

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072425\  
 Data File : BF143234.D  
 Acq On : 24 Jul 2025 15:29  
 Operator : RC/JU  
 Sample : Q2668-04MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

Quant Time: Jul 24 15:59:16 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF071725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.963  | 152  | 109426   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 403271   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 187839   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.486 | 188  | 290285   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.121 | 240  | 267616   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.627 | 264  | 264420   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.610  | 112  | 707839   | 102.364 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.593  | 99   | 821956   | 94.438  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.516  | 82   | 626468   | 77.436  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.786 | 330  | 230307   | 118.685 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1104474  | 80.415  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.069 | 244  | 1091184  | 60.676  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.993  | 88   | 100385   | 30.680  | ng    | # 83     |
| 3) Pyridine                   | 3.693  | 79   | 251041   | 29.560  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.622  | 42   | 155992   | 35.576  | ng    | 98       |
| 6) Aniline                    | 6.622  | 93   | 149767   | 12.347  | ng    | 93       |
| 8) 2-Chlorophenol             | 6.751  | 128  | 273302   | 37.706  | ng    | 97       |
| 9) Benzaldehyde               | 6.510  | 77   | 110645   | 16.953  | ng    | 98       |
| 10) Phenol                    | 6.604  | 94   | 312270   | 32.934  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.692  | 93   | 271947   | 37.459  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.904  | 146  | 278542   | 35.375  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.981  | 146  | 283532   | 35.757  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.134  | 146  | 272221   | 36.095  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.098  | 79   | 258125   | 38.841  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.234  | 45   | 490163   | 36.396  | ng    | 99       |
| 17) 2-Methylphenol            | 7.210  | 107  | 230258   | 37.781  | ng    | 99       |
| 18) Hexachloroethane          | 7.481  | 117  | 97407    | 35.484  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 207605   | 37.178  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.357  | 107  | 280390   | 37.920  | ng    | # 83     |
| 22) Acetophenone              | 7.363  | 105  | 376271   | 39.410  | ng    | 96       |
| 24) Nitrobenzene              | 7.540  | 77   | 298174   | 39.532  | ng    | 99       |
| 25) Isophorone                | 7.775  | 82   | 563191   | 39.434  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.851  | 139  | 145113   | 44.330  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.887  | 122  | 261452   | 39.183  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.981  | 93   | 339056   | 39.596  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.092  | 162  | 227329   | 40.398  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.181  | 180  | 234960   | 38.649  | ng    | 99       |
| 31) Naphthalene               | 8.263  | 128  | 776191   | 39.082  | ng    | 100      |
| 32) Benzoic acid              | 7.969  | 122  | 88877    | 26.273  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.304  | 127  | 46309    | 5.710   | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.387  | 225  | 146825   | 39.536  | ng    | 99       |
| 35) Caprolactam               | 8.657  | 113  | 60914    | 35.823  | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.786  | 107  | 239026   | 39.081  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 480301   | 39.742  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.051  | 142  | 491881   | 39.524  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.122  | 216  | 236698   | 43.646  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.110  | 237  | 206787   | 58.602  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.228  | 196  | 162475   | 43.289  | ng    | 99       |

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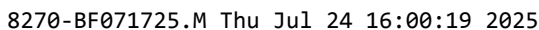
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

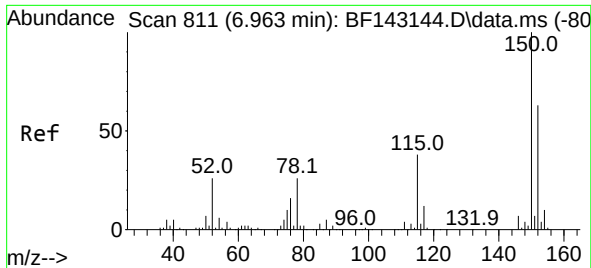
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 17 15:14:05 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.269  | 196  | 159643   | 42.522 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.416  | 154  | 653246   | 44.575 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.445  | 162  | 466428   | 43.014 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.534  | 65   | 154288   | 45.371 | ng    | 98       |
| 49) Acenaphthylene            | 9.857  | 152  | 781757   | 43.019 | ng    | 100      |
| 50) Dimethylphthalate         | 9.710  | 163  | 569583   | 46.520 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.769  | 165  | 115008   | 46.174 | ng    | 98       |
| 52) Acenaphthene              | 10.033 | 154  | 454485   | 42.314 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.939  | 138  | 45535    | 15.630 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.039 | 184  | 39493    | 38.734 | ng    | # 19     |
| 55) Dibenzofuran              | 10.204 | 168  | 678268   | 42.534 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.098 | 139  | 169535   | 77.928 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.175 | 165  | 147470   | 47.192 | ng    | 96       |
| 58) Fluorene                  | 10.545 | 166  | 506529   | 42.323 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.322 | 232  | 128690   | 41.380 | ng    | 99       |
| 60) Diethylphthalate          | 10.416 | 149  | 537944   | 44.451 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.533 | 204  | 256960   | 43.118 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.551 | 138  | 99945    | 40.028 | ng    | 97       |
| 63) Azobenzene                | 10.698 | 77   | 525715   | 41.681 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.580 | 198  | 37974    | 27.553 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.651 | 169  | 451570   | 44.177 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.028 | 248  | 151798   | 43.880 | ng    | 99       |
| 68) Hexachlorobenzene         | 11.098 | 284  | 153163   | 42.359 | ng    | 99       |
| 69) Atrazine                  | 11.175 | 200  | 137558   | 48.813 | ng    | 99       |
| 70) Pentachlorophenol         | 11.286 | 266  | 159875   | 75.186 | ng    | 98       |
| 71) Phenanthrene              | 11.510 | 178  | 678210   | 44.002 | ng    | 100      |
| 72) Anthracene                | 11.563 | 178  | 692819   | 44.073 | ng    | 100      |
| 73) Carbazole                 | 11.710 | 167  | 646920   | 47.129 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.039 | 149  | 799311   | 51.464 | ng    | 100      |
| 75) Fluoranthene              | 12.698 | 202  | 753680   | 53.274 | ng    | 99       |
| 77) Benzidine                 | 12.810 | 184  | 239532   | 23.232 | ng    | 98       |
| 78) Pyrene                    | 12.927 | 202  | 777138   | 34.026 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.539 | 149  | 346366   | 49.525 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.116 | 228  | 784276   | 43.773 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.069 | 252  | 103133   | 17.271 | ng    | 99       |
| 83) Chrysene                  | 14.151 | 228  | 686286   | 42.603 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.098 | 149  | 497523   | 46.999 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.710 | 149  | 872775   | 45.485 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.162 | 276  | 542663   | 29.105 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.180 | 252  | 788712   | 48.826 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.215 | 252  | 700207   | 48.576 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.563 | 252  | 683229   | 45.906 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.180 | 278  | 448469   | 29.551 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.627 | 276  | 395648   | 26.951 | ng    | 98       |

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

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QLast Update : Thu Jul 17 15:14:05 2025  
Response via : Initial Calibration

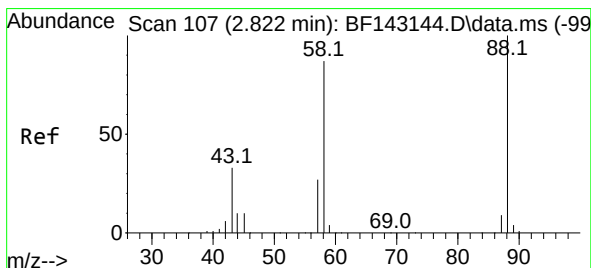
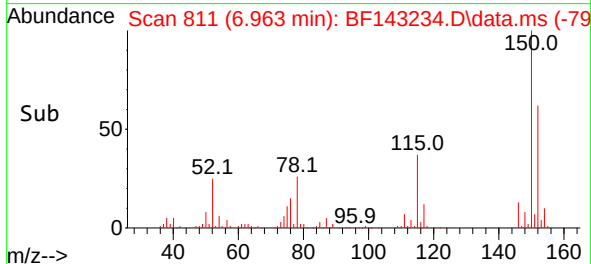
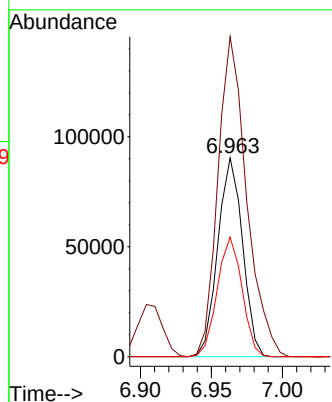
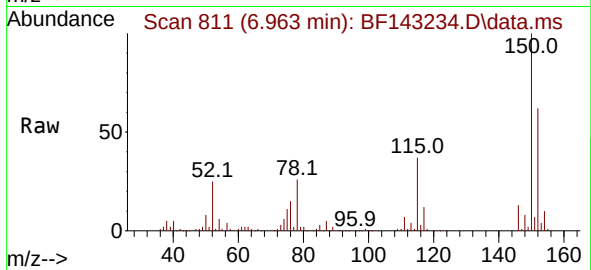




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.963 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

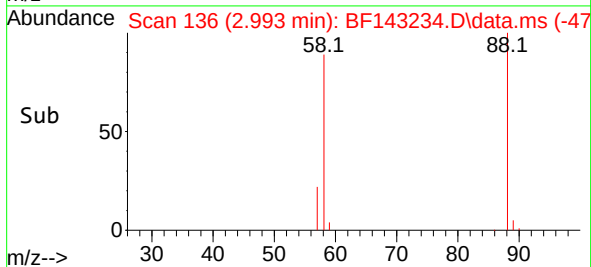
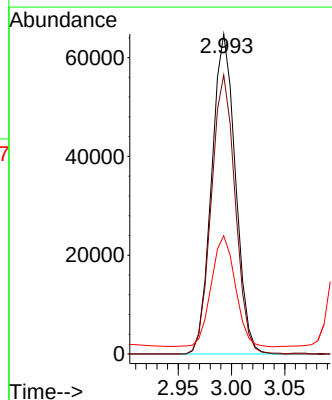
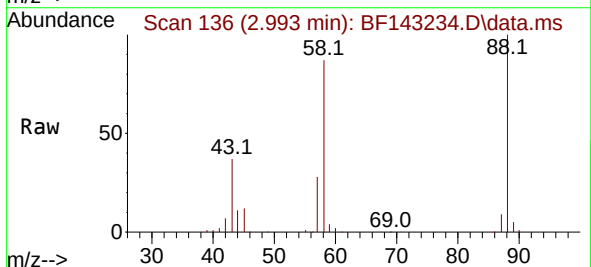
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

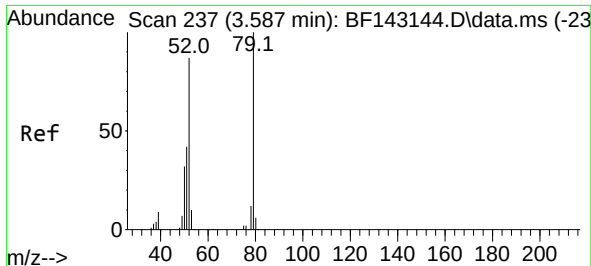
Tgt Ion:152 Resp: 109426  
Ion Ratio Lower Upper  
152 100  
150 161.0 128.2 192.4  
115 60.2 47.9 71.9



#2  
1,4-Dioxane  
Concen: 30.680 ng  
RT: 2.993 min Scan# 136  
Delta R.T. 0.171 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion: 88 Resp: 100385  
Ion Ratio Lower Upper  
88 100  
58 87.5 70.2 105.2  
43 0.0 27.1 40.7#





#3

Pyridine

Concen: 29.560 ng

RT: 3.693 min Scan# 21

Delta R.T. 0.106 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

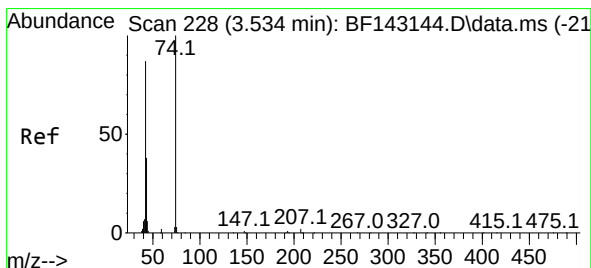
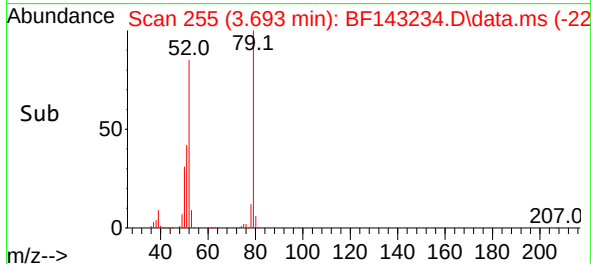
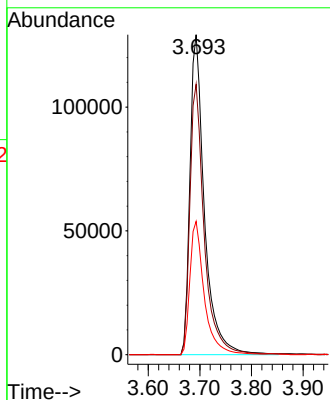
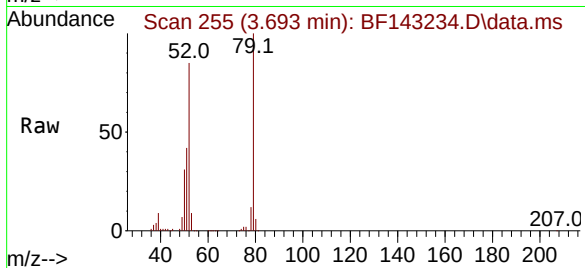
Tgt Ion: 79 Resp: 251041

Ion Ratio Lower Upper

79 100

52 84.5 69.4 104.2

51 41.6 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 35.576 ng

RT: 3.622 min Scan# 243

Delta R.T. 0.088 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

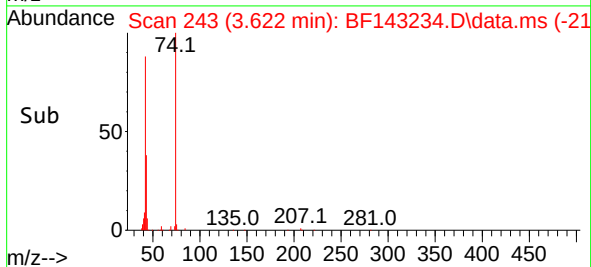
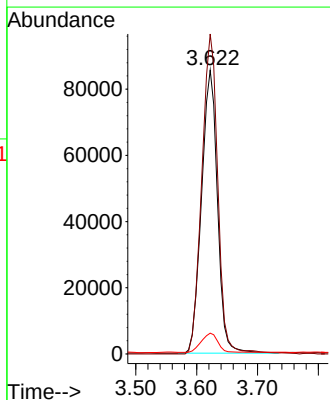
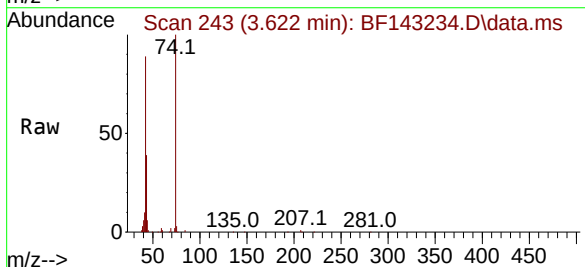
Tgt Ion: 42 Resp: 155992

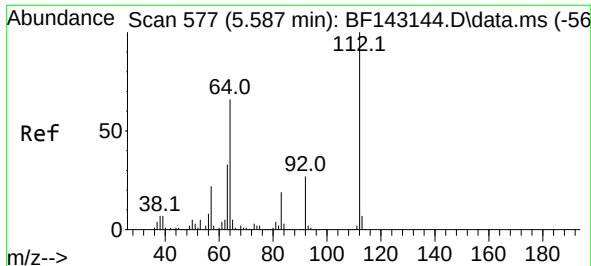
Ion Ratio Lower Upper

42 100

74 112.8 91.7 137.5

44 7.3 5.6 8.4

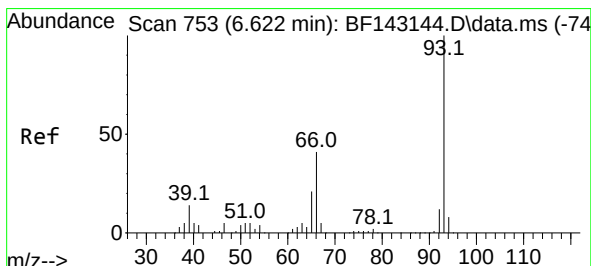
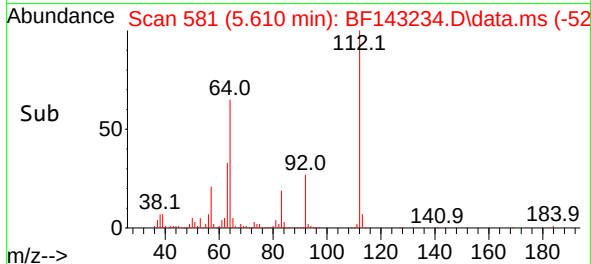
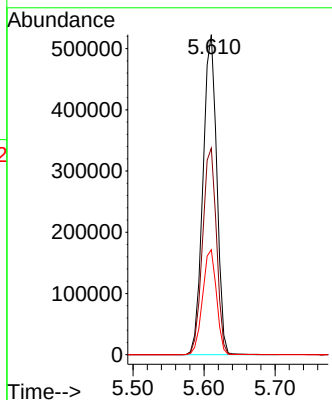
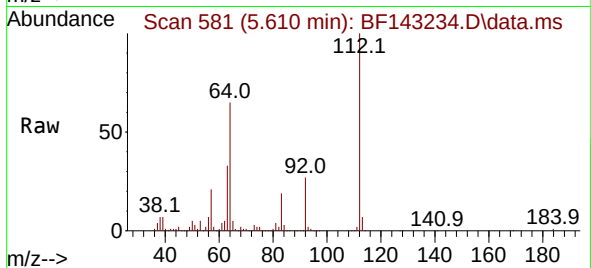




#5  
2-Fluorophenol  
Concen: 102.364 ng  
RT: 5.610 min Scan# 581  
Delta R.T. 0.024 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

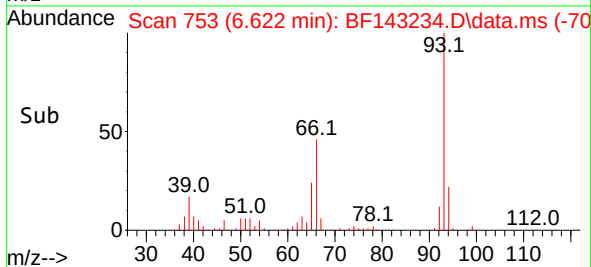
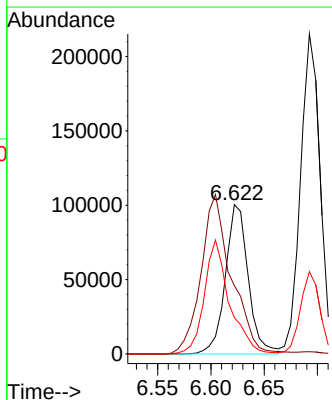
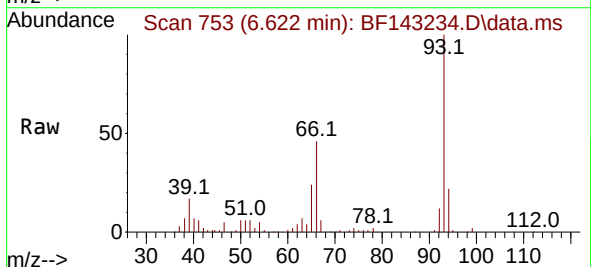
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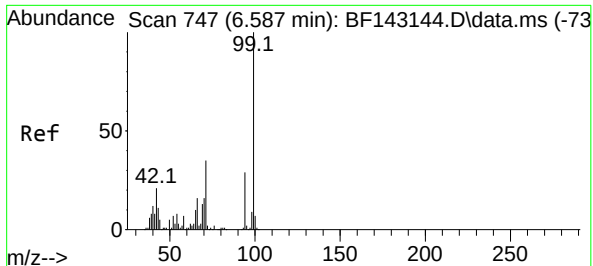
Tgt Ion:112 Resp: 707839  
Ion Ratio Lower Upper  
112 100  
64 64.5 53.1 79.7  
63 32.8 26.6 40.0



#6  
Aniline  
Concen: 12.347 ng  
RT: 6.622 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion: 93 Resp: 149767  
Ion Ratio Lower Upper  
93 100  
66 45.8 33.2 49.8  
65 24.3 16.9 25.3

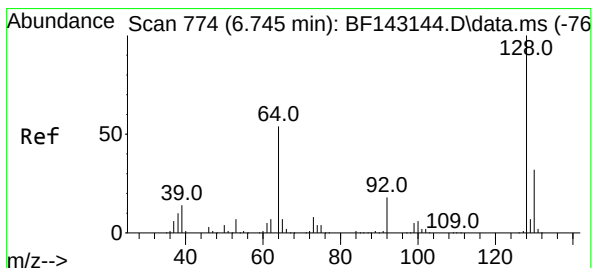
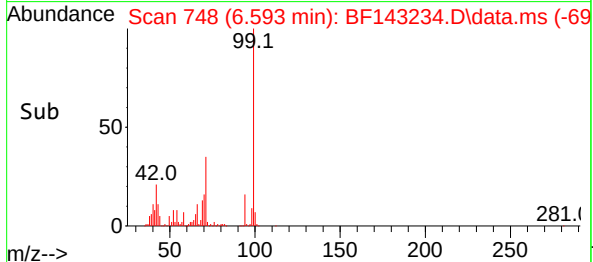
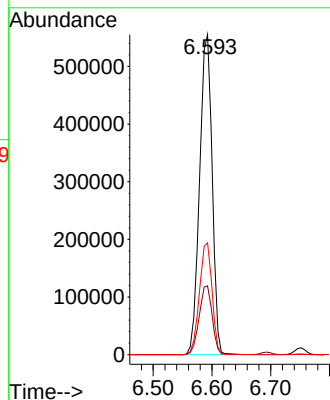
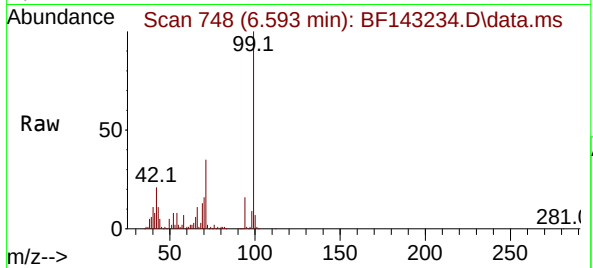




#7  
Phenol-d6  
Concen: 94.438 ng  
RT: 6.593 min Scan# 747  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

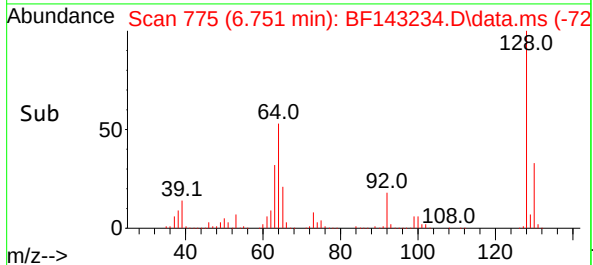
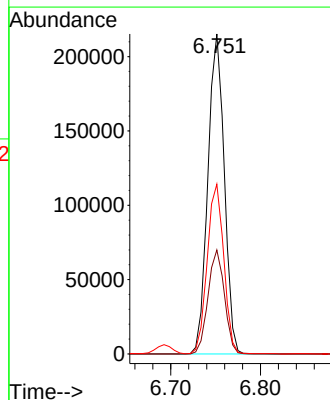
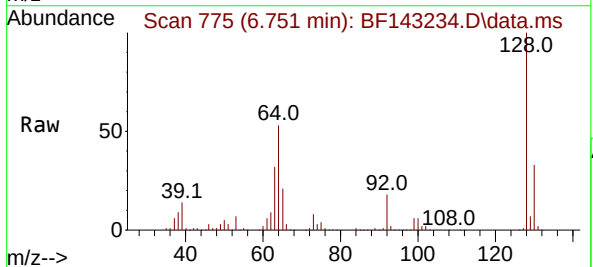
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ClientSampleId :  
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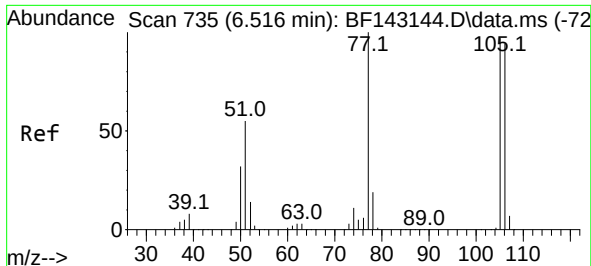
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Ion Ratio Lower Upper  
99 100  
42 21.5 17.0 25.6  
71 34.9 27.7 41.5



#8  
2-Chlorophenol  
Concen: 37.706 ng  
RT: 6.751 min Scan# 775  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:128 Resp: 273302  
Ion Ratio Lower Upper  
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130 32.5 12.3 52.3  
64 53.0 35.9 75.9

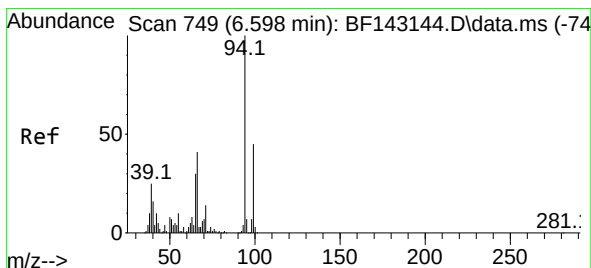
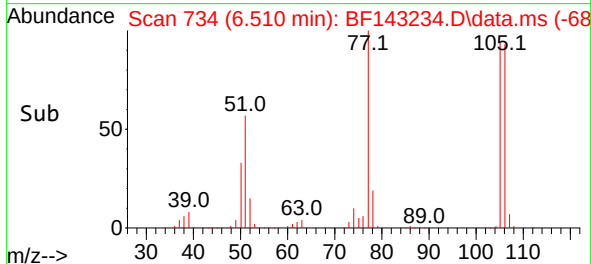
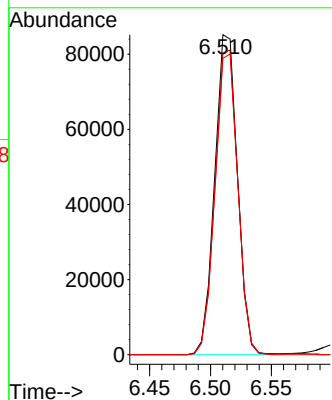
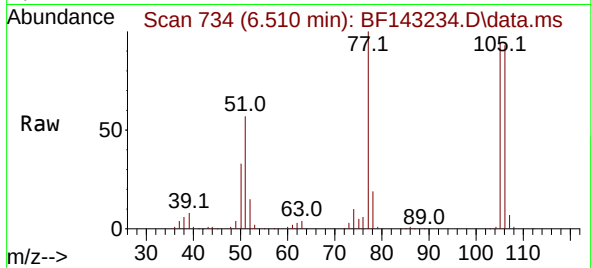




#9  
Benzaldehyde  
Concen: 16.953 ng  
RT: 6.510 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

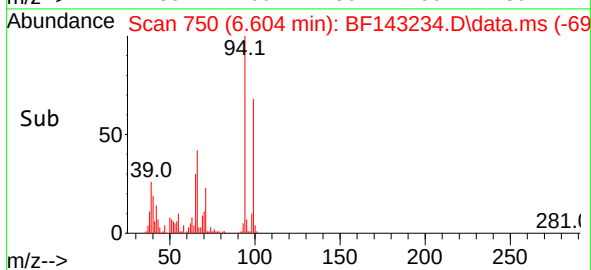
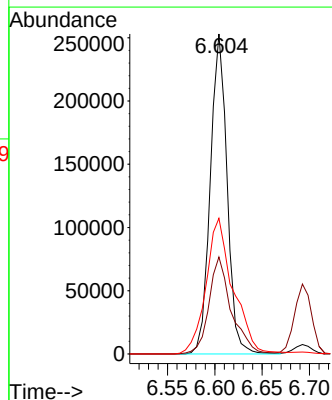
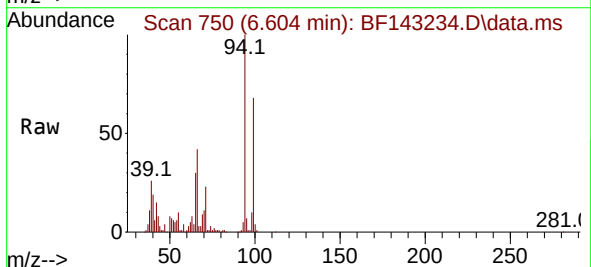
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

Tgt Ion: 77 Resp: 110645  
Ion Ratio Lower Upper  
77 100  
105 94.2 76.8 116.8  
106 92.6 74.4 114.4

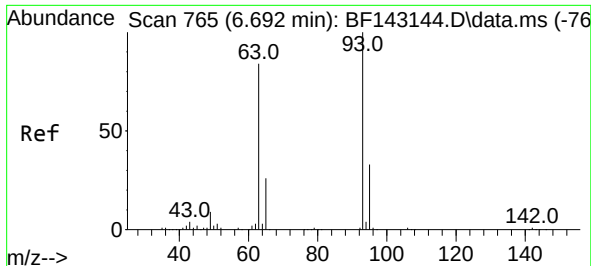


#10  
Phenol  
Concen: 32.934 ng  
RT: 6.604 min Scan# 750  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion: 94 Resp: 312270  
Ion Ratio Lower Upper  
94 100  
65 30.3 10.0 50.0  
66 42.4 20.8 60.8







#11

bis(2-Chloroethyl)ether

Concen: 37.459 ng

RT: 6.692 min Scan# 765

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

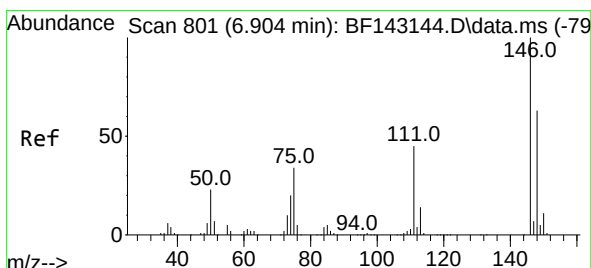
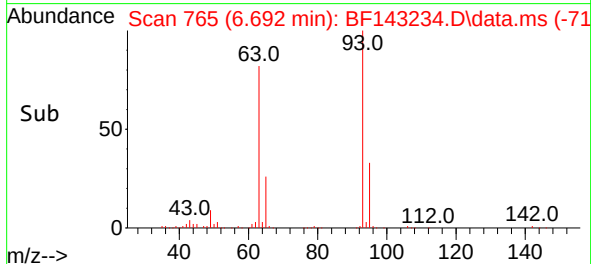
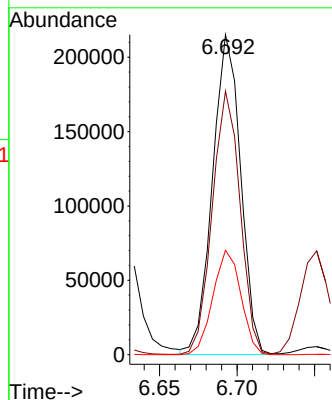
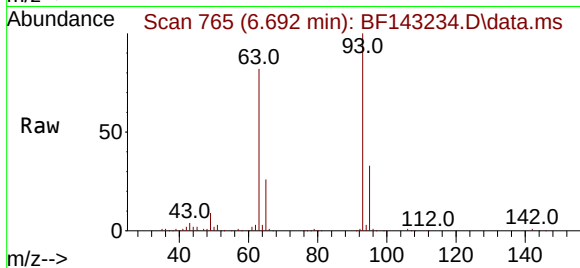
Tgt Ion: 93 Resp: 271947

Ion Ratio Lower Upper

93 100

63 82.3 63.4 103.4

95 32.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 35.375 ng

RT: 6.904 min Scan# 801

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

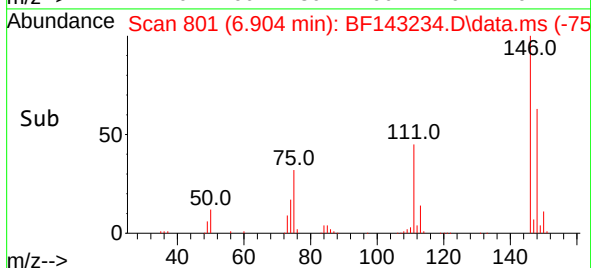
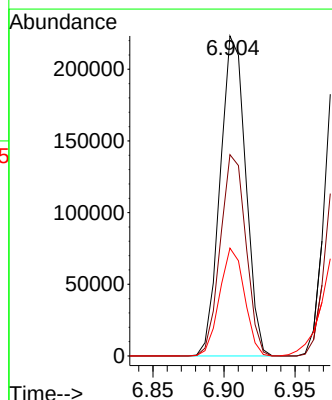
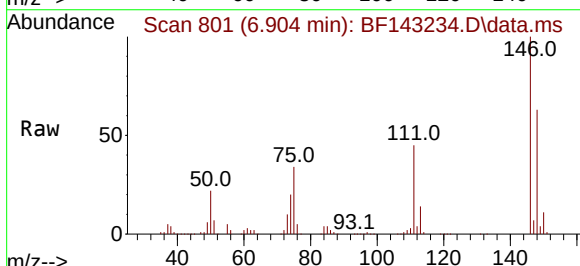
Tgt Ion:146 Resp: 278542

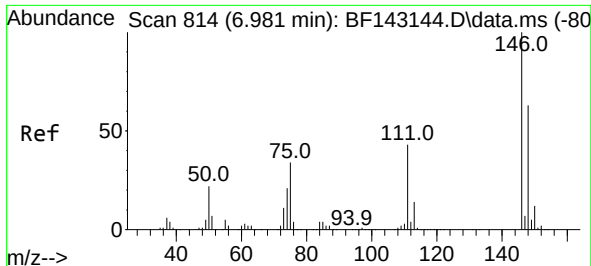
Ion Ratio Lower Upper

146 100

148 62.9 50.6 76.0

75 33.7 27.4 41.2

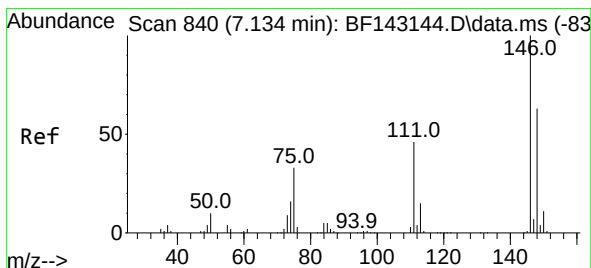
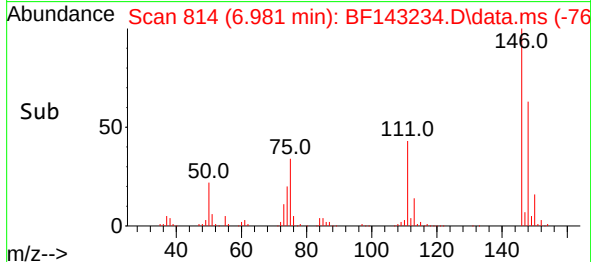
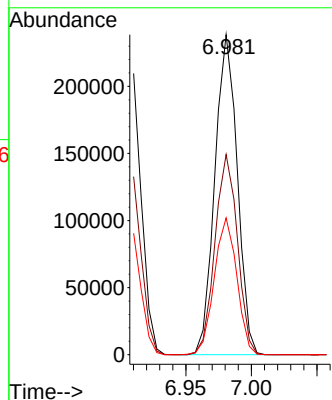
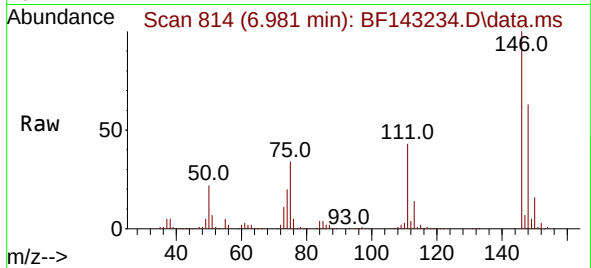




#13  
 1,4-Dichlorobenzene  
 Concen: 35.757 ng  
 RT: 6.981 min Scan# 814  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

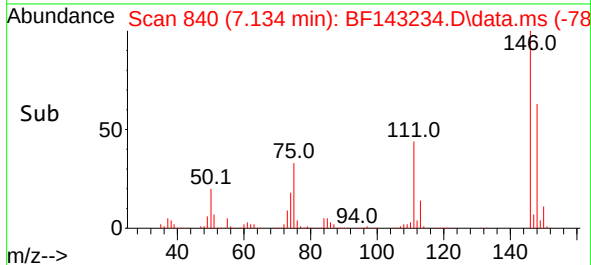
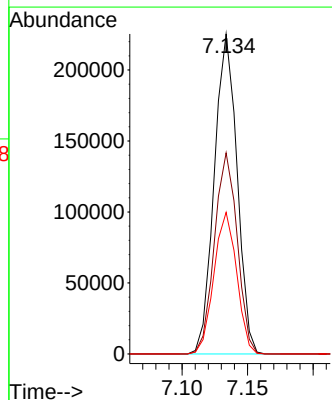
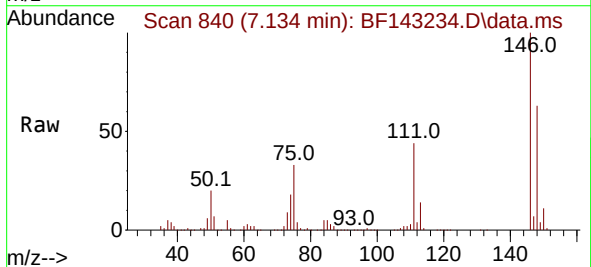
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

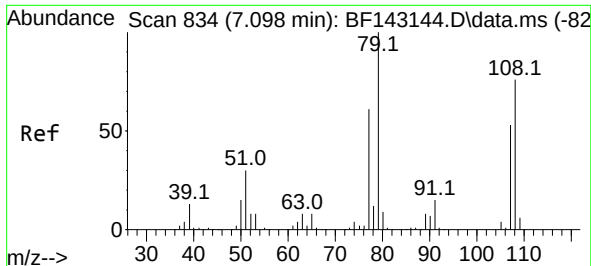
Tgt Ion:146 Resp: 283532  
 Ion Ratio Lower Upper  
 146 100  
 148 62.5 50.3 75.5  
 111 42.7 34.4 51.6



#14  
 1,2-Dichlorobenzene  
 Concen: 36.095 ng  
 RT: 7.134 min Scan# 840  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

Tgt Ion:146 Resp: 272221  
 Ion Ratio Lower Upper  
 146 100  
 148 62.8 50.7 76.1  
 111 44.3 36.6 54.8

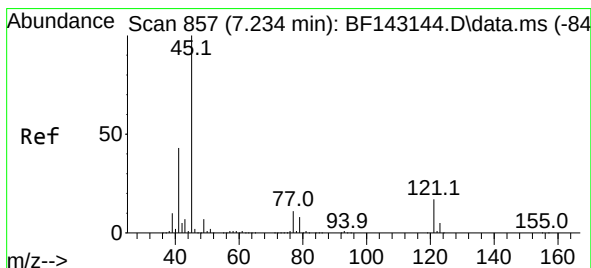
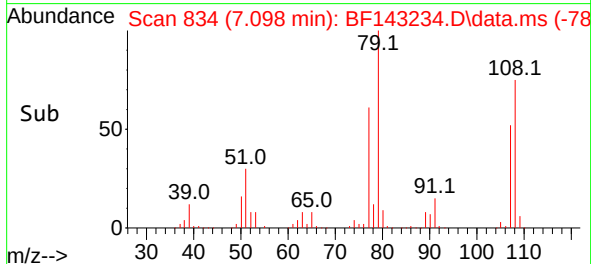
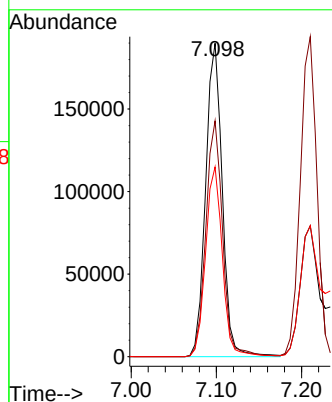
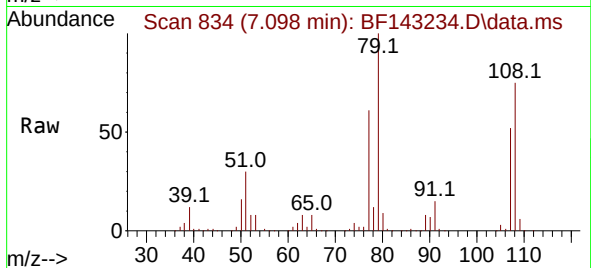




#15  
Benzyl Alcohol  
Concen: 38.841 ng  
RT: 7.098 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

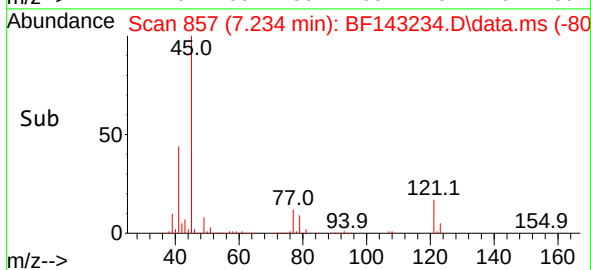
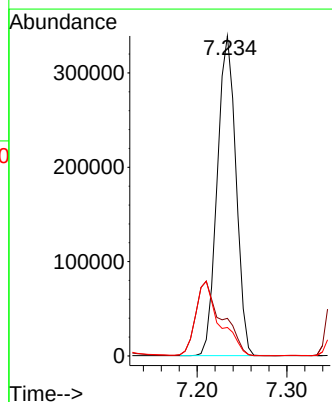
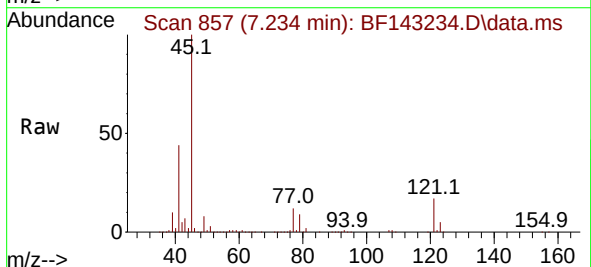
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

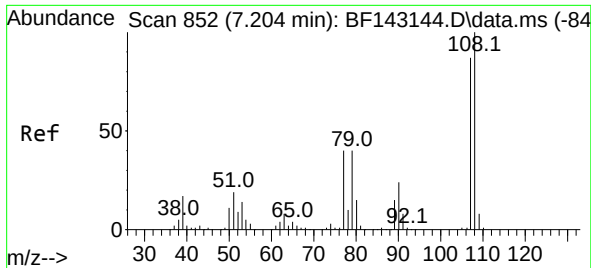
Tgt Ion: 79 Resp: 258125  
Ion Ratio Lower Upper  
79 100  
108 75.3 61.1 91.7  
77 60.6 48.9 73.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 36.396 ng  
RT: 7.234 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion: 45 Resp: 490163  
Ion Ratio Lower Upper  
45 100  
77 11.7 0.0 31.2  
79 8.9 0.0 28.5

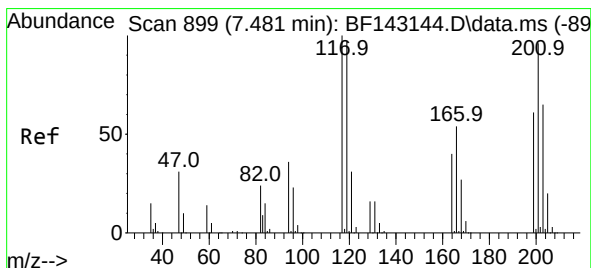
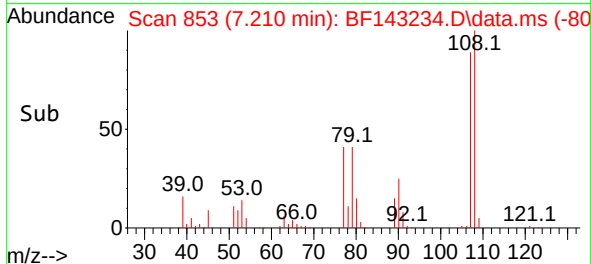
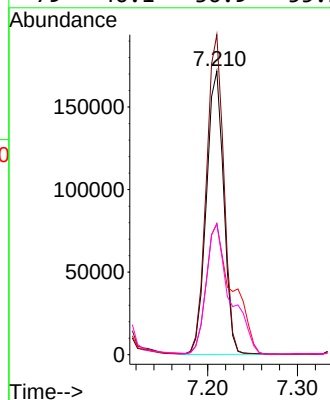
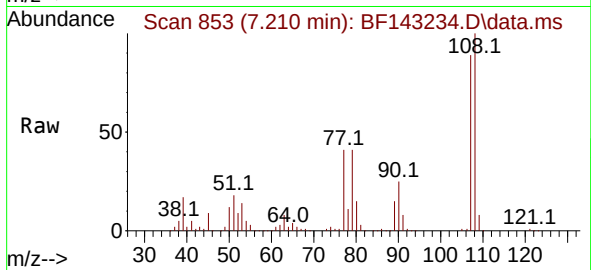




#17  
2-Methylphenol  
Concen: 37.781 ng  
RT: 7.210 min Scan# 853  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

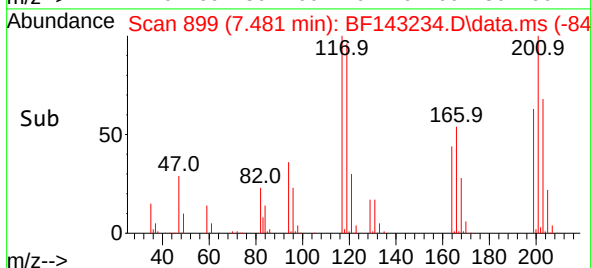
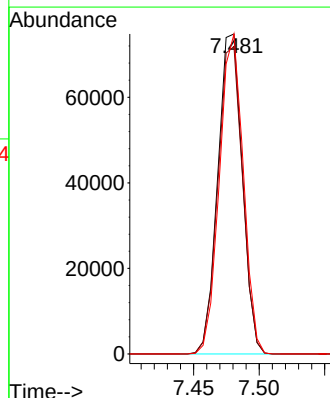
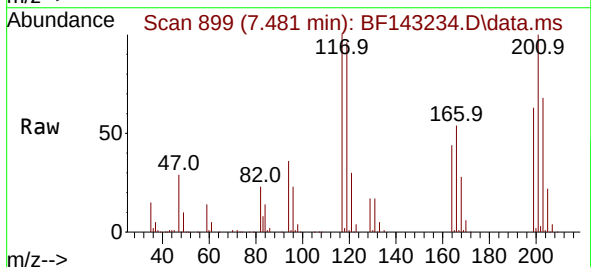
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

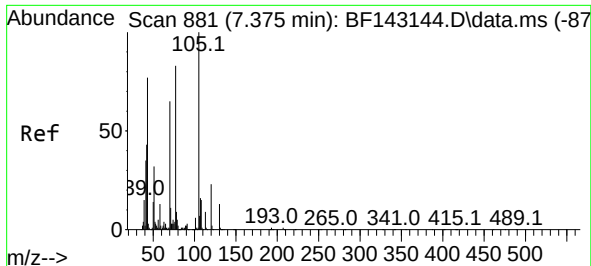
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 230258 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.9 | 91.8  | 137.6  |
| 77       | 46.2  | 37.0  | 55.6   |
| 79       | 46.1  | 36.9  | 55.3   |



#18  
Hexachloroethane  
Concen: 35.484 ng  
RT: 7.481 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 97407 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.1  | 77.8  | 116.8 |
| 201      | 99.9  | 77.0  | 115.4 |

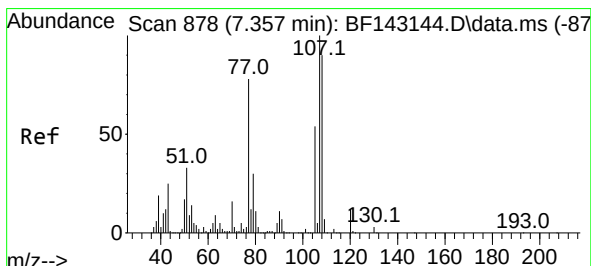
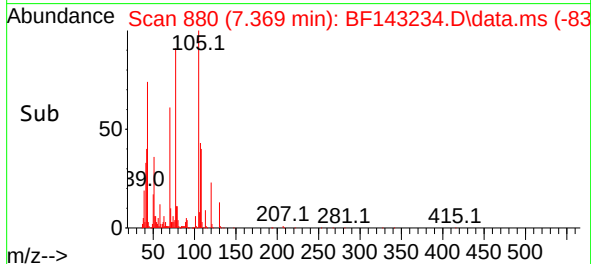
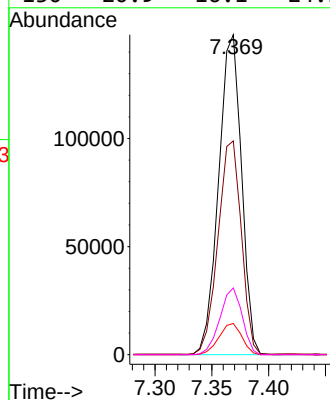
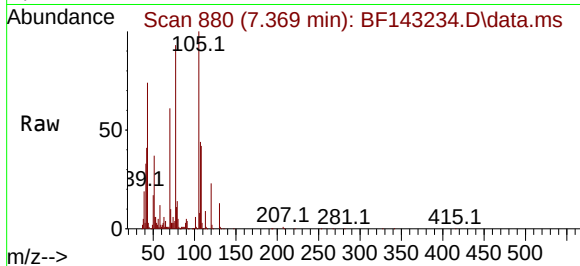




#19  
n-Nitroso-di-n-propylamine  
Concen: 37.178 ng  
RT: 7.369 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

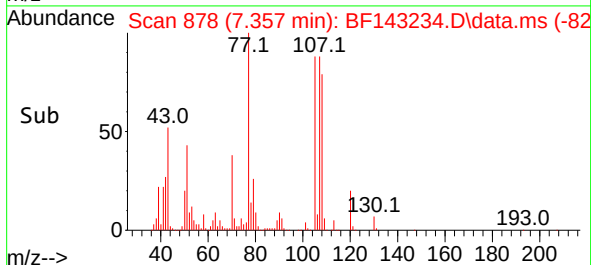
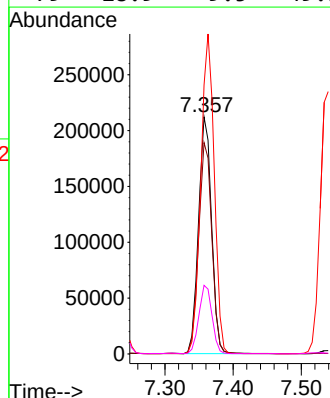
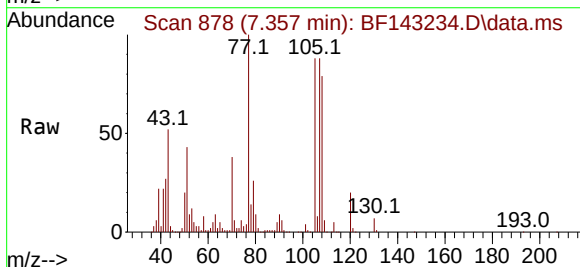
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

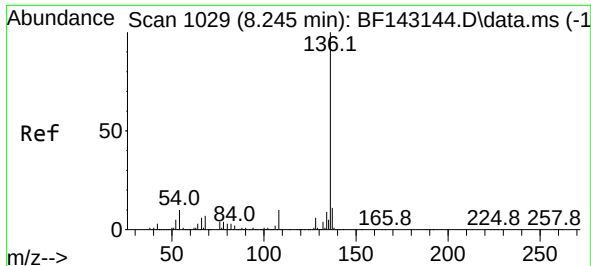
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 207605 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 66.8  | 52.5  | 78.7   |
| 101      | 9.8   | 7.6   | 11.4   |
| 130      | 20.9  | 16.1  | 24.1   |



#20  
3+4-Methylphenols  
Concen: 37.920 ng  
RT: 7.357 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 280390 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.2  | 70.0  | 110.0  |
| 77       | 113.4 | 57.8  | 97.8#  |
| 79       | 28.9  | 9.5   | 49.5   |

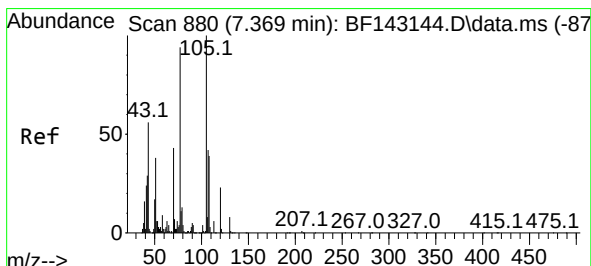
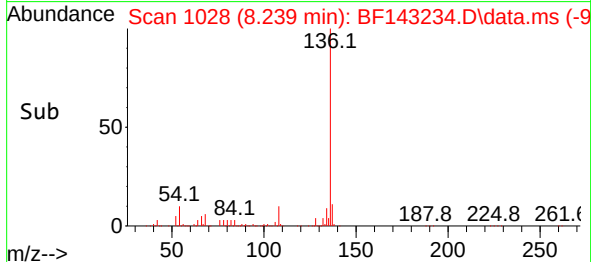
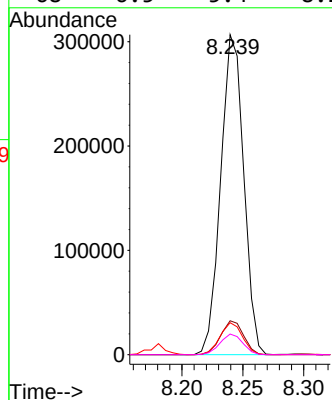
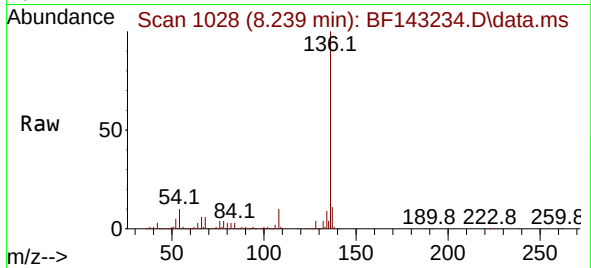




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1028  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

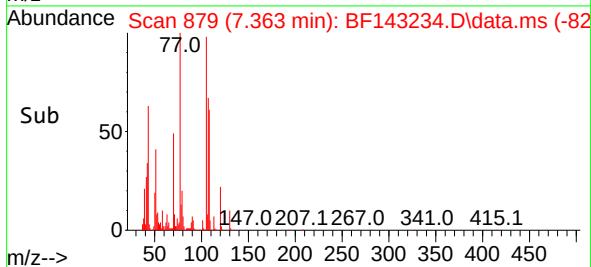
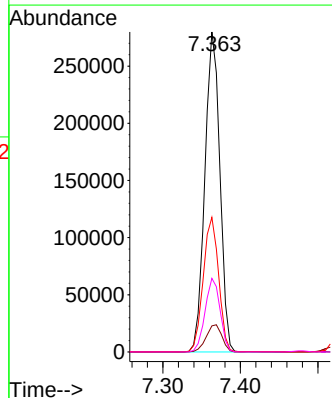
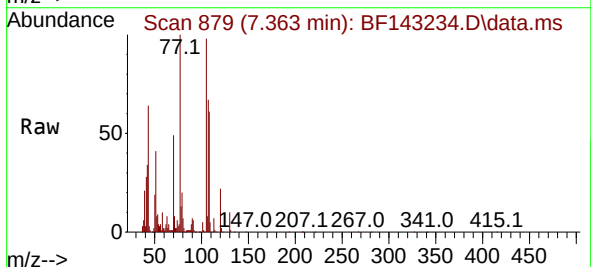
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

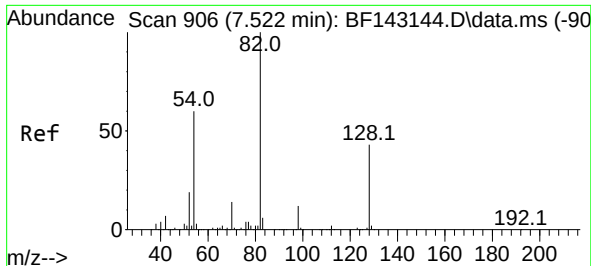
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 403271 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 10.6    | 8.6 13.0     |
| 54 10.0     | 8.2 12.2     |
| 68 6.5      | 5.4 8.2      |



#22  
Acetophenone  
Concen: 39.410 ng  
RT: 7.363 min Scan# 879  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:105 | Resp: | 376271 |
| Ion | Ratio   | Lower | Upper  |
| 105 | 100     |       |        |
| 71  | 8.1     | 5.8   | 8.6    |
| 51  | 42.1    | 30.2  | 45.2   |
| 120 | 23.0    | 18.2  | 27.4   |





#23

Nitrobenzene-d5

Concen: 77.436 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

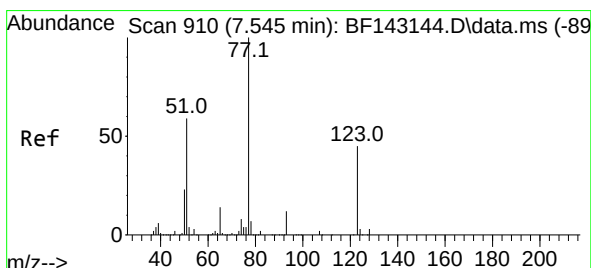
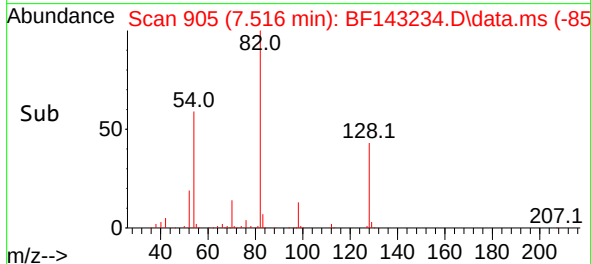
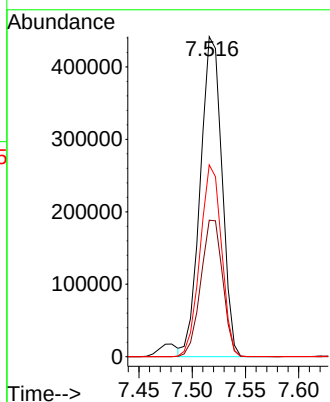
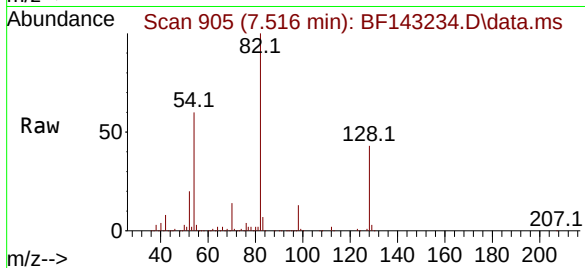
Tgt Ion: 82 Resp: 626468

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 60.0 47.1 70.7



#24

Nitrobenzene

Concen: 39.532 ng

RT: 7.540 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

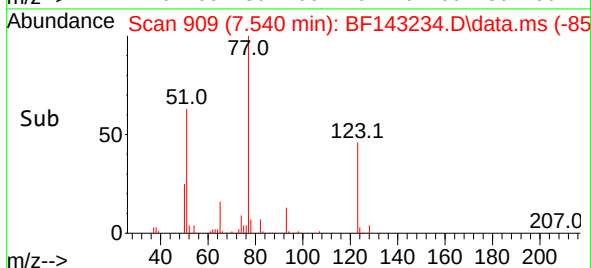
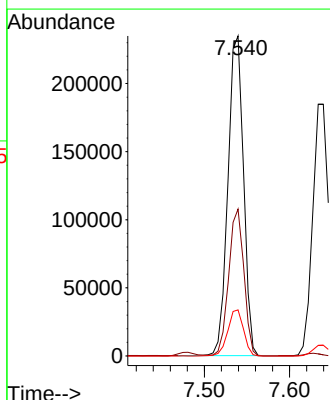
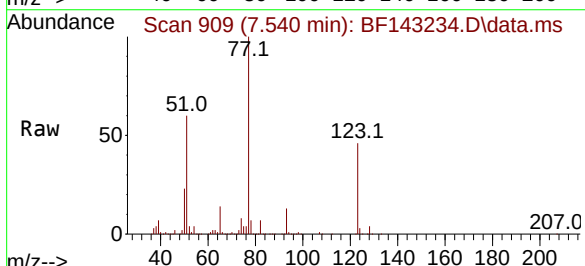
Tgt Ion: 77 Resp: 298174

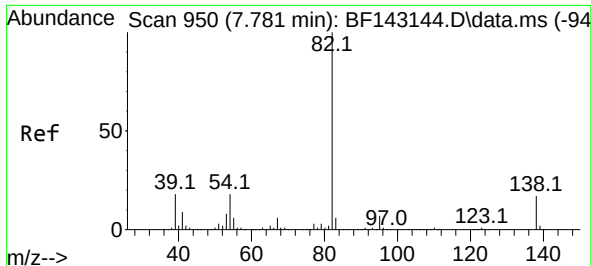
Ion Ratio Lower Upper

77 100

123 45.9 36.1 54.1

65 14.4 11.4 17.2

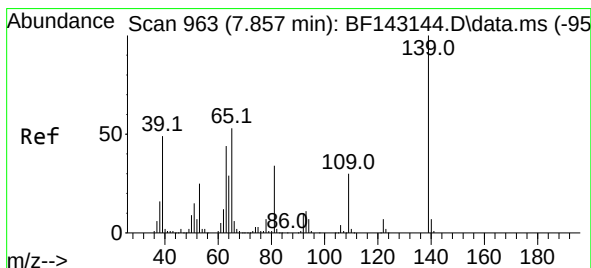
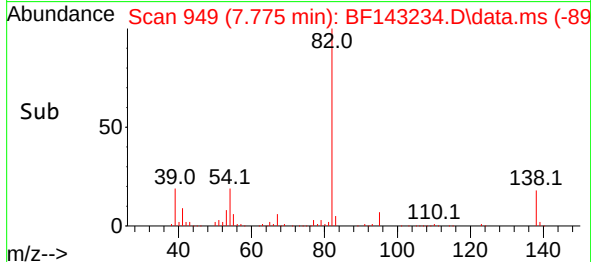
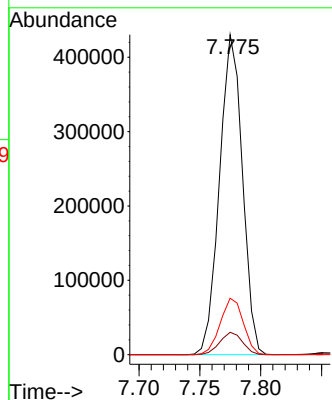
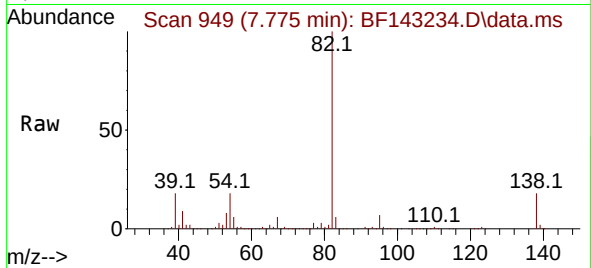




#25  
Isophorone  
Concen: 39.434 ng  
RT: 7.775 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

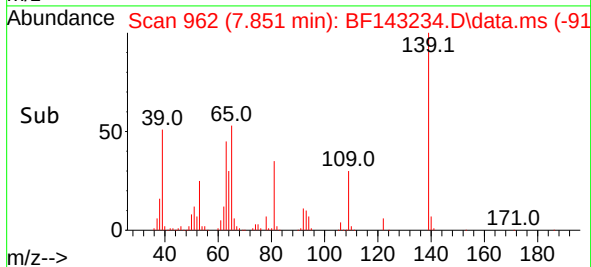
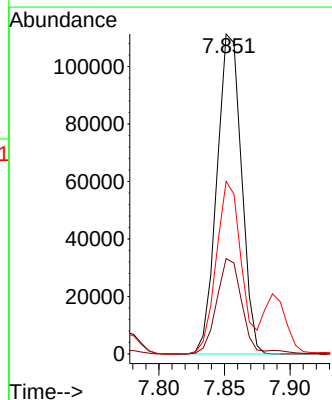
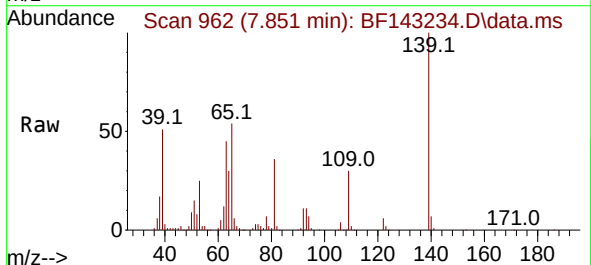
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

Tgt Ion: 82 Resp: 563191  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.5 8.3  
138 17.6 13.8 20.8

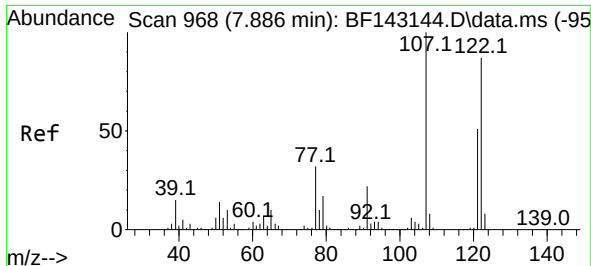


#26  
2-Nitrophenol  
Concen: 44.330 ng  
RT: 7.851 min Scan# 962  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:139 Resp: 145113  
Ion Ratio Lower Upper  
139 100  
109 29.8 23.6 35.4  
65 53.9 42.6 64.0







#27

2,4-Dimethylphenol

Concen: 39.183 ng

RT: 7.887 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

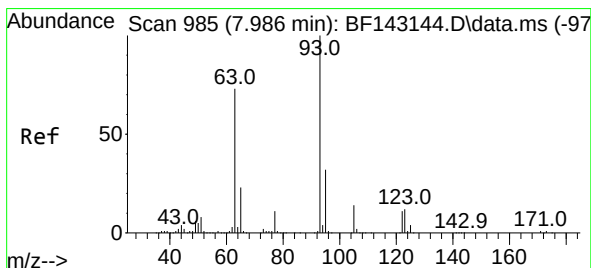
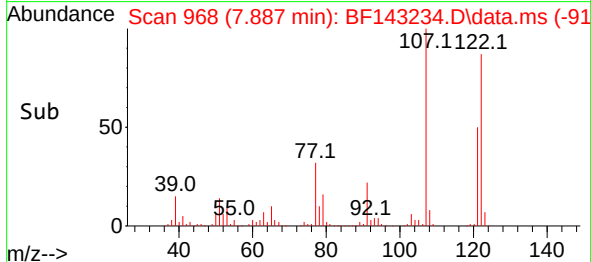
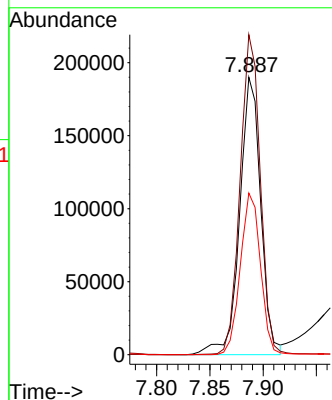
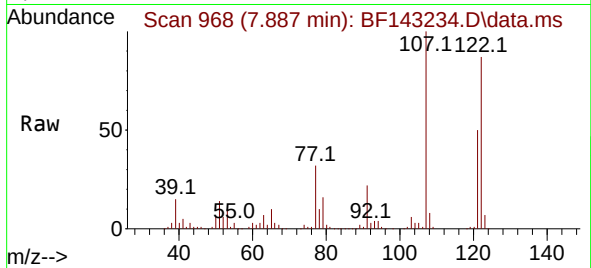
Tgt Ion:122 Resp: 261452

Ion Ratio Lower Upper

122 100

107 115.3 91.8 137.6

121 58.2 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 39.596 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

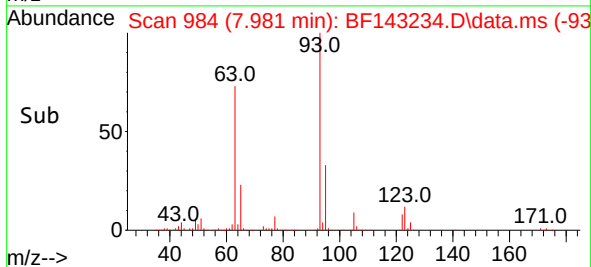
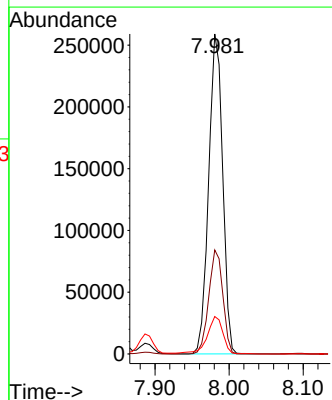
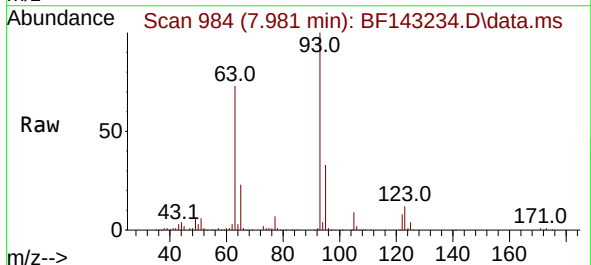
Tgt Ion: 93 Resp: 339056

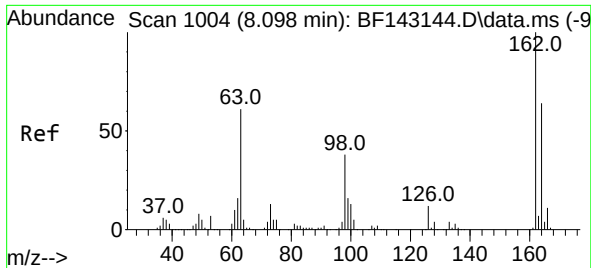
Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.6

123 11.7 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.398 ng

RT: 8.092 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

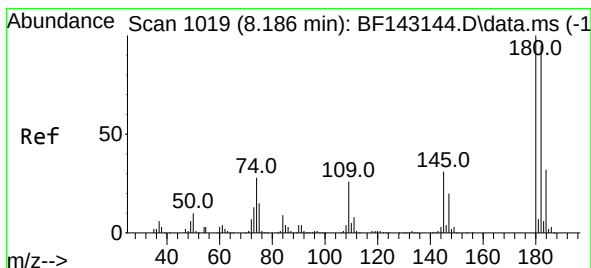
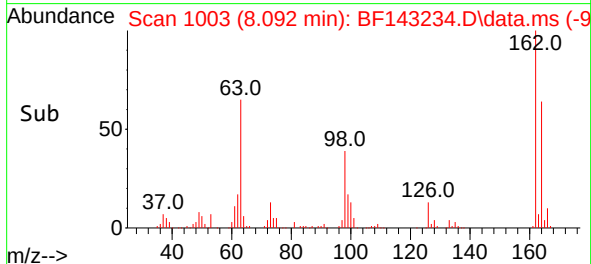
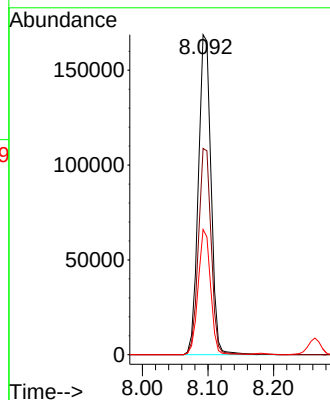
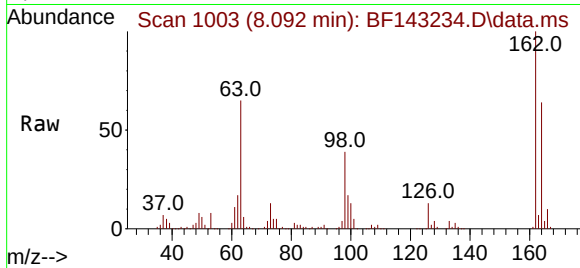
Tgt Ion:162 Resp: 227329

Ion Ratio Lower Upper

162 100

164 64.5 44.2 84.2

98 39.1 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 38.649 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

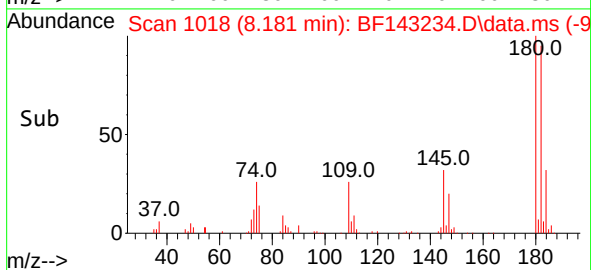
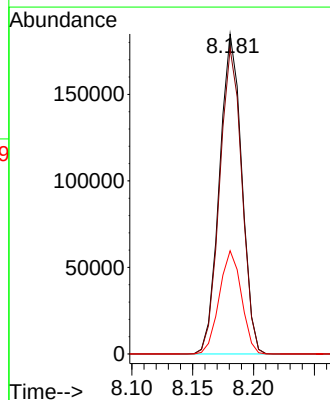
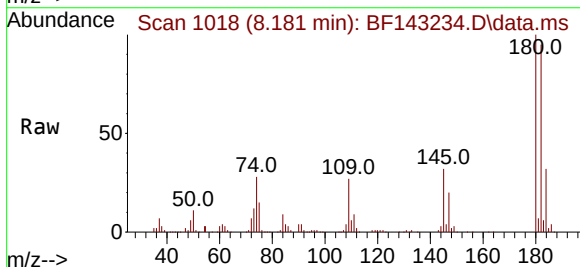
Tgt Ion:180 Resp: 234960

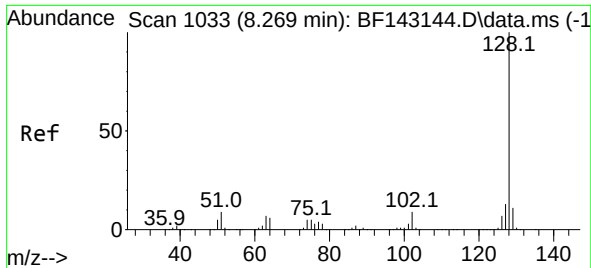
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 32.3 25.0 37.6

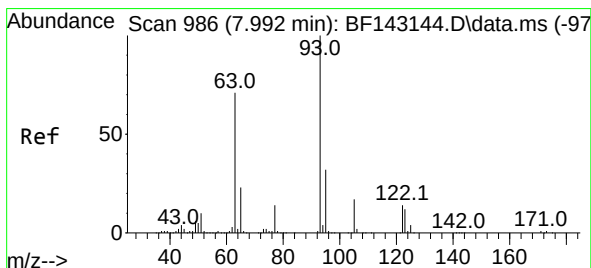
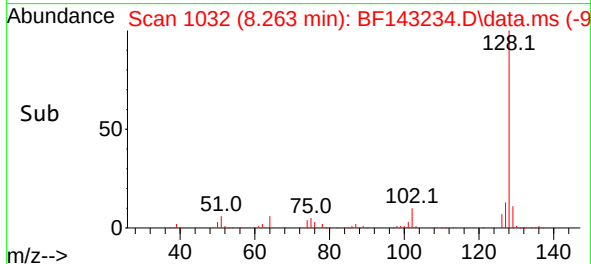
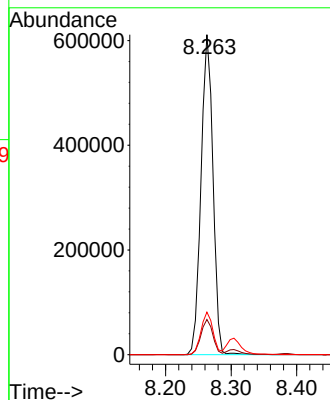
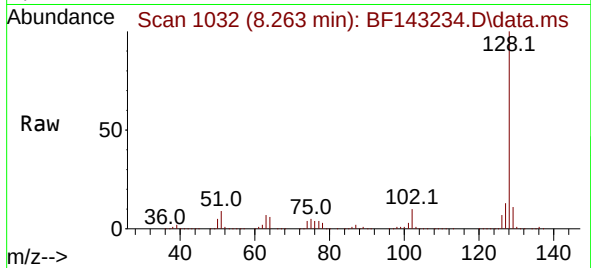




#31  
Naphthalene  
Concen: 39.082 ng  
RT: 8.263 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

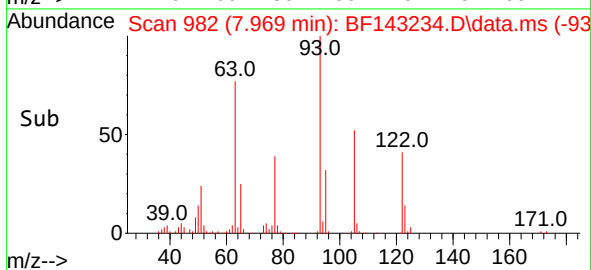
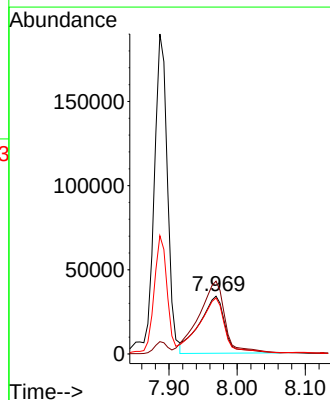
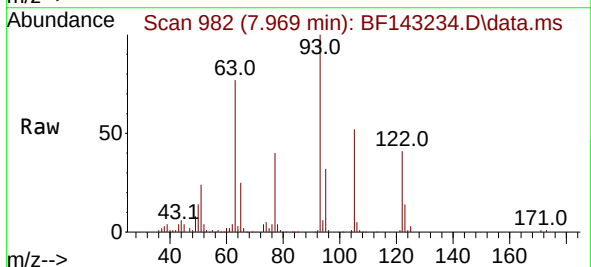
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

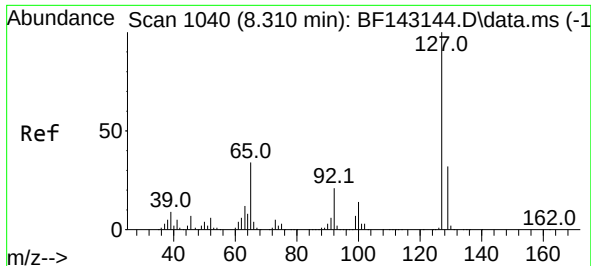
Tgt Ion:128 Resp: 776191  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.4  
127 13.3 10.6 16.0



#32  
Benzoic acid  
Concen: 26.273 ng  
RT: 7.969 min Scan# 982  
Delta R.T. -0.023 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:122 Resp: 88877  
Ion Ratio Lower Upper  
122 100  
105 126.2 104.8 144.8  
77 96.9 77.6 117.6

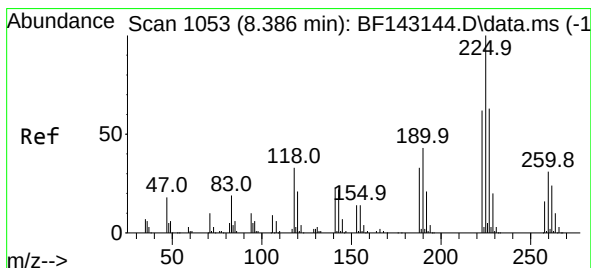
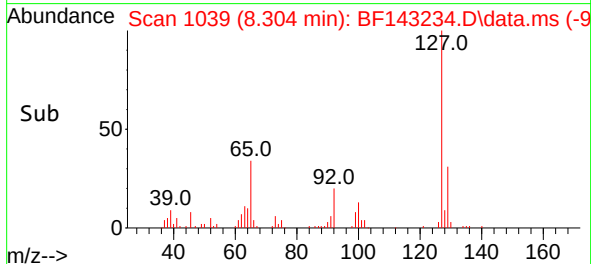
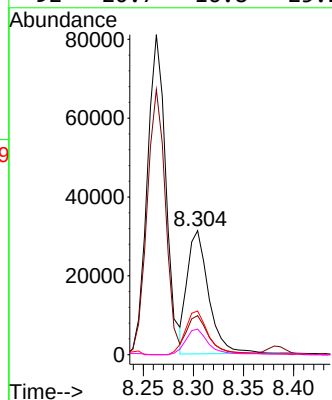
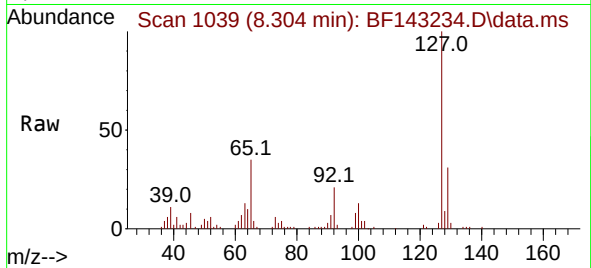




#33  
4-Chloroaniline  
Concen: 5.710 ng  
RT: 8.304 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

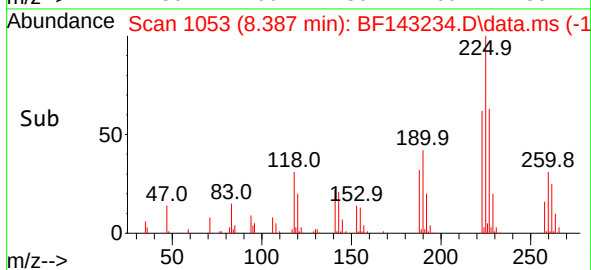
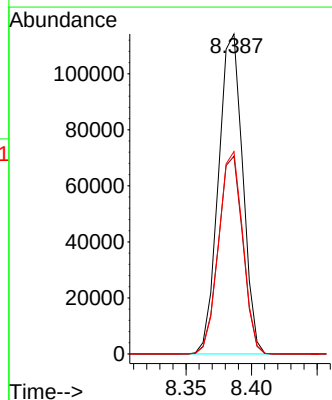
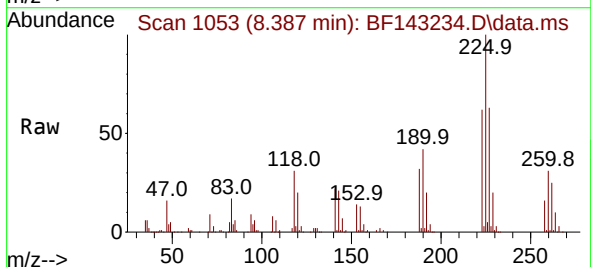
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

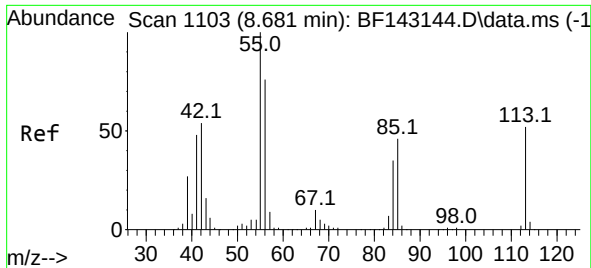
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 46309 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 31.5  | 26.0  | 39.0  |
| 65       | 35.2  | 27.4  | 41.2  |
| 92       | 20.7  | 16.8  | 25.2  |



#34  
Hexachlorobutadiene  
Concen: 39.536 ng  
RT: 8.387 min Scan# 1053  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 146825 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.8  | 49.8  | 74.6   |
| 227      | 63.3  | 50.2  | 75.4   |

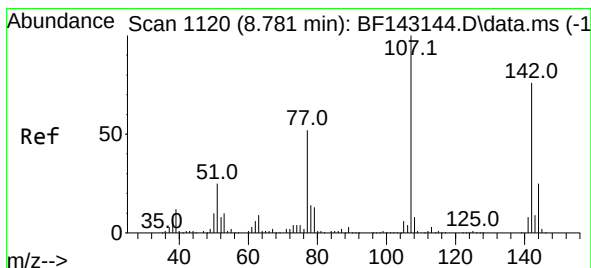
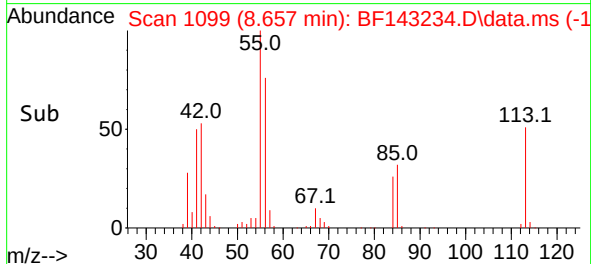
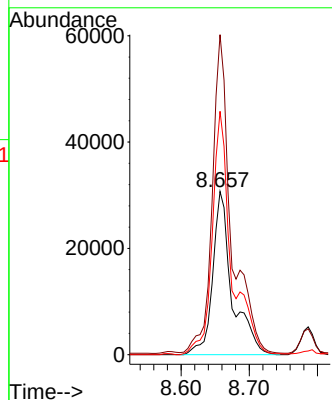
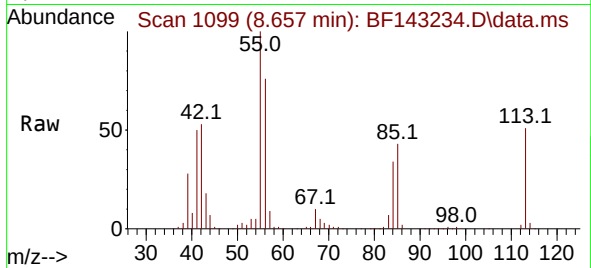




#35  
 Caprolactam  
 Concen: 35.823 ng  
 RT: 8.657 min Scan# 1109  
 Delta R.T. -0.023 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

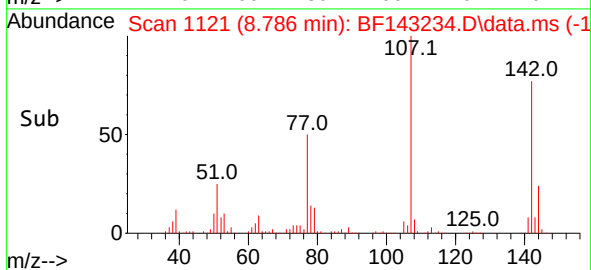
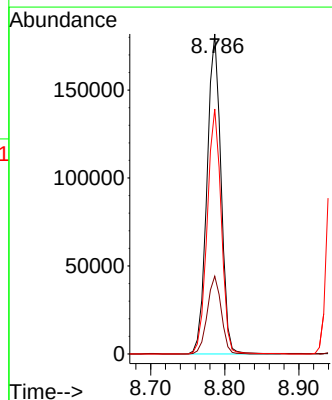
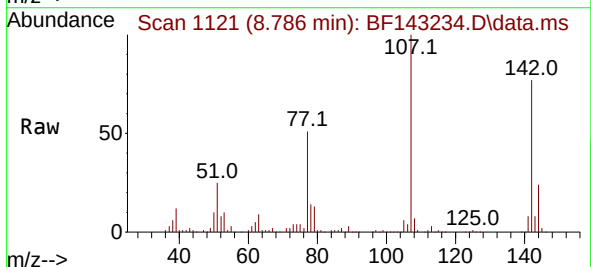
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

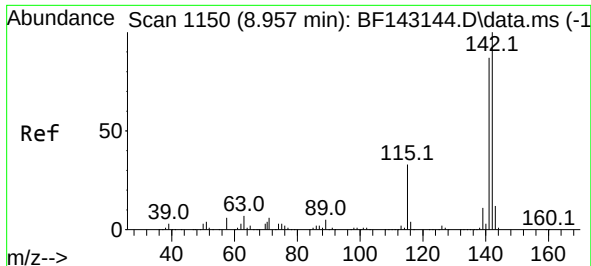
Tgt Ion:113 Resp: 60914  
 Ion Ratio Lower Upper  
 113 100  
 55 196.1 174.0 214.0  
 56 149.2 126.6 166.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 39.081 ng  
 RT: 8.786 min Scan# 1121  
 Delta R.T. 0.006 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

Tgt Ion:107 Resp: 239026  
 Ion Ratio Lower Upper  
 107 100  
 144 24.3 19.8 29.6  
 142 76.6 60.6 90.8

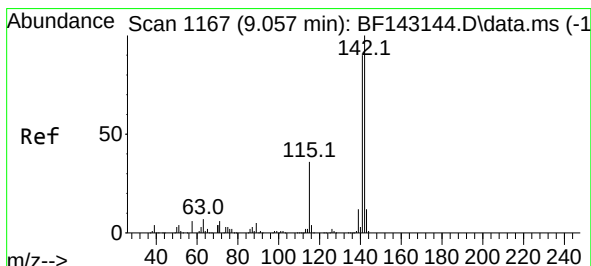
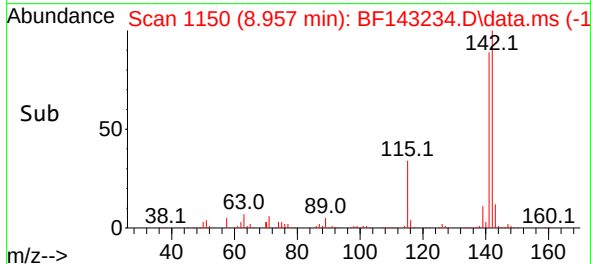
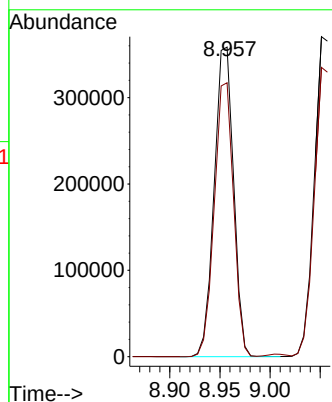
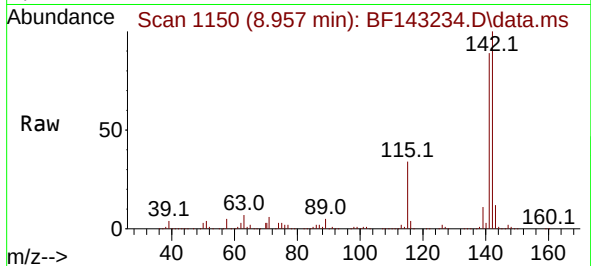




#37  
2-Methylnaphthalene  
Concen: 39.742 ng  
RT: 8.957 min Scan# 1150  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

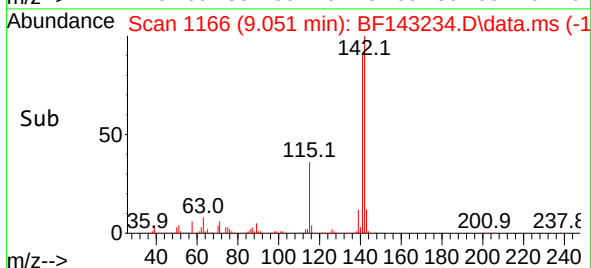
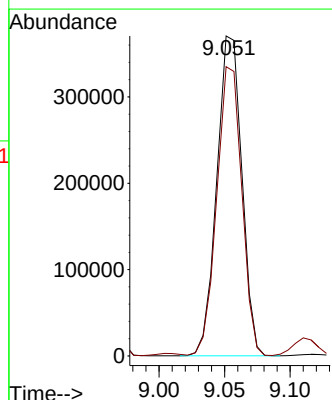
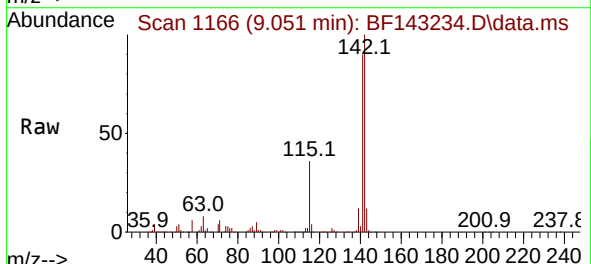
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

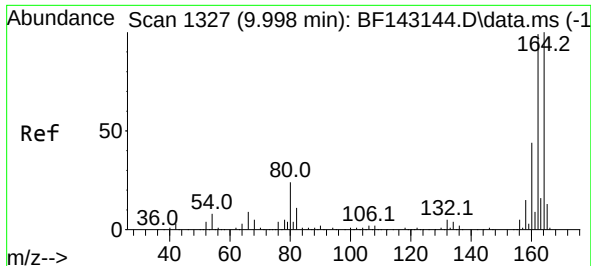
Tgt Ion:142 Resp: 480301  
Ion Ratio Lower Upper  
142 100  
141 88.5 69.9 104.9



#38  
1-Methylnaphthalene  
Concen: 39.524 ng  
RT: 9.051 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

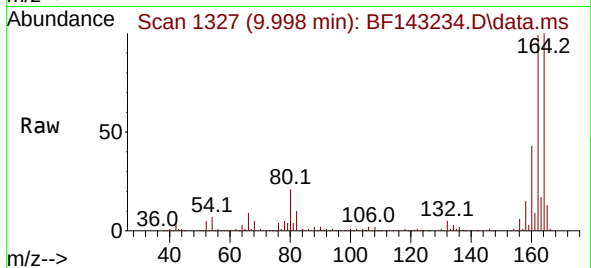
Tgt Ion:142 Resp: 491881  
Ion Ratio Lower Upper  
142 100  
141 90.4 72.3 108.5



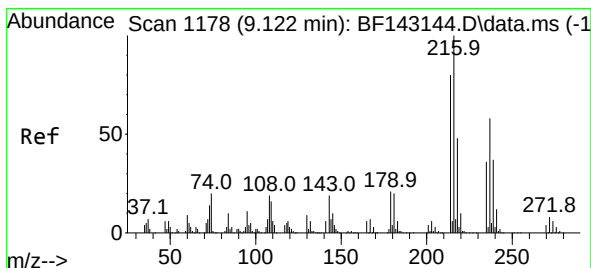
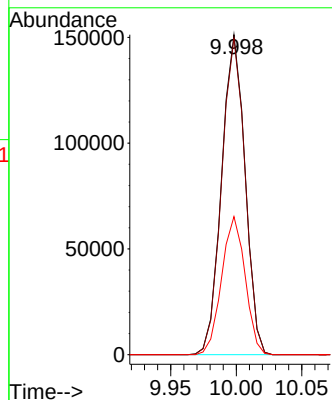
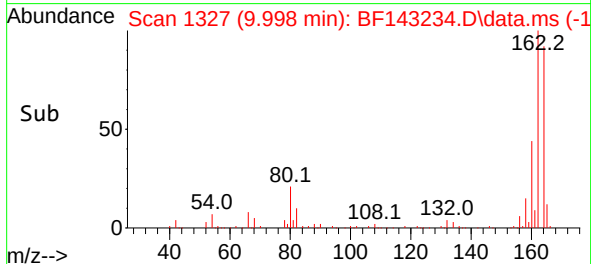


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

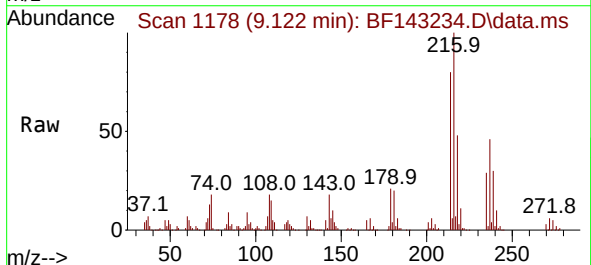
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD



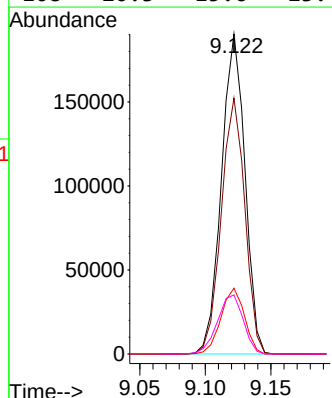
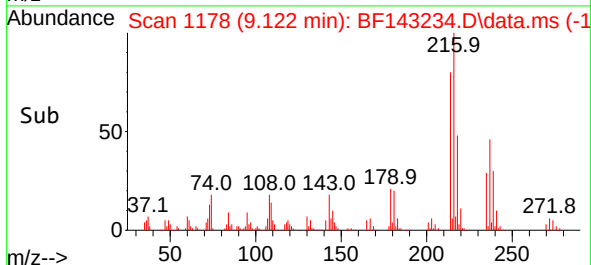
Tgt Ion:164 Resp: 187839  
Ion Ratio Lower Upper  
164 100  
162 98.9 79.0 118.6  
160 43.1 35.1 52.7

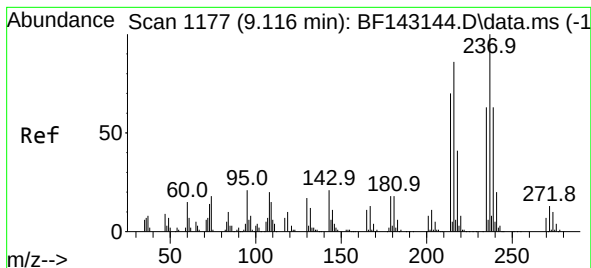


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.646 ng  
RT: 9.122 min Scan# 1178  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29



Tgt Ion:216 Resp: 236698  
Ion Ratio Lower Upper  
216 100  
214 80.1 63.8 95.8  
179 20.6 16.4 24.6  
108 20.3 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 58.602 ng

RT: 9.110 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

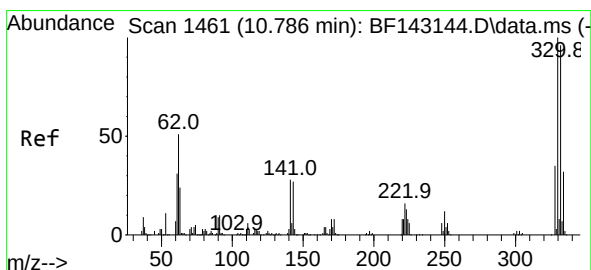
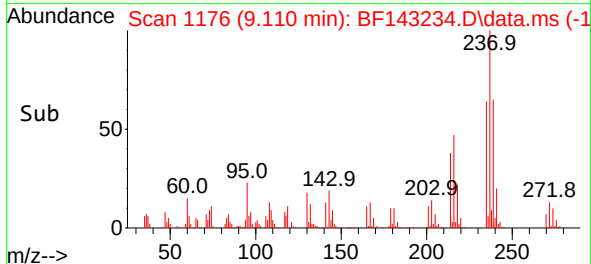
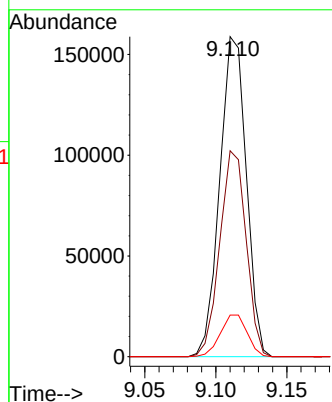
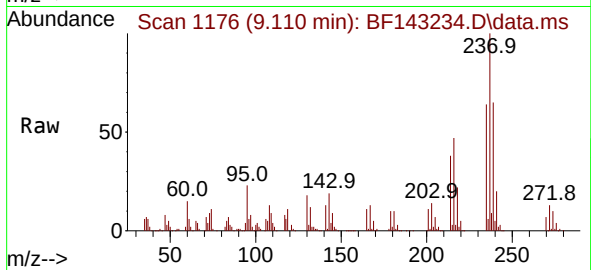
Tgt Ion:237 Resp: 206787

Ion Ratio Lower Upper

237 100

235 64.3 43.0 83.0

272 13.0 0.0 33.3



#42

2,4,6-Tribromophenol

Concen: 118.685 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

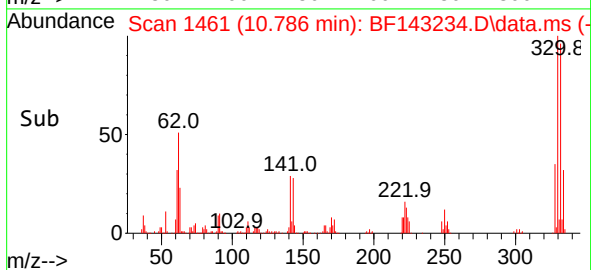
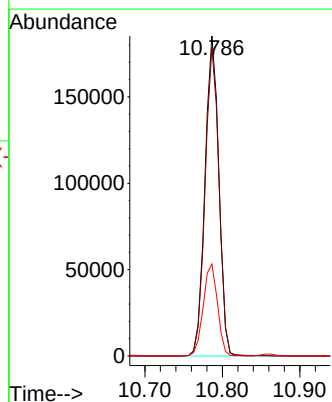
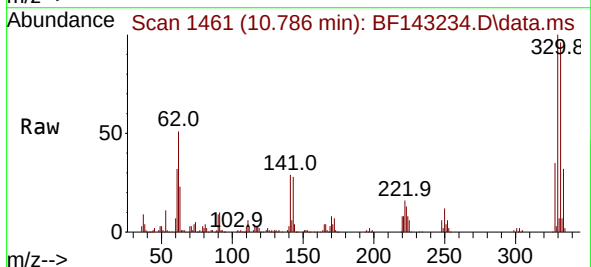
Tgt Ion:330 Resp: 230307

Ion Ratio Lower Upper

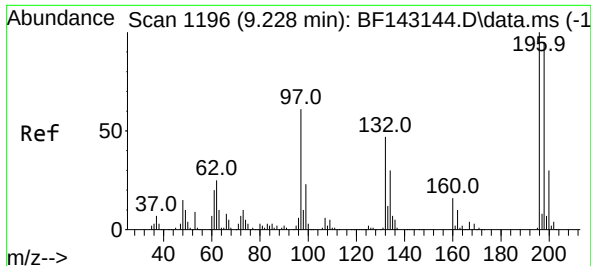
330 100

332 95.9 76.7 115.1

141 29.4 23.3 34.9







#43

2,4,6-Trichlorophenol

Concen: 43.289 ng

RT: 9.228 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

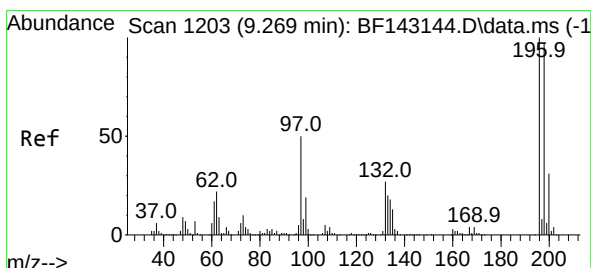
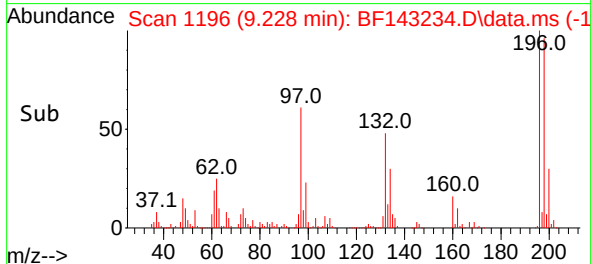
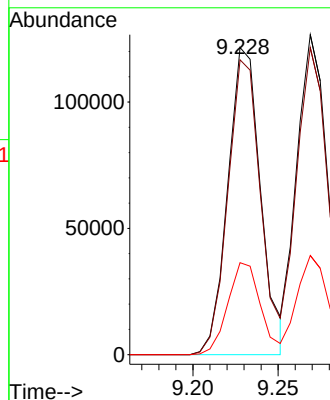
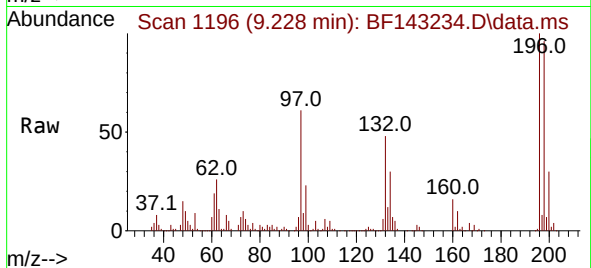
Tgt Ion:196 Resp: 162475

Ion Ratio Lower Upper

196 100

198 96.0 76.2 114.2

200 30.0 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 42.522 ng

RT: 9.269 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Tgt Ion:196 Resp: 159643

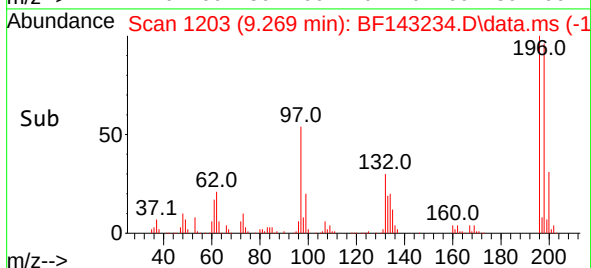
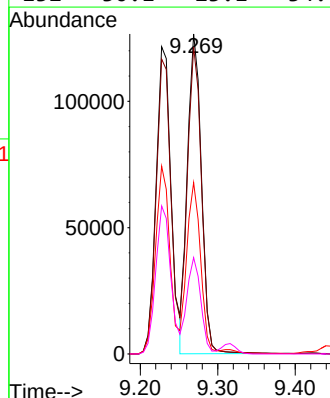
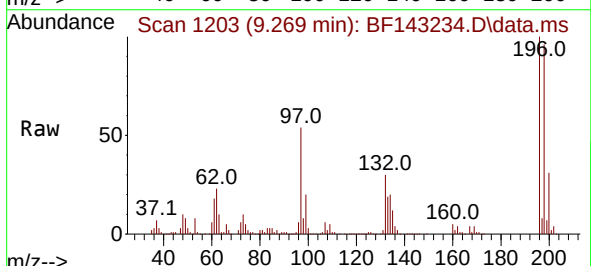
Ion Ratio Lower Upper

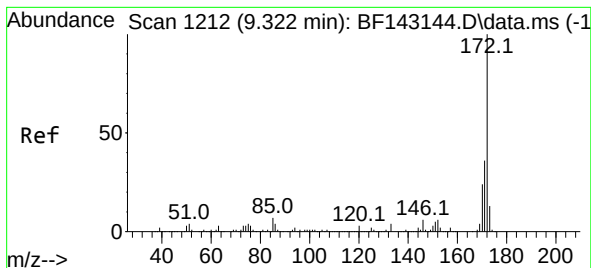
196 100

198 96.0 77.3 115.9

97 53.6 40.3 60.5

132 30.1 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 80.415 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

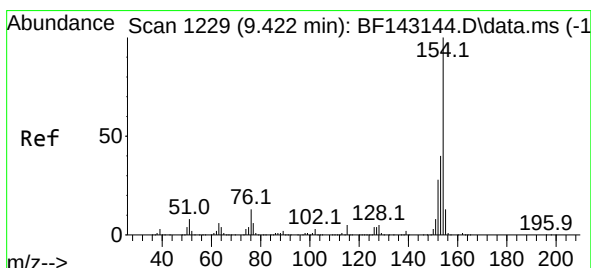
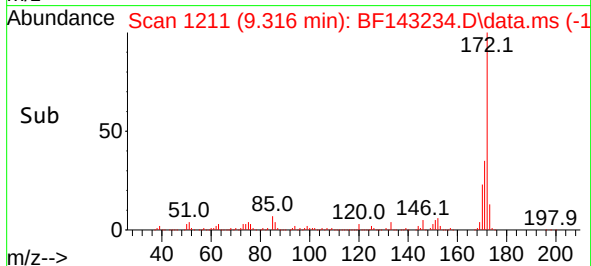
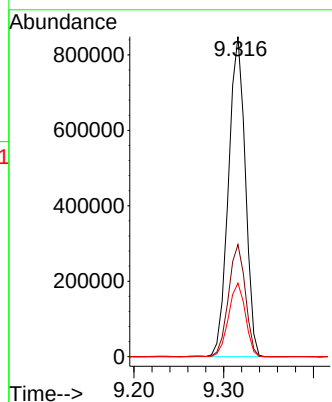
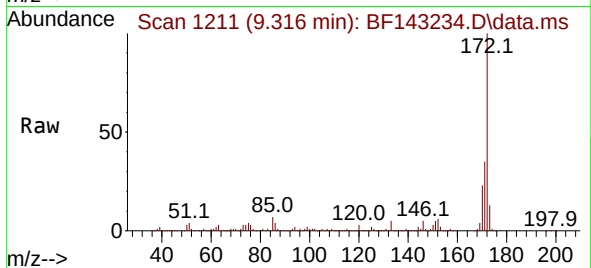
Tgt Ion:172 Resp: 1104474

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.0 18.8 28.2



#46

1,1'-Biphenyl

Concen: 44.575 ng

RT: 9.416 min Scan# 1228

Delta R.T. -0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

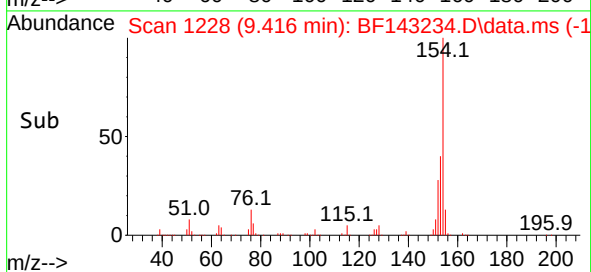
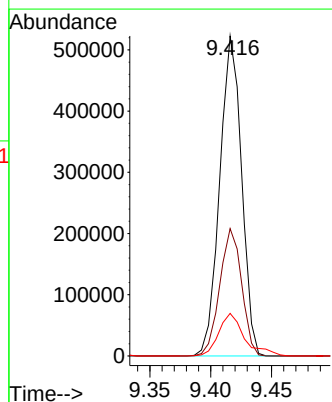
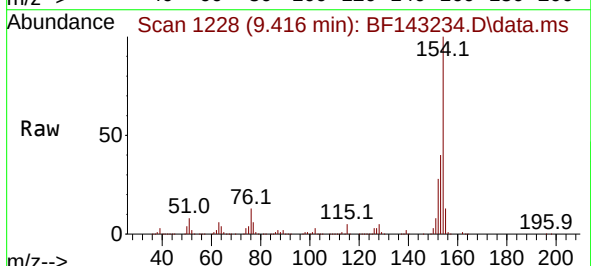
Tgt Ion:154 Resp: 653246

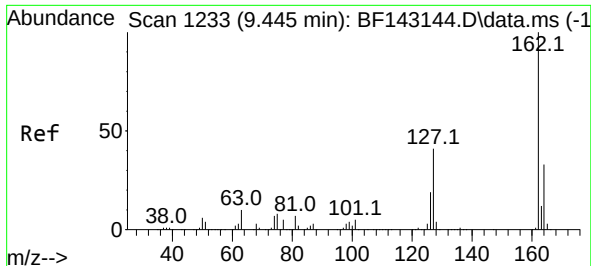
Ion Ratio Lower Upper

154 100

153 39.8 20.3 60.3

76 13.3 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.014 ng

RT: 9.445 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

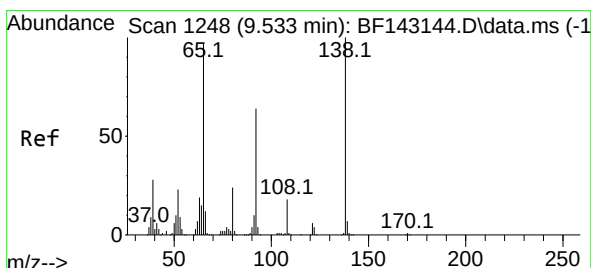
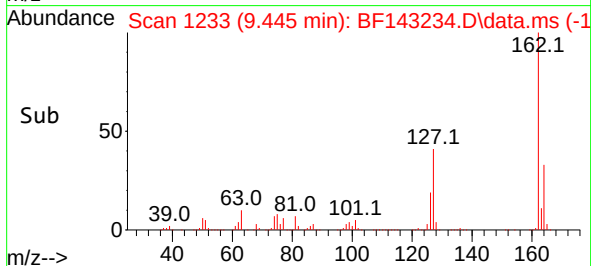
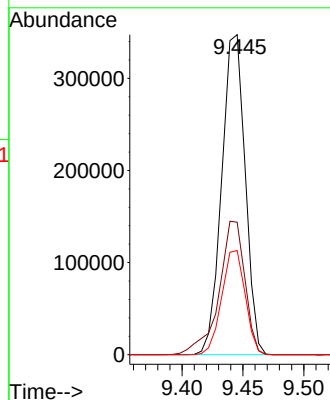
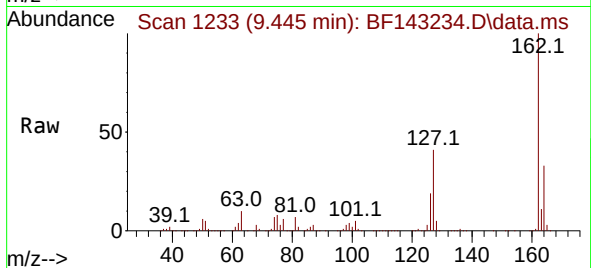
Tgt Ion:162 Resp: 466428

Ion Ratio Lower Upper

162 100

127 41.4 33.4 50.2

164 32.6 26.2 39.2



#48

2-Nitroaniline

Concen: 45.371 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

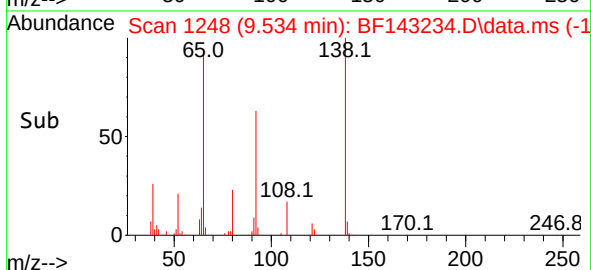
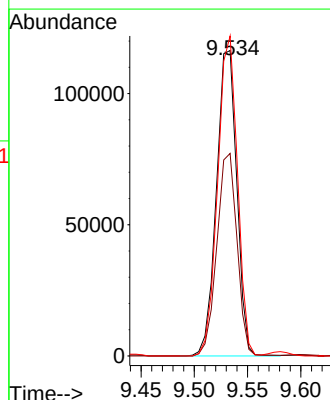
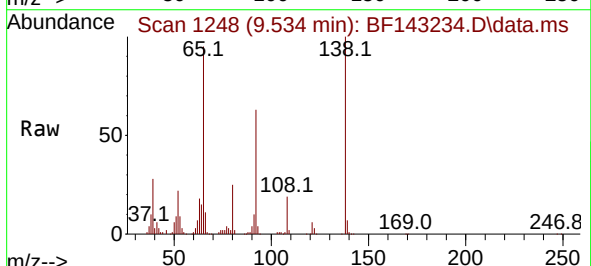
Tgt Ion: 65 Resp: 154288

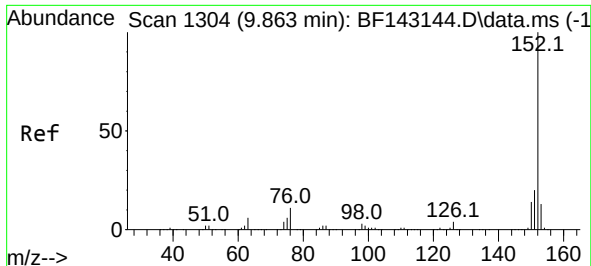
Ion Ratio Lower Upper

65 100

92 66.3 52.4 78.6

138 104.8 82.3 123.5

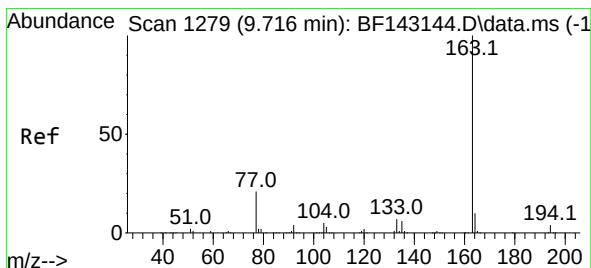
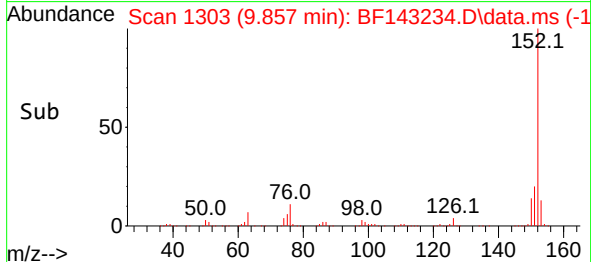
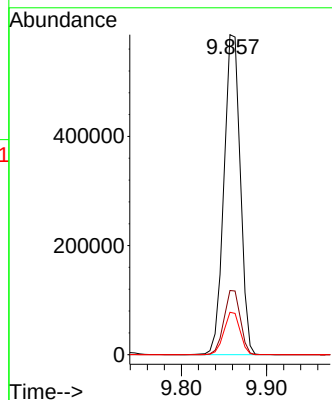
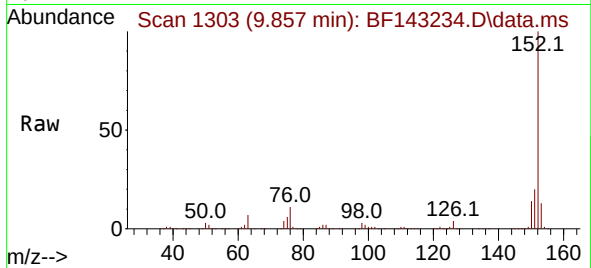




#49  
Acenaphthylene  
Concen: 43.019 ng  
RT: 9.857 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

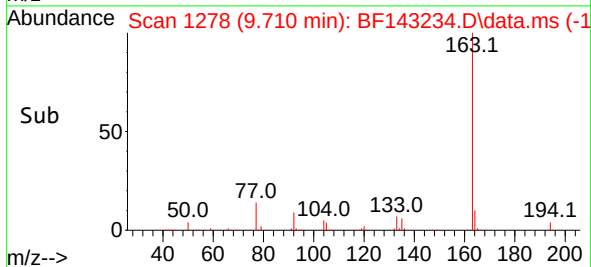
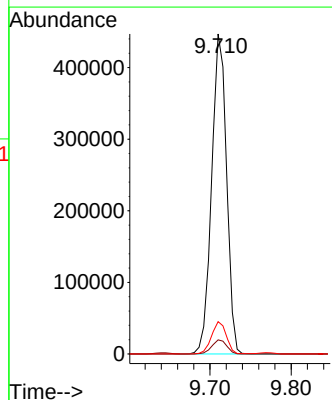
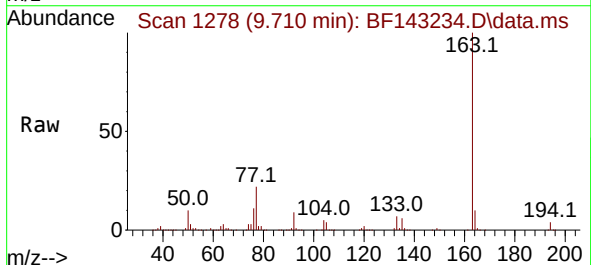
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

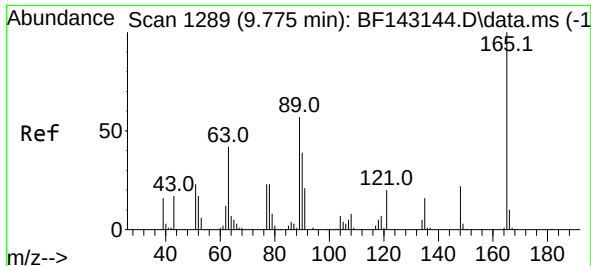
Tgt Ion:152 Resp: 781757  
Ion Ratio Lower Upper  
152 100  
151 20.0 16.2 24.2  
153 13.2 10.6 16.0



#50  
Dimethylphthalate  
Concen: 46.520 ng  
RT: 9.710 min Scan# 1278  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:163 Resp: 569583  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.4 5.2  
164 10.1 8.3 12.5

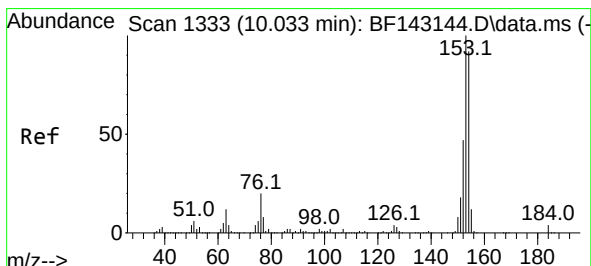
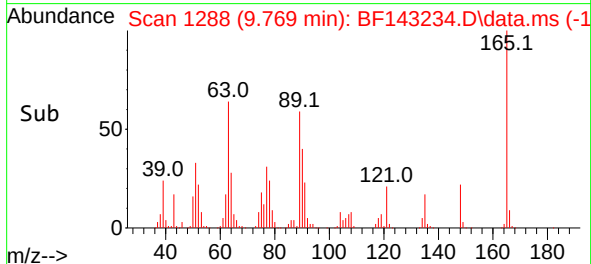
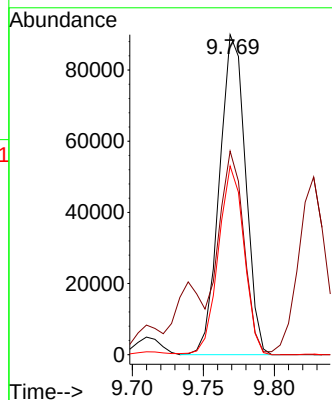
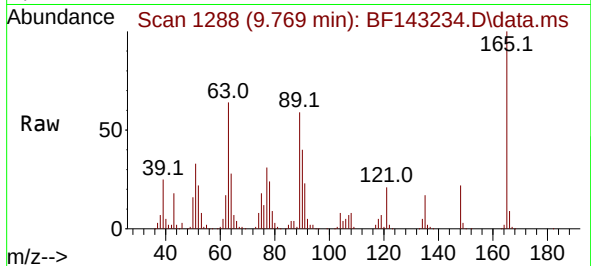




#51  
2,6-Dinitrotoluene  
Concen: 46.174 ng  
RT: 9.769 min Scan# 1289  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

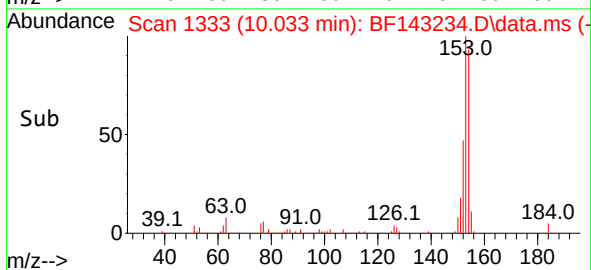
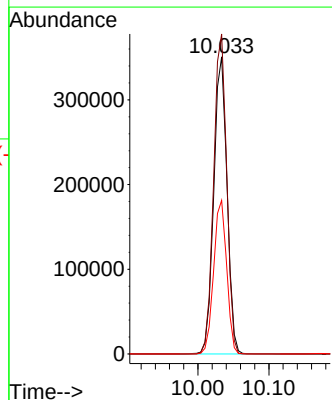
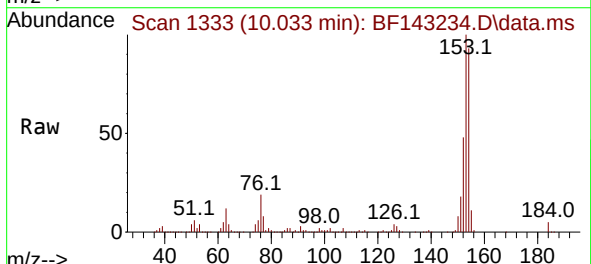
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

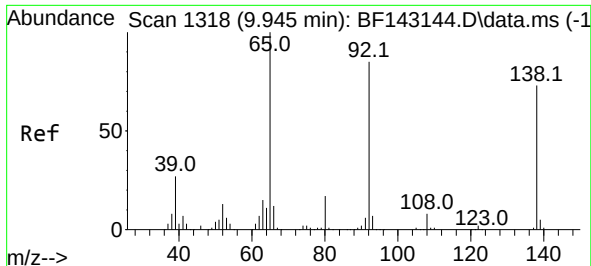
Tgt Ion:165 Resp: 115008  
Ion Ratio Lower Upper  
165 100  
63 63.6 49.4 74.2  
89 58.9 46.2 69.2



#52  
Acenaphthene  
Concen: 42.314 ng  
RT: 10.033 min Scan# 1333  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:154 Resp: 454485  
Ion Ratio Lower Upper  
154 100  
153 107.7 86.6 129.8  
152 51.7 40.4 60.6

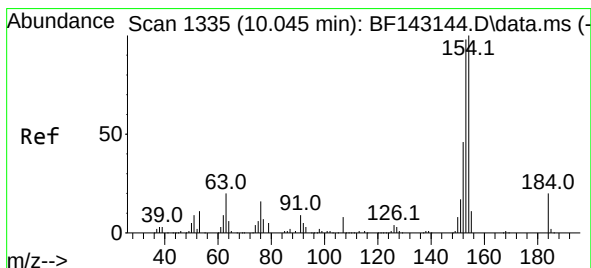
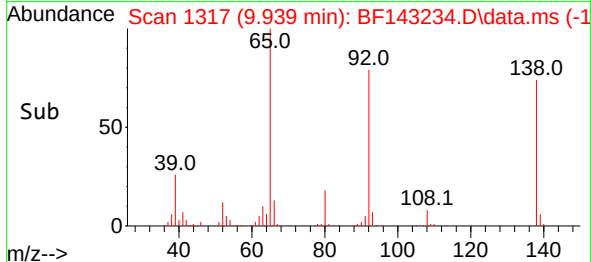
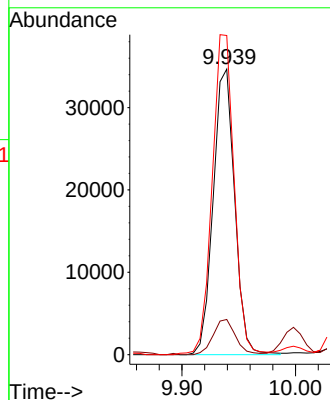
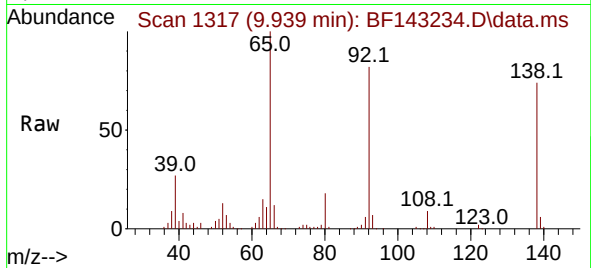




#53  
3-Nitroaniline  
Concen: 15.630 ng  
RT: 9.939 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

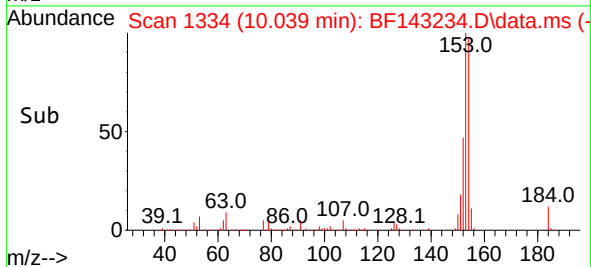
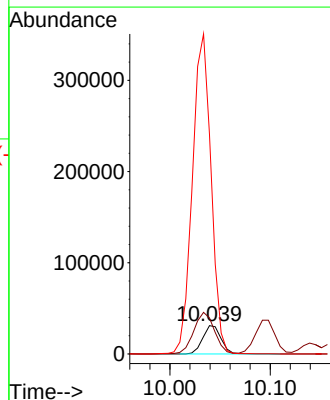
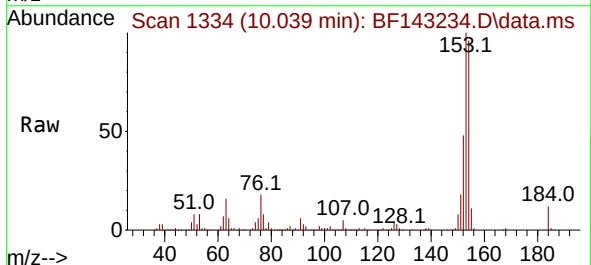
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

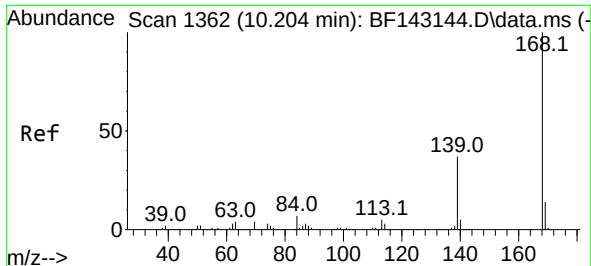
Tgt Ion:138 Resp: 45535  
Ion Ratio Lower Upper  
138 100  
108 12.4 9.0 13.6  
92 111.7 93.0 139.4



#54  
2,4-Dinitrophenol  
Concen: 38.734 ng  
RT: 10.039 min Scan# 1334  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:184 Resp: 39493  
Ion Ratio Lower Upper  
184 100  
63 127.1 81.8 122.6#  
154 773.7 412.2 618.4#

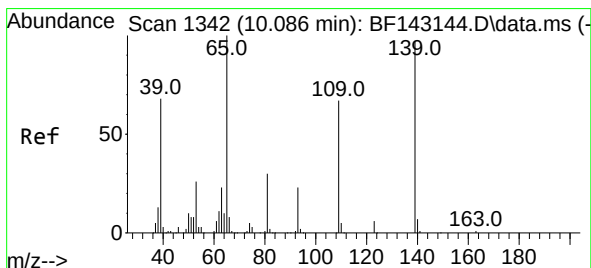
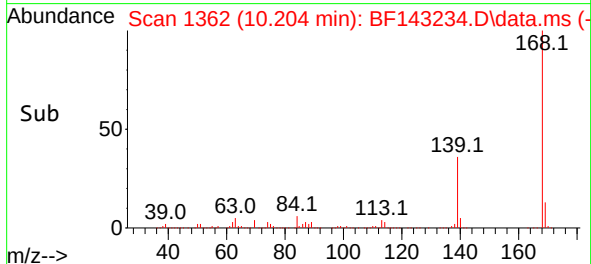
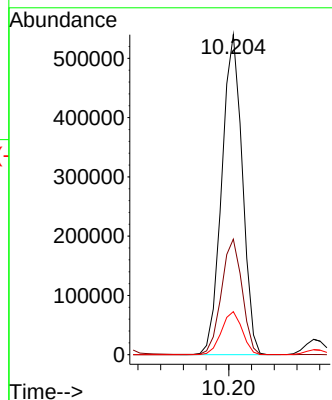
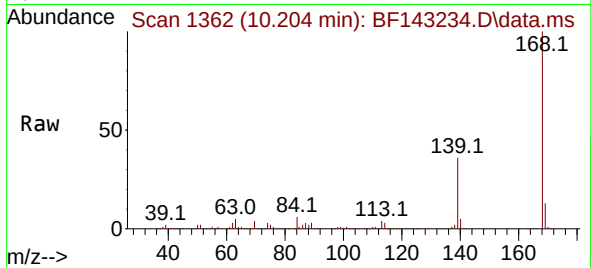




#55  
Dibenzofuran  
Concen: 42.534 ng  
RT: 10.204 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

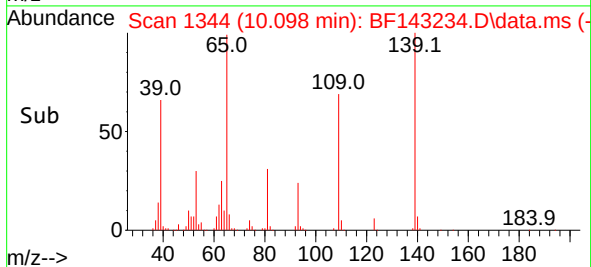
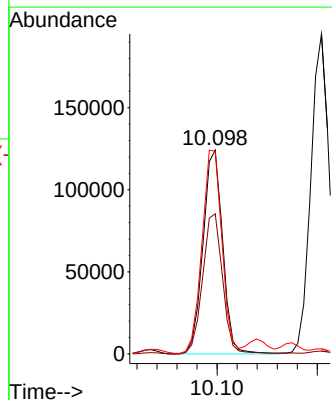
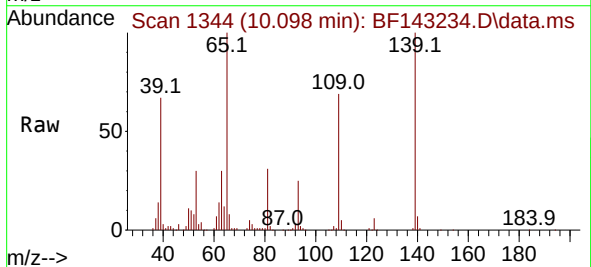
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

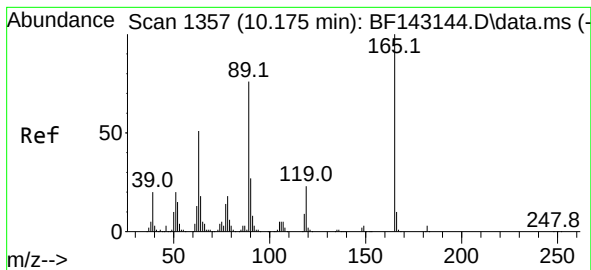
Tgt Ion:168 Resp: 678268  
Ion Ratio Lower Upper  
168 100  
139 36.1 29.5 44.3  
169 13.5 10.9 16.3



#56  
4-Nitrophenol  
Concen: 77.928 ng  
RT: 10.098 min Scan# 1344  
Delta R.T. 0.012 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:139 Resp: 169535  
Ion Ratio Lower Upper  
139 100  
109 68.8 48.5 88.5  
65 99.5 83.4 123.4

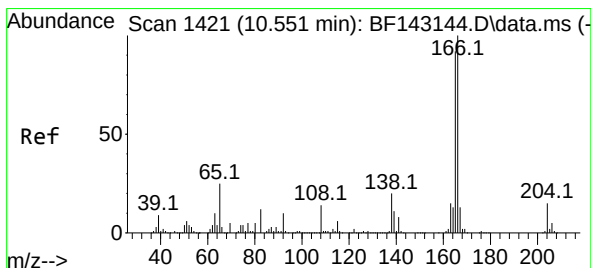
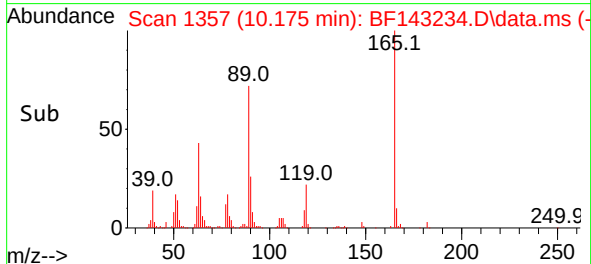
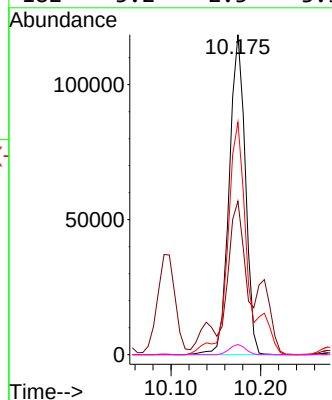
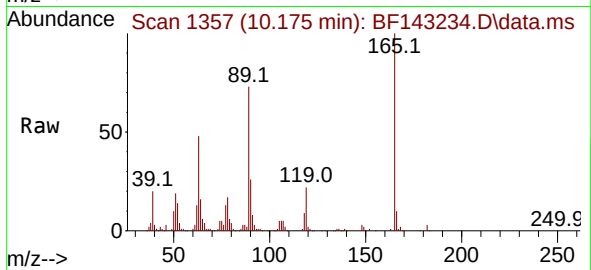




#57  
2,4-Dinitrotoluene  
Concen: 47.192 ng  
RT: 10.175 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

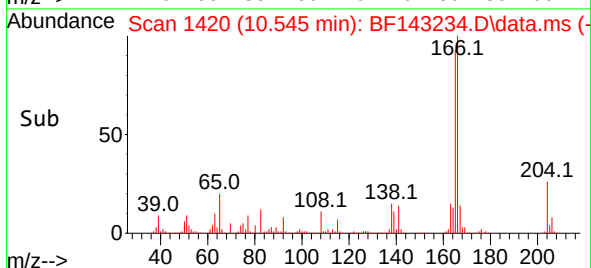
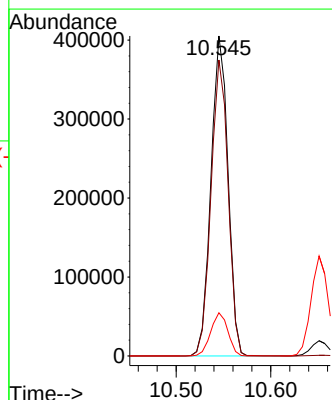
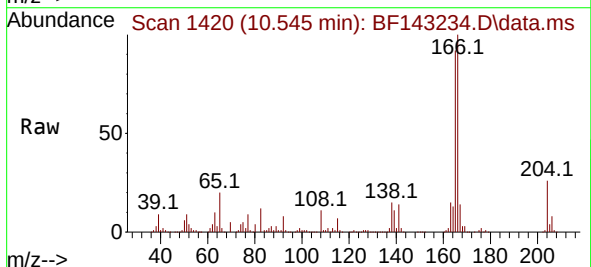
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

Tgt Ion:165 Resp: 147470  
Ion Ratio Lower Upper  
165 100  
63 48.0 41.0 61.4  
89 72.6 61.1 91.7  
182 3.2 2.3 3.5

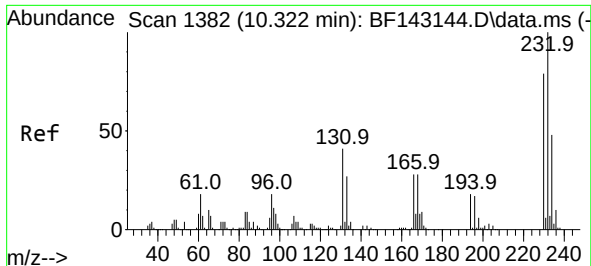


#58  
Fluorene  
Concen: 42.323 ng  
RT: 10.545 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:166 Resp: 506529  
Ion Ratio Lower Upper  
166 100  
165 92.5 73.7 110.5  
167 13.5 10.6 16.0



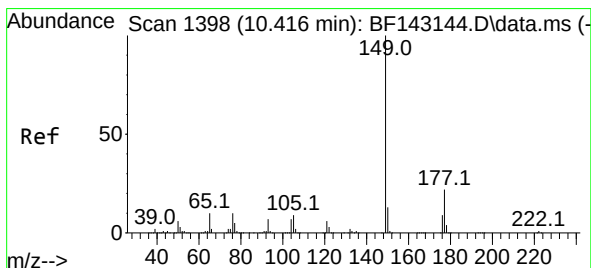
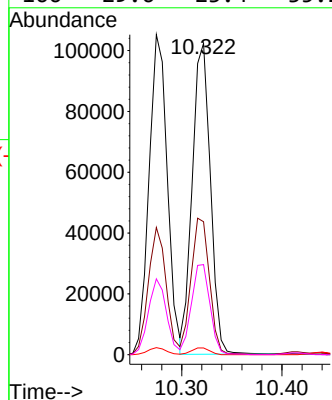
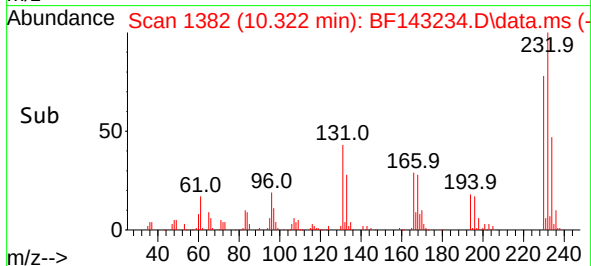
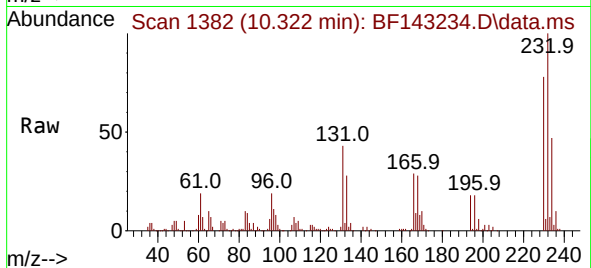




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.380 ng  
RT: 10.322 min Scan# 1382  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

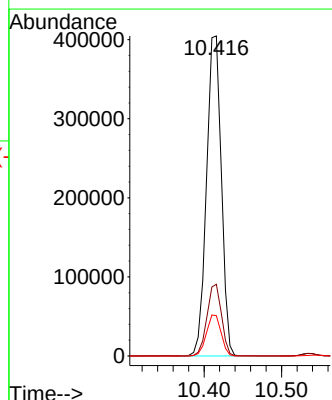
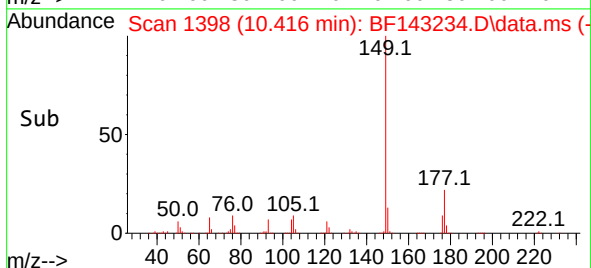
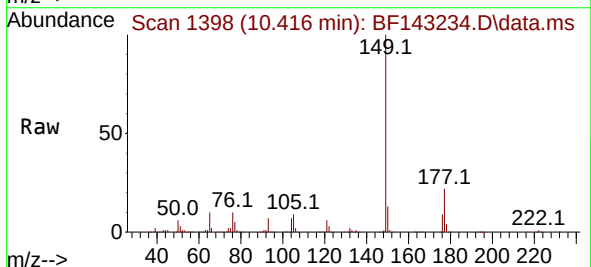
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

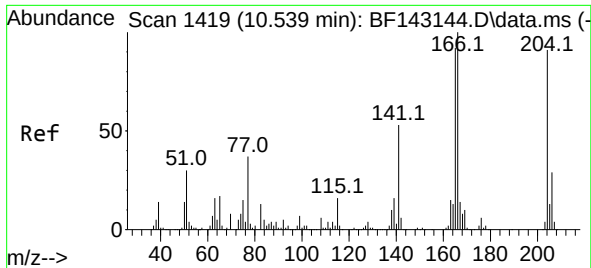
Tgt Ion:232 Resp: 128690  
Ion Ratio Lower Upper  
232 100  
131 44.7 35.3 52.9  
130 2.2 1.7 2.5  
166 29.6 23.4 35.2



#60  
Diethylphthalate  
Concen: 44.451 ng  
RT: 10.416 min Scan# 1398  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:149 Resp: 537944  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.5 26.3  
150 12.6 10.2 15.2

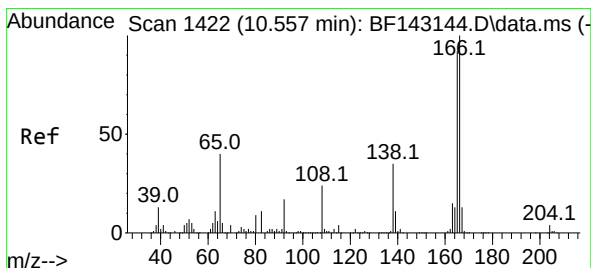
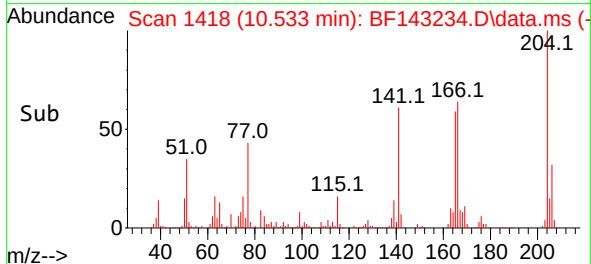
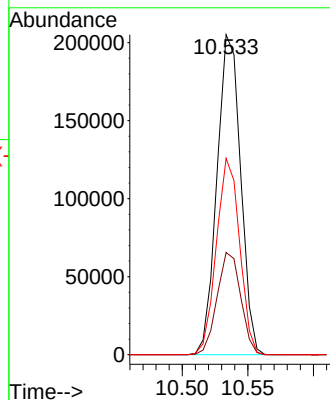
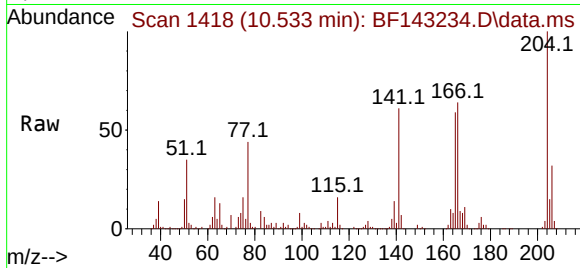




#61  
4-Chlorophenyl-phenylether  
Concen: 43.118 ng  
RT: 10.533 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

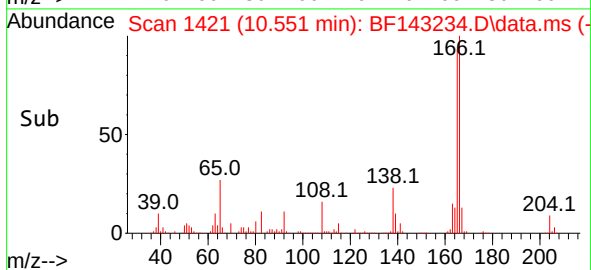
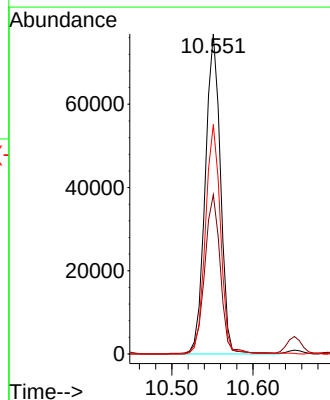
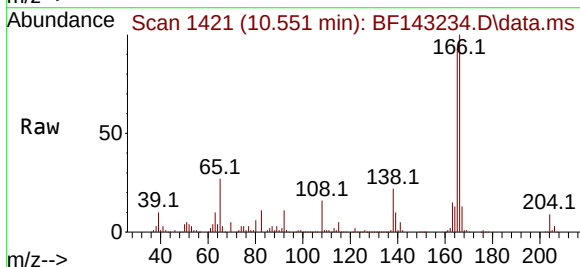
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

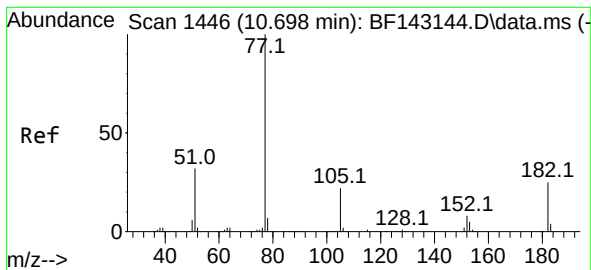
Tgt Ion:204 Resp: 256960  
Ion Ratio Lower Upper  
204 100  
206 31.9 25.8 38.8  
141 61.3 47.0 70.4



#62  
4-Nitroaniline  
Concen: 40.028 ng  
RT: 10.551 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:138 Resp: 99945  
Ion Ratio Lower Upper  
138 100  
92 49.8 29.3 69.3  
108 71.7 48.3 88.3

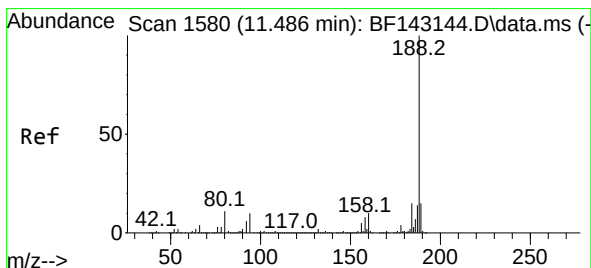
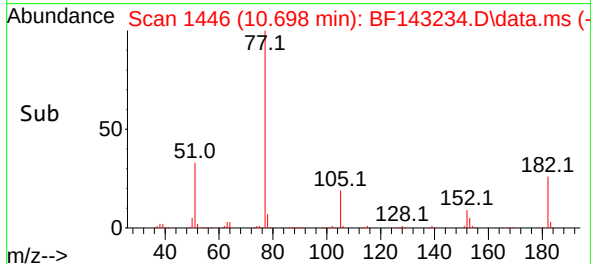
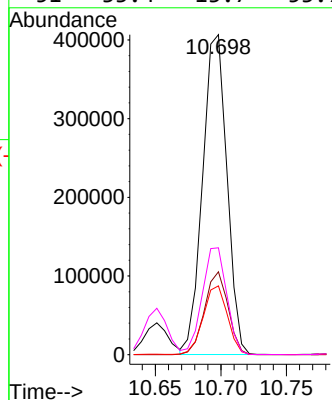
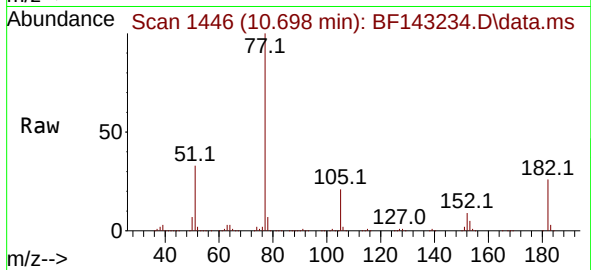




#63  
Azobenzene  
Concen: 41.681 ng  
RT: 10.698 min Scan# 1446  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

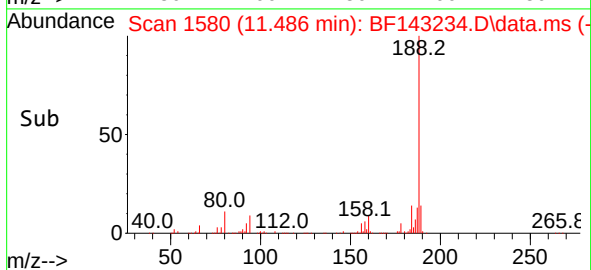
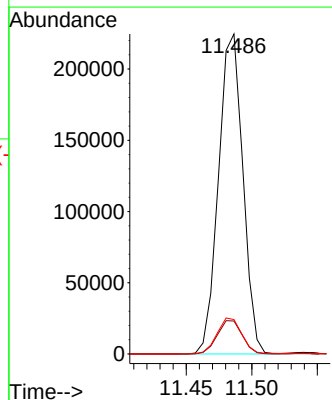
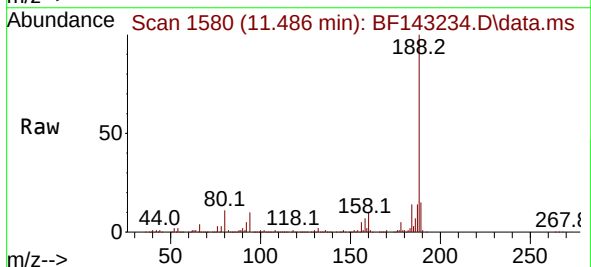
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

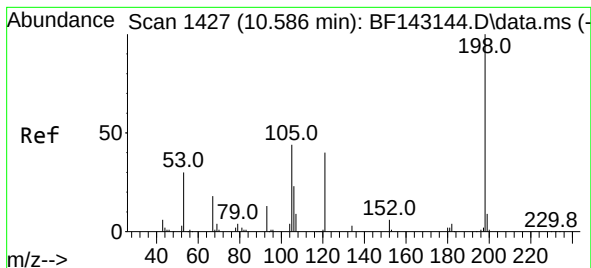
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 525715 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 25.9    | 4.6 44.6     |
| 105 21.5    | 1.4 41.4     |
| 51 33.4     | 13.7 53.7    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.486 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 290285 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 10.3     | 8.3 12.5     |
| 80 10.8     | 9.0 13.6     |

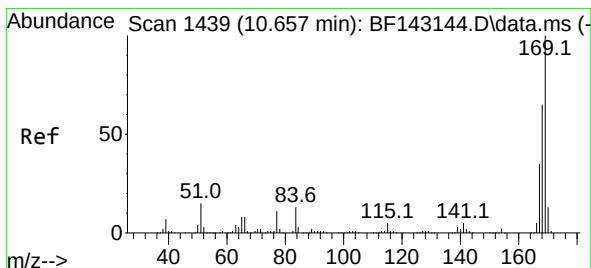
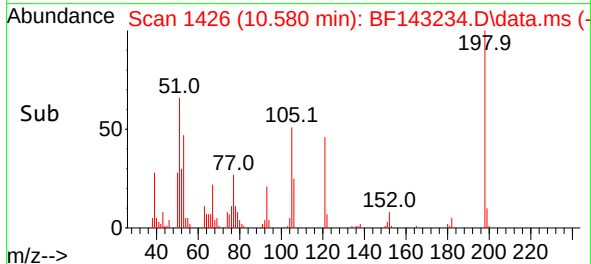
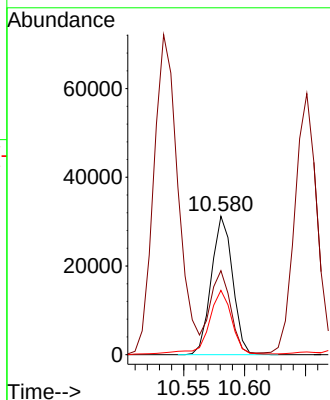
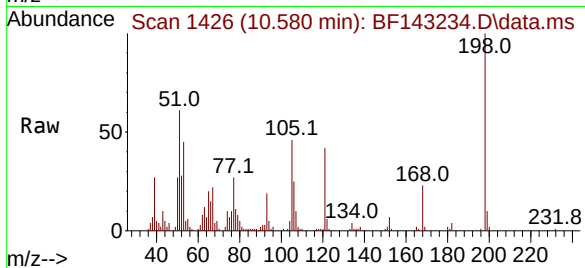




#65  
4,6-Dinitro-2-methylphenol  
Concen: 27.553 ng  
RT: 10.580 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

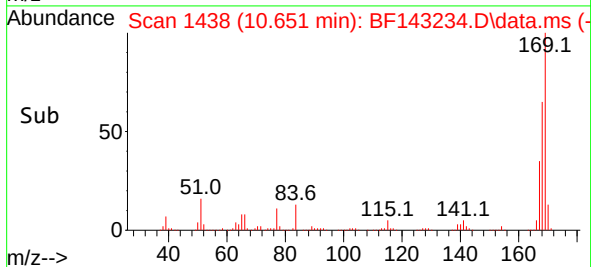
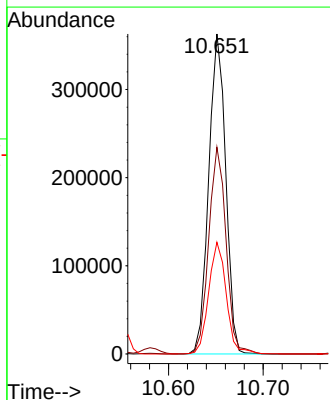
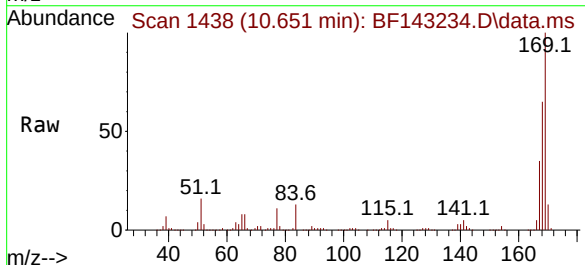
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

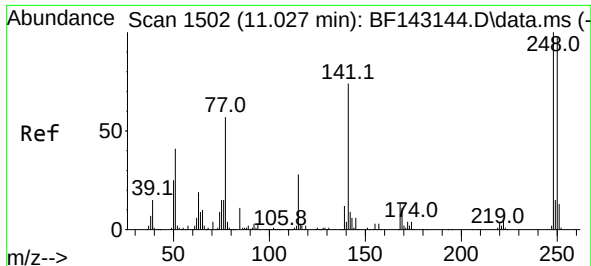
Tgt Ion:198 Resp: 37974  
Ion Ratio Lower Upper  
198 100  
51 60.6 37.2 77.2  
105 46.4 24.8 64.8



#66  
n-Nitrosodiphenylamine  
Concen: 44.177 ng  
RT: 10.651 min Scan# 1438  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:169 Resp: 451570  
Ion Ratio Lower Upper  
169 100  
168 64.6 52.1 78.1  
167 34.9 28.2 42.2





#67

4-Bromophenyl-phenylether

Concen: 43.880 ng

RT: 11.028 min Scan# 1502

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

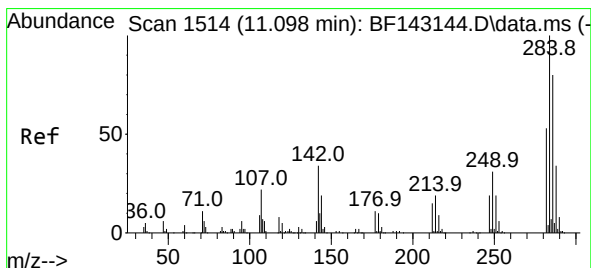
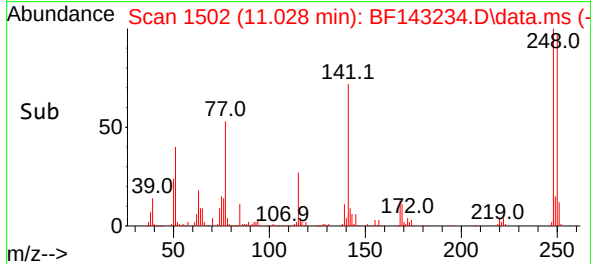
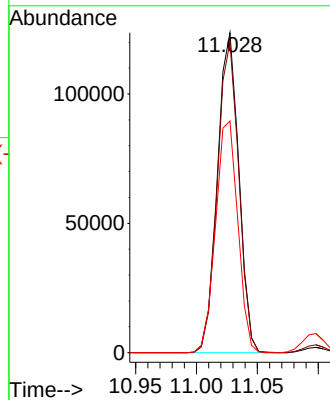
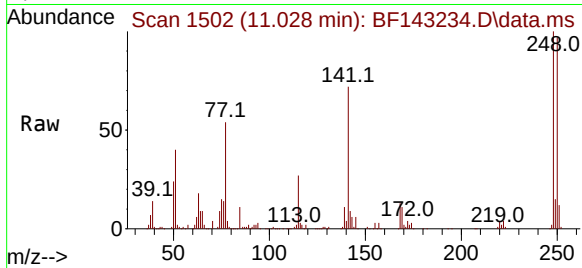
Tgt Ion:248 Resp: 151798

Ion Ratio Lower Upper

248 100

250 97.1 78.3 117.5

141 72.4 59.2 88.8



#68

Hexachlorobenzene

Concen: 42.359 ng

RT: 11.098 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

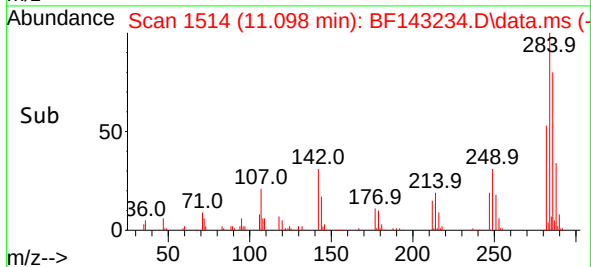
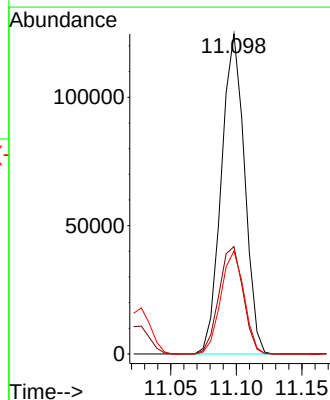
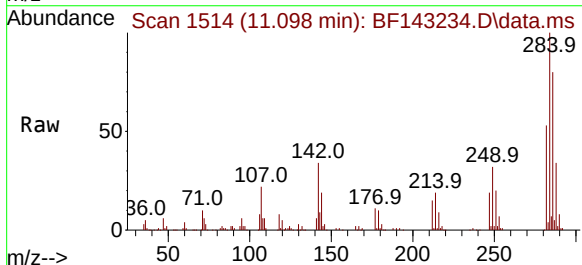
Tgt Ion:284 Resp: 153163

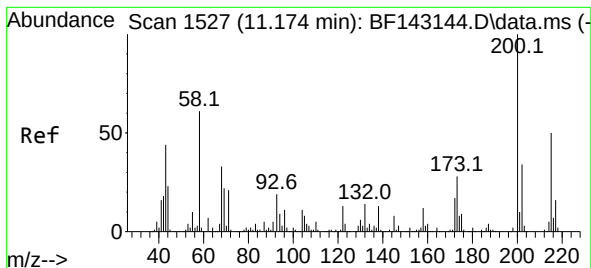
Ion Ratio Lower Upper

284 100

142 33.5 27.0 40.6

249 32.1 25.0 37.6





#69

Atrazine

Concen: 48.813 ng

RT: 11.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

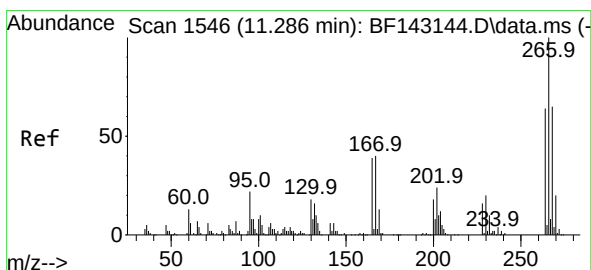
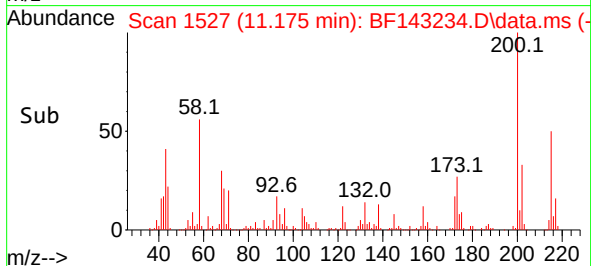
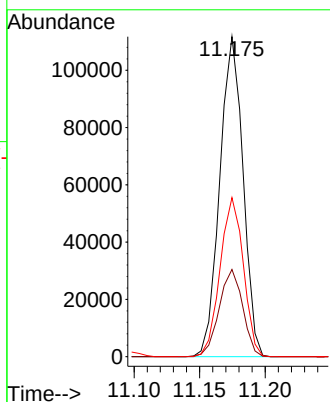
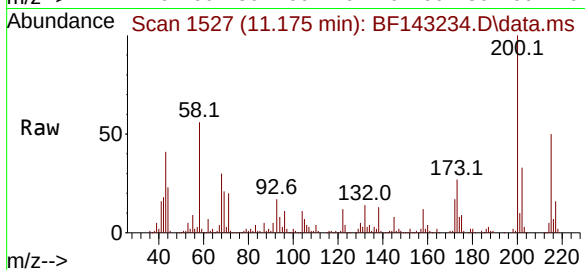
Tgt Ion:200 Resp: 137558

Ion Ratio Lower Upper

200 100

173 27.3 7.9 47.9

215 49.7 30.1 70.1



#70

Pentachlorophenol

Concen: 75.186 ng

RT: 11.286 min Scan# 1546

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

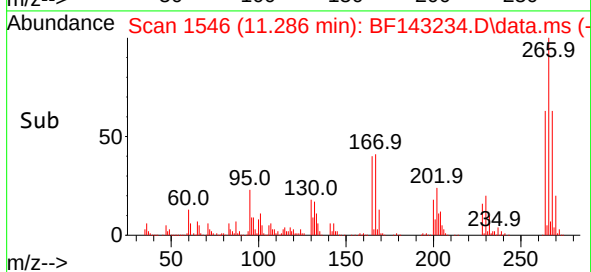
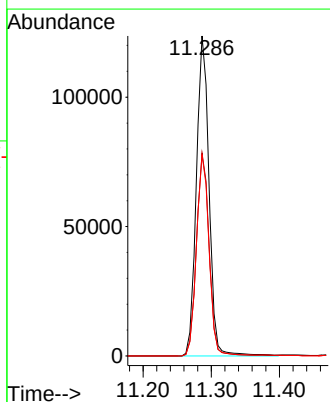
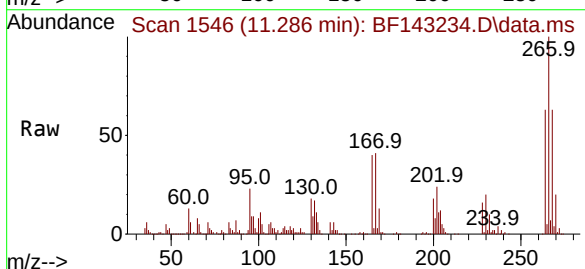
Tgt Ion:266 Resp: 159875

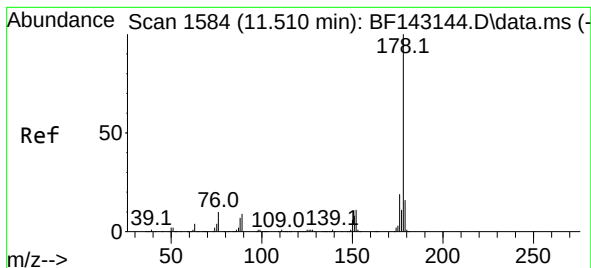
Ion Ratio Lower Upper

266 100

268 63.4 51.9 77.9

264 62.9 51.0 76.6





#71

Phenanthrene

Concen: 44.002 ng

RT: 11.510 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

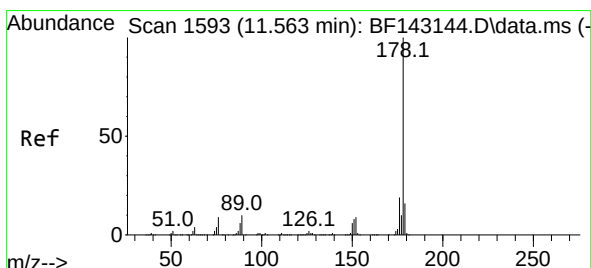
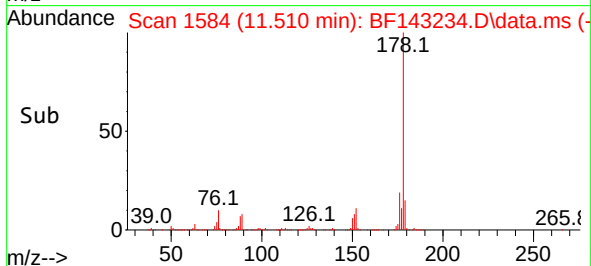
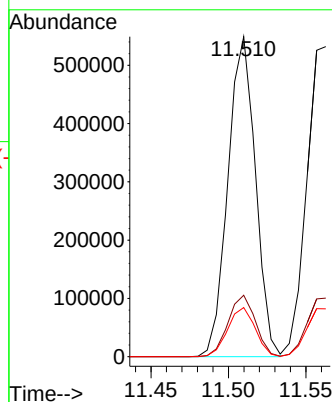
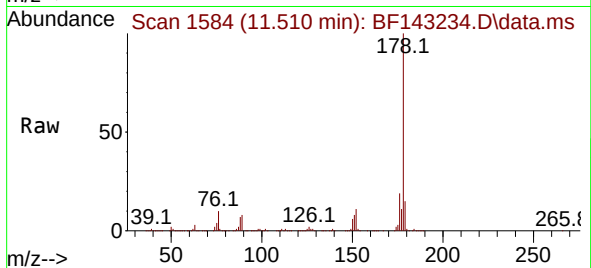
Tgt Ion:178 Resp: 678210

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 44.073 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

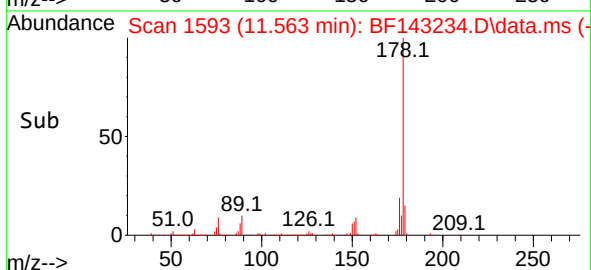
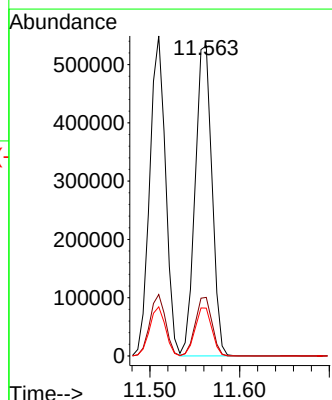
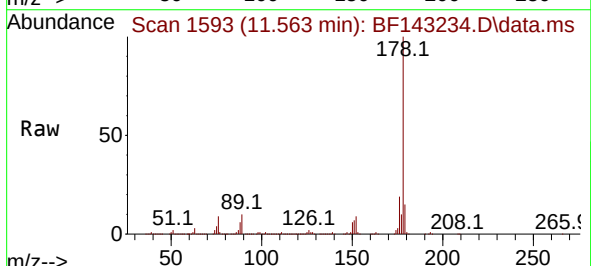
Tgt Ion:178 Resp: 692819

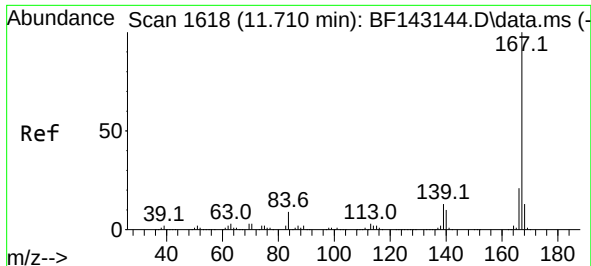
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

179 15.4 12.5 18.7

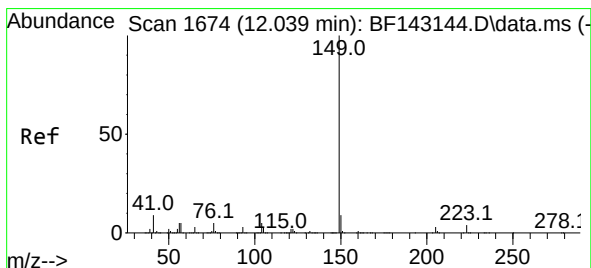
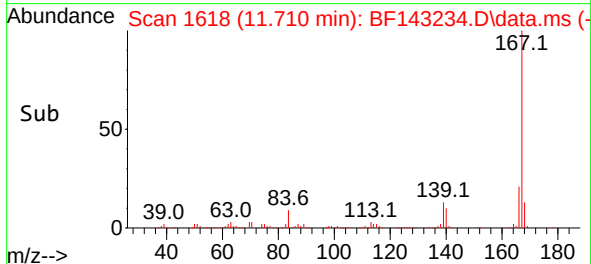
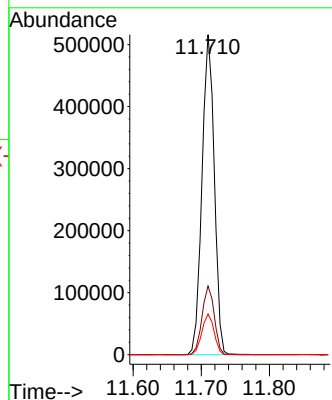
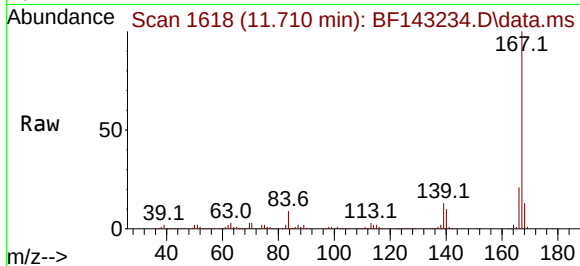




#73  
 Carbazole  
 Concen: 47.129 ng  
 RT: 11.710 min Scan# 1618  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

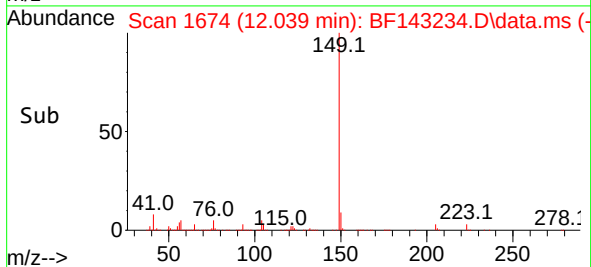
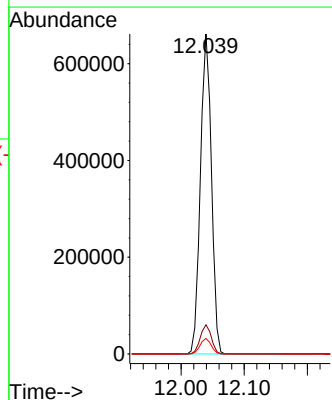
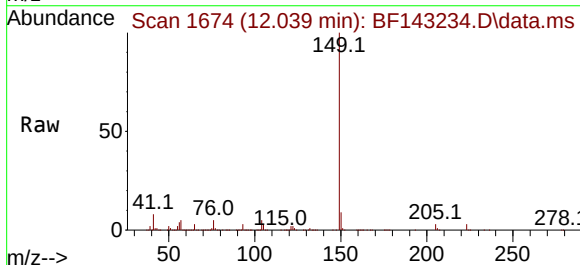
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

Tgt Ion:167 Resp: 646920  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.0 25.6  
 139 12.7 10.0 15.0

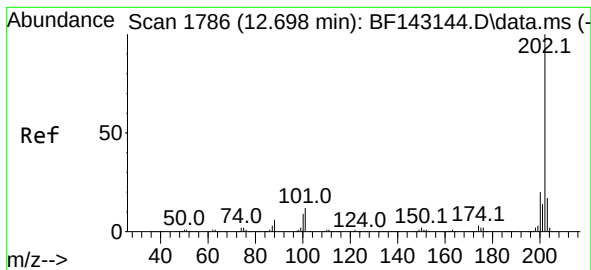


#74  
 Di-n-butylphthalate  
 Concen: 51.464 ng  
 RT: 12.039 min Scan# 1674  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

Tgt Ion:149 Resp: 799311  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.4 11.2  
 104 4.8 3.8 5.8







#75

Fluoranthene

Concen: 53.274 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

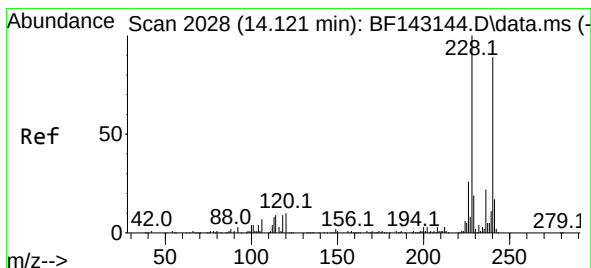
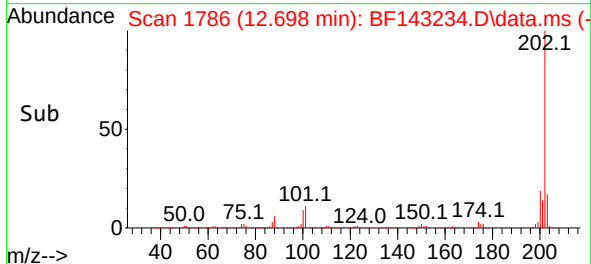
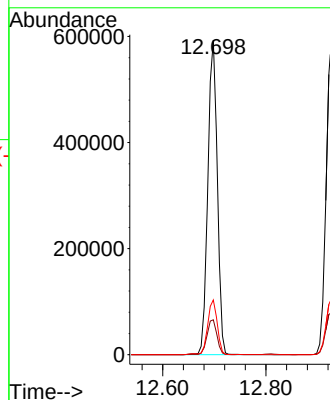
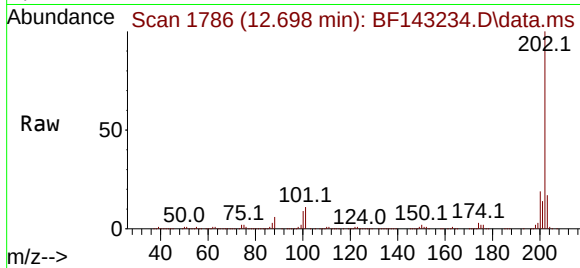
Tgt Ion:202 Resp: 753680

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.7

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

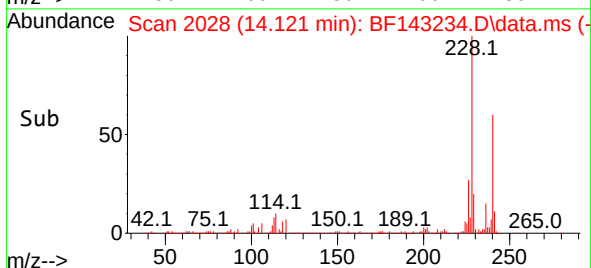
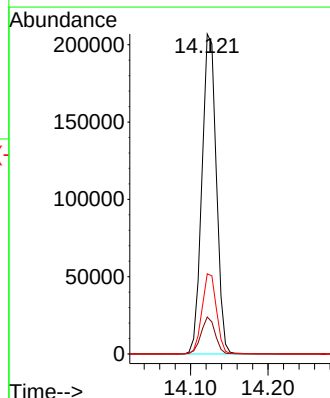
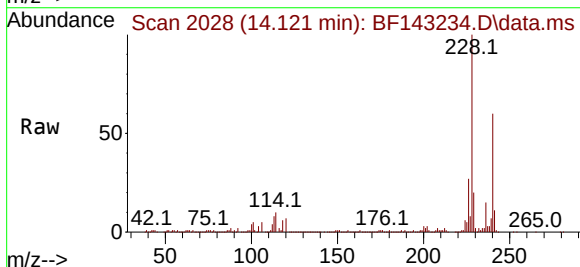
Tgt Ion:240 Resp: 267616

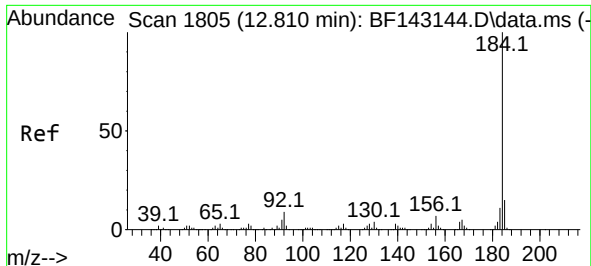
Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

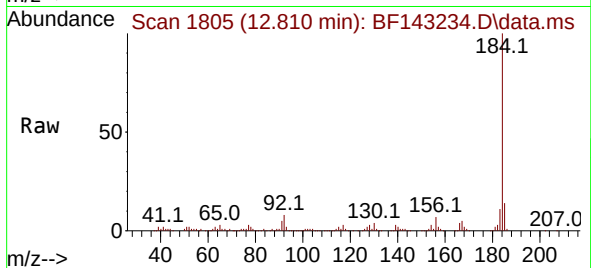
236 25.0 20.2 30.4



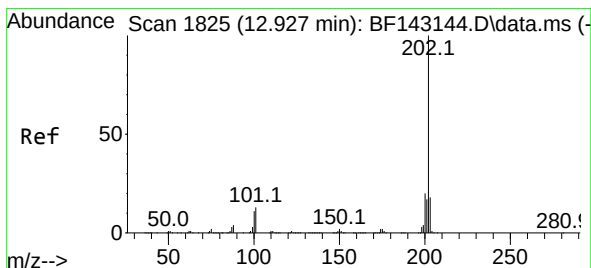
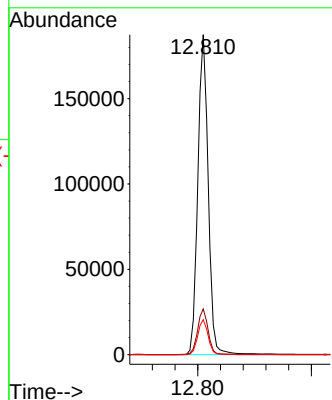
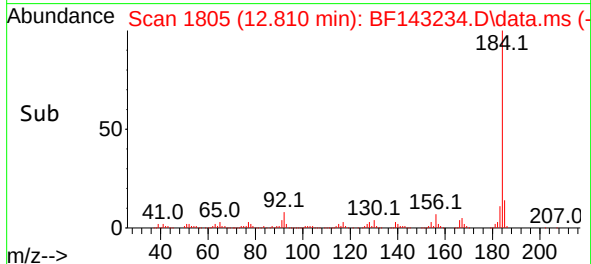


#77  
Benzidine  
Concen: 23.232 ng  
RT: 12.810 min Scan# 1805  
Delta R.T. -0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

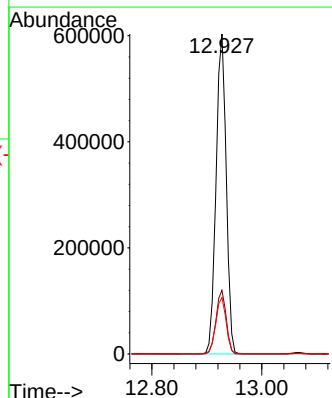
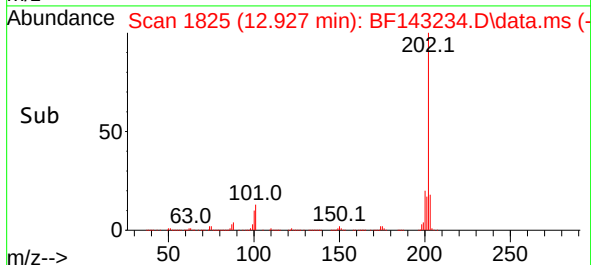
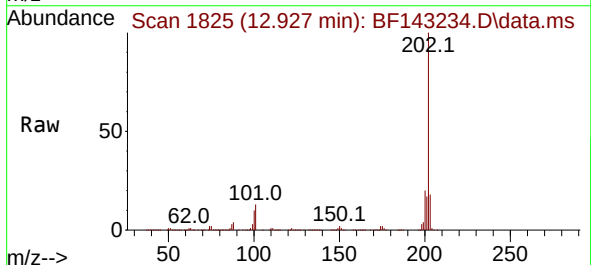


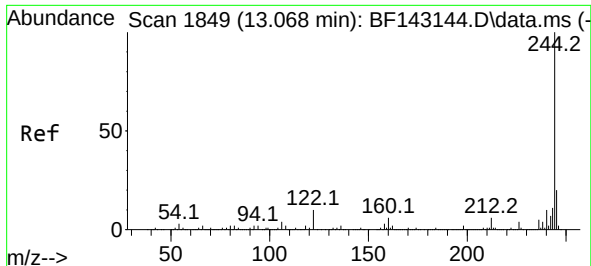
Tgt Ion:184 Resp: 239532  
Ion Ratio Lower Upper  
184 100  
185 14.3 12.2 18.4  
183 11.0 9.0 13.4



#78  
Pyrene  
Concen: 34.026 ng  
RT: 12.927 min Scan# 1825  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:202 Resp: 777138  
Ion Ratio Lower Upper  
202 100  
200 19.9 15.7 23.5  
203 17.6 14.2 21.2

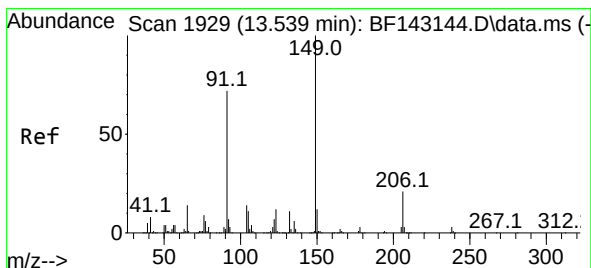
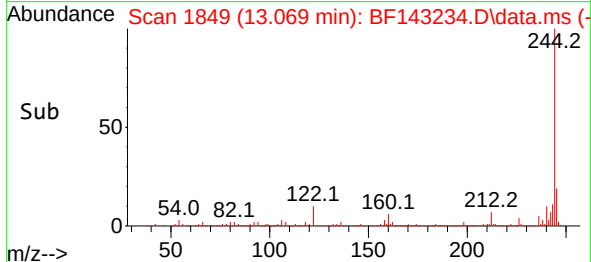
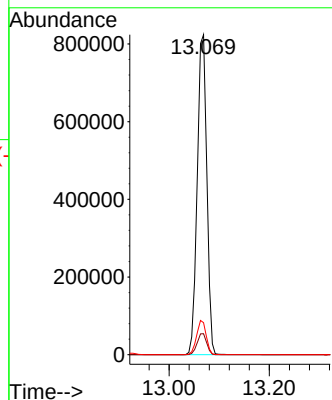
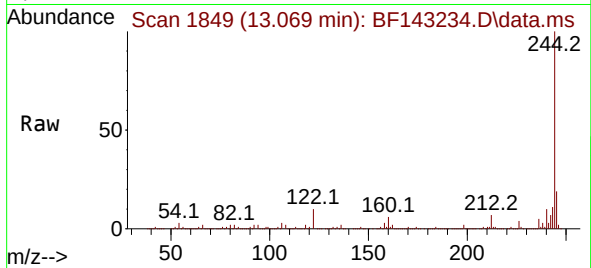




#79  
 Terphenyl-d14  
 Concen: 60.676 ng  
 RT: 13.069 min Scan# 1849  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

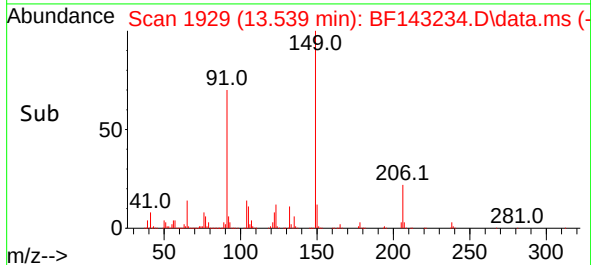
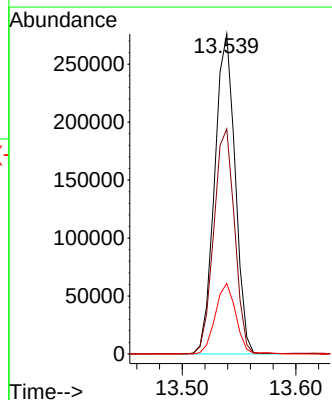
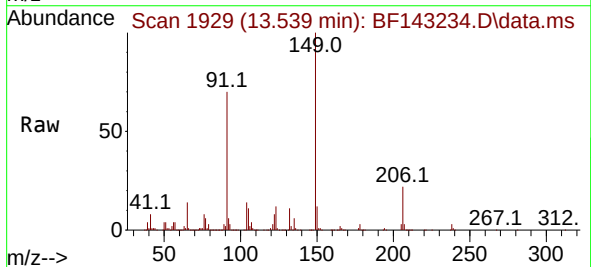
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

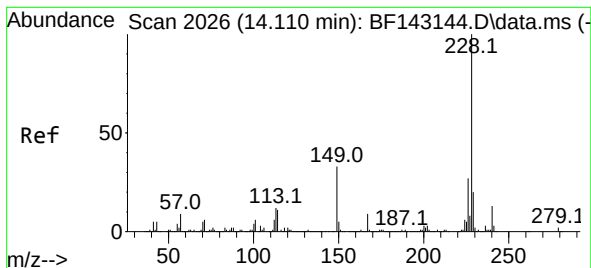
Tgt Ion:244 Resp: 1091184  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.2 7.8  
 122 10.0 8.2 12.2



#80  
 Butylbenzylphthalate  
 Concen: 49.525 ng  
 RT: 13.539 min Scan# 1929  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

Tgt Ion:149 Resp: 346366  
 Ion Ratio Lower Upper  
 149 100  
 91 70.3 57.9 86.9  
 206 22.1 17.0 25.4





#81

Benzo(a)anthracene

Concen: 43.773 ng

RT: 14.116 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

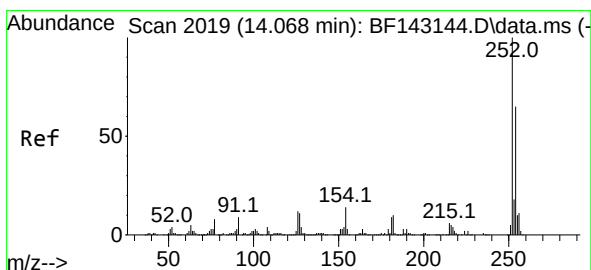
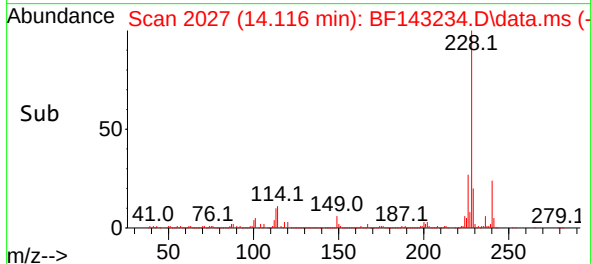
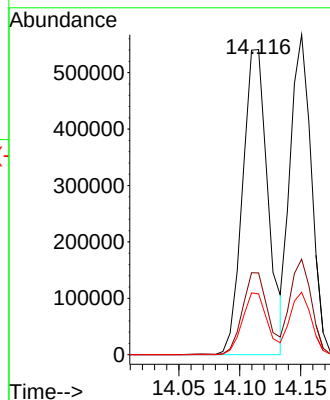
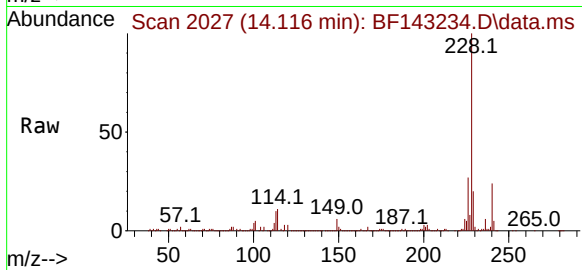
Tgt Ion:228 Resp: 784276

Ion Ratio Lower Upper

228 100

226 26.8 21.7 32.5

229 19.9 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 17.271 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

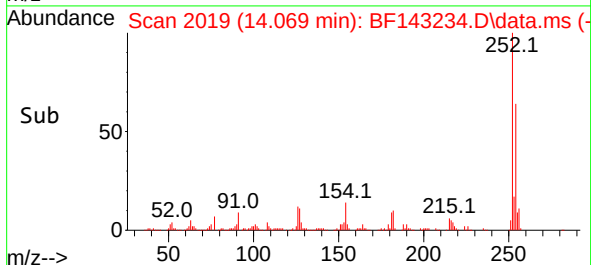
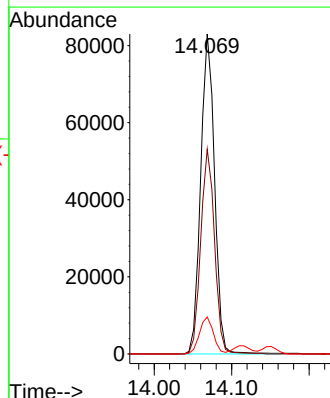
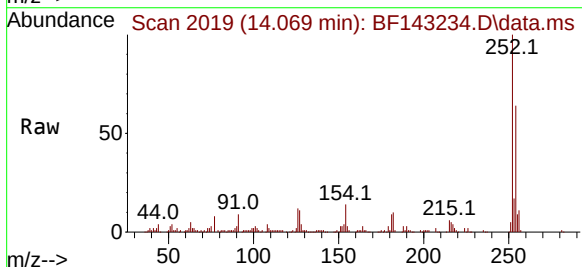
Tgt Ion:252 Resp: 103133

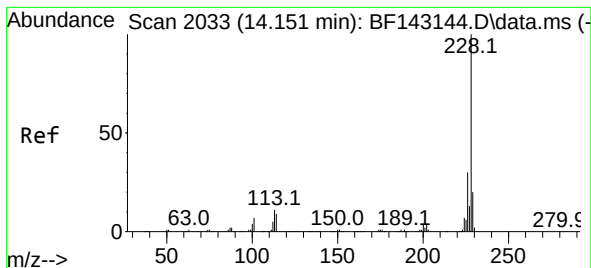
Ion Ratio Lower Upper

252 100

254 64.0 51.7 77.5

126 11.6 9.4 14.0





#83

Chrysene

Concen: 42.603 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

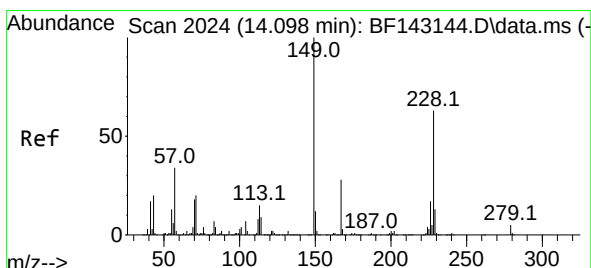
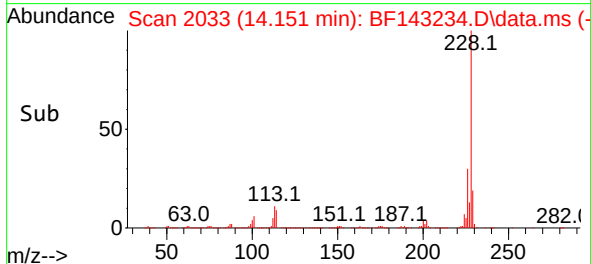
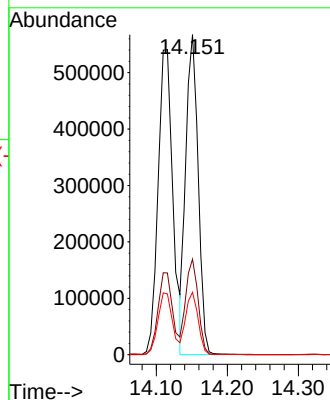
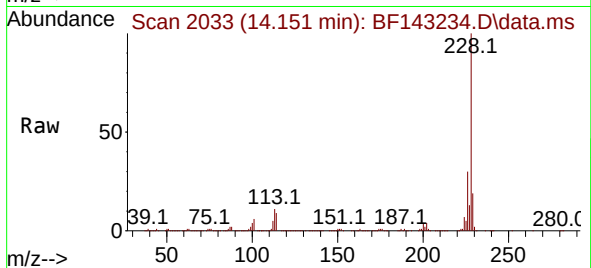
Tgt Ion:228 Resp: 686286

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 19.5 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.999 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

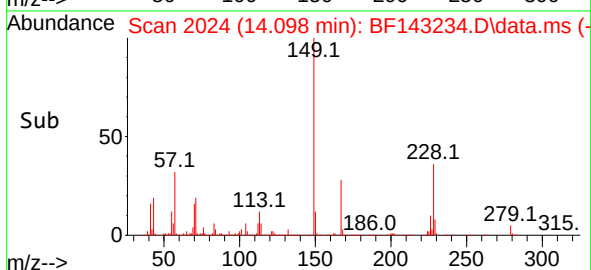
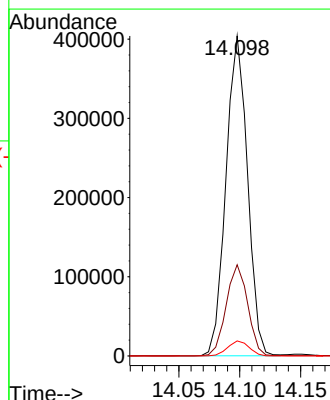
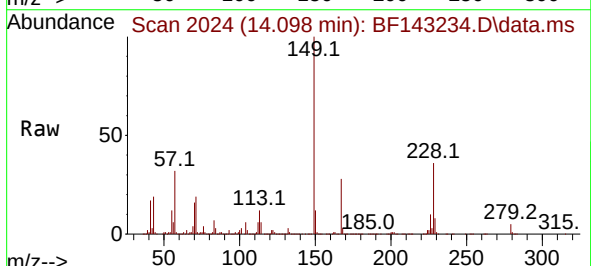
Tgt Ion:149 Resp: 497523

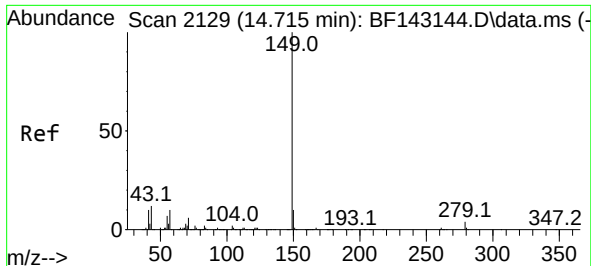
Ion Ratio Lower Upper

149 100

167 28.5 22.3 33.5

279 4.7 3.6 5.4

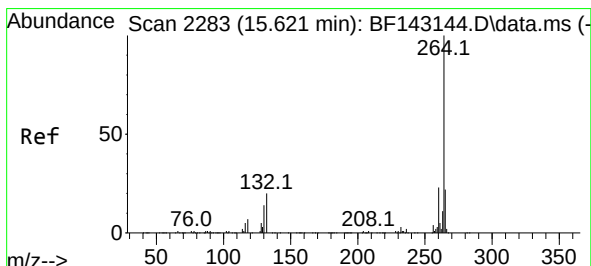
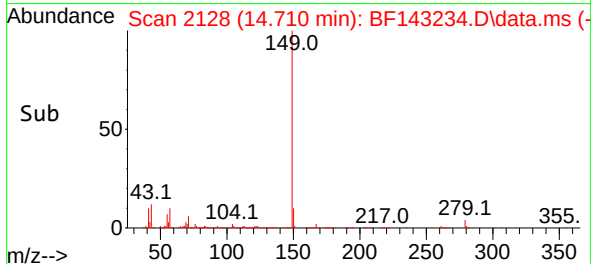
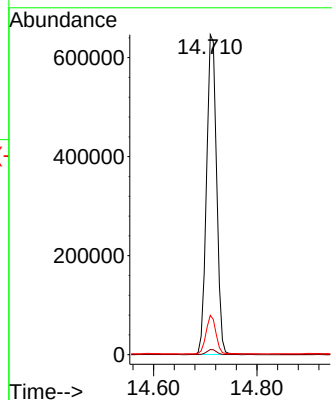
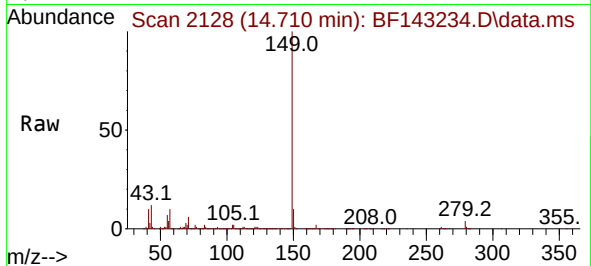




#85  
Di-n-octyl phthalate  
Concen: 45.485 ng  
RT: 14.710 min Scan# 2129  
Delta R.T. -0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

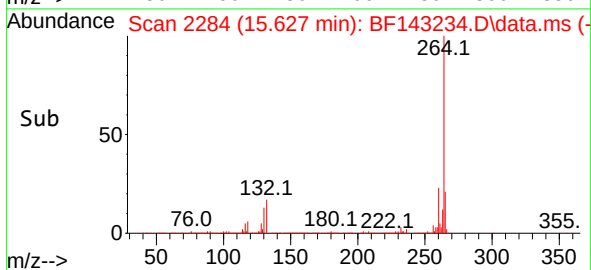
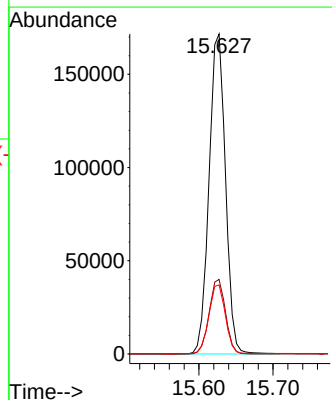
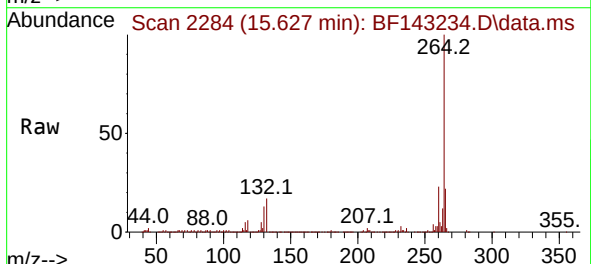
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

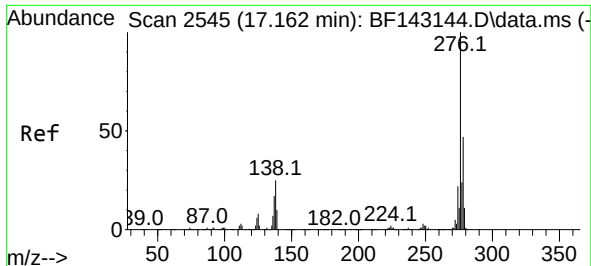
Tgt Ion:149 Resp: 872775  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.1 1.7  
43 11.8 9.7 14.5



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.627 min Scan# 2284  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:264 Resp: 264420  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.5 27.7  
265 21.6 17.4 26.2

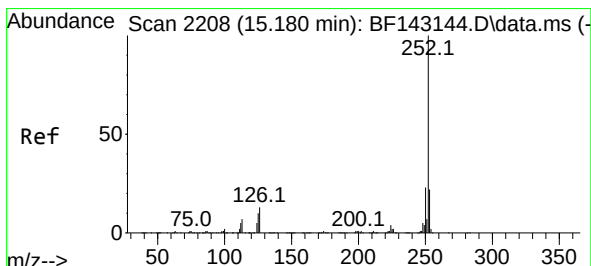
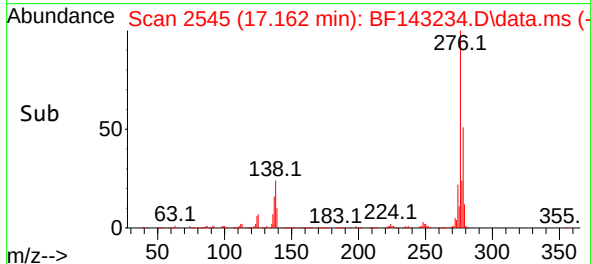
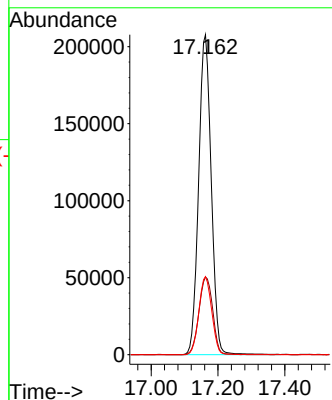
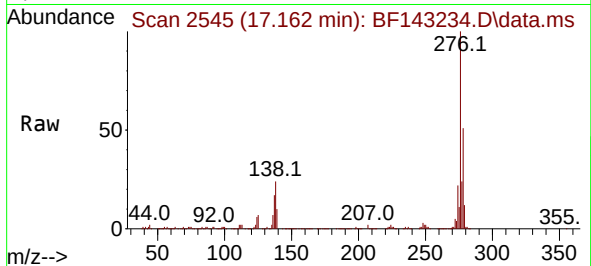




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 29.105 ng  
 RT: 17.162 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

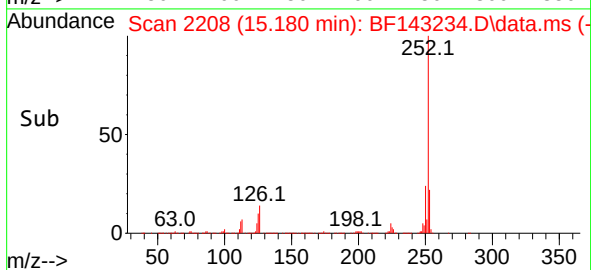
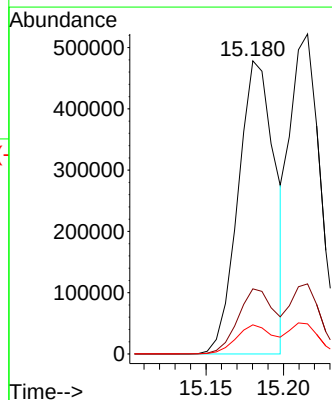
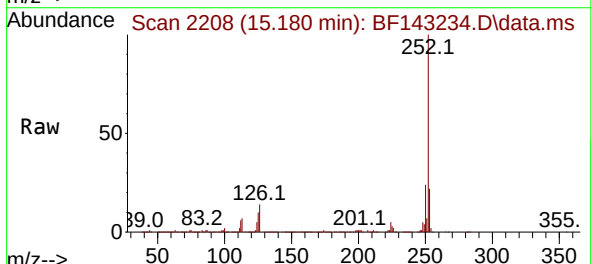
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2MSD

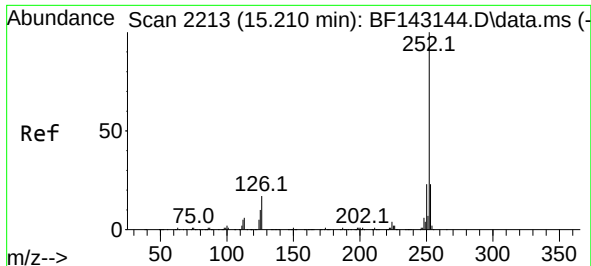
Tgt Ion:276 Resp: 542663  
 Ion Ratio Lower Upper  
 276 100  
 138 26.6 21.8 32.6  
 277 24.9 20.0 30.0



#88  
 Benzo(b)fluoranthene  
 Concen: 48.826 ng  
 RT: 15.180 min Scan# 2208  
 Delta R.T. 0.000 min  
 Lab File: BF143234.D  
 Acq: 24 Jul 2025 15:29

Tgt Ion:252 Resp: 788712  
 Ion Ratio Lower Upper  
 252 100  
 253 22.2 17.5 26.3  
 125 10.0 8.0 12.0

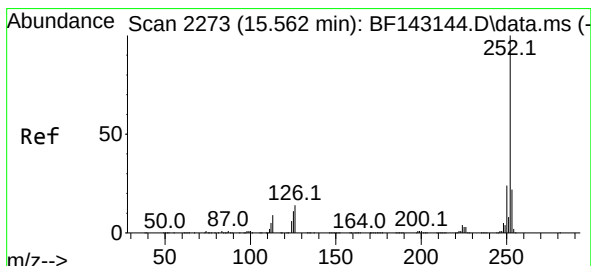
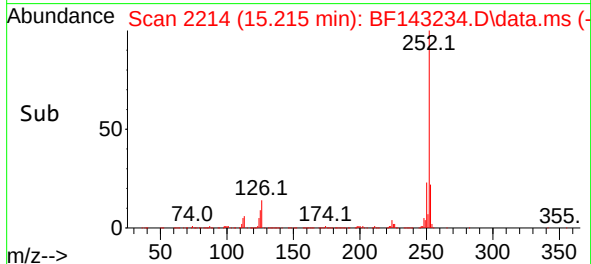
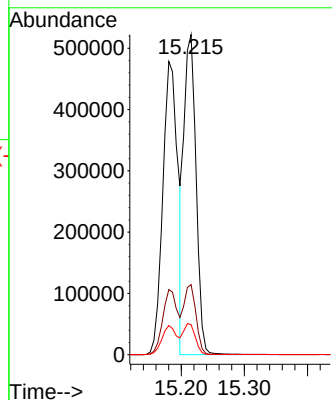
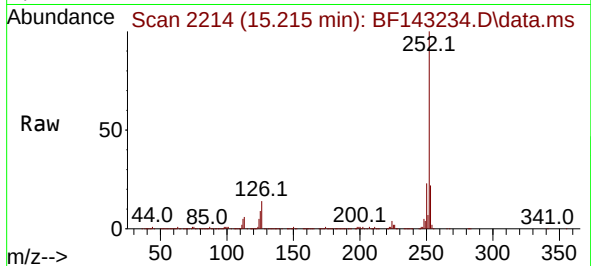




#89  
Benzo(k)fluoranthene  
Concen: 48.576 ng  
RT: 15.215 min Scan# 2213  
Delta R.T. 0.006 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

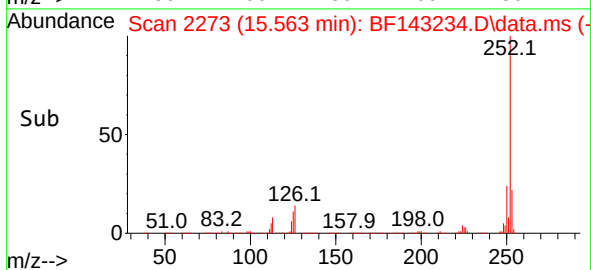
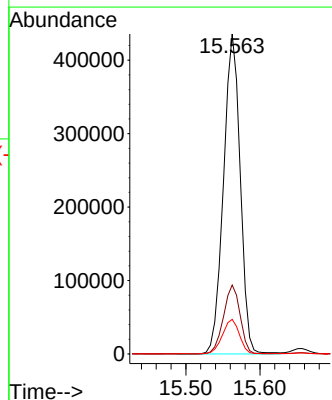
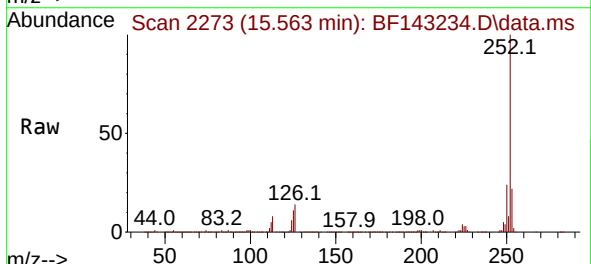
Instrument :  
BNA\_F  
ClientSampleId :  
TP-2MSD

Tgt Ion:252 Resp: 700207  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.8 26.6  
125 9.4 8.1 12.1

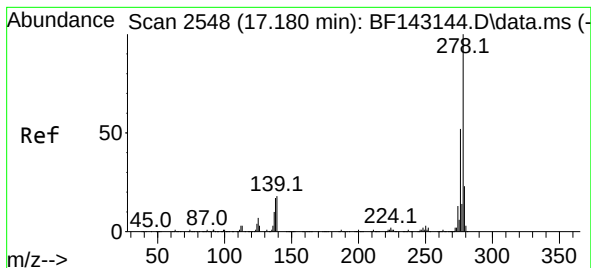


#90  
Benzo(a)pyrene  
Concen: 45.906 ng  
RT: 15.563 min Scan# 2273  
Delta R.T. 0.000 min  
Lab File: BF143234.D  
Acq: 24 Jul 2025 15:29

Tgt Ion:252 Resp: 683229  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.3 25.9  
125 10.8 8.6 13.0







#91

Dibenzo(a,h)anthracene

Concen: 29.551 ng

RT: 17.180 min Scan# 2548

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Instrument :

BNA\_F

ClientSampleId :

TP-2MSD

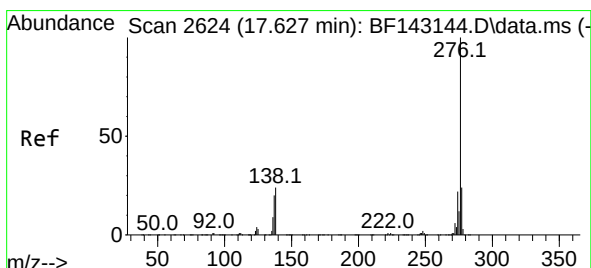
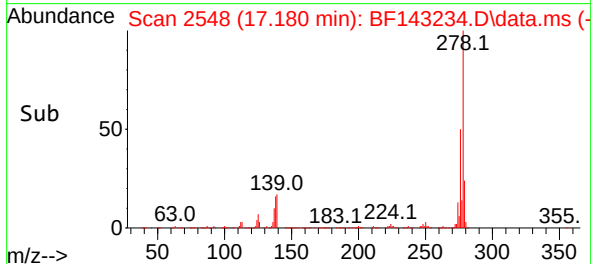
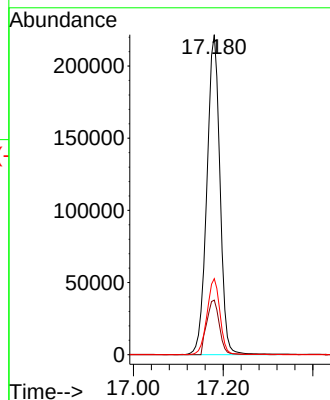
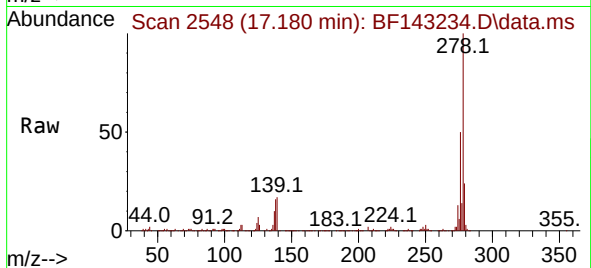
Tgt Ion:278 Resp: 448469

Ion Ratio Lower Upper

278 100

139 17.1 14.1 21.1

279 23.8 18.6 28.0



#92

Benzo(g,h,i)perylene

Concen: 26.951 ng

RT: 17.627 min Scan# 2624

Delta R.T. 0.000 min

Lab File: BF143234.D

Acq: 24 Jul 2025 15:29

Tgt Ion:276 Resp: 395648

Ion Ratio Lower Upper

276 100

277 23.5 19.1 28.7

138 22.3 18.9 28.3

