

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042424\  
 Data File : BF137726.D  
 Acq On : 24 Apr 2024 19:24  
 Operator : CG\JU  
 Sample : P2245-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 YARD-3MSD

Quant Time: Apr 25 04:19:24 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 03:57:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.063  | 152  | 248810   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.345  | 136  | 978364   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.110 | 164  | 532186   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.604 | 188  | 899529   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.257 | 240  | 488926   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.827 | 264  | 545928   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.686  | 112  | 1390603  | 84.899 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.675  | 99   | 1817495  | 87.379 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.622  | 82   | 1072285  | 58.179 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.904 | 330  | 497585   | 92.657 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.422  | 172  | 2046965  | 57.472 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.186 | 244  | 1975290  | 65.027 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.051  | 88   | 316923   | 43.210 | ng    | 98       |
| 3) Pyridine                   | 3.798  | 79   | 780245   | 39.935 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.763  | 42   | 419985   | 46.059 | ng    | 97       |
| 6) Aniline                    | 6.722  | 93   | 728370   | 28.135 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.845  | 128  | 832989   | 48.718 | ng    | 98       |
| 9) Benzaldehyde               | 6.610  | 77   | 29675    | 2.542  | ng    | 100      |
| 10) Phenol                    | 6.686  | 94   | 1012758  | 48.738 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.792  | 93   | 761446   | 44.926 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.004  | 146  | 858283   | 47.867 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.081  | 146  | 862204   | 47.762 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.233  | 146  | 833564   | 49.606 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.198  | 79   | 702159   | 45.126 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.328  | 45   | 1160477  | 44.522 | ng    | 99       |
| 17) 2-Methylphenol            | 7.298  | 107  | 655928   | 43.179 | ng    | 98       |
| 18) Hexachloroethane          | 7.580  | 117  | 307321   | 48.101 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.469  | 70   | 579207   | 43.063 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.451  | 107  | 862793   | 43.975 | ng    | 95       |
| 22) Acetophenone              | 7.469  | 105  | 1114055  | 46.556 | ng    | 99       |
| 24) Nitrobenzene              | 7.645  | 77   | 857591   | 46.056 | ng    | 99       |
| 25) Isophorone                | 7.880  | 82   | 1560946  | 45.602 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.957  | 139  | 432761   | 52.960 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.980  | 122  | 633770   | 38.443 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 8.086  | 93   | 934663   | 44.704 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.192  | 162  | 689226   | 47.703 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.286  | 180  | 716143   | 48.629 | ng    | 98       |
| 31) Naphthalene               | 8.369  | 128  | 2335073  | 46.771 | ng    | 100      |
| 32) Benzoic acid              | 8.092  | 122  | 505322   | 48.409 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.410  | 127  | 354886   | 16.794 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.480  | 225  | 415472   | 47.059 | ng    | 99       |
| 35) Caprolactam               | 8.780  | 113  | 135057   | 28.912 | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.880  | 107  | 727095   | 47.447 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 9.063  | 142  | 1536023  | 44.825 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.163  | 142  | 1428890  | 44.600 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.227  | 216  | 706274   | 48.408 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.210  | 237  | 737467   | 90.210 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.333  | 196  | 510738   | 49.900 | ng    | 99       |

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 Sample : P2245-01MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 YARD-3MSD

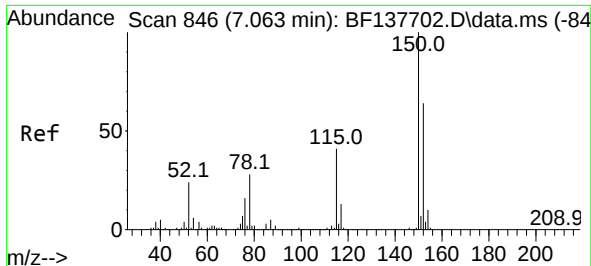
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 24 03:57:12 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.374  | 196  | 532901   | 45.430 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.527  | 154  | 1842082  | 47.580 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.551  | 162  | 1453746  | 48.711 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.645  | 65   | 454909   | 50.022 | ng    | 96       |
| 49) Acenaphthylene            | 9.974  | 152  | 2306363  | 49.556 | ng    | 100      |
| 50) Dimethylphthalate         | 9.822  | 163  | 1717601  | 46.323 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.886  | 165  | 384976   | 49.278 | ng    | 91       |
| 52) Acenaphthene              | 10.145 | 154  | 1519967  | 50.437 | ng    | 98       |
| 53) 3-Nitroaniline            | 10.057 | 138  | 265732   | 30.268 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 10.163 | 184  | 357422   | 85.683 | ng    | # 40     |
| 55) Dibenzofuran              | 10.316 | 168  | 2127250  | 48.155 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.204 | 139  | 664133   | 97.274 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.292 | 165  | 532455   | 54.062 | ng    | 96       |
| 58) Fluorene                  | 10.663 | 166  | 1660224  | 48.099 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.427 | 232  | 443904   | 48.872 | ng    | 98       |
| 60) Diethylphthalate          | 10.521 | 149  | 1618620  | 45.386 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.651 | 204  | 778100   | 45.622 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.674 | 138  | 396513   | 47.417 | ng    | 99       |
| 63) Azobenzene                | 10.810 | 77   | 1651463  | 45.190 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.698 | 198  | 268017   | 51.965 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.769 | 169  | 1432479  | 47.019 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.145 | 248  | 491013   | 47.108 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.210 | 284  | 507796   | 50.007 | ng    | 96       |
| 69) Atrazine                  | 11.292 | 200  | 463017   | 54.978 | ng    | 99       |
| 70) Pentachlorophenol         | 11.398 | 266  | 655441   | 85.807 | ng    | 100      |
| 71) Phenanthrene              | 11.633 | 178  | 2687243  | 56.435 | ng    | 100      |
| 72) Anthracene                | 11.686 | 178  | 2475992  | 50.780 | ng    | 99       |
| 73) Carbazole                 | 11.833 | 167  | 2174520  | 49.210 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.157 | 149  | 2458203  | 45.635 | ng    | 99       |
| 75) Fluoranthene              | 12.827 | 202  | 2569631  | 51.341 | ng    | 99       |
| 77) Benzidine                 | 12.939 | 184  | 760388   | 66.586 | ng    | 99       |
| 78) Pyrene                    | 13.057 | 202  | 2483761  | 61.892 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.662 | 149  | 816407   | 57.367 | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.245 | 228  | 1749015  | 51.288 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.204 | 252  | 341670   | 32.382 | ng    | # 97     |
| 83) Chrysene                  | 14.286 | 228  | 1620516  | 50.859 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.215 | 149  | 1123225  | 52.262 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.851 | 149  | 1668908  | 51.695 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.474 | 276  | 1838078  | 60.722 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.356 | 252  | 1618902  | 46.341 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.392 | 252  | 1595761  | 46.469 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.762 | 252  | 1551610  | 49.511 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.497 | 278  | 1477255  | 58.808 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.980 | 276  | 1358945  | 55.634 | ng    | 98       |

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

Quant Time: Apr 25 04:19:24 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042324.M  
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QLast Update : Wed Apr 24 03:57:12 2024  
Response via : Initial Calibration

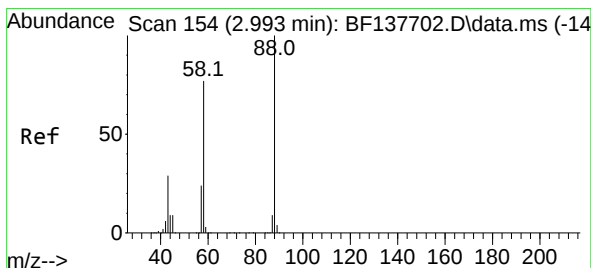
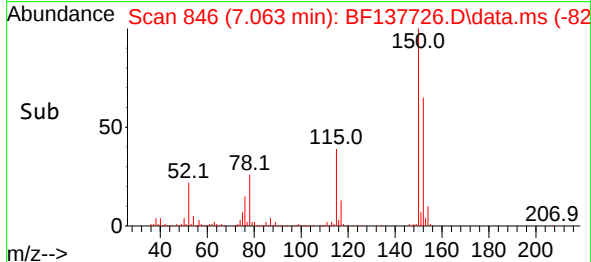
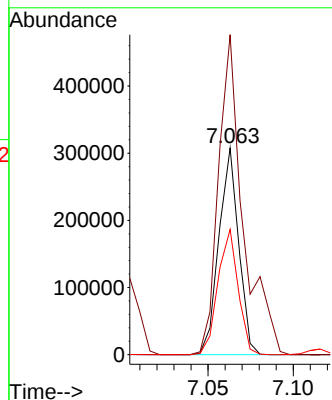
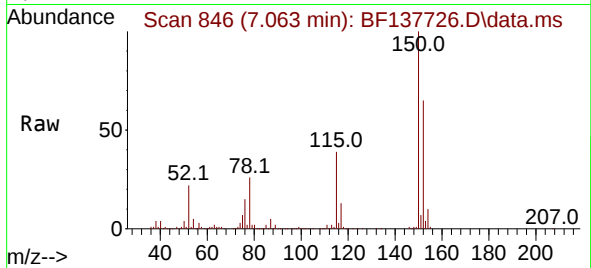




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.063 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: BF137726.D  
 Acq: 24 Apr 2024 19:24

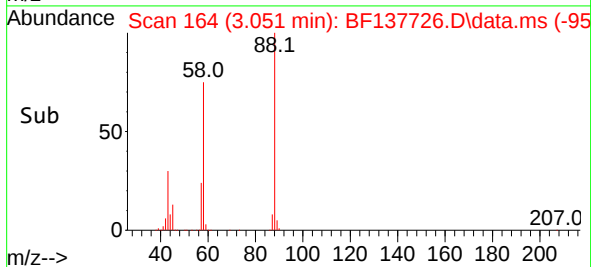
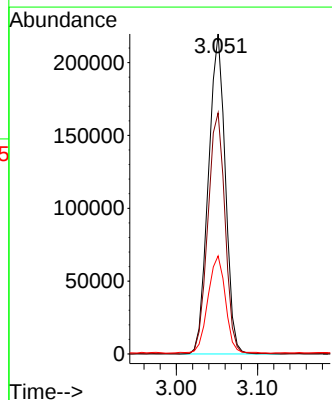
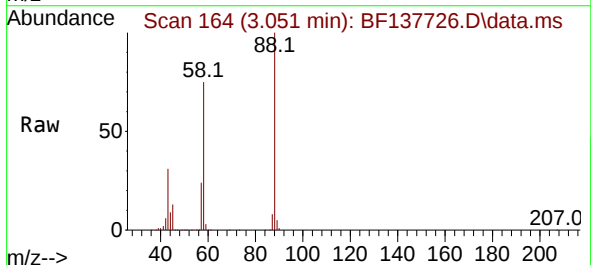
Instrument :  
 BNA\_F  
 ClientSampleId :  
 YARD-3MSD

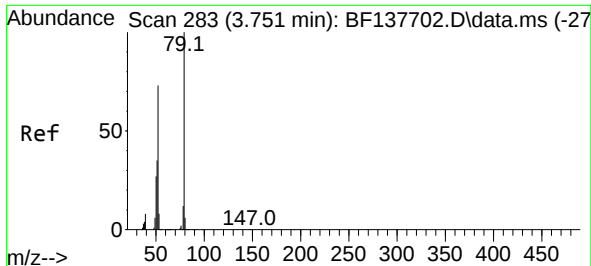
Tgt Ion:152 Resp: 248810  
 Ion Ratio Lower Upper  
 152 100  
 150 154.8 124.2 186.4  
 115 60.6 50.8 76.2



#2  
 1,4-Dioxane  
 Concen: 43.210 ng  
 RT: 3.051 min Scan# 164  
 Delta R.T. 0.059 min  
 Lab File: BF137726.D  
 Acq: 24 Apr 2024 19:24

Tgt Ion: 88 Resp: 316923  
 Ion Ratio Lower Upper  
 88 100  
 58 76.6 62.4 93.6  
 43 31.7 23.7 35.5





#3

Pyridine

Concen: 39.935 ng

RT: 3.798 min Scan# 24

Delta R.T. 0.047 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

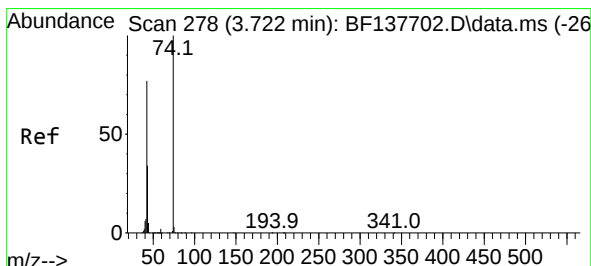
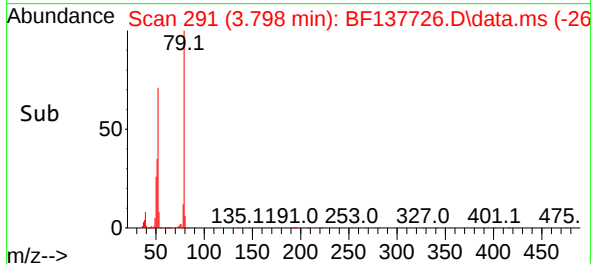
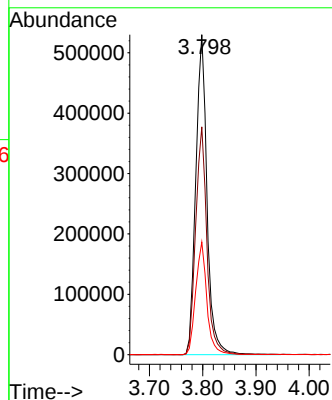
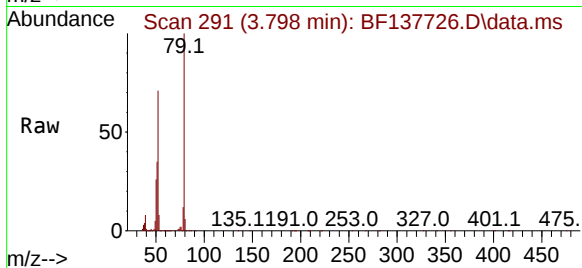
Tgt Ion: 79 Resp: 780245

Ion Ratio Lower Upper

79 100

52 71.2 58.0 87.0

51 35.2 27.9 41.9



#4

n-Nitrosodimethylamine

Concen: 46.059 ng

RT: 3.763 min Scan# 285

Delta R.T. 0.041 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

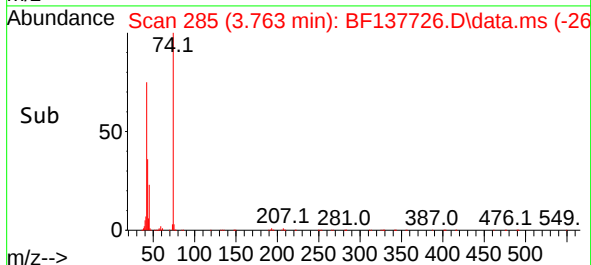
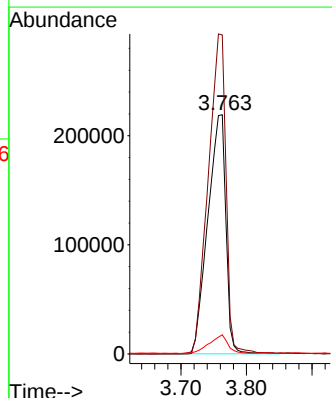
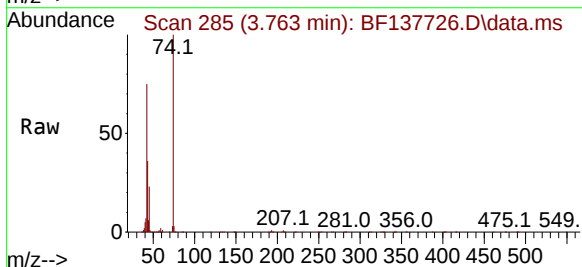
Tgt Ion: 42 Resp: 419985

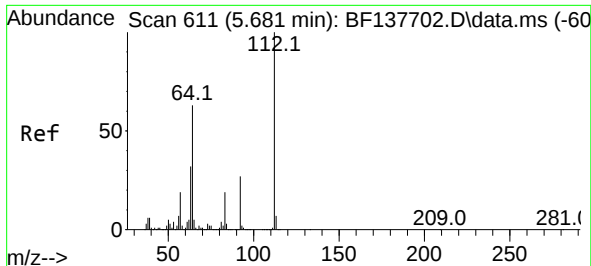
Ion Ratio Lower Upper

42 100

74 133.4 103.4 155.2

44 8.1 5.5 8.3

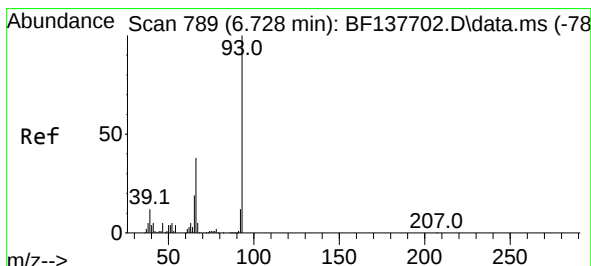
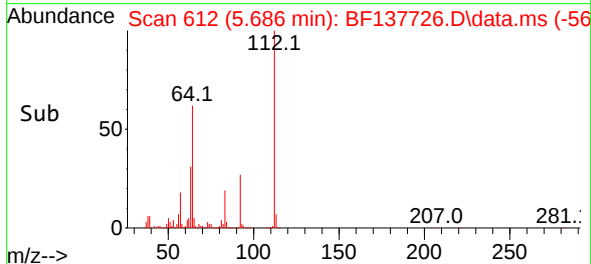
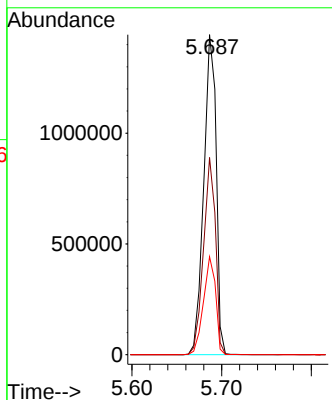
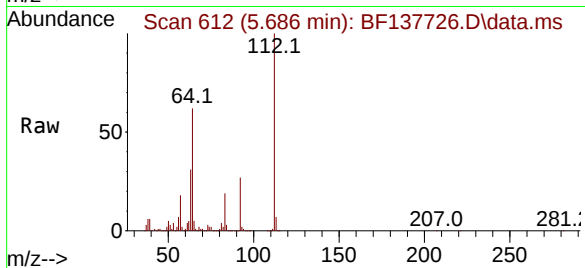




#5  
2-Fluorophenol  
Concen: 84.899 ng  
RT: 5.686 min Scan# 611  
Delta R.T. 0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

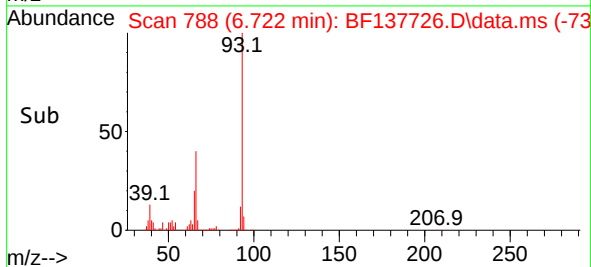
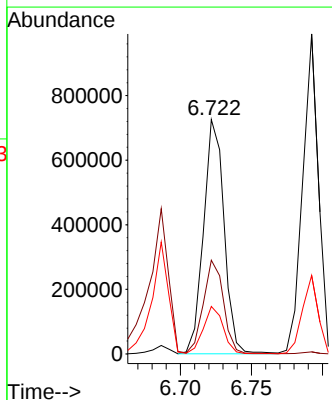
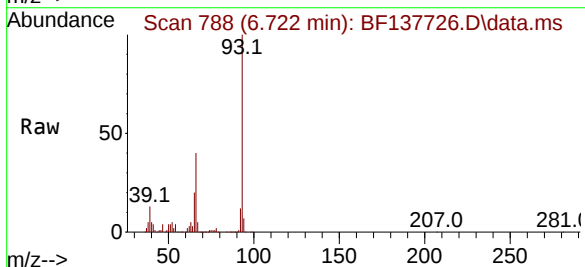
Instrument :  
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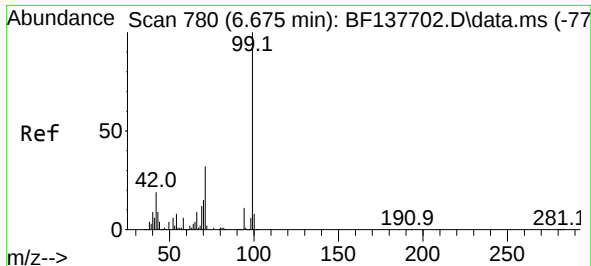
Tgt Ion:112 Resp: 1390603  
Ion Ratio Lower Upper  
112 100  
64 61.6 50.1 75.1  
63 30.6 25.2 37.8



#6  
Aniline  
Concen: 28.135 ng  
RT: 6.722 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion: 93 Resp: 728370  
Ion Ratio Lower Upper  
93 100  
66 40.0 32.1 48.1  
65 20.3 16.4 24.6





#7

Phenol-d6

Concen: 87.379 ng

RT: 6.675 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

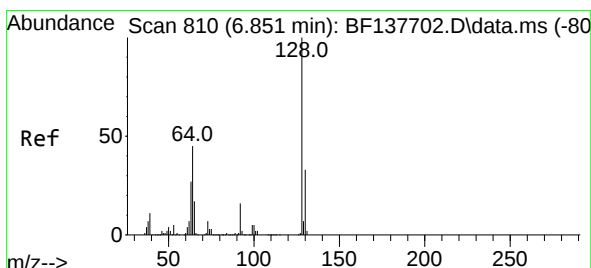
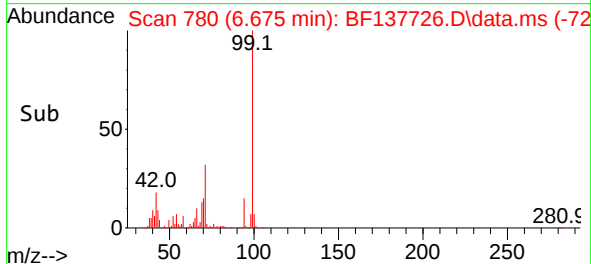
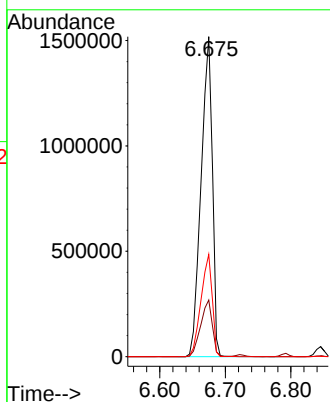
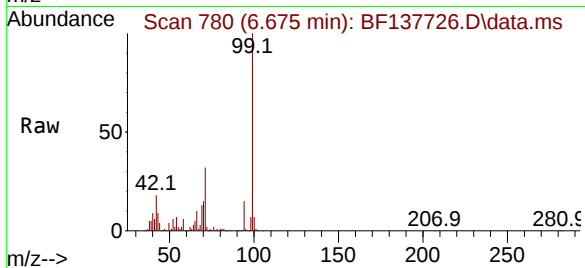
BNA\_F

ClientSampleId :

YARD-3MSD

Tgt Ion: 99 Resp: 1817495

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.7  | 15.0  | 22.4  |
| 71  | 32.0  | 25.7  | 38.5  |



#8

2-Chlorophenol

Concen: 48.718 ng

RT: 6.845 min Scan# 809

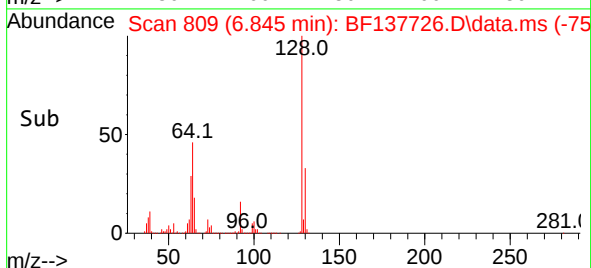
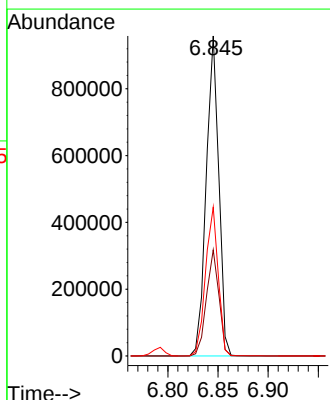
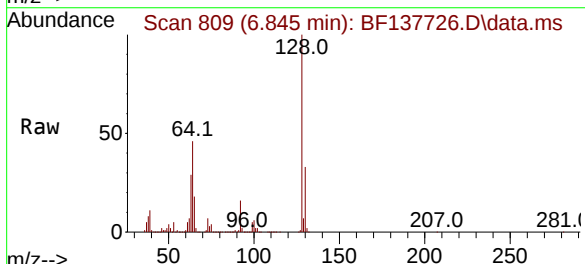
Delta R.T. -0.006 min

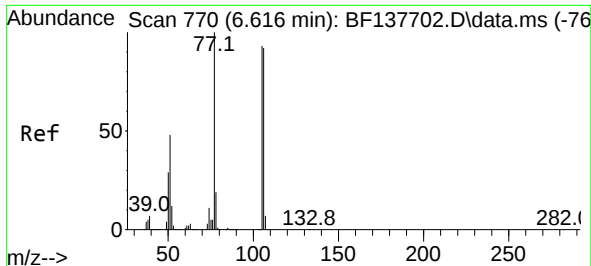
Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion:128 Resp: 832989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.1  | 13.2  | 53.2  |
| 64  | 46.5  | 24.7  | 64.7  |

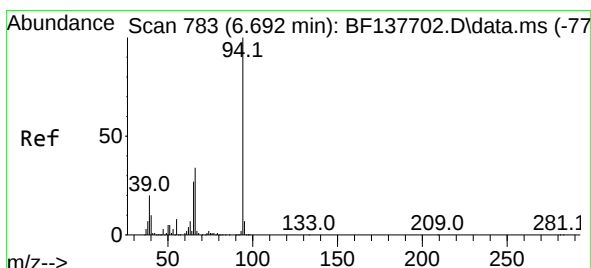
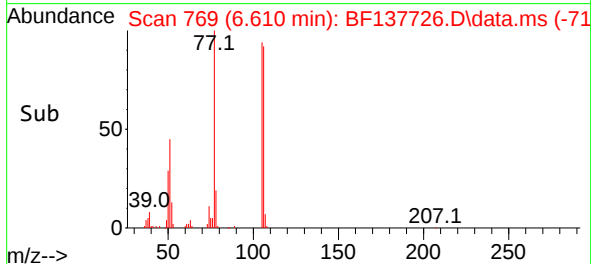
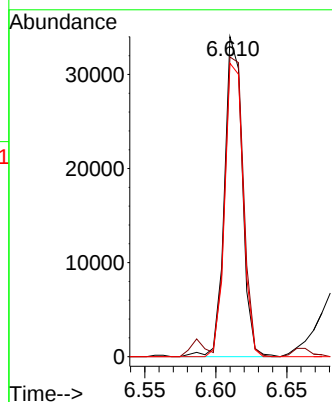
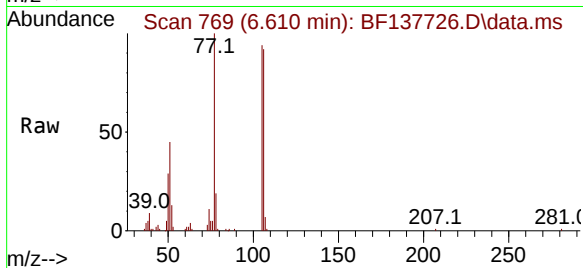




#9  
Benzaldehyde  
Concen: 2.542 ng  
RT: 6.610 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

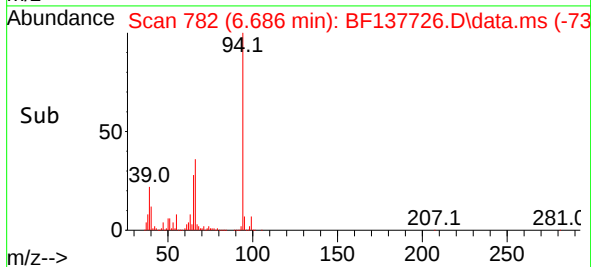
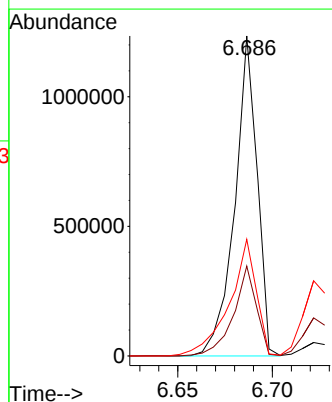
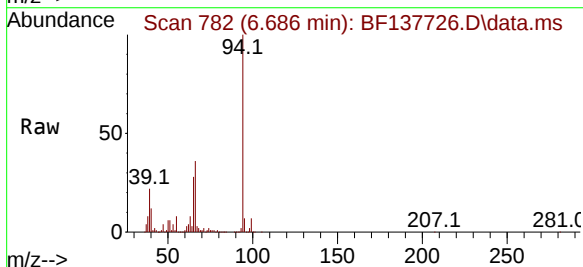
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

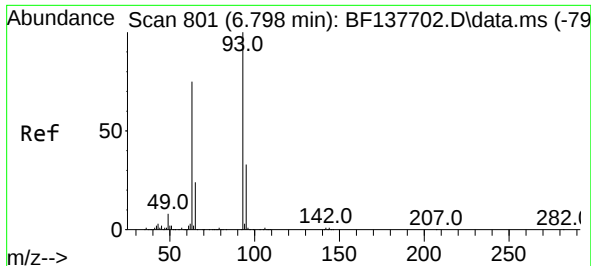
Tgt Ion: 77 Resp: 29675  
Ion Ratio Lower Upper  
77 100  
105 93.7 73.3 113.3  
106 91.7 72.1 112.1



#10  
Phenol  
Concen: 48.738 ng  
RT: 6.686 min Scan# 782  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion: 94 Resp: 1012758  
Ion Ratio Lower Upper  
94 100  
65 28.1 6.5 46.5  
66 36.5 13.9 53.9

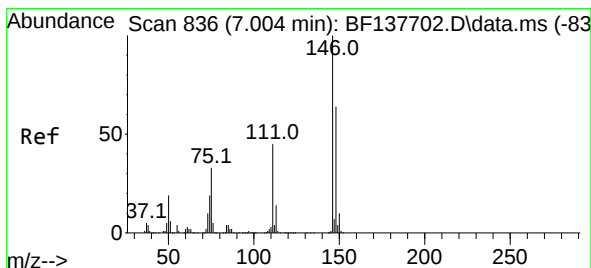
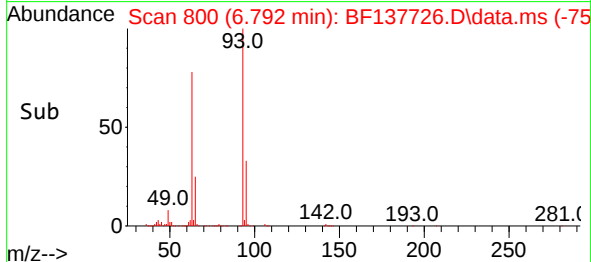
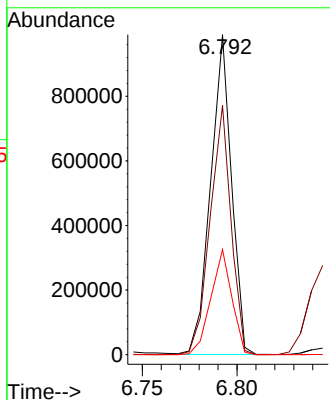
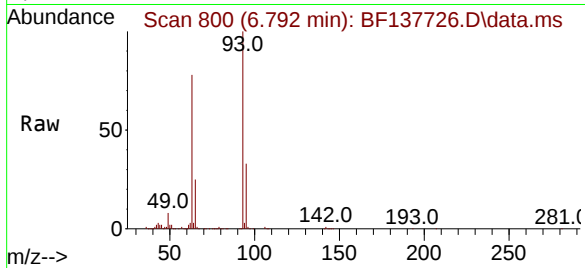




#11  
bis(2-Chloroethyl)ether  
Concen: 44.926 ng  
RT: 6.792 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

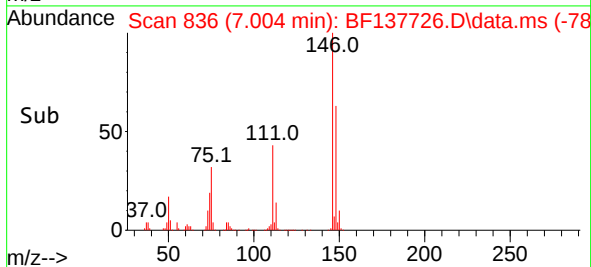
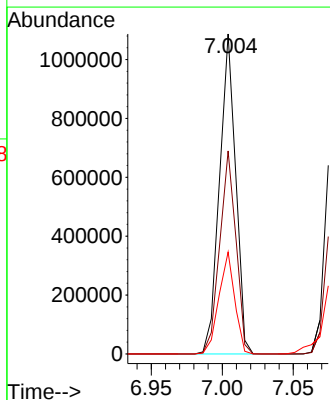
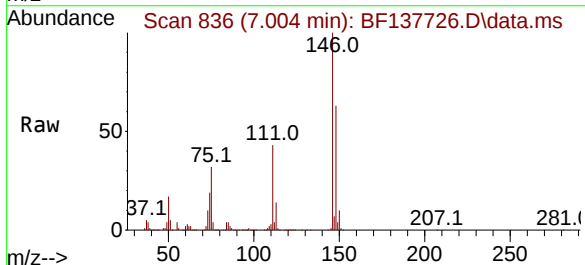
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

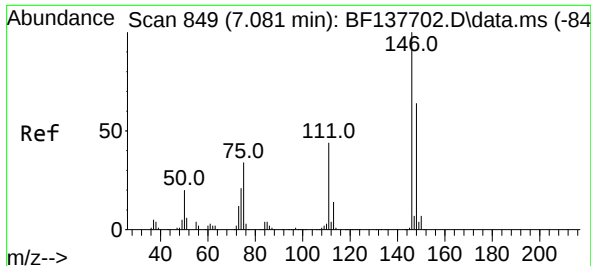
Tgt Ion: 93 Resp: 761446  
Ion Ratio Lower Upper  
93 100  
63 77.9 54.8 94.8  
95 32.8 13.2 53.2



#12  
1,3-Dichlorobenzene  
Concen: 47.867 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:146 Resp: 858283  
Ion Ratio Lower Upper  
146 100  
148 63.5 50.8 76.2  
75 31.8 26.4 39.6

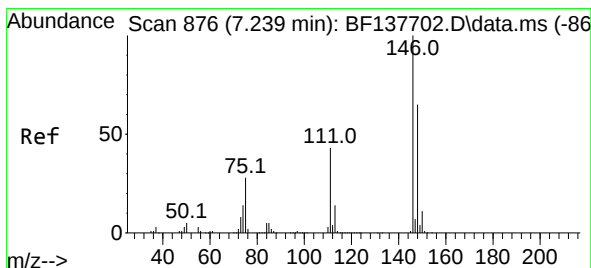
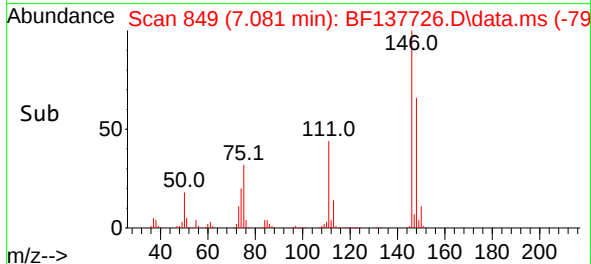
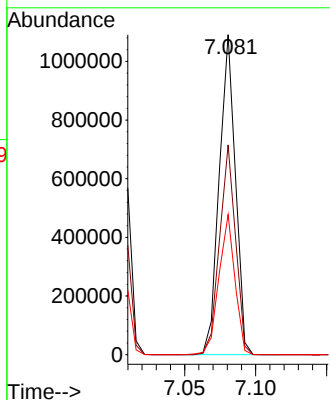
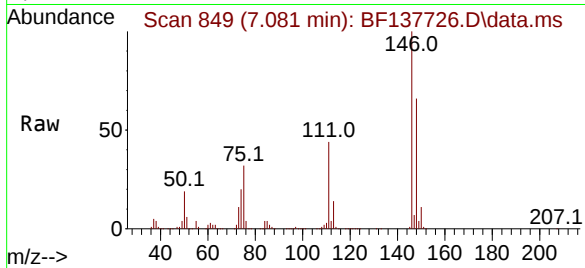




#13  
1,4-Dichlorobenzene  
Concen: 47.762 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

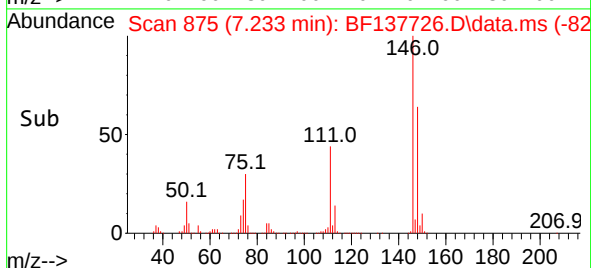
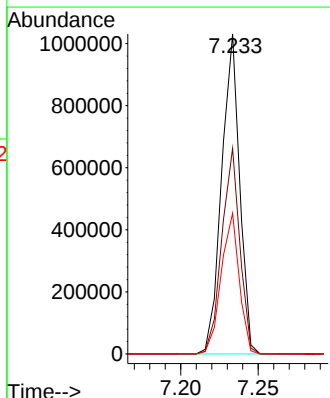
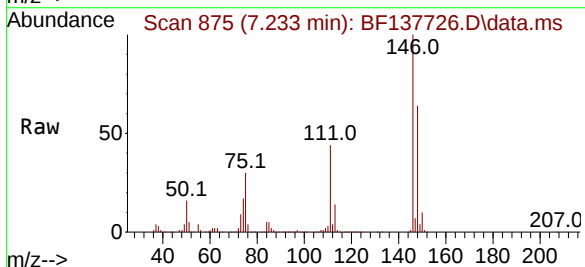
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

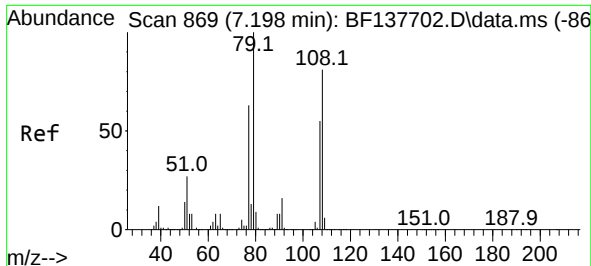
Tgt Ion:146 Resp: 862204  
Ion Ratio Lower Upper  
146 100  
148 65.6 51.0 76.6  
111 43.8 35.0 52.6



#14  
1,2-Dichlorobenzene  
Concen: 49.606 ng  
RT: 7.233 min Scan# 875  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:146 Resp: 833564  
Ion Ratio Lower Upper  
146 100  
148 64.3 52.1 78.1  
111 44.0 34.5 51.7

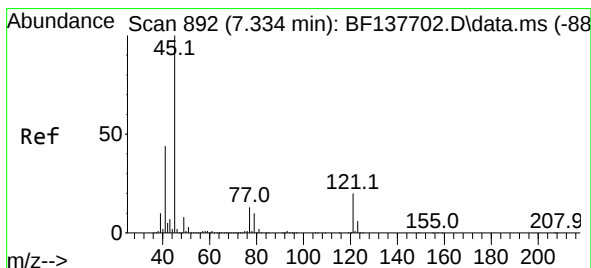
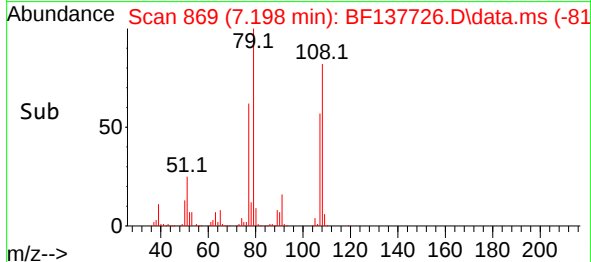
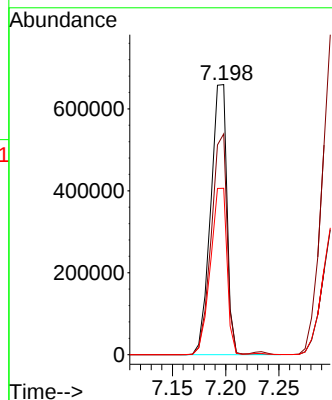
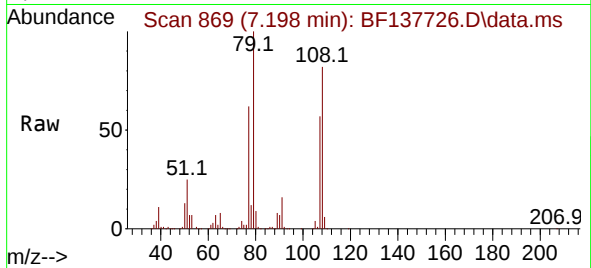




#15  
Benzyl Alcohol  
Concen: 45.126 ng  
RT: 7.198 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

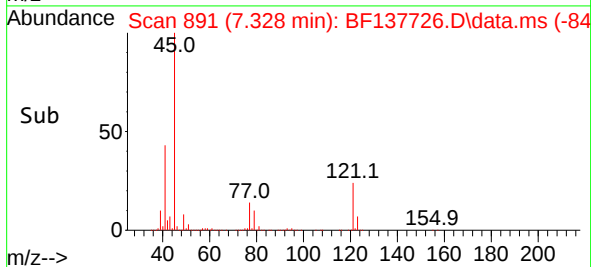
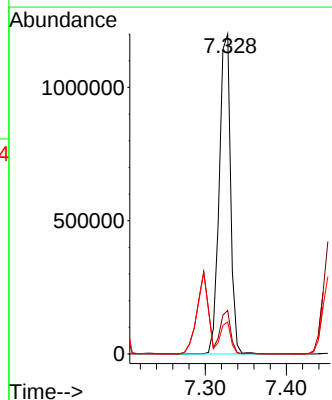
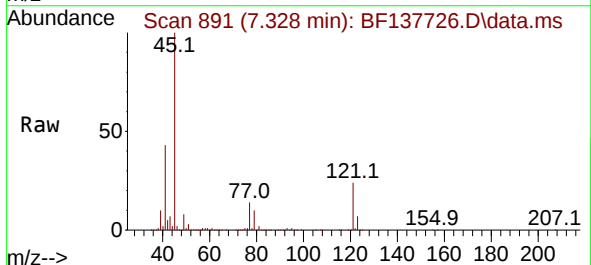
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

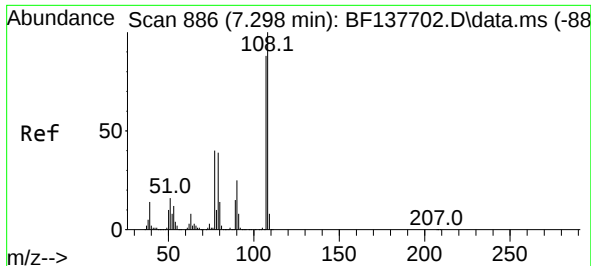
Tgt Ion: 79 Resp: 702159  
Ion Ratio Lower Upper  
79 100  
108 81.7 64.8 97.2  
77 61.6 50.3 75.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.522 ng  
RT: 7.328 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion: 45 Resp: 1160477  
Ion Ratio Lower Upper  
45 100  
77 13.6 0.0 32.8  
79 10.0 0.0 30.1



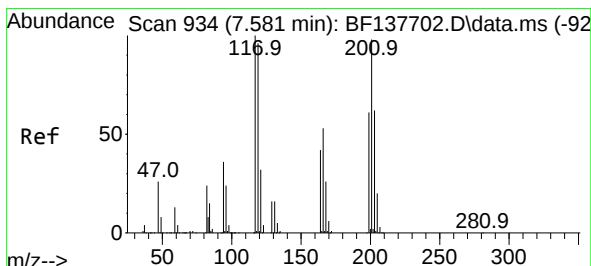
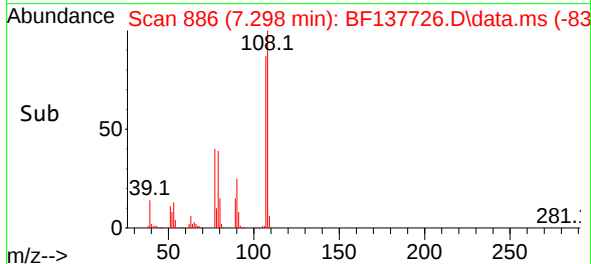
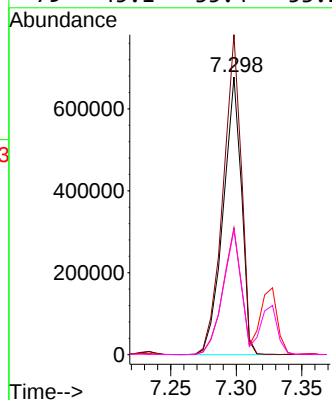
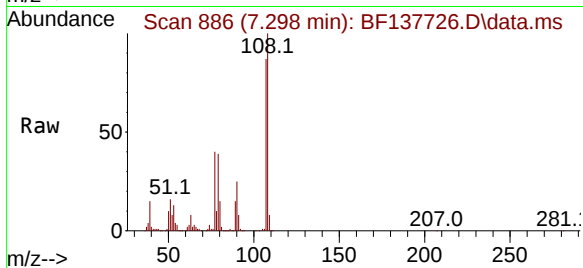


#17  
2-Methylphenol  
Concen: 43.179 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

Tgt Ion:107 Resp: 655928

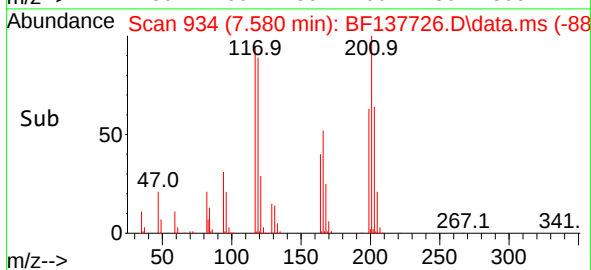
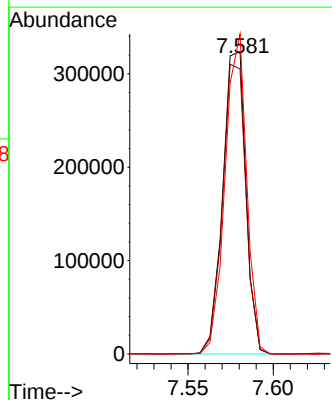
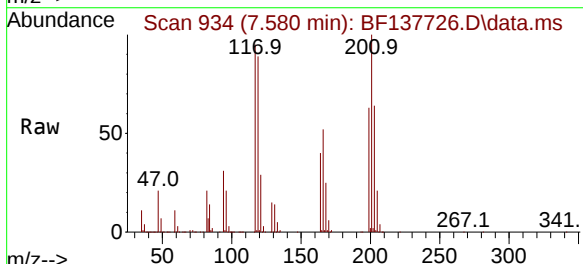
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 115.3 | 90.6  | 135.8 |
| 77  | 45.7  | 35.8  | 53.8  |
| 79  | 45.1  | 35.4  | 53.2  |

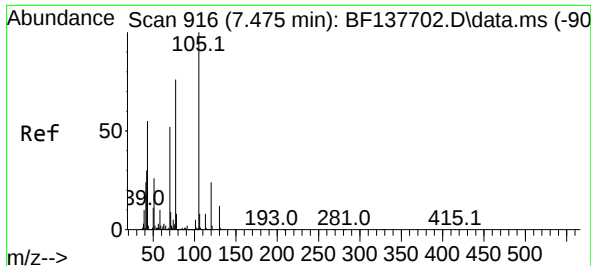


#18  
Hexachloroethane  
Concen: 48.101 ng  
RT: 7.580 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:117 Resp: 307321

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 94.2  | 77.1  | 115.7 |
| 201 | 105.8 | 78.1  | 117.1 |





#19

n-Nitroso-di-n-propylamine

Concen: 43.063 ng

RT: 7.469 min Scan# 915

Delta R.T. -0.006 min

Lab File: BF137726.D

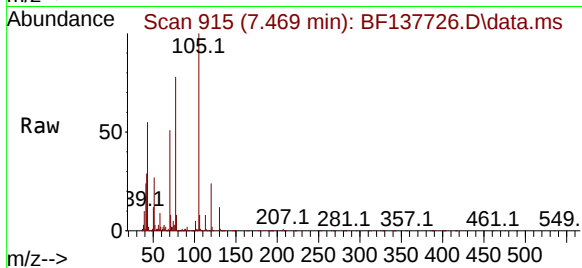
Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD



Tgt Ion: 70 Resp: 579207

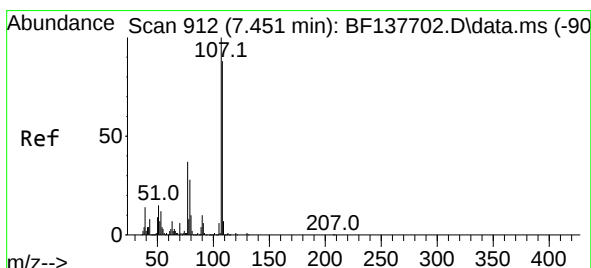
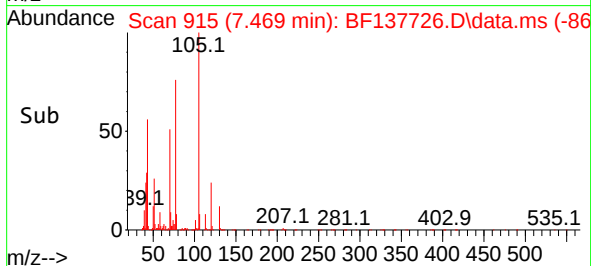
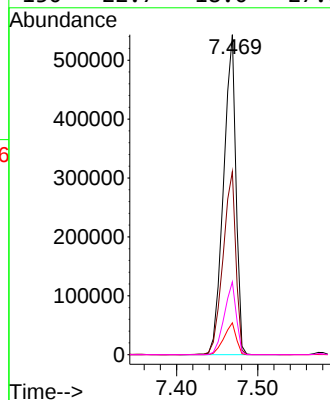
Ion Ratio Lower Upper

70 100

42 57.2 45.9 68.9

101 10.0 8.0 12.0

130 22.7 18.0 27.0



#20

3+4-Methylphenols

Concen: 43.975 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion:107 Resp: 862793

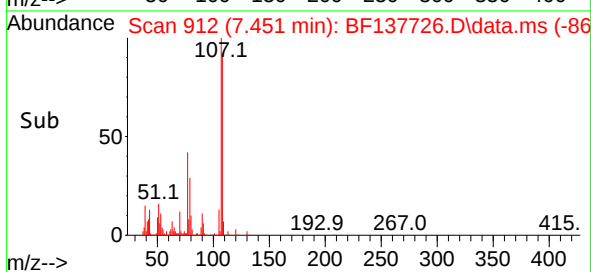
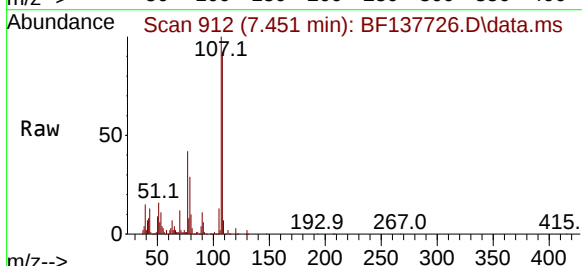
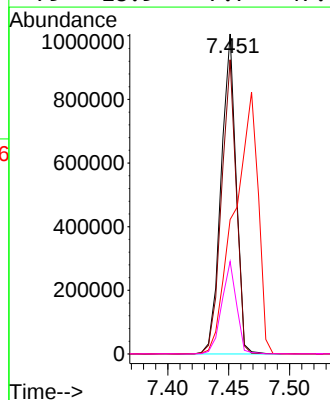
Ion Ratio Lower Upper

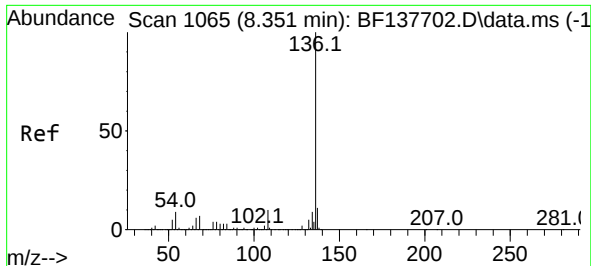
107 100

108 92.0 68.2 108.2

77 42.0 16.8 56.8

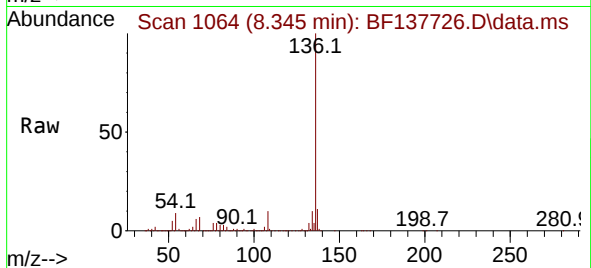
79 28.9 7.7 47.7



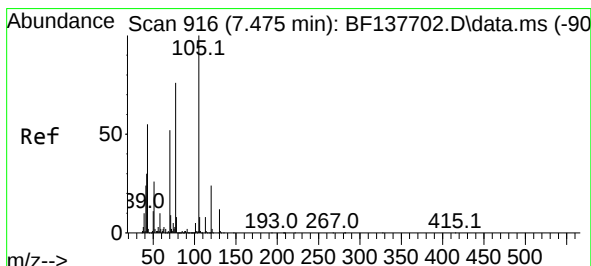
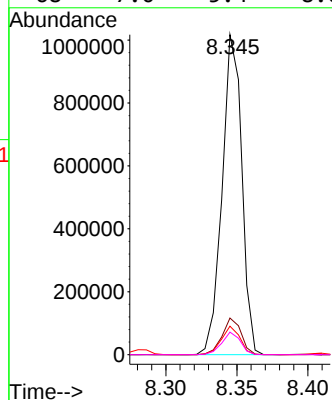
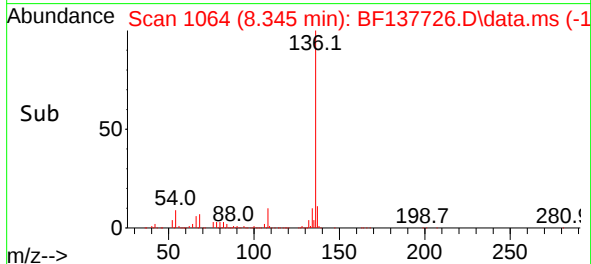


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.345 min Scan# 1064  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

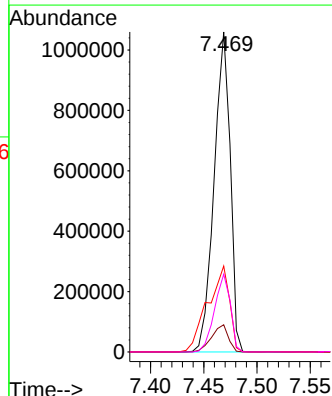
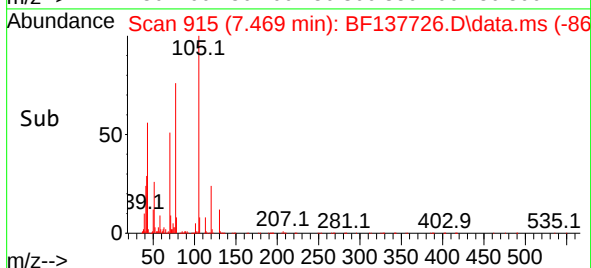
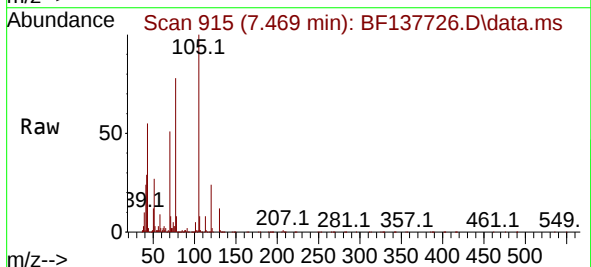


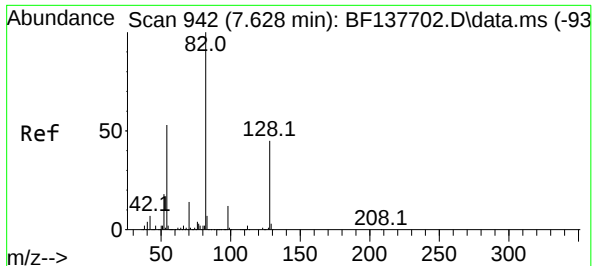
Tgt Ion:136 Resp: 978364  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.8 13.2  
54 8.9 6.9 10.3  
68 7.0 5.4 8.0



#22  
Acetophenone  
Concen: 46.556 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:105 Resp: 1114055  
Ion Ratio Lower Upper  
105 100  
71 8.5 7.0 10.6  
51 26.9 20.5 30.7  
120 24.3 19.2 28.8





#23

Nitrobenzene-d5

Concen: 58.179 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

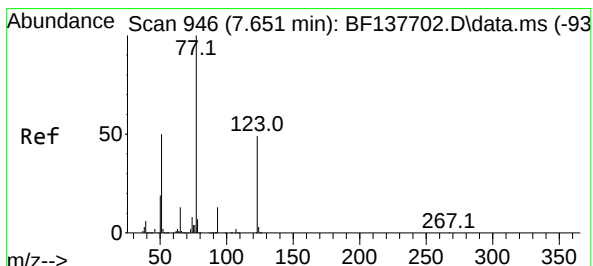
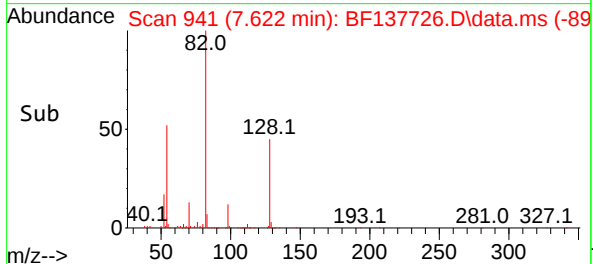
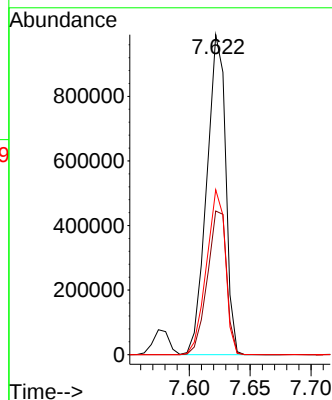
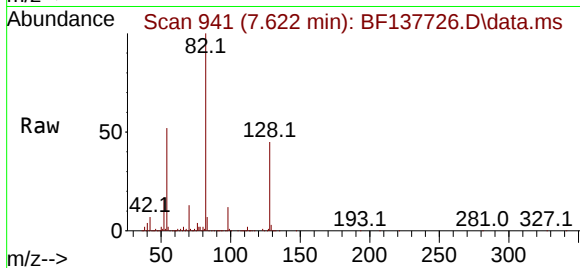
BNA\_F

ClientSampleId :

YARD-3MSD

Tgt Ion: 82 Resp: 1072285

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.9  | 35.8  | 53.6  |
| 54  | 51.5  | 42.5  | 63.7  |



#24

Nitrobenzene

Concen: 46.056 ng

RT: 7.645 min Scan# 945

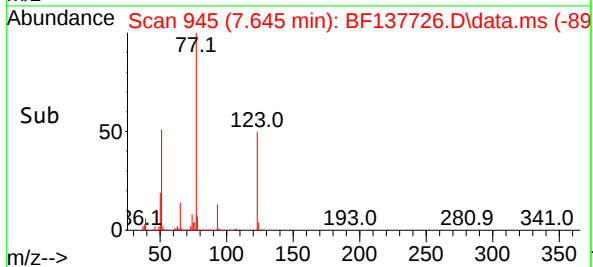
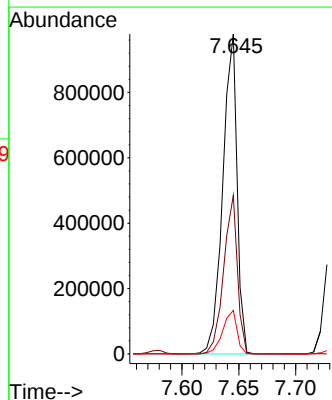
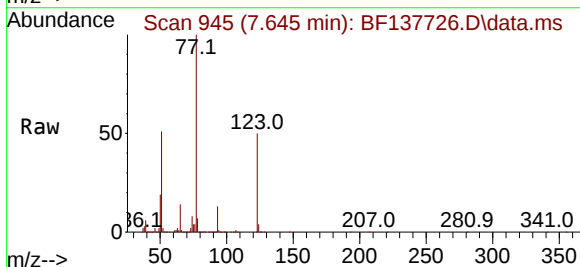
Delta R.T. -0.006 min

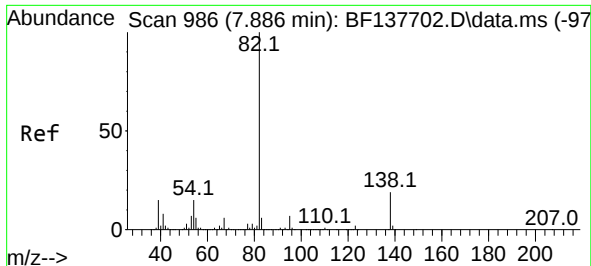
Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion: 77 Resp: 857591

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 49.5  | 40.4  | 60.6  |
| 65  | 13.6  | 10.7  | 16.1  |

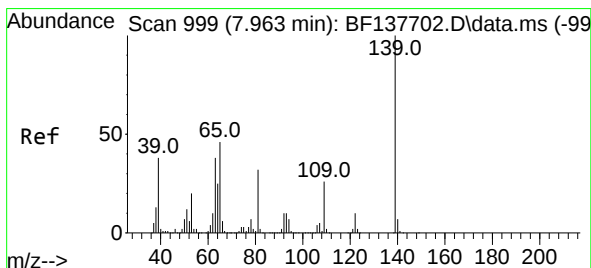
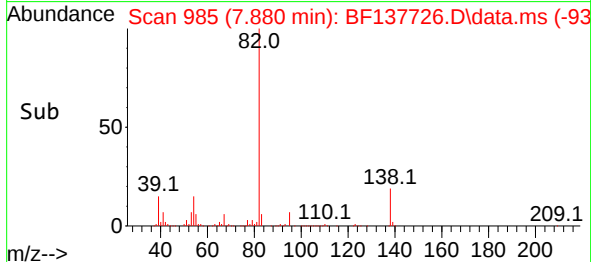
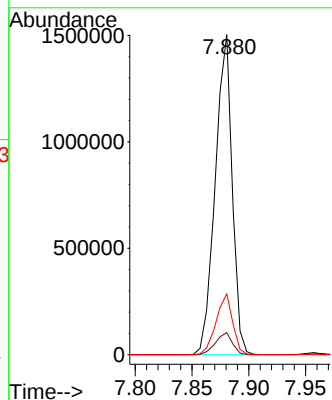
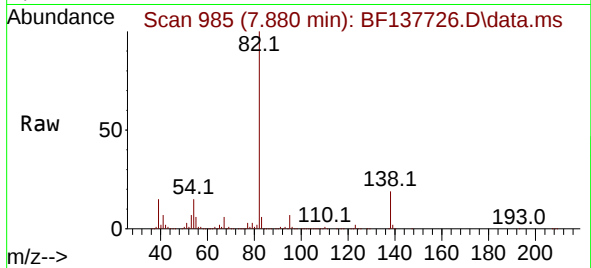




#25  
Isophorone  
Concen: 45.602 ng  
RT: 7.880 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

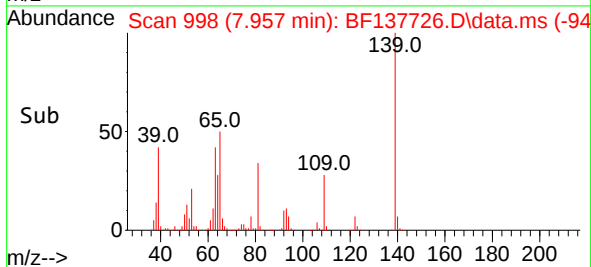
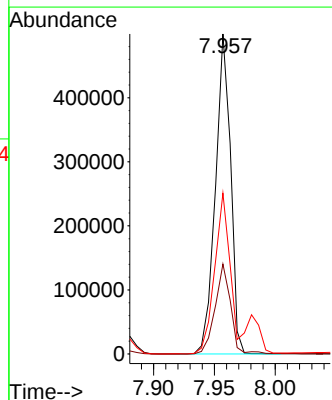
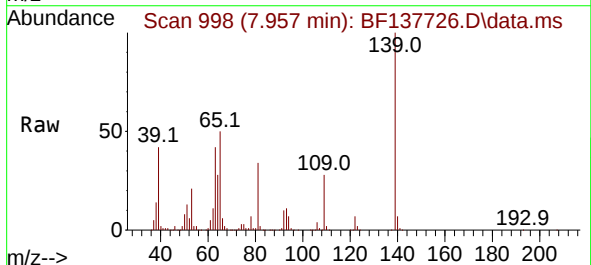
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

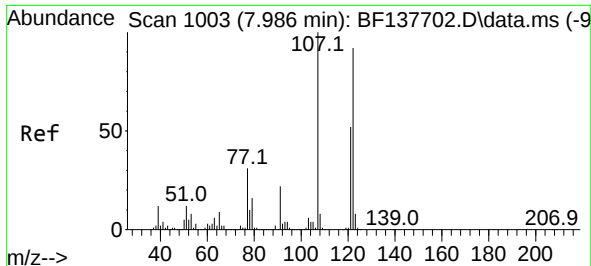
Tgt Ion: 82 Resp: 1560946  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.5 8.3  
138 19.0 15.3 22.9



#26  
2-Nitrophenol  
Concen: 52.960 ng  
RT: 7.957 min Scan# 998  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:139 Resp: 432761  
Ion Ratio Lower Upper  
139 100  
109 28.1 21.1 31.7  
65 50.2 37.1 55.7





#27

2,4-Dimethylphenol

Concen: 38.443 ng

RT: 7.980 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

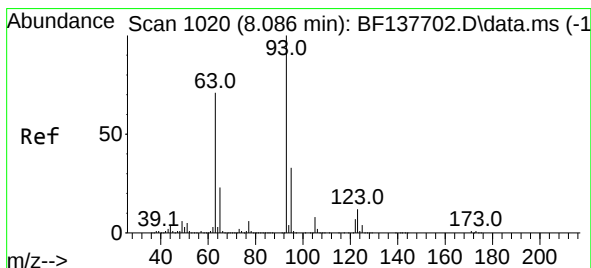
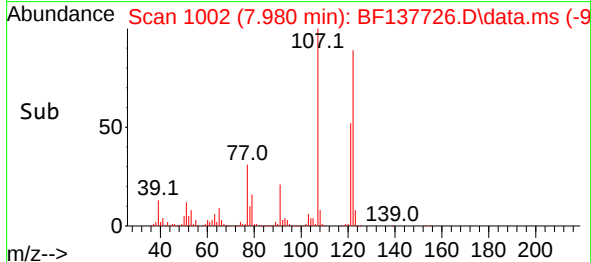
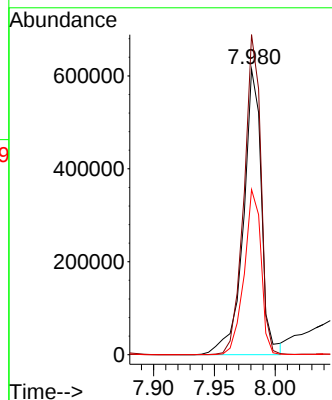
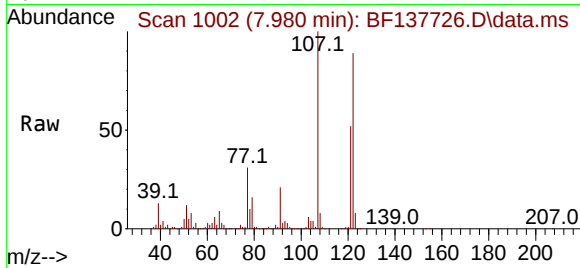
Tgt Ion:122 Resp: 633770

Ion Ratio Lower Upper

122 100

107 112.1 87.2 130.8

121 57.9 45.2 67.8



#28

bis(2-Chloroethoxy)methane

Concen: 44.704 ng

RT: 8.086 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

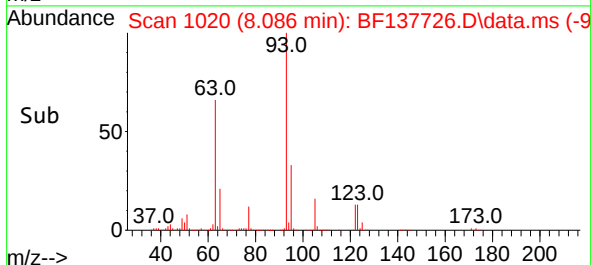
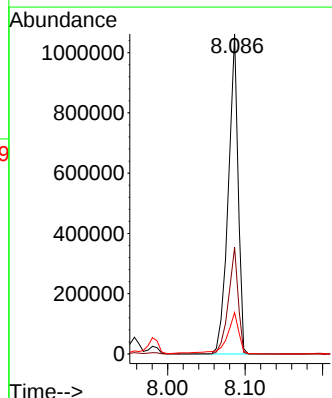
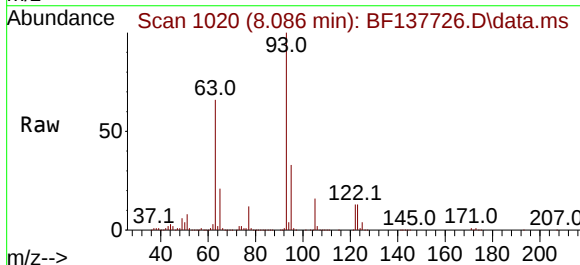
Tgt Ion: 93 Resp: 934663

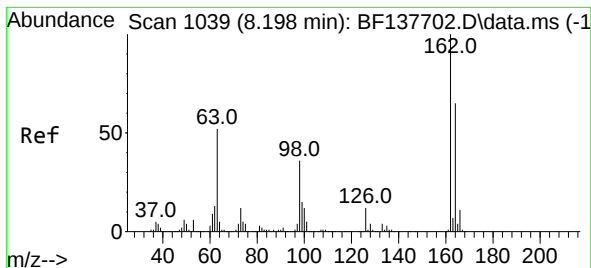
Ion Ratio Lower Upper

93 100

95 33.3 26.5 39.7

123 13.0 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 47.703 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

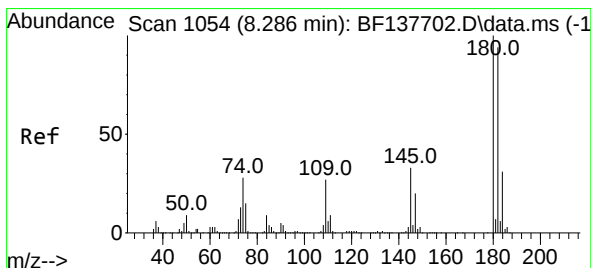
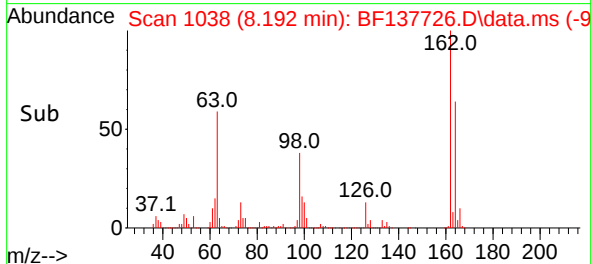
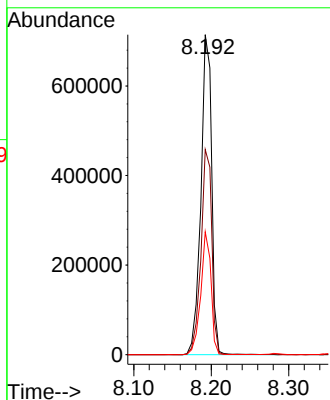
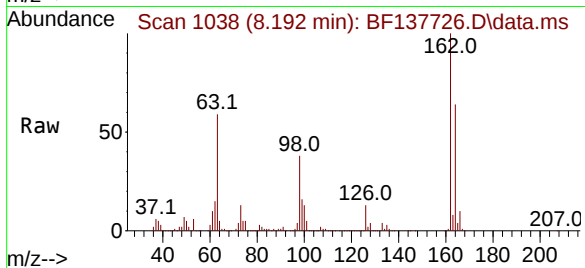
Tgt Ion:162 Resp: 689226

Ion Ratio Lower Upper

162 100

164 64.1 45.2 85.2

98 38.4 15.7 55.7



#30

1,2,4-Trichlorobenzene

Concen: 48.629 ng

RT: 8.286 min Scan# 1054

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

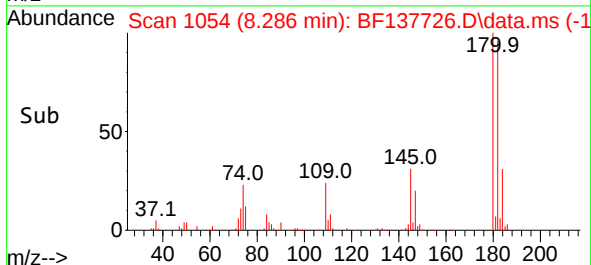
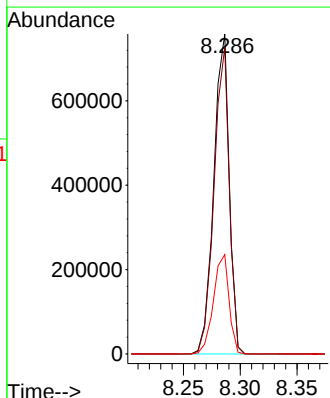
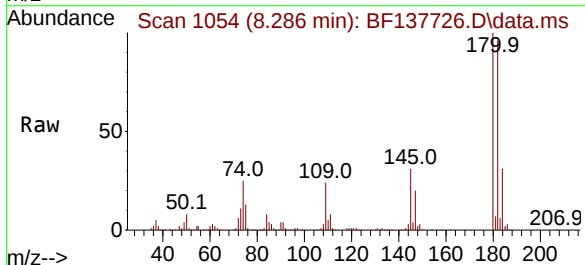
Tgt Ion:180 Resp: 716143

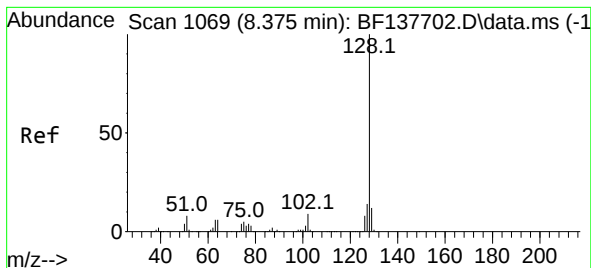
Ion Ratio Lower Upper

180 100

182 95.9 75.4 113.2

145 31.1 26.3 39.5





#31

Naphthalene

Concen: 46.771 ng

RT: 8.369 min Scan# 1068

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

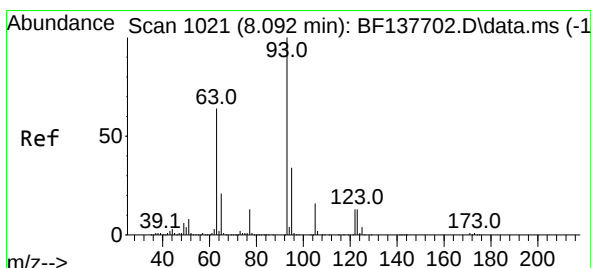
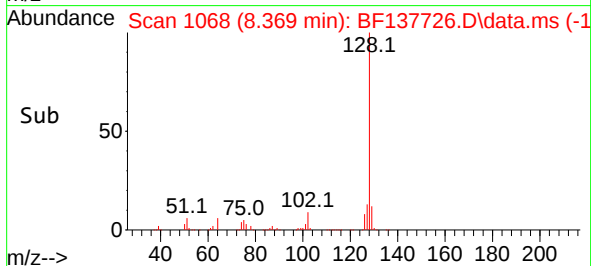
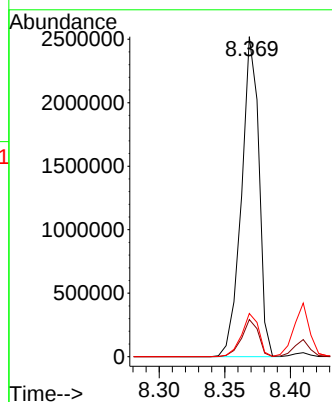
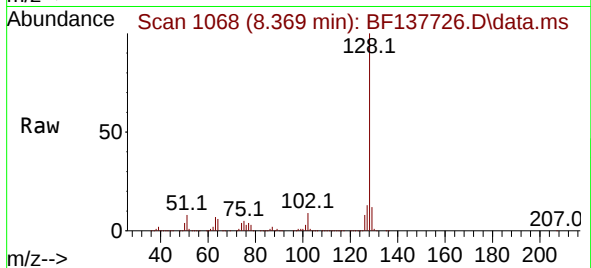
Tgt Ion:128 Resp: 2335073

Ion Ratio Lower Upper

128 100

129 11.6 9.3 13.9

127 13.5 11.0 16.6



#32

Benzoic acid

Concen: 48.409 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

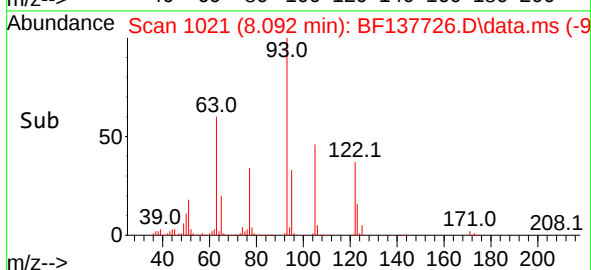
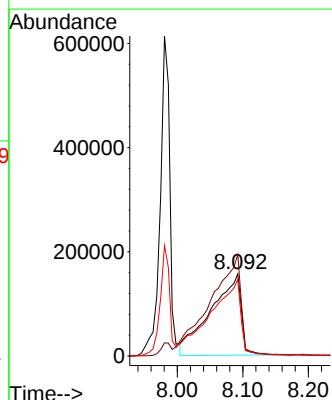
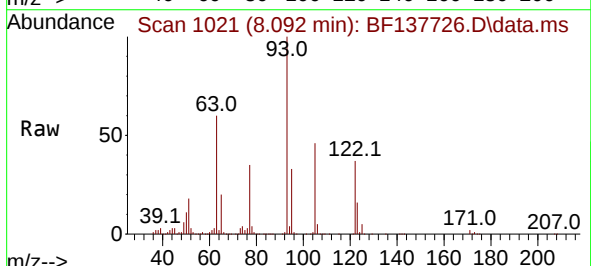
Tgt Ion:122 Resp: 505322

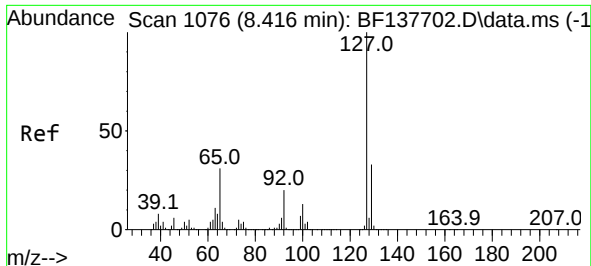
Ion Ratio Lower Upper

122 100

105 123.6 101.1 141.1

77 93.4 75.7 115.7

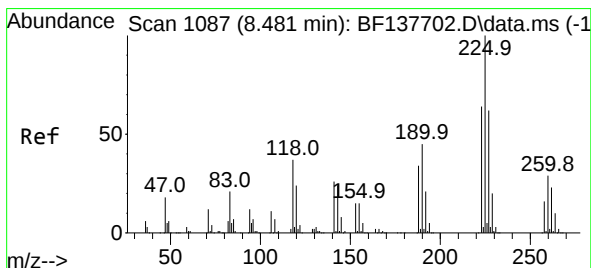
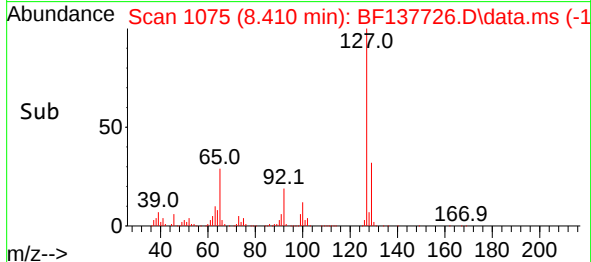
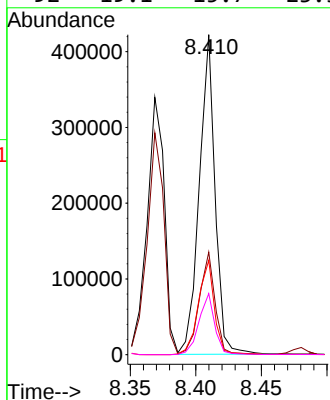
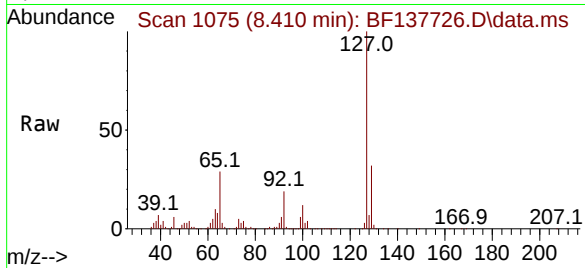




#33  
4-Chloroaniline  
Concen: 16.794 ng  
RT: 8.410 min Scan# 1076  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

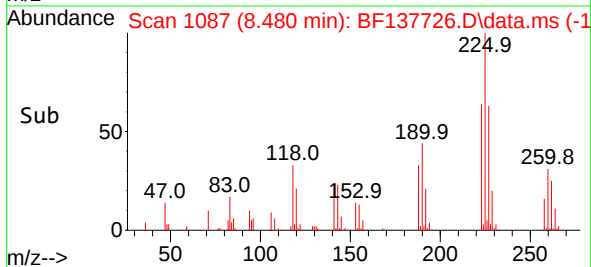
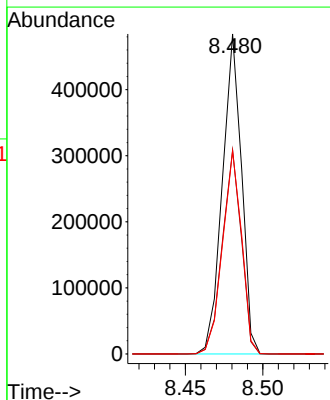
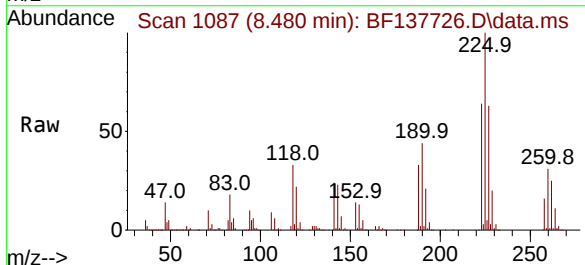
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

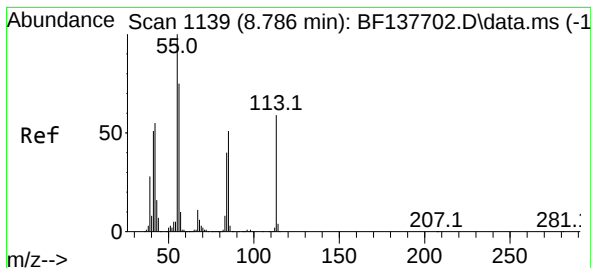
|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:127 | Resp: | 354886 |
| Ion | Ratio   | Lower | Upper  |
| 127 | 100     |       |        |
| 129 | 32.1    | 26.4  | 39.6   |
| 65  | 29.4    | 24.6  | 36.8   |
| 92  | 19.1    | 15.7  | 23.5   |



#34  
Hexachlorobutadiene  
Concen: 47.059 ng  
RT: 8.480 min Scan# 1087  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 415472 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 63.8    | 51.4  | 77.0   |
| 227 | 63.4    | 49.4  | 74.2   |





#35

Caprolactam

Concen: 28.912 ng

RT: 8.780 min Scan# 1139

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

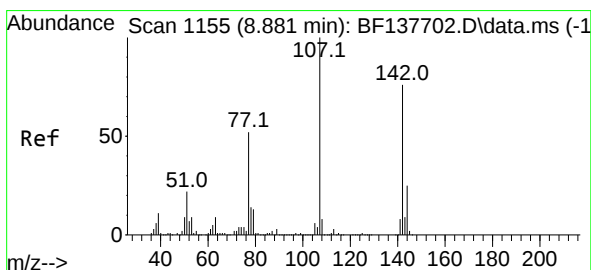
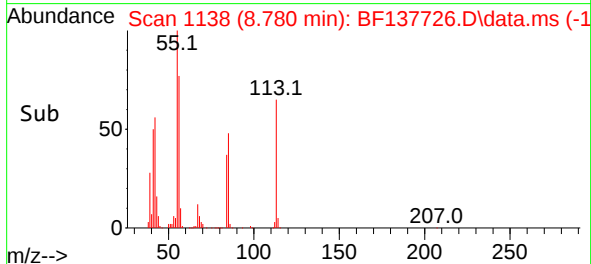
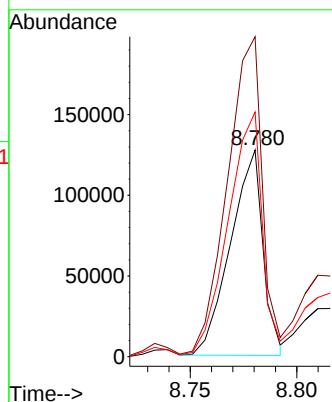
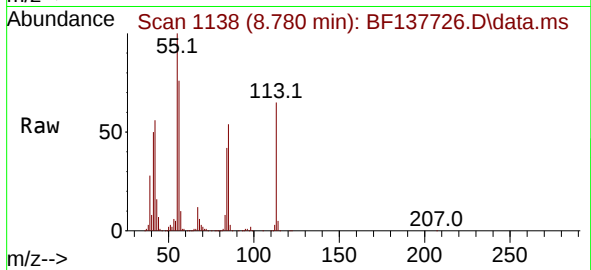
Tgt Ion:113 Resp: 135057

Ion Ratio Lower Upper

113 100

55 154.8 148.7 188.7

56 118.3 107.2 147.2



#36

4-Chloro-3-methylphenol

Concen: 47.447 ng

RT: 8.880 min Scan# 1155

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

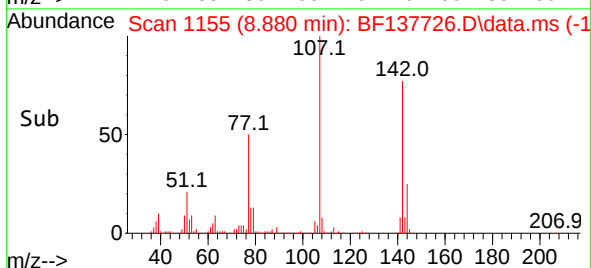
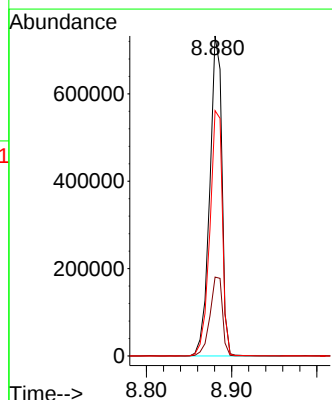
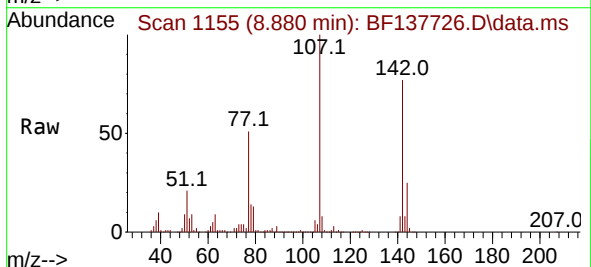
Tgt Ion:107 Resp: 727095

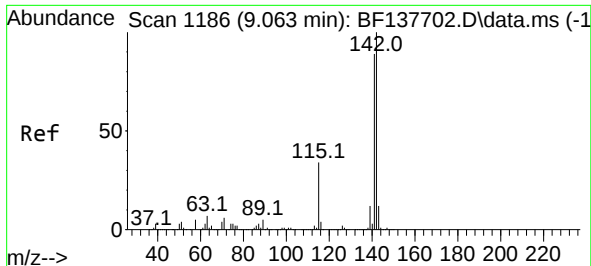
Ion Ratio Lower Upper

107 100

144 24.6 19.8 29.8

142 76.6 60.5 90.7

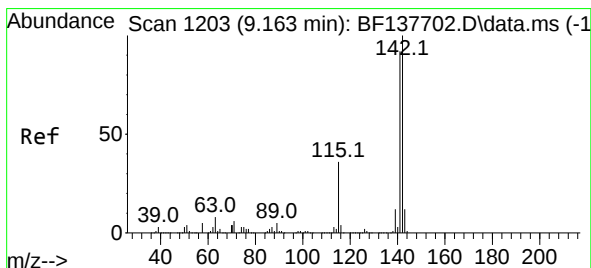
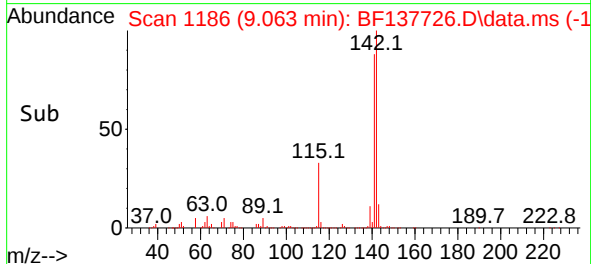
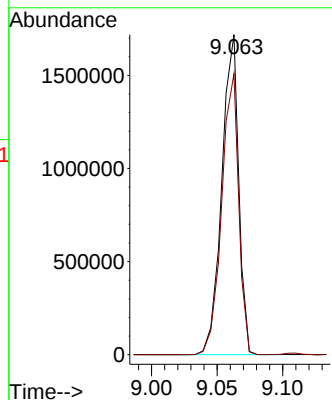
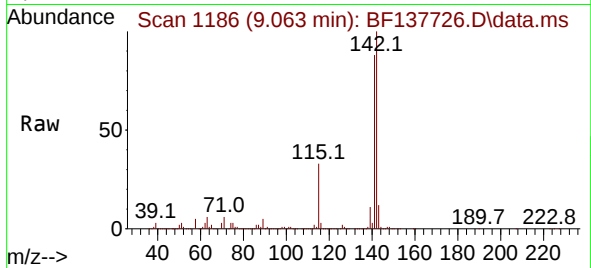




#37  
2-Methylnaphthalene  
Concen: 44.825 ng  
RT: 9.063 min Scan# 1186  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

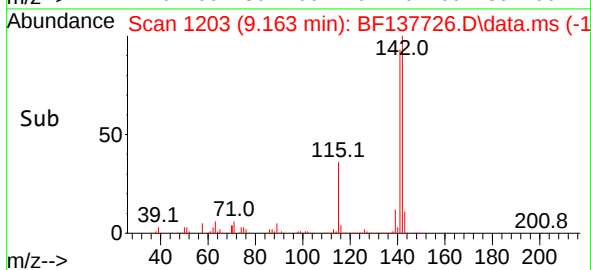
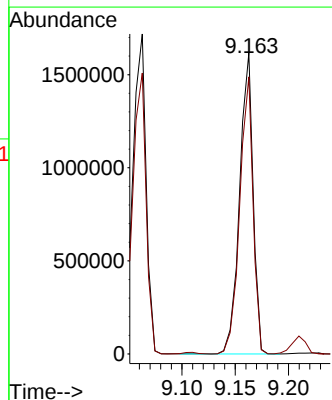
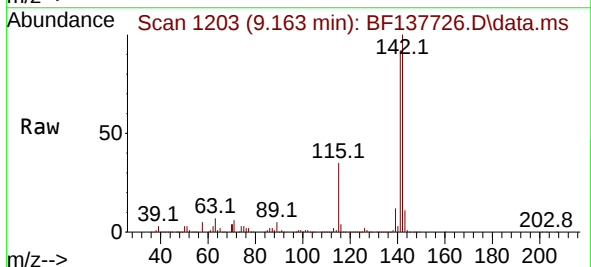
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

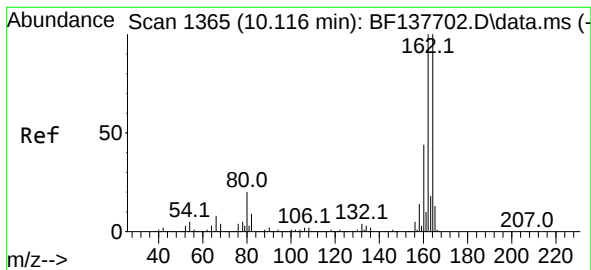
Tgt Ion:142 Resp: 1536023  
Ion Ratio Lower Upper  
142 100  
141 87.8 71.2 106.8



#38  
1-Methylnaphthalene  
Concen: 44.600 ng  
RT: 9.163 min Scan# 1203  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:142 Resp: 1428890  
Ion Ratio Lower Upper  
142 100  
141 92.1 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.110 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

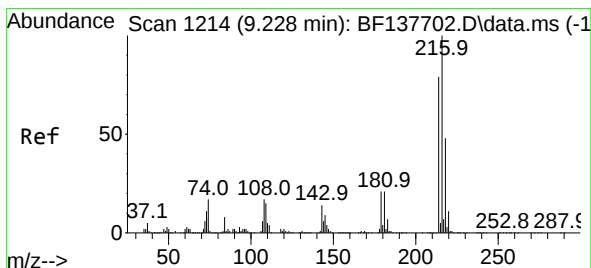
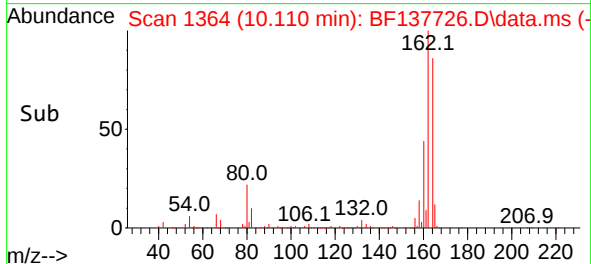
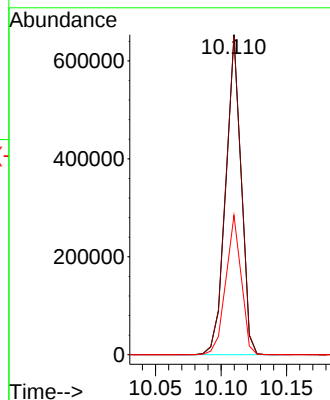
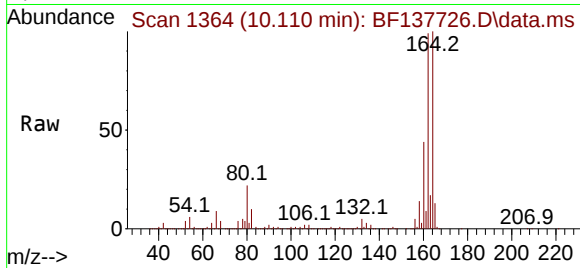
Tgt Ion:164 Resp: 532186

Ion Ratio Lower Upper

164 100

162 99.5 80.3 120.5

160 43.6 35.0 52.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 48.408 ng

RT: 9.227 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion:216 Resp: 706274

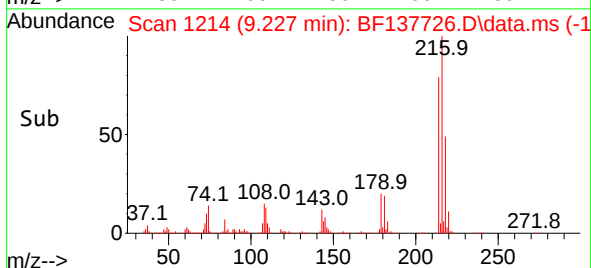
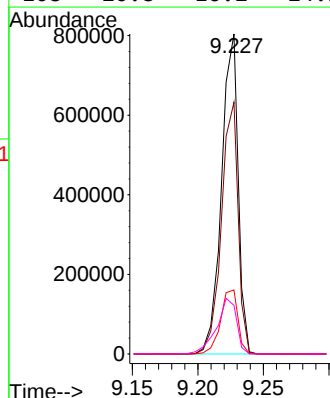
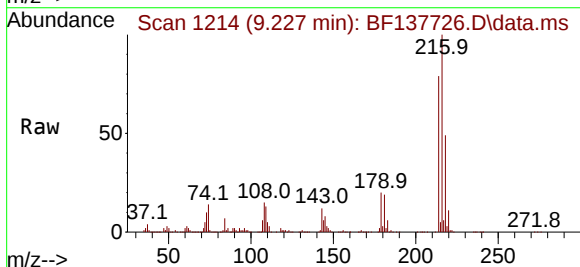
Ion Ratio Lower Upper

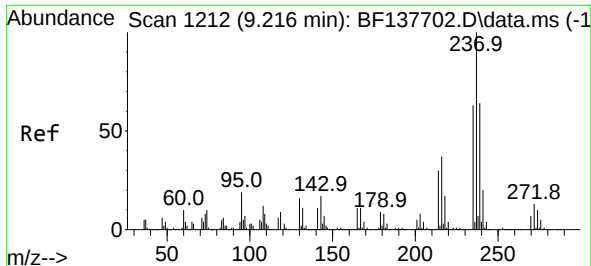
216 100

214 79.1 63.4 95.0

179 20.9 17.1 25.7

108 20.8 16.2 24.2

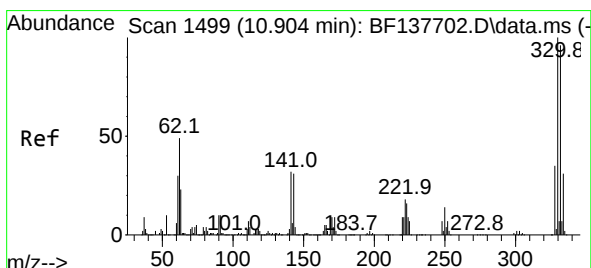
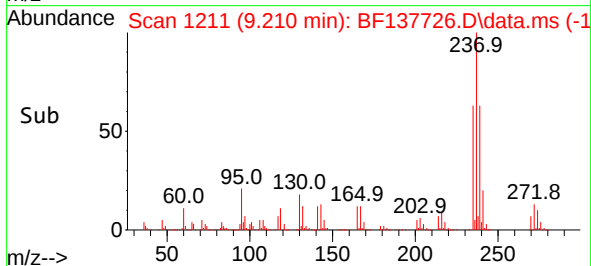
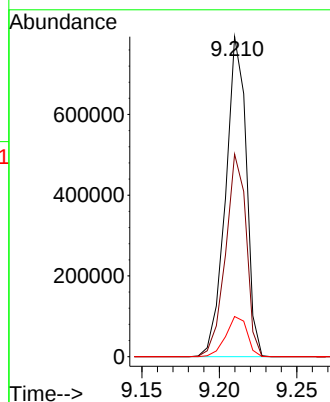
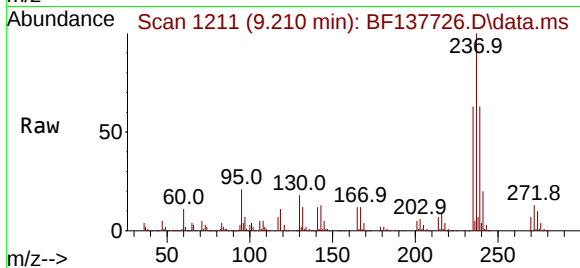




#41  
Hexachlorocyclopentadiene  
Concen: 90.210 ng  
RT: 9.210 min Scan# 1212  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

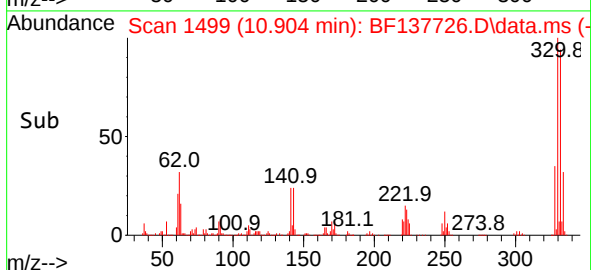
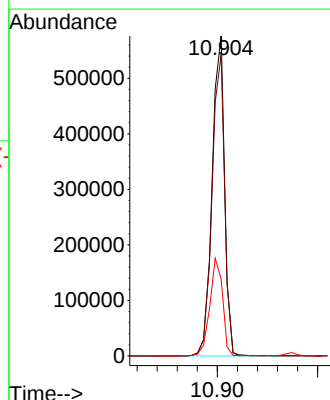
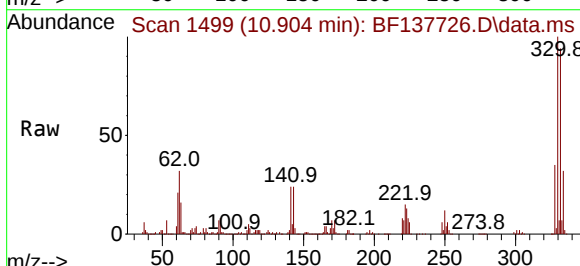
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

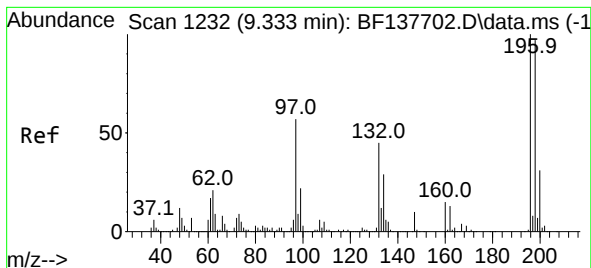
Tgt Ion:237 Resp: 737467  
Ion Ratio Lower Upper  
237 100  
235 63.3 42.9 82.9  
272 12.5 0.0 33.1



#42  
2,4,6-Tribromophenol  
Concen: 92.657 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:330 Resp: 497585  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.1 115.7  
141 31.5 27.0 40.4





#43

2,4,6-Trichlorophenol

Concen: 49.900 ng

RT: 9.333 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

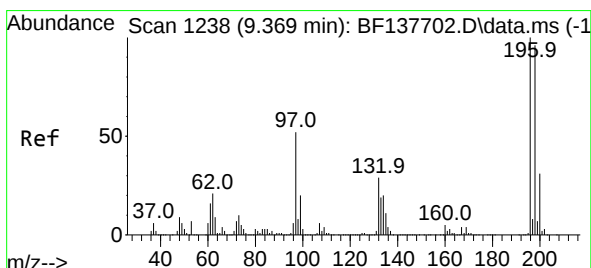
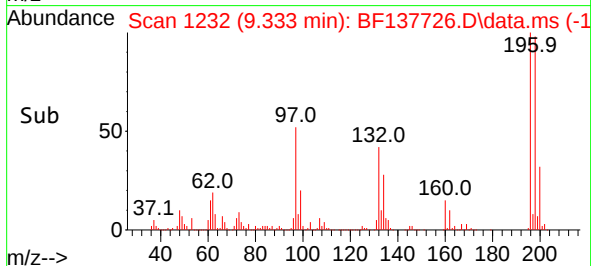
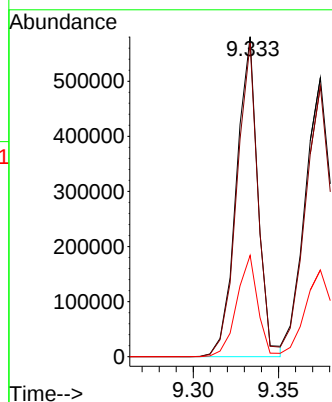
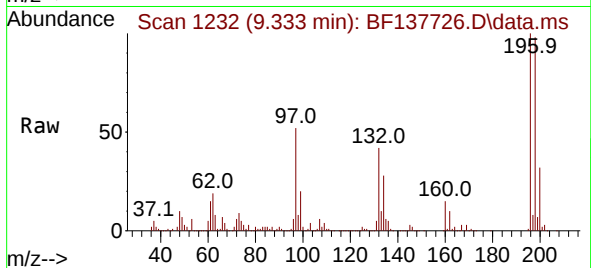
Tgt Ion:196 Resp: 510738

Ion Ratio Lower Upper

196 100

198 98.1 77.8 116.6

200 31.6 25.0 37.4



#44

2,4,5-Trichlorophenol

Concen: 45.430 ng

RT: 9.374 min Scan# 1239

Delta R.T. 0.005 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion:196 Resp: 532901

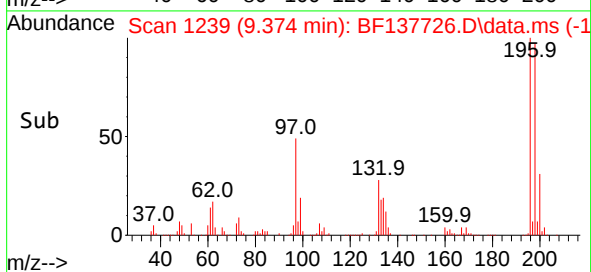
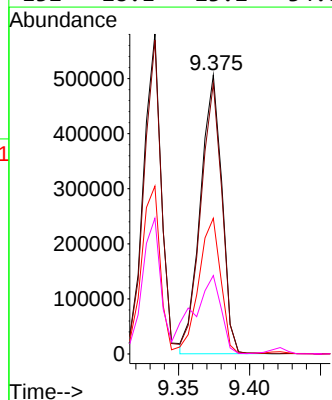
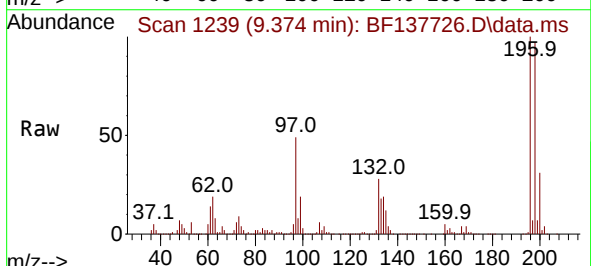
Ion Ratio Lower Upper

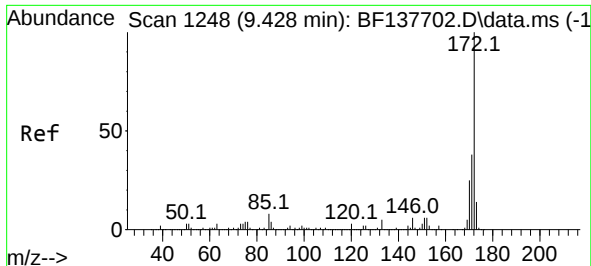
196 100

198 97.0 77.2 115.8

97 48.7 41.8 62.8

132 28.1 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 57.472 ng

RT: 9.422 min Scan# 1248

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

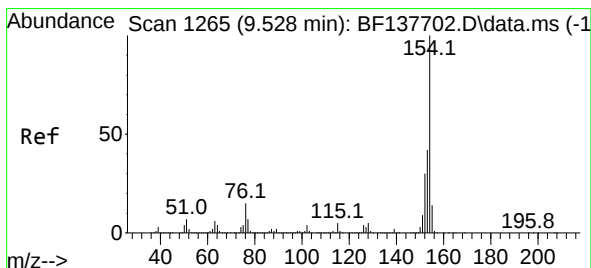
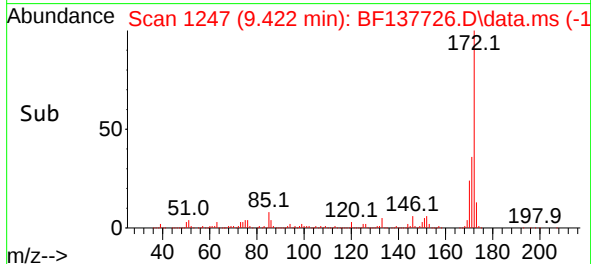
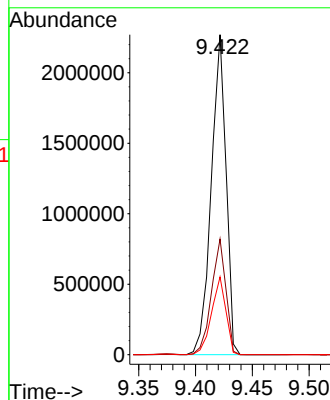
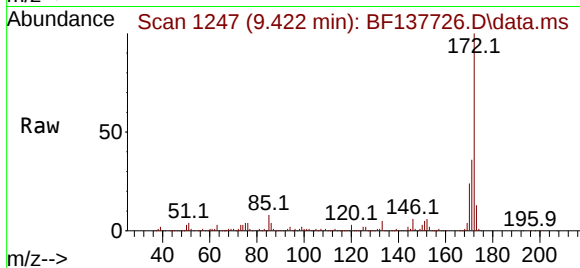
Tgt Ion:172 Resp: 2046965

Ion Ratio Lower Upper

172 100

171 36.2 30.2 45.4

170 24.3 20.2 30.4



#46

1,1'-Biphenyl

Concen: 47.580 ng

RT: 9.527 min Scan# 1265

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

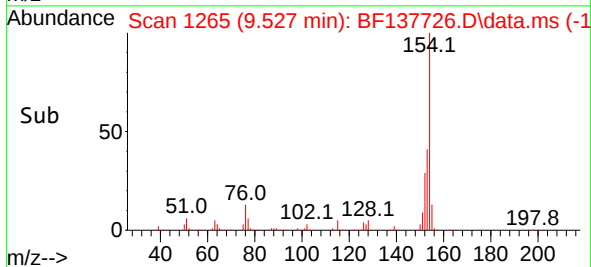
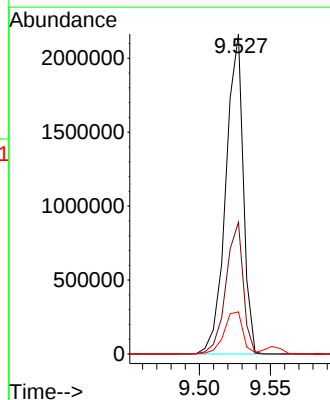
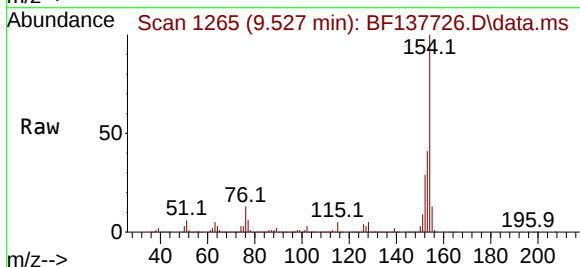
Tgt Ion:154 Resp: 1842082

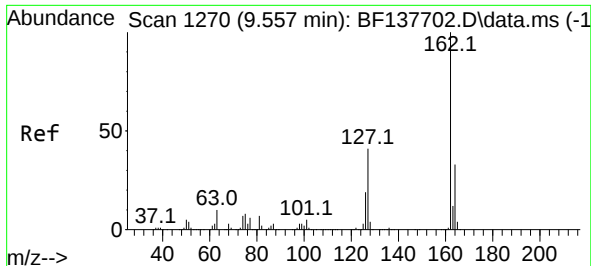
Ion Ratio Lower Upper

154 100

153 41.2 21.9 61.9

76 13.1 0.0 35.3





#47

2-Chloronaphthalene

Concen: 48.711 ng

RT: 9.551 min Scan# 1269

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

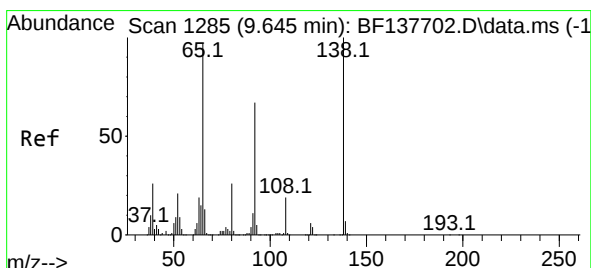
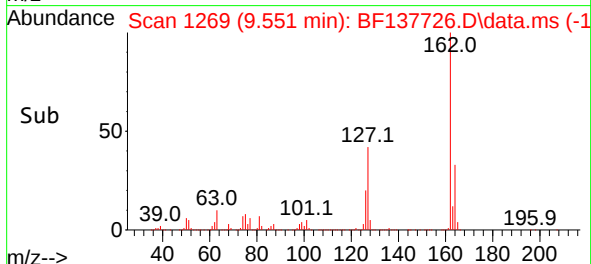
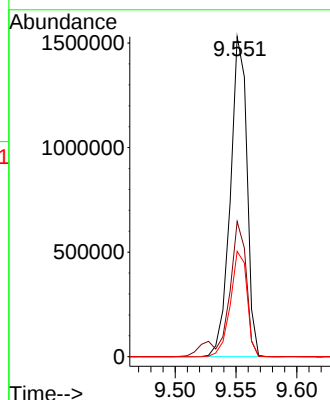
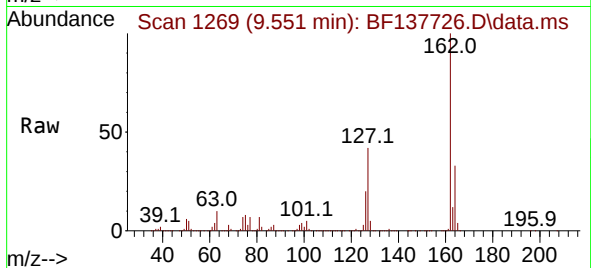
Tgt Ion:162 Resp: 1453746

Ion Ratio Lower Upper

162 100

127 42.2 33.1 49.7

164 32.9 26.5 39.7



#48

2-Nitroaniline

Concen: 50.022 ng

RT: 9.645 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

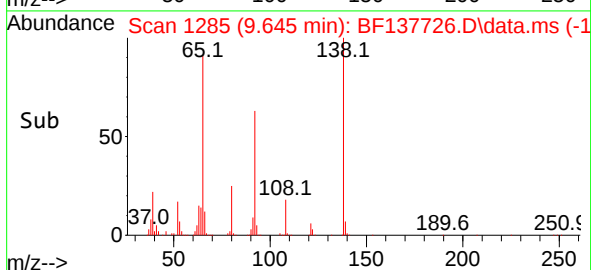
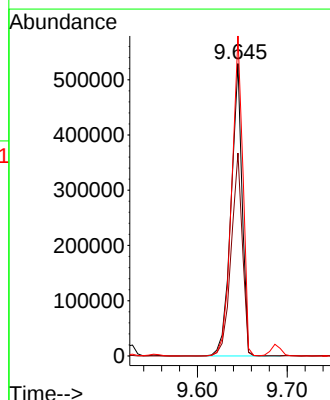
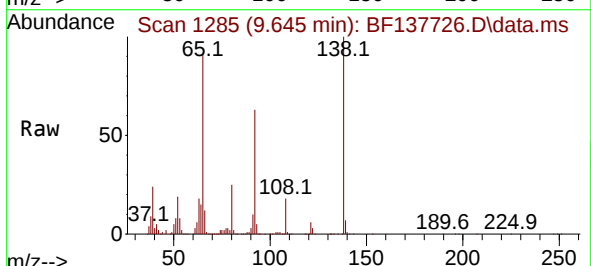
Tgt Ion: 65 Resp: 454909

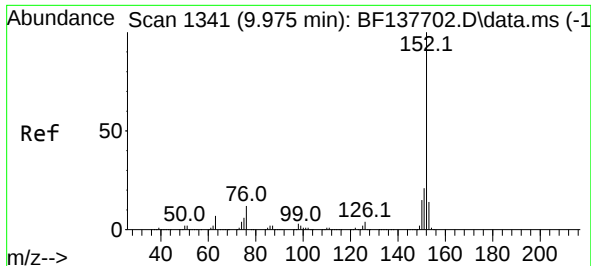
Ion Ratio Lower Upper

65 100

92 69.4 54.9 82.3

138 109.4 82.4 123.6





#49

Acenaphthylene

Concen: 49.556 ng

RT: 9.974 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

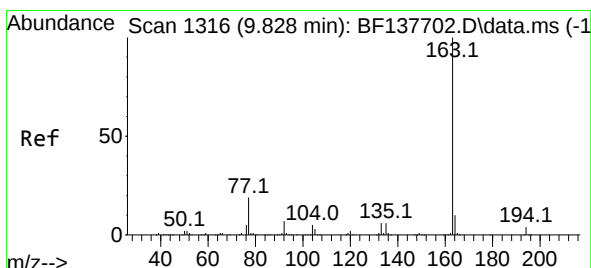
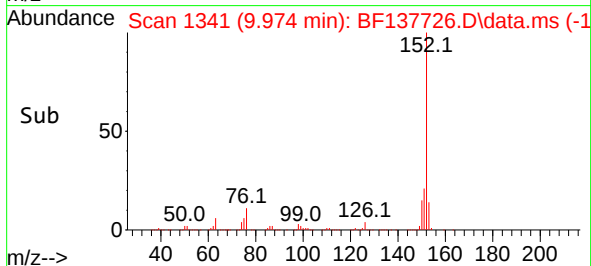
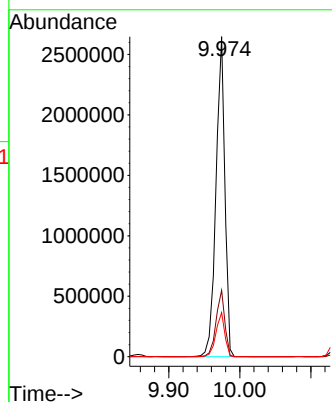
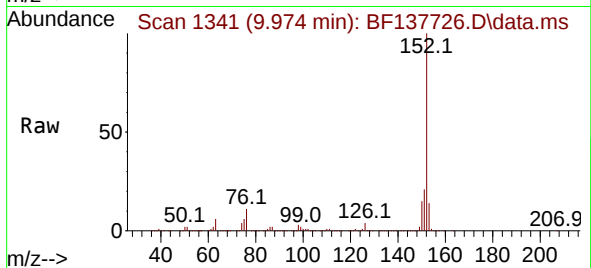
Tgt Ion:152 Resp: 2306363

Ion Ratio Lower Upper

152 100

151 20.7 16.8 25.2

153 13.8 11.0 16.4



#50

Dimethylphthalate

Concen: 46.323 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

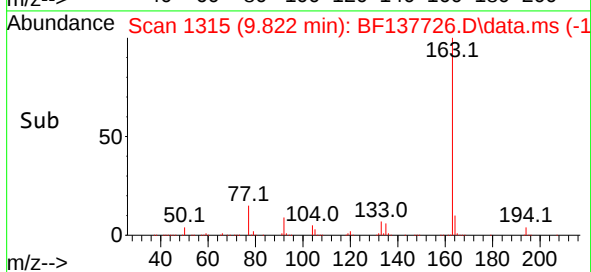
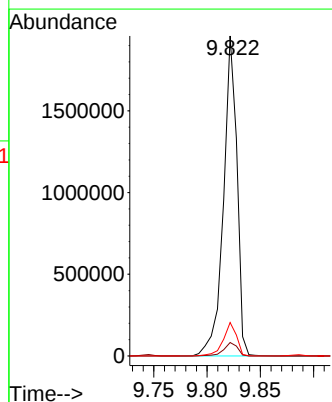
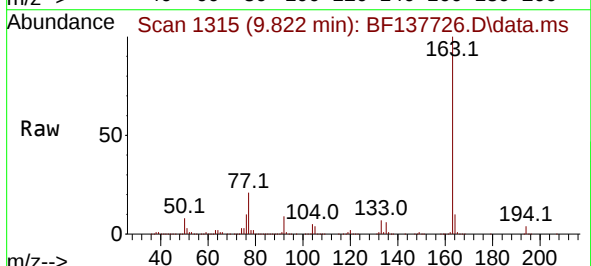
Tgt Ion:163 Resp: 1717601

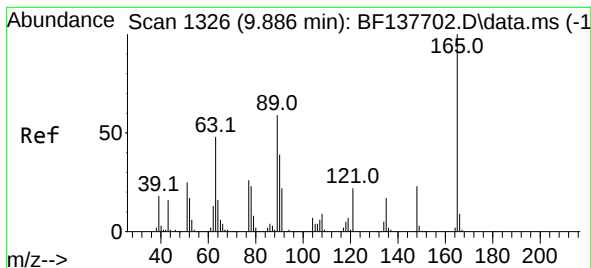
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 10.5 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 49.278 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

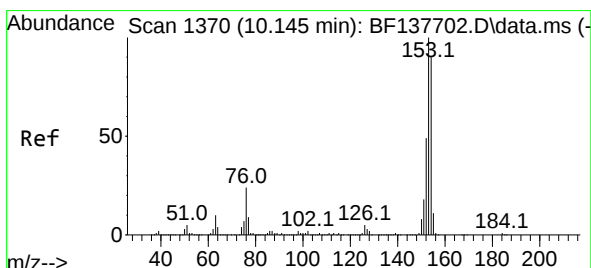
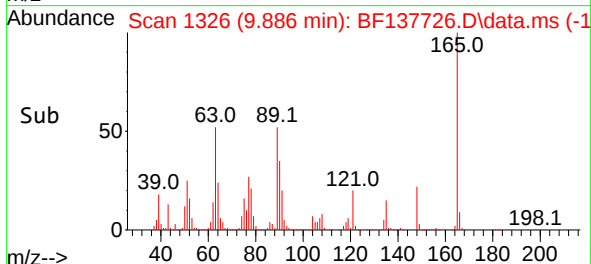
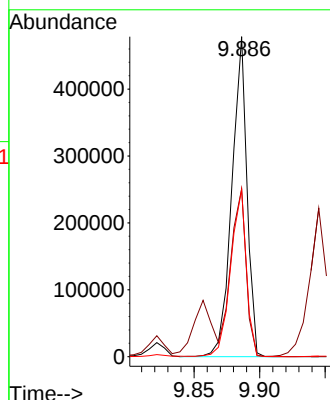
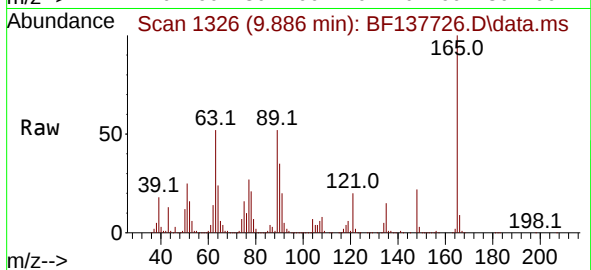
Tgt Ion:165 Resp: 384976

Ion Ratio Lower Upper

165 100

63 52.5 47.7 71.5

89 52.3 47.3 70.9



#52

Acenaphthene

Concen: 50.437 ng

RT: 10.145 min Scan# 1370

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

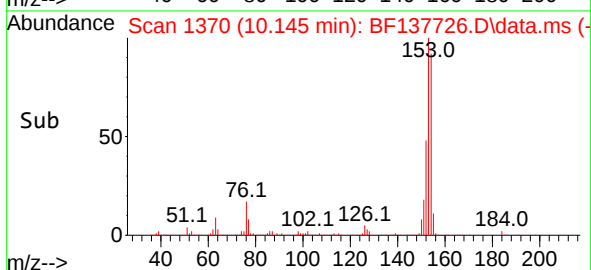
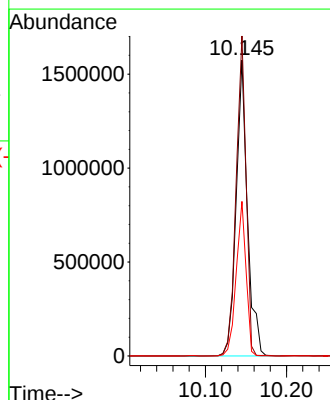
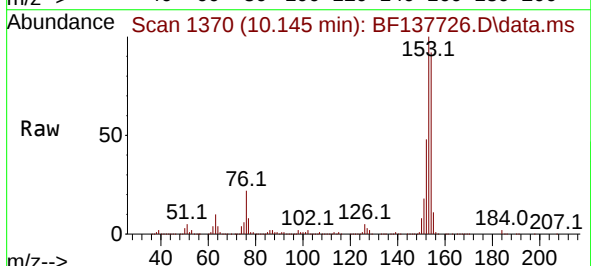
Tgt Ion:154 Resp: 1519967

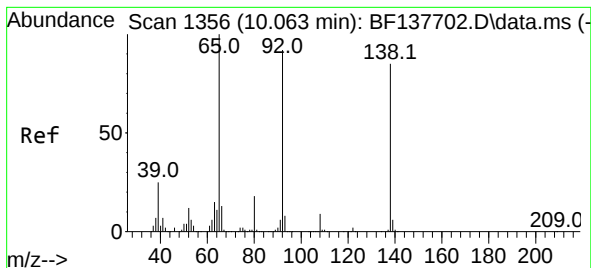
Ion Ratio Lower Upper

154 100

153 108.2 88.5 132.7

152 52.2 43.3 64.9

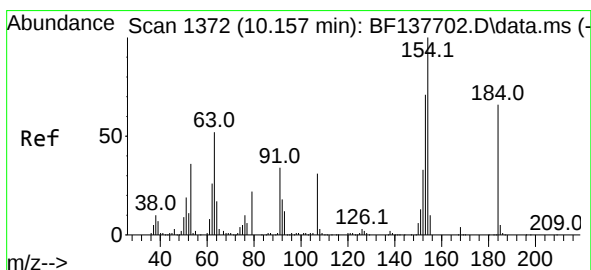
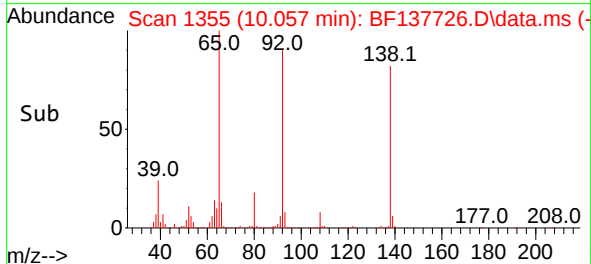
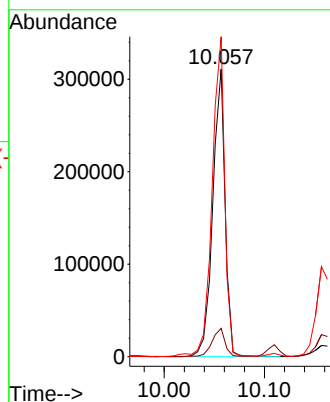
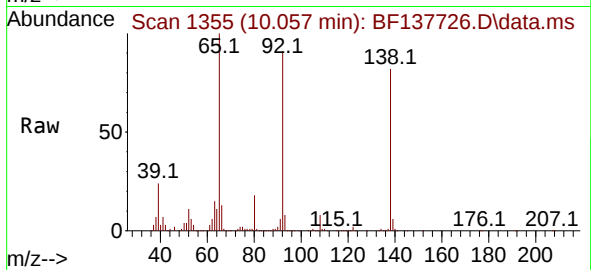




#53  
3-Nitroaniline  
Concen: 30.268 ng  
RT: 10.057 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

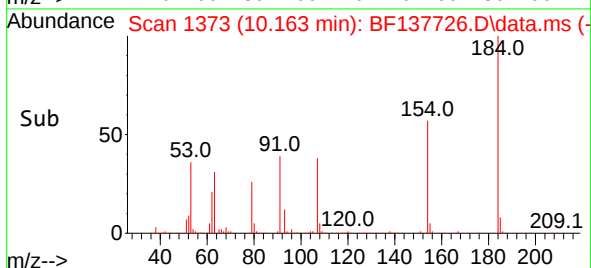
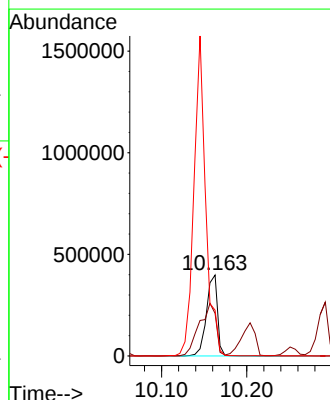
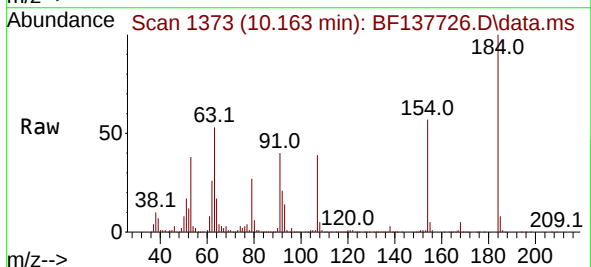
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

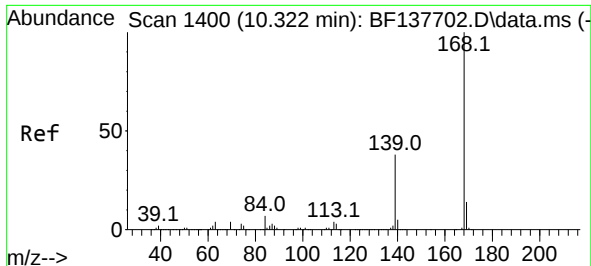
Tgt Ion:138 Resp: 265732  
Ion Ratio Lower Upper  
138 100  
108 9.9 8.3 12.5  
92 111.2 86.9 130.3



#54  
2,4-Dinitrophenol  
Concen: 85.683 ng  
RT: 10.163 min Scan# 1373  
Delta R.T. 0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:184 Resp: 357422  
Ion Ratio Lower Upper  
184 100  
63 52.5 63.5 95.3#  
154 56.6 123.0 184.6#

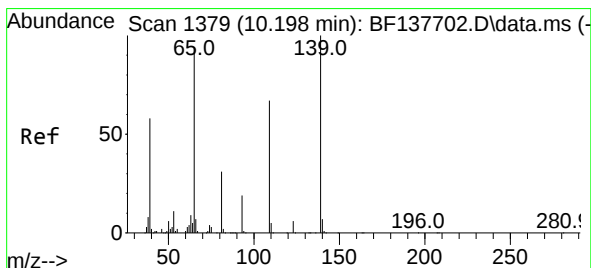
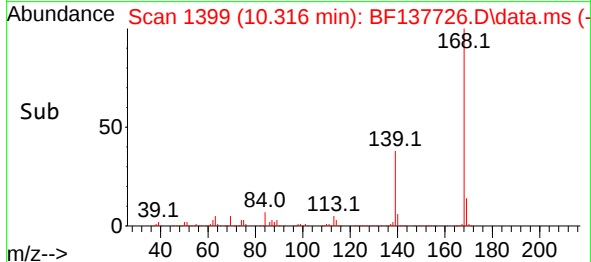
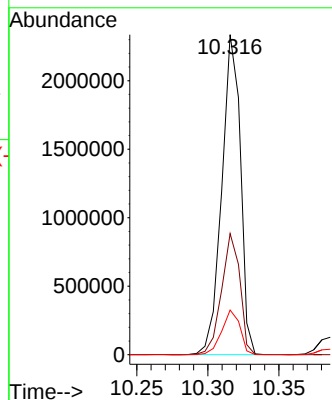
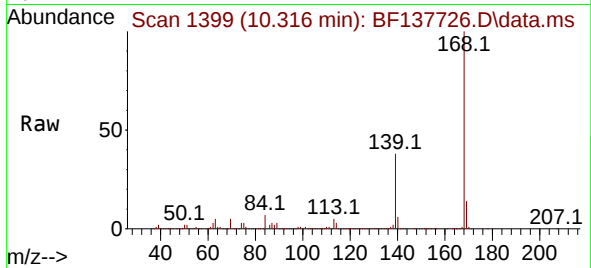




#55  
Dibenzofuran  
Concen: 48.155 ng  
RT: 10.316 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

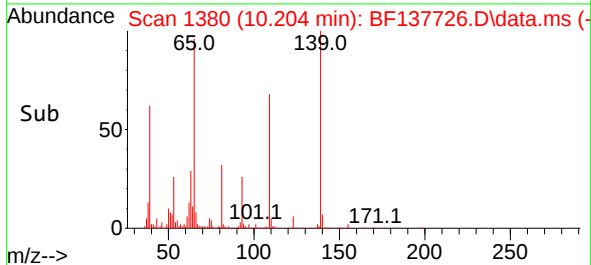
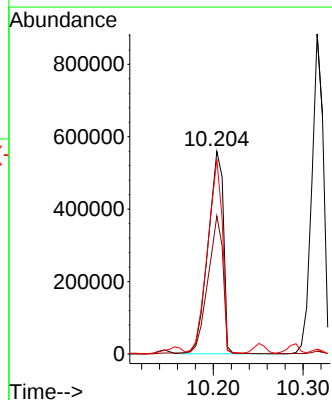
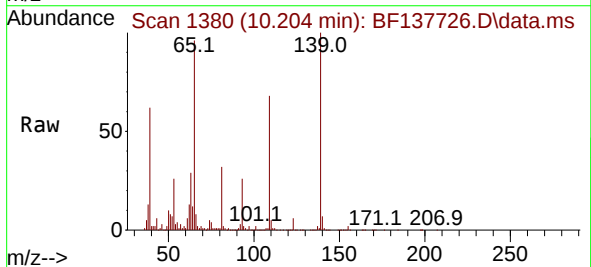
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

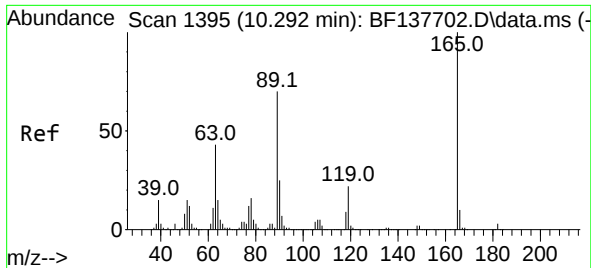
Tgt Ion:168 Resp: 2127250  
Ion Ratio Lower Upper  
168 100  
139 37.8 30.1 45.1  
169 14.0 10.9 16.3



#56  
4-Nitrophenol  
Concen: 97.274 ng  
RT: 10.204 min Scan# 1380  
Delta R.T. 0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:139 Resp: 664133  
Ion Ratio Lower Upper  
139 100  
109 68.2 46.9 86.9  
65 96.1 75.8 115.8

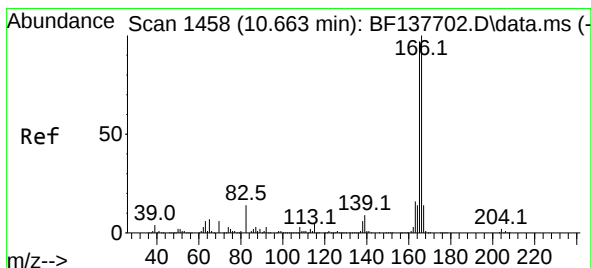
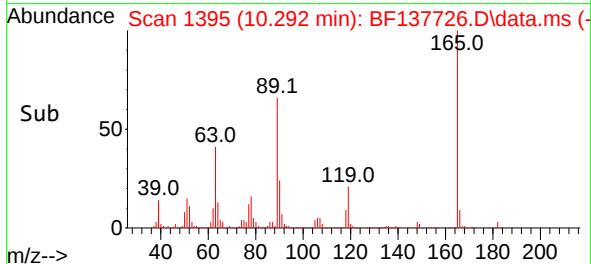
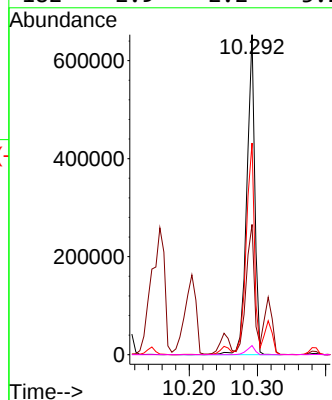
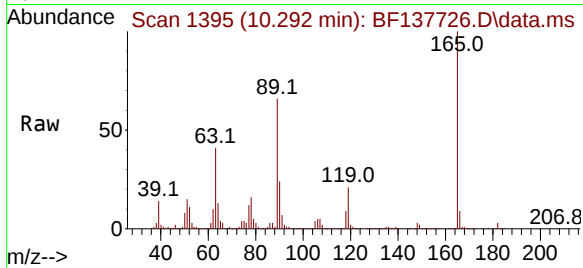




#57  
2,4-Dinitrotoluene  
Concen: 54.062 ng  
RT: 10.292 min Scan# 1395  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

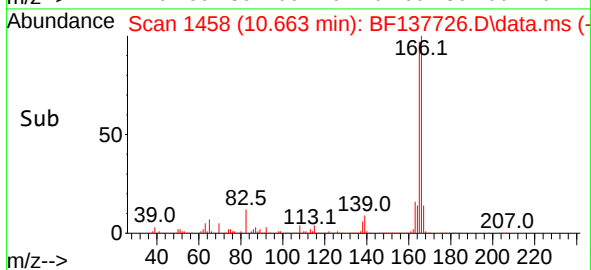
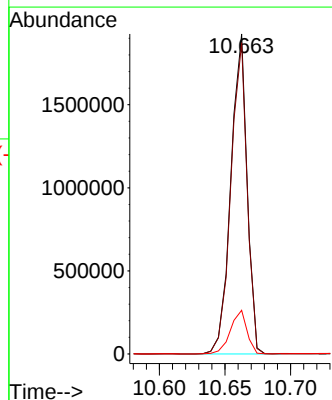
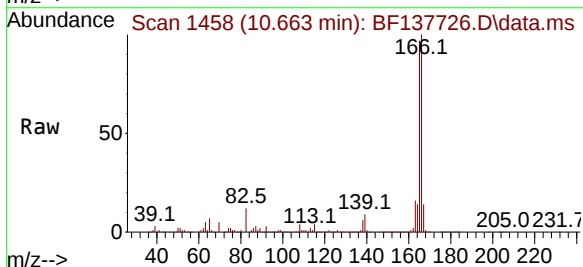
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

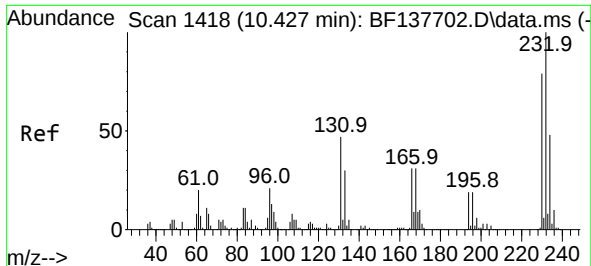
Tgt Ion:165 Resp: 532455  
Ion Ratio Lower Upper  
165 100  
63 40.7 34.1 51.1  
89 66.1 56.4 84.6  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 48.099 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:166 Resp: 1660224  
Ion Ratio Lower Upper  
166 100  
165 97.2 77.8 116.6  
167 13.7 10.8 16.2



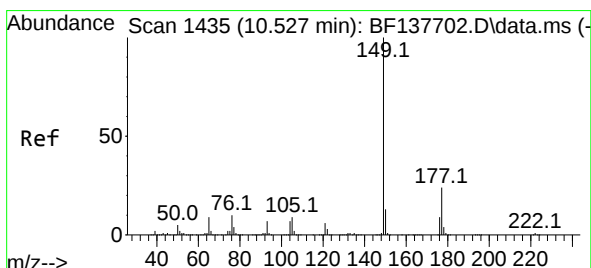
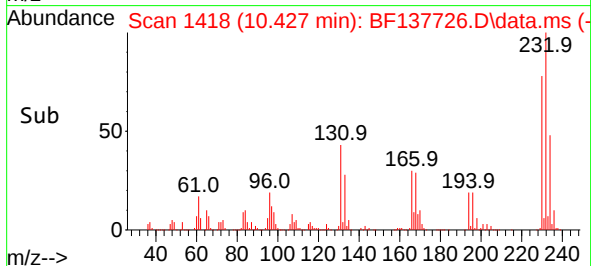
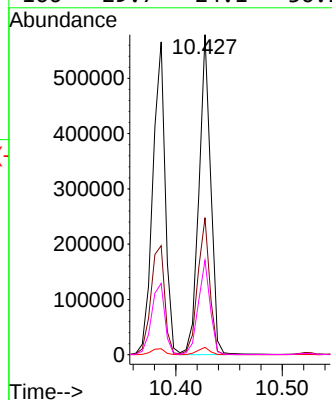
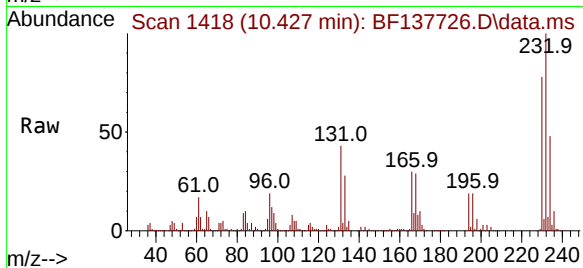


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.872 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

Tgt Ion:232 Resp: 443904

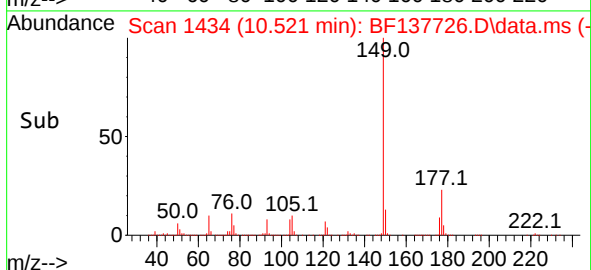
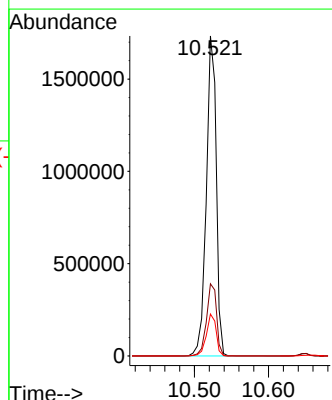
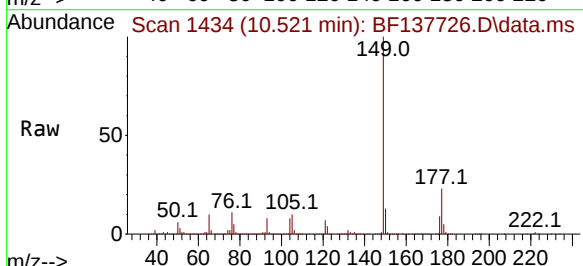
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 232 | 100   |       |       |
| 131 | 43.6  | 36.4  | 54.6  |
| 130 | 2.4   | 1.8   | 2.6   |
| 166 | 29.7  | 24.1  | 36.1  |

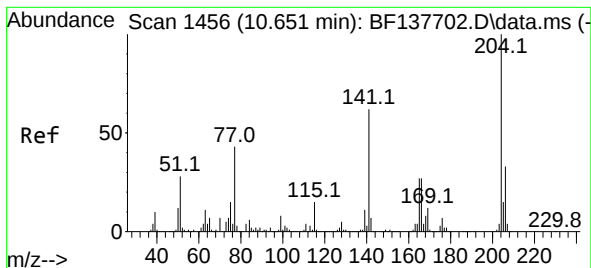


#60  
Diethylphthalate  
Concen: 45.386 ng  
RT: 10.521 min Scan# 1434  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:149 Resp: 1618620

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 177 | 22.6  | 19.0  | 28.4  |
| 150 | 13.1  | 10.2  | 15.2  |

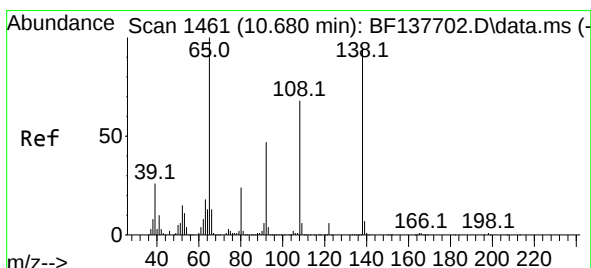
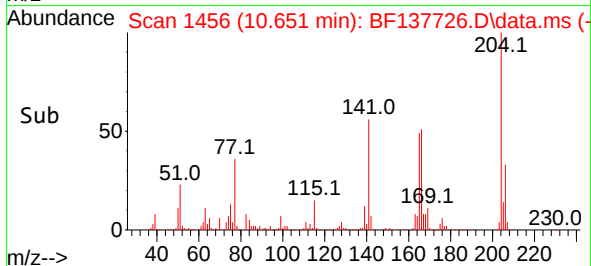
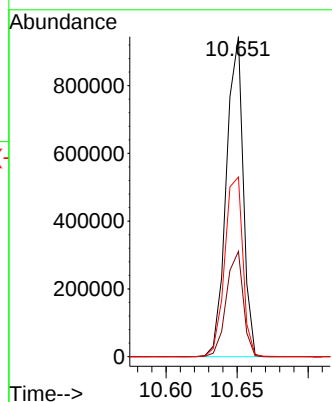
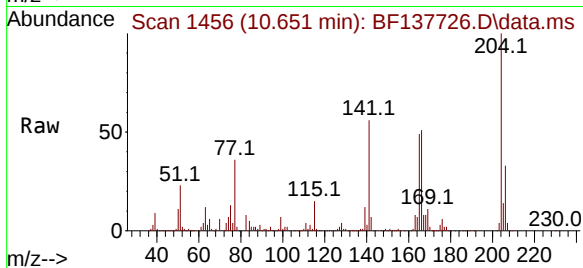




#61  
4-Chlorophenyl-phenylether  
Concen: 45.622 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

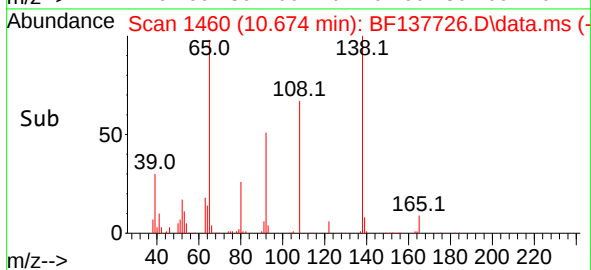
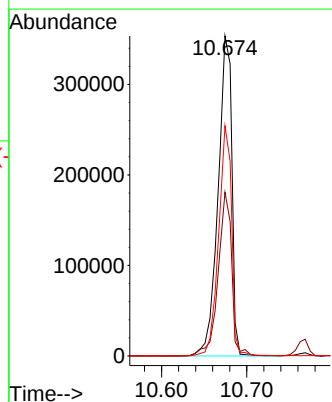
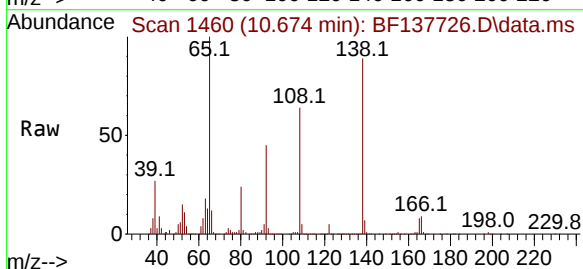
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

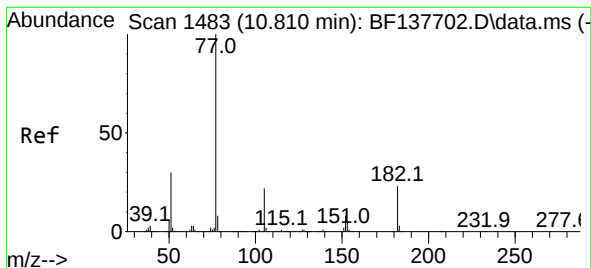
Tgt Ion:204 Resp: 778100  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 56.2 49.4 74.2



#62  
4-Nitroaniline  
Concen: 47.417 ng  
RT: 10.674 min Scan# 1460  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:138 Resp: 396513  
Ion Ratio Lower Upper  
138 100  
92 51.2 29.8 69.8  
108 72.0 51.1 91.1





#63

Azobenzene

Concen: 45.190 ng

RT: 10.810 min Scan# 1483

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

Tgt Ion: 77 Resp: 1651463

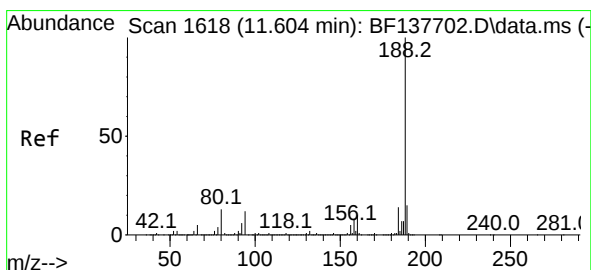
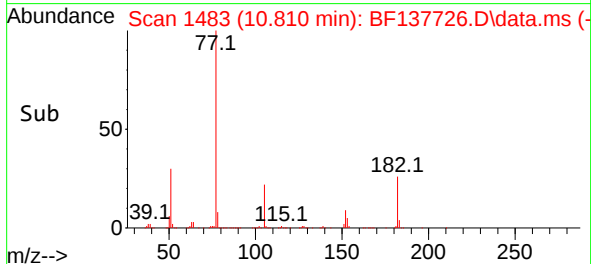
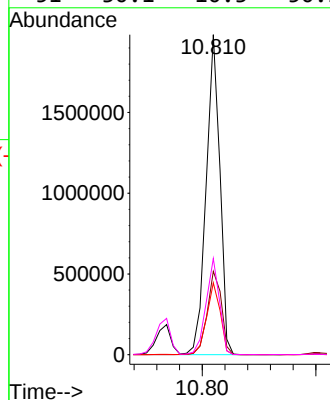
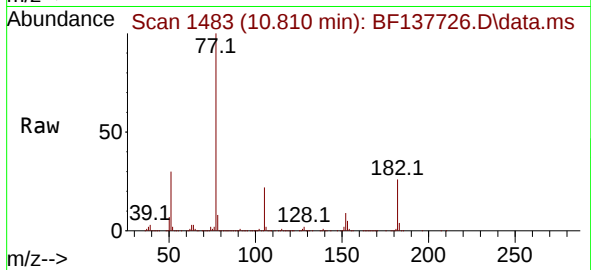
Ion Ratio Lower Upper

77 100

182 26.1 3.1 43.1

105 22.4 1.6 41.6

51 30.1 10.3 50.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.604 min Scan# 1618

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

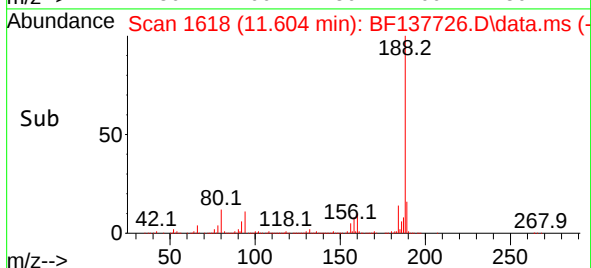
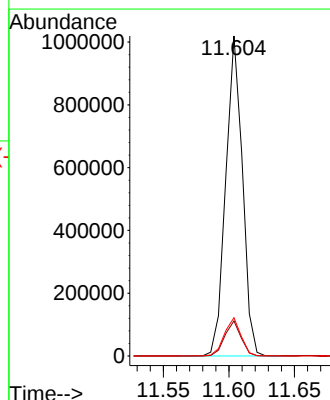
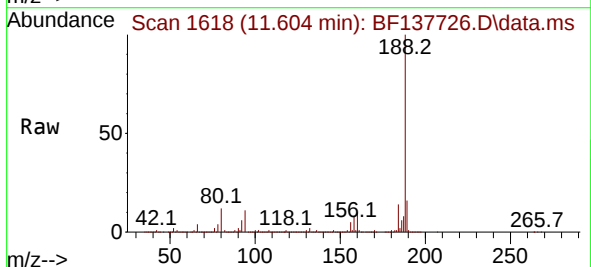
Tgt Ion: 188 Resp: 899529

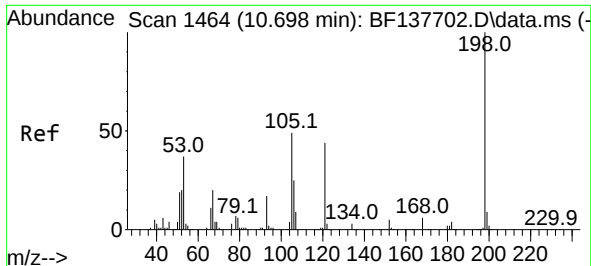
Ion Ratio Lower Upper

188 100

94 11.0 9.4 14.2

80 11.9 10.2 15.4

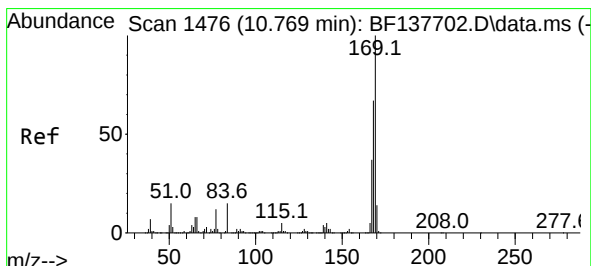
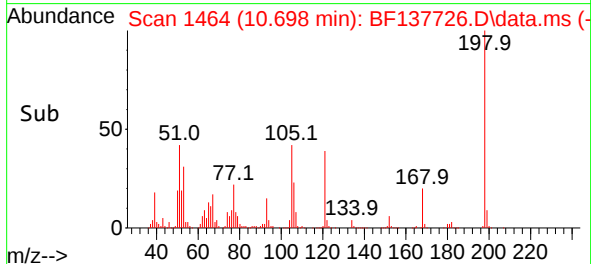
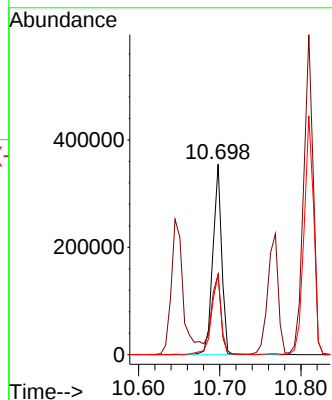
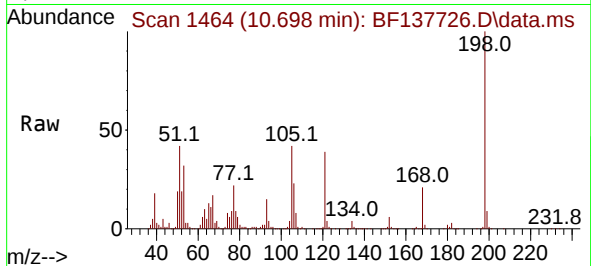




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.965 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

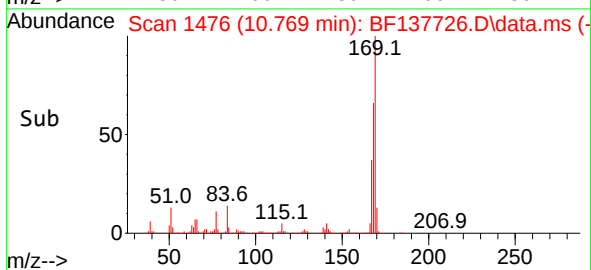
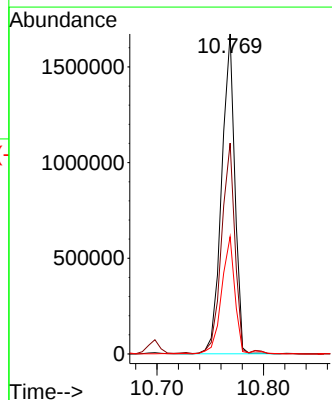
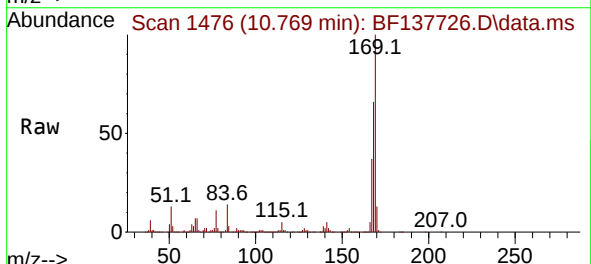
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

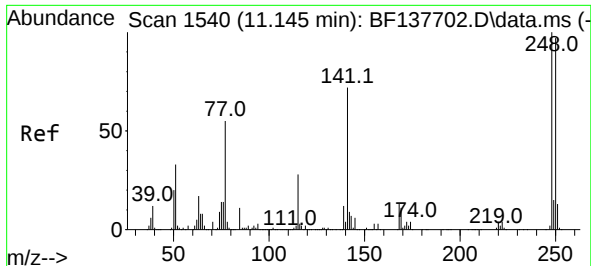
Tgt Ion:198 Resp: 268017  
Ion Ratio Lower Upper  
198 100  
51 42.3 33.5 73.5  
105 41.8 29.3 69.3



#66  
n-Nitrosodiphenylamine  
Concen: 47.019 ng  
RT: 10.769 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:169 Resp: 1432479  
Ion Ratio Lower Upper  
169 100  
168 65.9 53.4 80.2  
167 36.7 29.6 44.4

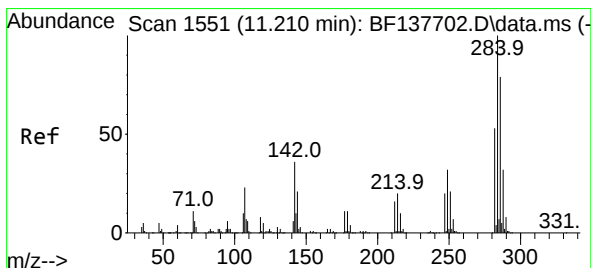
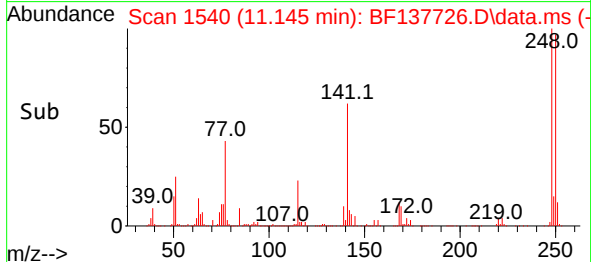
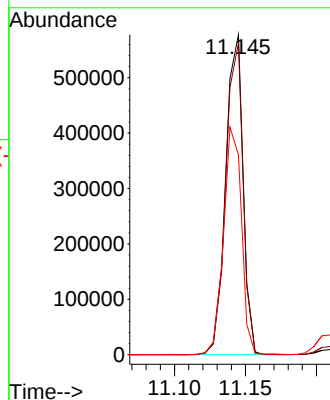
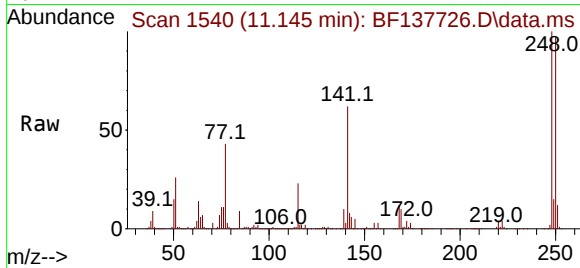




#67  
4-Bromophenyl-phenylether  
Concen: 47.108 ng  
RT: 11.145 min Scan# 1540  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

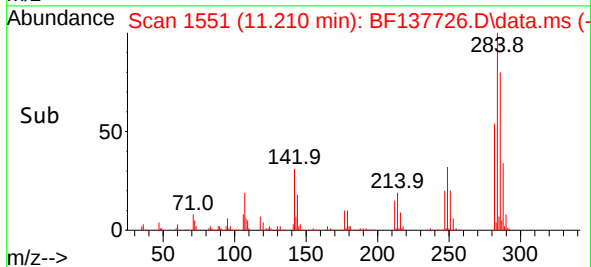
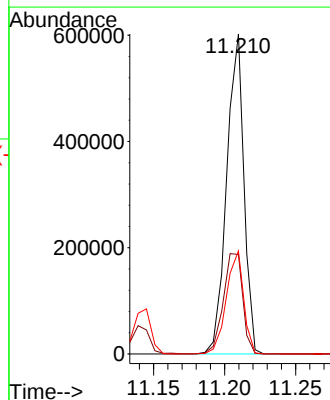
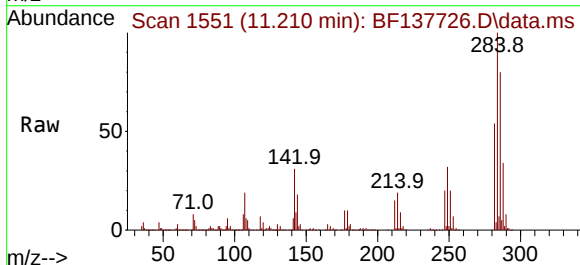
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

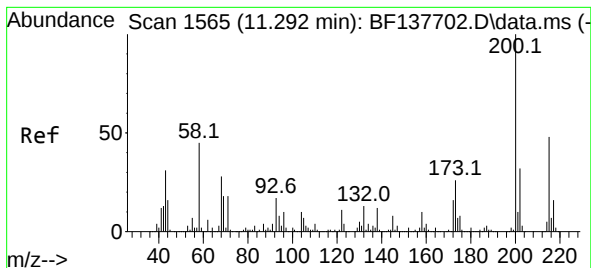
Tgt Ion:248 Resp: 491013  
Ion Ratio Lower Upper  
248 100  
250 97.3 77.4 116.0  
141 62.5 57.9 86.9



#68  
Hexachlorobenzene  
Concen: 50.007 ng  
RT: 11.210 min Scan# 1551  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:284 Resp: 507796  
Ion Ratio Lower Upper  
284 100  
142 31.1 28.5 42.7  
249 32.2 25.6 38.4





#69

Atrazine

Concen: 54.978 ng

RT: 11.292 min Scan# 1565

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

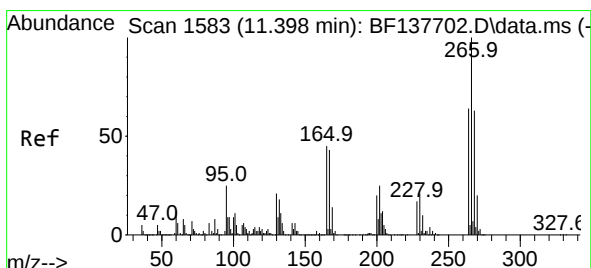
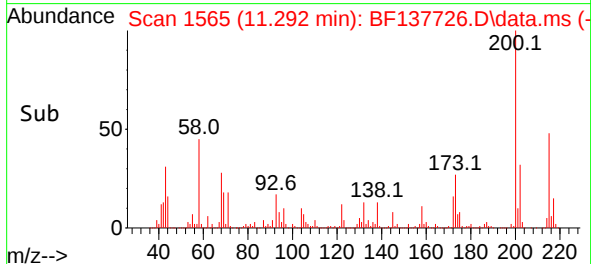
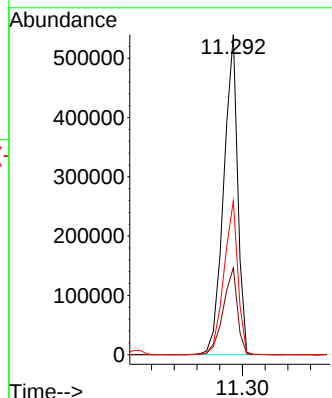
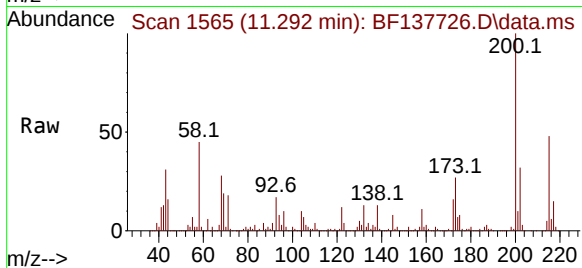
Tgt Ion:200 Resp: 463017

Ion Ratio Lower Upper

200 100

173 27.2 6.3 46.3

215 48.0 28.0 68.0



#70

Pentachlorophenol

Concen: 85.807 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

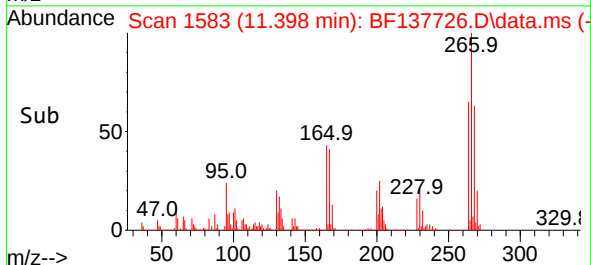
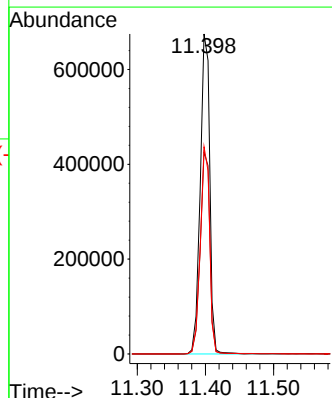
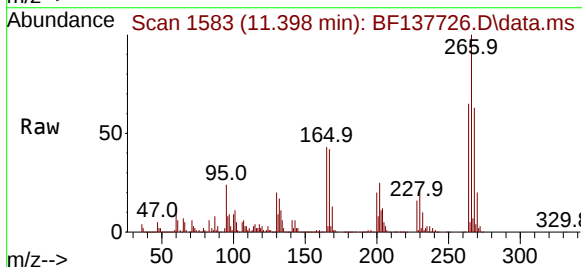
Tgt Ion:266 Resp: 655441

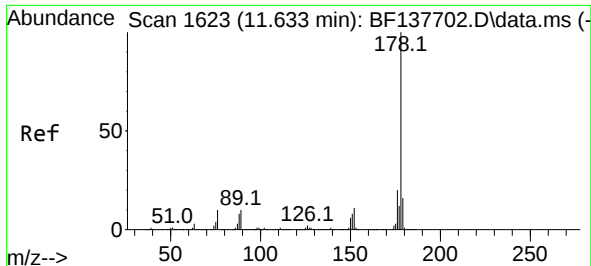
Ion Ratio Lower Upper

266 100

268 63.1 50.4 75.6

264 64.7 51.4 77.0

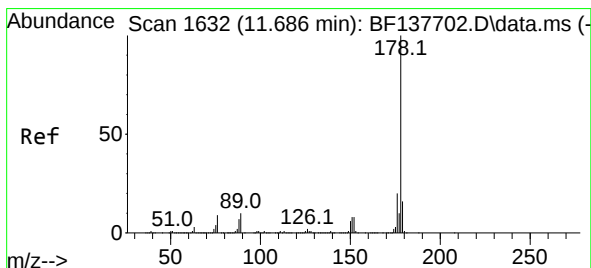
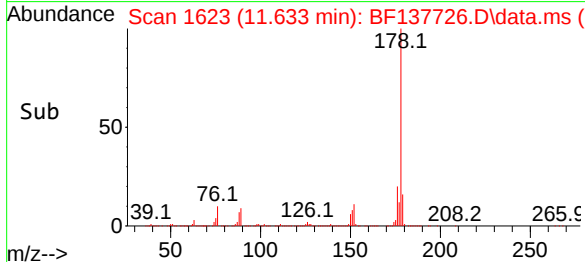
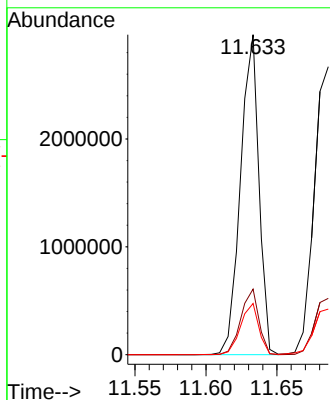
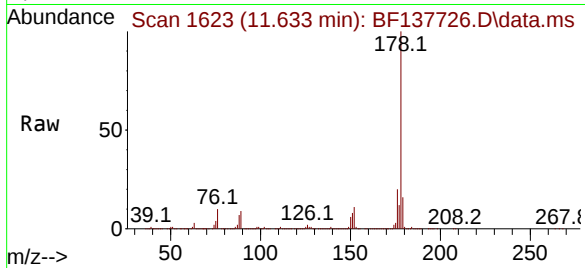




#71  
Phenanthrene  
Concen: 56.435 ng  
RT: 11.633 min Scan# 1623  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

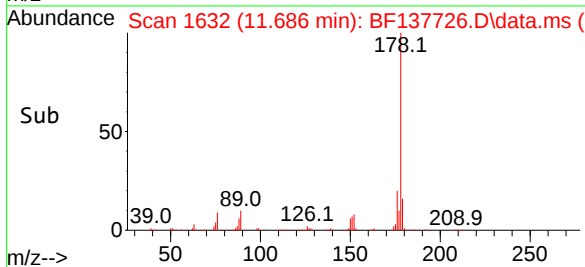
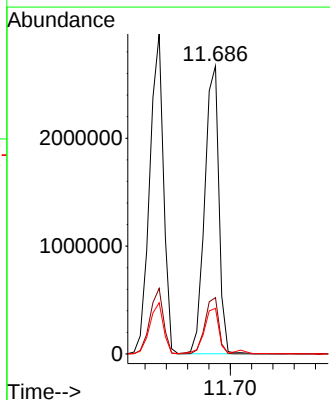
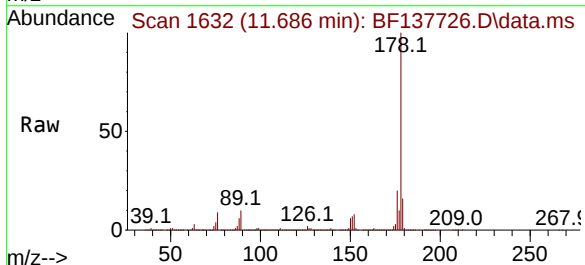
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

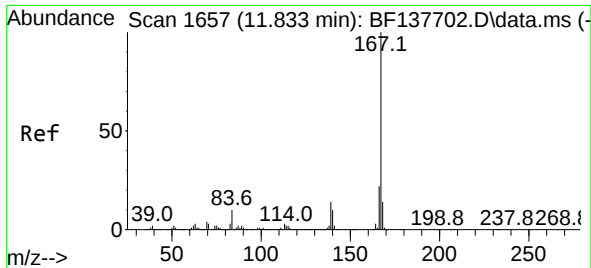
Tgt Ion:178 Resp: 2687243  
Ion Ratio Lower Upper  
178 100  
176 20.5 16.4 24.6  
179 16.0 12.8 19.2



#72  
Anthracene  
Concen: 50.780 ng  
RT: 11.686 min Scan# 1632  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:178 Resp: 2475992  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.8 23.8  
179 15.8 13.0 19.6

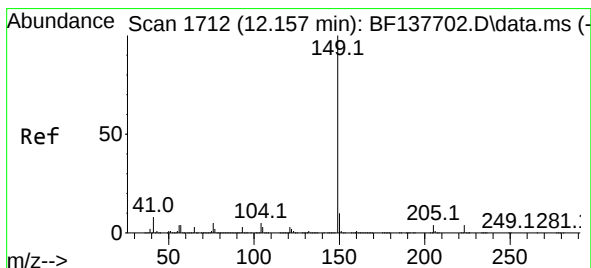
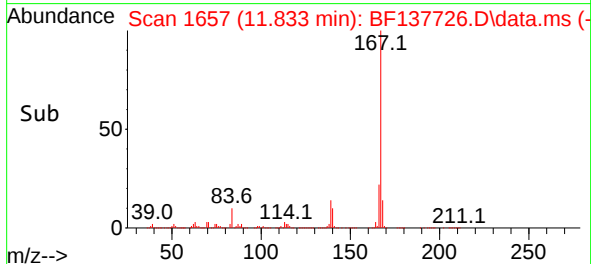
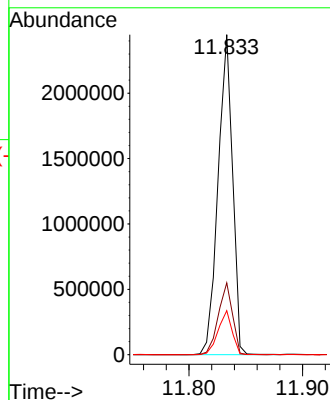
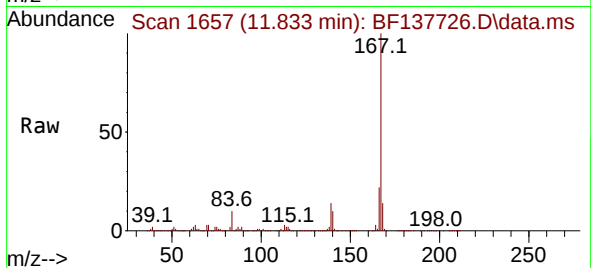




#73  
 Carbazole  
 Concen: 49.210 ng  
 RT: 11.833 min Scan# 1657  
 Delta R.T. -0.000 min  
 Lab File: BF137726.D  
 Acq: 24 Apr 2024 19:24

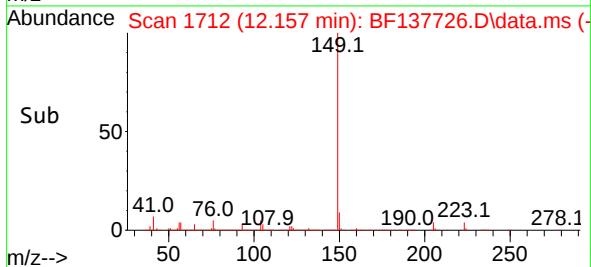
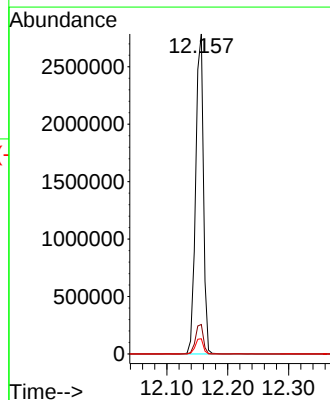
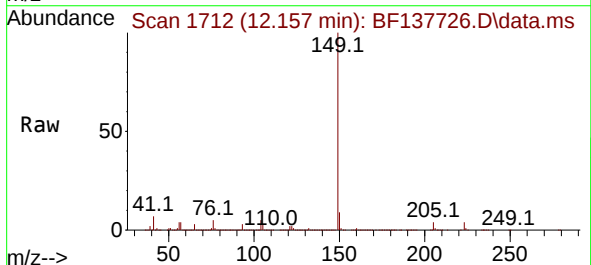
Instrument :  
 BNA\_F  
 ClientSampleId :  
 YARD-3MSD

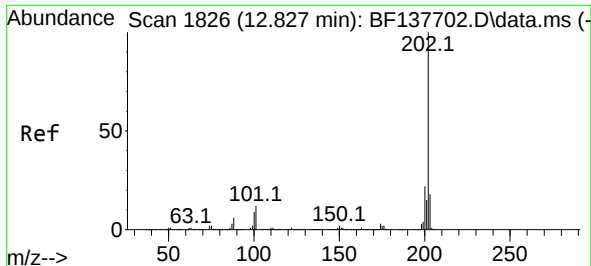
Tgt Ion:167 Resp: 2174520  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 17.5 26.3  
 139 13.7 10.9 16.3



#74  
 Di-n-butylphthalate  
 Concen: 45.635 ng  
 RT: 12.157 min Scan# 1712  
 Delta R.T. -0.000 min  
 Lab File: BF137726.D  
 Acq: 24 Apr 2024 19:24

Tgt Ion:149 Resp: 2458203  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.8 11.6  
 104 4.7 4.2 6.4

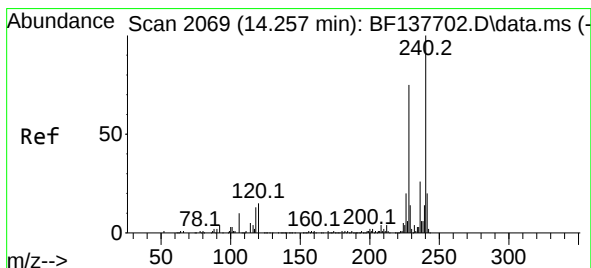
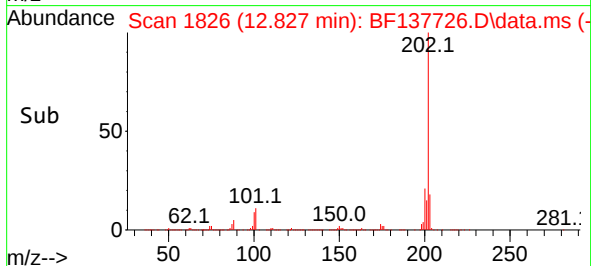
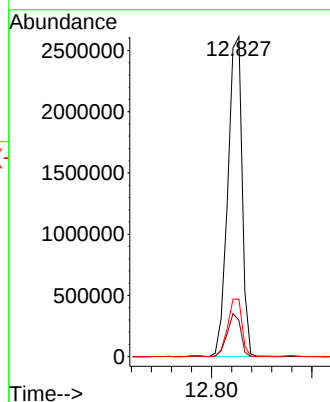
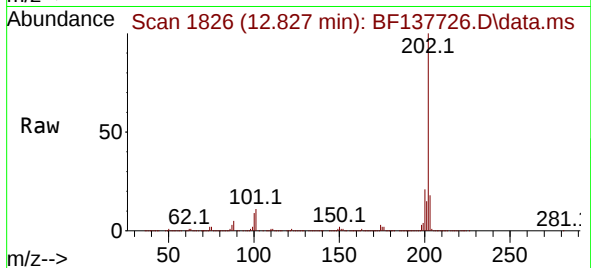




#75  
Fluoranthene  
Concen: 51.341 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

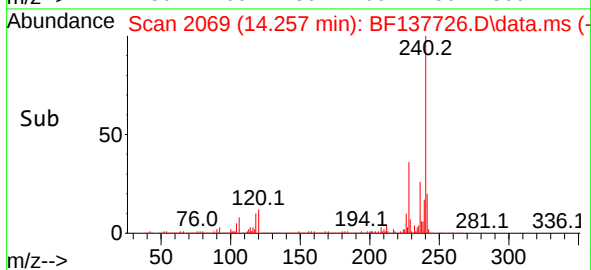
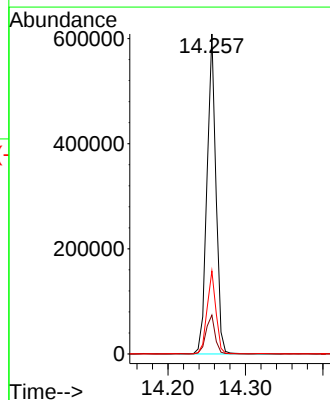
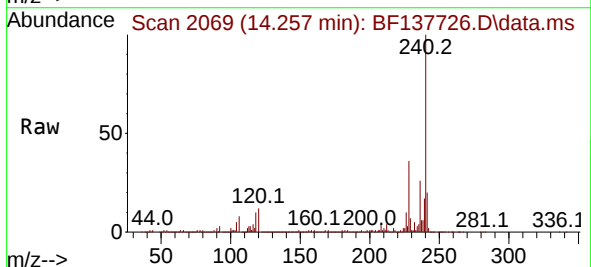
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

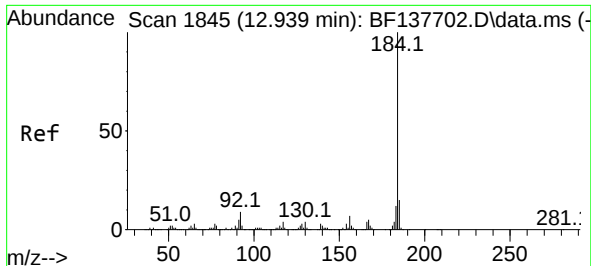
Tgt Ion:202 Resp: 2569631  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 32.2  
203 18.0 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.257 min Scan# 2069  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:240 Resp: 488926  
Ion Ratio Lower Upper  
240 100  
120 12.1 11.9 17.9  
236 25.9 20.8 31.2

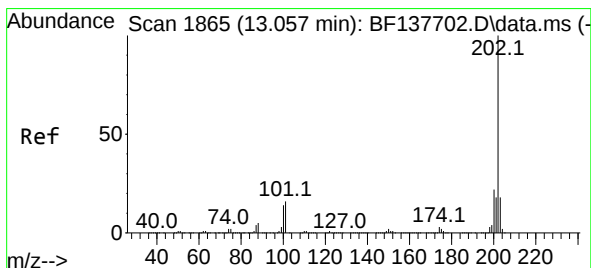
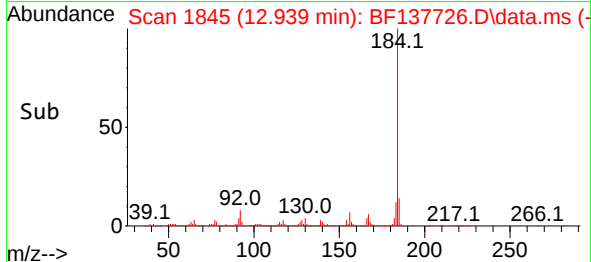
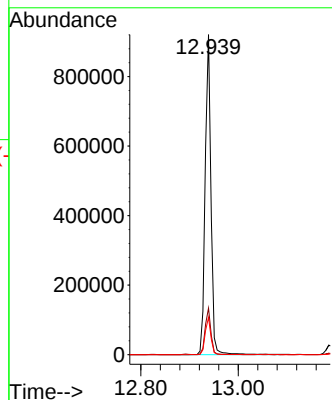
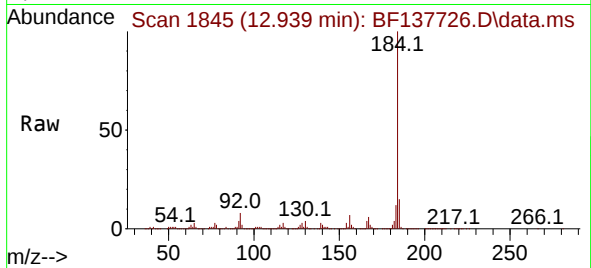




#77  
Benzidine  
Concen: 66.586 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

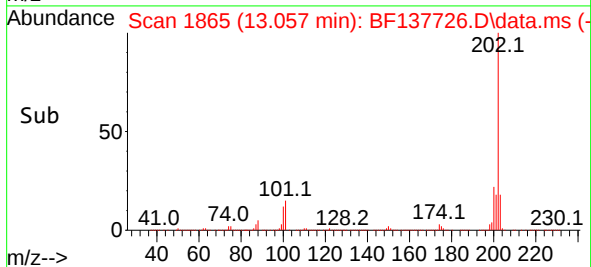
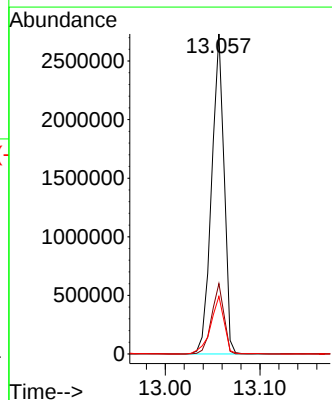
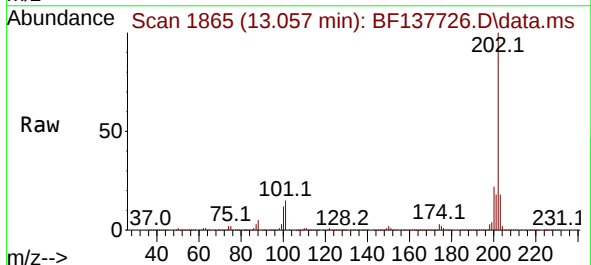
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

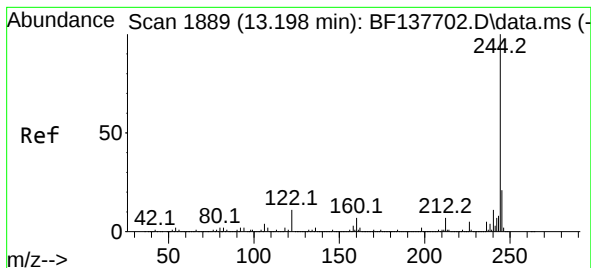
Tgt Ion:184 Resp: 760388  
Ion Ratio Lower Upper  
184 100  
185 14.6 12.2 18.4  
183 11.7 9.4 14.0



#78  
Pyrene  
Concen: 61.892 ng  
RT: 13.057 min Scan# 1865  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:202 Resp: 2483761  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.8 26.6  
203 18.0 14.6 21.8





#79

Terphenyl-d14

Concen: 65.027 ng

RT: 13.186 min Scan# 1887

Delta R.T. -0.012 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

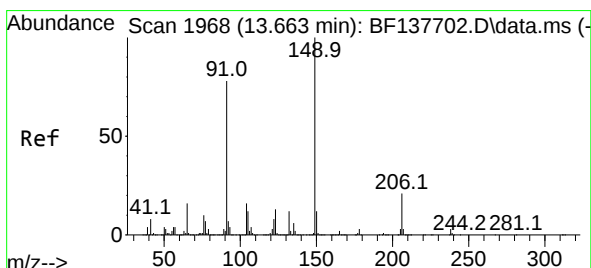
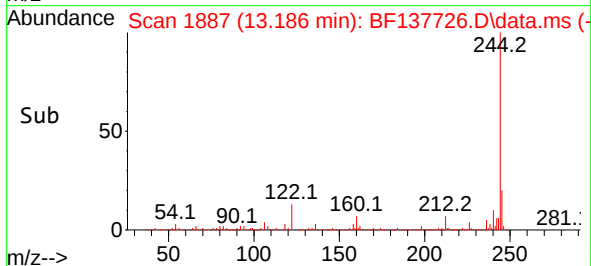
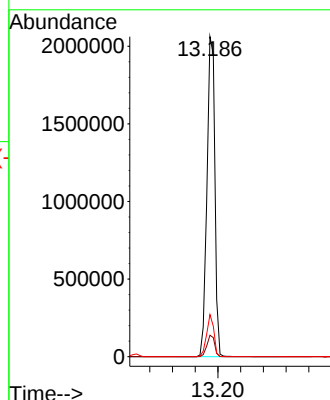
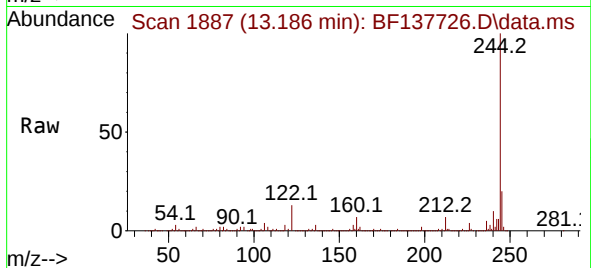
Tgt Ion:244 Resp: 1975290

Ion Ratio Lower Upper

244 100

212 6.7 5.5 8.3

122 13.1 8.8 13.2



#80

Butylbenzylphthalate

Concen: 57.367 ng

RT: 13.662 min Scan# 1968

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

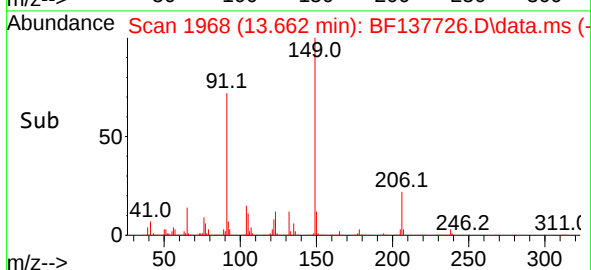
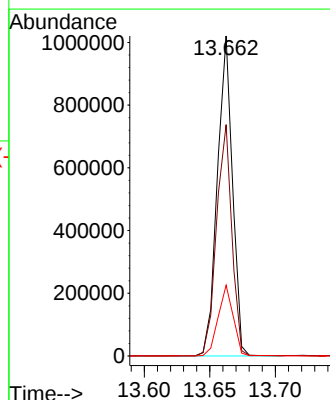
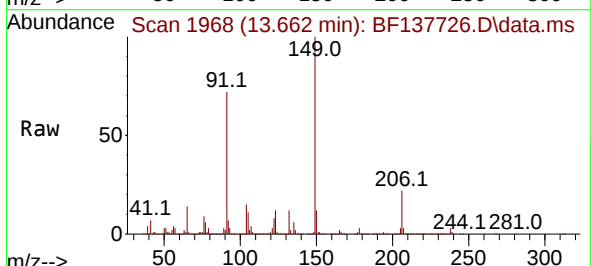
Tgt Ion:149 Resp: 816407

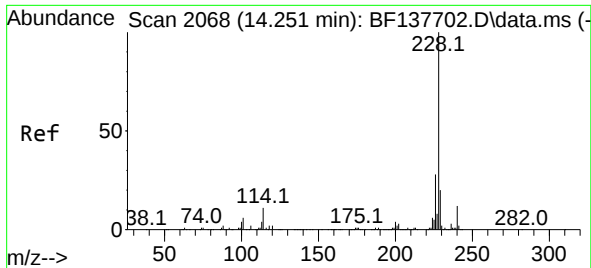
Ion Ratio Lower Upper

149 100

91 72.3 62.6 93.8

206 22.1 16.5 24.7

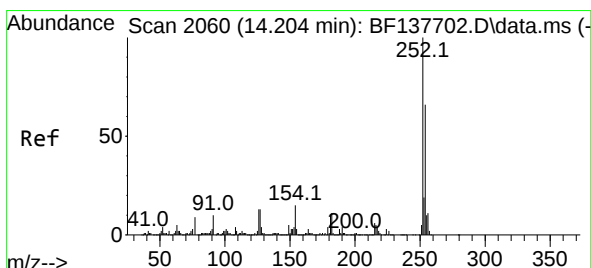
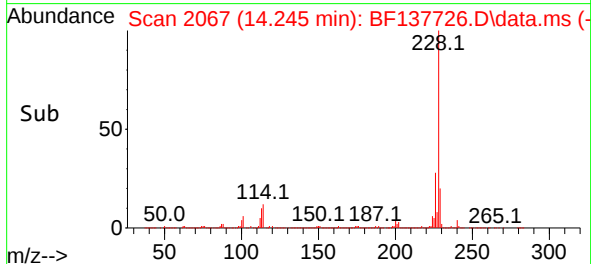
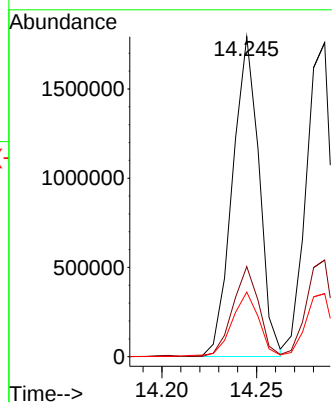
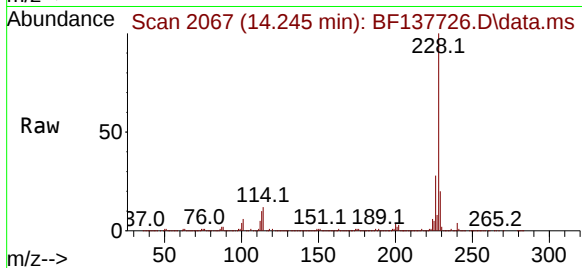




#81  
Benzo(a)anthracene  
Concen: 51.288 ng  
RT: 14.245 min Scan# 2067  
Delta R.T. -0.006 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

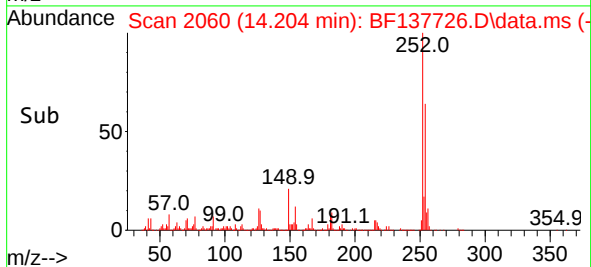
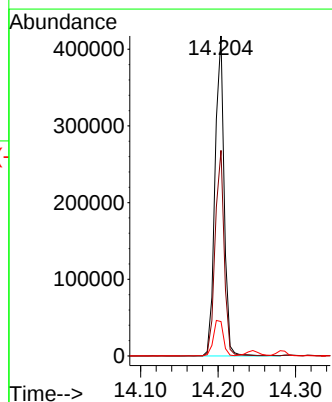
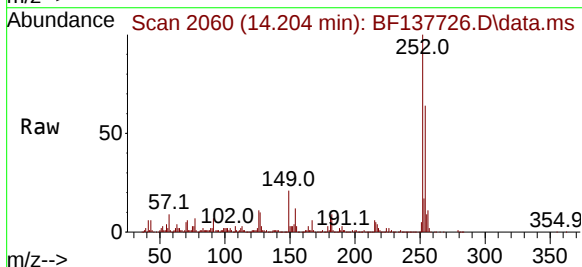
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

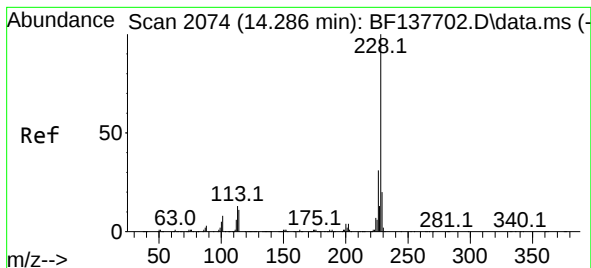
Tgt Ion:228 Resp: 1749015  
Ion Ratio Lower Upper  
228 100  
226 28.2 22.7 34.1  
229 20.2 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 32.382 ng  
RT: 14.204 min Scan# 2060  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:252 Resp: 341670  
Ion Ratio Lower Upper  
252 100  
254 64.3 52.6 79.0  
126 10.8 10.8 16.2#





#83

Chrysene

Concen: 50.859 ng

RT: 14.286 min Scan# 2074

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

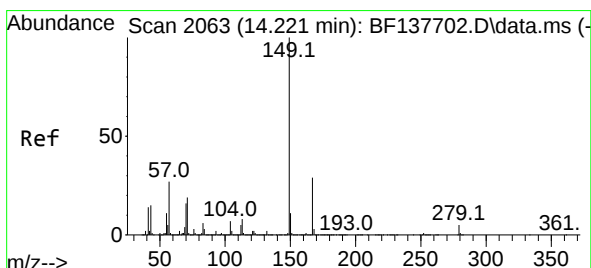
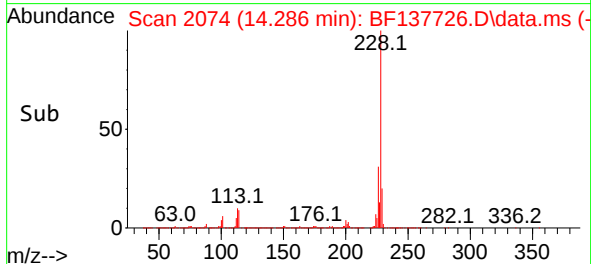
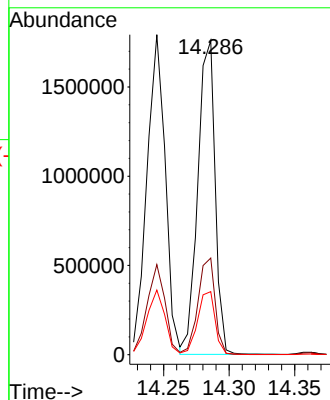
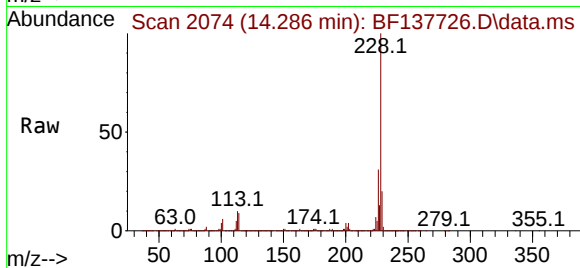
Tgt Ion:228 Resp: 1620516

Ion Ratio Lower Upper

228 100

226 30.8 24.7 37.1

229 20.1 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.262 ng

RT: 14.215 min Scan# 2062

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

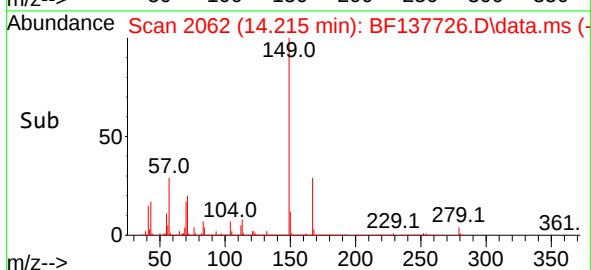
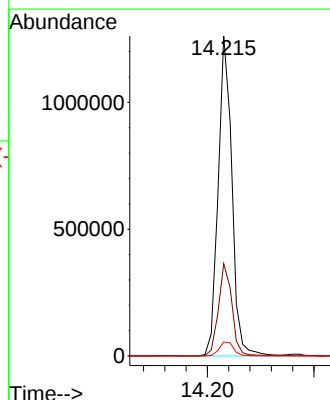
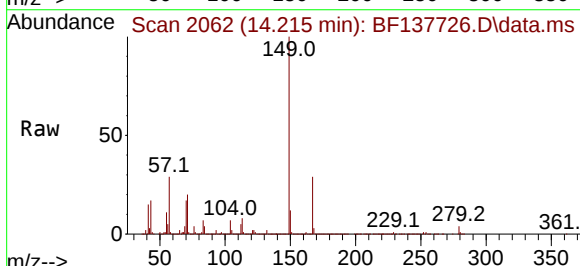
Tgt Ion:149 Resp: 1123225

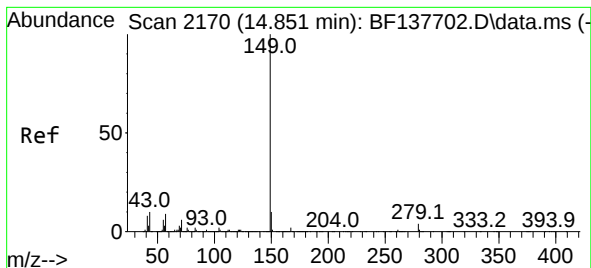
Ion Ratio Lower Upper

149 100

167 28.8 23.4 35.0

279 4.4 4.0 6.0





#85

Di-n-octyl phthalate

Concen: 51.695 ng

RT: 14.851 min Scan# 2170

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

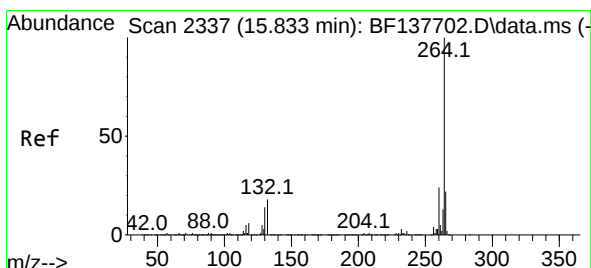
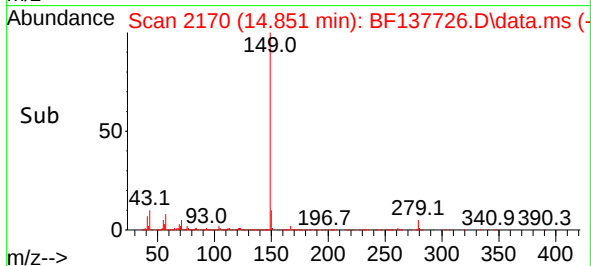
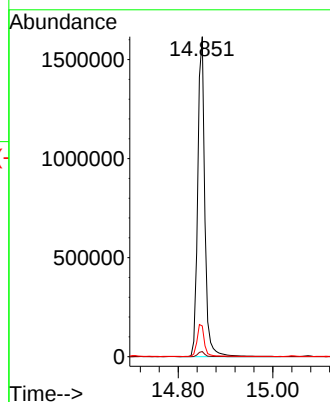
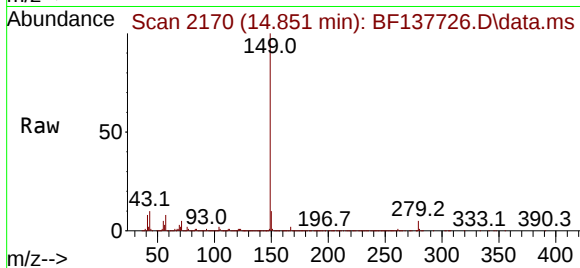
Tgt Ion:149 Resp: 1668908

Ion Ratio Lower Upper

149 100

167 1.7 1.2 1.8

43 10.5 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.827 min Scan# 2336

Delta R.T. -0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

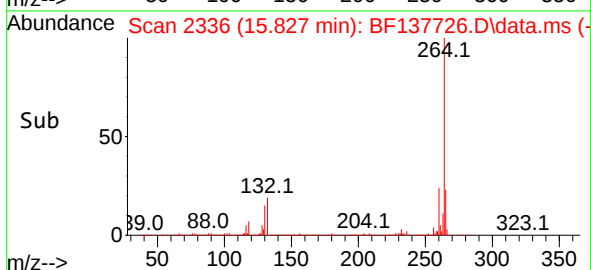
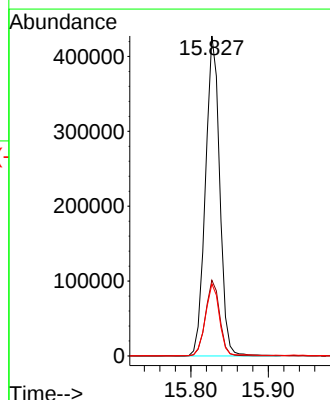
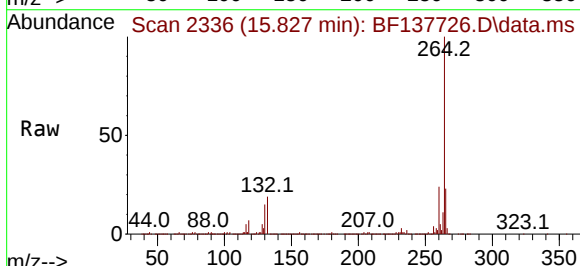
Tgt Ion:264 Resp: 545928

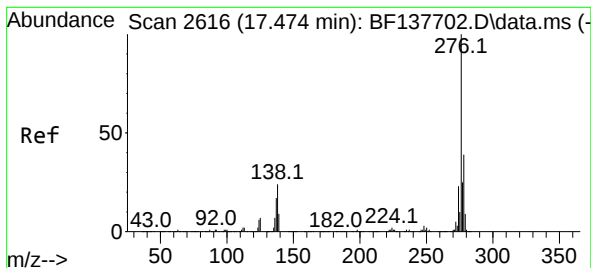
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 22.5 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 60.722 ng

RT: 17.474 min Scan# 2

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

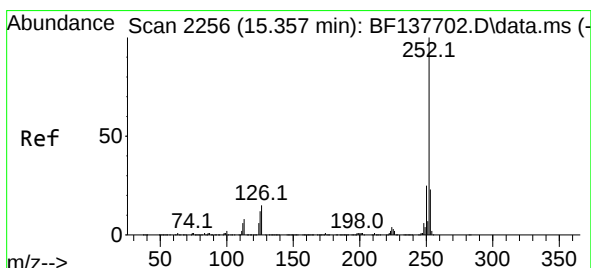
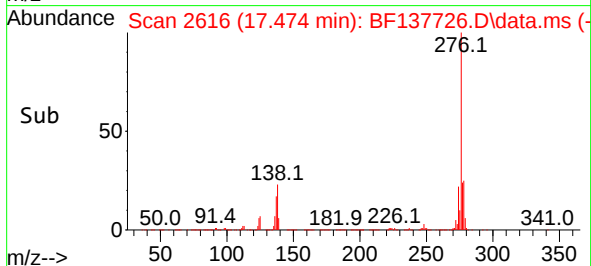
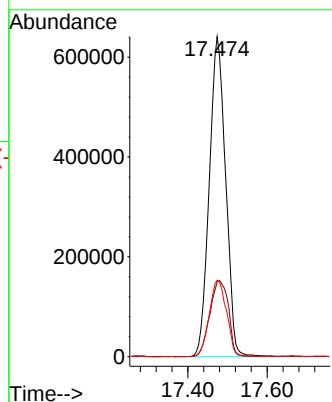
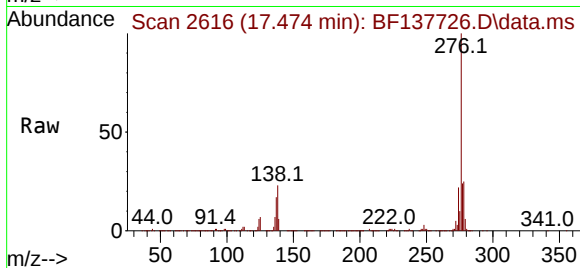
Tgt Ion:276 Resp: 1838078

Ion Ratio Lower Upper

276 100

138 27.2 22.3 33.5

277 25.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 46.341 ng

RT: 15.356 min Scan# 2256

Delta R.T. -0.000 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

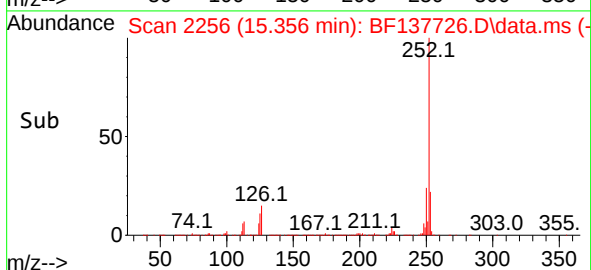
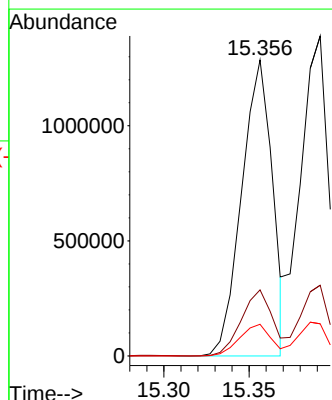
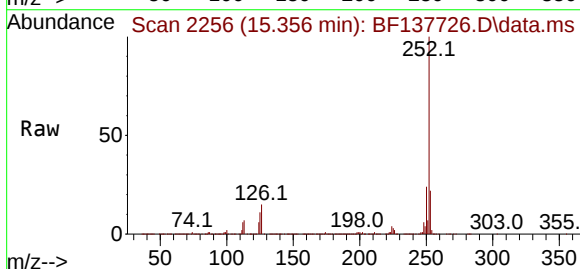
Tgt Ion:252 Resp: 1618902

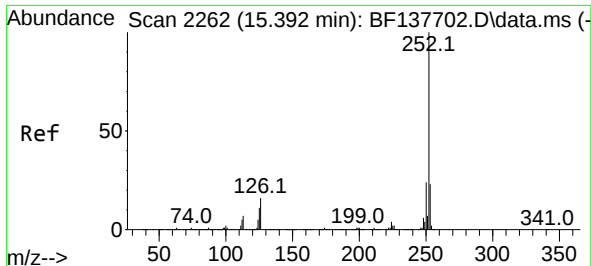
Ion Ratio Lower Upper

252 100

253 22.3 18.1 27.1

125 10.7 9.2 13.8

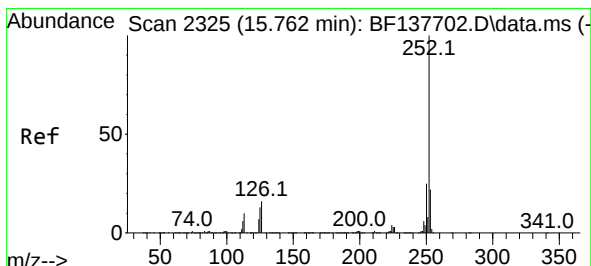
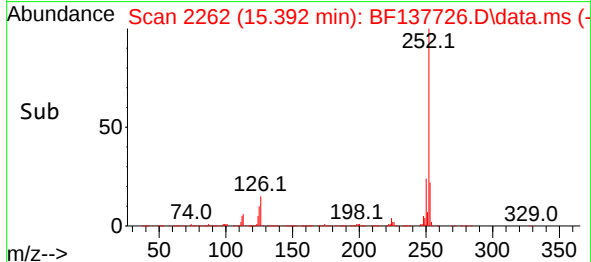
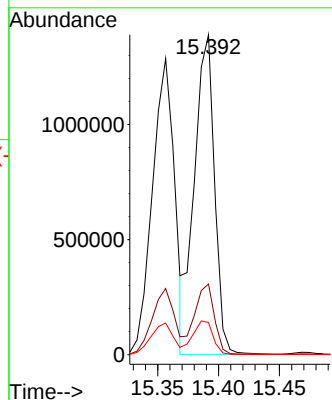
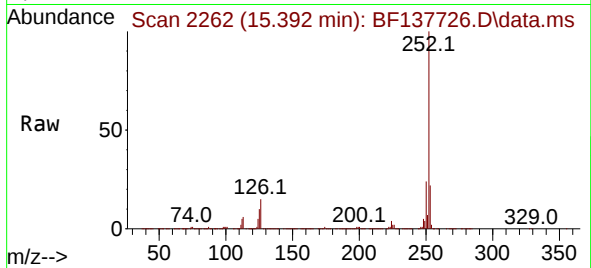




#89  
Benzo(k)fluoranthene  
Concen: 46.469 ng  
RT: 15.392 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

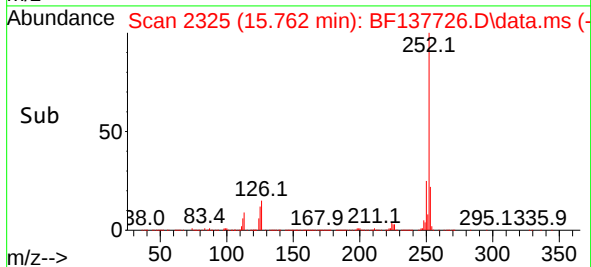
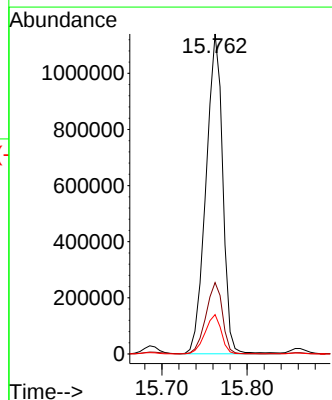
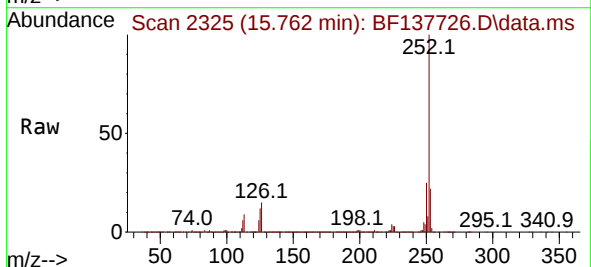
Instrument :  
BNA\_F  
ClientSampleId :  
YARD-3MSD

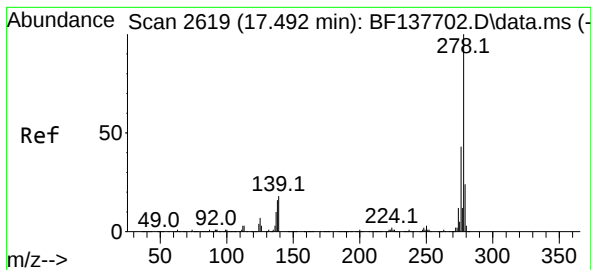
Tgt Ion:252 Resp: 1595761  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.0 27.0  
125 10.1 9.0 13.6



#90  
Benzo(a)pyrene  
Concen: 49.511 ng  
RT: 15.762 min Scan# 2325  
Delta R.T. -0.000 min  
Lab File: BF137726.D  
Acq: 24 Apr 2024 19:24

Tgt Ion:252 Resp: 1551610  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 12.3 10.2 15.2





#91

Dibenzo(a,h)anthracene

Concen: 58.808 ng

RT: 17.497 min Scan# 2

Delta R.T. 0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Instrument :

BNA\_F

ClientSampleId :

YARD-3MSD

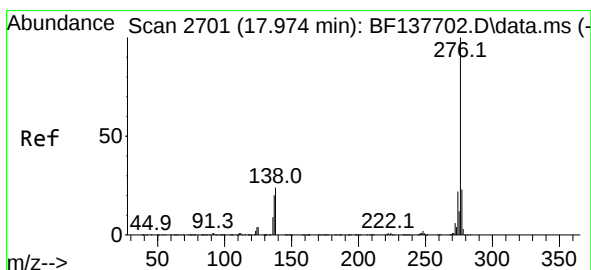
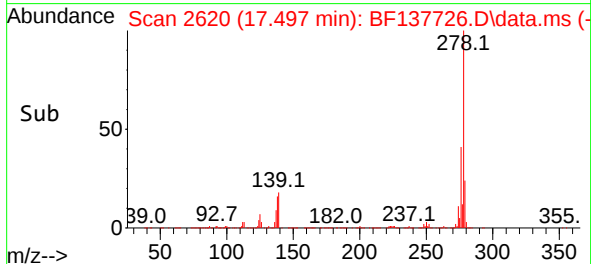
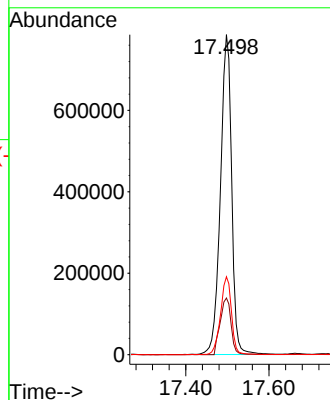
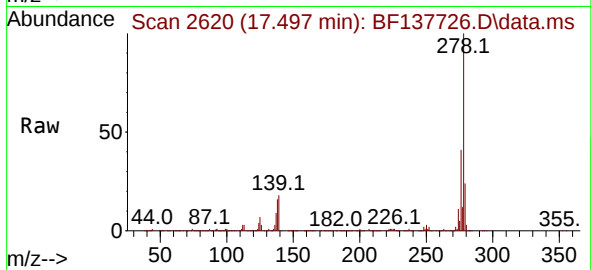
Tgt Ion:278 Resp: 1477255

Ion Ratio Lower Upper

278 100

139 17.7 14.7 22.1

279 24.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 55.634 ng

RT: 17.980 min Scan# 2702

Delta R.T. 0.006 min

Lab File: BF137726.D

Acq: 24 Apr 2024 19:24

Tgt Ion:276 Resp: 1358945

Ion Ratio Lower Upper

276 100

277 24.0 18.5 27.7

138 23.1 19.5 29.3

