

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030524\  
 Data File : BF137500.D  
 Acq On : 05 Mar 2024 14:55  
 Operator : CG\JU  
 Sample : PB159437BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB159437BS

Quant Time: Mar 05 15:18:44 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 00:26:53 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.863  | 152  | 241156   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.139  | 136  | 993842   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.898  | 164  | 546190   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.392 | 188  | 959824   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.057 | 240  | 505678   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.580 | 264  | 456854   | 20.000 | ng    | 0.01     |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.534  | 112 | 2054685 | 129.041 | ng | 0.02 |
| 7) Phenol-d6                | 6.516  | 99  | 2860710 | 124.465 | ng | 0.01 |
| 23) Nitrobenzene-d5         | 7.428  | 82  | 1816913 | 84.944  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.698 | 330 | 697619  | 145.444 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.222  | 172 | 2802623 | 80.322  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.992 | 244 | 3215214 | 87.432  | ng | 0.00 |

|                               |       |     |         |        |        |      |
|-------------------------------|-------|-----|---------|--------|--------|------|
| Target Compounds              |       |     |         |        | Qvalue |      |
| 2) 1,4-Dioxane                | 2.799 | 88  | 324520  | 37.274 | ng     | 99   |
| 3) Pyridine                   | 3.569 | 79  | 737418  | 35.119 | ng     | 99   |
| 4) n-Nitrosodimethylamine     | 3.551 | 42  | 396339  | 46.708 | ng     | 99   |
| 6) Aniline                    | 6.534 | 93  | 700133  | 24.930 | ng     | # 82 |
| 8) 2-Chlorophenol             | 6.651 | 128 | 833198  | 49.612 | ng     | 96   |
| 9) Benzaldehyde               | 6.422 | 77  | 60832   | 5.402  | ng     | 97   |
| 10) Phenol                    | 6.528 | 94  | 1116170 | 45.119 | ng     | 89   |
| 11) bis(2-Chloroethyl)ether   | 6.604 | 93  | 854353  | 47.128 | ng     | 97   |
| 12) 1,3-Dichlorobenzene       | 6.804 | 146 | 836414  | 46.607 | ng     | 98   |
| 13) 1,4-Dichlorobenzene       | 6.881 | 146 | 851413  | 46.369 | ng     | 99   |
| 14) 1,2-Dichlorobenzene       | 7.028 | 146 | 799293  | 47.426 | ng     | 98   |
| 15) Benzyl Alcohol            | 7.010 | 79  | 769772  | 53.797 | ng     | 98   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134 | 45  | 1367292 | 43.878 | ng     | 94   |
| 17) 2-Methylphenol            | 7.122 | 107 | 690733  | 43.954 | ng     | 97   |
| 18) Hexachloroethane          | 7.369 | 117 | 289159  | 47.827 | ng     | 100  |
| 19) n-Nitroso-di-n-propyla... | 7.281 | 70  | 621190  | 43.768 | ng     | 99   |
| 20) 3+4-Methylphenols         | 7.275 | 107 | 776369  | 43.136 | ng     | 91   |
| 22) Acetophenone              | 7.269 | 105 | 1091224 | 45.380 | ng     | # 97 |
| 24) Nitrobenzene              | 7.445 | 77  | 943605  | 43.915 | ng     | 99   |
| 25) Isophorone                | 7.681 | 82  | 1821308 | 44.820 | ng     | 99   |
| 26) 2-Nitrophenol             | 7.757 | 139 | 419184  | 49.139 | ng     | 99   |
| 27) 2,4-Dimethylphenol        | 7.798 | 122 | 619277  | 38.851 | ng     | 99   |
| 28) bis(2-Chloroethoxy)met... | 7.892 | 93  | 1077294 | 45.184 | ng     | 99   |
| 29) 2,4-Dichlorophenol        | 7.998 | 162 | 691950  | 47.300 | ng     | 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.081 | 180 | 706414  | 45.887 | ng     | 100  |
| 31) Naphthalene               | 8.157 | 128 | 2278702 | 42.734 | ng     | 100  |
| 32) Benzoic acid              | 7.951 | 122 | 432250  | 47.209 | ng     | 99   |
| 33) 4-Chloroaniline           | 8.210 | 127 | 273177  | 13.065 | ng     | 98   |
| 34) Hexachlorobutadiene       | 8.275 | 225 | 404094  | 44.461 | ng     | 99   |
| 35) Caprolactam               | 8.598 | 113 | 129260  | 26.058 | ng     | 93   |
| 36) 4-Chloro-3-methylphenol   | 8.704 | 107 | 755787  | 46.219 | ng     | 100  |
| 37) 2-Methylnaphthalene       | 8.851 | 142 | 1414409 | 41.609 | ng     | 99   |
| 38) 1-Methylnaphthalene       | 8.951 | 142 | 1336803 | 41.759 | ng     | 99   |
| 40) 1,2,4,5-Tetrachloroben... | 9.016 | 216 | 692861  | 45.439 | ng     | 99   |
| 41) Hexachlorocyclopentadiene | 9.004 | 237 | 590392  | 93.344 | ng     | 99   |
| 43) 2,4,6-Trichlorophenol     | 9.133 | 196 | 481354  | 48.476 | ng     | 99   |

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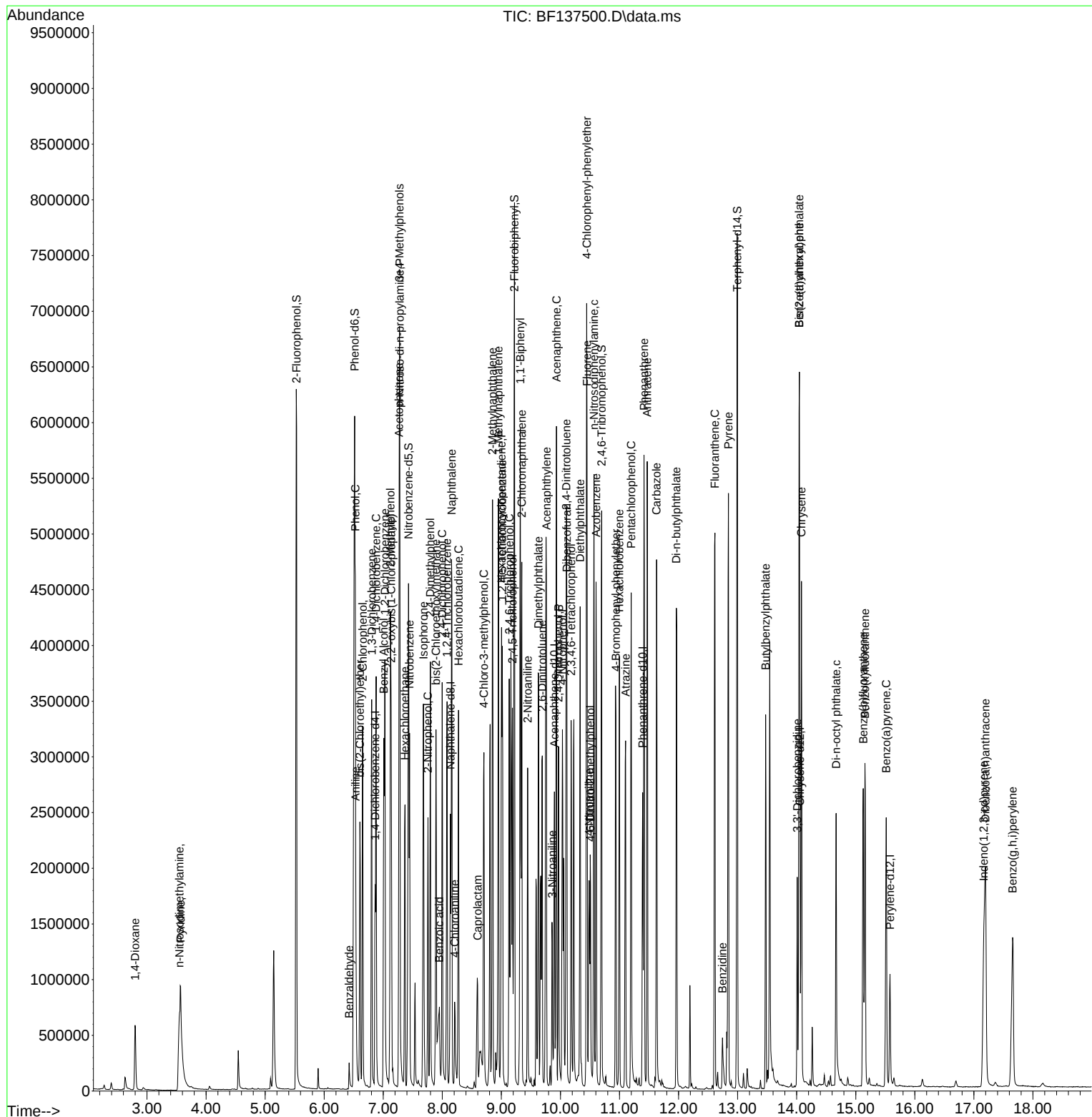
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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 485048   | 42.405 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 1747583  | 43.716 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 1390235  | 45.613 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.445  | 65   | 512718   | 49.493 | ng    | 94       |
| 49) Acenaphthylene            | 9.763  | 152  | 2195679  | 45.015 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 1690509  | 44.462 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 377749   | 47.501 | ng    | 90       |
| 52) Acenaphthene              | 9.933  | 154  | 1229734  | 42.230 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 240596   | 28.603 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 391678   | 98.822 | ng    | 94       |
| 55) Dibenzofuran              | 10.110 | 168  | 1861882  | 41.980 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 567081   | 93.923 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 460747   | 47.158 | ng    | 93       |
| 58) Fluorene                  | 10.451 | 166  | 1427385  | 41.906 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.180 | 232  | 432369   | 47.137 | ng    | 98       |
| 60) Diethylphthalate          | 10.333 | 149  | 1578392  | 43.961 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 692602   | 41.490 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 341511   | 47.237 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 1798359  | 43.498 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 276166   | 51.624 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 1316925  | 42.608 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 458323   | 43.841 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 502098   | 47.552 | ng    | 95       |
| 69) Atrazine                  | 11.104 | 200  | 389379   | 41.442 | ng    | 98       |
| 70) Pentachlorophenol         | 11.198 | 266  | 569085   | 89.156 | ng    | 100      |
| 71) Phenanthrene              | 11.416 | 178  | 2209728  | 42.303 | ng    | 98       |
| 72) Anthracene                | 11.469 | 178  | 2237970  | 41.715 | ng    | 99       |
| 73) Carbazole                 | 11.627 | 167  | 2031993  | 44.218 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 2400828  | 43.911 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 2202954  | 43.145 | ng    | 97       |
| 77) Benzidine                 | 12.745 | 184  | 252829   | 20.430 | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 2246752  | 45.281 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 715639   | 56.475 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1600589  | 45.160 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.010 | 252  | 378310   | 40.082 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 1597174  | 44.587 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 859661   | 53.374 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 1450013  | 46.863 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.168 | 276  | 1502652  | 49.982 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.127 | 252  | 1339054  | 49.549 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.157 | 252  | 1366144  | 47.064 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.515 | 252  | 1245334  | 46.762 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.198 | 278  | 1210847  | 49.649 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.656 | 276  | 1226921  | 48.986 | ng    | 99       |

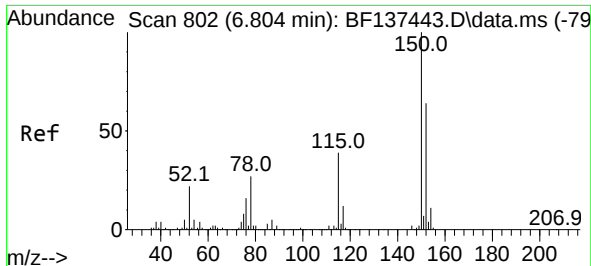
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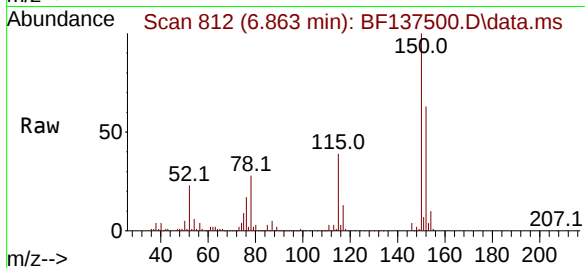
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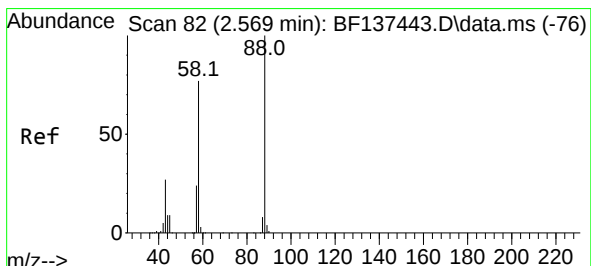
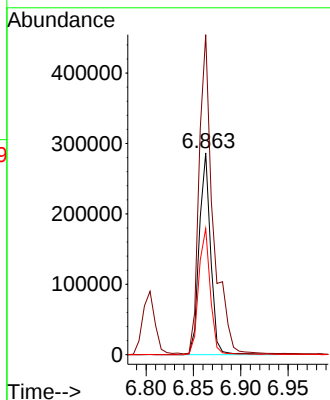
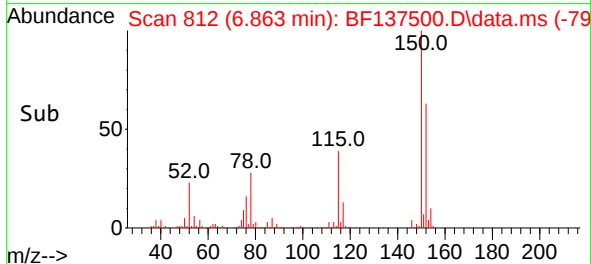


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.863 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

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BNA\_F  
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PB159437BS

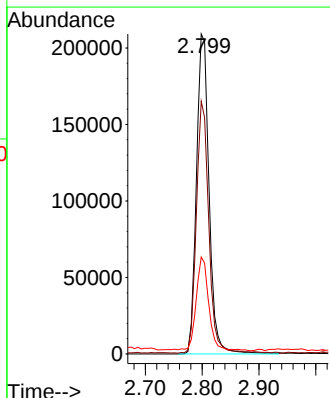
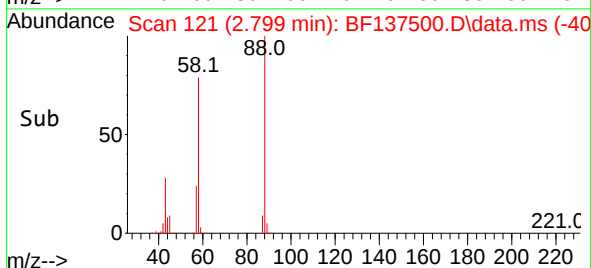
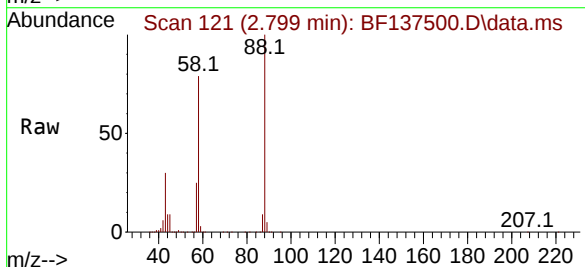


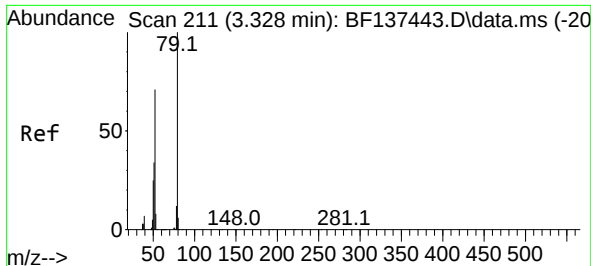
Tgt Ion:152 Resp: 241156  
Ion Ratio Lower Upper  
152 100  
150 158.5 125.8 188.6  
115 62.4 48.8 73.2



#2  
1,4-Dioxane  
Concen: 37.274 ng  
RT: 2.799 min Scan# 121  
Delta R.T. 0.124 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 88 Resp: 324520  
Ion Ratio Lower Upper  
88 100  
58 77.1 61.8 92.8  
43 29.5 22.2 33.4

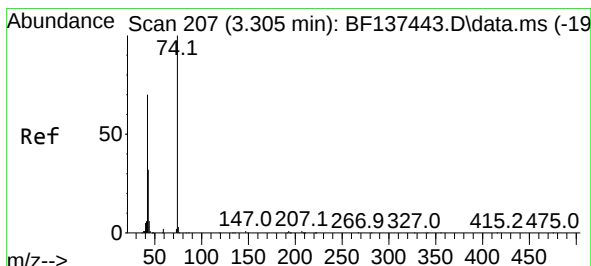
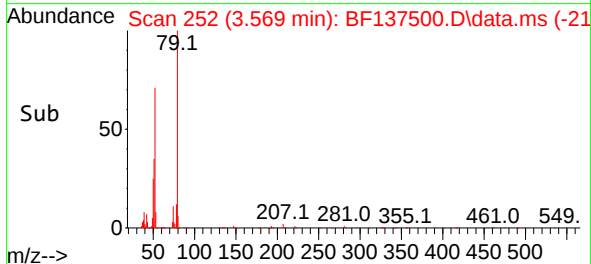
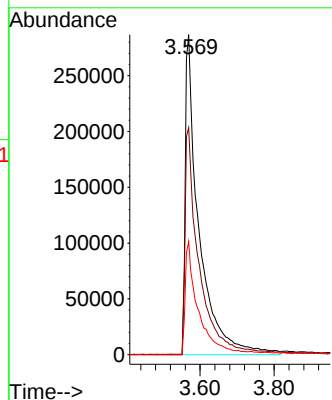
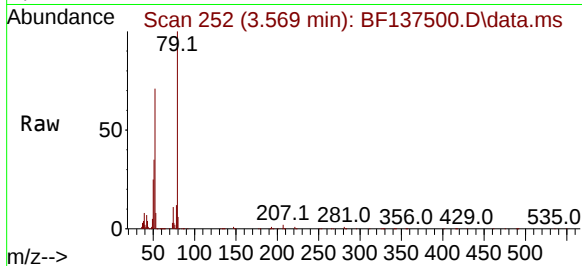




#3  
Pyridine  
Concen: 35.119 ng  
RT: 3.569 min Scan# 211  
Delta R.T. 0.106 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

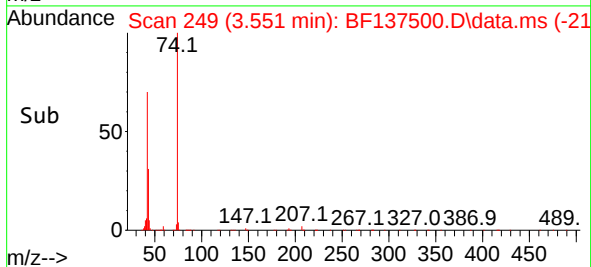
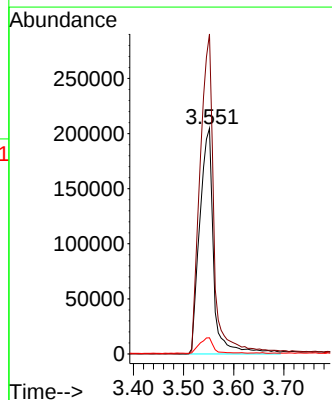
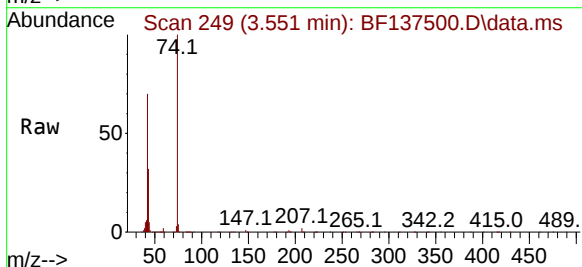
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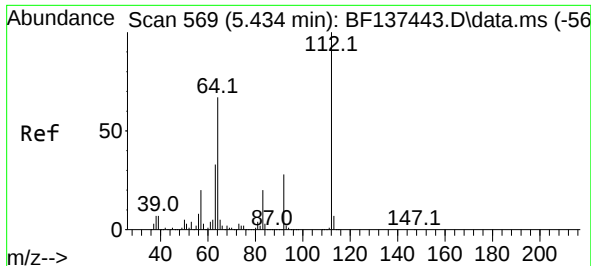
Tgt Ion: 79 Resp: 737418  
Ion Ratio Lower Upper  
79 100  
52 70.9 57.0 85.4  
51 35.3 27.5 41.3



#4  
n-Nitrosodimethylamine  
Concen: 46.708 ng  
RT: 3.551 min Scan# 249  
Delta R.T. 0.106 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 42 Resp: 396339  
Ion Ratio Lower Upper  
42 100  
74 141.9 114.0 171.0  
44 7.2 7.0 10.4

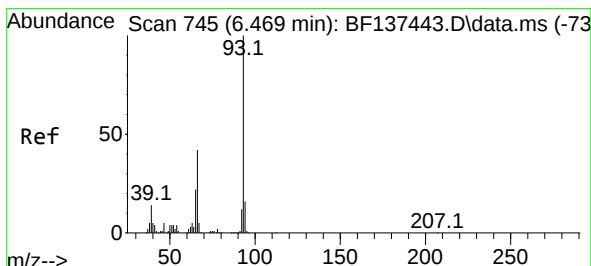
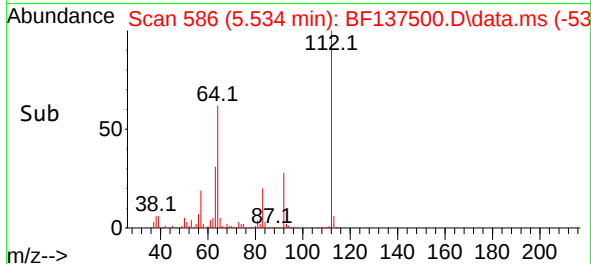
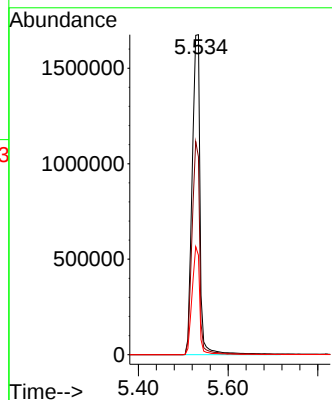
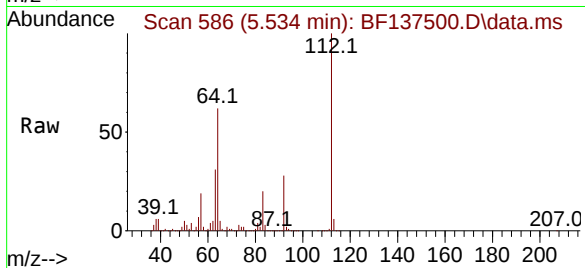




#5  
2-Fluorophenol  
Concen: 129.041 ng  
RT: 5.534 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

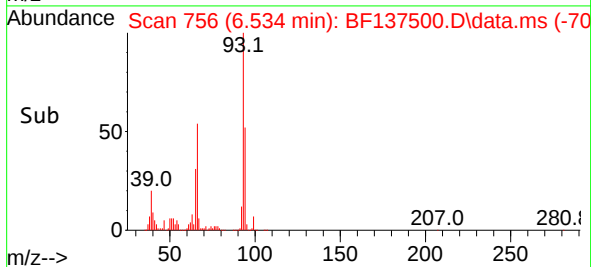
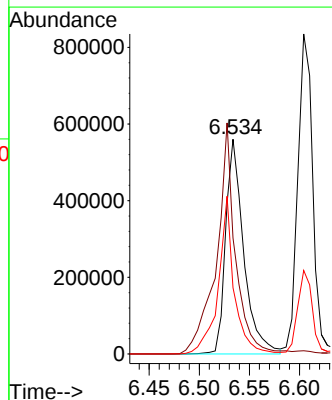
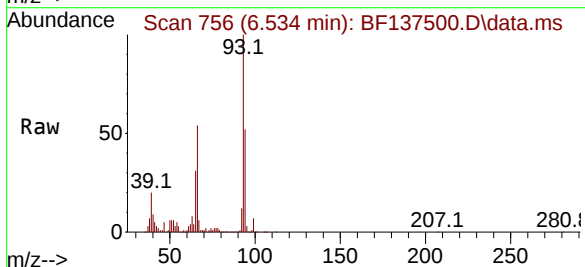
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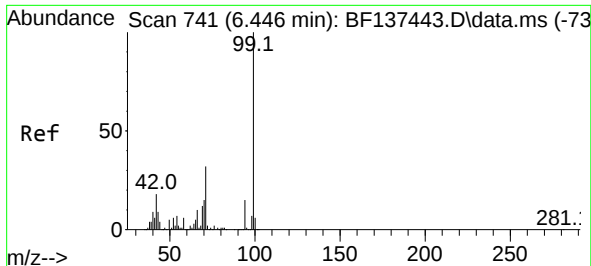
Tgt Ion:112 Resp: 2054685  
Ion Ratio Lower Upper  
112 100  
64 61.9 53.4 80.2  
63 31.1 26.2 39.2



#6  
Aniline  
Concen: 24.930 ng  
RT: 6.534 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 93 Resp: 700133  
Ion Ratio Lower Upper  
93 100  
66 54.0 34.0 51.0#  
65 30.9 17.8 26.8#





#7

Phenol-d6

Concen: 124.465 ng

RT: 6.516 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

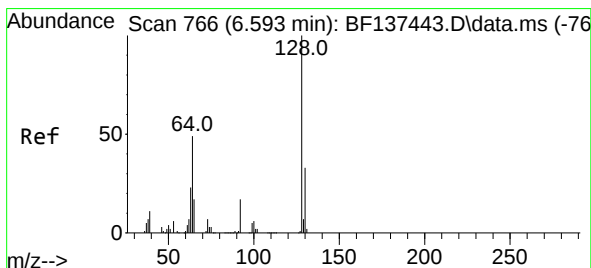
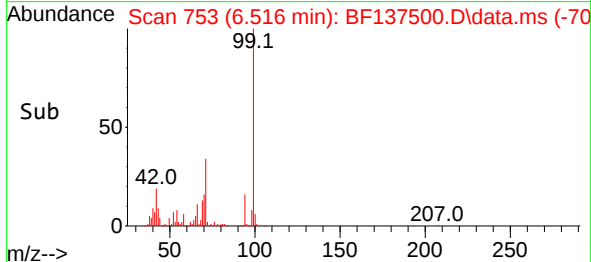
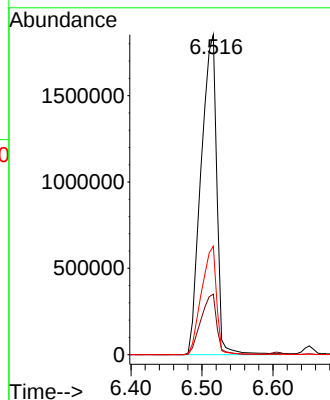
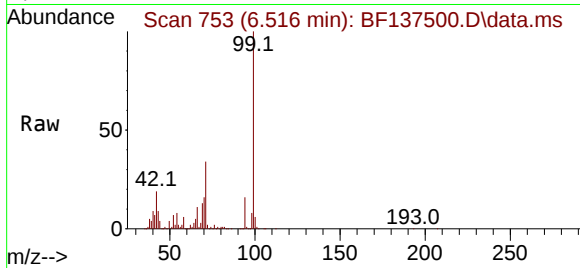
BNA\_F

ClientSampleId :

PB159437BS

Tgt Ion: 99 Resp: 2860710

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.9  | 14.6  | 21.8  |
| 71  | 33.9  | 25.3  | 37.9  |



#8

2-Chlorophenol

Concen: 49.612 ng

RT: 6.651 min Scan# 776

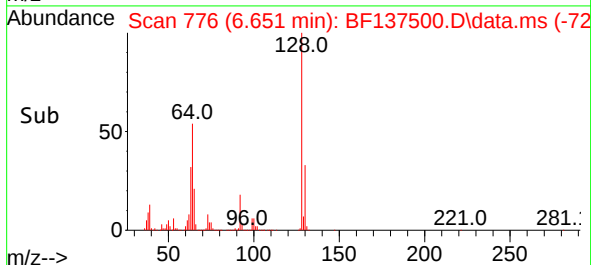
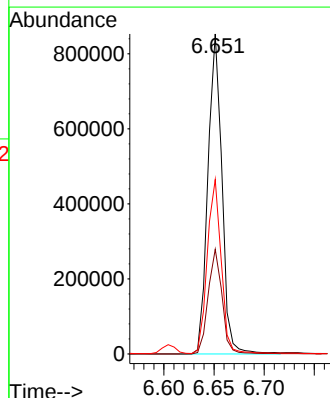
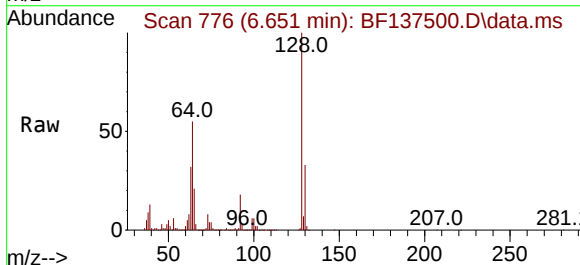
Delta R.T. 0.000 min

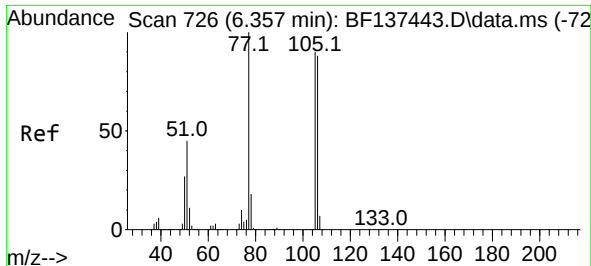
Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Tgt Ion:128 Resp: 833198

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.7  | 13.4  | 53.4  |
| 64  | 54.5  | 30.0  | 70.0  |





#9

Benzaldehyde

Concen: 5.402 ng

RT: 6.422 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

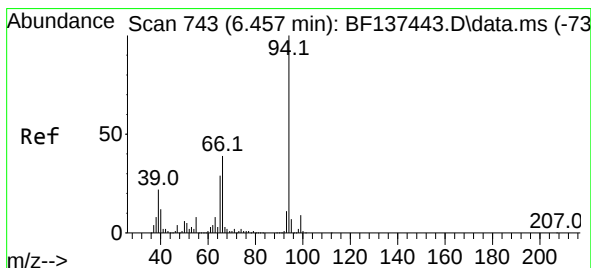
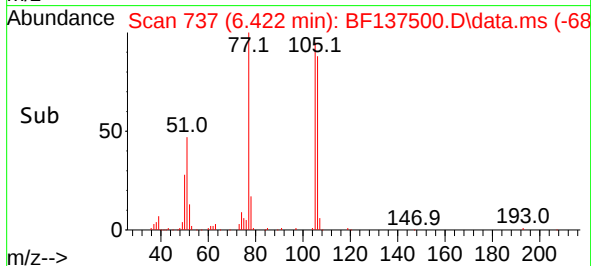
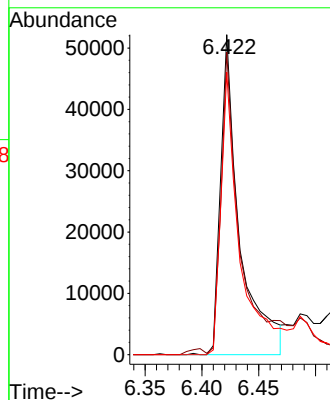
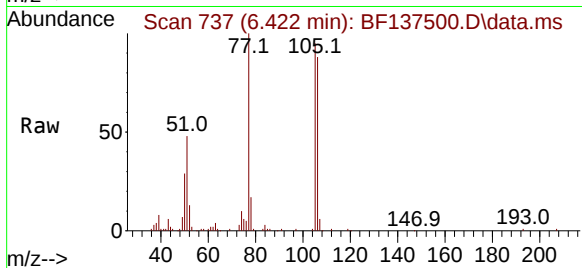
Tgt Ion: 77 Resp: 60832

Ion Ratio Lower Upper

77 100

105 94.5 69.8 109.8

106 88.3 67.8 107.8



#10

Phenol

Concen: 45.119 ng

RT: 6.528 min Scan# 755

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

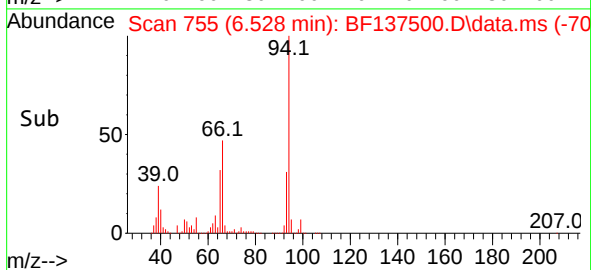
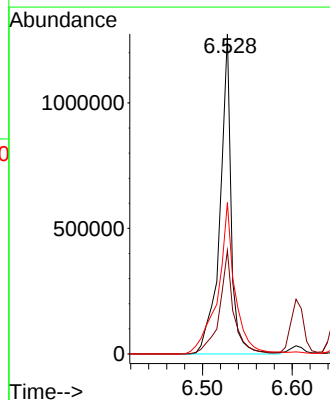
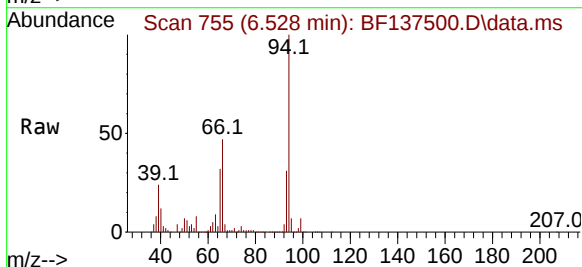
Tgt Ion: 94 Resp: 1116170

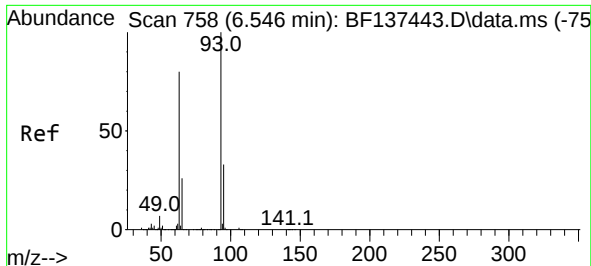
Ion Ratio Lower Upper

94 100

65 32.3 8.7 48.7

66 47.3 18.6 58.6

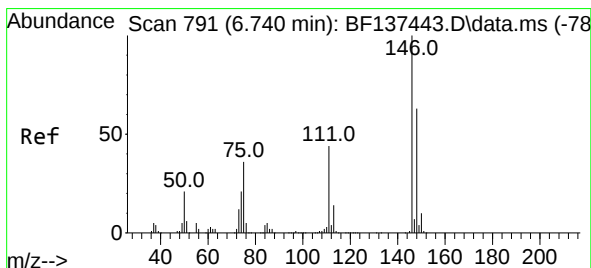
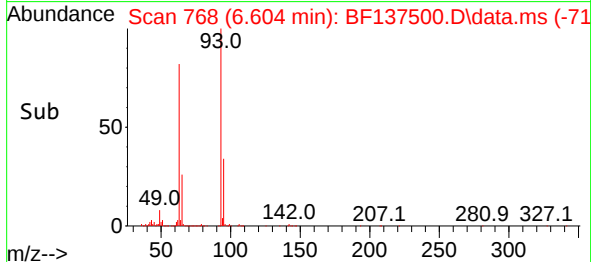
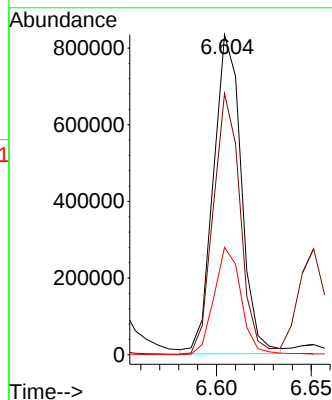
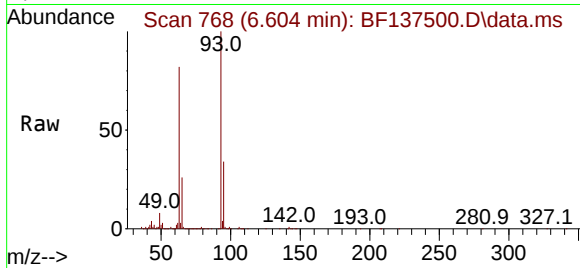




#11  
bis(2-Chloroethyl)ether  
Concen: 47.128 ng  
RT: 6.604 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

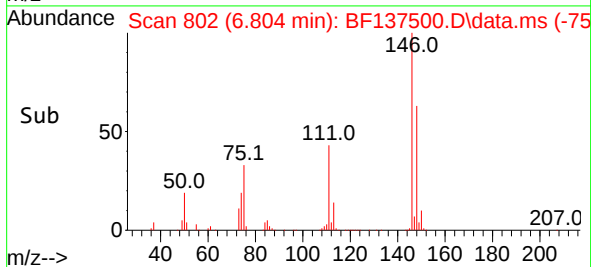
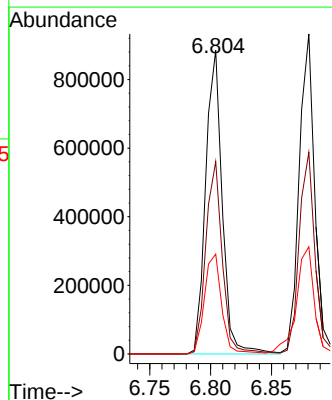
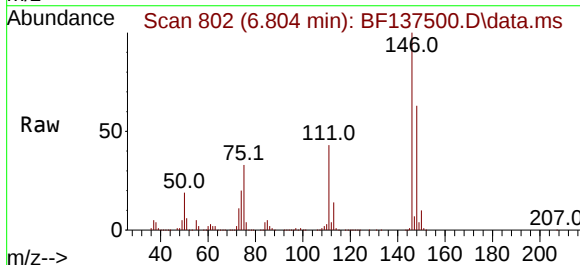
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

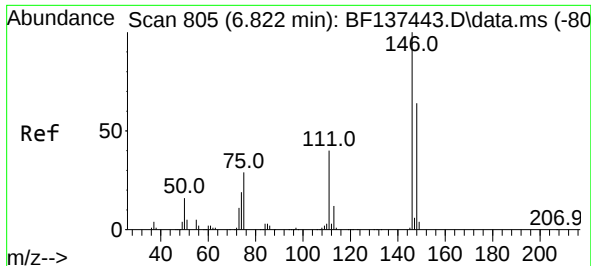
Tgt Ion: 93 Resp: 854353  
Ion Ratio Lower Upper  
93 100  
63 81.7 58.9 98.9  
95 33.6 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 46.607 ng  
RT: 6.804 min Scan# 802  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:146 Resp: 836414  
Ion Ratio Lower Upper  
146 100  
148 63.3 50.3 75.5  
75 32.9 29.0 43.4





#13

1,4-Dichlorobenzene

Concen: 46.369 ng

RT: 6.881 min Scan# 815

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

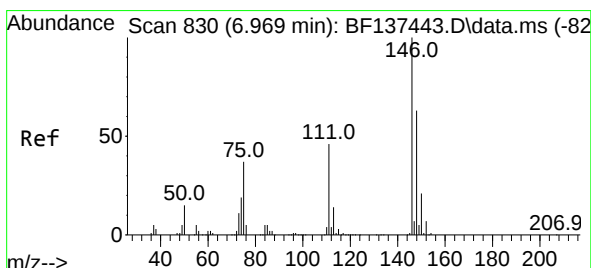
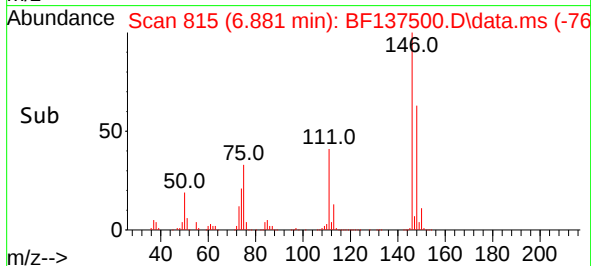
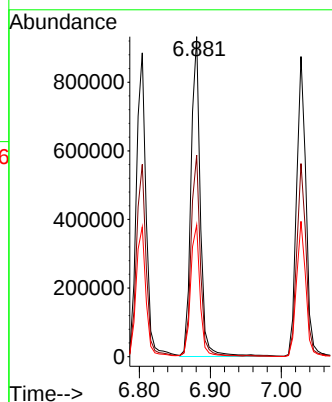
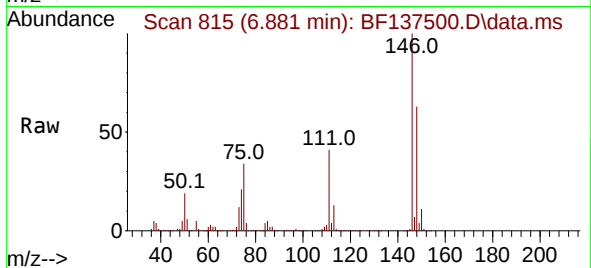
Tgt Ion:146 Resp: 851413

Ion Ratio Lower Upper

146 100

148 63.0 51.2 76.8

111 41.2 32.4 48.6



#14

1,2-Dichlorobenzene

Concen: 47.426 ng

RT: 7.028 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

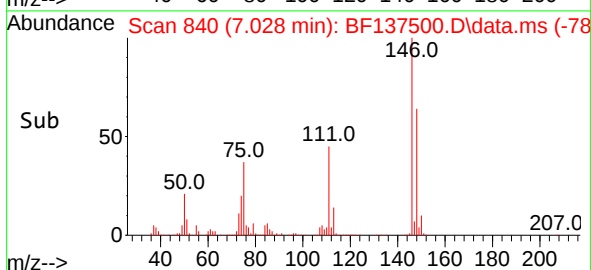
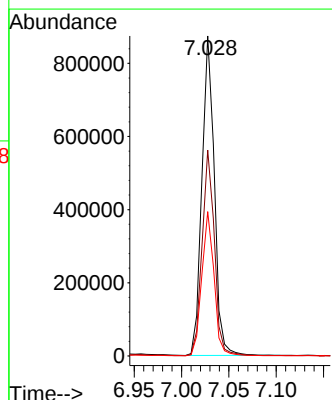
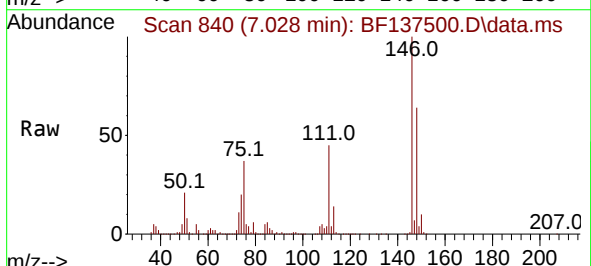
Tgt Ion:146 Resp: 799293

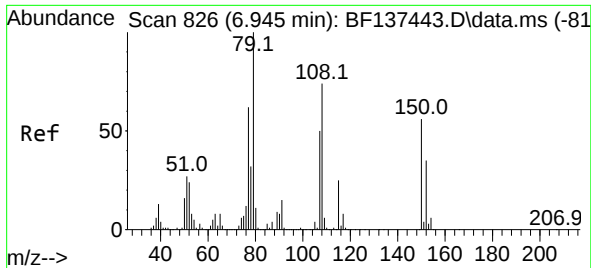
Ion Ratio Lower Upper

146 100

148 64.4 50.0 75.0

111 45.1 36.8 55.2

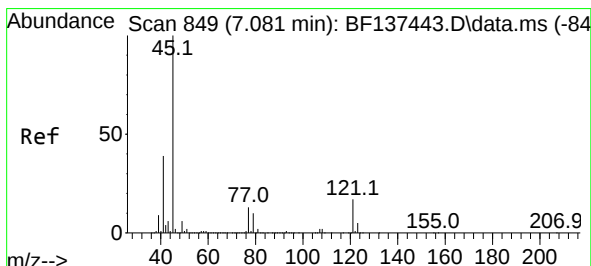
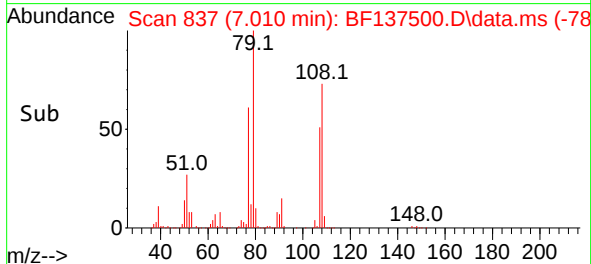
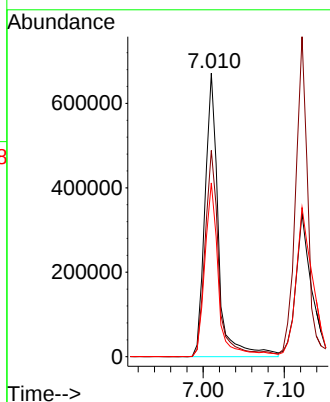
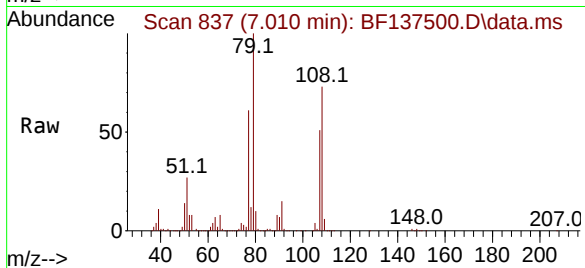




#15  
Benzyl Alcohol  
Concen: 53.797 ng  
RT: 7.010 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

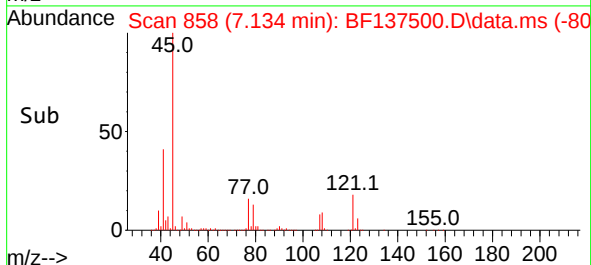
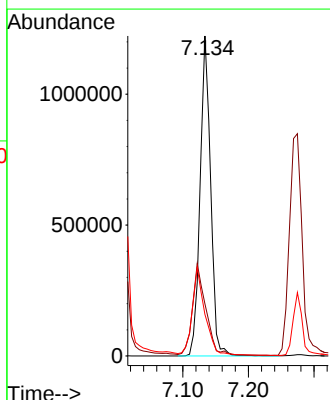
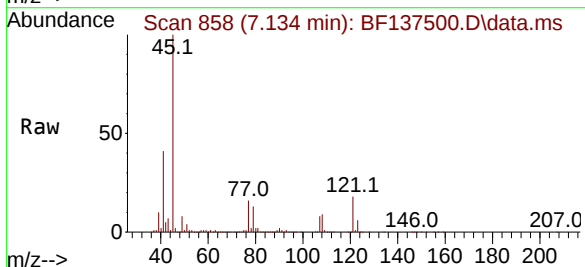
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

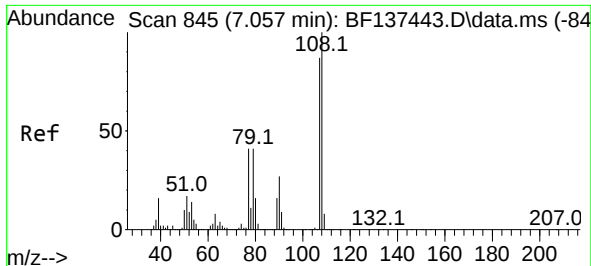
Tgt Ion: 79 Resp: 769772  
Ion Ratio Lower Upper  
79 100  
108 72.7 59.5 89.3  
77 61.3 50.0 75.0



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 43.878 ng  
RT: 7.134 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 45 Resp: 1367292  
Ion Ratio Lower Upper  
45 100  
77 16.3 0.0 33.4  
79 13.0 0.0 30.9



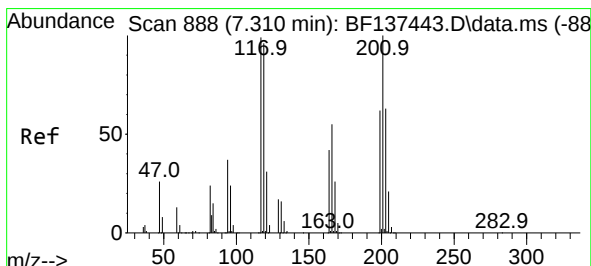
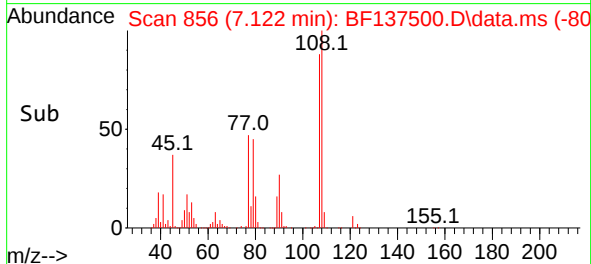
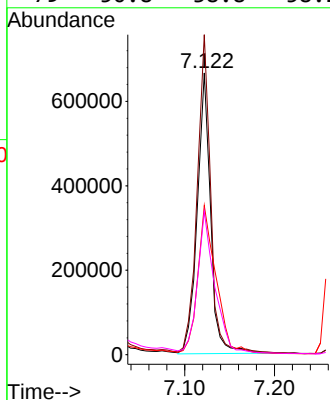
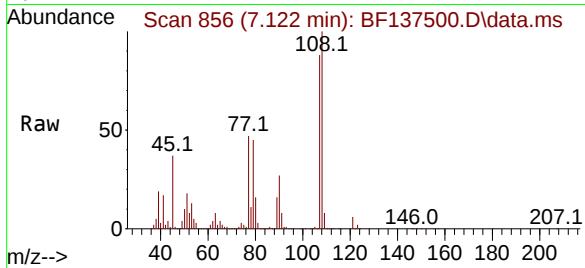


#17  
2-Methylphenol  
Concen: 43.954 ng  
RT: 7.122 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

Tgt Ion:107 Resp: 690733

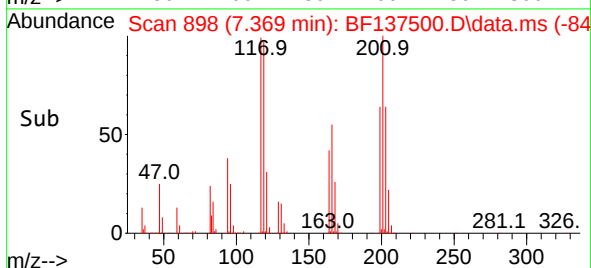
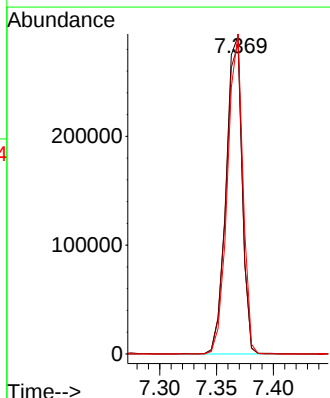
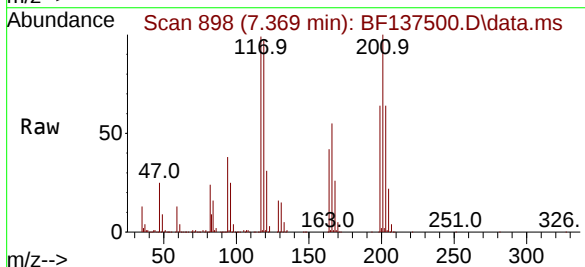
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.6 | 92.2  | 138.4 |
| 77  | 52.9  | 38.6  | 57.8  |
| 79  | 50.8  | 38.8  | 58.2  |

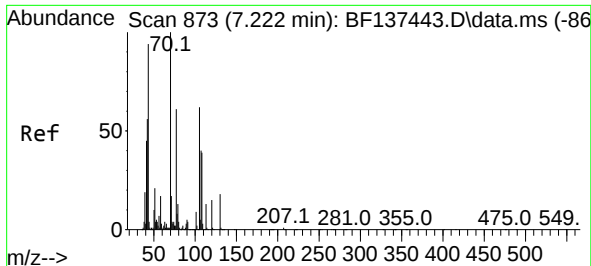


#18  
Hexachloroethane  
Concen: 47.827 ng  
RT: 7.369 min Scan# 898  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:117 Resp: 289159

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 97.5  | 77.5  | 116.3 |
| 201 | 100.7 | 80.6  | 121.0 |

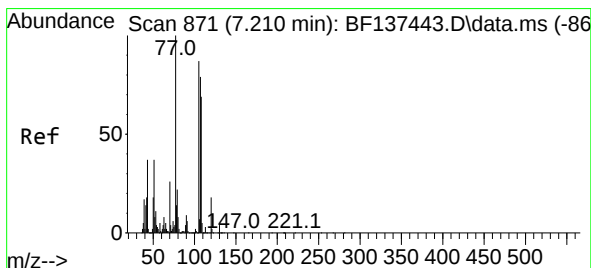
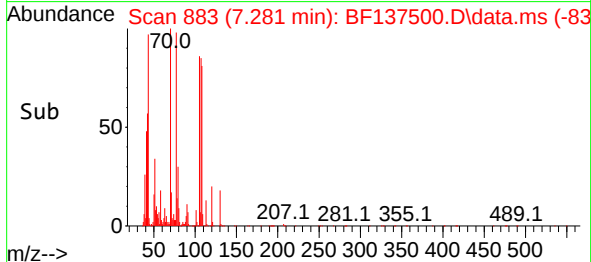
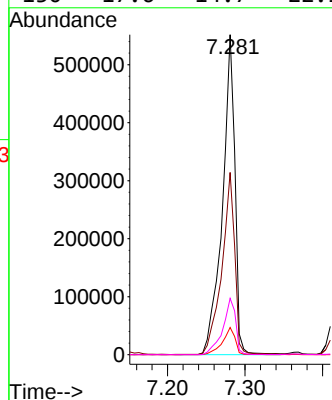
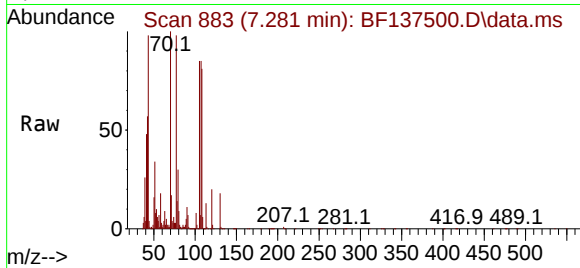




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.768 ng  
RT: 7.281 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

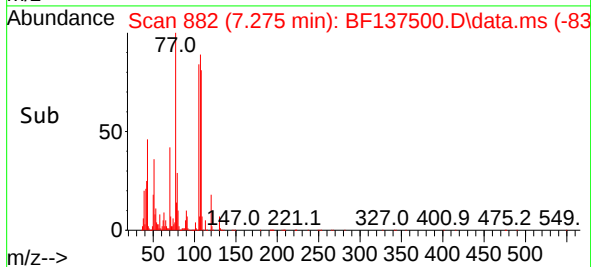
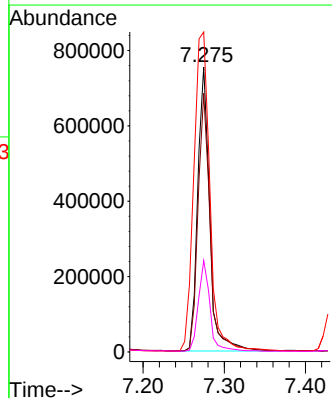
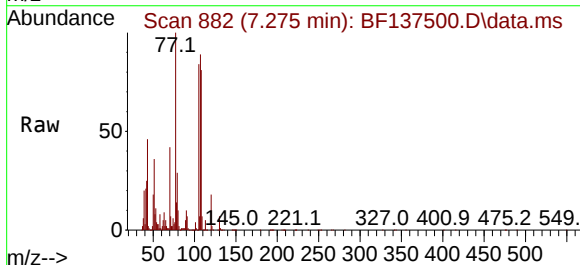
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

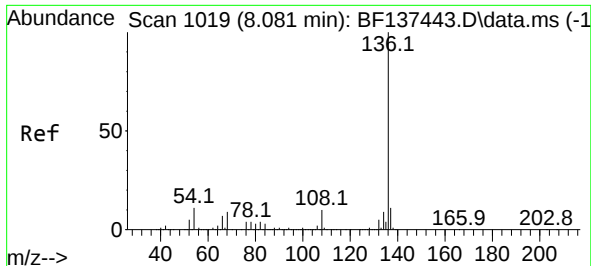
Tgt Ion: 70 Resp: 621190  
Ion Ratio Lower Upper  
70 100  
42 57.0 45.2 67.8  
101 8.5 7.3 10.9  
130 17.6 14.7 22.1



#20  
3+4-Methylphenols  
Concen: 43.136 ng  
RT: 7.275 min Scan# 882  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:107 Resp: 776369  
Ion Ratio Lower Upper  
107 100  
108 90.7 67.6 107.6  
77 112.3 107.1 147.1  
79 32.0 8.6 48.6

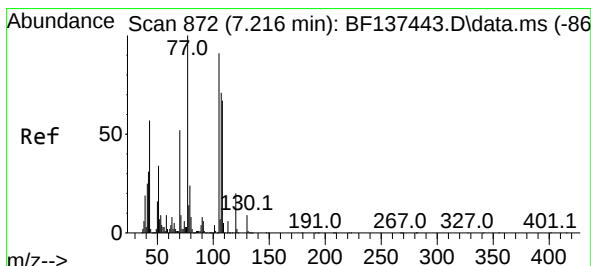
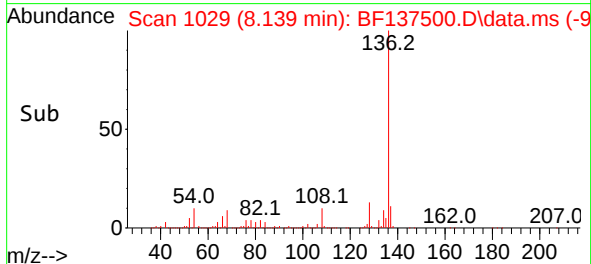
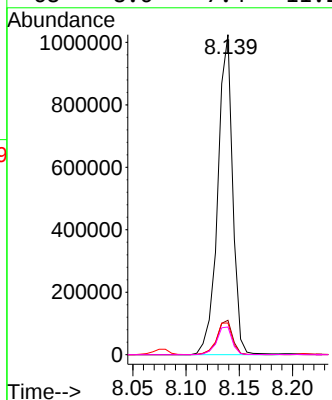
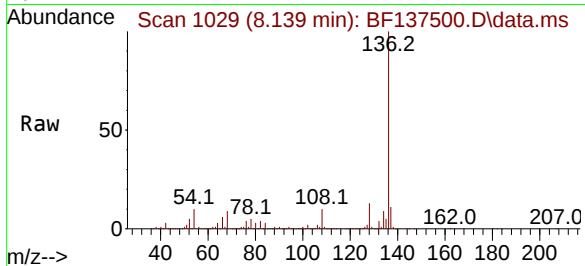




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 1019  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

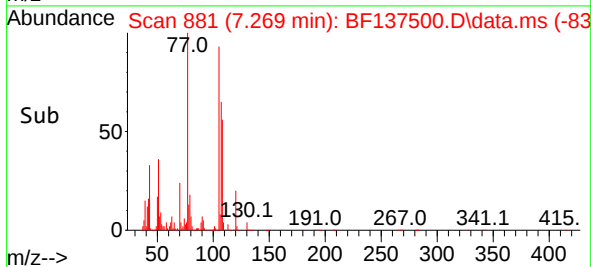
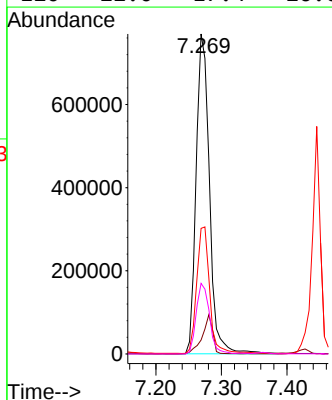
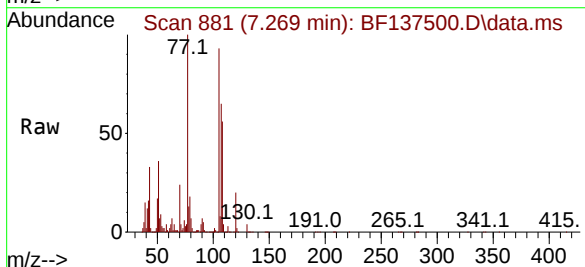
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

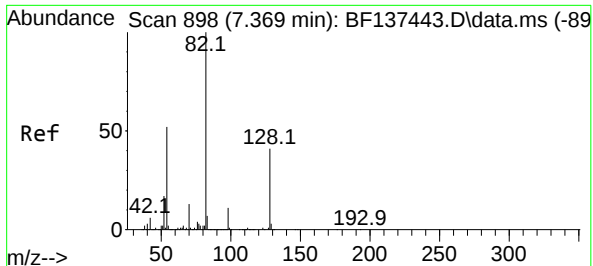
Tgt Ion:136 Resp: 993842  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.1 13.7  
54 9.9 8.5 12.7  
68 8.6 7.4 11.2



#22  
Acetophenone  
Concen: 45.380 ng  
RT: 7.269 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:105 Resp: 1091224  
Ion Ratio Lower Upper  
105 100  
71 4.4 7.7 11.5#  
51 39.3 30.4 45.6  
120 22.0 17.4 26.0





#23

Nitrobenzene-d5

Concen: 84.944 ng

RT: 7.428 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

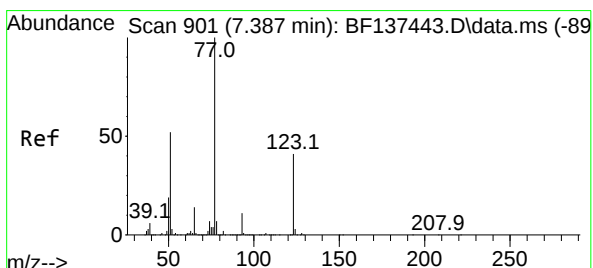
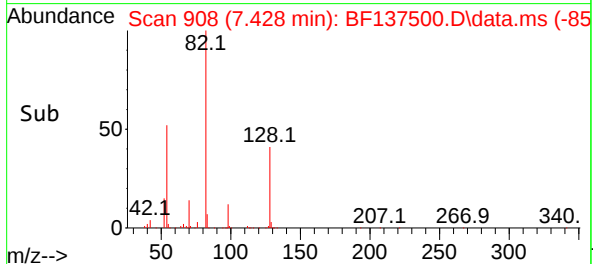
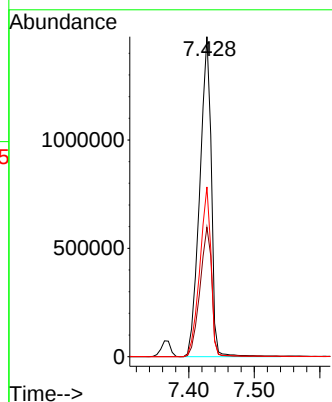
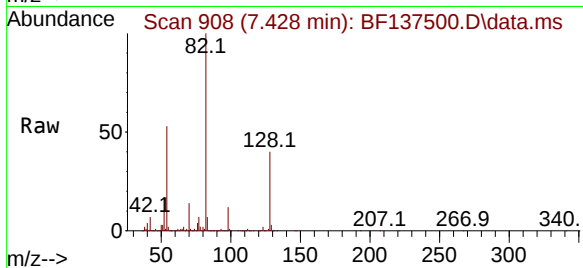
Tgt Ion: 82 Resp: 1816913

Ion Ratio Lower Upper

82 100

128 40.4 32.5 48.7

54 53.0 41.5 62.3



#24

Nitrobenzene

Concen: 43.915 ng

RT: 7.445 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

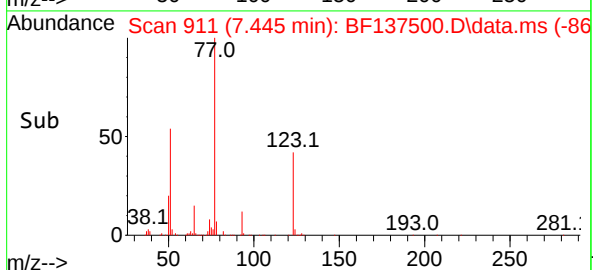
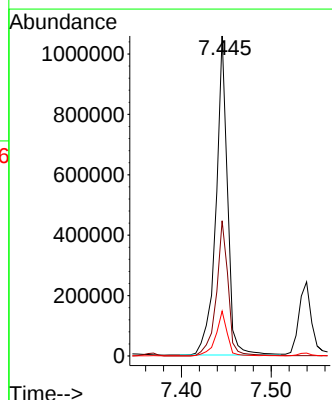
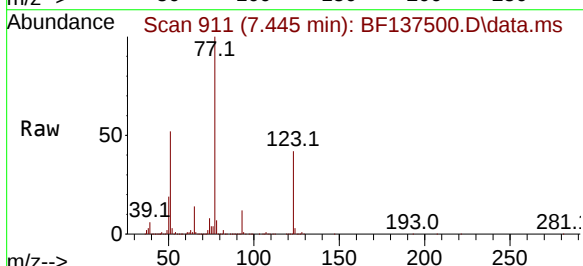
Tgt Ion: 77 Resp: 943605

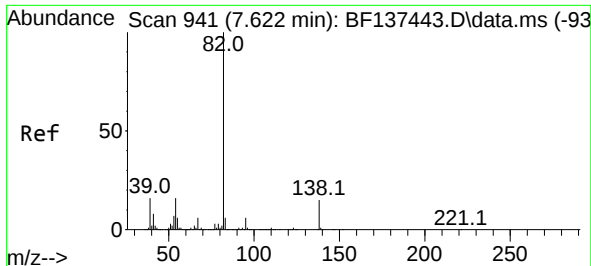
Ion Ratio Lower Upper

77 100

123 42.3 33.0 49.6

65 14.0 10.9 16.3

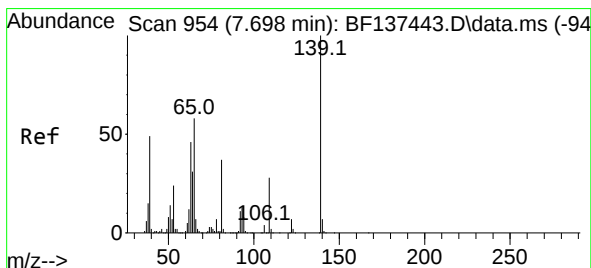
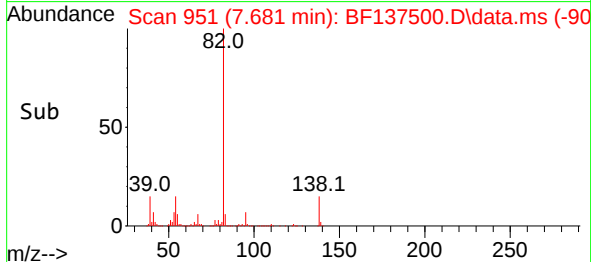
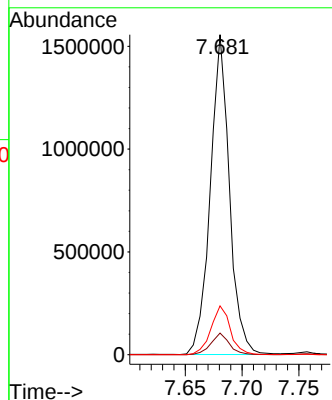
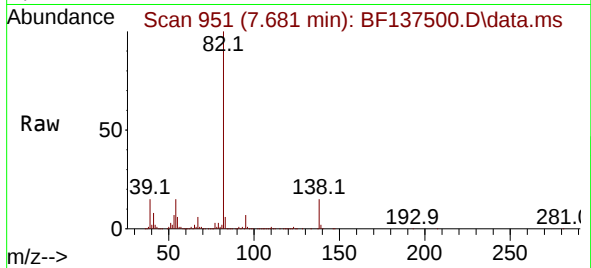




#25  
Isophorone  
Concen: 44.820 ng  
RT: 7.681 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

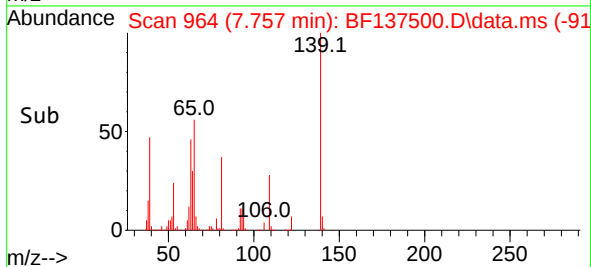
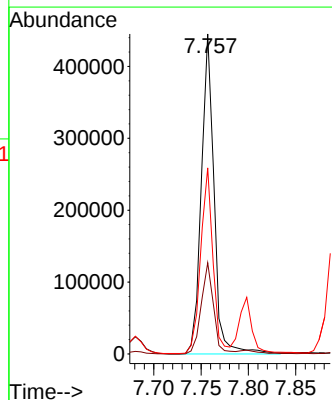
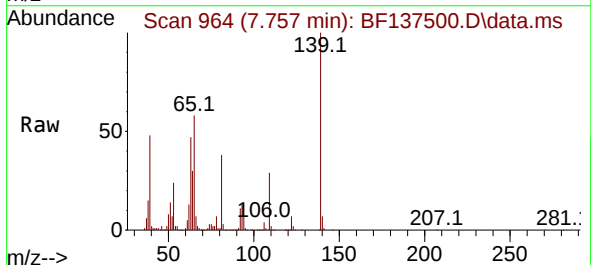
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

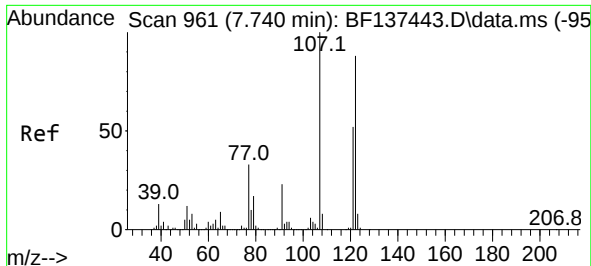
Tgt Ion: 82 Resp: 1821308  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.1 7.7  
138 15.2 11.8 17.8



#26  
2-Nitrophenol  
Concen: 49.139 ng  
RT: 7.757 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:139 Resp: 419184  
Ion Ratio Lower Upper  
139 100  
109 28.5 22.2 33.4  
65 58.1 46.2 69.2





#27

2,4-Dimethylphenol

Concen: 38.851 ng

RT: 7.798 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

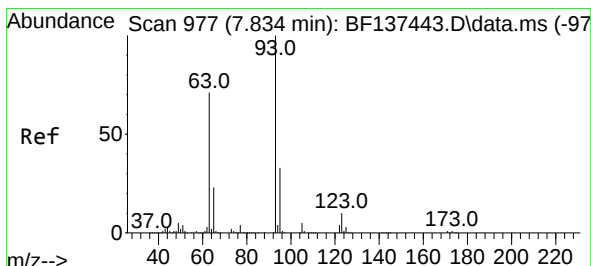
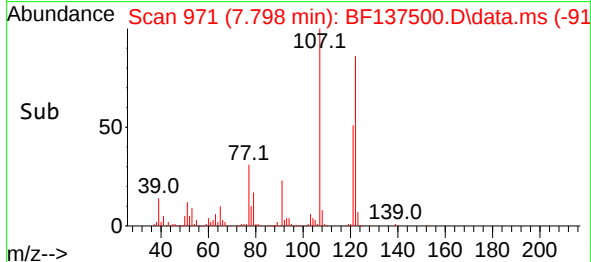
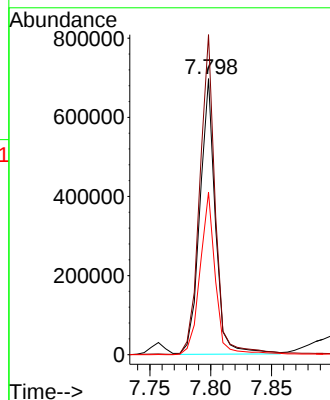
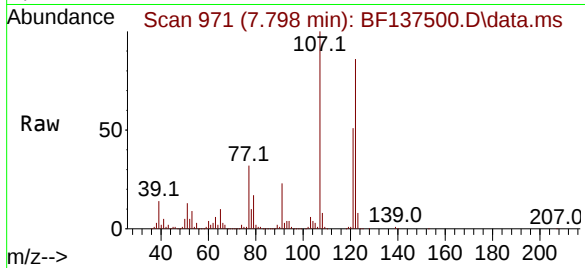
Tgt Ion:122 Resp: 619277

Ion Ratio Lower Upper

122 100

107 115.9 90.9 136.3

121 58.8 47.0 70.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.184 ng

RT: 7.892 min Scan# 987

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

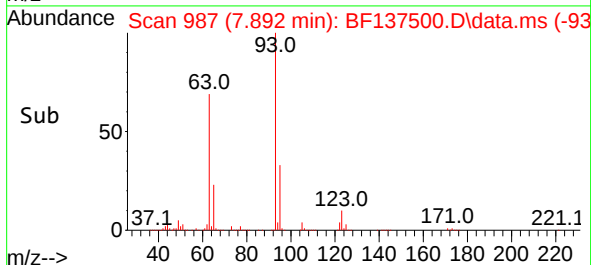
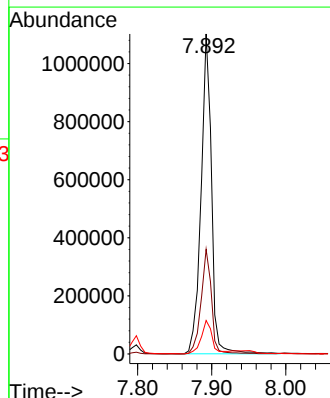
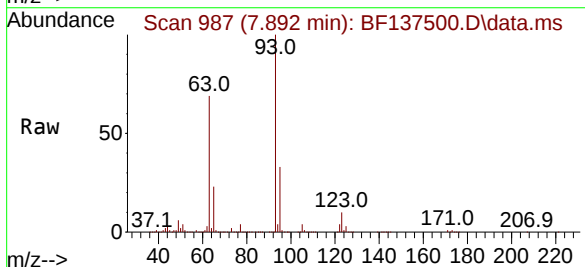
Tgt Ion: 93 Resp: 1077294

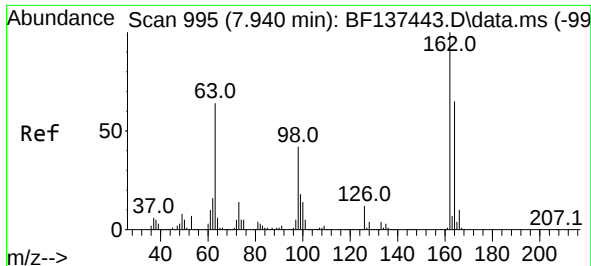
Ion Ratio Lower Upper

93 100

95 32.7 26.5 39.7

123 10.5 8.0 12.0





#29

2,4-Dichlorophenol

Concen: 47.300 ng

RT: 7.998 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

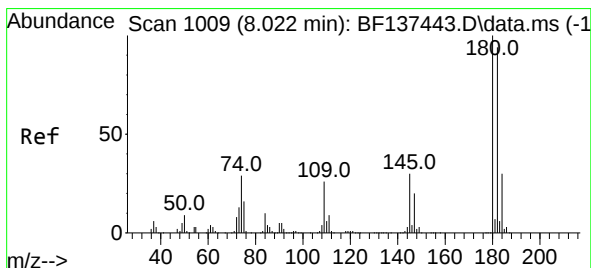
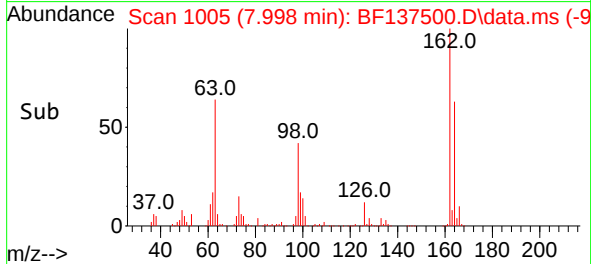
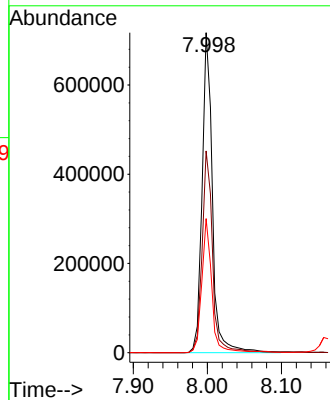
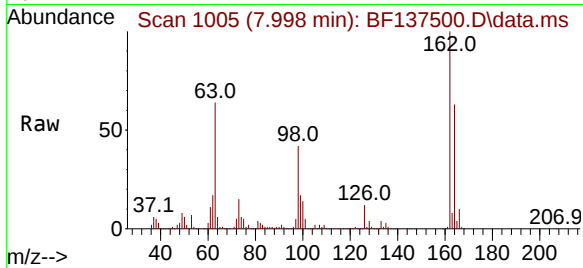
Tgt Ion:162 Resp: 691950

Ion Ratio Lower Upper

162 100

164 63.0 44.7 84.7

98 41.9 22.0 62.0



#30

1,2,4-Trichlorobenzene

Concen: 45.887 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

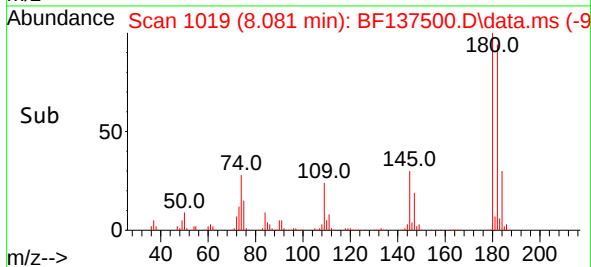
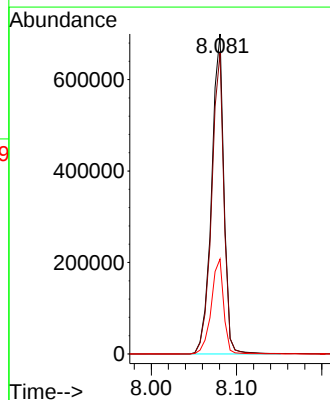
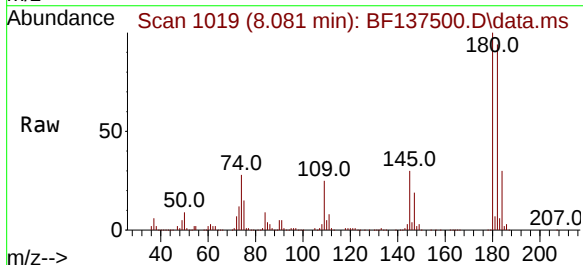
Tgt Ion:180 Resp: 706414

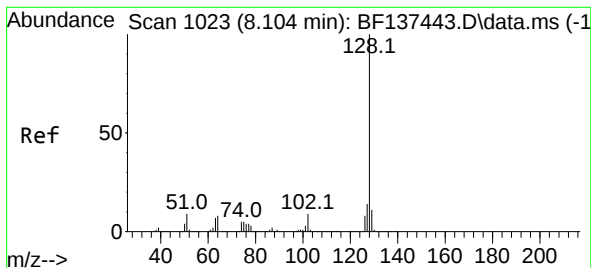
Ion Ratio Lower Upper

180 100

182 94.1 75.0 112.6

145 29.7 23.7 35.5





#31

Naphthalene

Concen: 42.734 ng

RT: 8.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

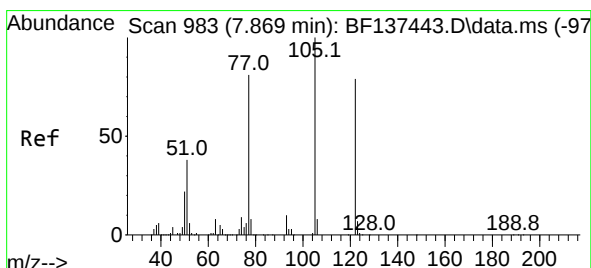
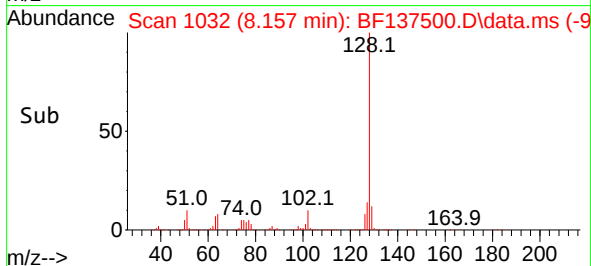
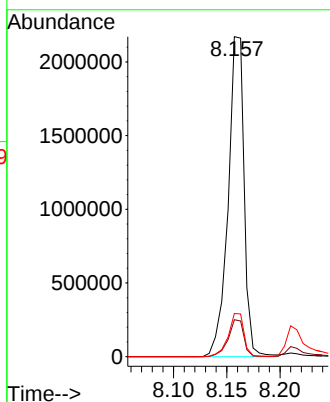
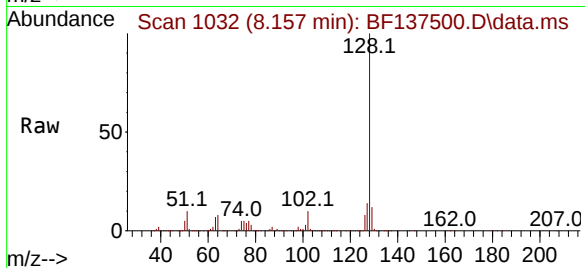
Tgt Ion:128 Resp: 2278702

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 47.209 ng

RT: 7.951 min Scan# 997

Delta R.T. 0.024 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

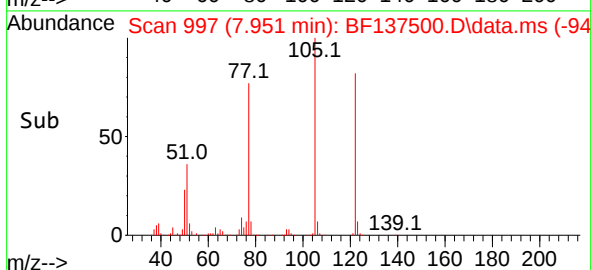
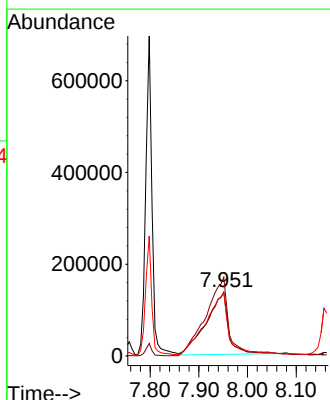
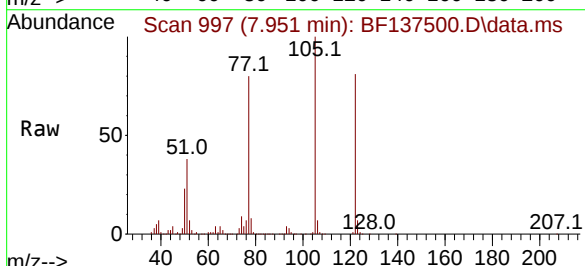
Tgt Ion:122 Resp: 432250

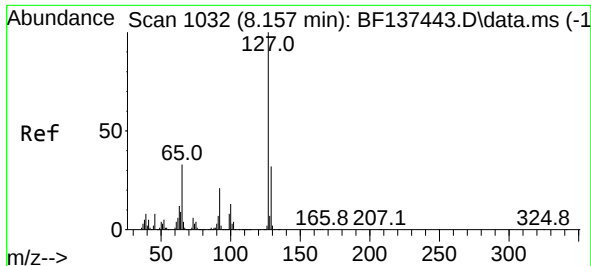
Ion Ratio Lower Upper

122 100

105 123.1 102.4 142.4

77 99.0 81.1 121.1

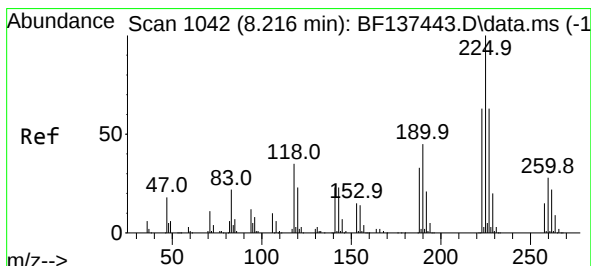
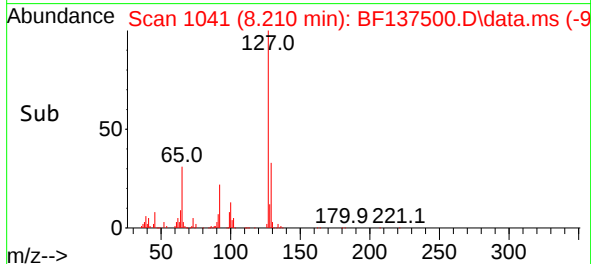
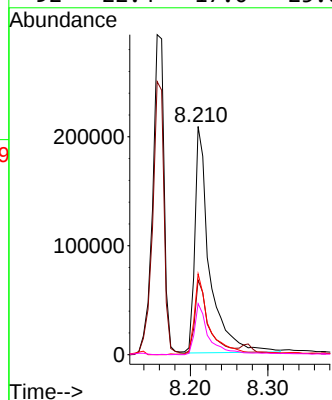
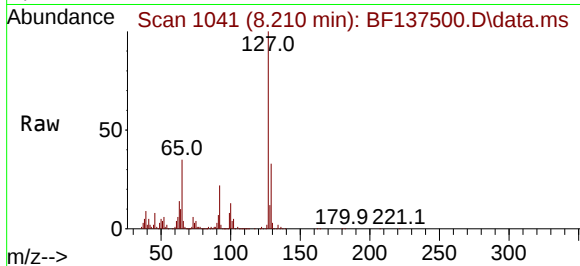




#33  
4-Chloroaniline  
Concen: 13.065 ng  
RT: 8.210 min Scan# 1041  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

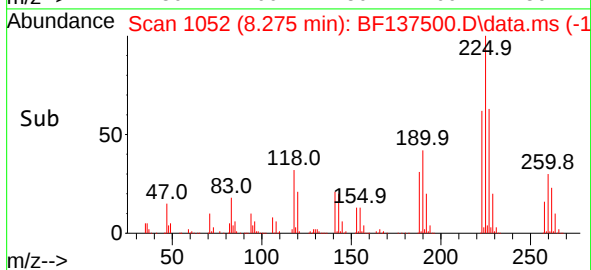
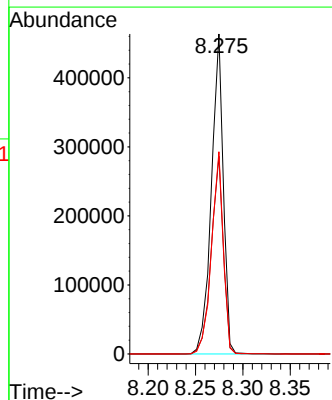
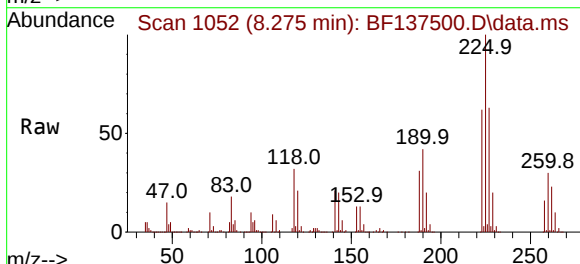
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

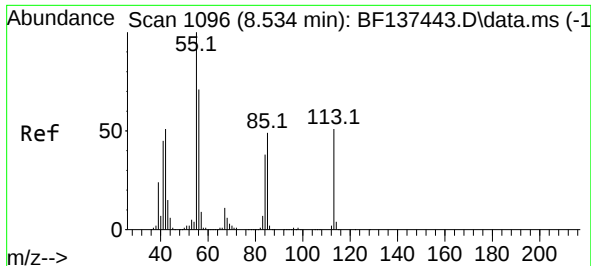
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 273177 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.7  | 26.0  | 39.0   |
| 65       | 35.5  | 26.8  | 40.2   |
| 92       | 22.4  | 17.0  | 25.6   |



#34  
Hexachlorobutadiene  
Concen: 44.461 ng  
RT: 8.275 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 404094 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.8  | 50.7  | 76.1   |
| 227      | 63.2  | 50.6  | 75.8   |

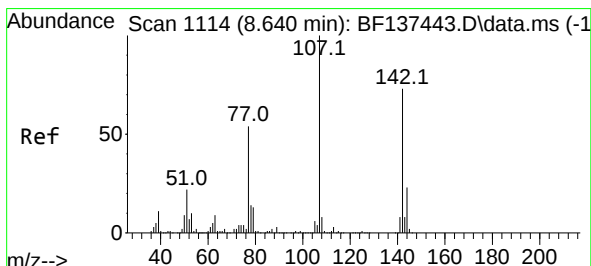
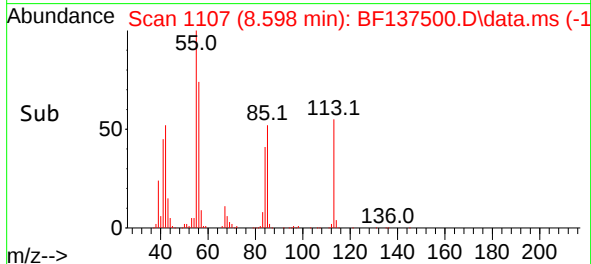
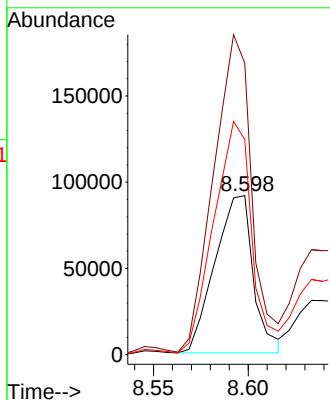
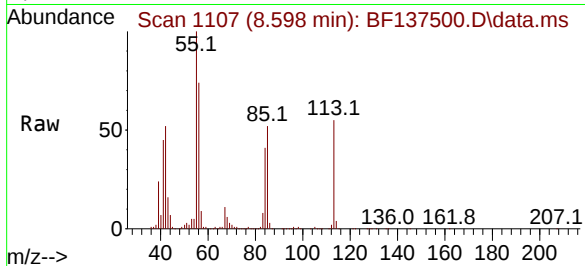




#35  
 Caprolactam  
 Concen: 26.058 ng  
 RT: 8.598 min Scan# 1107  
 Delta R.T. 0.006 min  
 Lab File: BF137500.D  
 Acq: 05 Mar 2024 14:55

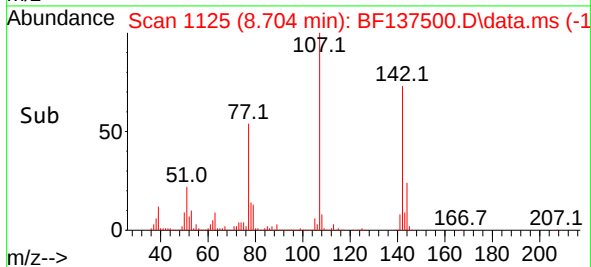
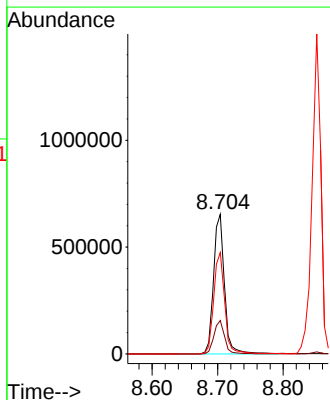
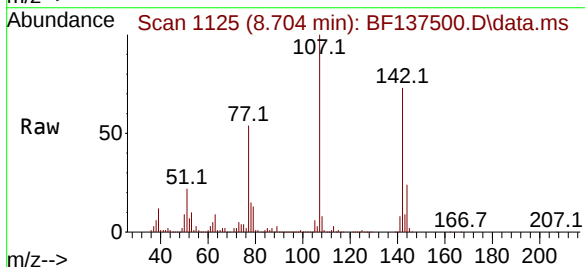
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB159437BS

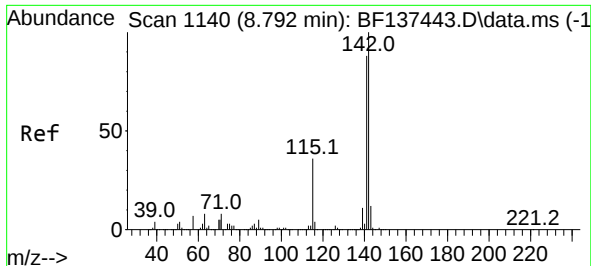
Tgt Ion:113 Resp: 129260  
 Ion Ratio Lower Upper  
 113 100  
 55 183.2 176.7 216.7  
 56 135.3 120.6 160.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.219 ng  
 RT: 8.704 min Scan# 1125  
 Delta R.T. 0.012 min  
 Lab File: BF137500.D  
 Acq: 05 Mar 2024 14:55

Tgt Ion:107 Resp: 755787  
 Ion Ratio Lower Upper  
 107 100  
 144 23.9 18.7 28.1  
 142 72.6 58.2 87.2





#37

2-Methylnaphthalene

Concen: 41.609 ng

RT: 8.851 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

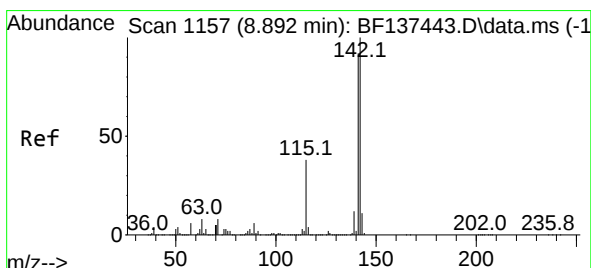
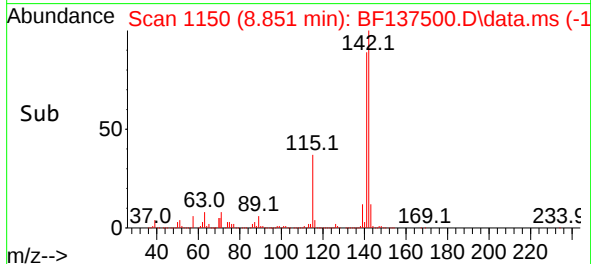
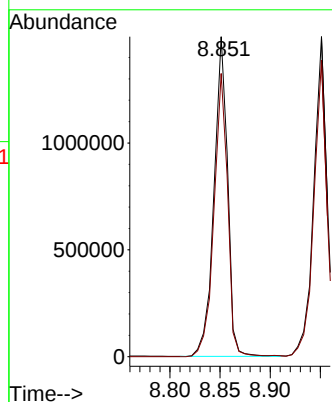
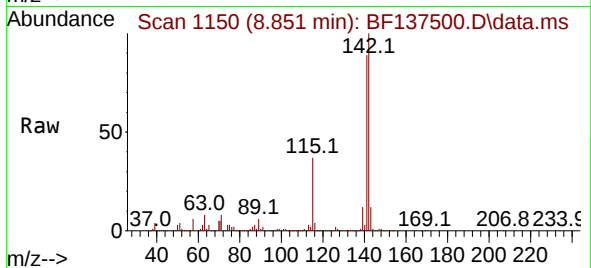
PB159437BS

Tgt Ion:142 Resp: 1414409

Ion Ratio Lower Upper

142 100

141 88.5 70.4 105.6



#38

1-Methylnaphthalene

Concen: 41.759 ng

RT: 8.951 min Scan# 1167

Delta R.T. 0.006 min

Lab File: BF137500.D

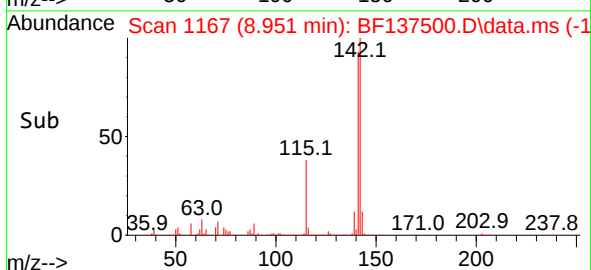
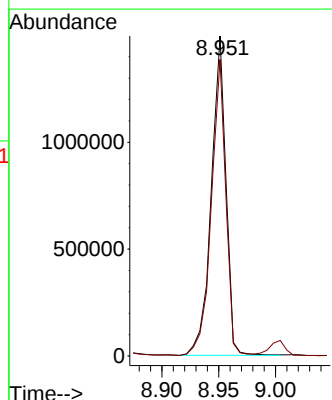
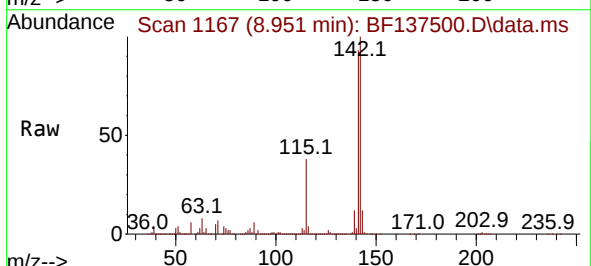
Acq: 05 Mar 2024 14:55

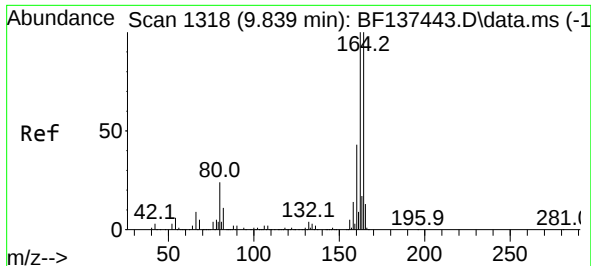
Tgt Ion:142 Resp: 1336803

Ion Ratio Lower Upper

142 100

141 92.7 73.4 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1178

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

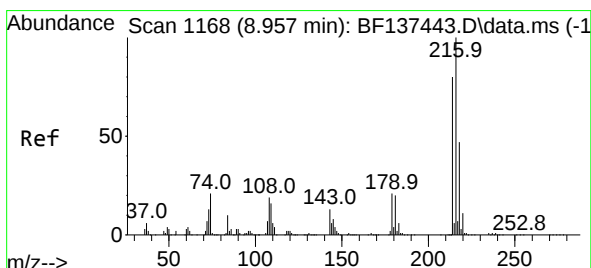
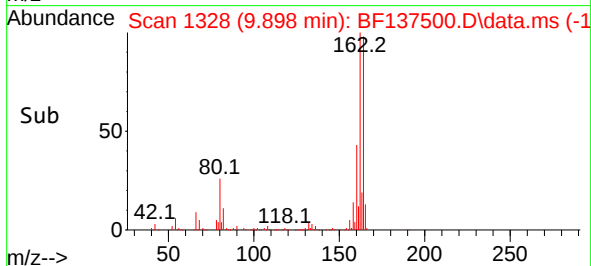
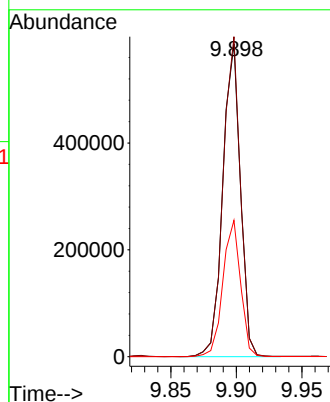
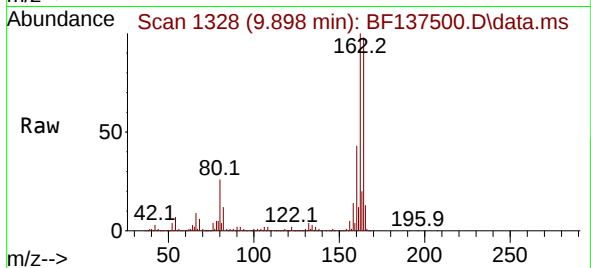
Tgt Ion:164 Resp: 546190

Ion Ratio Lower Upper

164 100

162 102.3 79.8 119.8

160 43.6 34.4 51.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.439 ng

RT: 9.016 min Scan# 1178

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Tgt Ion:216 Resp: 692861

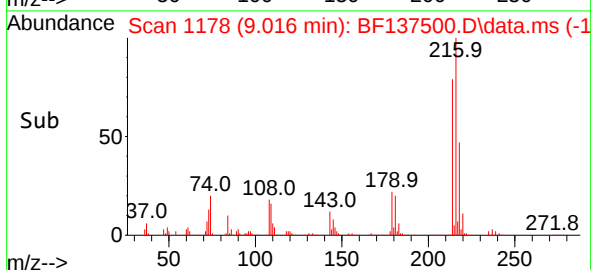
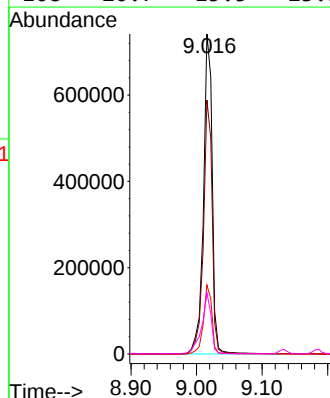
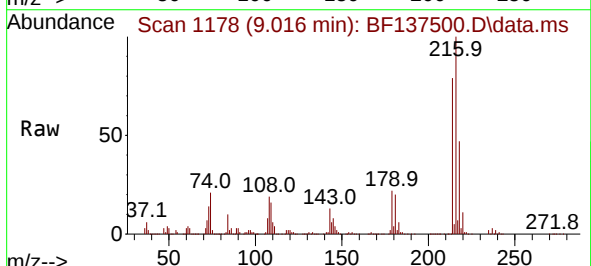
Ion Ratio Lower Upper

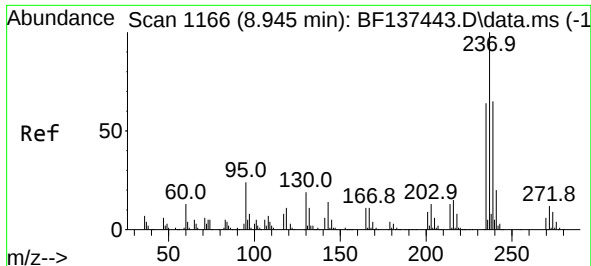
216 100

214 79.0 63.5 95.3

179 20.8 16.6 25.0

108 20.7 15.5 23.3

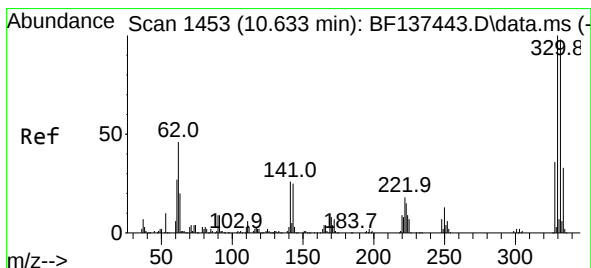
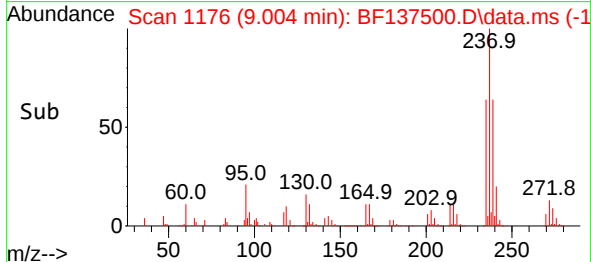
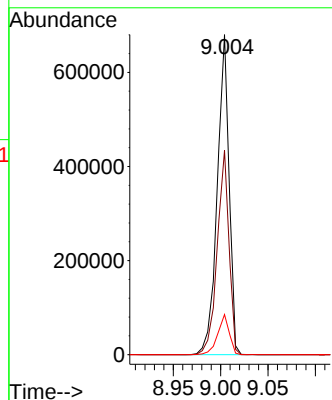
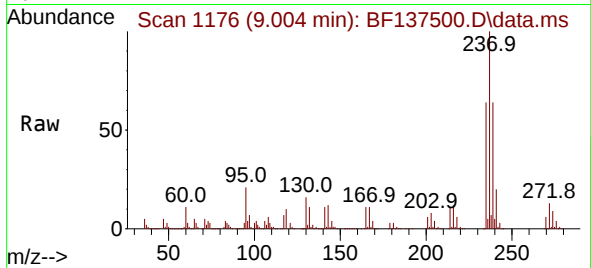




#41  
Hexachlorocyclopentadiene  
Concen: 93.344 ng  
RT: 9.004 min Scan# 1166  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

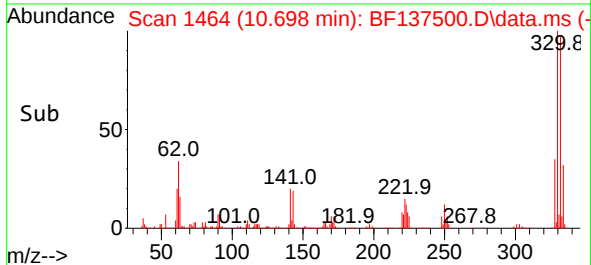
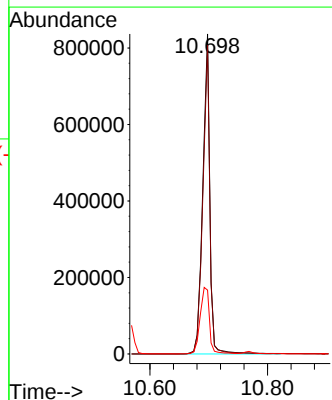
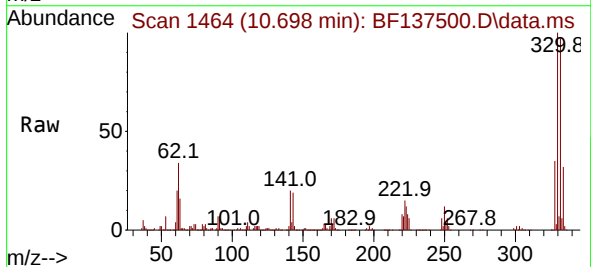
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

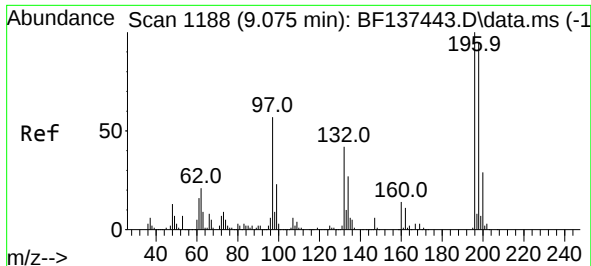
Tgt Ion:237 Resp: 590392  
Ion Ratio Lower Upper  
237 100  
235 63.8 43.6 83.6  
272 12.5 0.0 31.9



#42  
2,4,6-Tribromophenol  
Concen: 145.444 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:330 Resp: 697619  
Ion Ratio Lower Upper  
330 100  
332 95.5 78.0 117.0  
141 27.3 27.3 40.9





#43

2,4,6-Trichlorophenol

Concen: 48.476 ng

RT: 9.133 min Scan# 1188

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

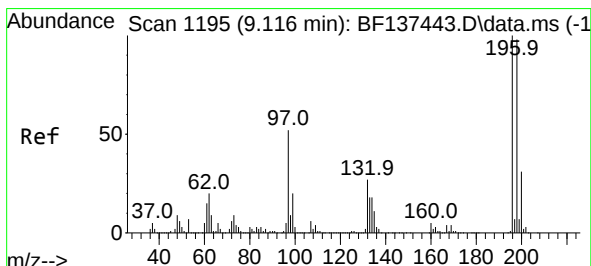
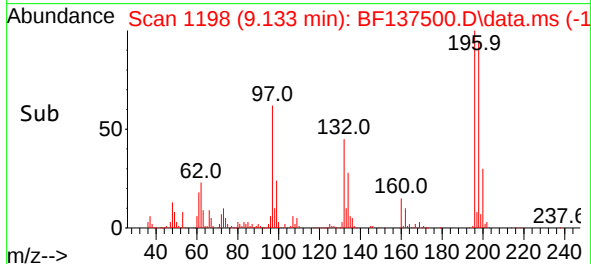
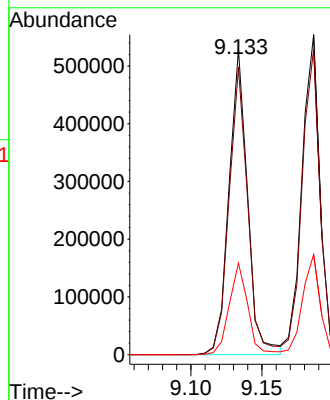
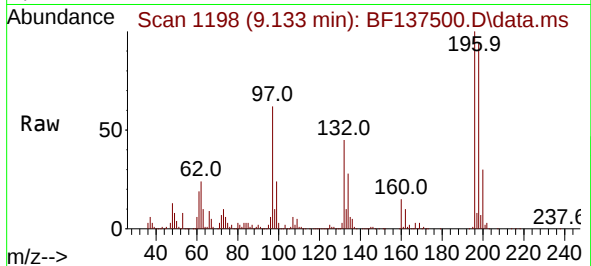
Tgt Ion:196 Resp: 481354

Ion Ratio Lower Upper

196 100

198 93.9 75.8 113.8

200 30.0 23.5 35.3



#44

2,4,5-Trichlorophenol

Concen: 42.405 ng

RT: 9.186 min Scan# 1207

Delta R.T. 0.018 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Tgt Ion:196 Resp: 485048

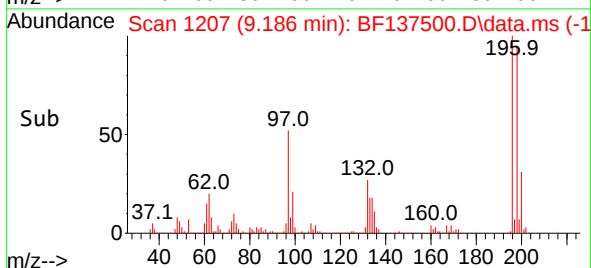
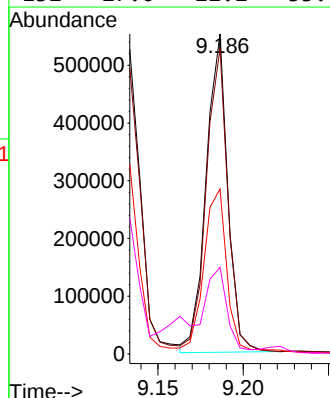
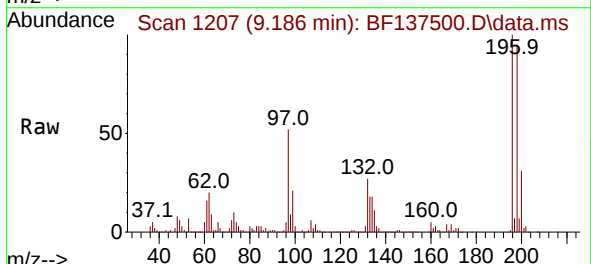
Ion Ratio Lower Upper

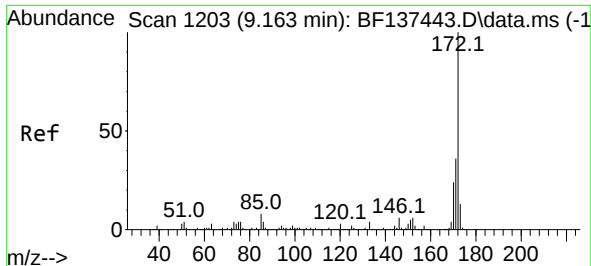
196 100

198 95.5 78.6 117.8

97 51.6 41.8 62.8

132 27.0 22.2 33.4





#45

2-Fluorobiphenyl

Concen: 80.322 ng

RT: 9.222 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

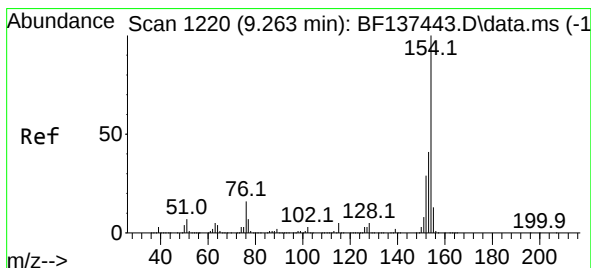
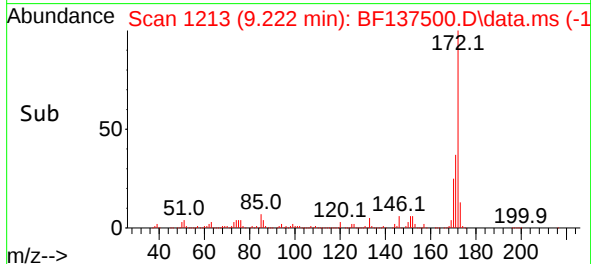
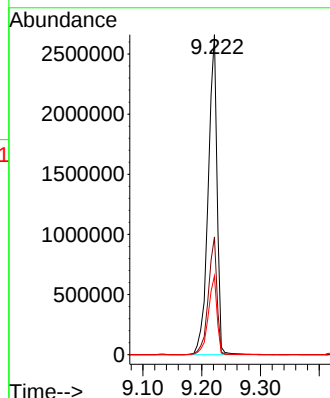
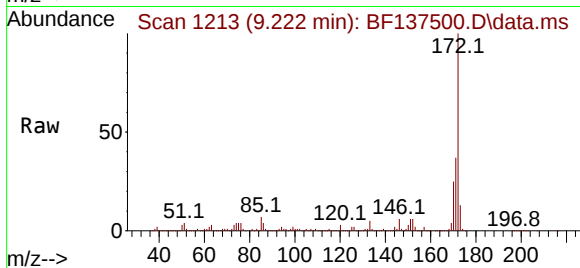
Tgt Ion:172 Resp: 2802623

Ion Ratio Lower Upper

172 100

171 36.8 28.5 42.7

170 24.6 19.0 28.6



#46

1,1'-Biphenyl

Concen: 43.716 ng

RT: 9.322 min Scan# 1230

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

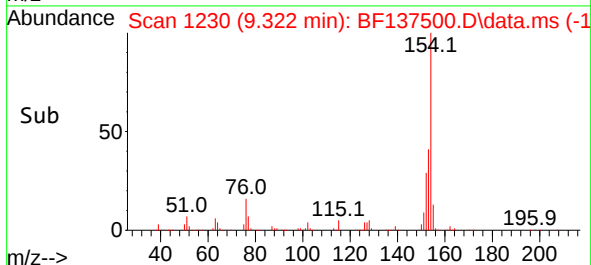
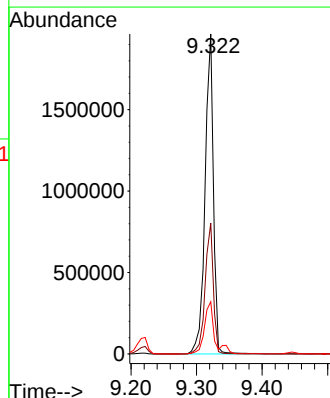
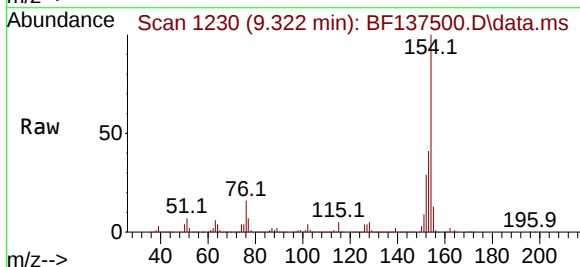
Tgt Ion:154 Resp: 1747583

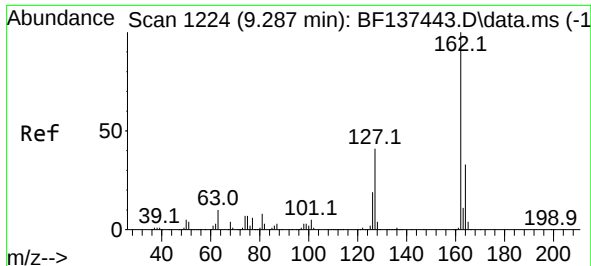
Ion Ratio Lower Upper

154 100

153 40.9 21.0 61.0

76 16.3 0.0 35.8

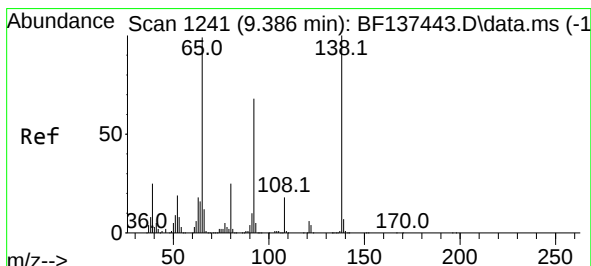
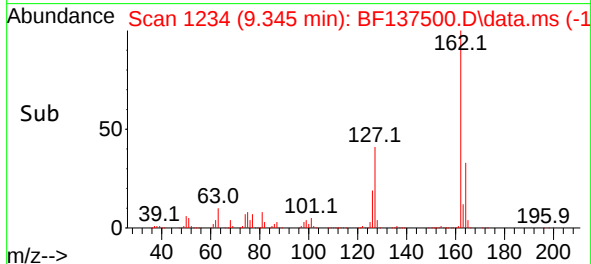
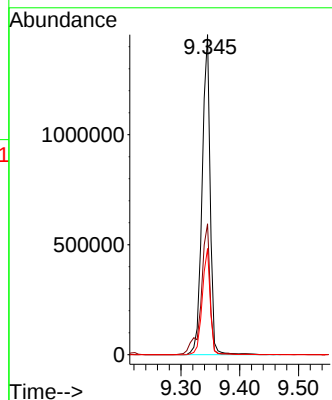
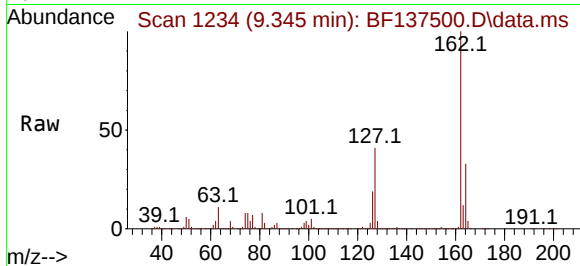




#47  
2-Chloronaphthalene  
Concen: 45.613 ng  
RT: 9.345 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

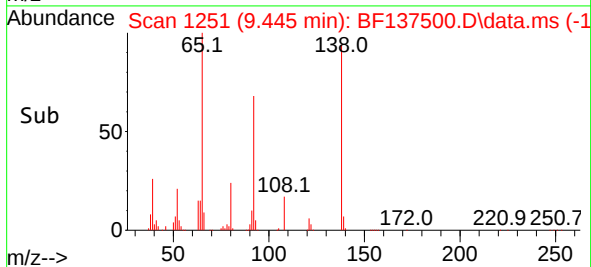
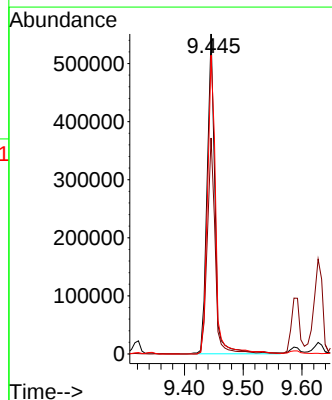
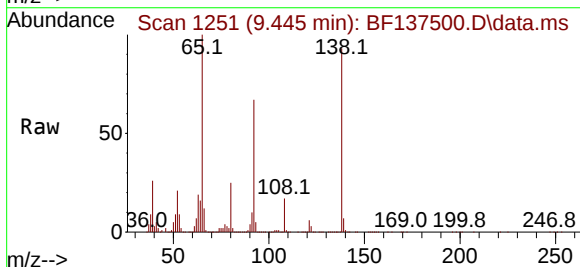
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

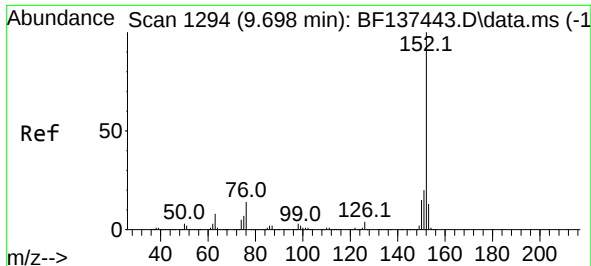
Tgt Ion:162 Resp: 1390235  
Ion Ratio Lower Upper  
162 100  
127 40.9 32.6 49.0  
164 33.1 26.5 39.7



#48  
2-Nitroaniline  
Concen: 49.493 ng  
RT: 9.445 min Scan# 1251  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 65 Resp: 512718  
Ion Ratio Lower Upper  
65 100  
92 67.5 55.4 83.2  
138 93.4 81.0 121.6





#49

Acenaphthylene

Concen: 45.015 ng

RT: 9.763 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

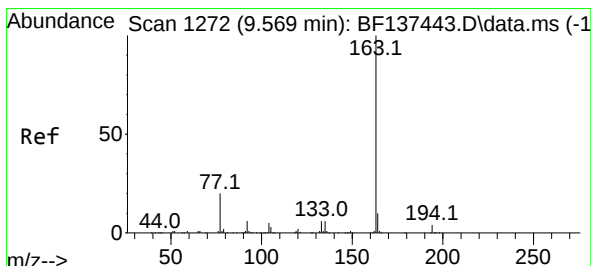
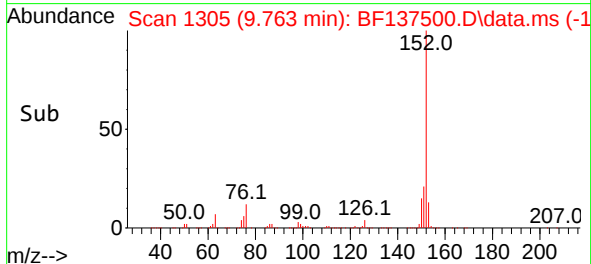
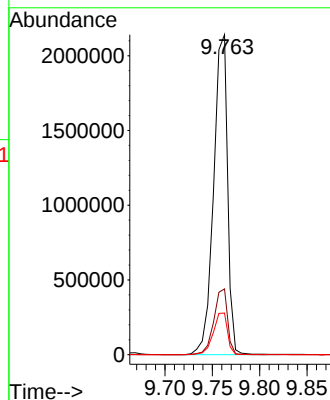
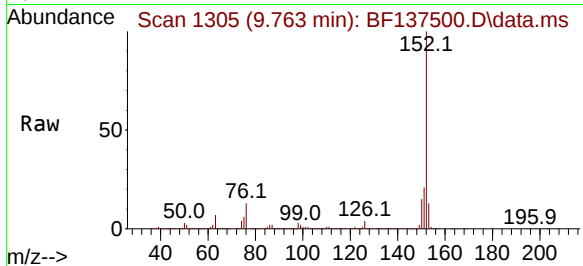
Tgt Ion:152 Resp: 2195679

Ion Ratio Lower Upper

152 100

151 20.5 16.2 24.4

153 13.0 10.8 16.2



#50

Dimethylphthalate

Concen: 44.462 ng

RT: 9.628 min Scan# 1282

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

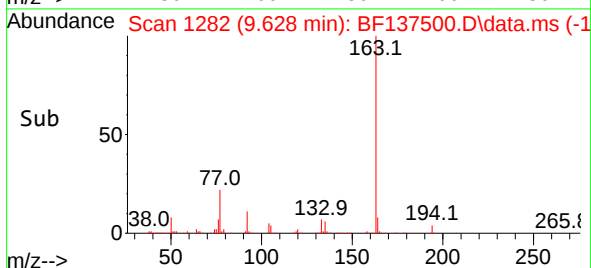
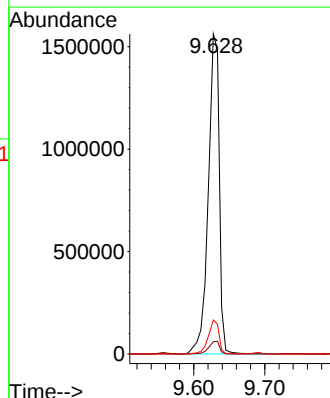
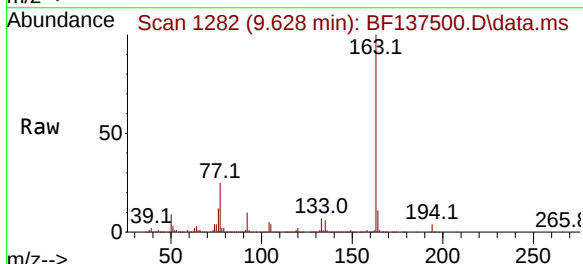
Tgt Ion:163 Resp: 1690509

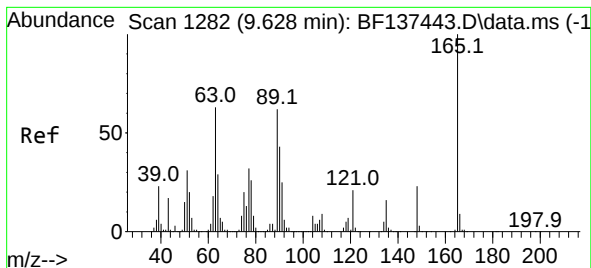
Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.6 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 47.501 ng

RT: 9.692 min Scan# 1282

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

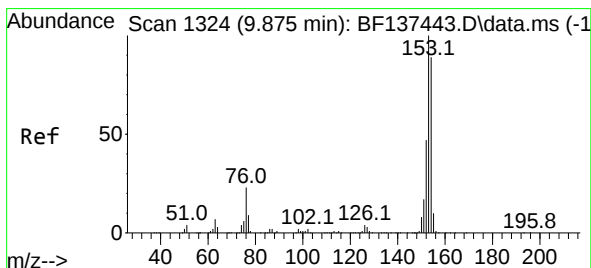
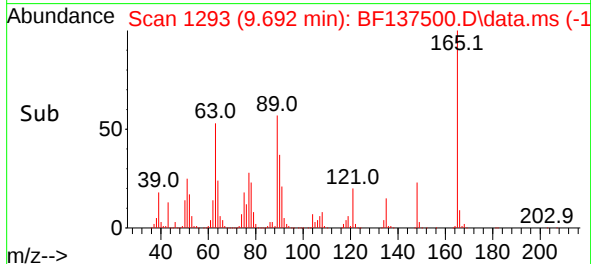
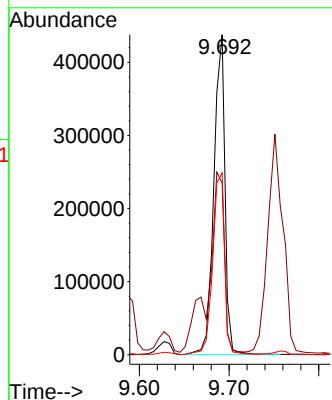
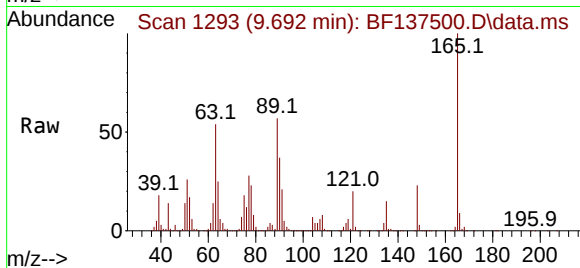
Tgt Ion:165 Resp: 377749

Ion Ratio Lower Upper

165 100

63 53.7 50.7 76.1

89 56.8 50.0 75.0



#52

Acenaphthene

Concen: 42.230 ng

RT: 9.933 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

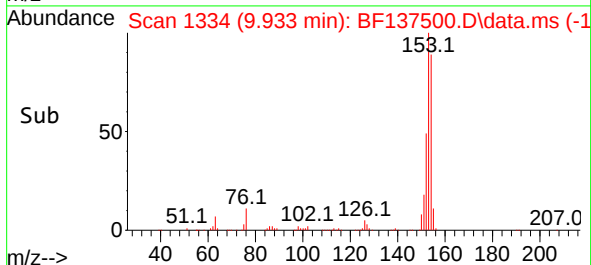
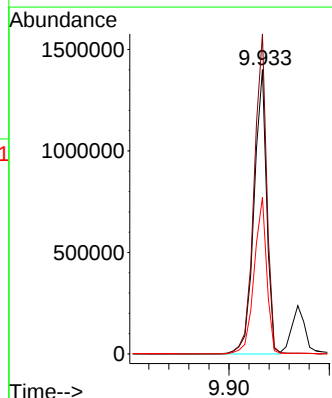
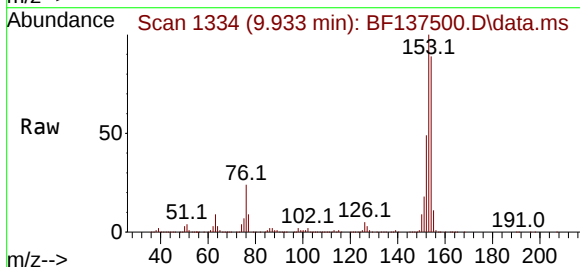
Tgt Ion:154 Resp: 1229734

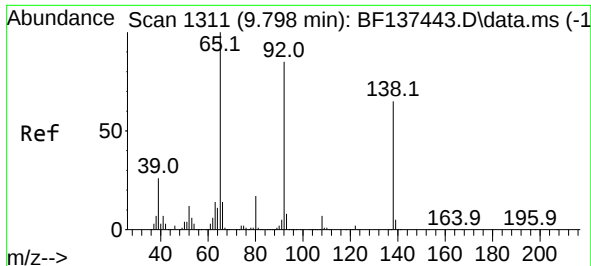
Ion Ratio Lower Upper

154 100

153 112.5 90.3 135.5

152 55.1 42.7 64.1

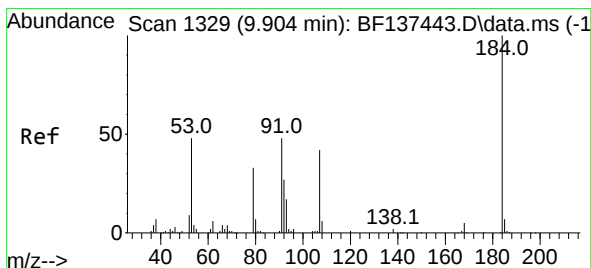
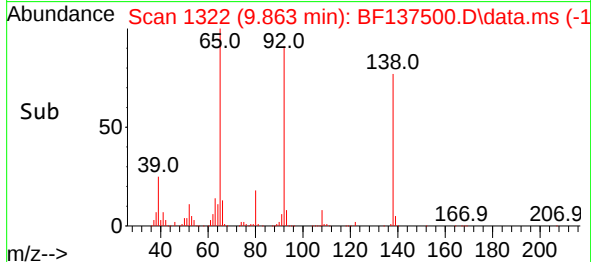
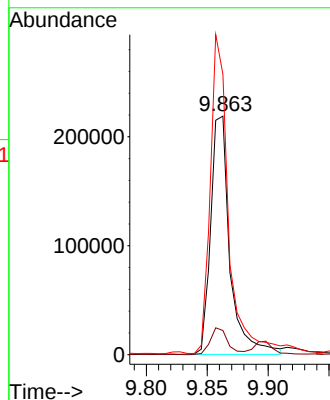
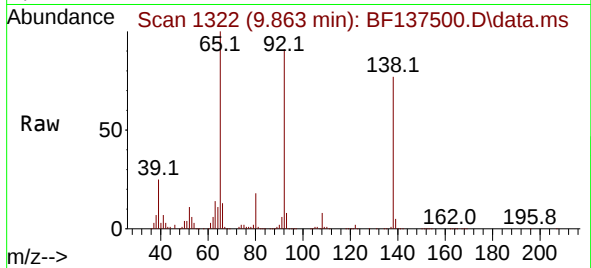




#53  
3-Nitroaniline  
Concen: 28.603 ng  
RT: 9.863 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

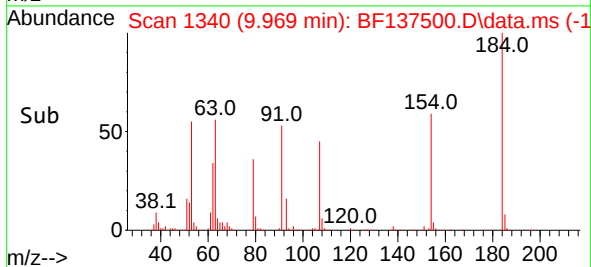
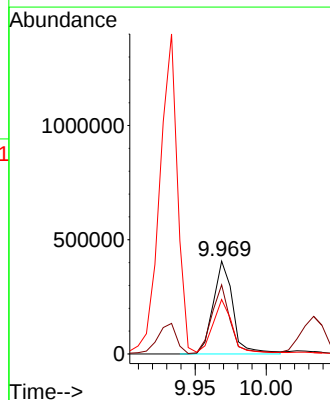
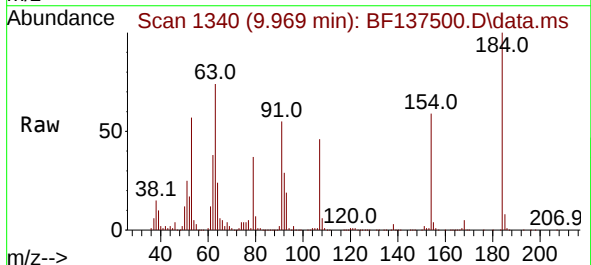
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

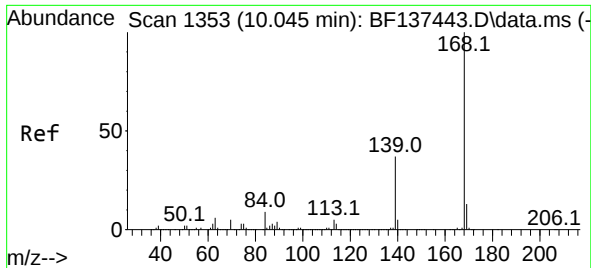
Tgt Ion:138 Resp: 240596  
Ion Ratio Lower Upper  
138 100  
108 10.1 9.1 13.7  
92 117.5 104.6 157.0



#54  
2,4-Dinitrophenol  
Concen: 98.822 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:184 Resp: 391678  
Ion Ratio Lower Upper  
184 100  
63 74.5 53.3 79.9  
154 58.7 47.4 71.0

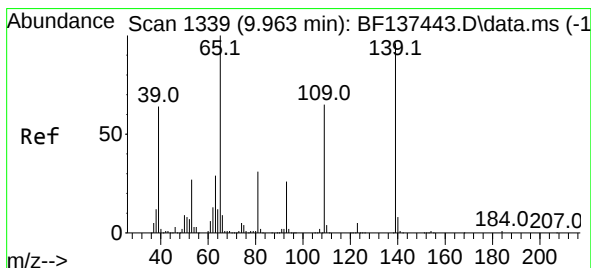
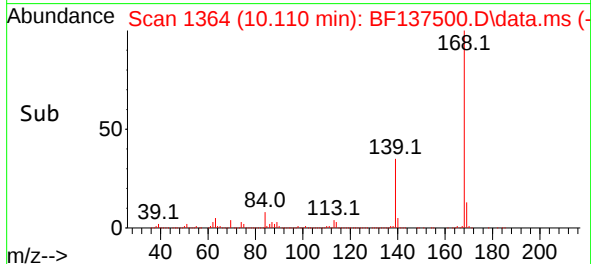
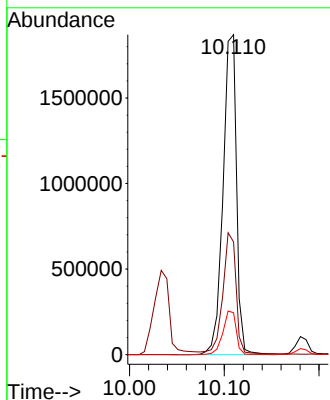
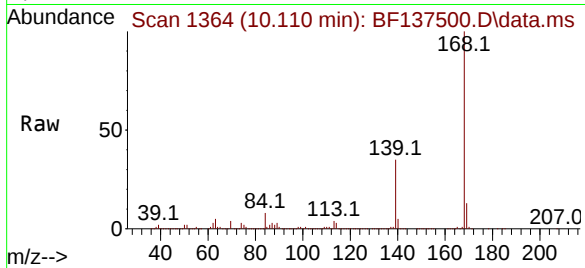




#55  
Dibenzofuran  
Concen: 41.980 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

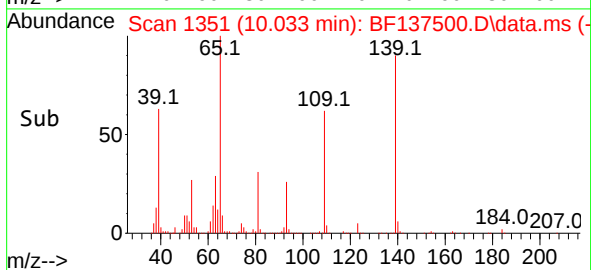
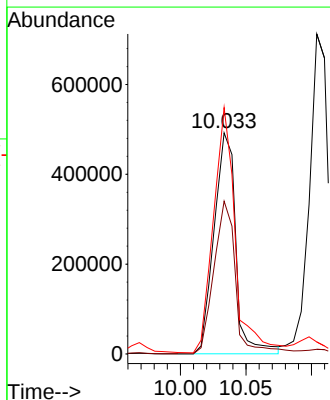
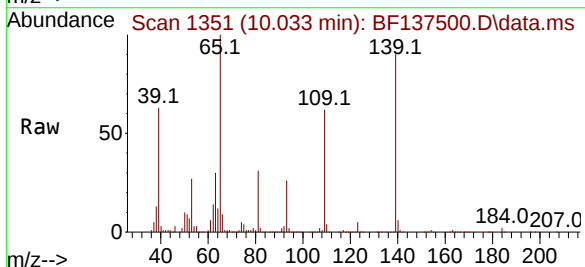
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

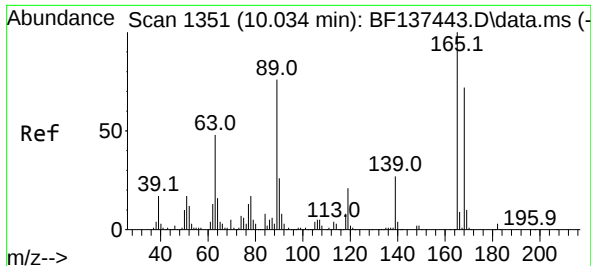
Tgt Ion:168 Resp: 1861882  
Ion Ratio Lower Upper  
168 100  
139 35.2 29.8 44.6  
169 13.1 10.8 16.2



#56  
4-Nitrophenol  
Concen: 93.923 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. 0.012 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:139 Resp: 567081  
Ion Ratio Lower Upper  
139 100  
109 69.1 47.1 87.1  
65 111.5 85.1 125.1

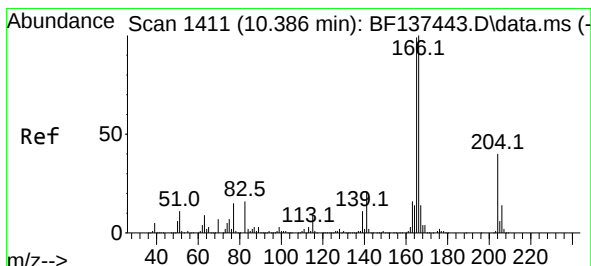
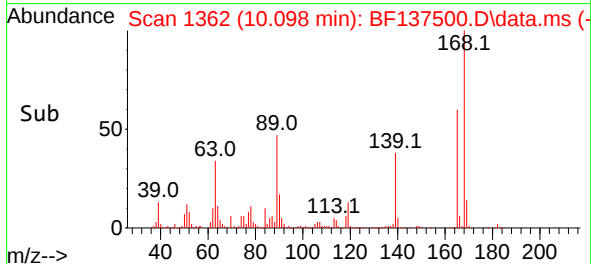
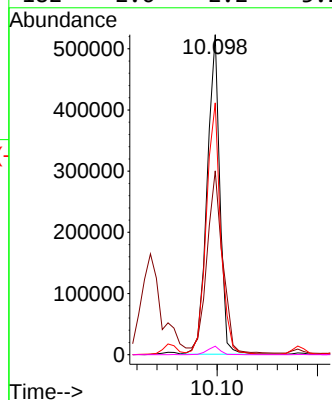
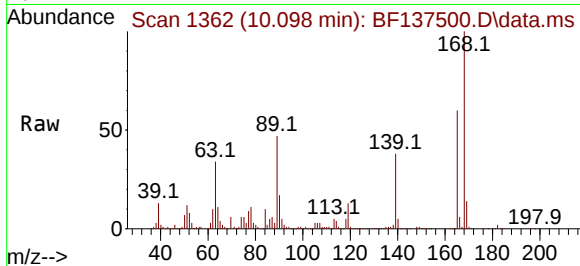




#57  
2,4-Dinitrotoluene  
Concen: 47.158 ng  
RT: 10.098 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

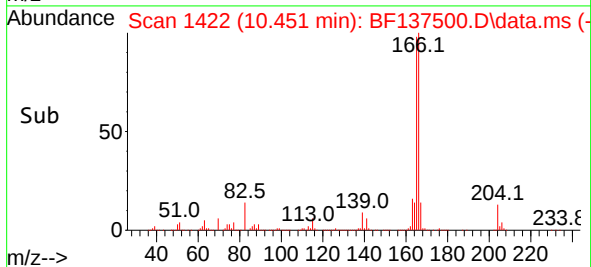
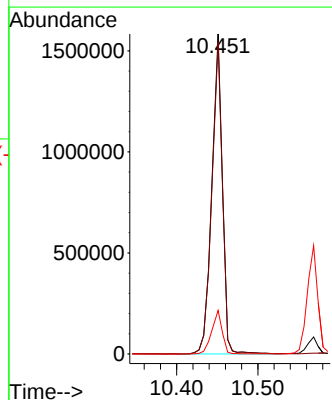
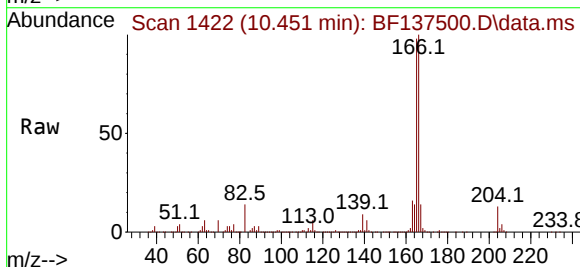
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

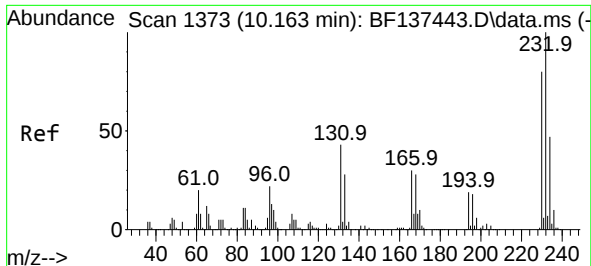
Tgt Ion:165 Resp: 460747  
Ion Ratio Lower Upper  
165 100  
63 57.5 39.0 58.6  
89 78.7 60.9 91.3  
182 2.6 2.2 3.2



#58  
Fluorene  
Concen: 41.906 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:166 Resp: 1427385  
Ion Ratio Lower Upper  
166 100  
165 97.6 79.2 118.8  
167 13.6 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.137 ng

RT: 10.180 min Scan# 11

Delta R.T. -0.041 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

Tgt Ion:232 Resp: 432369

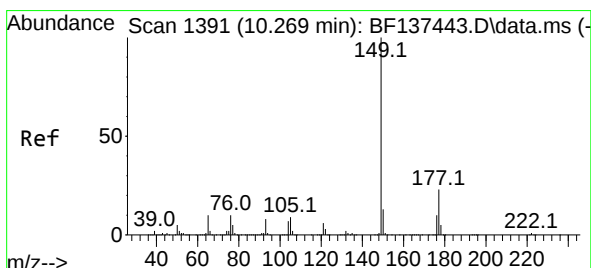
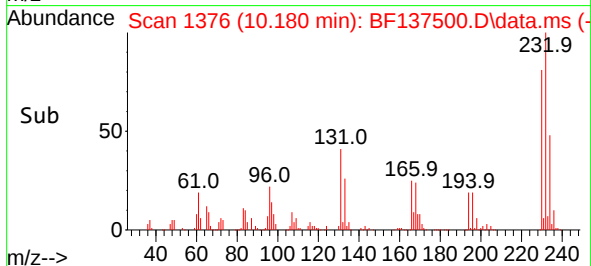
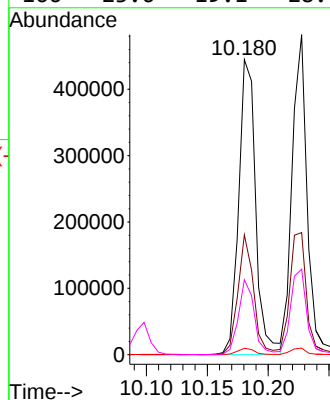
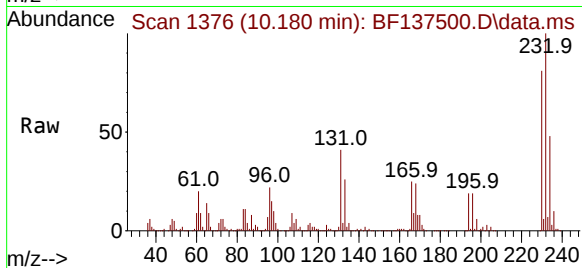
Ion Ratio Lower Upper

232 100

131 37.3 31.2 46.8

130 2.2 1.8 2.6

166 23.6 19.1 28.7



#60

Diethylphthalate

Concen: 43.961 ng

RT: 10.333 min Scan# 1402

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

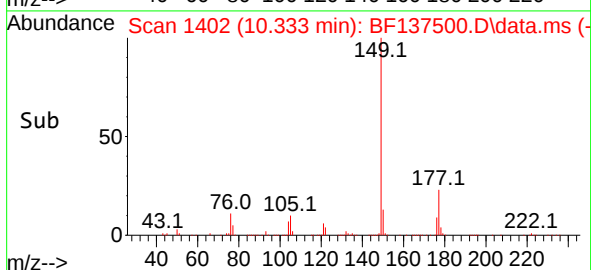
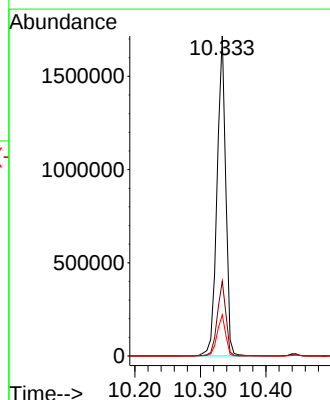
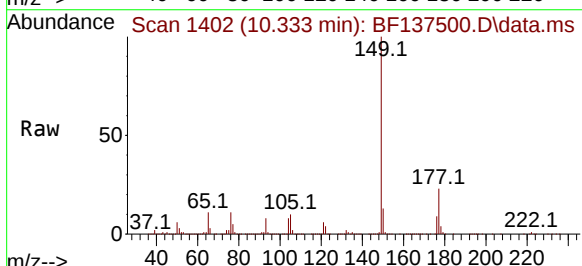
Tgt Ion:149 Resp: 1578392

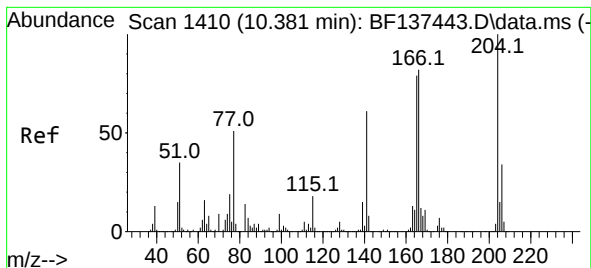
Ion Ratio Lower Upper

149 100

177 23.4 18.7 28.1

150 12.8 10.2 15.4

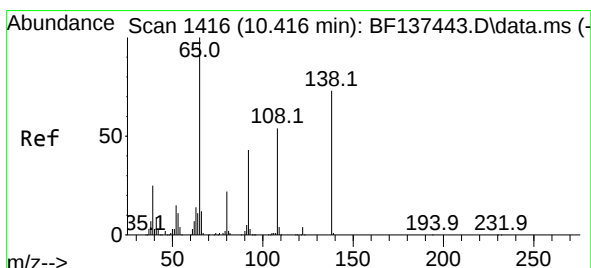
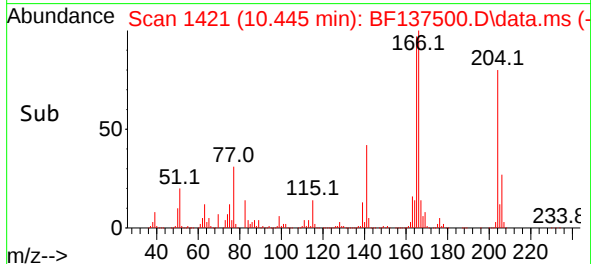
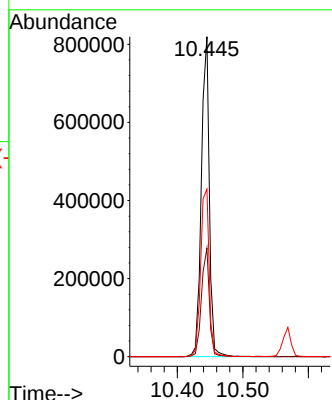
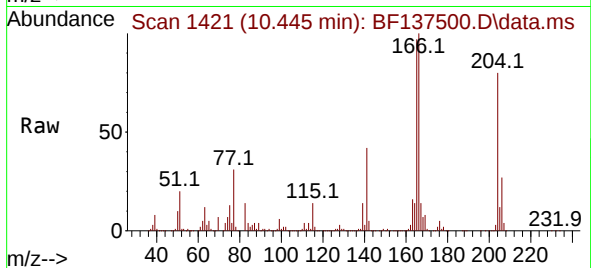




#61  
4-Chlorophenyl-phenylether  
Concen: 41.490 ng  
RT: 10.445 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

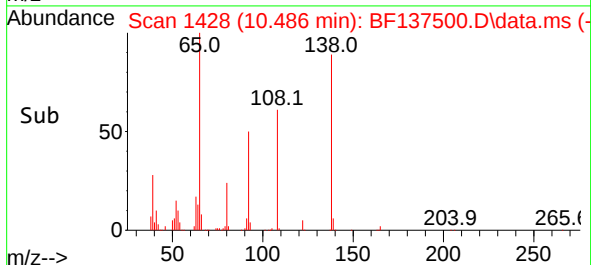
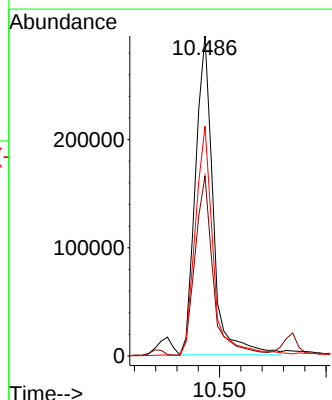
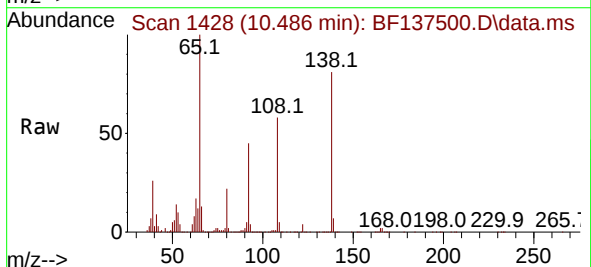
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

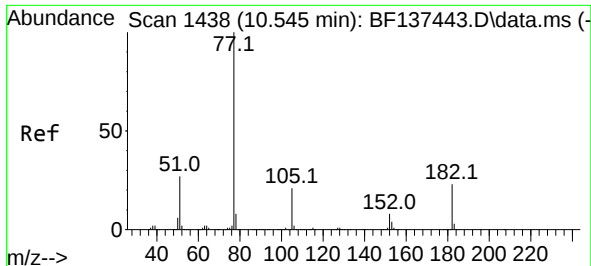
Tgt Ion:204 Resp: 692602  
Ion Ratio Lower Upper  
204 100  
206 33.9 27.4 41.0  
141 52.4 48.4 72.6



#62  
4-Nitroaniline  
Concen: 47.237 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. 0.012 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:138 Resp: 341511  
Ion Ratio Lower Upper  
138 100  
92 56.2 37.9 77.9  
108 71.8 53.2 93.2

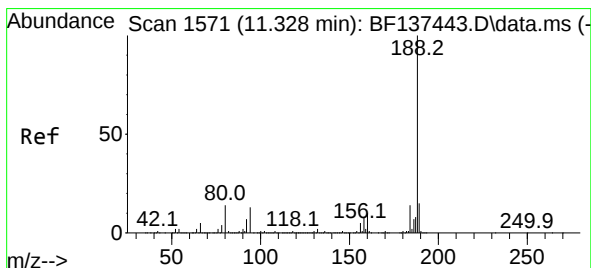
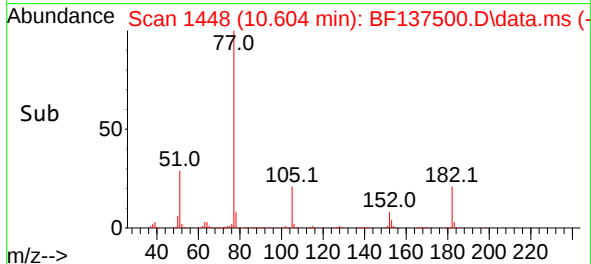
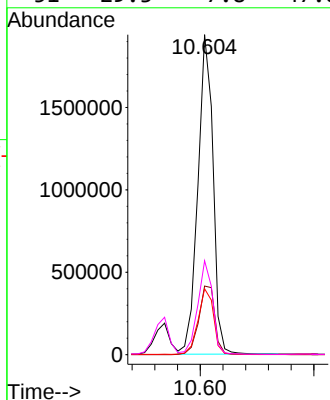
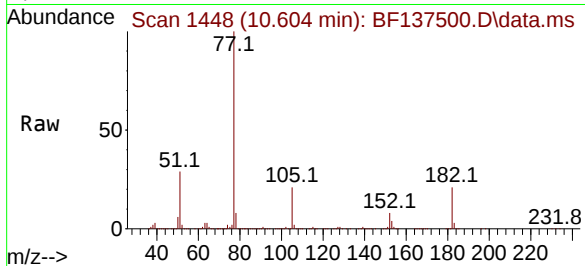




#63  
Azobenzene  
Concen: 43.498 ng  
RT: 10.604 min Scan# 1438  
Delta R.T. 0.000 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

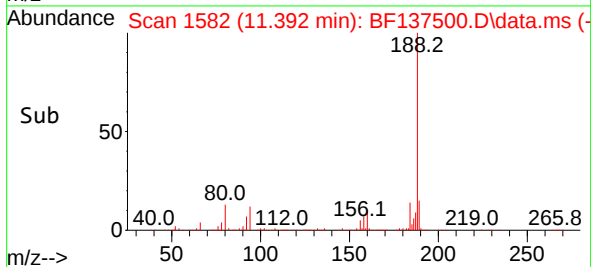
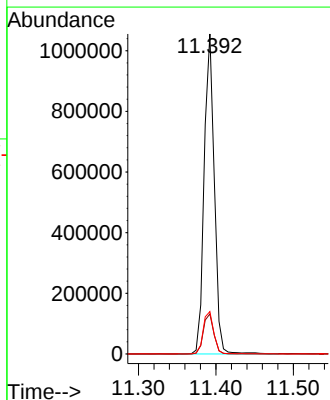
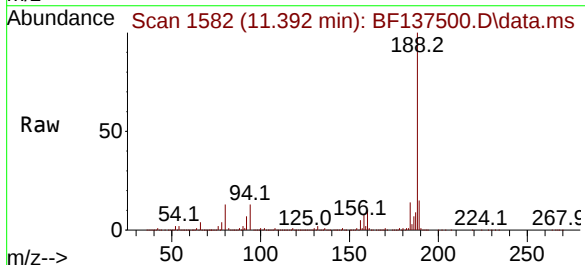
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

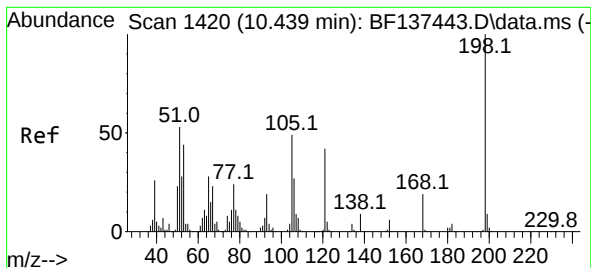
Tgt Ion: 77 Resp: 1798359  
Ion Ratio Lower Upper  
77 100  
182 21.4 3.2 43.2  
105 20.6 1.2 41.2  
51 29.3 7.8 47.8



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion: 188 Resp: 959824  
Ion Ratio Lower Upper  
188 100  
94 12.5 10.6 15.8  
80 13.3 11.5 17.3

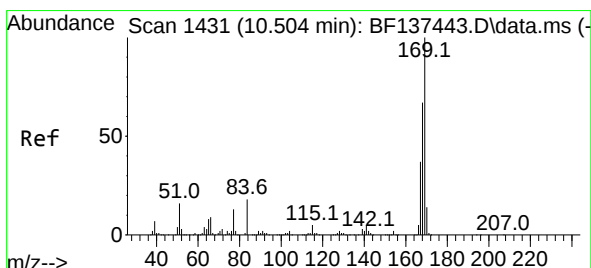
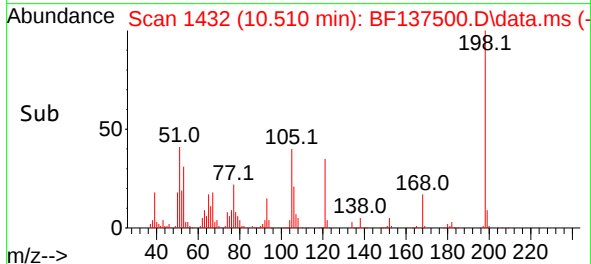
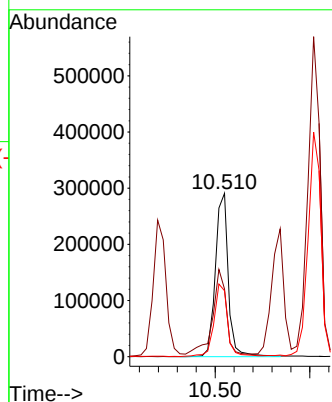
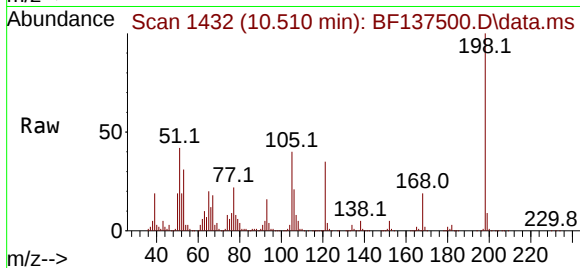




#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.624 ng  
RT: 10.510 min Scan# 1442  
Delta R.T. 0.012 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

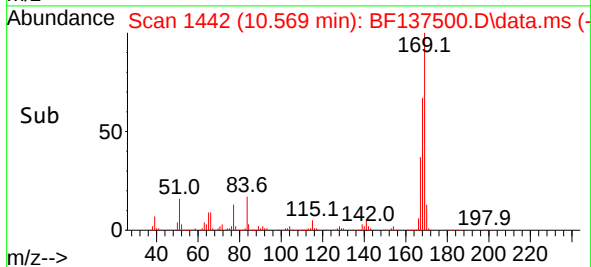
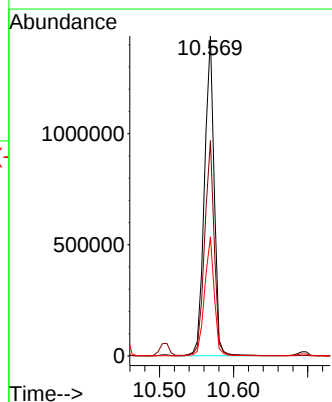
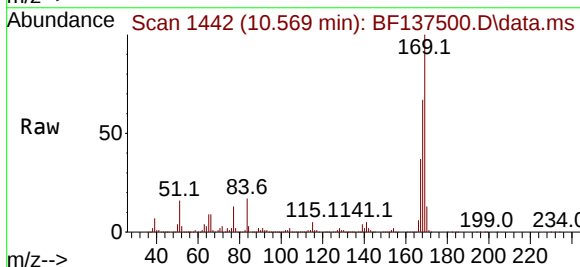
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

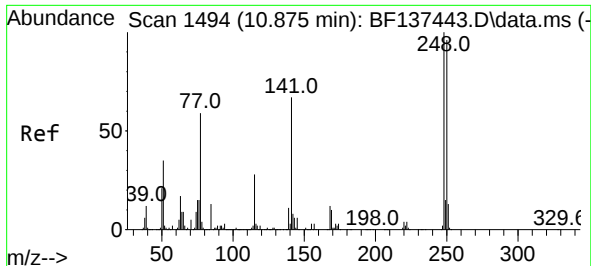
Tgt Ion:198 Resp: 276166  
Ion Ratio Lower Upper  
198 100  
51 41.5 37.2 77.2  
105 40.4 29.2 69.2



#66  
n-Nitrosodiphenylamine  
Concen: 42.608 ng  
RT: 10.569 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:169 Resp: 1316925  
Ion Ratio Lower Upper  
169 100  
168 67.3 53.8 80.6  
167 37.3 29.6 44.4

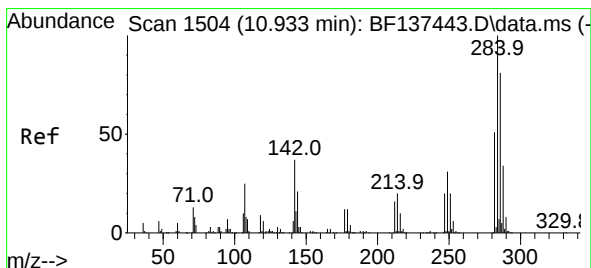
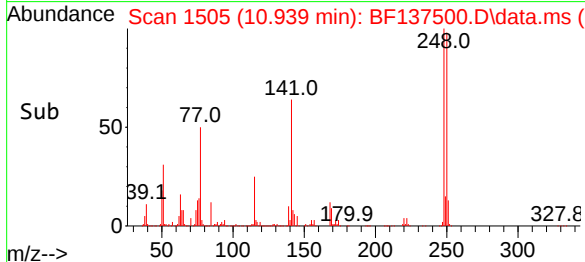
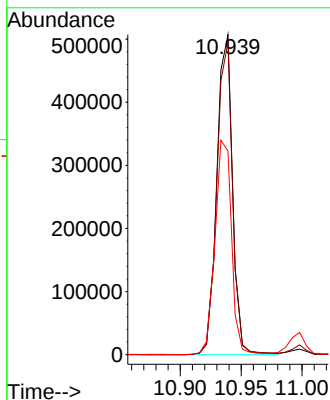
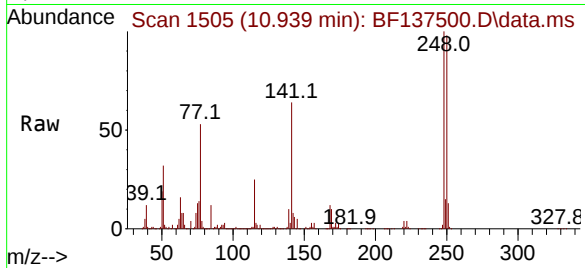




#67  
4-Bromophenyl-phenylether  
Concen: 43.841 ng  
RT: 10.939 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

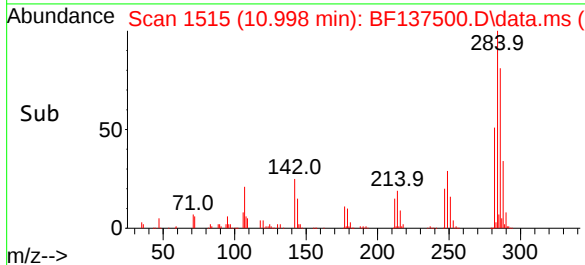
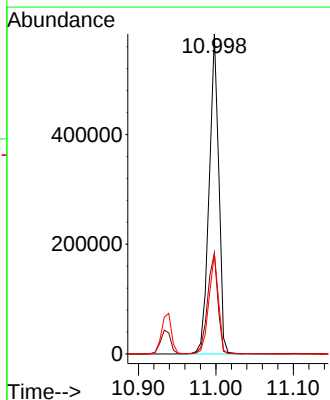
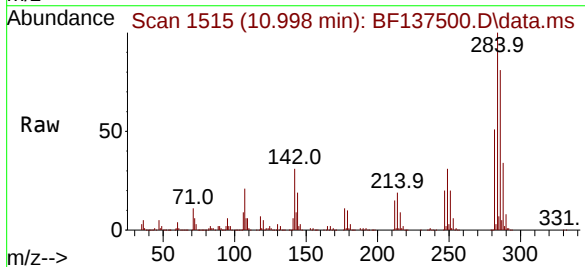
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

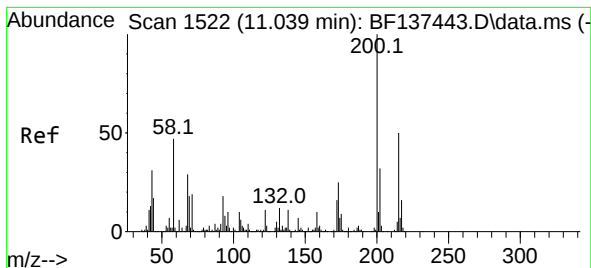
Tgt Ion:248 Resp: 458323  
Ion Ratio Lower Upper  
248 100  
250 97.7 76.8 115.2  
141 63.7 53.4 80.0



#68  
Hexachlorobenzene  
Concen: 47.552 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:284 Resp: 502098  
Ion Ratio Lower Upper  
284 100  
142 31.4 29.4 44.0  
249 31.4 25.0 37.4





#69

Atrazine

Concen: 41.442 ng

RT: 11.104 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

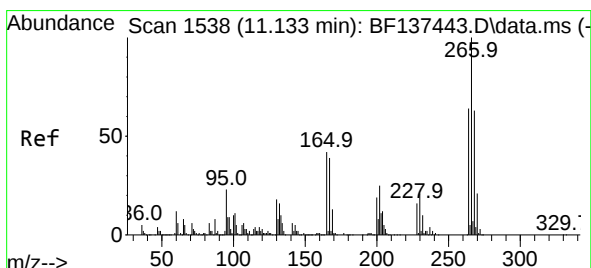
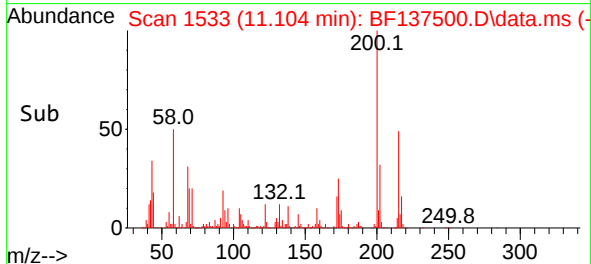
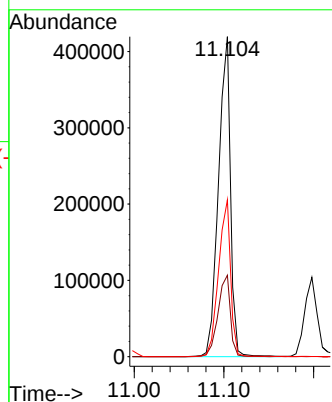
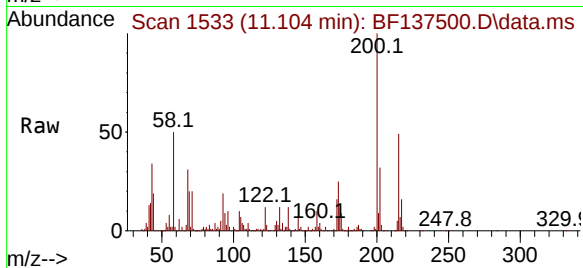
Tgt Ion:200 Resp: 389379

Ion Ratio Lower Upper

200 100

173 25.5 5.1 45.1

215 49.0 30.4 70.4



#70

Pentachlorophenol

Concen: 89.156 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

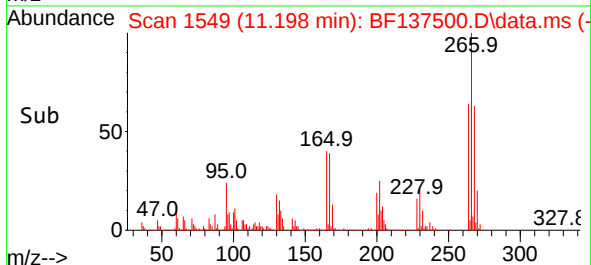
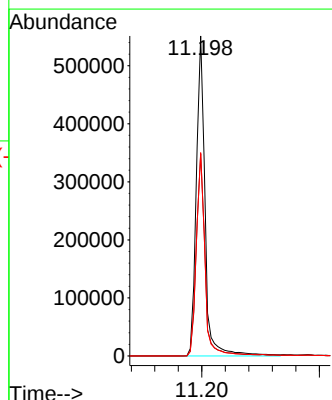
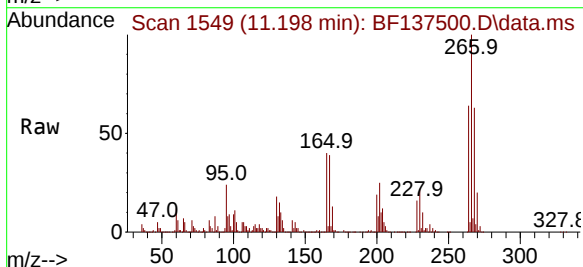
Tgt Ion:266 Resp: 569085

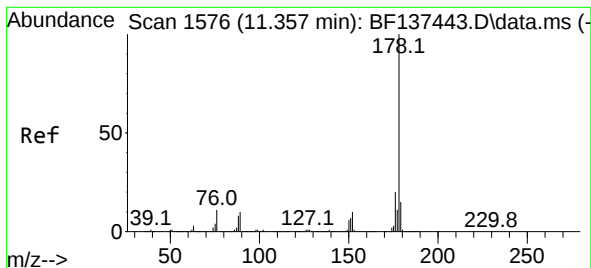
Ion Ratio Lower Upper

266 100

268 63.2 50.2 75.2

264 63.6 50.9 76.3





#71

Phenanthrene

Concen: 42.303 ng

RT: 11.416 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

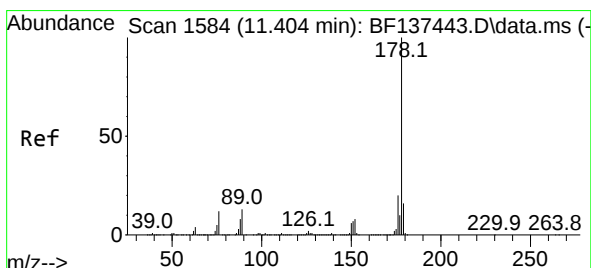
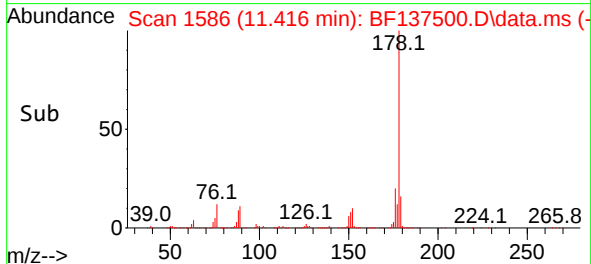
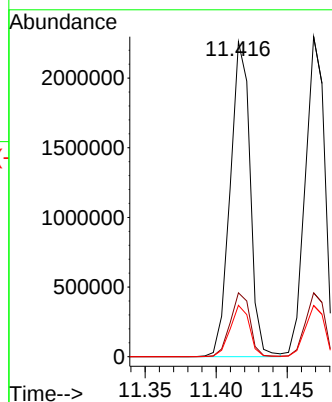
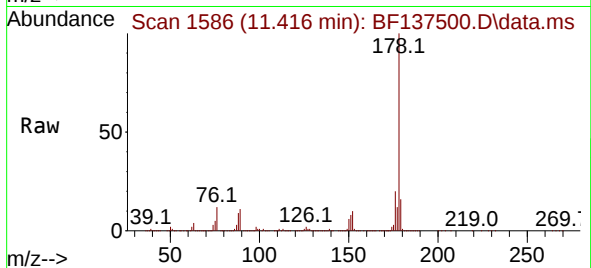
Tgt Ion:178 Resp: 2209728

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.8

179 16.3 12.2 18.2



#72

Anthracene

Concen: 41.715 ng

RT: 11.469 min Scan# 1595

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

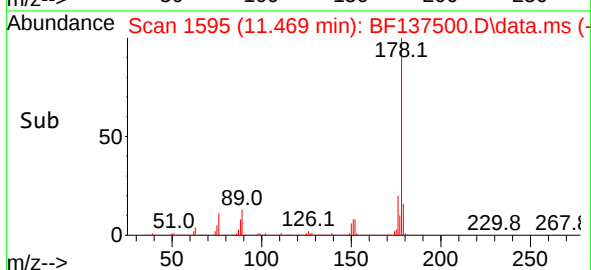
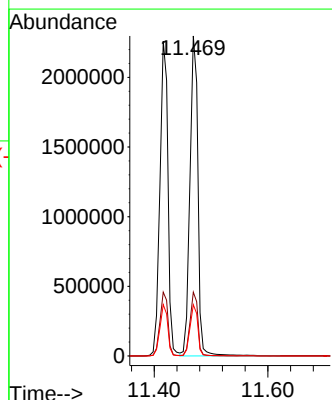
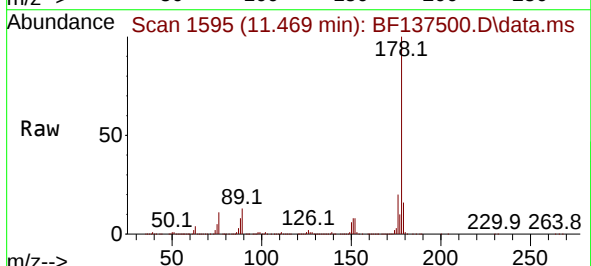
Tgt Ion:178 Resp: 2237970

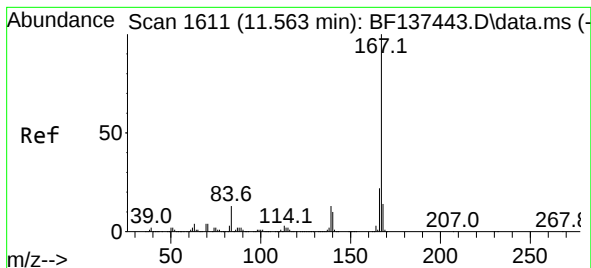
Ion Ratio Lower Upper

178 100

176 20.0 15.7 23.5

179 16.0 12.7 19.1





#73

Carbazole

Concen: 44.218 ng

RT: 11.627 min Scan# 1622

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

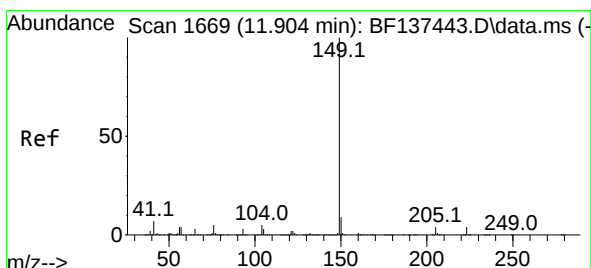
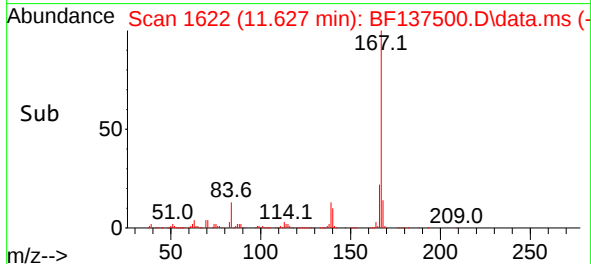
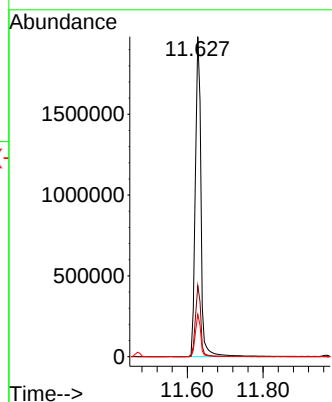
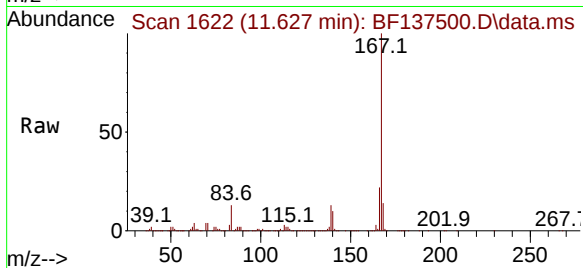
Tgt Ion:167 Resp: 2031993

Ion Ratio Lower Upper

167 100

166 22.2 17.8 26.8

139 13.2 10.5 15.7



#74

Di-n-butylphthalate

Concen: 43.911 ng

RT: 11.963 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

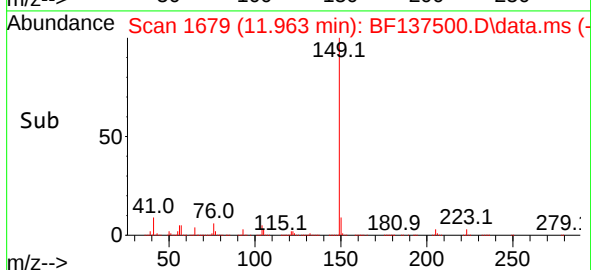
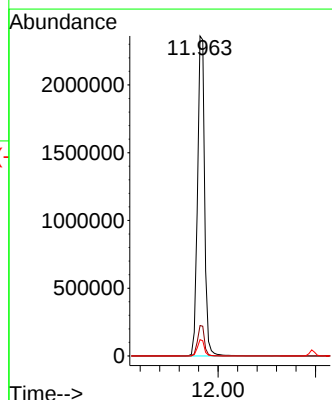
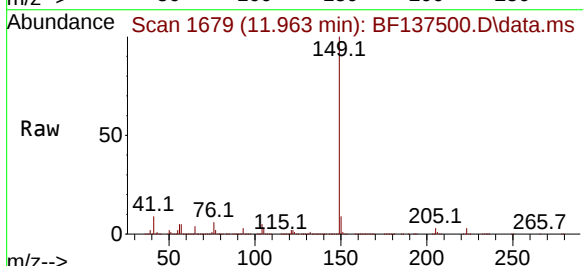
Tgt Ion:149 Resp: 2400828

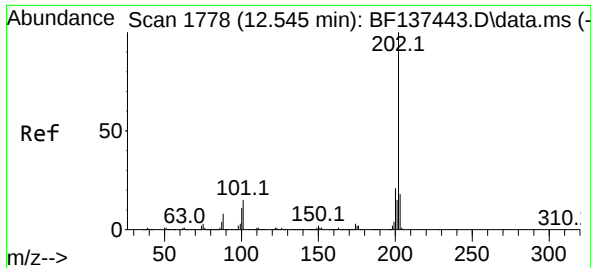
Ion Ratio Lower Upper

149 100

150 9.5 7.4 11.0

104 5.1 3.8 5.6

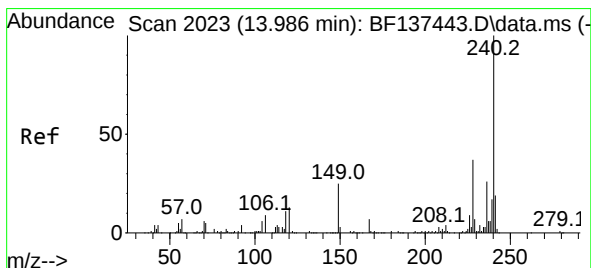
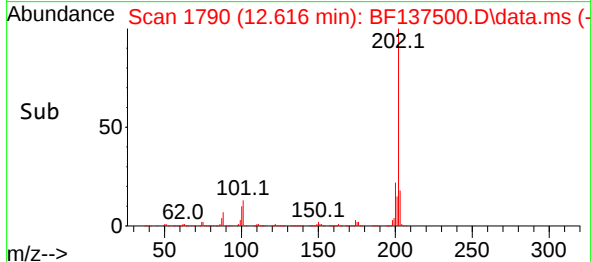
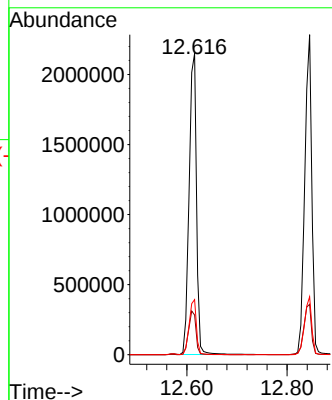
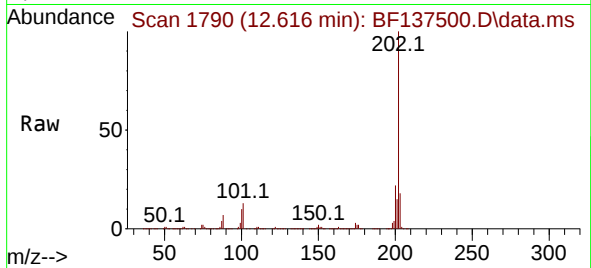




#75  
Fluoranthene  
Concen: 43.145 ng  
RT: 12.616 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

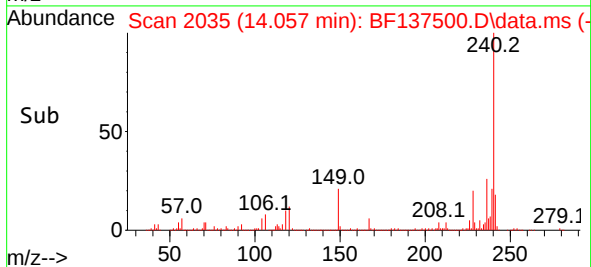
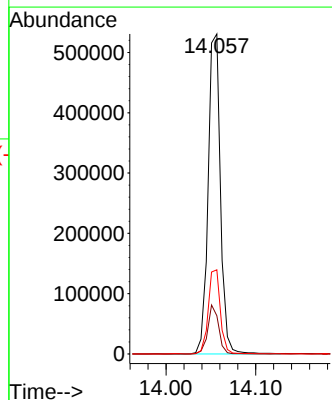
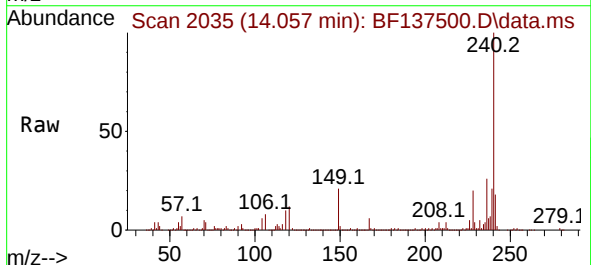
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

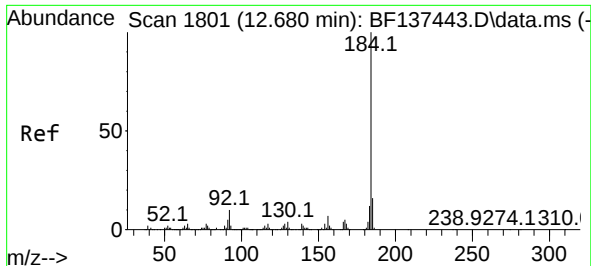
Tgt Ion:202 Resp: 2202954  
Ion Ratio Lower Upper  
202 100  
101 13.2 0.0 35.0  
203 18.3 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.057 min Scan# 2035  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:240 Resp: 505678  
Ion Ratio Lower Upper  
240 100  
120 12.0 10.4 15.6  
236 26.3 20.9 31.3

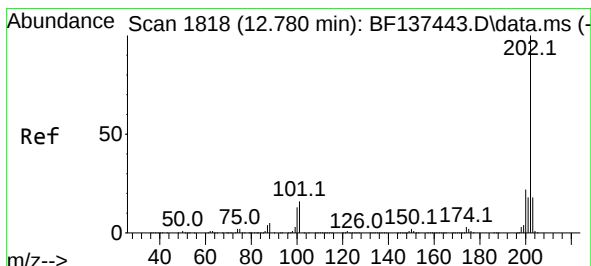
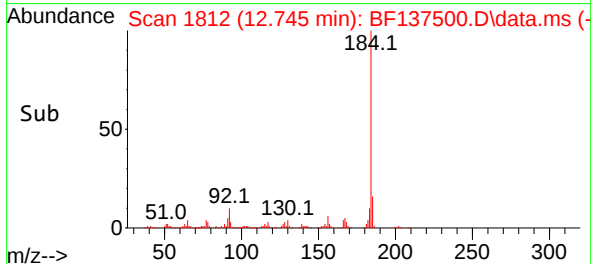
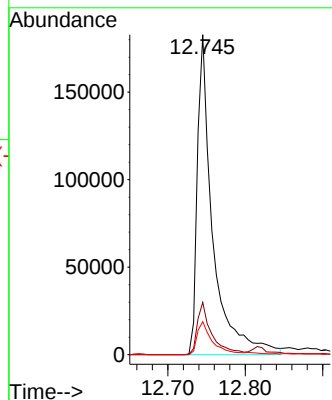
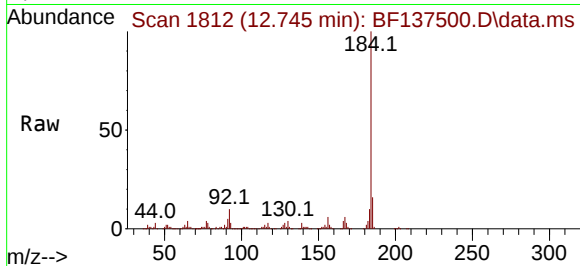




#77  
Benzidine  
Concen: 20.430 ng  
RT: 12.745 min Scan# 1812  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

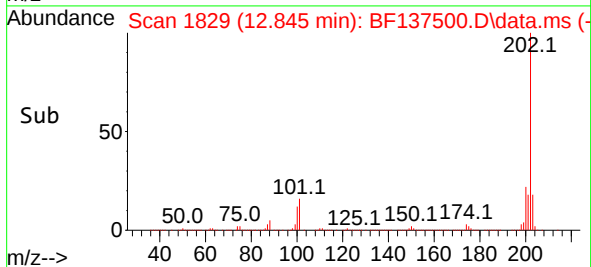
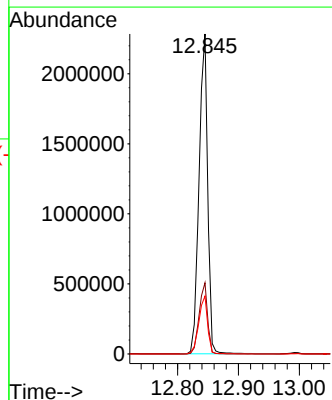
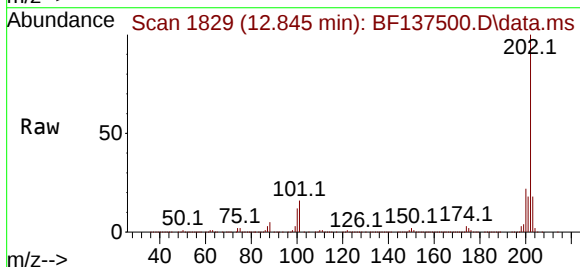
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

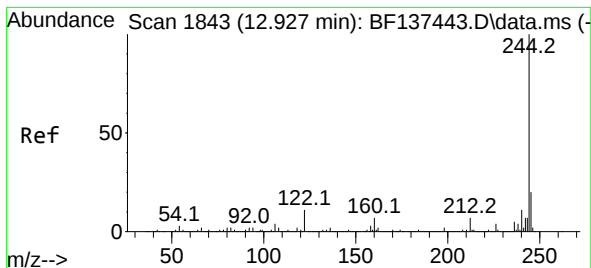
Tgt Ion:184 Resp: 252829  
Ion Ratio Lower Upper  
184 100  
185 16.3 13.2 19.8  
183 10.3 9.3 13.9



#78  
Pyrene  
Concen: 45.281 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:202 Resp: 2246752  
Ion Ratio Lower Upper  
202 100  
200 22.3 17.4 26.2  
203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 87.432 ng

RT: 12.992 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

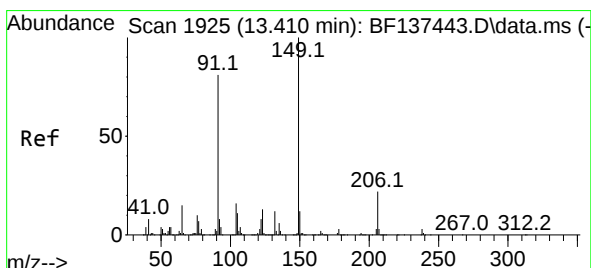
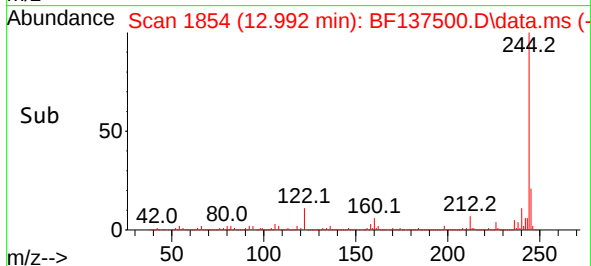
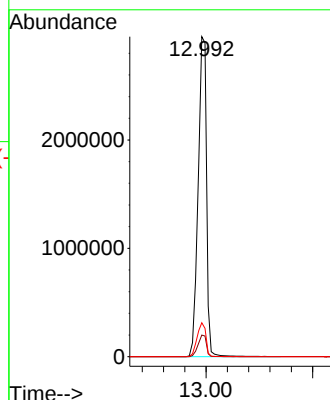
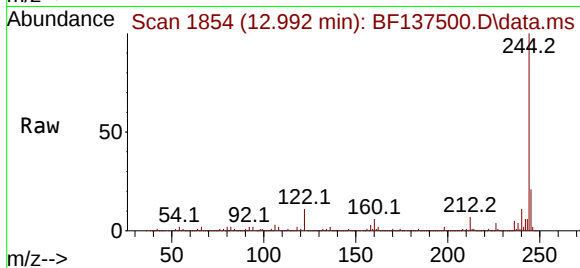
Tgt Ion:244 Resp: 3215214

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.6 9.1 13.7



#80

Butylbenzylphthalate

Concen: 56.475 ng

RT: 13.474 min Scan# 1936

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

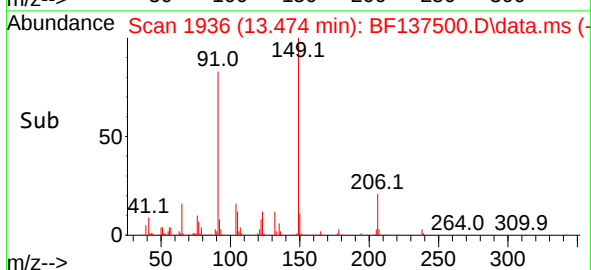
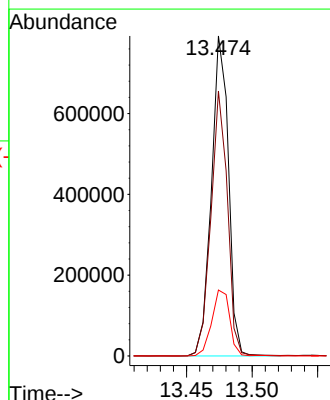
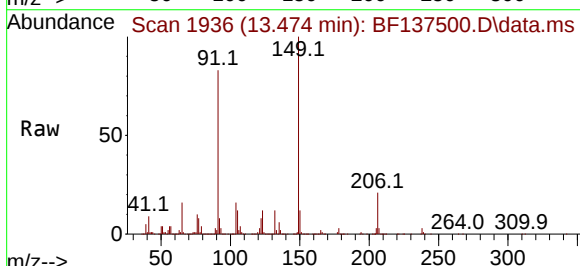
Tgt Ion:149 Resp: 715639

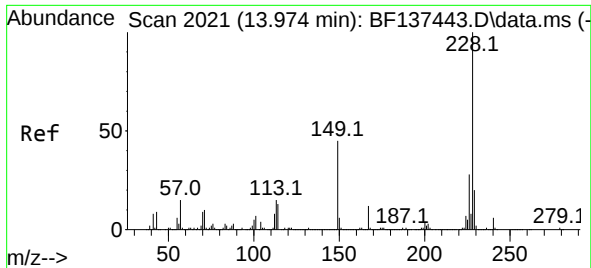
Ion Ratio Lower Upper

149 100

91 82.8 64.7 97.1

206 20.6 17.5 26.3

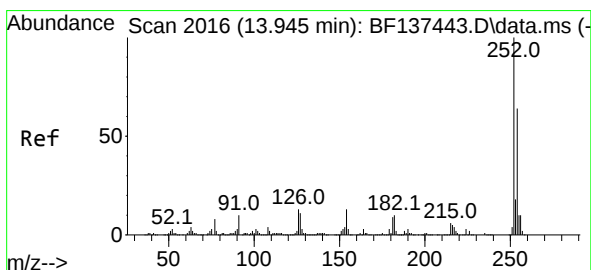
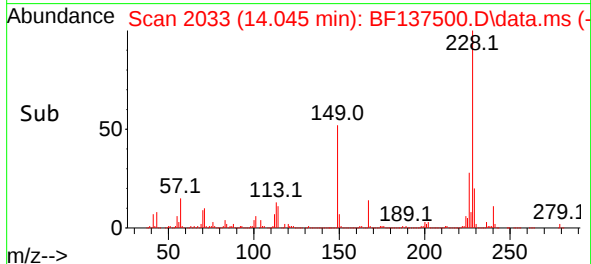
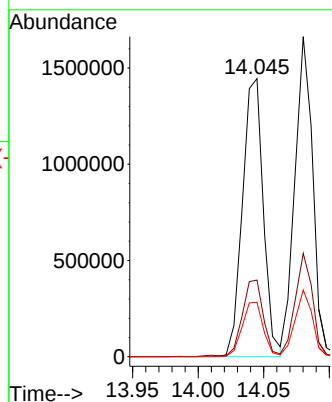
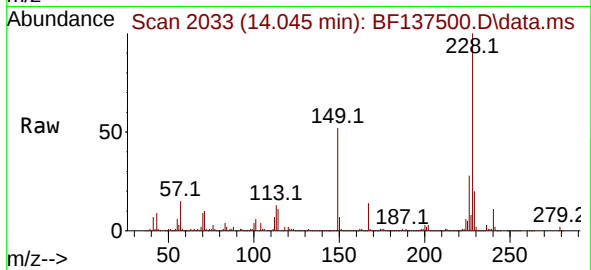




#81  
Benzo(a)anthracene  
Concen: 45.160 ng  
RT: 14.045 min Scan# 2027  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

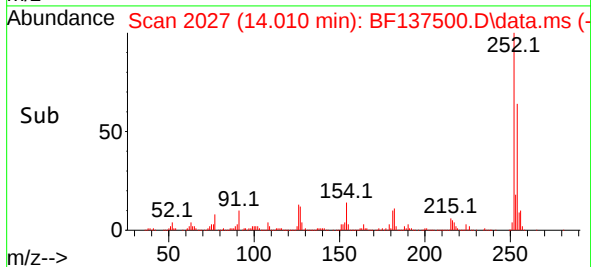
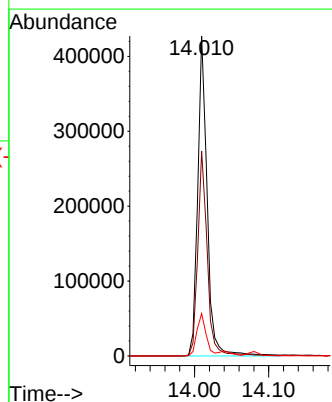
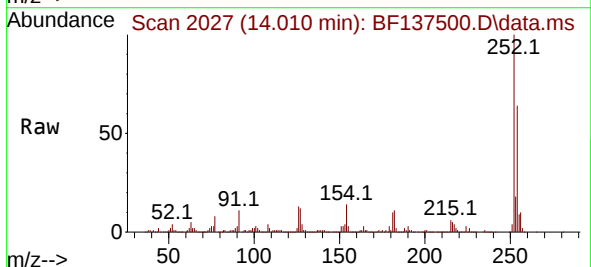
Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

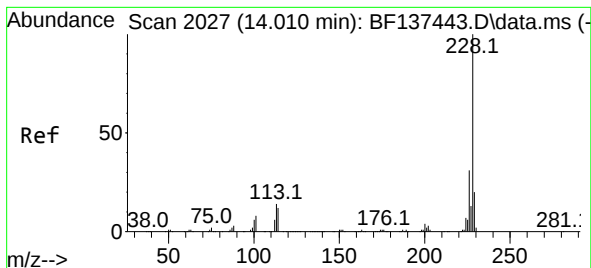
Tgt Ion:228 Resp: 1600589  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.3 33.5  
229 19.6 16.3 24.5



#82  
3,3'-Dichlorobenzidine  
Concen: 40.082 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. 0.006 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:252 Resp: 378310  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.4 77.2  
126 13.2 10.4 15.6





#83

Chrysene

Concen: 44.587 ng

RT: 14.080 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

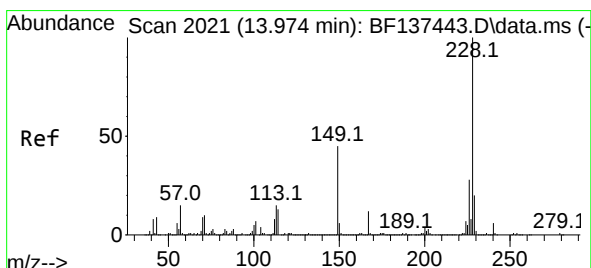
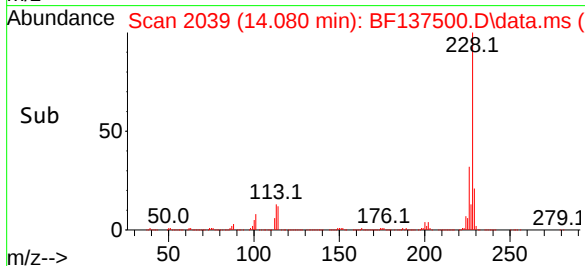
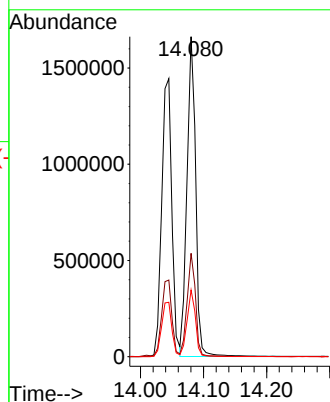
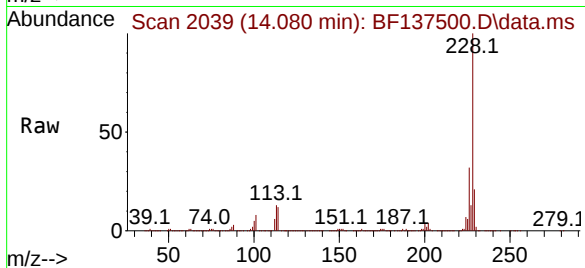
Tgt Ion:228 Resp: 1597174

Ion Ratio Lower Upper

228 100

226 32.3 24.7 37.1

229 20.9 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 53.374 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

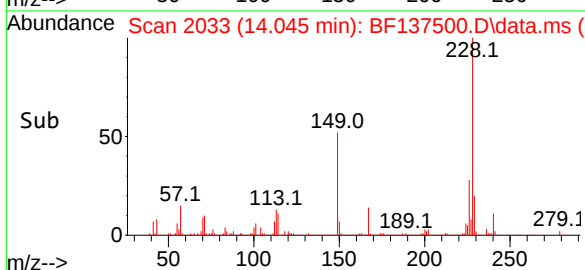
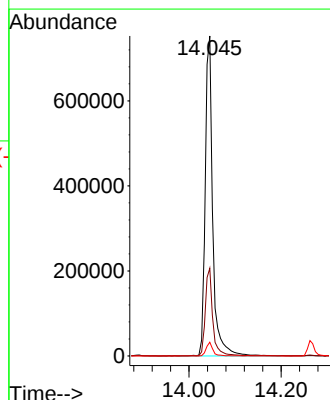
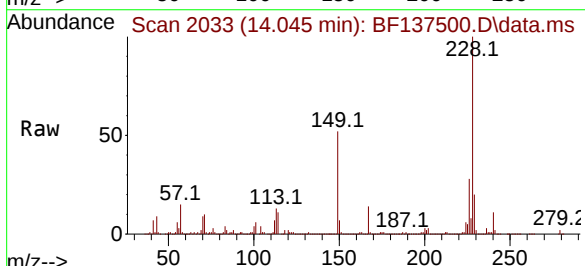
Tgt Ion:149 Resp: 859661

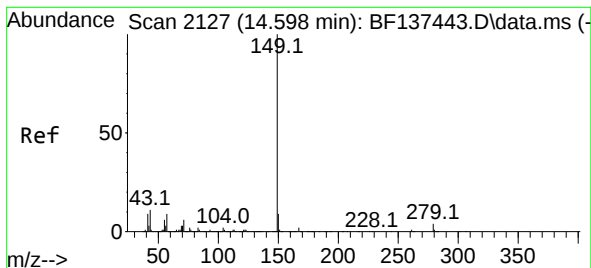
Ion Ratio Lower Upper

149 100

167 27.4 21.3 31.9

279 4.3 2.6 4.0#





#85

Di-n-octyl phthalate

Concen: 46.863 ng

RT: 14.668 min Scan# 2127

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

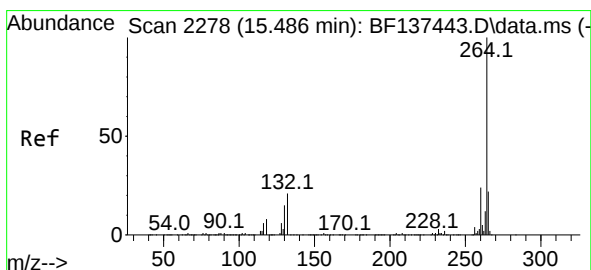
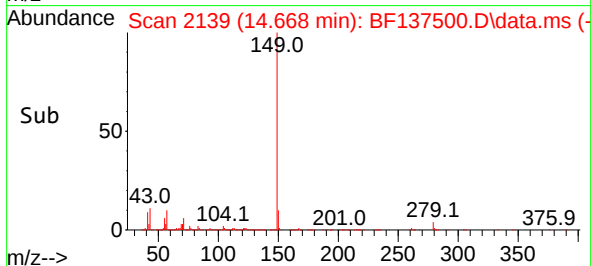
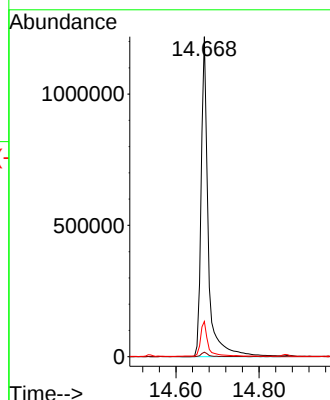
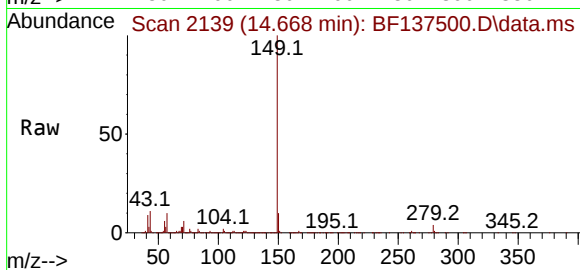
Tgt Ion:149 Resp: 1450013

Ion Ratio Lower Upper

149 100

167 1.4 1.2 1.8

43 11.3 9.6 14.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.580 min Scan# 2294

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

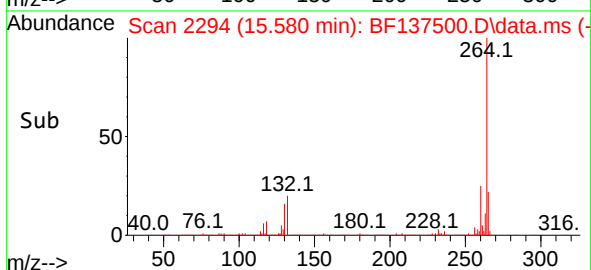
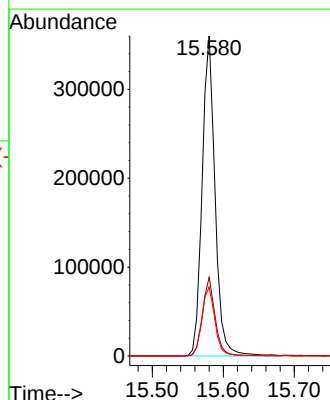
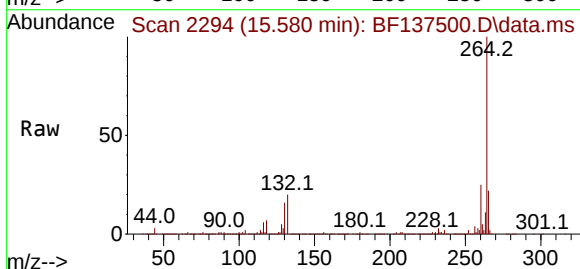
Tgt Ion:264 Resp: 456854

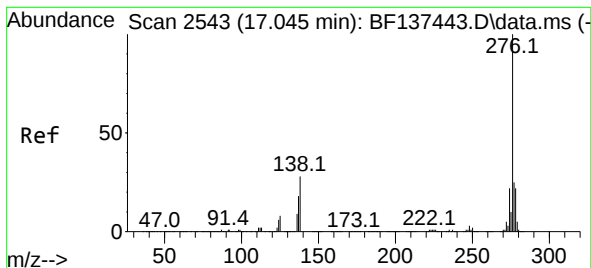
Ion Ratio Lower Upper

264 100

260 24.6 19.3 28.9

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.982 ng

RT: 17.168 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

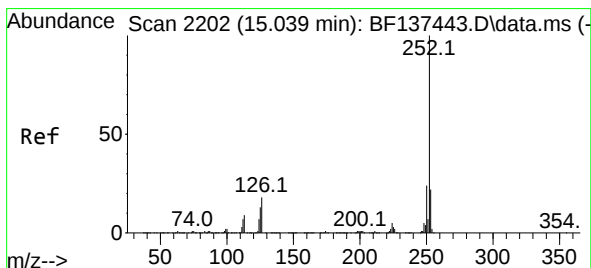
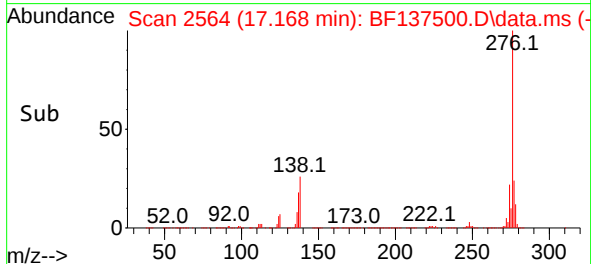
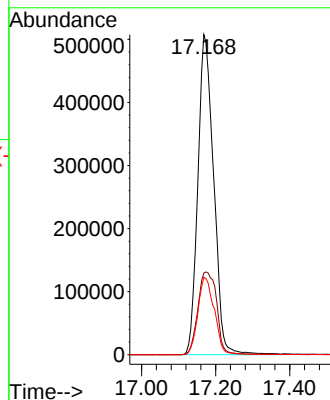
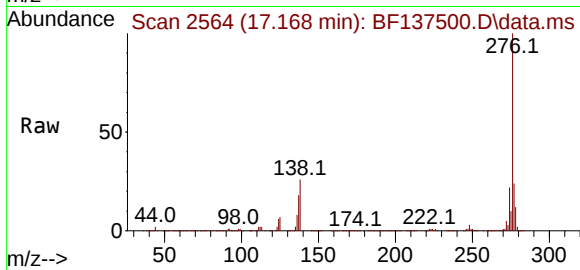
Tgt Ion:276 Resp: 1502652

Ion Ratio Lower Upper

276 100

138 30.7 25.8 38.8

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 49.549 ng

RT: 15.127 min Scan# 2217

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

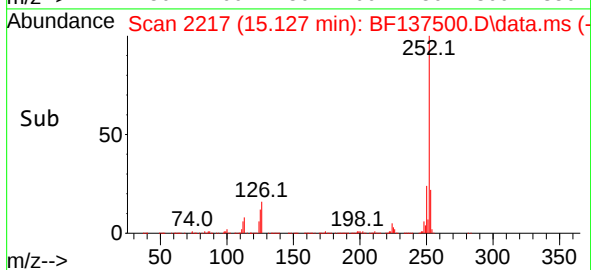
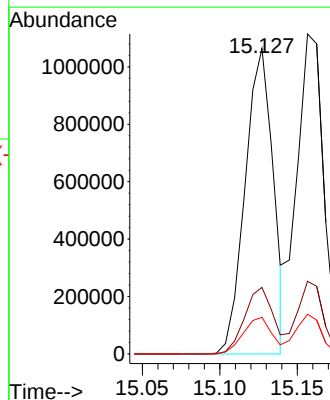
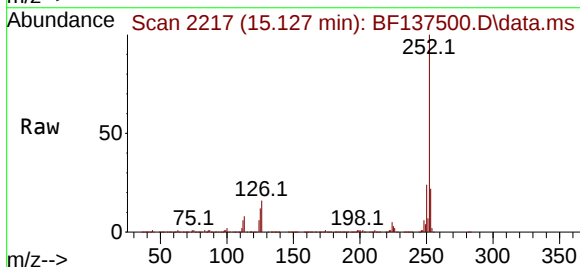
Tgt Ion:252 Resp: 1339054

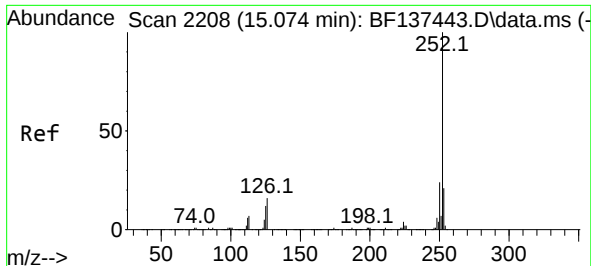
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 12.0 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 47.064 ng

RT: 15.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

Instrument :

BNA\_F

ClientSampleId :

PB159437BS

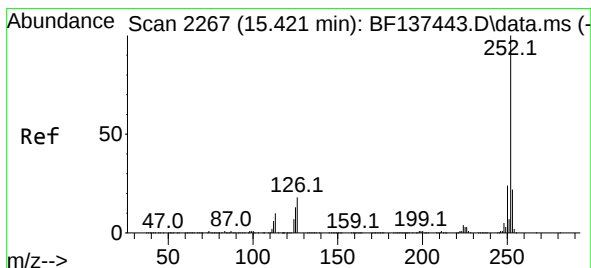
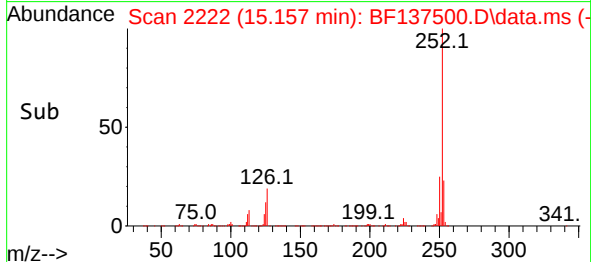
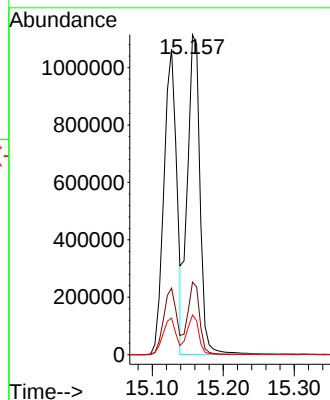
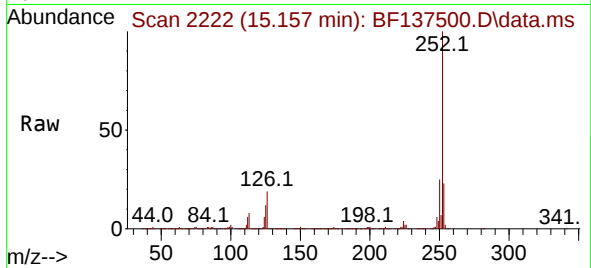
Tgt Ion:252 Resp: 1366144

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 12.4 9.6 14.4



#90

Benzo(a)pyrene

Concen: 46.762 ng

RT: 15.515 min Scan# 2283

Delta R.T. 0.012 min

Lab File: BF137500.D

Acq: 05 Mar 2024 14:55

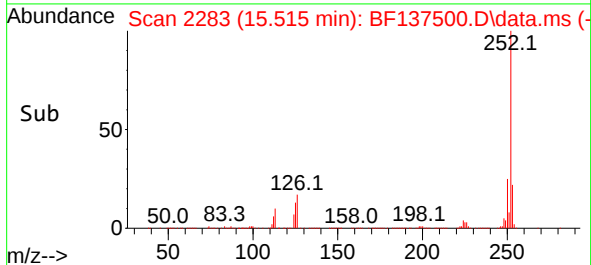
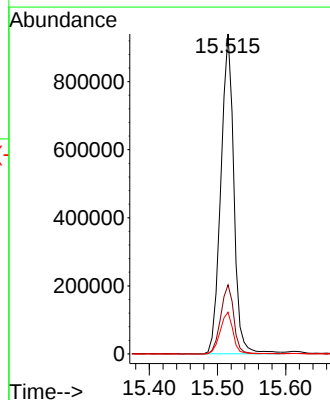
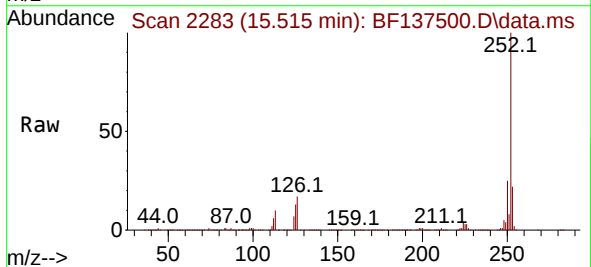
Tgt Ion:252 Resp: 1245334

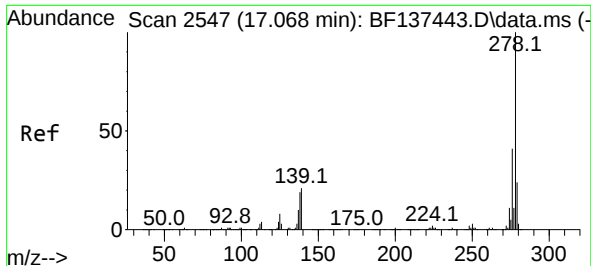
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.2

125 13.0 10.4 15.6

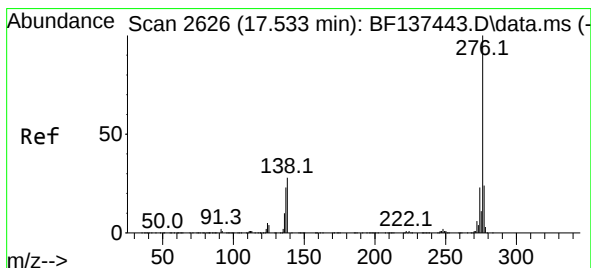
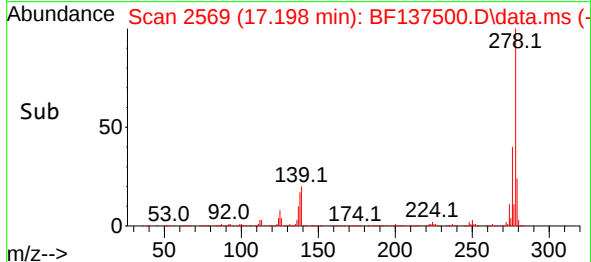
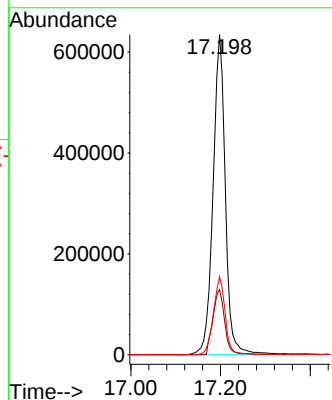
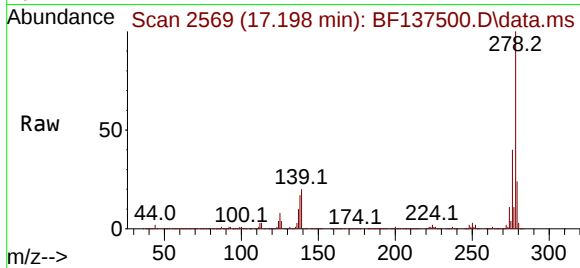




#91  
Dibenzo(a,h)anthracene  
Concen: 49.649 ng  
RT: 17.198 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB159437BS

Tgt Ion:278 Resp: 1210847  
Ion Ratio Lower Upper  
278 100  
139 20.4 17.0 25.6  
279 24.4 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 48.986 ng  
RT: 17.656 min Scan# 2647  
Delta R.T. 0.018 min  
Lab File: BF137500.D  
Acq: 05 Mar 2024 14:55

Tgt Ion:276 Resp: 1226921  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.0 28.4  
138 26.9 22.2 33.2

