

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121924\  
 Data File : BF140935.D  
 Acq On : 19 Dec 2024 19:08  
 Operator : RC/JU  
 Sample : P5301-03MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-04-121624MS

Quant Time: Dec 20 00:09:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 16 16:59:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.851  | 152  | 59192    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 196105   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 89823    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 167636   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 122820   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.539 | 264  | 99558    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.492  | 112  | 339323   | 94.369 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 427168   | 89.693 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.416  | 82   | 262949   | 67.085 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 97662    | 91.930 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 423047   | 64.752 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 448493   | 57.581 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.640  | 88   | 55343    | 35.733 | ng    | 99       |
| 3) Pyridine                   | 3.422  | 79   | 139719   | 38.954 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.369  | 42   | 76958    | 42.561 | ng    | 99       |
| 6) Aniline                    | 6.522  | 93   | 84418    | 20.731 | ng    | # 44     |
| 8) 2-Chlorophenol             | 6.645  | 128  | 165810   | 42.286 | ng    | 99       |
| 9) Benzaldehyde               | 6.410  | 77   | 34635    | 13.125 | ng    | 96       |
| 10) Phenol                    | 6.522  | 94   | 204961   | 41.523 | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.587  | 93   | 169049   | 45.923 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.792  | 146  | 178857   | 40.030 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.869  | 146  | 184393   | 40.657 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.016  | 146  | 172025   | 40.201 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 144965   | 42.571 | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 183866   | 42.400 | ng    | 95       |
| 17) 2-Methylphenol            | 7.122  | 107  | 124264   | 39.694 | ng    | 97       |
| 18) Hexachloroethane          | 7.357  | 117  | 64969    | 38.479 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.263  | 70   | 116954   | 40.939 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.292  | 107  | 169011   | 40.714 | ng    | # 63     |
| 22) Acetophenone              | 7.263  | 105  | 233352   | 47.568 | ng    | # 92     |
| 24) Nitrobenzene              | 7.434  | 77   | 169362   | 42.176 | ng    | 99       |
| 25) Isophorone                | 7.675  | 82   | 292061   | 44.470 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.751  | 139  | 82115    | 44.400 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 115786   | 53.608 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 181344   | 44.209 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.022  | 162  | 125712   | 42.158 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.075  | 180  | 137247   | 40.151 | ng    | 100      |
| 31) Naphthalene               | 8.151  | 128  | 450323   | 41.804 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 63980    | 31.234 | ng    | # 86     |
| 33) 4-Chloroaniline           | 8.222  | 127  | 57995    | 16.210 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 92950    | 40.416 | ng    | 100      |
| 35) Caprolactam               | 8.575  | 113  | 34062    | 38.370 | ng    | # 81     |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 118981   | 35.451 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.845  | 142  | 277571   | 38.953 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 251711   | 35.717 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.010  | 216  | 127426   | 46.155 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 77518    | 45.854 | ng    | 96       |
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 77243    | 41.571 | ng    | 96       |

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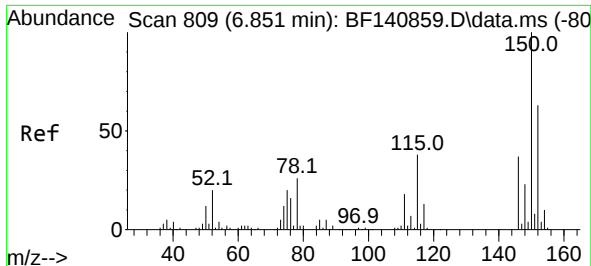
Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-04-121624MS

Quant Time: Dec 20 00:09:30 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF121624.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 330768   | 46.309 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.333  | 162  | 235087   | 43.023 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.439  | 65   | 71522    | 43.340 | ng    | 96       |
| 49) Acenaphthylene            | 9.751  | 152  | 371164   | 46.222 | ng    | 100      |
| 50) Dimethylphthalate         | 9.604  | 163  | 282341   | 44.584 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.680  | 165  | 57425    | 39.666 | ng    | 94       |
| 52) Acenaphthene              | 9.922  | 154  | 226164   | 44.092 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.851  | 138  | 44414    | 30.914 | ng    | # 99     |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 18892    | 31.099 | ng    | 92       |
| 55) Dibenzofuran              | 10.092 | 168  | 335305   | 42.186 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 55745    | 72.570 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 76310    | 40.062 | ng    | # 98     |
| 58) Fluorene                  | 10.439 | 166  | 272314   | 41.528 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.222 | 232  | 63984    | 42.259 | ng    | # 92     |
| 60) Diethylphthalate          | 10.304 | 149  | 270027   | 41.120 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 130925   | 39.748 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 48190    | 32.098 | ng    | 98       |
| 63) Azobenzene                | 10.586 | 77   | 257018   | 41.632 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 17014    | 17.911 | ng    | # 69     |
| 66) n-Nitrosodiphenylamine    | 10.545 | 169  | 235642   | 45.720 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248  | 76614    | 40.852 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.992 | 284  | 88116    | 41.441 | ng    | 99       |
| 69) Atrazine                  | 11.074 | 200  | 77790    | 54.041 | ng    | 98       |
| 70) Pentachlorophenol         | 11.198 | 266  | 67942    | 87.398 | ng    | 99       |
| 71) Phenanthrene              | 11.404 | 178  | 470076   | 54.530 | ng    | 99       |
| 72) Anthracene                | 11.457 | 178  | 412998   | 48.648 | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 370306   | 44.533 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 446044   | 45.706 | ng    | 100      |
| 75) Fluoranthene              | 12.598 | 202  | 594749   | 59.906 | ng    | 99       |
| 77) Benzidine                 | 12.721 | 184  | 52871    | 21.092 | ng    | # 91     |
| 78) Pyrene                    | 12.827 | 202  | 615083   | 56.317 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 198502   | 49.394 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 441510   | 50.721 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 80550    | 30.671 | ng    | # 99     |
| 83) Chrysene                  | 14.063 | 228  | 377556   | 47.699 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 316173   | 61.016 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 402099   | 51.291 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.056 | 276  | 310213   | 49.931 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 319403   | 46.218 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 279331m  | 47.120 | ng    |          |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 273248   | 50.495 | ng    | # 98     |
| 91) Dibenzo(a,h)anthracene    | 17.056 | 278  | 245120   | 47.624 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.515 | 276  | 238757   | 45.578 | ng    | 99       |

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

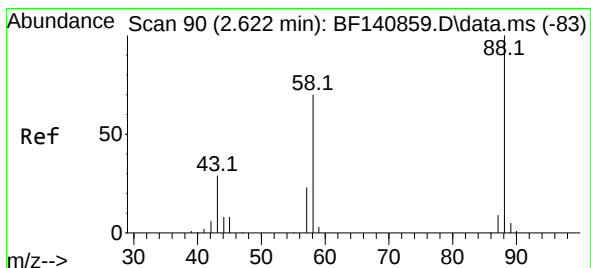
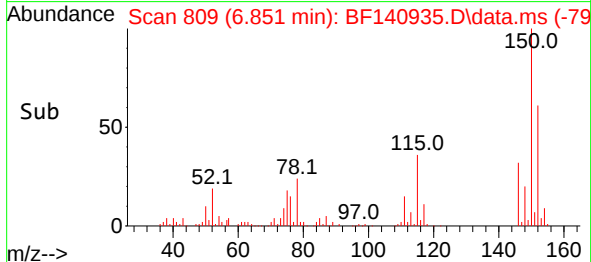
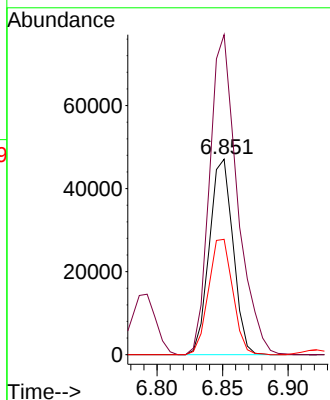
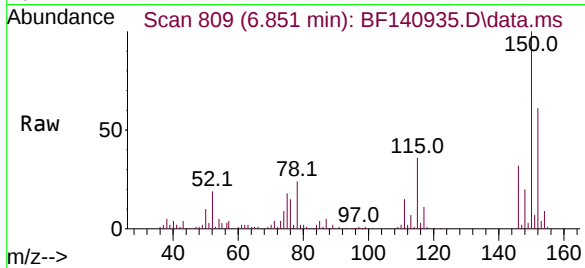




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.851 min Scan# 809  
 Delta R.T. 0.000 min  
 Lab File: BF140935.D  
 Acq: 19 Dec 2024 19:08

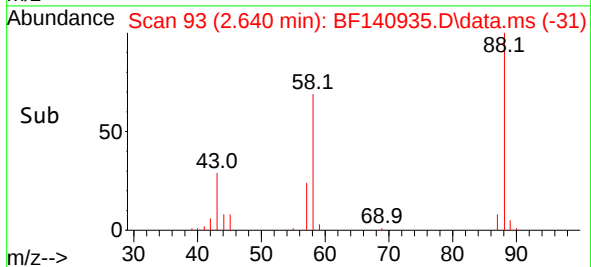
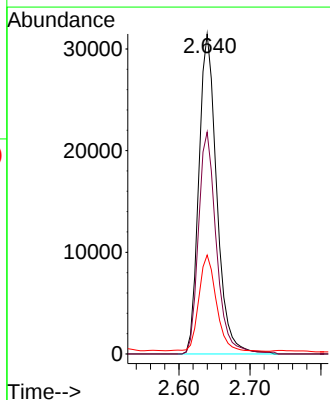
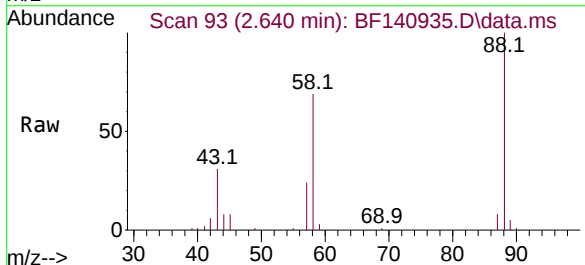
Instrument :  
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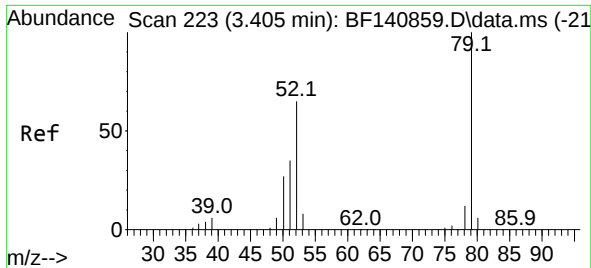
Tgt Ion:152 Resp: 59192  
 Ion Ratio Lower Upper  
 152 100  
 150 163.7 127.9 191.9  
 115 59.0 48.0 72.0



#2  
 1,4-Dioxane  
 Concen: 35.733 ng  
 RT: 2.640 min Scan# 93  
 Delta R.T. 0.017 min  
 Lab File: BF140935.D  
 Acq: 19 Dec 2024 19:08

Tgt Ion: 88 Resp: 55343  
 Ion Ratio Lower Upper  
 88 100  
 58 69.4 55.8 83.8  
 43 30.3 22.7 34.1





#3

Pyridine

Concen: 38.954 ng

RT: 3.422 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

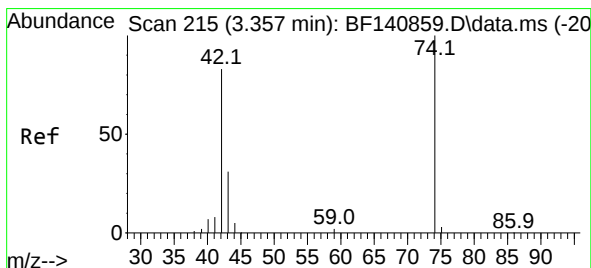
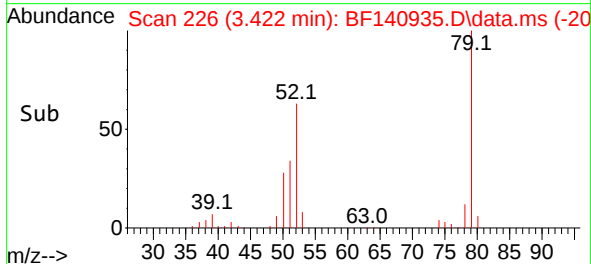
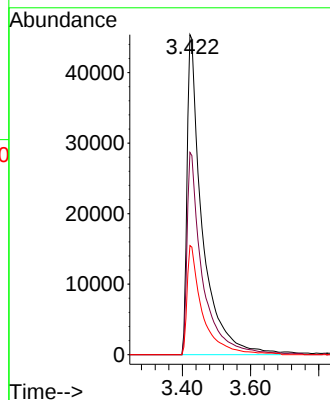
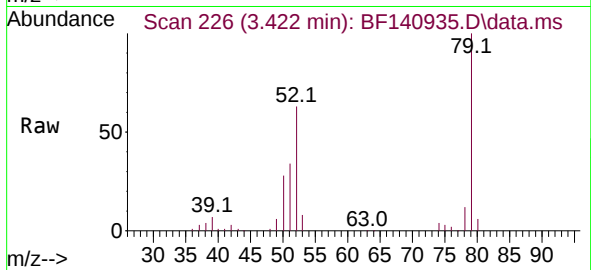
Tgt Ion: 79 Resp: 139719

Ion Ratio Lower Upper

79 100

52 63.2 51.7 77.5

51 34.1 28.2 42.4



#4

n-Nitrosodimethylamine

Concen: 42.561 ng

RT: 3.369 min Scan# 217

Delta R.T. 0.012 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

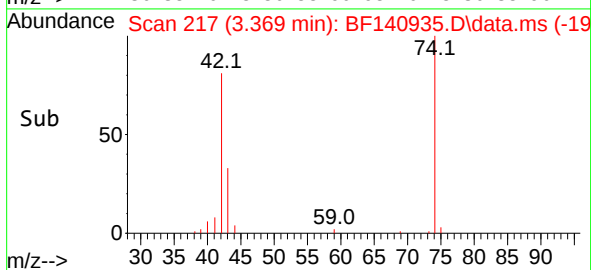
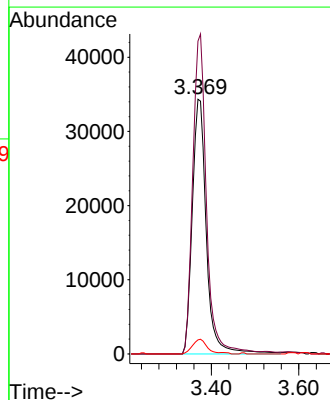
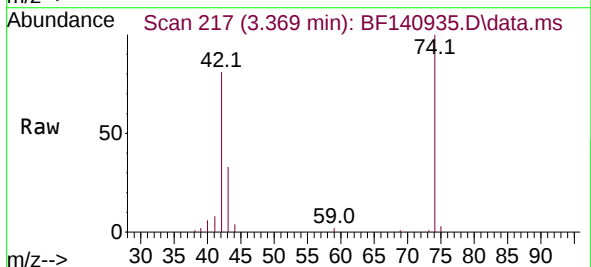
Tgt Ion: 42 Resp: 76958

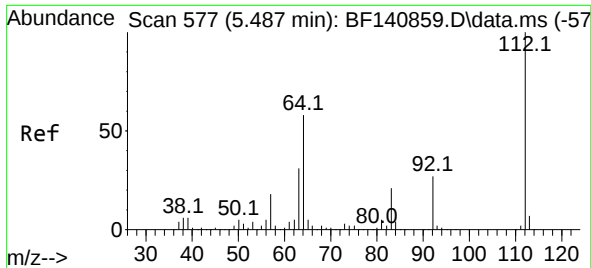
Ion Ratio Lower Upper

42 100

74 122.8 96.9 145.3

44 5.5 4.4 6.6

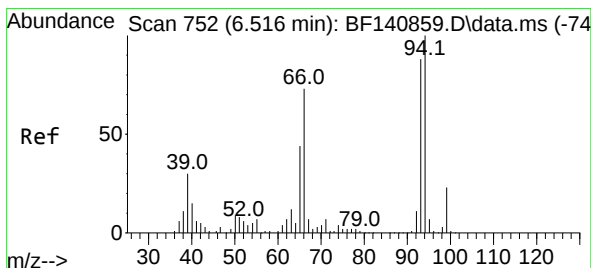
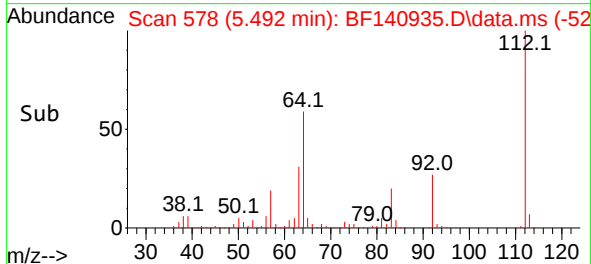
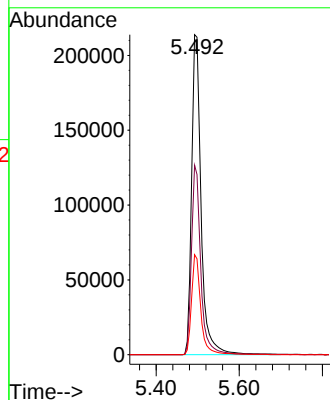
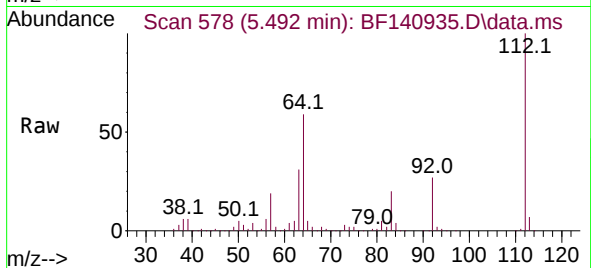




#5  
2-Fluorophenol  
Concen: 94.369 ng  
RT: 5.492 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

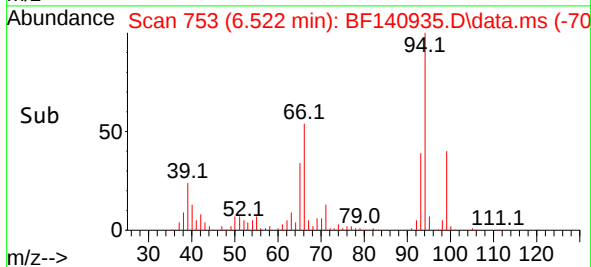
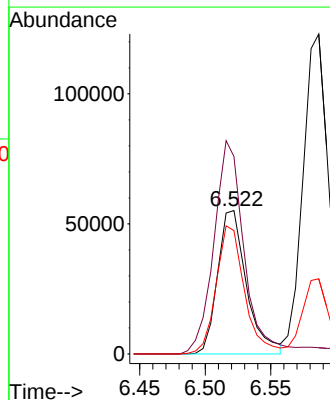
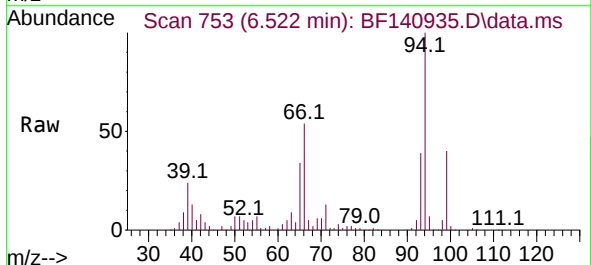
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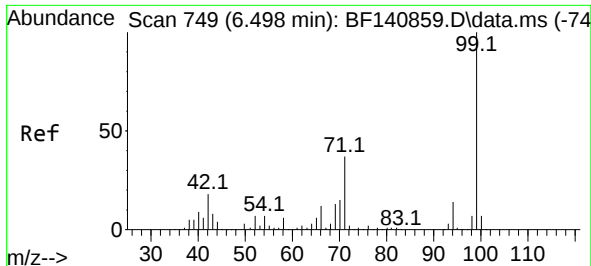
Tgt Ion:112 Resp: 339323  
Ion Ratio Lower Upper  
112 100  
64 59.2 46.1 69.1  
63 31.2 24.9 37.3



#6  
Aniline  
Concen: 20.731 ng  
RT: 6.522 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 93 Resp: 84418  
Ion Ratio Lower Upper  
93 100  
66 137.6 67.0 100.4#  
65 86.0 40.4 60.6#





#7

Phenol-d6

Concen: 89.693 ng

RT: 6.504 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

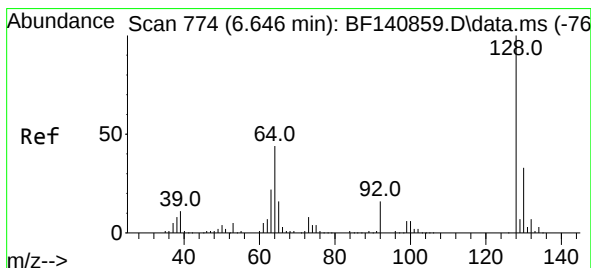
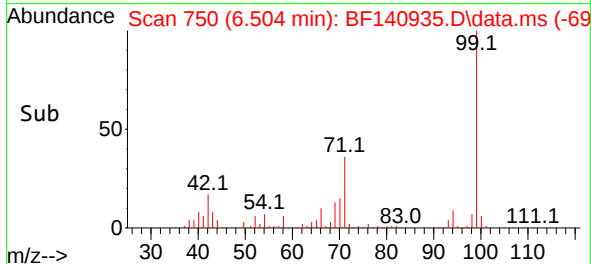
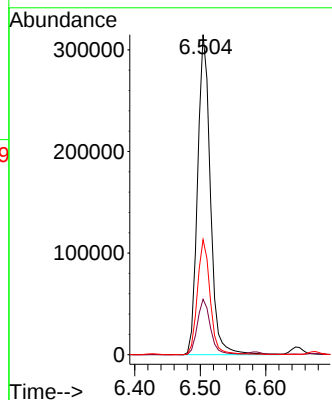
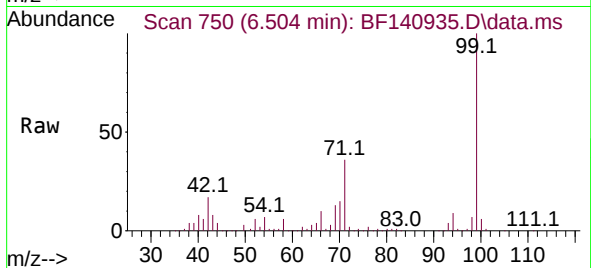
BNA\_F

ClientSampleId :

HR-04-121624MS

Tgt Ion: 99 Resp: 427168

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.3  | 14.3  | 21.5  |
| 71  | 35.9  | 29.9  | 44.9  |



#8

2-Chlorophenol

Concen: 42.286 ng

RT: 6.645 min Scan# 774

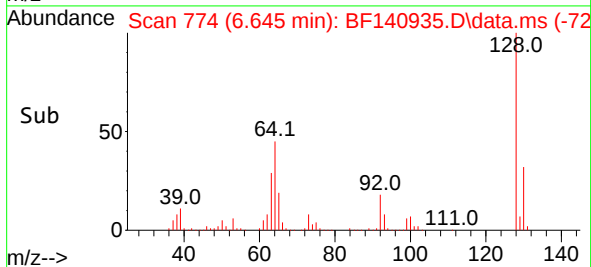
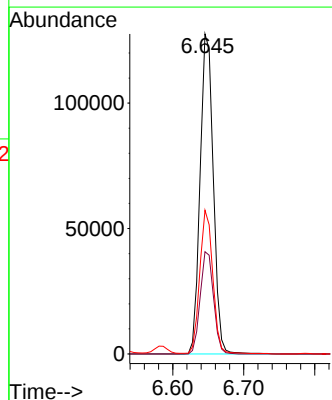
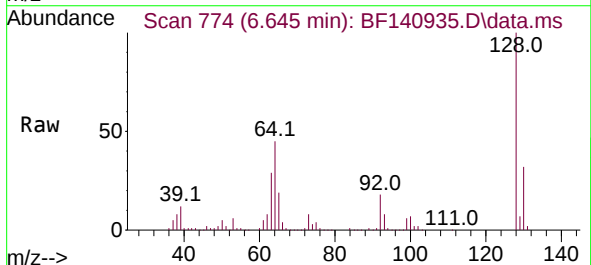
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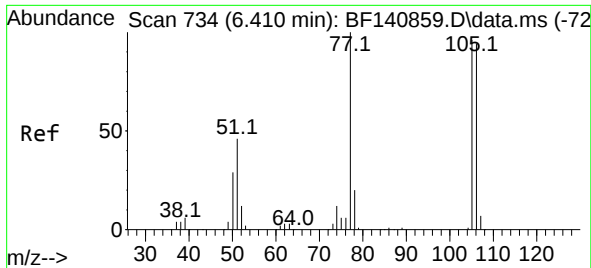
Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Tgt Ion:128 Resp: 165810

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.0  | 12.9  | 52.9  |
| 64  | 44.9  | 24.3  | 64.3  |





#9

Benzaldehyde

Concen: 13.125 ng

RT: 6.410 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

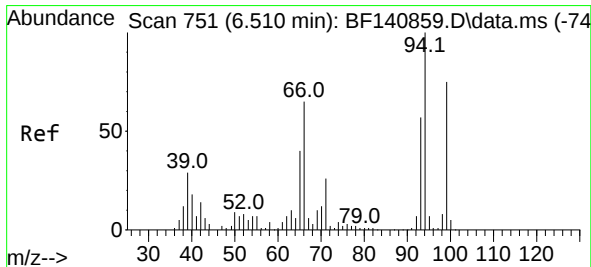
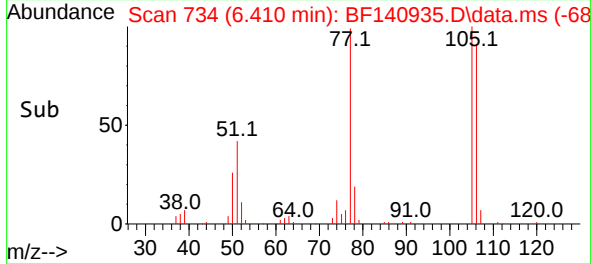
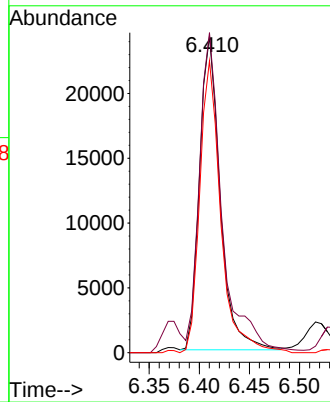
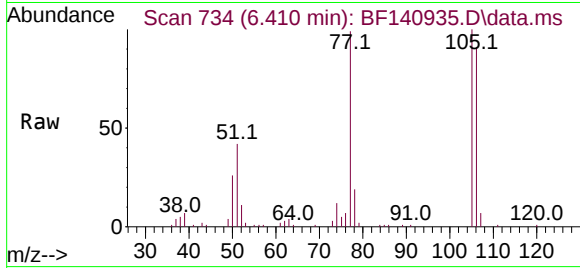
Tgt Ion: 77 Resp: 34635

Ion Ratio Lower Upper

77 100

105 101.1 75.8 115.8

106 92.2 74.1 114.1



#10

Phenol

Concen: 41.523 ng

RT: 6.522 min Scan# 753

Delta R.T. 0.012 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

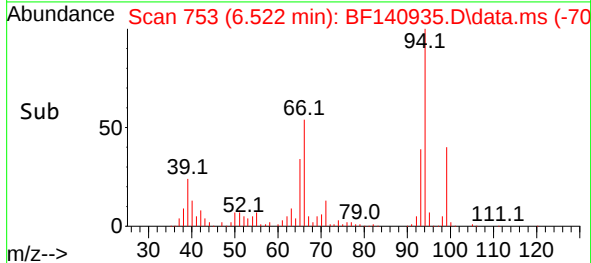
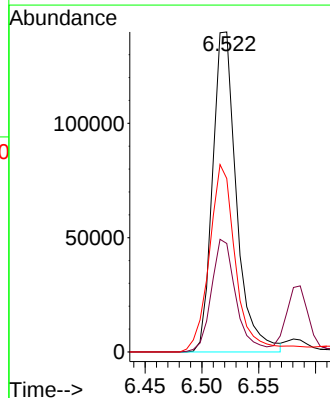
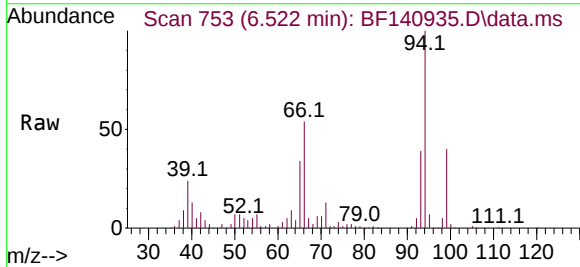
Tgt Ion: 94 Resp: 204961

Ion Ratio Lower Upper

94 100

65 33.9 19.9 59.9

66 54.2 45.6 85.6



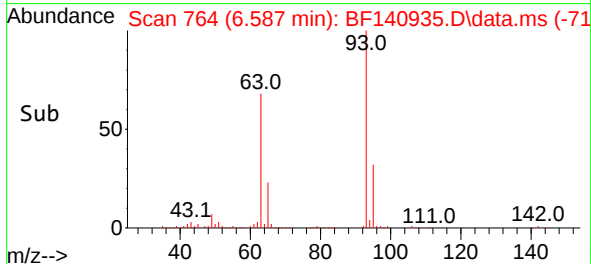
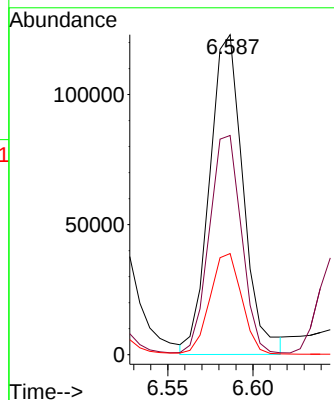
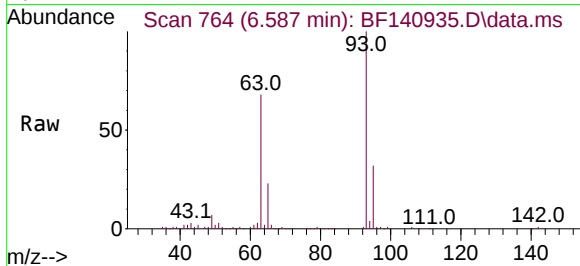


#11  
bis(2-Chloroethyl)ether  
Concen: 45.923 ng  
RT: 6.587 min Scan# 764  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

Tgt Ion: 93 Resp: 169049

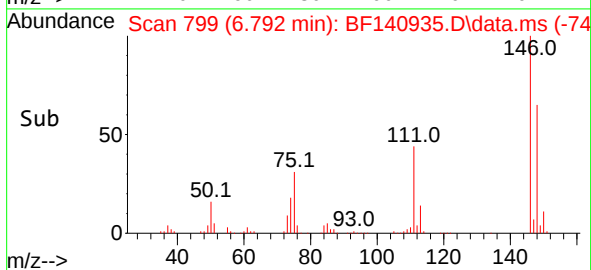
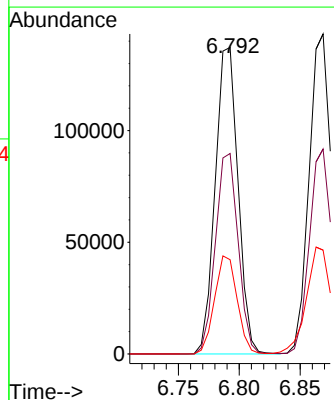
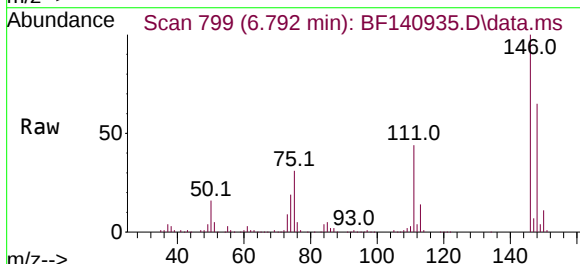
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 68.5  | 51.0  | 91.0  |
| 95  | 31.6  | 12.0  | 52.0  |



#12  
1,3-Dichlorobenzene  
Concen: 40.030 ng  
RT: 6.792 min Scan# 799  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 146 Resp: 178857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 65.4  | 51.0  | 76.6  |
| 75  | 30.7  | 28.1  | 42.1  |

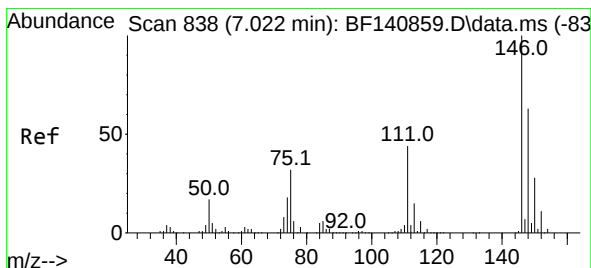
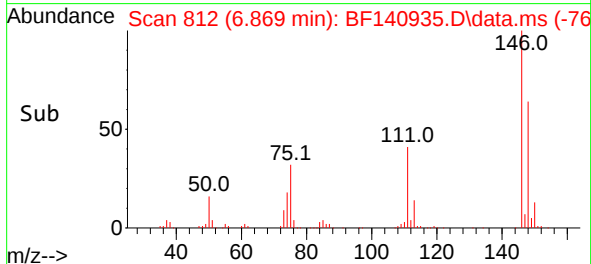
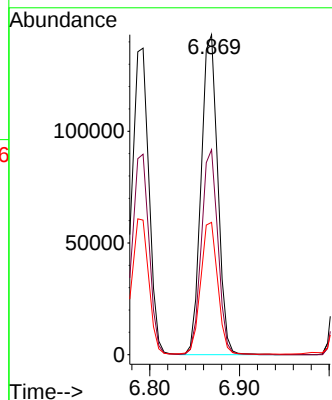
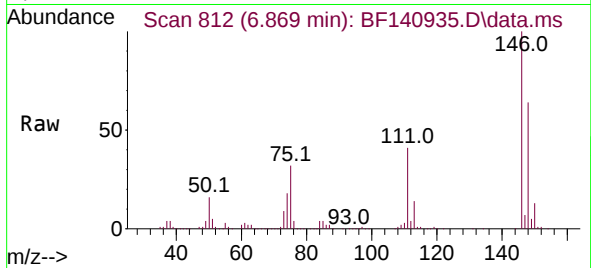




#13  
1,4-Dichlorobenzene  
Concen: 40.657 ng  
RT: 6.869 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

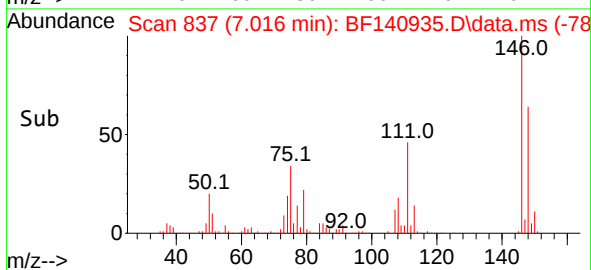
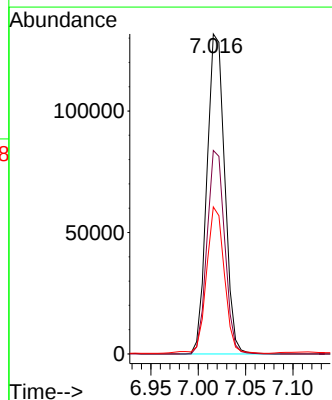
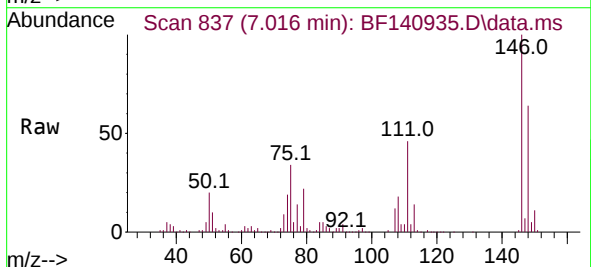
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

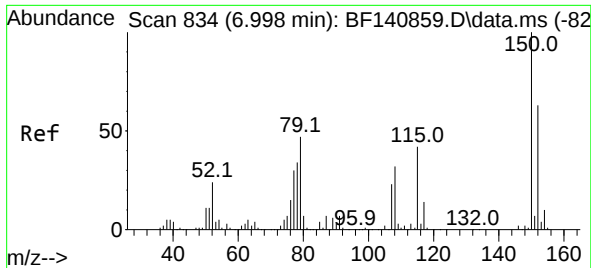
Tgt Ion:146 Resp: 184393  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.3 76.9  
111 41.3 34.4 51.6



#14  
1,2-Dichlorobenzene  
Concen: 40.201 ng  
RT: 7.016 min Scan# 837  
Delta R.T. -0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:146 Resp: 172025  
Ion Ratio Lower Upper  
146 100  
148 63.6 50.0 75.0  
111 45.9 35.6 53.4

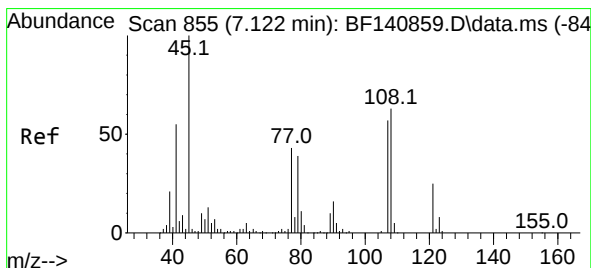
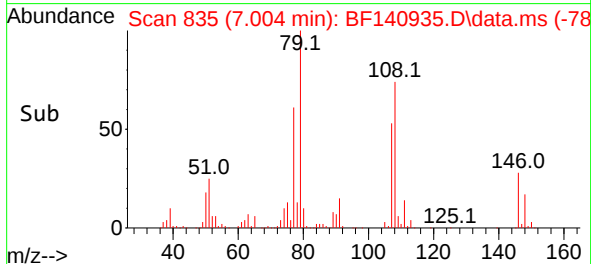
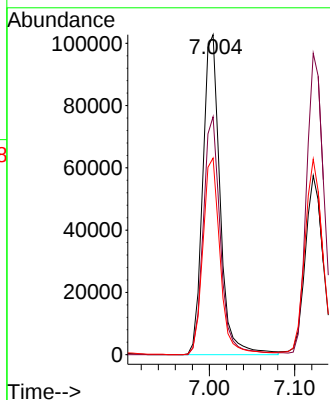
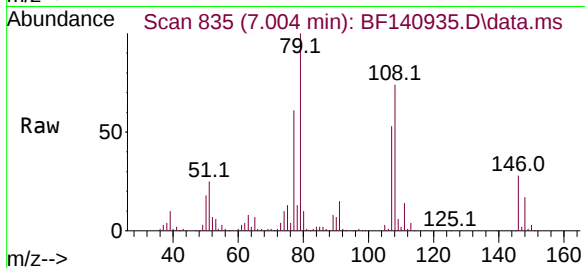




#15  
Benzyl Alcohol  
Concen: 42.571 ng  
RT: 7.004 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

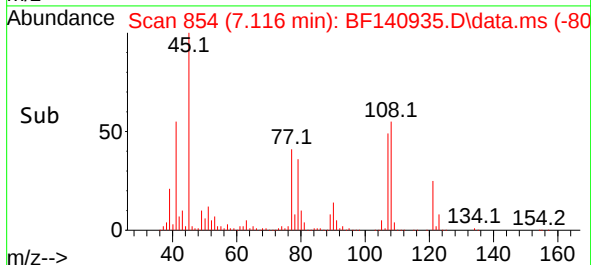
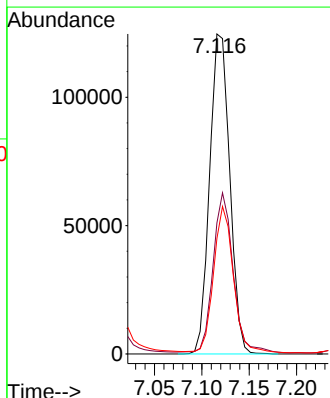
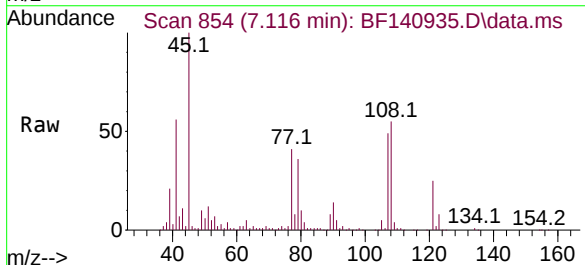
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

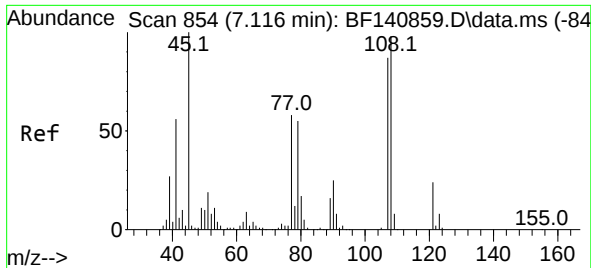
Tgt Ion: 79 Resp: 144965  
Ion Ratio Lower Upper  
79 100  
108 74.4 55.1 82.7  
77 61.4 50.6 76.0



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.400 ng  
RT: 7.116 min Scan# 854  
Delta R.T. -0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 45 Resp: 183866  
Ion Ratio Lower Upper  
45 100  
77 41.0 23.3 63.3  
79 36.1 20.0 60.0

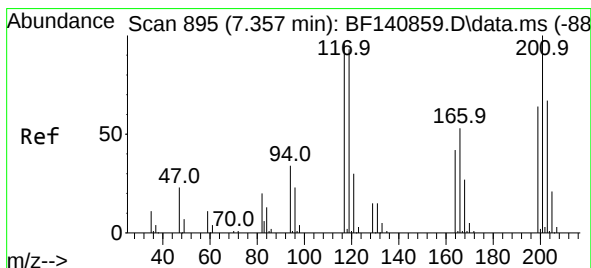
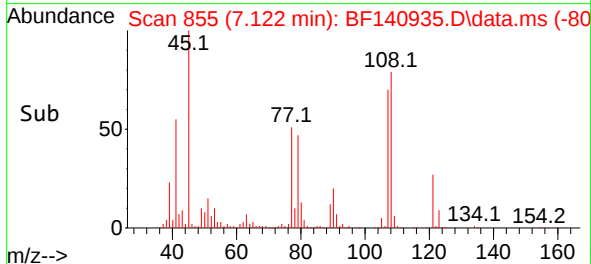
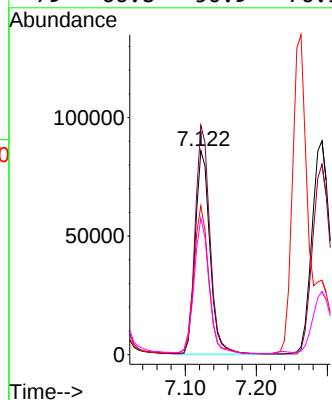
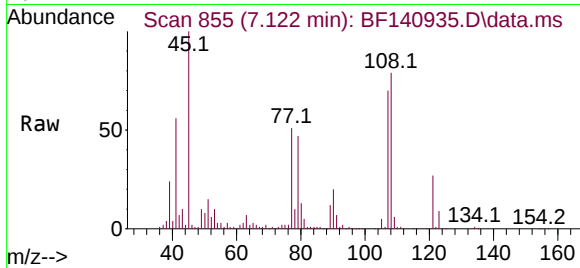




#17  
2-Methylphenol  
Concen: 39.694 ng  
RT: 7.122 min Scan# 855  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

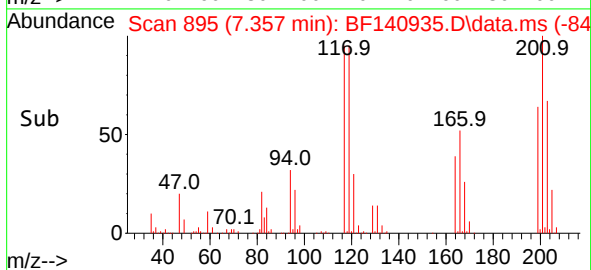
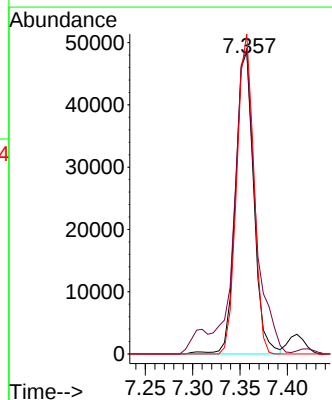
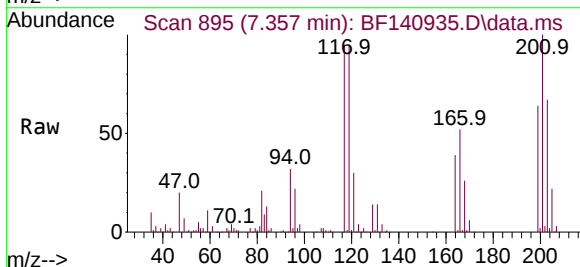
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

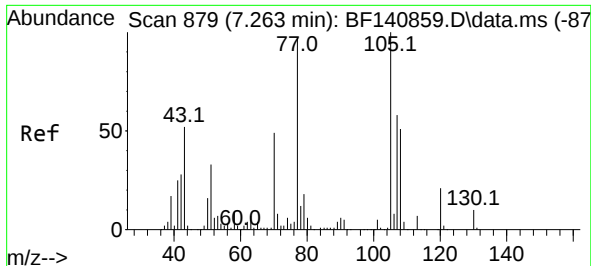
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 124264 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.5 | 90.2  | 135.4  |
| 77       | 72.9  | 53.8  | 80.6   |
| 79       | 66.8  | 50.9  | 76.3   |



#18  
Hexachloroethane  
Concen: 38.479 ng  
RT: 7.357 min Scan# 895  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 64969 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.9 | 77.4  | 116.0 |
| 201      | 105.8 | 83.4  | 125.0 |

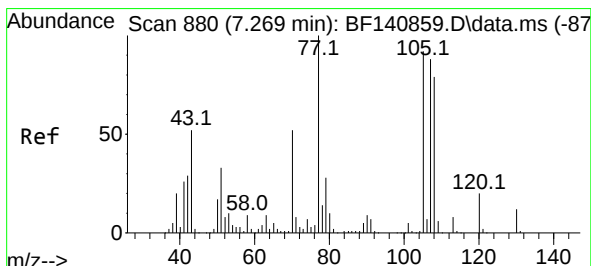
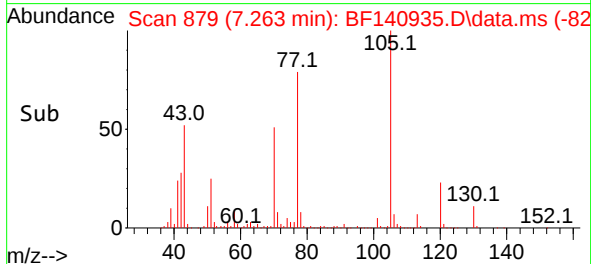
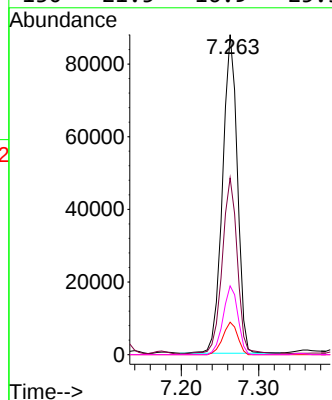
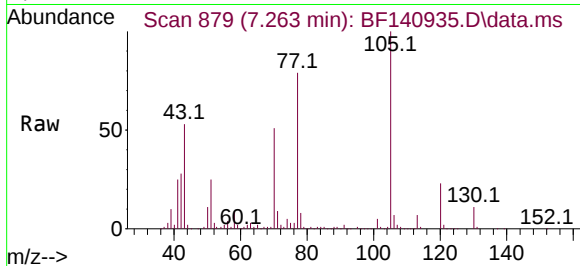




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.939 ng  
RT: 7.263 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

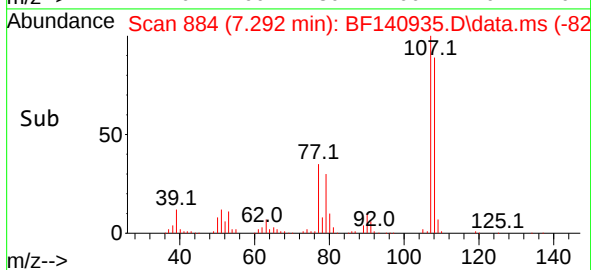
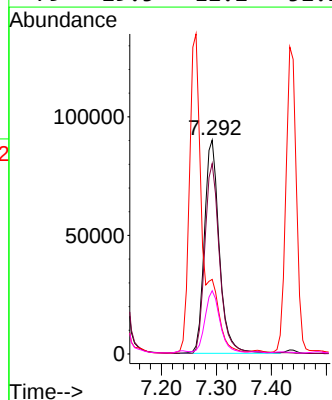
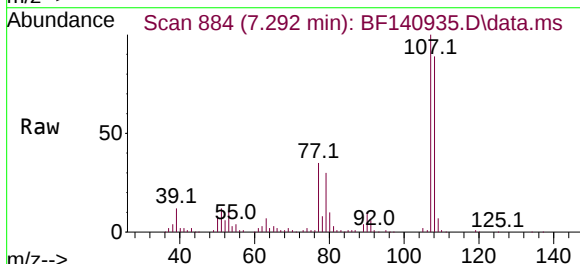
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

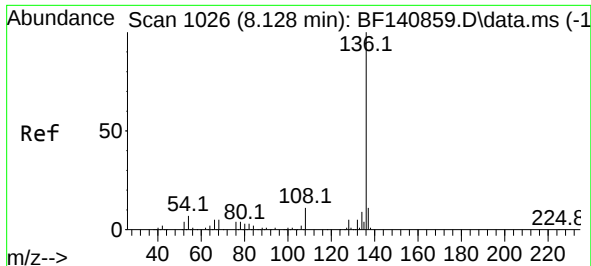
Tgt Ion: 70 Resp: 116954  
Ion Ratio Lower Upper  
70 100  
42 55.2 45.3 67.9  
101 10.1 8.0 12.0  
130 21.5 16.9 25.3



#20  
3+4-Methylphenols  
Concen: 40.714 ng  
RT: 7.292 min Scan# 884  
Delta R.T. 0.023 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:107 Resp: 169011  
Ion Ratio Lower Upper  
107 100  
108 89.0 70.1 110.1  
77 34.9 94.4 134.4#  
79 29.5 12.2 52.2

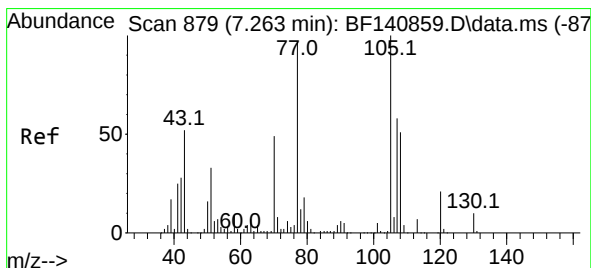
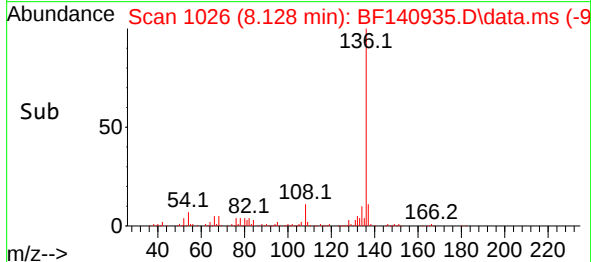
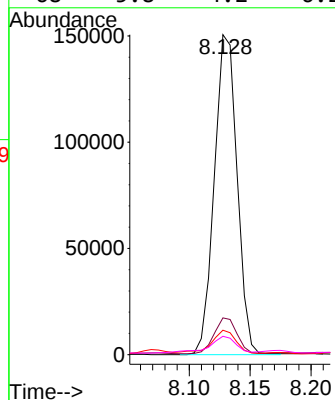
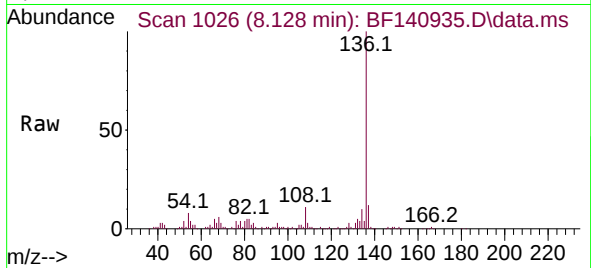




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

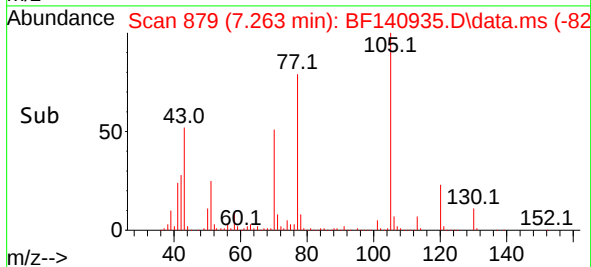
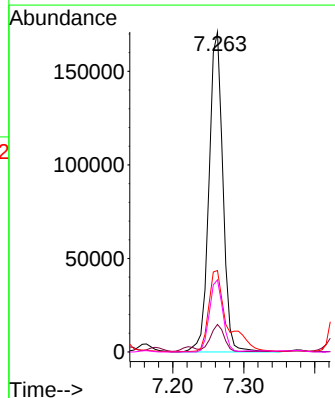
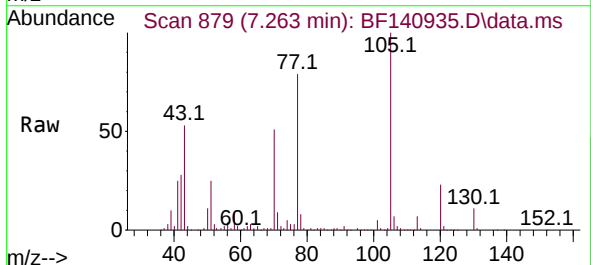
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

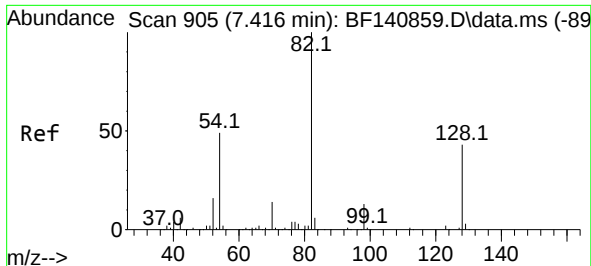
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 196105 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.5  | 9.0   | 13.4   |
| 54        | 7.6   | 5.6   | 8.4    |
| 68        | 5.8   | 4.2   | 6.2    |



#22  
Acetophenone  
Concen: 47.568 ng  
RT: 7.263 min Scan# 879  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 233352 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 8.6   | 6.2   | 9.4    |
| 51        | 25.5  | 26.3  | 39.5   |
| 120       | 22.6  | 17.1  | 25.7   |





#23

Nitrobenzene-d5

Concen: 67.085 ng

RT: 7.416 min Scan# 905

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

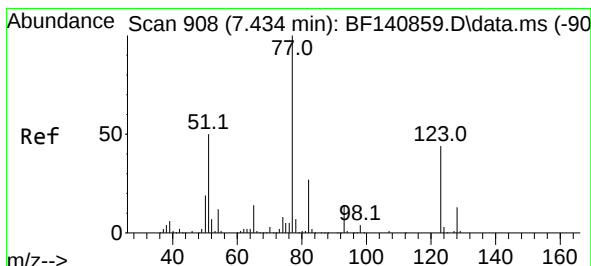
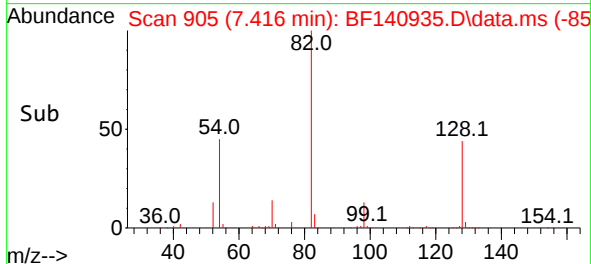
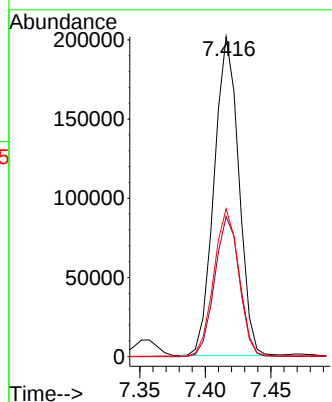
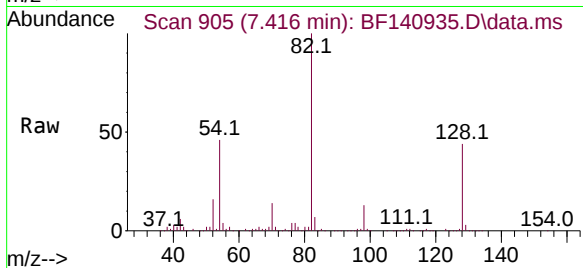
BNA\_F

ClientSampleId :

HR-04-121624MS

Tgt Ion: 82 Resp: 262949

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.8  | 34.4  | 51.6  |
| 54  | 46.2  | 38.8  | 58.2  |



#24

Nitrobenzene

Concen: 42.176 ng

RT: 7.434 min Scan# 908

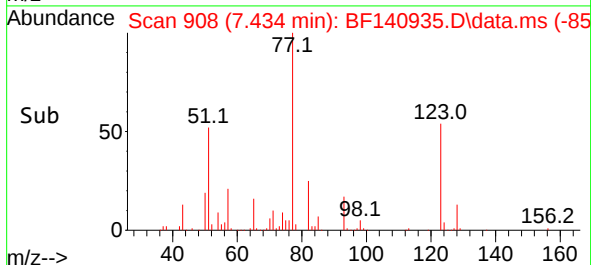
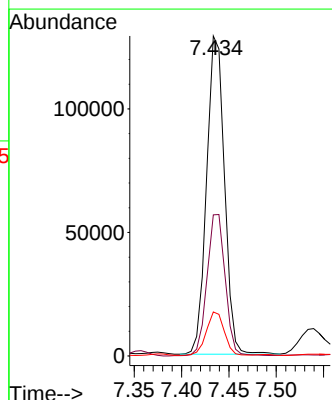
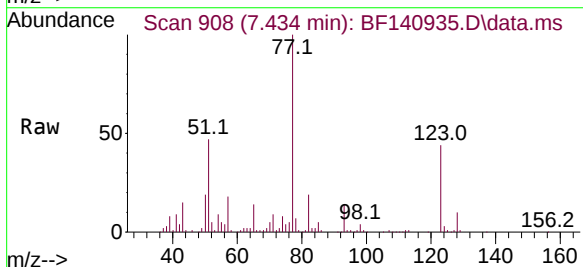
Delta R.T. -0.000 min

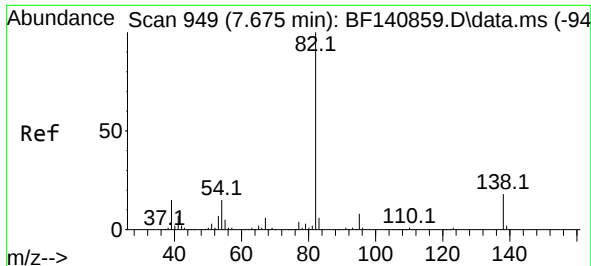
Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Tgt Ion: 77 Resp: 169362

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 44.1  | 35.0  | 52.4  |
| 65  | 13.8  | 11.4  | 17.0  |

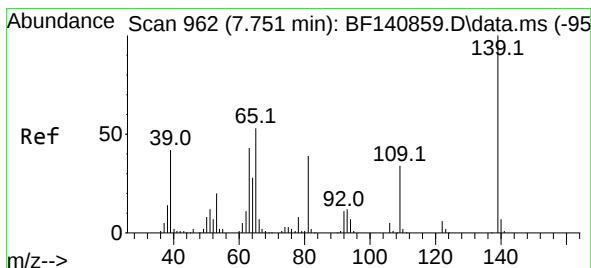
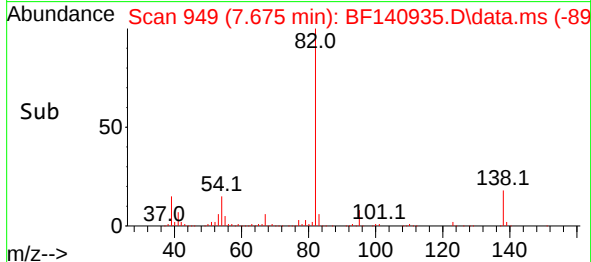
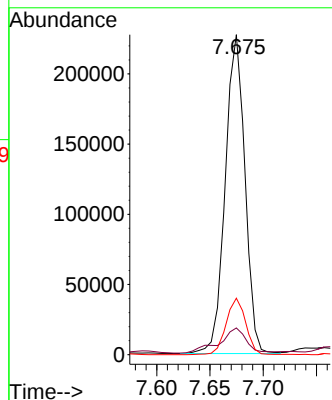
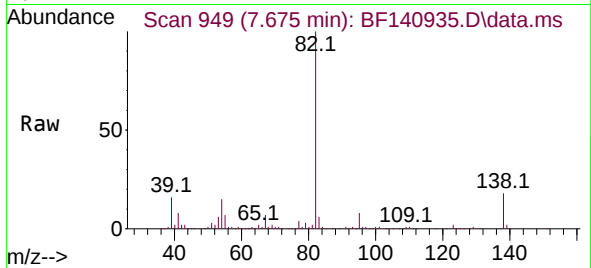




#25  
Isophorone  
Concen: 44.470 ng  
RT: 7.675 min Scan# 949  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

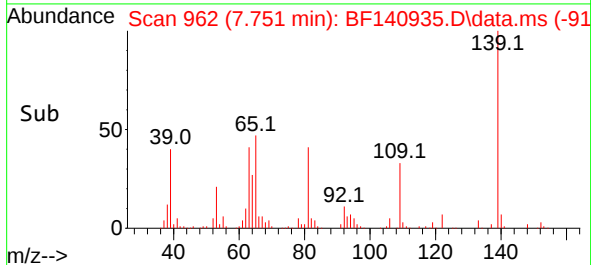
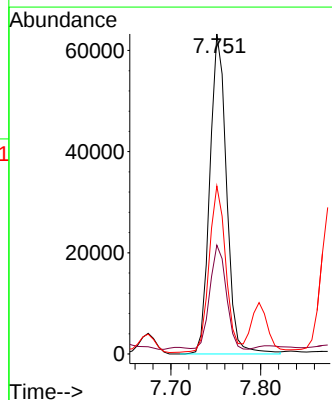
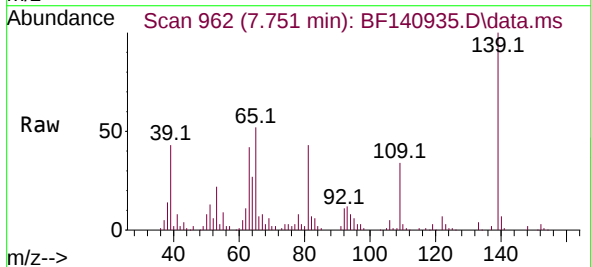
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

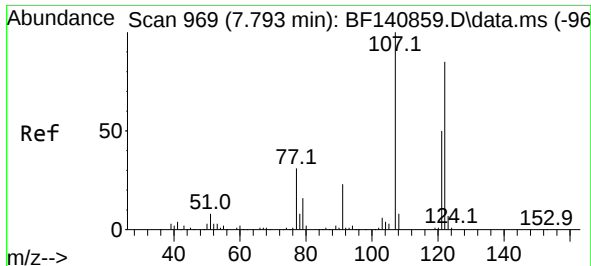
Tgt Ion: 82 Resp: 292061  
Ion Ratio Lower Upper  
82 100  
95 8.4 6.3 9.5  
138 17.7 14.1 21.1



#26  
2-Nitrophenol  
Concen: 44.400 ng  
RT: 7.751 min Scan# 962  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:139 Resp: 82115  
Ion Ratio Lower Upper  
139 100  
109 34.0 26.9 40.3  
65 52.5 42.6 64.0

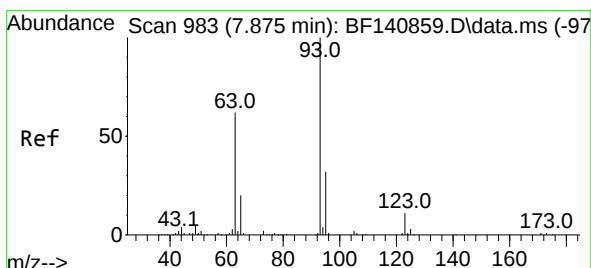
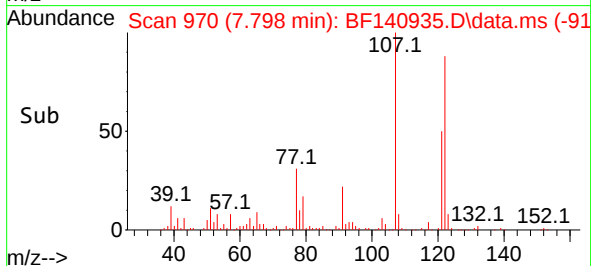
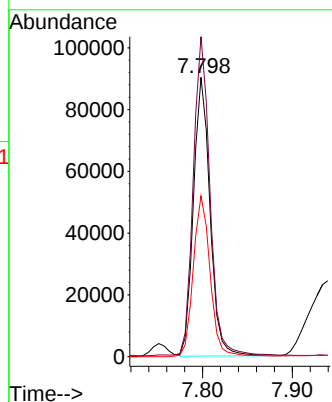
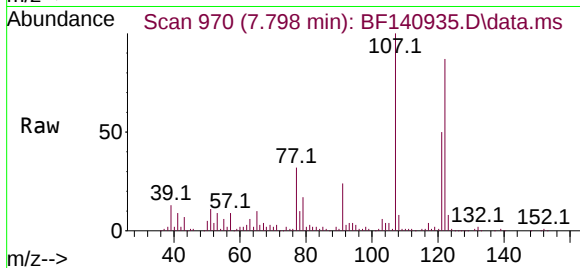




#27  
2,4-Dimethylphenol  
Concen: 53.608 ng  
RT: 7.798 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

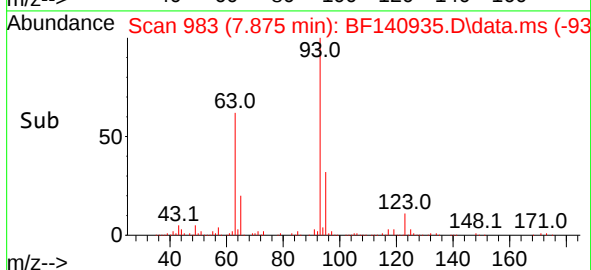
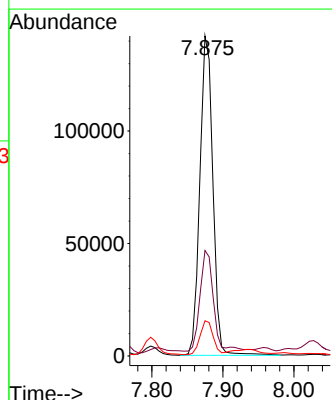
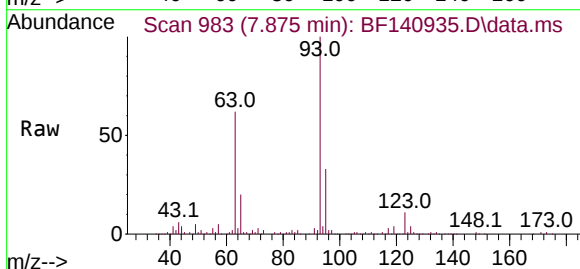
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

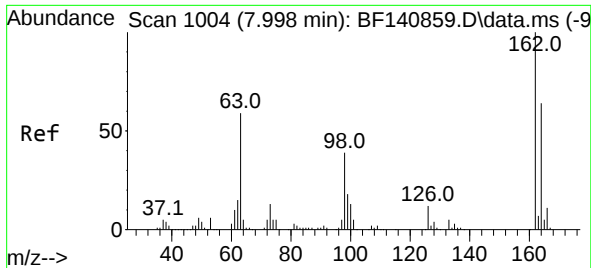
Tgt Ion:122 Resp: 115786  
Ion Ratio Lower Upper  
122 100  
107 114.6 92.6 139.0  
121 57.6 45.8 68.8



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.209 ng  
RT: 7.875 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 93 Resp: 181344  
Ion Ratio Lower Upper  
93 100  
95 32.9 25.3 37.9  
123 11.0 8.6 13.0





#29

2,4-Dichlorophenol

Concen: 42.158 ng

RT: 8.022 min Scan# 1008

Delta R.T. 0.023 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

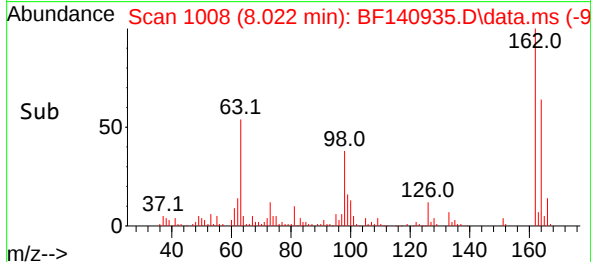
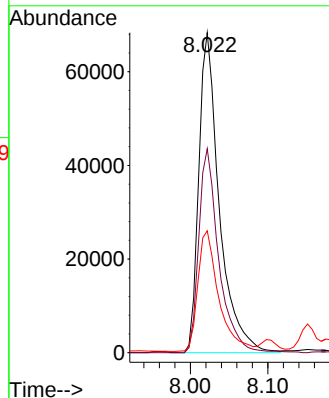
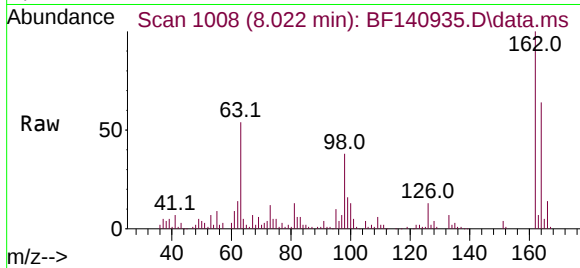
Tgt Ion:162 Resp: 125712

Ion Ratio Lower Upper

162 100

164 63.7 43.7 83.7

98 38.1 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 40.151 ng

RT: 8.075 min Scan# 1017

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

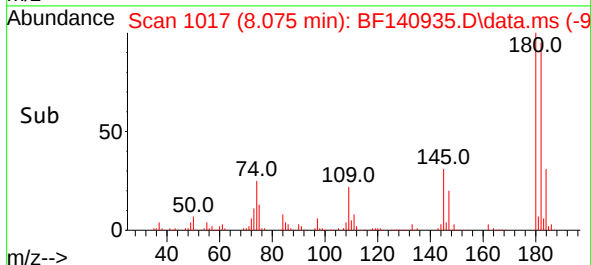
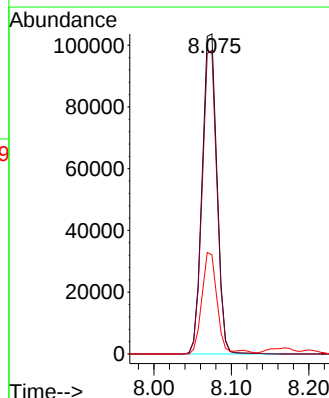
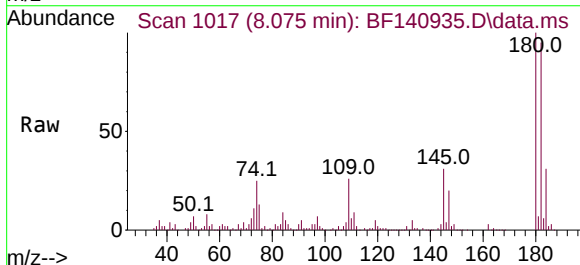
Tgt Ion:180 Resp: 137247

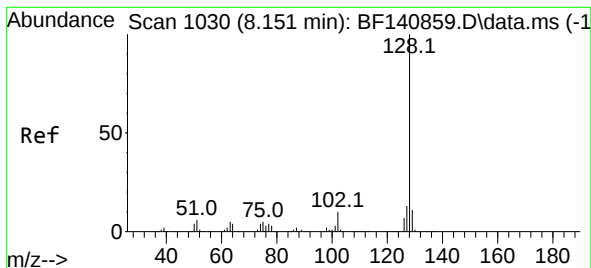
Ion Ratio Lower Upper

180 100

182 94.9 75.8 113.6

145 31.1 25.2 37.8





#31

Naphthalene

Concen: 41.804 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

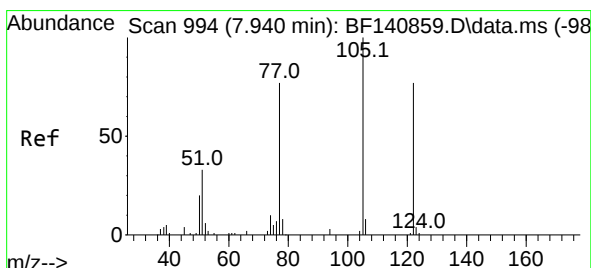
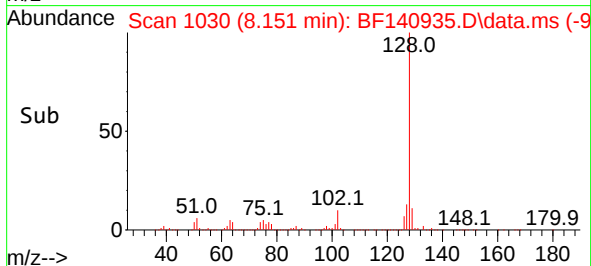
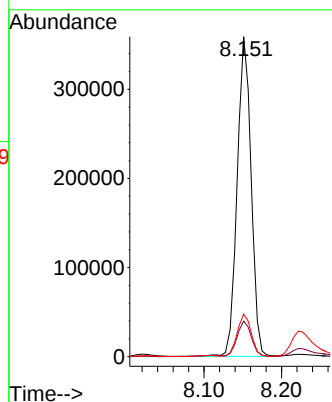
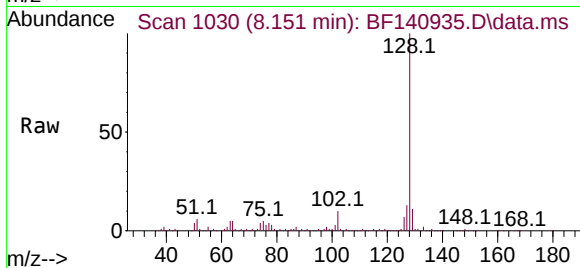
Tgt Ion:128 Resp: 450323

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.3 10.6 16.0



#32

Benzoic acid

Concen: 31.234 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.001 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

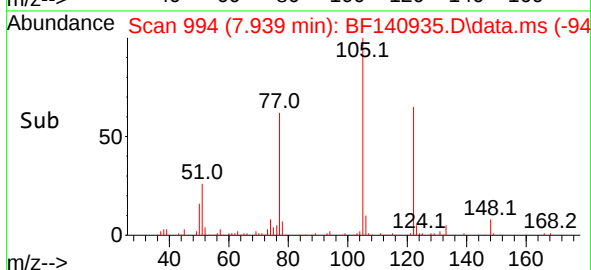
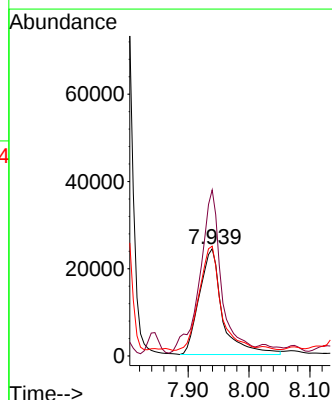
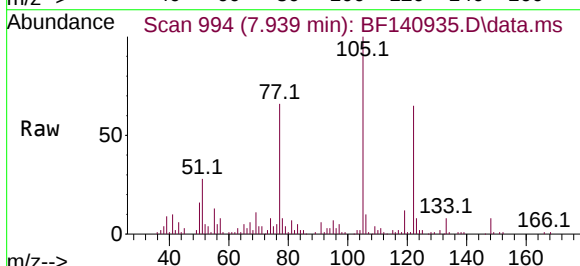
Tgt Ion:122 Resp: 63980

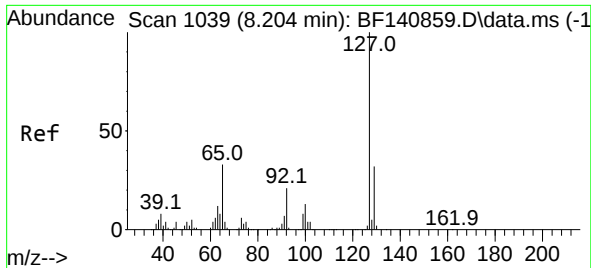
Ion Ratio Lower Upper

122 100

105 154.8 108.3 148.3#

77 102.3 78.8 118.8

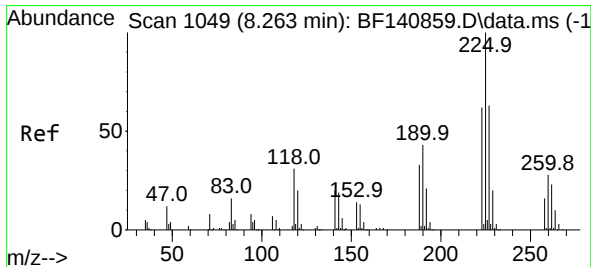
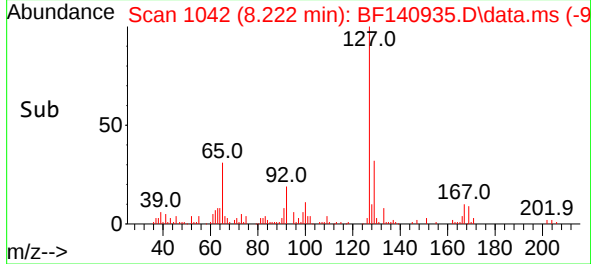
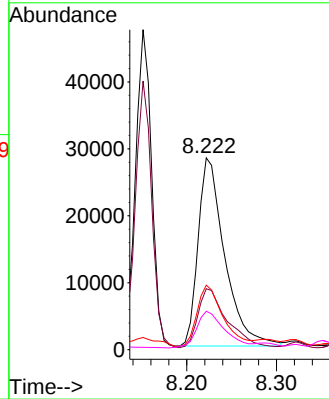
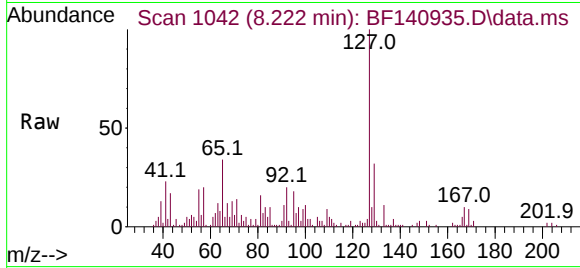




#33  
4-Chloroaniline  
Concen: 16.210 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. 0.017 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

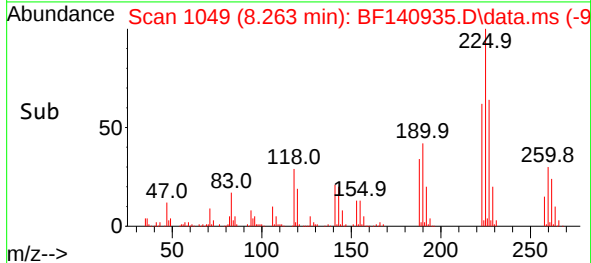
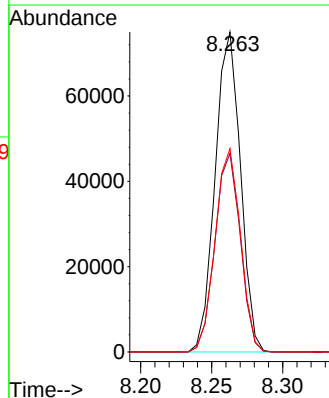
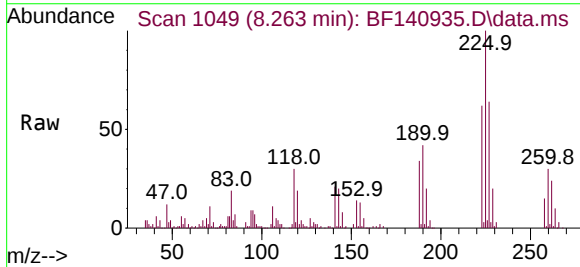
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

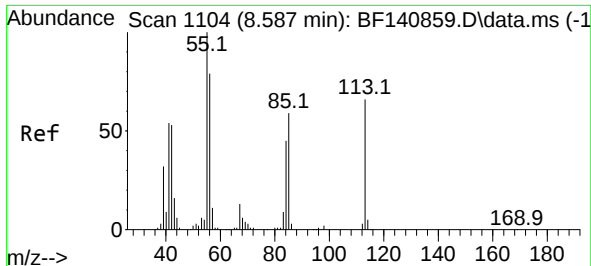
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 57995 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 31.7  | 26.0  | 39.0  |
| 65        | 33.6  | 26.0  | 39.0  |
| 92        | 20.0  | 16.7  | 25.1  |



#34  
Hexachlorobutadiene  
Concen: 40.416 ng  
RT: 8.263 min Scan# 1049  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 92950 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.1  | 49.6  | 74.4  |
| 227       | 63.5  | 50.7  | 76.1  |

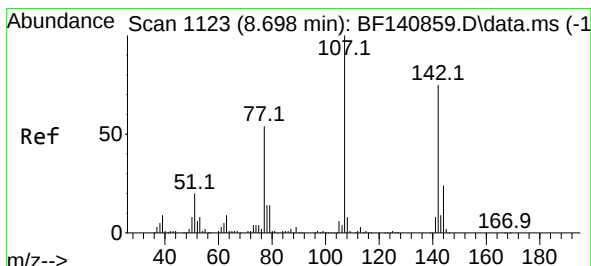
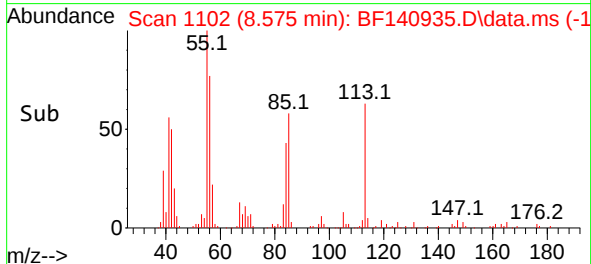
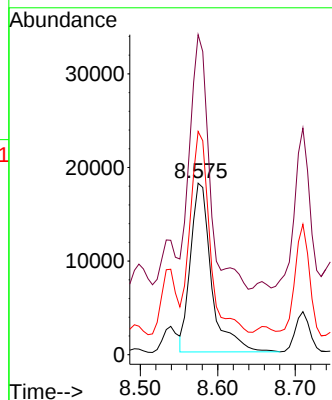
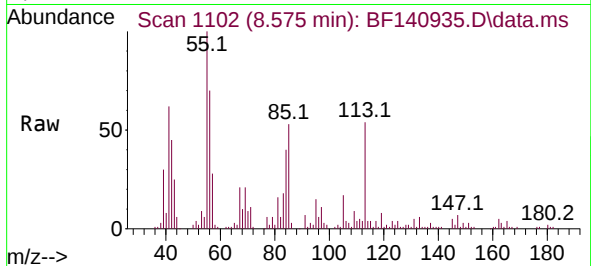




#35  
Caprolactam  
Concen: 38.370 ng  
RT: 8.575 min Scan# 1104  
Delta R.T. -0.012 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

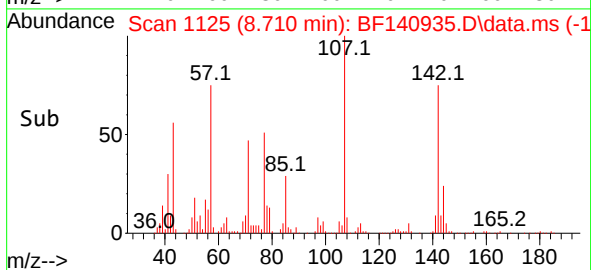
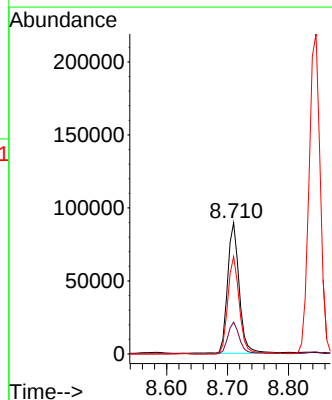
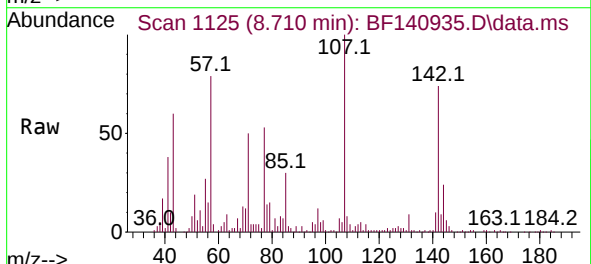
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

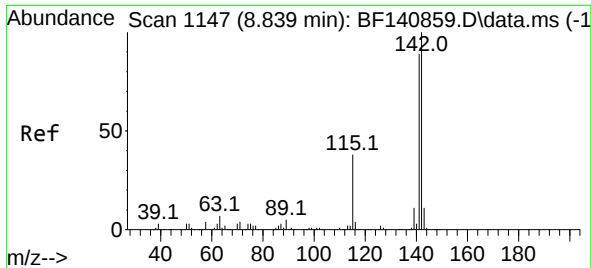
Tgt Ion:113 Resp: 34062  
Ion Ratio Lower Upper  
113 100  
55 186.6 132.3 172.3#  
56 130.2 100.3 140.3



#36  
4-Chloro-3-methylphenol  
Concen: 35.451 ng  
RT: 8.710 min Scan# 1125  
Delta R.T. 0.012 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:107 Resp: 118981  
Ion Ratio Lower Upper  
107 100  
144 24.2 19.4 29.2  
142 74.2 60.3 90.5





#37

2-Methylnaphthalene

Concen: 38.953 ng

RT: 8.845 min Scan# 1147

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

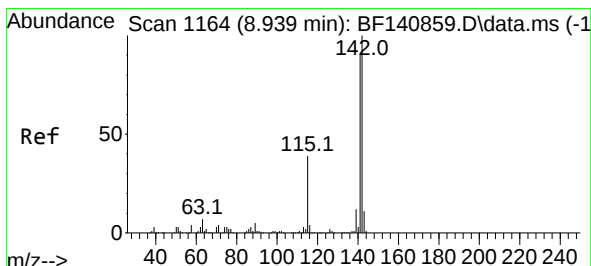
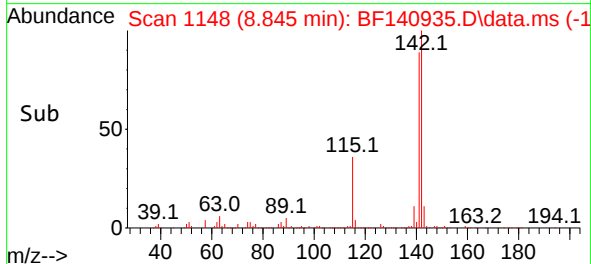
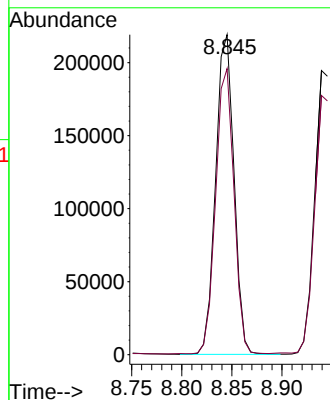
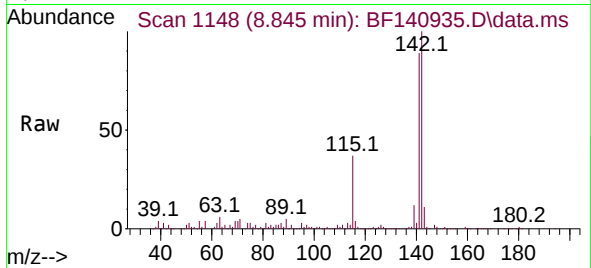
HR-04-121624MS

Tgt Ion:142 Resp: 277571

Ion Ratio Lower Upper

142 100

141 89.4 71.0 106.6



#38

1-Methylnaphthalene

Concen: 35.717 ng

RT: 8.939 min Scan# 1164

Delta R.T. -0.000 min

Lab File: BF140935.D

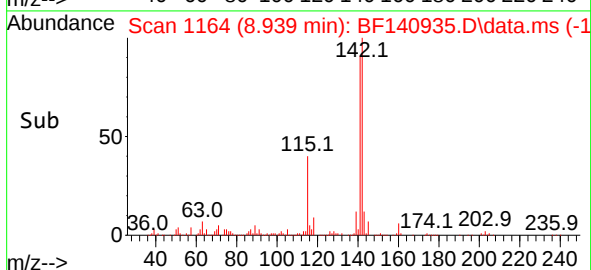
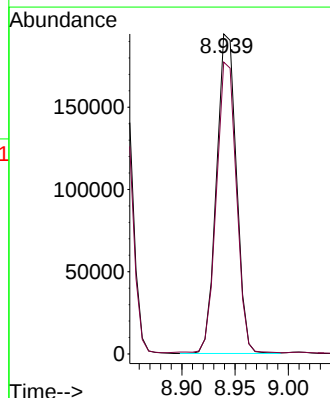
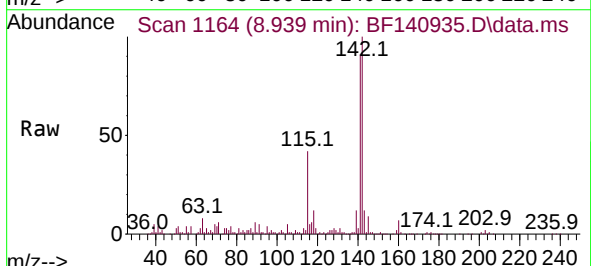
Acq: 19 Dec 2024 19:08

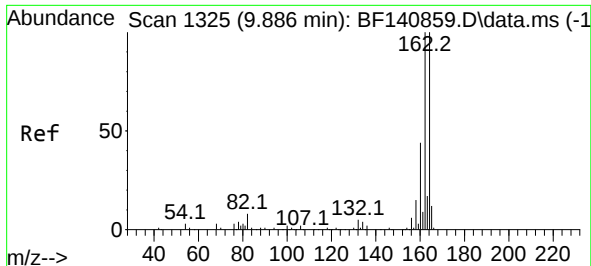
Tgt Ion:142 Resp: 251711

Ion Ratio Lower Upper

142 100

141 91.2 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

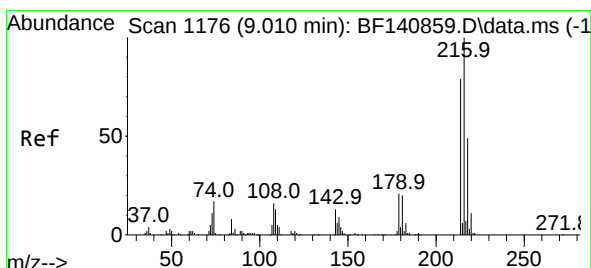
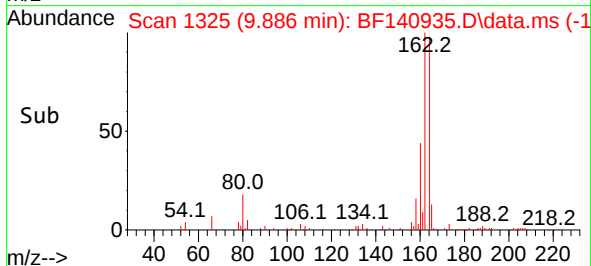
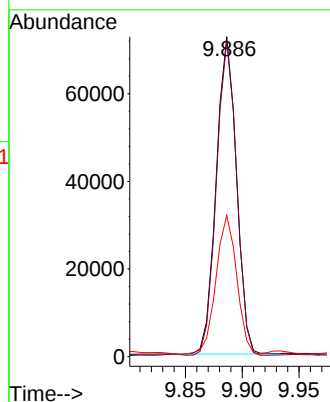
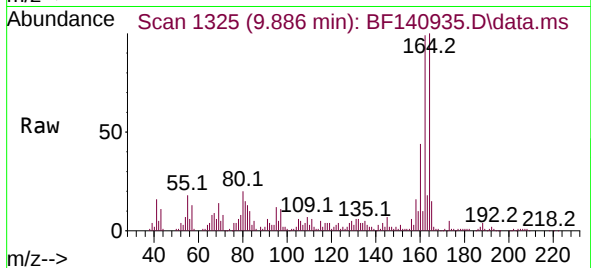
Tgt Ion:164 Resp: 89823

Ion Ratio Lower Upper

164 100

162 98.6 79.9 119.9

160 44.2 35.2 52.8



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.155 ng

RT: 9.010 min Scan# 1176

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Tgt Ion:216 Resp: 127426

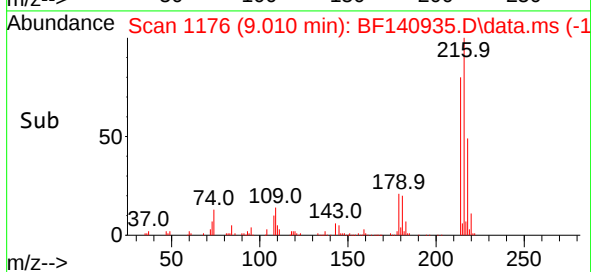
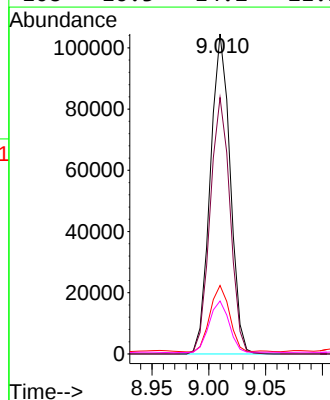
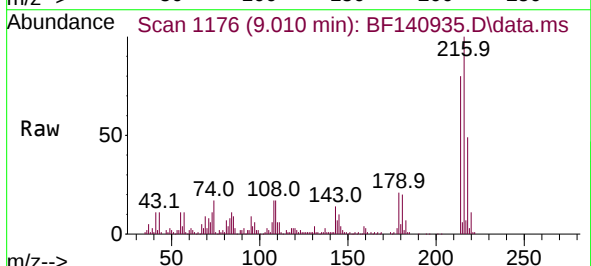
Ion Ratio Lower Upper

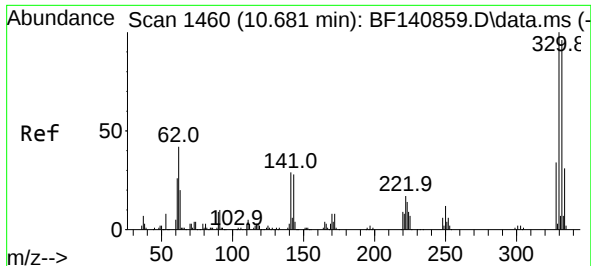
216 100

214 80.1 63.6 95.4

179 20.5 17.0 25.4

108 16.3 14.2 21.2





#42

2,4,6-Tribromophenol

Concen: 91.930 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

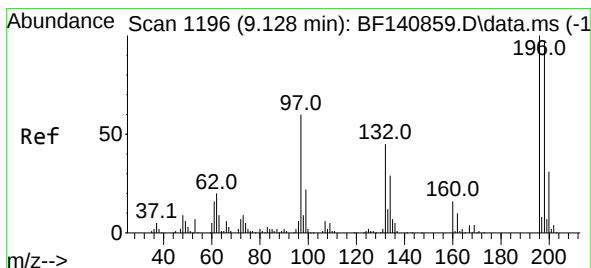
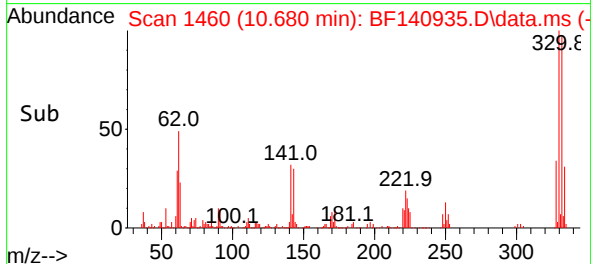
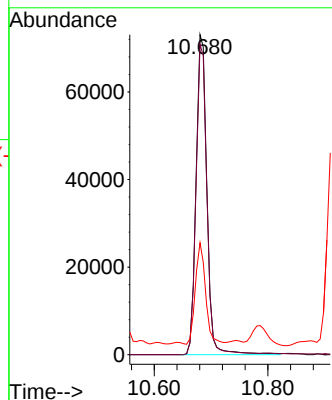
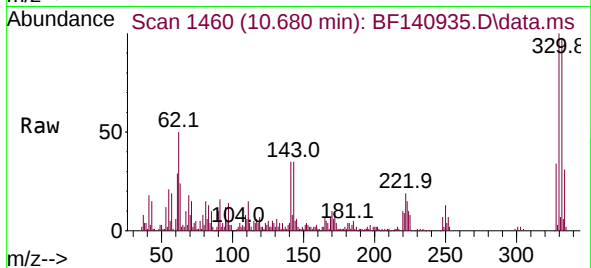
Tgt Ion:330 Resp: 97662

Ion Ratio Lower Upper

330 100

332 96.5 76.2 114.4

141 30.0 24.9 37.3



#43

2,4,6-Trichlorophenol

Concen: 45.854 ng

RT: 9.133 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

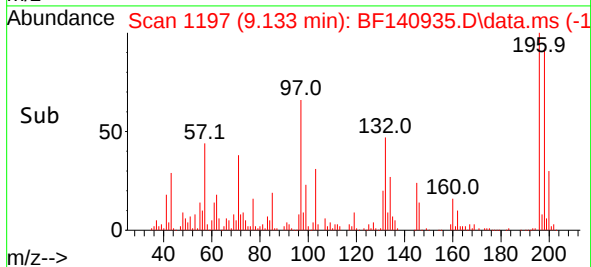
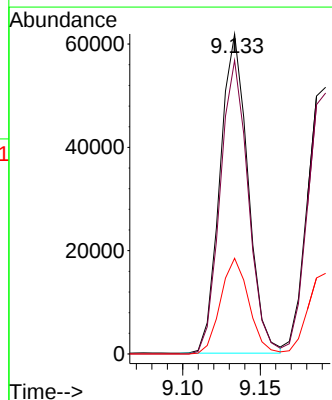
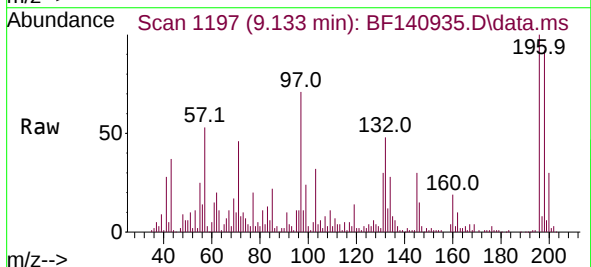
Tgt Ion:196 Resp: 77518

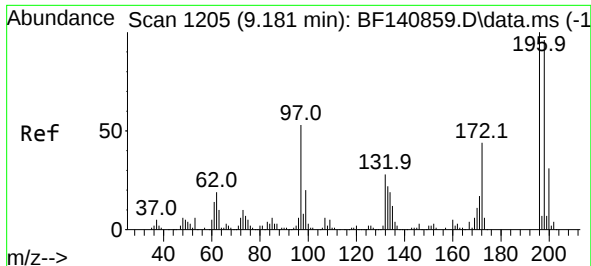
Ion Ratio Lower Upper

196 100

198 91.8 77.4 116.0

200 29.9 24.5 36.7

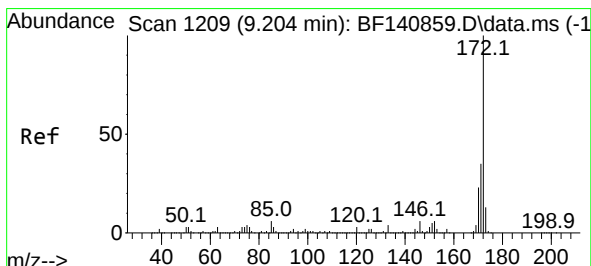
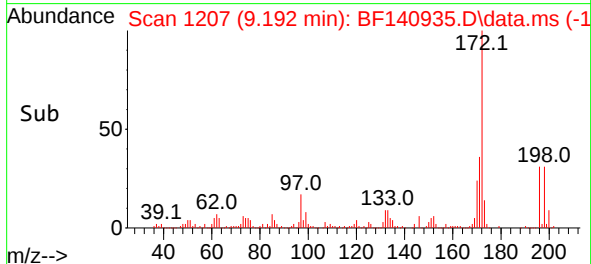
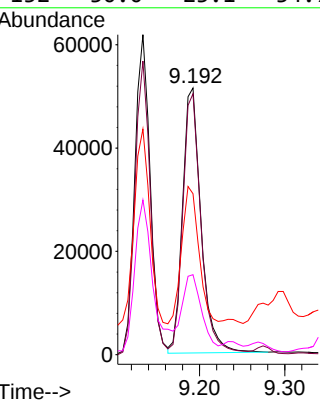
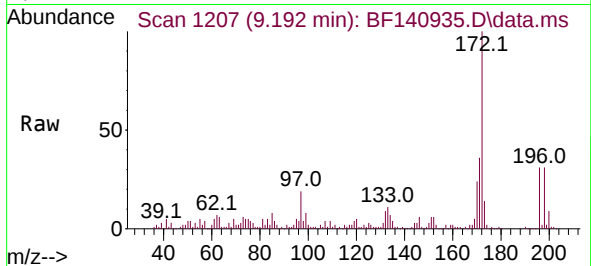




#44  
2,4,5-Trichlorophenol  
Concen: 41.571 ng  
RT: 9.192 min Scan# 11  
Delta R.T. 0.012 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

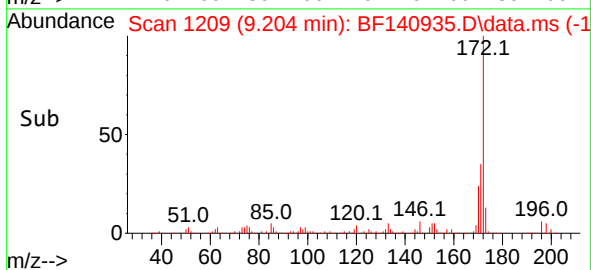
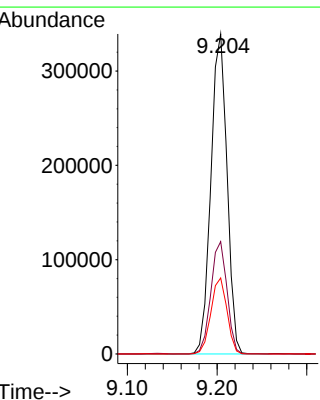
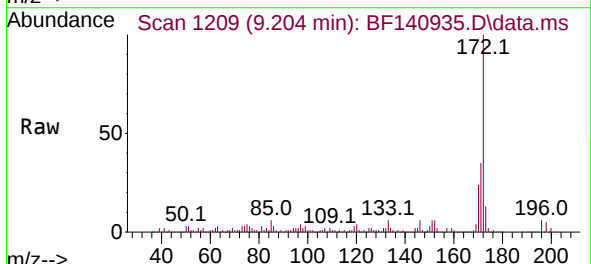
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

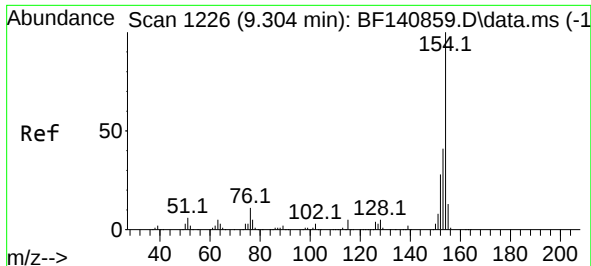
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:196 | Resp: | 77243      |
| Ion Ratio   | Lower | Upper      |
| 196         | 100   |            |
| 198         | 97.9  | 77.2 115.8 |
| 97          | 60.3  | 42.2 63.4  |
| 132         | 30.0  | 23.1 34.7  |



#45  
2-Fluorobiphenyl  
Concen: 64.752 ng  
RT: 9.204 min Scan# 1209  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:172 | Resp: | 423047    |
| Ion Ratio   | Lower | Upper     |
| 172         | 100   |           |
| 171         | 35.1  | 28.4 42.6 |
| 170         | 23.8  | 18.6 28.0 |

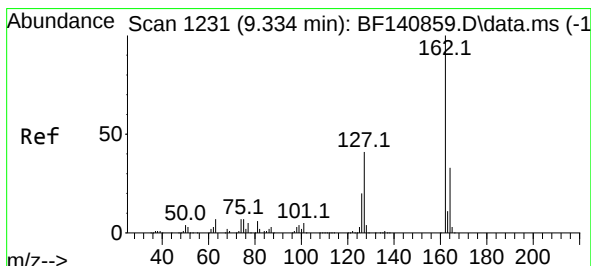
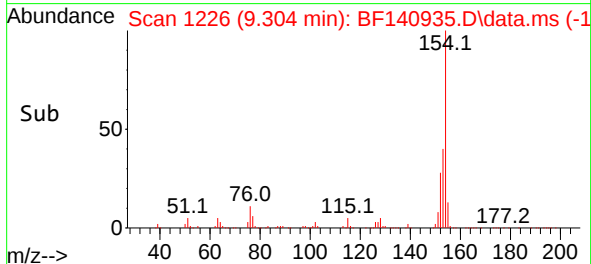
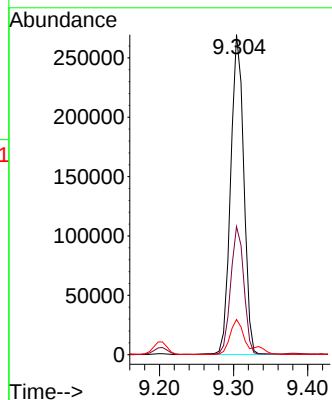
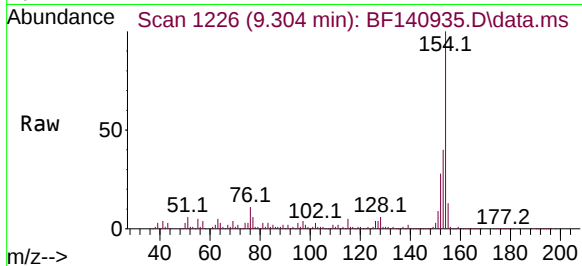




#46  
1,1'-Biphenyl  
Concen: 46.309 ng  
RT: 9.304 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

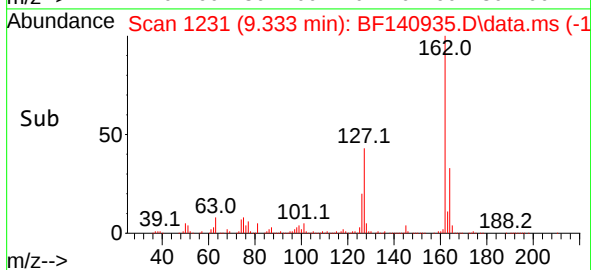
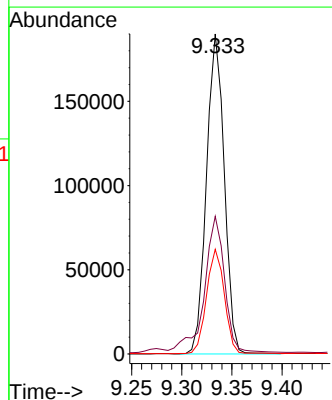
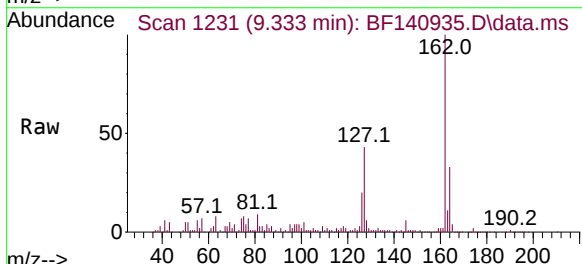
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

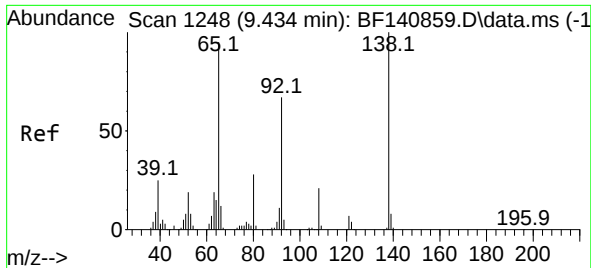
Tgt Ion:154 Resp: 330768  
Ion Ratio Lower Upper  
154 100  
153 40.1 20.8 60.8  
76 11.0 0.0 31.0



#47  
2-Chloronaphthalene  
Concen: 43.023 ng  
RT: 9.333 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:162 Resp: 235087  
Ion Ratio Lower Upper  
162 100  
127 43.0 33.5 50.3  
164 32.7 26.2 39.2

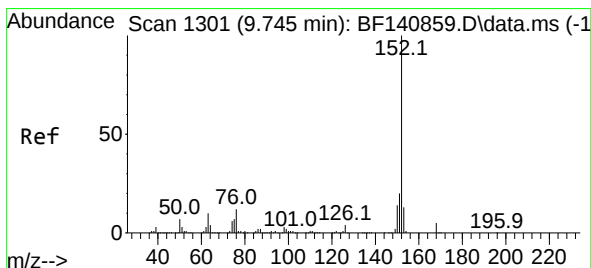
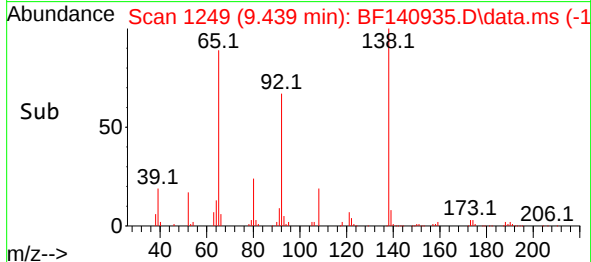
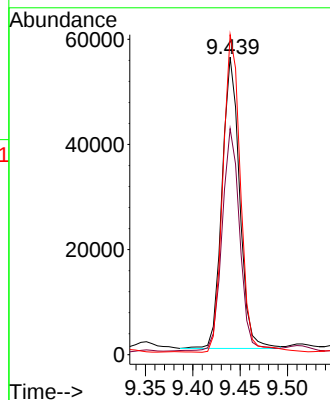
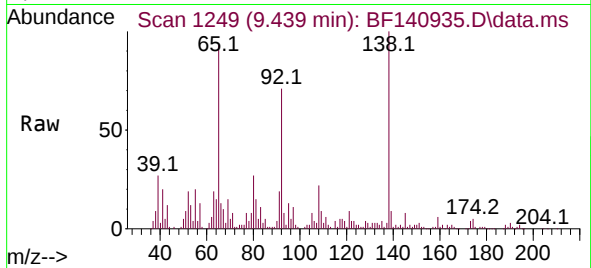




#48  
2-Nitroaniline  
Concen: 43.340 ng  
RT: 9.439 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

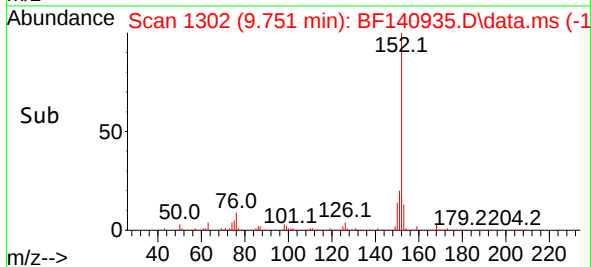
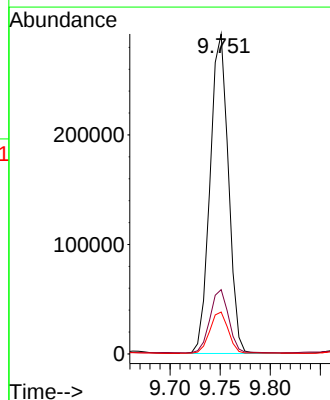
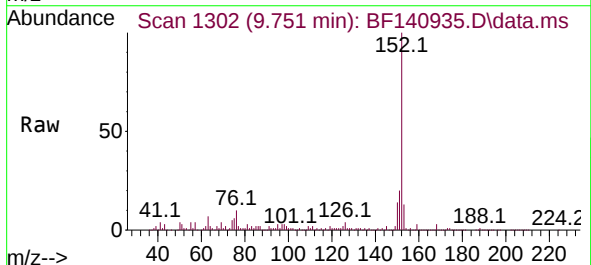
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

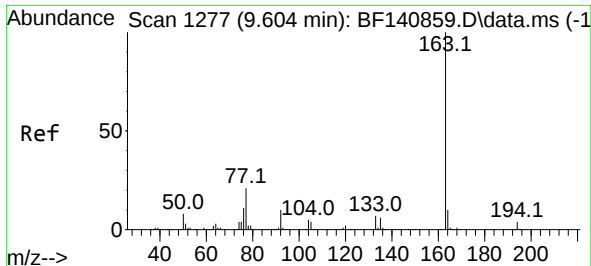
Tgt Ion: 65 Resp: 71522  
Ion Ratio Lower Upper  
65 100  
92 76.0 56.3 84.5  
138 107.5 83.8 125.6



#49  
Acenaphthylene  
Concen: 46.222 ng  
RT: 9.751 min Scan# 1302  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 152 Resp: 371164  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.0 24.0  
153 13.1 10.6 16.0

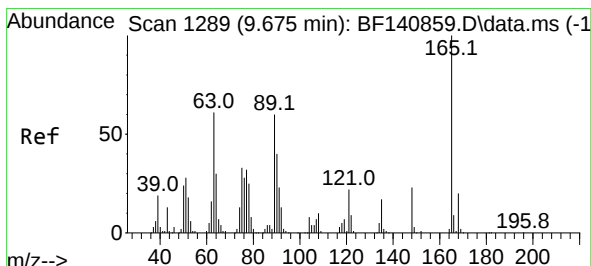
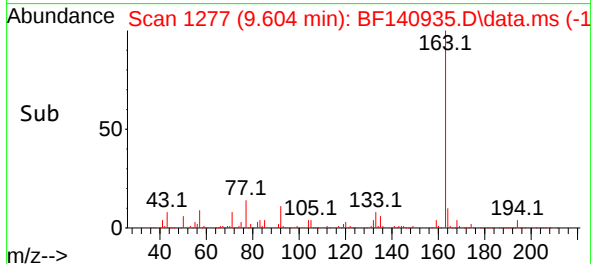
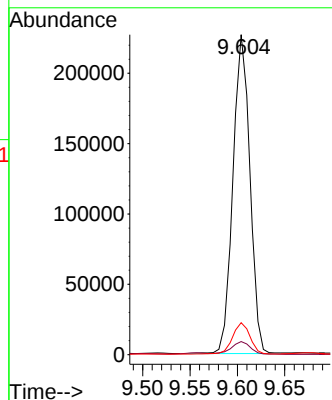
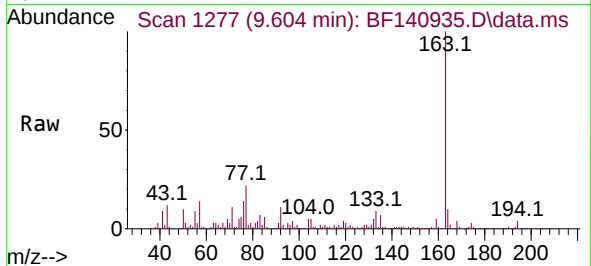




#50  
Dimethylphthalate  
Concen: 44.584 ng  
RT: 9.604 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

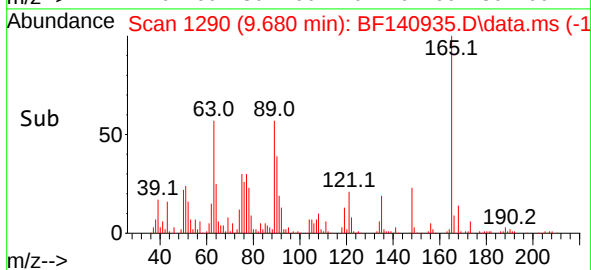
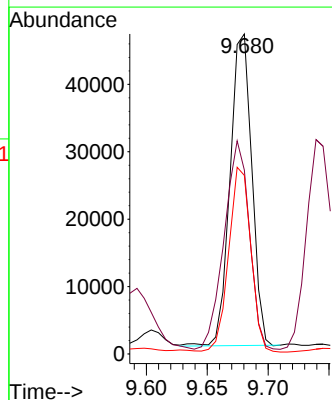
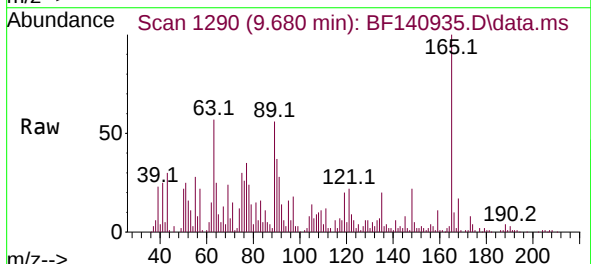
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

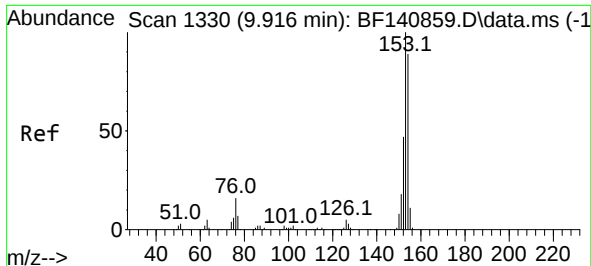
Tgt Ion:163 Resp: 282341  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.1 4.7  
164 10.0 8.1 12.1



#51  
2,6-Dinitrotoluene  
Concen: 39.666 ng  
RT: 9.680 min Scan# 1290  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:165 Resp: 57425  
Ion Ratio Lower Upper  
165 100  
63 57.5 49.7 74.5  
89 55.8 48.2 72.4

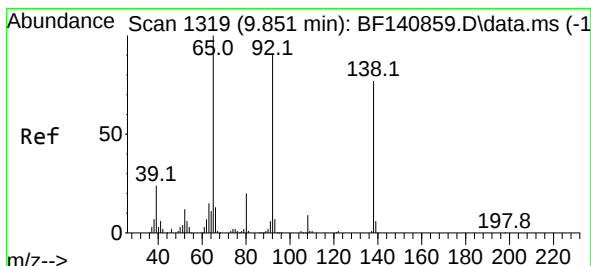
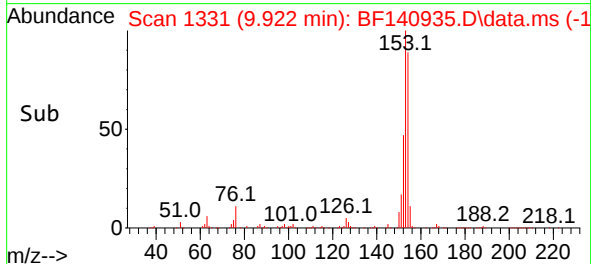
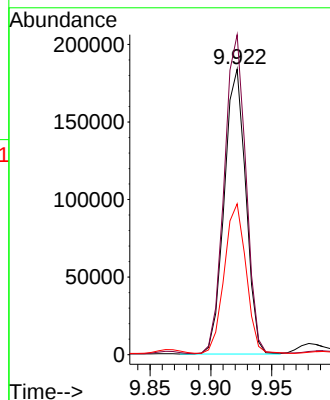
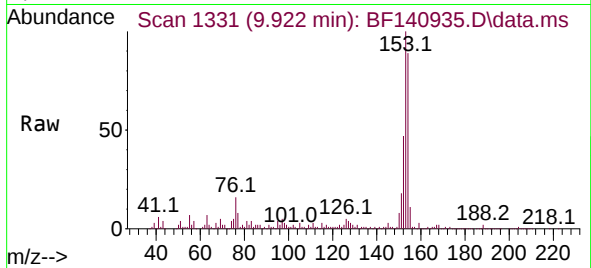




#52  
Acenaphthene  
Concen: 44.092 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

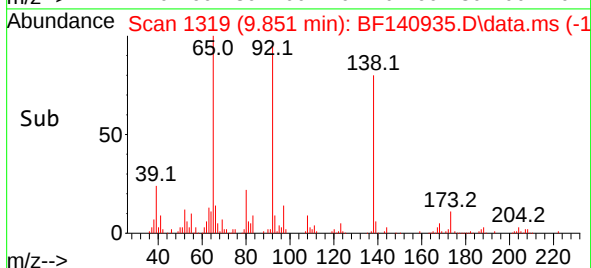
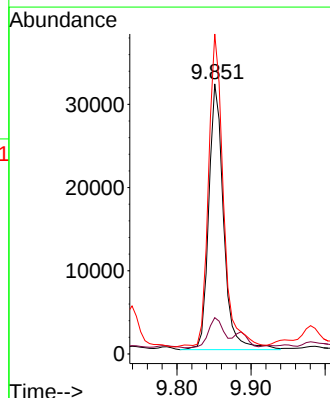
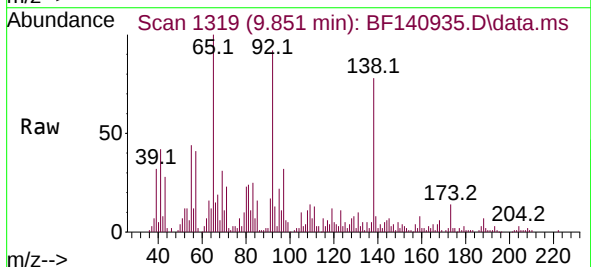
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

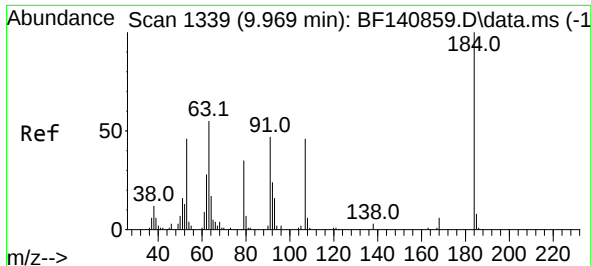
Tgt Ion:154 Resp: 226164  
Ion Ratio Lower Upper  
154 100  
153 112.0 89.9 134.9  
152 52.9 42.6 63.8



#53  
3-Nitroaniline  
Concen: 30.914 ng  
RT: 9.851 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:138 Resp: 44414  
Ion Ratio Lower Upper  
138 100  
108 13.5 9.0 13.4#  
92 118.5 95.5 143.3

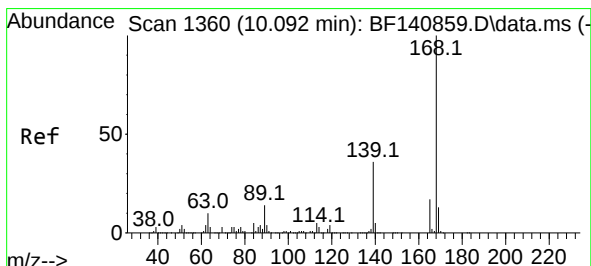
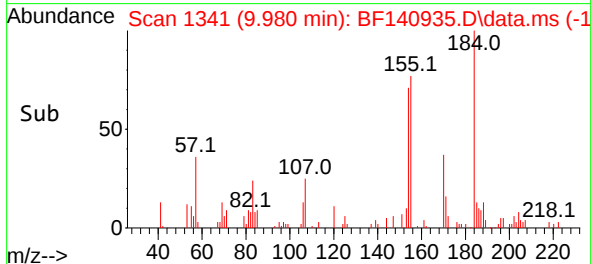
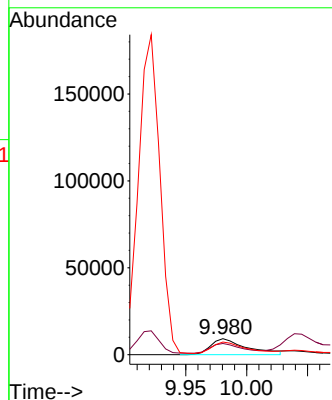
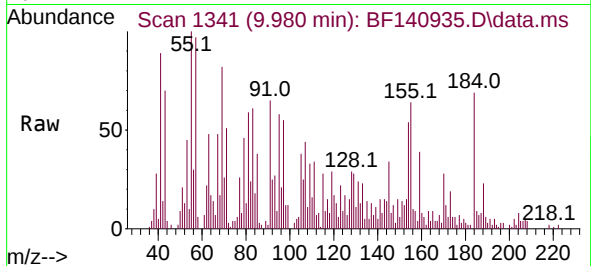




#54  
2,4-Dinitrophenol  
Concen: 31.099 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.011 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

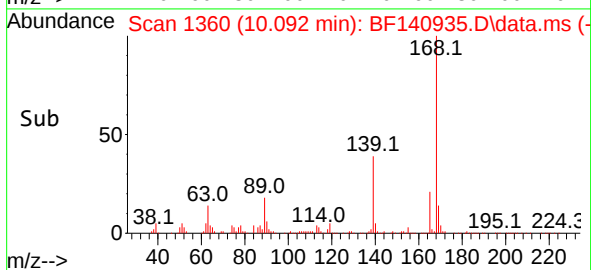
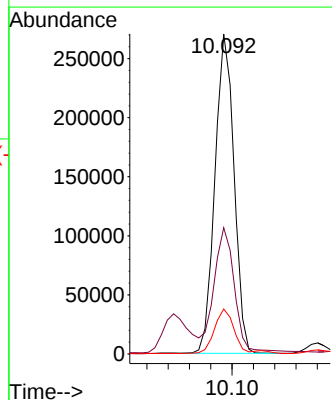
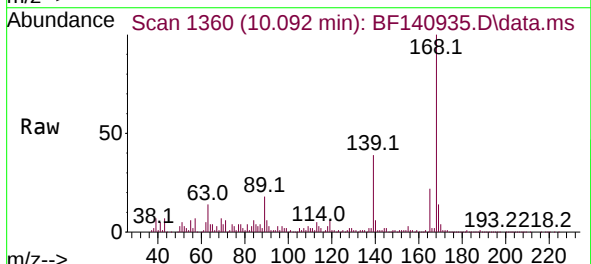
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

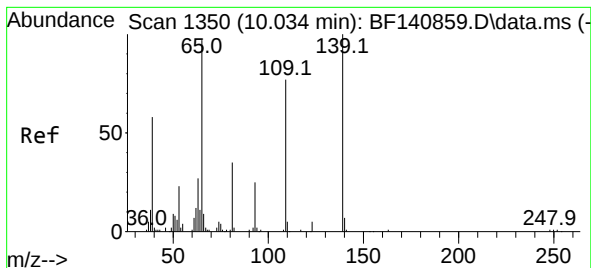
Tgt Ion:184 Resp: 18892  
Ion Ratio Lower Upper  
184 100  
63 69.5 51.6 77.4  
154 78.3 56.1 84.1



#55  
Dibenzofuran  
Concen: 42.186 ng  
RT: 10.092 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:168 Resp: 335305  
Ion Ratio Lower Upper  
168 100  
139 39.4 31.1 46.7  
169 14.0 10.6 16.0

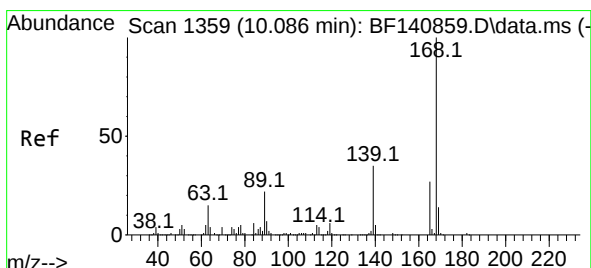
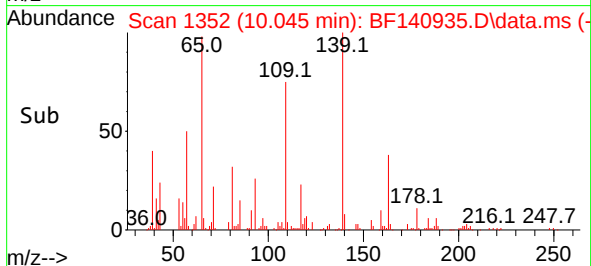
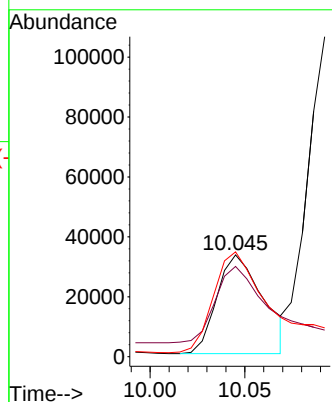
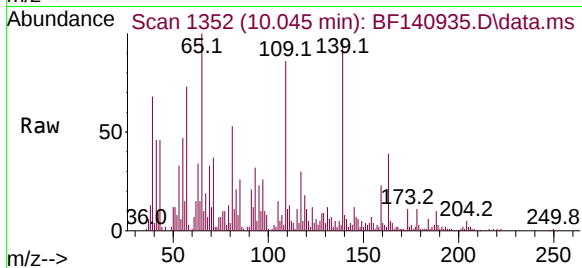




#56  
4-Nitrophenol  
Concen: 72.570 ng  
RT: 10.045 min Scan# 1352  
Delta R.T. 0.011 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

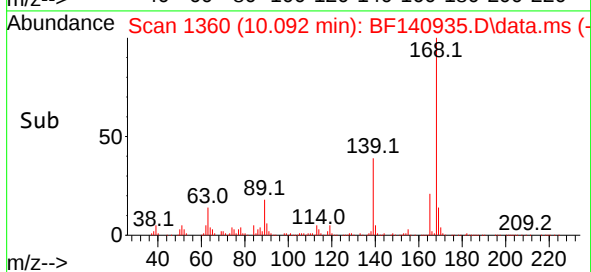
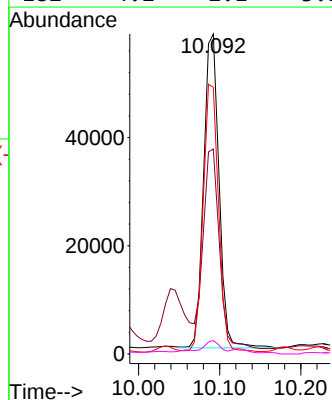
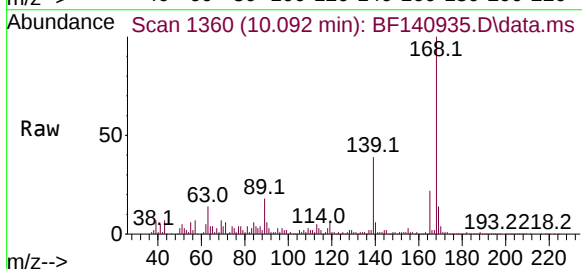
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BNA\_F  
ClientSampleId :  
HR-04-121624MS

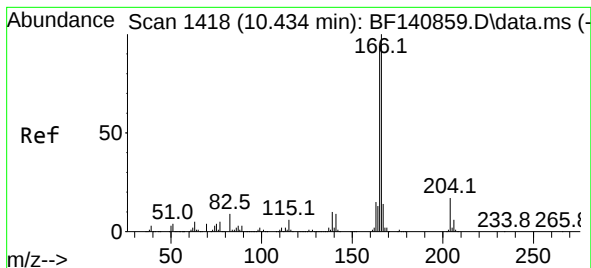
Tgt Ion:139 Resp: 55745  
Ion Ratio Lower Upper  
139 100  
109 88.6 56.7 96.7  
65 102.9 78.1 118.1



#57  
2,4-Dinitrotoluene  
Concen: 40.062 ng  
RT: 10.092 min Scan# 1360  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:165 Resp: 76310  
Ion Ratio Lower Upper  
165 100  
63 64.1 49.3 73.9  
89 83.3 66.2 99.4  
182 4.2 2.1 3.1#





#58

Fluorene

Concen: 41.528 ng

RT: 10.439 min Scan# 1418

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

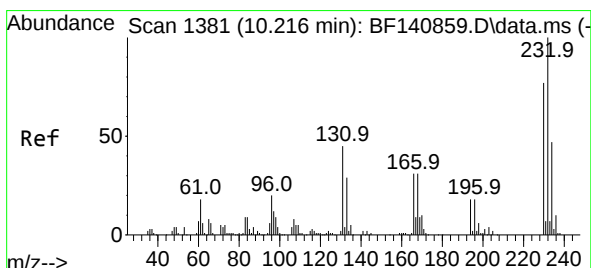
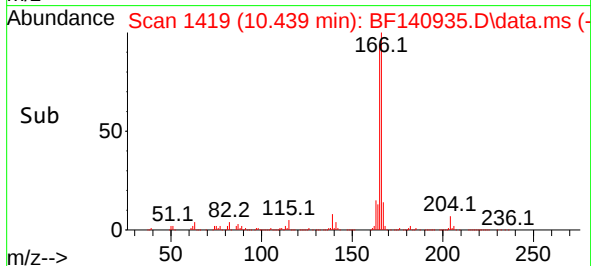
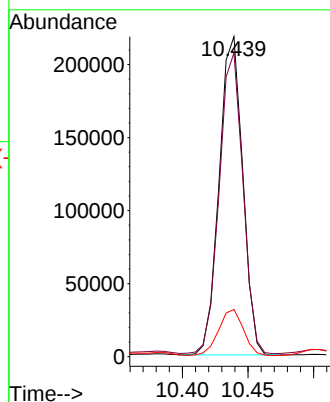
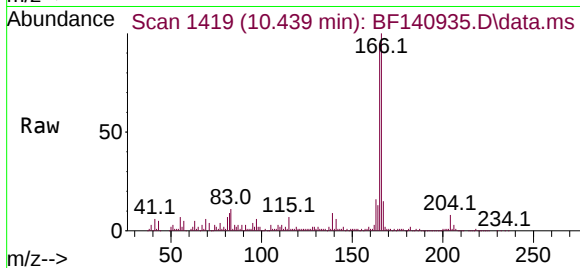
Tgt Ion:166 Resp: 272314

Ion Ratio Lower Upper

166 100

165 94.9 75.1 112.7

167 14.7 11.1 16.7



#59

2,3,4,6-Tetrachlorophenol

Concen: 42.259 ng

RT: 10.222 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Tgt Ion:232 Resp: 63984

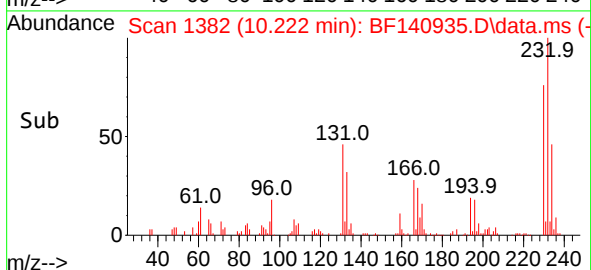
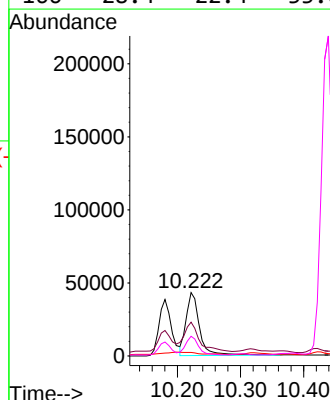
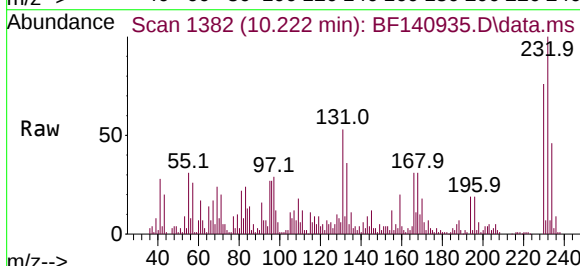
Ion Ratio Lower Upper

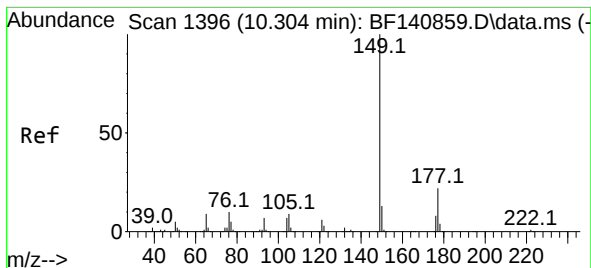
232 100

131 51.8 35.1 52.7

130 0.0 1.8 2.8#

166 28.4 22.4 33.6





#60

Diethylphthalate

Concen: 41.120 ng

RT: 10.304 min Scan# 1396

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

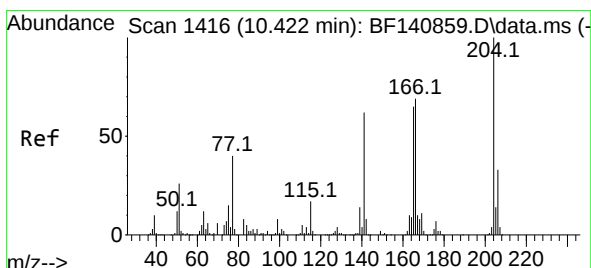
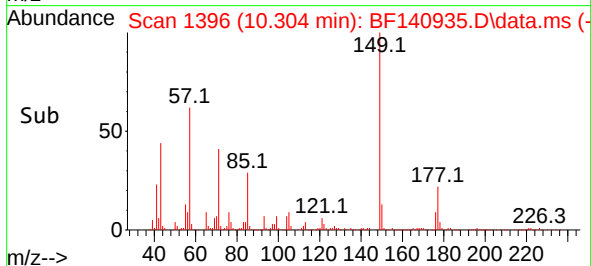
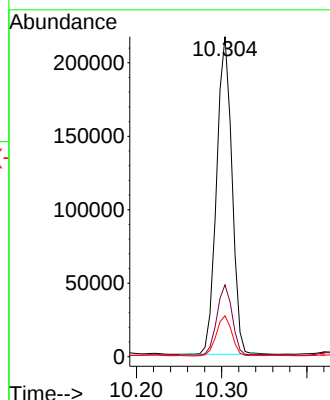
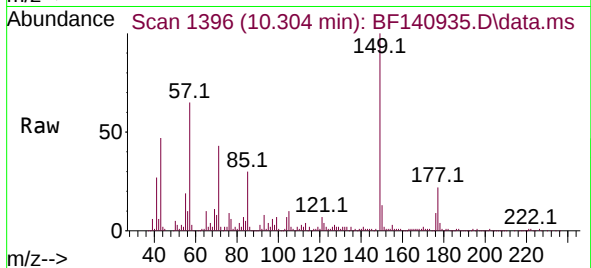
Tgt Ion:149 Resp: 270027

Ion Ratio Lower Upper

149 100

177 22.5 17.2 25.8

150 12.8 10.1 15.1



#61

4-Chlorophenyl-phenylether

Concen: 39.748 ng

RT: 10.422 min Scan# 1416

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

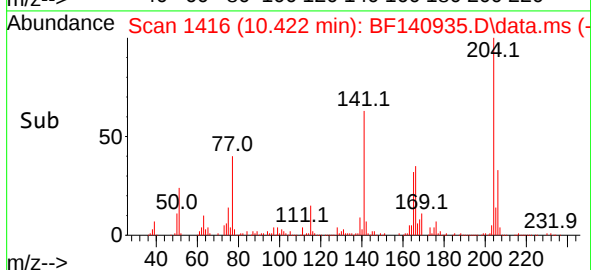
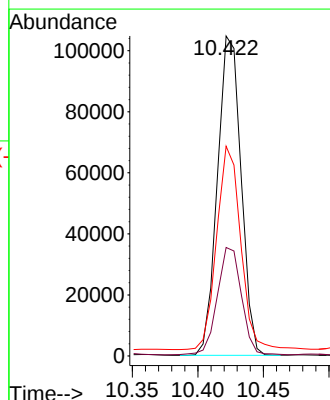
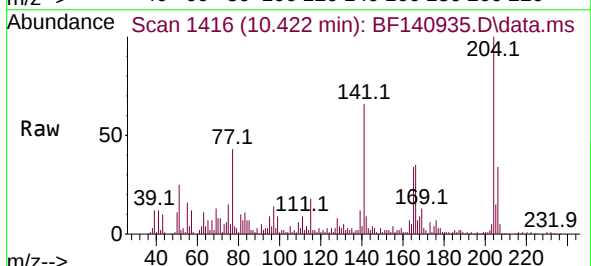
Tgt Ion:204 Resp: 130925

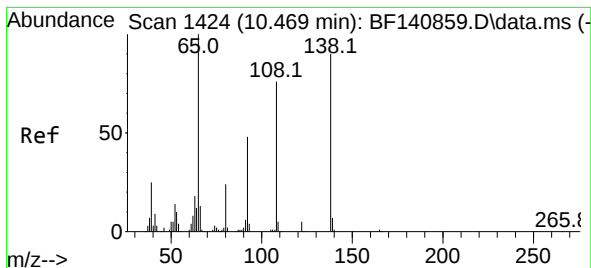
Ion Ratio Lower Upper

204 100

206 33.9 26.5 39.7

141 65.5 50.0 75.0

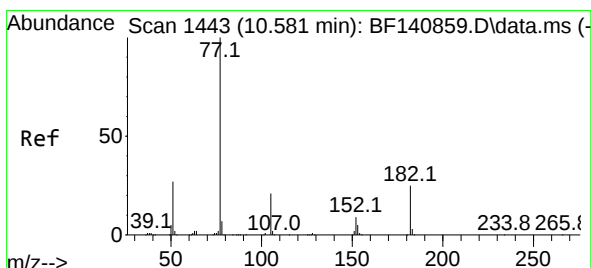
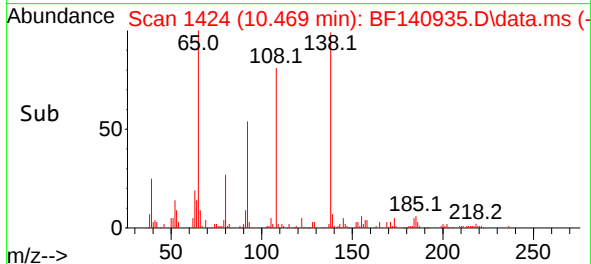
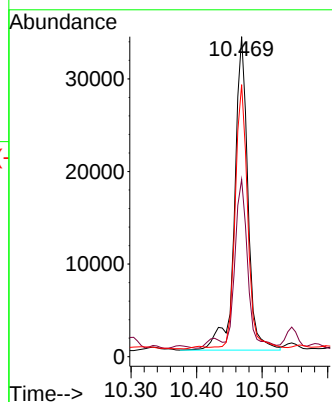
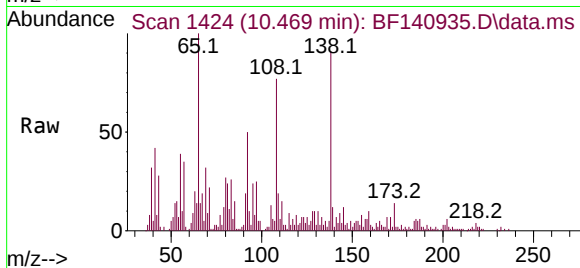




#62  
4-Nitroaniline  
Concen: 32.098 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

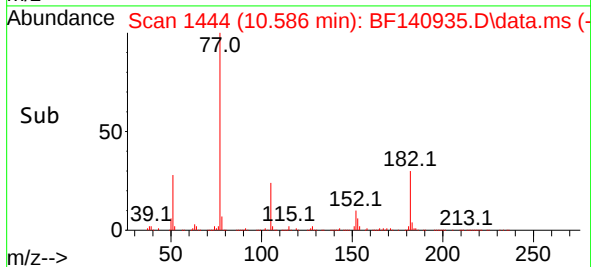
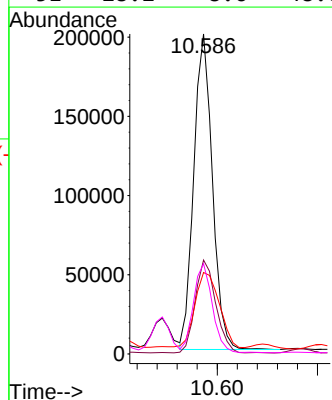
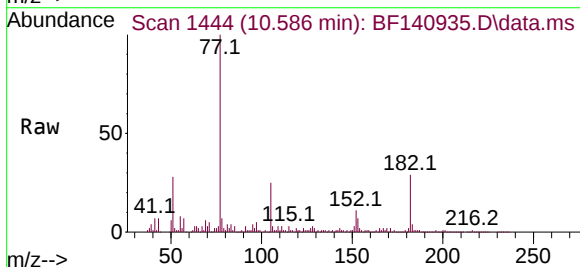
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

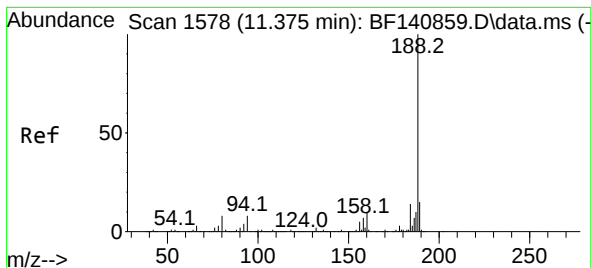
Tgt Ion:138 Resp: 48190  
Ion Ratio Lower Upper  
138 100  
92 55.4 32.6 72.6  
108 85.0 64.1 104.1



#63  
Azobenzene  
Concen: 41.632 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion: 77 Resp: 257018  
Ion Ratio Lower Upper  
77 100  
182 29.4 4.5 44.5  
105 25.5 0.9 40.9  
51 28.2 8.6 48.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.380 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

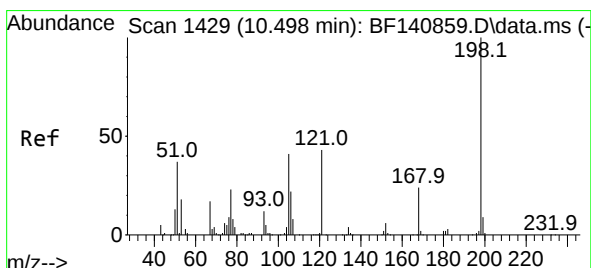
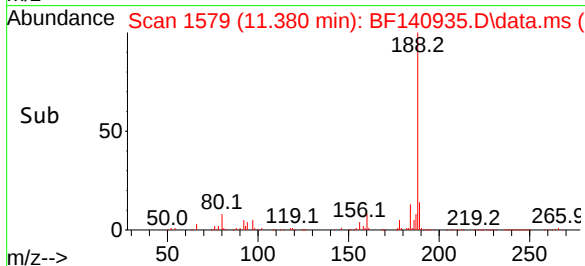
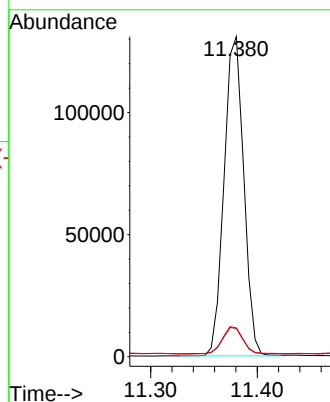
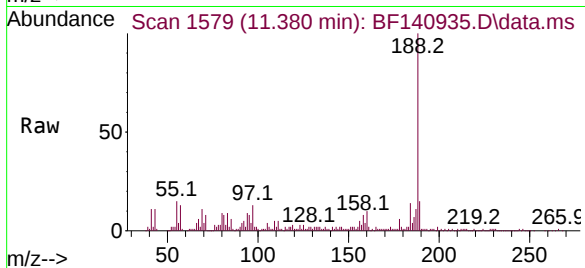
Tgt Ion:188 Resp: 167636

Ion Ratio Lower Upper

188 100

94 8.9 6.4 9.6

80 9.0 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 17.911 ng

RT: 10.510 min Scan# 1431

Delta R.T. 0.012 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

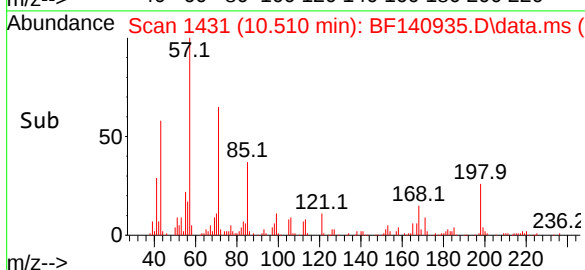
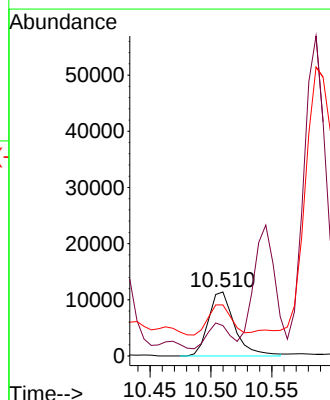
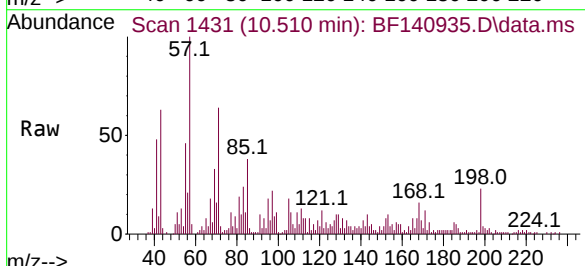
Tgt Ion:198 Resp: 17014

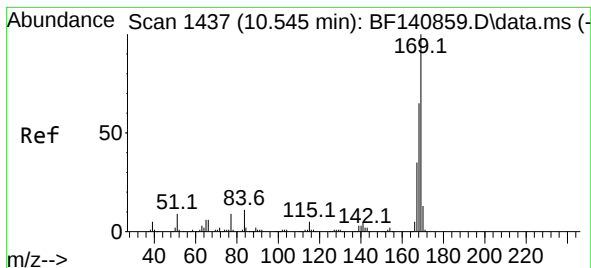
Ion Ratio Lower Upper

198 100

51 47.4 24.4 64.4

105 79.6 22.1 62.1#





#66

n-Nitrosodiphenylamine

Concen: 45.720 ng

RT: 10.545 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

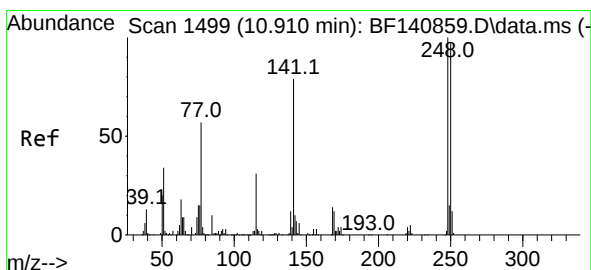
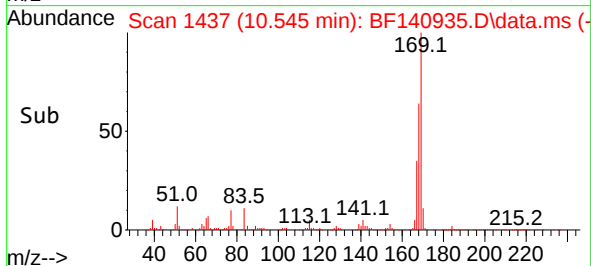
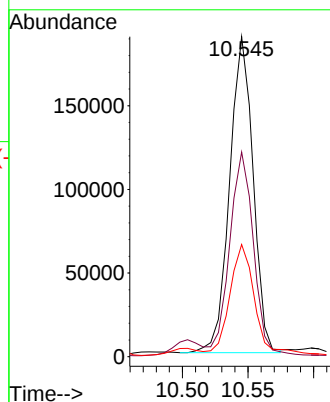
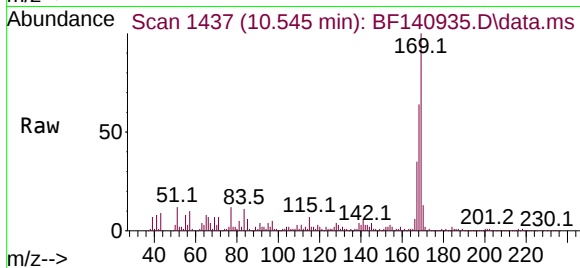
Tgt Ion:169 Resp: 235642

Ion Ratio Lower Upper

169 100

168 64.0 53.4 80.0

167 35.0 28.3 42.5



#67

4-Bromophenyl-phenylether

Concen: 40.852 ng

RT: 10.916 min Scan# 1500

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

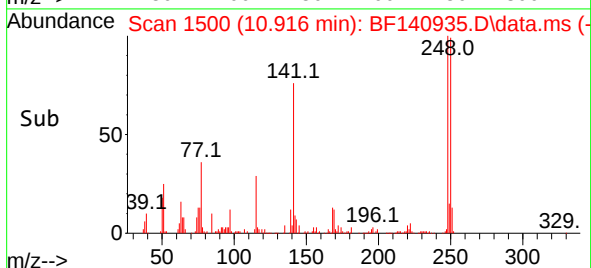
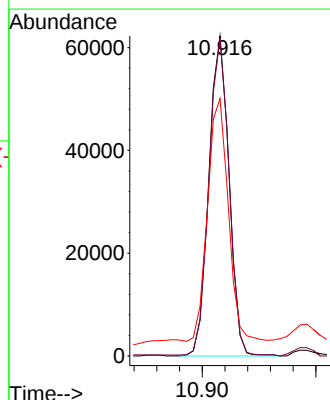
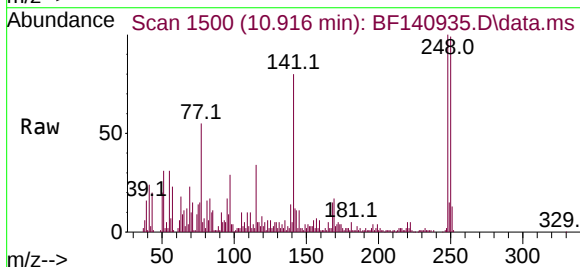
Tgt Ion:248 Resp: 76614

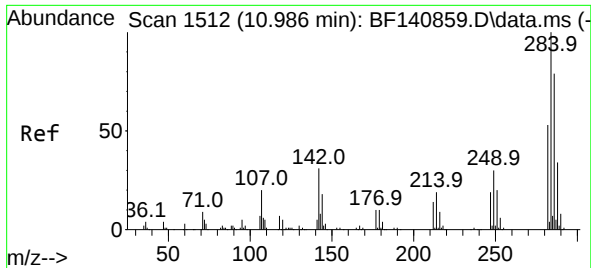
Ion Ratio Lower Upper

248 100

250 99.3 77.4 116.2

141 80.5 62.9 94.3

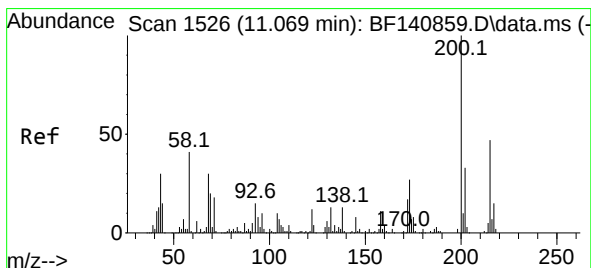
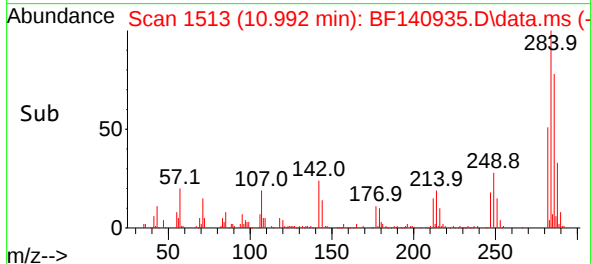
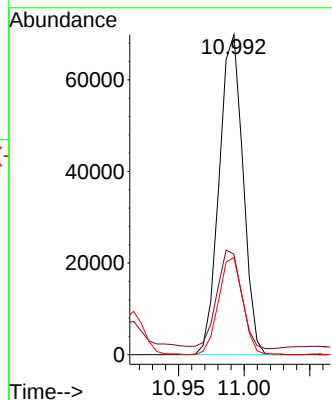
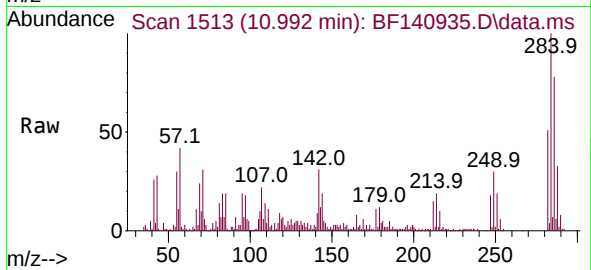




#68  
Hexachlorobenzene  
Concen: 41.441 ng  
RT: 10.992 min Scan# 1513  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

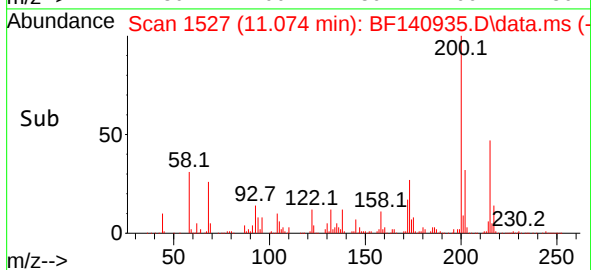
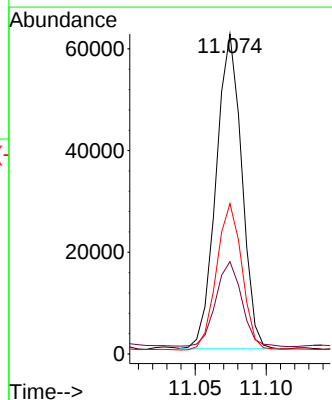
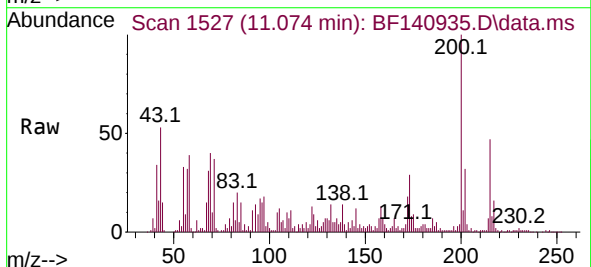
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

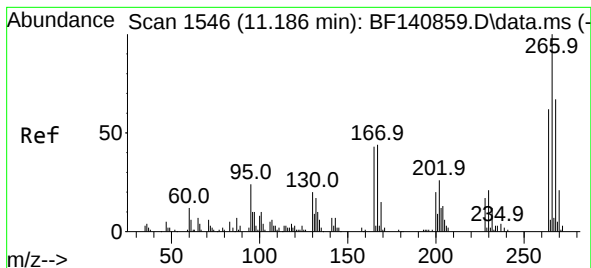
Tgt Ion:284 Resp: 88116  
Ion Ratio Lower Upper  
284 100  
142 31.4 24.6 36.8  
249 30.4 24.3 36.5



#69  
Atrazine  
Concen: 54.041 ng  
RT: 11.074 min Scan# 1527  
Delta R.T. 0.006 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:200 Resp: 77790  
Ion Ratio Lower Upper  
200 100  
173 28.9 6.6 46.6  
215 47.0 26.7 66.7





#70

Pentachlorophenol

Concen: 87.398 ng

RT: 11.198 min Scan# 1546

Delta R.T. 0.012 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

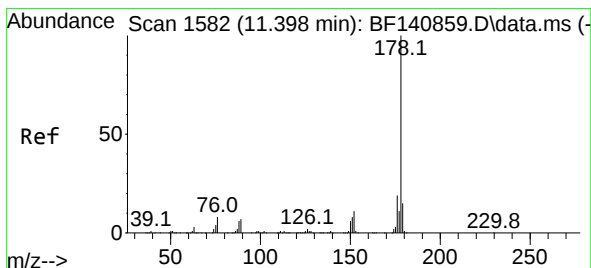
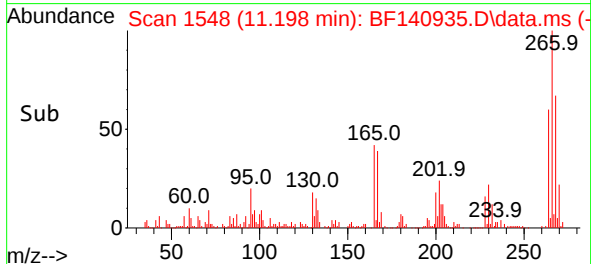
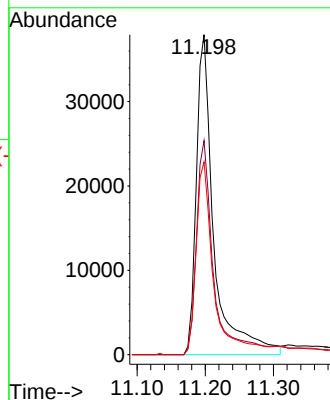
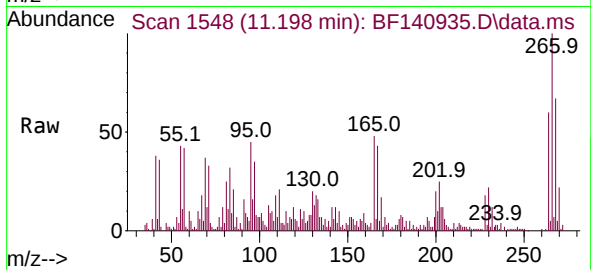
Tgt Ion:266 Resp: 67942

Ion Ratio Lower Upper

266 100

268 66.9 54.0 81.0

264 60.3 49.4 74.2



#71

Phenanthrene

Concen: 54.530 ng

RT: 11.404 min Scan# 1583

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

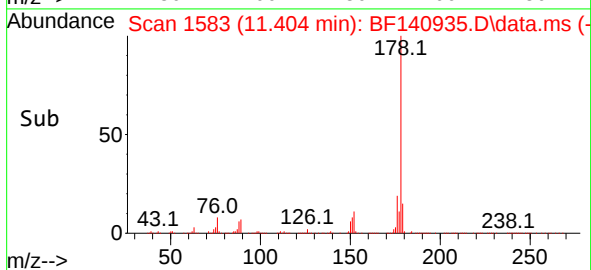
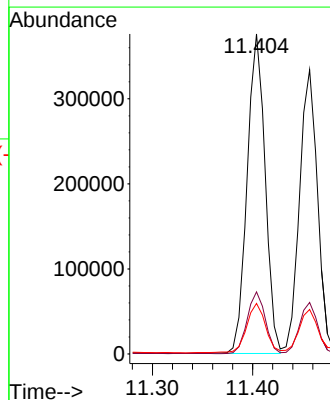
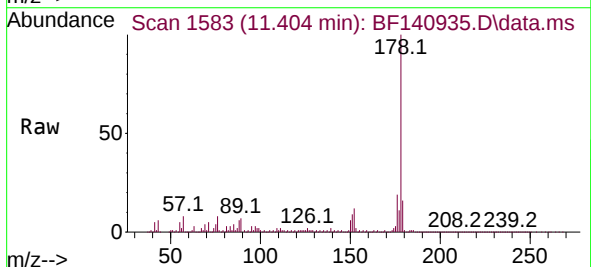
Tgt Ion:178 Resp: 470076

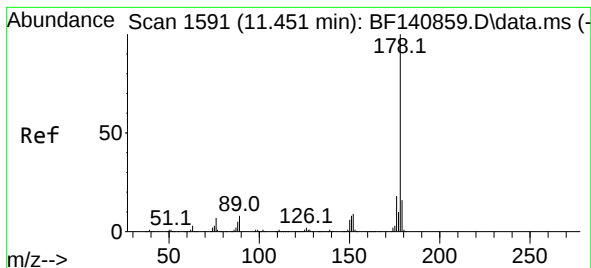
Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.2

179 15.8 12.1 18.1





#72

Anthracene

Concen: 48.648 ng

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

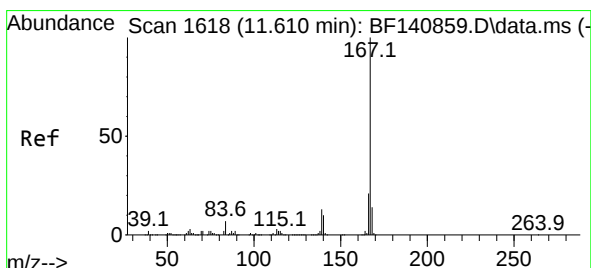
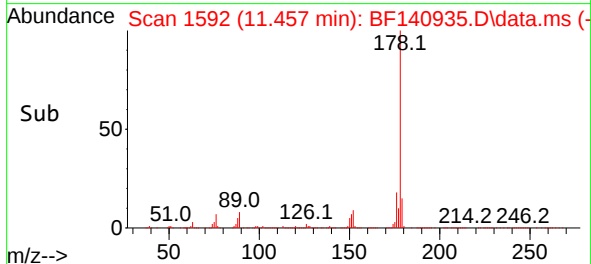
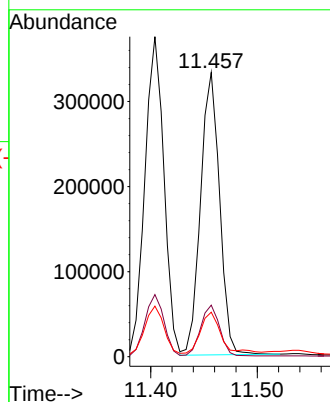
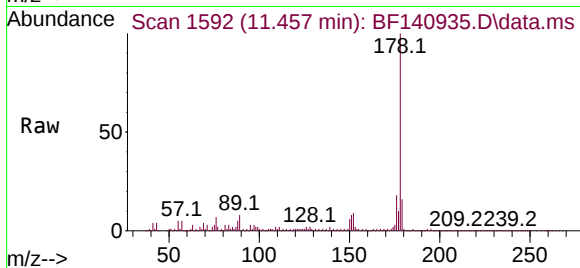
Tgt Ion:178 Resp: 412998

Ion Ratio Lower Upper

178 100

176 18.2 14.6 22.0

179 15.7 12.6 18.8



#73

Carbazole

Concen: 44.533 ng

RT: 11.616 min Scan# 1619

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

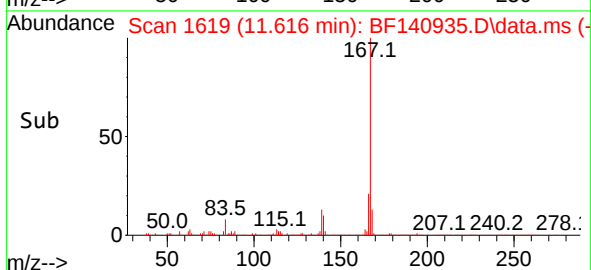
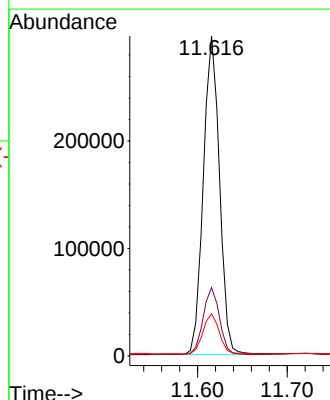
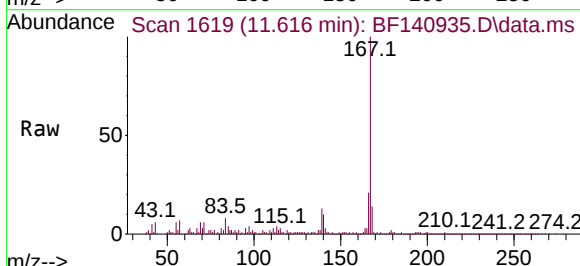
Tgt Ion:167 Resp: 370306

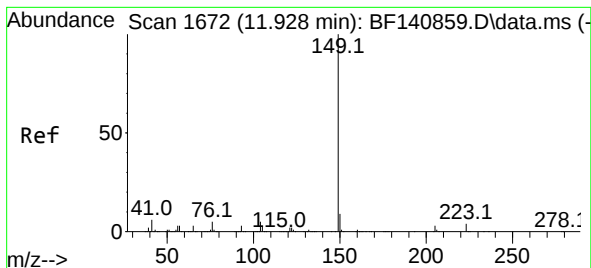
Ion Ratio Lower Upper

167 100

166 21.3 17.0 25.6

139 13.2 10.2 15.2





#74

Di-n-butylphthalate

Concen: 45.706 ng

RT: 11.927 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

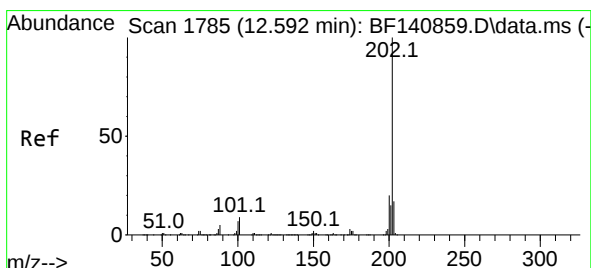
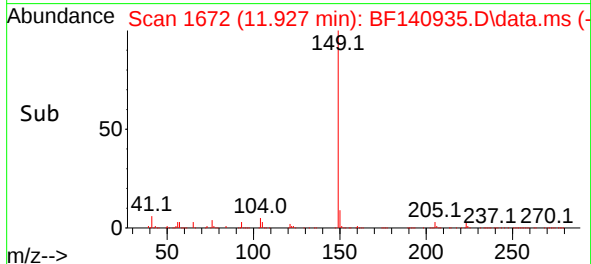
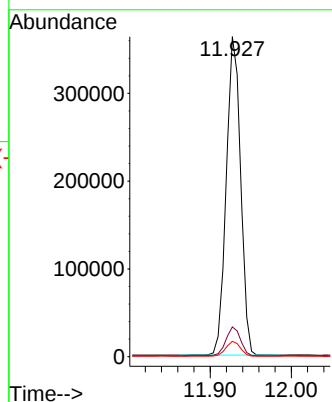
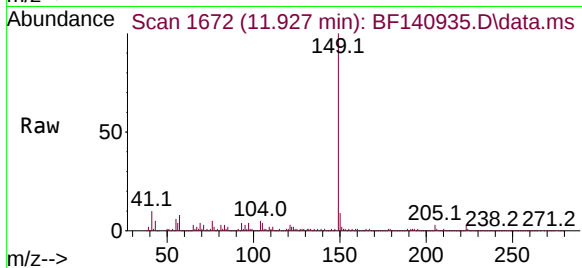
Tgt Ion:149 Resp: 446044

Ion Ratio Lower Upper

149 100

150 9.3 7.5 11.3

104 4.8 3.8 5.8



#75

Fluoranthene

Concen: 59.906 ng

RT: 12.598 min Scan# 1786

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

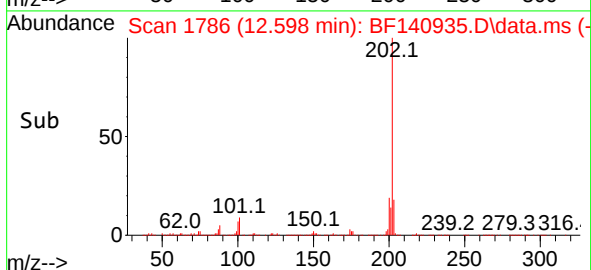
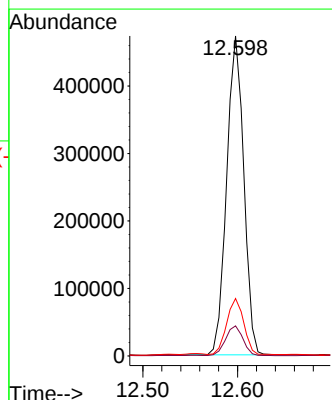
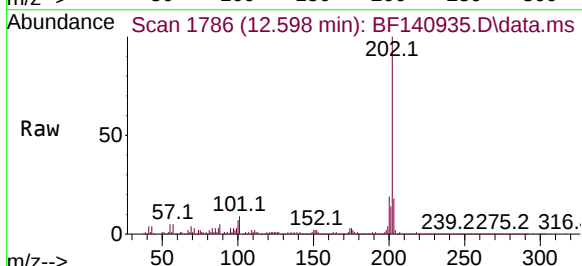
Tgt Ion:202 Resp: 594749

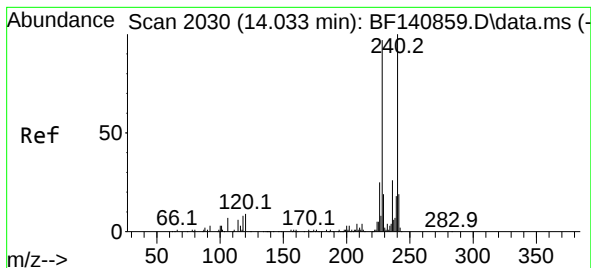
Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

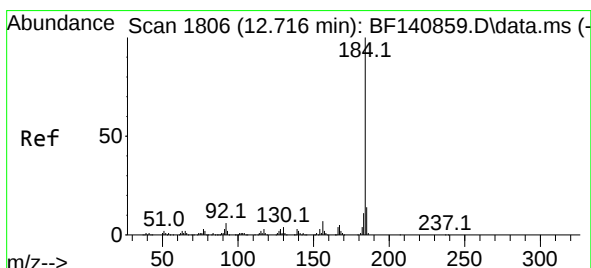
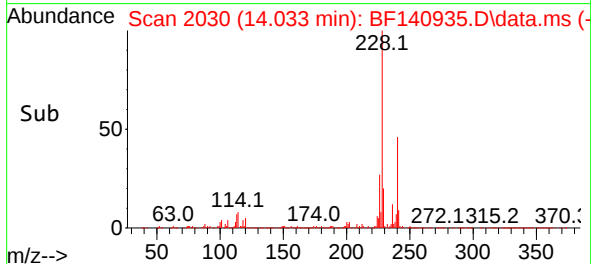
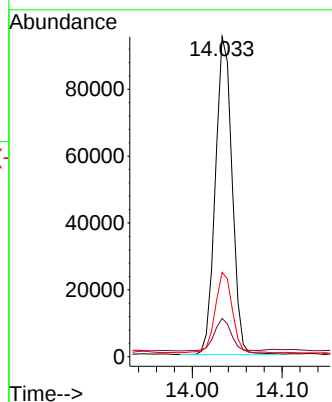
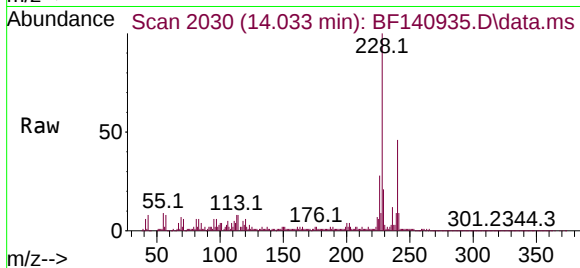
Tgt Ion:240 Resp: 122820

Ion Ratio Lower Upper

240 100

120 12.0 7.6 11.4#

236 26.4 20.5 30.7



#77

Benzidine

Concen: 21.092 ng

RT: 12.721 min Scan# 1807

Delta R.T. 0.005 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

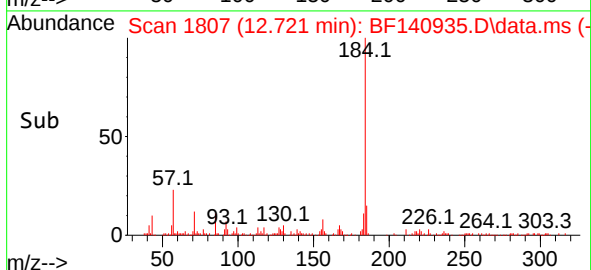
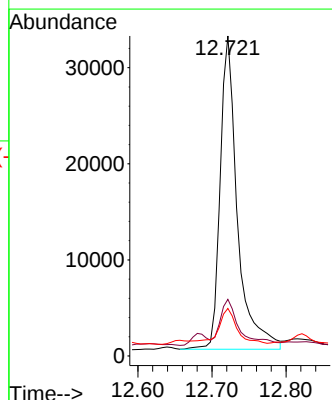
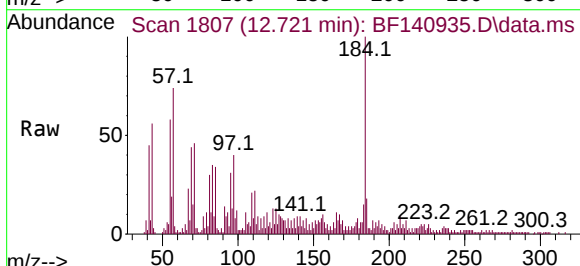
Tgt Ion:184 Resp: 52871

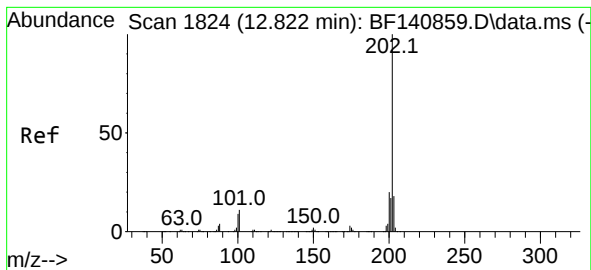
Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

183 14.9 9.0 13.4#





#78

Pyrene

Concen: 56.317 ng

RT: 12.827 min Scan# 1824

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

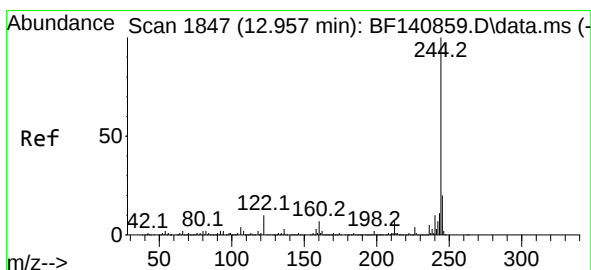
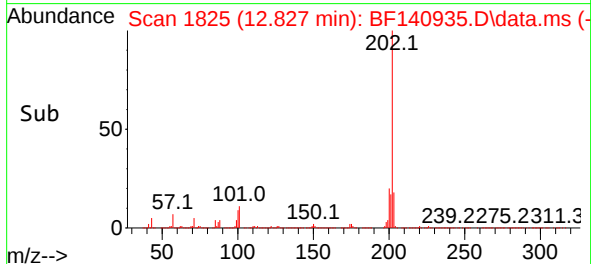
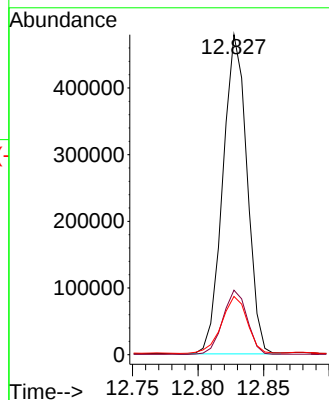
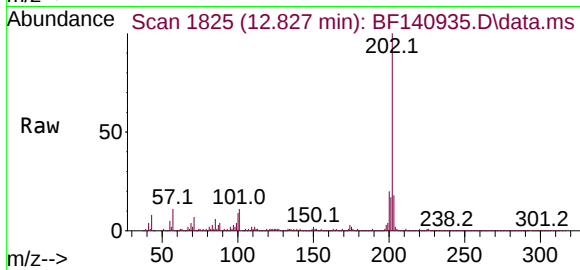
Tgt Ion:202 Resp: 615083

Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

203 18.2 14.2 21.4



#79

Terphenyl-d14

Concen: 57.581 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

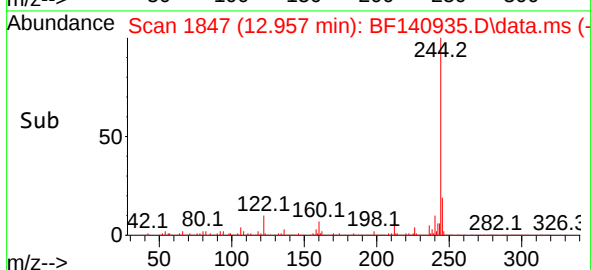
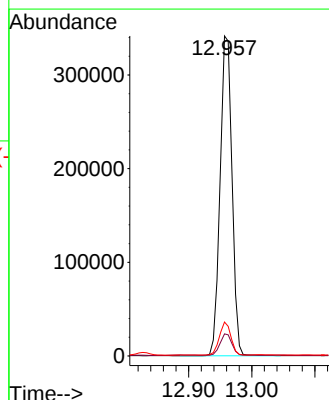
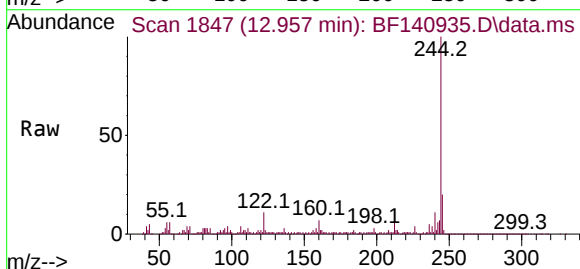
Tgt Ion:244 Resp: 448493

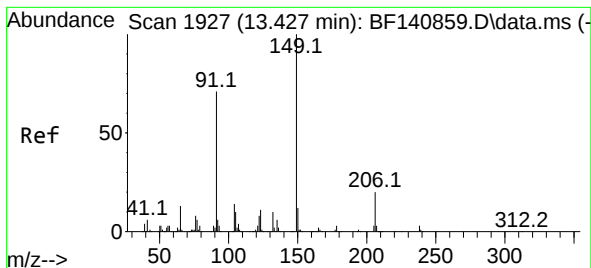
Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.6 8.2 12.2





#80

Butylbenzylphthalate

Concen: 49.394 ng

RT: 13.433 min Scan# 1928

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

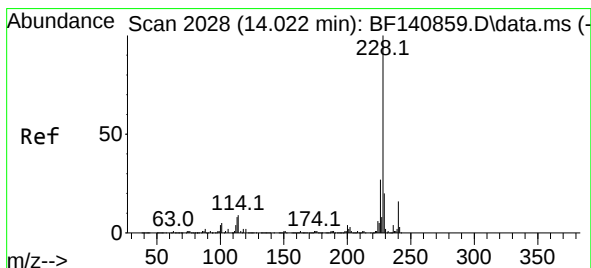
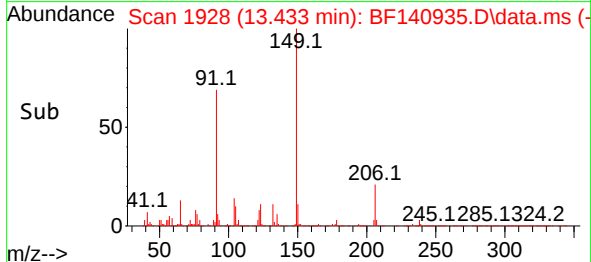
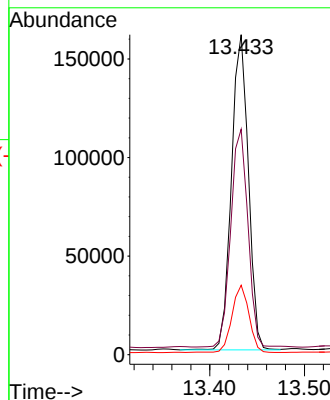
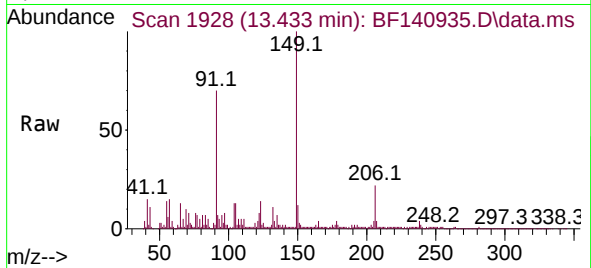
Tgt Ion:149 Resp: 198502

Ion Ratio Lower Upper

149 100

91 70.5 56.7 85.1

206 21.7 16.4 24.6



#81

Benzo(a)anthracene

Concen: 50.721 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

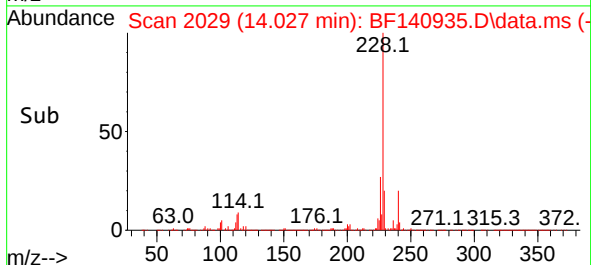
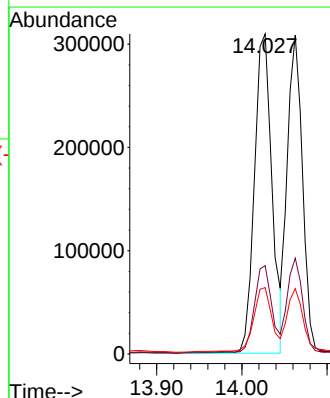
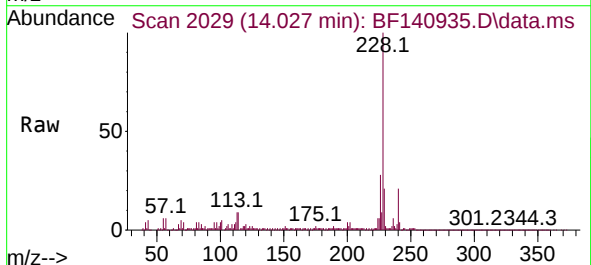
Tgt Ion:228 Resp: 441510

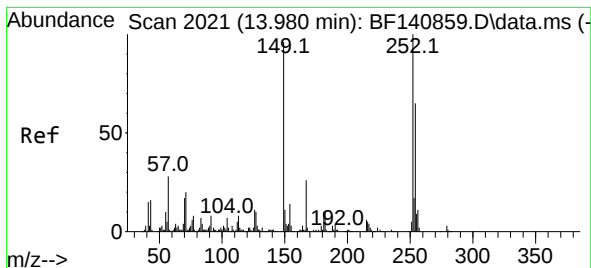
Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.8

229 20.8 15.8 23.8





#82

3,3'-Dichlorobenzidine

Concen: 30.671 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

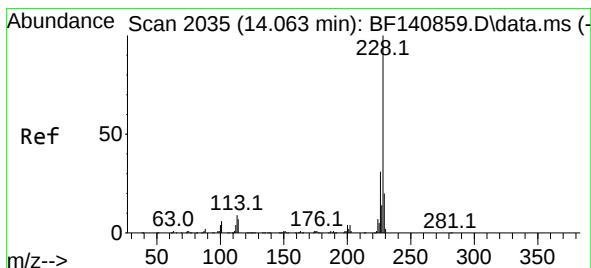
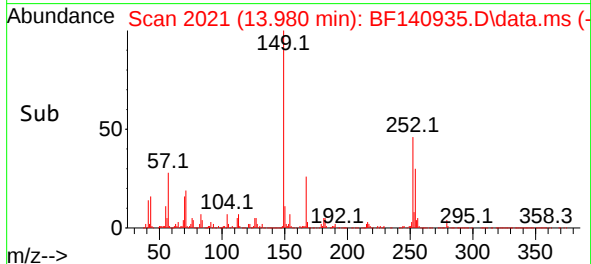
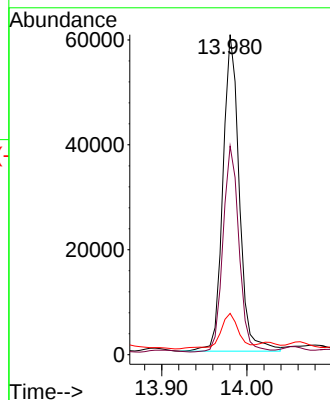
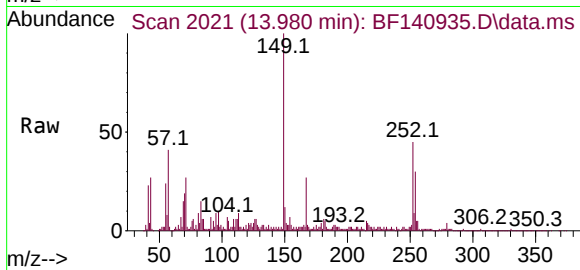
Tgt Ion:252 Resp: 80550

Ion Ratio Lower Upper

252 100

254 65.2 52.3 78.5

126 12.9 8.4 12.6#



#83

Chrysene

Concen: 47.699 ng

RT: 14.063 min Scan# 2035

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

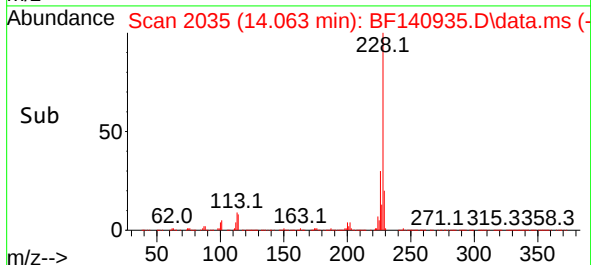
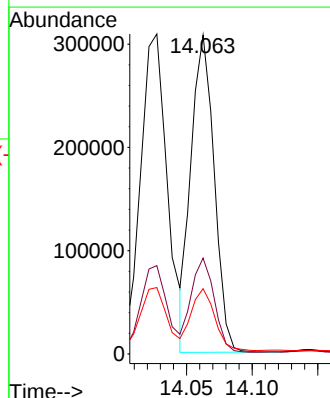
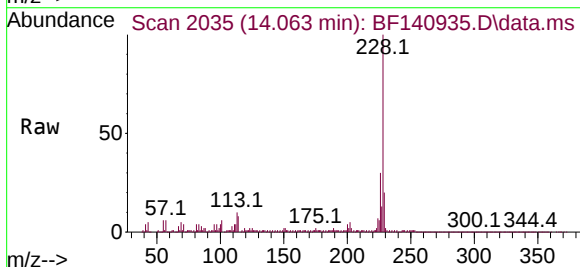
Tgt Ion:228 Resp: 377556

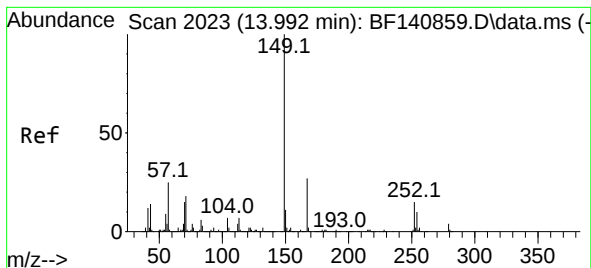
Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 20.5 16.0 24.0

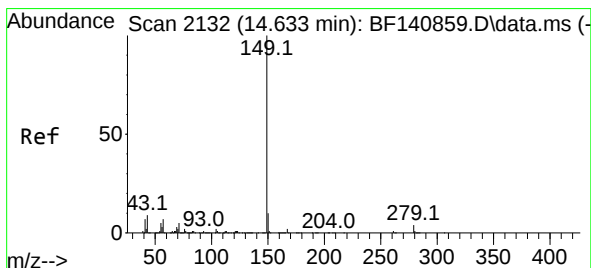
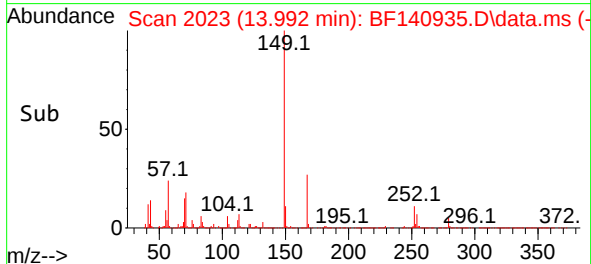
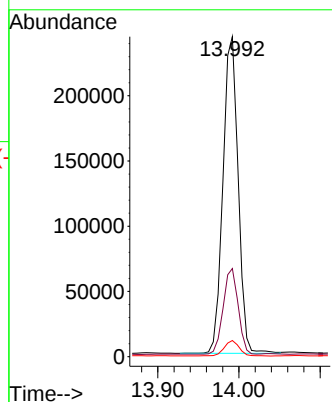
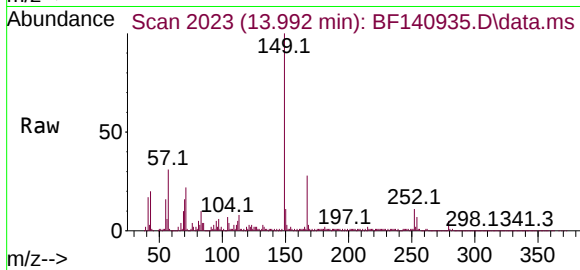




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 61.016 ng  
RT: 13.992 min Scan# 2023  
Delta R.T. -0.000 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

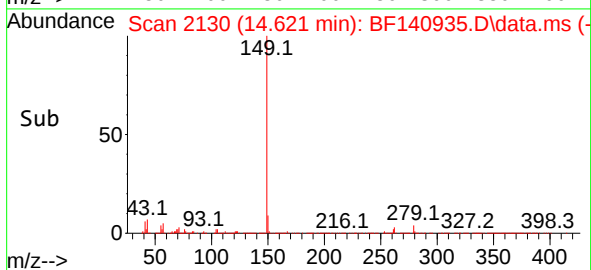
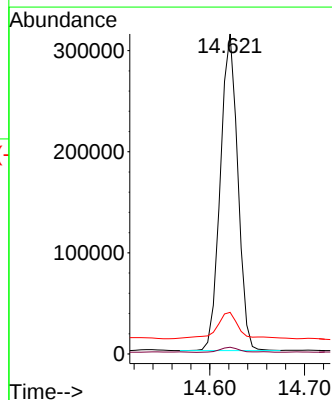
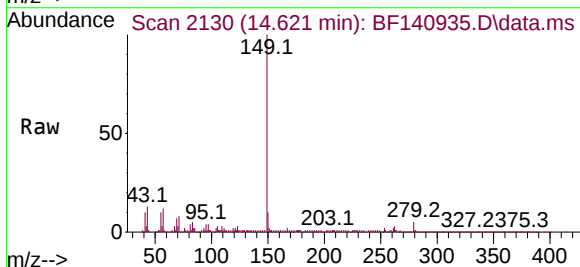
Instrument :  
BNA\_F  
ClientSampleId :  
HR-04-121624MS

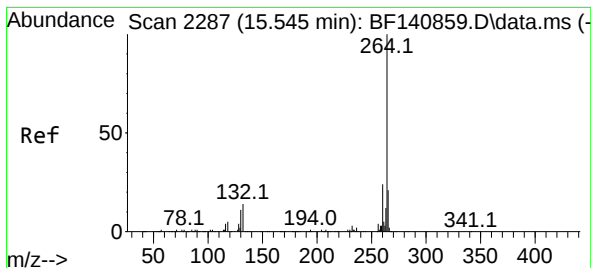
Tgt Ion:149 Resp: 316173  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.8 32.8  
279 5.0 3.5 5.3



#85  
Di-n-octyl phthalate  
Concen: 51.291 ng  
RT: 14.621 min Scan# 2130  
Delta R.T. -0.012 min  
Lab File: BF140935.D  
Acq: 19 Dec 2024 19:08

Tgt Ion:149 Resp: 402099  
Ion Ratio Lower Upper  
149 100  
167 1.8 1.3 1.9  
43 10.7 7.0 10.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

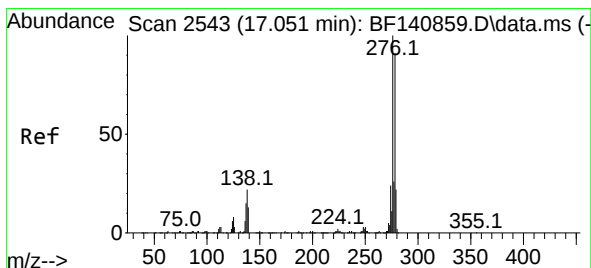
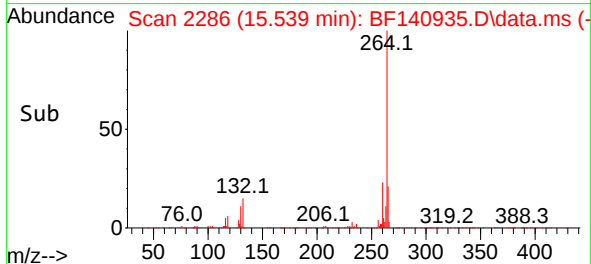
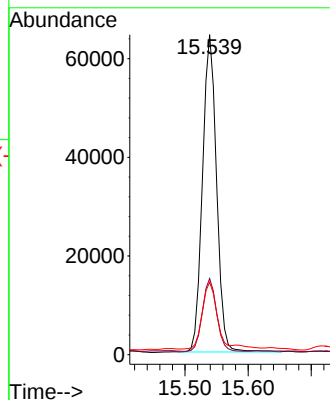
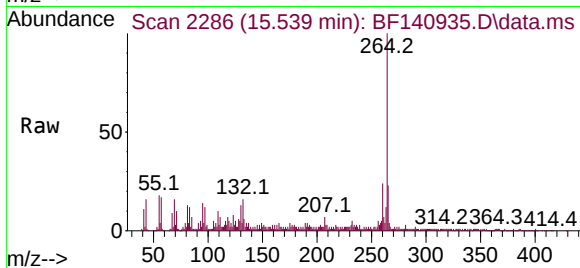
Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 99558     |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.8  | 19.1 28.7 |
| 265         | 22.6  | 17.0 25.4 |



#87

Indeno(1,2,3-cd)pyrene

Concen: 49.931 ng

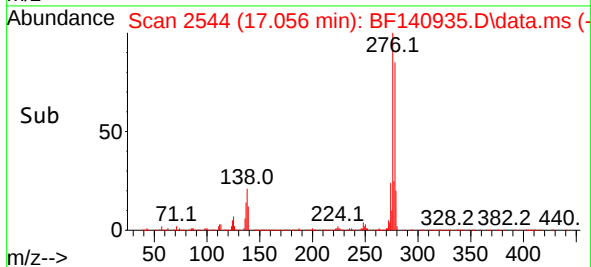
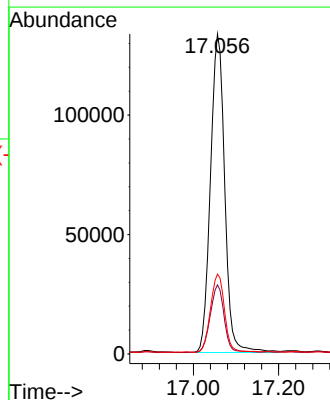
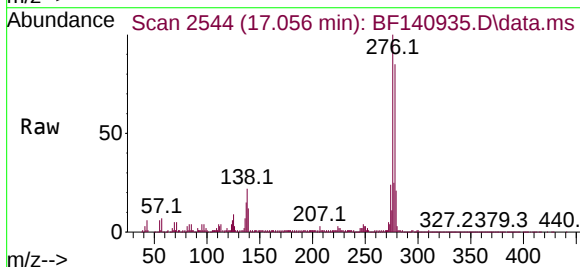
RT: 17.056 min Scan# 2544

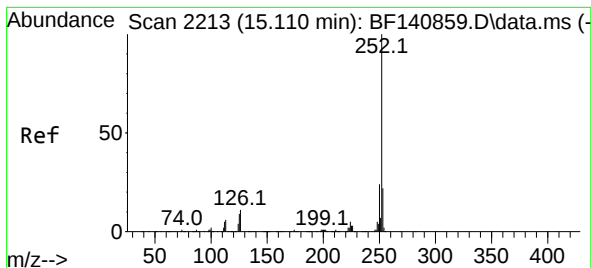
Delta R.T. 0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:276 | Resp: | 310213    |
| Ion Ratio   | Lower | Upper     |
| 276         | 100   |           |
| 138         | 20.6  | 16.9 25.3 |
| 277         | 24.0  | 20.2 30.4 |





#88

Benzo(b)fluoranthene

Concen: 46.218 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

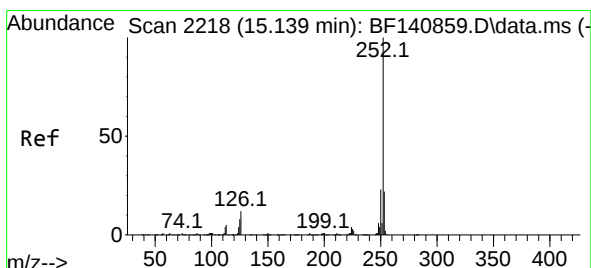
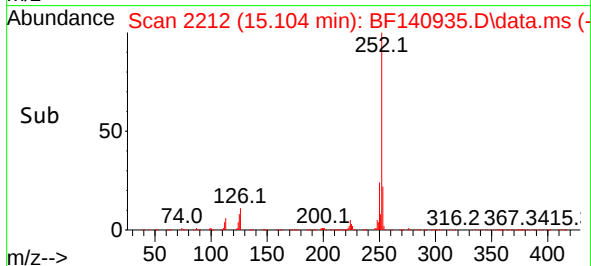
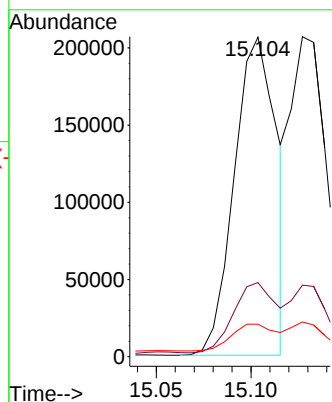
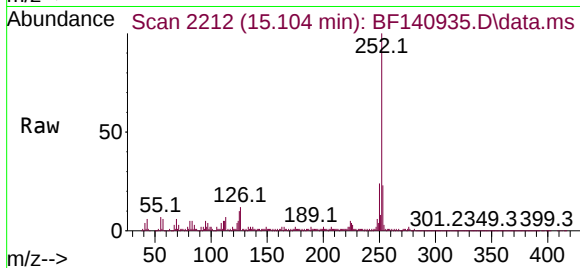
Tgt Ion:252 Resp: 319403

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 10.2 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 47.120 ng m

RT: 15.127 min Scan# 2216

Delta R.T. -0.012 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

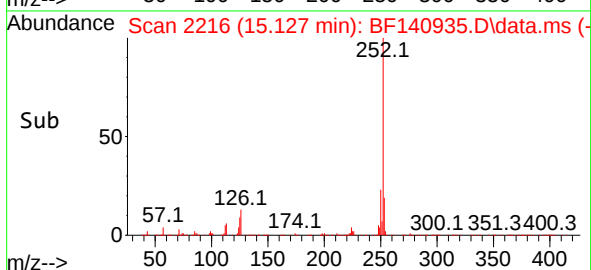
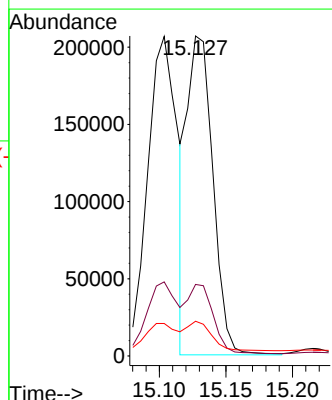
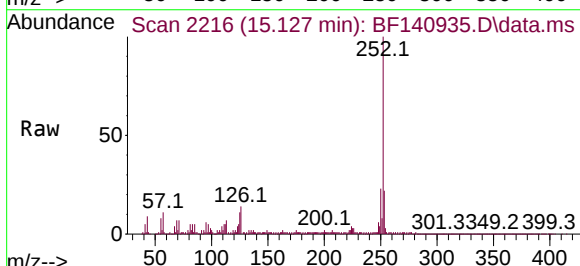
Tgt Ion:252 Resp: 279331

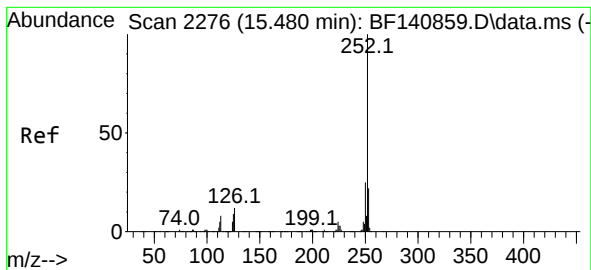
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 10.8 6.8 10.2#





#90

Benzo(a)pyrene

Concen: 50.495 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS

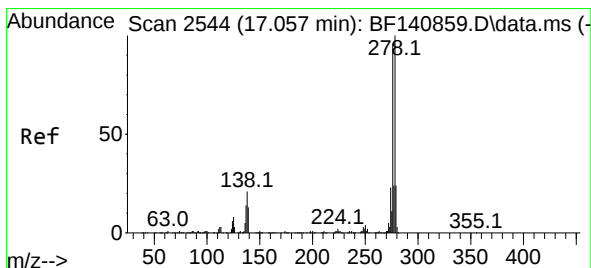
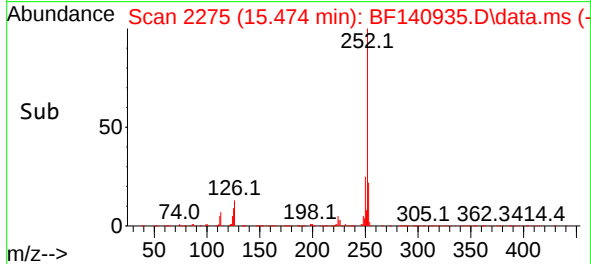
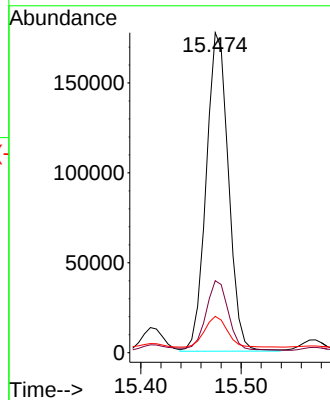
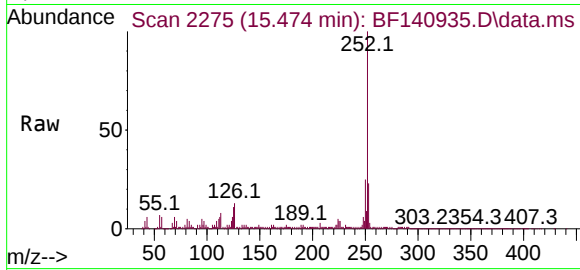
Tgt Ion:252 Resp: 273248

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 11.3 7.5 11.3#



#91

Dibenzo(a,h)anthracene

Concen: 47.624 ng

RT: 17.056 min Scan# 2544

Delta R.T. -0.000 min

Lab File: BF140935.D

Acq: 19 Dec 2024 19:08

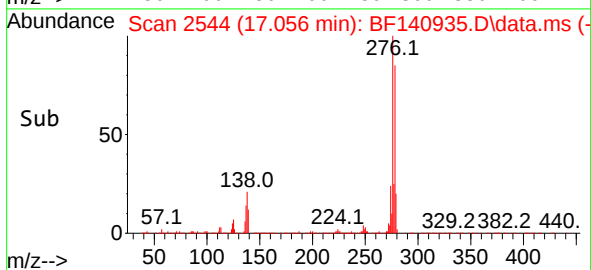
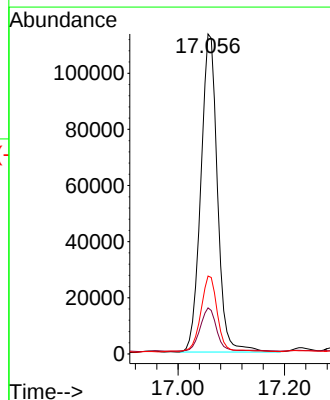
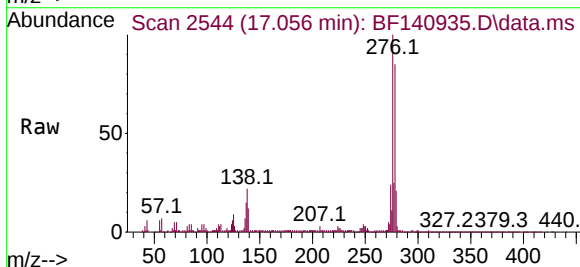
Tgt Ion:278 Resp: 245120

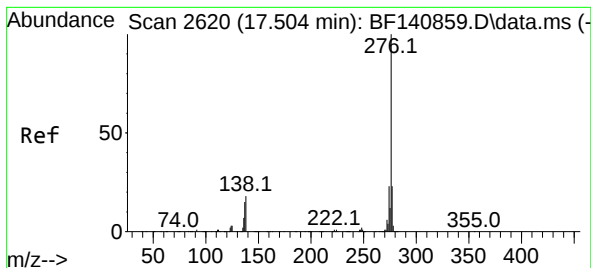
Ion Ratio Lower Upper

278 100

139 14.4 10.6 16.0

279 24.3 19.2 28.8





#92

Benzo(g,h,i)perylene

Concen: 45.578 ng

RT: 17.515 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF140935.D

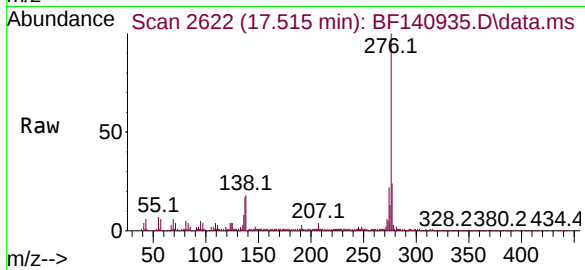
Acq: 19 Dec 2024 19:08

Instrument :

BNA\_F

ClientSampleId :

HR-04-121624MS



Tgt Ion:276 Resp: 238757

Ion Ratio Lower Upper

276 100

277 24.0 18.7 28.1

138 18.1 14.2 21.2

