

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF022324\  
 Data File : BF137374.D  
 Acq On : 23 Feb 2024 14:28  
 Operator : CG\JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022324

Quant Time: Feb 24 04:26:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Feb 24 04:23:49 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.798  | 152  | 195672   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.081  | 136  | 801654   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.834  | 164  | 458986   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.328 | 188  | 791474   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 457039   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.463 | 264  | 371920   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 1063995  | 83.904 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 1507671  | 80.823 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.363  | 82   | 1374925  | 85.626 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.628 | 330  | 333212   | 83.368 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.157  | 172  | 2287066  | 77.575 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 2649597  | 81.086 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.552  | 88   | 278645   | 40.112 | ng    | 99       |
| 3) Pyridine                   | 3.310  | 79   | 708243   | 40.268 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 261051   | 40.019 | ng    | 100      |
| 6) Aniline                    | 6.469  | 93   | 947359   | 42.825 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.587  | 128  | 558520   | 41.064 | ng    | 99       |
| 9) Benzaldehyde               | 6.357  | 77   | 394890   | 43.970 | ng    | 99       |
| 10) Phenol                    | 6.451  | 94   | 852349   | 41.750 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.540  | 93   | 593736   | 40.023 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.740  | 146  | 580710   | 39.758 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.816  | 146  | 598814   | 39.820 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.969  | 146  | 552061   | 39.688 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 494807   | 44.499 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.075  | 45   | 1003634  | 40.703 | ng    | 99       |
| 17) 2-Methylphenol            | 7.057  | 107  | 517205   | 40.190 | ng    | 99       |
| 18) Hexachloroethane          | 7.304  | 117  | 205796   | 39.714 | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.216  | 70   | 478124   | 41.594 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 617282   | 42.084 | ng    | 99       |
| 22) Acetophenone              | 7.210  | 105  | 786108   | 40.439 | ng    | 99       |
| 24) Nitrobenzene              | 7.381  | 77   | 707322   | 43.351 | ng    | 94       |
| 25) Isophorone                | 7.622  | 82   | 1329456  | 40.036 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.698  | 139  | 256549   | 41.563 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 509343   | 41.707 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.834  | 93   | 793327   | 41.449 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.934  | 162  | 481006   | 42.024 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.022  | 180  | 494637   | 40.261 | ng    | 99       |
| 31) Naphthalene               | 8.098  | 128  | 1721496  | 40.015 | ng    | 99       |
| 32) Benzoic acid              | 7.863  | 122  | 304968   | 41.851 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.151  | 127  | 714978   | 43.696 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.216  | 225  | 287486   | 39.390 | ng    | 99       |
| 35) Caprolactam               | 8.528  | 113  | 160150   | 45.244 | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.634  | 107  | 544350   | 41.949 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.792  | 142  | 1114555  | 40.205 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.892  | 142  | 1056704  | 40.317 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.957  | 216  | 512085   | 40.507 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.945  | 237  | 245668   | 42.862 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 344567   | 42.037 | ng    | 99       |

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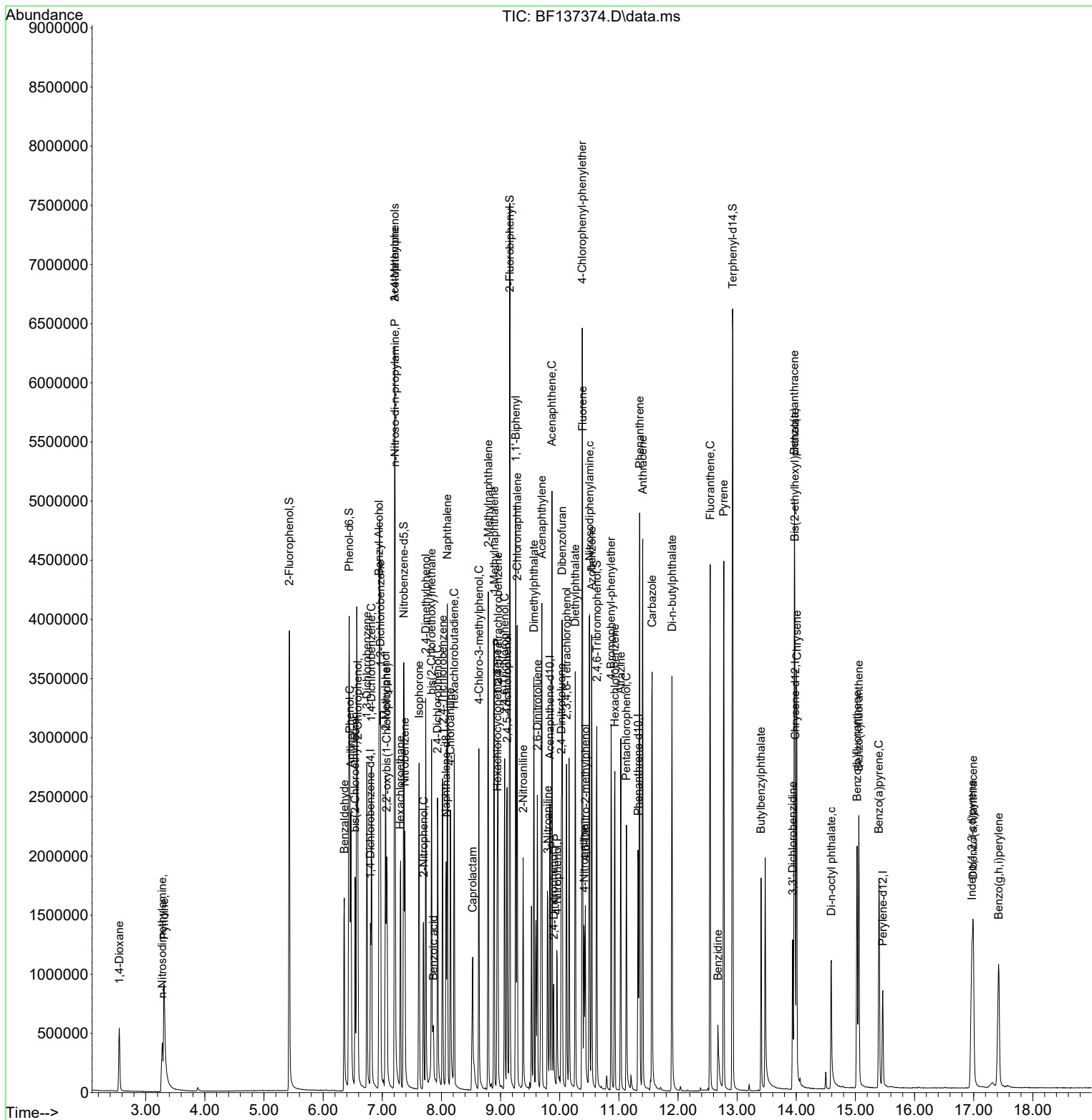
Instrument :  
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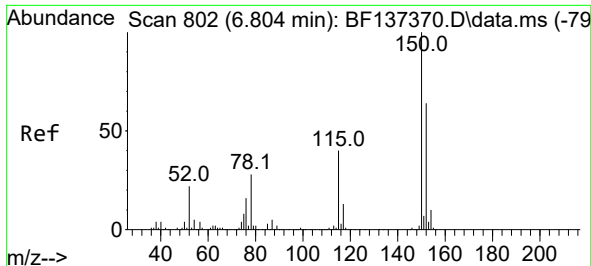
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 391644   | 41.648 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.257  | 154  | 1338473  | 40.039 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.281  | 162  | 1029954  | 40.797 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.381  | 65   | 322153   | 42.544 | ng    | 100      |
| 49) Acenaphthylene            | 9.698  | 152  | 1657106  | 40.400 | ng    | 99       |
| 50) Dimethylphthalate         | 9.563  | 163  | 1300731  | 41.012 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 271743   | 46.056 | ng    | # 81     |
| 52) Acenaphthene              | 9.869  | 154  | 972971   | 39.738 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.798  | 138  | 276595   | 41.369 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 112796   | 42.731 | ng    | 96       |
| 55) Dibenzofuran              | 10.039 | 168  | 1526912  | 40.349 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 198944   | 42.238 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.028 | 165  | 335511   | 45.043 | ng    | 95       |
| 58) Fluorene                  | 10.386 | 166  | 1141658  | 39.504 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 329345   | 42.293 | ng    | 99       |
| 60) Diethylphthalate          | 10.263 | 149  | 1231790  | 41.599 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.381 | 204  | 557049   | 39.184 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 240272   | 39.041 | ng    | 99       |
| 63) Azobenzene                | 10.539 | 77   | 1431929  | 40.418 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 162667   | 42.591 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.504 | 169  | 1032207  | 40.156 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.869 | 248  | 356363   | 41.882 | ng    | # 91     |
| 68) Hexachlorobenzene         | 10.933 | 284  | 354742   | 40.303 | ng    | 98       |
| 69) Atrazine                  | 11.033 | 200  | 305655   | 44.062 | ng    | 99       |
| 70) Pentachlorophenol         | 11.128 | 266  | 246704   | 44.238 | ng    | 98       |
| 71) Phenanthrene              | 11.351 | 178  | 1731648  | 39.656 | ng    | 99       |
| 72) Anthracene                | 11.404 | 178  | 1807169  | 40.158 | ng    | 100      |
| 73) Carbazole                 | 11.563 | 167  | 1587463  | 41.288 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1798387  | 46.745 | ng    | 100      |
| 75) Fluoranthene              | 12.545 | 202  | 1748000  | 41.010 | ng    | 99       |
| 77) Benzidine                 | 12.674 | 184  | 357436   | 46.120 | ng    | 98       |
| 78) Pyrene                    | 12.774 | 202  | 1783948  | 41.279 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 309824   | 48.688 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.969 | 228  | 1294377  | 40.813 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 312503   | 42.858 | ng    | 99       |
| 83) Chrysene                  | 14.010 | 228  | 1296126  | 40.007 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 392753   | 47.819 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 617486   | 45.252 | ng    | 94       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.968 | 276  | 1017230  | 39.831 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 905863   | 39.704 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 1011466  | 42.298 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 903900   | 41.767 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 851412   | 40.595 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.421 | 276  | 865632   | 40.040 | ng    | 98       |

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

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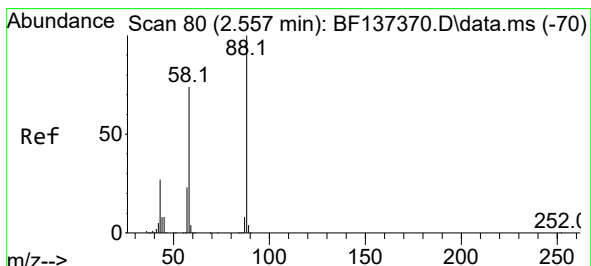
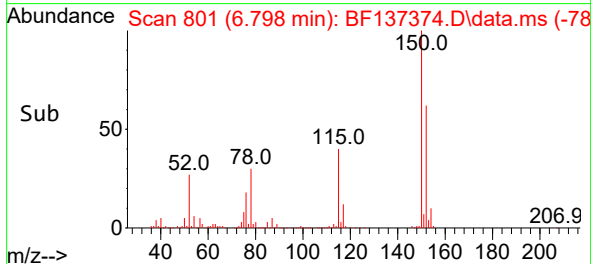
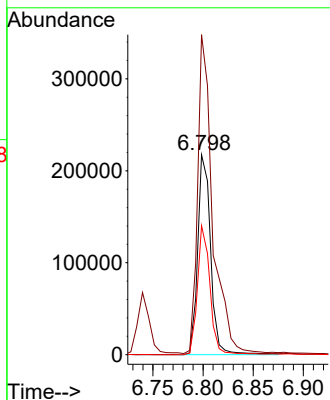
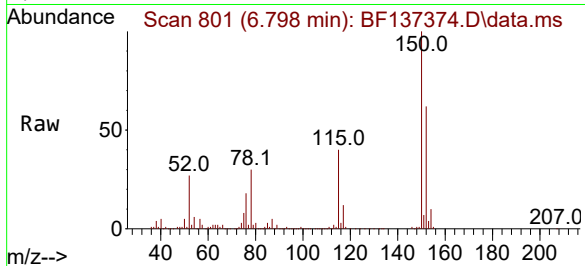




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.798 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

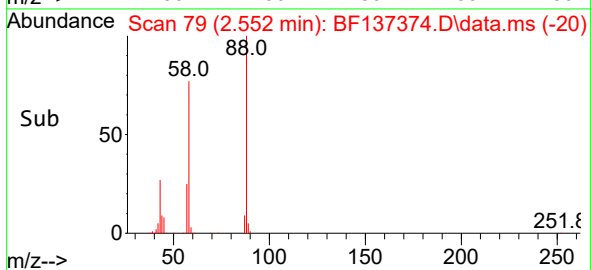
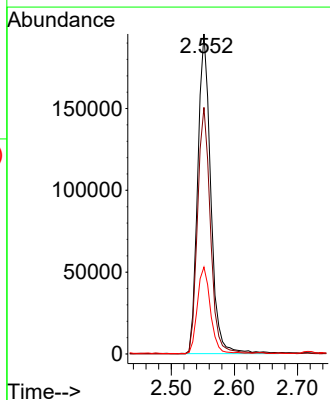
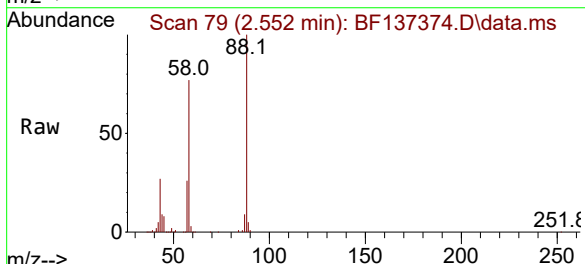
Instrument :  
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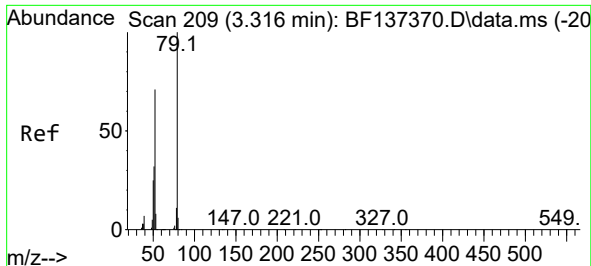
Tgt Ion:152 Resp: 195672  
 Ion Ratio Lower Upper  
 152 100  
 150 160.1 125.7 188.5  
 115 64.5 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 40.112 ng  
 RT: 2.552 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

Tgt Ion: 88 Resp: 278645  
 Ion Ratio Lower Upper  
 88 100  
 58 77.0 60.6 91.0  
 43 27.4 22.0 33.0

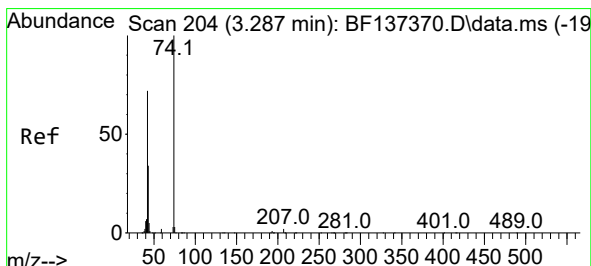
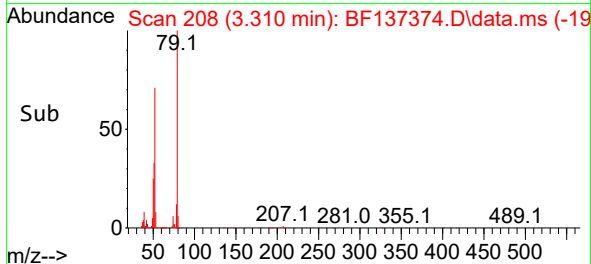
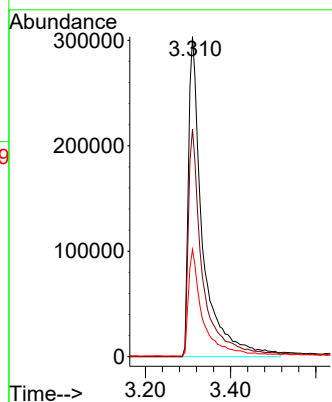
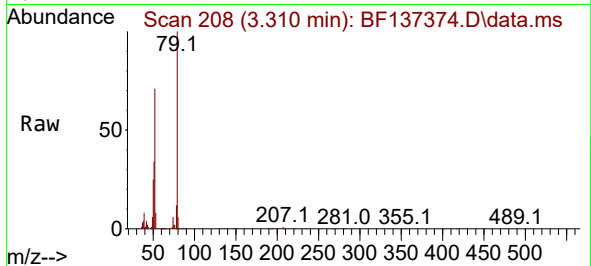




#3  
Pyridine  
Concen: 40.268 ng  
RT: 3.310 min Scan# 209  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

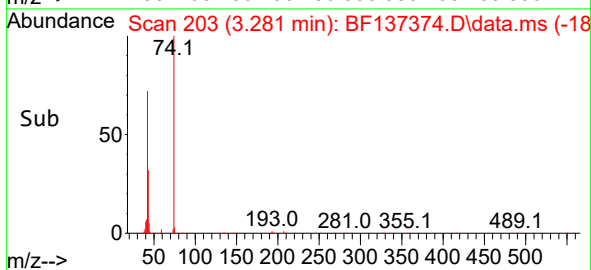
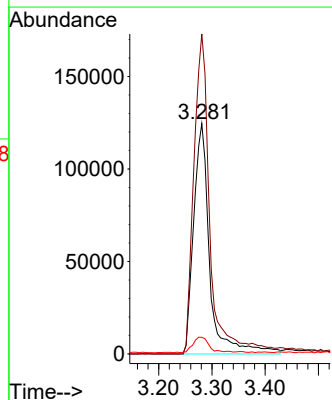
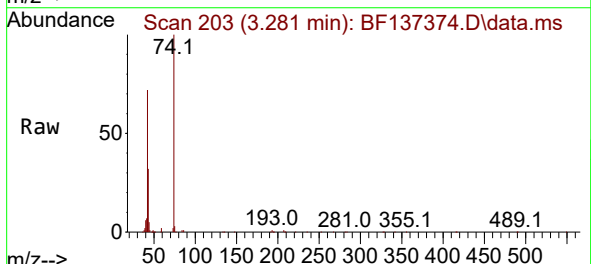
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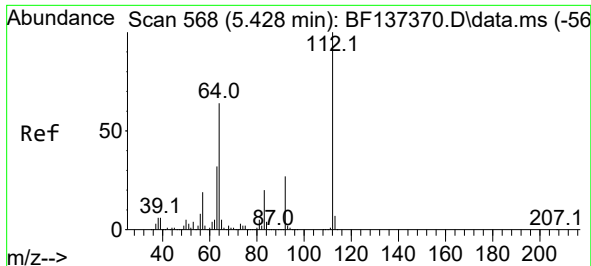
Tgt Ion: 79 Resp: 708243  
Ion Ratio Lower Upper  
79 100  
52 71.1 56.5 84.7  
51 33.5 26.2 39.2



#4  
n-Nitrosodimethylamine  
Concen: 40.019 ng  
RT: 3.281 min Scan# 203  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 42 Resp: 261051  
Ion Ratio Lower Upper  
42 100  
74 138.9 110.8 166.2  
44 7.2 6.0 9.0

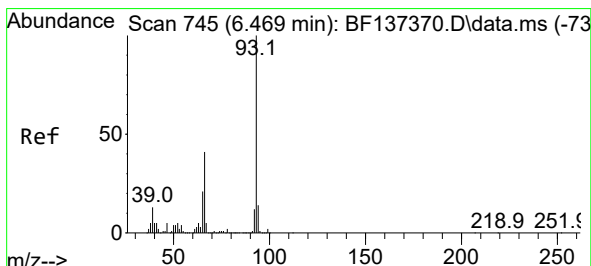
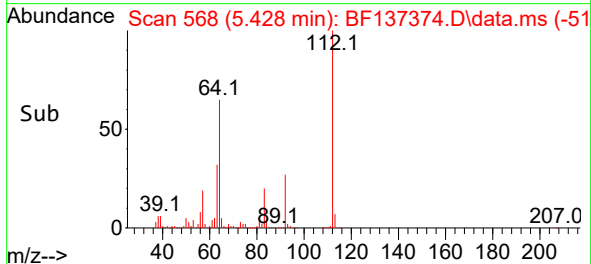
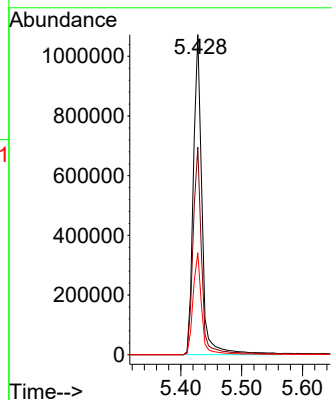
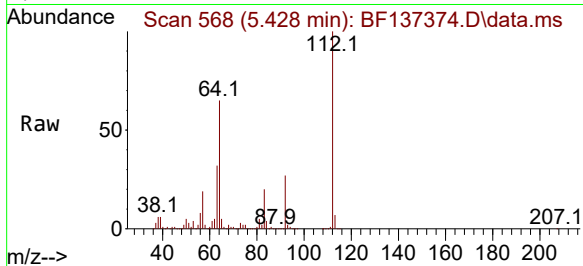




#5  
2-Fluorophenol  
Concen: 83.904 ng  
RT: 5.428 min Scan# 568  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

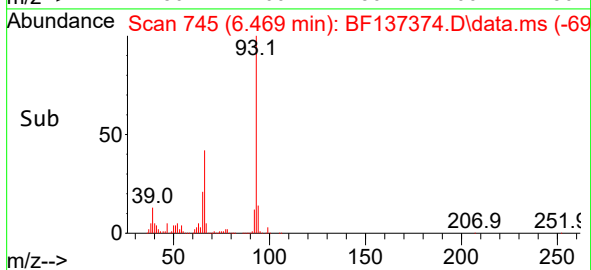
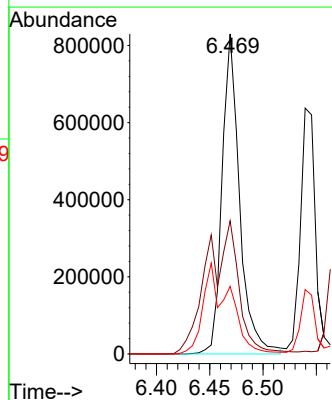
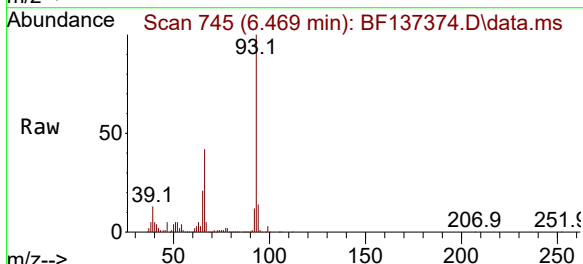
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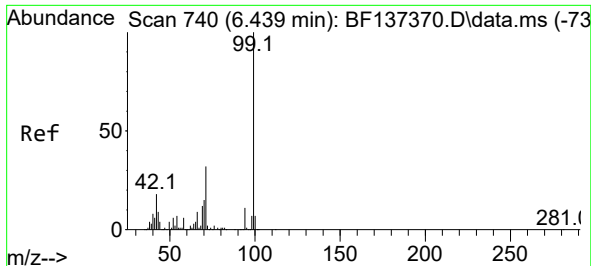
Tgt Ion:112 Resp: 1063995  
Ion Ratio Lower Upper  
112 100  
64 64.9 51.0 76.6  
63 31.9 25.7 38.5



#6  
Aniline  
Concen: 42.825 ng  
RT: 6.469 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 93 Resp: 947359  
Ion Ratio Lower Upper  
93 100  
66 41.6 33.0 49.4  
65 21.1 17.0 25.6





#7

Phenol-d6

Concen: 80.823 ng

RT: 6.440 min Scan# 740

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

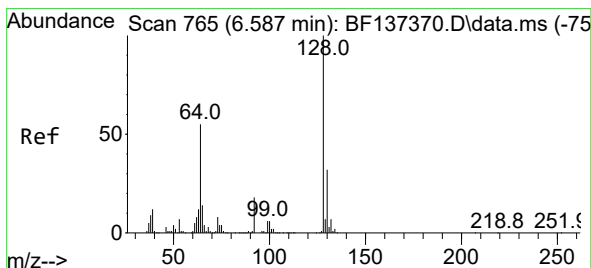
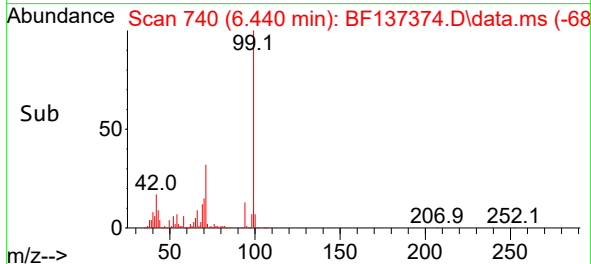
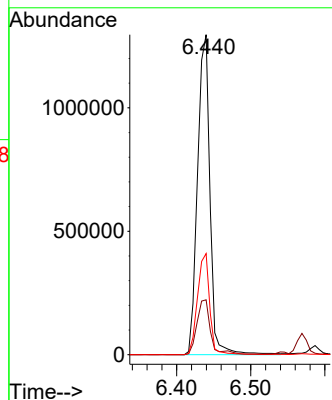
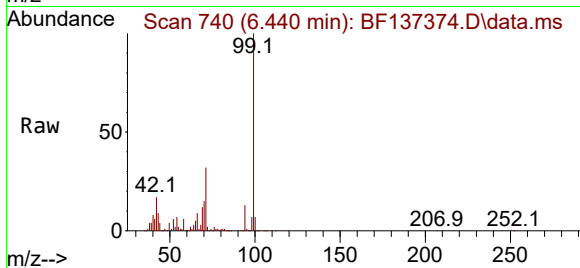
BNA\_F

ClientSampleId :

ICVBF022324

Tgt Ion: 99 Resp: 1507671

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.2  | 14.2  | 21.4  |
| 71  | 31.6  | 25.2  | 37.8  |



#8

2-Chlorophenol

Concen: 41.064 ng

RT: 6.587 min Scan# 765

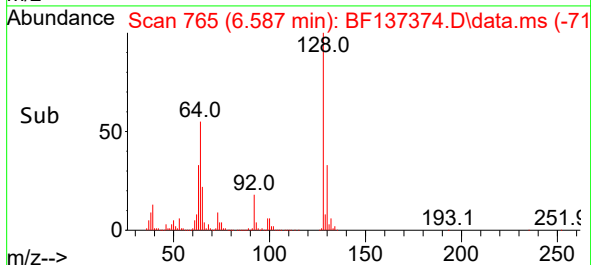
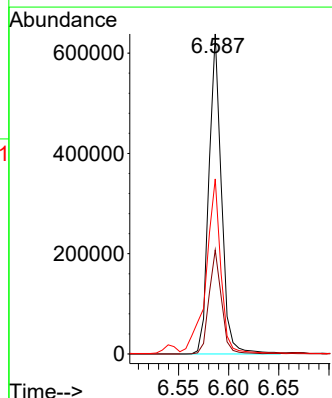
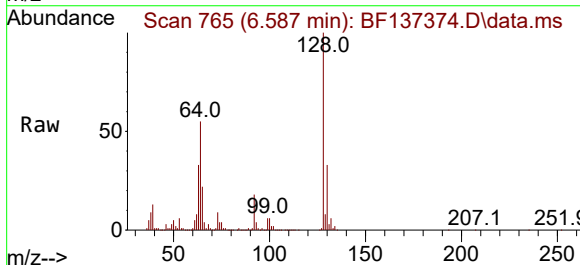
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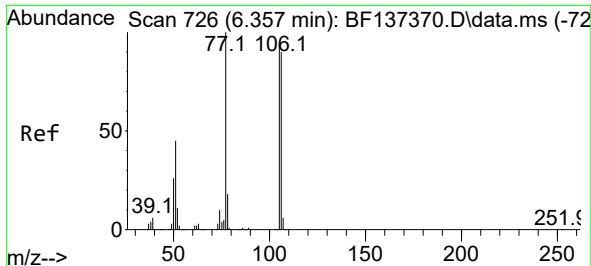
Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Tgt Ion: 128 Resp: 558520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.5  | 12.1  | 52.1  |
| 64  | 54.7  | 35.3  | 75.3  |

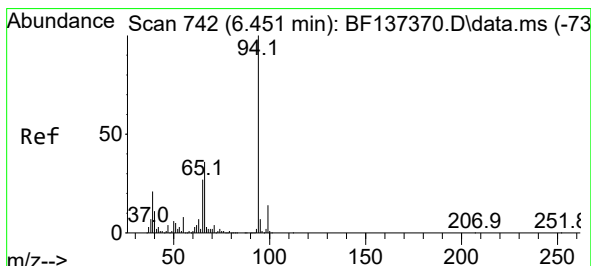
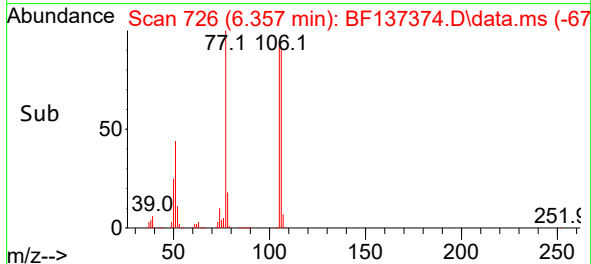
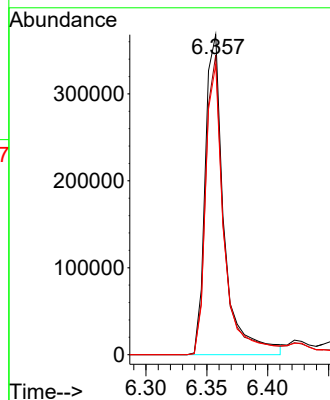
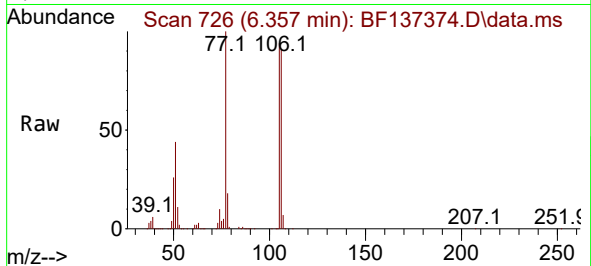




#9  
Benzaldehyde  
Concen: 43.970 ng  
RT: 6.357 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

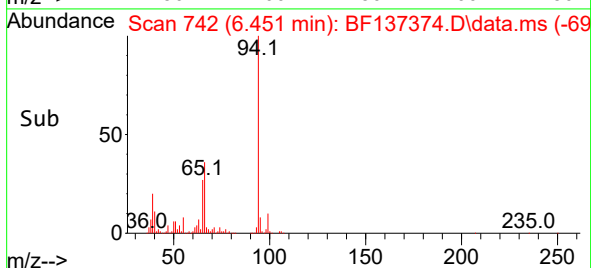
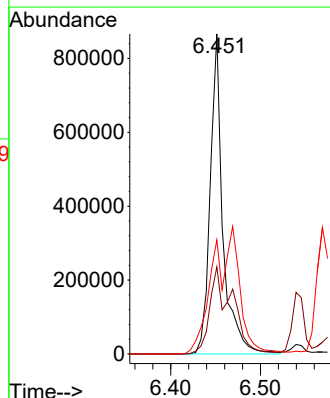
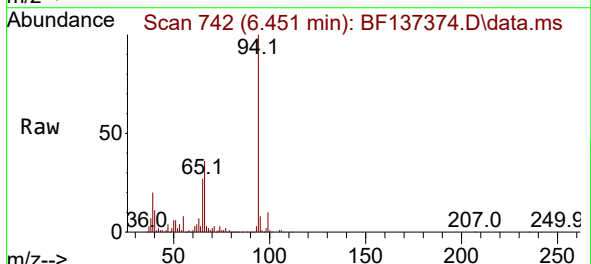
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

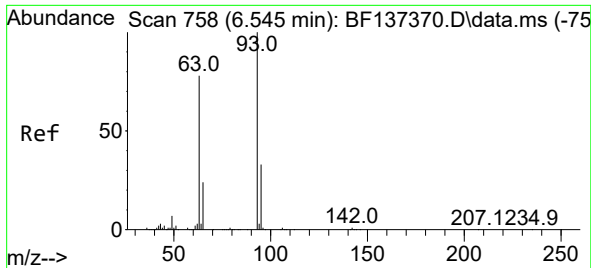
Tgt Ion: 77 Resp: 394890  
Ion Ratio Lower Upper  
77 100  
105 93.6 74.1 114.1  
106 90.7 70.2 110.2



#10  
Phenol  
Concen: 41.750 ng  
RT: 6.451 min Scan# 742  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 94 Resp: 852349  
Ion Ratio Lower Upper  
94 100  
65 27.2 7.4 47.4  
66 35.7 15.6 55.6





#11

bis(2-Chloroethyl)ether

Concen: 40.023 ng

RT: 6.540 min Scan# 758

Delta R.T. -0.006 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

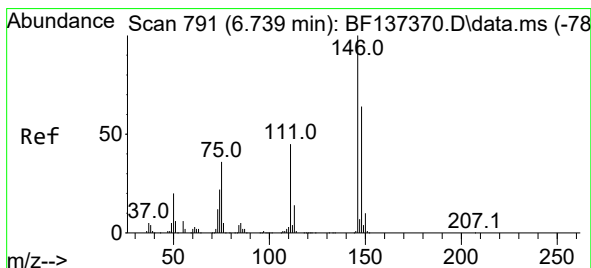
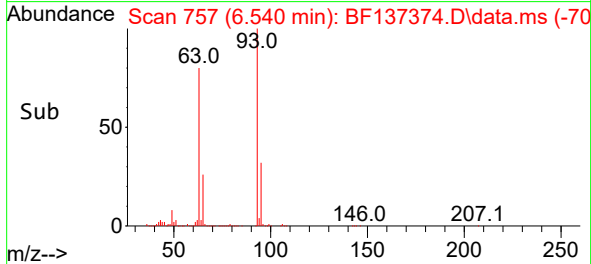
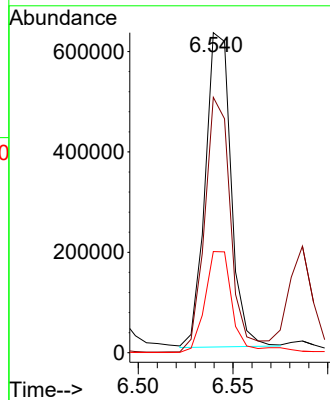
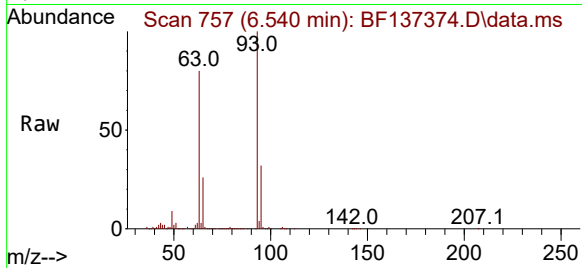
Tgt Ion: 93 Resp: 593736

Ion Ratio Lower Upper

93 100

63 79.8 56.1 96.1

95 31.6 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 39.758 ng

RT: 6.740 min Scan# 791

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

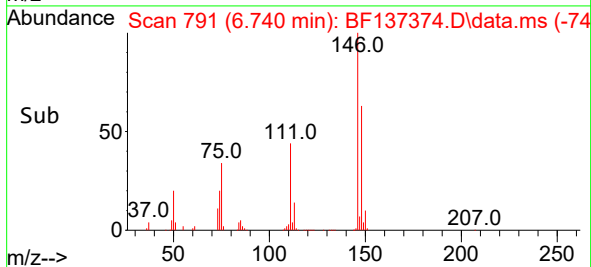
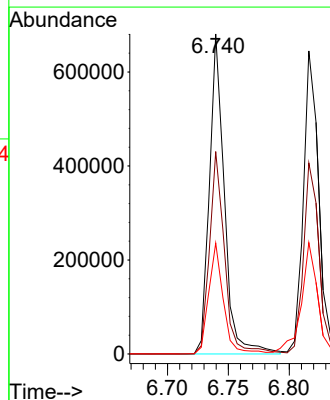
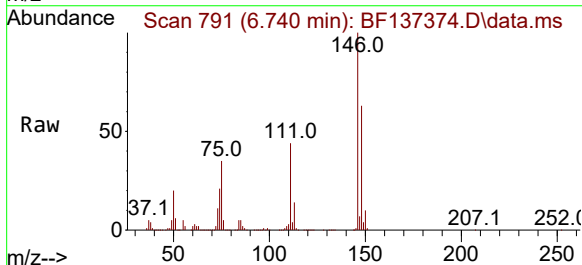
Tgt Ion:146 Resp: 580710

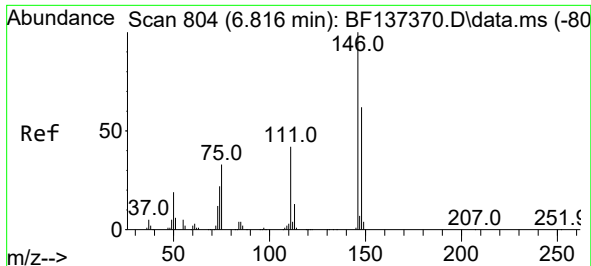
Ion Ratio Lower Upper

146 100

148 63.3 50.9 76.3

75 34.7 28.5 42.7





#13

1,4-Dichlorobenzene

Concen: 39.820 ng

RT: 6.816 min Scan# 804

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

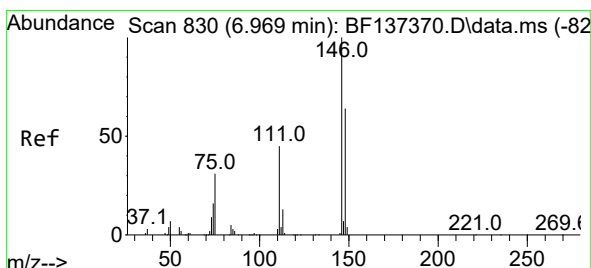
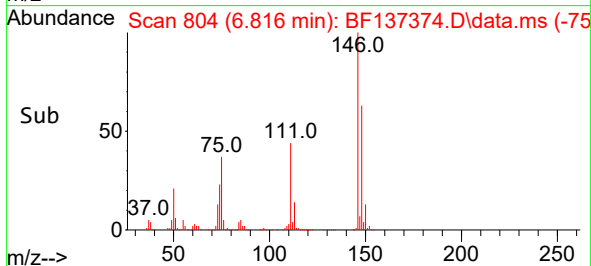
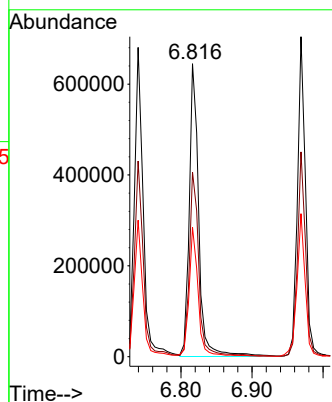
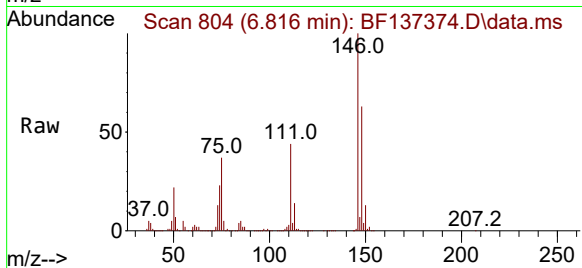
Tgt Ion:146 Resp: 598814

Ion Ratio Lower Upper

146 100

148 63.0 49.9 74.9

111 44.2 34.3 51.5



#14

1,2-Dichlorobenzene

Concen: 39.688 ng

RT: 6.969 min Scan# 830

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

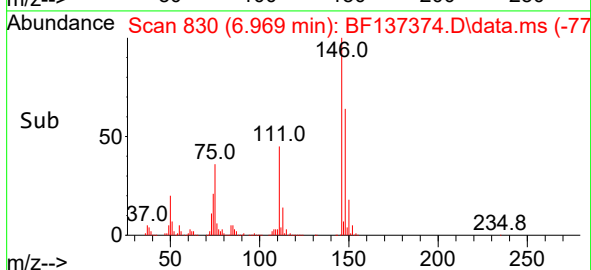
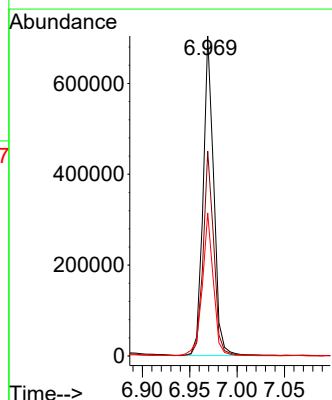
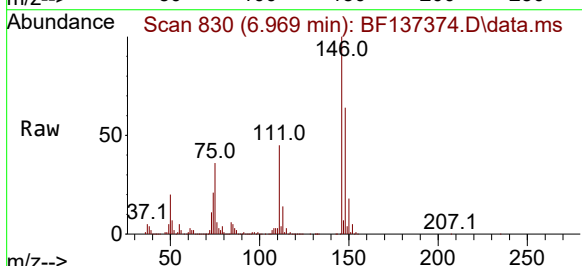
Tgt Ion:146 Resp: 552061

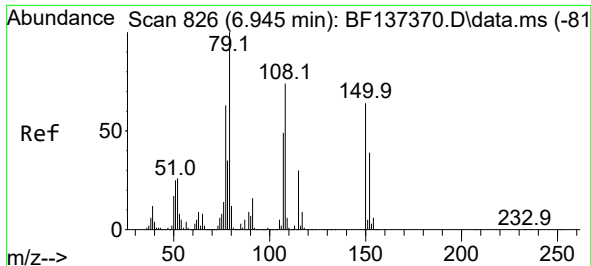
Ion Ratio Lower Upper

146 100

148 64.0 51.4 77.0

111 44.7 36.6 54.8

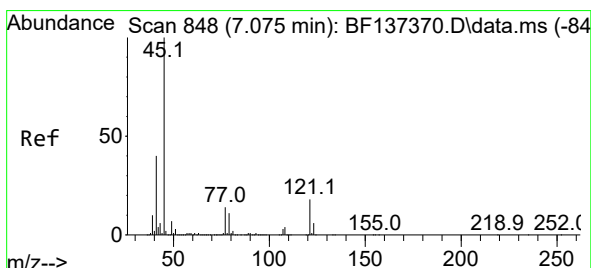
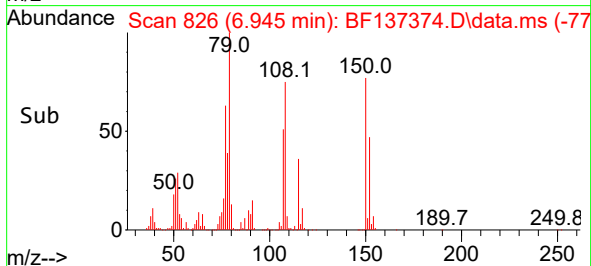
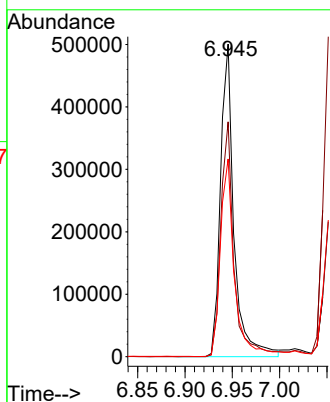
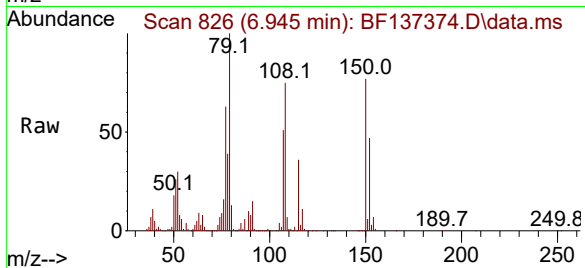




#15  
Benzyl Alcohol  
Concen: 44.499 ng  
RT: 6.945 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

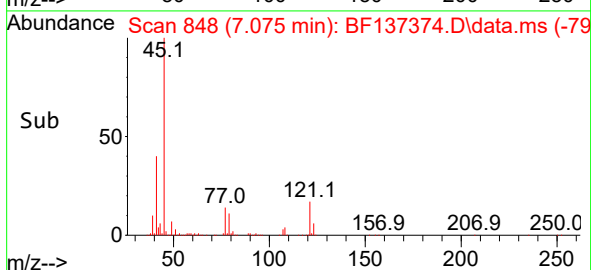
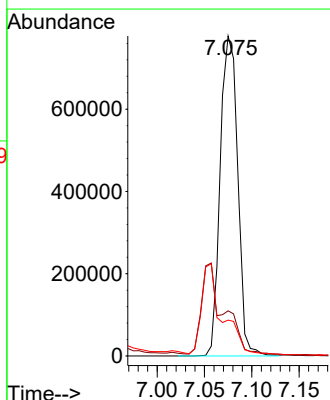
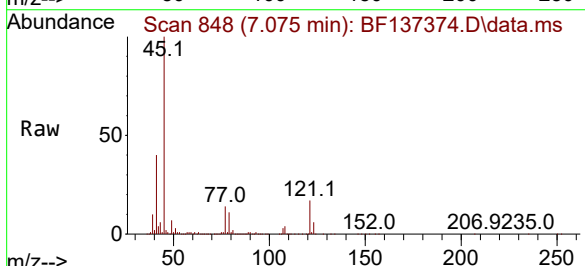
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

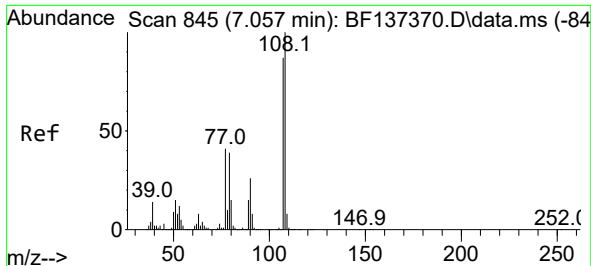
Tgt Ion: 79 Resp: 494807  
Ion Ratio Lower Upper  
79 100  
108 75.1 59.5 89.3  
77 63.3 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.703 ng  
RT: 7.075 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 45 Resp: 1003634  
Ion Ratio Lower Upper  
45 100  
77 14.1 0.0 34.6  
79 11.2 0.0 31.6

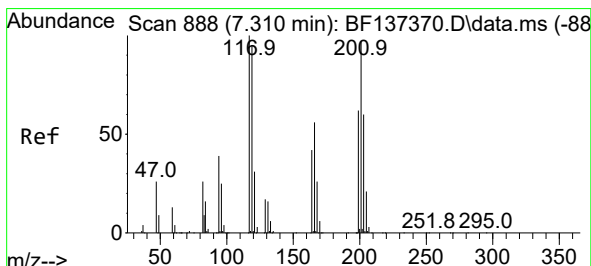
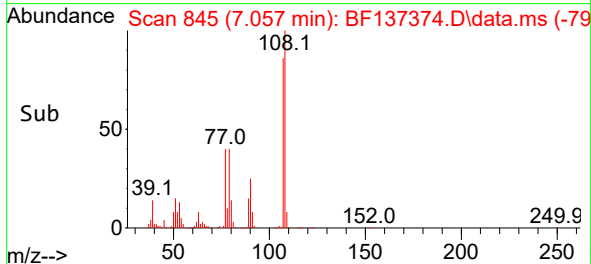
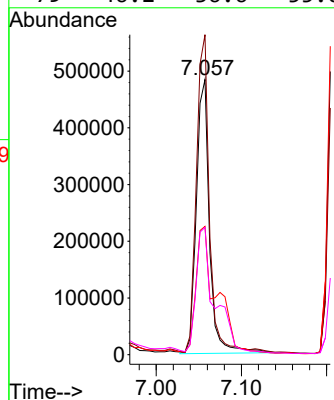
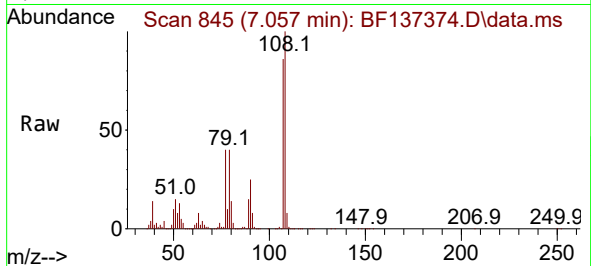




#17  
2-Methylphenol  
Concen: 40.190 ng  
RT: 7.057 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

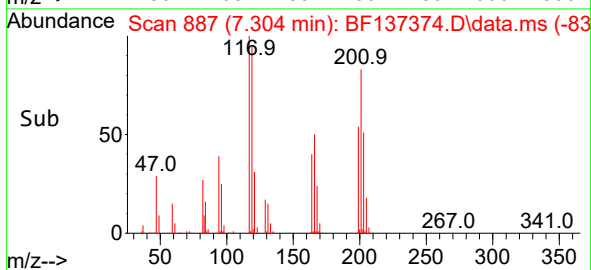
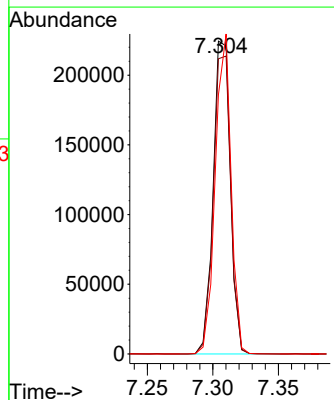
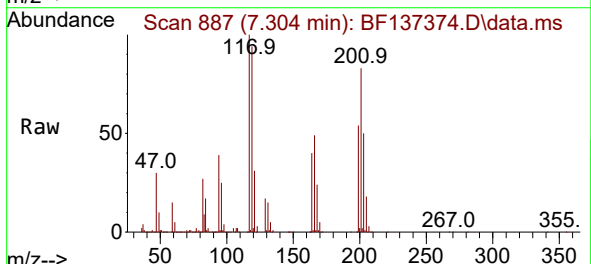
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

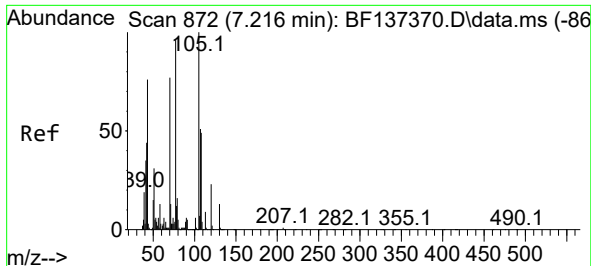
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 517205 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 116.3 | 92.2  | 138.4  |
| 77       | 46.6  | 38.1  | 57.1   |
| 79       | 46.2  | 36.6  | 55.0   |



#18  
Hexachloroethane  
Concen: 39.714 ng  
RT: 7.304 min Scan# 887  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 205796 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.4  | 76.2  | 114.4  |
| 201      | 82.9  | 77.6  | 116.4  |

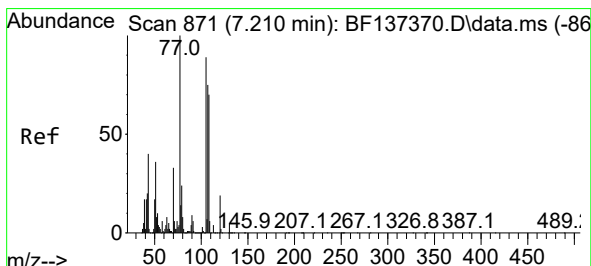
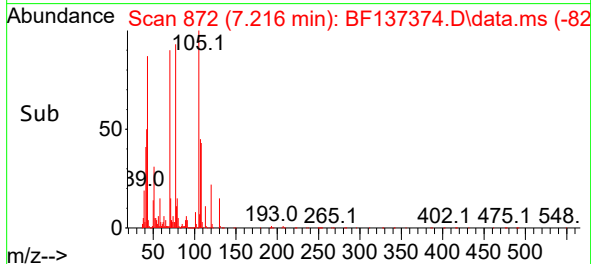
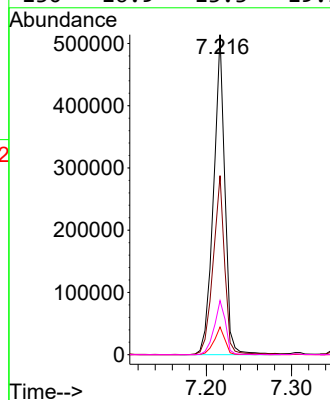
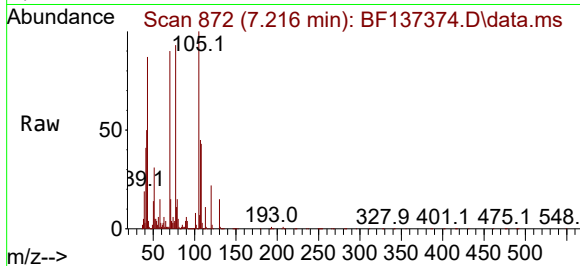




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.594 ng  
RT: 7.216 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

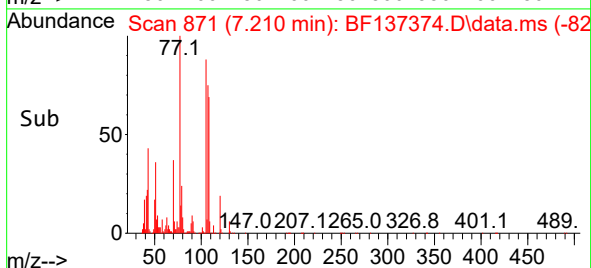
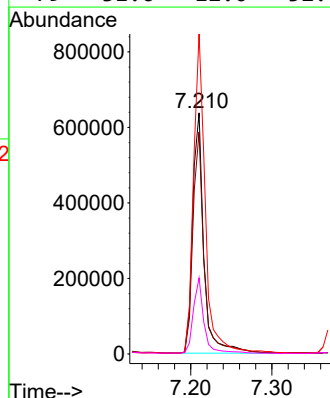
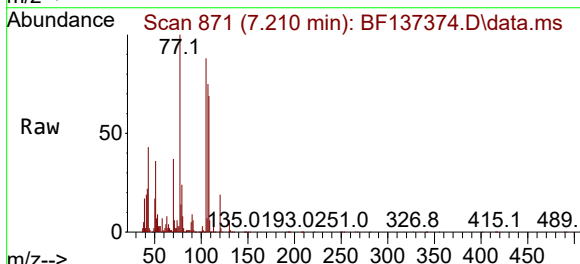
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

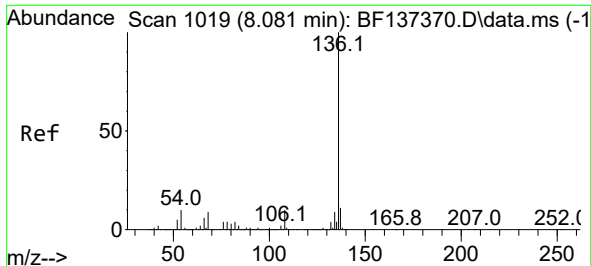
Tgt Ion: 70 Resp: 478124  
Ion Ratio Lower Upper  
70 100  
42 55.9 45.3 67.9  
101 8.7 6.5 9.7  
130 16.9 13.3 19.9



#20  
3+4-Methylphenols  
Concen: 42.084 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 107 Resp: 617282  
Ion Ratio Lower Upper  
107 100  
108 92.1 73.1 113.1  
77 132.7 113.6 153.6  
79 31.6 12.0 52.0

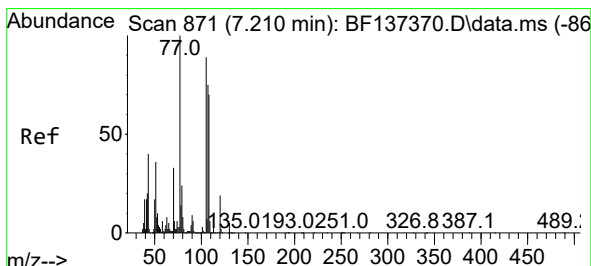
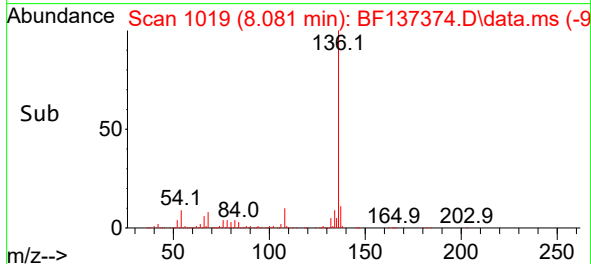
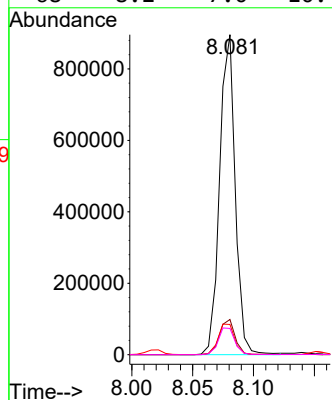
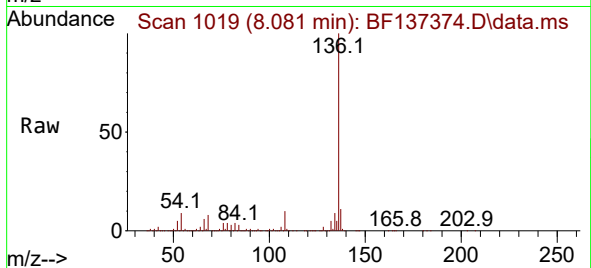




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. -0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

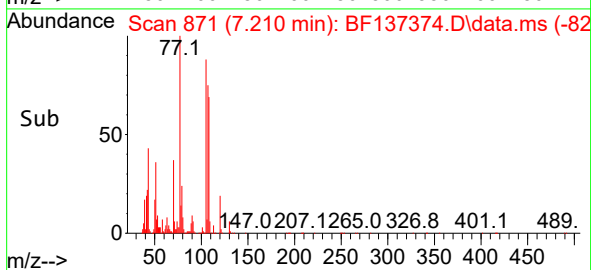
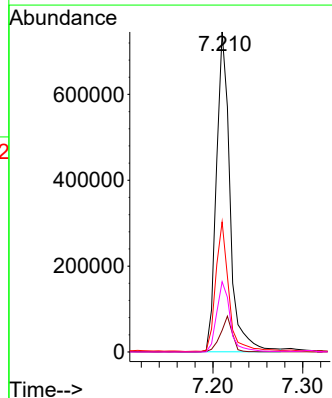
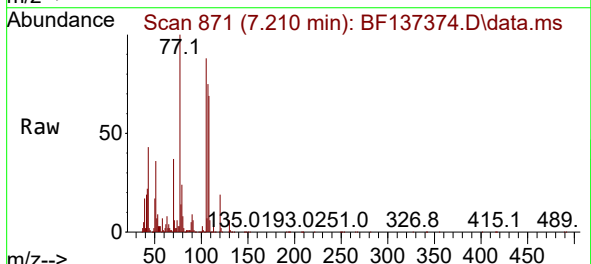
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

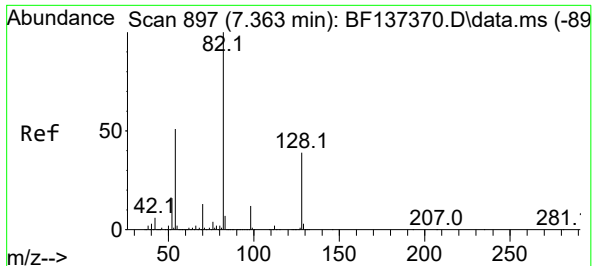
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 801654 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 9.0   | 13.4   |
| 54        | 9.5   | 7.8   | 11.6   |
| 68        | 8.2   | 7.0   | 10.4   |



#22  
Acetophenone  
Concen: 40.439 ng  
RT: 7.210 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 786108 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.7   | 5.0   | 7.6    |
| 51        | 40.6  | 32.2  | 48.4   |
| 120       | 22.0  | 17.0  | 25.4   |





#23

Nitrobenzene-d5

Concen: 85.626 ng

RT: 7.363 min Scan# 89

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

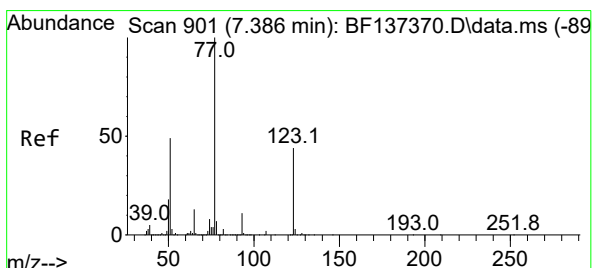
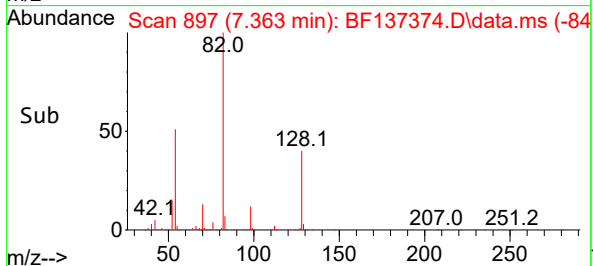
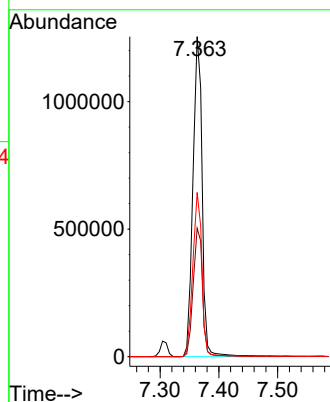
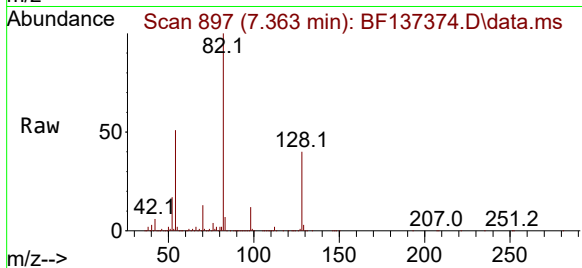
Tgt Ion: 82 Resp: 1374925

Ion Ratio Lower Upper

82 100

128 40.1 30.8 46.2

54 51.3 40.8 61.2



#24

Nitrobenzene

Concen: 43.351 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

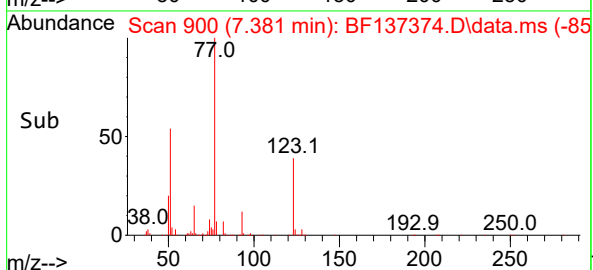
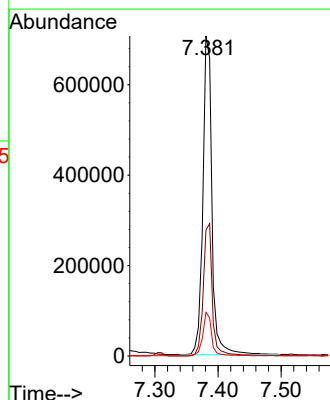
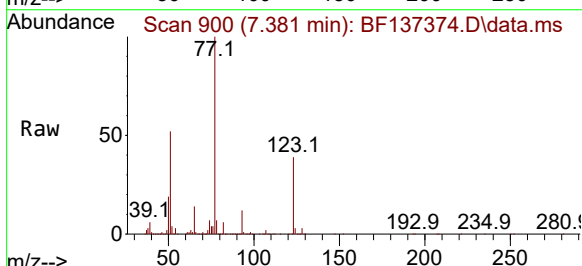
Tgt Ion: 77 Resp: 707322

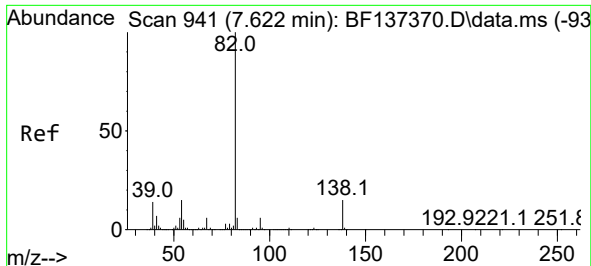
Ion Ratio Lower Upper

77 100

123 39.4 35.4 53.0

65 13.6 10.3 15.5

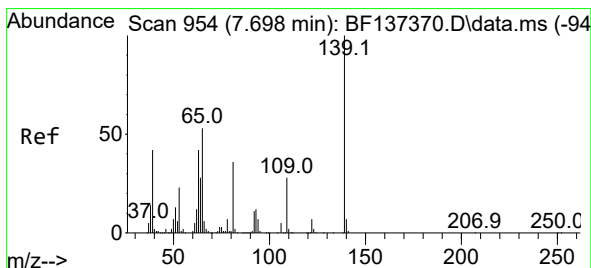
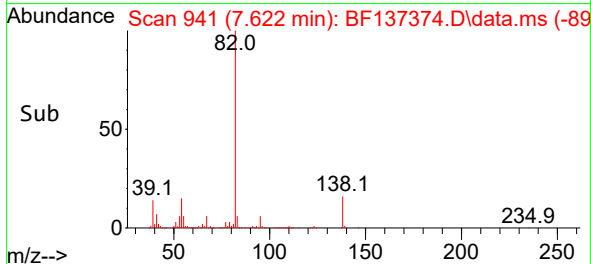
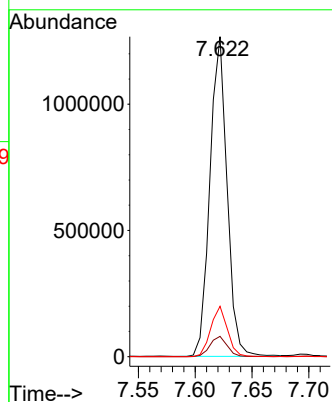
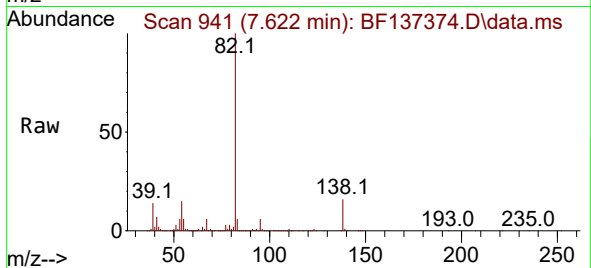




#25  
Isophorone  
Concen: 40.036 ng  
RT: 7.622 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

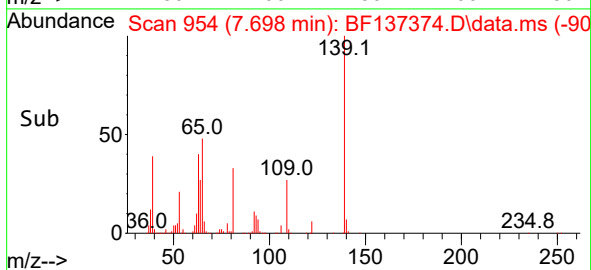
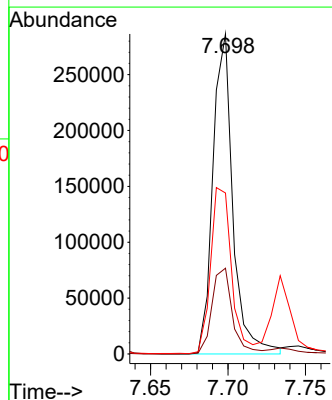
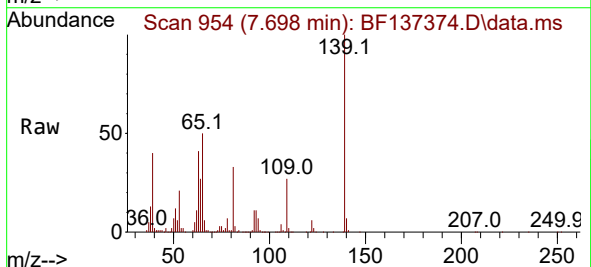
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

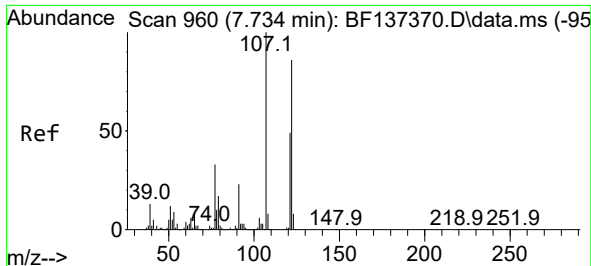
Tgt Ion: 82 Resp: 1329456  
Ion Ratio Lower Upper  
82 100  
95 6.4 5.1 7.7  
138 15.8 12.2 18.4



#26  
2-Nitrophenol  
Concen: 41.563 ng  
RT: 7.698 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion: 139 Resp: 256549  
Ion Ratio Lower Upper  
139 100  
109 26.8 22.5 33.7  
65 50.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 41.707 ng

RT: 7.734 min Scan# 960

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

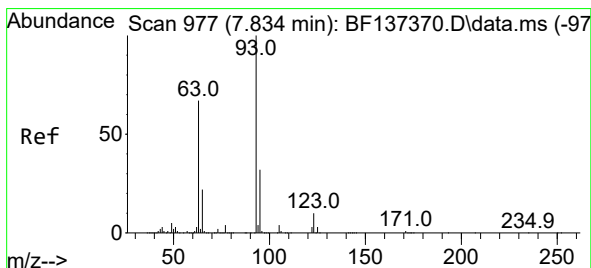
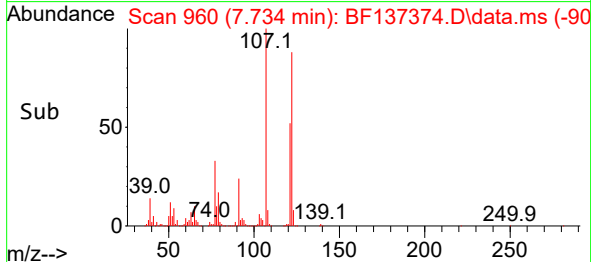
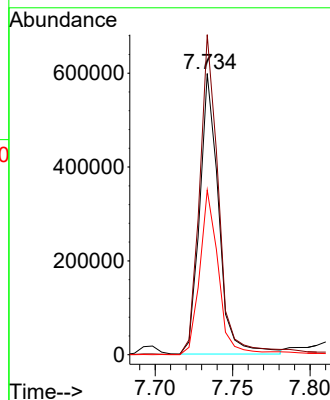
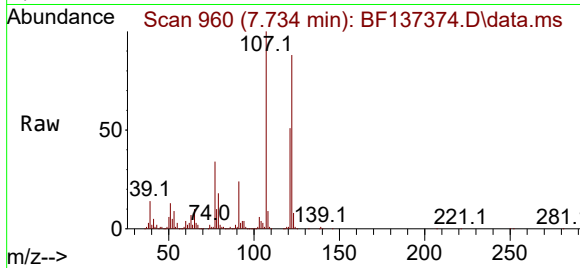
Tgt Ion:122 Resp: 509343

Ion Ratio Lower Upper

122 100

107 113.8 92.7 139.1

121 58.5 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 41.449 ng

RT: 7.834 min Scan# 977

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

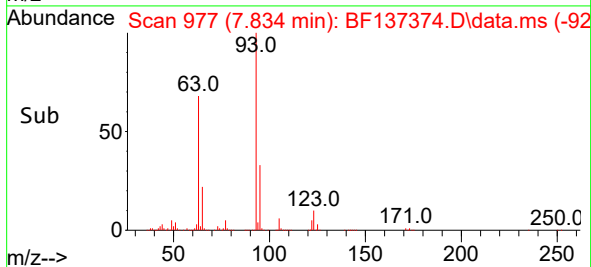
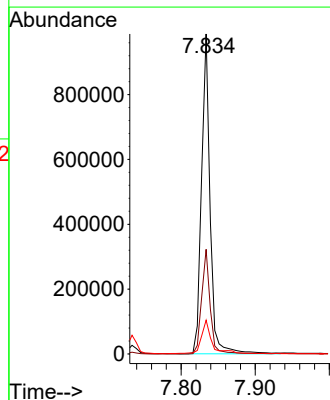
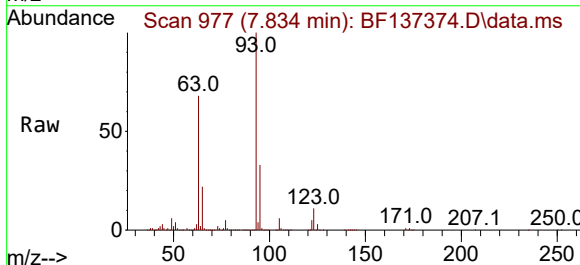
Tgt Ion: 93 Resp: 793327

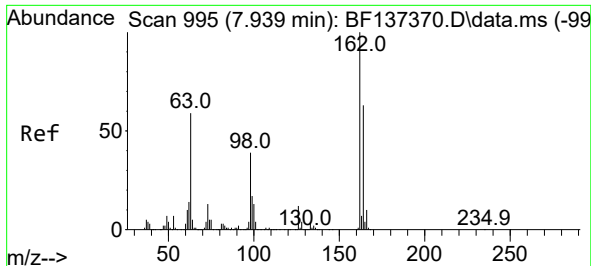
Ion Ratio Lower Upper

93 100

95 32.7 25.9 38.9

123 10.6 8.2 12.4





#29

2,4-Dichlorophenol

Concen: 42.024 ng

RT: 7.934 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

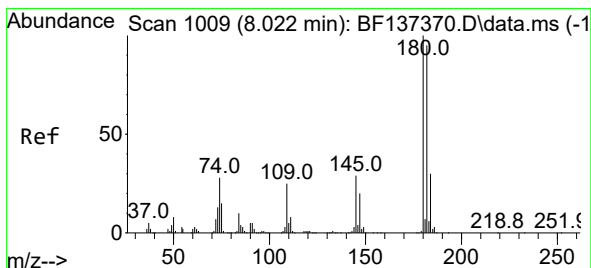
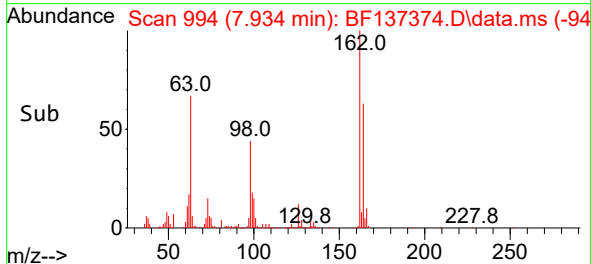
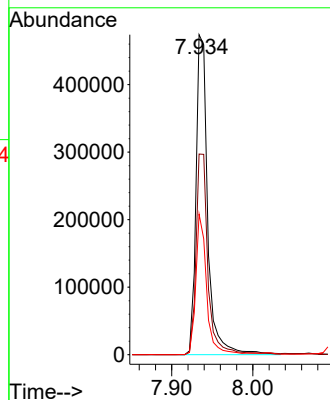
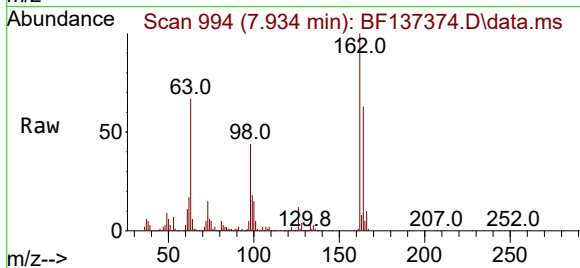
Tgt Ion:162 Resp: 481006

Ion Ratio Lower Upper

162 100

164 62.7 43.1 83.1

98 43.9 19.0 59.0



#30

1,2,4-Trichlorobenzene

Concen: 40.261 ng

RT: 8.022 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

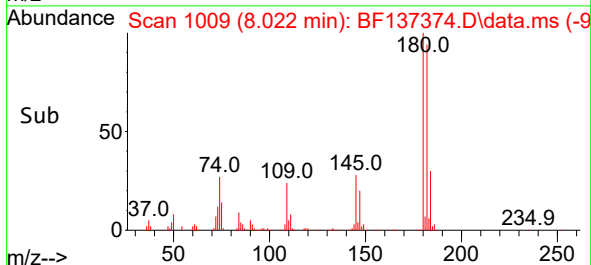
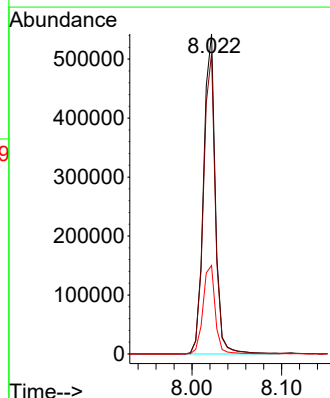
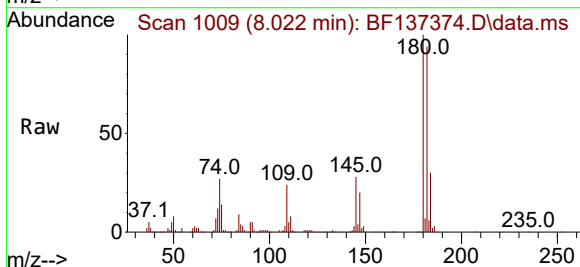
Tgt Ion:180 Resp: 494637

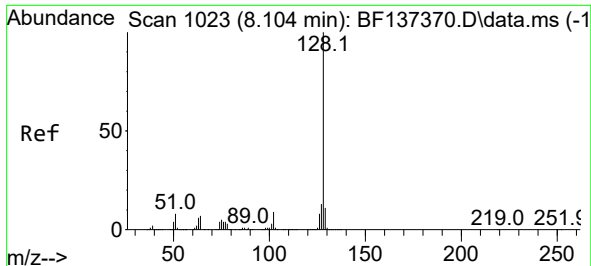
Ion Ratio Lower Upper

180 100

182 93.8 75.8 113.6

145 27.7 23.4 35.0

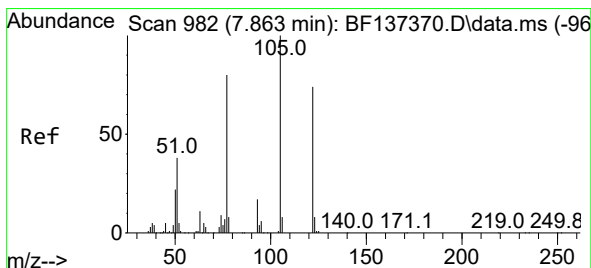
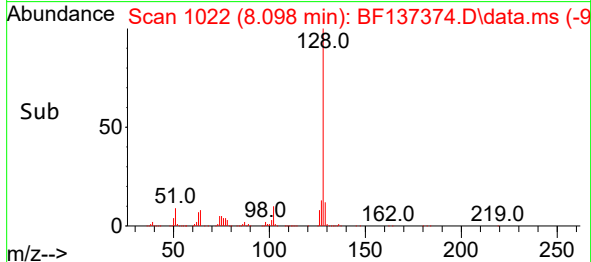
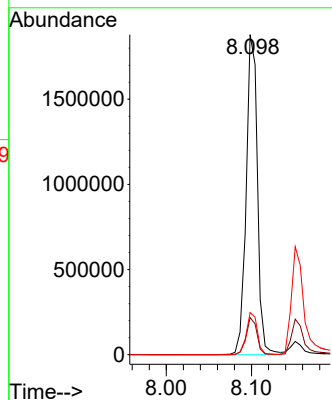
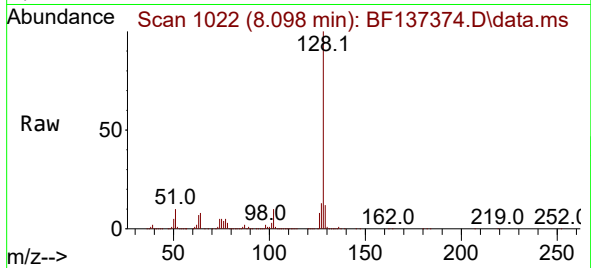




#31  
Naphthalene  
Concen: 40.015 ng  
RT: 8.098 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

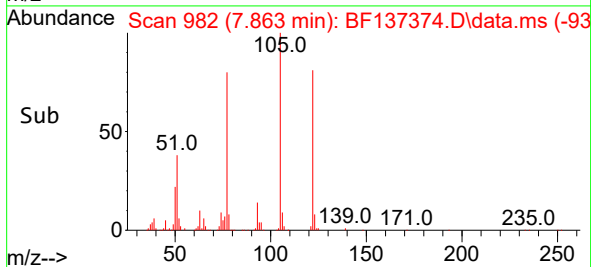
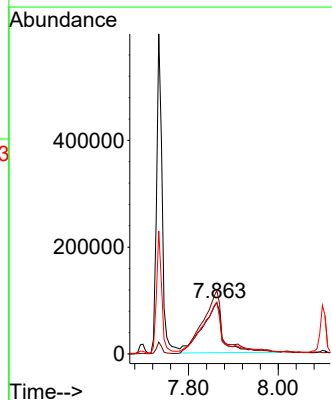
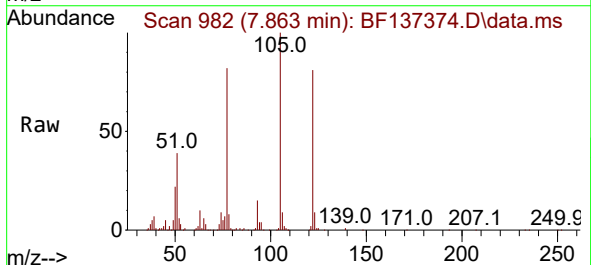
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

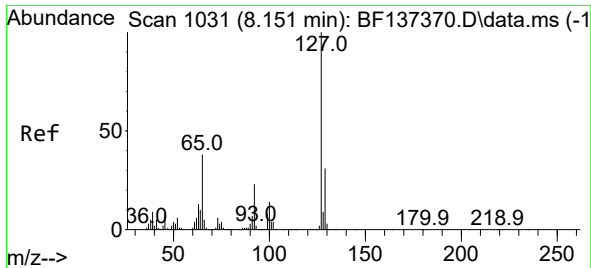
Tgt Ion:128 Resp: 1721496  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.6 13.0  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 41.851 ng  
RT: 7.863 min Scan# 982  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:122 Resp: 304968  
Ion Ratio Lower Upper  
122 100  
105 123.9 101.1 141.1  
77 101.1 82.8 122.8

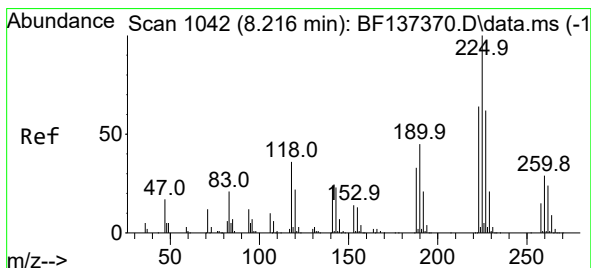
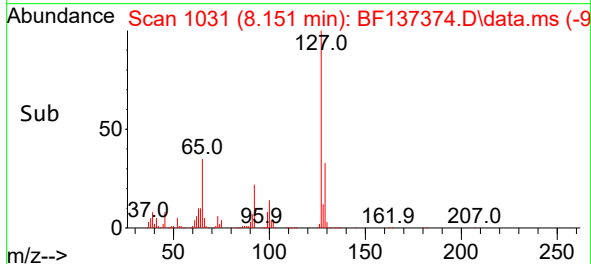
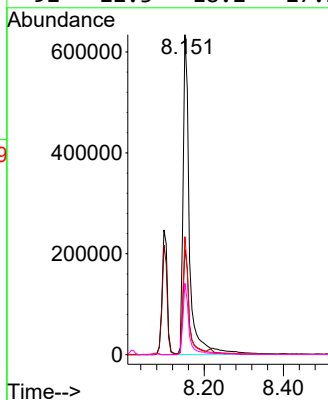
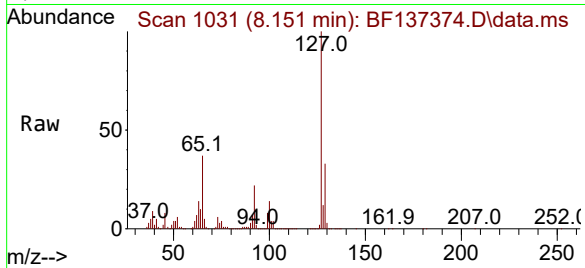




#33  
4-Chloroaniline  
Concen: 43.696 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

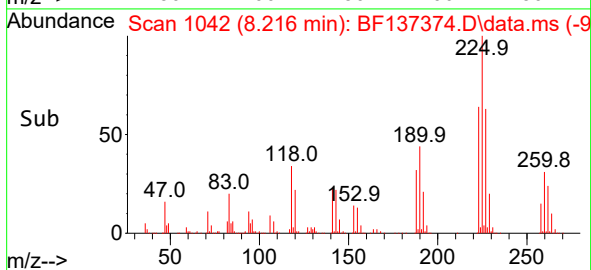
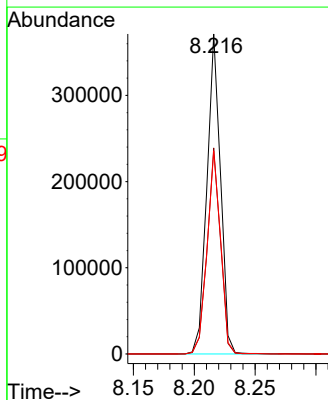
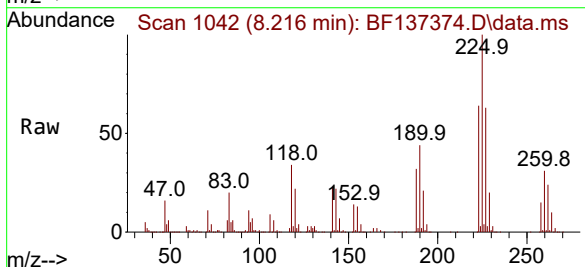
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

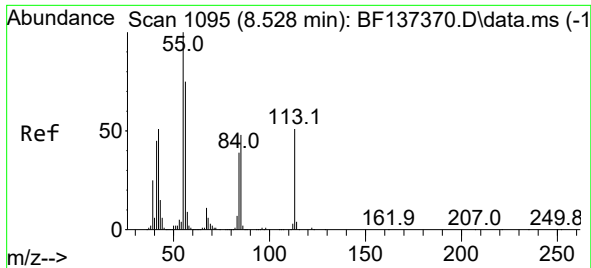
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 714978 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.0  | 25.0  | 37.6   |
| 65       | 36.9  | 30.4  | 45.6   |
| 92       | 22.3  | 18.2  | 27.2   |



#34  
Hexachlorobutadiene  
Concen: 39.390 ng  
RT: 8.216 min Scan# 1042  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 287486 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.4  | 51.4  | 77.0   |
| 227      | 63.5  | 49.8  | 74.6   |

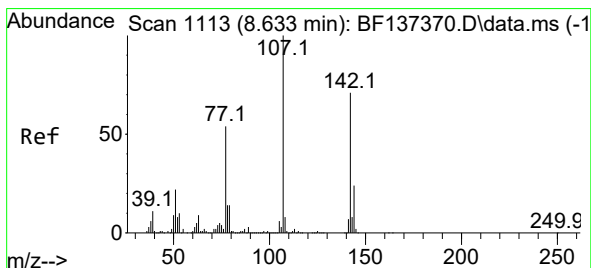
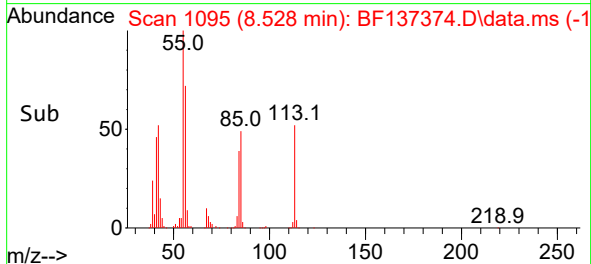
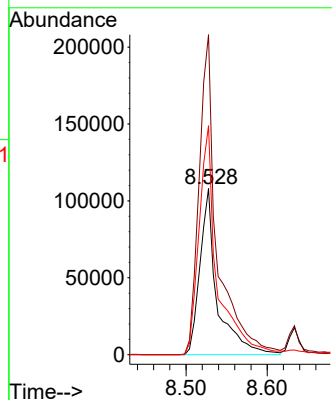
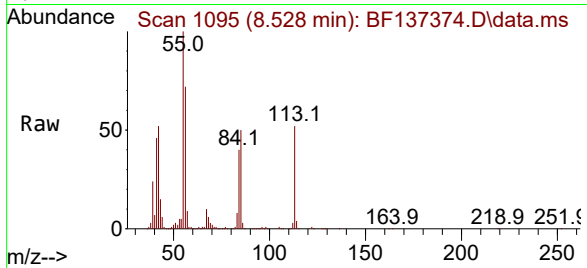




#35  
 Caprolactam  
 Concen: 45.244 ng  
 RT: 8.528 min Scan# 1095  
 Delta R.T. 0.000 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

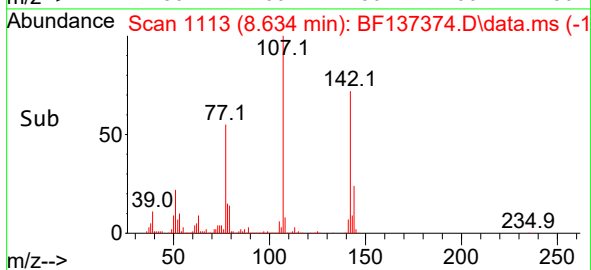
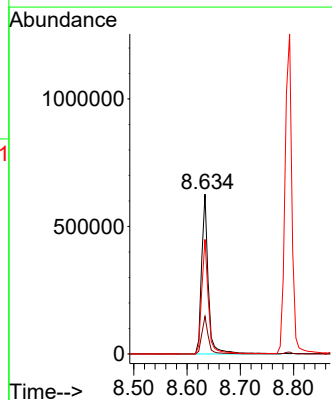
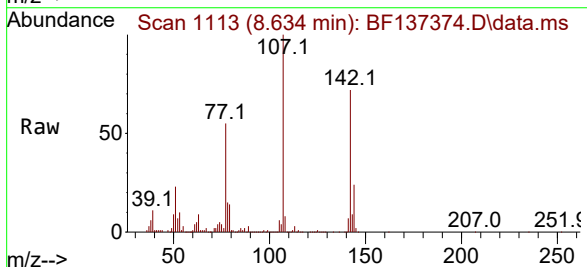
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF022324

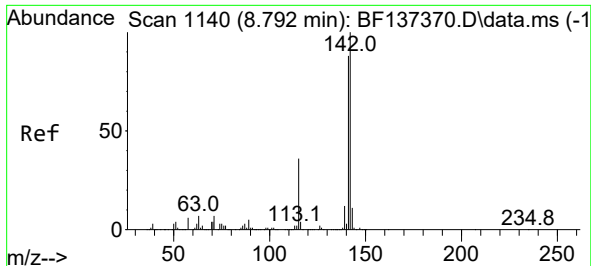
Tgt Ion:113 Resp: 160150  
 Ion Ratio Lower Upper  
 113 100  
 55 192.7 176.3 216.3  
 56 137.8 127.6 167.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.949 ng  
 RT: 8.634 min Scan# 1113  
 Delta R.T. 0.001 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

Tgt Ion:107 Resp: 544350  
 Ion Ratio Lower Upper  
 107 100  
 144 23.6 18.9 28.3  
 142 71.7 56.6 85.0

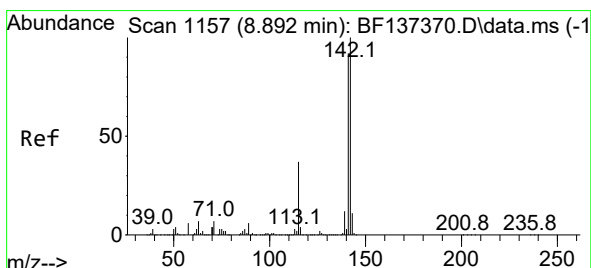
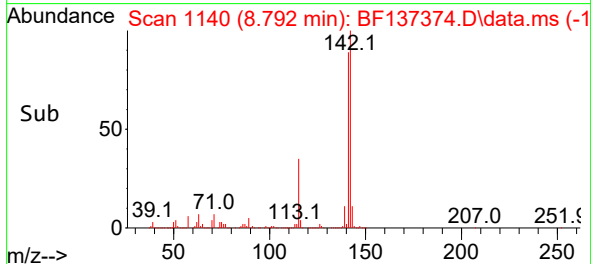
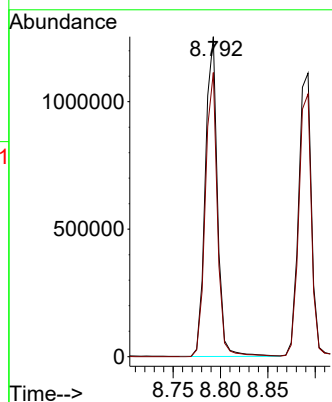
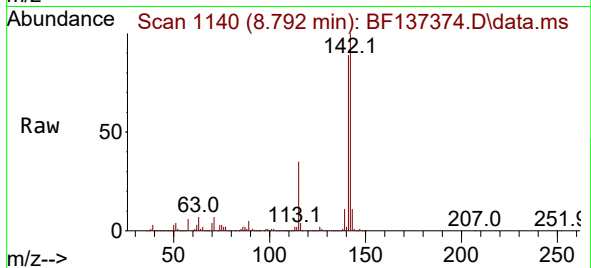




#37  
2-Methylnaphthalene  
Concen: 40.205 ng  
RT: 8.792 min Scan# 1140  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

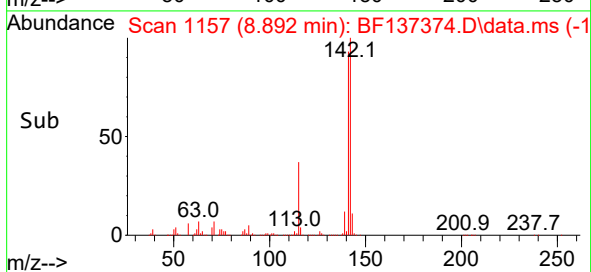
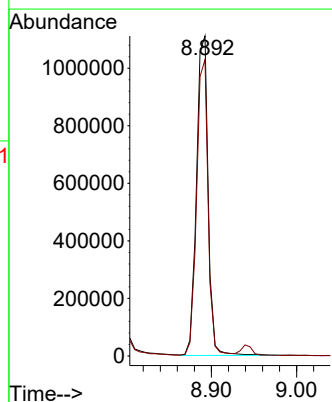
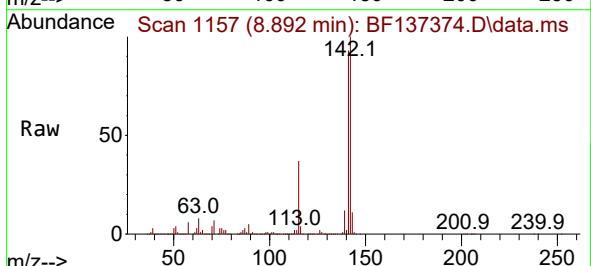
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

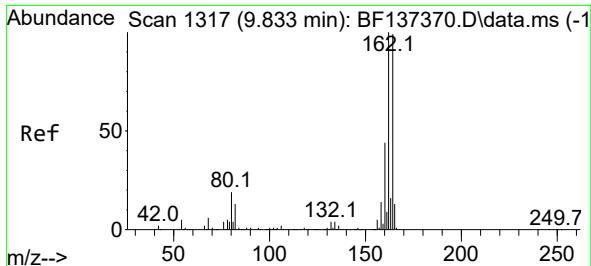
Tgt Ion:142 Resp: 1114555  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.3 105.5



#38  
1-Methylnaphthalene  
Concen: 40.317 ng  
RT: 8.892 min Scan# 1157  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:142 Resp: 1056704  
Ion Ratio Lower Upper  
142 100  
141 92.6 73.2 109.8

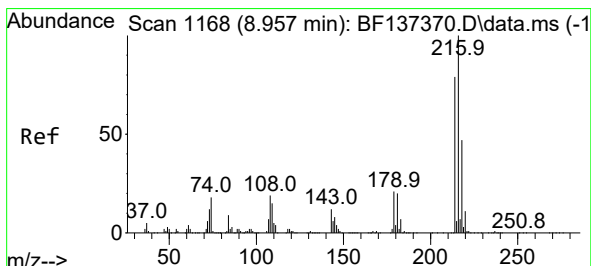
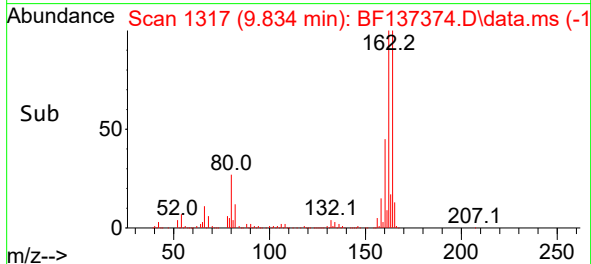
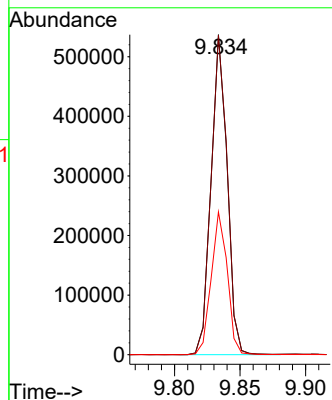
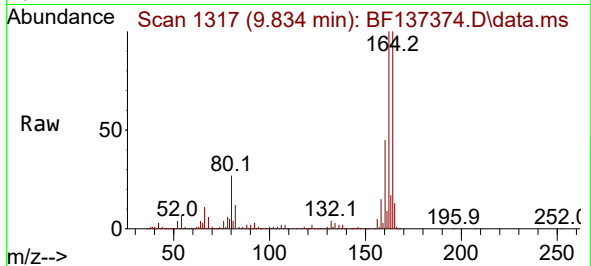




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.834 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

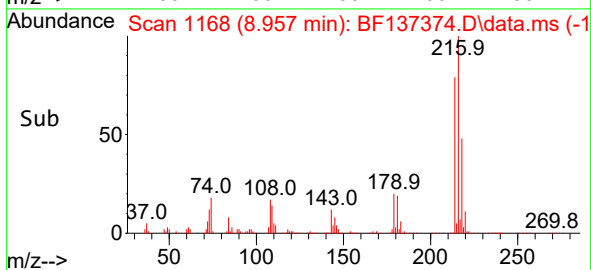
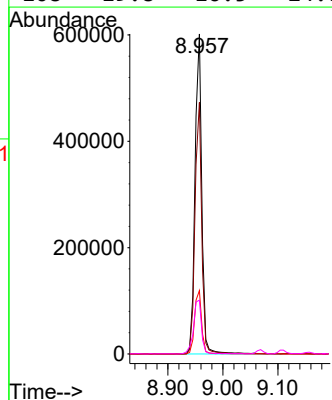
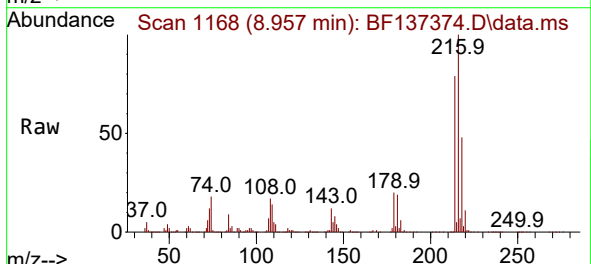
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

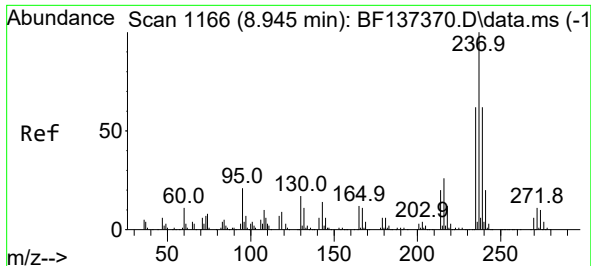
Tgt Ion:164 Resp: 458986  
Ion Ratio Lower Upper  
164 100  
162 99.7 81.2 121.8  
160 44.6 35.7 53.5



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.507 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:216 Resp: 512085  
Ion Ratio Lower Upper  
216 100  
214 78.3 62.3 93.5  
179 20.8 16.5 24.7  
108 19.8 16.5 24.7

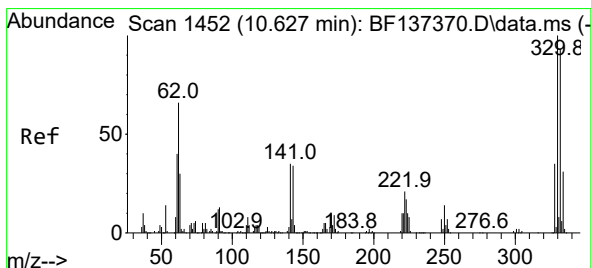
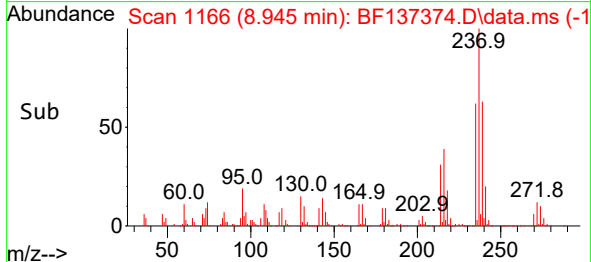
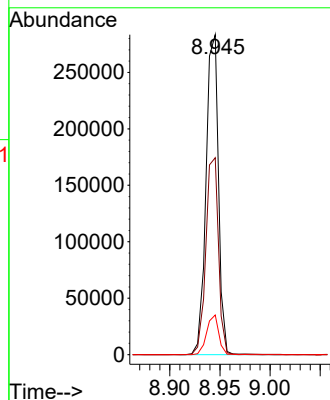
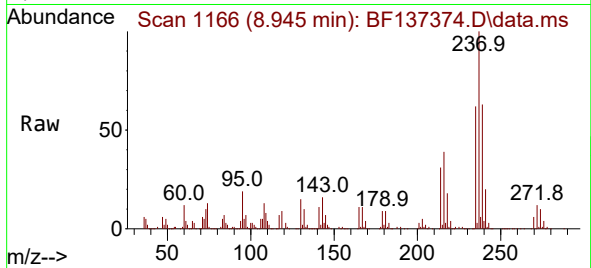




#41  
Hexachlorocyclopentadiene  
Concen: 42.862 ng  
RT: 8.945 min Scan# 1166  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

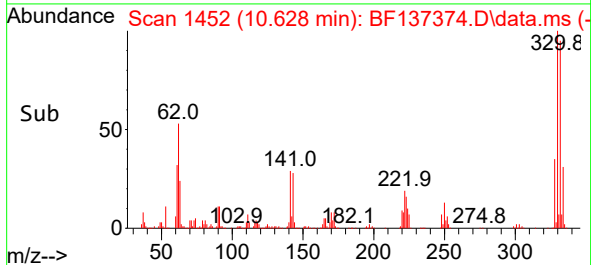
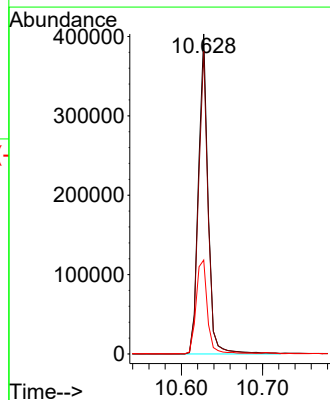
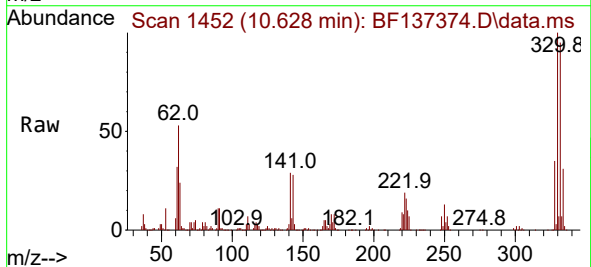
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

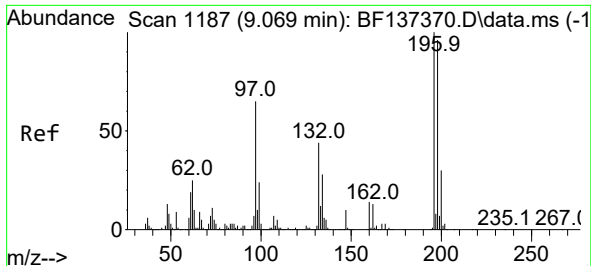
Tgt Ion:237 Resp: 245668  
Ion Ratio Lower Upper  
237 100  
235 61.6 42.0 82.0  
272 12.4 0.0 31.3



#42  
2,4,6-Tribromophenol  
Concen: 83.368 ng  
RT: 10.628 min Scan# 1452  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:330 Resp: 333212  
Ion Ratio Lower Upper  
330 100  
332 94.3 75.6 113.4  
141 34.7 28.6 42.8

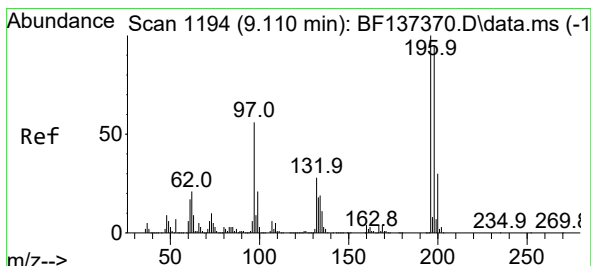
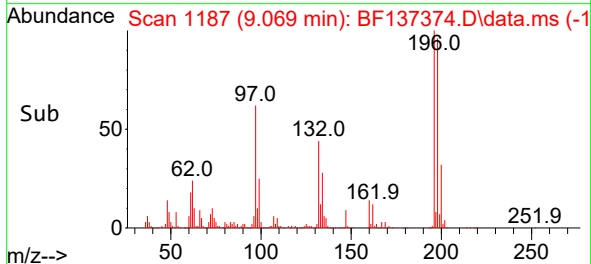
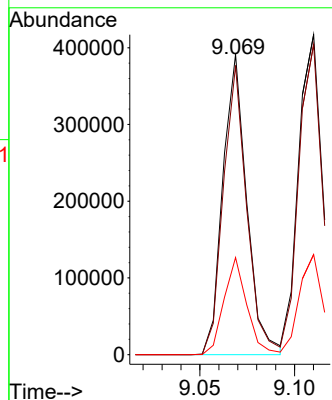
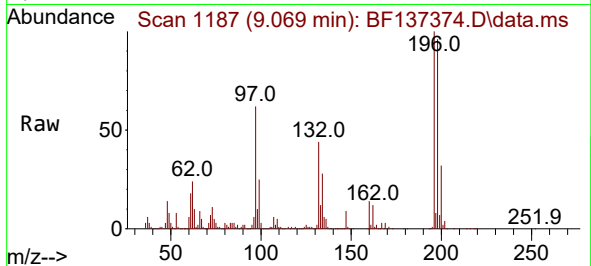




#43  
2,4,6-Trichlorophenol  
Concen: 42.037 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

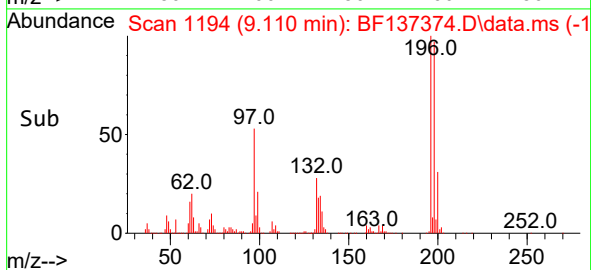
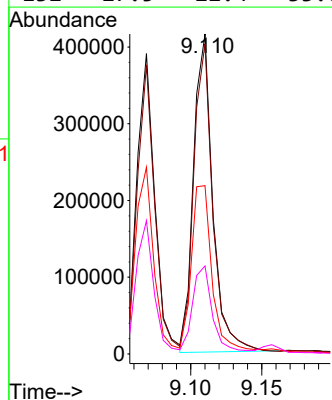
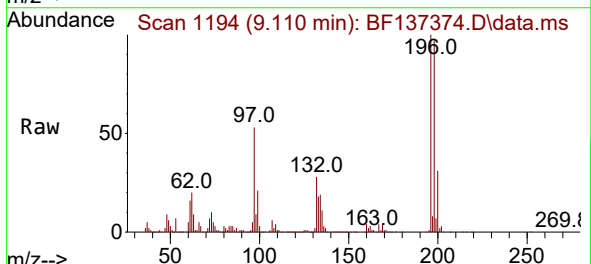
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

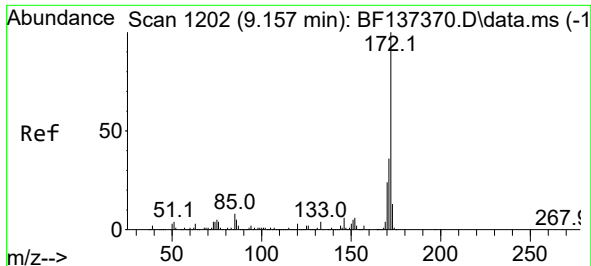
Tgt Ion:196 Resp: 344567  
Ion Ratio Lower Upper  
196 100  
198 96.3 77.0 115.4  
200 32.4 24.3 36.5



#44  
2,4,5-Trichlorophenol  
Concen: 41.648 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:196 Resp: 391644  
Ion Ratio Lower Upper  
196 100  
198 97.0 75.6 113.4  
97 52.6 44.6 66.8  
132 27.5 22.4 33.6

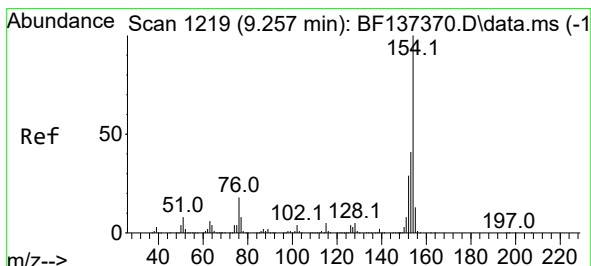
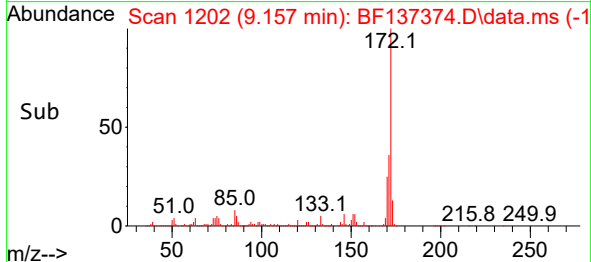
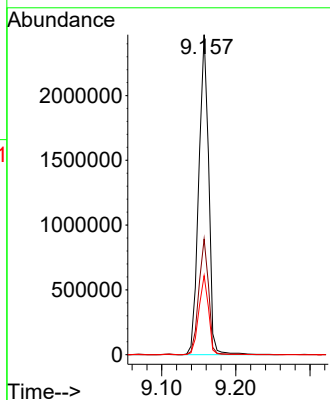
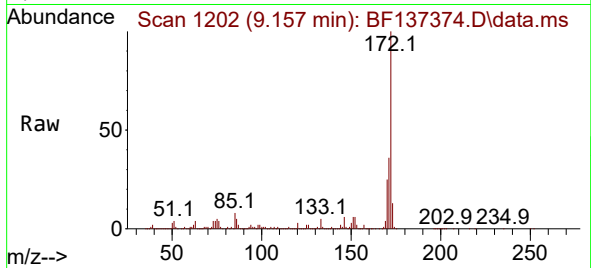




#45  
2-Fluorobiphenyl  
Concen: 77.575 ng  
RT: 9.157 min Scan# 1202  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

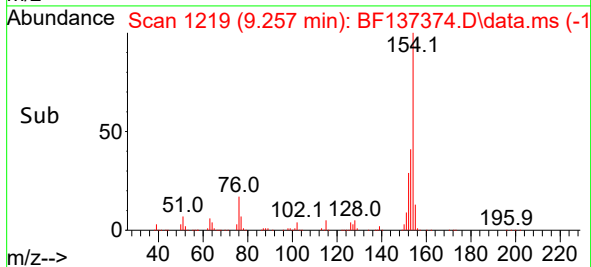
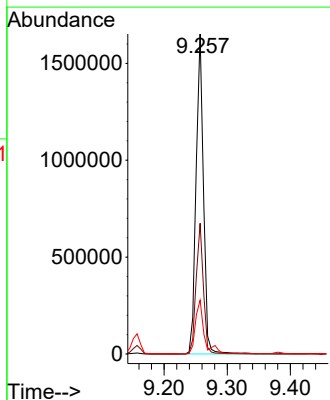
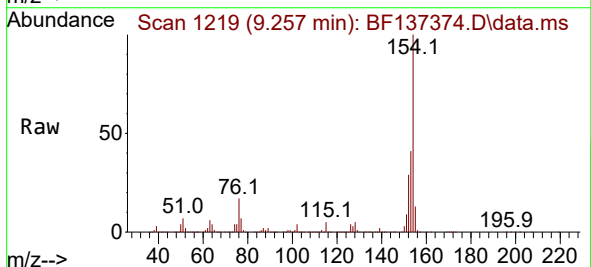
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

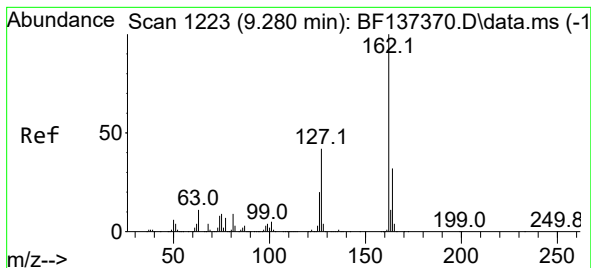
Tgt Ion:172 Resp: 2287066  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.7 43.1  
170 24.7 19.5 29.3



#46  
1,1'-Biphenyl  
Concen: 40.039 ng  
RT: 9.257 min Scan# 1219  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:154 Resp: 1338473  
Ion Ratio Lower Upper  
154 100  
153 40.8 21.2 61.2  
76 16.8 0.0 37.9





#47

2-Chloronaphthalene

Concen: 40.797 ng

RT: 9.281 min Scan# 1223

Delta R.T. 0.001 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

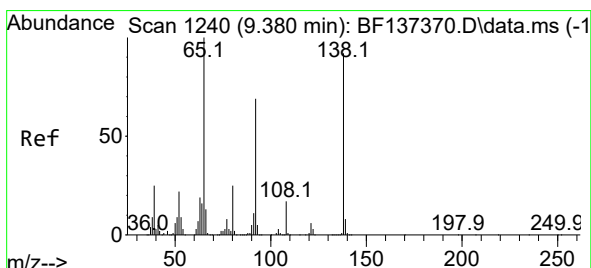
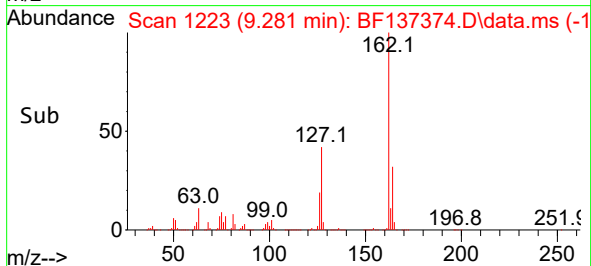
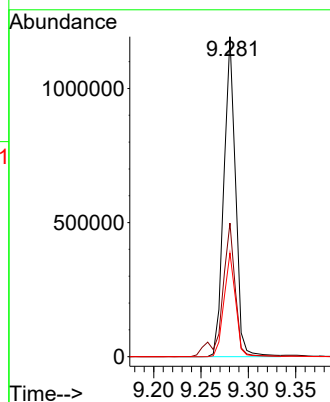
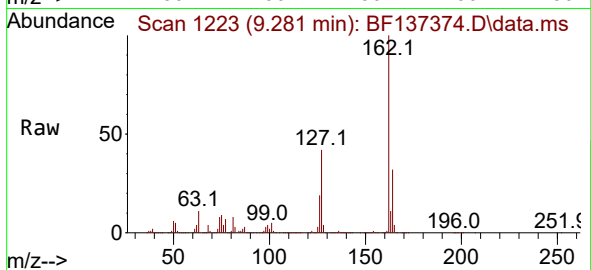
Tgt Ion:162 Resp: 1029954

Ion Ratio Lower Upper

162 100

127 41.8 33.6 50.4

164 32.4 25.9 38.9



#48

2-Nitroaniline

Concen: 42.544 ng

RT: 9.381 min Scan# 1240

Delta R.T. 0.001 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

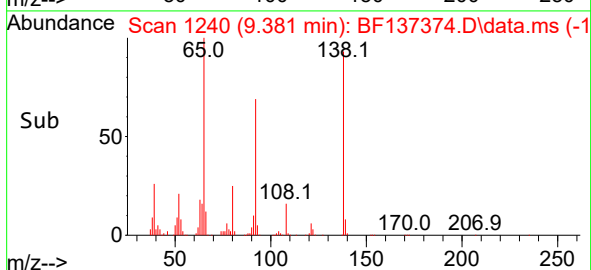
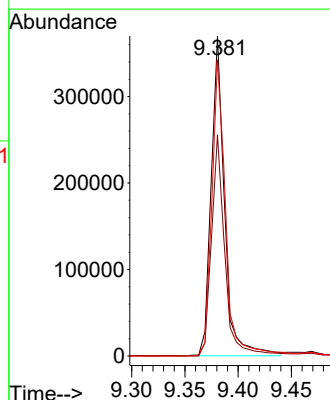
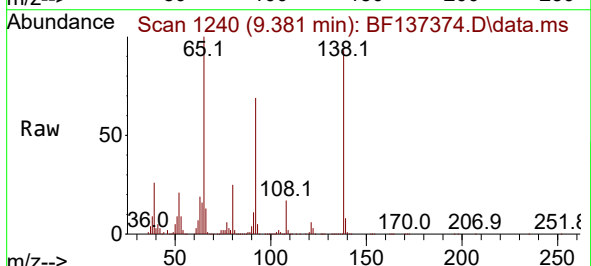
Tgt Ion: 65 Resp: 322153

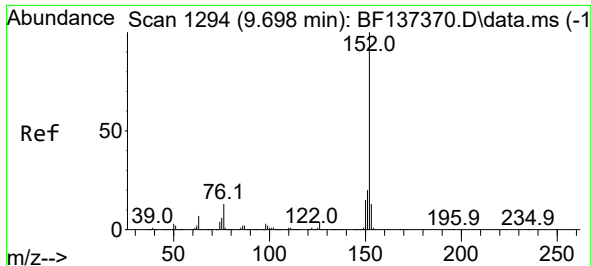
Ion Ratio Lower Upper

65 100

92 69.1 55.0 82.6

138 92.5 73.7 110.5

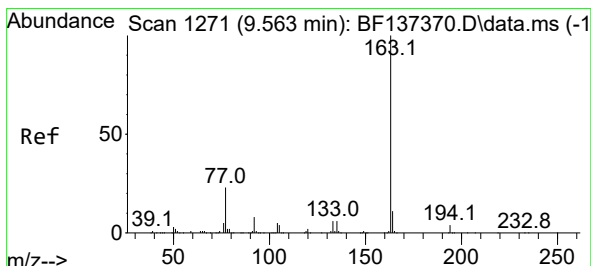
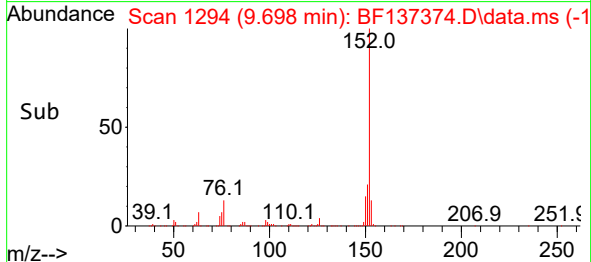
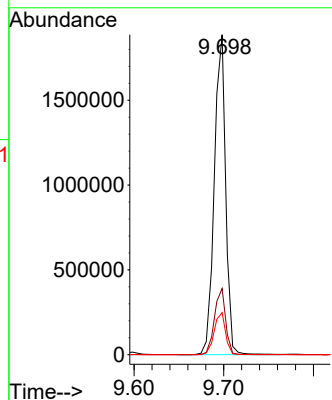
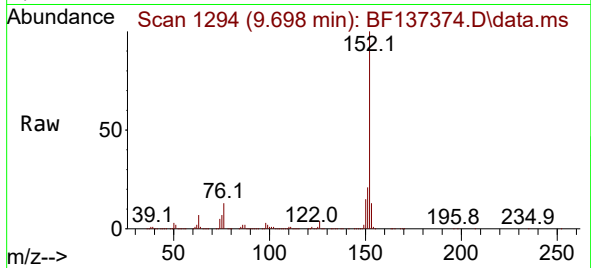




#49  
Acenaphthylene  
Concen: 40.400 ng  
RT: 9.698 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

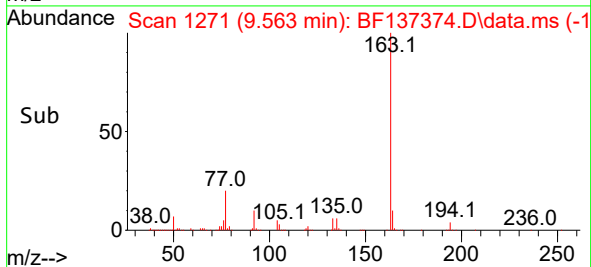
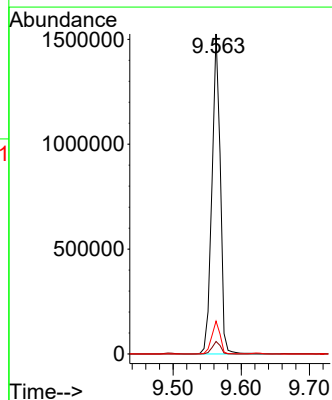
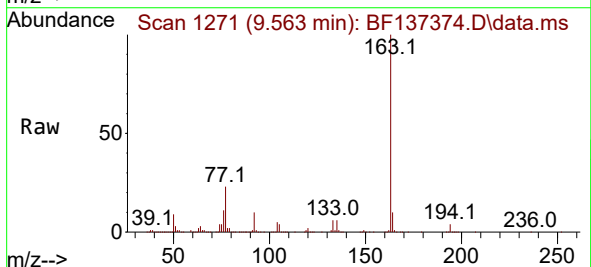
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

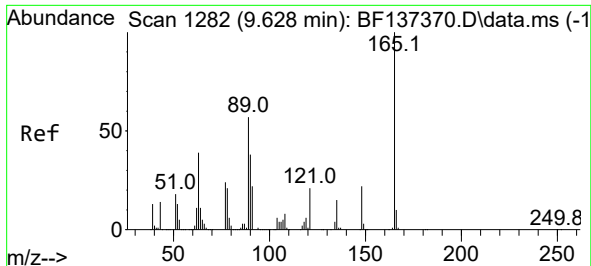
Tgt Ion:152 Resp: 1657106  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.2 24.4  
153 13.1 10.6 15.8



#50  
Dimethylphthalate  
Concen: 41.012 ng  
RT: 9.563 min Scan# 1271  
Delta R.T. -0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:163 Resp: 1300731  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.0 4.4  
164 10.3 8.5 12.7

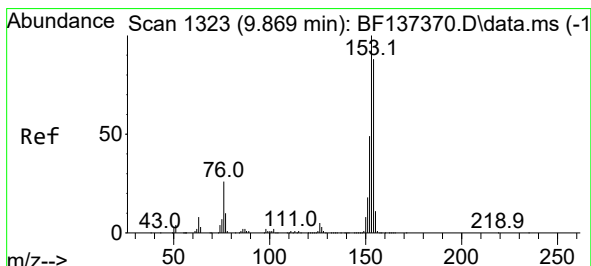
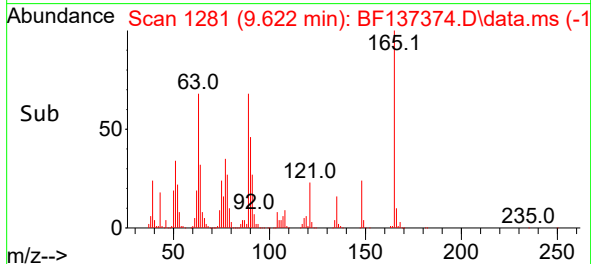
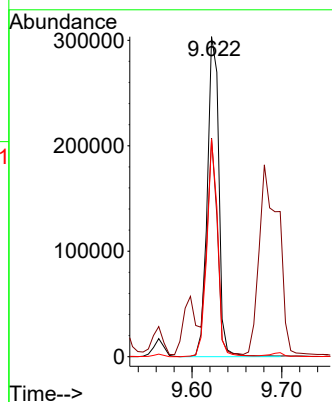
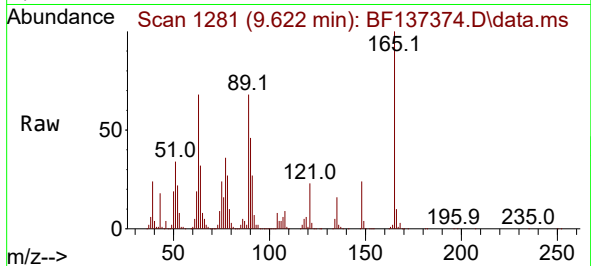




#51  
2,6-Dinitrotoluene  
Concen: 46.056 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

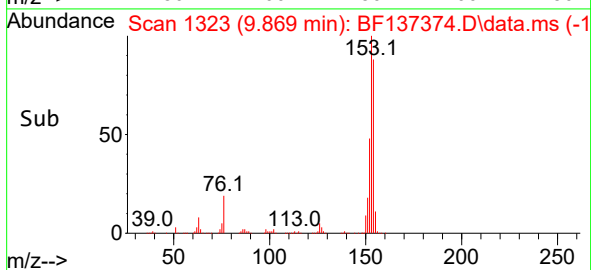
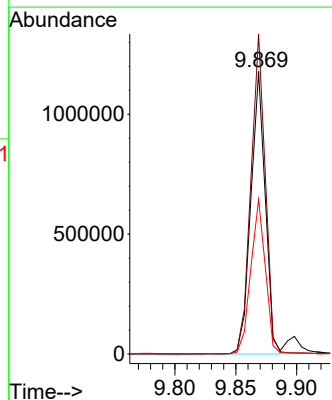
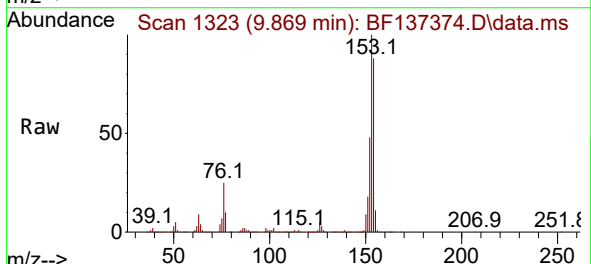
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

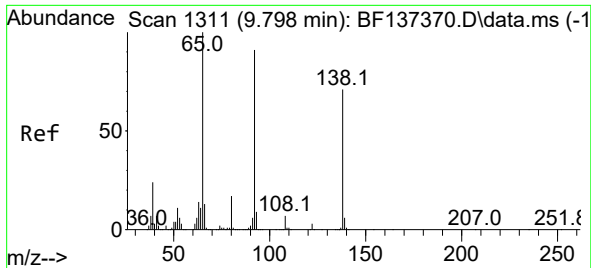
Tgt Ion:165 Resp: 271743  
Ion Ratio Lower Upper  
165 100  
63 68.3 41.6 62.4#  
89 67.9 45.8 68.6



#52  
Acenaphthene  
Concen: 39.738 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:154 Resp: 972971  
Ion Ratio Lower Upper  
154 100  
153 113.3 90.6 135.8  
152 54.8 44.1 66.1

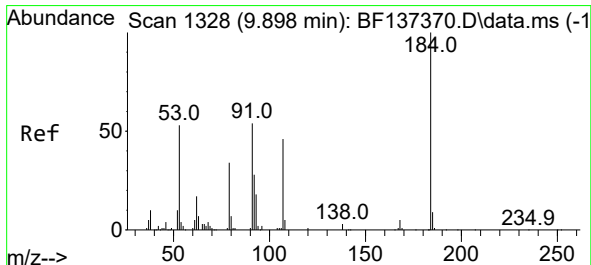
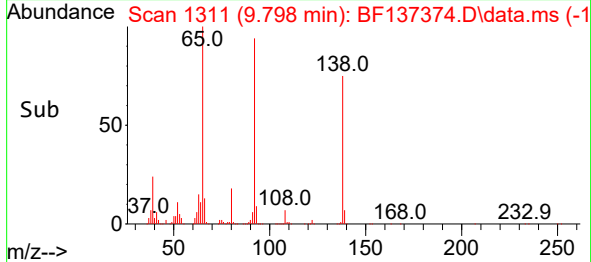
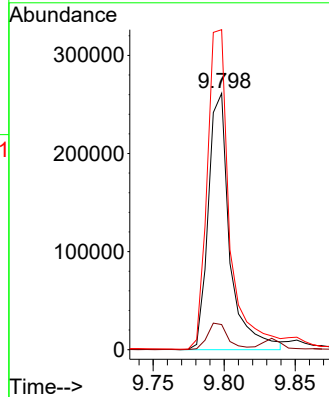
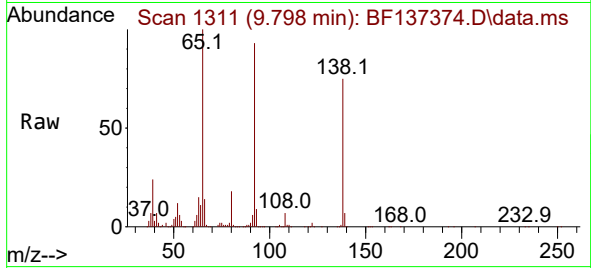




#53  
3-Nitroaniline  
Concen: 41.369 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

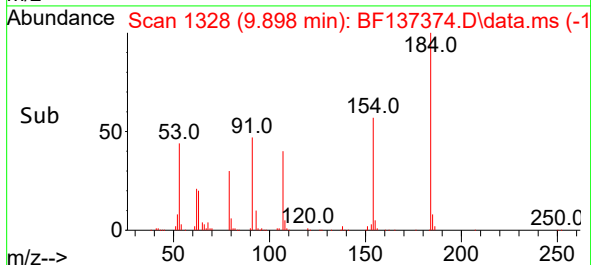
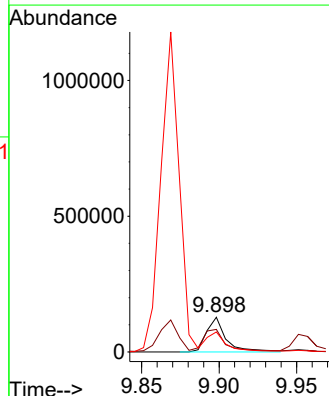
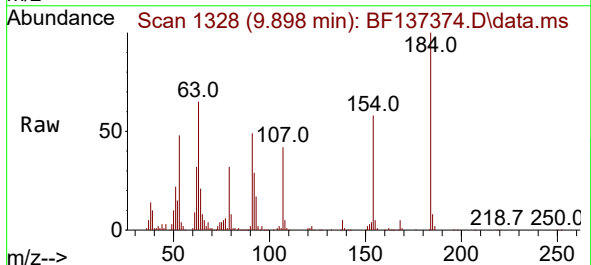
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

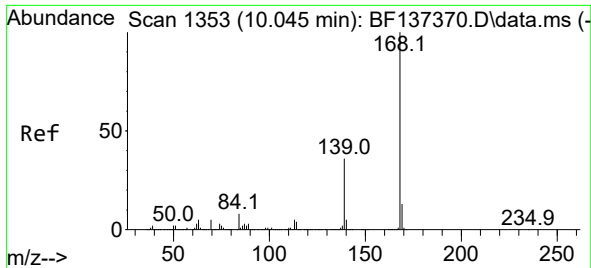
Tgt Ion:138 Resp: 276595  
Ion Ratio Lower Upper  
138 100  
108 9.8 8.2 12.2  
92 124.8 102.2 153.2



#54  
2,4-Dinitrophenol  
Concen: 42.731 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:184 Resp: 112796  
Ion Ratio Lower Upper  
184 100  
63 65.3 55.9 83.9  
154 57.7 47.6 71.4

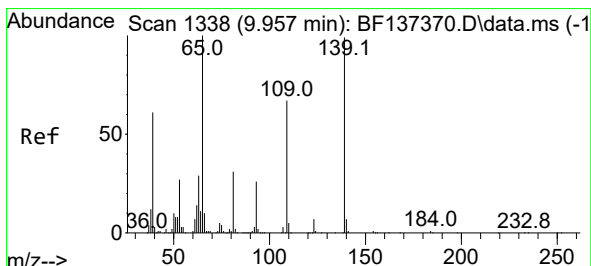
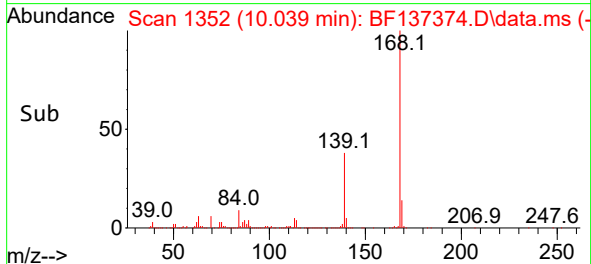
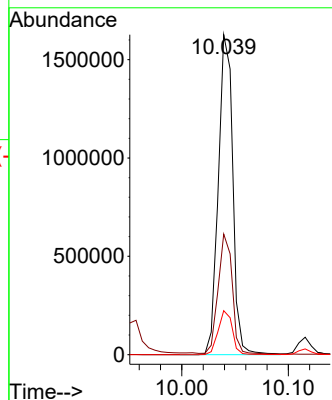
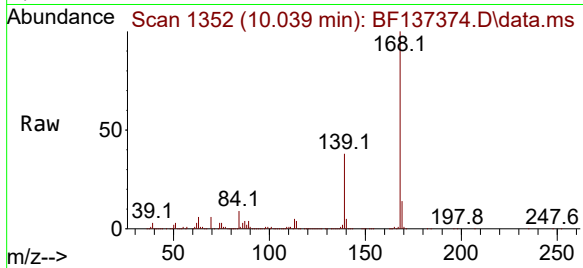




#55  
Dibenzenofuran  
Concen: 40.349 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

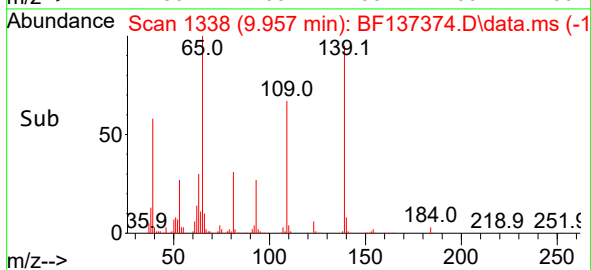
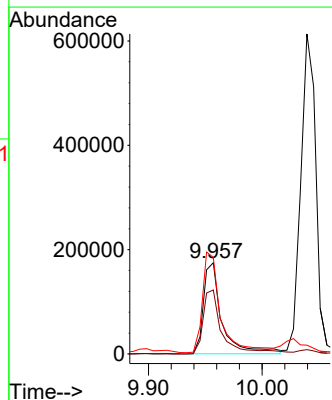
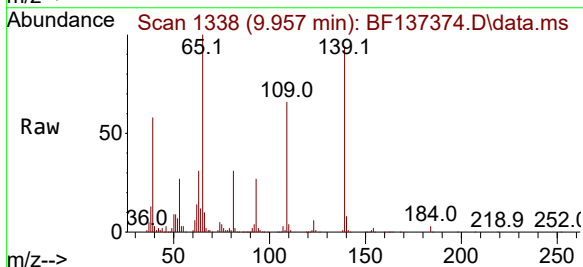
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

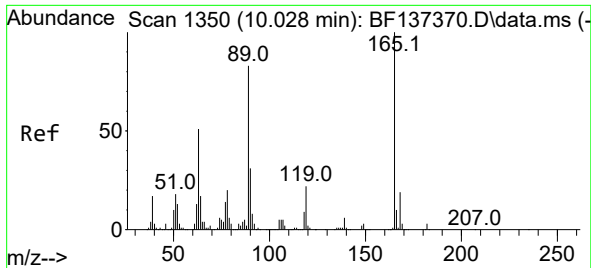
Tgt Ion:168 Resp: 1526912  
Ion Ratio Lower Upper  
168 100  
139 37.7 28.9 43.3  
169 13.7 10.8 16.2



#56  
4-Nitrophenol  
Concen: 42.238 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:139 Resp: 198944  
Ion Ratio Lower Upper  
139 100  
109 70.2 48.0 88.0  
65 105.8 82.2 122.2

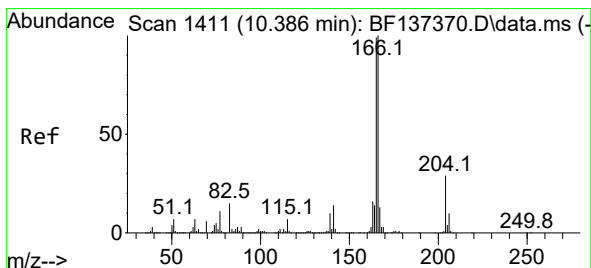
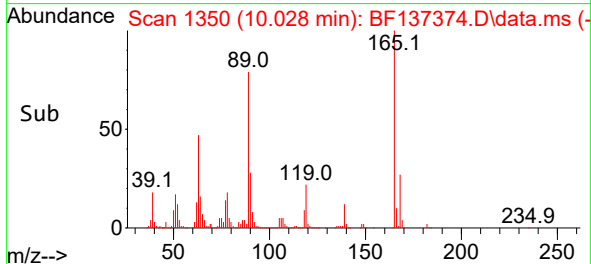
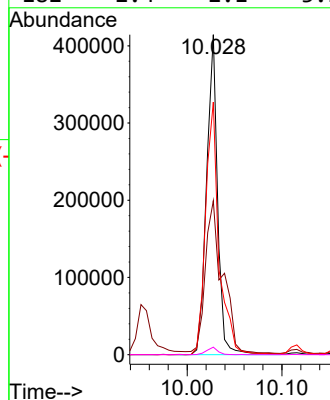
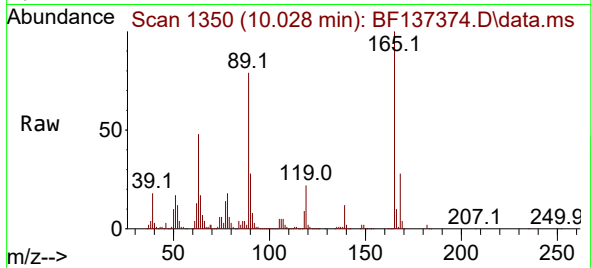




#57  
2,4-Dinitrotoluene  
Concen: 45.043 ng  
RT: 10.028 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

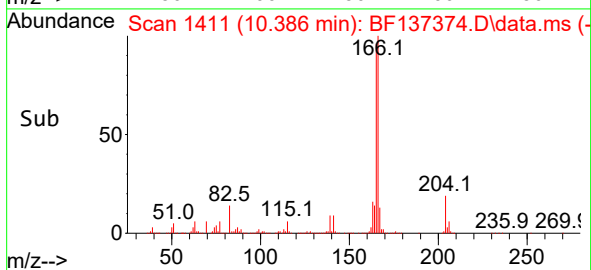
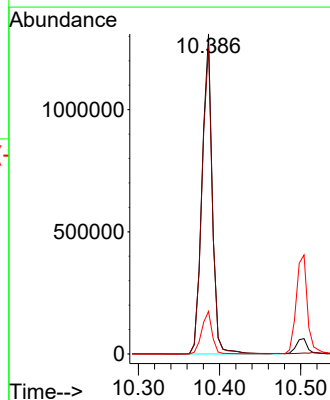
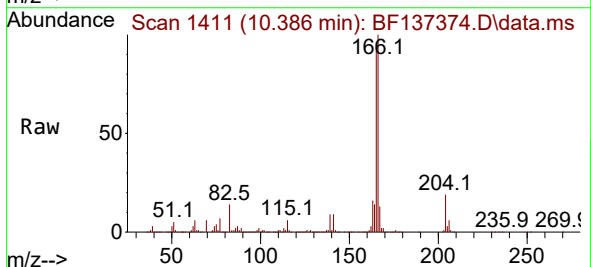
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

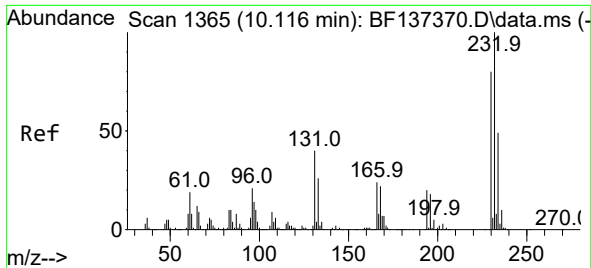
Tgt Ion:165 Resp: 335511  
Ion Ratio Lower Upper  
165 100  
63 48.1 41.1 61.7  
89 79.0 66.6 100.0  
182 2.4 2.1 3.1



#58  
Fluorene  
Concen: 39.504 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:166 Resp: 1141658  
Ion Ratio Lower Upper  
166 100  
165 96.2 78.8 118.2  
167 13.3 10.5 15.7



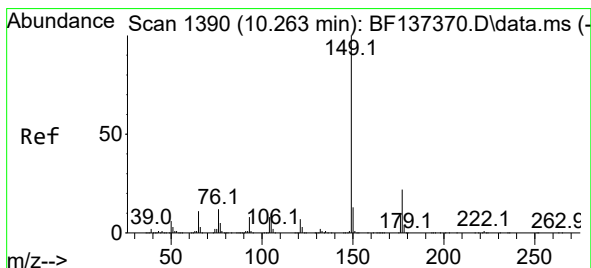
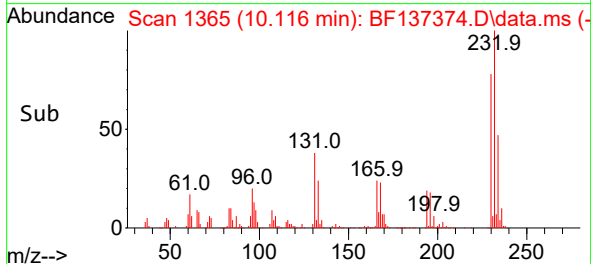
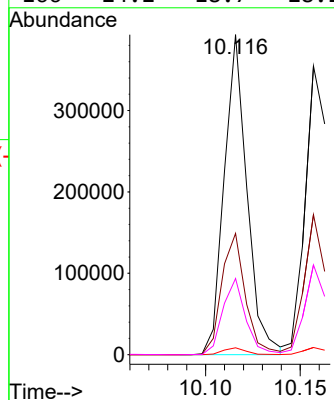
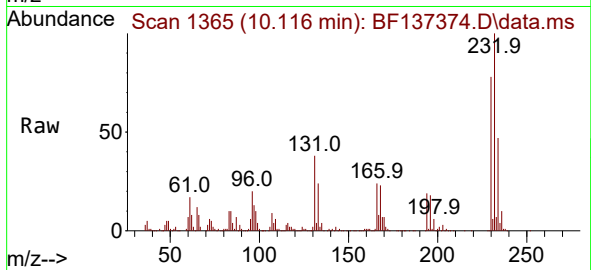


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.293 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. -0.041 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

Tgt Ion:232 Resp: 329345

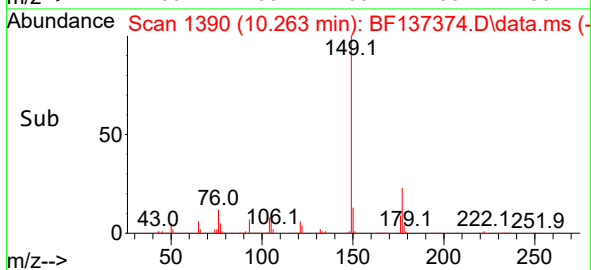
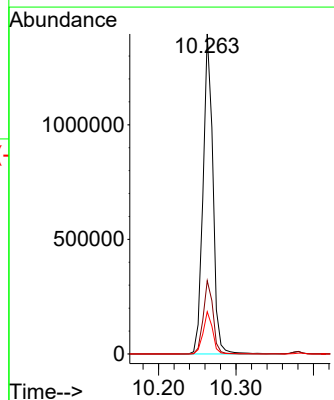
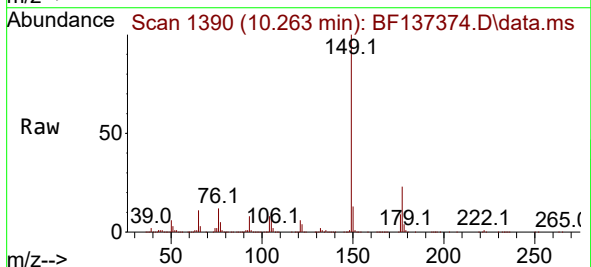
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 39.5  | 31.1  | 46.7  |
| 130 | 2.2   | 1.8   | 2.6   |
| 166 | 24.2  | 18.7  | 28.1  |

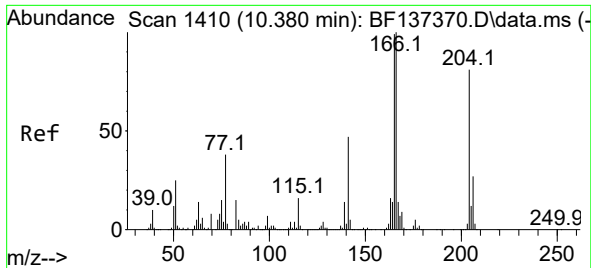


#60  
Diethylphthalate  
Concen: 41.599 ng  
RT: 10.263 min Scan# 1390  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:149 Resp: 1231790

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 22.9  | 18.0  | 27.0  |
| 150 | 13.2  | 10.2  | 15.2  |

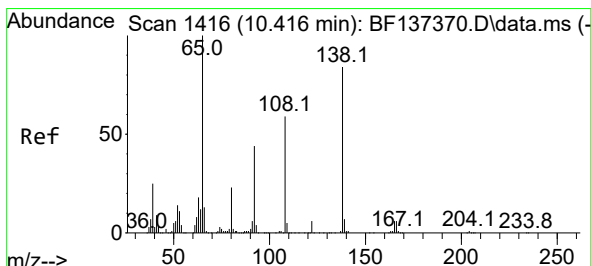
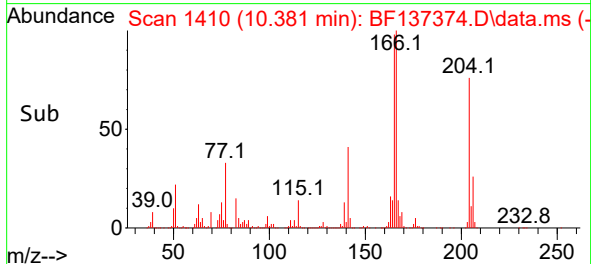
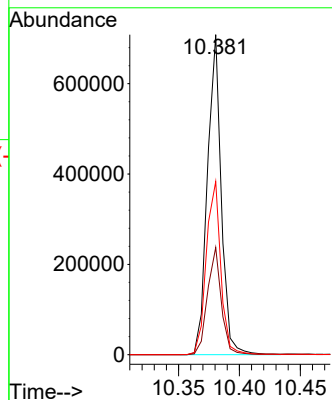
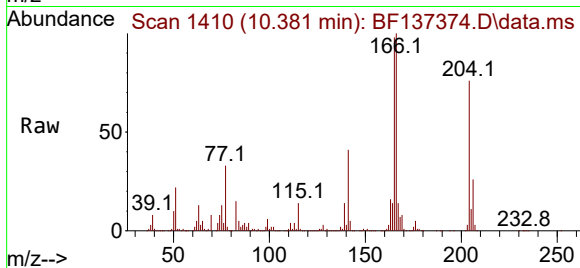




#61  
4-Chlorophenyl-phenylether  
Concen: 39.184 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

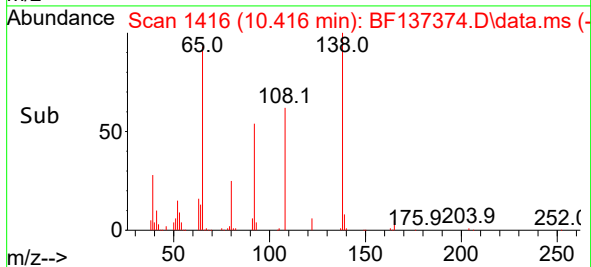
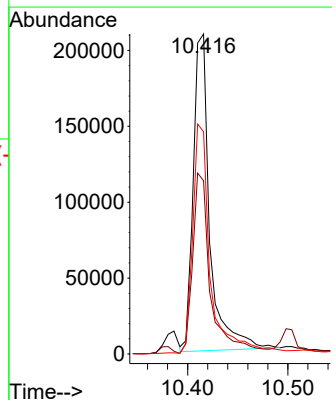
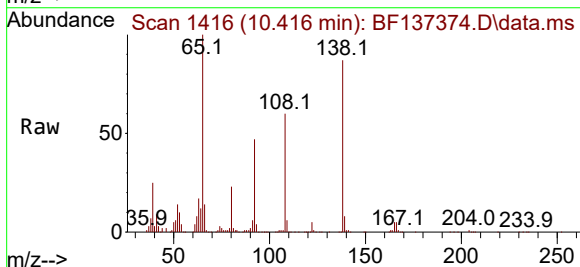
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

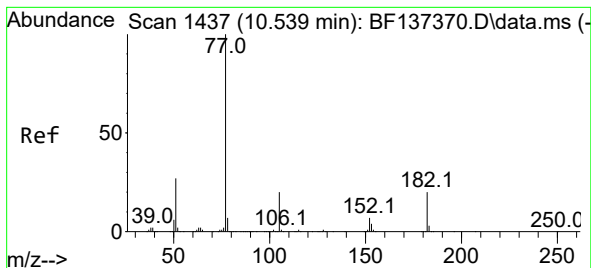
Tgt Ion:204 Resp: 557049  
Ion Ratio Lower Upper  
204 100  
206 33.5 26.8 40.2  
141 54.1 46.4 69.6



#62  
4-Nitroaniline  
Concen: 39.041 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:138 Resp: 240272  
Ion Ratio Lower Upper  
138 100  
92 54.1 33.4 73.4  
108 69.4 50.4 90.4





#63

Azobenzene

Concen: 40.418 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

Tgt Ion: 77 Resp: 1431929

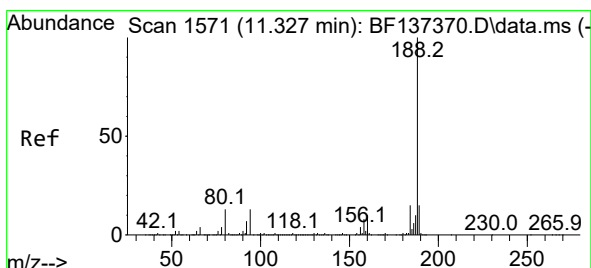
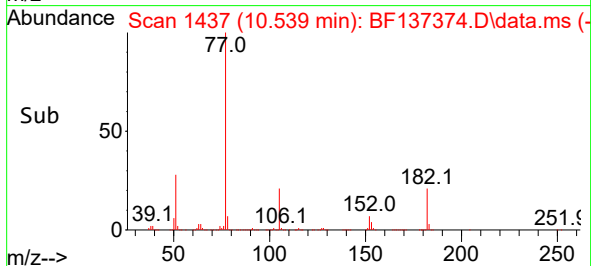
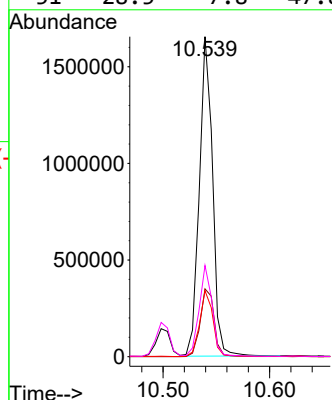
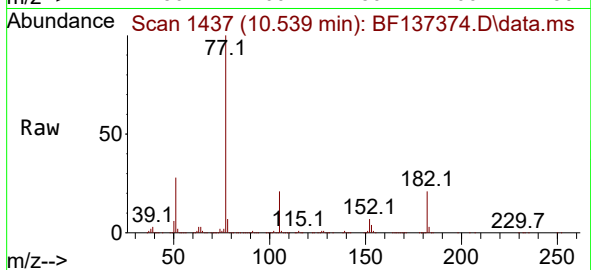
Ion Ratio Lower Upper

77 100

182 21.2 0.0 39.6

105 20.6 0.4 40.4

51 28.5 7.8 47.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1571

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

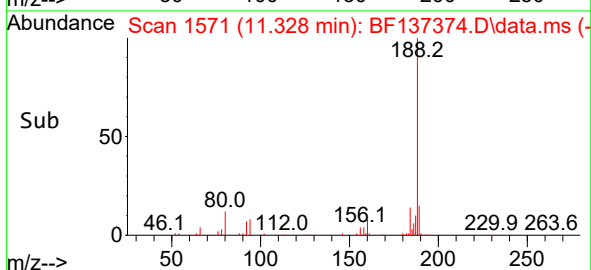
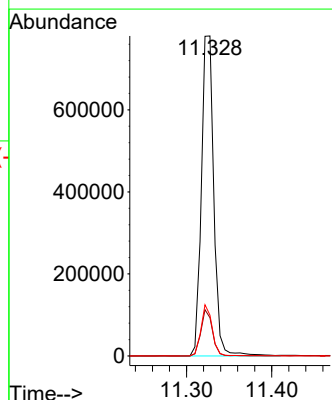
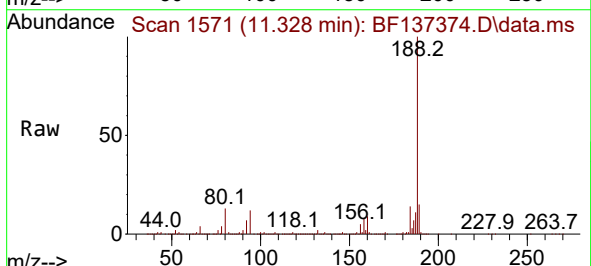
Tgt Ion: 188 Resp: 791474

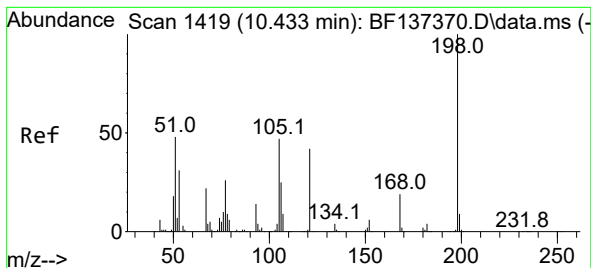
Ion Ratio Lower Upper

188 100

94 12.0 10.2 15.2

80 12.8 10.7 16.1

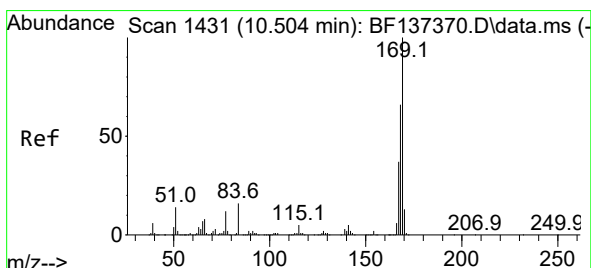
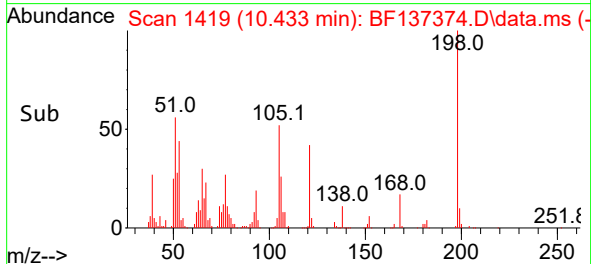
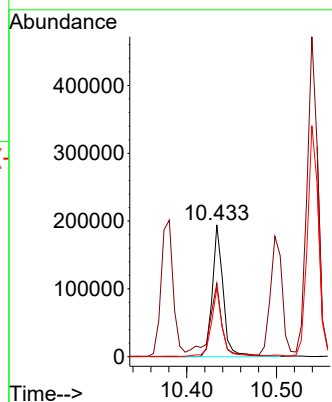
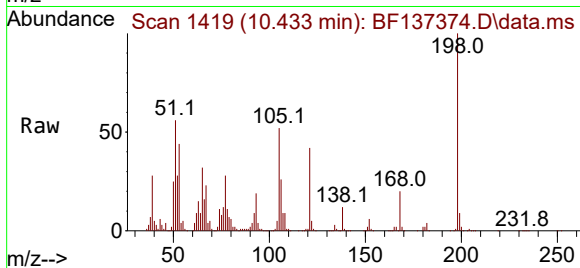




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.591 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

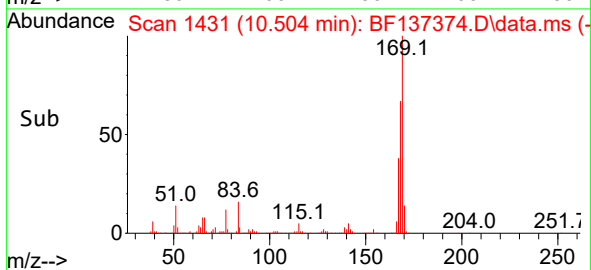
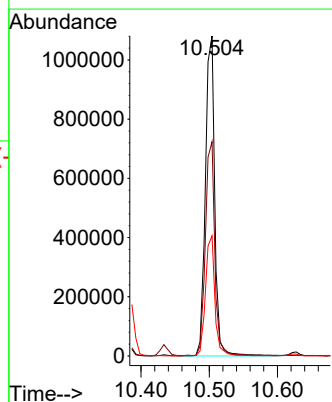
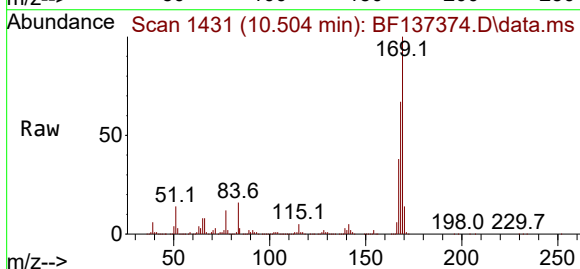
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

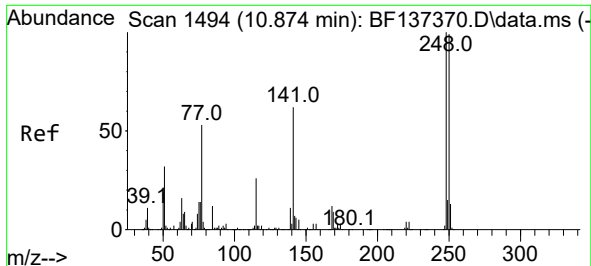
Tgt Ion:198 Resp: 162667  
Ion Ratio Lower Upper  
198 100  
51 55.7 36.8 76.8  
105 52.3 28.5 68.5



#66  
n-Nitrosodiphenylamine  
Concen: 40.156 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:169 Resp: 1032207  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.0 79.4  
167 37.5 29.2 43.8

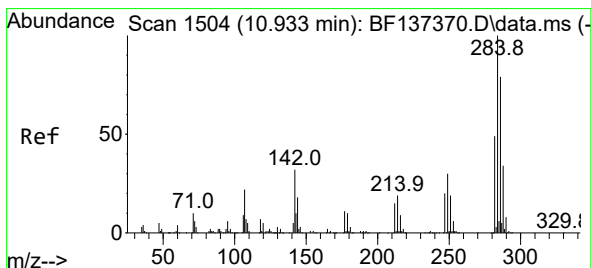
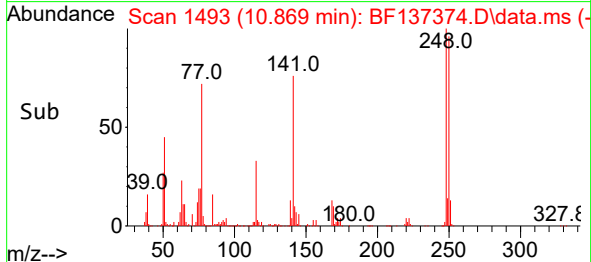
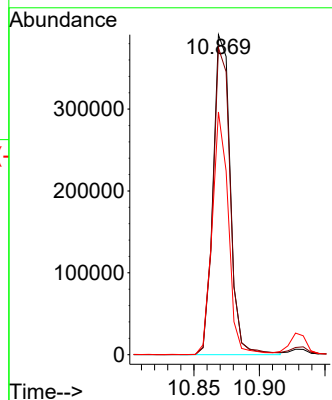
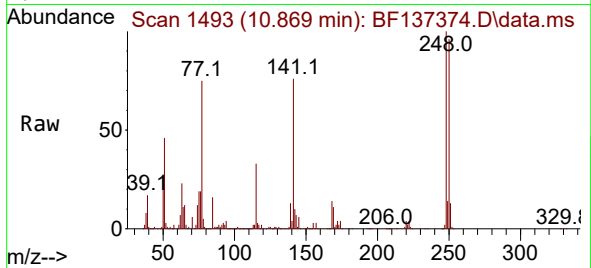




#67  
4-Bromophenyl-phenylether  
Concen: 41.882 ng  
RT: 10.869 min Scan# 1493  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

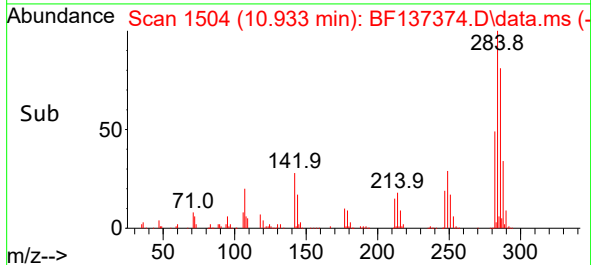
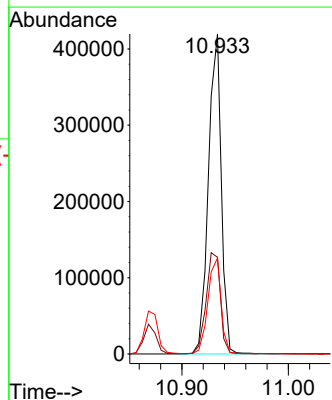
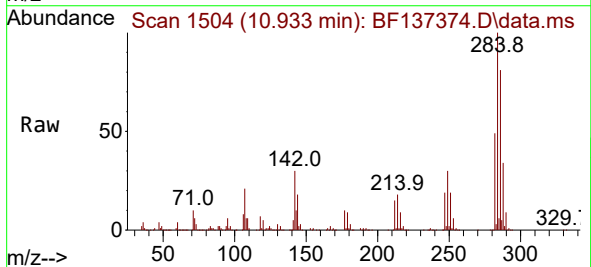
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

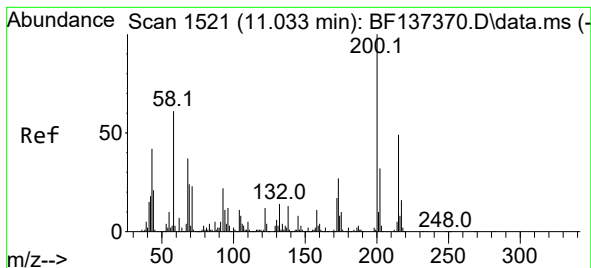
Tgt Ion:248 Resp: 356363  
Ion Ratio Lower Upper  
248 100  
250 95.9 79.0 118.6  
141 75.8 49.9 74.9#



#68  
Hexachlorobenzene  
Concen: 40.303 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:284 Resp: 354742  
Ion Ratio Lower Upper  
284 100  
142 30.2 25.4 38.0  
249 30.0 24.2 36.4





#69

Atrazine

Concen: 44.062 ng

RT: 11.033 min Scan# 1521

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

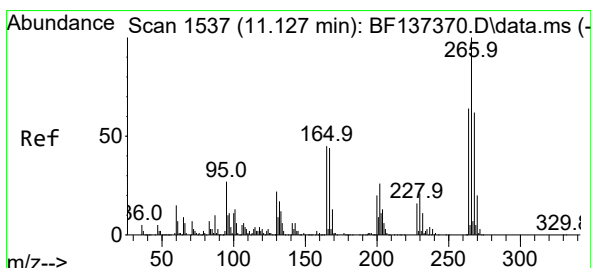
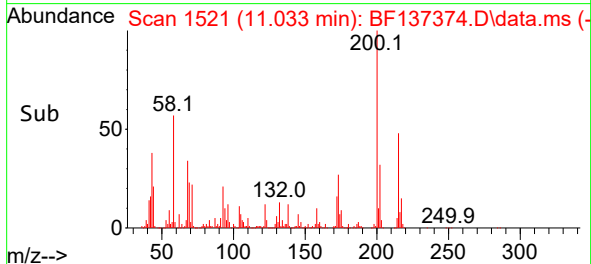
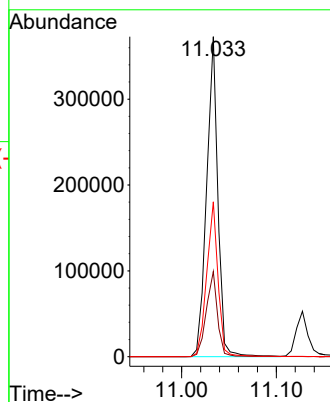
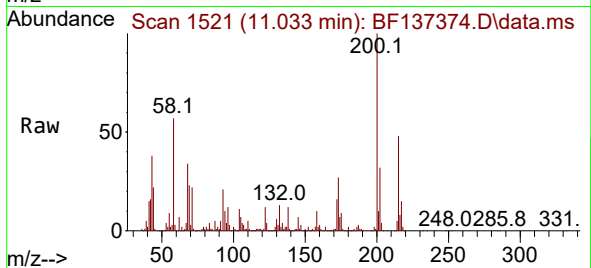
Tgt Ion:200 Resp: 305655

Ion Ratio Lower Upper

200 100

173 26.6 6.8 46.8

215 48.4 29.4 69.4



#70

Pentachlorophenol

Concen: 44.238 ng

RT: 11.128 min Scan# 1537

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

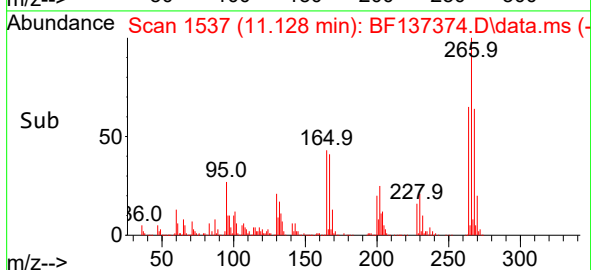
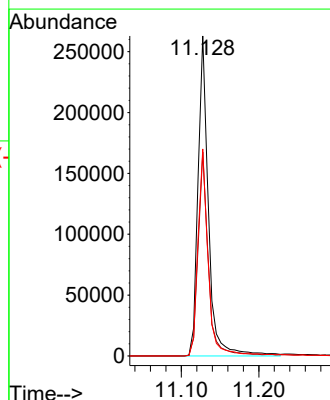
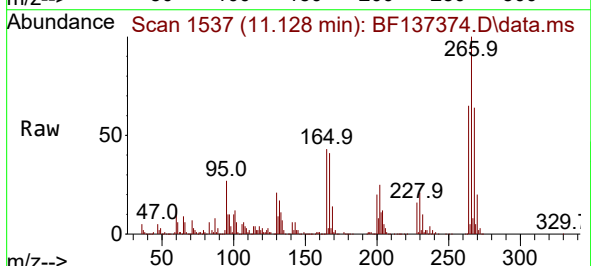
Tgt Ion:266 Resp: 246704

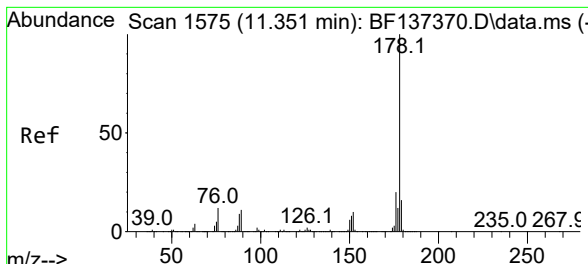
Ion Ratio Lower Upper

266 100

268 63.7 49.4 74.2

264 64.7 51.3 76.9



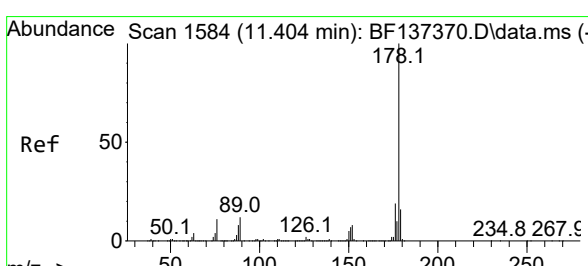
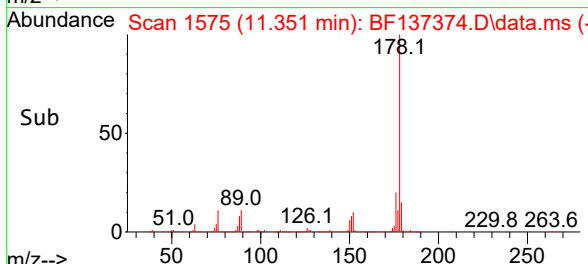
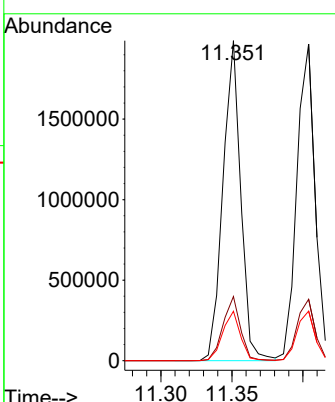
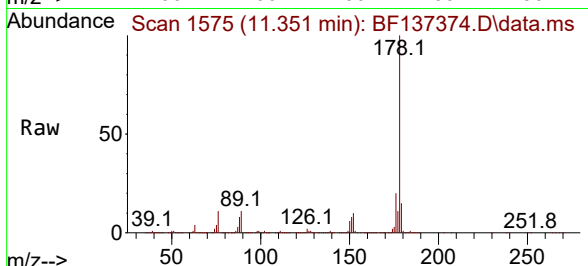


#71  
 Phenanthrene  
 Concen: 39.656 ng  
 RT: 11.351 min Scan# 1575  
 Delta R.T. 0.000 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

Instrument : BNA\_F  
 ClientSampleId : ICVBF022324

Tgt Ion:178 Resp: 1731648

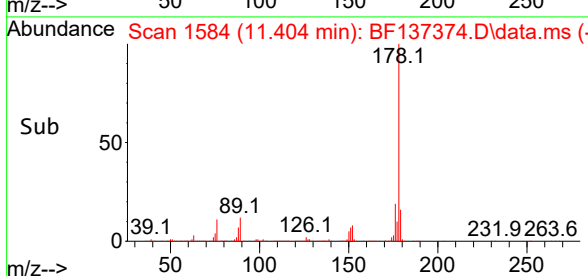
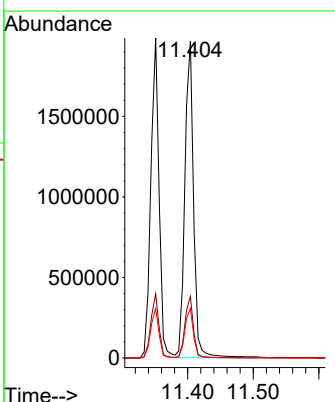
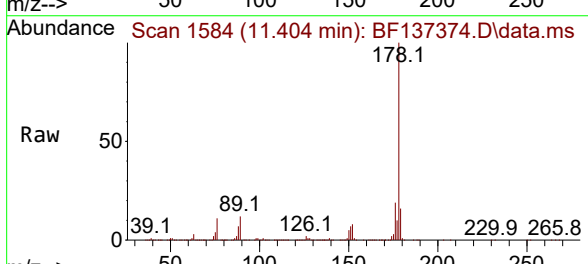
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 20.1  | 16.2  | 24.4  |
| 179 | 15.4  | 12.7  | 19.1  |

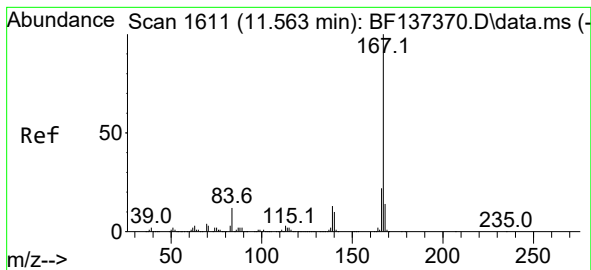


#72  
 Anthracene  
 Concen: 40.158 ng  
 RT: 11.404 min Scan# 1584  
 Delta R.T. 0.000 min  
 Lab File: BF137374.D  
 Acq: 23 Feb 2024 14:28

Tgt Ion:178 Resp: 1807169

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 176 | 19.4  | 15.3  | 22.9  |
| 179 | 15.7  | 12.6  | 18.8  |





#73

Carbazole

Concen: 41.288 ng

RT: 11.563 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

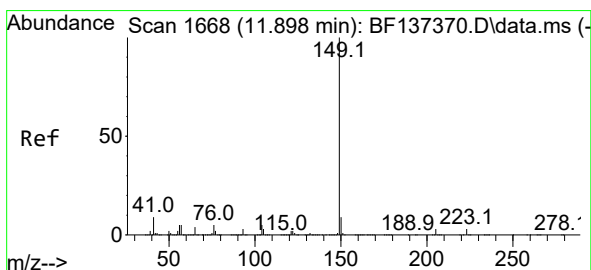
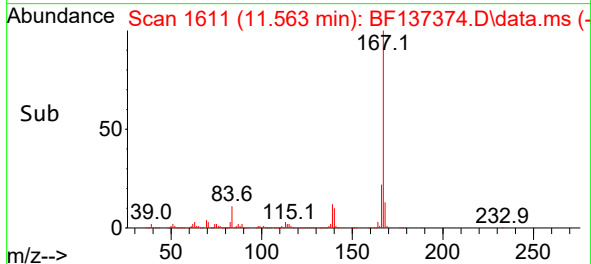
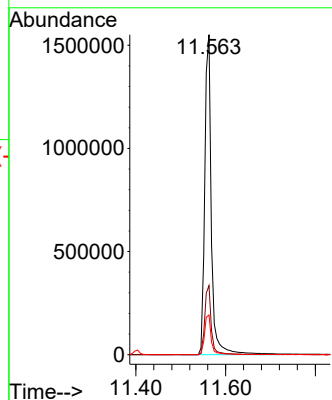
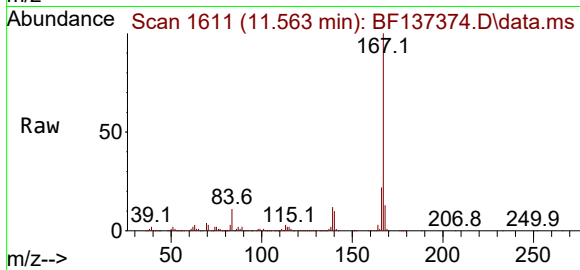
Tgt Ion:167 Resp: 1587463

Ion Ratio Lower Upper

167 100

166 21.6 17.8 26.6

139 12.4 10.0 15.0



#74

Di-n-butylphthalate

Concen: 46.745 ng

RT: 11.898 min Scan# 1668

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

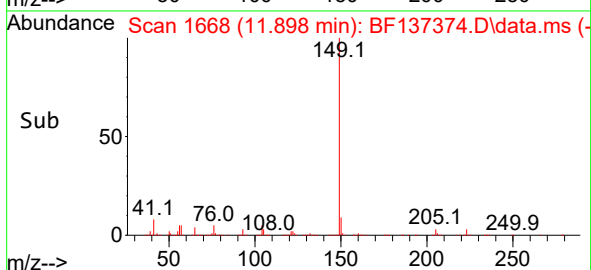
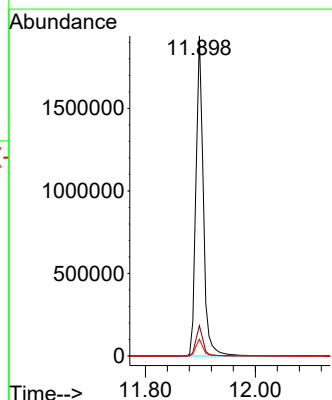
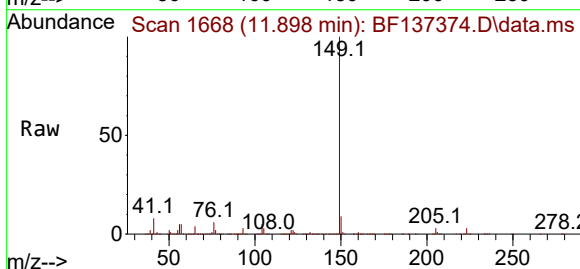
Tgt Ion:149 Resp: 1798387

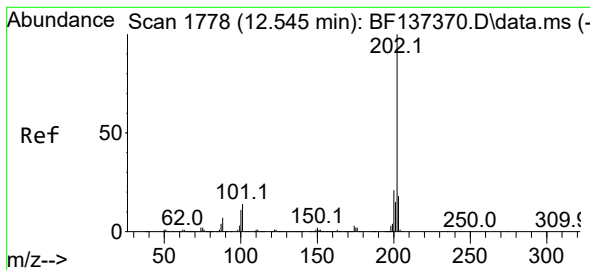
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.3 4.2 6.2

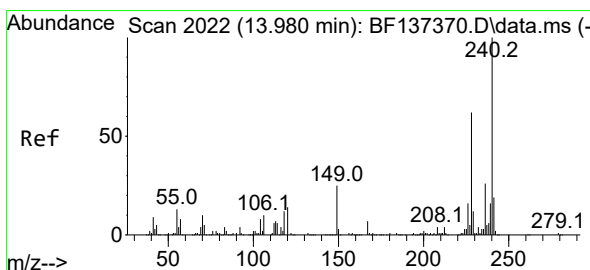
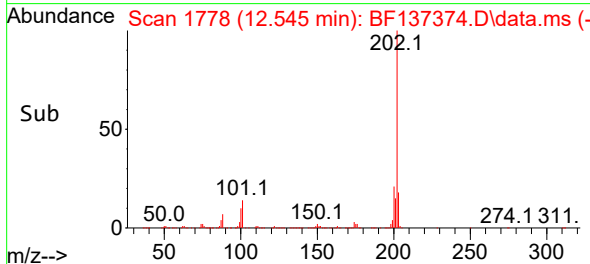
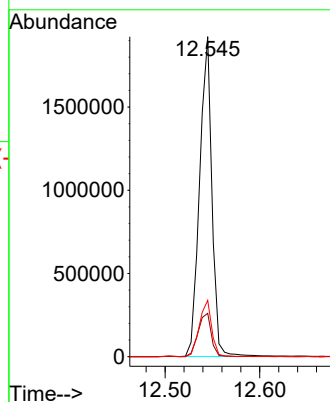
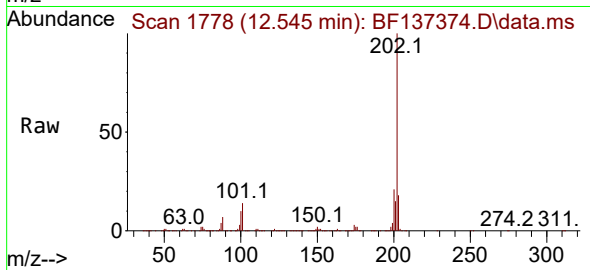




#75  
Fluoranthene  
Concen: 41.010 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

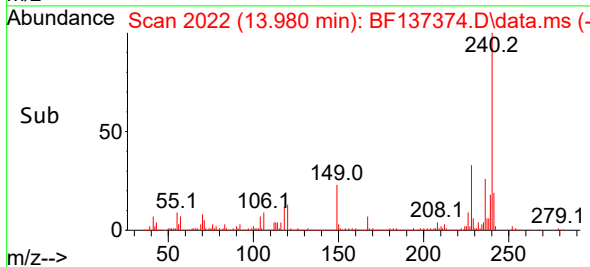
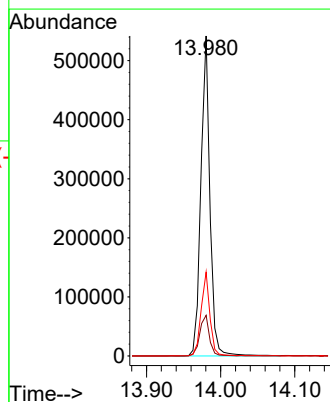
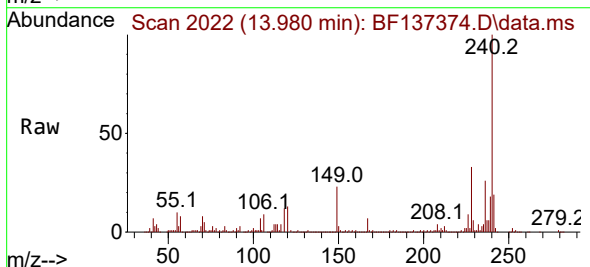
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

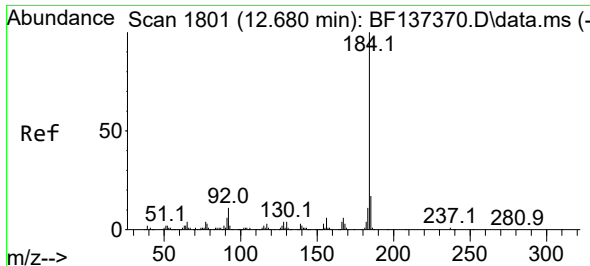
Tgt Ion:202 Resp: 1748000  
Ion Ratio Lower Upper  
202 100  
101 13.5 0.0 33.9  
203 17.6 0.0 37.8



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:240 Resp: 457039  
Ion Ratio Lower Upper  
240 100  
120 12.7 11.3 16.9  
236 26.2 20.5 30.7

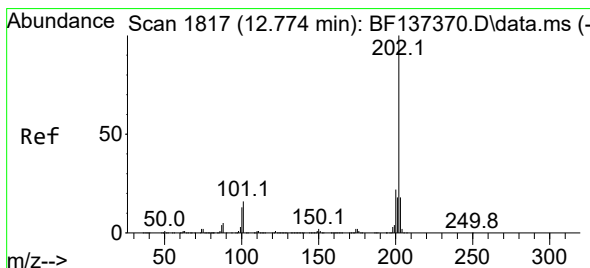
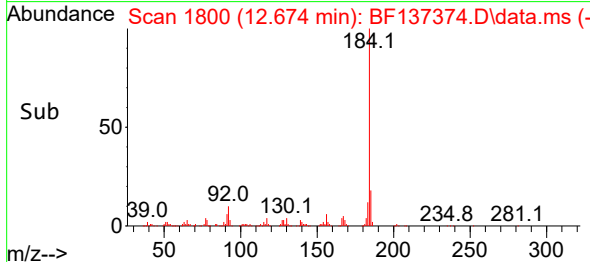
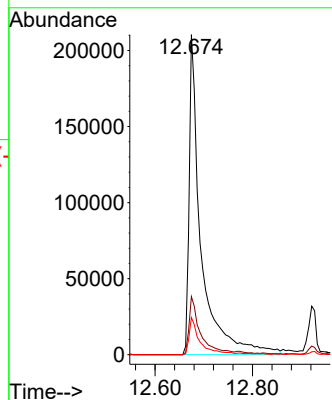
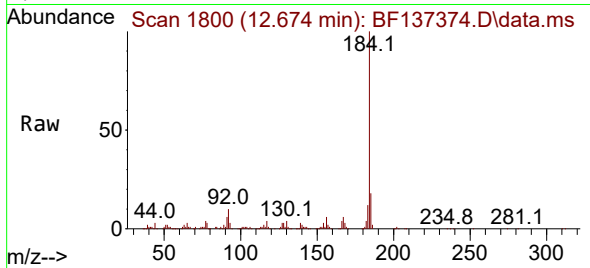




#77  
Benzidine  
Concen: 46.120 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

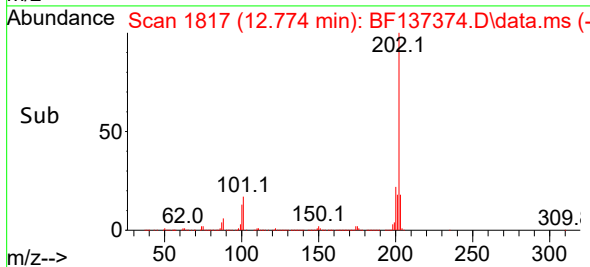
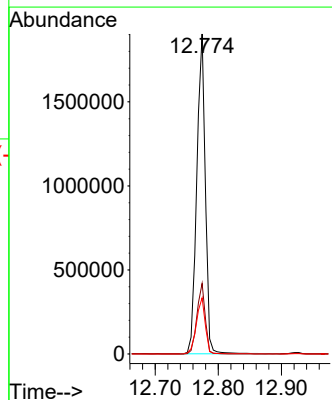
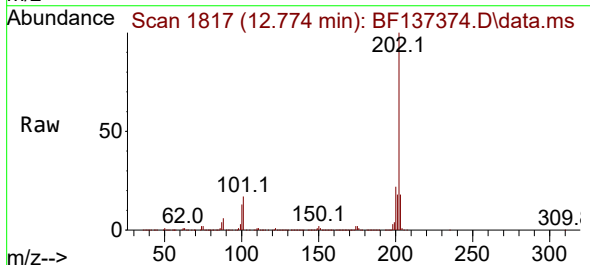
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

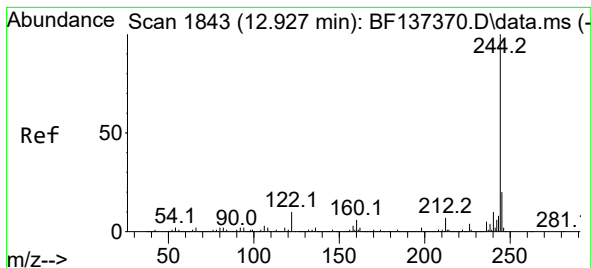
Tgt Ion:184 Resp: 357436  
Ion Ratio Lower Upper  
184 100  
185 18.2 13.7 20.5  
183 11.6 8.8 13.2



#78  
Pyrene  
Concen: 41.279 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:202 Resp: 1783948  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.4 26.2  
203 17.6 14.2 21.2





#79

Terphenyl-d14

Concen: 81.086 ng

RT: 12.927 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

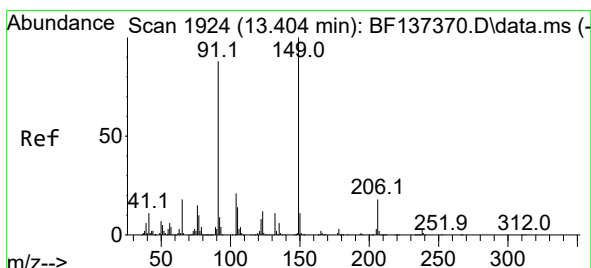
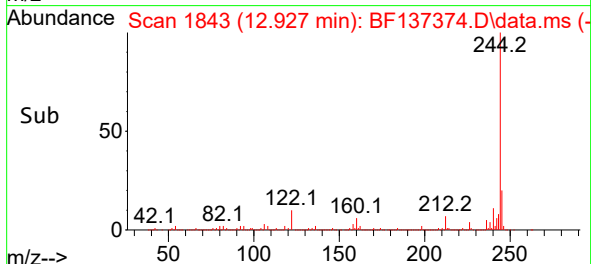
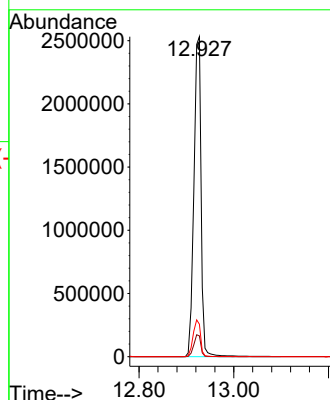
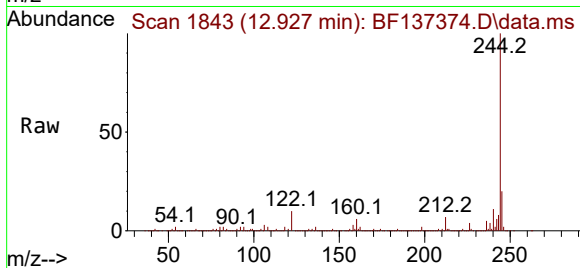
Tgt Ion:244 Resp: 2649597

Ion Ratio Lower Upper

244 100

212 6.5 5.3 7.9

122 10.1 8.2 12.4



#80

Butylbenzylphthalate

Concen: 48.688 ng

RT: 13.404 min Scan# 1924

Delta R.T. -0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

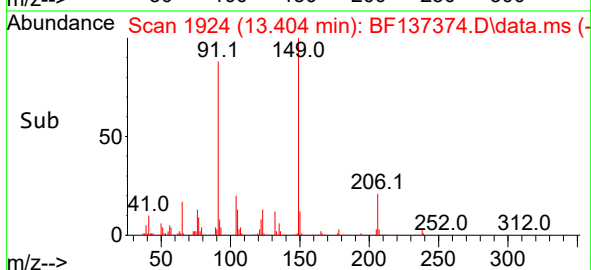
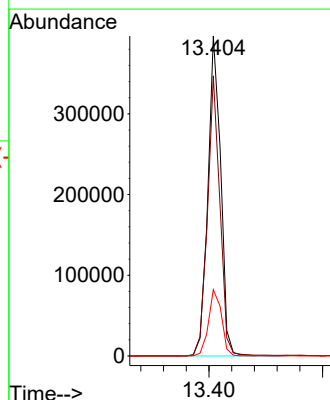
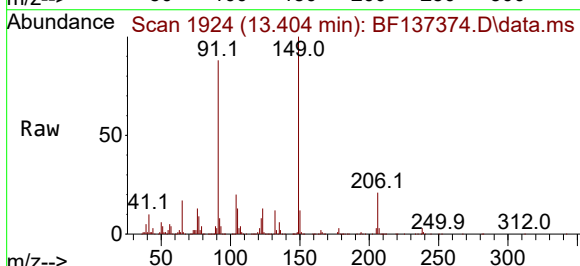
Tgt Ion:149 Resp: 309824

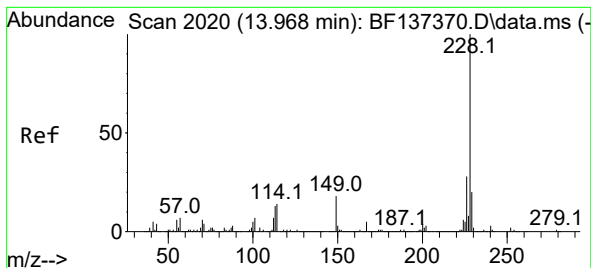
Ion Ratio Lower Upper

149 100

91 87.6 70.5 105.7

206 20.7 14.8 22.2





#81

Benzo(a)anthracene

Concen: 40.813 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

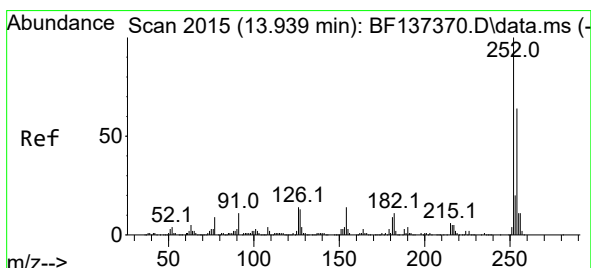
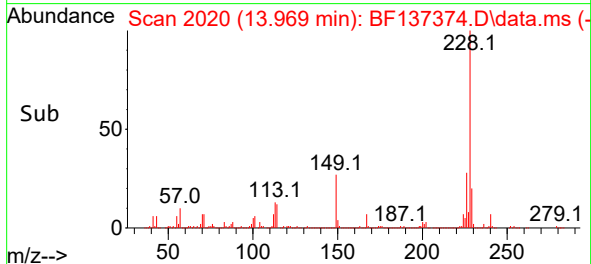
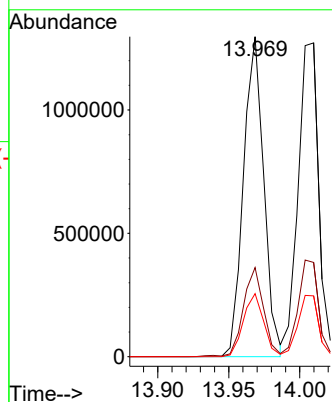
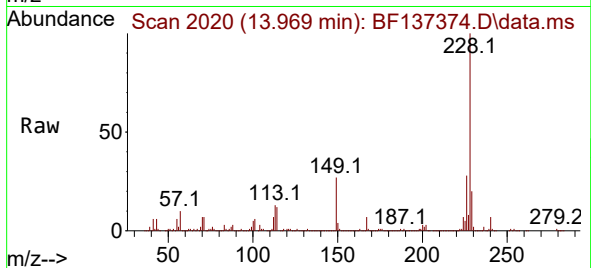
Tgt Ion:228 Resp: 1294377

Ion Ratio Lower Upper

228 100

226 27.8 22.1 33.1

229 19.7 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 42.858 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

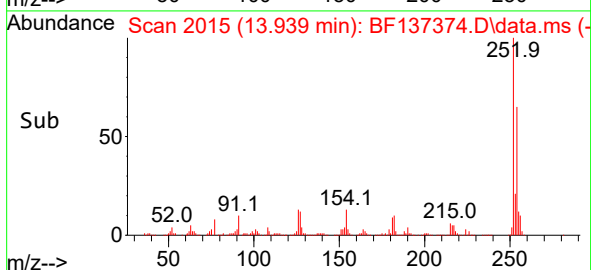
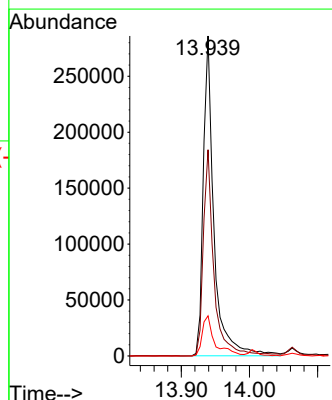
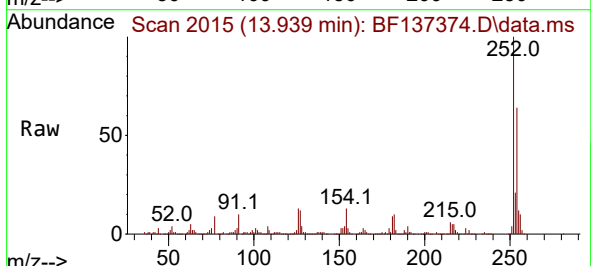
Tgt Ion:252 Resp: 312503

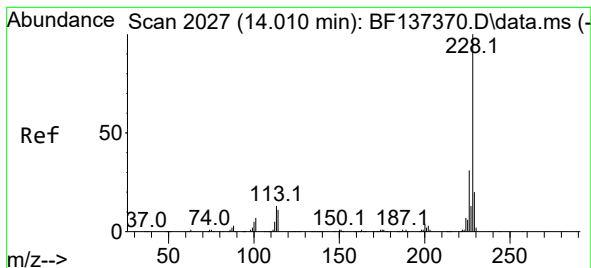
Ion Ratio Lower Upper

252 100

254 64.4 51.2 76.8

126 12.6 11.1 16.7





#83

Chrysene

Concen: 40.007 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

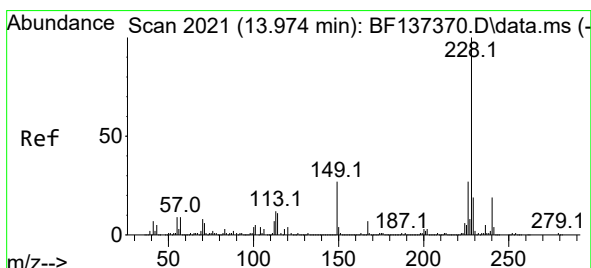
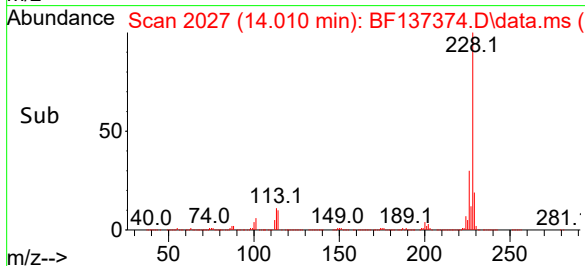
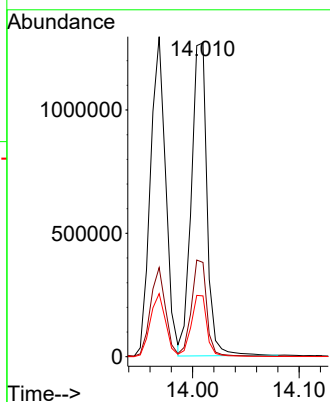
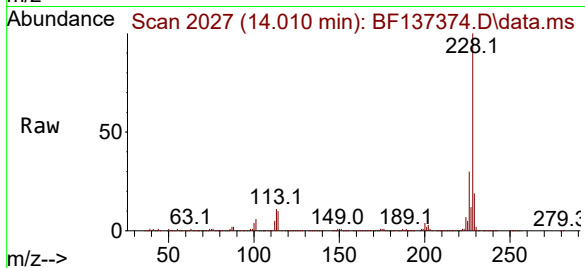
Tgt Ion:228 Resp: 1296126

Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

229 19.4 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.819 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

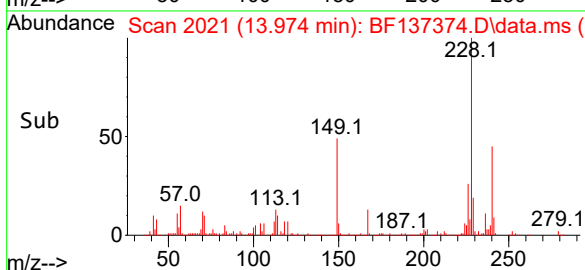
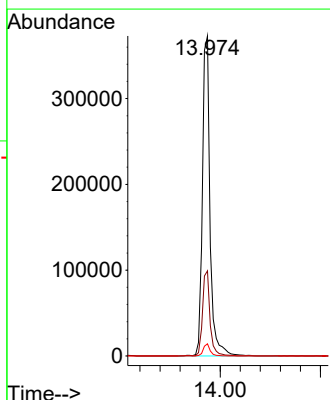
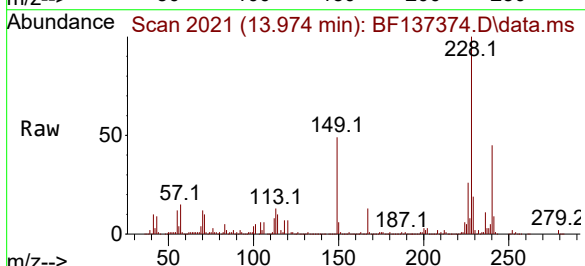
Tgt Ion:149 Resp: 392753

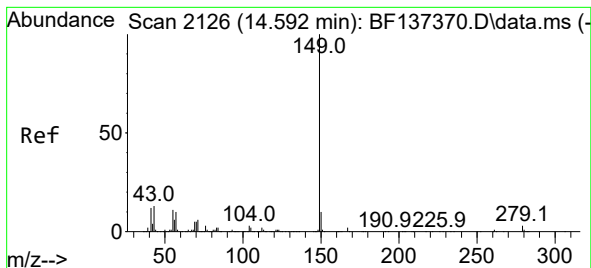
Ion Ratio Lower Upper

149 100

167 26.6 20.6 31.0

279 3.8 2.7 4.1





#85

Di-n-octyl phthalate

Concen: 45.252 ng

RT: 14.592 min Scan# 2126

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

Instrument :

BNA\_F

ClientSampleId :

ICVBF022324

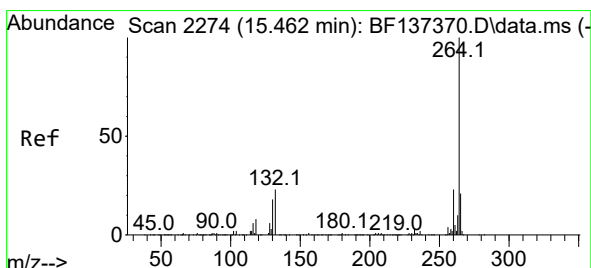
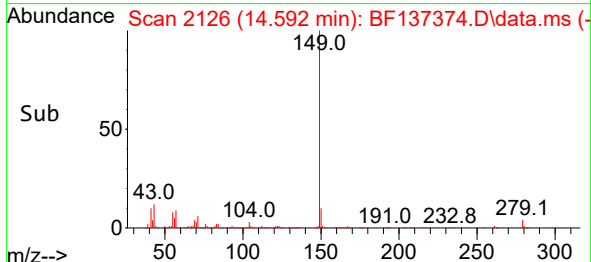
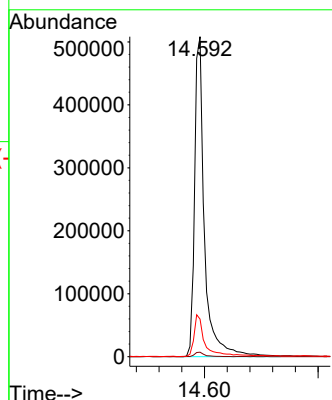
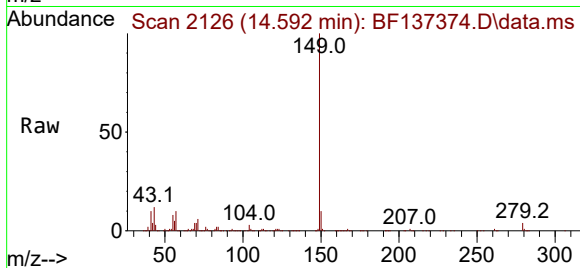
Tgt Ion:149 Resp: 617486

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 14.4 13.7 20.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF137374.D

Acq: 23 Feb 2024 14:28

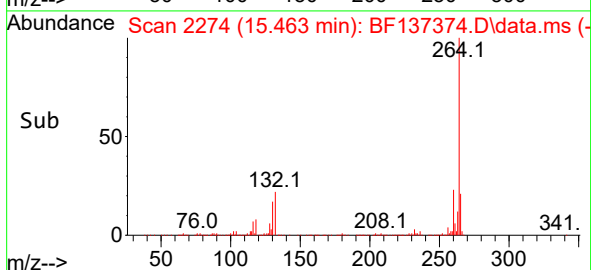
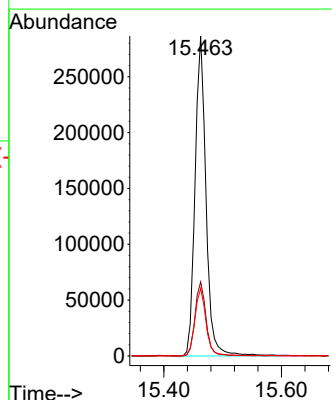
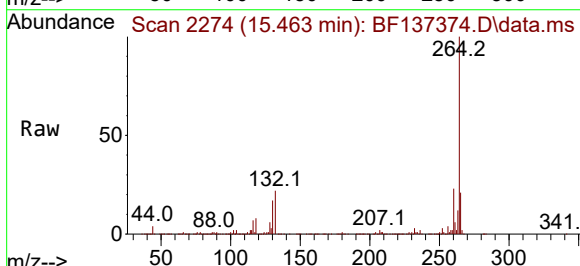
Tgt Ion:264 Resp: 371920

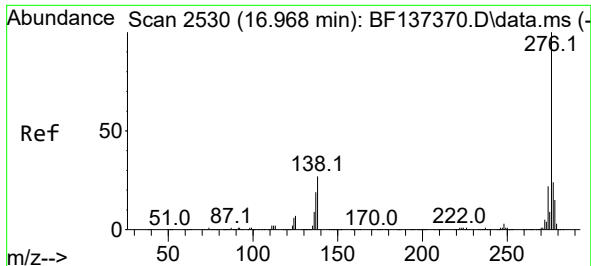
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 21.2 16.9 25.3

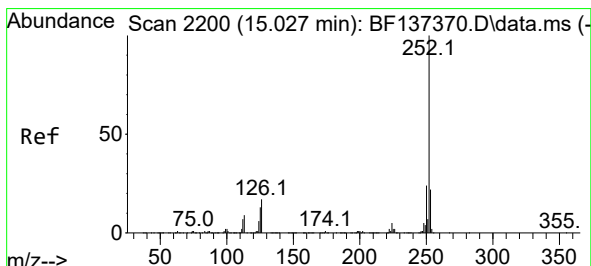
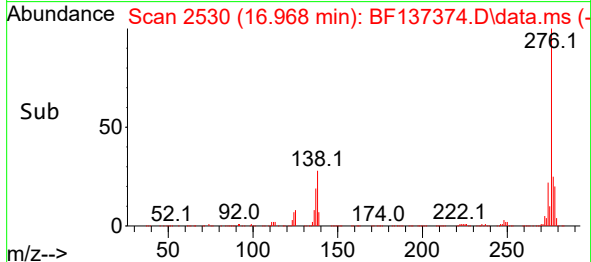
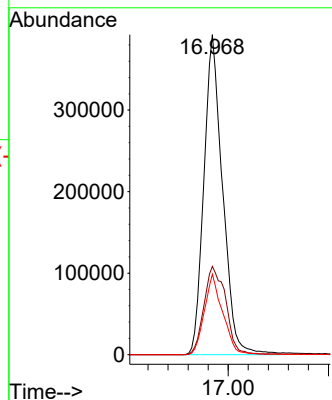
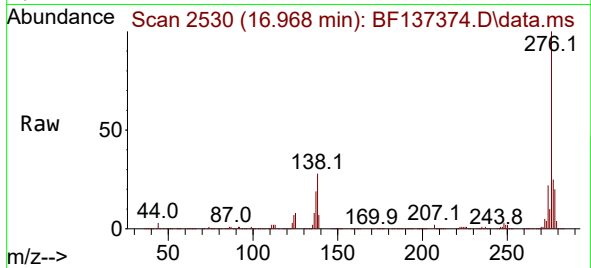




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 39.831 ng  
RT: 16.968 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

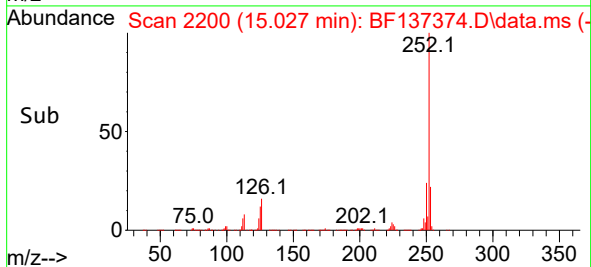
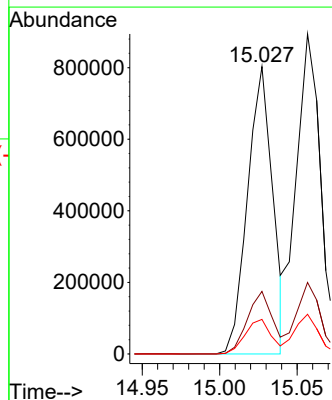
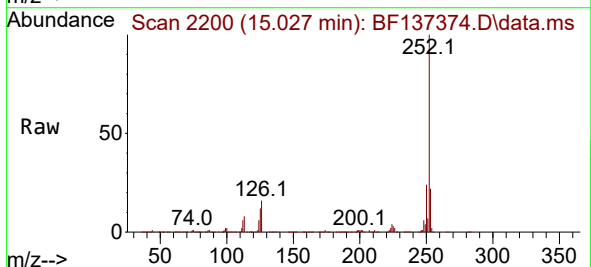
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

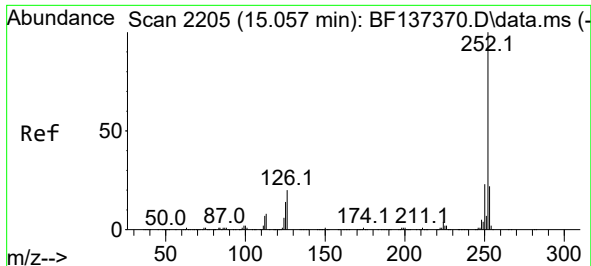
Tgt Ion:276 Resp: 1017230  
Ion Ratio Lower Upper  
276 100  
138 32.1 25.8 38.8  
277 24.6 19.6 29.4



#88  
Benzo(b)fluoranthene  
Concen: 39.704 ng  
RT: 15.027 min Scan# 2200  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:252 Resp: 905863  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.4 26.2  
125 12.0 10.2 15.2

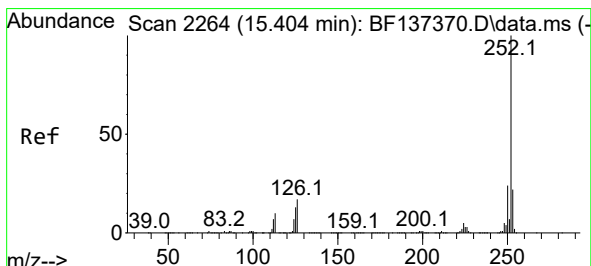
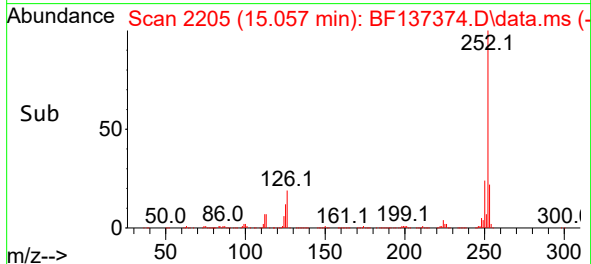
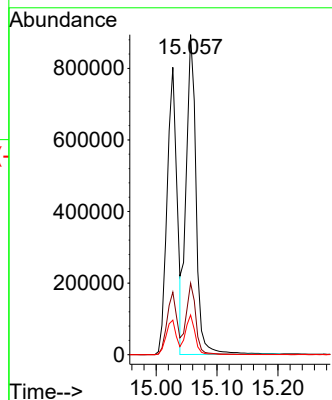
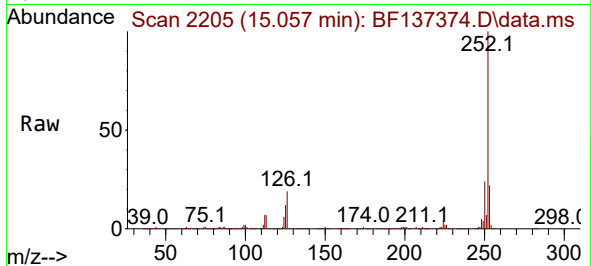




#89  
Benzo(k)fluoranthene  
Concen: 42.298 ng  
RT: 15.057 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

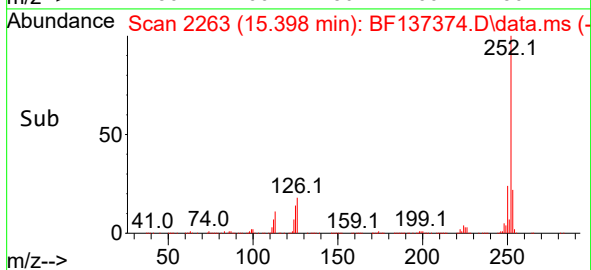
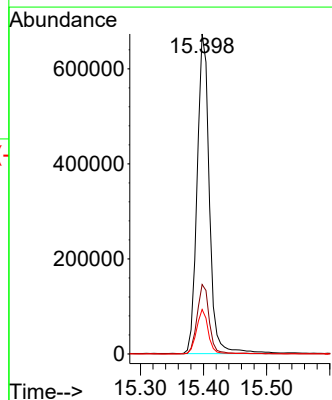
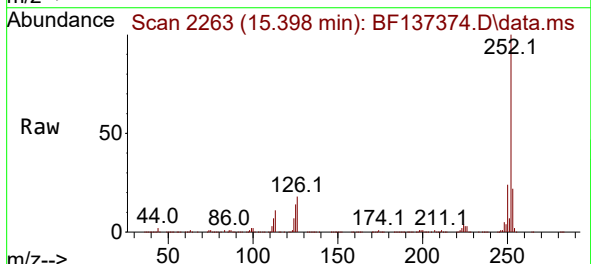
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

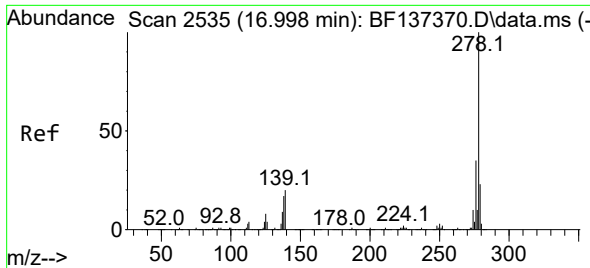
Tgt Ion:252 Resp: 1011466  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 12.4 10.7 16.1



#90  
Benzo(a)pyrene  
Concen: 41.767 ng  
RT: 15.398 min Scan# 2263  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:252 Resp: 903900  
Ion Ratio Lower Upper  
252 100  
253 21.7 17.3 25.9  
125 13.9 10.6 16.0

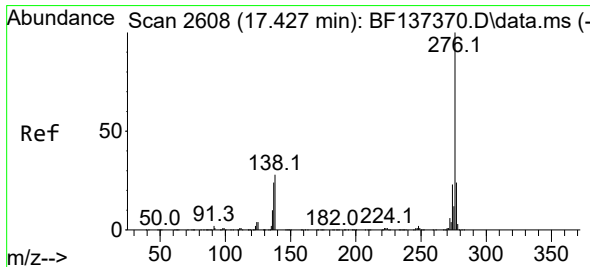
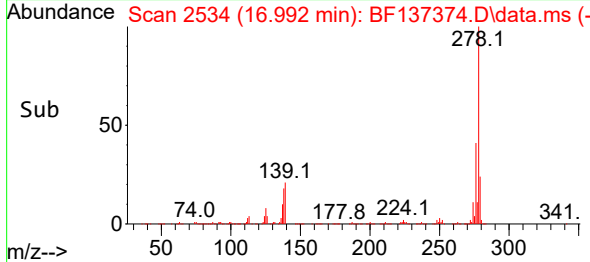
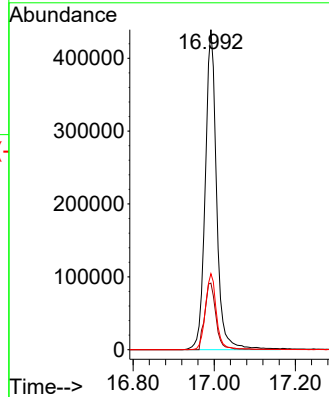
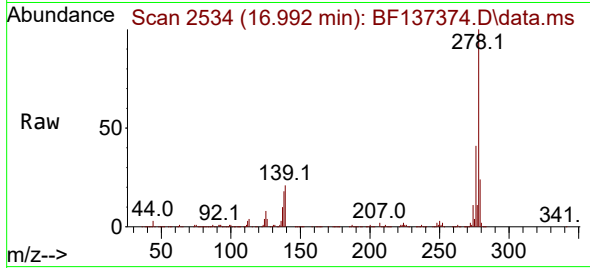




#91  
Dibenzo(a,h)anthracene  
Concen: 40.595 ng  
RT: 16.992 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF022324

Tgt Ion:278 Resp: 851412  
Ion Ratio Lower Upper  
278 100  
139 20.8 16.2 24.4  
279 23.7 18.5 27.7



#92  
Benzo(g,h,i)perylene  
Concen: 40.040 ng  
RT: 17.421 min Scan# 2607  
Delta R.T. -0.006 min  
Lab File: BF137374.D  
Acq: 23 Feb 2024 14:28

Tgt Ion:276 Resp: 865632  
Ion Ratio Lower Upper  
276 100  
277 23.3 19.0 28.4  
138 29.5 22.6 33.8

