

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112724\  
 Data File : BF140678.D  
 Acq On : 27 Nov 2024 18:50  
 Operator : RC/JU  
 Sample : P5005-01MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD

Quant Time: Nov 28 00:12:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 83621    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 313052   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 159642   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 255191   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 158828   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 124917   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 516116   | 105.309 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 692847   | 106.934 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 438785   | 71.694  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 166839   | 97.716  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.228  | 172  | 800817   | 74.740  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 699432   | 68.571  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.687  | 88   | 83239    | 40.395  | ng    | 99       |
| 3) Pyridine                   | 3.451  | 79   | 179942   | 39.689  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.404  | 42   | 113812   | 42.712  | ng    | 95       |
| 6) Aniline                    | 6.534  | 93   | 175342   | 38.449  | ng    | # 69     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 247635   | 46.965  | ng    | 95       |
| 9) Benzaldehyde               | 6.422  | 77   | 96400    | 28.105  | ng    | 98       |
| 10) Phenol                    | 6.528  | 94   | 314146   | 47.476  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 227225   | 44.876  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 257307   | 43.430  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 259586   | 43.272  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 249790   | 44.437  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 224750   | 46.775  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 275967   | 46.134  | ng    | 84       |
| 17) 2-Methylphenol            | 7.134  | 107  | 193064   | 45.742  | ng    | 96       |
| 18) Hexachloroethane          | 7.381  | 117  | 94082    | 41.991  | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 172952   | 45.167  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 249567   | 46.002  | ng    | # 91     |
| 22) Acetophenone              | 7.281  | 105  | 336783   | 44.127  | ng    | 97       |
| 24) Nitrobenzene              | 7.457  | 77   | 268976   | 42.523  | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 461738   | 45.233  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 128931   | 45.995  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 184427   | 54.988  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 286004   | 45.990  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 202465   | 45.557  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 216811   | 42.728  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 706915   | 43.840  | ng    | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 118113   | 41.597  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 73232    | 15.169  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 141873   | 42.212  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 50587    | 36.781  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 217063   | 43.623  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 458421   | 44.759  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 422914   | 42.127  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 222203   | 47.545  | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 97253    | 91.431  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 139734   | 47.649  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112724\  
 Data File : BF140678.D  
 Acq On : 27 Nov 2024 18:50  
 Operator : RC/JU  
 Sample : P5005-01MSD  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

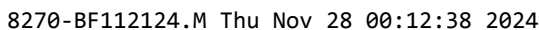
Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD

Quant Time: Nov 28 00:12:32 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 141874   | 44.577 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.328  | 154  | 561491   | 47.109 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 409644   | 45.358 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 132277   | 45.631 | ng    | 96       |
| 49) Acenaphthylene            | 9.769  | 152  | 652875   | 47.845 | ng    | 99       |
| 50) Dimethylphthalate         | 9.628  | 163  | 501271   | 47.677 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 103179   | 43.271 | ng    | 94       |
| 52) Acenaphthene              | 9.945  | 154  | 397051   | 45.794 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.869  | 138  | 72162    | 30.942 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 75570    | 63.032 | ng    | 95       |
| 55) Dibenzofuran              | 10.116 | 168  | 589559   | 44.579 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 126559   | 79.571 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 135538   | 42.769 | ng    | 97       |
| 58) Fluorene                  | 10.457 | 166  | 451074   | 42.492 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 111103   | 45.422 | ng    | 94       |
| 60) Diethylphthalate          | 10.328 | 149  | 487451   | 45.631 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 225357   | 43.258 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.480 | 138  | 89628    | 36.643 | ng    | 95       |
| 63) Azobenzene                | 10.610 | 77   | 509524   | 50.367 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 52864    | 40.539 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 385012   | 51.018 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 128030   | 48.716 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 139613   | 45.879 | ng    | 100      |
| 69) Atrazine                  | 11.092 | 200  | 121776   | 57.360 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 122981   | 91.823 | ng    | 100      |
| 71) Phenanthrene              | 11.422 | 178  | 590720   | 48.156 | ng    | 100      |
| 72) Anthracene                | 11.475 | 178  | 589395   | 49.119 | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 525152   | 45.494 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 658069   | 49.380 | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 668736   | 50.211 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 122379   | 26.501 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 668279   | 45.506 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 259631   | 49.076 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 523597   | 49.801 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 124133   | 39.324 | ng    | 98       |
| 83) Chrysene                  | 14.074 | 228  | 450188   | 46.828 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 349154   | 52.267 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 507840   | 55.627 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.051 | 276  | 363109   | 44.604 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 375811   | 47.897 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 355927   | 51.838 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 330722   | 51.841 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.062 | 278  | 298157   | 44.722 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.504 | 276  | 274518   | 40.351 | ng    | 99       |

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

Quant Time: Nov 28 00:12:32 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 15:23:48 2024  
Response via : Initial Calibration

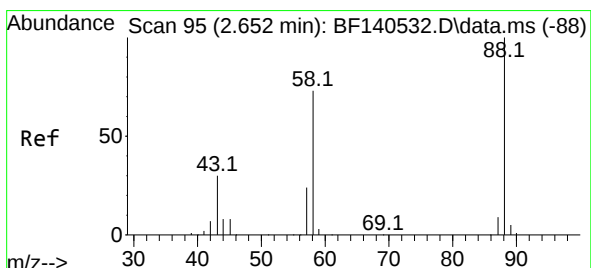
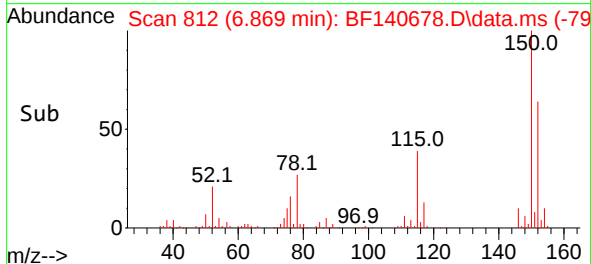
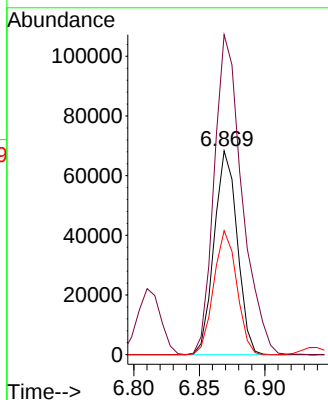
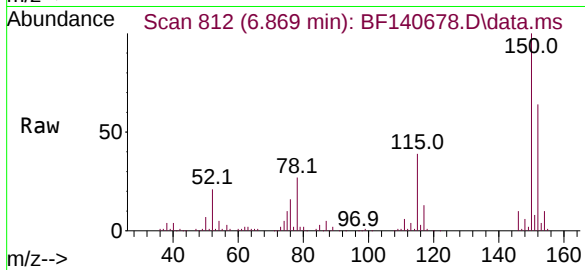




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

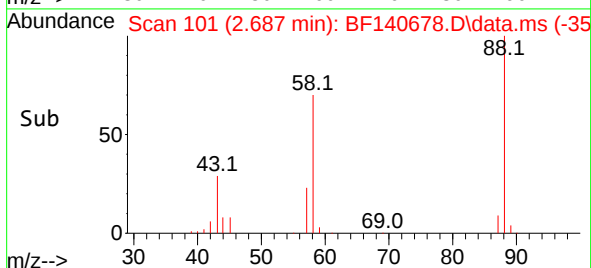
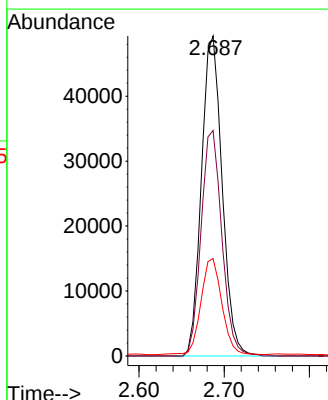
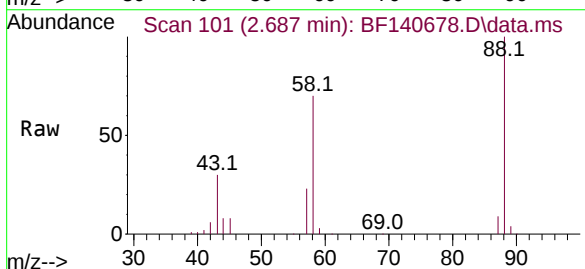
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:152 Resp: 83621  
Ion Ratio Lower Upper  
152 100  
150 157.0 128.5 192.7  
115 60.8 50.2 75.4



#2  
1,4-Dioxane  
Concen: 40.395 ng  
RT: 2.687 min Scan# 101  
Delta R.T. 0.035 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 88 Resp: 83239  
Ion Ratio Lower Upper  
88 100  
58 70.6 57.4 86.2  
43 30.5 24.3 36.5





#3

Pyridine

Concen: 39.689 ng

RT: 3.451 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

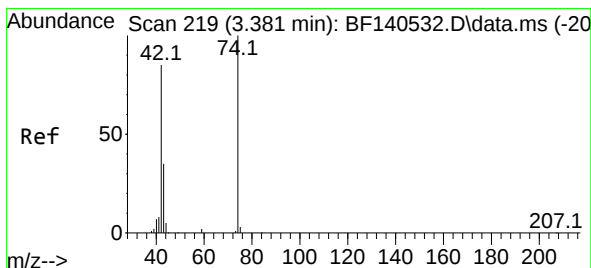
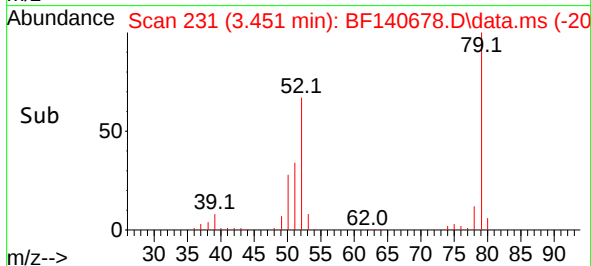
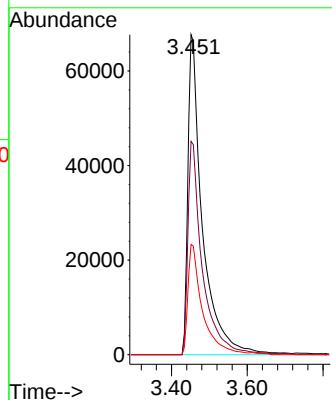
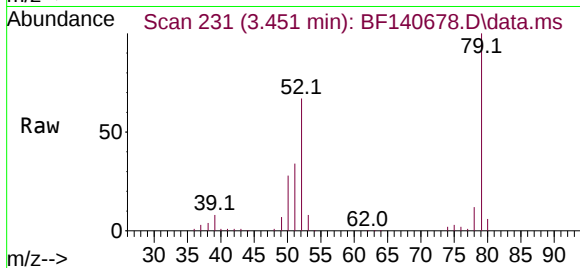
Tgt Ion: 79 Resp: 179942

Ion Ratio Lower Upper

79 100

52 66.7 52.1 78.1

51 34.5 27.8 41.8



#4

n-Nitrosodimethylamine

Concen: 42.712 ng

RT: 3.404 min Scan# 223

Delta R.T. 0.024 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

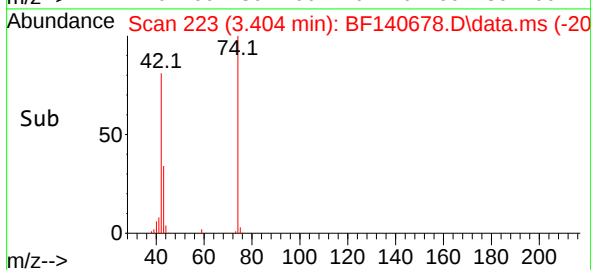
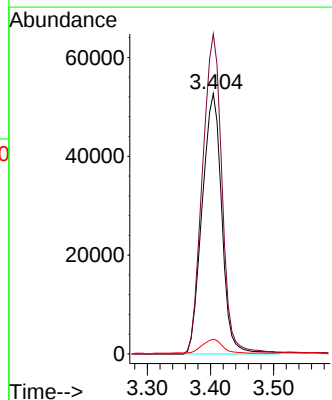
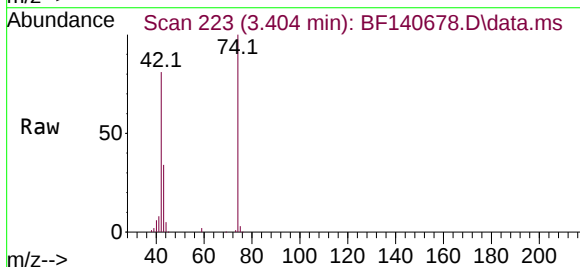
Tgt Ion: 42 Resp: 113812

Ion Ratio Lower Upper

42 100

74 122.9 93.8 140.6

44 5.7 4.6 6.8

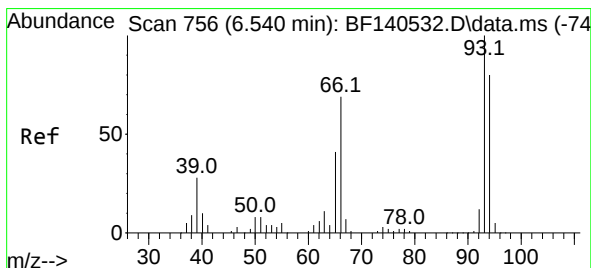
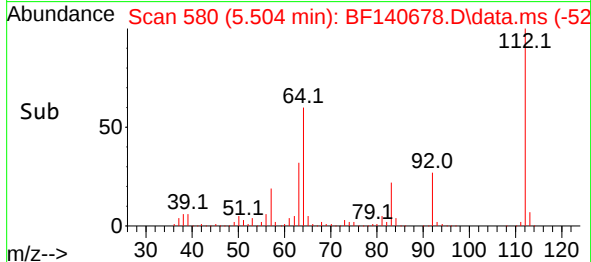
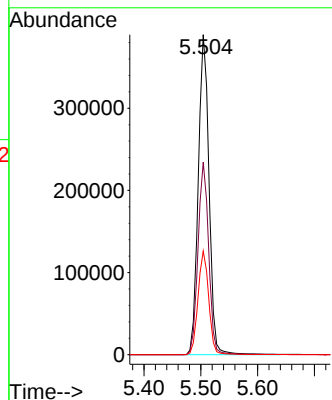
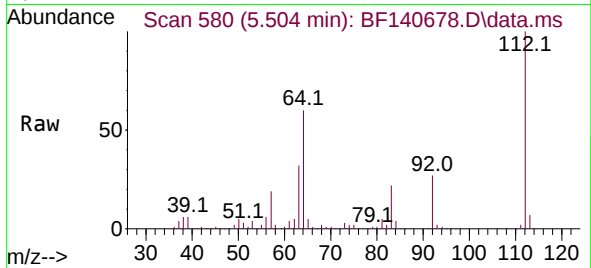




#5  
2-Fluorophenol  
Concen: 105.309 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

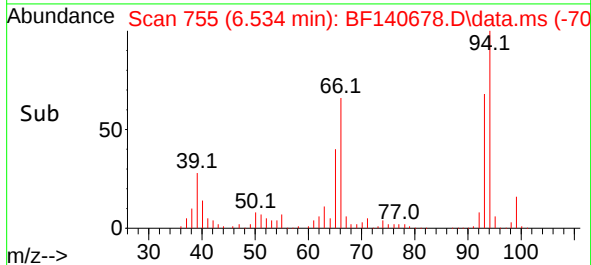
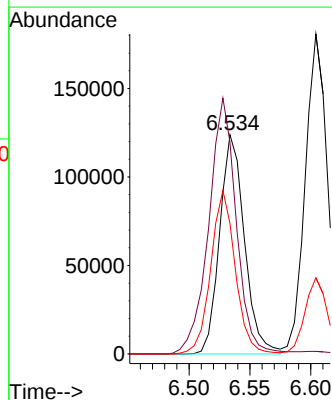
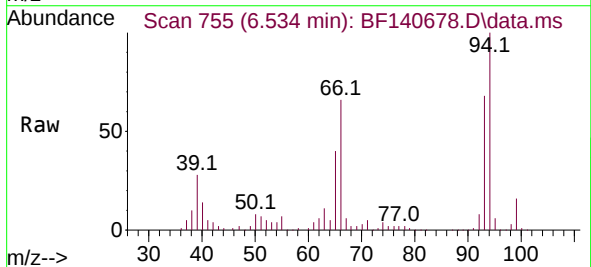
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

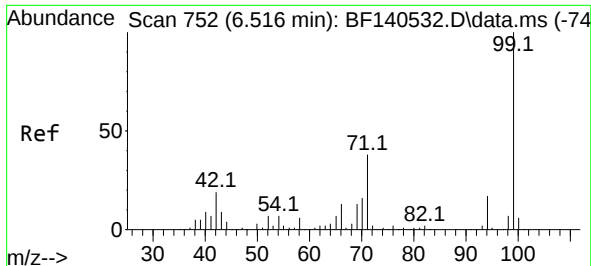
Tgt Ion:112 Resp: 516116  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 32.4 27.0 40.4



#6  
Aniline  
Concen: 38.449 ng  
RT: 6.534 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 93 Resp: 175342  
Ion Ratio Lower Upper  
93 100  
66 96.6 56.5 84.7#  
65 59.6 32.9 49.3#

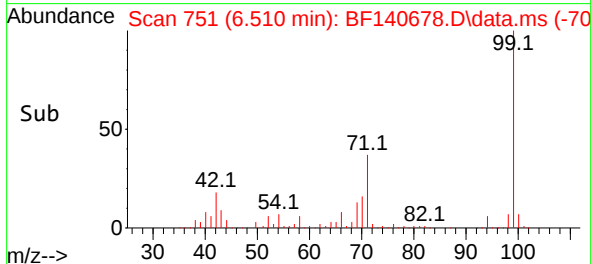
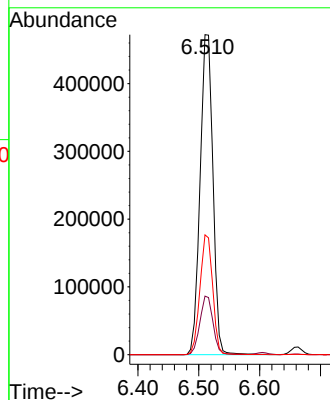
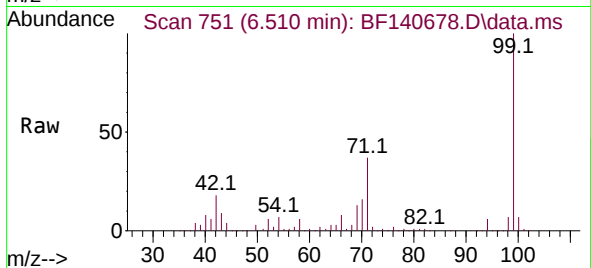




#7  
Phenol-d6  
Concen: 106.934 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

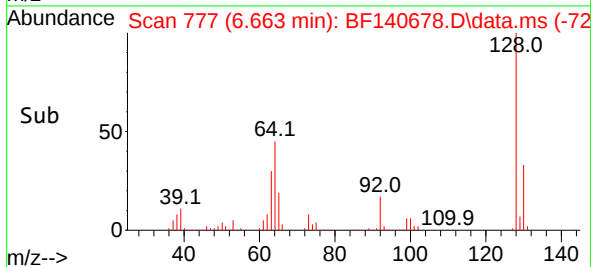
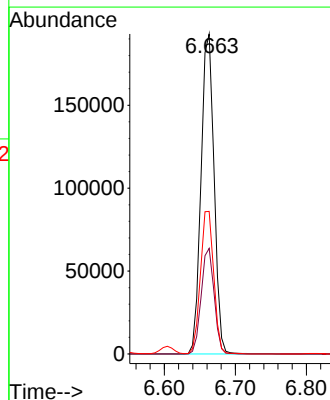
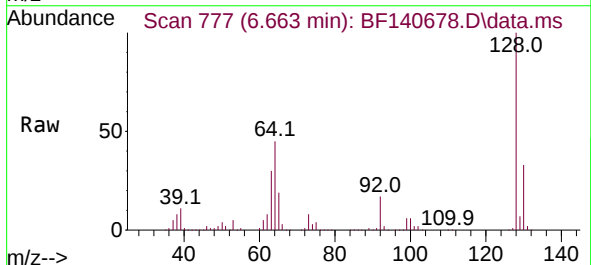
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

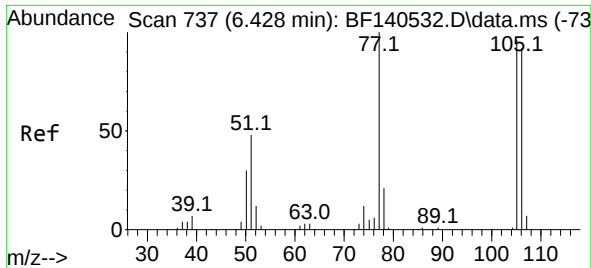
Tgt Ion: 99 Resp: 692847  
Ion Ratio Lower Upper  
99 100  
42 18.3 15.4 23.0  
71 37.5 30.6 46.0



#8  
2-Chlorophenol  
Concen: 46.965 ng  
RT: 6.663 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 128 Resp: 247635  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.3 52.3  
64 44.6 30.2 70.2





#9

Benzaldehyde

Concen: 28.105 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

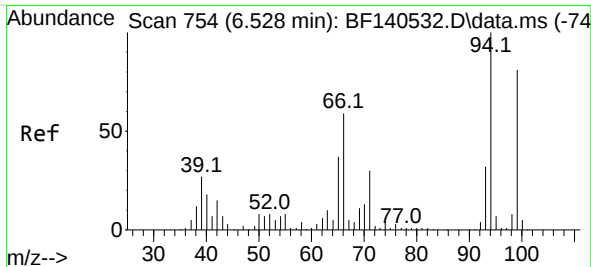
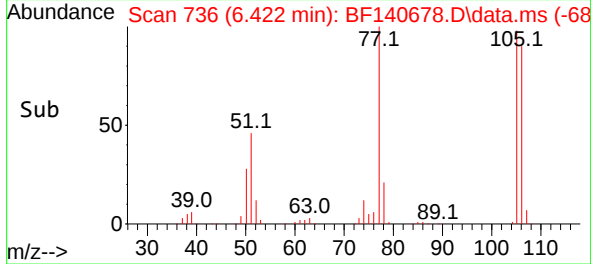
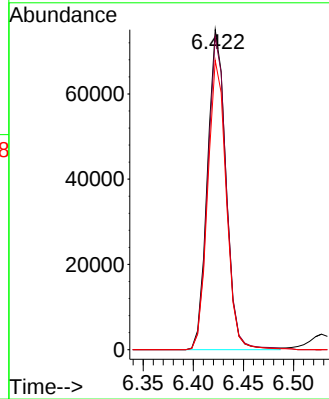
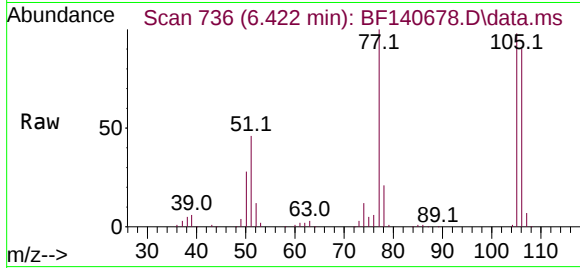
Tgt Ion: 77 Resp: 96400

Ion Ratio Lower Upper

77 100

105 97.7 75.6 115.6

106 90.4 72.0 112.0



#10

Phenol

Concen: 47.476 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

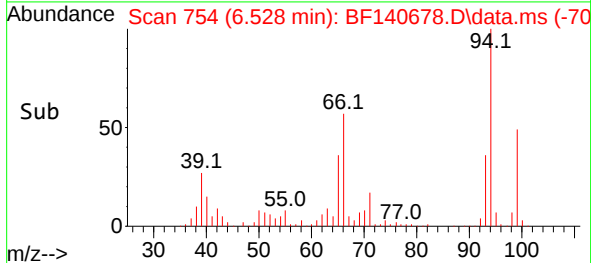
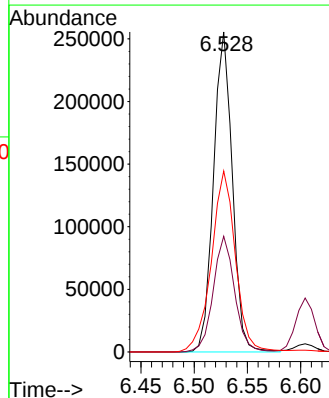
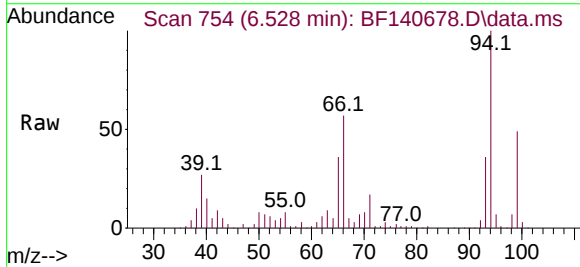
Tgt Ion: 94 Resp: 314146

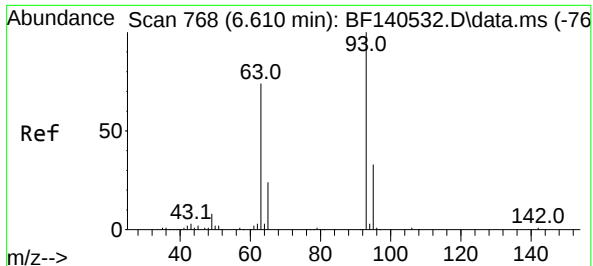
Ion Ratio Lower Upper

94 100

65 36.1 17.2 57.2

66 56.5 39.2 79.2

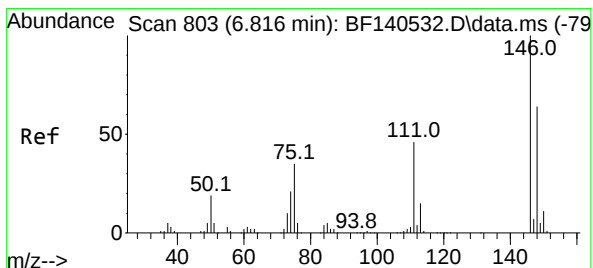
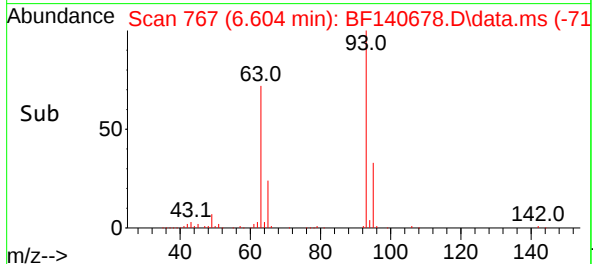
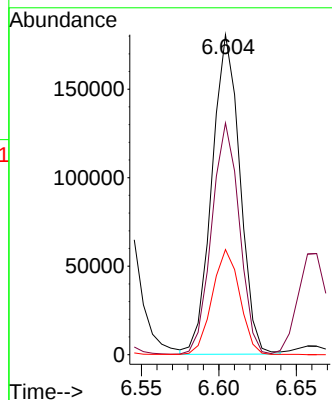
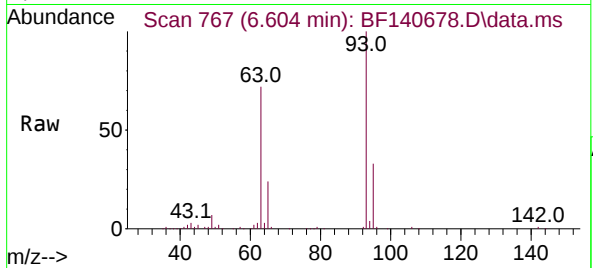




#11  
bis(2-Chloroethyl)ether  
Concen: 44.876 ng  
RT: 6.604 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

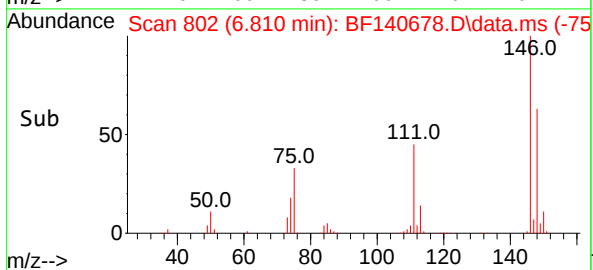
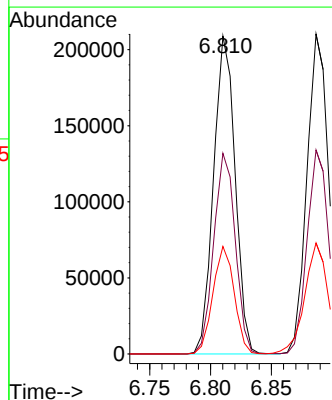
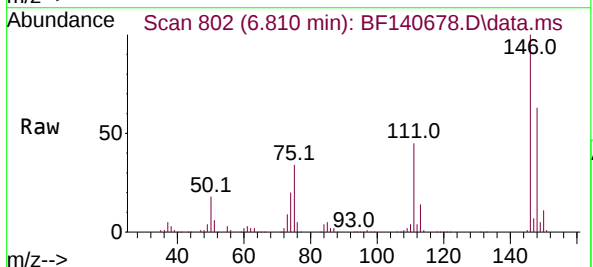
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion: 93 Resp: 227225  
Ion Ratio Lower Upper  
93 100  
63 72.4 52.8 92.8  
95 32.9 12.3 52.3



#12  
1,3-Dichlorobenzene  
Concen: 43.430 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:146 Resp: 257307  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.3 76.9  
75 33.9 28.2 42.2

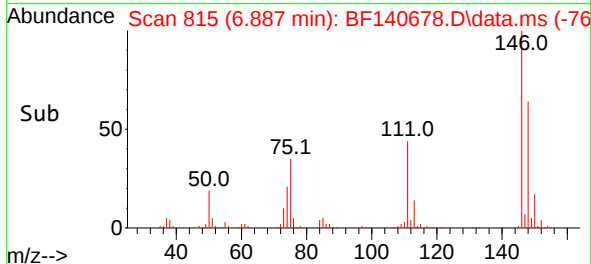
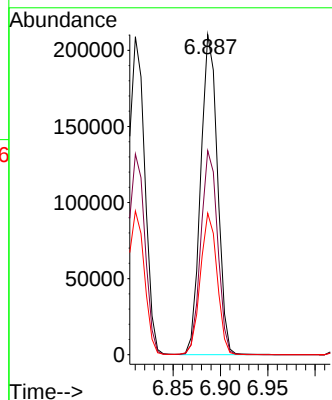
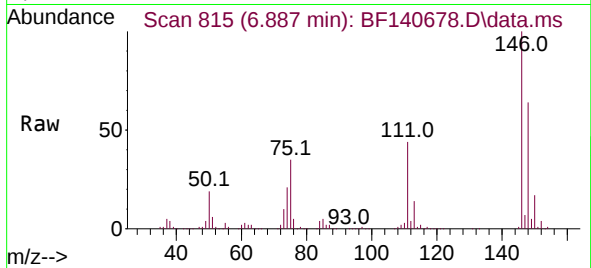




#13  
1,4-Dichlorobenzene  
Concen: 43.272 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

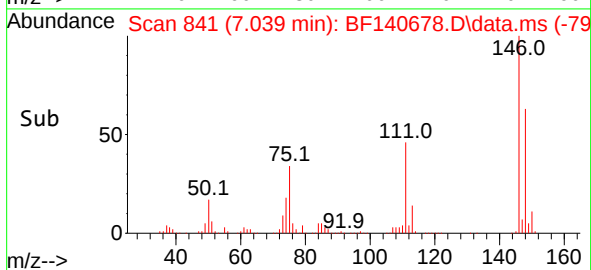
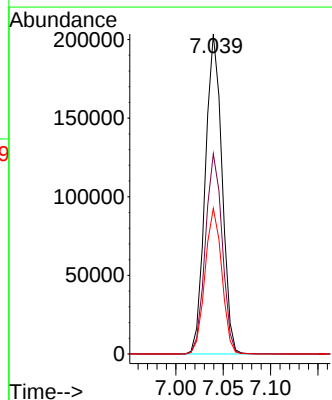
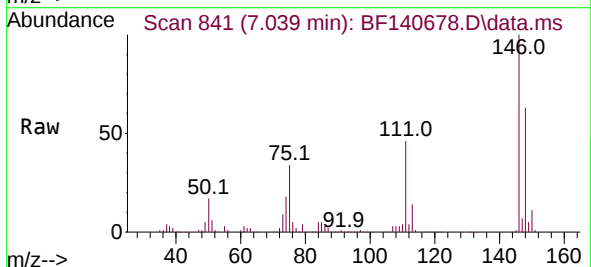
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

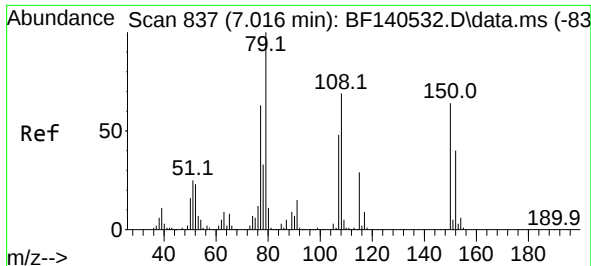
Tgt Ion:146 Resp: 259586  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.0 76.6  
111 44.2 35.3 52.9



#14  
1,2-Dichlorobenzene  
Concen: 44.437 ng  
RT: 7.039 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:146 Resp: 249790  
Ion Ratio Lower Upper  
146 100  
148 62.5 50.5 75.7  
111 45.5 36.7 55.1

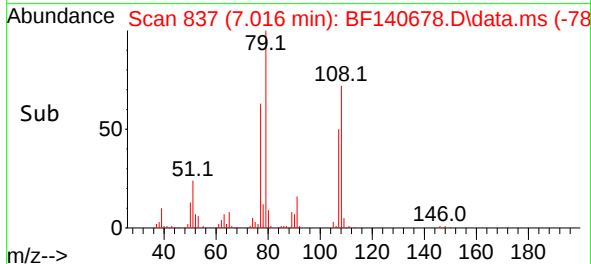
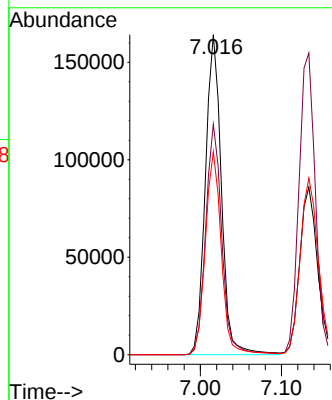
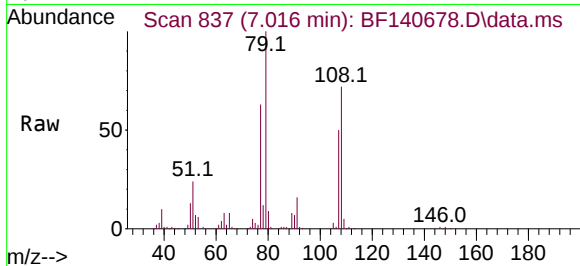




#15  
Benzyl Alcohol  
Concen: 46.775 ng  
RT: 7.016 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

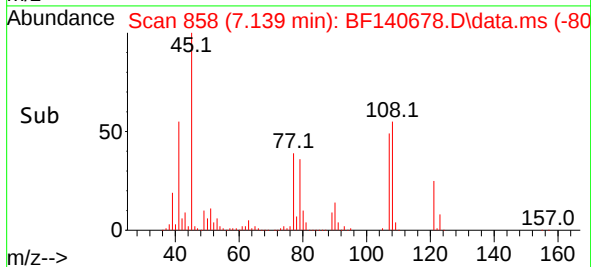
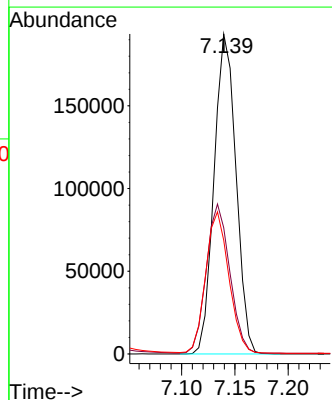
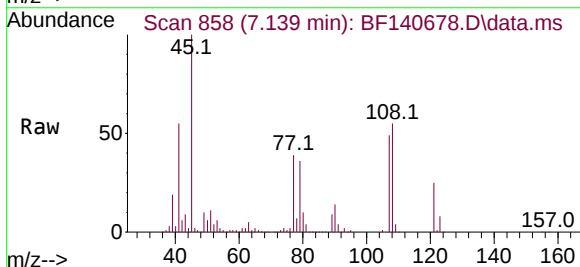
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

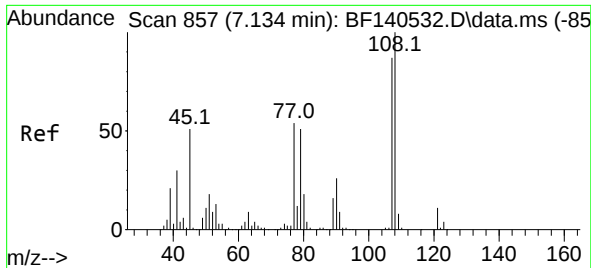
Tgt Ion: 79 Resp: 224750  
Ion Ratio Lower Upper  
79 100  
108 72.1 55.0 82.6  
77 63.4 50.1 75.1



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.134 ng  
RT: 7.139 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 45 Resp: 275967  
Ion Ratio Lower Upper  
45 100  
77 39.5 10.7 50.7  
79 35.6 7.0 47.0

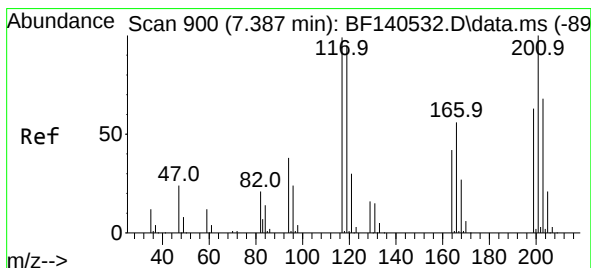
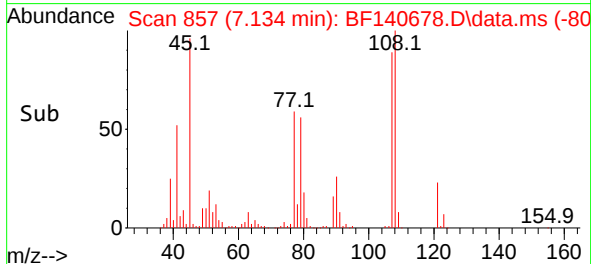
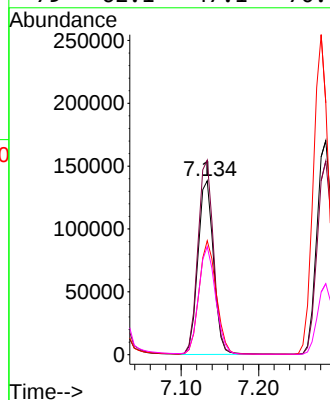
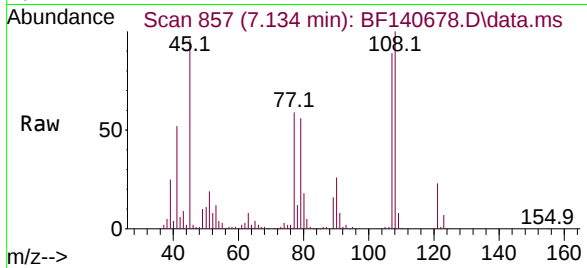




#17  
2-Methylphenol  
Concen: 45.742 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

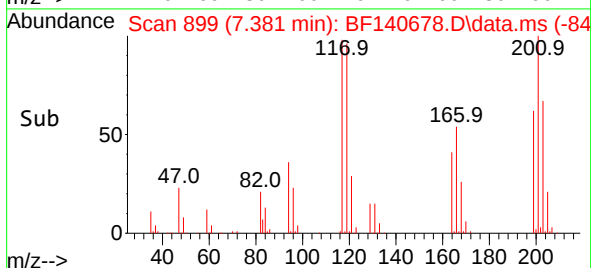
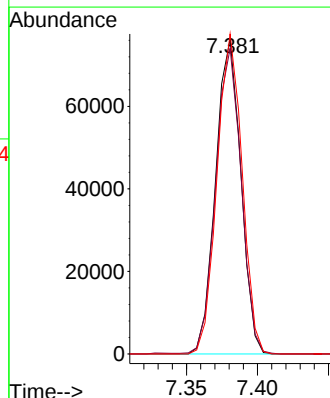
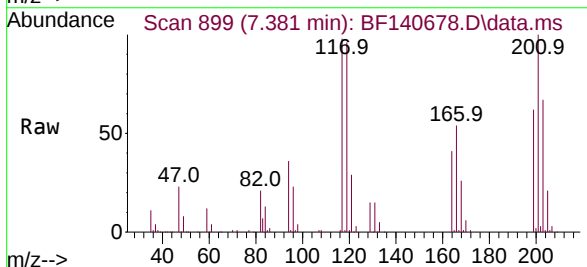
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 193064 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.8 | 91.7  | 137.5  |
| 77       | 65.5  | 49.3  | 73.9   |
| 79       | 62.1  | 47.1  | 70.7   |



#18  
Hexachloroethane  
Concen: 41.991 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 94082 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.1  | 77.1  | 115.7 |
| 201      | 101.6 | 81.1  | 121.7 |



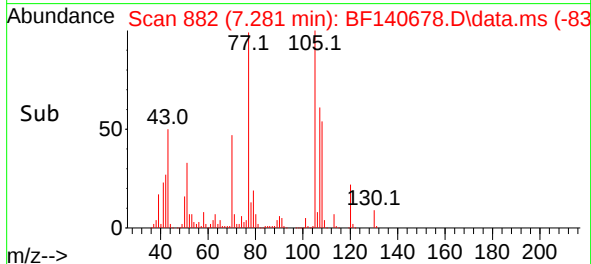
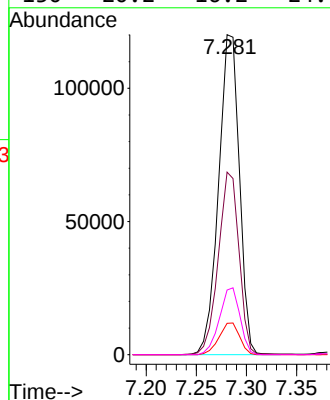
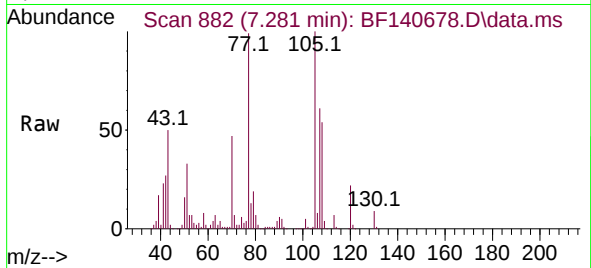


#19  
n-Nitroso-di-n-propylamine  
Concen: 45.167 ng  
RT: 7.281 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion: 70 Resp: 172952

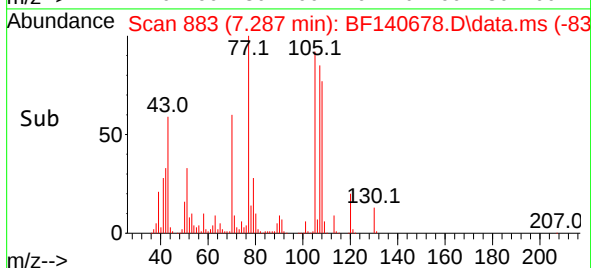
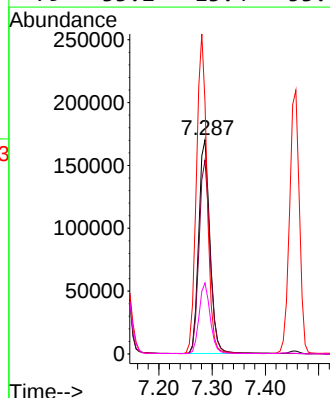
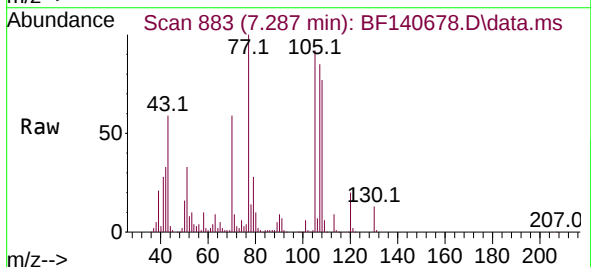
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.0  | 47.6  | 71.4  |
| 101 | 9.8   | 7.6   | 11.4  |
| 130 | 20.2  | 16.2  | 24.4  |

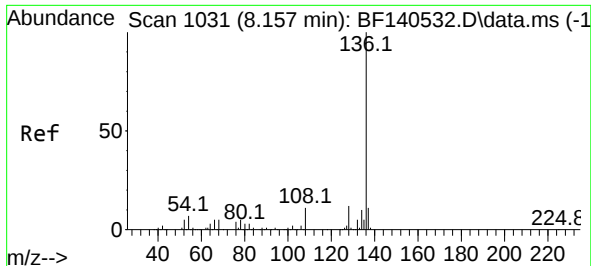


#20  
3+4-Methylphenols  
Concen: 46.002 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 107 Resp: 249567

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 90.5  | 69.9  | 109.9  |
| 77  | 117.6 | 117.7 | 157.7# |
| 79  | 33.2  | 13.4  | 53.4   |

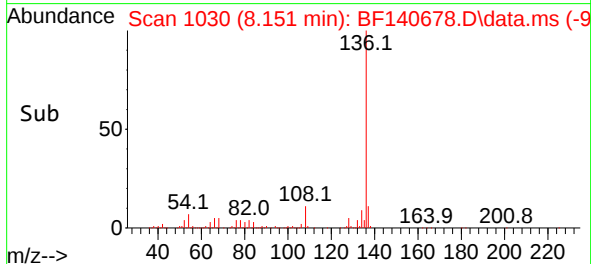
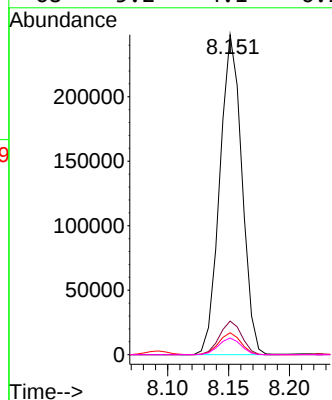
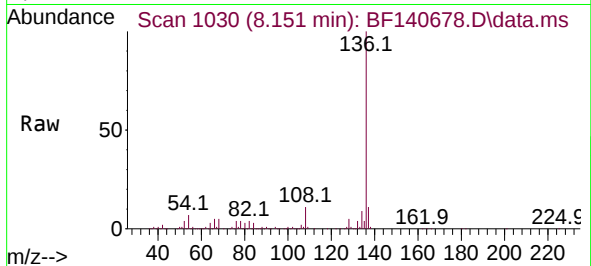




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

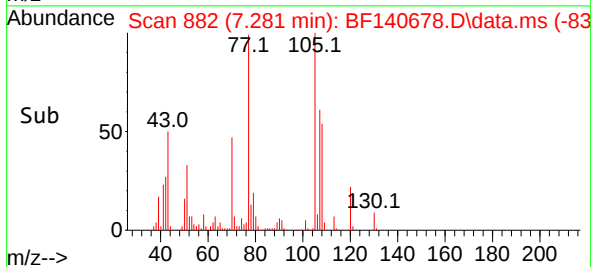
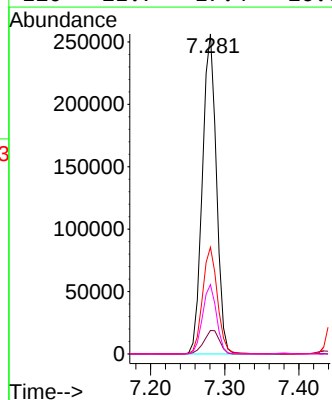
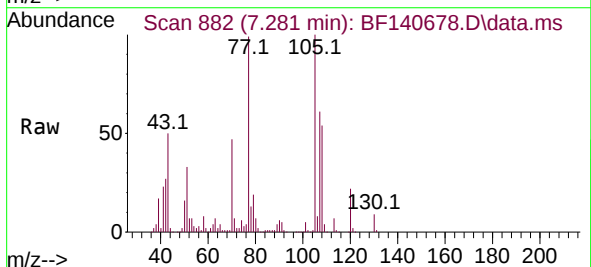
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:136 | Resp: | 313052 |
| Ion | Ratio   | Lower | Upper  |
| 136 | 100     |       |        |
| 137 | 10.5    | 8.6   | 13.0   |
| 54  | 6.9     | 5.8   | 8.8    |
| 68  | 5.2     | 4.1   | 6.1    |



#22  
Acetophenone  
Concen: 44.127 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 336783 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 7.3     | 6.2   | 9.2    |
| 51  | 33.4    | 29.0  | 43.6   |
| 120 | 21.7    | 17.4  | 26.0   |





#23

Nitrobenzene-d5

Concen: 71.694 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

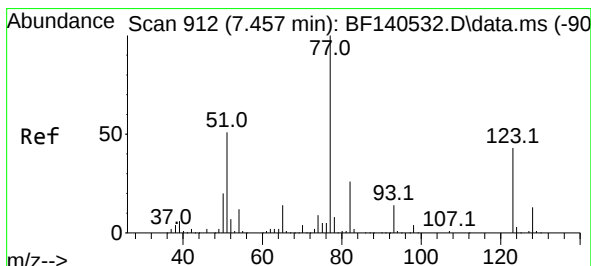
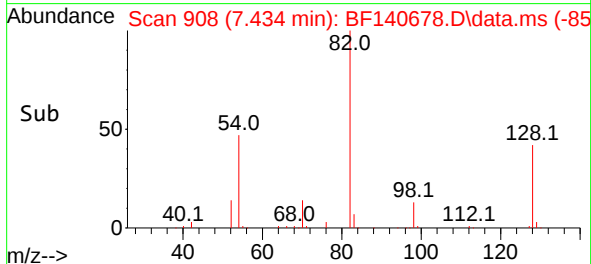
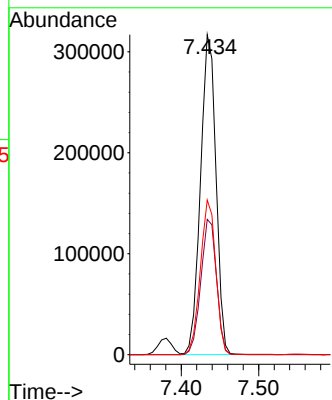
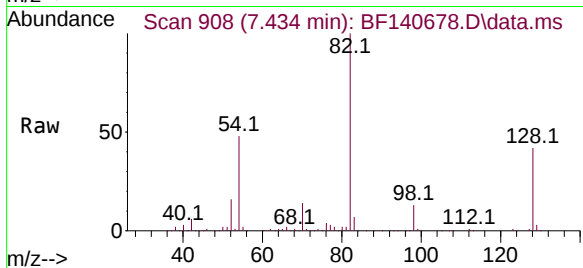
Tgt Ion: 82 Resp: 438785

Ion Ratio Lower Upper

82 100

128 42.3 33.0 49.4

54 48.4 39.5 59.3



#24

Nitrobenzene

Concen: 42.523 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

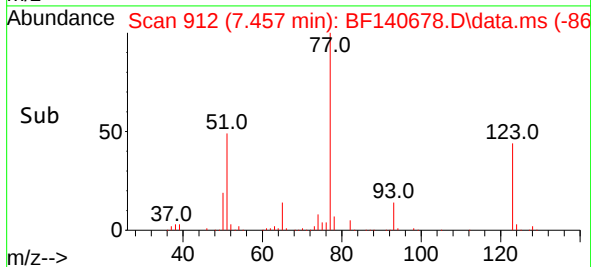
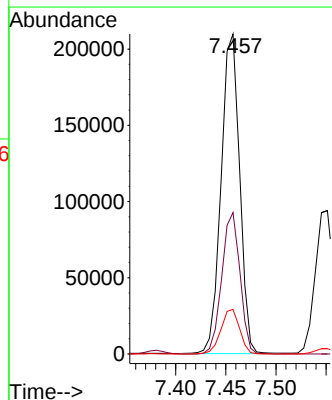
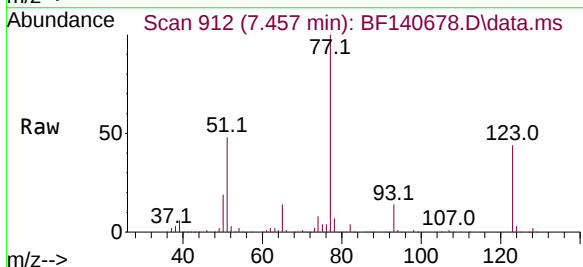
Tgt Ion: 77 Resp: 268976

Ion Ratio Lower Upper

77 100

123 44.2 34.3 51.5

65 13.9 11.2 16.8

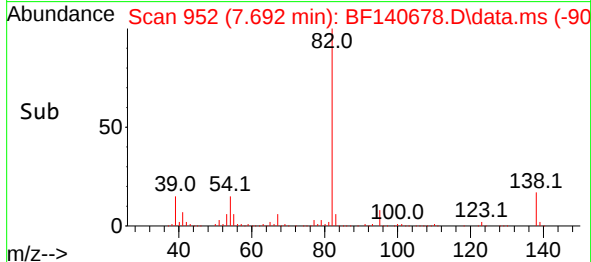
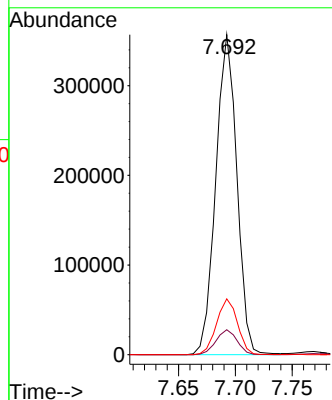
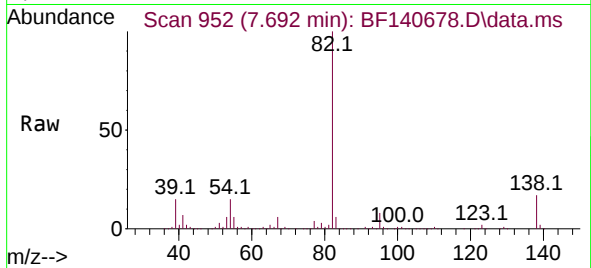




#25  
Isophorone  
Concen: 45.233 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

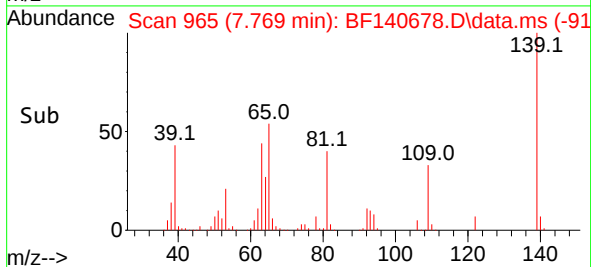
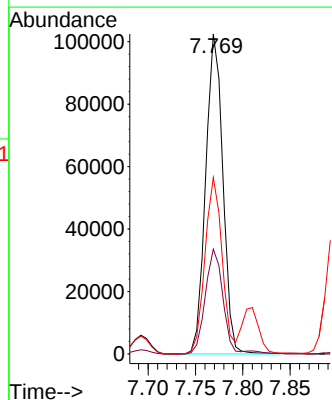
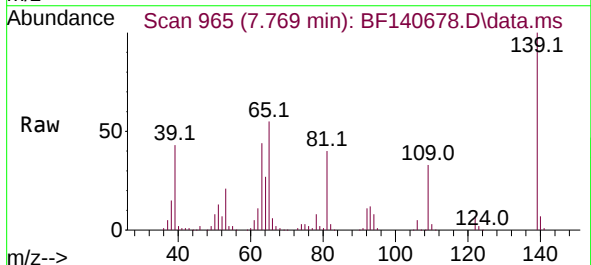
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion: 82 Resp: 461738  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 17.4 13.8 20.6



#26  
2-Nitrophenol  
Concen: 45.995 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 139 Resp: 128931  
Ion Ratio Lower Upper  
139 100  
109 32.8 28.0 42.0  
65 55.1 44.6 67.0

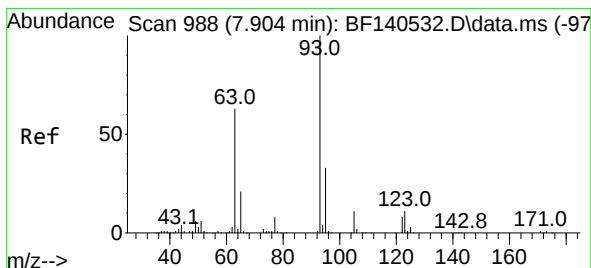
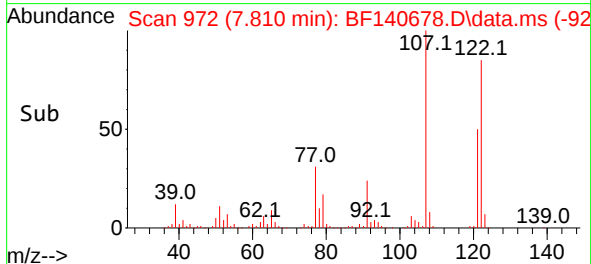
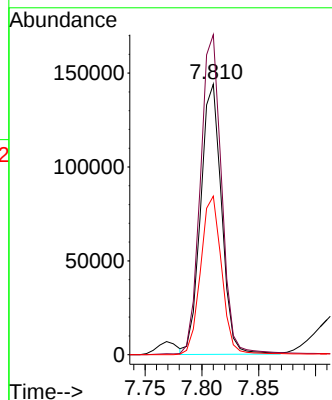
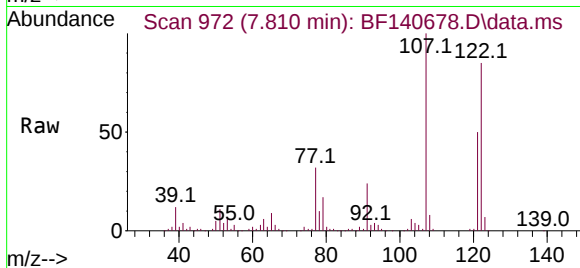




#27  
2,4-Dimethylphenol  
Concen: 54.988 ng  
RT: 7.810 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

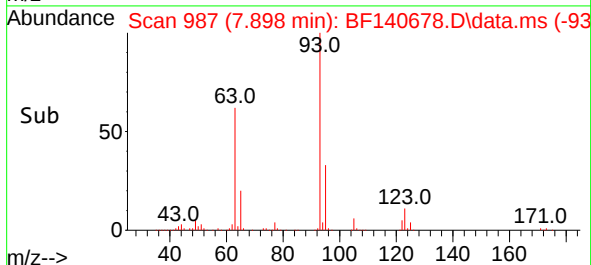
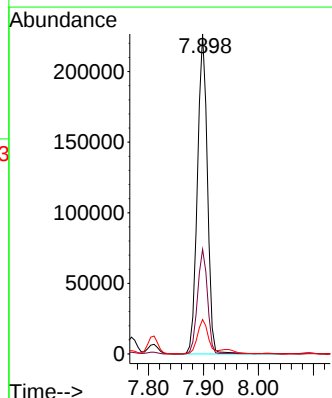
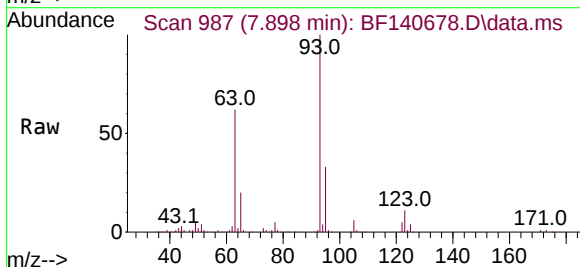
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:122 Resp: 184427  
Ion Ratio Lower Upper  
122 100  
107 118.2 96.8 145.2  
121 58.6 47.4 71.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 45.990 ng  
RT: 7.898 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

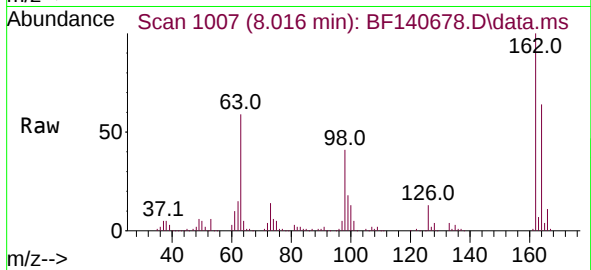
Tgt Ion: 93 Resp: 286004  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.1 39.1  
123 10.7 9.1 13.7



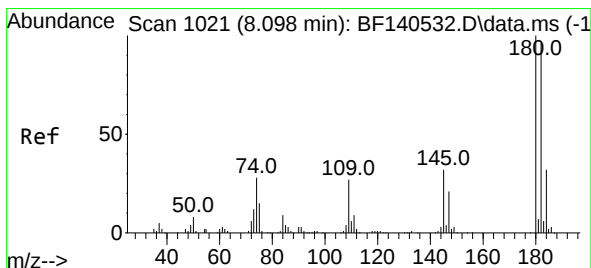
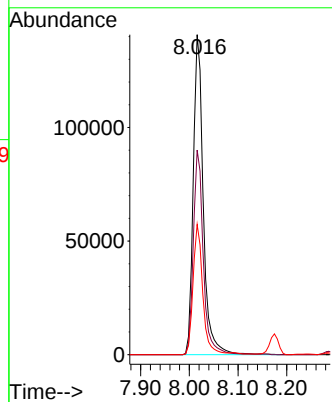
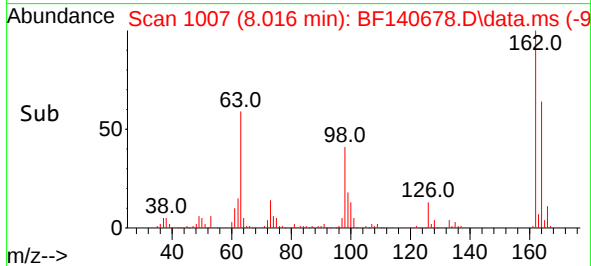


#29  
2,4-Dichlorophenol  
Concen: 45.557 ng  
RT: 8.016 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

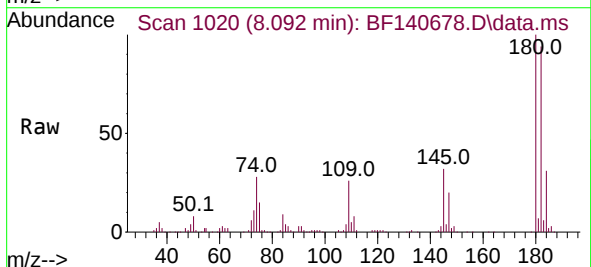
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



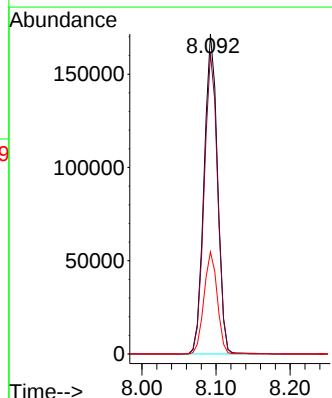
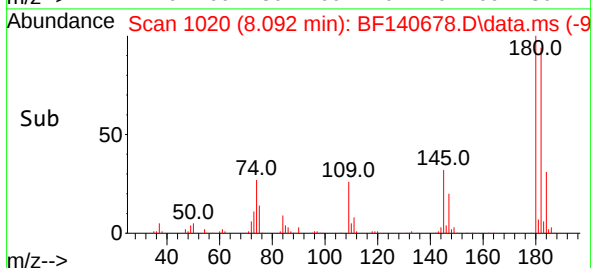
Tgt Ion:162 Resp: 202465  
Ion Ratio Lower Upper  
162 100  
164 64.0 44.8 84.8  
98 40.7 21.2 61.2

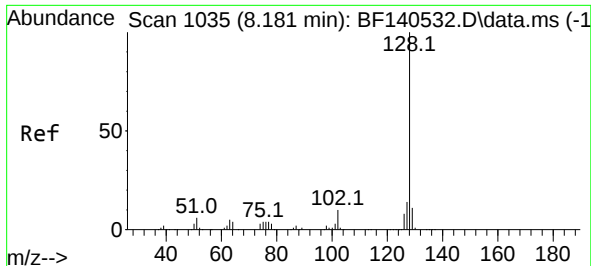


#30  
1,2,4-Trichlorobenzene  
Concen: 42.728 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50



Tgt Ion:180 Resp: 216811  
Ion Ratio Lower Upper  
180 100  
182 93.9 76.4 114.6  
145 31.9 25.9 38.9

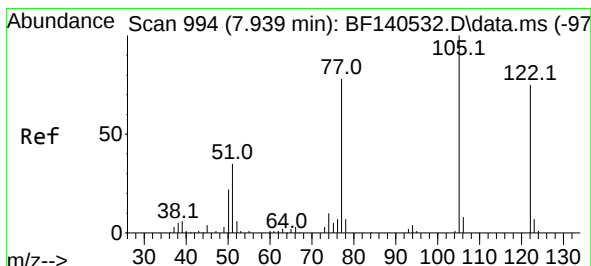
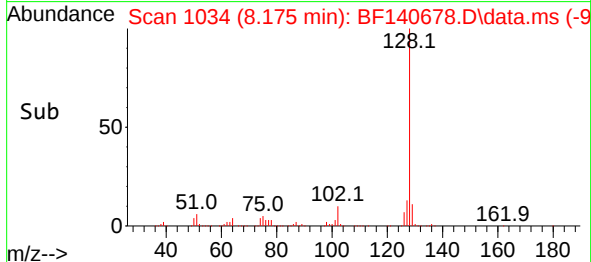
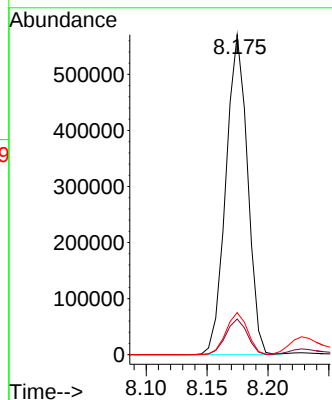
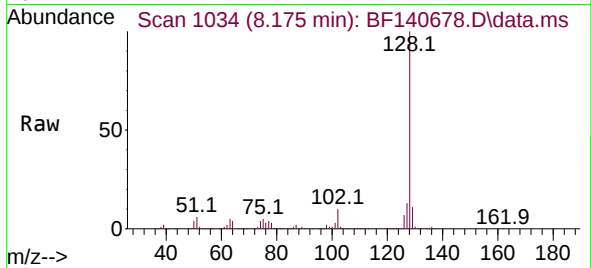




#31  
Naphthalene  
Concen: 43.840 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

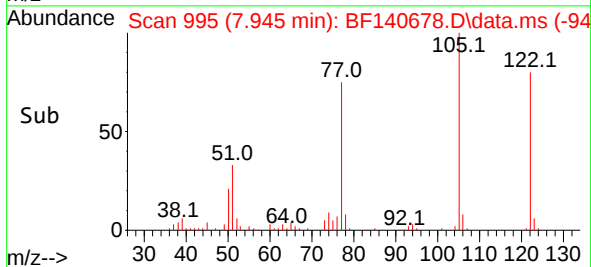
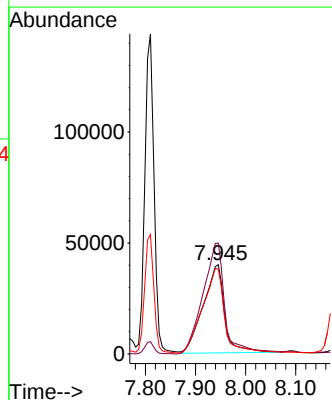
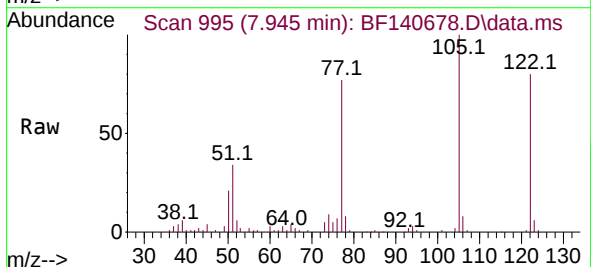
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

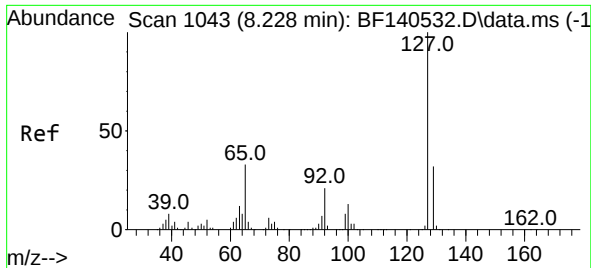
Tgt Ion:128 Resp: 706915  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.2 10.8 16.2



#32  
Benzoic acid  
Concen: 41.597 ng  
RT: 7.945 min Scan# 995  
Delta R.T. 0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:122 Resp: 118113  
Ion Ratio Lower Upper  
122 100  
105 124.3 109.3 149.3  
77 95.5 82.3 122.3

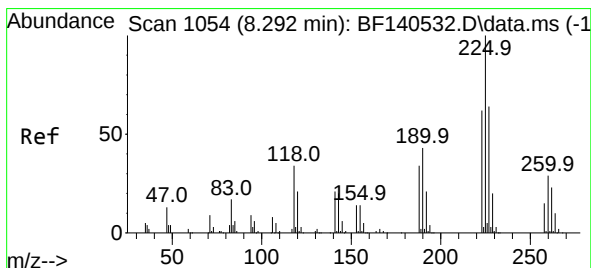
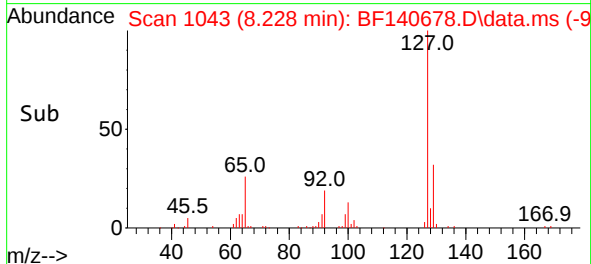
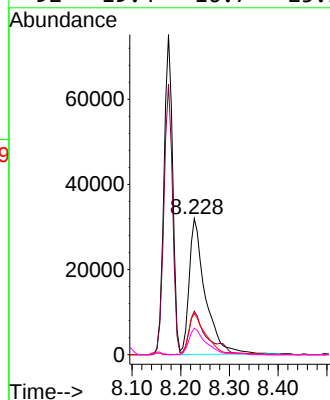
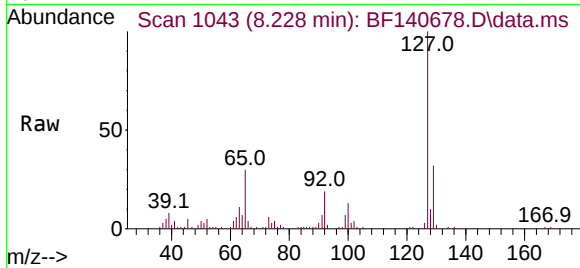




#33  
4-Chloroaniline  
Concen: 15.169 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

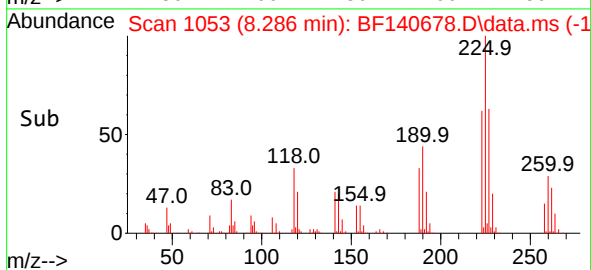
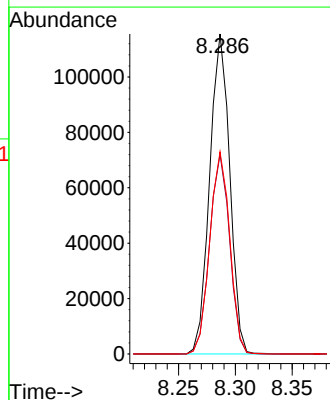
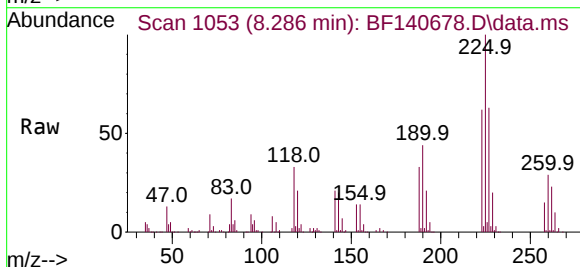
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

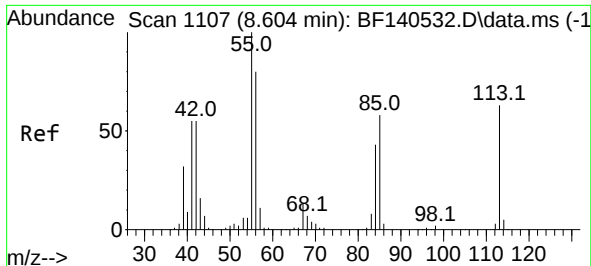
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 73232 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.0  | 26.0  | 39.0  |
| 65        | 30.4  | 26.0  | 39.0  |
| 92        | 19.4  | 16.7  | 25.1  |



#34  
Hexachlorobutadiene  
Concen: 42.212 ng  
RT: 8.286 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 141873 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.3  | 49.8  | 74.8   |
| 227       | 63.2  | 51.3  | 76.9   |

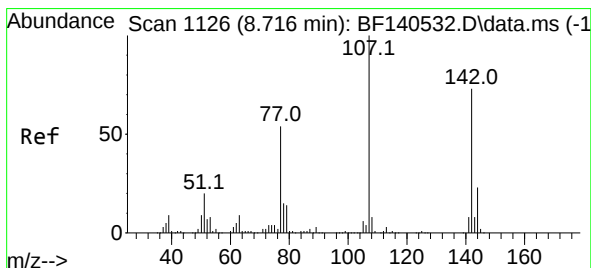
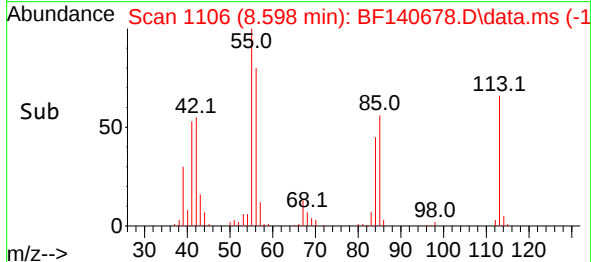
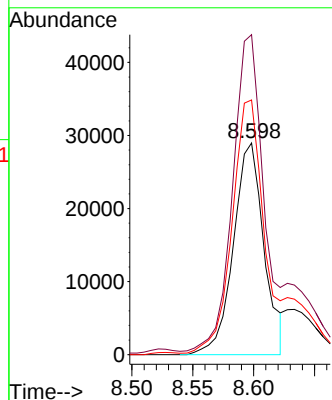
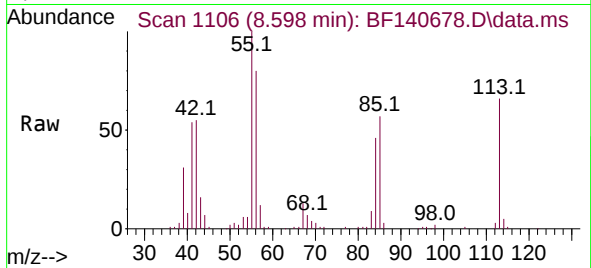




#35  
Caprolactam  
Concen: 36.781 ng  
RT: 8.598 min Scan# 1106  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

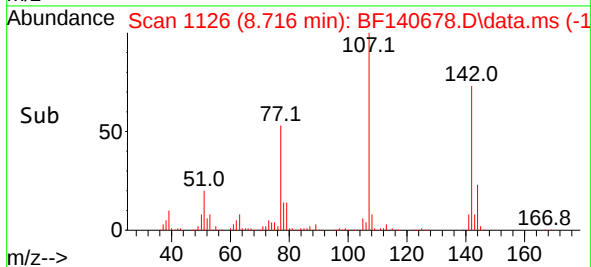
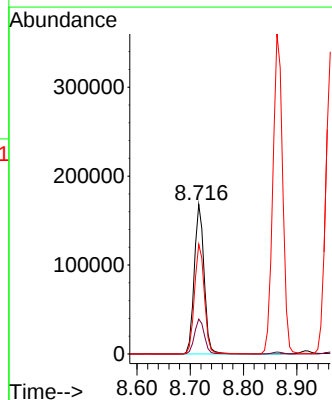
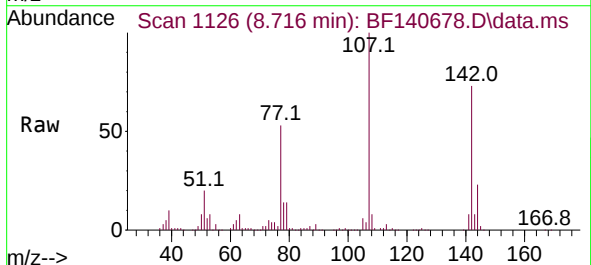
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

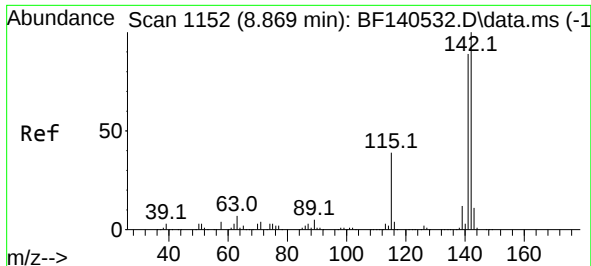
Tgt Ion:113 Resp: 50587  
Ion Ratio Lower Upper  
113 100  
55 151.2 137.7 177.7  
56 120.3 106.4 146.4



#36  
4-Chloro-3-methylphenol  
Concen: 43.623 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:107 Resp: 217063  
Ion Ratio Lower Upper  
107 100  
144 23.3 18.7 28.1  
142 73.4 58.3 87.5

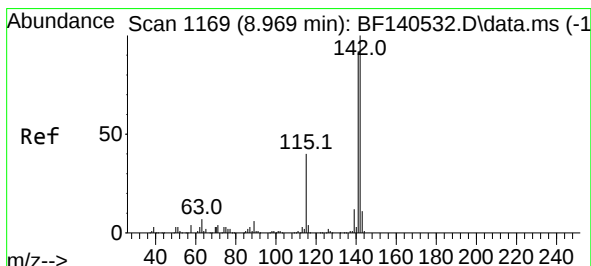
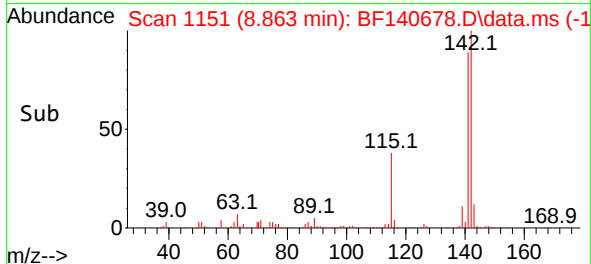
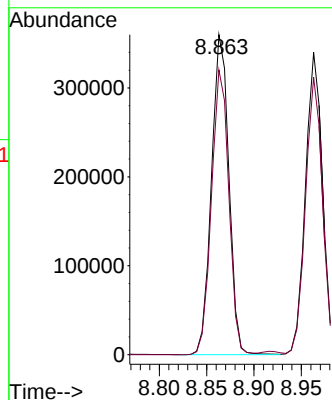
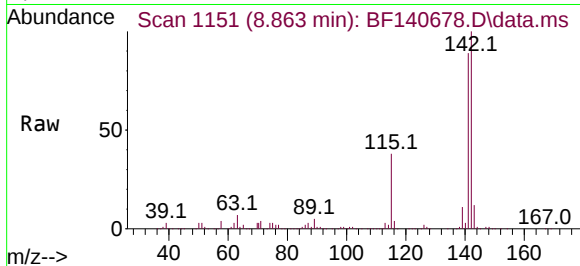




#37  
2-Methylnaphthalene  
Concen: 44.759 ng  
RT: 8.863 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

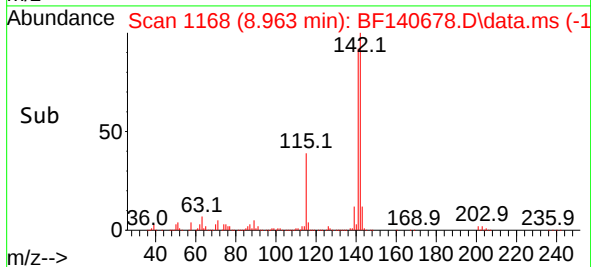
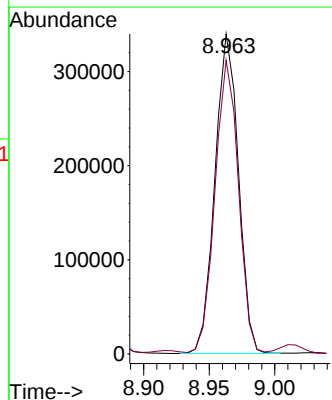
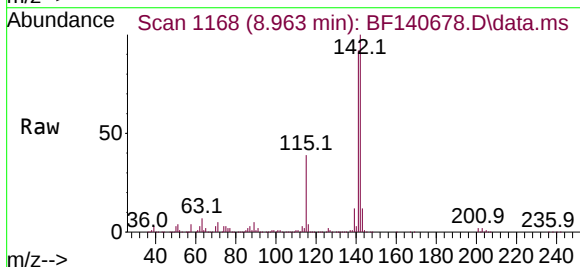
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:142 Resp: 458421  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 42.127 ng  
RT: 8.963 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:142 Resp: 422914  
Ion Ratio Lower Upper  
142 100  
141 91.8 73.3 109.9

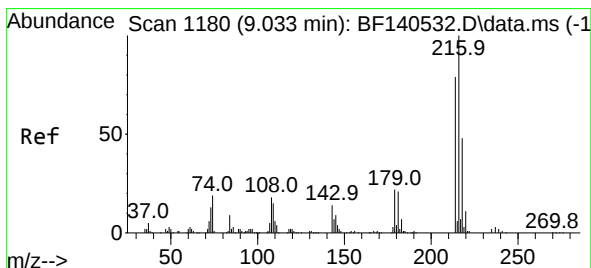
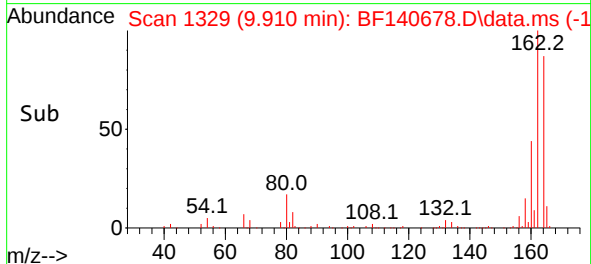
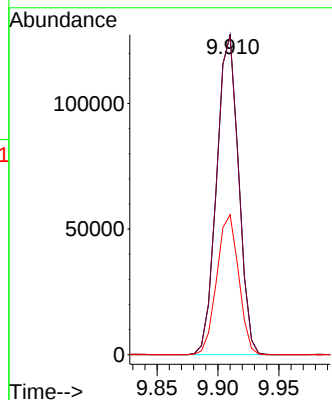
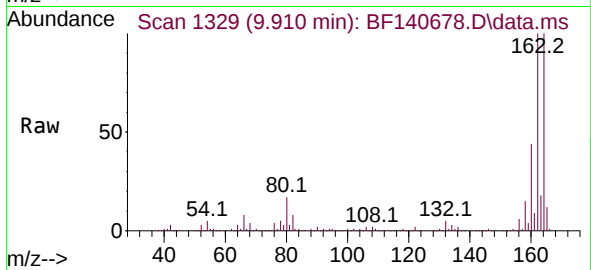




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.910 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

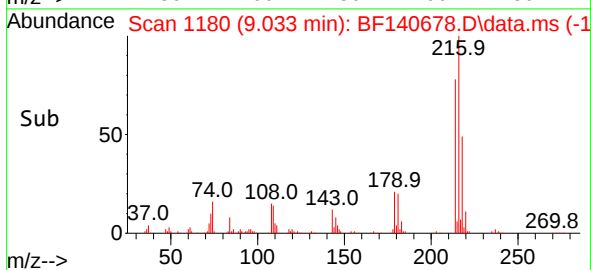
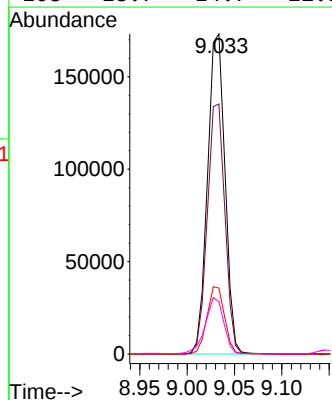
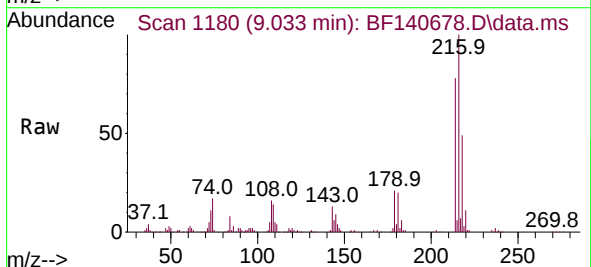
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:164 Resp: 159642  
Ion Ratio Lower Upper  
164 100  
162 99.5 80.6 120.8  
160 43.8 36.2 54.4



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.545 ng  
RT: 9.033 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:216 Resp: 222203  
Ion Ratio Lower Upper  
216 100  
214 78.7 63.0 94.4  
179 21.0 17.5 26.3  
108 18.7 14.7 22.1

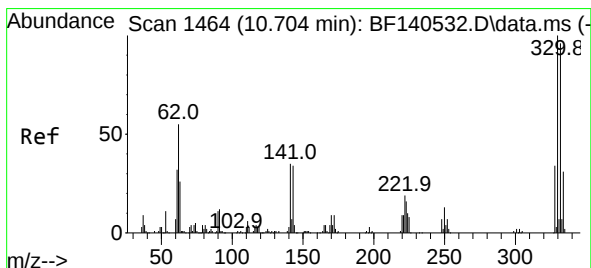
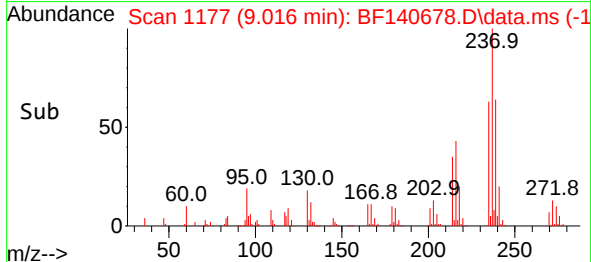
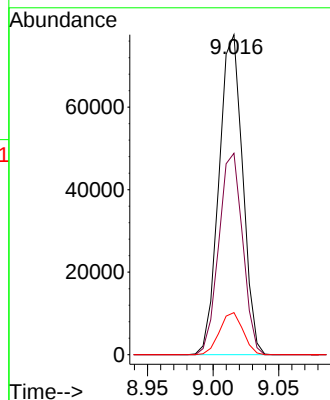
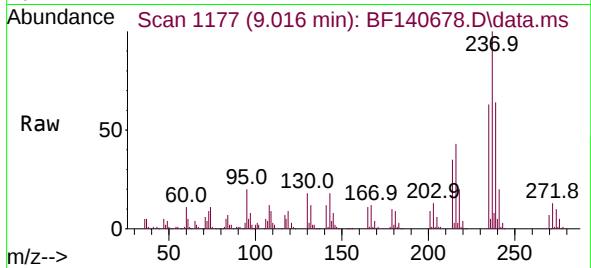




#41  
Hexachlorocyclopentadiene  
Concen: 91.431 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

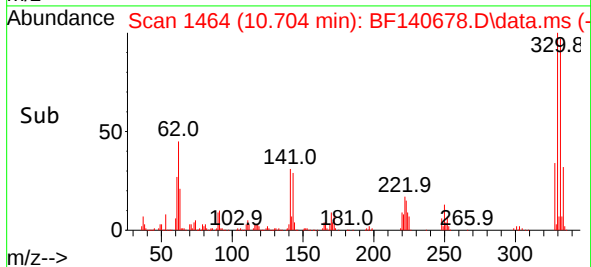
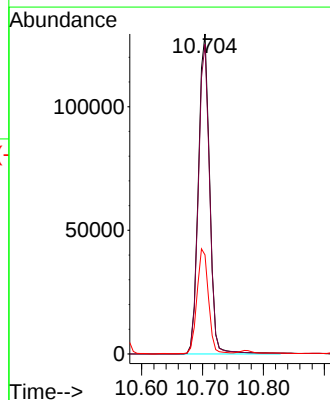
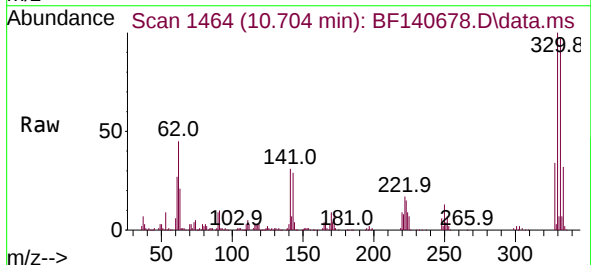
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

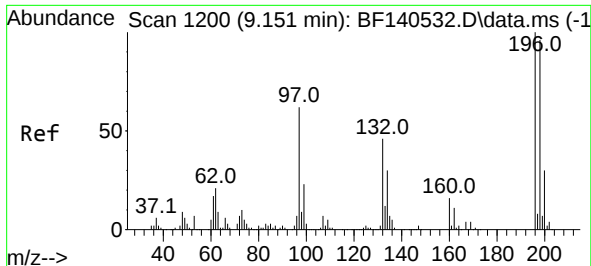
Tgt Ion:237 Resp: 97253  
Ion Ratio Lower Upper  
237 100  
235 63.0 41.1 81.1  
272 13.2 0.0 32.6



#42  
2,4,6-Tribromophenol  
Concen: 97.716 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:330 Resp: 166839  
Ion Ratio Lower Upper  
330 100  
332 96.9 76.9 115.3  
141 33.1 26.7 40.1





#43

2,4,6-Trichlorophenol

Concen: 47.649 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

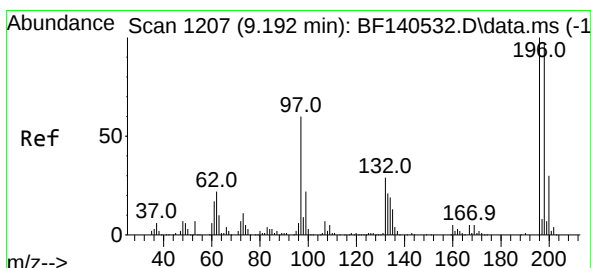
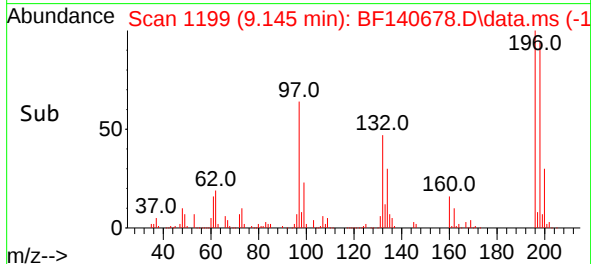
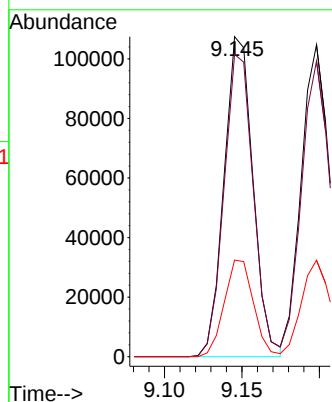
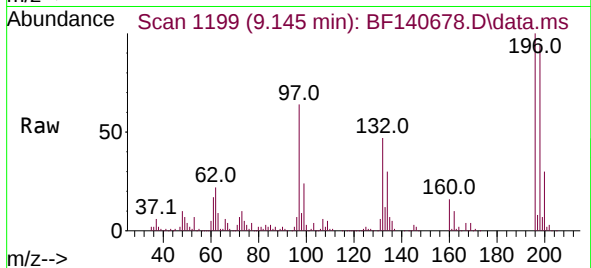
Tgt Ion:196 Resp: 139734

Ion Ratio Lower Upper

196 100

198 94.5 76.8 115.2

200 30.2 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 44.577 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Tgt Ion:196 Resp: 141874

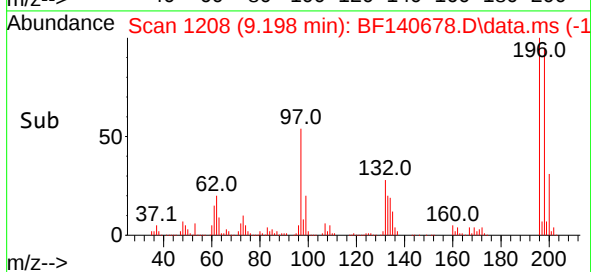
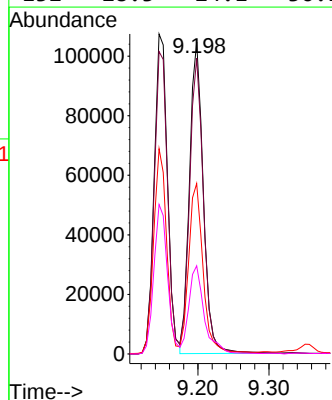
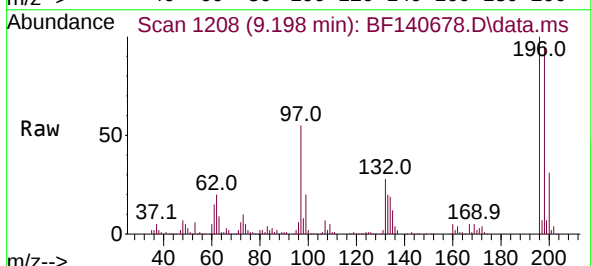
Ion Ratio Lower Upper

196 100

198 94.8 77.2 115.8

97 54.6 47.1 70.7

132 28.3 24.1 36.1

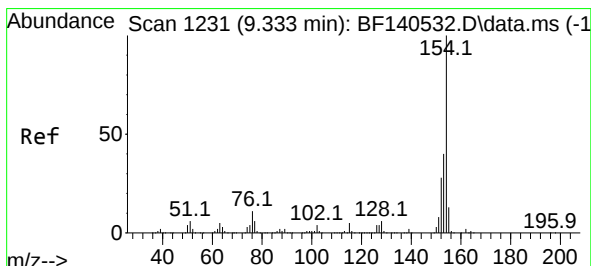
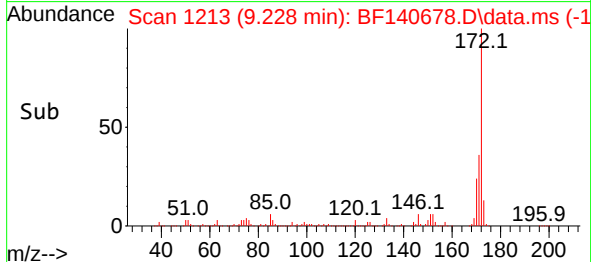
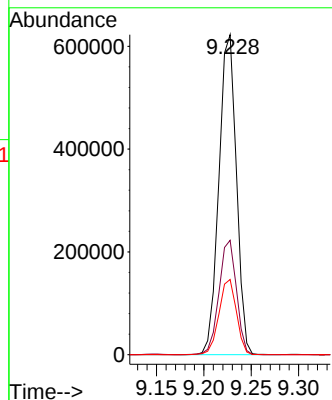
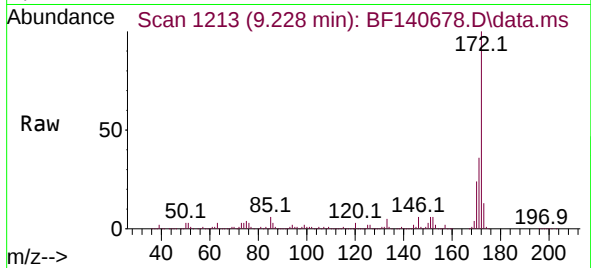




#45  
2-Fluorobiphenyl  
Concen: 74.740 ng  
RT: 9.228 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

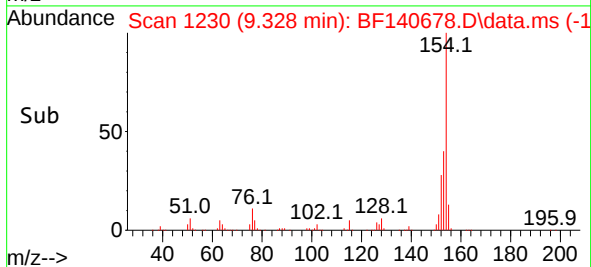
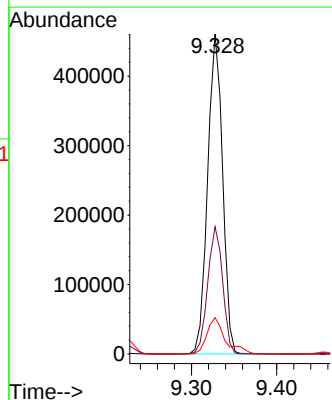
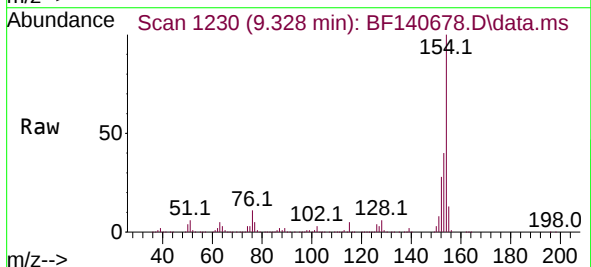
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

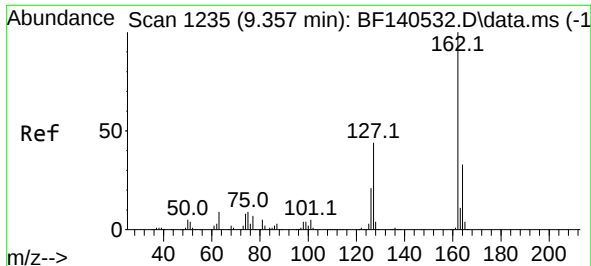
Tgt Ion:172 Resp: 800817  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.4 42.6  
170 23.5 19.0 28.6



#46  
1,1'-Biphenyl  
Concen: 47.109 ng  
RT: 9.328 min Scan# 1230  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:154 Resp: 561491  
Ion Ratio Lower Upper  
154 100  
153 39.8 20.4 60.4  
76 11.4 0.0 31.2

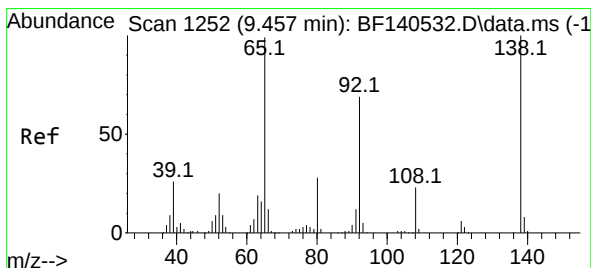
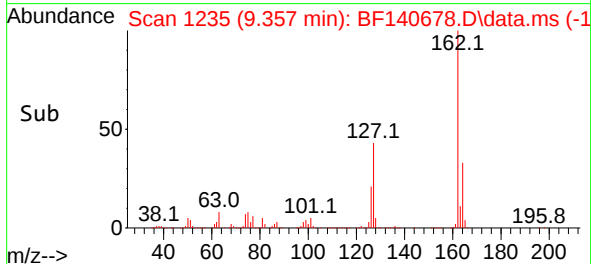
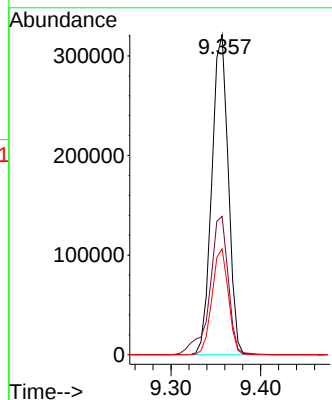
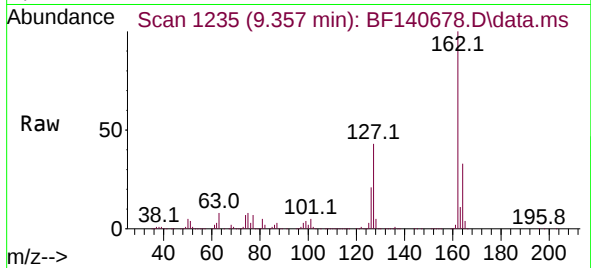




#47  
2-Chloronaphthalene  
Concen: 45.358 ng  
RT: 9.357 min Scan# 1235  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

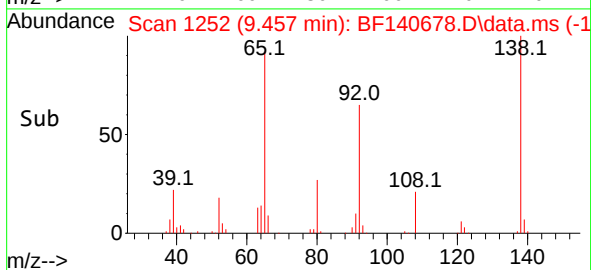
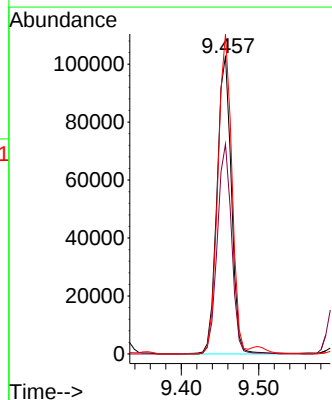
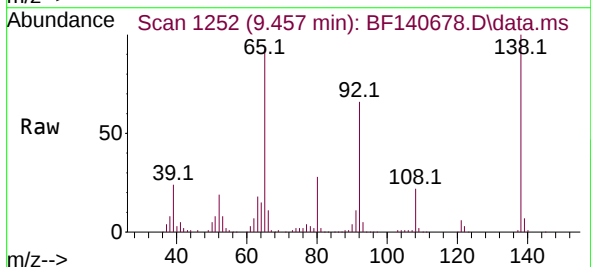
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

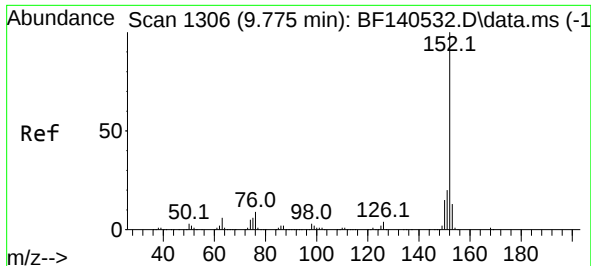
Tgt Ion:162 Resp: 409644  
Ion Ratio Lower Upper  
162 100  
127 43.3 35.7 53.5  
164 33.1 26.1 39.1



#48  
2-Nitroaniline  
Concen: 45.631 ng  
RT: 9.457 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion: 65 Resp: 132277  
Ion Ratio Lower Upper  
65 100  
92 70.4 56.1 84.1  
138 107.3 81.0 121.6





#49

Acenaphthylene

Concen: 47.845 ng

RT: 9.769 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

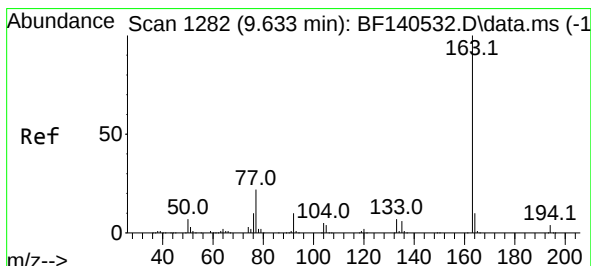
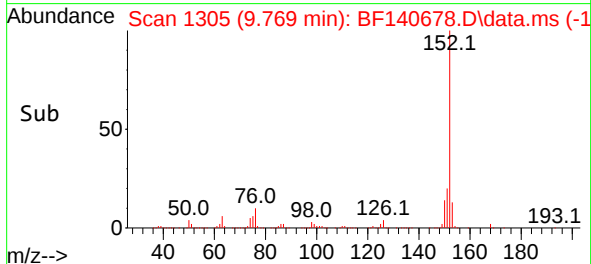
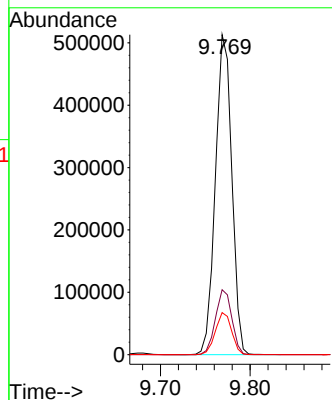
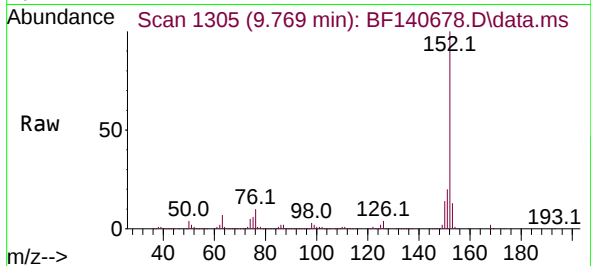
Tgt Ion:152 Resp: 652875

Ion Ratio Lower Upper

152 100

151 20.3 15.9 23.9

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 47.677 ng

RT: 9.628 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

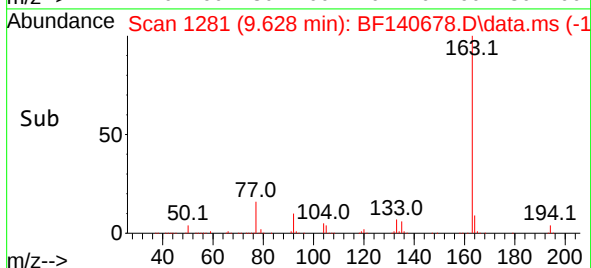
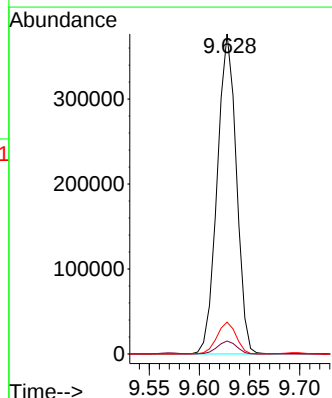
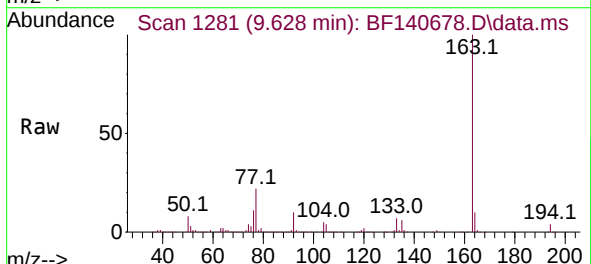
Tgt Ion:163 Resp: 501271

Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 9.9 8.2 12.2

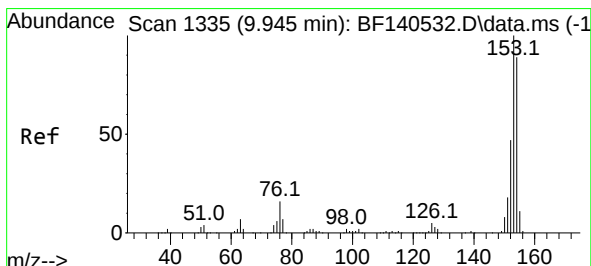
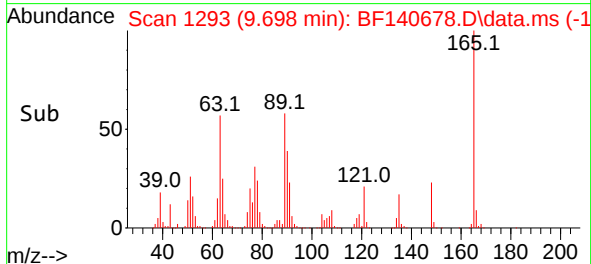
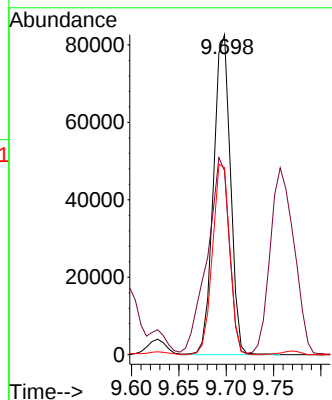
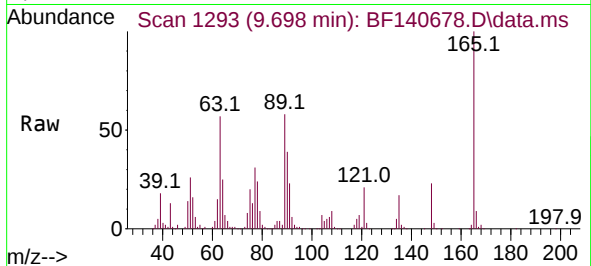




#51  
2,6-Dinitrotoluene  
Concen: 43.271 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

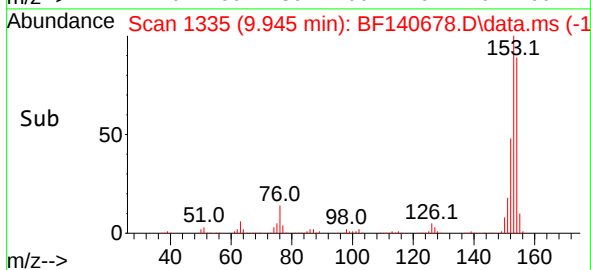
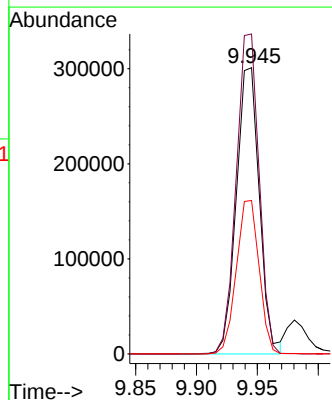
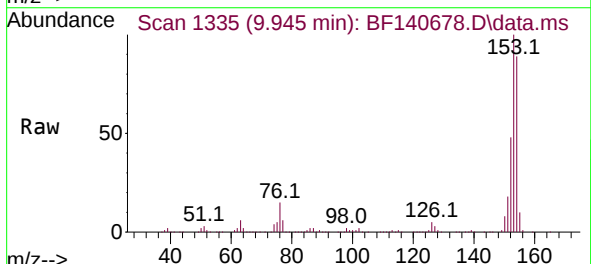
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

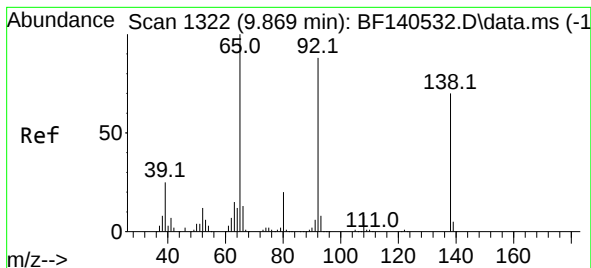
Tgt Ion:165 Resp: 103179  
Ion Ratio Lower Upper  
165 100  
63 57.5 49.9 74.9  
89 58.4 50.9 76.3



#52  
Acenaphthene  
Concen: 45.794 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:154 Resp: 397051  
Ion Ratio Lower Upper  
154 100  
153 111.8 89.7 134.5  
152 53.6 42.5 63.7





#53

3-Nitroaniline

Concen: 30.942 ng

RT: 9.869 min Scan# 1322

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

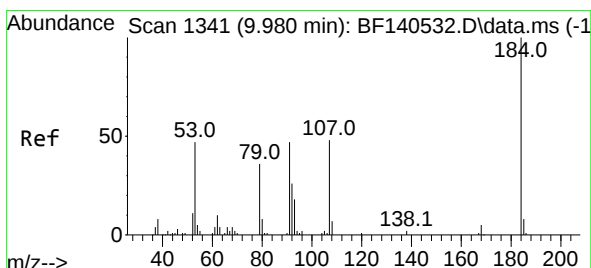
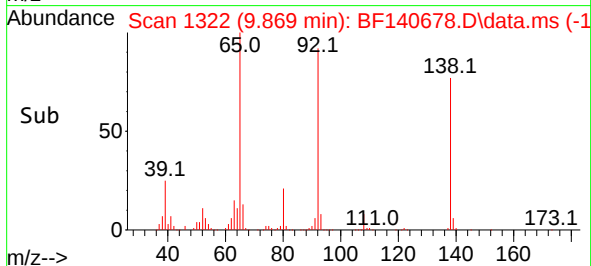
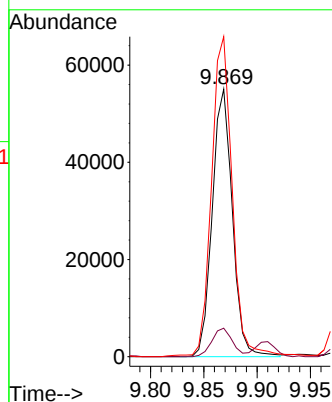
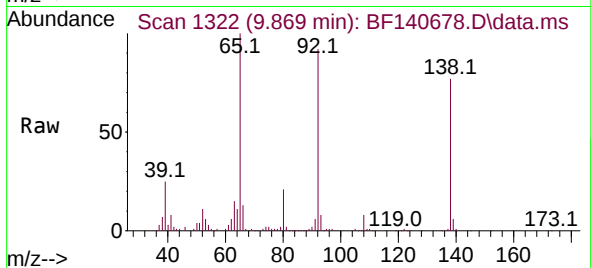
Tgt Ion:138 Resp: 72162

Ion Ratio Lower Upper

138 100

108 10.6 9.2 13.8

92 119.6 100.6 150.8



#54

2,4-Dinitrophenol

Concen: 63.032 ng

RT: 9.980 min Scan# 1341

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

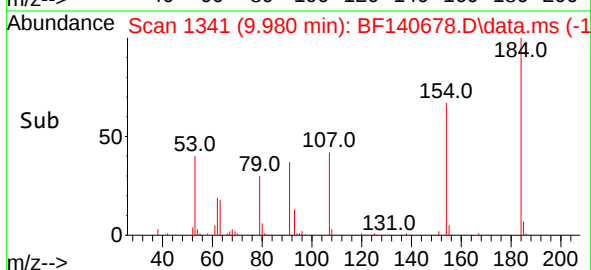
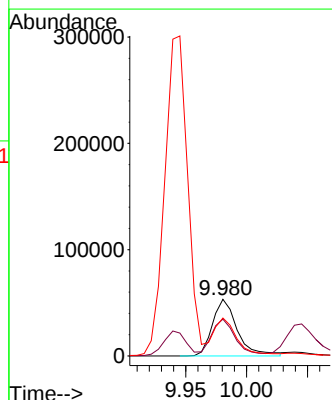
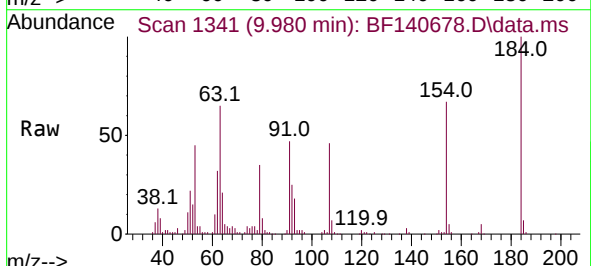
Tgt Ion:184 Resp: 75570

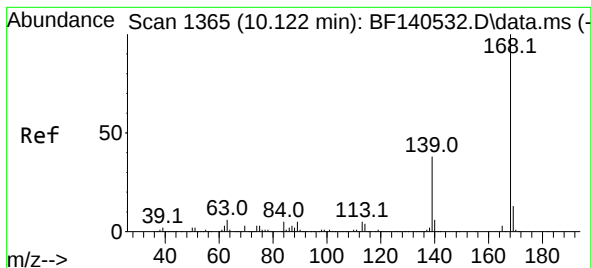
Ion Ratio Lower Upper

184 100

63 65.0 54.1 81.1

154 66.9 57.4 86.0





#55

Dibenzenofuran

Concen: 44.579 ng

RT: 10.116 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

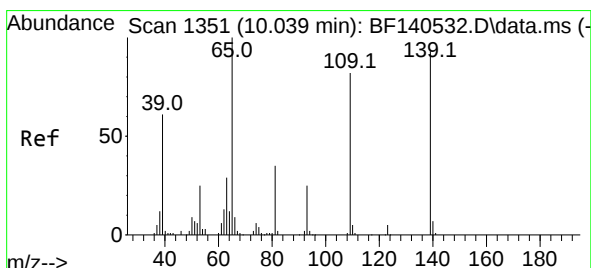
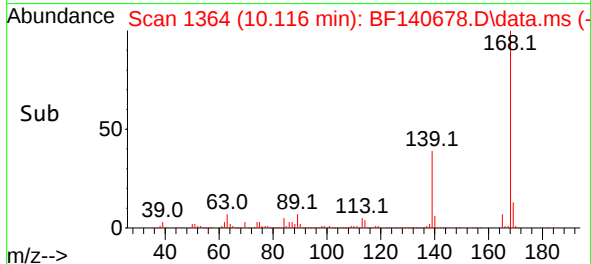
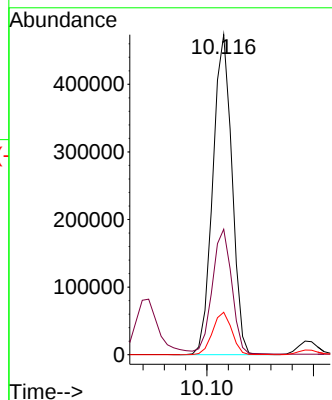
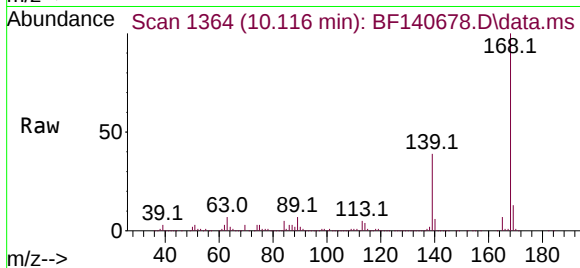
Tgt Ion:168 Resp: 589559

Ion Ratio Lower Upper

168 100

139 39.2 31.3 46.9

169 13.3 10.5 15.7



#56

4-Nitrophenol

Concen: 79.571 ng

RT: 10.045 min Scan# 1352

Delta R.T. 0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

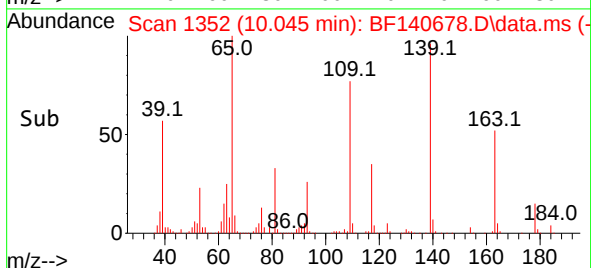
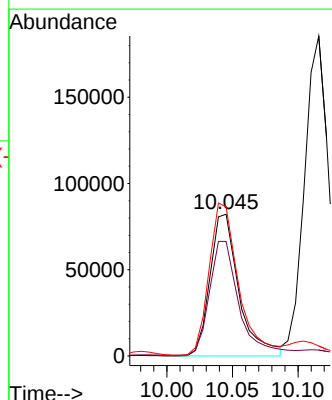
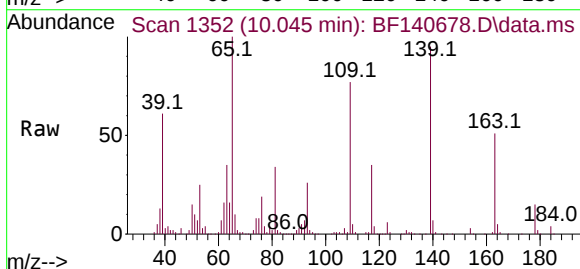
Tgt Ion:139 Resp: 126559

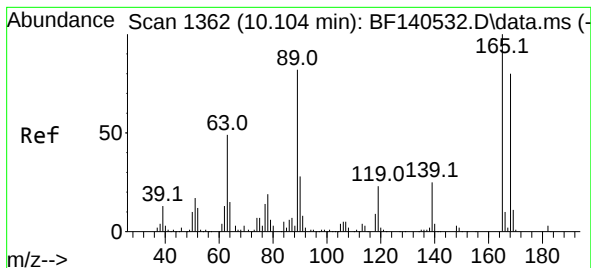
Ion Ratio Lower Upper

139 100

109 80.8 68.4 108.4

65 105.2 88.6 128.6

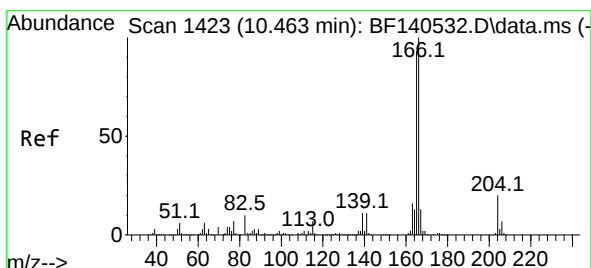
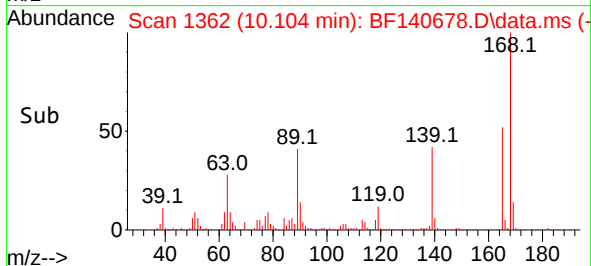
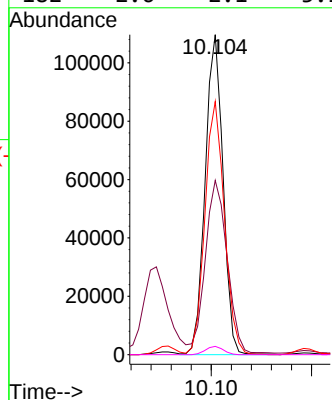
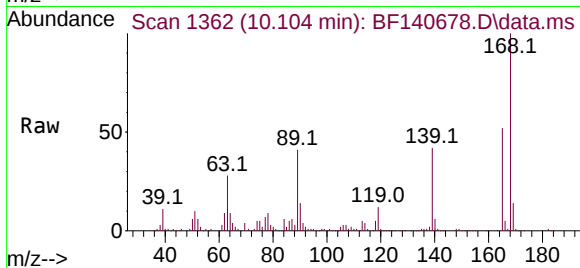




#57  
2,4-Dinitrotoluene  
Concen: 42.769 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

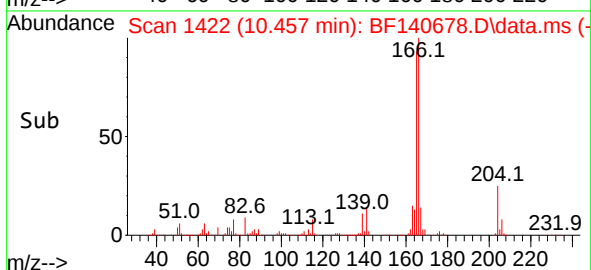
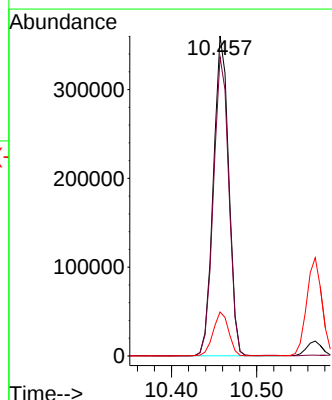
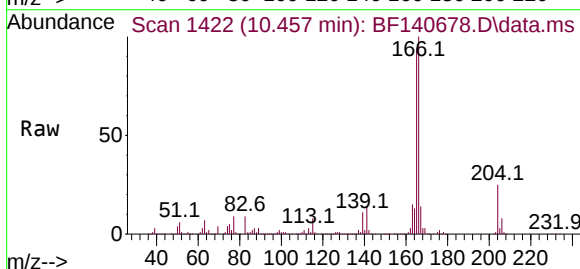
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

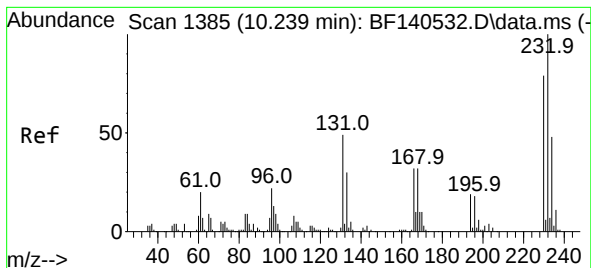
Tgt Ion:165 Resp: 135538  
Ion Ratio Lower Upper  
165 100  
63 54.5 41.7 62.5  
89 79.1 65.8 98.8  
182 2.6 2.1 3.1



#58  
Fluorene  
Concen: 42.492 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:166 Resp: 451074  
Ion Ratio Lower Upper  
166 100  
165 93.5 74.6 111.8  
167 13.8 10.6 16.0

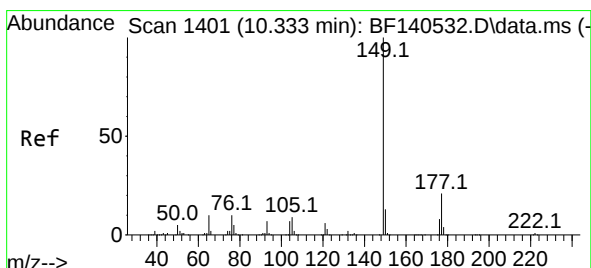
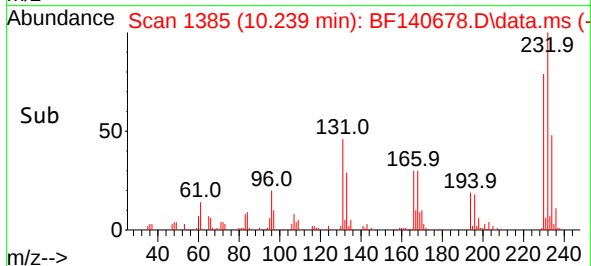
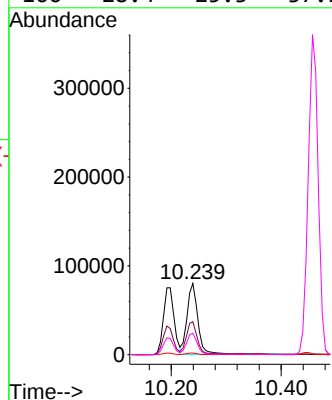
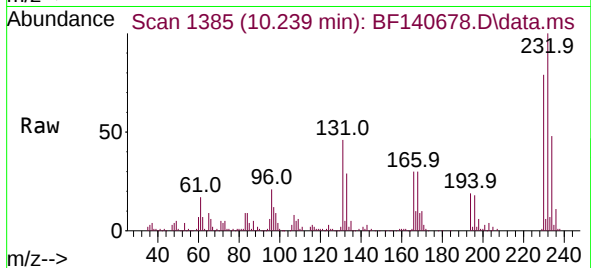




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.422 ng  
RT: 10.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

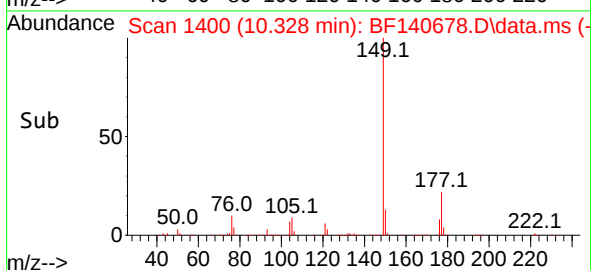
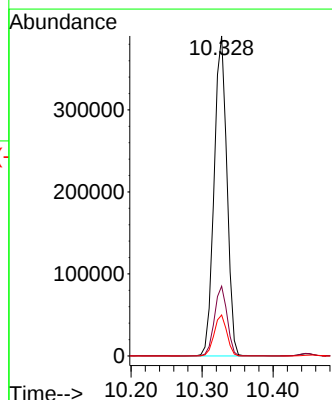
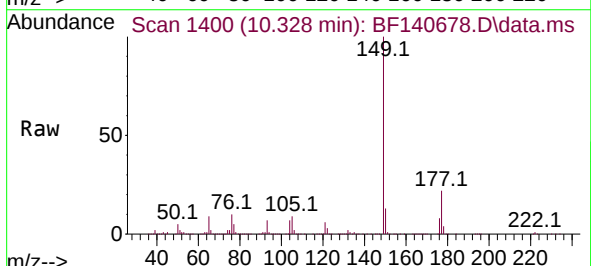
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

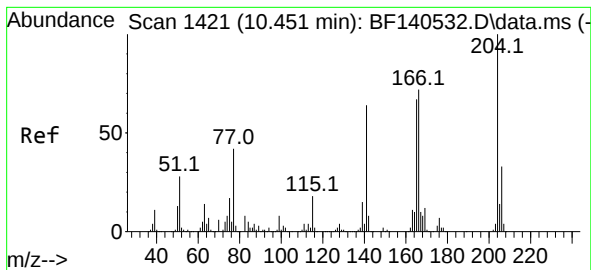
Tgt Ion:232 Resp: 111103  
Ion Ratio Lower Upper  
232 100  
131 45.0 39.6 59.4  
130 2.1 1.9 2.9  
166 28.4 25.3 37.9



#60  
Diethylphthalate  
Concen: 45.631 ng  
RT: 10.328 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:149 Resp: 487451  
Ion Ratio Lower Upper  
149 100  
177 21.8 17.1 25.7  
150 12.8 10.1 15.1

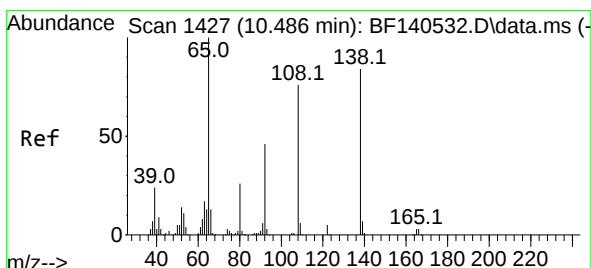
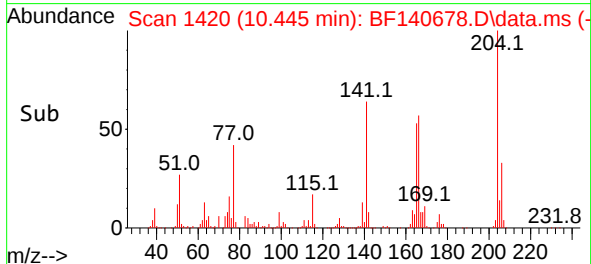
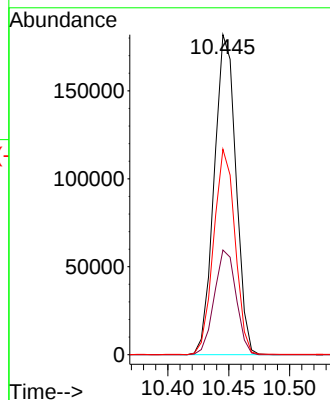
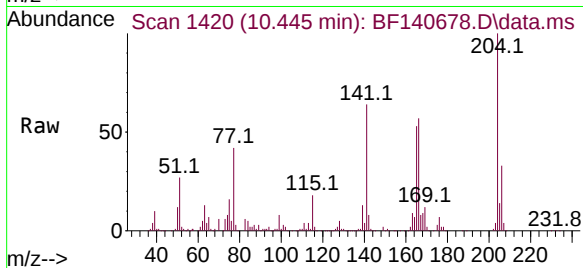




#61  
4-Chlorophenyl-phenylether  
Concen: 43.258 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

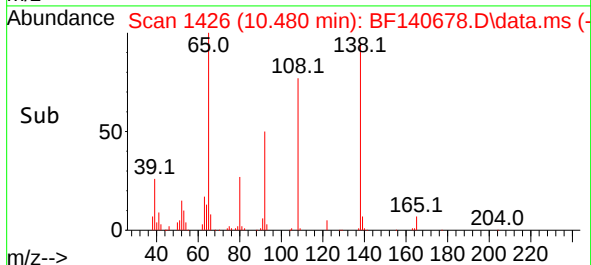
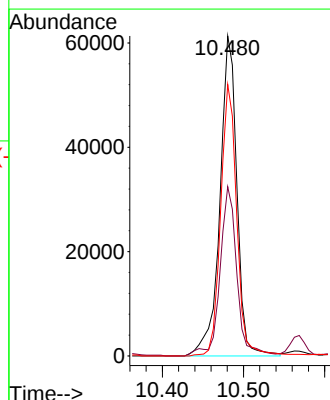
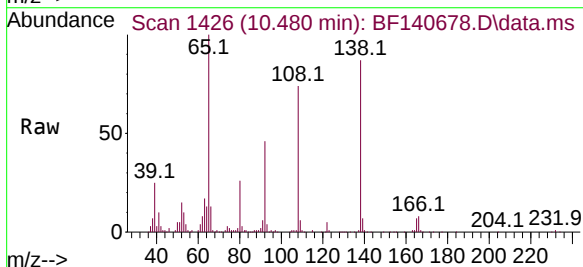
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

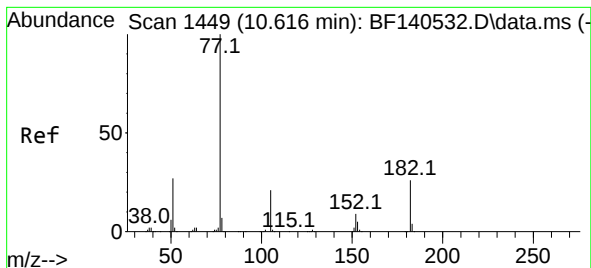
Tgt Ion:204 Resp: 225357  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.6 40.0  
141 64.2 51.1 76.7



#62  
4-Nitroaniline  
Concen: 36.643 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:138 Resp: 89628  
Ion Ratio Lower Upper  
138 100  
92 52.9 34.5 74.5  
108 84.8 70.6 110.6





#63

Azobenzene

Concen: 50.367 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion: 77 Resp: 509524

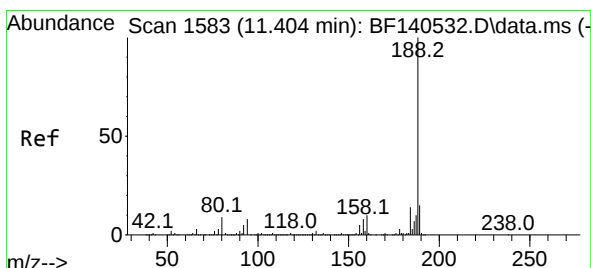
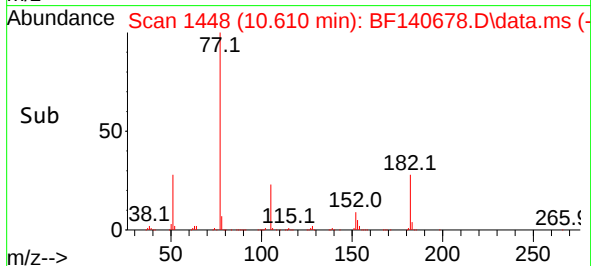
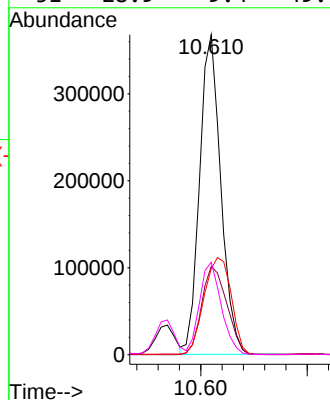
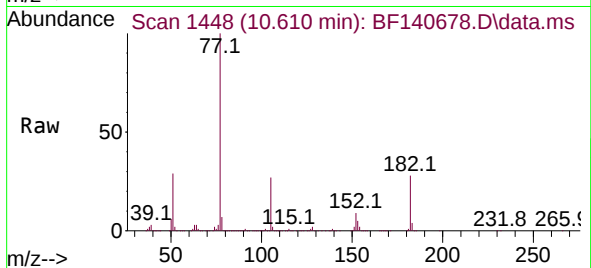
Ion Ratio Lower Upper

77 100

182 27.7 5.3 45.3

105 26.9 0.3 40.3

51 28.9 9.4 49.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

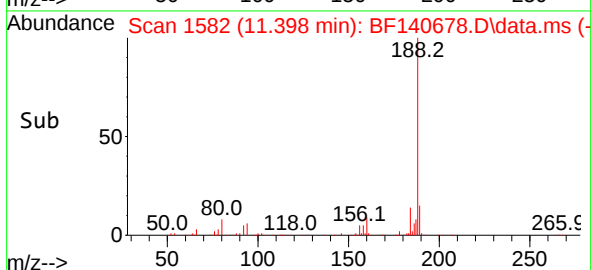
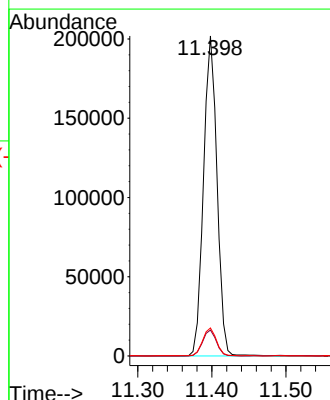
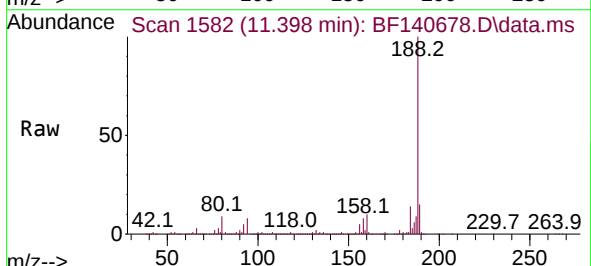
Tgt Ion:188 Resp: 255191

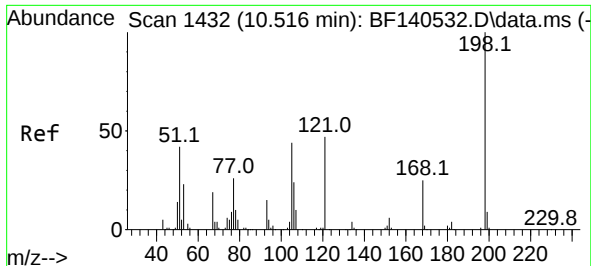
Ion Ratio Lower Upper

188 100

94 8.1 6.4 9.6

80 8.8 6.9 10.3

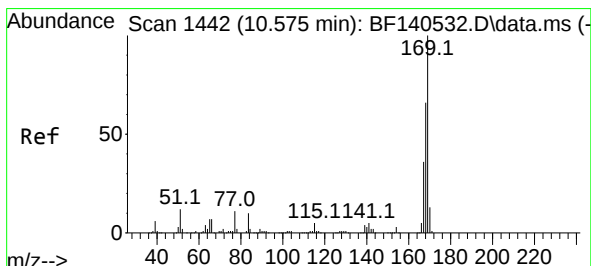
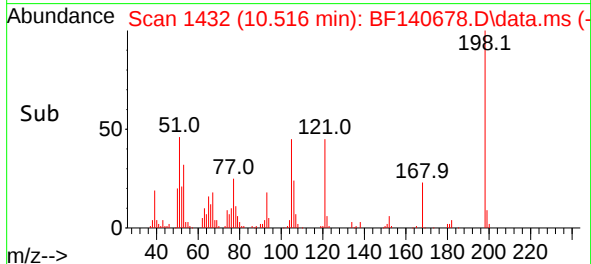
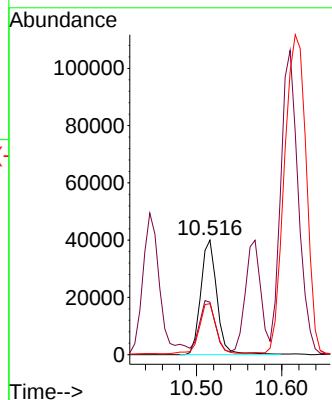
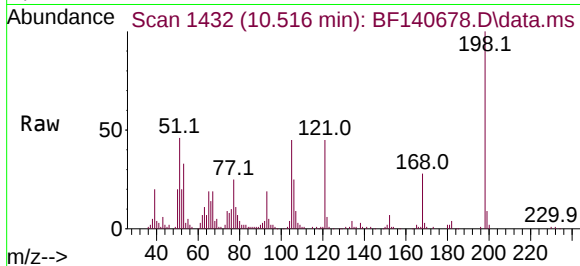




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.539 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

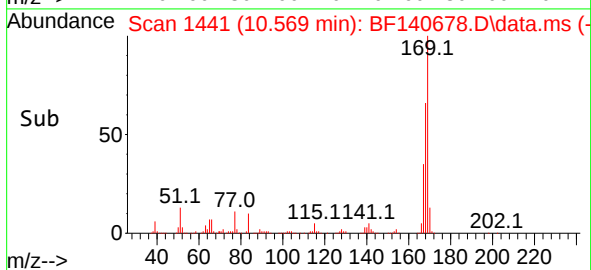
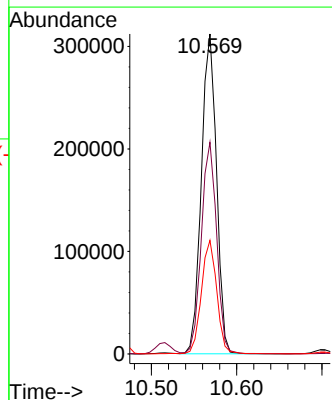
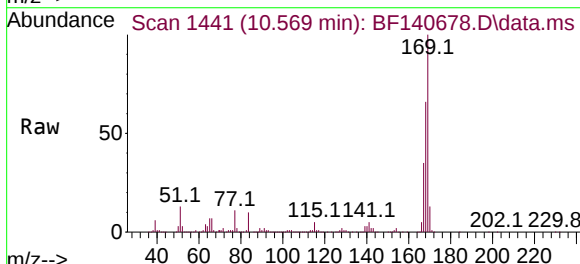
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

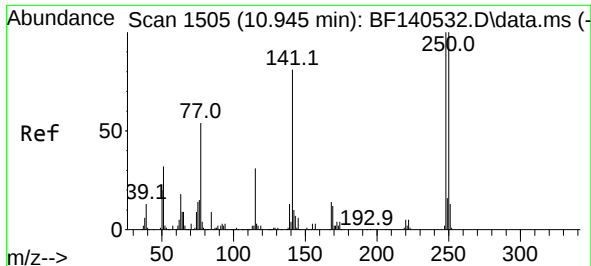
Tgt Ion:198 Resp: 52864  
Ion Ratio Lower Upper  
198 100  
51 45.8 29.4 69.4  
105 44.5 25.4 65.4



#66  
n-Nitrosodiphenylamine  
Concen: 51.018 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:169 Resp: 385012  
Ion Ratio Lower Upper  
169 100  
168 66.1 53.2 79.8  
167 35.5 29.0 43.6

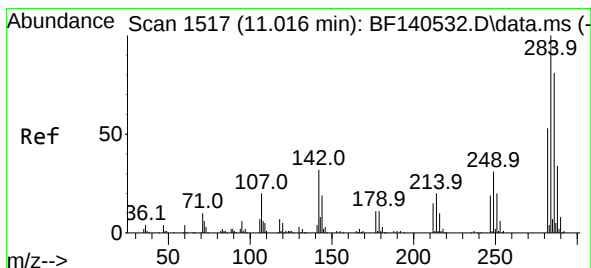
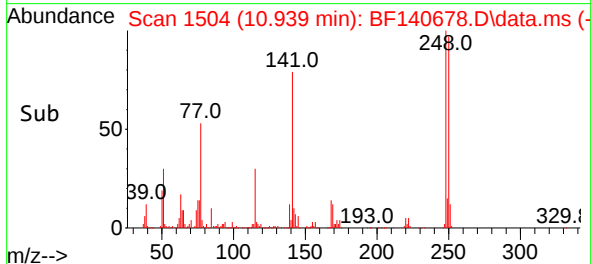
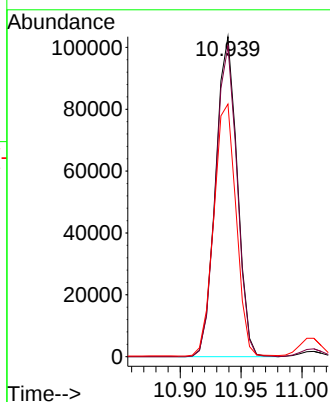
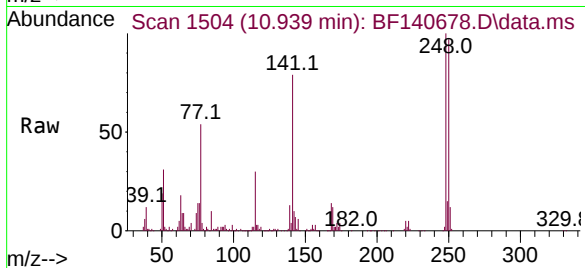




#67  
4-Bromophenyl-phenylether  
Concen: 48.716 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

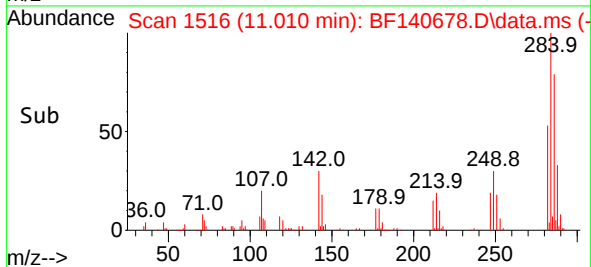
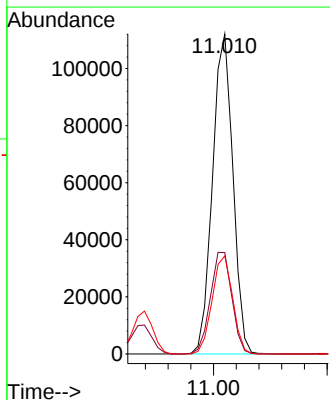
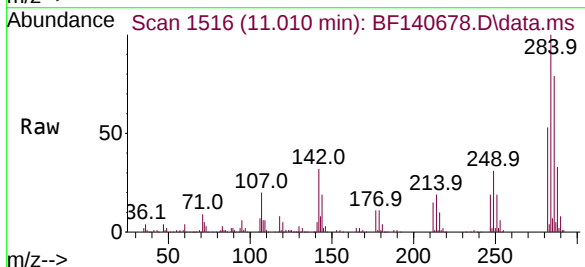
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:248 Resp: 128030  
Ion Ratio Lower Upper  
248 100  
250 97.1 79.8 119.8  
141 79.0 64.7 97.1



#68  
Hexachlorobenzene  
Concen: 45.879 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:284 Resp: 139613  
Ion Ratio Lower Upper  
284 100  
142 31.7 25.3 37.9  
249 30.7 24.8 37.2





#69

Atrazine

Concen: 57.360 ng

RT: 11.092 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

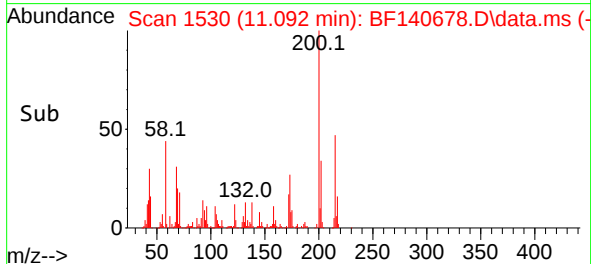
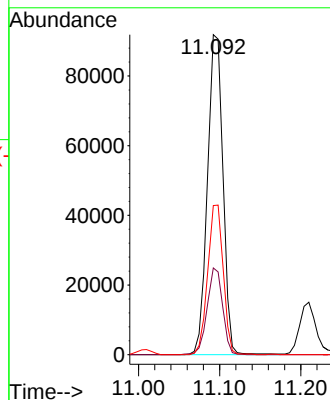
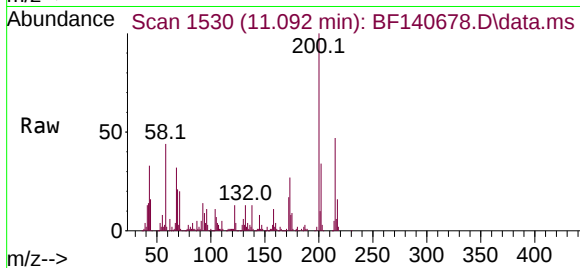
Tgt Ion:200 Resp: 121776

Ion Ratio Lower Upper

200 100

173 27.1 7.0 47.0

215 46.6 26.7 66.7



#70

Pentachlorophenol

Concen: 91.823 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

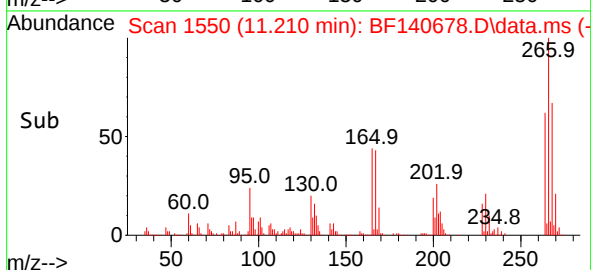
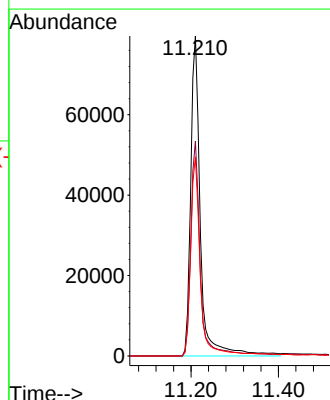
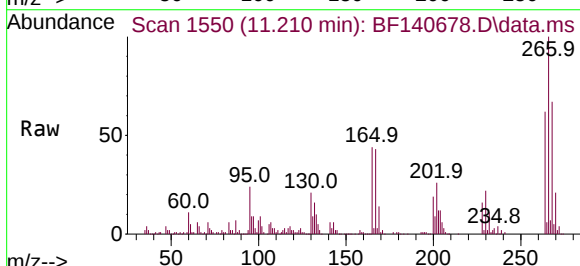
Tgt Ion:266 Resp: 122981

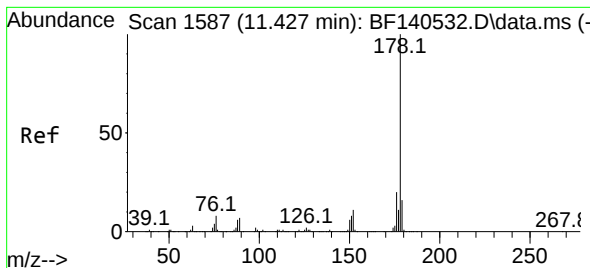
Ion Ratio Lower Upper

266 100

268 67.2 53.7 80.5

264 62.2 49.8 74.8





#71

Phenanthrene

Concen: 48.156 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

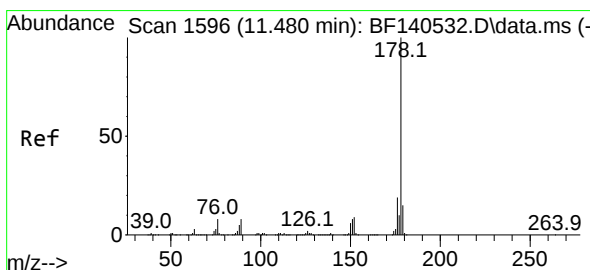
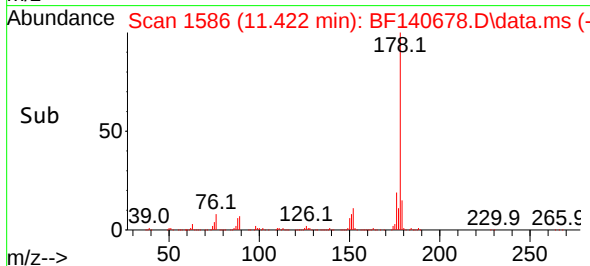
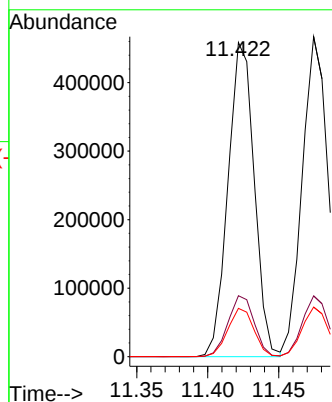
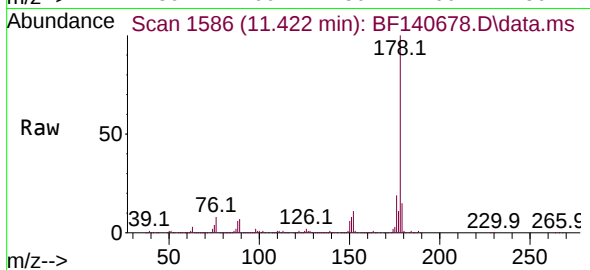
Tgt Ion:178 Resp: 590720

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

179 15.4 12.4 18.6



#72

Anthracene

Concen: 49.119 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

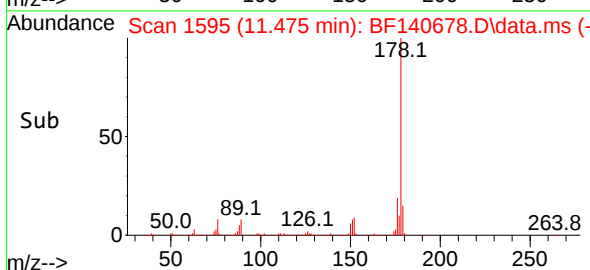
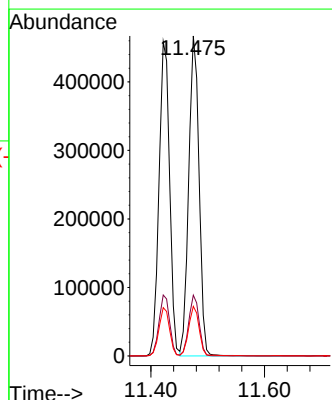
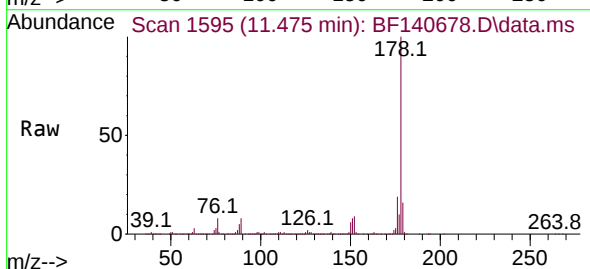
Tgt Ion:178 Resp: 589395

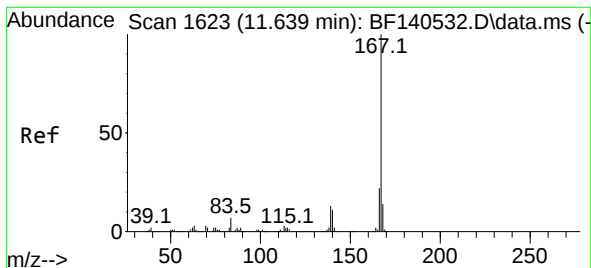
Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.4

179 15.5 12.2 18.4





#73

Carbazole

Concen: 45.494 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

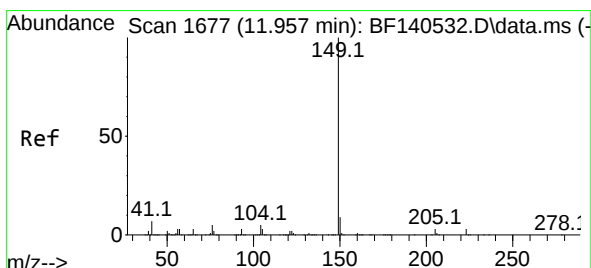
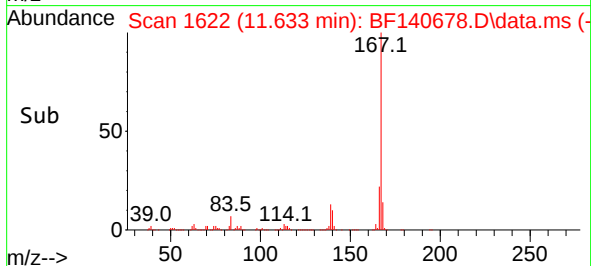
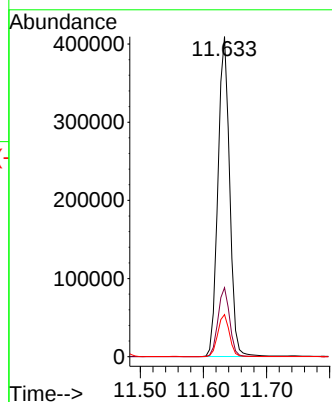
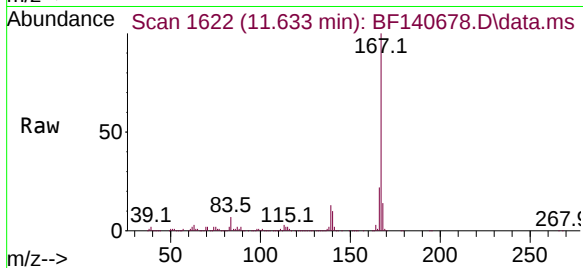
Tgt Ion:167 Resp: 525152

Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 13.2 10.6 15.8



#74

Di-n-butylphthalate

Concen: 49.380 ng

RT: 11.951 min Scan# 1676

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

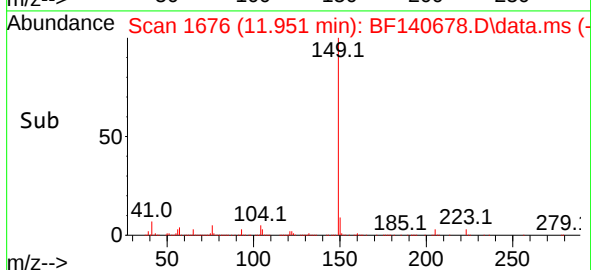
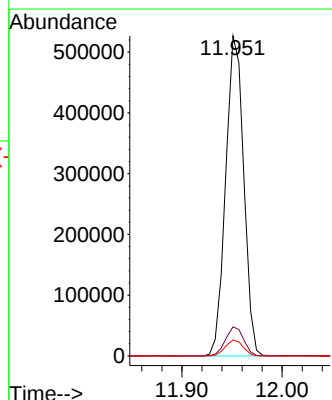
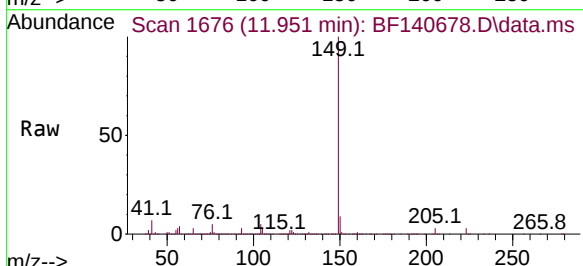
Tgt Ion:149 Resp: 658069

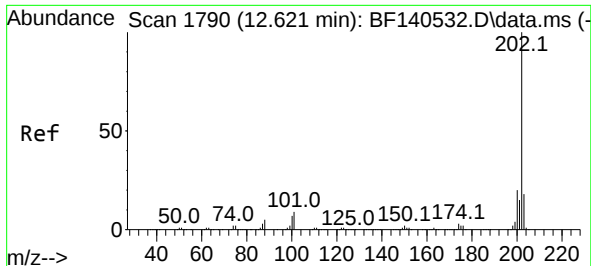
Ion Ratio Lower Upper

149 100

150 9.1 7.5 11.3

104 5.0 4.1 6.1

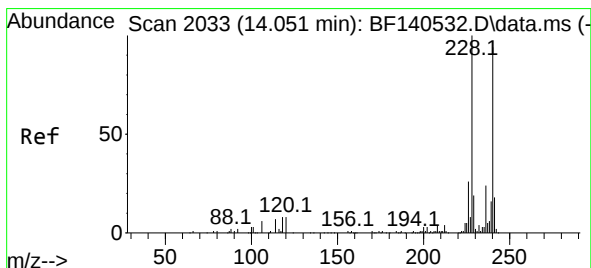
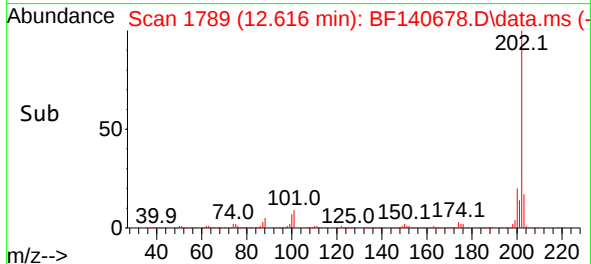
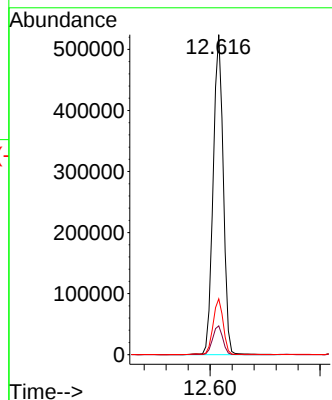
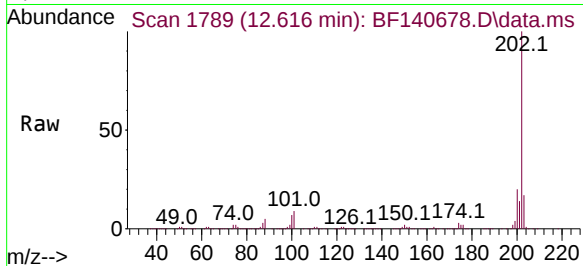




#75  
Fluoranthene  
Concen: 50.211 ng  
RT: 12.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

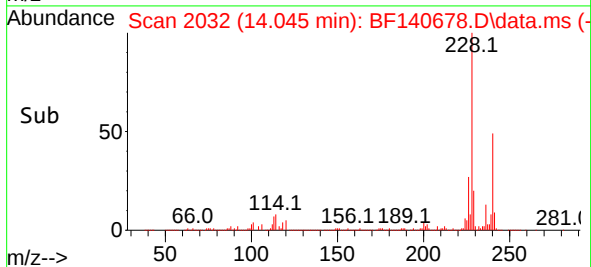
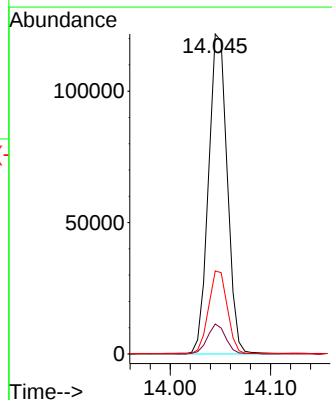
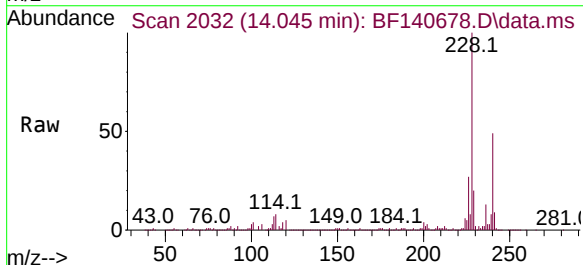
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

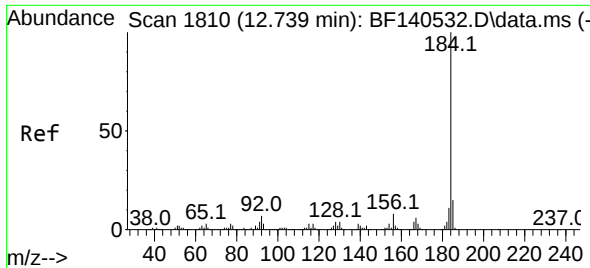
Tgt Ion:202 Resp: 668736  
Ion Ratio Lower Upper  
202 100  
101 9.0 0.0 28.9  
203 17.5 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:240 Resp: 158828  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.3 10.9  
236 26.0 20.6 31.0

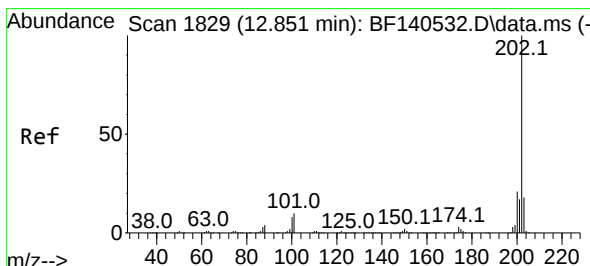
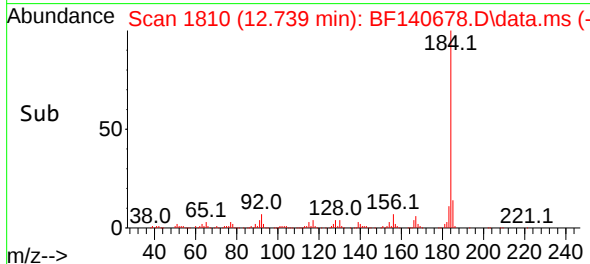
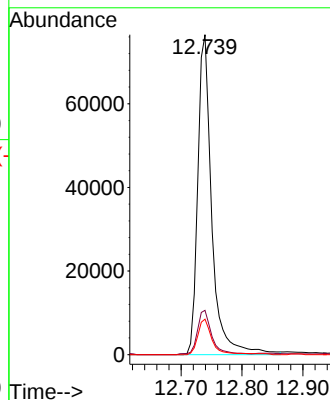
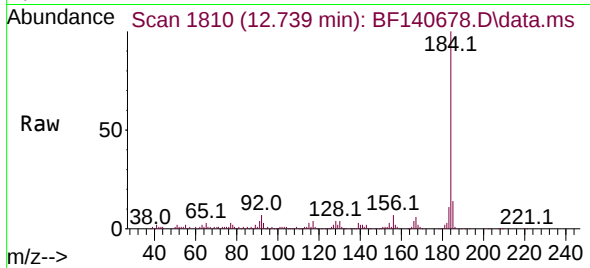




#77  
Benzidine  
Concen: 26.501 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

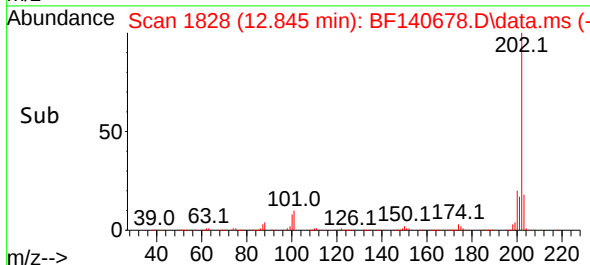
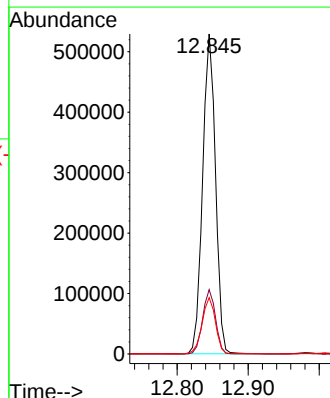
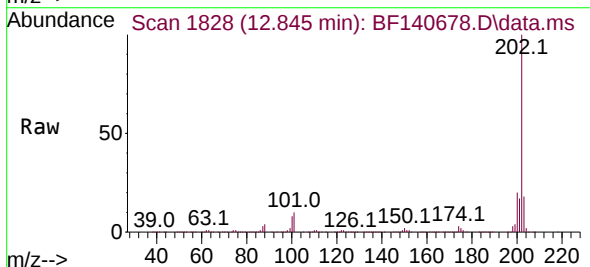
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

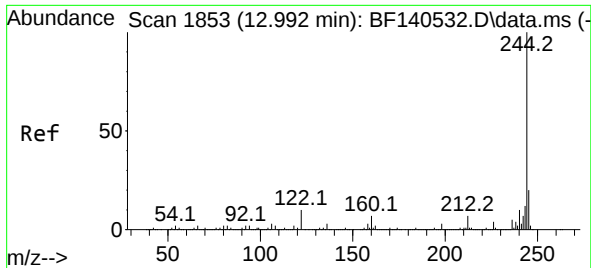
Tgt Ion:184 Resp: 122379  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.7 17.5  
183 11.1 8.8 13.2



#78  
Pyrene  
Concen: 45.506 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:202 Resp: 668279  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.5 24.7  
203 17.6 14.2 21.4

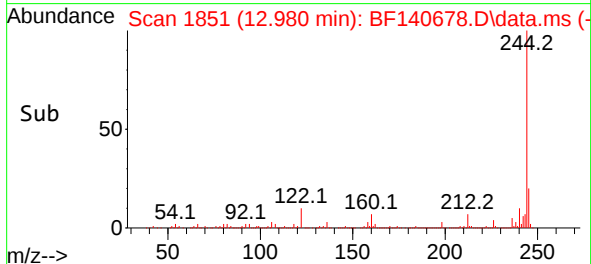
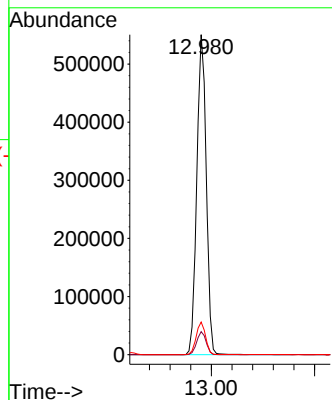
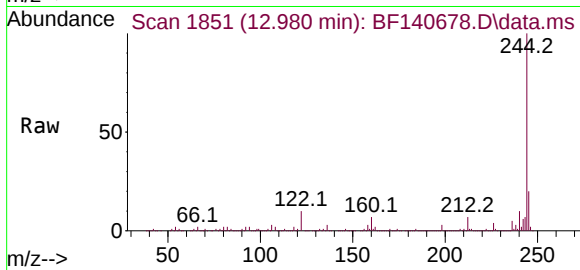




#79  
 Terphenyl-d14  
 Concen: 68.571 ng  
 RT: 12.980 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF140678.D  
 Acq: 27 Nov 2024 18:50

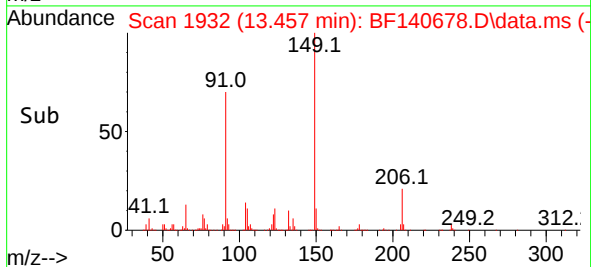
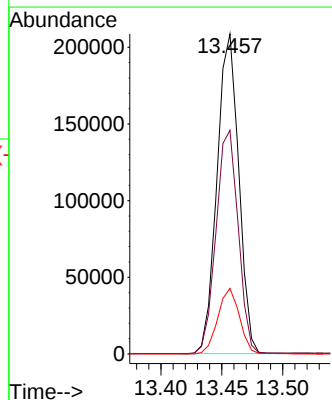
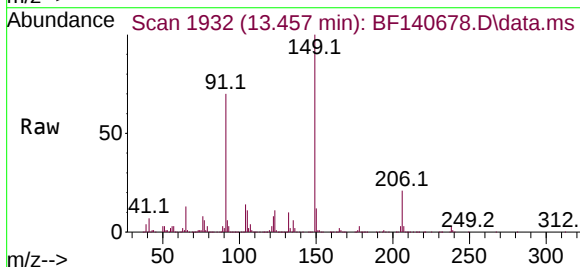
Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD

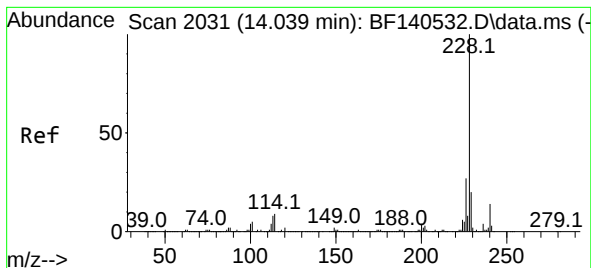
Tgt Ion:244 Resp: 699432  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.8  
 122 10.2 8.0 12.0



#80  
 Butylbenzylphthalate  
 Concen: 49.076 ng  
 RT: 13.457 min Scan# 1932  
 Delta R.T. -0.006 min  
 Lab File: BF140678.D  
 Acq: 27 Nov 2024 18:50

Tgt Ion:149 Resp: 259631  
 Ion Ratio Lower Upper  
 149 100  
 91 69.9 56.2 84.2  
 206 20.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 49.801 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

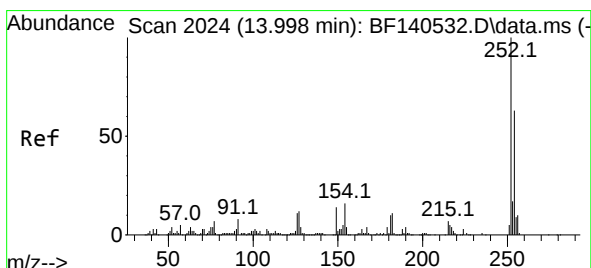
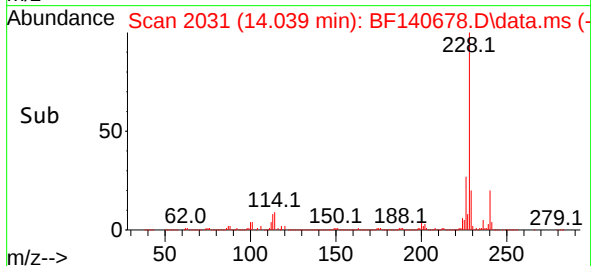
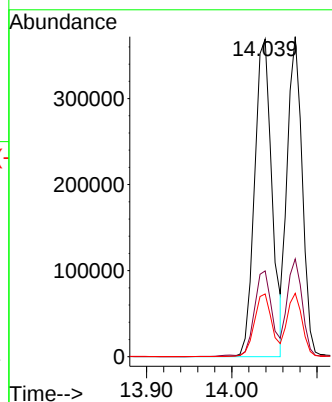
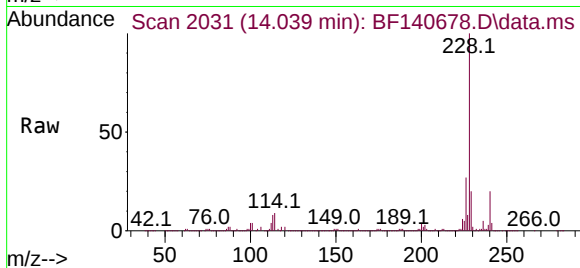
Tgt Ion:228 Resp: 523597

Ion Ratio Lower Upper

228 100

226 27.0 21.8 32.8

229 19.7 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 39.324 ng

RT: 13.998 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

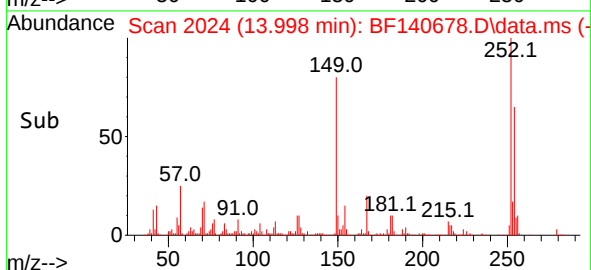
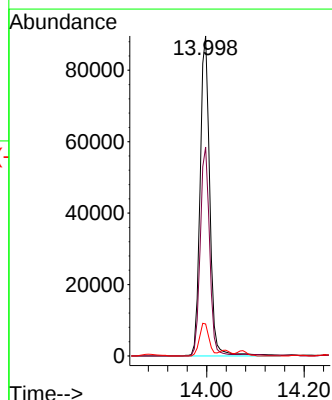
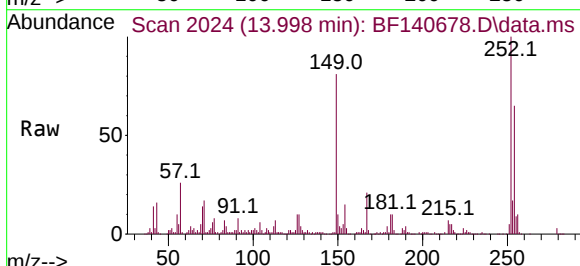
Tgt Ion:252 Resp: 124133

Ion Ratio Lower Upper

252 100

254 65.3 50.8 76.2

126 10.0 8.6 13.0





#83

Chrysene

Concen: 46.828 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

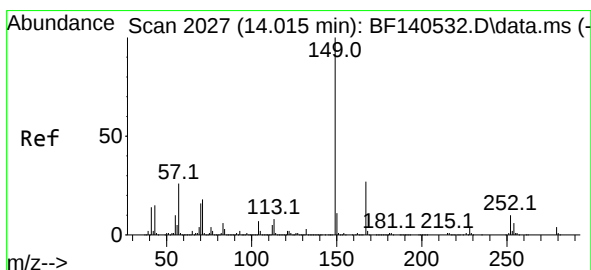
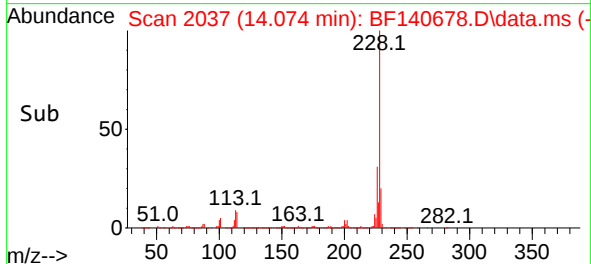
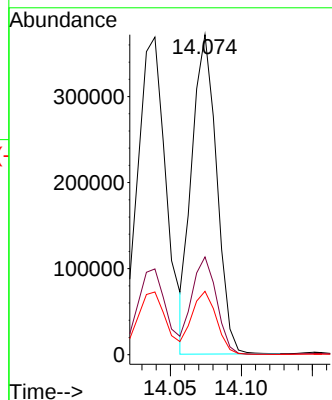
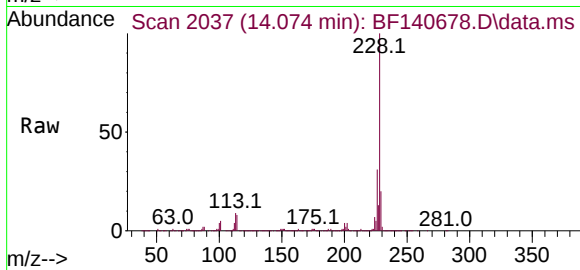
Tgt Ion:228 Resp: 450188

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 19.8 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.267 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

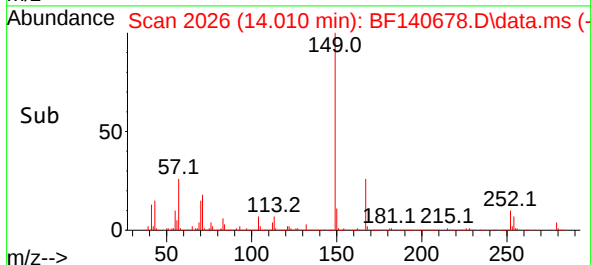
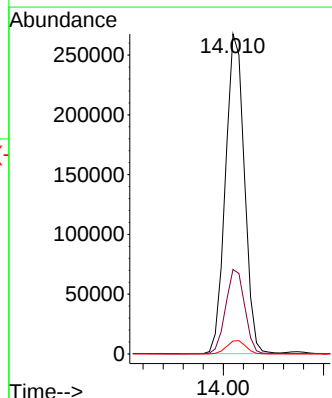
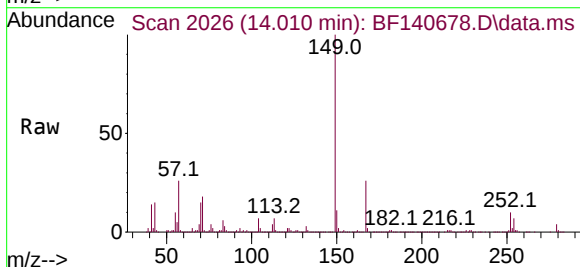
Tgt Ion:149 Resp: 349154

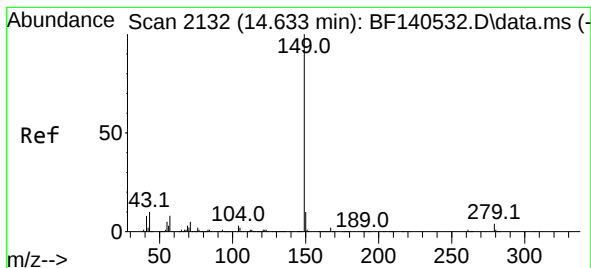
Ion Ratio Lower Upper

149 100

167 26.4 21.2 31.8

279 4.0 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 55.627 ng

RT: 14.633 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

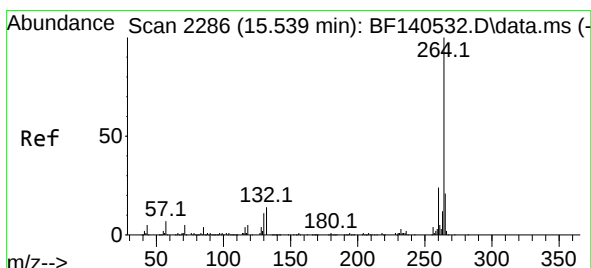
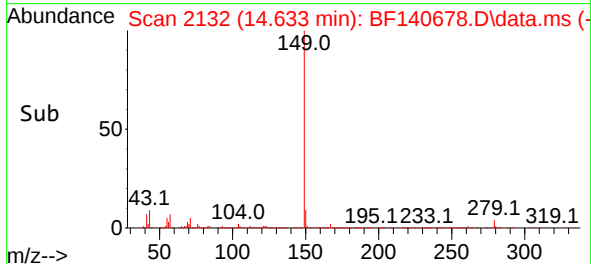
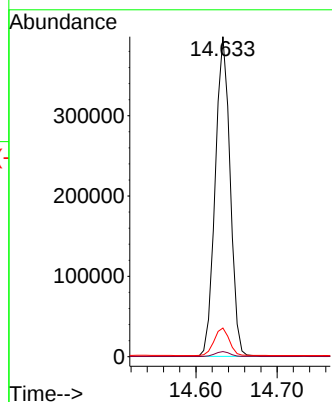
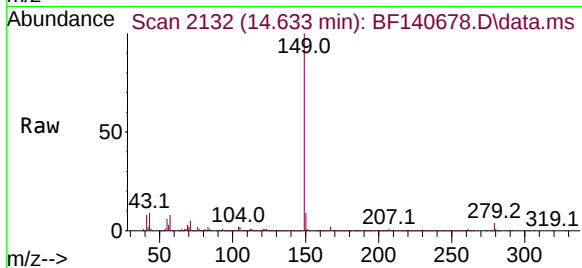
Tgt Ion:149 Resp: 507840

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.8 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

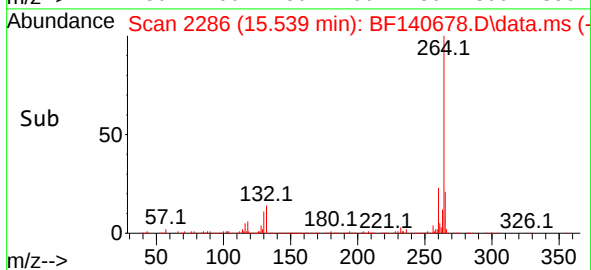
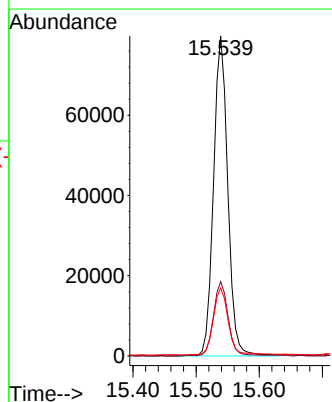
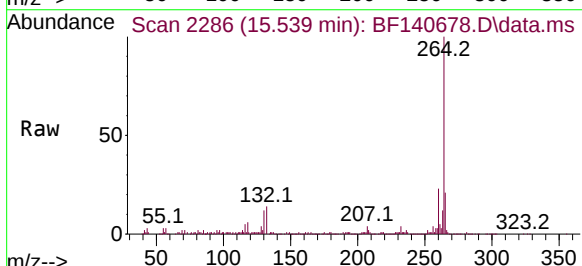
Tgt Ion:264 Resp: 124917

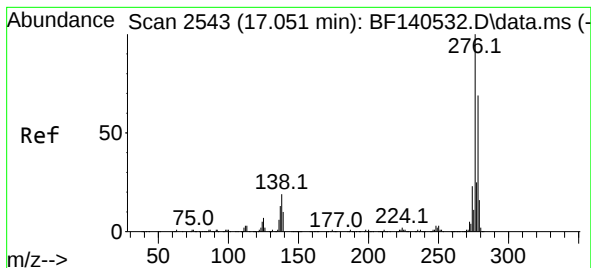
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.3 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.604 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

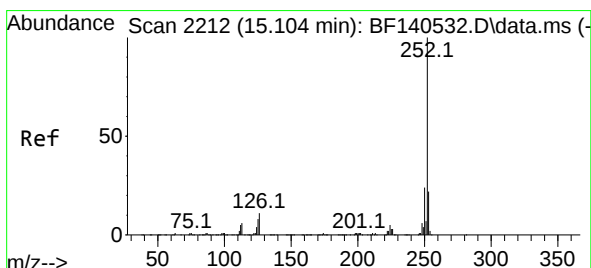
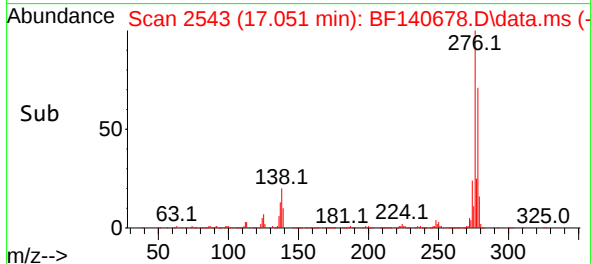
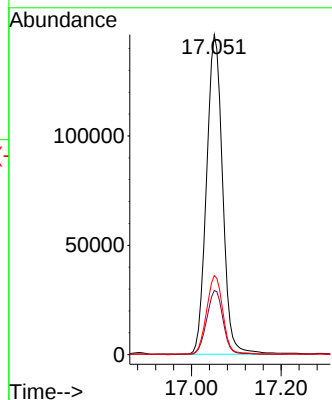
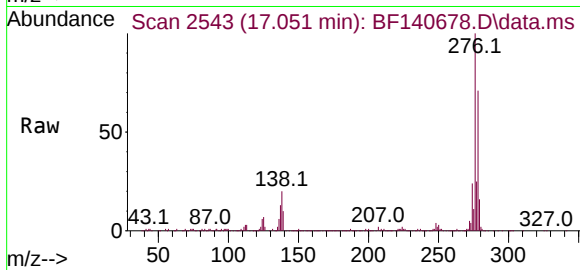
Tgt Ion:276 Resp: 363109

Ion Ratio Lower Upper

276 100

138 20.8 15.5 23.3

277 25.1 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 47.897 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

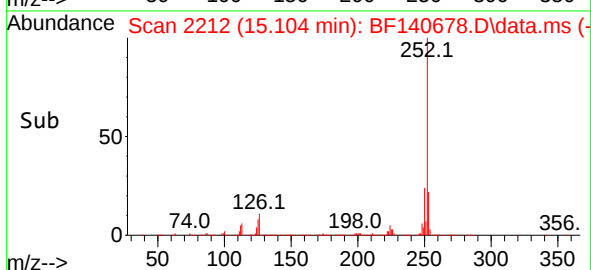
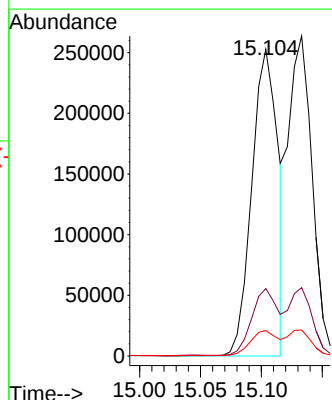
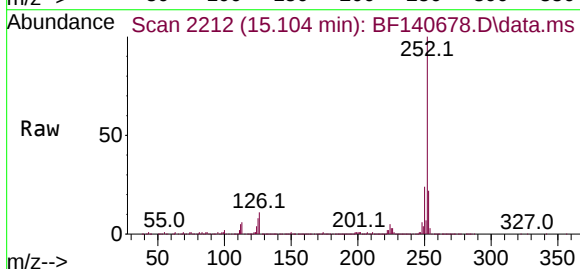
Tgt Ion:252 Resp: 375811

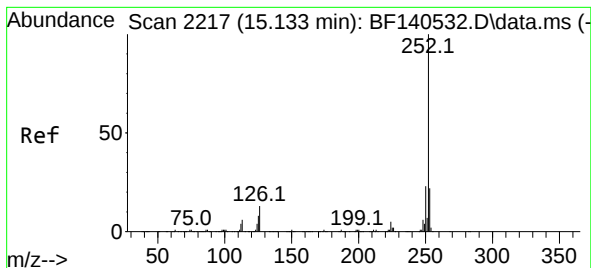
Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

125 8.3 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 51.838 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

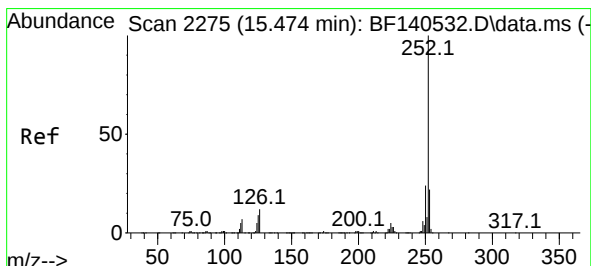
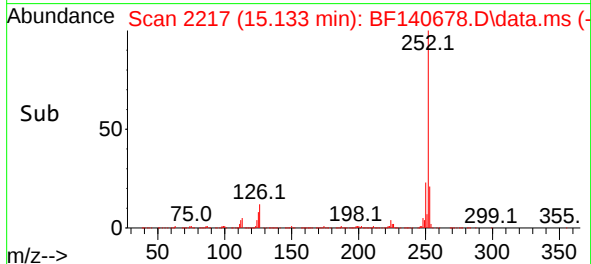
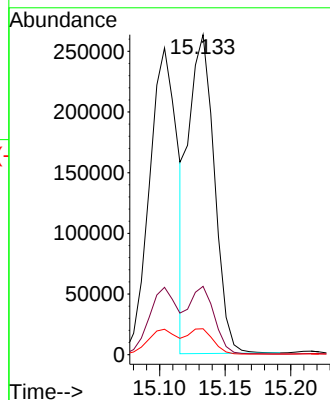
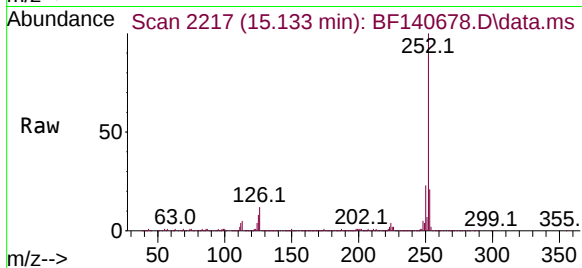
Tgt Ion:252 Resp: 355927

Ion Ratio Lower Upper

252 100

253 21.3 17.5 26.3

125 8.1 6.5 9.7



#90

Benzo(a)pyrene

Concen: 51.841 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140678.D

Acq: 27 Nov 2024 18:50

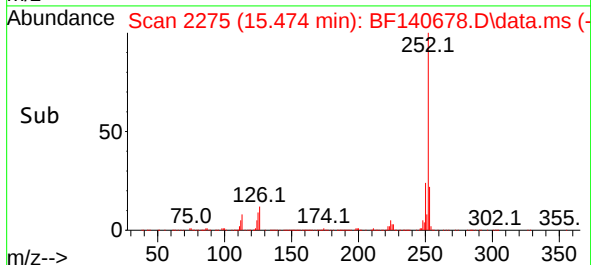
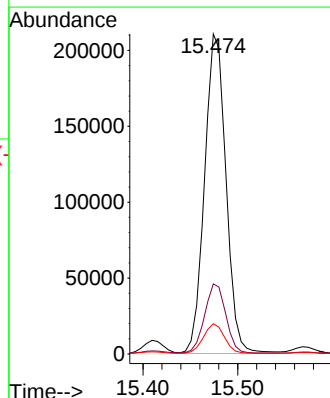
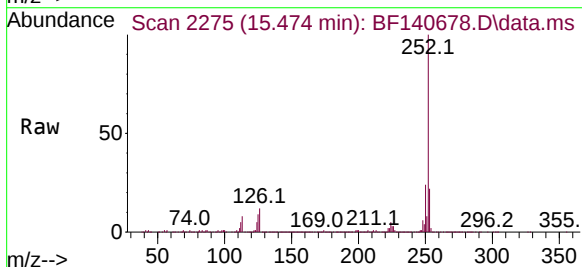
Tgt Ion:252 Resp: 330722

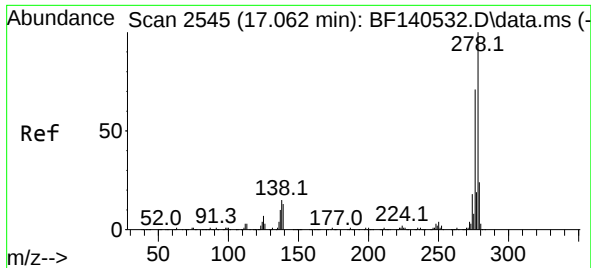
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.4 7.0 10.6

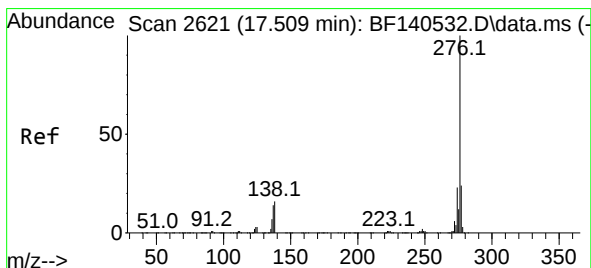
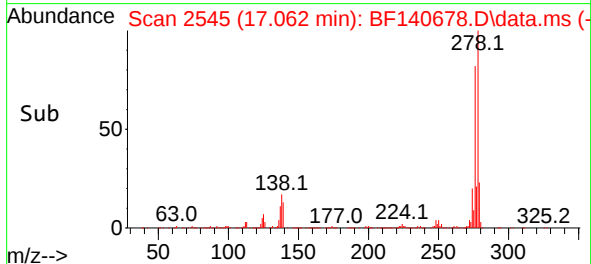
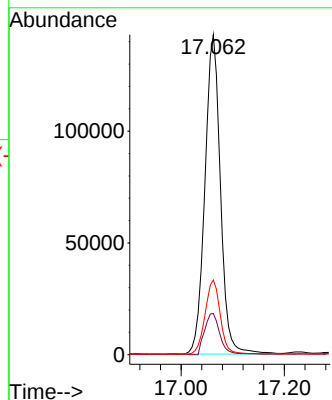
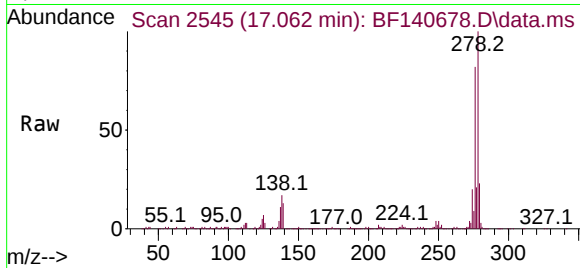




#91  
Dibenzo(a,h)anthracene  
Concen: 44.722 ng  
RT: 17.062 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:278 Resp: 298157  
Ion Ratio Lower Upper  
278 100  
139 12.8 10.2 15.4  
279 23.4 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 40.351 ng  
RT: 17.504 min Scan# 2620  
Delta R.T. -0.006 min  
Lab File: BF140678.D  
Acq: 27 Nov 2024 18:50

Tgt Ion:276 Resp: 274518  
Ion Ratio Lower Upper  
276 100  
277 23.2 18.9 28.3  
138 17.6 13.2 19.8

