

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF070925\  
 Data File : BF143061.D  
 Acq On : 09 Jul 2025 17:30  
 Operator : RC/JU  
 Sample : Q2517-01MSD  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14MSD

Quant Time: Jul 09 17:54:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF061925.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 24 05:28:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 49173    | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.157  | 136  | 178050   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.916  | 164  | 87986    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 128612   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 92445    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 117034   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 217592   | 73.673 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 259678   | 74.523 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.434  | 82   | 155950   | 48.043 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 61090    | 67.470 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 311592   | 46.522 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.986 | 244  | 224108   | 33.496 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.652  | 88   | 42915    | 36.328 | ng    | 98       |
| 3) Pyridine                   | 3.422  | 79   | 110831   | 37.424 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.375  | 42   | 61138    | 39.922 | ng    | 100      |
| 6) Aniline                    | 6.534  | 93   | 127670   | 27.536 | ng    | # 86     |
| 8) 2-Chlorophenol             | 6.657  | 128  | 133053   | 41.762 | ng    | 97       |
| 9) Benzaldehyde               | 6.422  | 77   | 87690    | 42.418 | ng    | 100      |
| 10) Phenol                    | 6.522  | 94   | 157093   | 40.558 | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 115455   | 41.706 | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 148975   | 41.810 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.887  | 146  | 149347   | 41.544 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 143888   | 42.199 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 104184   | 41.358 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 166890   | 37.523 | ng    | 88       |
| 17) 2-Methylphenol            | 7.128  | 107  | 100852   | 41.772 | ng    | 99       |
| 18) Hexachloroethane          | 7.381  | 117  | 51282    | 40.784 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 84596    | 41.743 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 127747   | 42.437 | ng    | # 88     |
| 22) Acetophenone              | 7.281  | 105  | 175702   | 44.750 | ng    | 99       |
| 24) Nitrobenzene              | 7.457  | 77   | 125370   | 42.672 | ng    | 98       |
| 25) Isophorone                | 7.692  | 82   | 218308   | 41.924 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 70614    | 44.121 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 115988m  | 41.839 | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 137119   | 41.419 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 107408   | 42.730 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 119274   | 43.152 | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 372552   | 42.747 | ng    | 99       |
| 32) Benzoic acid              | 7.939  | 122  | 18260m   | 12.923 | ng    |          |
| 33) 4-Chloroaniline           | 8.228  | 127  | 76813    | 21.675 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 73363    | 43.391 | ng    | 99       |
| 35) Caprolactam               | 8.592  | 113  | 25828    | 38.939 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 103523   | 41.439 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 229201   | 42.420 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 238515   | 42.643 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 117379   | 45.212 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 85647    | 58.134 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 66141    | 39.097 | ng    | 99       |

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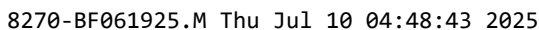
Instrument :  
 BNA\_F  
 ClientSampleId :  
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 QLast Update : Tue Jun 24 05:28:21 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 69726    | 39.153 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 308555   | 44.394 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 232029   | 44.486 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 64108    | 43.841 | ng    | 97       |
| 49) Acenaphthylene            | 9.775  | 152  | 377263   | 43.938 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 248926   | 43.707 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 55958    | 44.739 | ng    | 98       |
| 52) Acenaphthene              | 9.951  | 154  | 224582m  | 42.870 | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 40799    | 29.627 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.992  | 184  | 16701    | 26.667 | ng    | 95       |
| 55) Dibenzofuran              | 10.122 | 168  | 323306   | 43.038 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.039 | 139  | 52372    | 55.552 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 71054    | 42.768 | ng    | 95       |
| 58) Fluorene                  | 10.463 | 166  | 254958   | 43.457 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 49229    | 34.295 | ng    | 96       |
| 60) Diethylphthalate          | 10.333 | 149  | 240572   | 43.081 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 119342   | 42.628 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 51394    | 40.807 | ng    | 98       |
| 63) Azobenzene                | 10.616 | 77   | 227625   | 45.607 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 21130    | 27.162 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 211666   | 47.487 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 69611    | 47.557 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 75615    | 46.491 | ng    | 97       |
| 69) Atrazine                  | 11.098 | 200  | 56139    | 48.773 | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 36592    | 45.150 | ng    | 97       |
| 71) Phenanthrene              | 11.427 | 178  | 313167   | 44.951 | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 319487   | 44.714 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 267422   | 43.370 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 303241   | 47.208 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 273144   | 41.311 | ng    | 99       |
| 77) Benzidine                 | 12.745 | 184  | 103360   | 29.759 | ng    | 99       |
| 78) Pyrene                    | 12.851 | 202  | 269733   | 31.128 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 101642   | 40.438 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 274046   | 43.943 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 53410    | 26.404 | ng    | 97       |
| 83) Chrysene                  | 14.080 | 228  | 241689   | 43.431 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149  | 133883   | 37.021 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 259655   | 38.077 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 316533   | 35.508 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.110 | 252  | 299861   | 44.279 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.139 | 252  | 295028   | 46.565 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 294343   | 44.991 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.080 | 278  | 258572   | 35.699 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.527 | 276  | 236028   | 32.679 | ng    | 98       |

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

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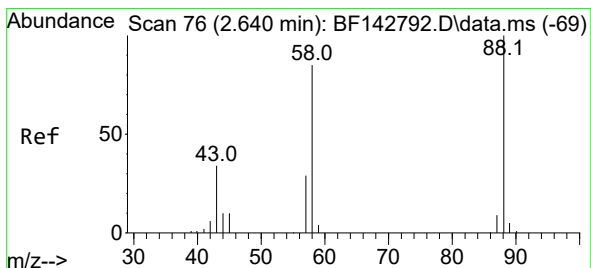
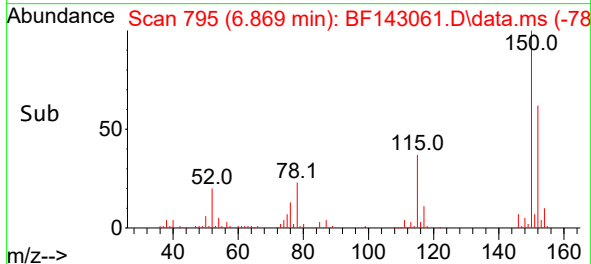
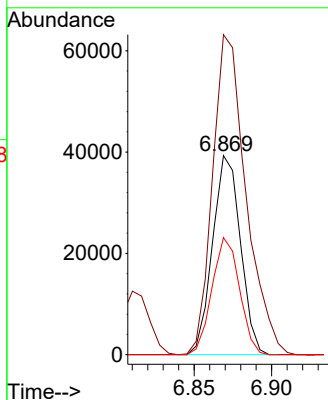
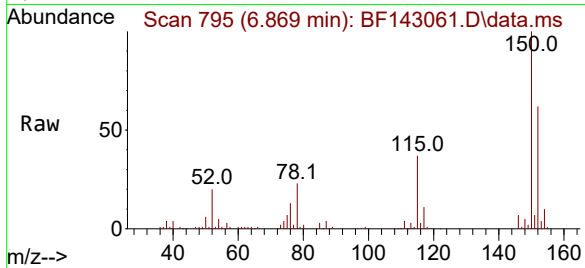




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.869 min Scan# 79  
 Delta R.T. -0.012 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

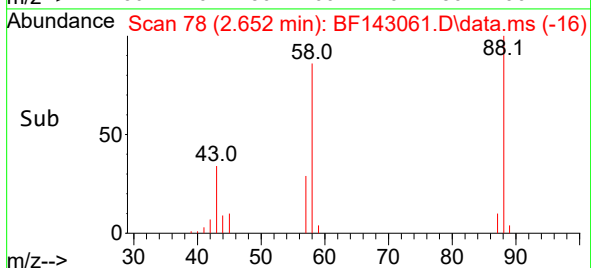
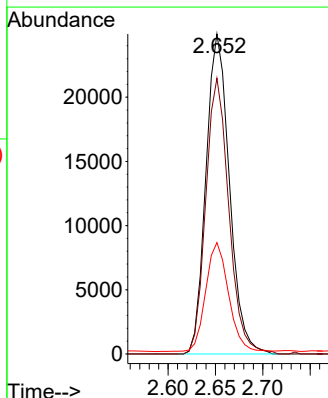
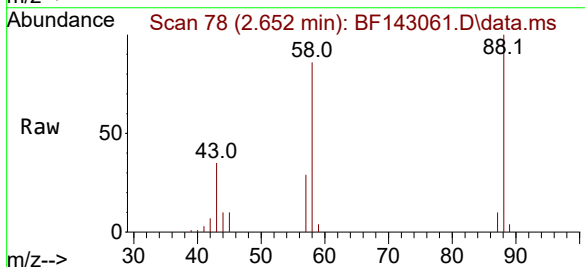
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14MSD

Tgt Ion:152 Resp: 49173  
 Ion Ratio Lower Upper  
 152 100  
 150 160.8 127.2 190.8  
 115 58.9 46.6 69.8



#2  
 1,4-Dioxane  
 Concen: 36.328 ng  
 RT: 2.652 min Scan# 78  
 Delta R.T. 0.012 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

Tgt Ion: 88 Resp: 42915  
 Ion Ratio Lower Upper  
 88 100  
 58 84.8 69.1 103.7  
 43 32.8 27.4 41.2

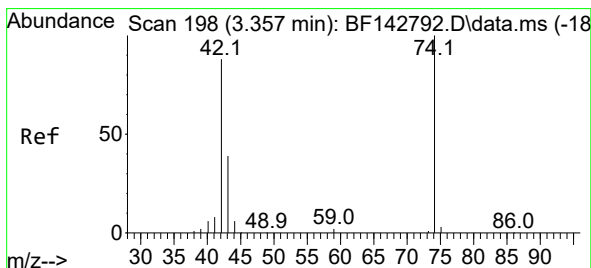
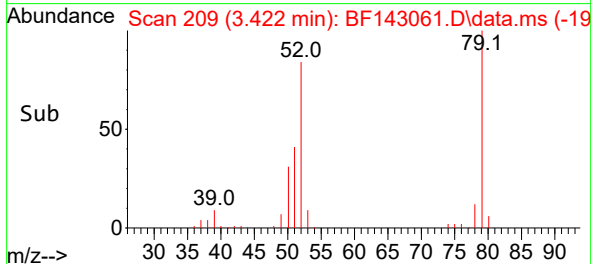
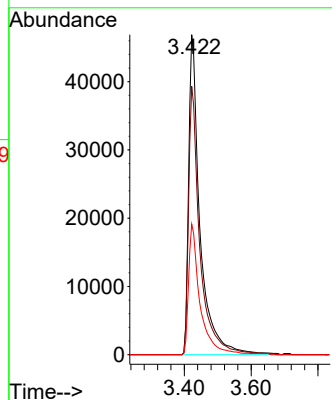
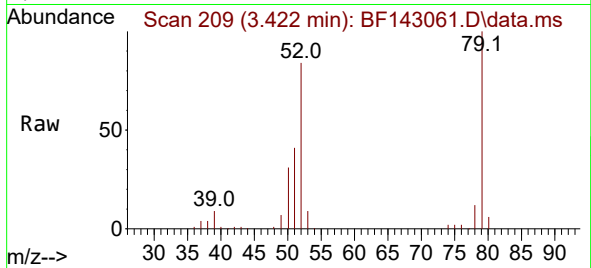




#3  
Pyridine  
Concen: 37.424 ng  
RT: 3.422 min Scan# 20  
Delta R.T. 0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

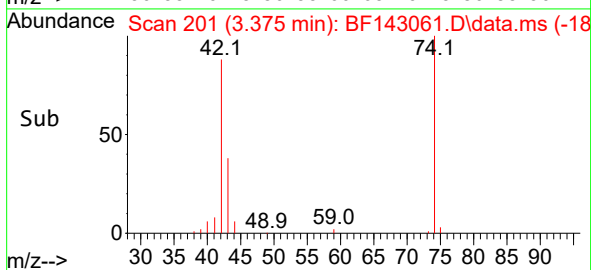
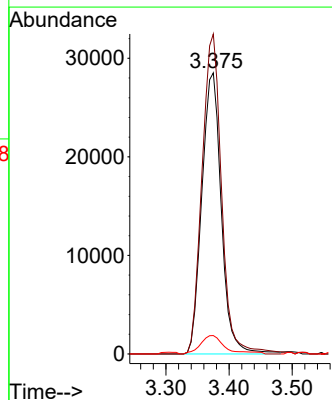
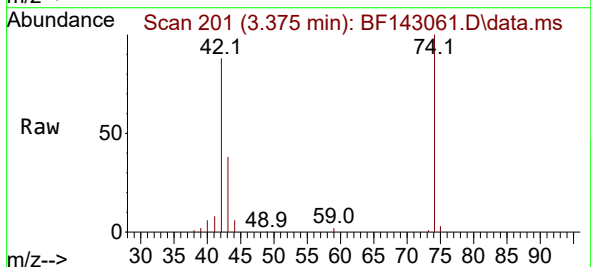
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion: 79 Resp: 110831  
Ion Ratio Lower Upper  
79 100  
52 83.9 69.2 103.8  
51 40.8 33.2 49.8



#4  
n-Nitrosodimethylamine  
Concen: 39.922 ng  
RT: 3.375 min Scan# 201  
Delta R.T. 0.018 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion: 42 Resp: 61138  
Ion Ratio Lower Upper  
42 100  
74 113.8 90.9 136.3  
44 6.6 5.8 8.6

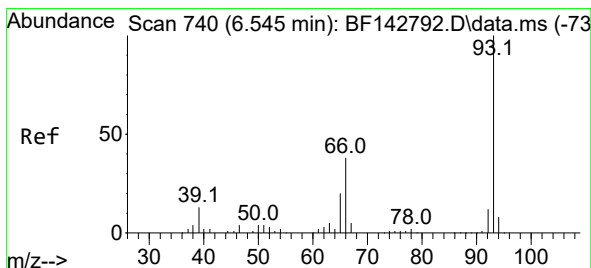
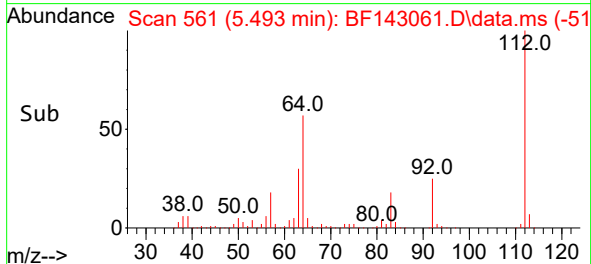
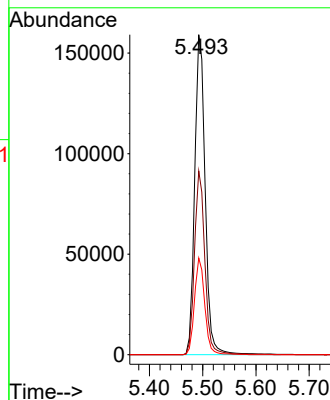
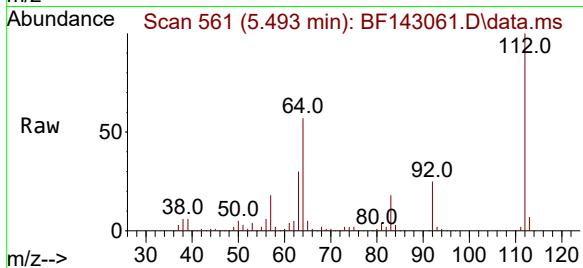




#5  
2-Fluorophenol  
Concen: 73.673 ng  
RT: 5.493 min Scan# 501  
Delta R.T. 0.001 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

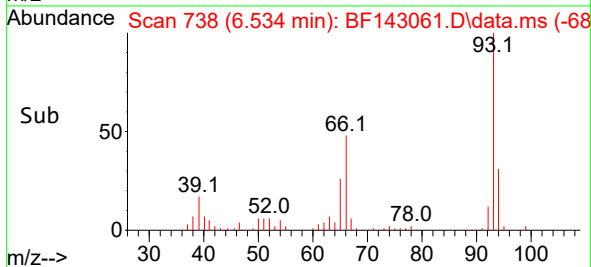
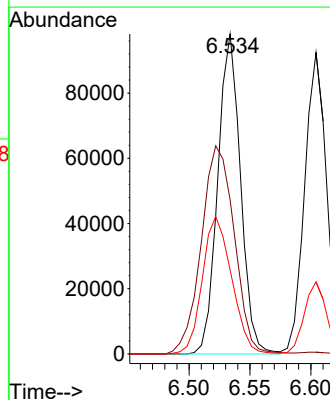
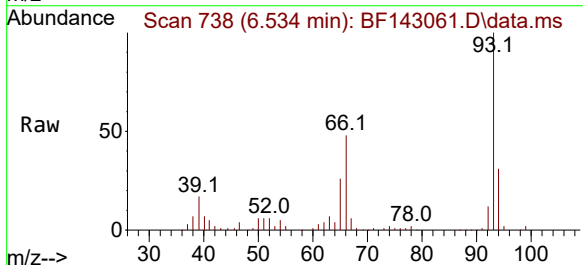
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BNA\_F  
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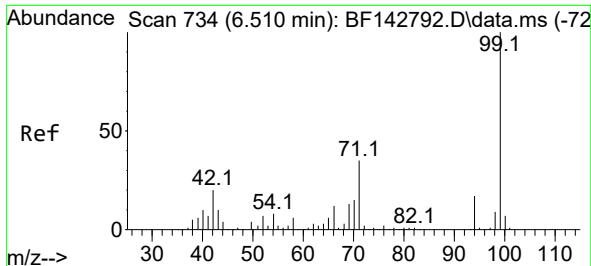
Tgt Ion:112 Resp: 217592  
Ion Ratio Lower Upper  
112 100  
64 57.4 48.2 72.2  
63 30.2 25.7 38.5



#6  
Aniline  
Concen: 27.536 ng  
RT: 6.534 min Scan# 738  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
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Tgt Ion: 93 Resp: 127670  
Ion Ratio Lower Upper  
93 100  
66 48.2 31.8 47.6#  
65 26.2 16.2 24.2#

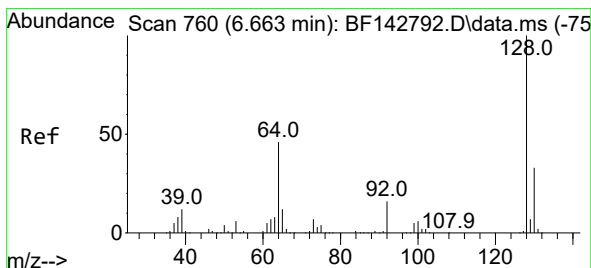
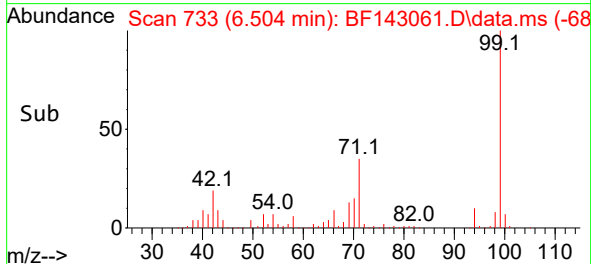
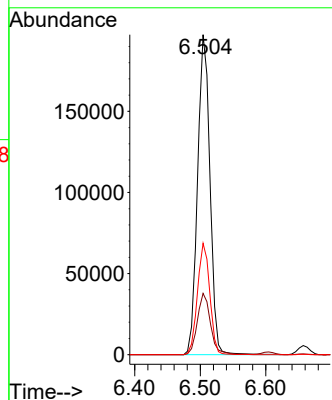
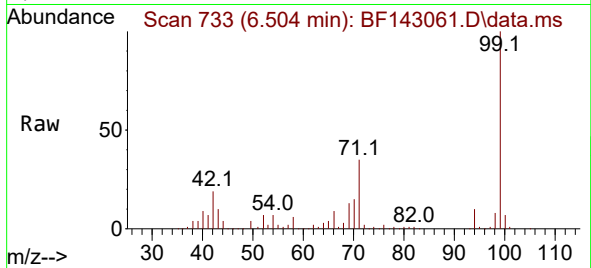




#7  
Phenol-d6  
Concen: 74.523 ng  
RT: 6.504 min Scan# 711  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

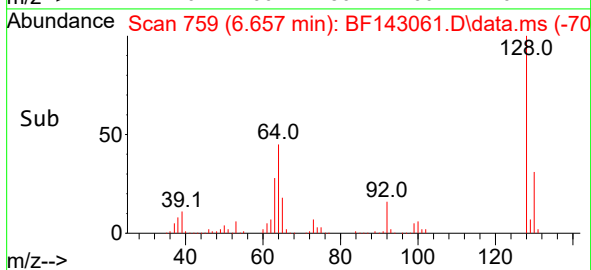
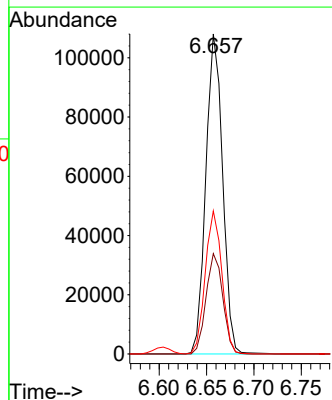
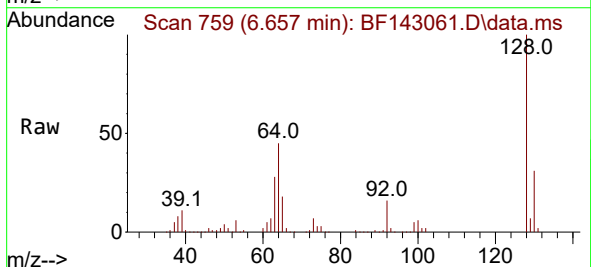
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BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion: 99 Resp: 259678  
Ion Ratio Lower Upper  
99 100  
42 19.1 15.9 23.9  
71 34.8 27.8 41.8



#8  
2-Chlorophenol  
Concen: 41.762 ng  
RT: 6.657 min Scan# 759  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:128 Resp: 133053  
Ion Ratio Lower Upper  
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130 31.3 12.7 52.7  
64 44.7 26.5 66.5

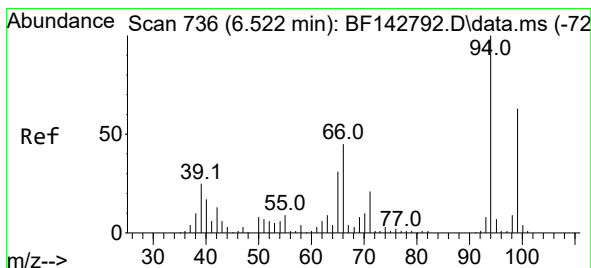
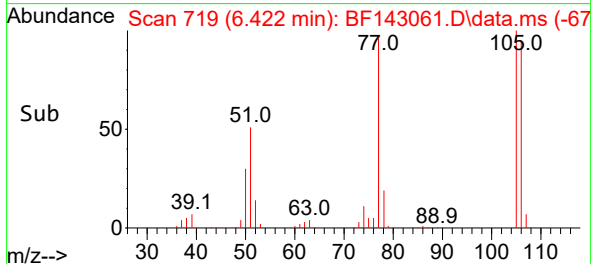
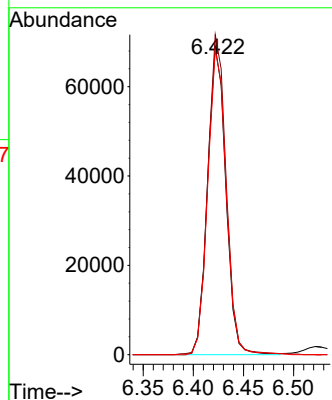
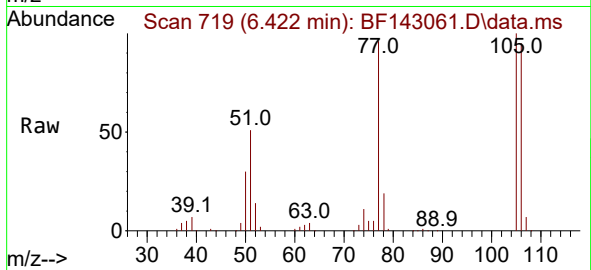




#9  
Benzaldehyde  
Concen: 42.418 ng  
RT: 6.422 min Scan# 719  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

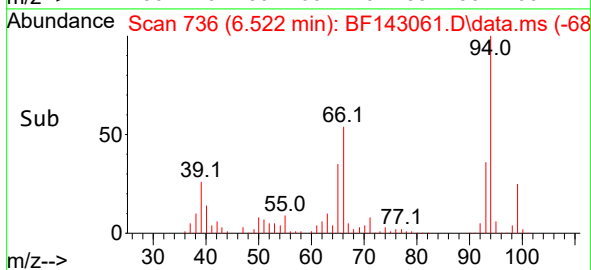
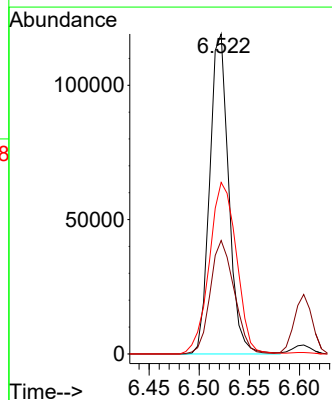
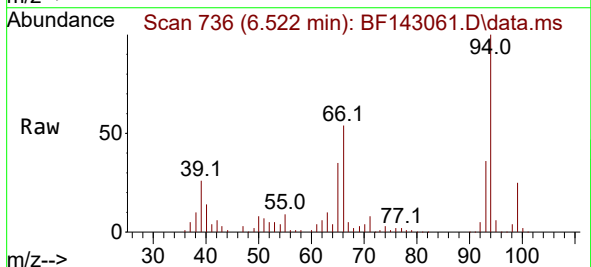
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion: 77 Resp: 87690  
Ion Ratio Lower Upper  
77 100  
105 103.7 83.8 123.8  
106 98.8 78.7 118.7



#10  
Phenol  
Concen: 40.558 ng  
RT: 6.522 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion: 94 Resp: 157093  
Ion Ratio Lower Upper  
94 100  
65 35.4 11.3 51.3  
66 53.6 24.9 64.9

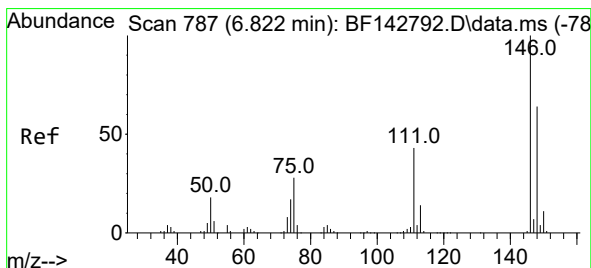
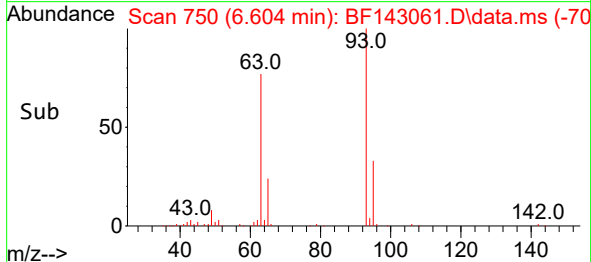
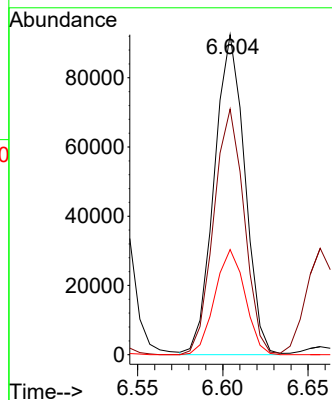
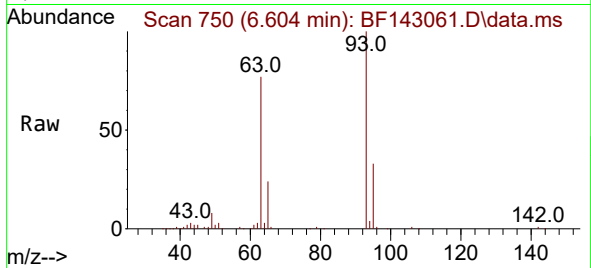




#11  
bis(2-Chloroethyl)ether  
Concen: 41.706 ng  
RT: 6.604 min Scan# 750  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

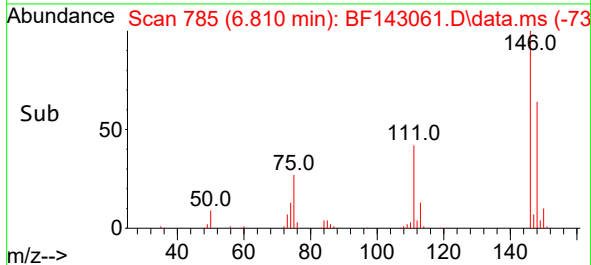
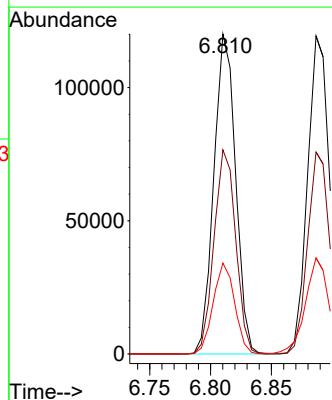
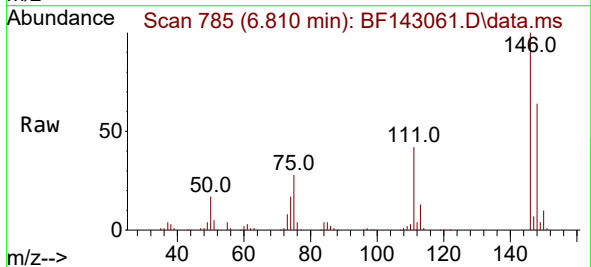
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion: 93 Resp: 115455  
Ion Ratio Lower Upper  
93 100  
63 76.7 60.3 100.3  
95 32.9 12.5 52.5



#12  
1,3-Dichlorobenzene  
Concen: 41.810 ng  
RT: 6.810 min Scan# 785  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:146 Resp: 148975  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.1 76.7  
75 28.4 22.7 34.1





#13

1,4-Dichlorobenzene

Concen: 41.544 ng

RT: 6.887 min Scan# 79

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

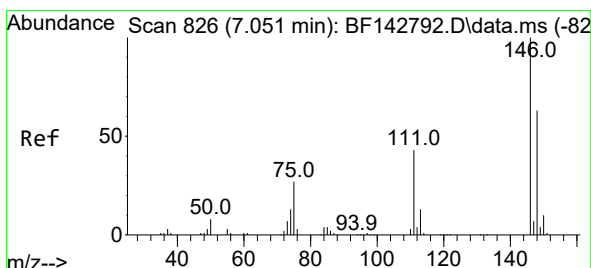
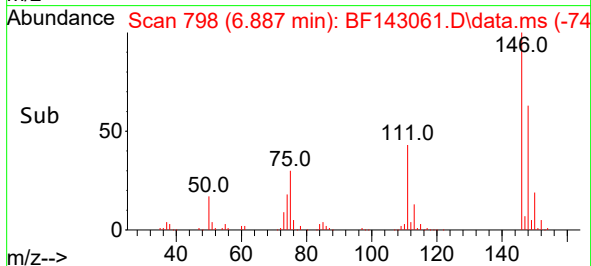
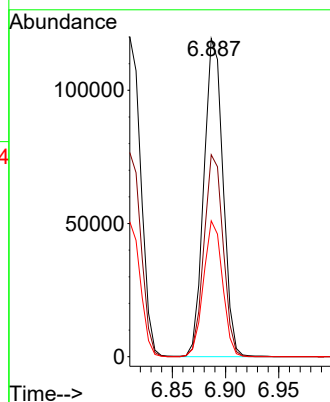
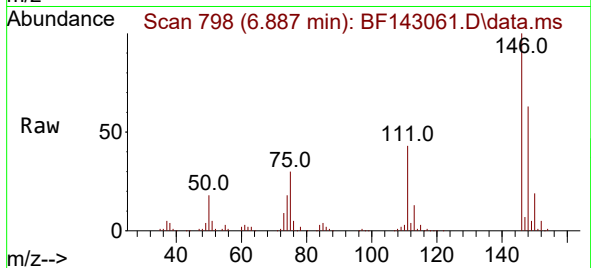
Tgt Ion:146 Resp: 149347

Ion Ratio Lower Upper

146 100

148 63.5 50.2 75.2

111 42.7 33.2 49.8



#14

1,2-Dichlorobenzene

Concen: 42.199 ng

RT: 7.039 min Scan# 824

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

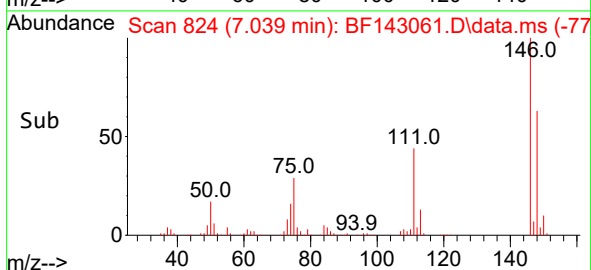
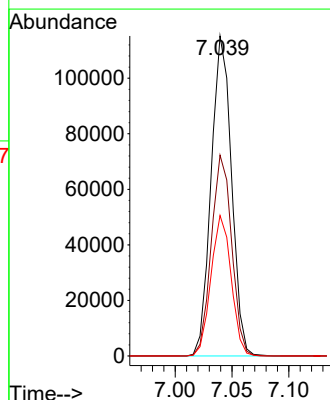
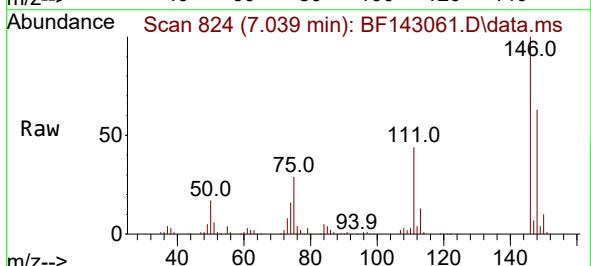
Tgt Ion:146 Resp: 143888

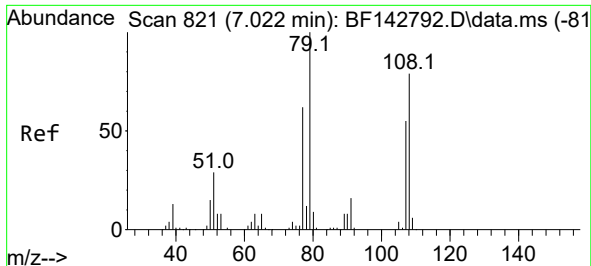
Ion Ratio Lower Upper

146 100

148 62.7 50.4 75.6

111 43.9 34.1 51.1

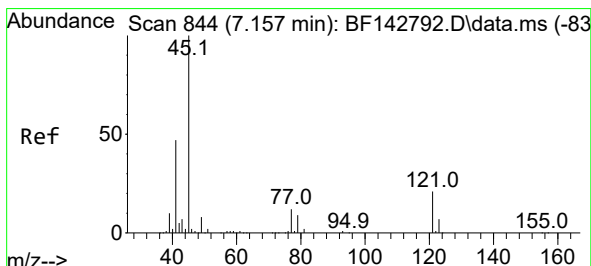
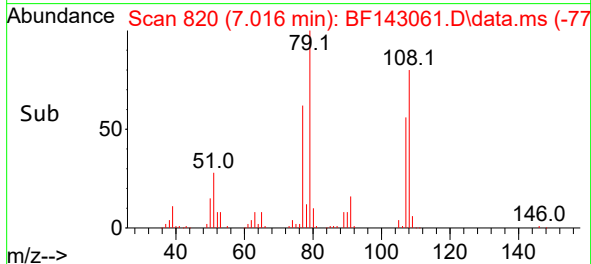
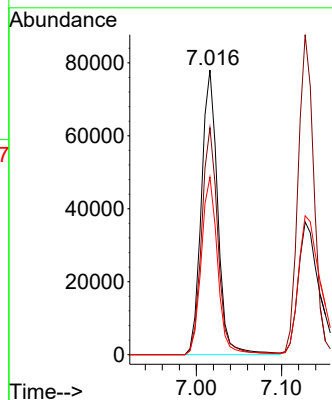
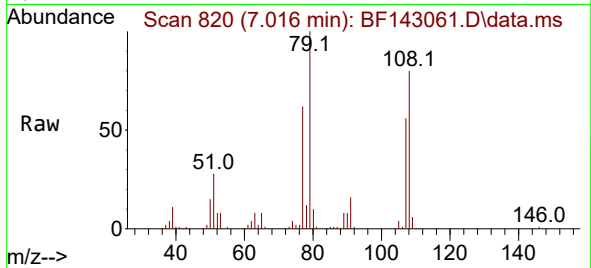




#15  
Benzyl Alcohol  
Concen: 41.358 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

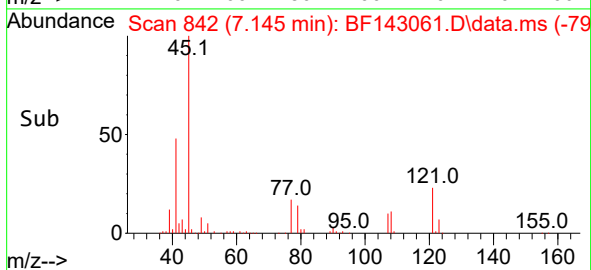
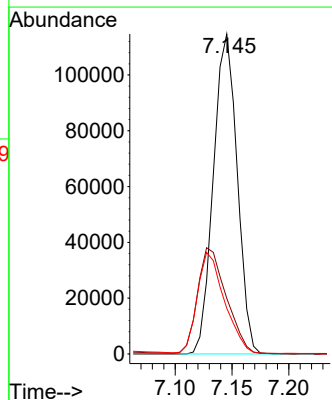
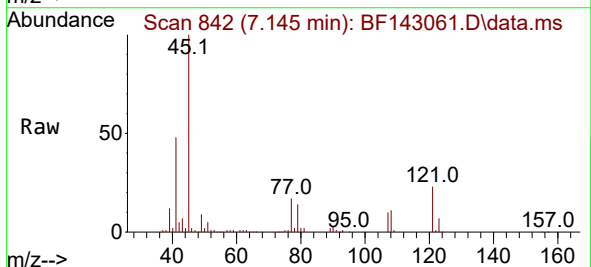
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

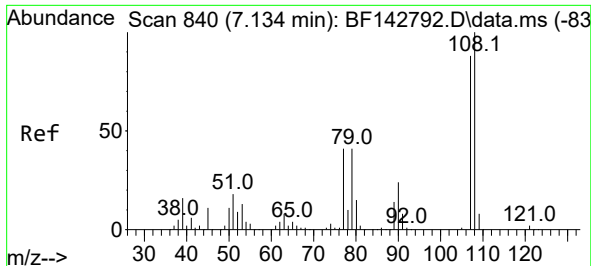
Tgt Ion: 79 Resp: 104184  
Ion Ratio Lower Upper  
79 100  
108 79.7 63.4 95.0  
77 62.4 49.5 74.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.523 ng  
RT: 7.145 min Scan# 842  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion: 45 Resp: 166890  
Ion Ratio Lower Upper  
45 100  
77 17.4 0.0 32.8  
79 14.3 0.0 29.8

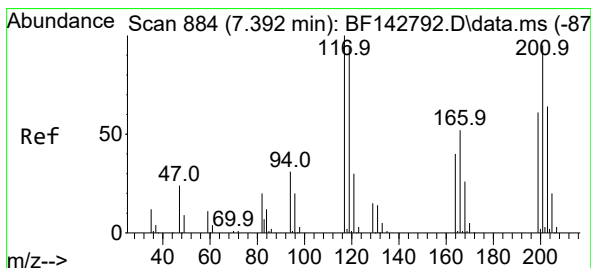
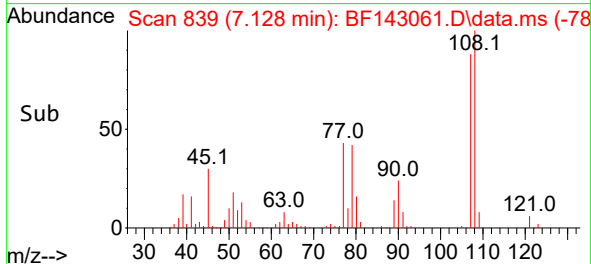
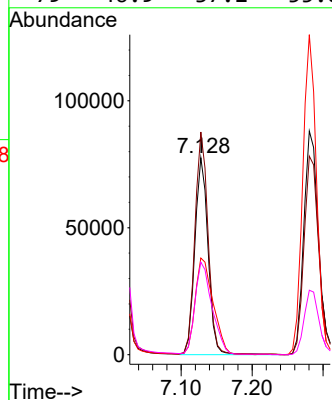
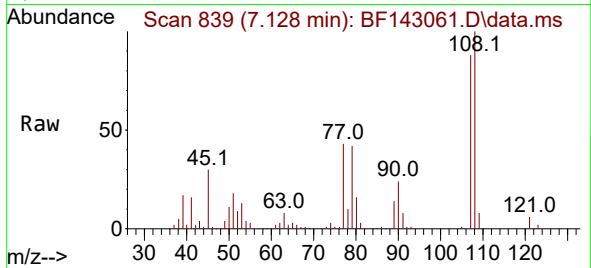




#17  
2-Methylphenol  
Concen: 41.772 ng  
RT: 7.128 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

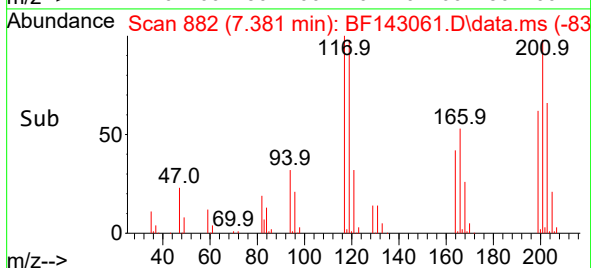
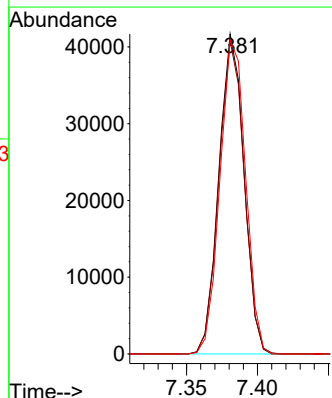
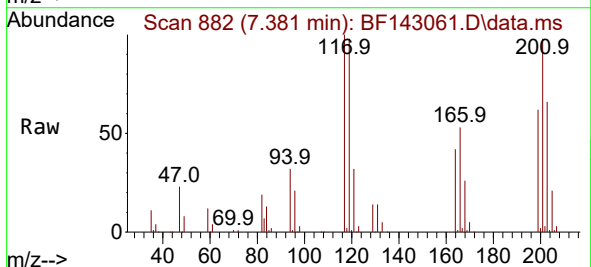
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion:107 Resp: 100852  
Ion Ratio Lower Upper  
107 100  
108 113.1 90.9 136.3  
77 49.1 37.3 55.9  
79 46.9 37.2 55.8



#18  
Hexachloroethane  
Concen: 40.784 ng  
RT: 7.381 min Scan# 882  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:117 Resp: 51282  
Ion Ratio Lower Upper  
117 100  
119 97.8 75.4 113.0  
201 98.1 75.9 113.9

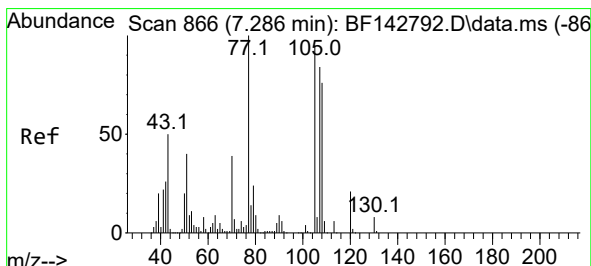
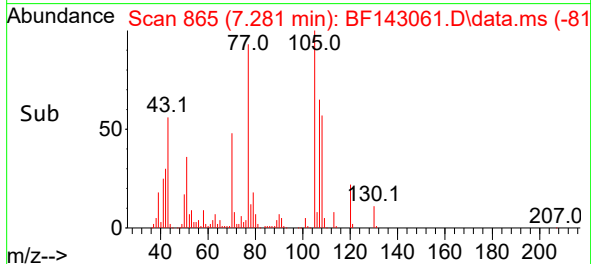
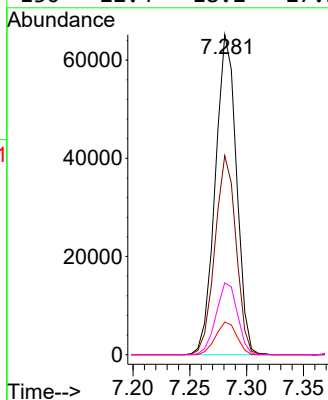
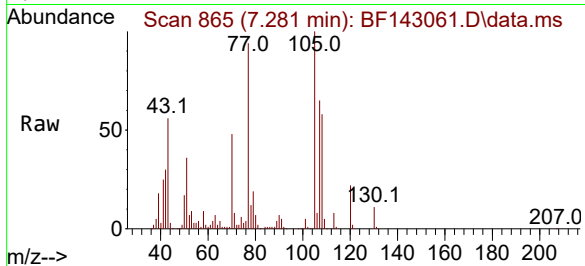




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.743 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

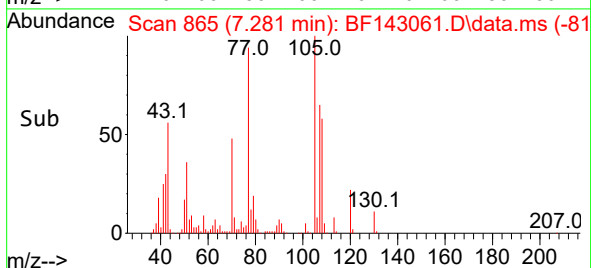
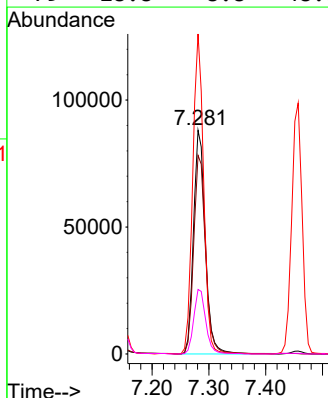
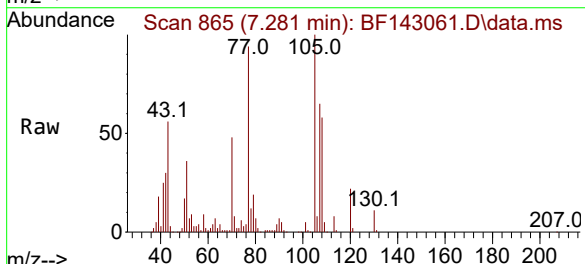
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 84596 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 62.2  | 52.1  | 78.1  |
| 101      | 10.2  | 8.2   | 12.2  |
| 130      | 22.4  | 18.2  | 27.2  |



#20  
3+4-Methylphenols  
Concen: 42.437 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 127747 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.7  | 70.0  | 110.0  |
| 77       | 143.0 | 98.5  | 138.5# |
| 79       | 28.8  | 8.8   | 48.8   |

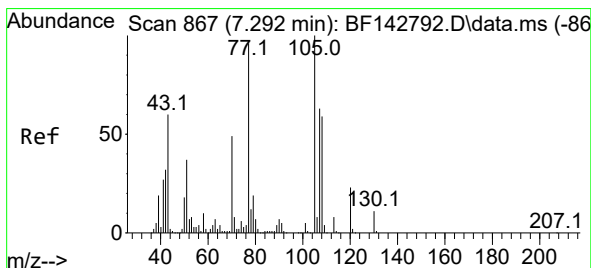
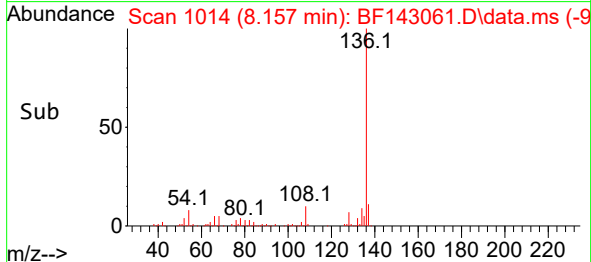
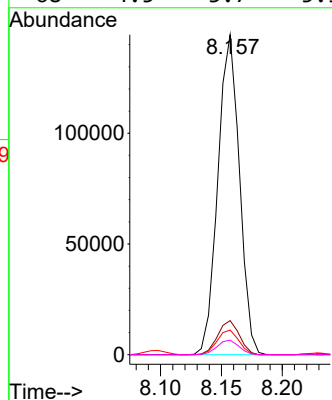
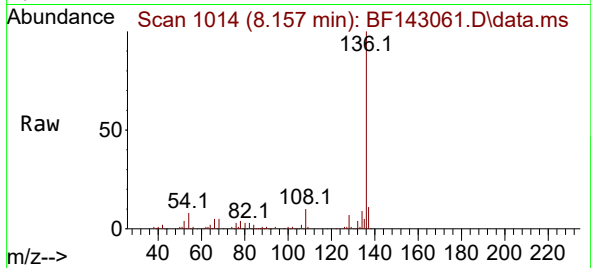




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1014  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

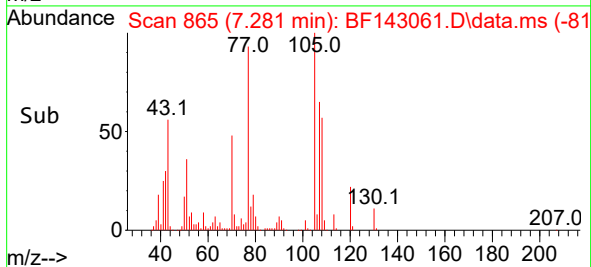
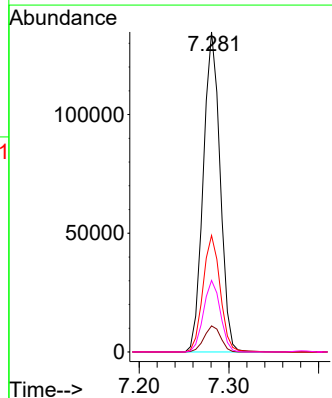
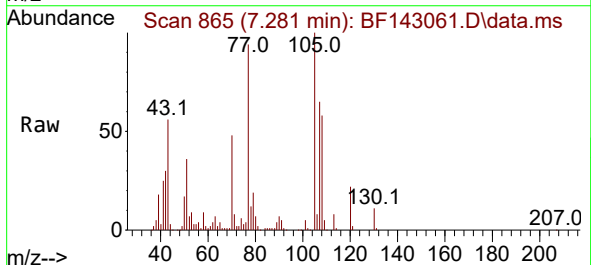
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

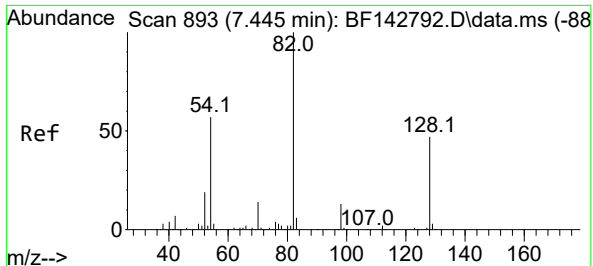
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 178050 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.7    | 8.4 12.6     |
| 54 7.7      | 6.3 9.5      |
| 68 4.5      | 3.7 5.5      |



#22  
Acetophenone  
Concen: 44.750 ng  
RT: 7.281 min Scan# 865  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 175702 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 8.2     | 6.5   | 9.7    |
| 51  | 36.4    | 29.8  | 44.8   |
| 120 | 22.4    | 18.2  | 27.2   |





#23

Nitrobenzene-d5

Concen: 48.043 ng

RT: 7.434 min Scan# 891

Delta R.T. -0.011 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

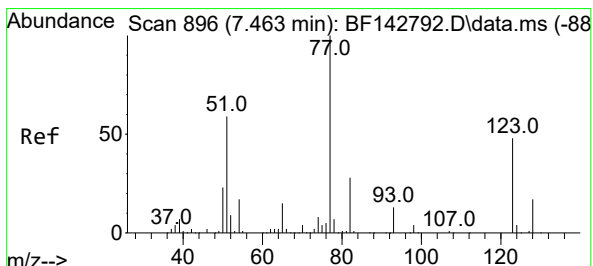
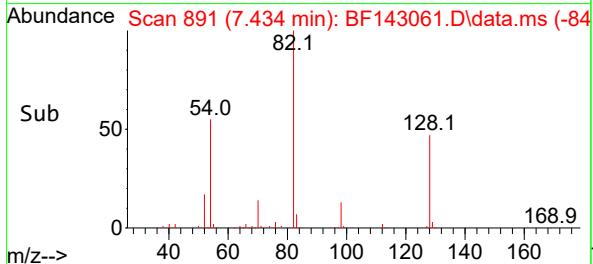
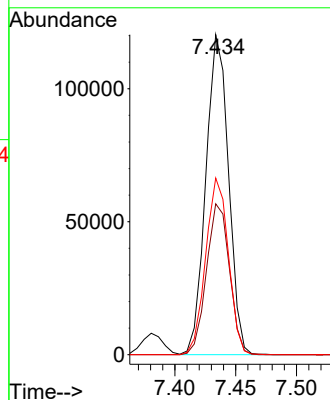
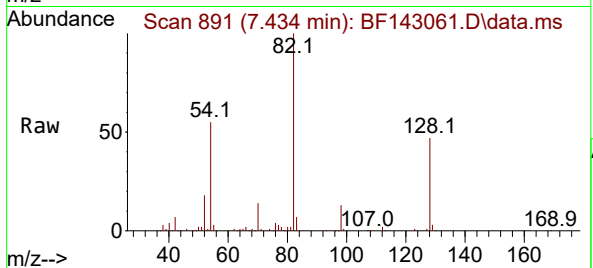
Tgt Ion: 82 Resp: 155950

Ion Ratio Lower Upper

82 100

128 47.2 37.7 56.5

54 55.2 45.7 68.5



#24

Nitrobenzene

Concen: 42.672 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

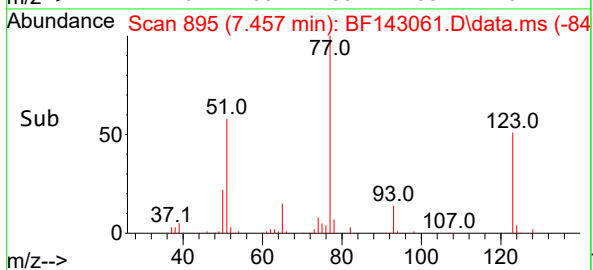
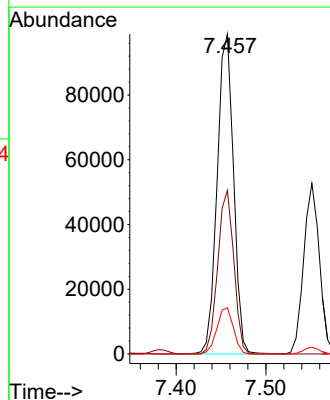
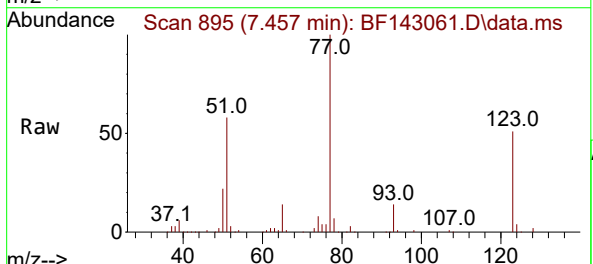
Tgt Ion: 77 Resp: 125370

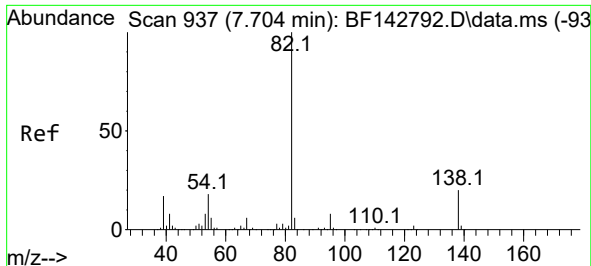
Ion Ratio Lower Upper

77 100

123 51.1 39.2 58.8

65 14.5 11.6 17.4

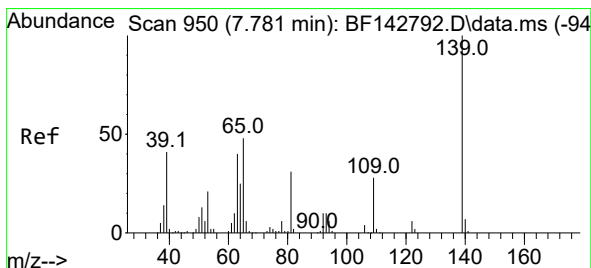
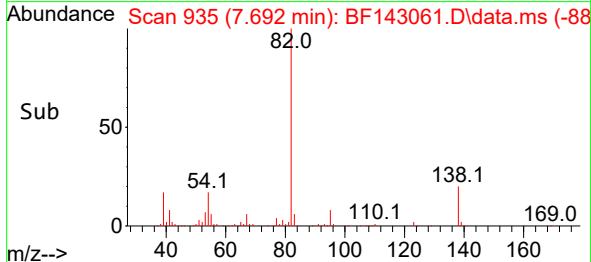
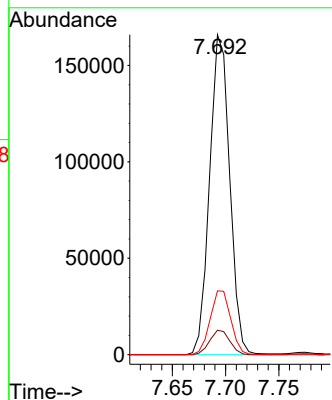
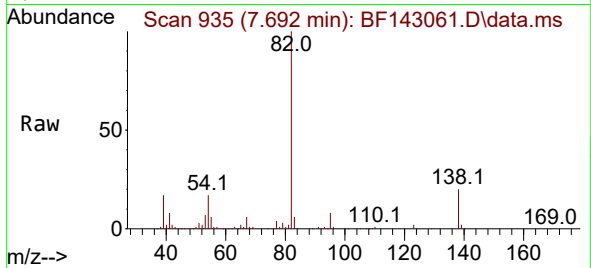




#25  
Isophorone  
Concen: 41.924 ng  
RT: 7.692 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

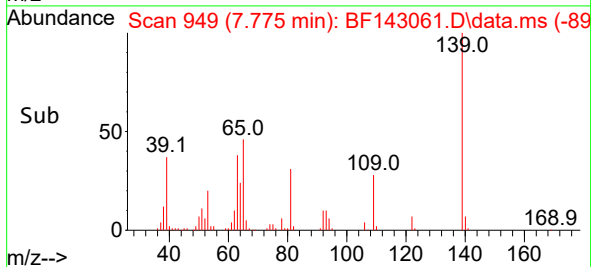
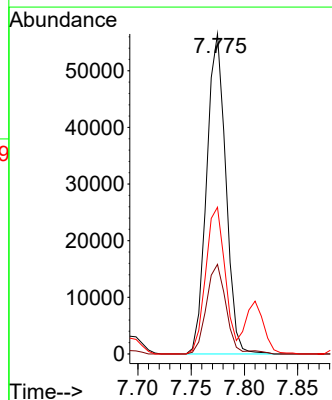
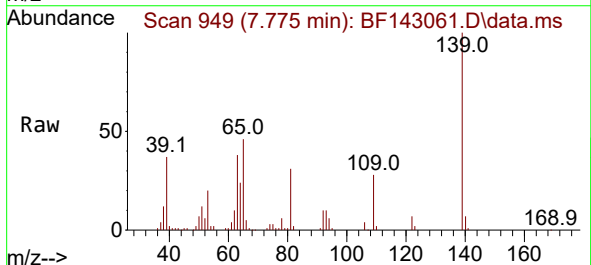
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

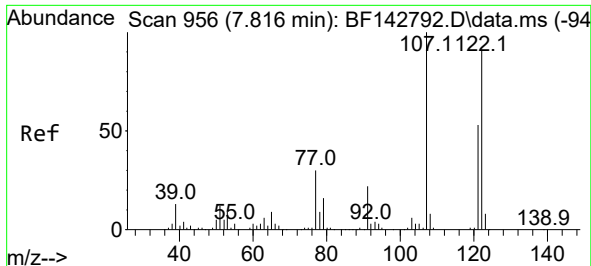
Tgt Ion: 82 Resp: 218308  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.2 9.2  
138 20.0 16.2 24.4



#26  
2-Nitrophenol  
Concen: 44.121 ng  
RT: 7.775 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:139 Resp: 70614  
Ion Ratio Lower Upper  
139 100  
109 28.0 22.7 34.1  
65 45.8 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 41.839 ng m

RT: 7.810 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

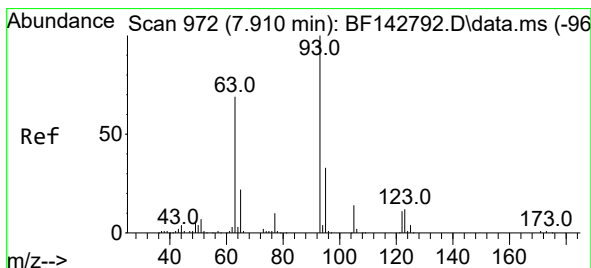
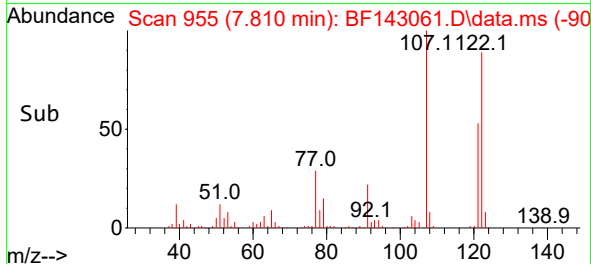
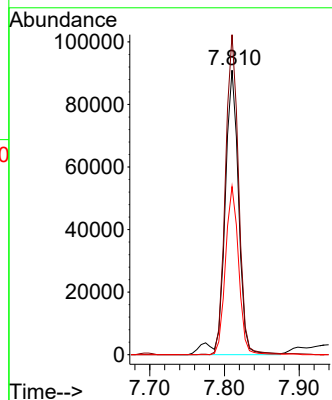
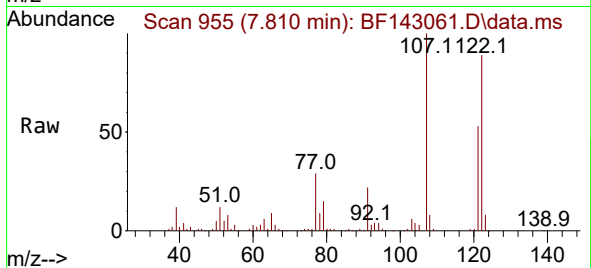
Tgt Ion:122 Resp: 115988

Ion Ratio Lower Upper

122 100

107 112.5 88.0 132.0

121 59.1 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 41.419 ng

RT: 7.904 min Scan# 971

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

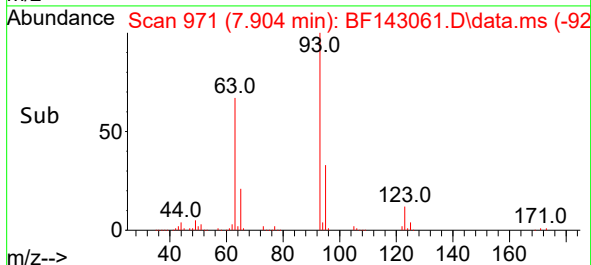
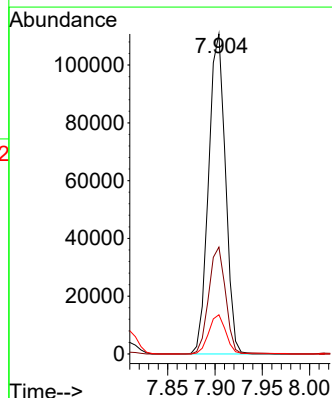
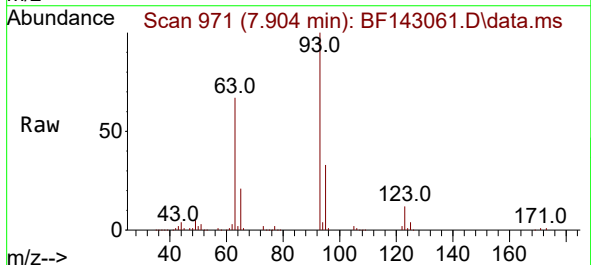
Tgt Ion: 93 Resp: 137119

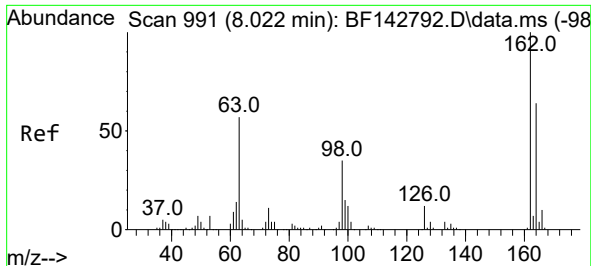
Ion Ratio Lower Upper

93 100

95 33.4 26.2 39.2

123 12.2 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 42.730 ng

RT: 8.016 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

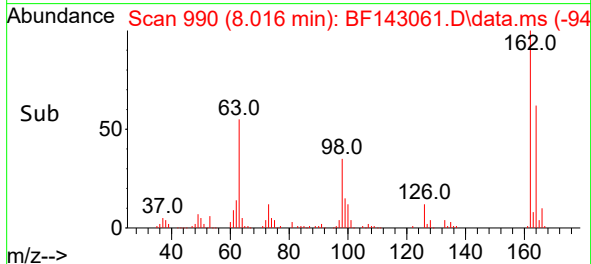
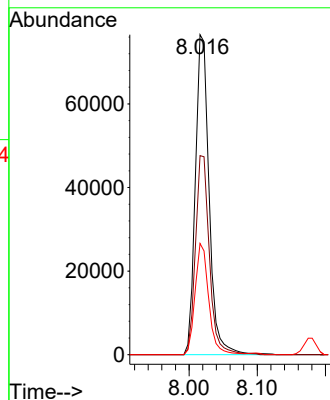
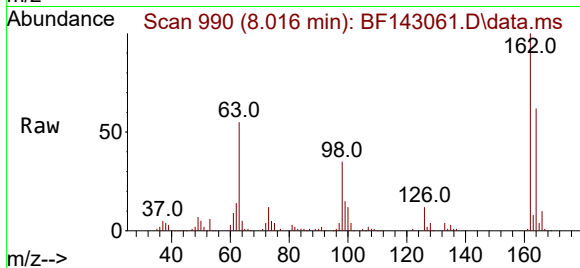
Tgt Ion:162 Resp: 107408

Ion Ratio Lower Upper

162 100

164 62.2 44.0 84.0

98 34.8 15.4 55.4



#30

1,2,4-Trichlorobenzene

Concen: 43.152 ng

RT: 8.098 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

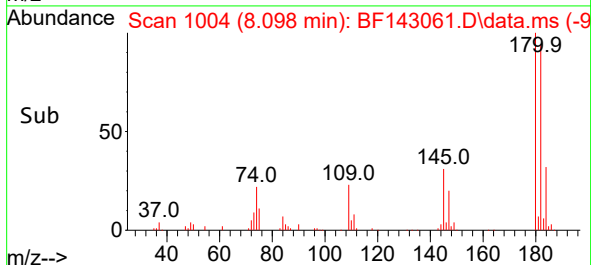
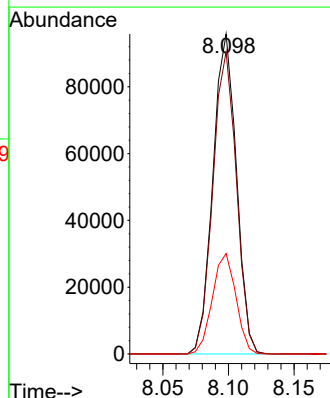
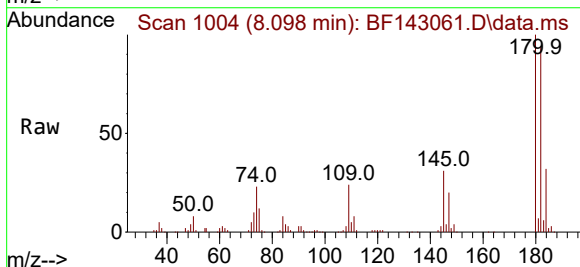
Tgt Ion:180 Resp: 119274

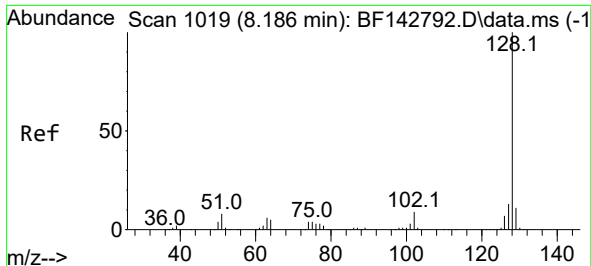
Ion Ratio Lower Upper

180 100

182 94.4 76.4 114.6

145 31.4 25.8 38.8

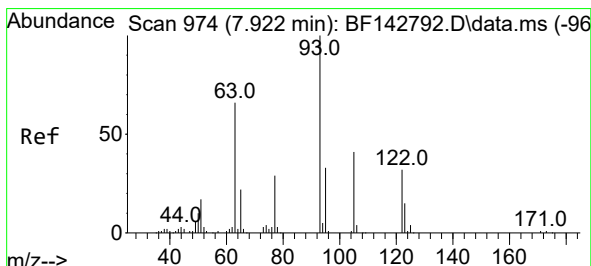
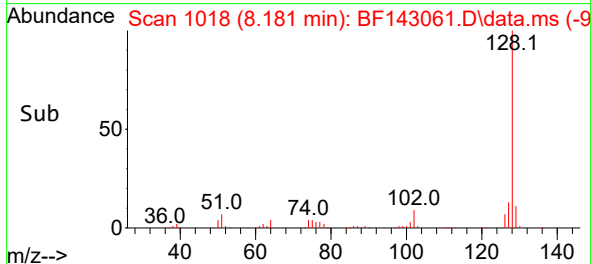
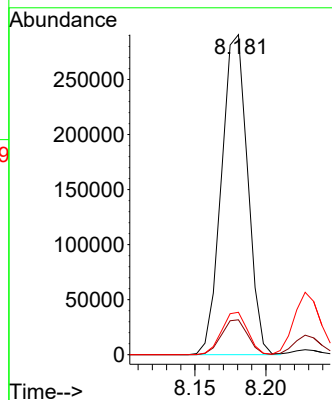
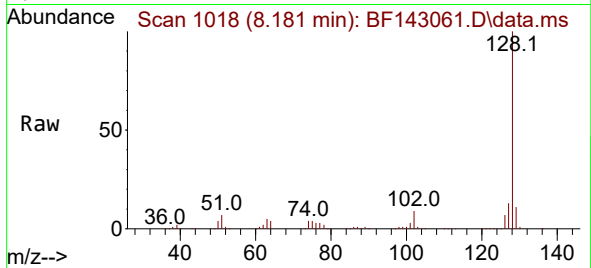




#31  
Naphthalene  
Concen: 42.747 ng  
RT: 8.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

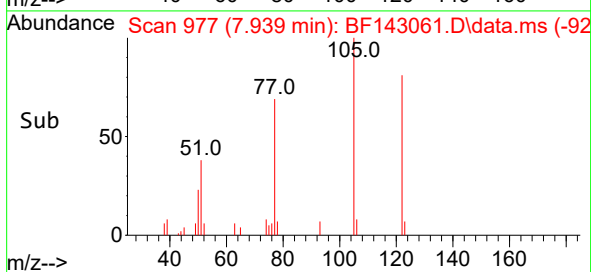
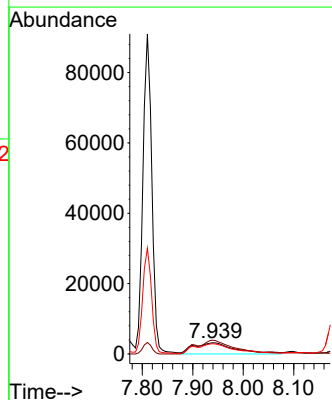
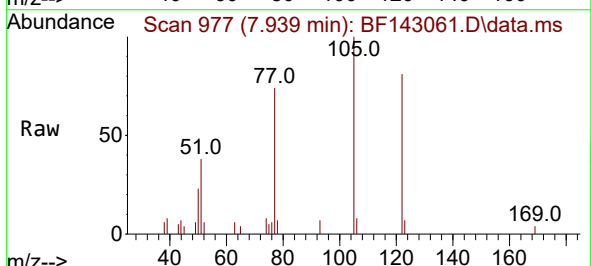
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

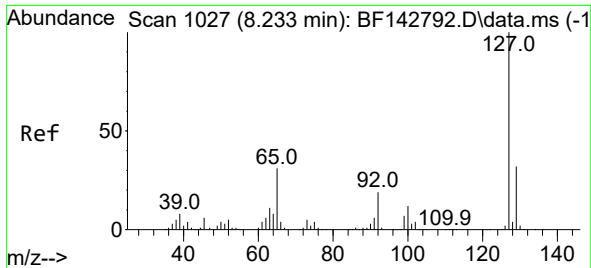
Tgt Ion:128 Resp: 372552  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 13.2 10.4 15.6



#32  
Benzoic acid  
Concen: 12.923 ng m  
RT: 7.939 min Scan# 977  
Delta R.T. 0.018 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:122 Resp: 18260  
Ion Ratio Lower Upper  
122 100  
105 123.3 104.7 144.7  
77 90.9 70.2 110.2

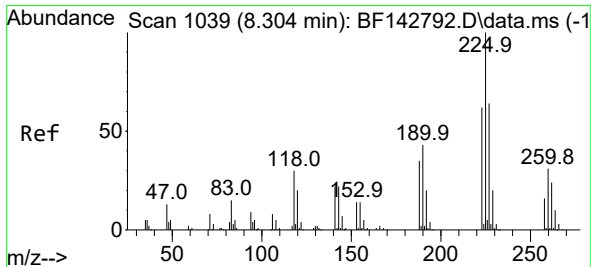
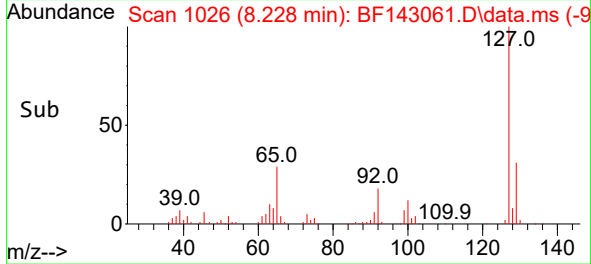
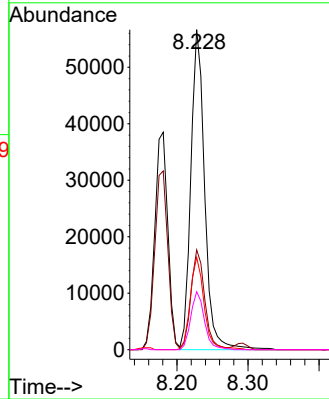
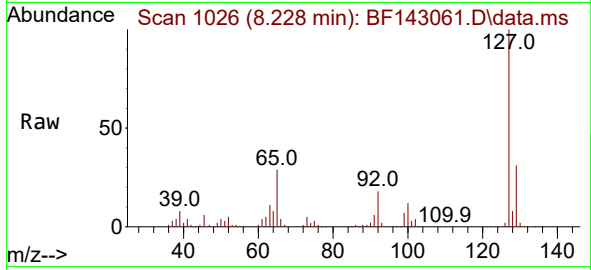




#33  
4-Chloroaniline  
Concen: 21.675 ng  
RT: 8.228 min Scan# 1026  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

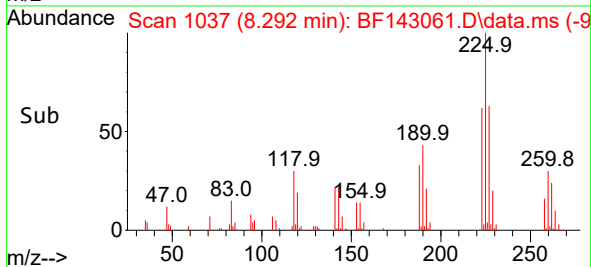
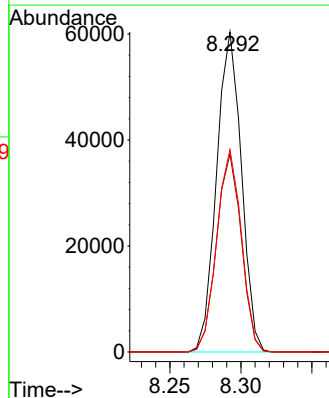
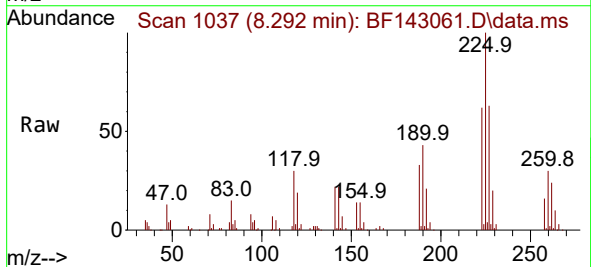
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

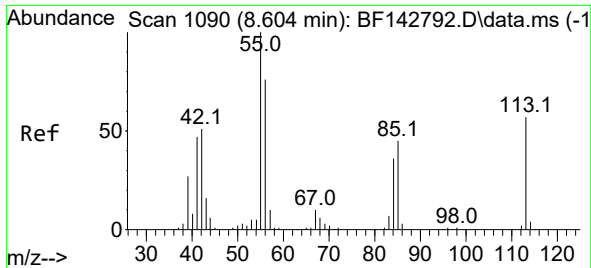
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:127 | Resp: | 76813     |
| Ion Ratio   | Lower | Upper     |
| 127         | 100   |           |
| 129         | 31.2  | 25.9 38.9 |
| 65          | 28.8  | 24.6 36.8 |
| 92          | 18.1  | 15.4 23.0 |



#34  
Hexachlorobutadiene  
Concen: 43.391 ng  
RT: 8.292 min Scan# 1037  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 73363     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 61.8  | 49.9 74.9 |
| 227         | 63.2  | 51.4 77.0 |

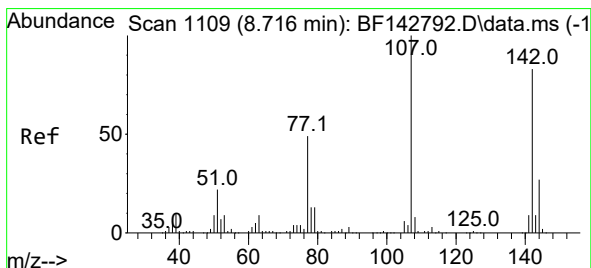
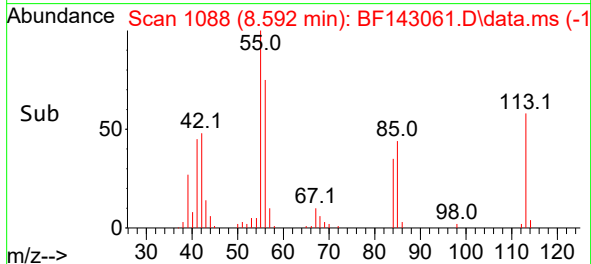
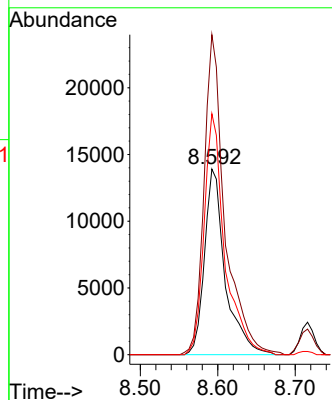
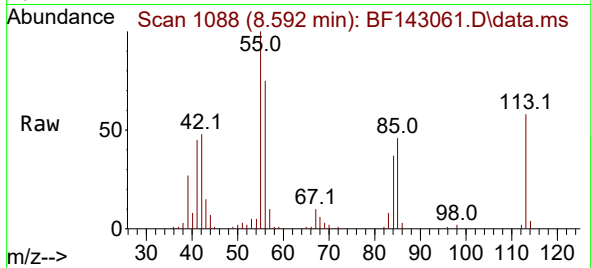




#35  
 Caprolactam  
 Concen: 38.939 ng  
 RT: 8.592 min Scan# 1088  
 Delta R.T. -0.012 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

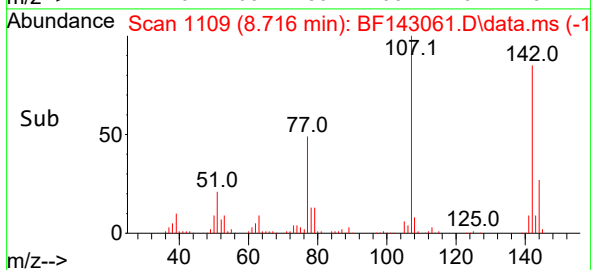
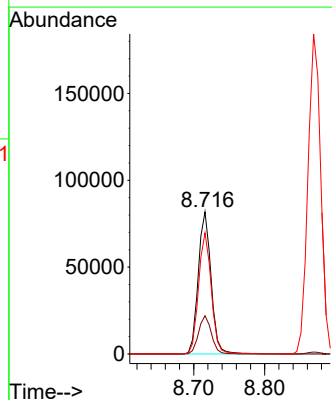
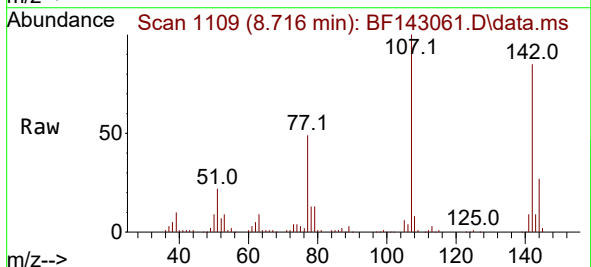
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14MSD

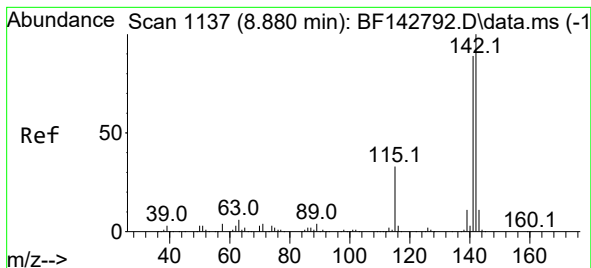
Tgt Ion:113 Resp: 25828  
 Ion Ratio Lower Upper  
 113 100  
 55 172.4 154.4 194.4  
 56 129.8 112.1 152.1



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.439 ng  
 RT: 8.716 min Scan# 1109  
 Delta R.T. 0.000 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

Tgt Ion:107 Resp: 103523  
 Ion Ratio Lower Upper  
 107 100  
 144 27.0 21.3 31.9  
 142 85.3 66.6 100.0





#37

2-Methylnaphthalene

Concen: 42.420 ng

RT: 8.869 min Scan# 1135

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

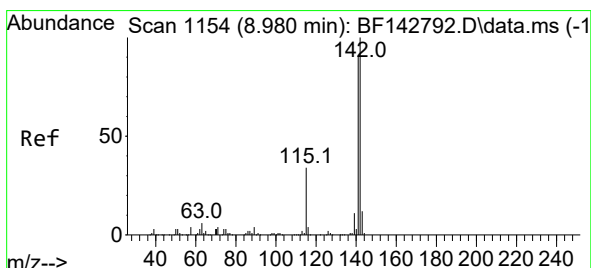
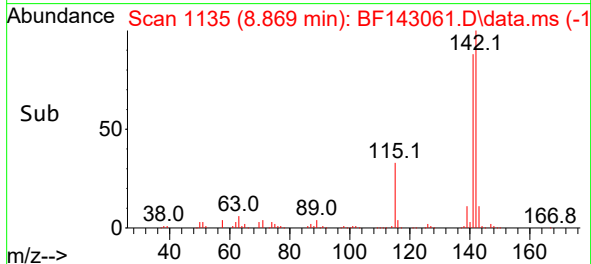
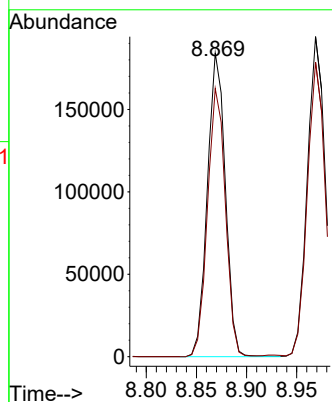
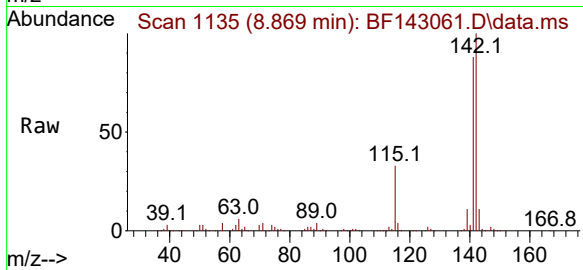
TP-14MSD

Tgt Ion:142 Resp: 229201

Ion Ratio Lower Upper

142 100

141 88.3 70.9 106.3



#38

1-Methylnaphthalene

Concen: 42.643 ng

RT: 8.969 min Scan# 1152

Delta R.T. -0.012 min

Lab File: BF143061.D

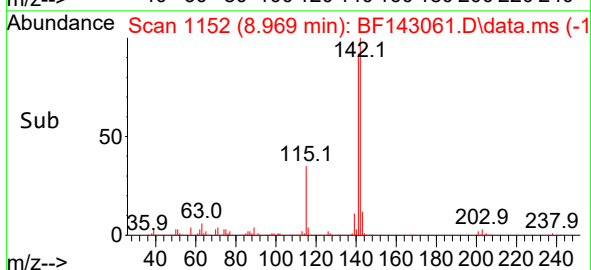
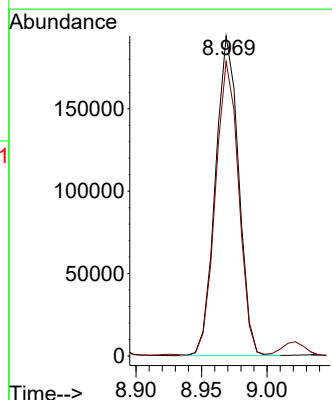
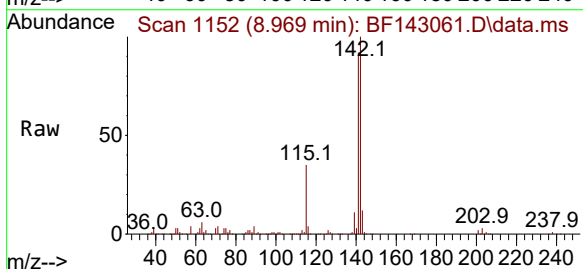
Acq: 09 Jul 2025 17:30

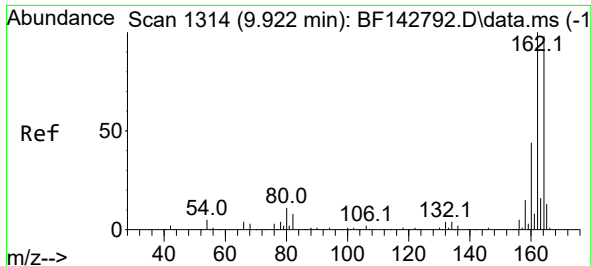
Tgt Ion:142 Resp: 238515

Ion Ratio Lower Upper

142 100

141 92.1 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1113

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

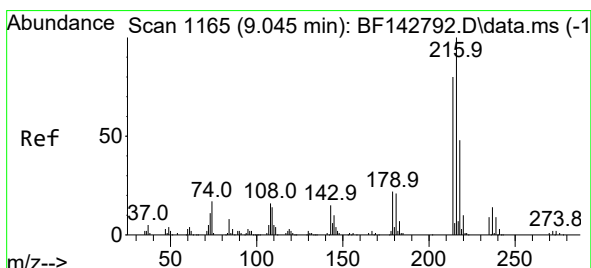
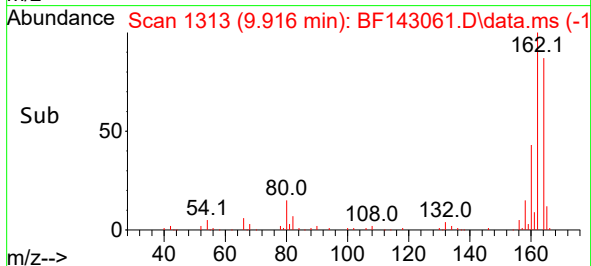
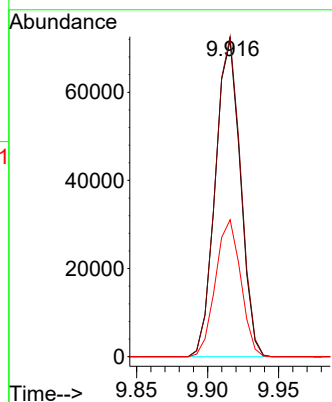
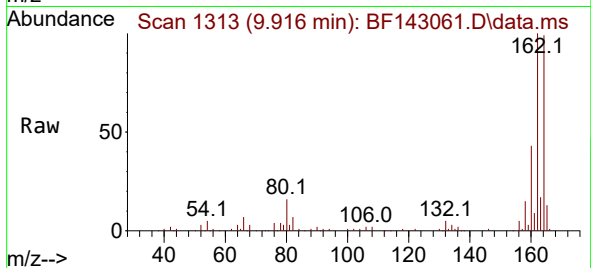
Tgt Ion:164 Resp: 87986

Ion Ratio Lower Upper

164 100

162 101.2 81.8 122.8

160 43.3 36.0 54.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.212 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Tgt Ion:216 Resp: 117379

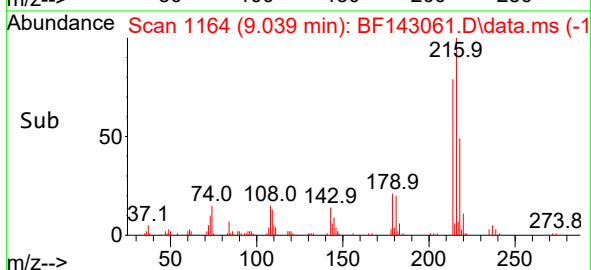
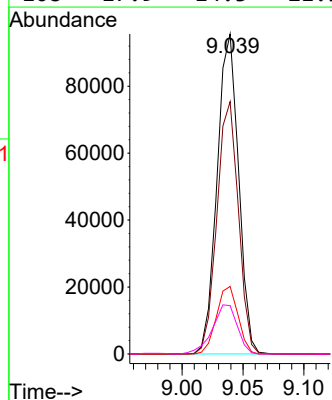
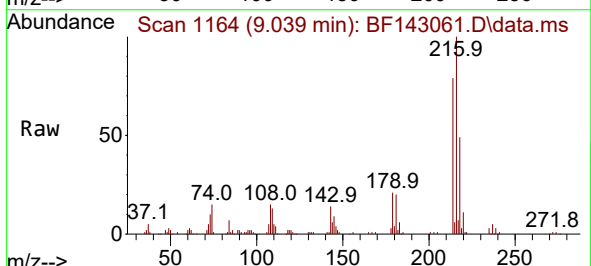
Ion Ratio Lower Upper

216 100

214 78.7 63.7 95.5

179 21.2 17.6 26.4

108 17.9 14.3 21.5

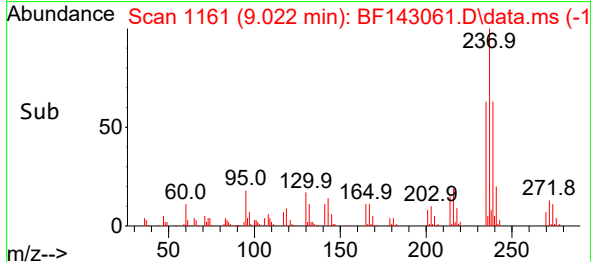
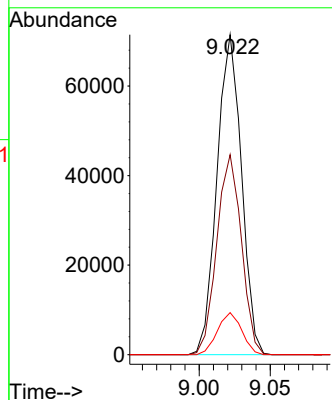
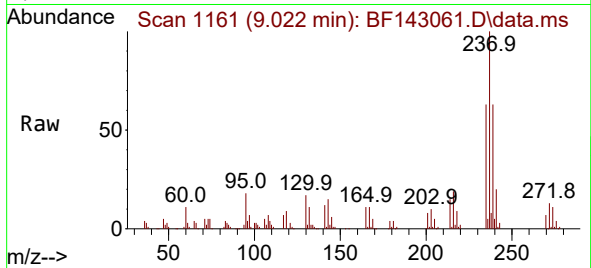




#41  
Hexachlorocyclopentadiene  
Concen: 58.134 ng  
RT: 9.022 min Scan# 1161  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

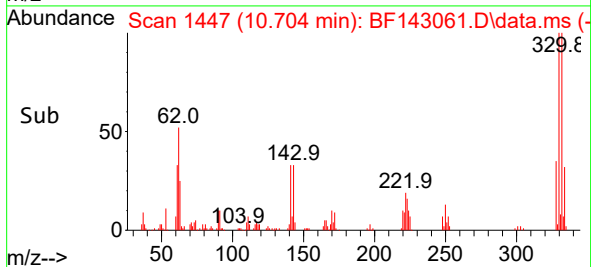
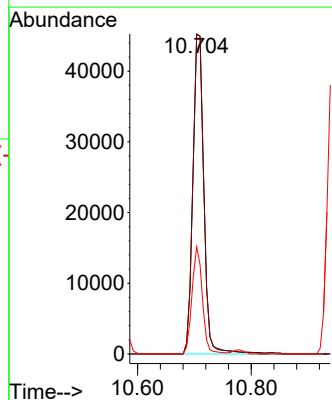
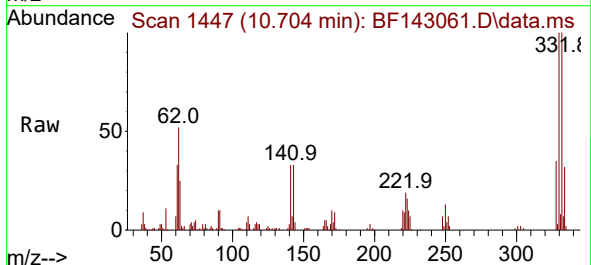
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

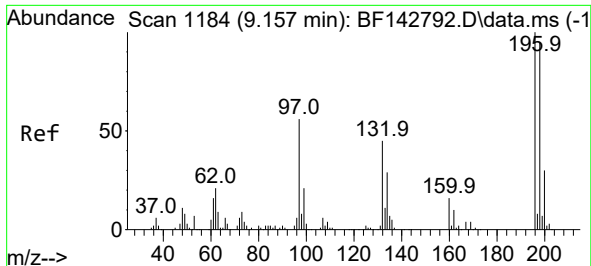
Tgt Ion:237 Resp: 85647  
Ion Ratio Lower Upper  
237 100  
235 62.5 43.4 83.4  
272 13.2 0.0 32.7



#42  
2,4,6-Tribromophenol  
Concen: 67.470 ng  
RT: 10.704 min Scan# 1447  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

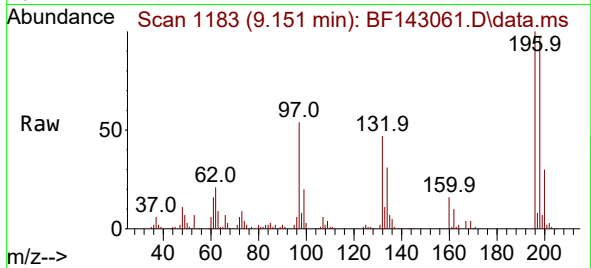
Tgt Ion:330 Resp: 61090  
Ion Ratio Lower Upper  
330 100  
332 99.6 75.0 112.6  
141 31.6 25.3 37.9



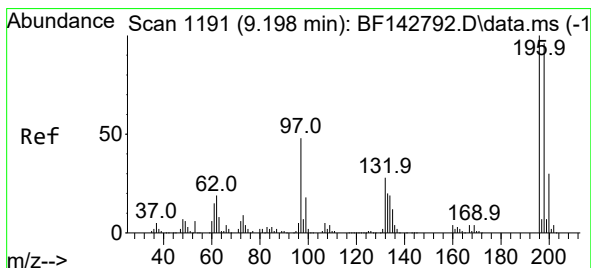
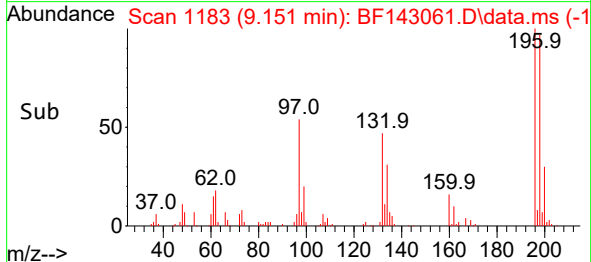
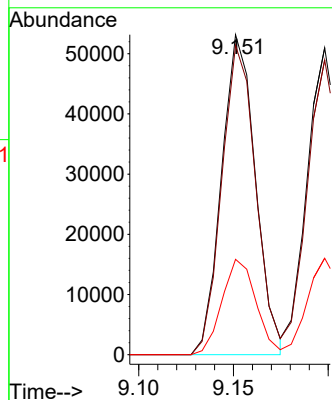


#43  
2,4,6-Trichlorophenol  
Concen: 39.097 ng  
RT: 9.151 min Scan# 1183  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

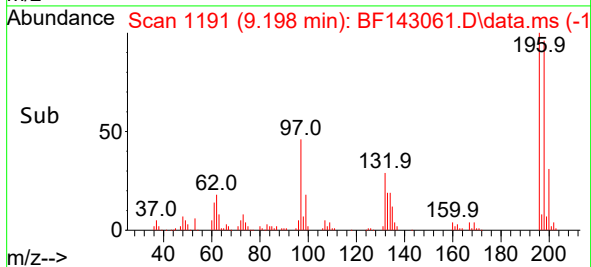
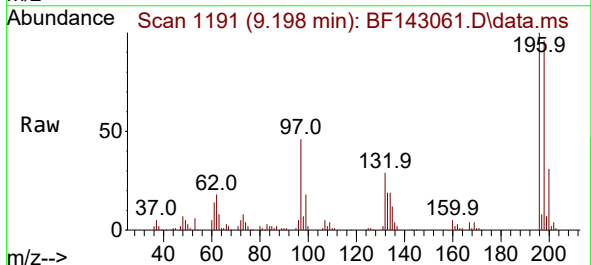
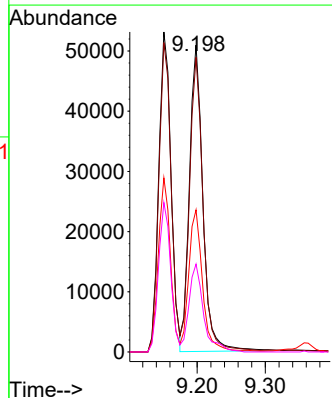


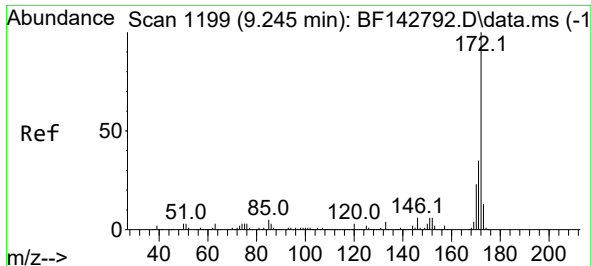
Tgt Ion:196 Resp: 66141  
Ion Ratio Lower Upper  
196 100  
198 96.7 76.2 114.2  
200 29.8 24.1 36.1



#44  
2,4,5-Trichlorophenol  
Concen: 39.153 ng  
RT: 9.198 min Scan# 1191  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:196 Resp: 69726  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.6 115.0  
97 46.3 38.2 57.2  
132 28.6 23.4 35.0

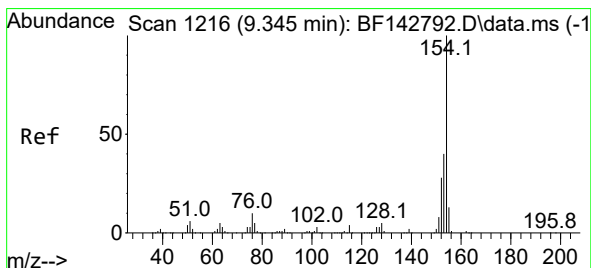
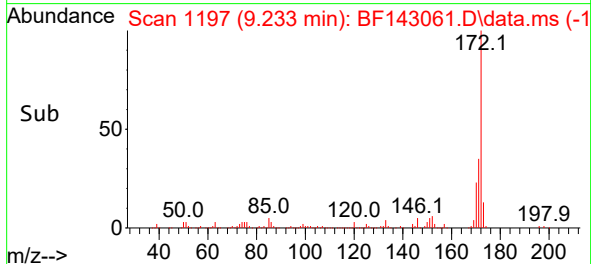
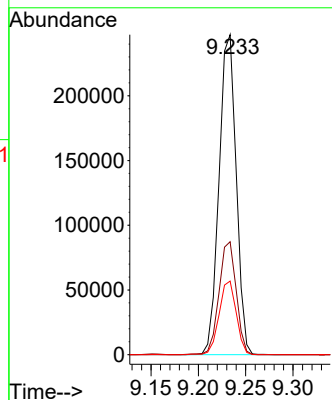
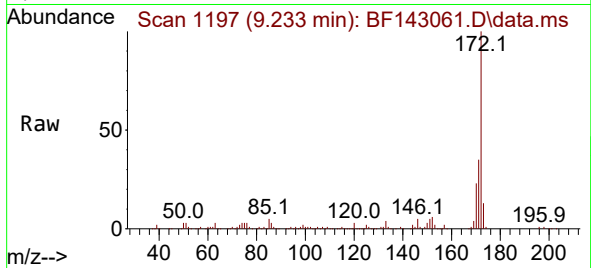




#45  
2-Fluorobiphenyl  
Concen: 46.522 ng  
RT: 9.233 min Scan# 1199  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

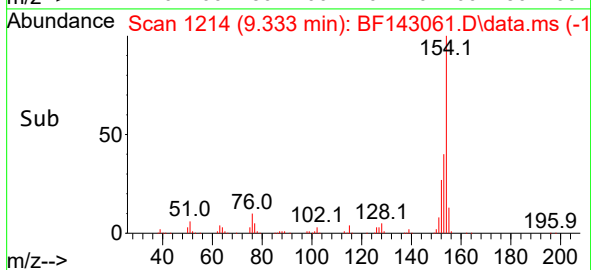
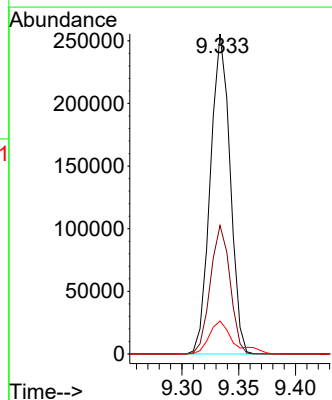
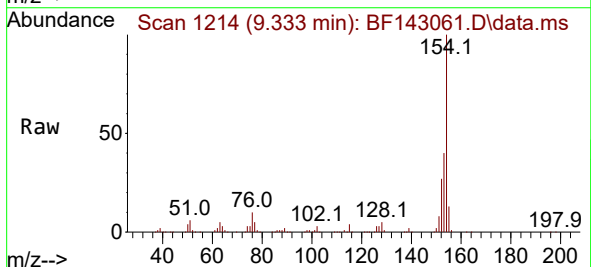
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

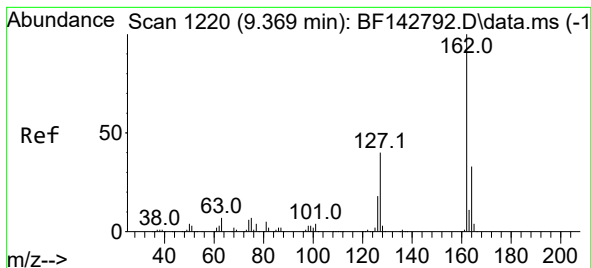
Tgt Ion:172 Resp: 311592  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.2 42.4  
170 23.0 18.5 27.7



#46  
1,1'-Biphenyl  
Concen: 44.394 ng  
RT: 9.333 min Scan# 1214  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:154 Resp: 308555  
Ion Ratio Lower Upper  
154 100  
153 40.2 20.3 60.3  
76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 44.486 ng

RT: 9.363 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

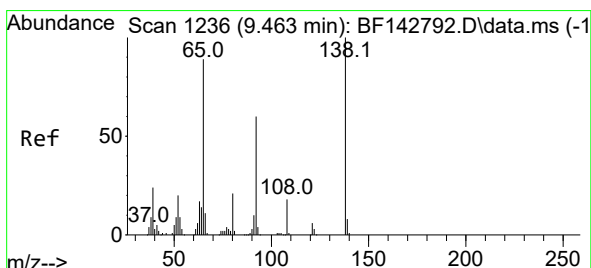
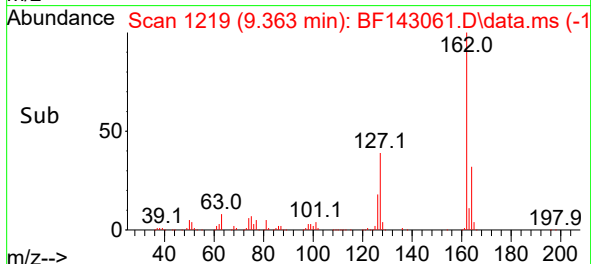
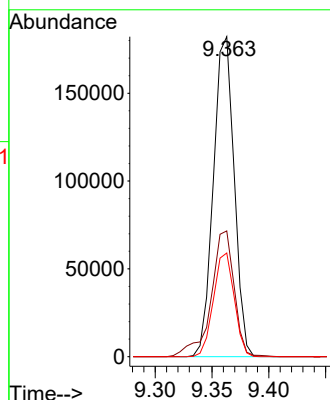
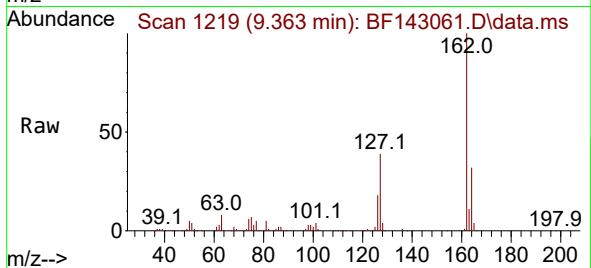
Tgt Ion:162 Resp: 232029

Ion Ratio Lower Upper

162 100

127 39.3 32.2 48.2

164 32.4 26.1 39.1



#48

2-Nitroaniline

Concen: 43.841 ng

RT: 9.457 min Scan# 1235

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

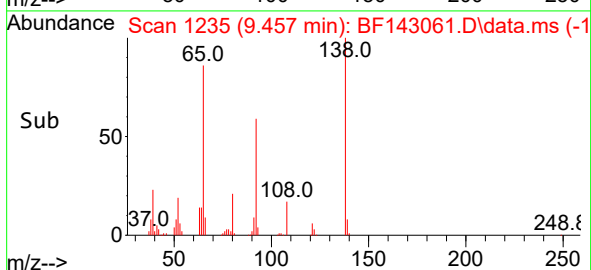
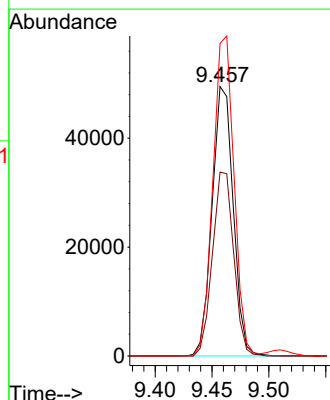
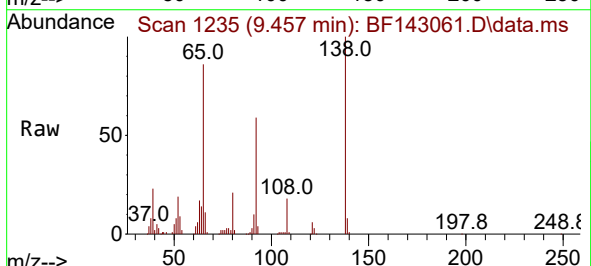
Tgt Ion: 65 Resp: 64108

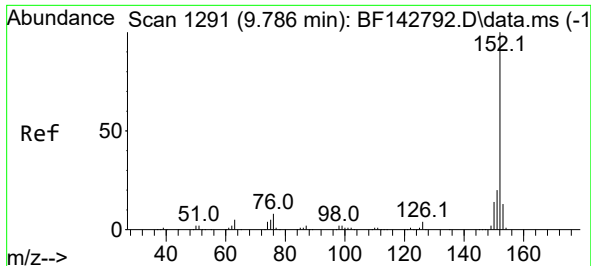
Ion Ratio Lower Upper

65 100

92 68.2 53.8 80.6

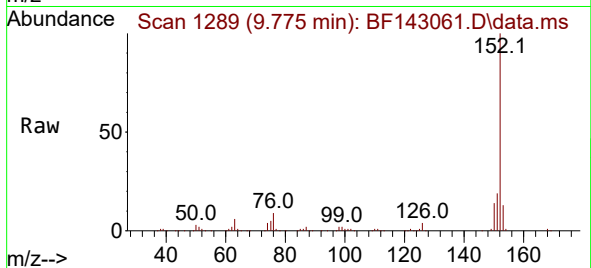
138 116.0 89.6 134.4



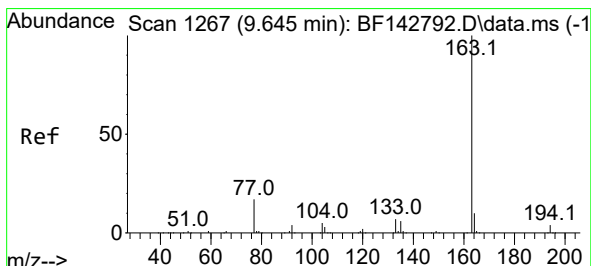
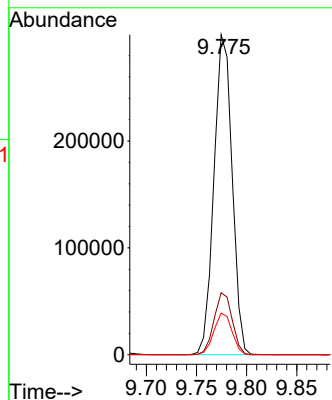
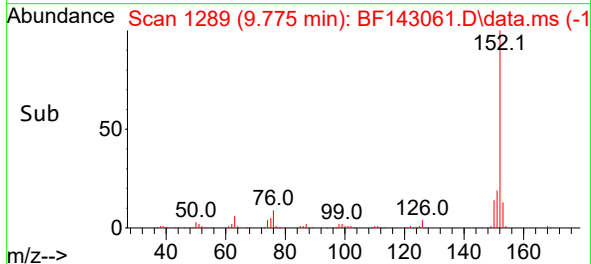


#49  
Acenaphthylene  
Concen: 43.938 ng  
RT: 9.775 min Scan# 1289  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

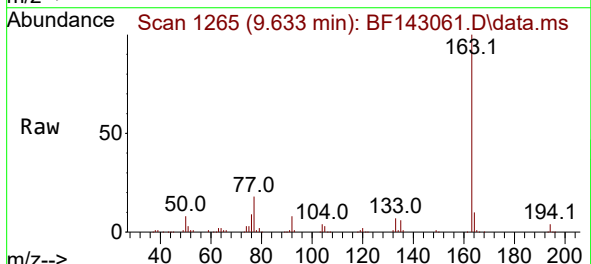
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD



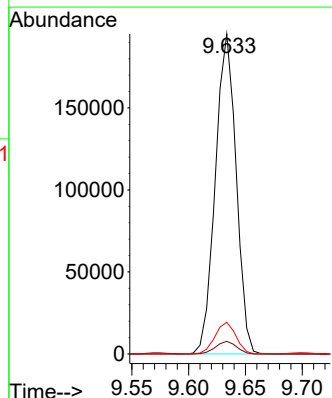
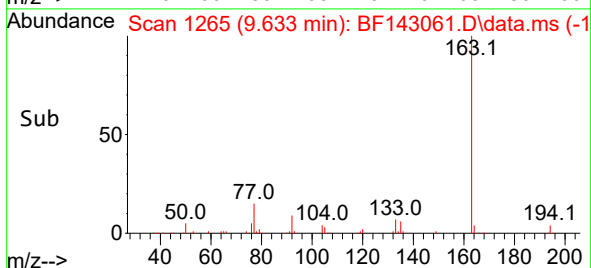
Tgt Ion:152 Resp: 377263  
Ion Ratio Lower Upper  
152 100  
151 19.4 16.1 24.1  
153 13.0 10.4 15.6

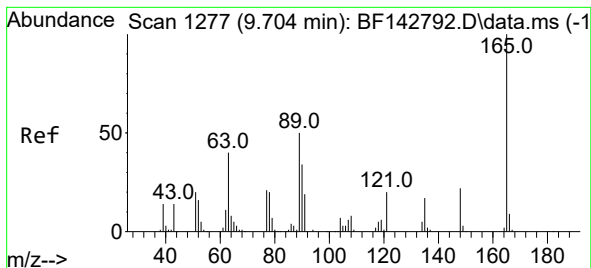


#50  
Dimethylphthalate  
Concen: 43.707 ng  
RT: 9.633 min Scan# 1265  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30



Tgt Ion:163 Resp: 248926  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 9.9 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 44.739 ng

RT: 9.698 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

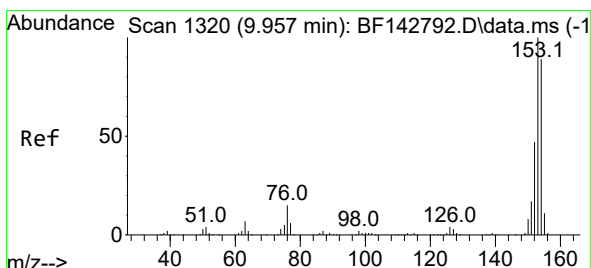
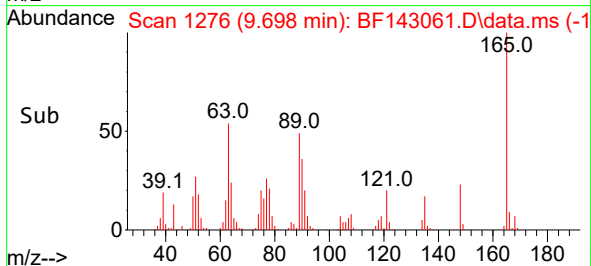
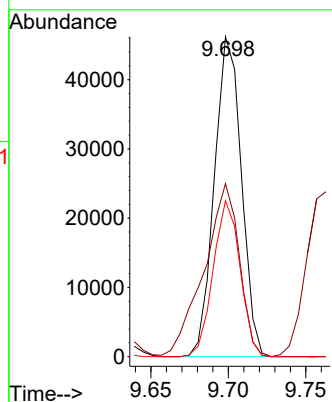
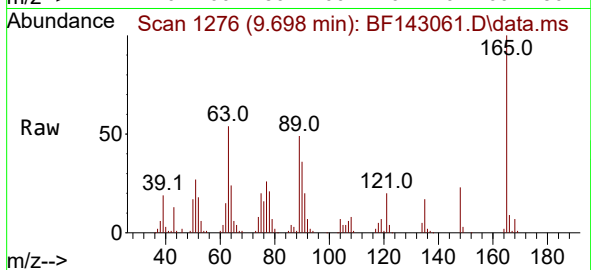
Tgt Ion:165 Resp: 55958

Ion Ratio Lower Upper

165 100

63 54.1 44.2 66.4

89 48.8 39.8 59.8



#52

Acenaphthene

Concen: 42.870 ng m

RT: 9.951 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

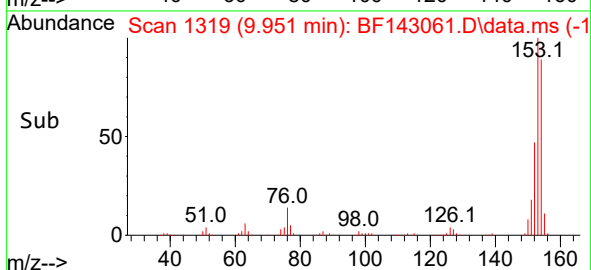
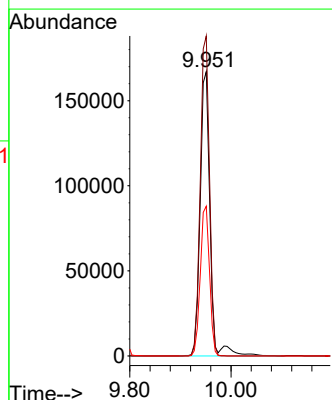
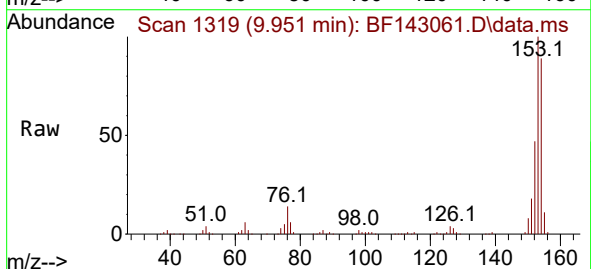
Tgt Ion:154 Resp: 224582

Ion Ratio Lower Upper

154 100

153 112.6 90.0 135.0

152 52.7 41.9 62.9

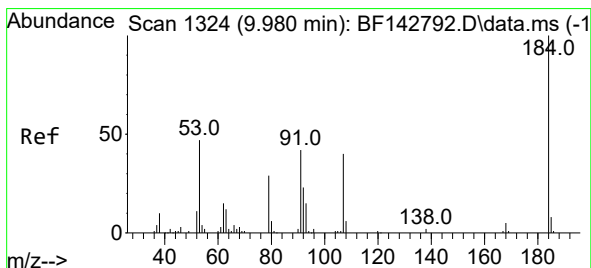
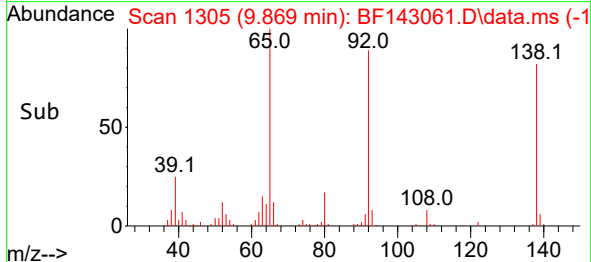
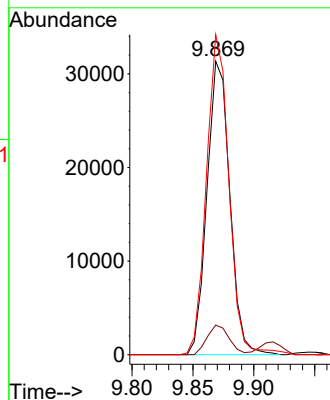
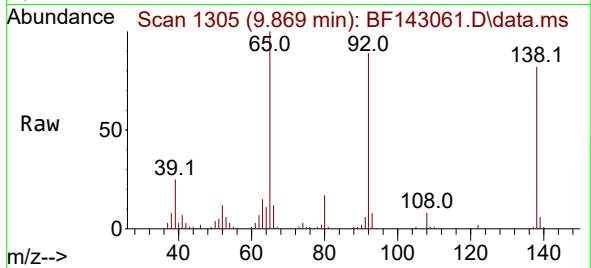




#53  
3-Nitroaniline  
Concen: 29.627 ng  
RT: 9.869 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

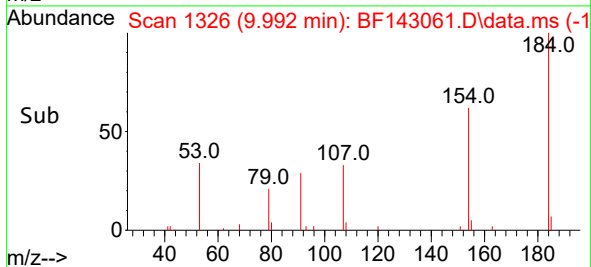
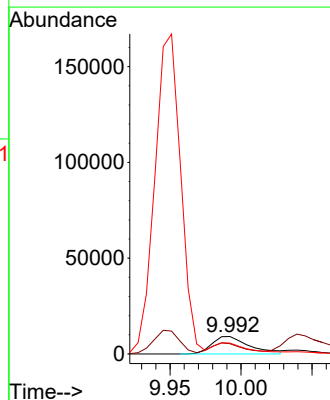
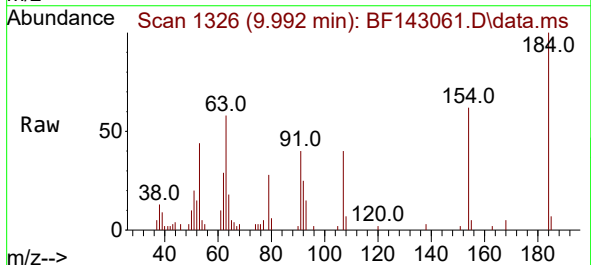
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

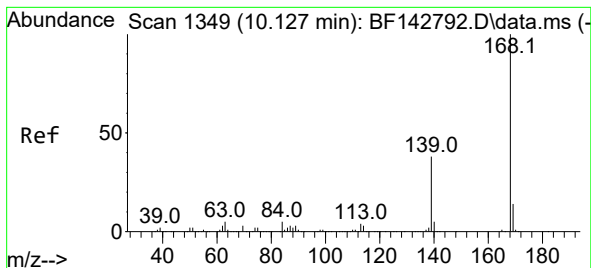
Tgt Ion:138 Resp: 40799  
Ion Ratio Lower Upper  
138 100  
108 10.1 8.1 12.1  
92 109.0 85.1 127.7



#54  
2,4-Dinitrophenol  
Concen: 26.667 ng  
RT: 9.992 min Scan# 1326  
Delta R.T. 0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:184 Resp: 16701  
Ion Ratio Lower Upper  
184 100  
63 58.2 50.6 75.8  
154 61.8 51.8 77.8





#55

Dibenzenofuran

Concen: 43.038 ng

RT: 10.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

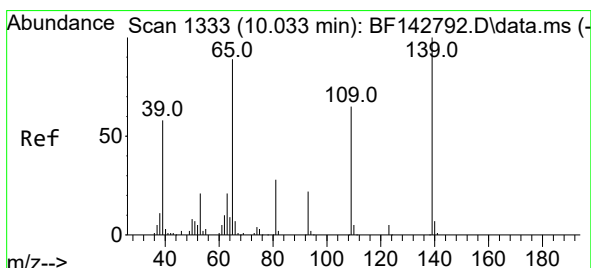
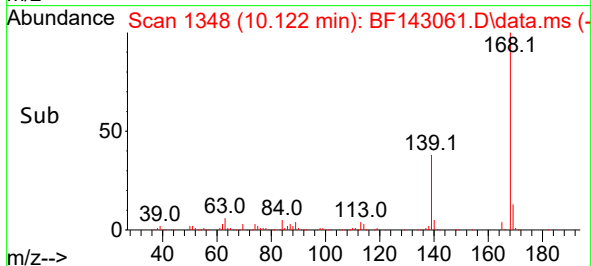
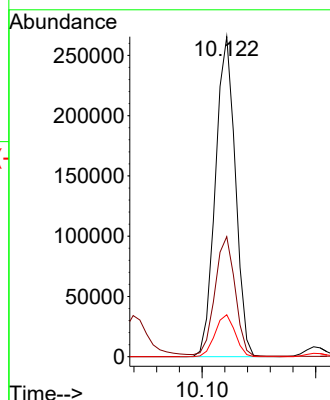
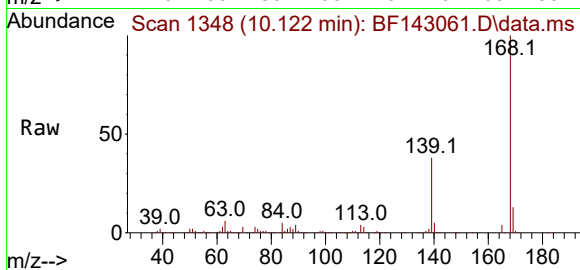
Tgt Ion:168 Resp: 323306

Ion Ratio Lower Upper

168 100

139 37.5 30.2 45.4

169 13.1 10.8 16.2



#56

4-Nitrophenol

Concen: 55.552 ng

RT: 10.039 min Scan# 1334

Delta R.T. 0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

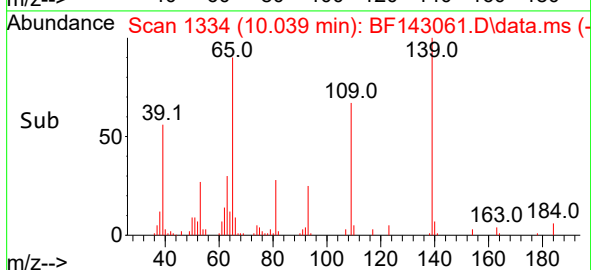
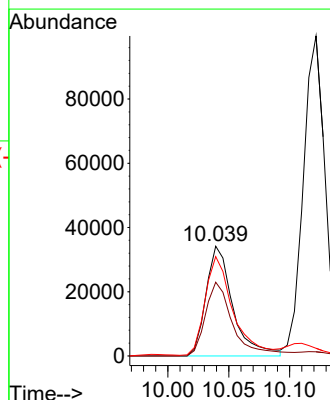
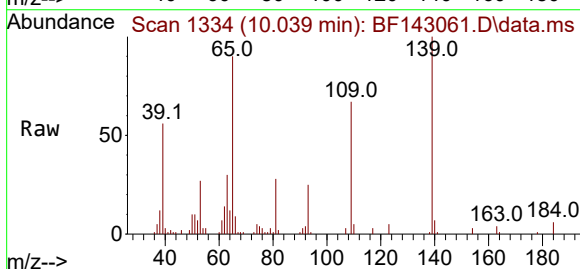
Tgt Ion:139 Resp: 52372

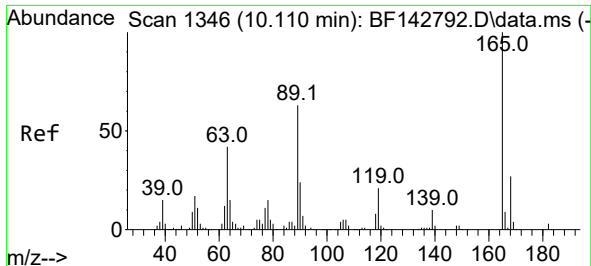
Ion Ratio Lower Upper

139 100

109 67.3 44.7 84.7

65 90.5 69.8 109.8

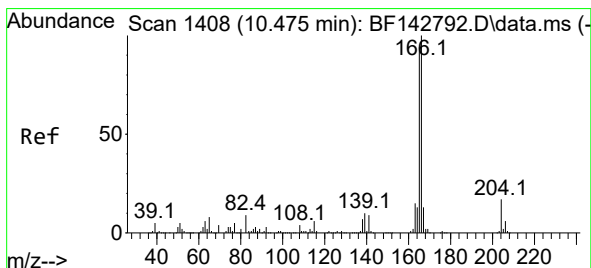
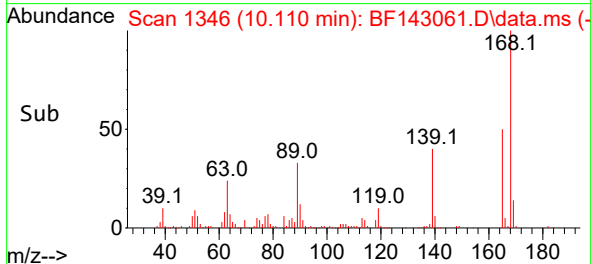
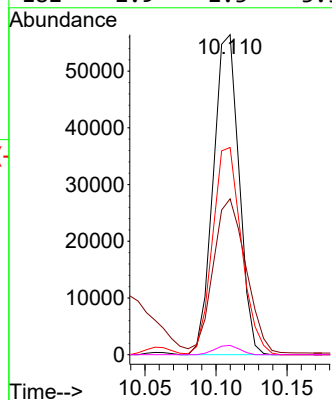
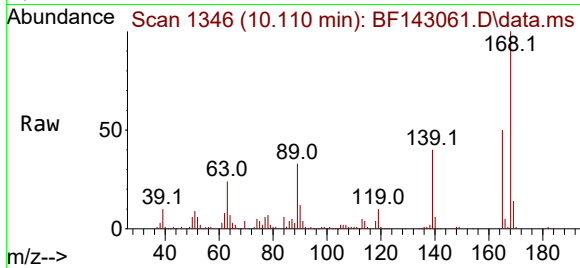




#57  
2,4-Dinitrotoluene  
Concen: 42.768 ng  
RT: 10.110 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

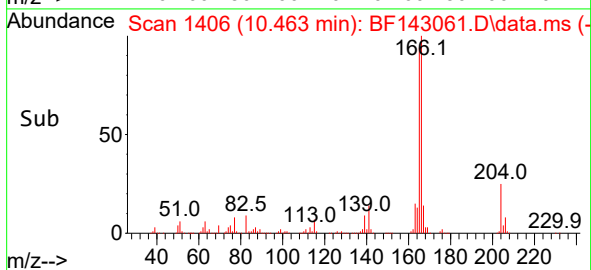
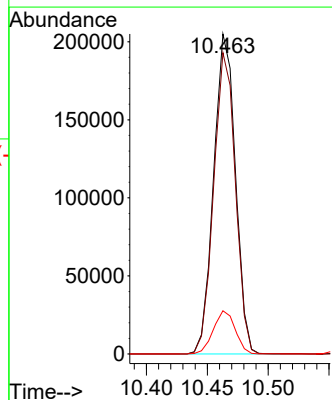
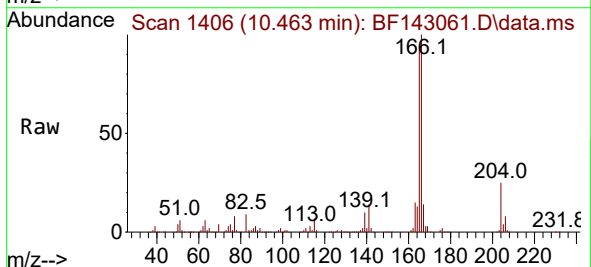
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion:165 Resp: 71054  
Ion Ratio Lower Upper  
165 100  
63 48.7 33.9 50.9  
89 64.7 50.6 75.8  
182 2.9 2.3 3.5



#58  
Fluorene  
Concen: 43.457 ng  
RT: 10.463 min Scan# 1406  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:166 Resp: 254958  
Ion Ratio Lower Upper  
166 100  
165 94.1 75.2 112.8  
167 13.5 10.6 15.8

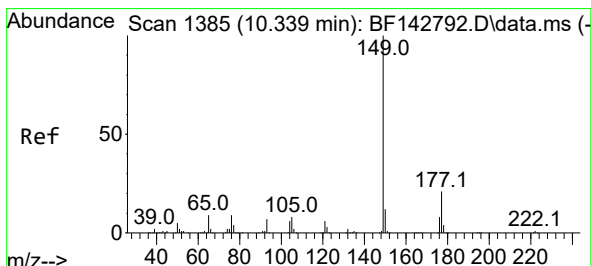
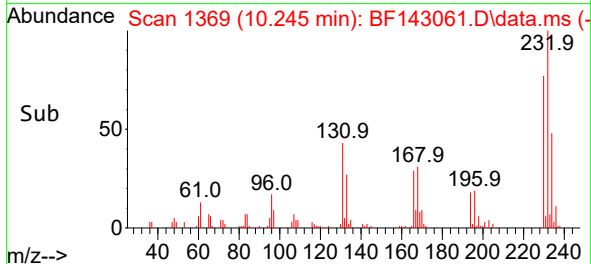
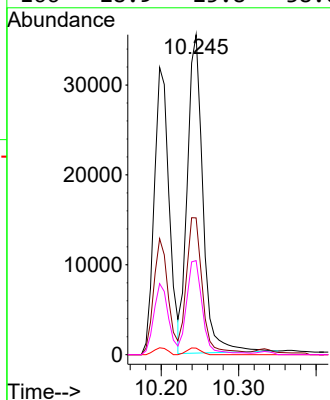
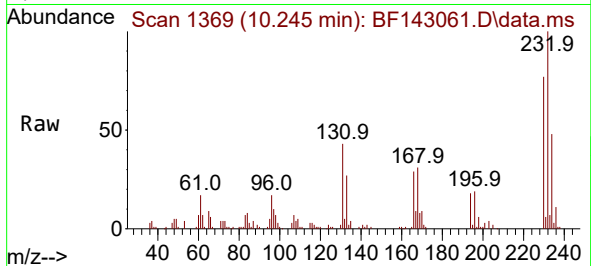




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 34.295 ng  
RT: 10.245 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

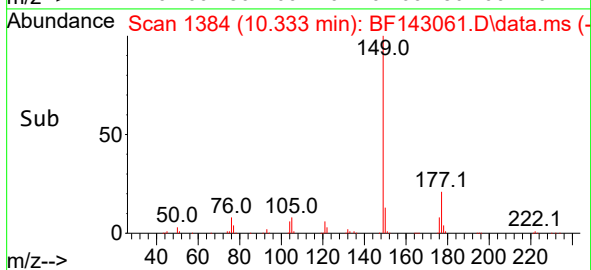
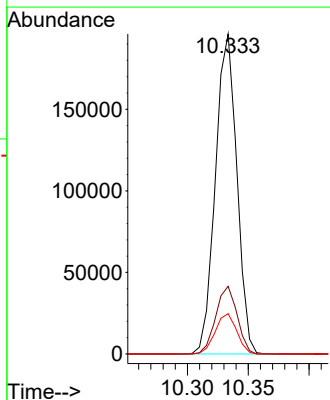
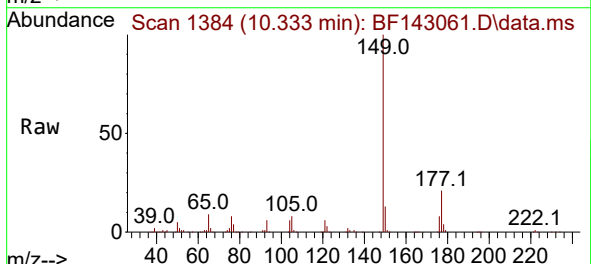
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

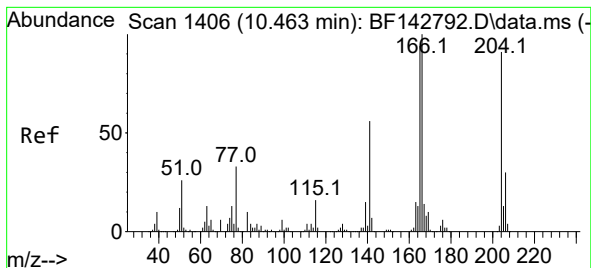
Tgt Ion:232 Resp: 49229  
Ion Ratio Lower Upper  
232 100  
131 44.8 37.6 56.4  
130 1.9 1.7 2.5  
166 28.9 25.8 38.6



#60  
Diethylphthalate  
Concen: 43.081 ng  
RT: 10.333 min Scan# 1384  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:149 Resp: 240572  
Ion Ratio Lower Upper  
149 100  
177 21.1 17.0 25.6  
150 12.6 9.8 14.6

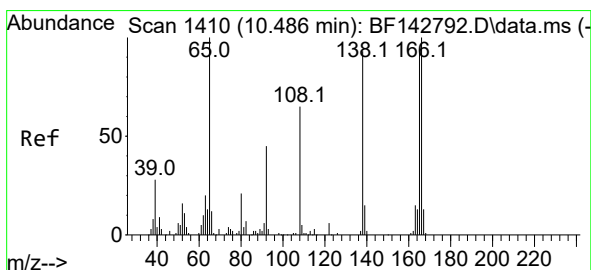
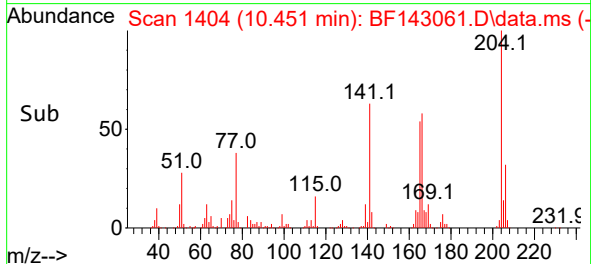
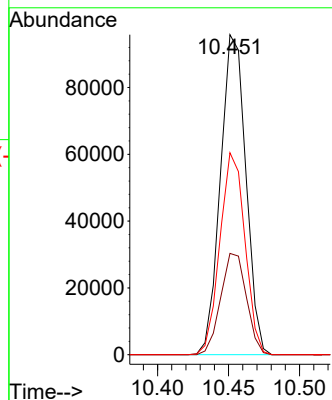
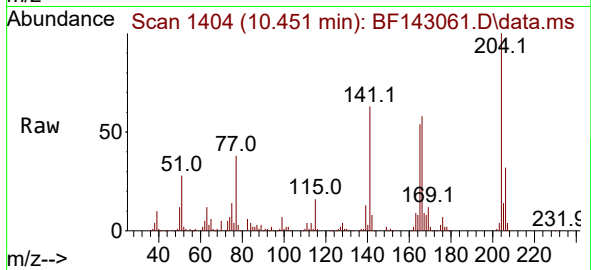




#61  
4-Chlorophenyl-phenylether  
Concen: 42.628 ng  
RT: 10.451 min Scan# 1404  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

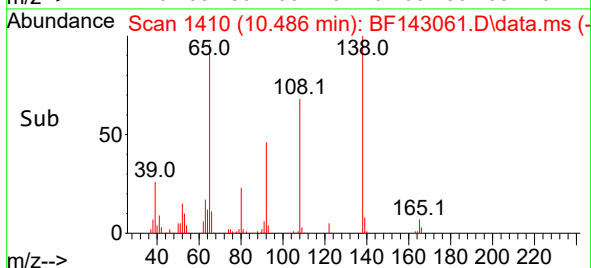
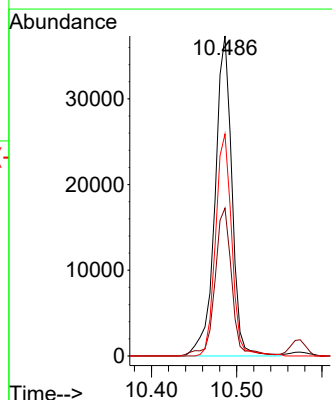
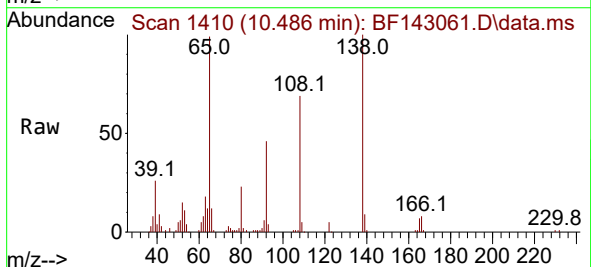
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

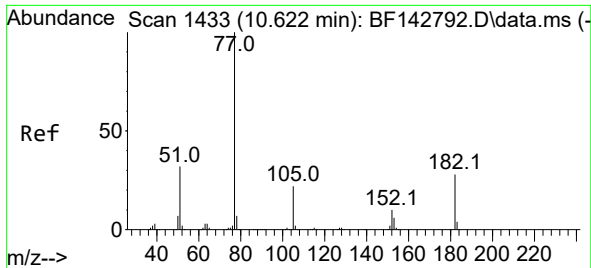
Tgt Ion:204 Resp: 119342  
Ion Ratio Lower Upper  
204 100  
206 31.6 26.3 39.5  
141 63.1 49.1 73.7



#62  
4-Nitroaniline  
Concen: 40.807 ng  
RT: 10.486 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:138 Resp: 51394  
Ion Ratio Lower Upper  
138 100  
92 46.2 28.4 68.4  
108 69.3 50.2 90.2

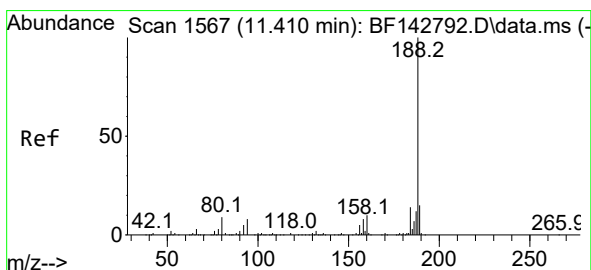
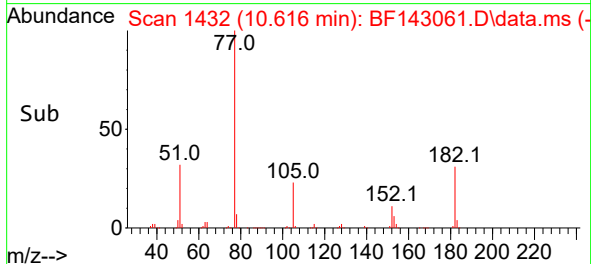
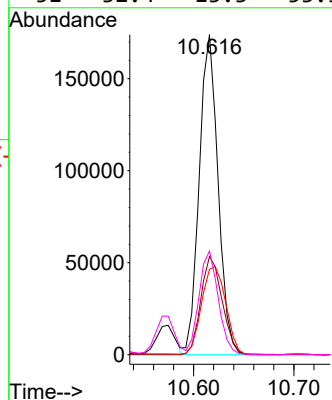
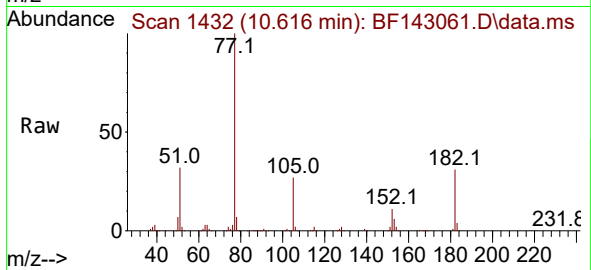




#63  
Azobenzene  
Concen: 45.607 ng  
RT: 10.616 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

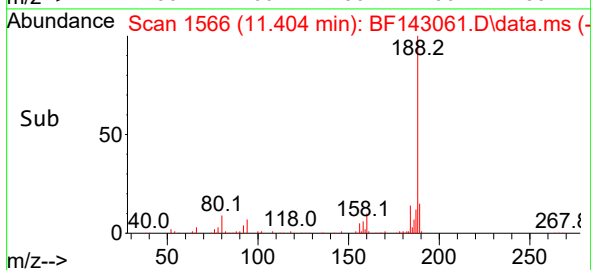
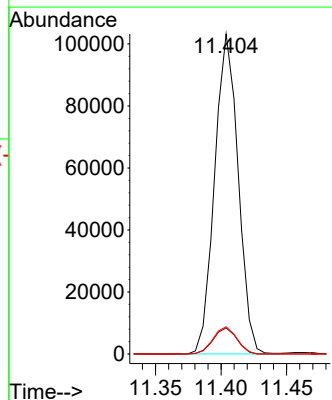
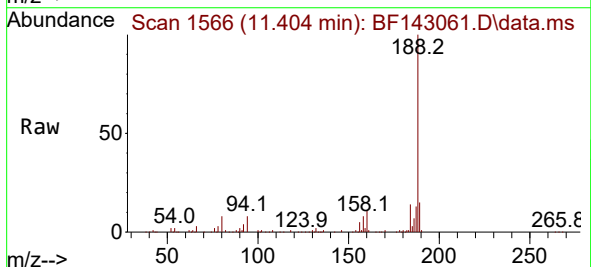
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

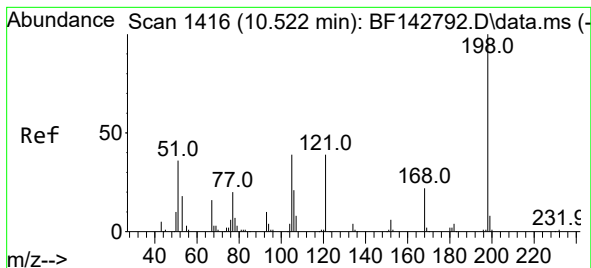
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 227625 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 30.6    | 7.7 47.7     |
| 105 26.7    | 1.9 41.9     |
| 51 32.4     | 13.3 53.3    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1566  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 128612 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 8.2      | 6.7 10.1     |
| 80 8.5      | 6.9 10.3     |

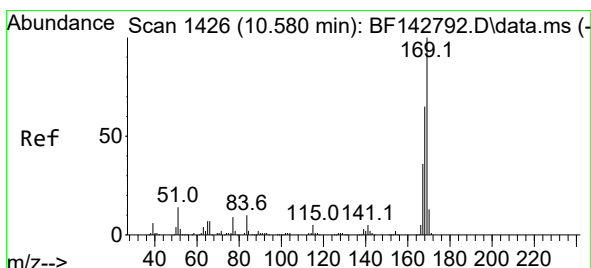
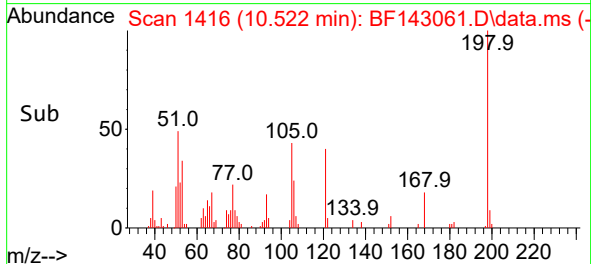
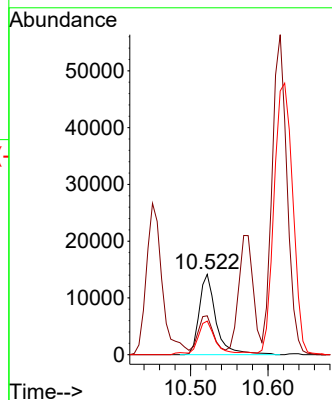
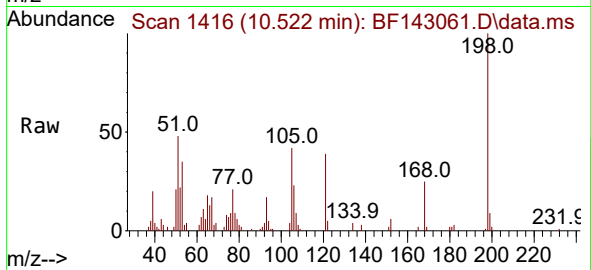




#65  
4,6-Dinitro-2-methylphenol  
Concen: 27.162 ng  
RT: 10.522 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

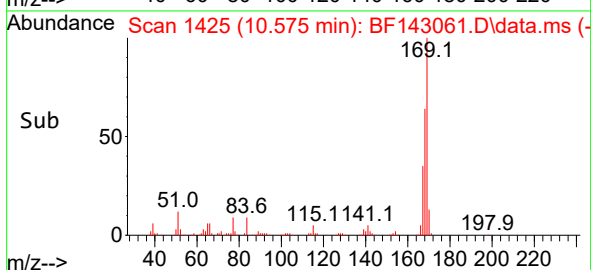
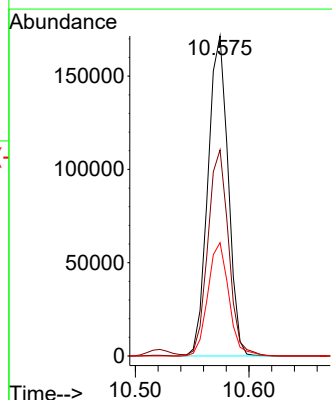
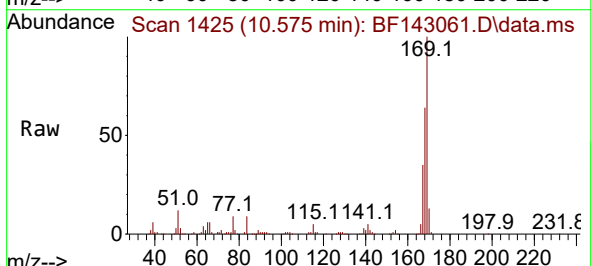
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

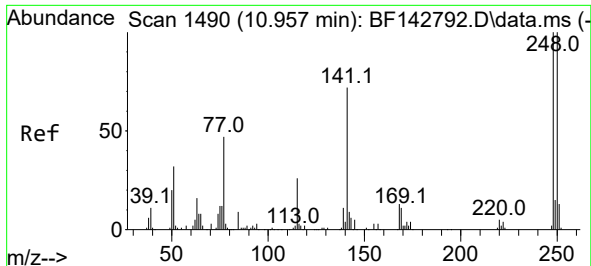
Tgt Ion:198 Resp: 21130  
Ion Ratio Lower Upper  
198 100  
51 48.3 25.4 65.4  
105 41.9 20.4 60.4



#66  
n-Nitrosodiphenylamine  
Concen: 47.487 ng  
RT: 10.575 min Scan# 1425  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:169 Resp: 211666  
Ion Ratio Lower Upper  
169 100  
168 64.4 51.9 77.9  
167 35.4 28.5 42.7

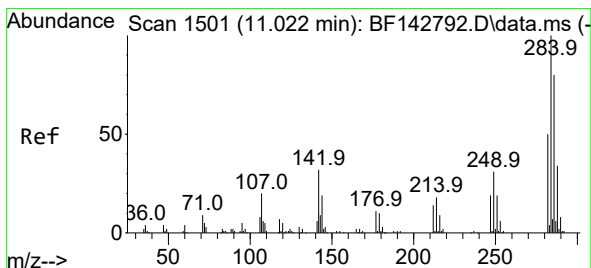
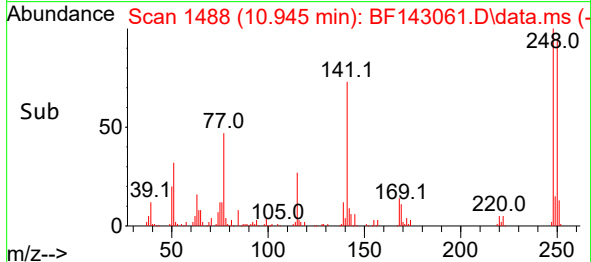
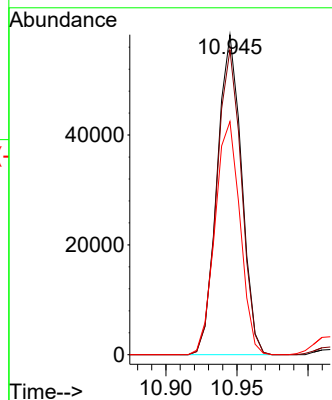
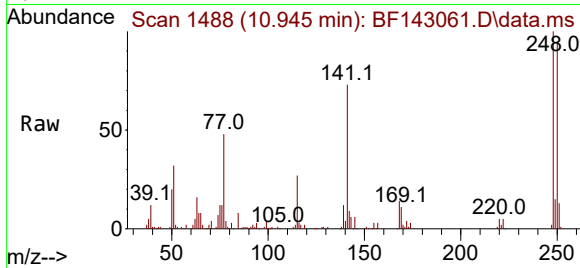




#67  
4-Bromophenyl-phenylether  
Concen: 47.557 ng  
RT: 10.945 min Scan# 14  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

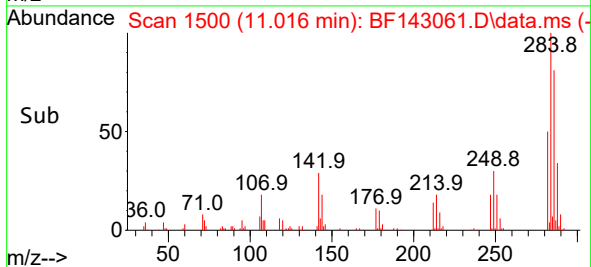
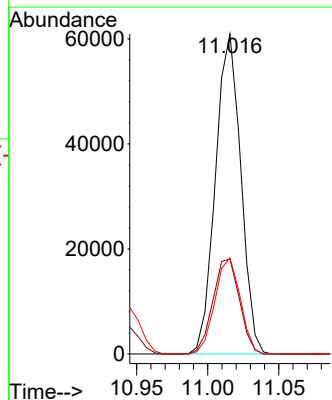
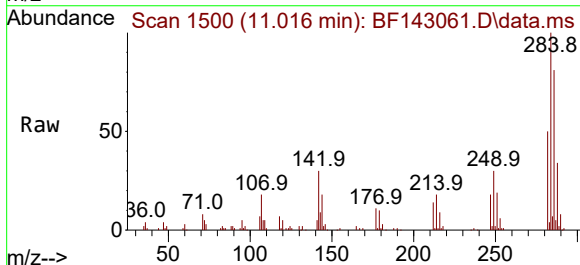
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion:248 Resp: 69611  
Ion Ratio Lower Upper  
248 100  
250 95.3 79.8 119.8  
141 72.8 57.8 86.6



#68  
Hexachlorobenzene  
Concen: 46.491 ng  
RT: 11.016 min Scan# 1500  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:284 Resp: 75615  
Ion Ratio Lower Upper  
284 100  
142 29.7 25.5 38.3  
249 30.0 24.9 37.3





#69

Atrazine

Concen: 48.773 ng

RT: 11.098 min Scan# 1514

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

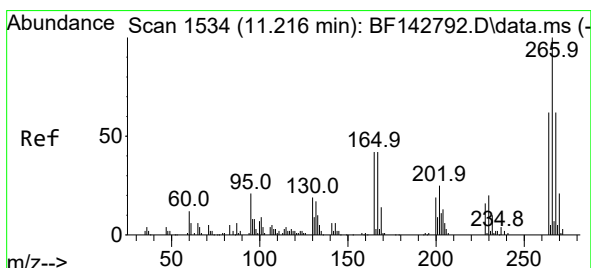
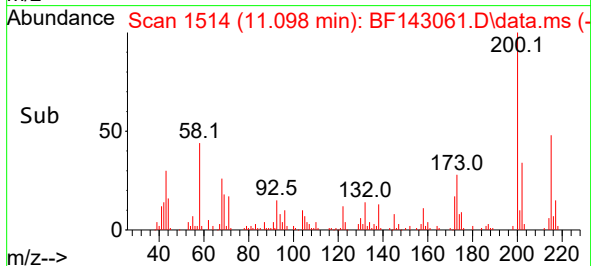
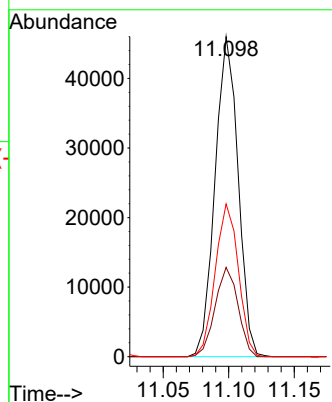
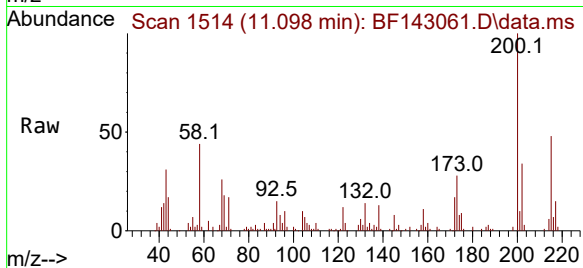
Tgt Ion:200 Resp: 56139

Ion Ratio Lower Upper

200 100

173 27.9 7.4 47.4

215 47.8 28.4 68.4



#70

Pentachlorophenol

Concen: 45.150 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

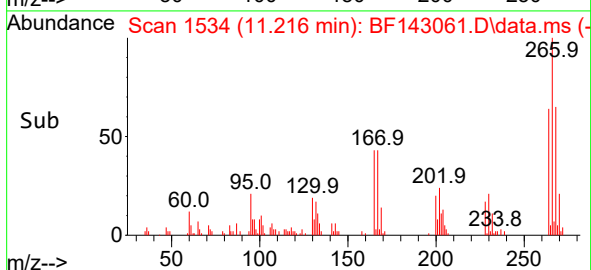
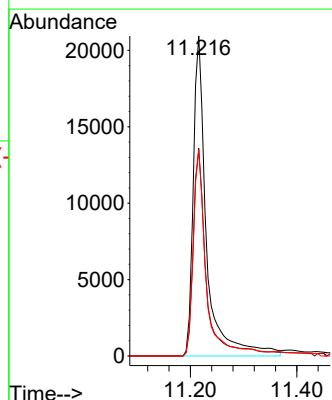
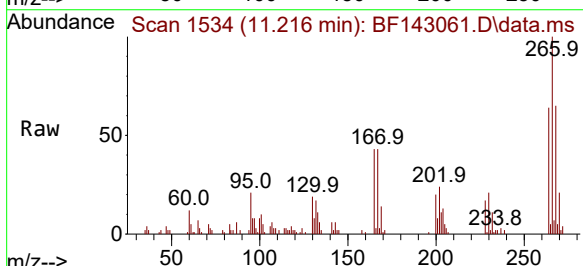
Tgt Ion:266 Resp: 36592

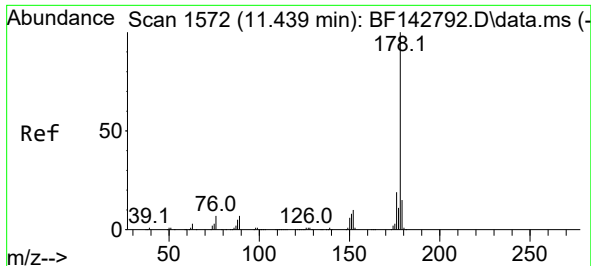
Ion Ratio Lower Upper

266 100

268 64.9 49.8 74.8

264 64.2 49.9 74.9

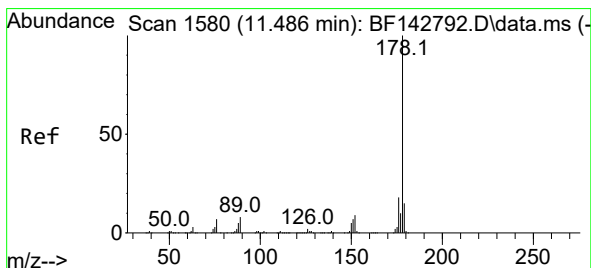
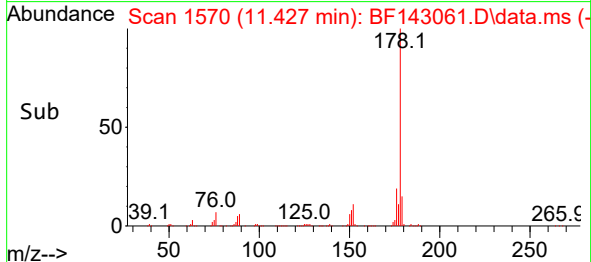
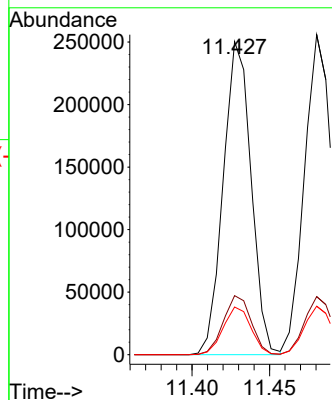
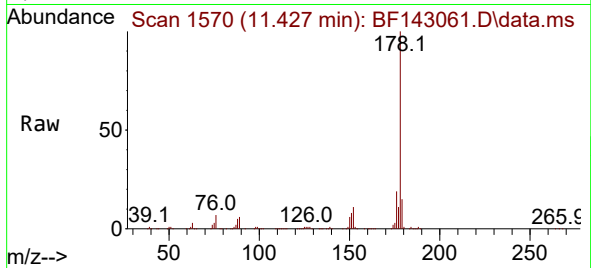




#71  
Phenanthrene  
Concen: 44.951 ng  
RT: 11.427 min Scan# 1570  
Delta R.T. -0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

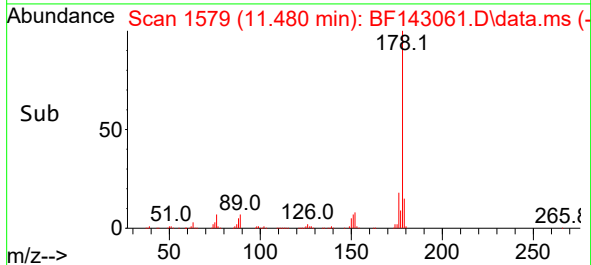
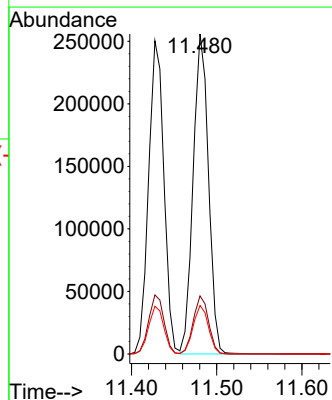
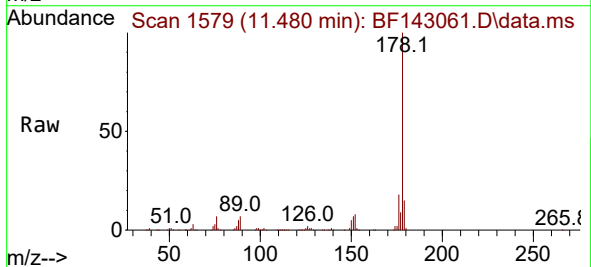
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

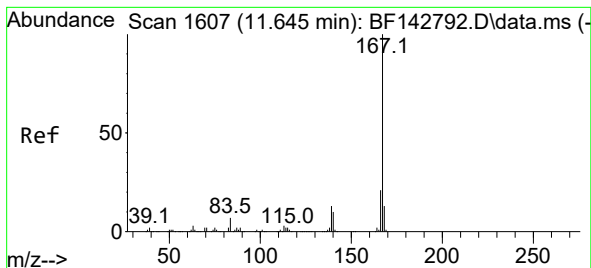
Tgt Ion:178 Resp: 313167  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.2 12.0 18.0



#72  
Anthracene  
Concen: 44.714 ng  
RT: 11.480 min Scan# 1579  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:178 Resp: 319487  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.6 21.8  
179 15.1 12.4 18.6





#73

Carbazole

Concen: 43.370 ng

RT: 11.639 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

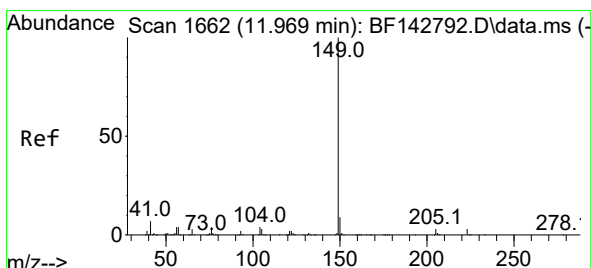
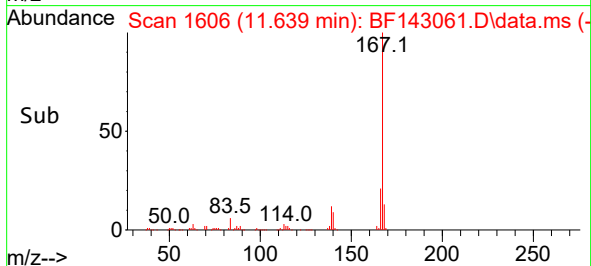
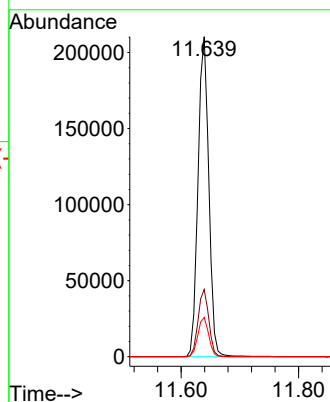
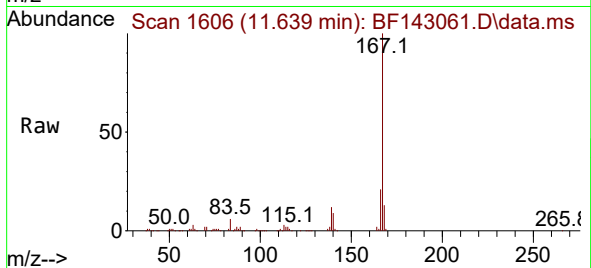
Tgt Ion:167 Resp: 267422

Ion Ratio Lower Upper

167 100

166 21.0 17.0 25.4

139 12.3 10.2 15.2



#74

Di-n-butylphthalate

Concen: 47.208 ng

RT: 11.957 min Scan# 1660

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

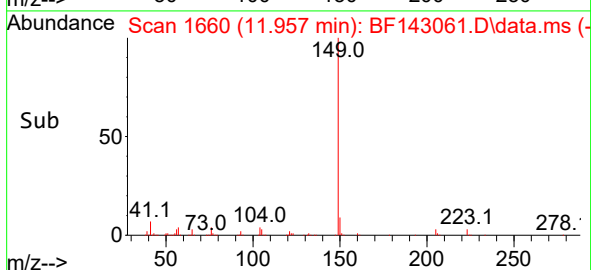
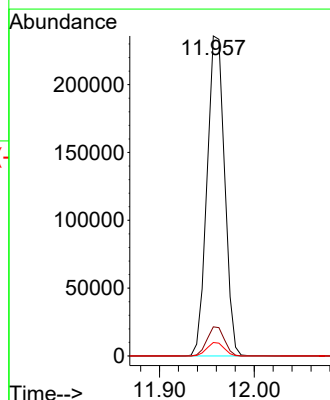
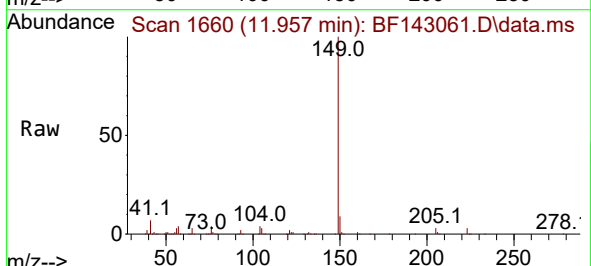
Tgt Ion:149 Resp: 303241

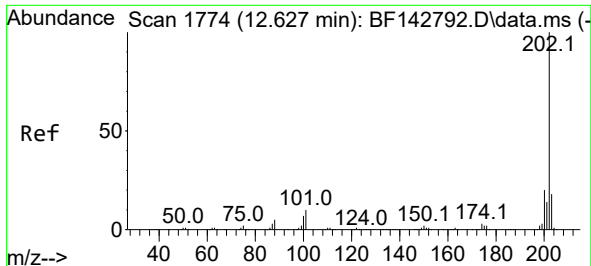
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.0

104 4.2 3.5 5.3

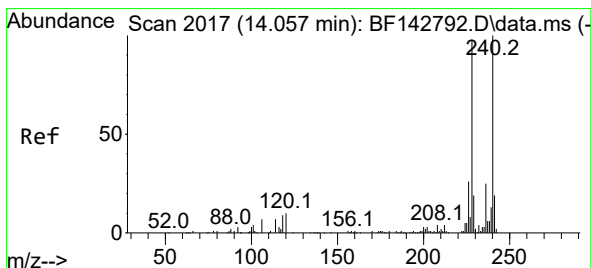
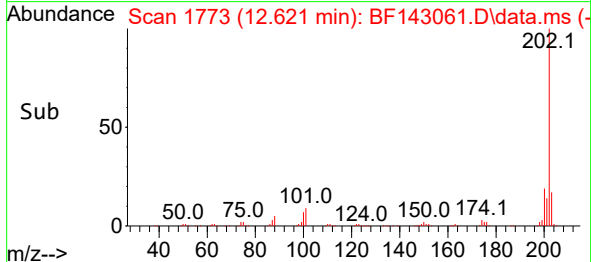
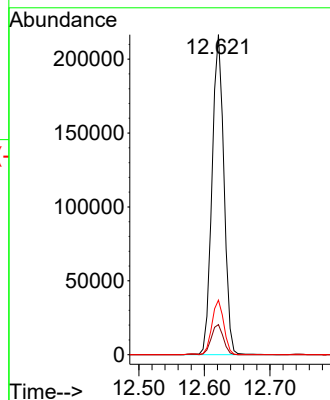
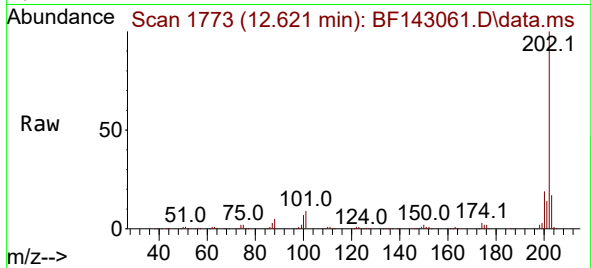




#75  
Fluoranthene  
Concen: 41.311 ng  
RT: 12.621 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

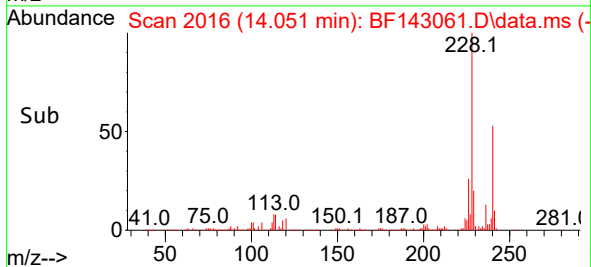
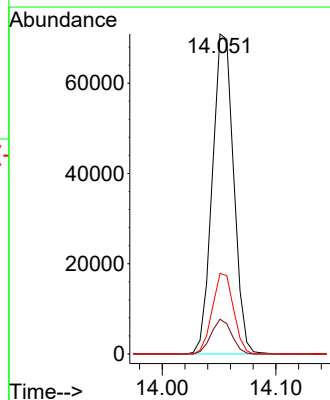
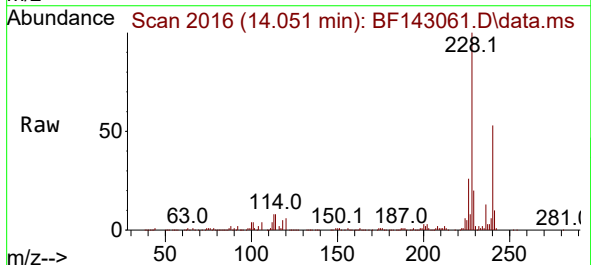
Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

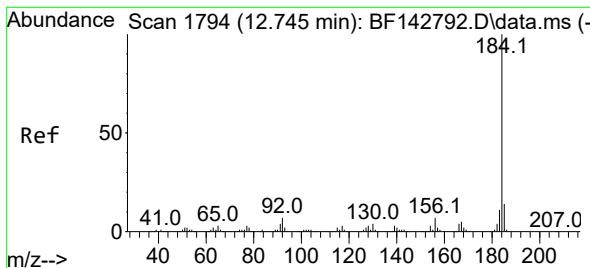
Tgt Ion:202 Resp: 273144  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 29.7  
203 17.0 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:240 Resp: 92445  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.2 12.2  
236 25.1 19.8 29.8





#77

Benzidine

Concen: 29.759 ng

RT: 12.745 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

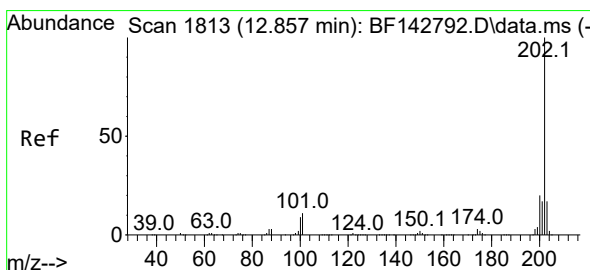
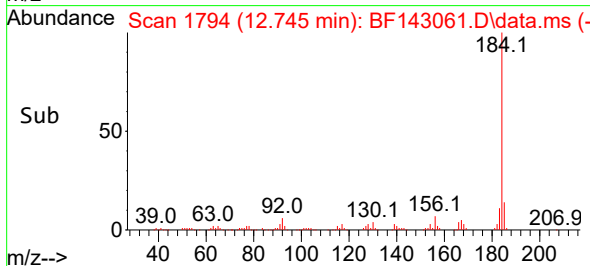
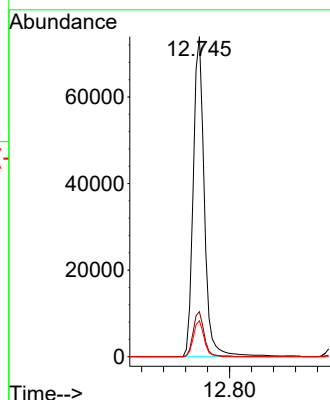
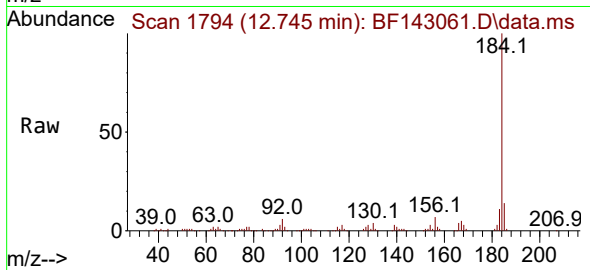
Tgt Ion:184 Resp: 103360

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 11.3 9.0 13.4



#78

Pyrene

Concen: 31.128 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

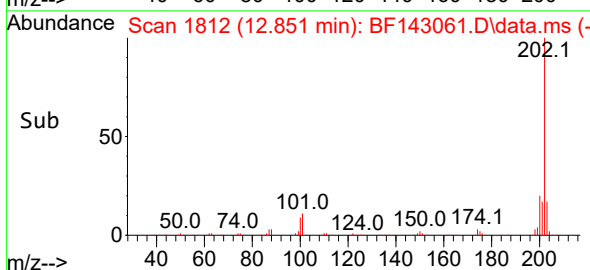
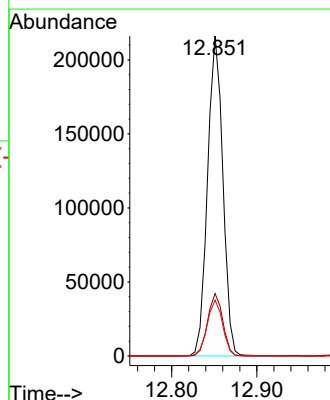
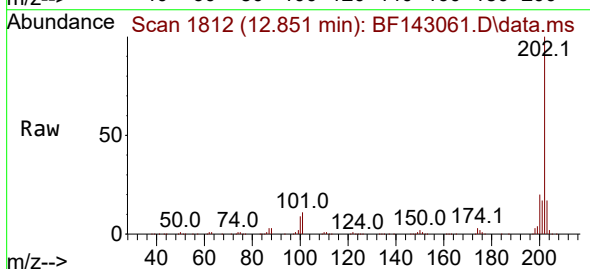
Tgt Ion:202 Resp: 269733

Ion Ratio Lower Upper

202 100

200 19.5 15.7 23.5

203 17.5 13.8 20.6

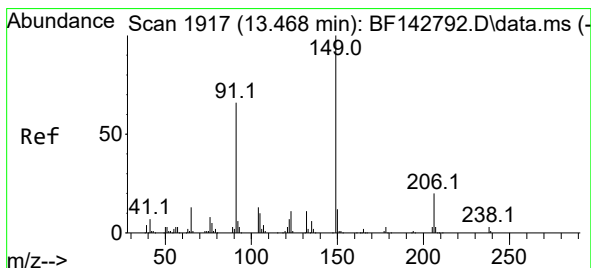
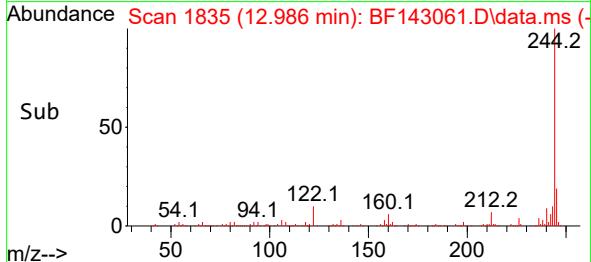
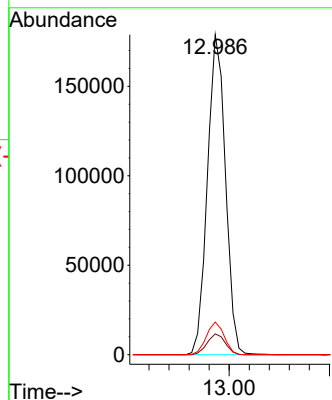
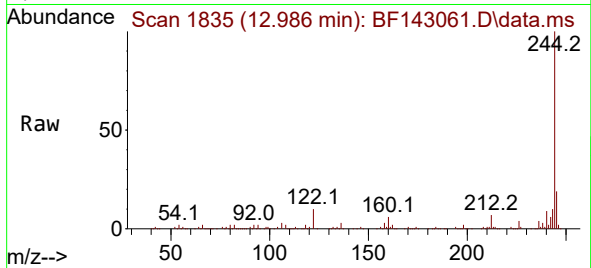




#79  
 Terphenyl-d14  
 Concen: 33.496 ng  
 RT: 12.986 min Scan# 1835  
 Delta R.T. -0.012 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

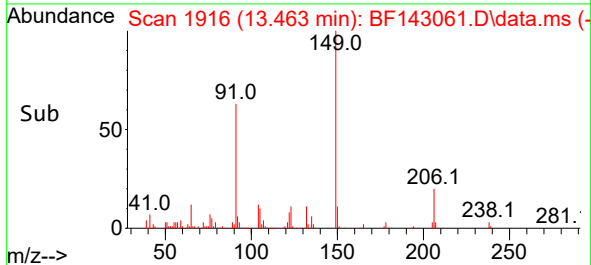
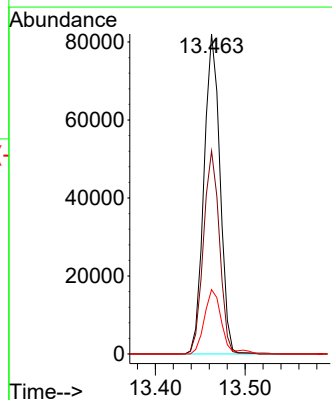
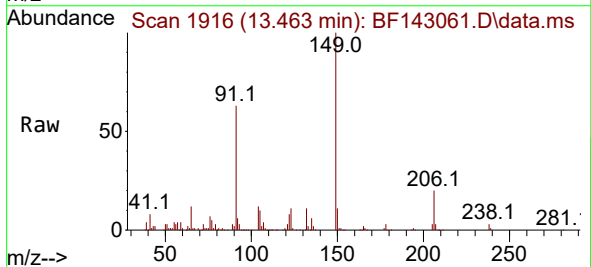
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14MSD

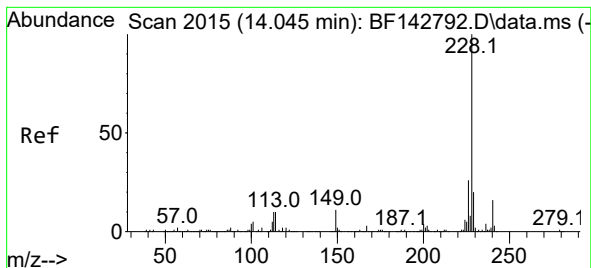
Tgt Ion:244 Resp: 224108  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.4 8.0  
 122 10.2 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 40.438 ng  
 RT: 13.463 min Scan# 1916  
 Delta R.T. -0.006 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

Tgt Ion:149 Resp: 101642  
 Ion Ratio Lower Upper  
 149 100  
 91 63.5 52.9 79.3  
 206 20.1 16.3 24.5





#81

Benzo(a)anthracene

Concen: 43.943 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

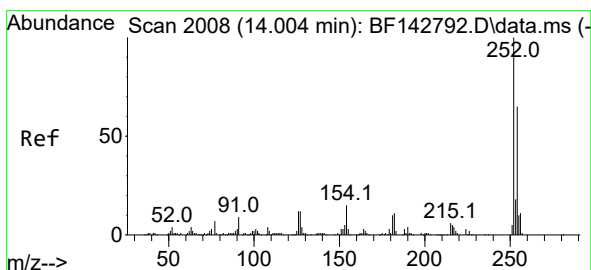
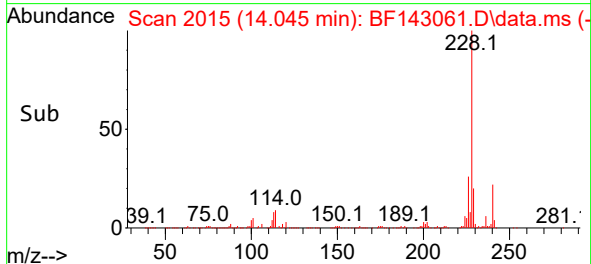
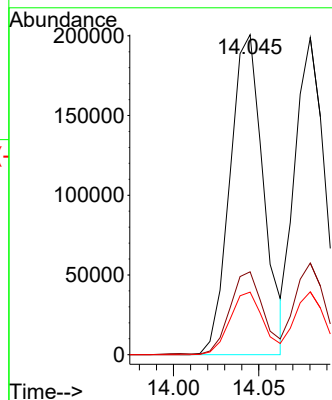
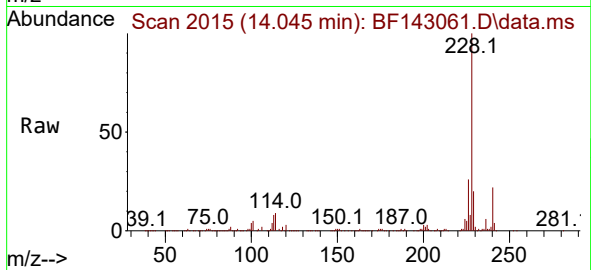
Tgt Ion:228 Resp: 274046

Ion Ratio Lower Upper

228 100

226 25.9 21.2 31.8

229 19.6 15.6 23.4



#82

3,3'-Dichlorobenzidine

Concen: 26.404 ng

RT: 14.004 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

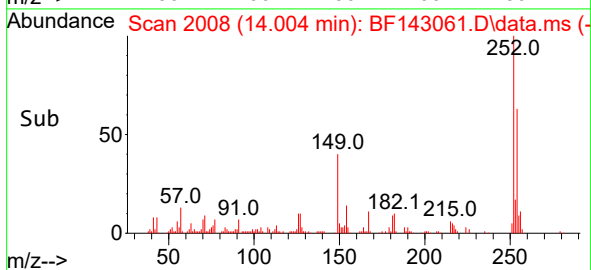
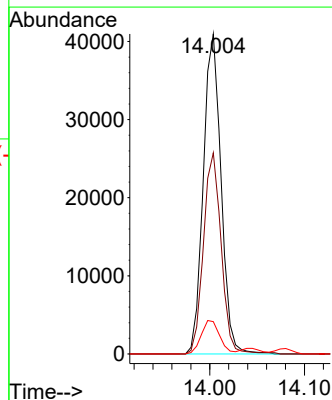
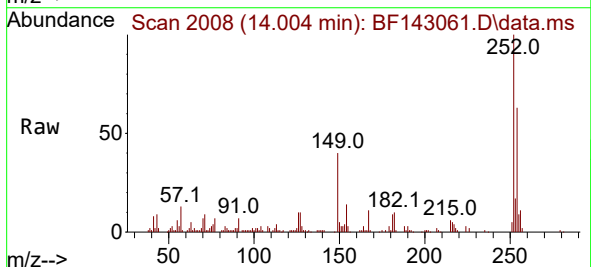
Tgt Ion:252 Resp: 53410

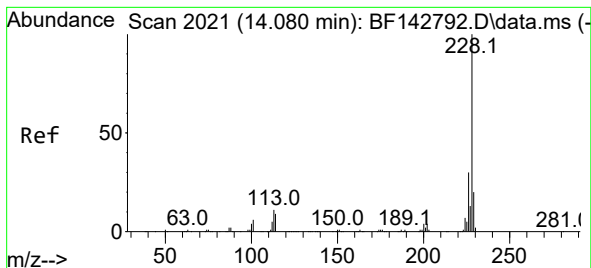
Ion Ratio Lower Upper

252 100

254 62.8 51.7 77.5

126 10.1 9.4 14.2





#83

Chrysene

Concen: 43.431 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

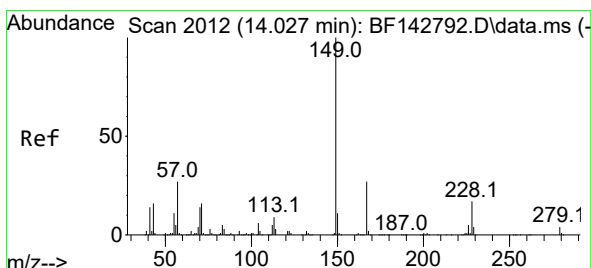
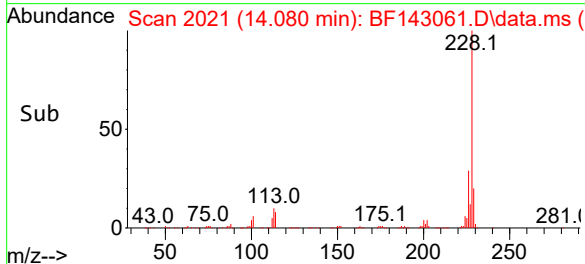
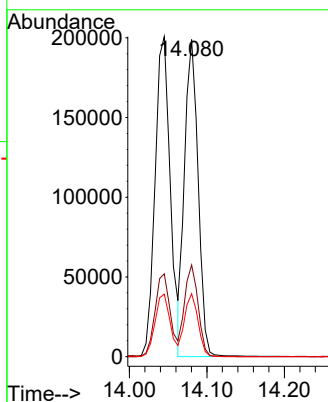
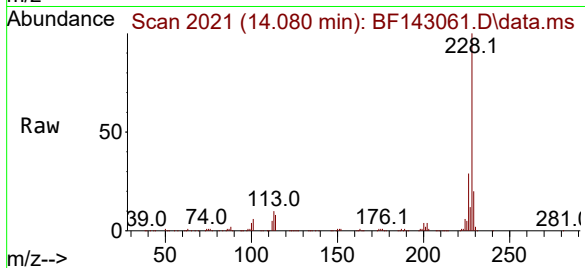
Tgt Ion:228 Resp: 241689

Ion Ratio Lower Upper

228 100

226 28.9 23.7 35.5

229 19.8 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.021 ng

RT: 14.021 min Scan# 2011

Delta R.T. -0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

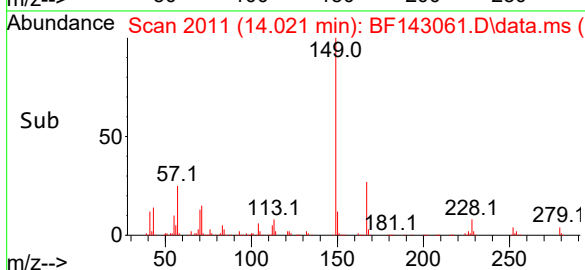
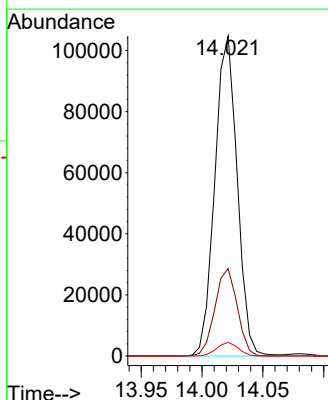
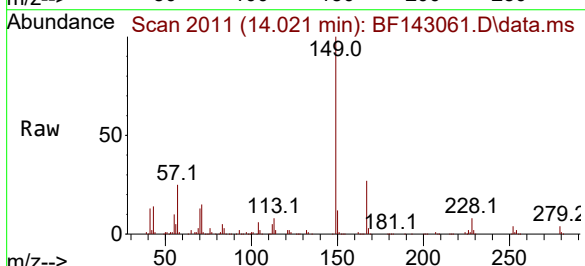
Tgt Ion:149 Resp: 133883

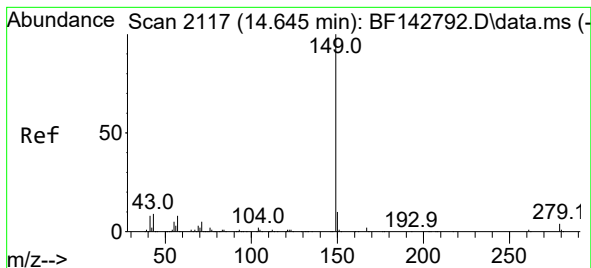
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.0

279 4.3 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 38.077 ng

RT: 14.633 min Scan# 2115

Delta R.T. -0.012 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

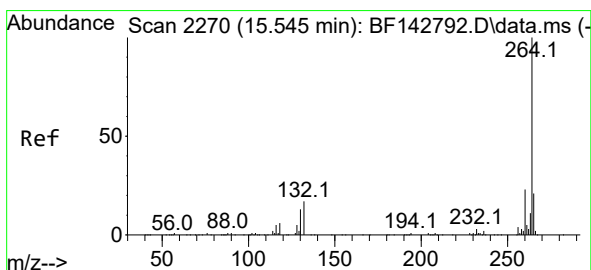
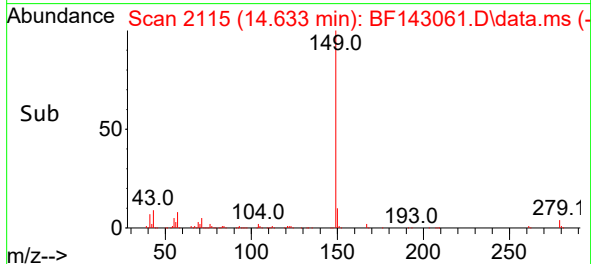
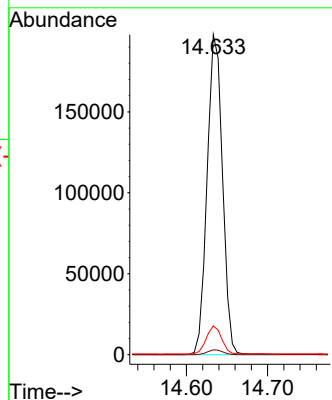
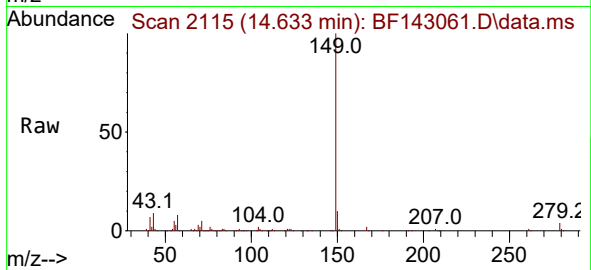
Tgt Ion:149 Resp: 259655

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 8.6 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

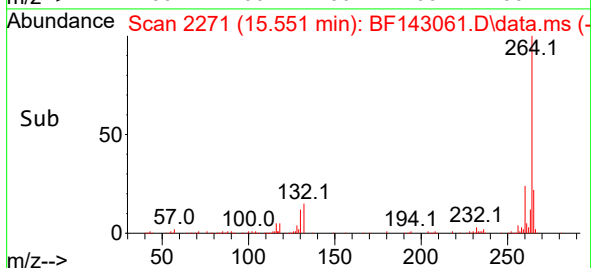
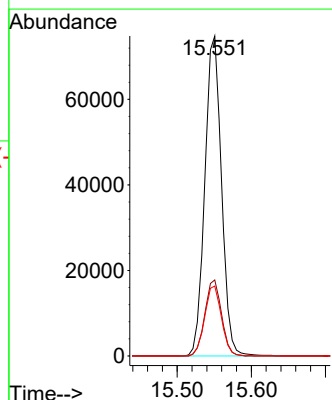
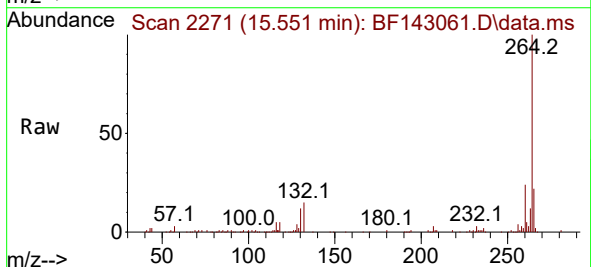
Tgt Ion:264 Resp: 117034

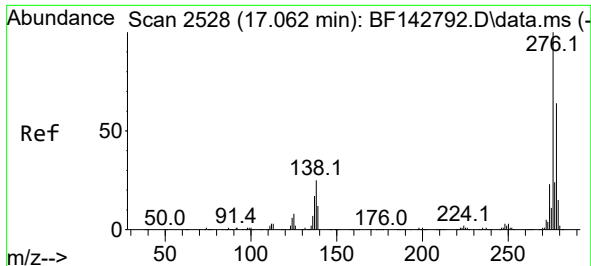
Ion Ratio Lower Upper

264 100

260 23.7 18.1 27.1

265 21.8 16.6 25.0

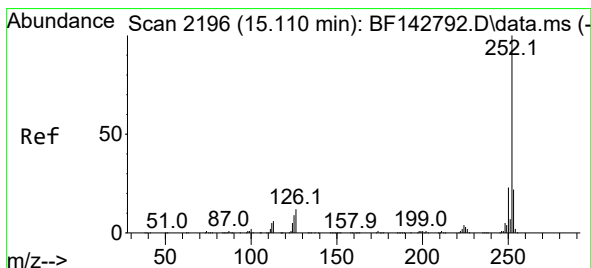
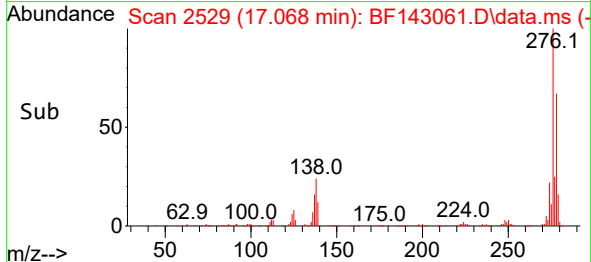
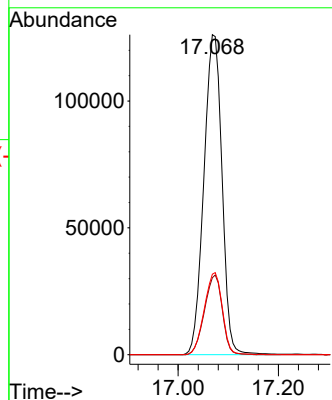
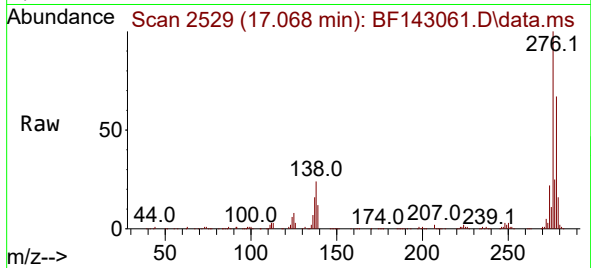




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 35.508 ng  
 RT: 17.068 min Scan# 2129  
 Delta R.T. 0.006 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

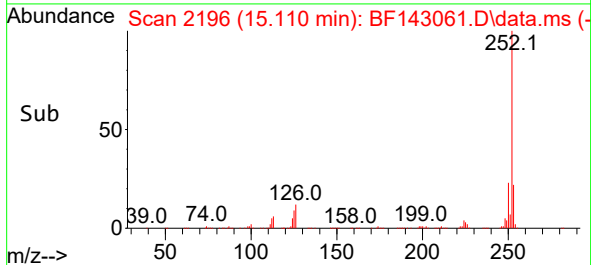
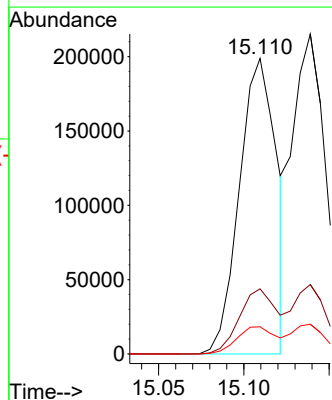
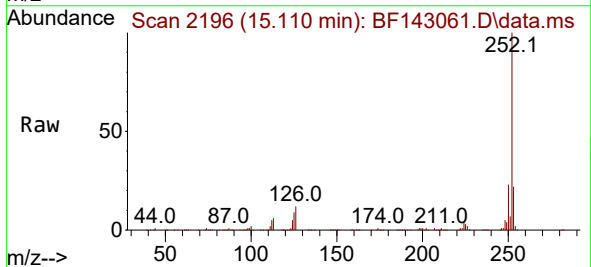
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-14MSD

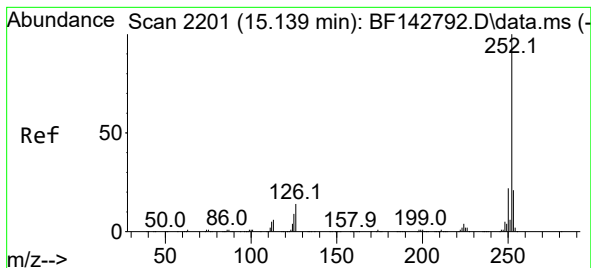
Tgt Ion:276 Resp: 316533  
 Ion Ratio Lower Upper  
 276 100  
 138 24.4 20.2 30.4  
 277 25.5 19.8 29.6



#88  
 Benzo(b)fluoranthene  
 Concen: 44.279 ng  
 RT: 15.110 min Scan# 2196  
 Delta R.T. 0.000 min  
 Lab File: BF143061.D  
 Acq: 09 Jul 2025 17:30

Tgt Ion:252 Resp: 299861  
 Ion Ratio Lower Upper  
 252 100  
 253 22.0 17.5 26.3  
 125 9.2 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 46.565 ng

RT: 15.139 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

Instrument :

BNA\_F

ClientSampleId :

TP-14MSD

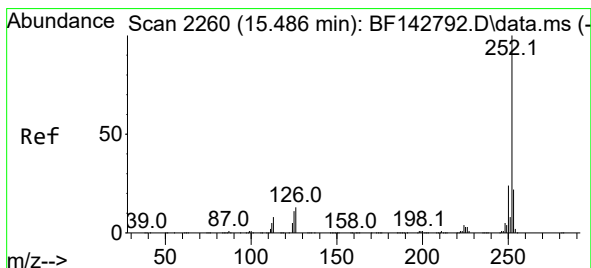
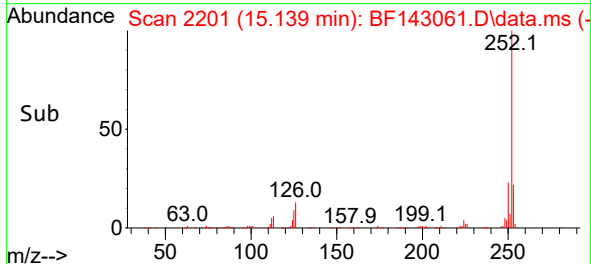
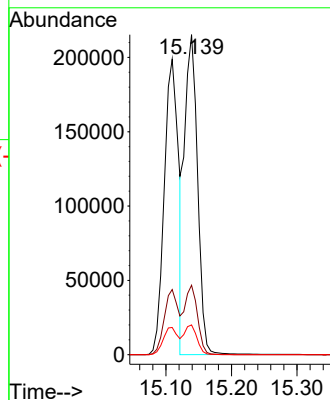
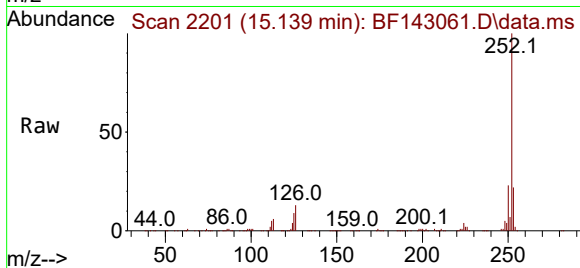
Tgt Ion:252 Resp: 295028

Ion Ratio Lower Upper

252 100

253 21.7 17.2 25.8

125 9.3 7.4 11.2



#90

Benzo(a)pyrene

Concen: 44.991 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143061.D

Acq: 09 Jul 2025 17:30

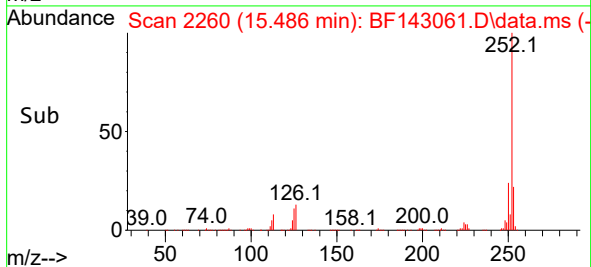
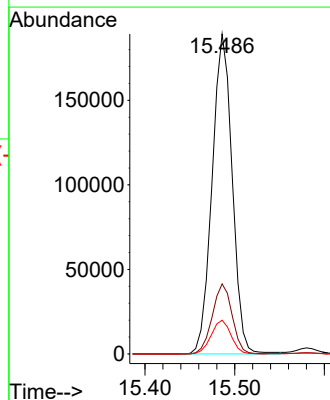
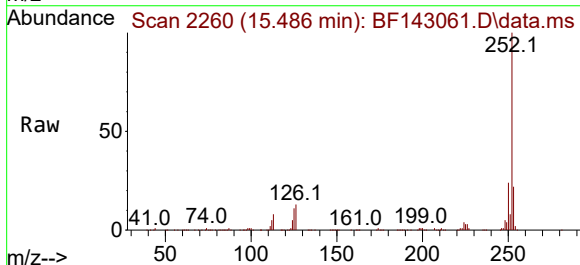
Tgt Ion:252 Resp: 294343

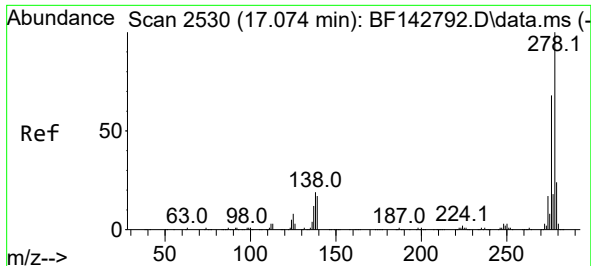
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.5 8.6 12.8

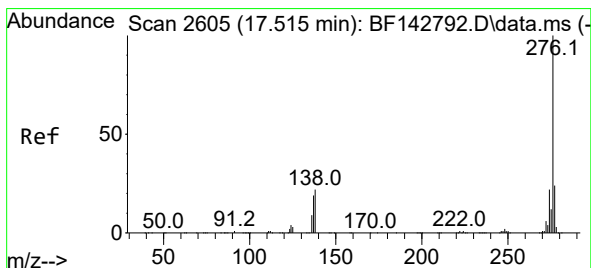
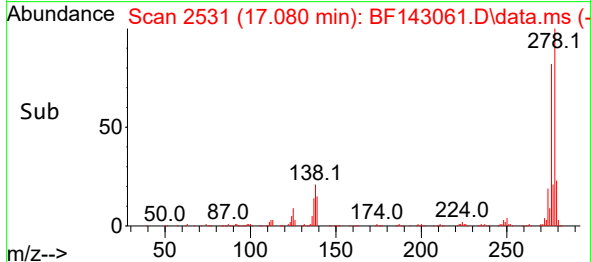
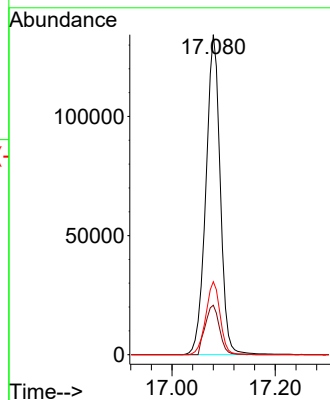
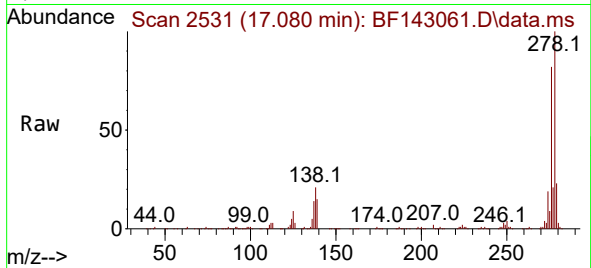




#91  
Dibenzo(a,h)anthracene  
Concen: 35.699 ng  
RT: 17.080 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Instrument :  
BNA\_F  
ClientSampleId :  
TP-14MSD

Tgt Ion:278 Resp: 258572  
Ion Ratio Lower Upper  
278 100  
139 15.5 13.5 20.3  
279 22.8 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 32.679 ng  
RT: 17.527 min Scan# 2607  
Delta R.T. 0.012 min  
Lab File: BF143061.D  
Acq: 09 Jul 2025 17:30

Tgt Ion:276 Resp: 236028  
Ion Ratio Lower Upper  
276 100  
277 24.0 18.8 28.2  
138 20.5 17.6 26.4

