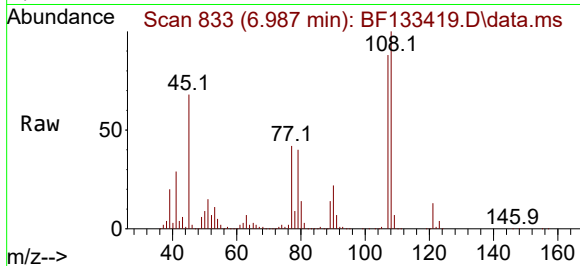




#17  
2-Methylphenol  
Concen: 44.762 ng  
RT: 6.987 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

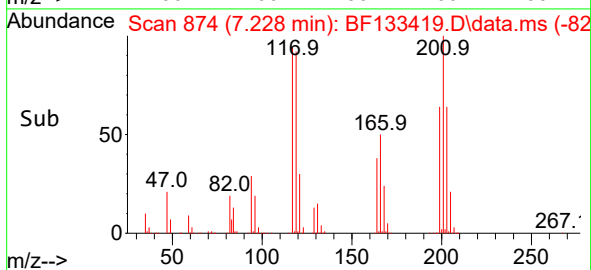
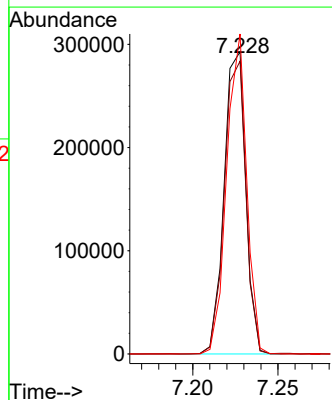
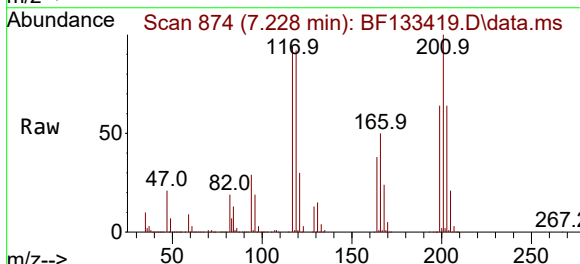
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

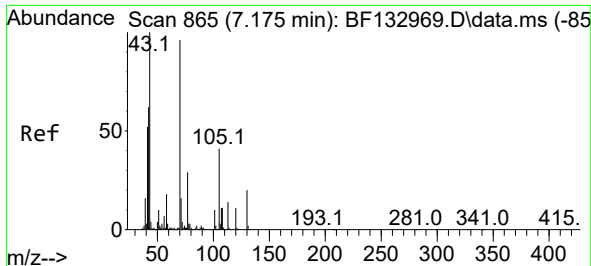
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 572701 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.6 | 92.4  | 138.6  |
| 77       | 48.2  | 33.8  | 50.8   |
| 79       | 45.5  | 33.1  | 49.7   |



#18  
Hexachloroethane  
Concen: 50.110 ng  
RT: 7.228 min Scan# 874  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 259378 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.9  | 78.2  | 117.4  |
| 201      | 105.9 | 81.7  | 122.5  |

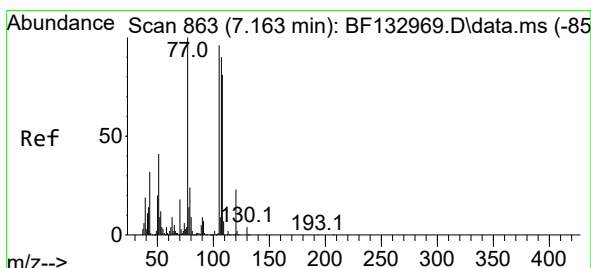
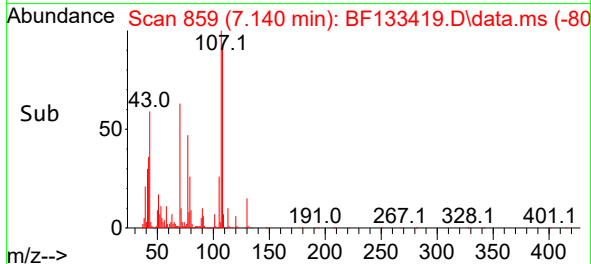
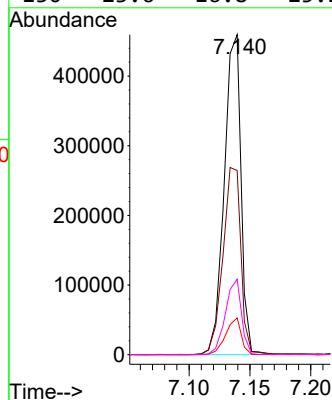
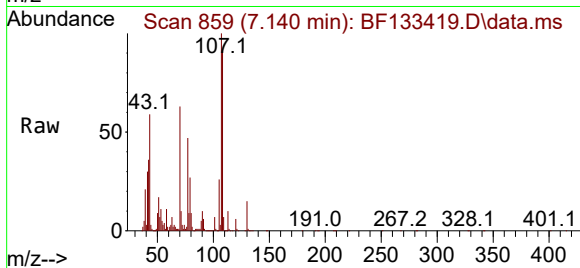




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.591 ng  
RT: 7.140 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

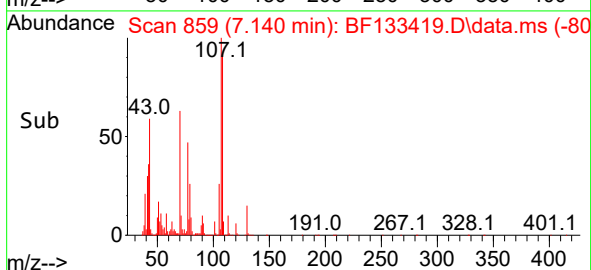
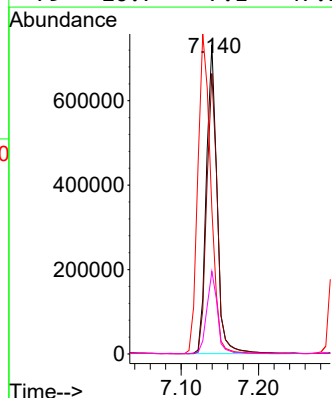
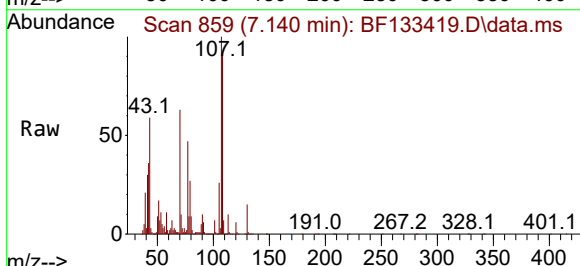
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

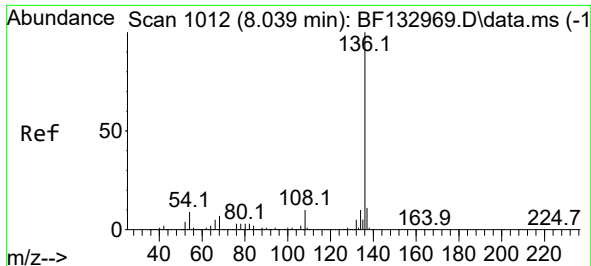
Tgt Ion: 70 Resp: 442279  
Ion Ratio Lower Upper  
70 100  
42 57.6 51.8 77.6  
101 11.5 8.0 12.0  
130 23.6 16.8 25.2



#20  
3+4-Methylphenols  
Concen: 46.491 ng  
RT: 7.140 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 107 Resp: 700500  
Ion Ratio Lower Upper  
107 100  
108 90.8 70.5 110.5  
77 46.7 91.7 131.7#  
79 26.7 7.1 47.1

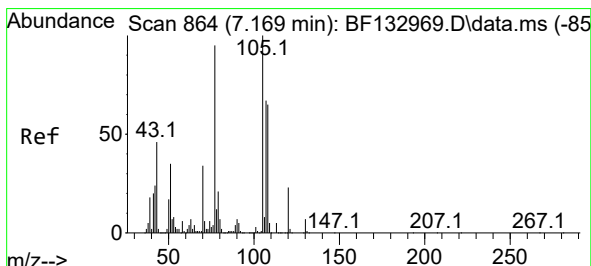
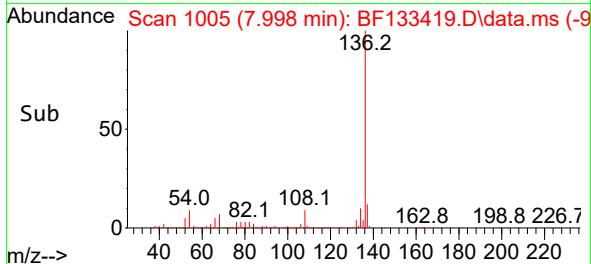
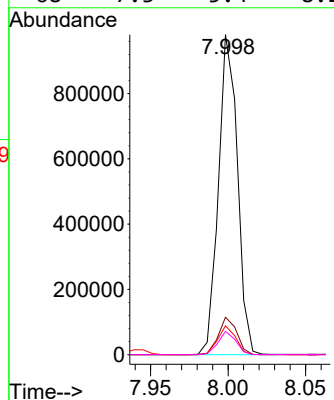
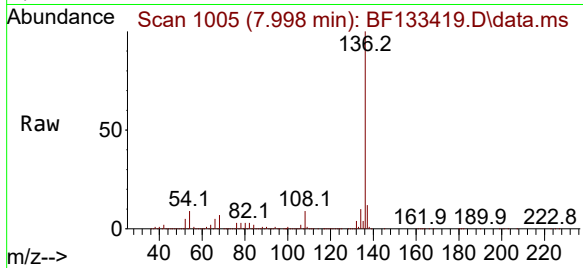




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.998 min Scan# 1012  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

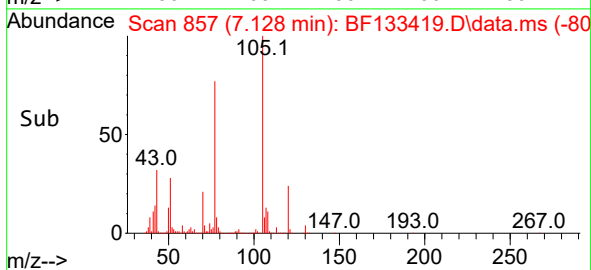
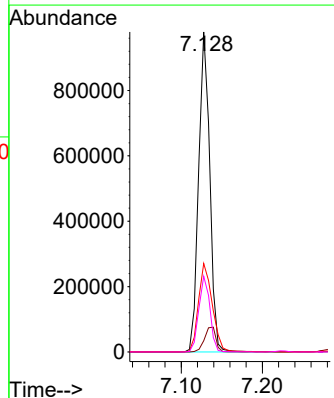
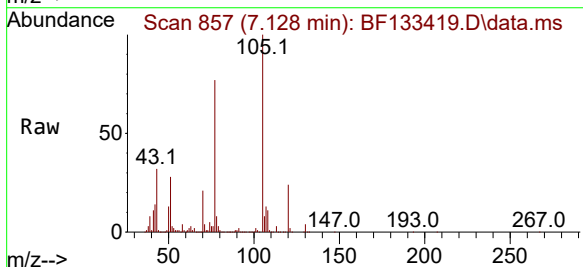
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

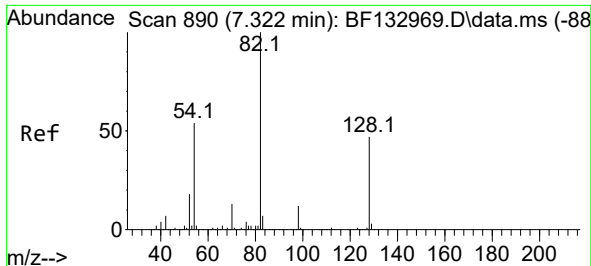
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 835420 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.7    | 8.6 13.0     |
| 54 9.0      | 7.0 10.4     |
| 68 7.3      | 5.4 8.2      |



#22  
Acetophenone  
Concen: 48.519 ng  
RT: 7.128 min Scan# 857  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 938944 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 3.5     | 4.6   | 7.0#   |
| 51  | 27.7    | 28.2  | 42.2#  |
| 120 | 23.6    | 18.4  | 27.6   |





#23

Nitrobenzene-d5

Concen: 66.291 ng

RT: 7.281 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

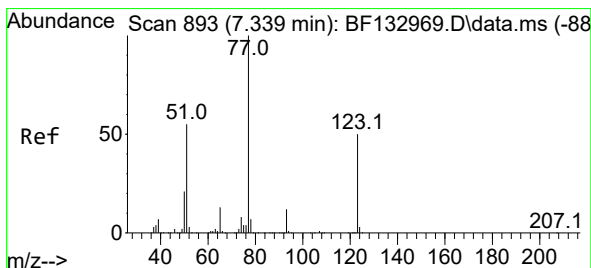
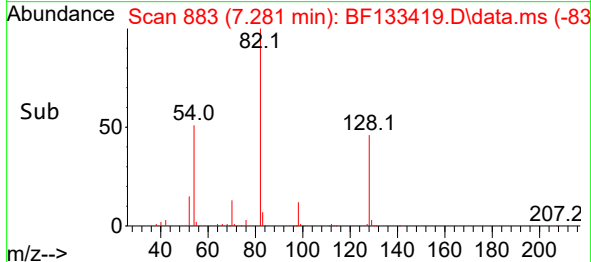
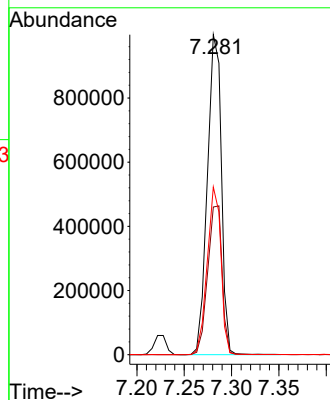
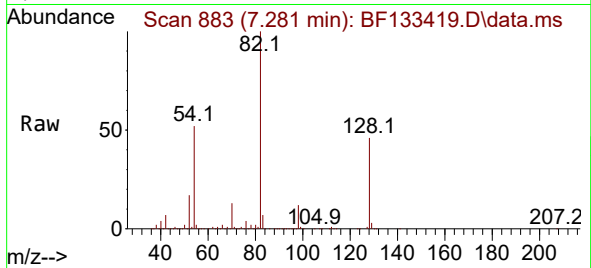
Tgt Ion: 82 Resp: 1026018

Ion Ratio Lower Upper

82 100

128 46.1 37.7 56.5

54 52.4 43.0 64.4



#24

Nitrobenzene

Concen: 44.434 ng

RT: 7.304 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

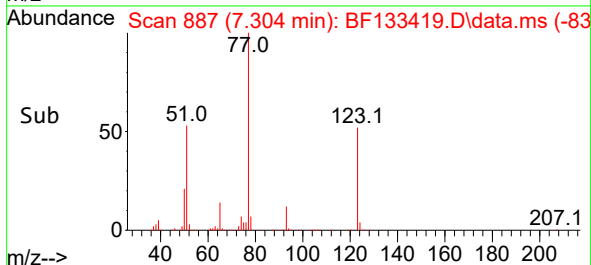
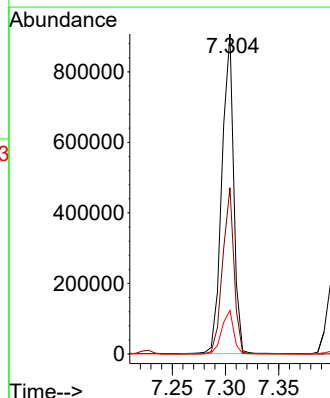
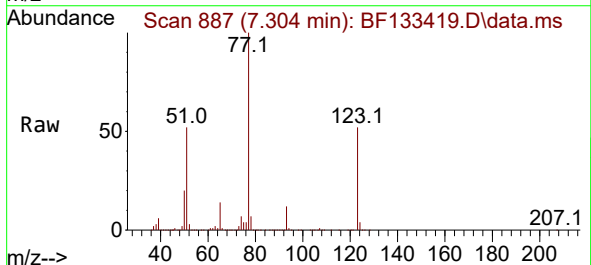
Tgt Ion: 77 Resp: 696887

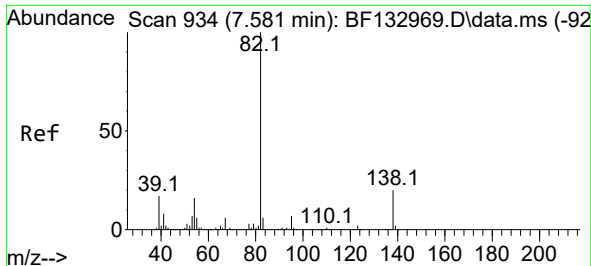
Ion Ratio Lower Upper

77 100

123 52.0 39.9 59.9

65 13.6 10.7 16.1

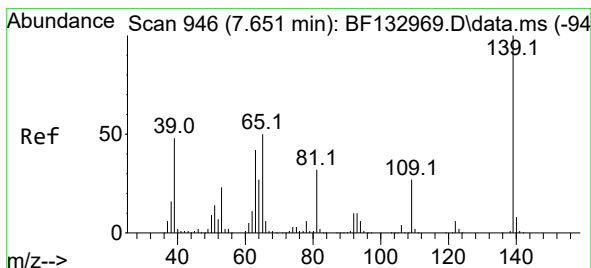
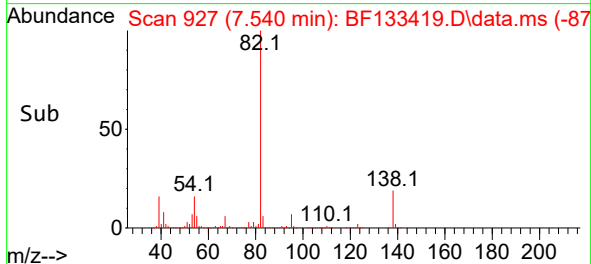
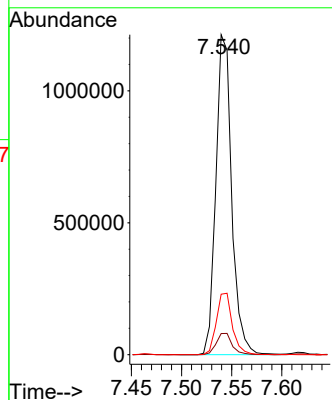
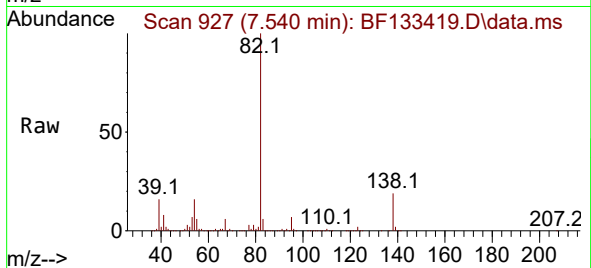




#25  
Isophorone  
Concen: 45.237 ng  
RT: 7.540 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

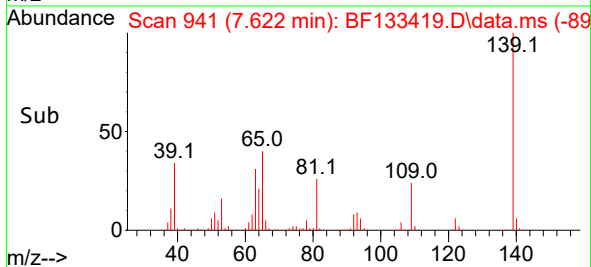
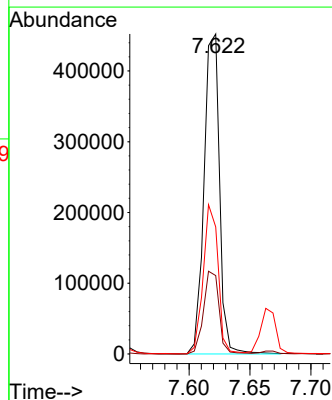
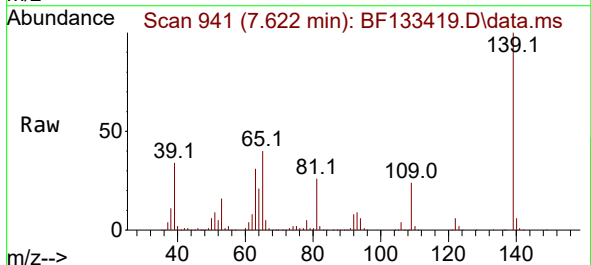
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

Tgt Ion: 82 Resp: 1329340  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.4 8.0  
138 18.9 16.0 24.0

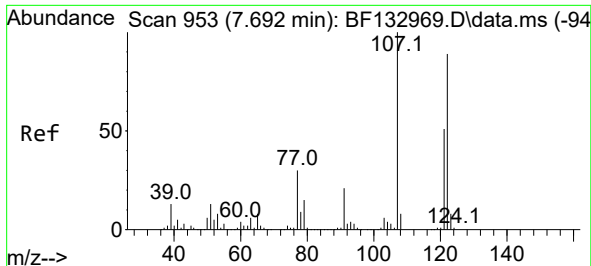


#26  
2-Nitrophenol  
Concen: 53.071 ng  
RT: 7.622 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:139 Resp: 401467  
Ion Ratio Lower Upper  
139 100  
109 24.5 21.6 32.4  
65 39.7 39.8 59.6#







#27

2,4-Dimethylphenol

Concen: 49.120 ng

RT: 7.669 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

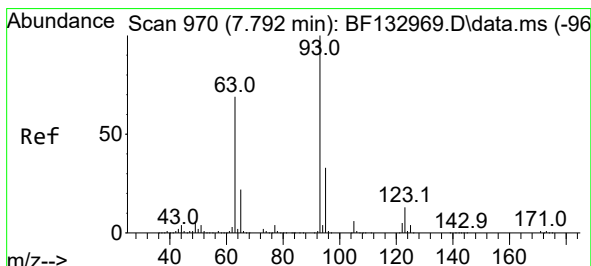
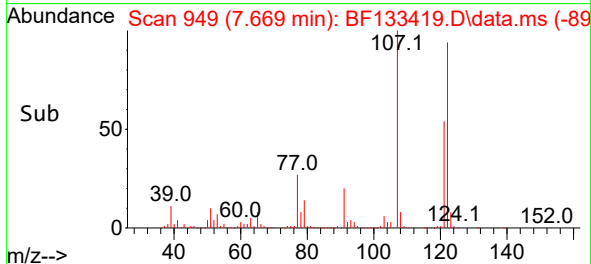
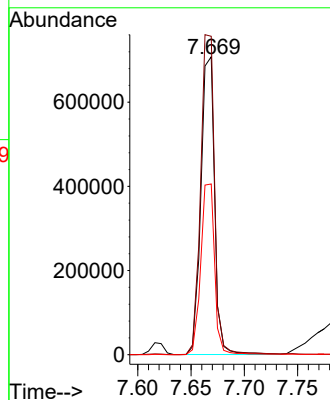
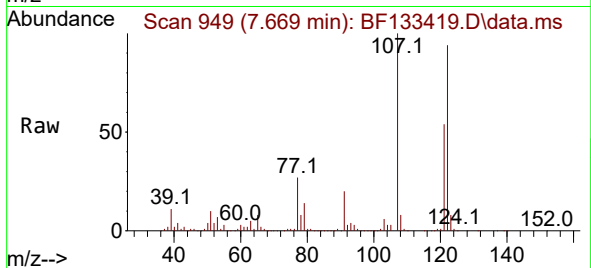
Tgt Ion:122 Resp: 637158

Ion Ratio Lower Upper

122 100

107 106.9 89.7 134.5

121 57.3 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 46.634 ng

RT: 7.757 min Scan# 964

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

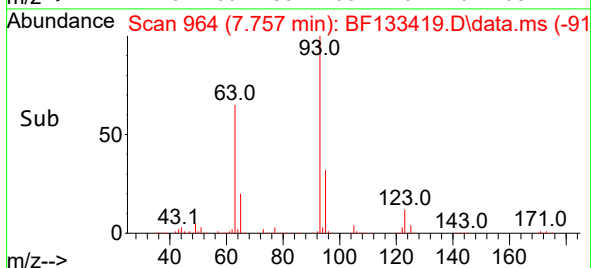
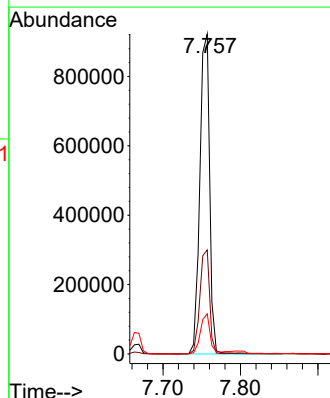
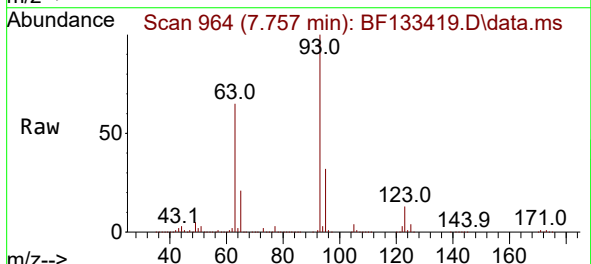
Tgt Ion: 93 Resp: 810715

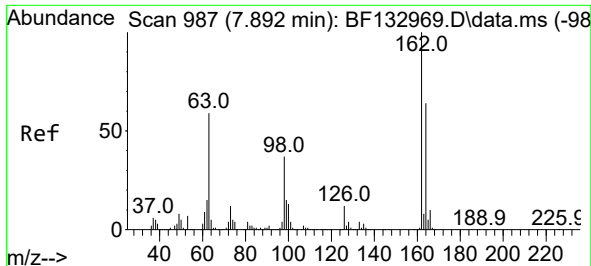
Ion Ratio Lower Upper

93 100

95 32.5 26.4 39.6

123 12.5 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 49.507 ng

RT: 7.869 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

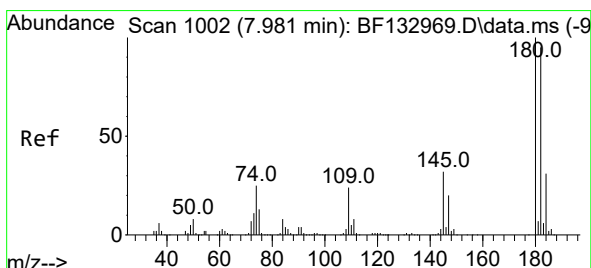
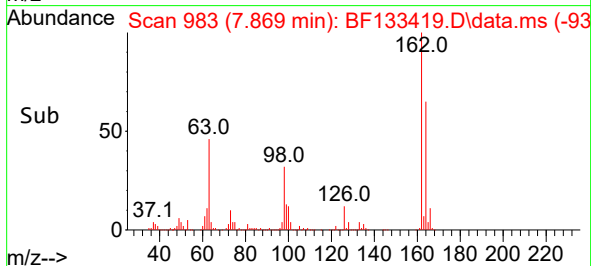
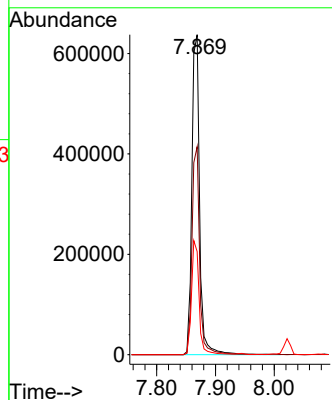
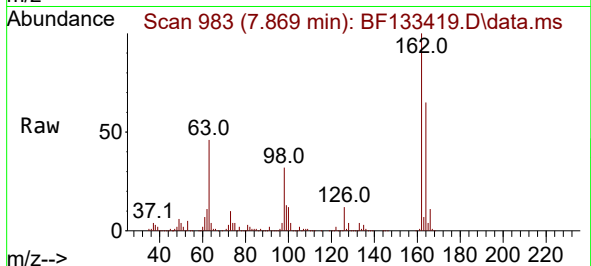
Tgt Ion:162 Resp: 584601

Ion Ratio Lower Upper

162 100

164 65.0 43.9 83.9

98 32.2 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 49.686 ng

RT: 7.945 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

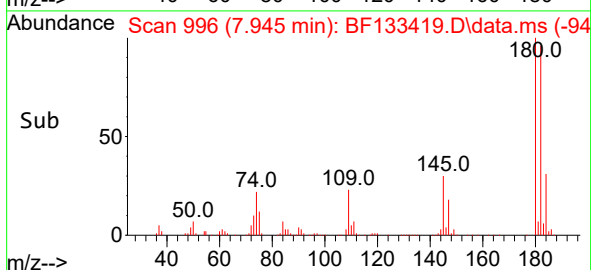
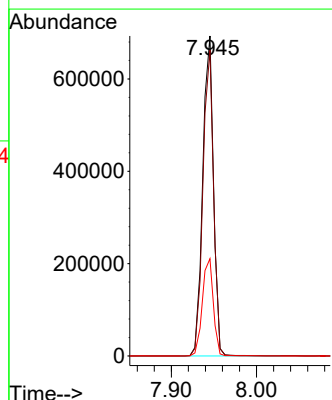
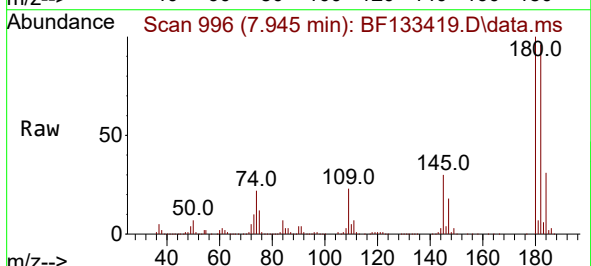
Tgt Ion:180 Resp: 607826

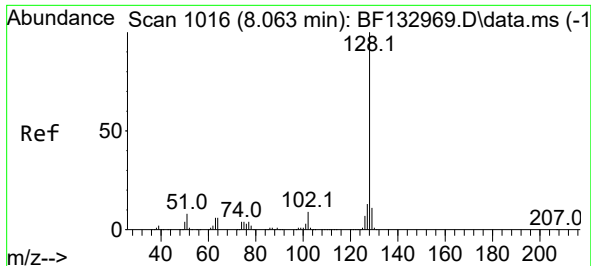
Ion Ratio Lower Upper

180 100

182 95.6 75.9 113.9

145 30.4 25.3 37.9

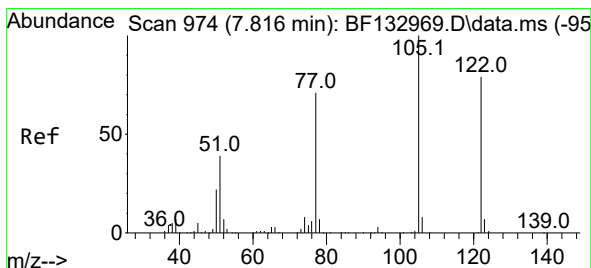
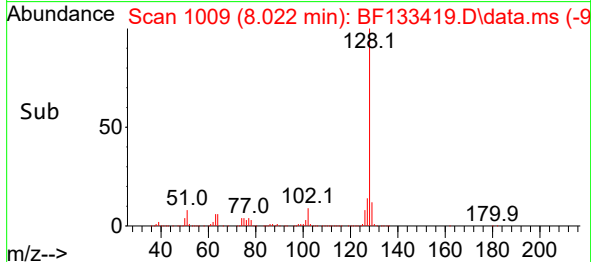
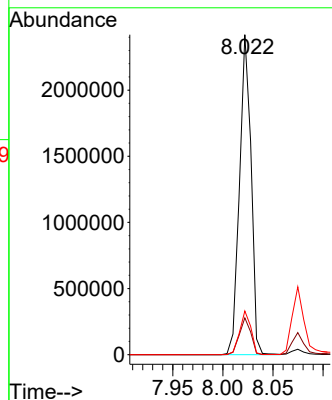
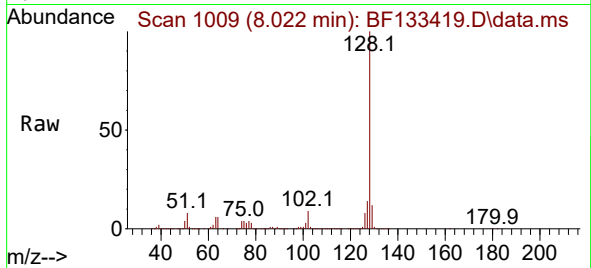




#31  
Naphthalene  
Concen: 46.554 ng  
RT: 8.022 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

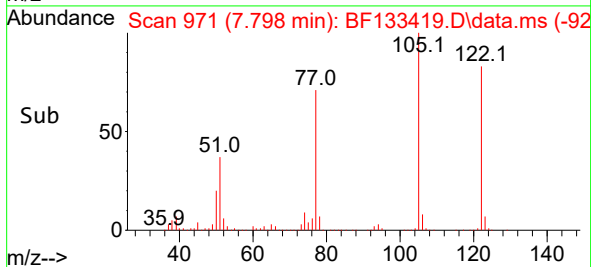
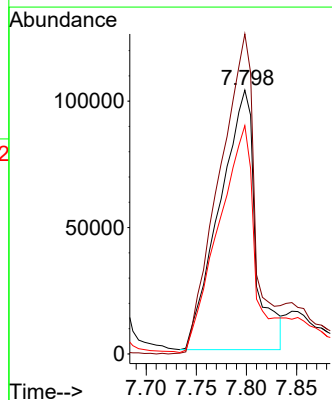
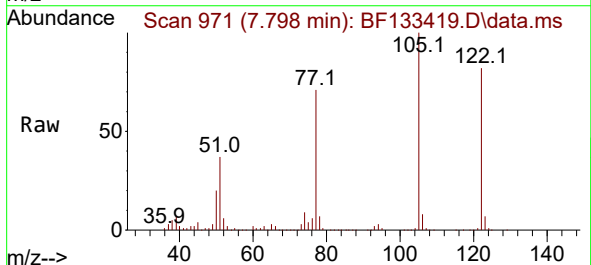
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

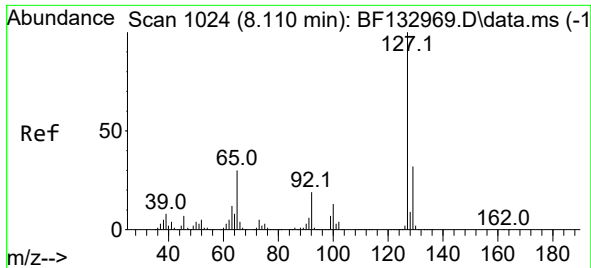
Tgt Ion:128 Resp: 1944486  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.8 13.2  
127 13.7 10.7 16.1



#32  
Benzoic acid  
Concen: 32.201 ng  
RT: 7.798 min Scan# 971  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:122 Resp: 258004  
Ion Ratio Lower Upper  
122 100  
105 121.3 104.2 144.2  
77 86.6 69.7 109.7

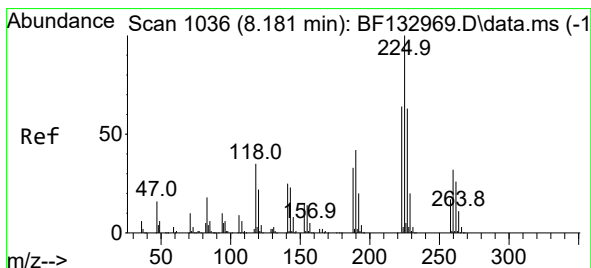
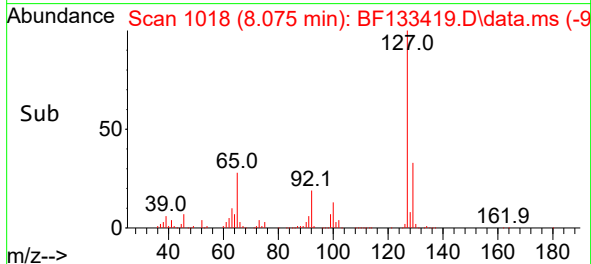
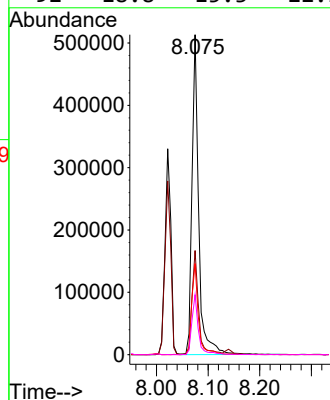
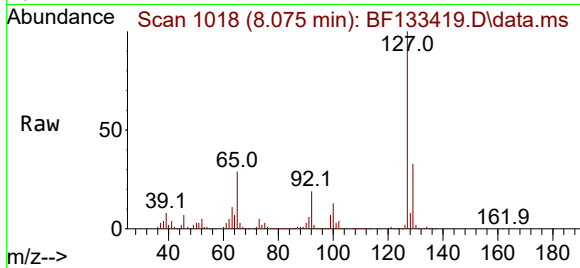




#33  
4-Chloroaniline  
Concen: 27.327 ng  
RT: 8.075 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

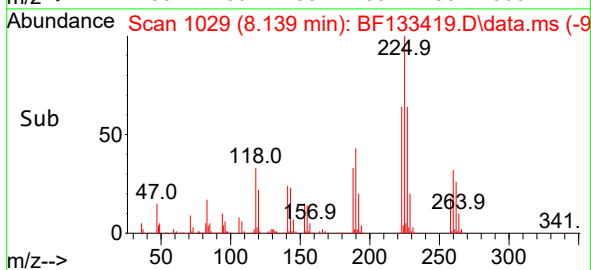
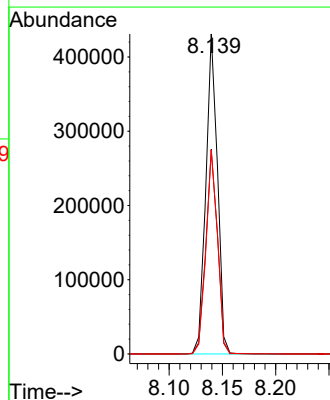
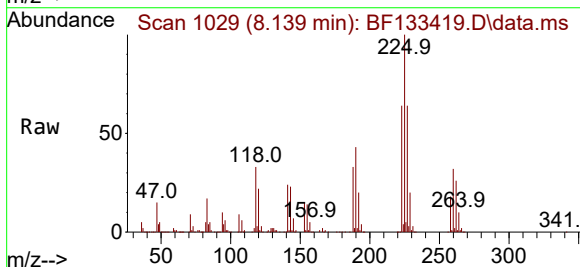
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

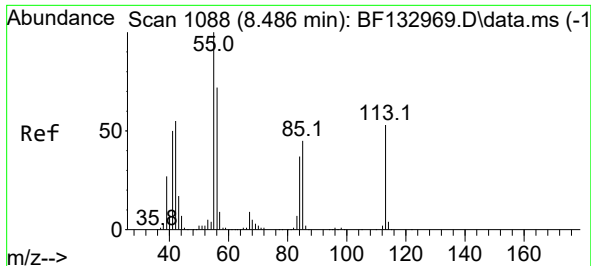
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:127 | Resp: | 461174 |
| Ion | Ratio   | Lower | Upper  |
| 127 | 100     |       |        |
| 129 | 32.6    | 25.8  | 38.8   |
| 65  | 28.5    | 23.6  | 35.4   |
| 92  | 18.8    | 15.3  | 22.9   |



#34  
Hexachlorobutadiene  
Concen: 48.329 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 327688 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 63.9    | 50.9  | 76.3   |
| 227 | 63.8    | 50.3  | 75.5   |

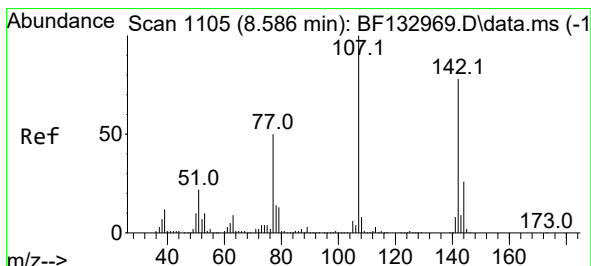
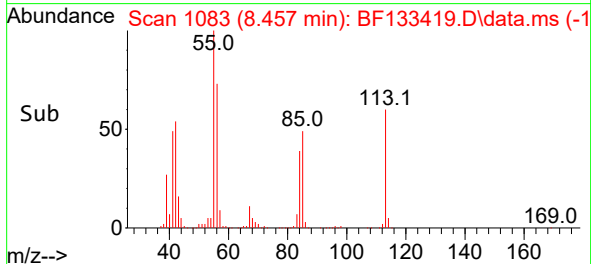
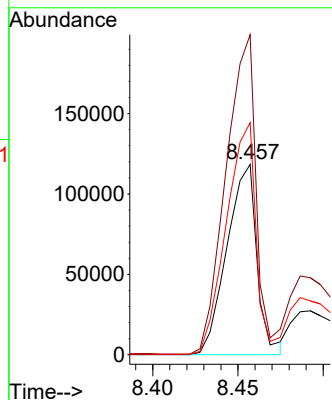
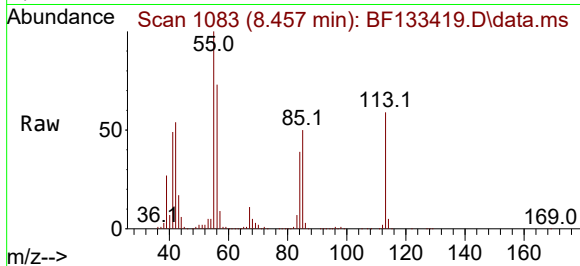




#35  
Caprolactam  
Concen: 36.505 ng  
RT: 8.457 min Scan# 1083  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

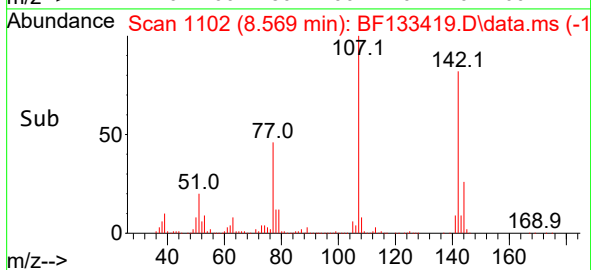
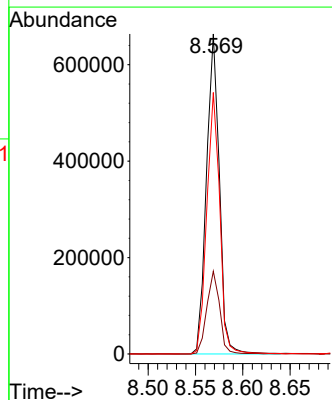
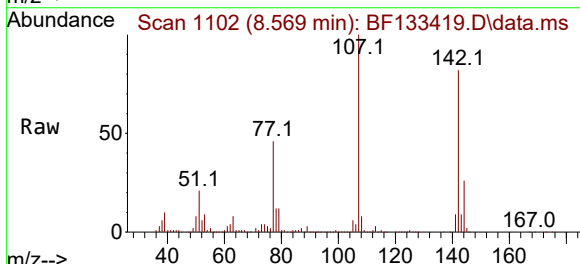
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

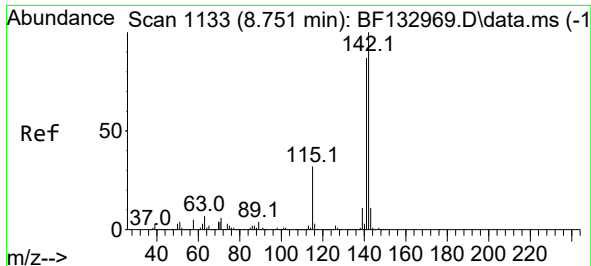
Tgt Ion:113 Resp: 144811  
Ion Ratio Lower Upper  
113 100  
55 168.1 167.1 207.1  
56 121.9 114.5 154.5



#36  
4-Chloro-3-methylphenol  
Concen: 49.323 ng  
RT: 8.569 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:107 Resp: 628073  
Ion Ratio Lower Upper  
107 100  
144 25.9 20.6 30.8  
142 81.7 62.8 94.2

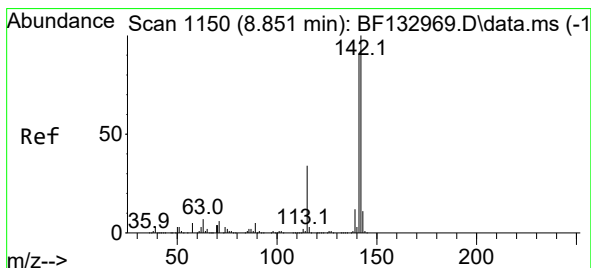
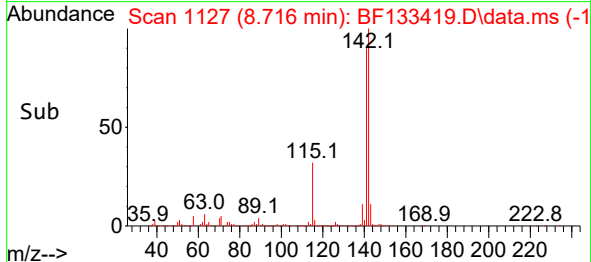
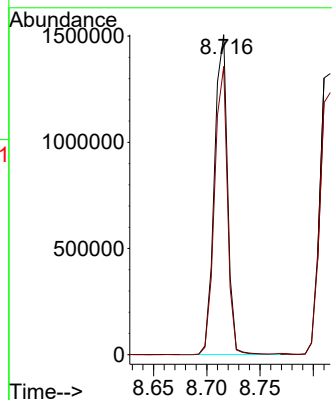
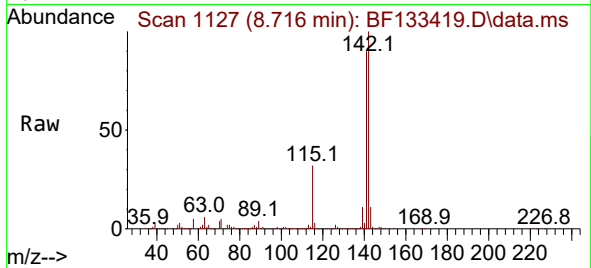




#37  
2-Methylnaphthalene  
Concen: 45.314 ng  
RT: 8.716 min Scan# 1133  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

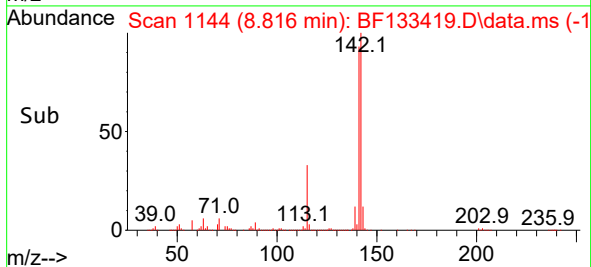
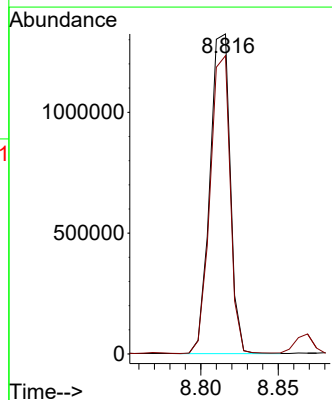
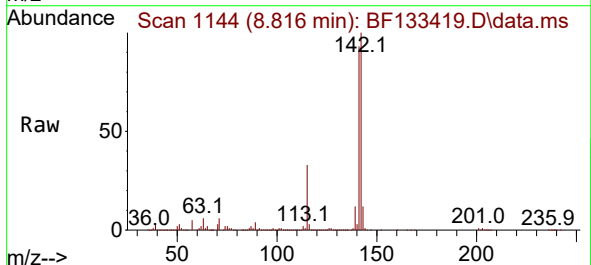
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

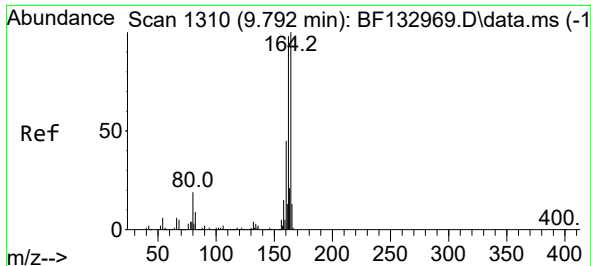
Tgt Ion:142 Resp: 1293974  
Ion Ratio Lower Upper  
142 100  
141 90.0 69.4 104.0



#38  
1-Methylnaphthalene  
Concen: 45.221 ng  
RT: 8.816 min Scan# 1144  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:142 Resp: 1208019  
Ion Ratio Lower Upper  
142 100  
141 93.2 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

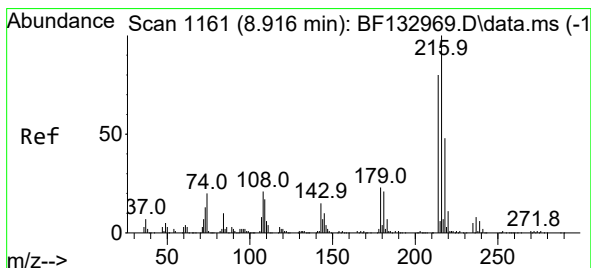
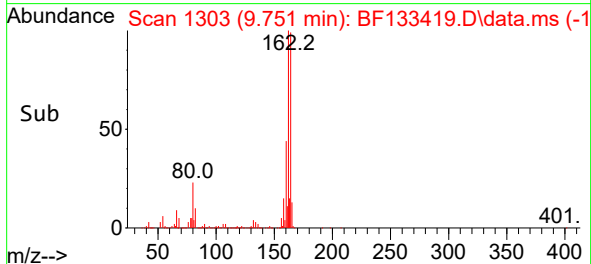
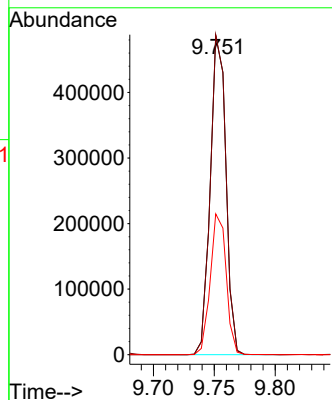
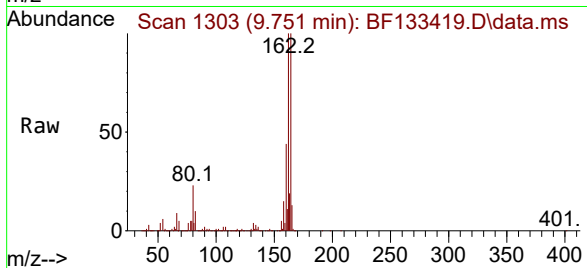
Tgt Ion:164 Resp: 434832

Ion Ratio Lower Upper

164 100

162 100.4 78.7 118.1

160 44.2 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.544 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Tgt Ion:216 Resp: 555862

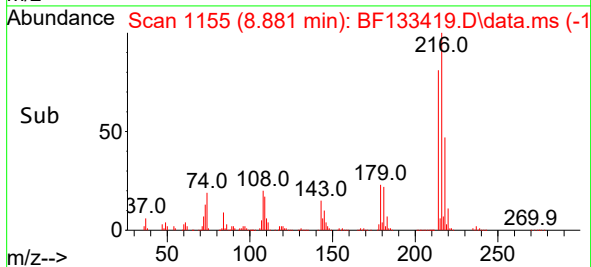
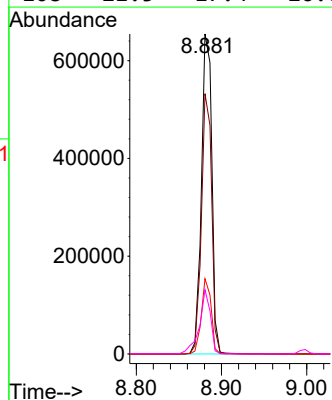
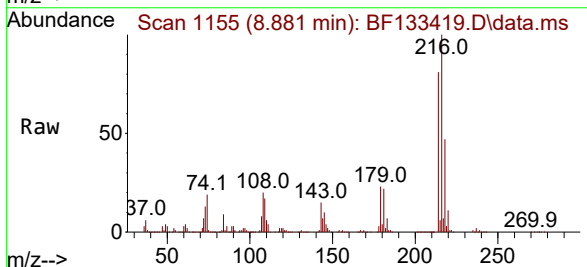
Ion Ratio Lower Upper

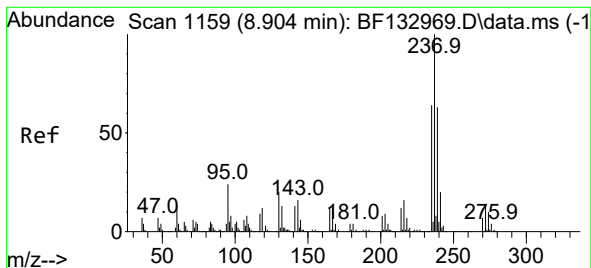
216 100

214 79.9 63.5 95.3

179 22.2 17.4 26.2

108 21.5 17.4 26.0





#41

Hexachlorocyclopentadiene

Concen: 82.933 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

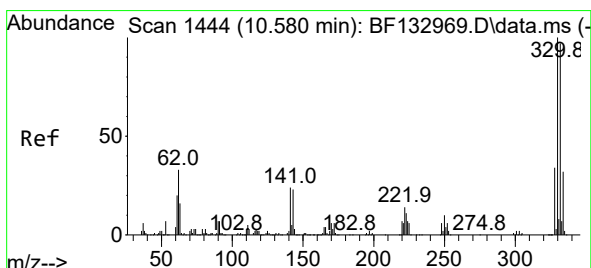
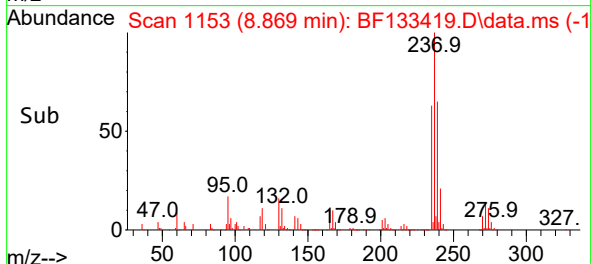
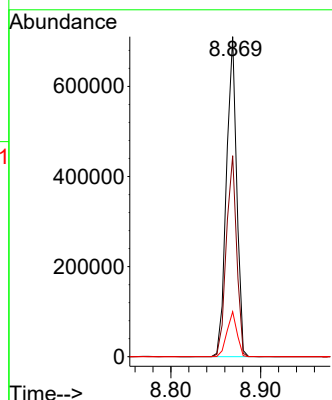
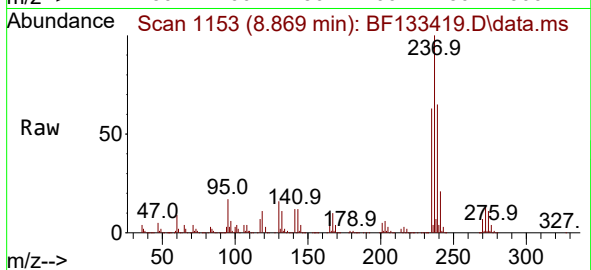
Tgt Ion:237 Resp: 565475

Ion Ratio Lower Upper

237 100

235 62.8 43.5 83.5

272 14.1 0.0 32.7



#42

2,4,6-Tribromophenol

Concen: 95.742 ng

RT: 10.545 min Scan# 1438

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

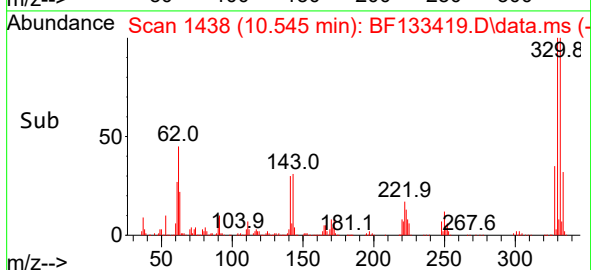
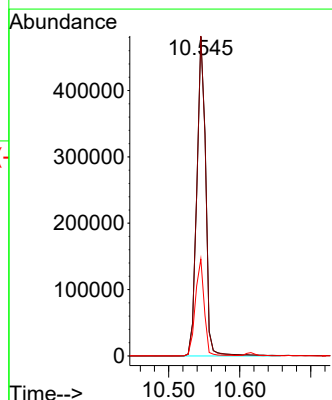
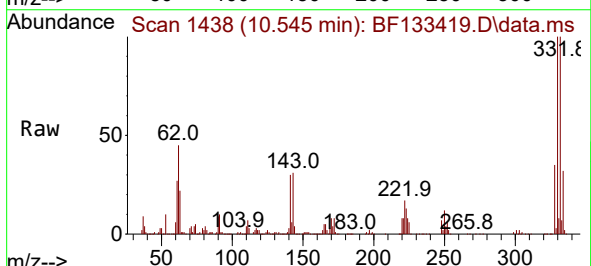
Tgt Ion:330 Resp: 418687

Ion Ratio Lower Upper

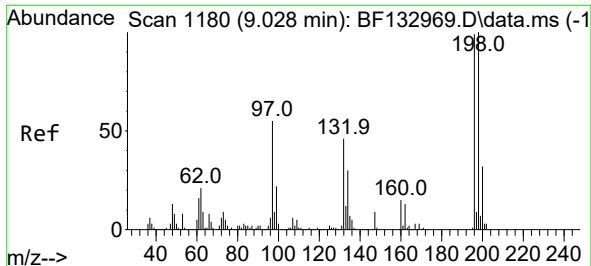
330 100

332 99.6 77.1 115.7

141 30.6 25.8 38.8







#43

2,4,6-Trichlorophenol

Concen: 47.957 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

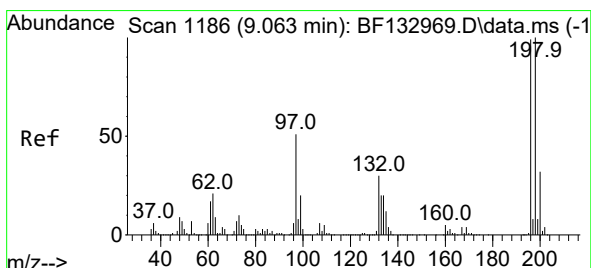
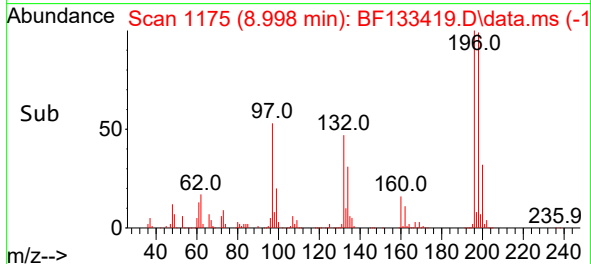
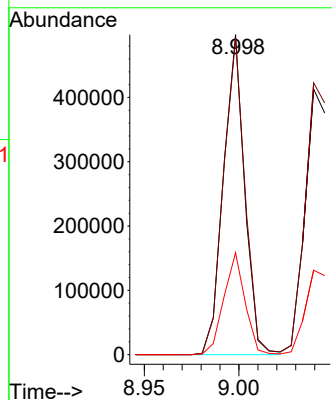
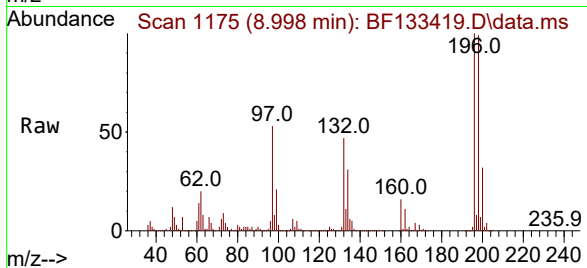
Tgt Ion:196 Resp: 387754

Ion Ratio Lower Upper

196 100

198 99.0 81.0 121.6

200 31.9 26.1 39.1



#44

2,4,5-Trichlorophenol

Concen: 44.643 ng

RT: 9.039 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Tgt Ion:196 Resp: 417458

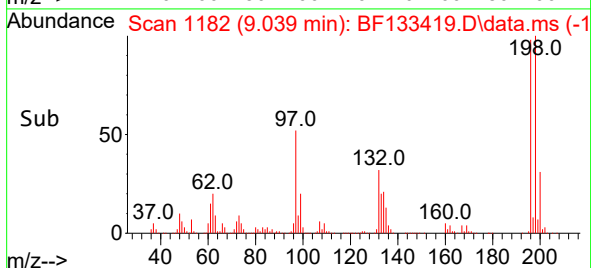
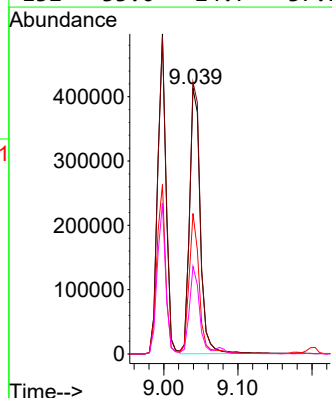
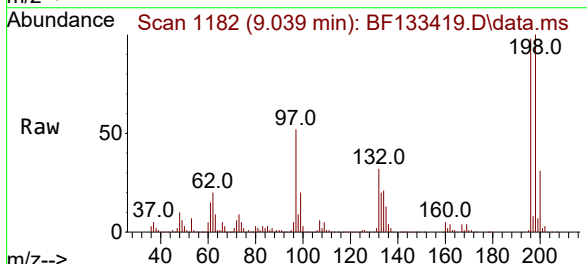
Ion Ratio Lower Upper

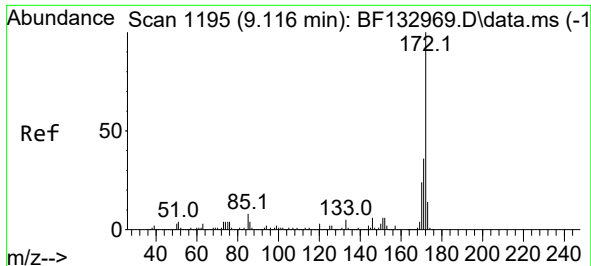
196 100

198 102.4 80.9 121.3

97 52.9 41.3 61.9

132 33.0 24.7 37.1

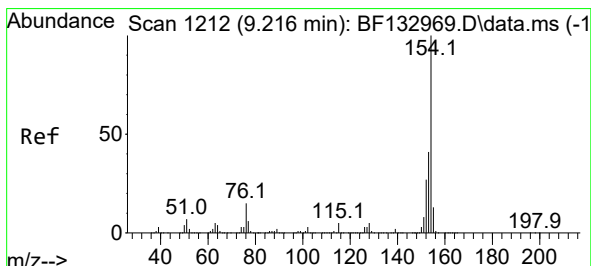
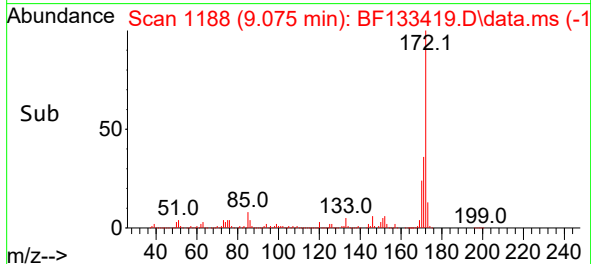
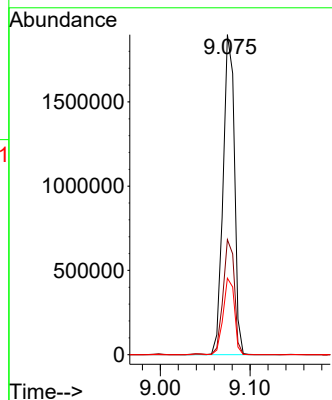
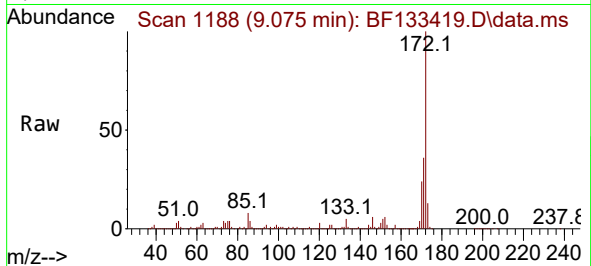




#45  
2-Fluorobiphenyl  
Concen: 64.268 ng  
RT: 9.075 min Scan# 1195  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

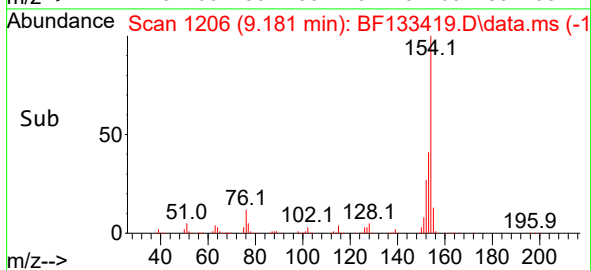
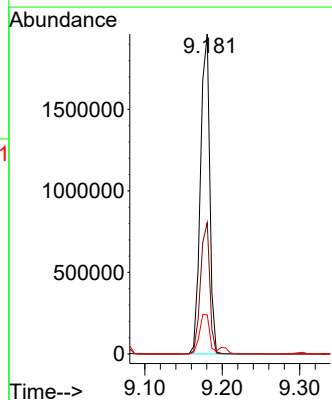
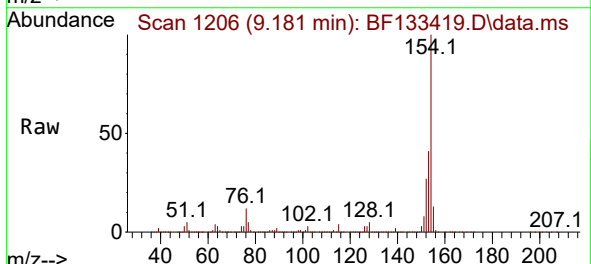
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

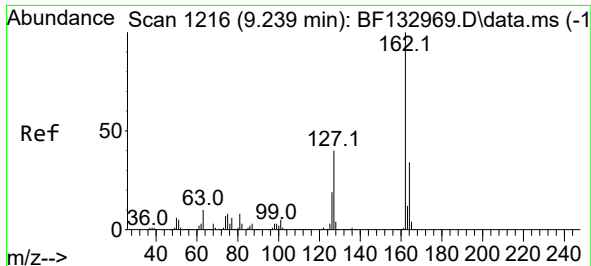
Tgt Ion:172 Resp: 1670403  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.8 43.2  
170 23.9 19.4 29.2



#46  
1,1'-Biphenyl  
Concen: 47.202 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:154 Resp: 1627524  
Ion Ratio Lower Upper  
154 100  
153 41.0 21.0 61.0  
76 12.3 0.0 34.5





#47

2-Chloronaphthalene

Concen: 47.628 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

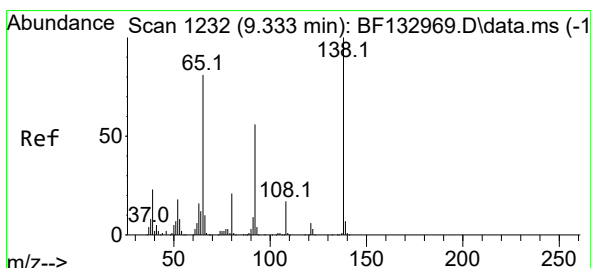
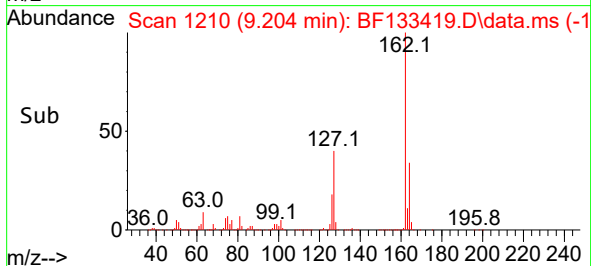
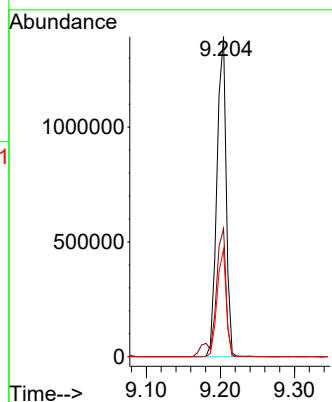
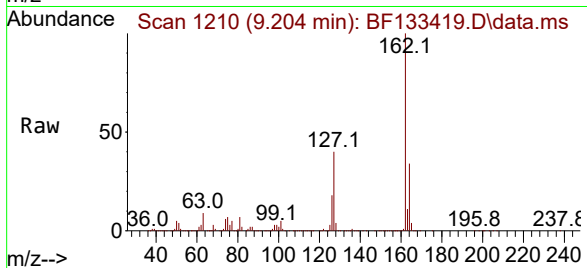
Tgt Ion:162 Resp: 1202000

Ion Ratio Lower Upper

162 100

127 40.1 32.3 48.5

164 33.5 26.8 40.2



#48

2-Nitroaniline

Concen: 45.733 ng

RT: 9.304 min Scan# 1227

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

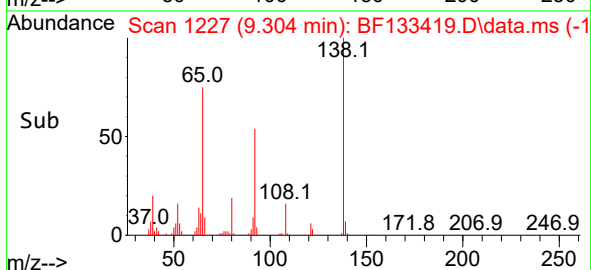
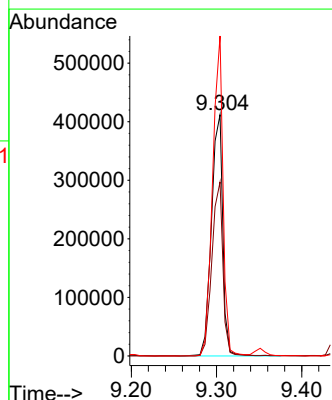
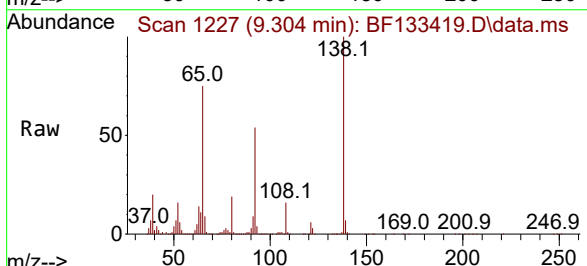
Tgt Ion: 65 Resp: 381446

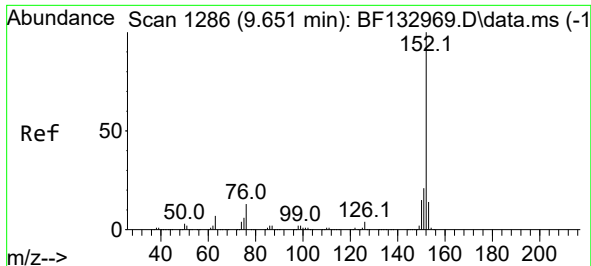
Ion Ratio Lower Upper

65 100

92 72.1 55.4 83.0

138 132.6 98.2 147.2

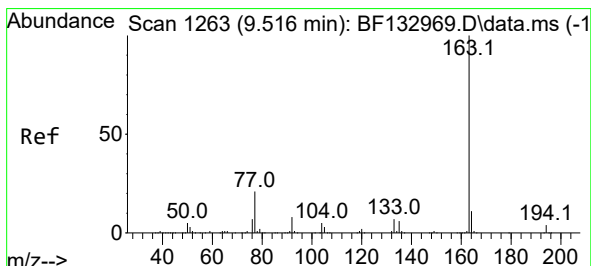
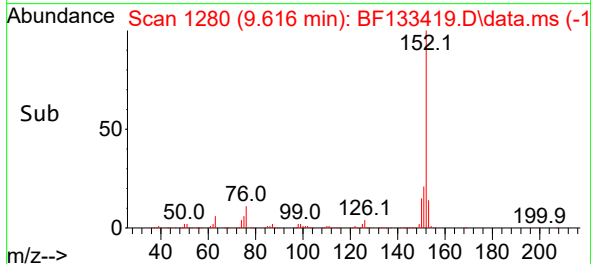
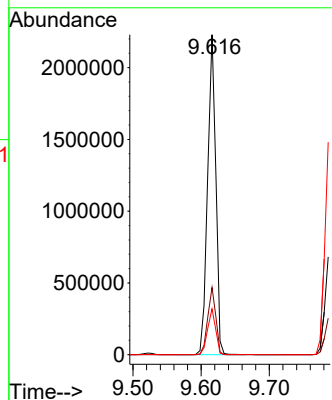
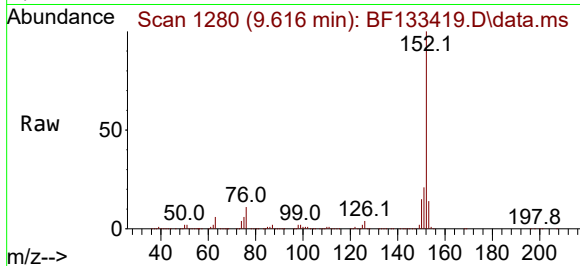




#49  
Acenaphthylene  
Concen: 46.206 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

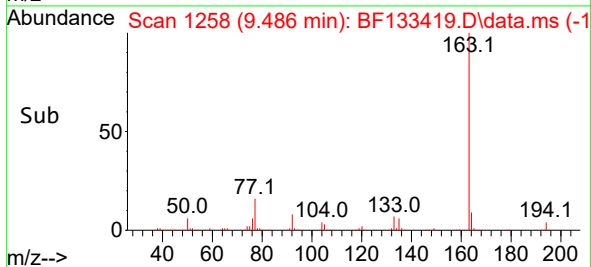
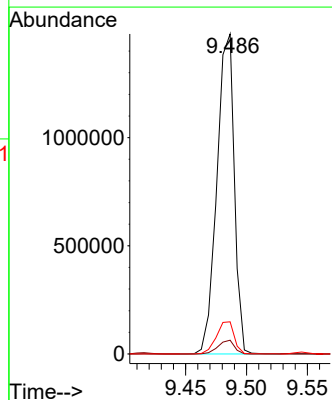
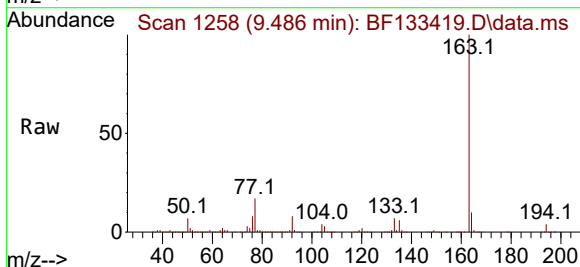
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

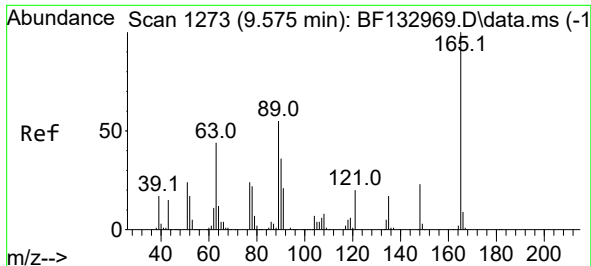
Tgt Ion:152 Resp: 1863270  
Ion Ratio Lower Upper  
152 100  
151 21.0 16.6 24.8  
153 14.3 11.5 17.3



#50  
Dimethylphthalate  
Concen: 48.597 ng  
RT: 9.486 min Scan# 1258  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:163 Resp: 1473460  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.1 4.7  
164 10.0 8.5 12.7

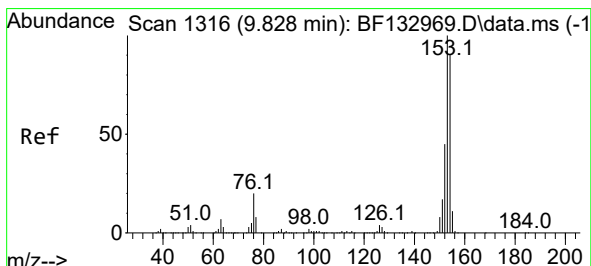
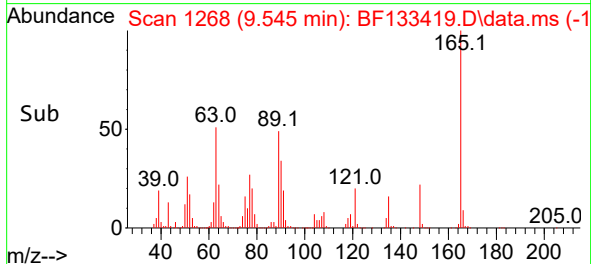
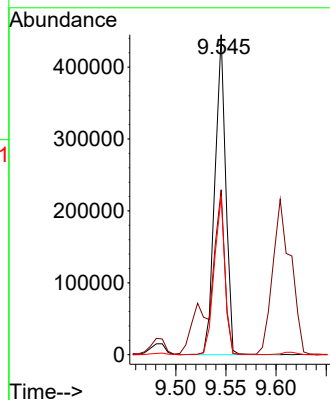
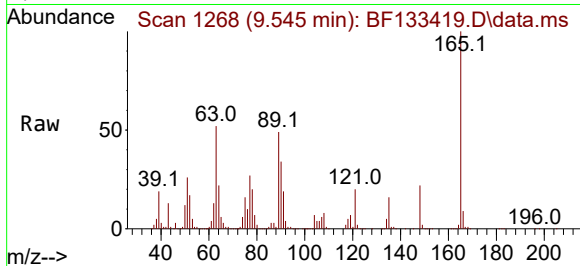




#51  
2,6-Dinitrotoluene  
Concen: 49.071 ng  
RT: 9.545 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

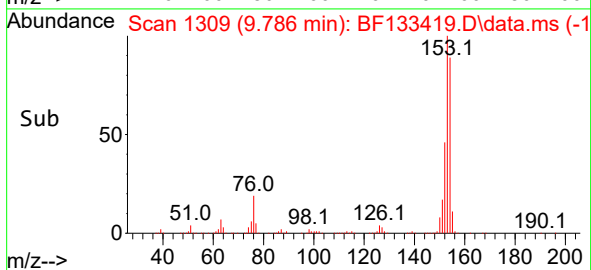
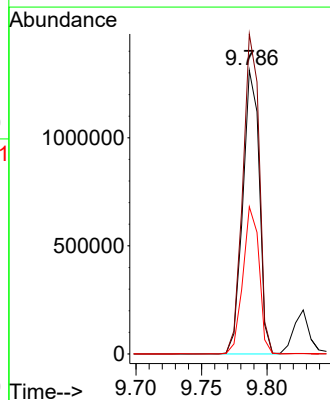
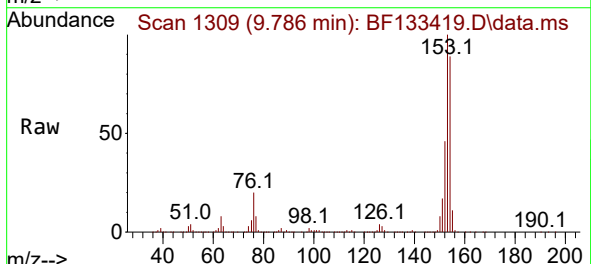
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

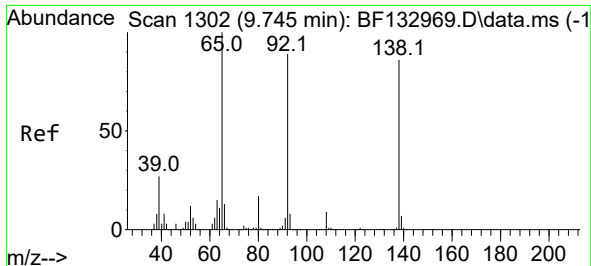
Tgt Ion:165 Resp: 334872  
Ion Ratio Lower Upper  
165 100  
63 51.5 45.9 68.9  
89 49.4 44.0 66.0



#52  
Acenaphthene  
Concen: 42.746 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:154 Resp: 1154483  
Ion Ratio Lower Upper  
154 100  
153 112.8 89.0 133.6  
152 51.9 40.4 60.6

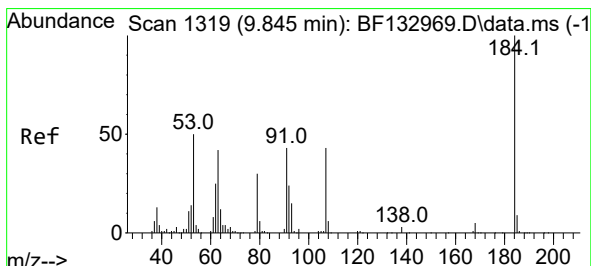
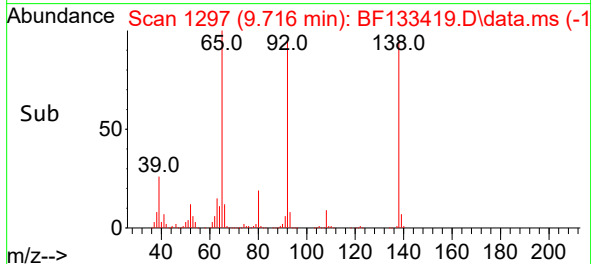
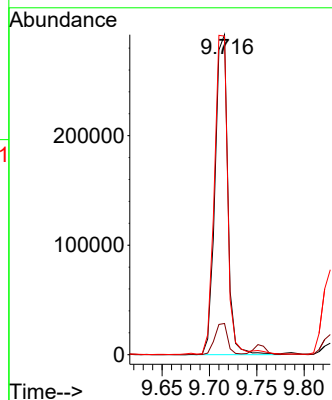
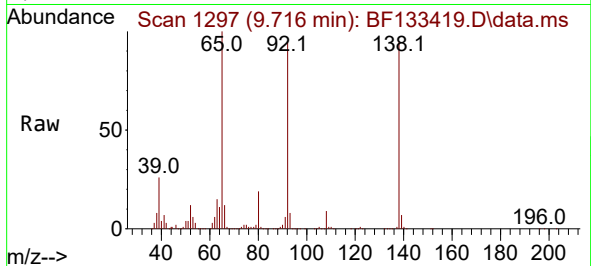




#53  
3-Nitroaniline  
Concen: 33.785 ng  
RT: 9.716 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

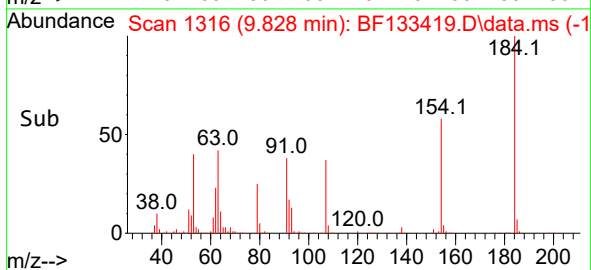
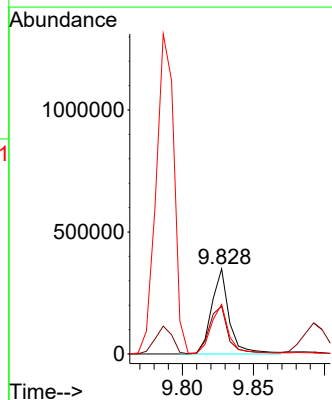
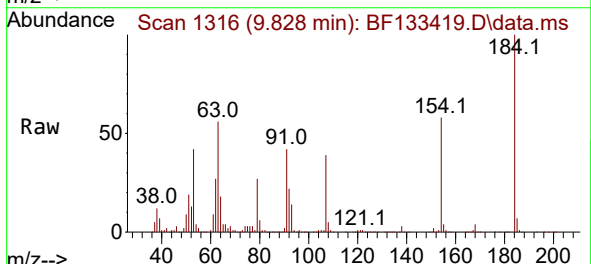
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

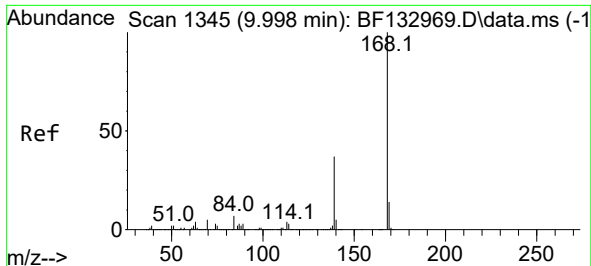
Tgt Ion:138 Resp: 274139  
Ion Ratio Lower Upper  
138 100  
108 9.7 8.0 12.0  
92 99.6 83.6 125.4



#54  
2,4-Dinitrophenol  
Concen: 87.791 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:184 Resp: 301140  
Ion Ratio Lower Upper  
184 100  
63 56.1 49.8 74.8  
154 58.4 49.5 74.3

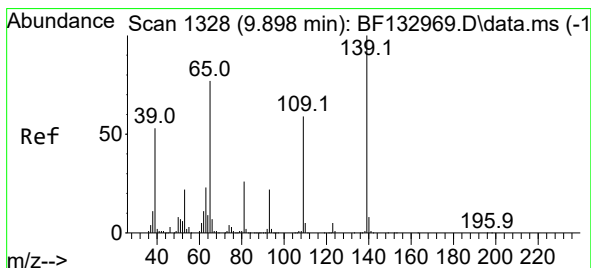
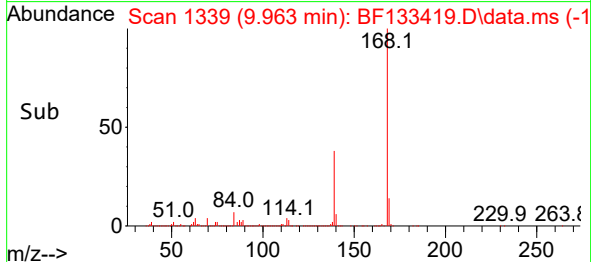
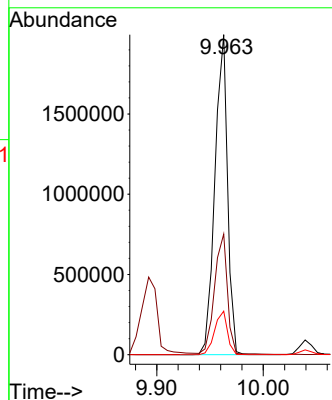
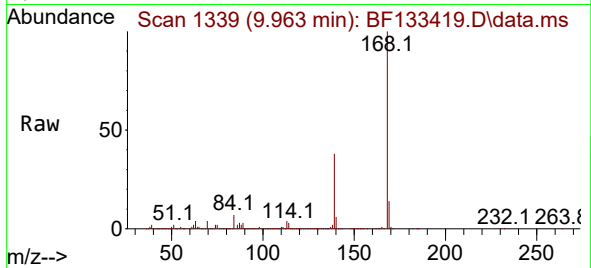




#55  
Dibenzofuran  
Concen: 44.672 ng  
RT: 9.963 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

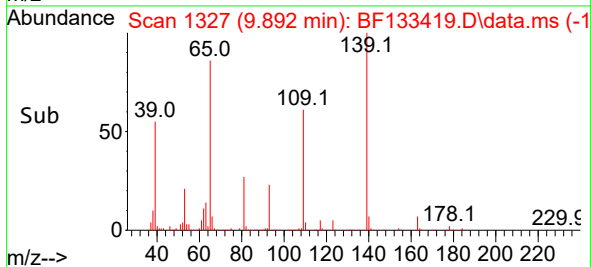
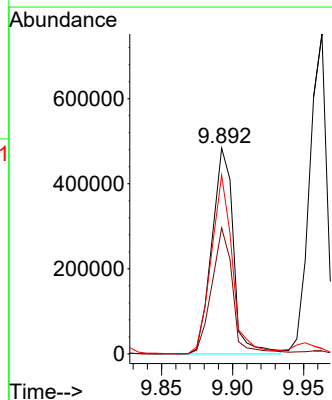
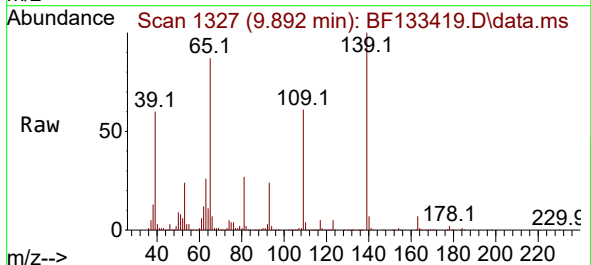
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

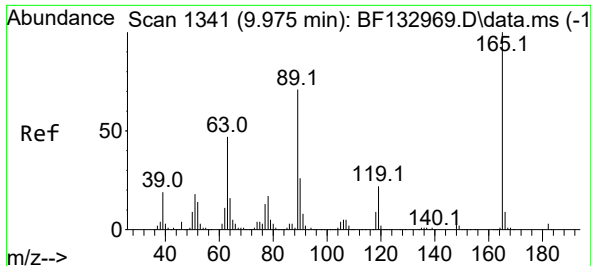
Tgt Ion:168 Resp: 1645783  
Ion Ratio Lower Upper  
168 100  
139 37.7 29.8 44.8  
169 13.6 10.8 16.2



#56  
4-Nitrophenol  
Concen: 80.924 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:139 Resp: 508576  
Ion Ratio Lower Upper  
139 100  
109 61.2 39.4 79.4  
65 86.8 57.5 97.5

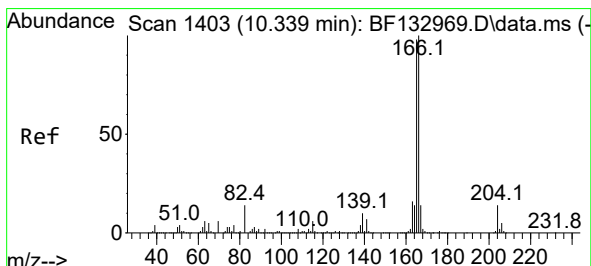
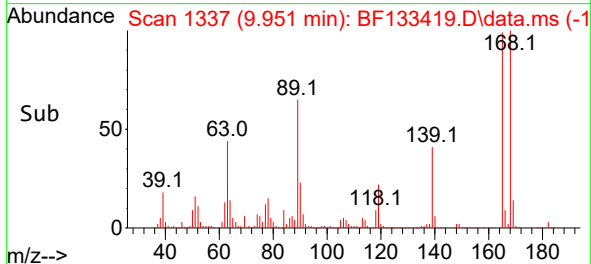
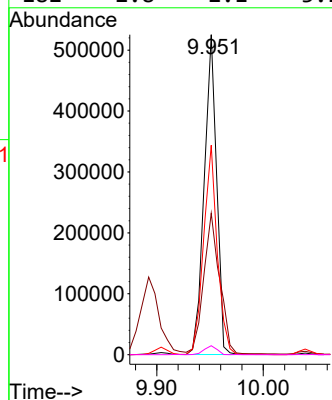
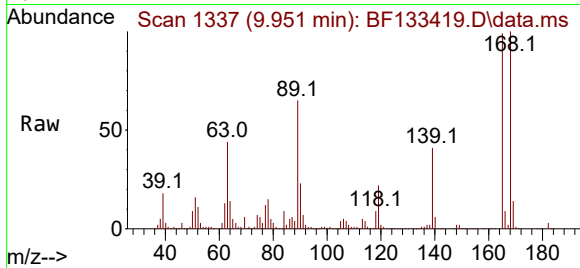




#57  
2,4-Dinitrotoluene  
Concen: 49.151 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

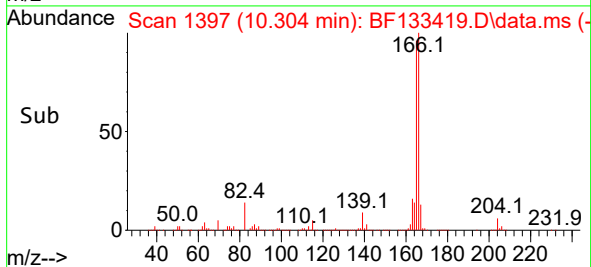
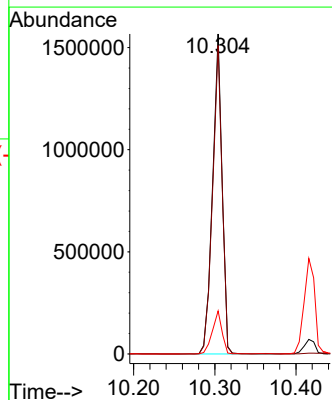
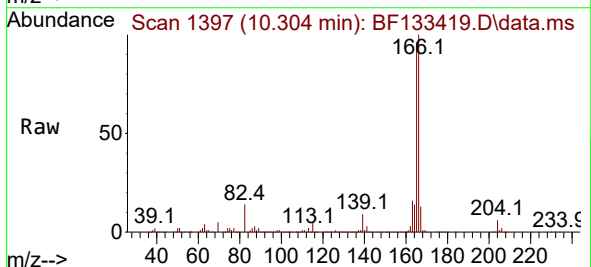
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

Tgt Ion:165 Resp: 427756  
Ion Ratio Lower Upper  
165 100  
63 44.2 37.7 56.5  
89 65.5 57.0 85.4  
182 2.8 2.1 3.1

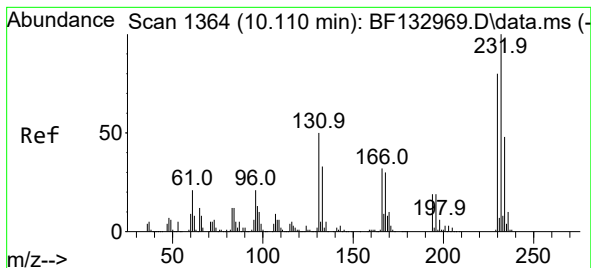


#58  
Fluorene  
Concen: 47.113 ng  
RT: 10.304 min Scan# 1397  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:166 Resp: 1271653  
Ion Ratio Lower Upper  
166 100  
165 96.4 78.6 117.8  
167 13.5 11.0 16.4



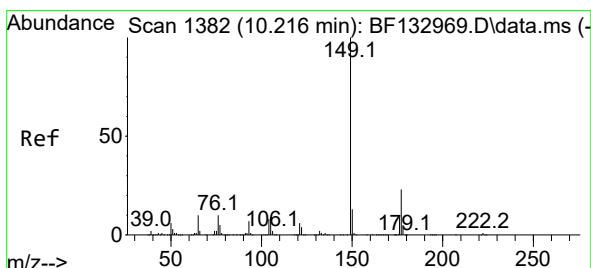
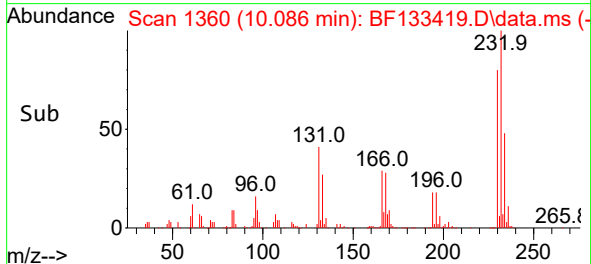
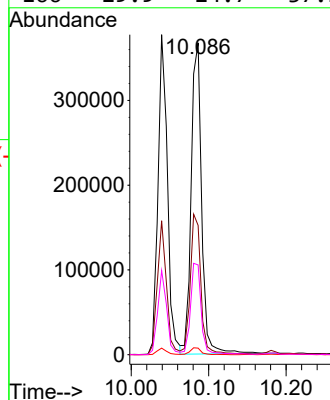
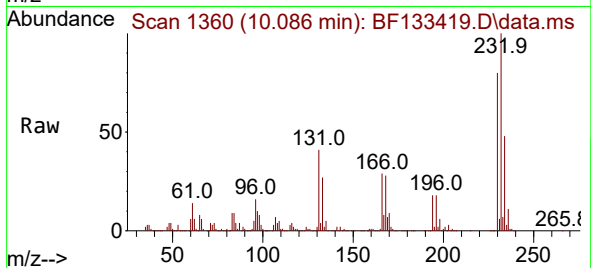




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.552 ng  
RT: 10.086 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

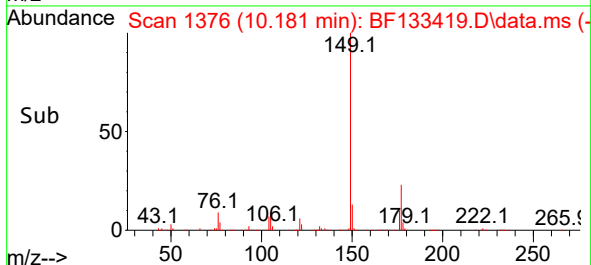
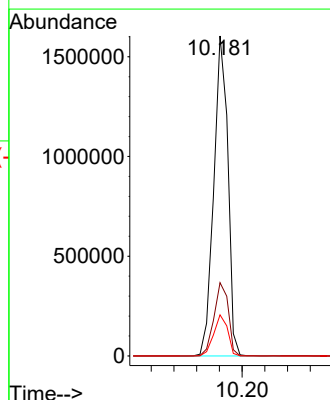
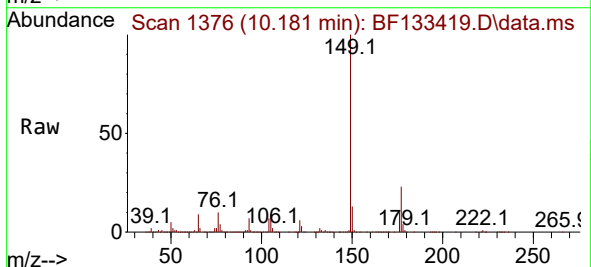
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

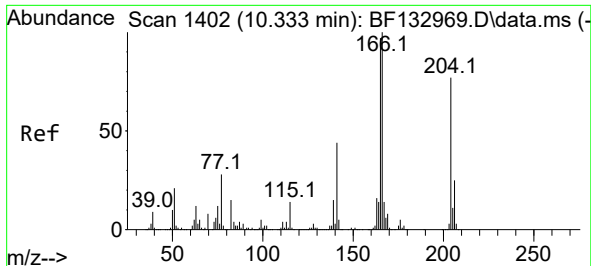
Tgt Ion:232 Resp: 344725  
Ion Ratio Lower Upper  
232 100  
131 45.2 38.0 57.0  
130 2.4 1.8 2.8  
166 29.9 24.7 37.1



#60  
Diethylphthalate  
Concen: 48.093 ng  
RT: 10.181 min Scan# 1376  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:149 Resp: 1377344  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.2 27.4  
150 12.9 10.2 15.4

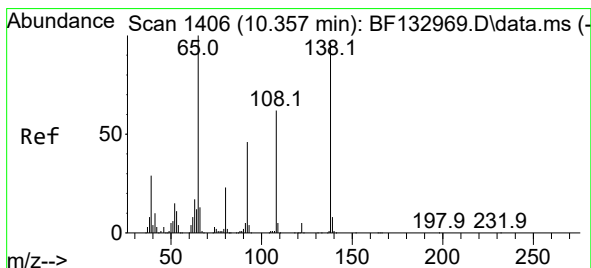
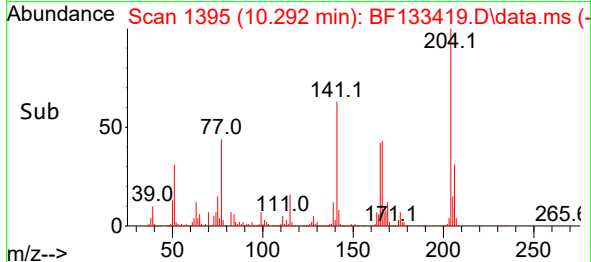
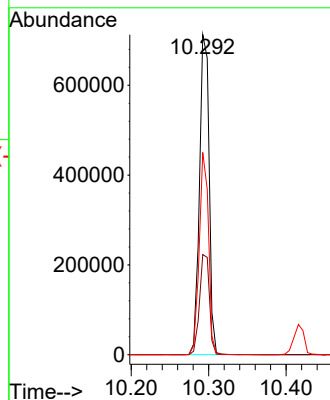
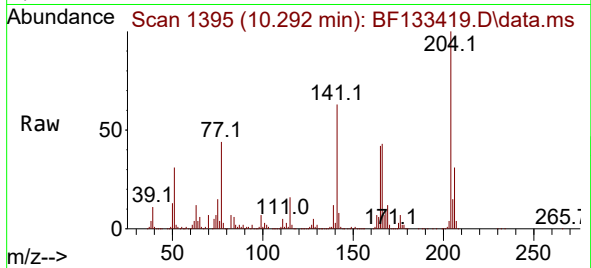




#61  
4-Chlorophenyl-phenylether  
Concen: 46.736 ng  
RT: 10.292 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

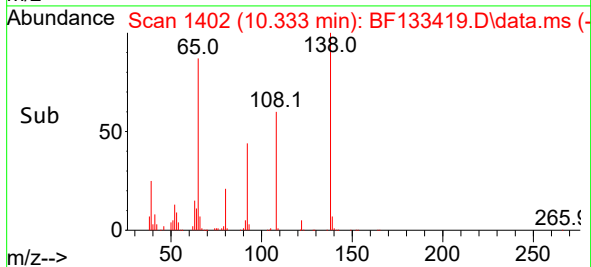
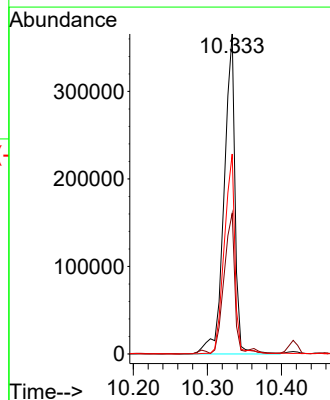
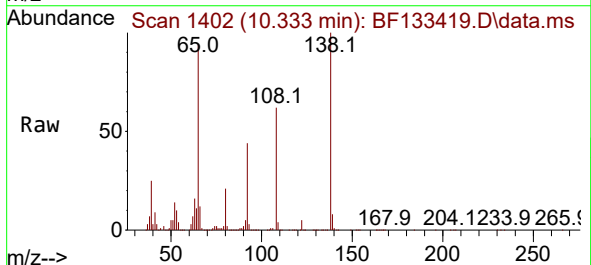
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

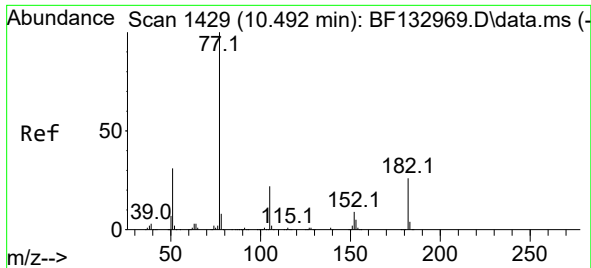
Tgt Ion:204 Resp: 614742  
Ion Ratio Lower Upper  
204 100  
206 31.3 26.1 39.1  
141 63.2 46.1 69.1



#62  
4-Nitroaniline  
Concen: 50.579 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. 0.000 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:138 Resp: 377203  
Ion Ratio Lower Upper  
138 100  
92 43.9 27.7 67.7  
108 62.5 45.2 85.2



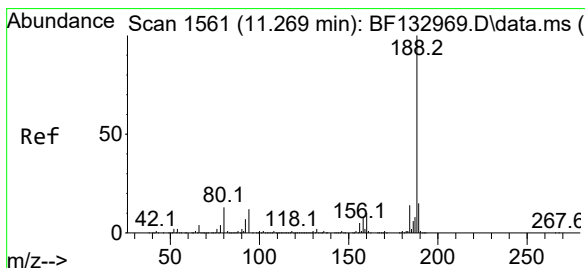
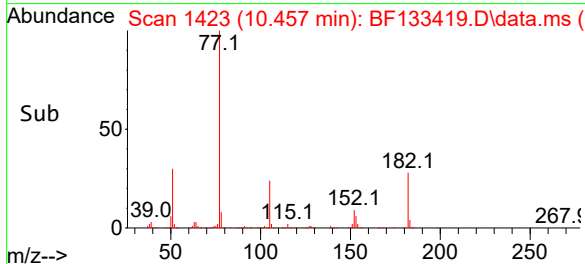
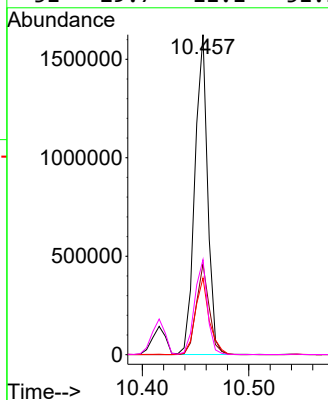
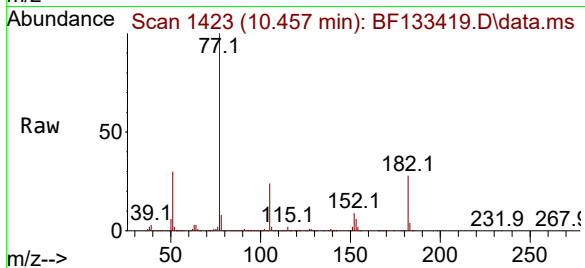


#63  
Azobenzene  
Concen: 44.700 ng  
RT: 10.457 min Scan# 14  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

Tgt Ion: 77 Resp: 1356132

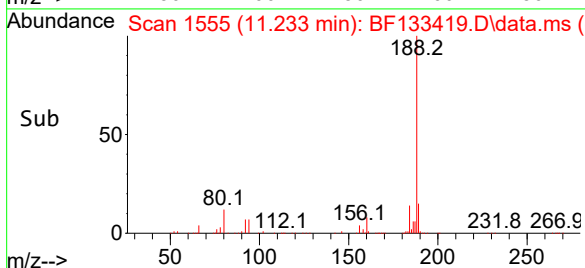
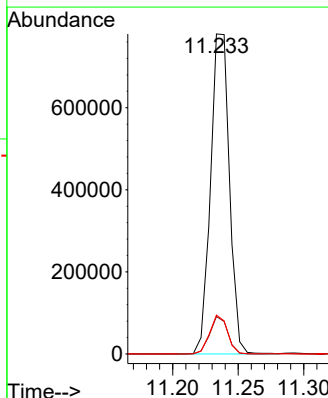
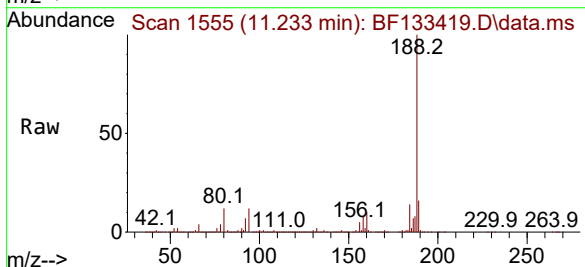
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 28.3  | 5.9   | 45.9  |
| 105 | 24.0  | 2.3   | 42.3  |
| 51  | 29.7  | 11.1  | 51.1  |

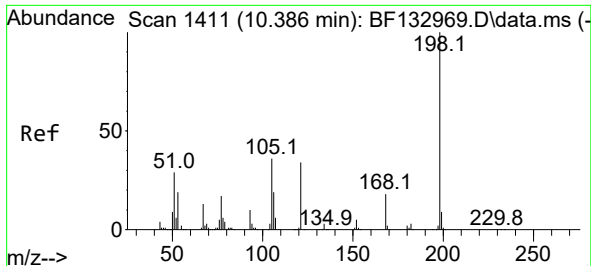


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.233 min Scan# 1555  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion: 188 Resp: 781847

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 11.7  | 9.7   | 14.5  |
| 80  | 12.1  | 10.4  | 15.6  |





#65

4,6-Dinitro-2-methylphenol

Concen: 50.549 ng

RT: 10.363 min Scan# 1411

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

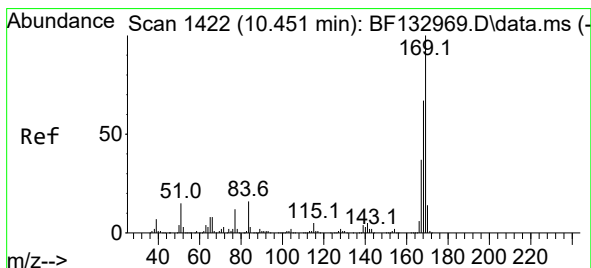
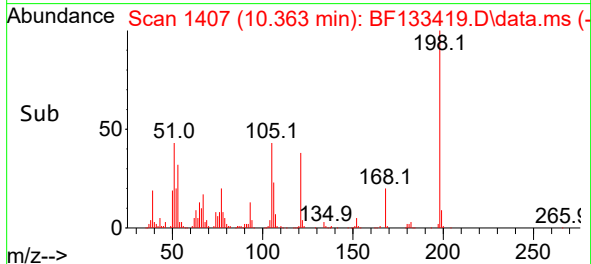
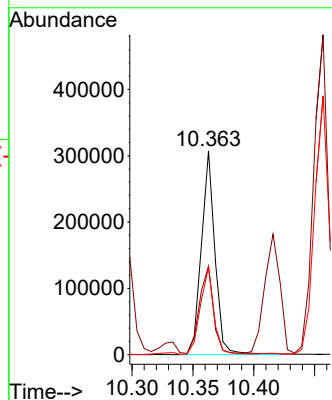
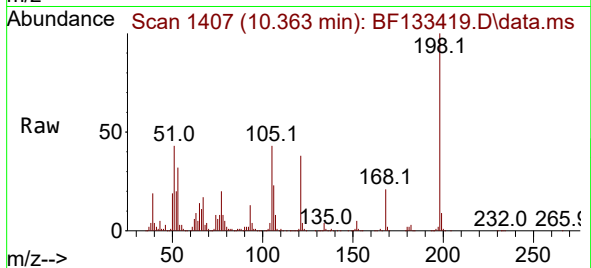
Tgt Ion:198 Resp: 239551

Ion Ratio Lower Upper

198 100

51 43.5 15.5 55.5

105 43.0 16.7 56.7



#66

n-Nitrosodiphenylamine

Concen: 46.005 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

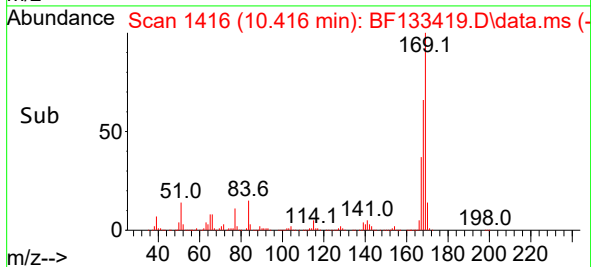
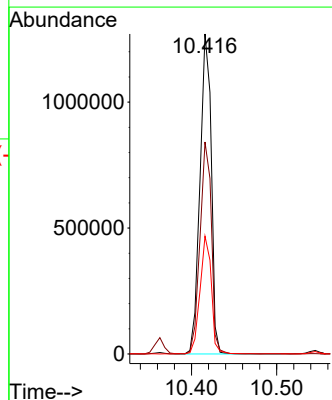
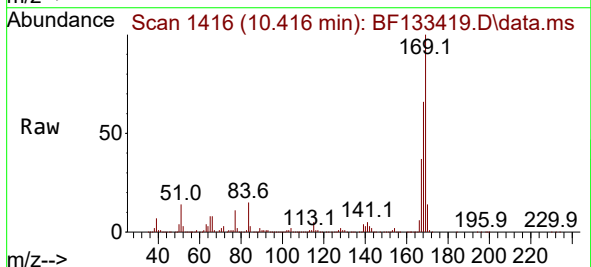
Tgt Ion:169 Resp: 1166746

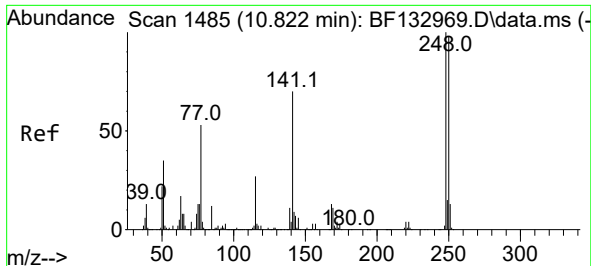
Ion Ratio Lower Upper

169 100

168 66.3 53.8 80.8

167 36.8 29.7 44.5

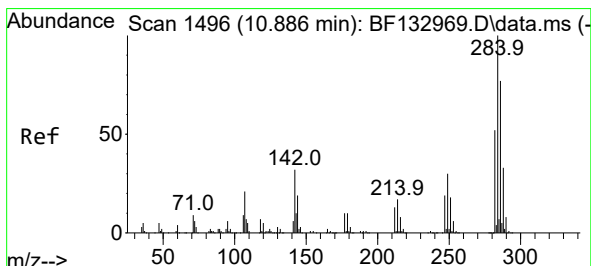
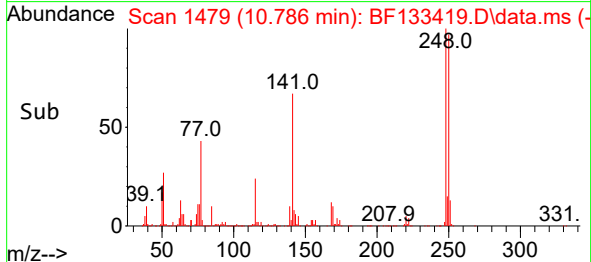
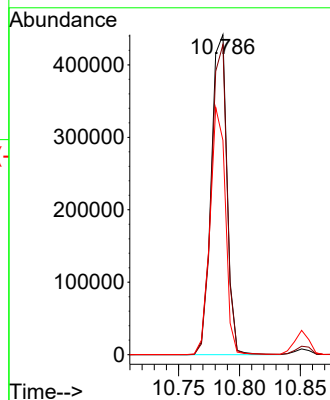
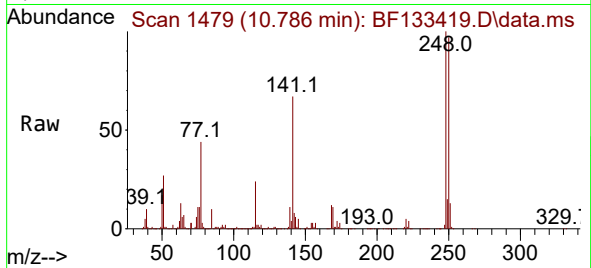




#67  
4-Bromophenyl-phenylether  
Concen: 46.953 ng  
RT: 10.786 min Scan# 1485  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

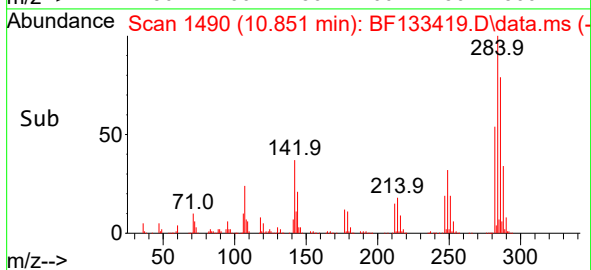
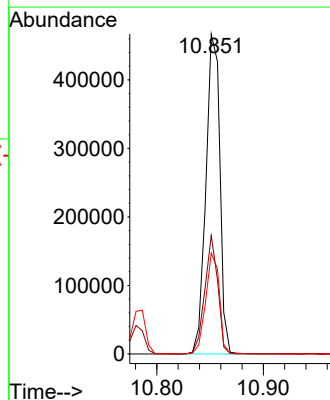
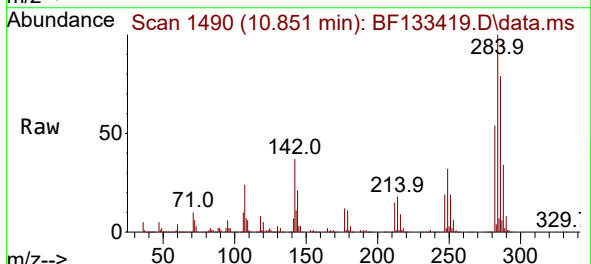
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

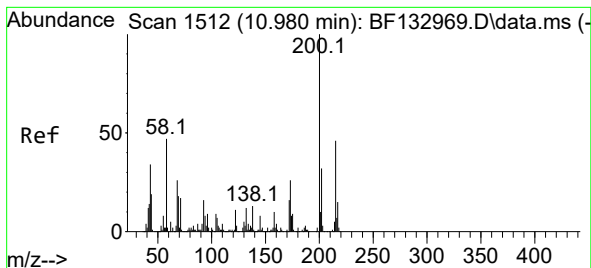
Tgt Ion:248 Resp: 398144  
Ion Ratio Lower Upper  
248 100  
250 96.9 78.7 118.1  
141 67.0 56.3 84.5



#68  
Hexachlorobenzene  
Concen: 49.198 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:284 Resp: 427481  
Ion Ratio Lower Upper  
284 100  
142 37.0 26.0 39.0  
249 31.6 23.7 35.5





#69

Atrazine

Concen: 55.869 ng

RT: 10.951 min Scan# 1507

Delta R.T. 0.000 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

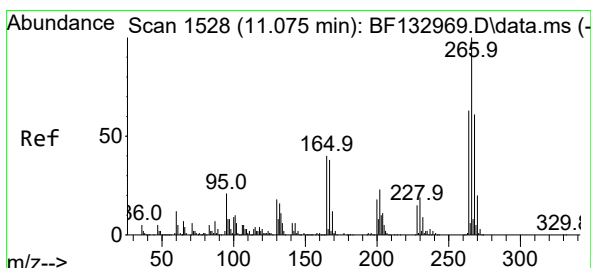
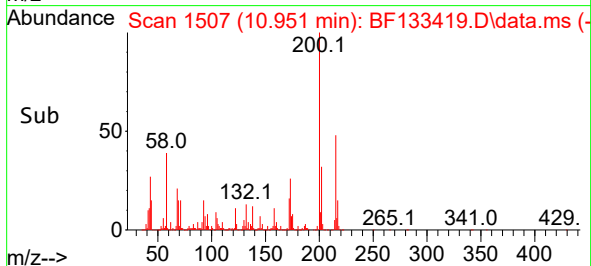
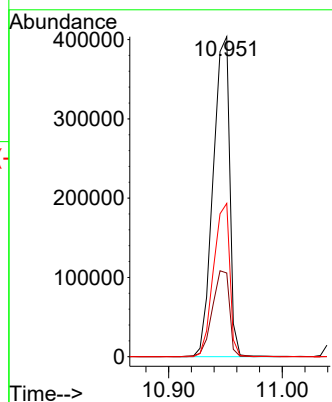
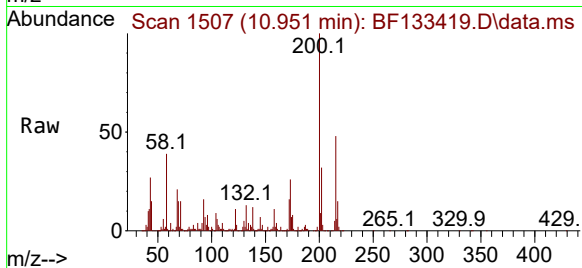
Tgt Ion:200 Resp: 408275

Ion Ratio Lower Upper

200 100

173 26.1 6.2 46.2

215 47.9 26.3 66.3



#70

Pentachlorophenol

Concen: 64.221 ng

RT: 11.051 min Scan# 1524

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

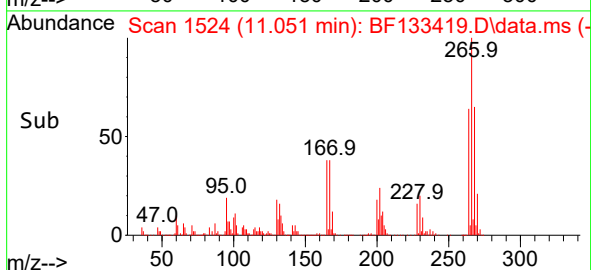
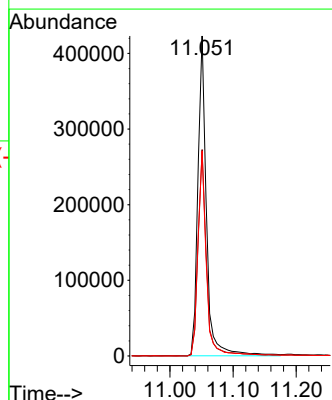
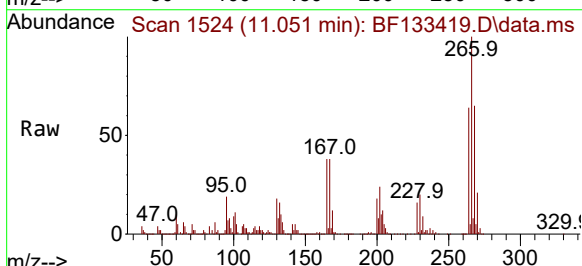
Tgt Ion:266 Resp: 397414

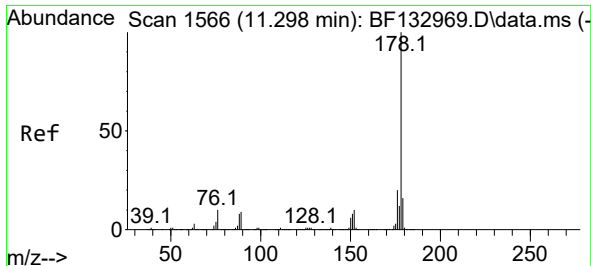
Ion Ratio Lower Upper

266 100

268 64.5 48.8 73.2

264 64.0 50.6 76.0

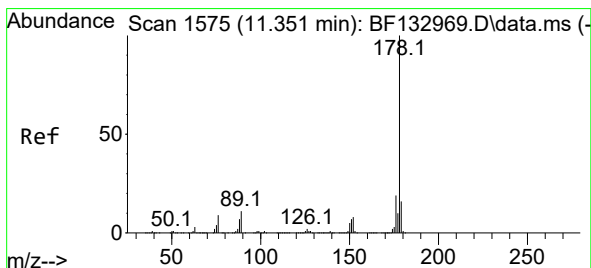
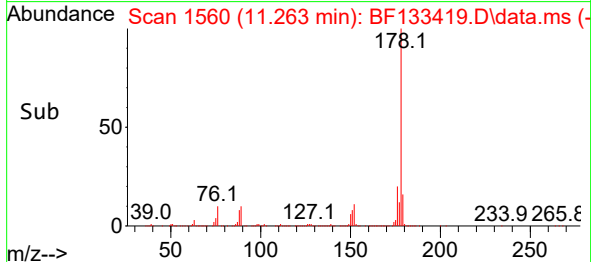
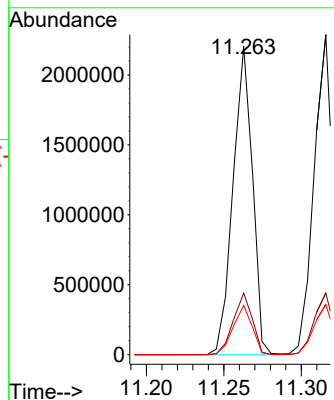
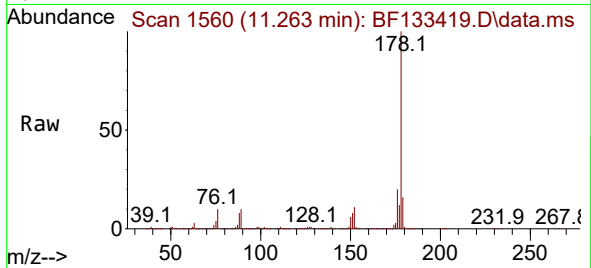




#71  
Phenanthrene  
Concen: 45.665 ng  
RT: 11.263 min Scan# 1560  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

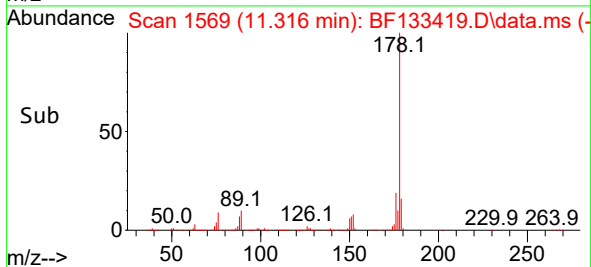
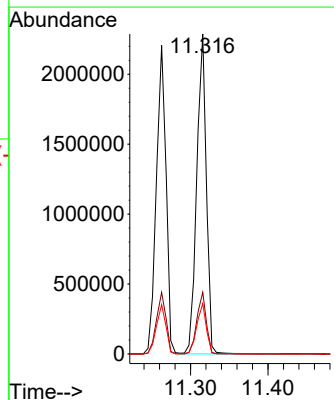
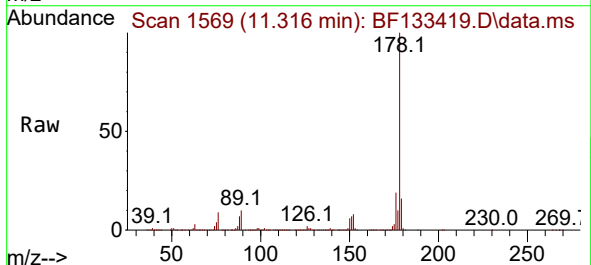
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BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

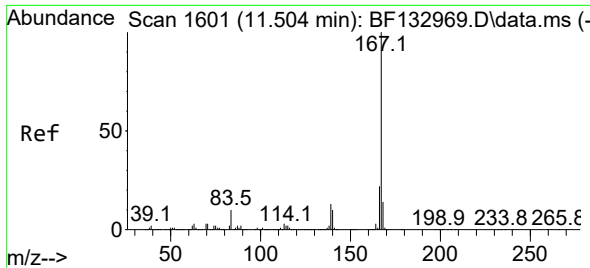
Tgt Ion:178 Resp: 1918934  
Ion Ratio Lower Upper  
178 100  
176 20.0 15.9 23.9  
179 16.0 12.5 18.7



#72  
Anthracene  
Concen: 45.794 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:178 Resp: 1969375  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 15.7 12.4 18.6

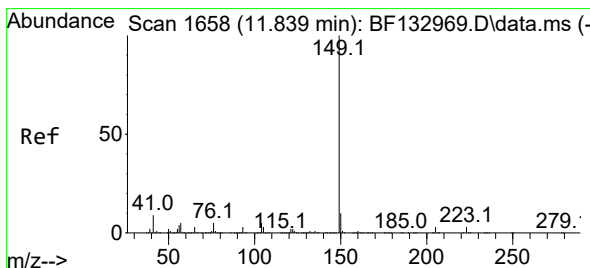
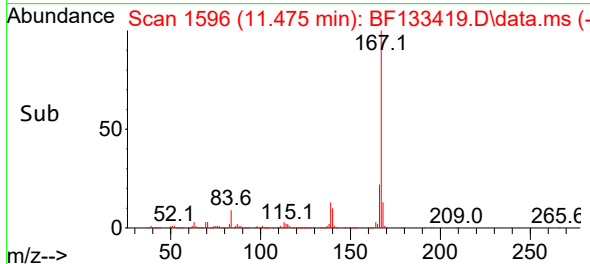
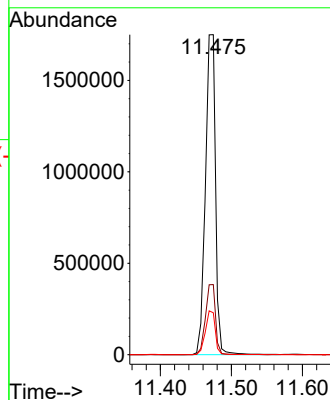
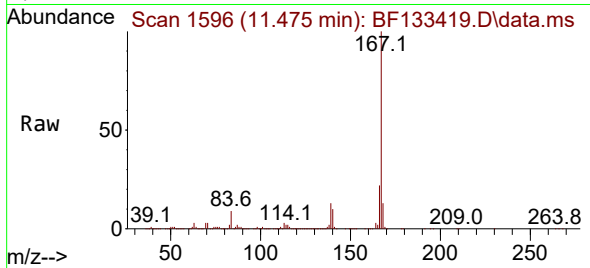




#73  
 Carbazole  
 Concen: 45.294 ng  
 RT: 11.475 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

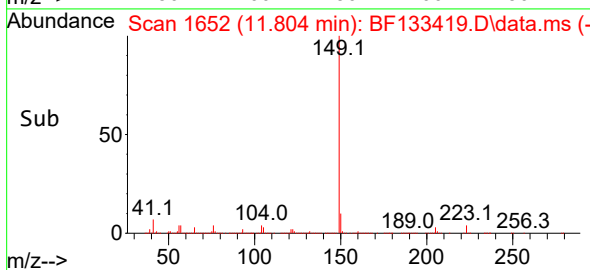
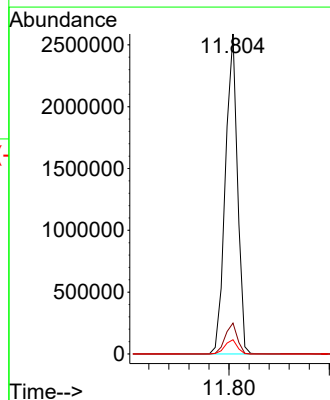
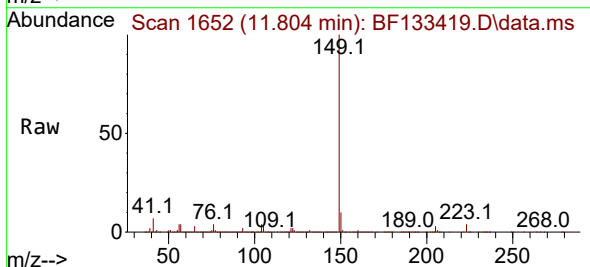
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-B4-10-13MSD

Tgt Ion:167 Resp: 1734434  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.0  
 139 13.1 10.6 16.0

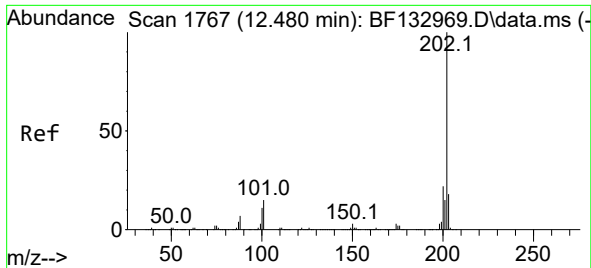


#74  
 Di-n-butylphthalate  
 Concen: 49.993 ng  
 RT: 11.804 min Scan# 1652  
 Delta R.T. -0.006 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

Tgt Ion:149 Resp: 2166399  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.6 11.4  
 104 4.5 4.0 6.0



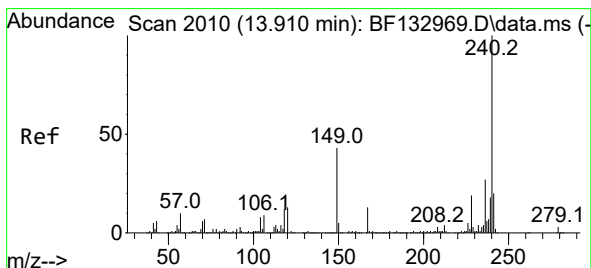
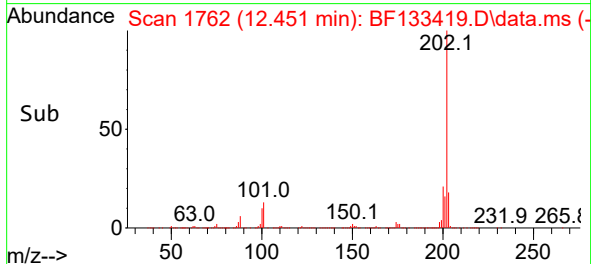
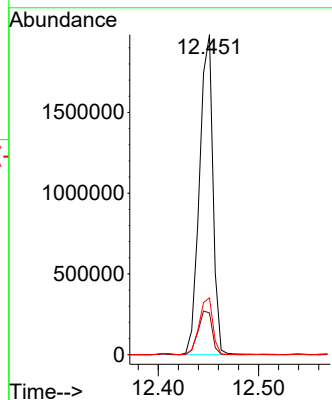
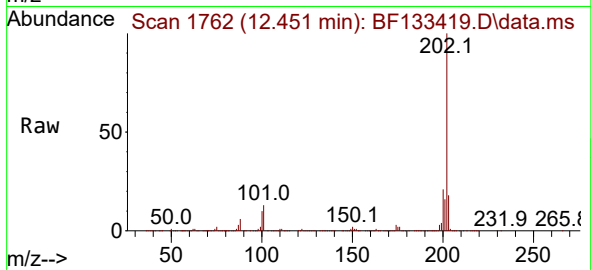




#75  
Fluoranthene  
Concen: 43.848 ng  
RT: 12.451 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

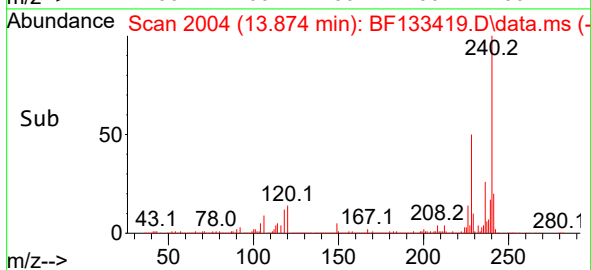
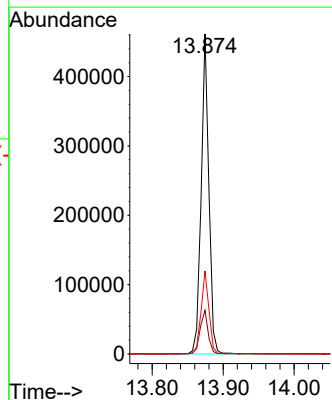
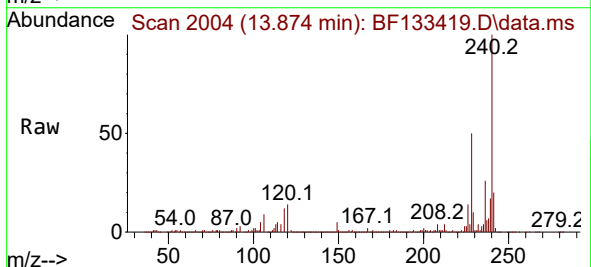
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

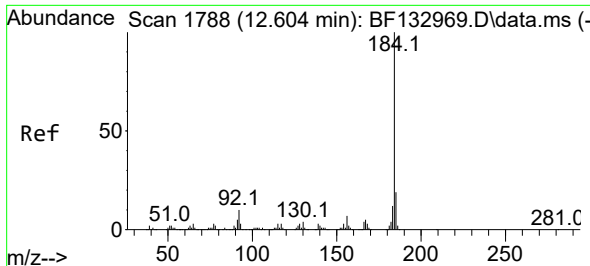
Tgt Ion:202 Resp: 1849254  
Ion Ratio Lower Upper  
202 100  
101 13.0 0.0 35.3  
203 17.8 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.874 min Scan# 2004  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:240 Resp: 348207  
Ion Ratio Lower Upper  
240 100  
120 13.6 10.5 15.7  
236 25.9 21.5 32.3

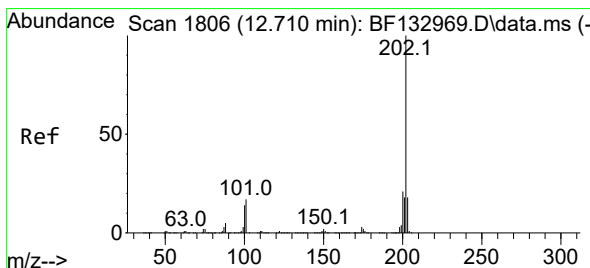
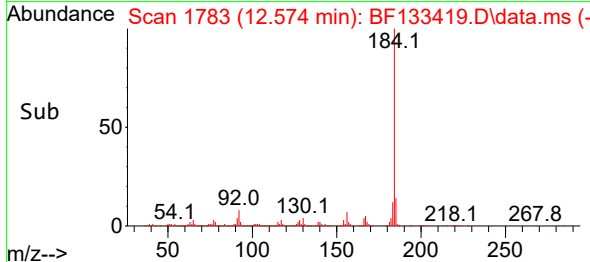
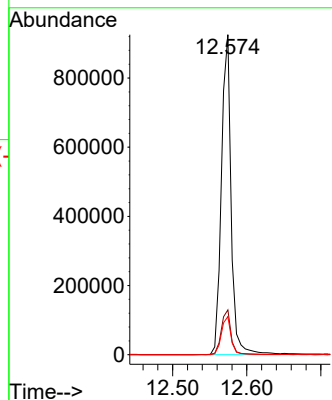
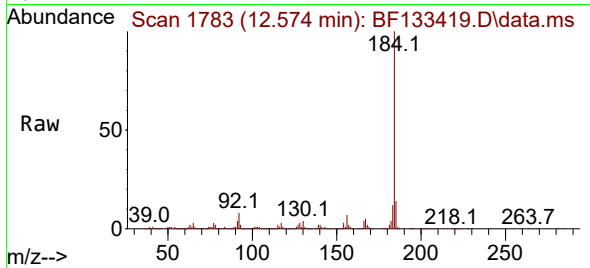




#77  
Benzidine  
Concen: 143.146 ng  
RT: 12.574 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

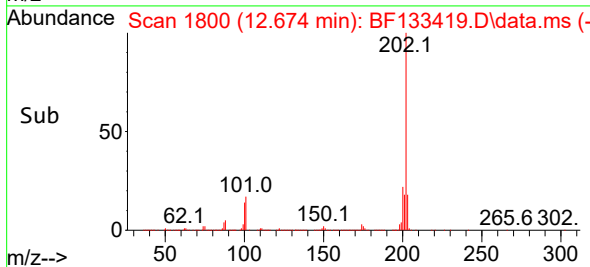
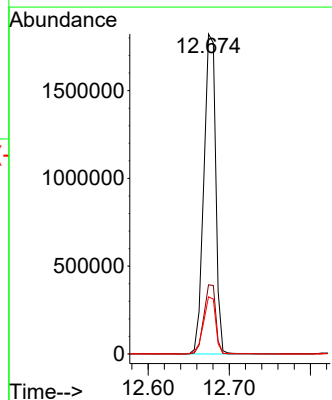
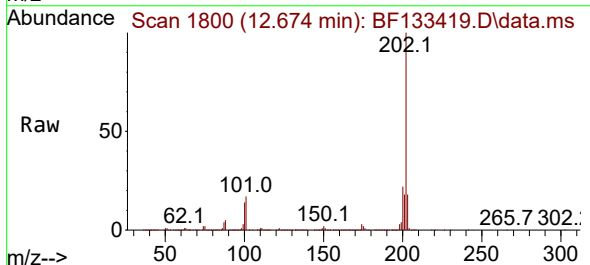
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

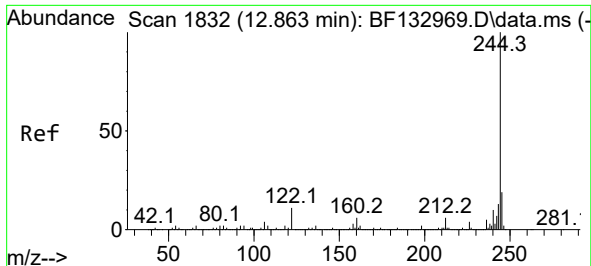
Tgt Ion:184 Resp: 842896  
Ion Ratio Lower Upper  
184 100  
185 14.0 15.4 23.2#  
183 11.9 9.4 14.0



#78  
Pyrene  
Concen: 61.904 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:202 Resp: 1847783  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.1 25.7  
203 17.9 14.1 21.1

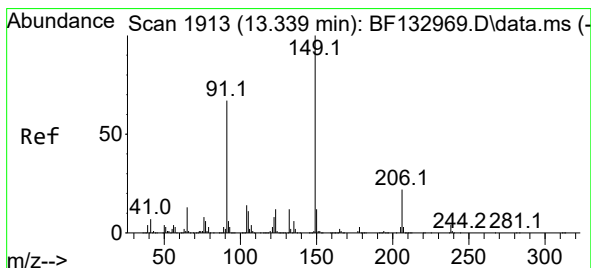
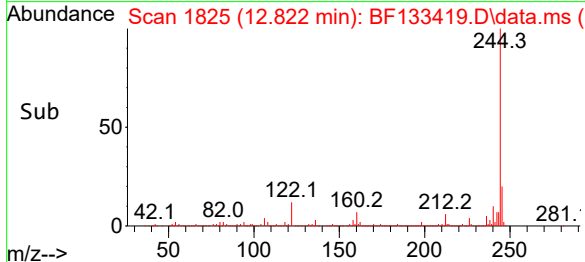
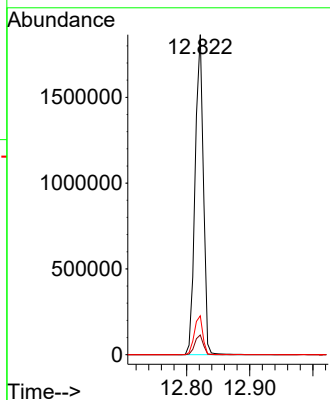
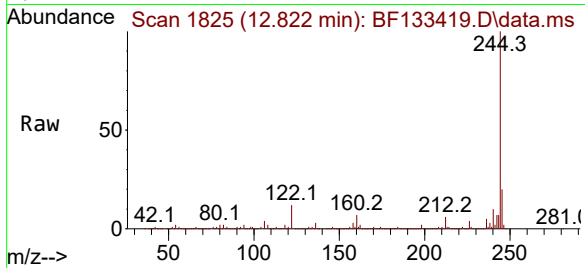




#79  
 Terphenyl-d14  
 Concen: 83.217 ng  
 RT: 12.822 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

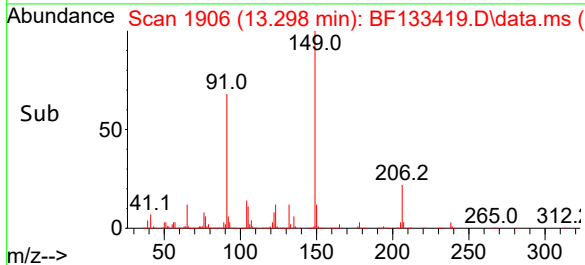
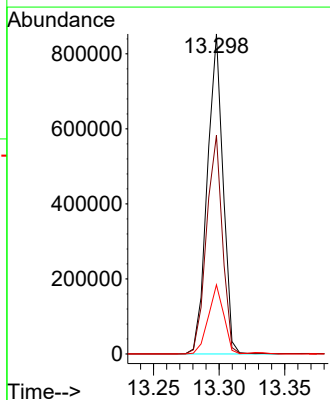
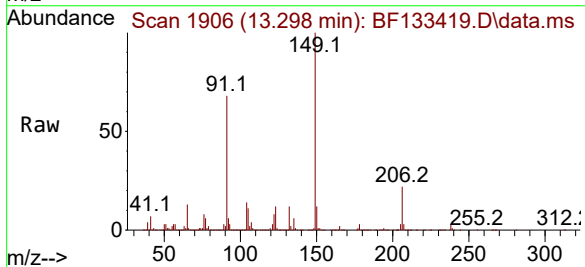
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WG-0516-B4-10-13MSD

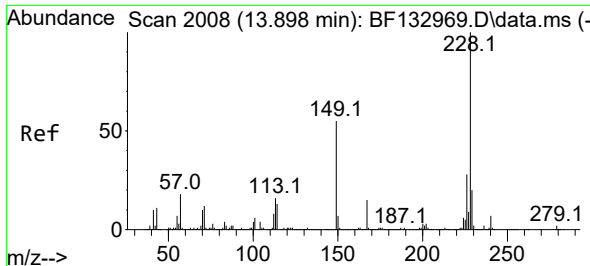
Tgt Ion:244 Resp: 1680143  
 Ion Ratio Lower Upper  
 244 100  
 212 6.1 5.1 7.7  
 122 12.1 8.6 13.0



#80  
 Butylbenzylphthalate  
 Concen: 67.411 ng  
 RT: 13.298 min Scan# 1906  
 Delta R.T. -0.006 min  
 Lab File: BF133419.D  
 Acq: 17 May 2023 18:17

Tgt Ion:149 Resp: 712459  
 Ion Ratio Lower Upper  
 149 100  
 91 68.3 53.8 80.6  
 206 21.6 17.5 26.3

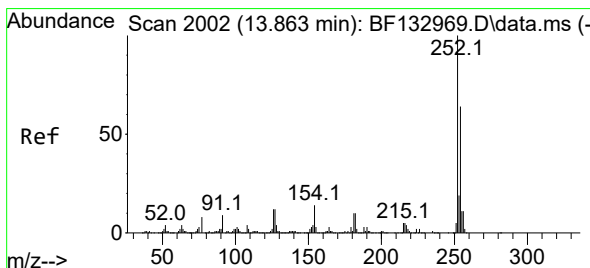
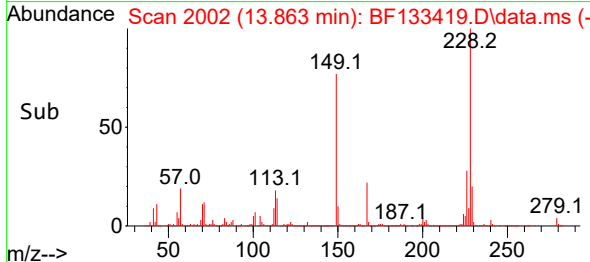
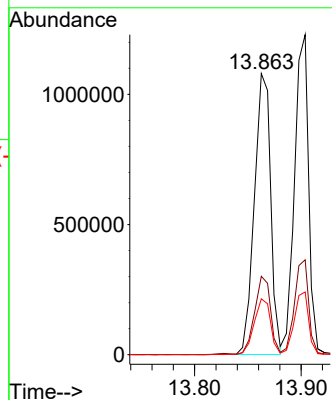
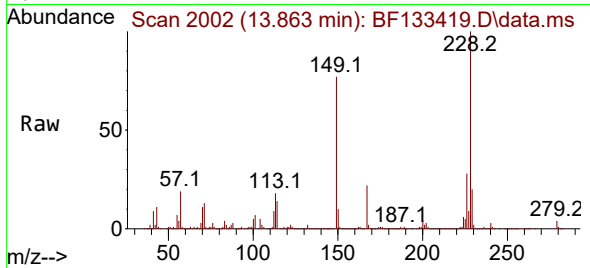




#81  
Benzo(a)anthracene  
Concen: 47.876 ng  
RT: 13.863 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

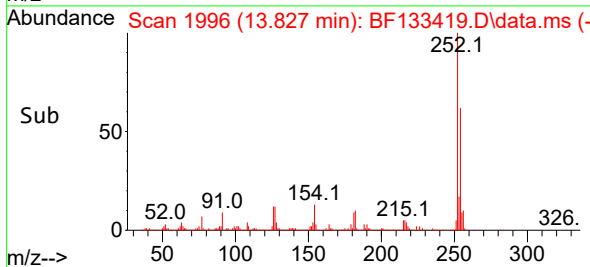
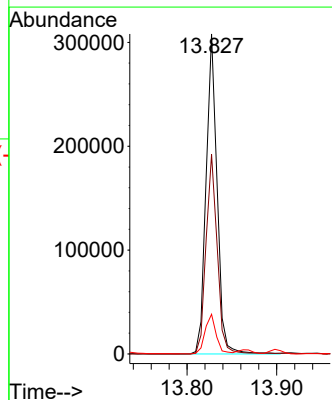
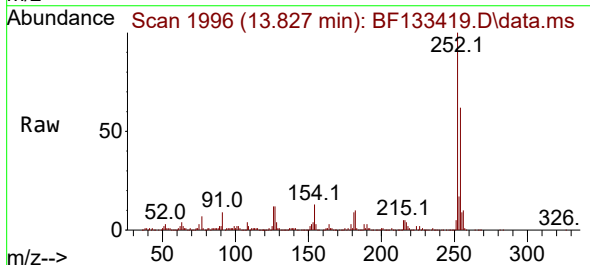
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

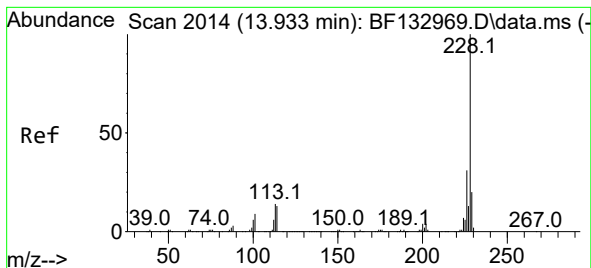
Tgt Ion:228 Resp: 1146395  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.2 33.4  
229 19.9 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 39.740 ng  
RT: 13.827 min Scan# 1996  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:252 Resp: 262875  
Ion Ratio Lower Upper  
252 100  
254 62.4 51.5 77.3  
126 12.4 9.5 14.3





#83

Chrysene

Concen: 47.189 ng

RT: 13.904 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

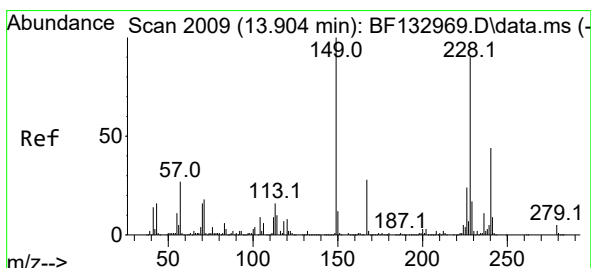
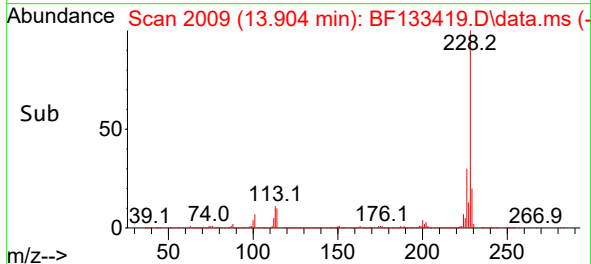
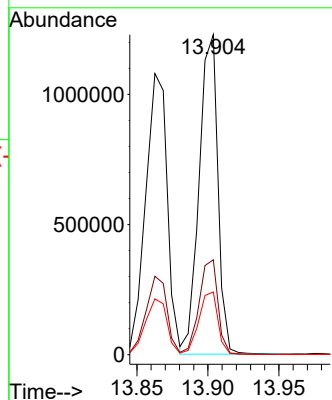
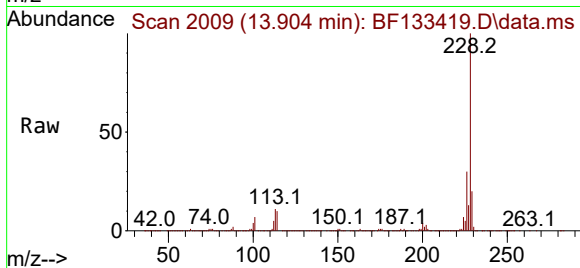
Tgt Ion:228 Resp: 1129662

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

229 19.6 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.567 ng

RT: 13.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

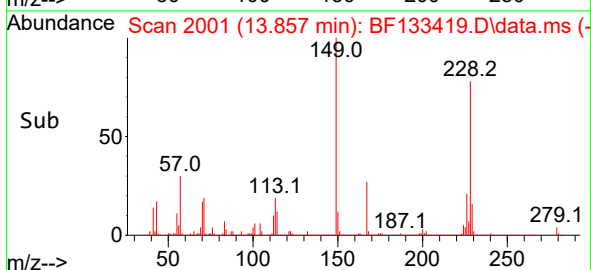
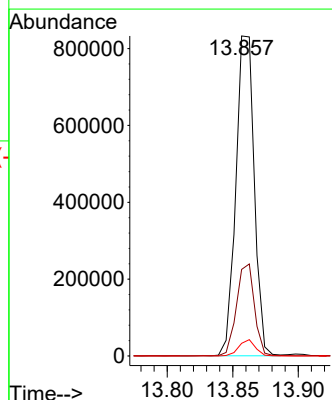
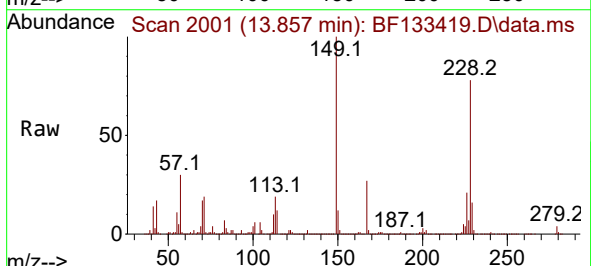
Tgt Ion:149 Resp: 816738

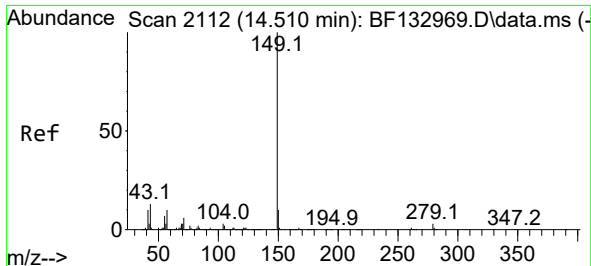
Ion Ratio Lower Upper

149 100

167 27.0 22.5 33.7

279 4.0 4.2 6.4#

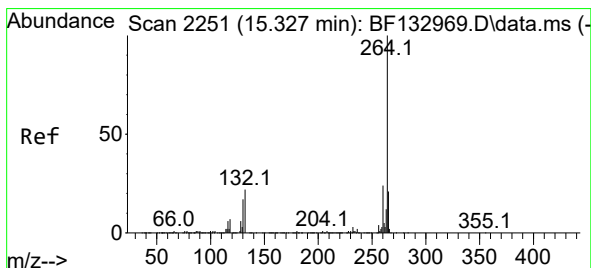
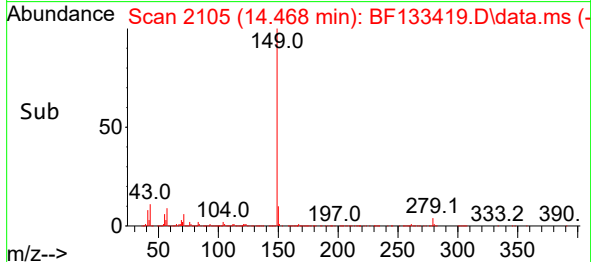
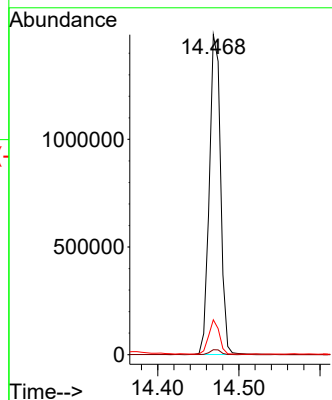
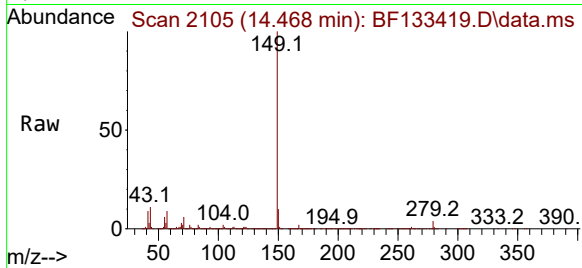




#85  
Di-n-octyl phthalate  
Concen: 65.821 ng  
RT: 14.468 min Scan# 2112  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

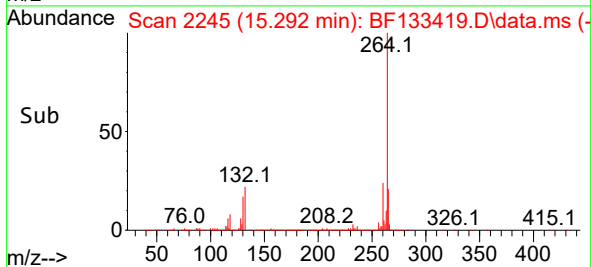
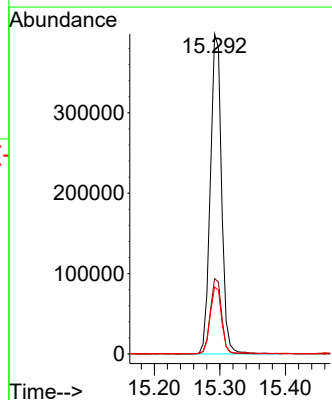
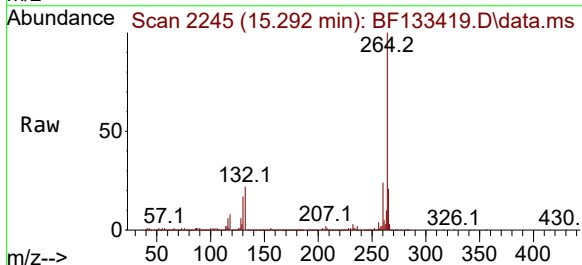
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

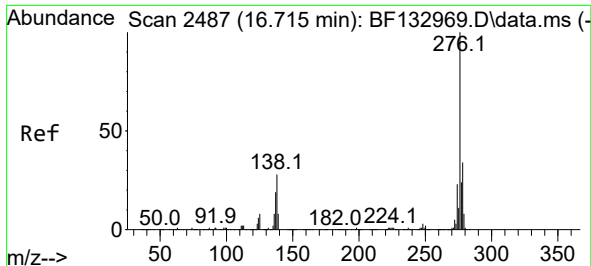
Tgt Ion:149 Resp: 1423754  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.2 9.5 14.3



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.292 min Scan# 2245  
Delta R.T. -0.012 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:264 Resp: 474264  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.8 28.2  
265 20.9 17.0 25.4

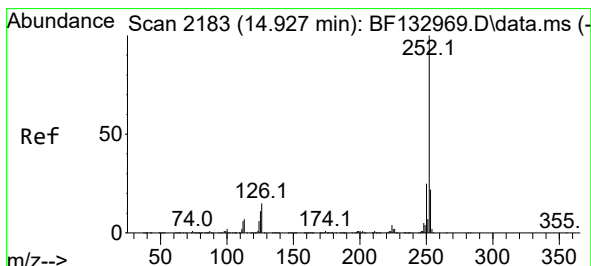
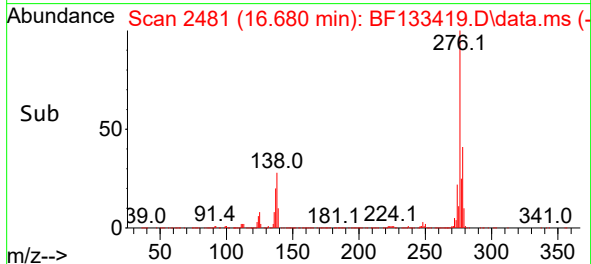
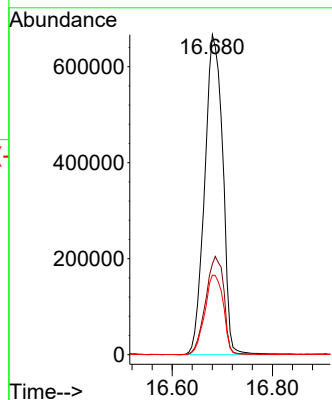
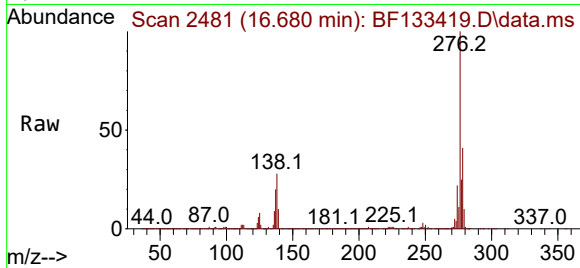




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 61.784 ng  
RT: 16.680 min Scan# 2487  
Delta R.T. -0.018 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

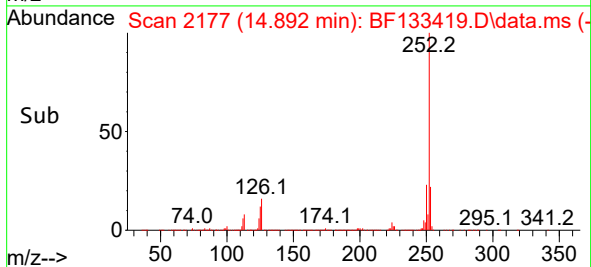
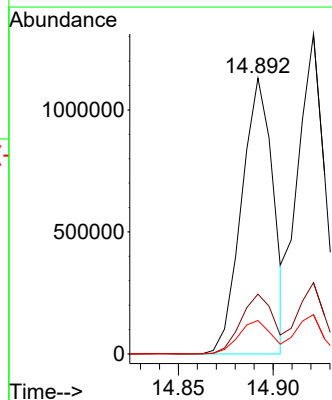
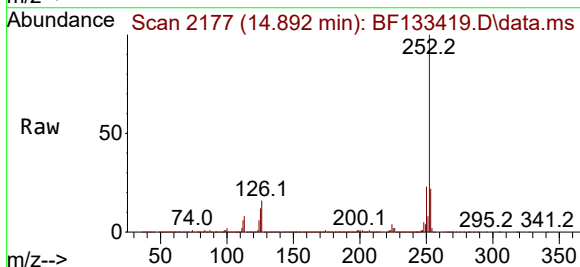
Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

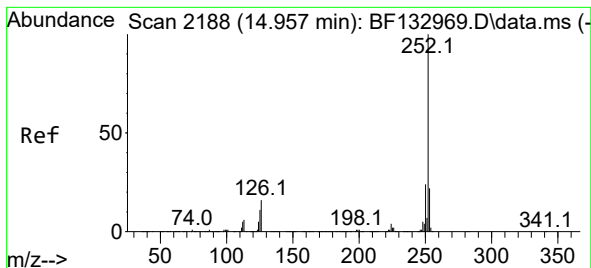
Tgt Ion:276 Resp: 1666760  
Ion Ratio Lower Upper  
276 100  
138 30.9 25.5 38.3  
277 25.5 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 43.647 ng  
RT: 14.892 min Scan# 2177  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:252 Resp: 1316937  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.6 26.4  
125 12.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 42.553 ng

RT: 14.921 min Scan# 2188

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

Instrument :

BNA\_F

ClientSampleId :

WG-0516-B4-10-13MSD

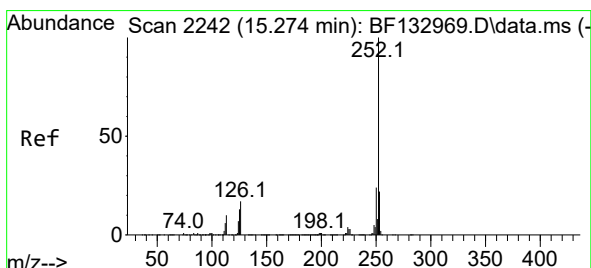
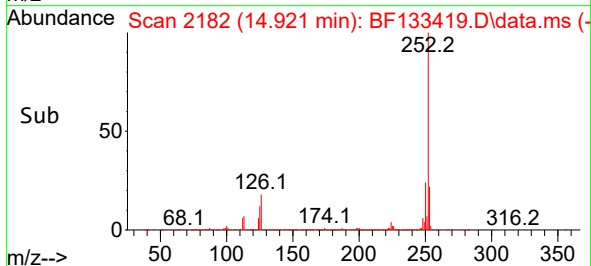
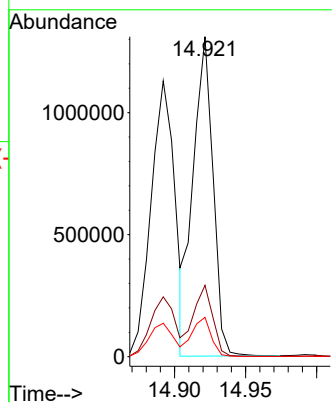
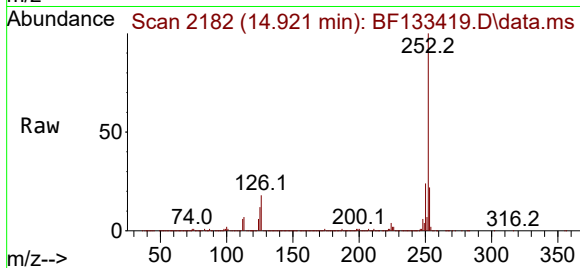
Tgt Ion:252 Resp: 1272725

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 12.3 9.0 13.4



#90

Benzo(a)pyrene

Concen: 44.952 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.006 min

Lab File: BF133419.D

Acq: 17 May 2023 18:17

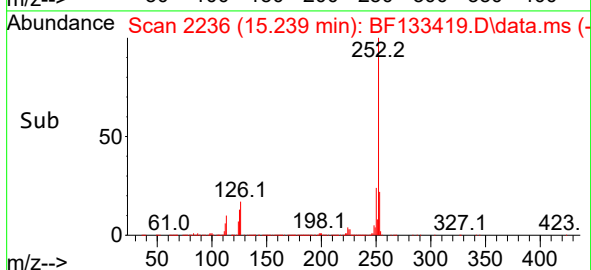
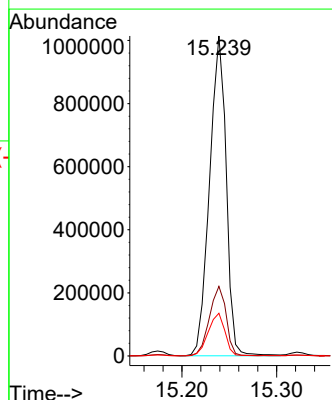
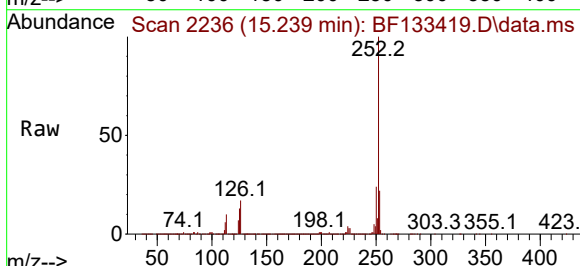
Tgt Ion:252 Resp: 1234515

Ion Ratio Lower Upper

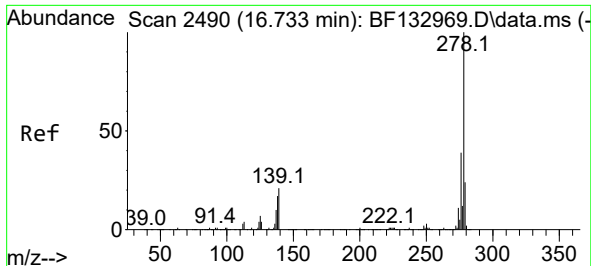
252 100

253 21.8 17.7 26.5

125 13.3 10.5 15.7



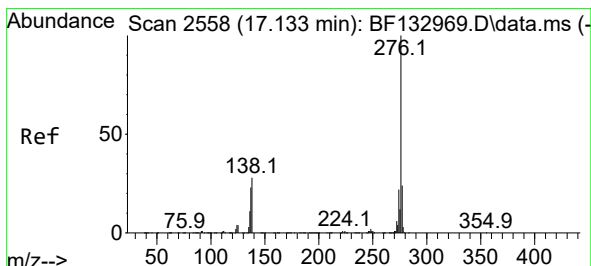
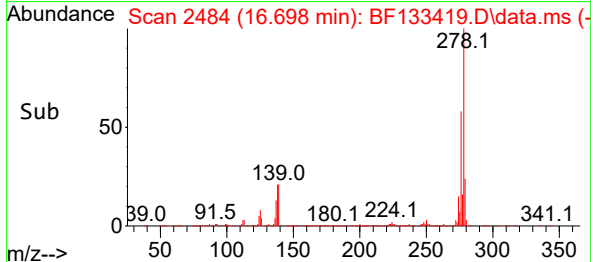
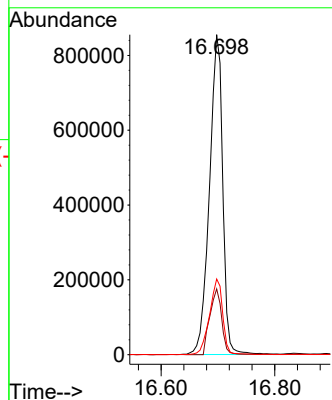
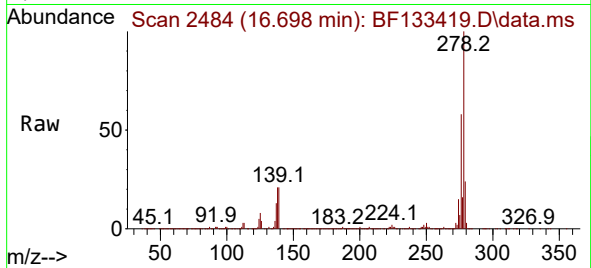




#91  
Dibenzo(a,h)anthracene  
Concen: 61.473 ng  
RT: 16.698 min Scan# 2490  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Instrument :  
BNA\_F  
ClientSampleId :  
WG-0516-B4-10-13MSD

Tgt Ion:278 Resp: 1383163  
Ion Ratio Lower Upper  
278 100  
139 20.5 16.6 24.8  
279 23.7 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 61.351 ng  
RT: 17.104 min Scan# 2553  
Delta R.T. -0.006 min  
Lab File: BF133419.D  
Acq: 17 May 2023 18:17

Tgt Ion:276 Resp: 1362823  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.4 29.0  
138 26.6 22.7 34.1

