

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031425\  
 Data File : BF141957.D  
 Acq On : 14 Mar 2025 11:09  
 Operator : RC/JU  
 Sample : PB167113BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167113BS

Quant Time: Mar 14 11:51:39 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 154232   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 607275   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 341067   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 581893   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 340637   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 321183   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1305006  | 141.216 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.504  | 99   | 1588738  | 135.027 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 1069806  | 99.138  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 680590   | 157.293 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 2236708  | 99.734  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 2520980  | 109.417 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.763  | 88   | 179550   | 46.370  | ng    | 98       |
| 3) Pyridine                   | 3.516  | 79   | 412876   | 43.470  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 206417   | 45.591  | ng    | 98       |
| 6) Aniline                    | 6.539  | 93   | 447007   | 38.511  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.663  | 128  | 485534   | 47.373  | ng    | 98       |
| 9) Benzaldehyde               | 6.428  | 77   | 147526   | 22.419  | ng    | 100      |
| 10) Phenol                    | 6.516  | 94   | 565209   | 45.661  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 424065   | 45.625  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 519457   | 46.946  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 526169   | 46.998  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 504574   | 47.849  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 423502   | 44.522  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 482970   | 43.041  | ng    | 99       |
| 17) 2-Methylphenol            | 7.122  | 107  | 384015   | 47.123  | ng    | 99       |
| 18) Hexachloroethane          | 7.392  | 117  | 195990   | 46.684  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.286  | 70   | 328444   | 43.443  | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 483932   | 46.362  | ng    | 94       |
| 22) Acetophenone              | 7.286  | 105  | 728959   | 50.125  | ng    | 100      |
| 24) Nitrobenzene              | 7.457  | 77   | 499347   | 46.548  | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 901302   | 47.251  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 255508   | 48.529  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.804  | 122  | 423019   | 58.349  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 542290   | 45.327  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.010  | 162  | 417216   | 46.364  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 456155   | 45.998  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 1396112  | 44.755  | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 327369m  | 51.369  | ng    |          |
| 33) 4-Chloroaniline           | 8.222  | 127  | 234635   | 21.307  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 309329   | 47.830  | ng    | 98       |
| 35) Caprolactam               | 8.592  | 113  | 133090m  | 48.511  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 451341   | 44.963  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 912231   | 43.750  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 884264   | 43.948  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 543343   | 52.324  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 666256   | 163.944 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 325197   | 47.919  | ng    | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 333178   | 48.474  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 1329930  | 51.319  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 905854   | 46.898  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.451  | 65   | 263709   | 47.153  | ng    | 99       |
| 49) Acenaphthylene            | 9.775  | 152  | 1418834  | 49.500  | ng    | 100      |
| 50) Dimethylphthalate         | 9.633  | 163  | 1097787  | 45.963  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 239750   | 48.211  | ng    | 92       |
| 52) Acenaphthene              | 9.945  | 154  | 1047621  | 52.008  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.863  | 138  | 146388   | 29.020  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 263648   | 92.217  | ng    | # 51     |
| 55) Dibenzofuran              | 10.122 | 168  | 1290216  | 44.826  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 387913   | 101.973 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 328855   | 50.631  | ng    | 99       |
| 58) Fluorene                  | 10.463 | 166  | 1029067  | 46.362  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 298197   | 47.677  | ng    | 98       |
| 60) Diethylphthalate          | 10.333 | 149  | 1080043  | 45.351  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 534185   | 46.162  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.480 | 138  | 223110   | 45.431  | ng    | 99       |
| 63) Azobenzene                | 10.616 | 77   | 963645   | 43.522  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 169975   | 48.999  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.574 | 169  | 885145   | 47.006  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 349762   | 47.861  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 398512   | 49.720  | ng    | 95       |
| 69) Atrazine                  | 11.098 | 200  | 355635   | 61.607  | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 483008   | 97.808  | ng    | 100      |
| 71) Phenanthrene              | 11.427 | 178  | 1497004  | 47.630  | ng    | 99       |
| 72) Anthracene                | 11.474 | 178  | 1515643  | 48.066  | ng    | 100      |
| 73) Carbazole                 | 11.627 | 167  | 1246916  | 45.853  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1587381  | 43.992  | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 1451241  | 43.529  | ng    | 100      |
| 77) Benzidine                 | 12.727 | 184  | 343335   | 72.243  | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 1458597  | 49.502  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 502076   | 43.534  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1086233  | 48.595  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 208944   | 32.346  | ng    | 99       |
| 83) Chrysene                  | 14.063 | 228  | 937541   | 46.271  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 613998   | 38.613  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 929523   | 42.012  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 1164583  | 56.052  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 881653   | 40.052  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 892889   | 47.399  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 855913   | 49.693  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 946945   | 55.240  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.445 | 276  | 895451   | 52.859  | ng    | 98       |

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

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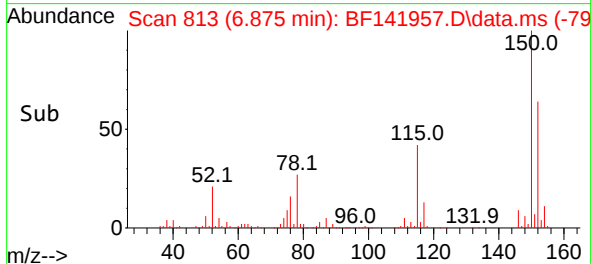
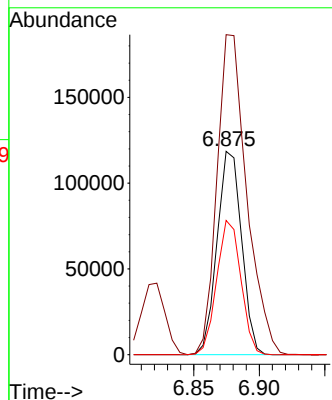
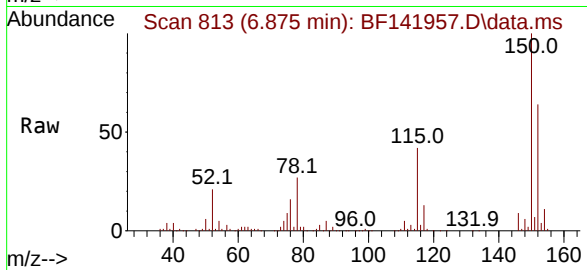




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.875 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF141957.D  
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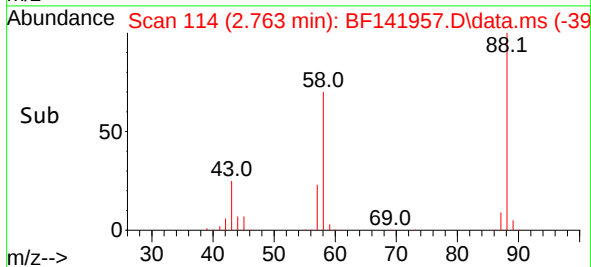
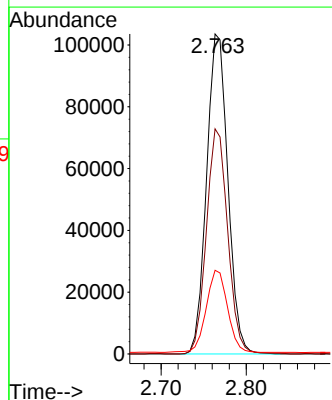
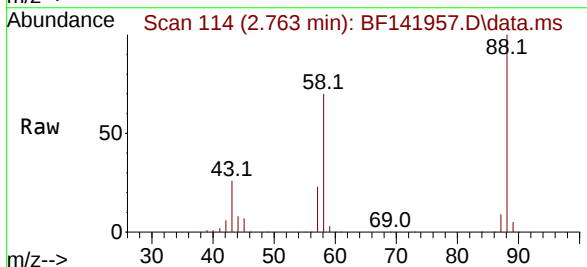
Instrument :  
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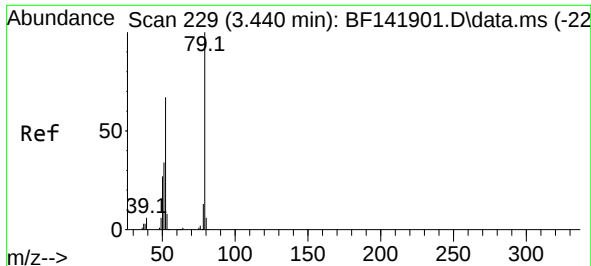
Tgt Ion:152 Resp: 154232  
 Ion Ratio Lower Upper  
 152 100  
 150 157.3 127.4 191.2  
 115 66.0 51.9 77.9



#2  
 1,4-Dioxane  
 Concen: 46.370 ng  
 RT: 2.763 min Scan# 114  
 Delta R.T. 0.088 min  
 Lab File: BF141957.D  
 Acq: 14 Mar 2025 11:09

Tgt Ion: 88 Resp: 179550  
 Ion Ratio Lower Upper  
 88 100  
 58 70.6 57.4 86.2  
 43 25.7 21.5 32.3





#3

Pyridine

Concen: 43.470 ng

RT: 3.516 min Scan# 24

Delta R.T. 0.076 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

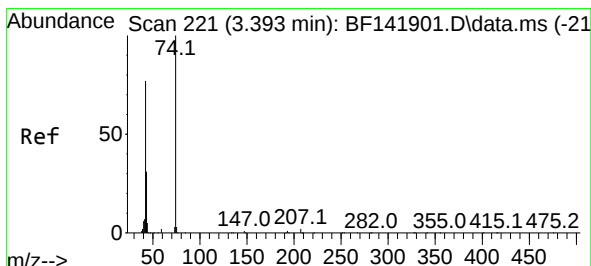
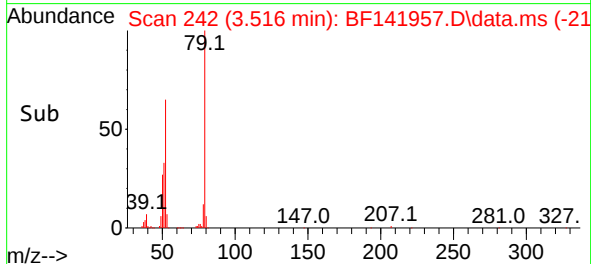
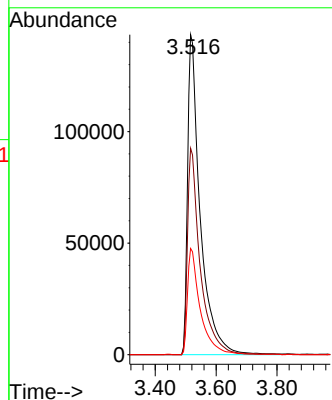
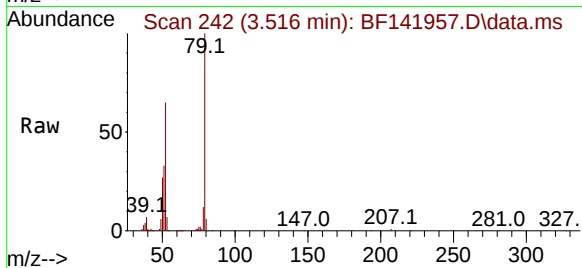
Tgt Ion: 79 Resp: 412876

Ion Ratio Lower Upper

79 100

52 64.5 53.3 79.9

51 33.2 27.6 41.4



#4

n-Nitrosodimethylamine

Concen: 45.591 ng

RT: 3.463 min Scan# 233

Delta R.T. 0.071 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

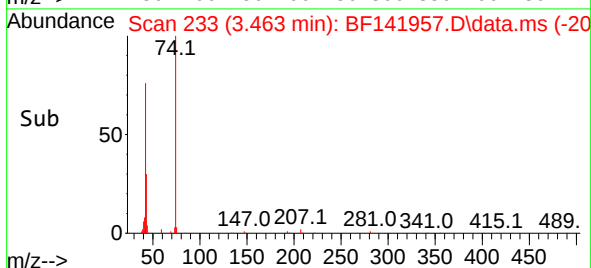
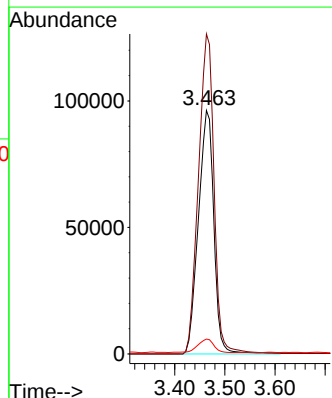
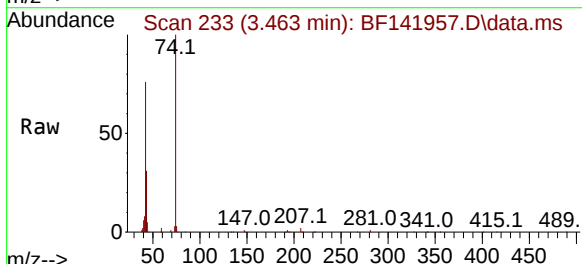
Tgt Ion: 42 Resp: 206417

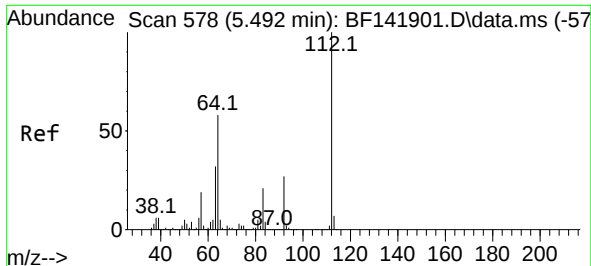
Ion Ratio Lower Upper

42 100

74 131.4 103.4 155.0

44 6.1 5.0 7.4

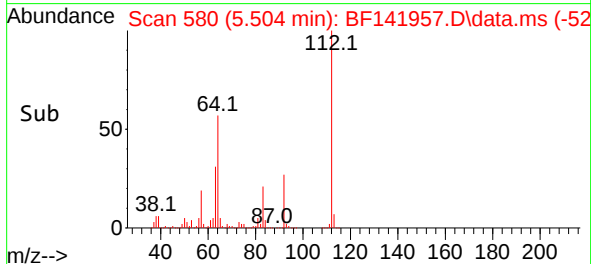
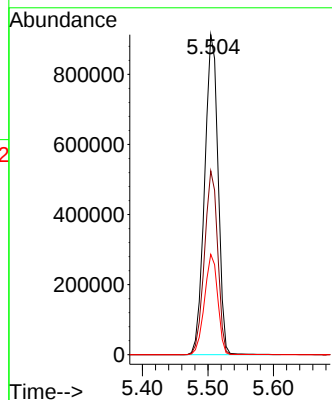
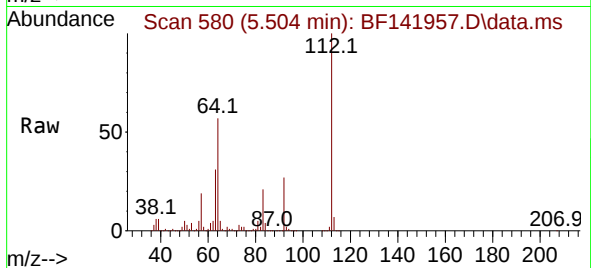




#5  
2-Fluorophenol  
Concen: 141.216 ng  
RT: 5.504 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

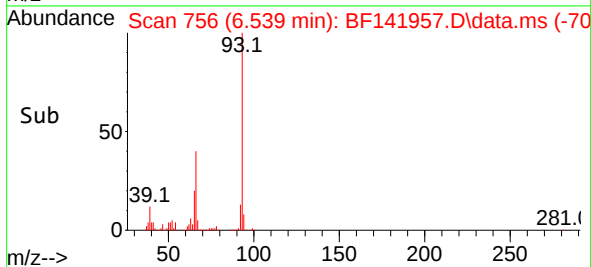
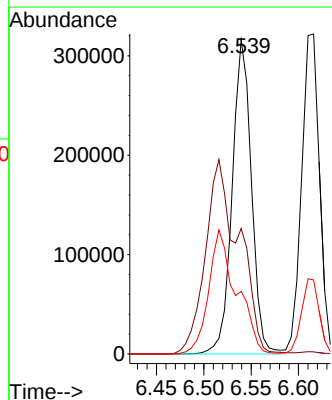
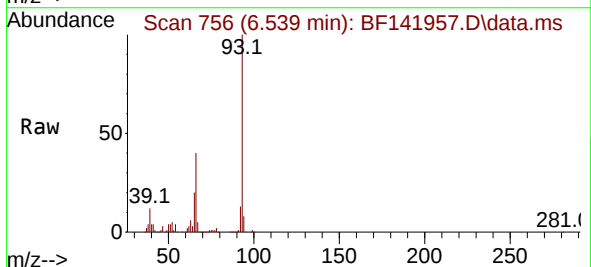
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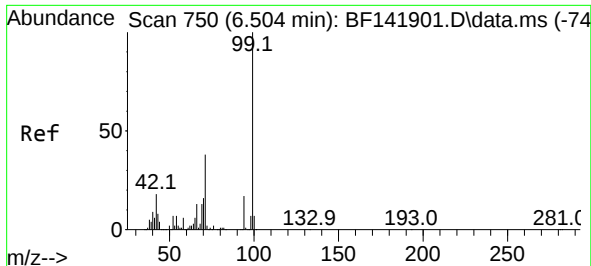
Tgt Ion:112 Resp: 1305006  
Ion Ratio Lower Upper  
112 100  
64 57.5 46.5 69.7  
63 31.3 25.4 38.2



#6  
Aniline  
Concen: 38.511 ng  
RT: 6.539 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion: 93 Resp: 447007  
Ion Ratio Lower Upper  
93 100  
66 40.0 31.9 47.9  
65 19.9 15.8 23.6

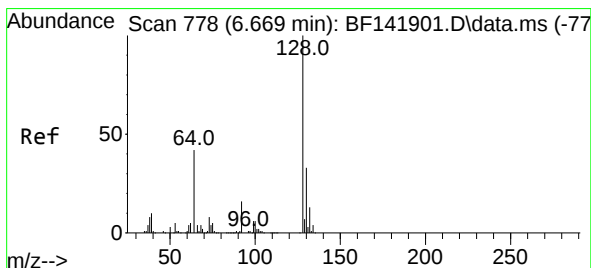
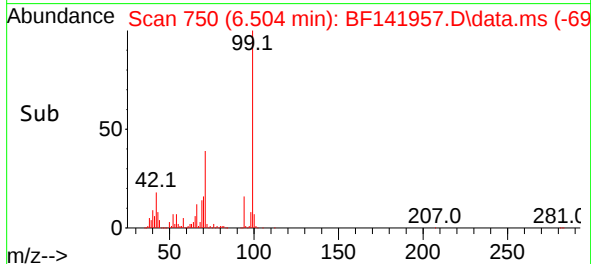
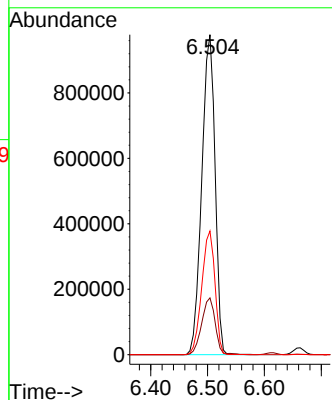
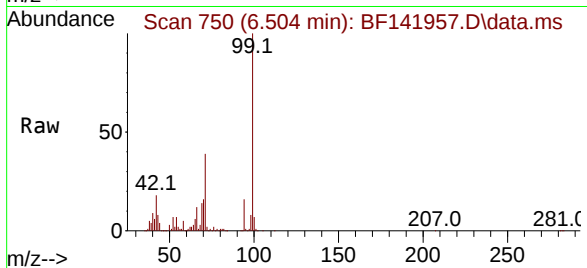




#7  
Phenol-d6  
Concen: 135.027 ng  
RT: 6.504 min Scan# 750  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

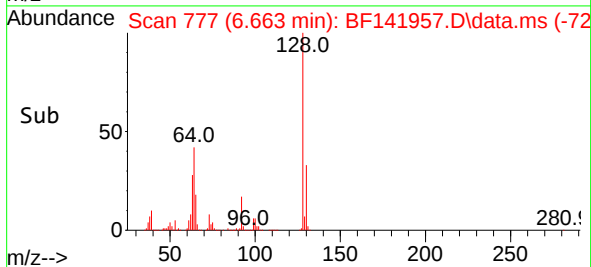
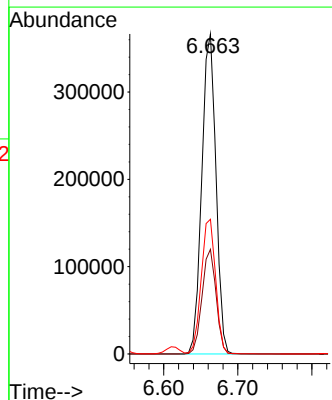
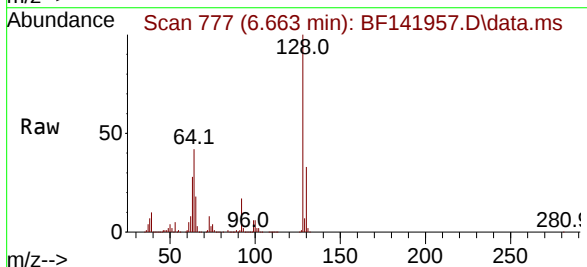
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

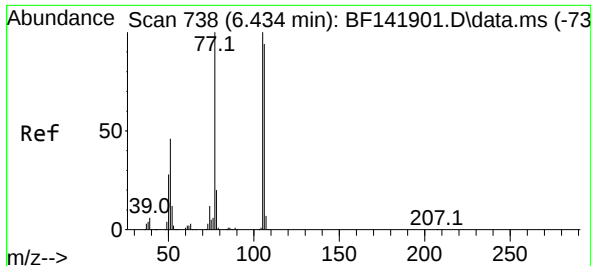
Tgt Ion: 99 Resp: 1588738  
Ion Ratio Lower Upper  
99 100  
42 17.8 14.6 21.8  
71 38.7 30.8 46.2



#8  
2-Chlorophenol  
Concen: 47.373 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:128 Resp: 485534  
Ion Ratio Lower Upper  
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130 32.7 12.8 52.8  
64 42.1 24.4 64.4

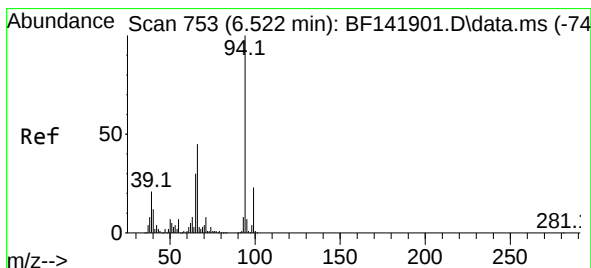
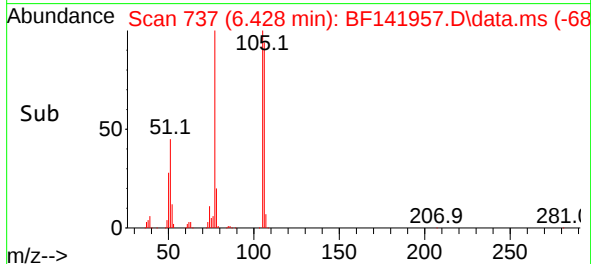
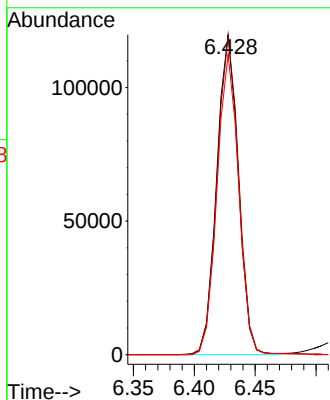
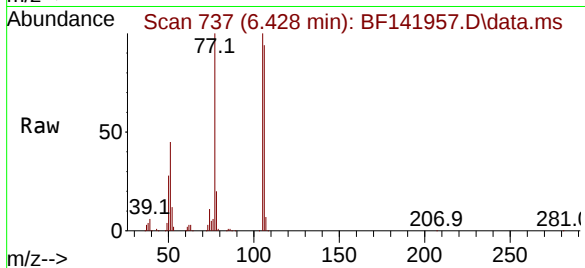




#9  
Benzaldehyde  
Concen: 22.419 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

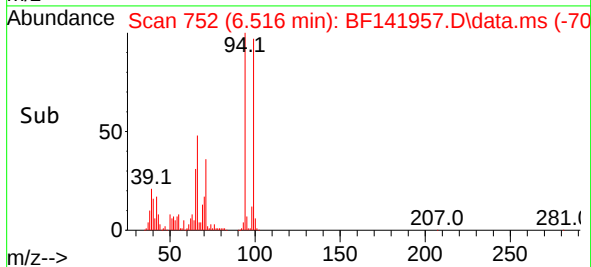
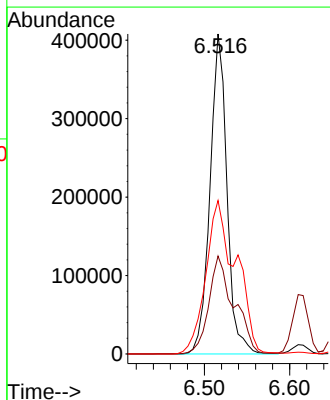
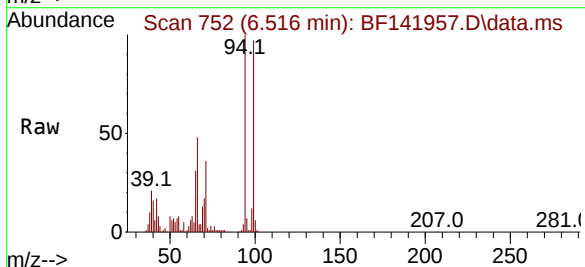
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

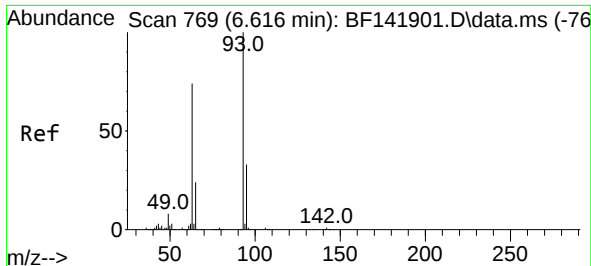
Tgt Ion: 77 Resp: 147526  
Ion Ratio Lower Upper  
77 100  
105 99.7 80.0 120.0  
106 93.9 74.5 114.5



#10  
Phenol  
Concen: 45.661 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion: 94 Resp: 565209  
Ion Ratio Lower Upper  
94 100  
65 30.6 10.5 50.5  
66 48.0 25.8 65.8

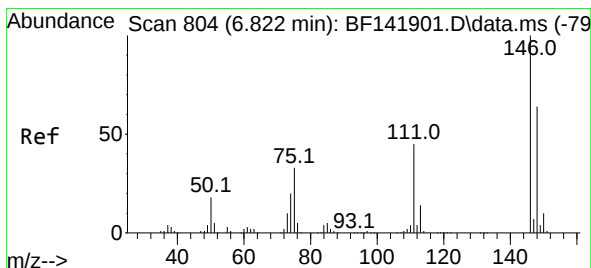
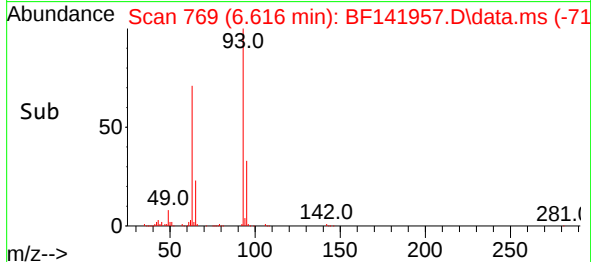
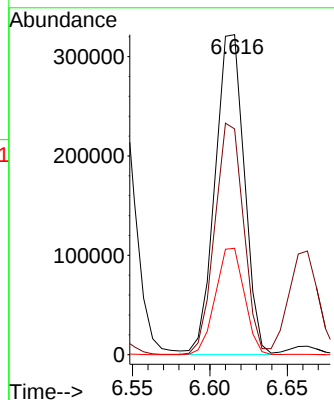
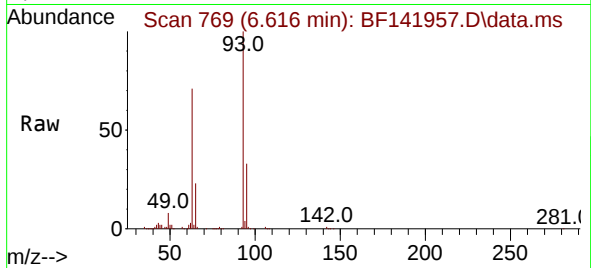




#11  
bis(2-Chloroethyl)ether  
Concen: 45.625 ng  
RT: 6.616 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

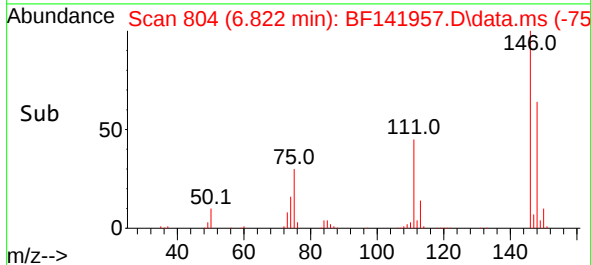
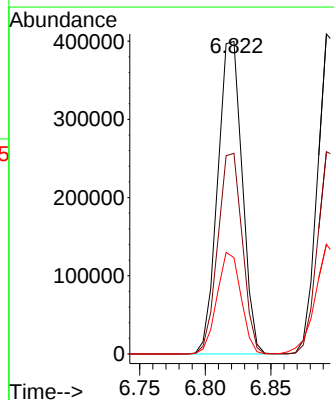
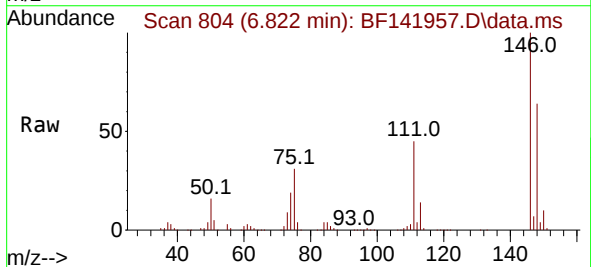
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

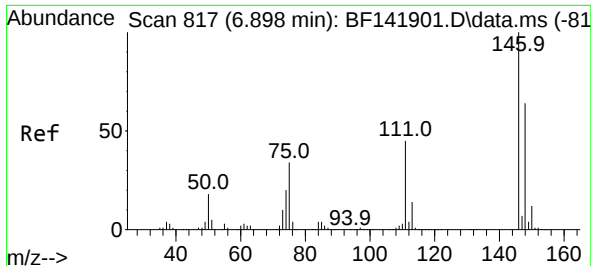
Tgt Ion: 93 Resp: 424065  
Ion Ratio Lower Upper  
93 100  
63 70.6 53.0 93.0  
95 33.2 12.9 52.9



#12  
1,3-Dichlorobenzene  
Concen: 46.946 ng  
RT: 6.822 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:146 Resp: 519457  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.3 76.9  
75 30.8 26.6 40.0

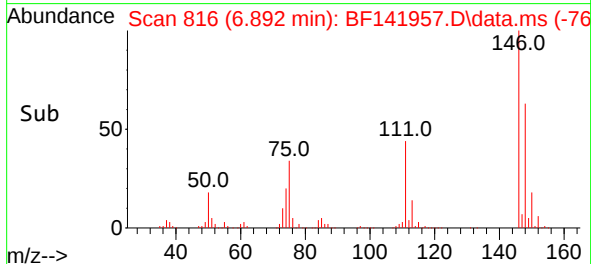
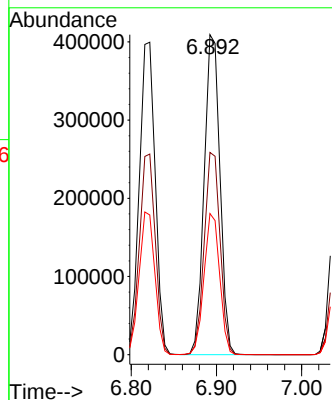
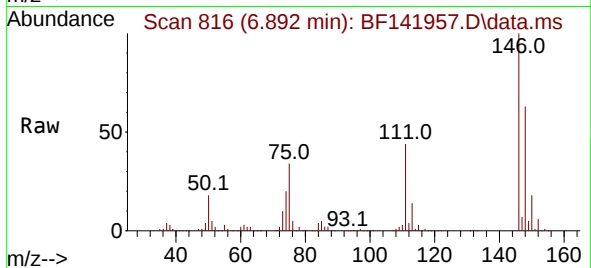




#13  
1,4-Dichlorobenzene  
Concen: 46.998 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

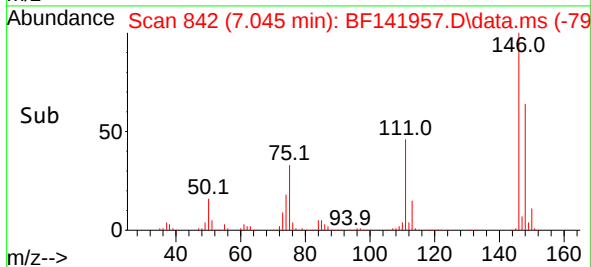
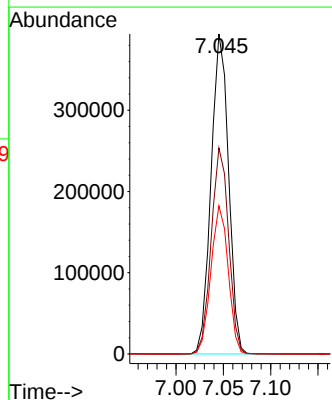
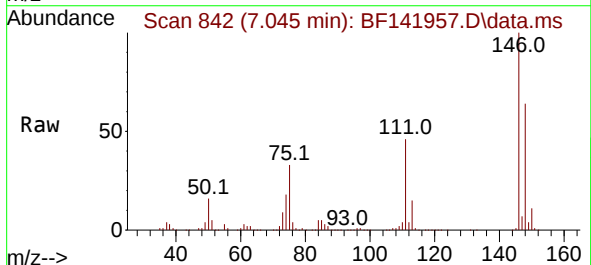
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion:146 Resp: 526169  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.0 76.6  
111 44.1 35.7 53.5



#14  
1,2-Dichlorobenzene  
Concen: 47.849 ng  
RT: 7.045 min Scan# 842  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:146 Resp: 504574  
Ion Ratio Lower Upper  
146 100  
148 64.4 50.8 76.2  
111 46.3 38.0 57.0





#15

Benzyl Alcohol

Concen: 44.522 ng

RT: 7.016 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

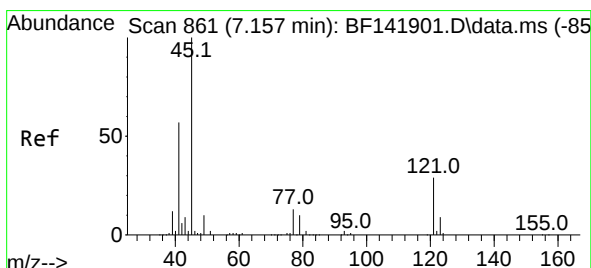
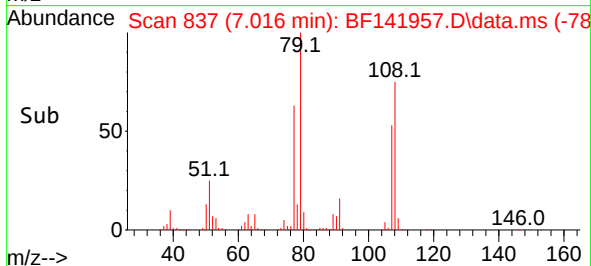
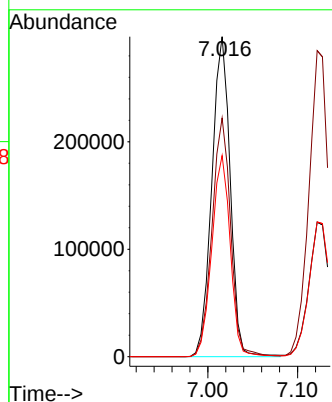
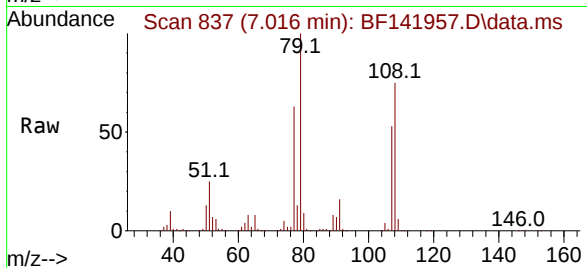
Tgt Ion: 79 Resp: 423502

Ion Ratio Lower Upper

79 100

108 74.6 59.7 89.5

77 62.8 51.0 76.6



#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.041 ng

RT: 7.151 min Scan# 860

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

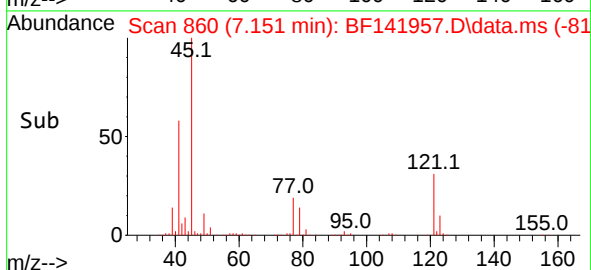
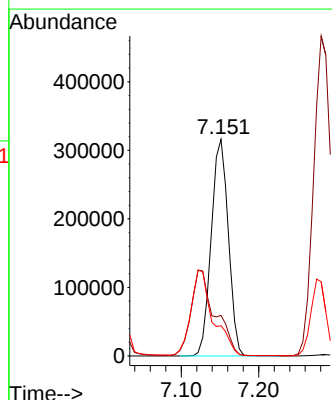
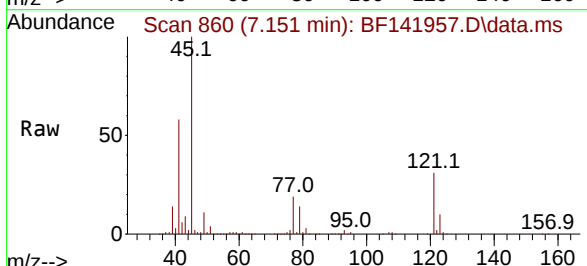
Tgt Ion: 45 Resp: 482970

Ion Ratio Lower Upper

45 100

77 18.7 0.0 37.8

79 14.0 0.0 34.2

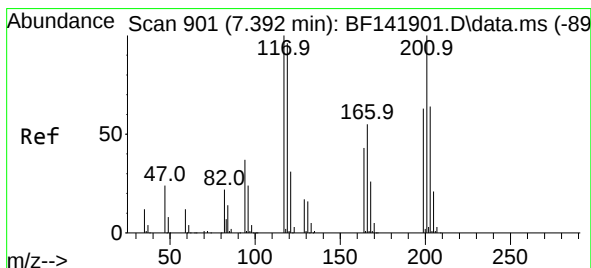
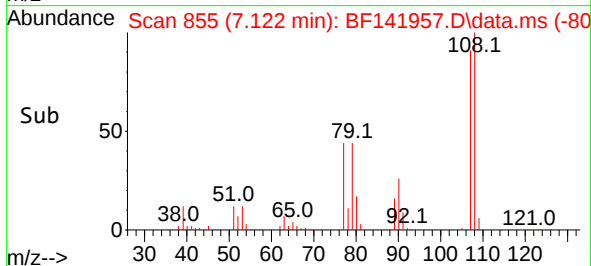
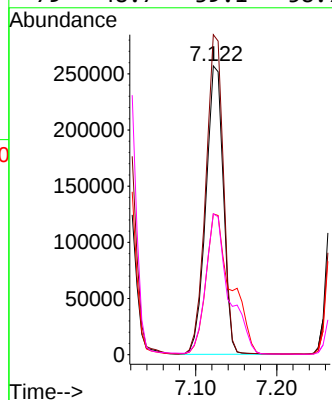
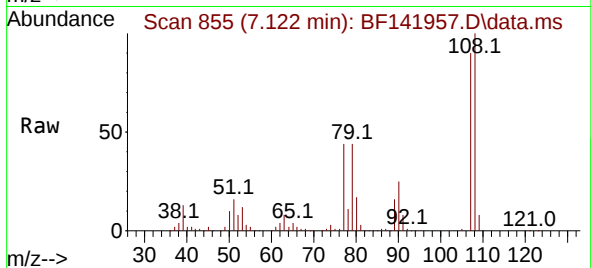




#17  
2-Methylphenol  
Concen: 47.123 ng  
RT: 7.122 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

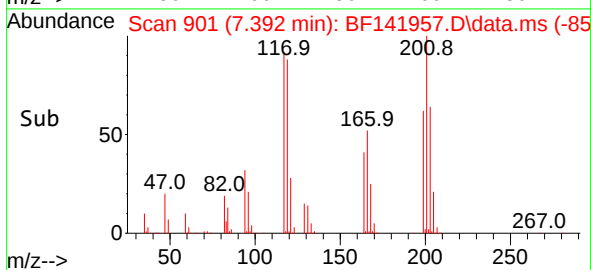
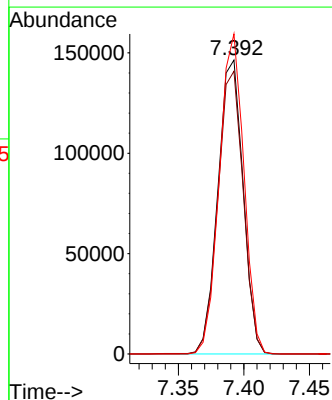
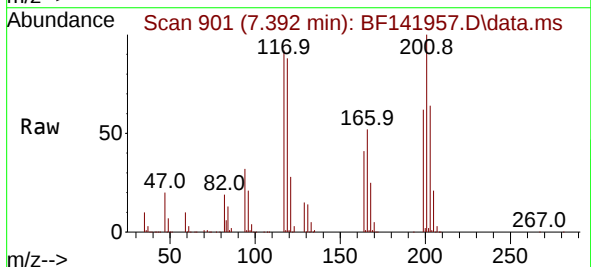
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion:107 Resp: 384015  
Ion Ratio Lower Upper  
107 100  
108 110.8 90.2 135.2  
77 48.8 39.6 59.4  
79 48.7 39.1 58.7



#18  
Hexachloroethane  
Concen: 46.684 ng  
RT: 7.392 min Scan# 901  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:117 Resp: 195990  
Ion Ratio Lower Upper  
117 100  
119 96.2 76.9 115.3  
201 108.9 79.9 119.9

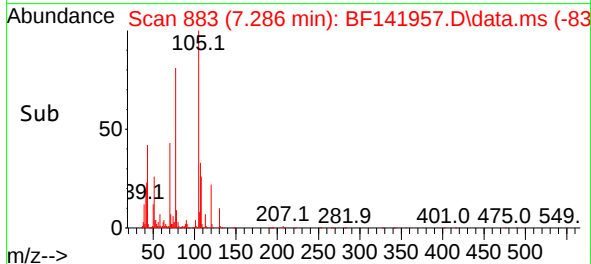
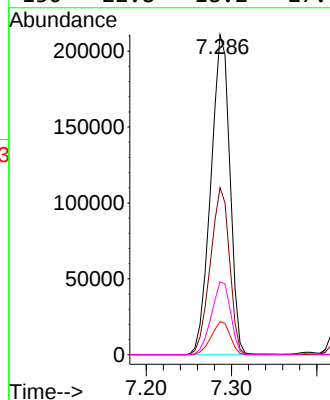
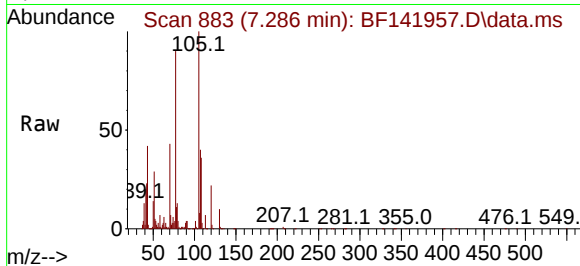




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.443 ng  
RT: 7.286 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

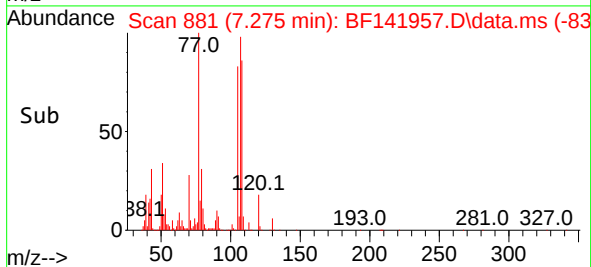
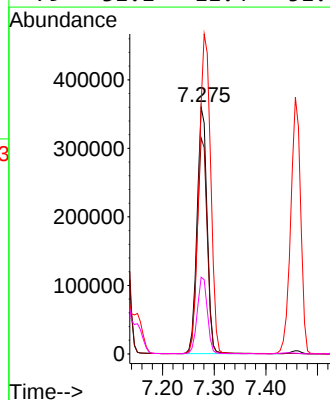
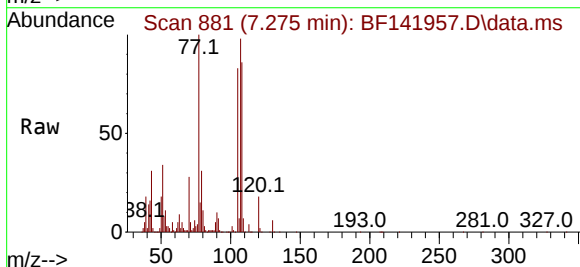
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

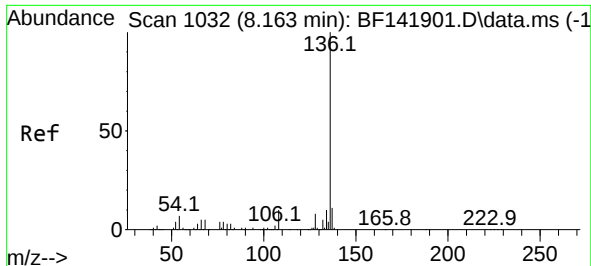
Tgt Ion: 70 Resp: 328444  
Ion Ratio Lower Upper  
70 100  
42 52.2 41.4 62.0  
101 10.3 8.2 12.2  
130 22.8 18.2 27.4



#20  
3+4-Methylphenols  
Concen: 46.362 ng  
RT: 7.275 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

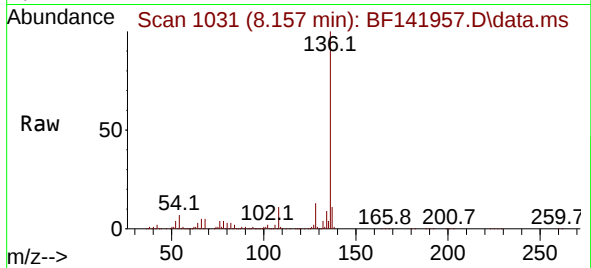
Tgt Ion:107 Resp: 483932  
Ion Ratio Lower Upper  
107 100  
108 87.6 68.4 108.4  
77 101.7 69.7 109.7  
79 31.1 11.4 51.4





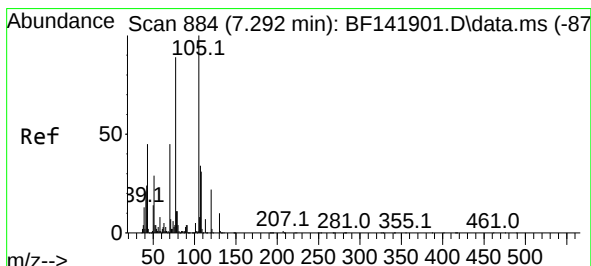
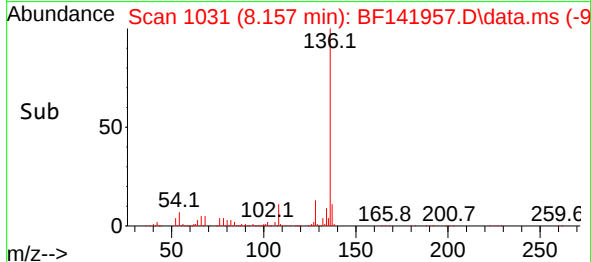
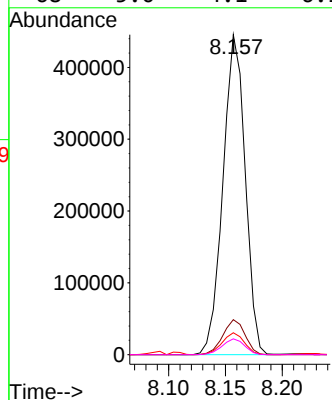
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS



Tgt Ion:136 Resp: 607275

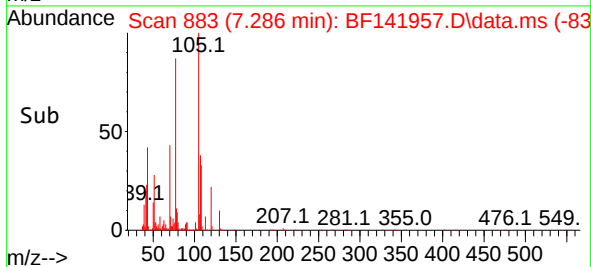
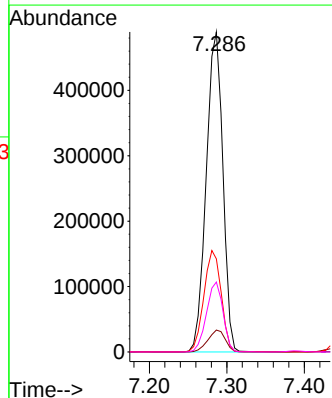
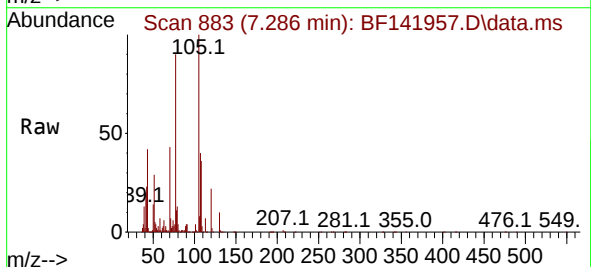
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 6.8   | 5.8   | 8.8   |
| 68  | 5.0   | 4.1   | 6.1   |

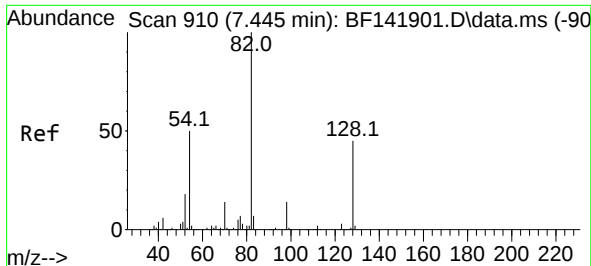


#22  
Acetophenone  
Concen: 50.125 ng  
RT: 7.286 min Scan# 883  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:105 Resp: 728959

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 6.8   | 5.8   | 8.8   |
| 51  | 29.1  | 23.4  | 35.0  |
| 120 | 21.9  | 17.3  | 25.9  |

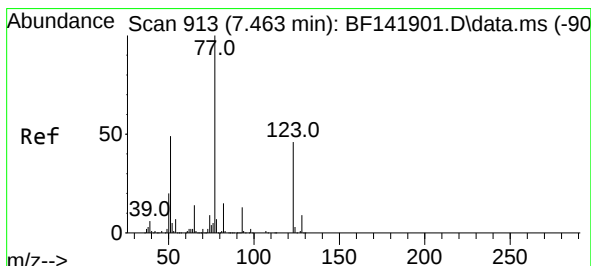
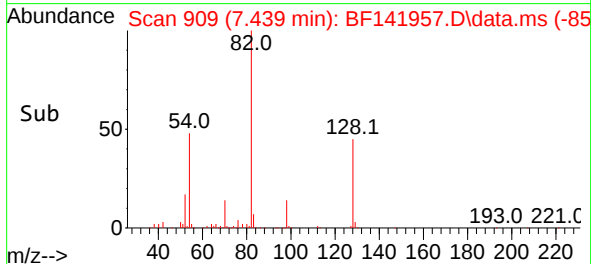
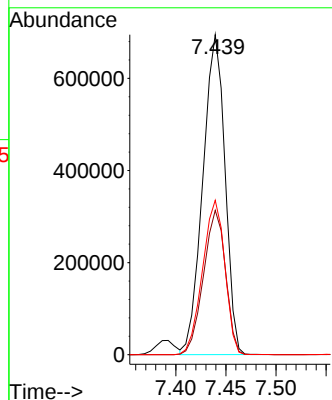
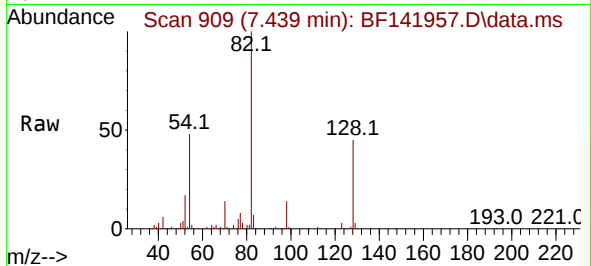




#23  
Nitrobenzene-d5  
Concen: 99.138 ng  
RT: 7.439 min Scan# 909  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

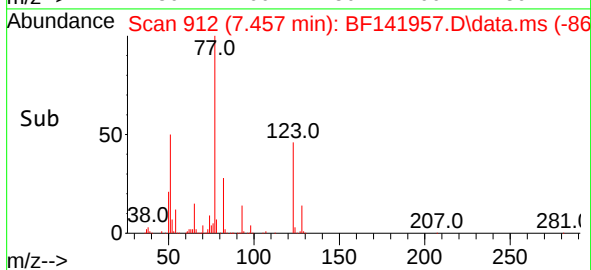
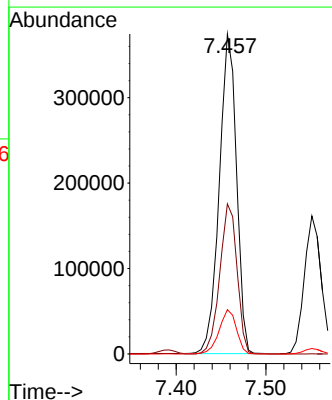
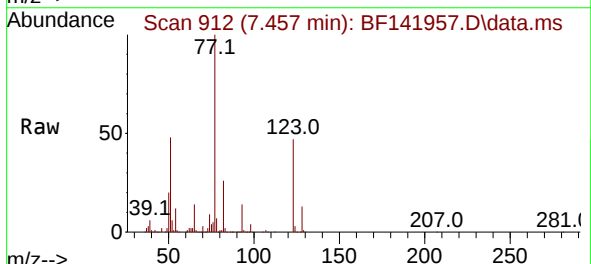
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

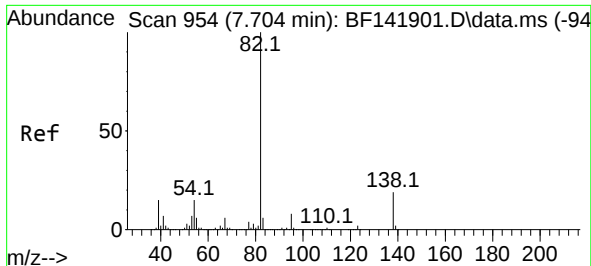
Tgt Ion: 82 Resp: 1069806  
Ion Ratio Lower Upper  
82 100  
128 45.1 36.0 54.0  
54 48.3 39.6 59.4



#24  
Nitrobenzene  
Concen: 46.548 ng  
RT: 7.457 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion: 77 Resp: 499347  
Ion Ratio Lower Upper  
77 100  
123 46.9 37.0 55.4  
65 13.9 11.3 16.9

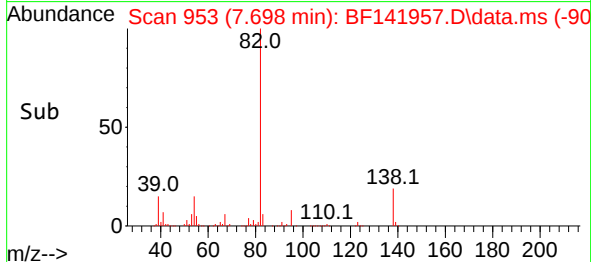
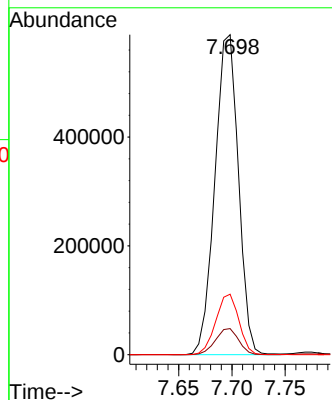
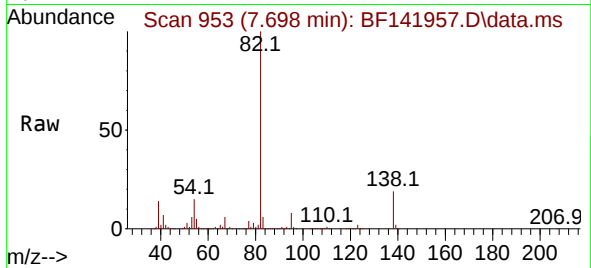




#25  
Isophorone  
Concen: 47.251 ng  
RT: 7.698 min Scan# 913  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

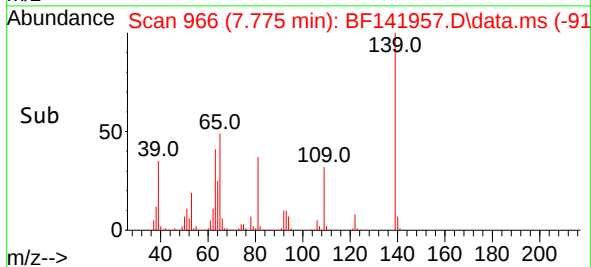
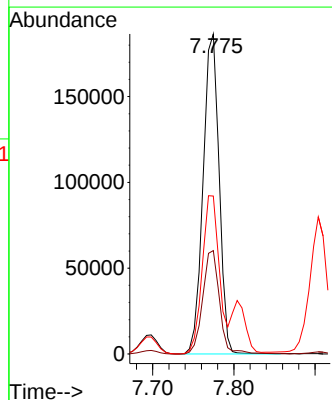
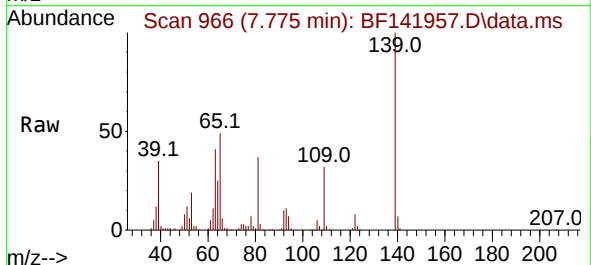
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion: 82 Resp: 901302  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.4 9.6  
138 18.9 14.9 22.3



#26  
2-Nitrophenol  
Concen: 48.529 ng  
RT: 7.775 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:139 Resp: 255508  
Ion Ratio Lower Upper  
139 100  
109 32.3 26.5 39.7  
65 49.3 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 58.349 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

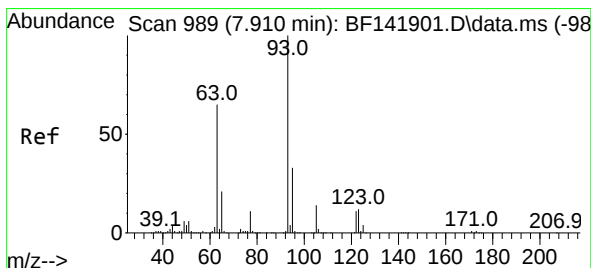
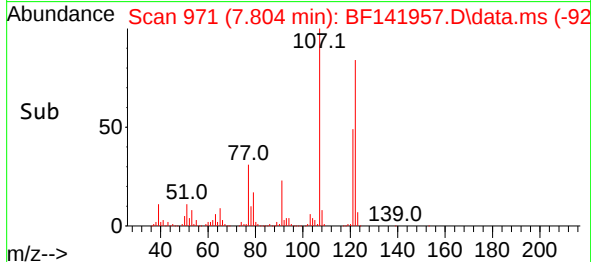
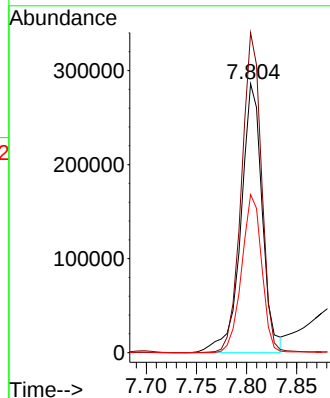
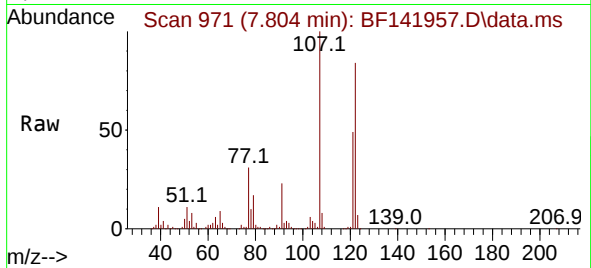
Tgt Ion:122 Resp: 423019

Ion Ratio Lower Upper

122 100

107 119.0 94.8 142.2

121 58.8 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 45.327 ng

RT: 7.904 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

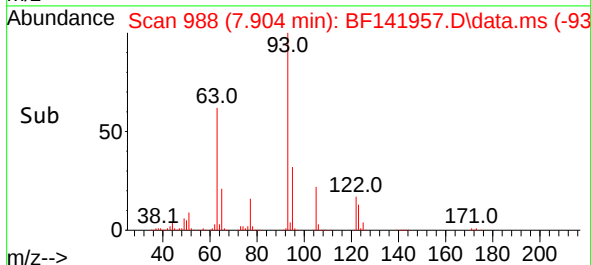
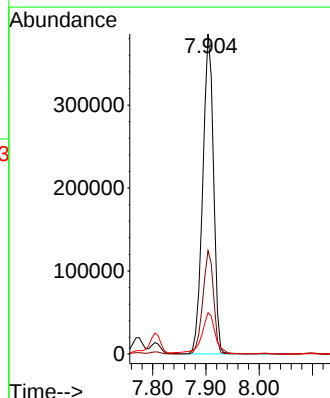
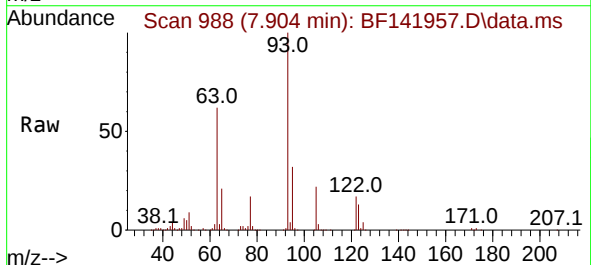
Tgt Ion: 93 Resp: 542290

Ion Ratio Lower Upper

93 100

95 32.3 26.6 40.0

123 12.9 10.2 15.4





#29

2,4-Dichlorophenol

Concen: 46.364 ng

RT: 8.010 min Scan# 1006

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

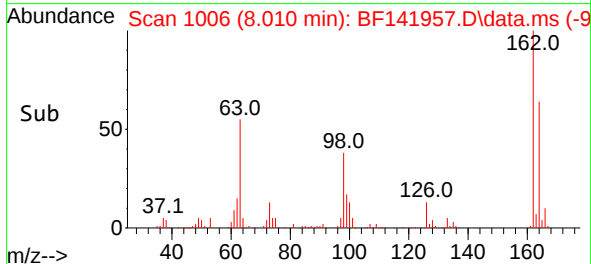
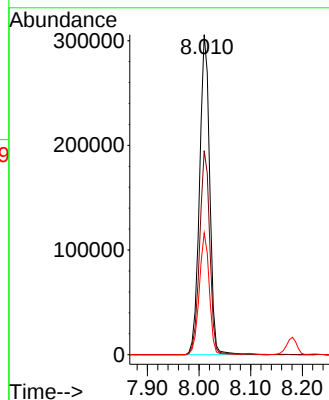
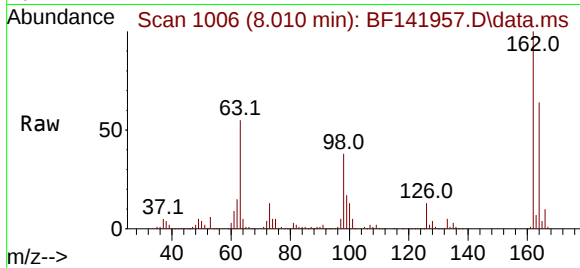
Tgt Ion:162 Resp: 417216

Ion Ratio Lower Upper

162 100

164 63.8 43.8 83.8

98 38.0 18.1 58.1



#30

1,2,4-Trichlorobenzene

Concen: 45.998 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

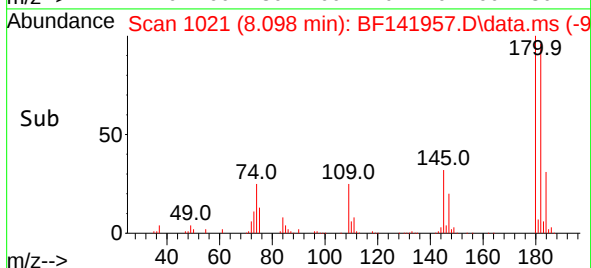
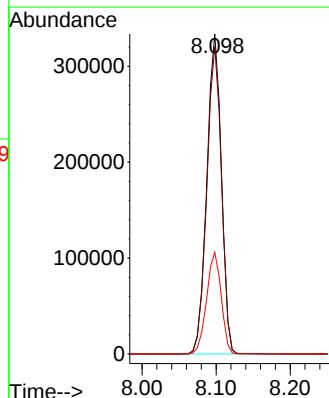
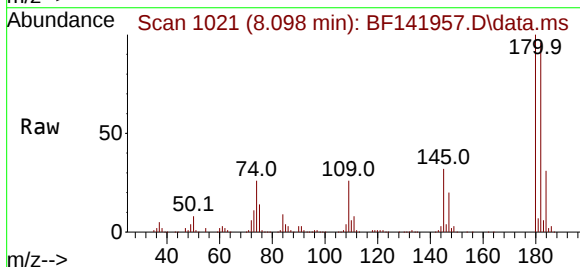
Tgt Ion:180 Resp: 456155

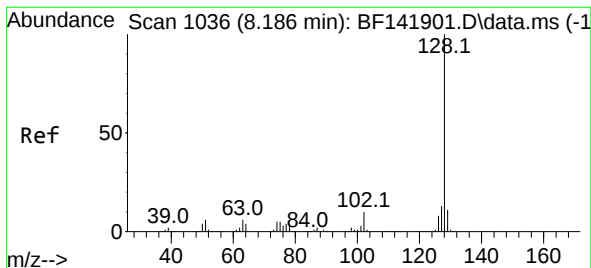
Ion Ratio Lower Upper

180 100

182 96.0 77.5 116.3

145 31.8 25.8 38.6





#31

Naphthalene

Concen: 44.755 ng

RT: 8.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

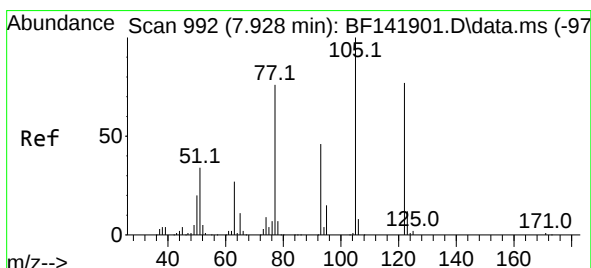
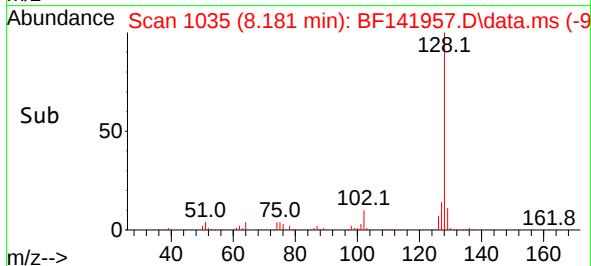
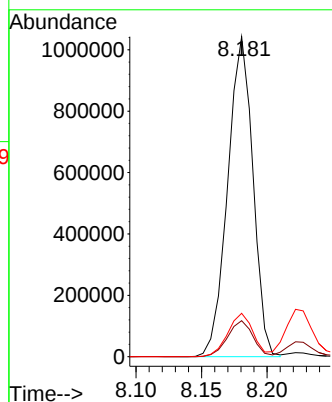
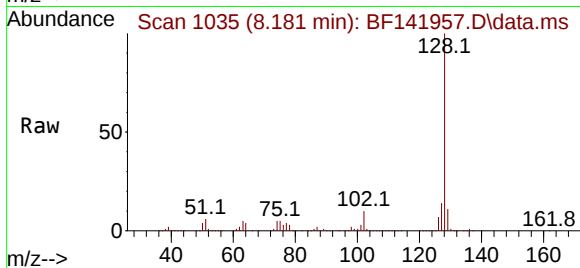
Tgt Ion:128 Resp: 1396112

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 51.369 ng m

RT: 7.922 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

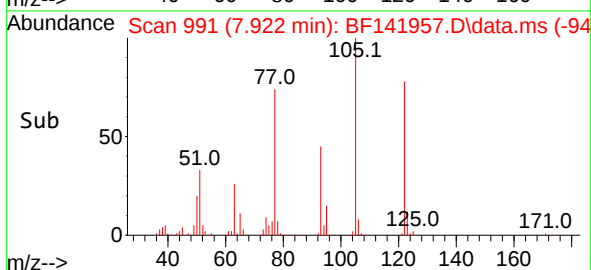
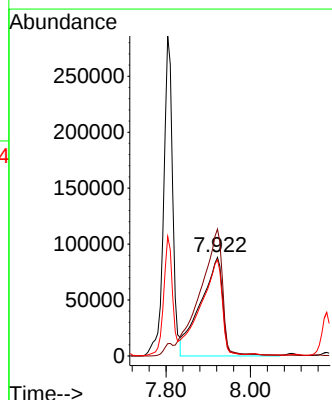
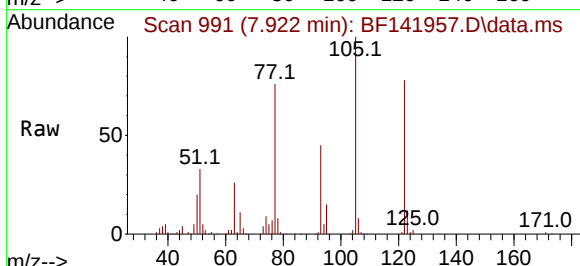
Tgt Ion:122 Resp: 327369

Ion Ratio Lower Upper

122 100

105 128.7 107.9 147.9

77 97.6 79.0 119.0

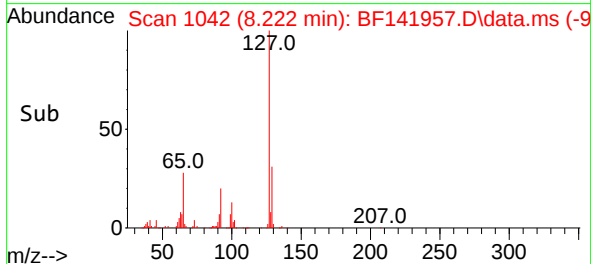
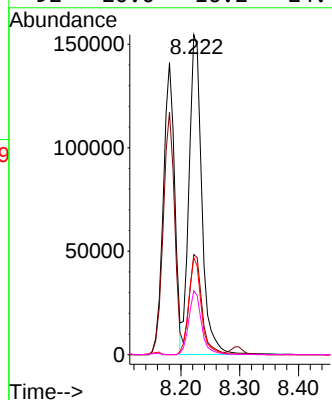
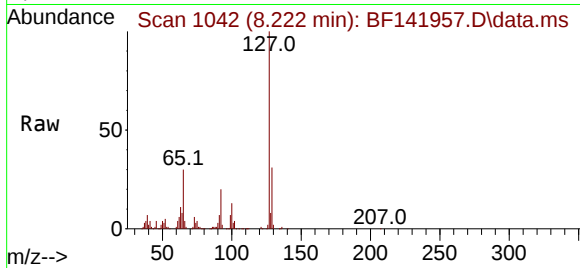




#33  
4-Chloroaniline  
Concen: 21.307 ng  
RT: 8.222 min Scan# 1042  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

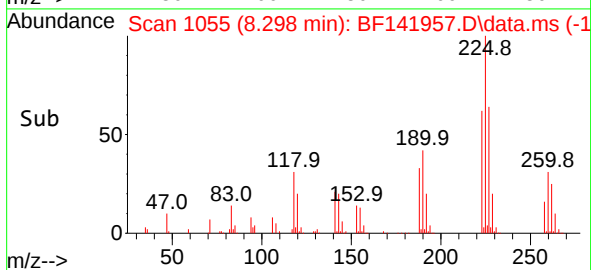
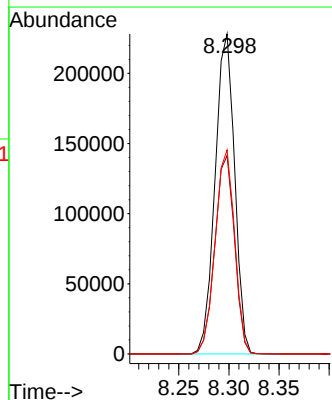
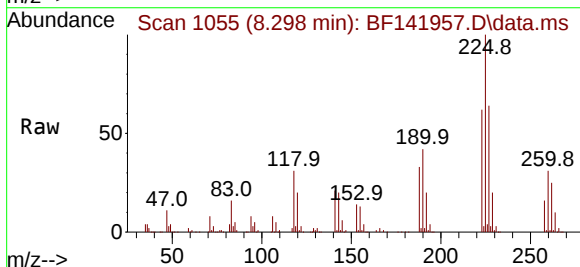
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

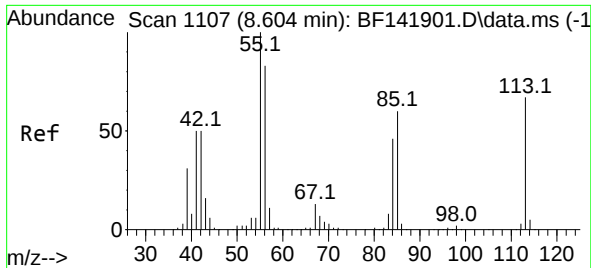
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 234635 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.3  | 26.2  | 39.4   |
| 65       | 30.3  | 25.4  | 38.2   |
| 92       | 20.0  | 16.2  | 24.4   |



#34  
Hexachlorobutadiene  
Concen: 47.830 ng  
RT: 8.298 min Scan# 1055  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 309329 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.0  | 50.6  | 75.8   |
| 227      | 63.7  | 52.2  | 78.2   |

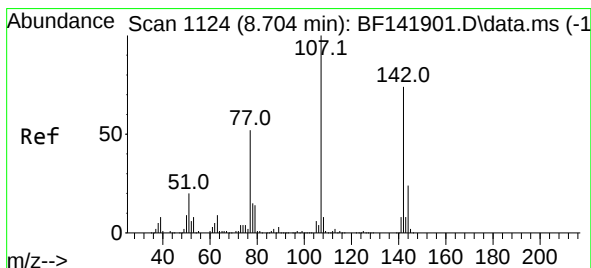
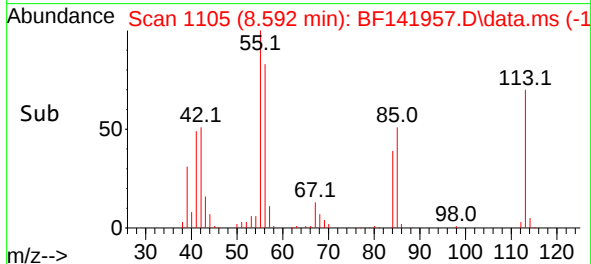
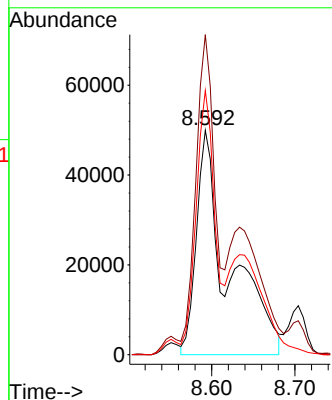
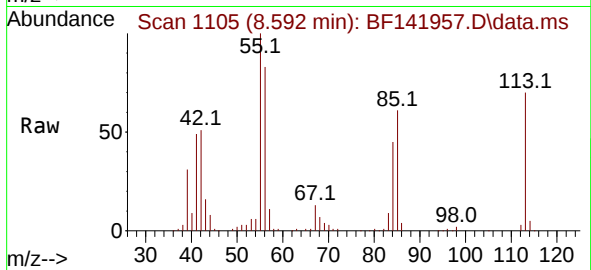




#35  
 Caprolactam  
 Concen: 48.511 ng m  
 RT: 8.592 min Scan# 1105  
 Delta R.T. -0.012 min  
 Lab File: BF141957.D  
 Acq: 14 Mar 2025 11:09

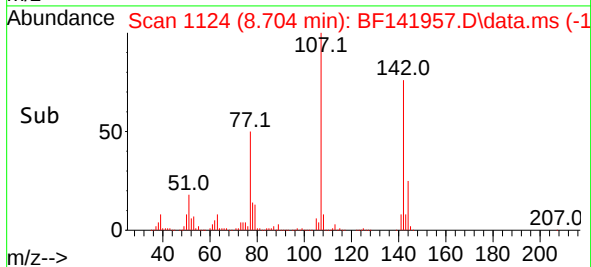
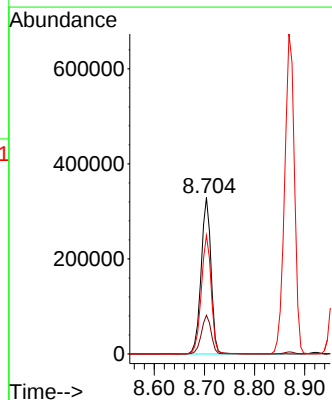
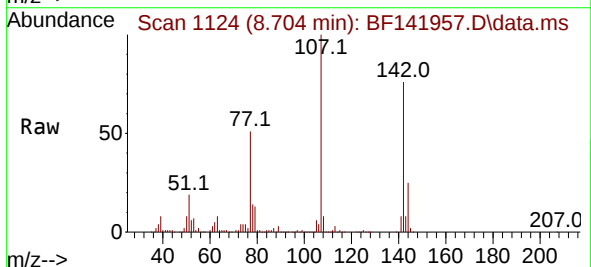
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167113BS

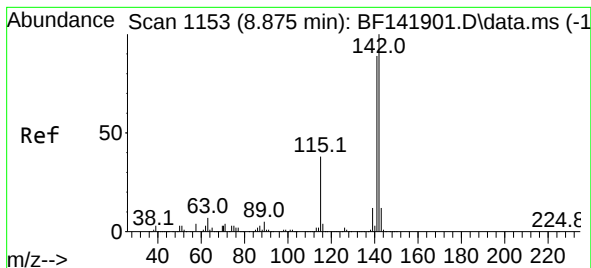
Tgt Ion:113 Resp: 133090  
 Ion Ratio Lower Upper  
 113 100  
 55 142.6 129.6 169.6  
 56 117.7 104.0 144.0



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.963 ng  
 RT: 8.704 min Scan# 1124  
 Delta R.T. 0.000 min  
 Lab File: BF141957.D  
 Acq: 14 Mar 2025 11:09

Tgt Ion:107 Resp: 451341  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 19.0 28.6  
 142 75.8 59.2 88.8

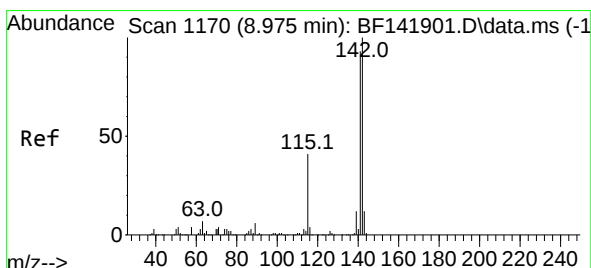
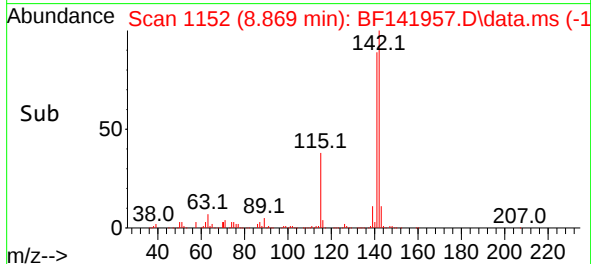
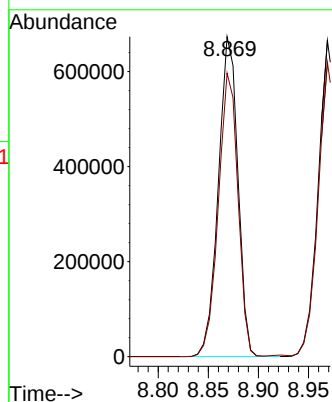
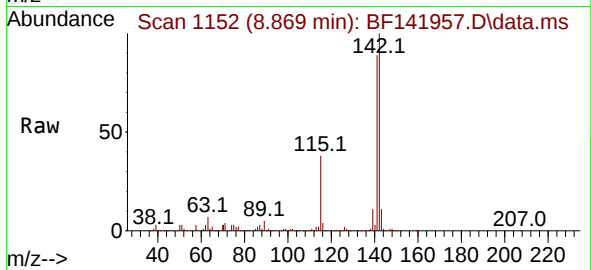




#37  
2-Methylnaphthalene  
Concen: 43.750 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

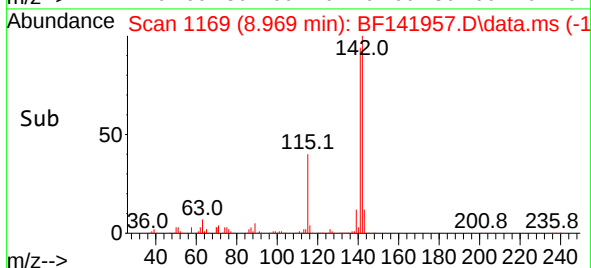
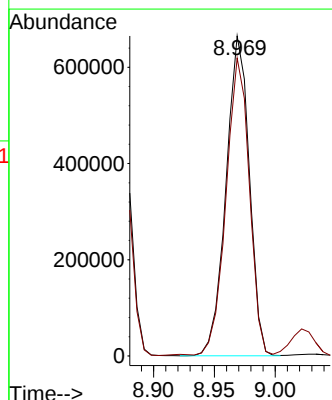
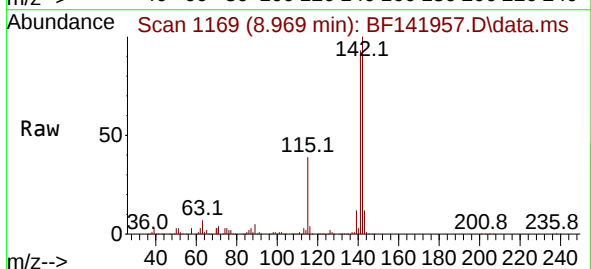
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

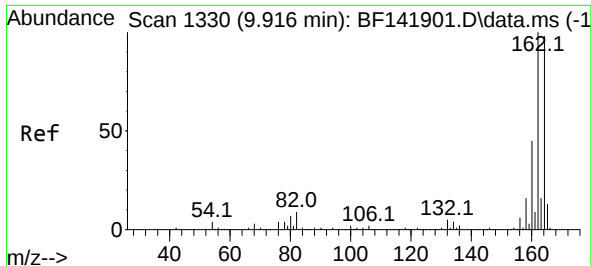
Tgt Ion:142 Resp: 912231  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.2 106.8



#38  
1-Methylnaphthalene  
Concen: 43.948 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:142 Resp: 884264  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.2 111.4

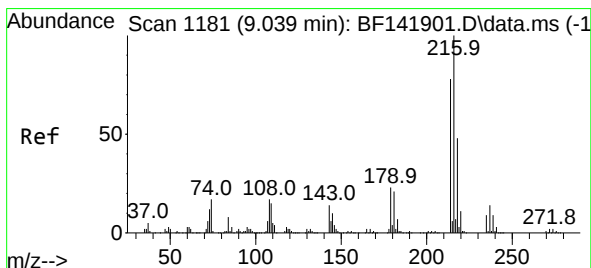
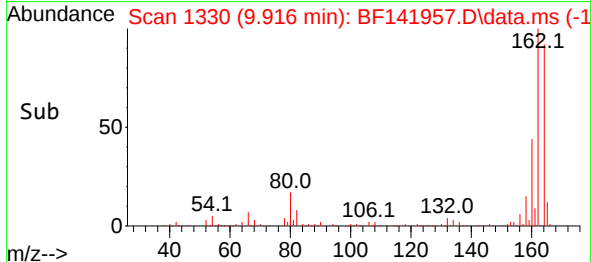
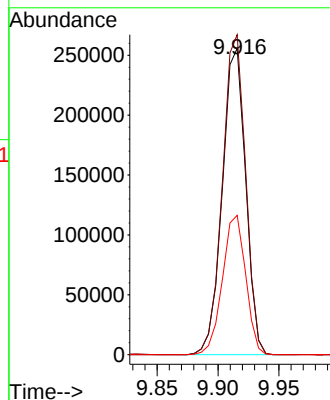
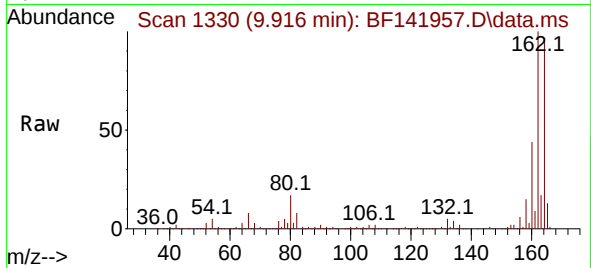




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

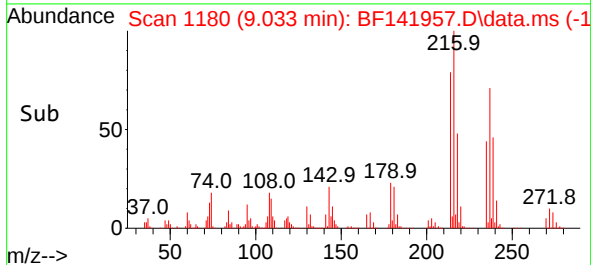
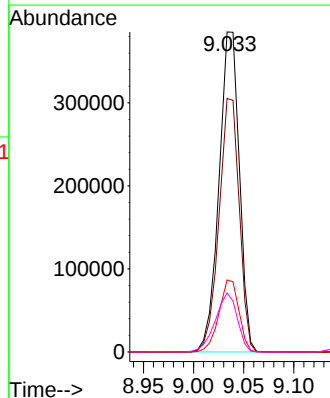
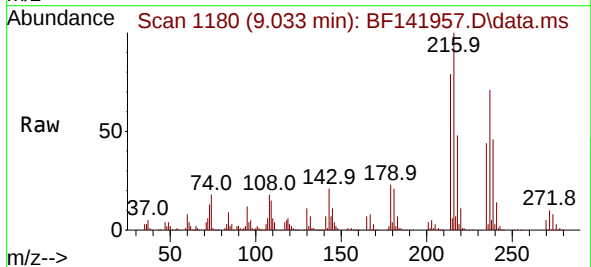
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

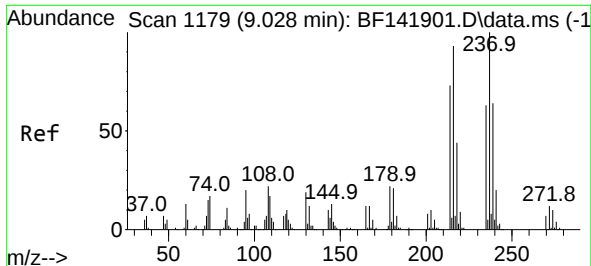
Tgt Ion:164 Resp: 341067  
Ion Ratio Lower Upper  
164 100  
162 104.4 81.8 122.6  
160 45.5 36.7 55.1



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 52.324 ng  
RT: 9.033 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

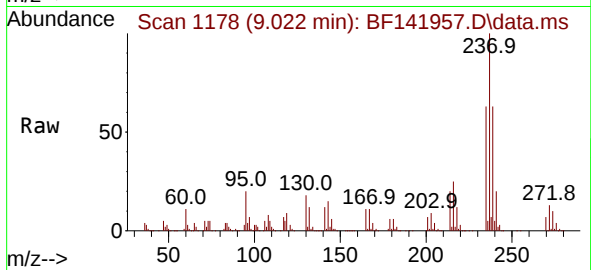
Tgt Ion:216 Resp: 543343  
Ion Ratio Lower Upper  
216 100  
214 78.8 61.9 92.9  
179 22.1 18.1 27.1  
108 19.9 14.7 22.1



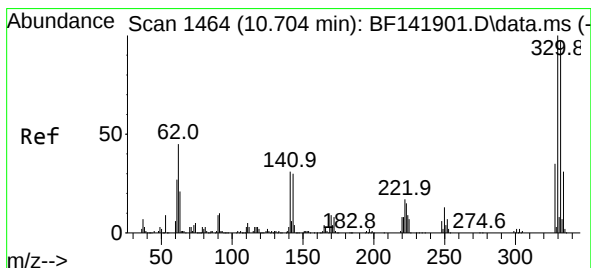
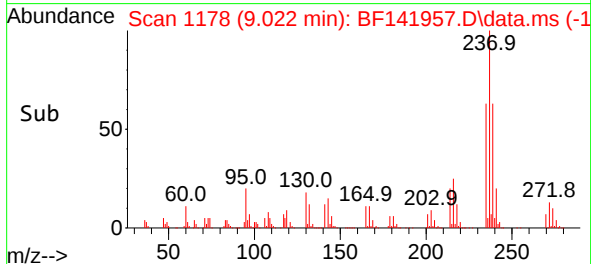
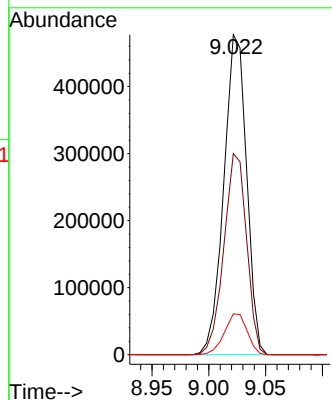


#41  
Hexachlorocyclopentadiene  
Concen: 163.944 ng  
RT: 9.022 min Scan# 1179  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

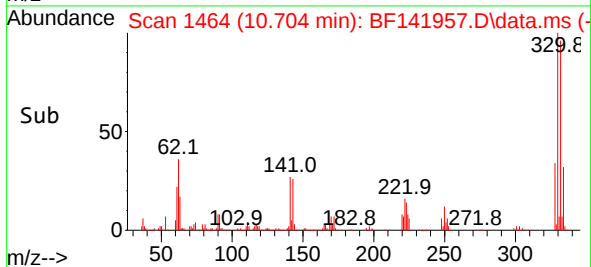
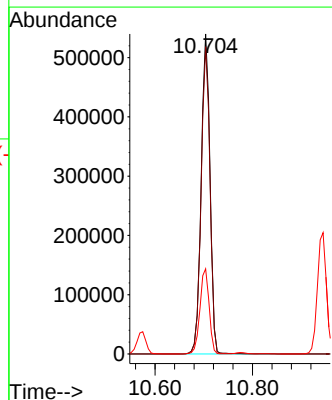
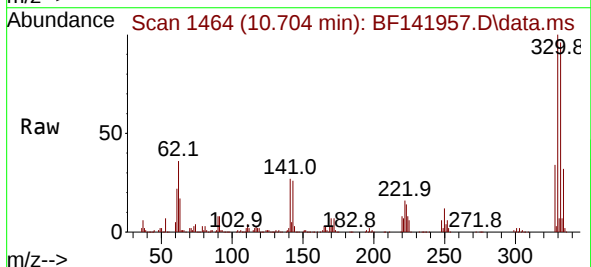


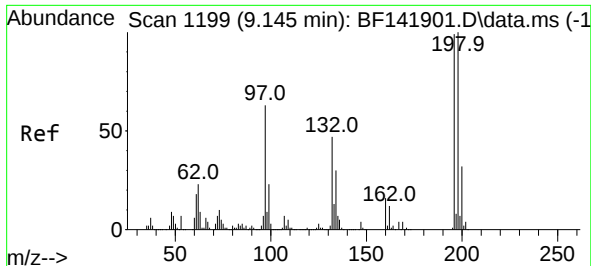
Tgt Ion:237 Resp: 666256  
Ion Ratio Lower Upper  
237 100  
235 62.9 43.1 83.1  
272 12.7 0.0 32.0



#42  
2,4,6-Tribromophenol  
Concen: 157.293 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:330 Resp: 680590  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.6 116.4  
141 27.8 24.7 37.1

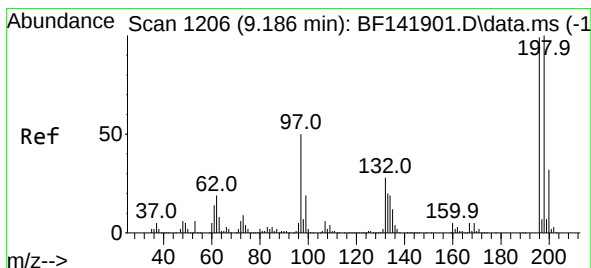
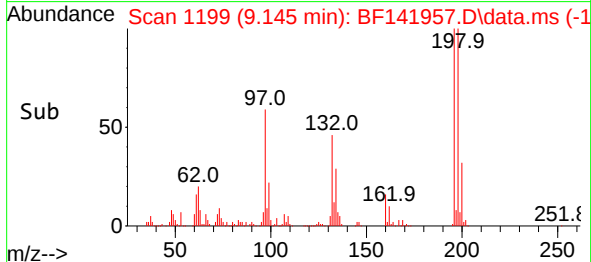
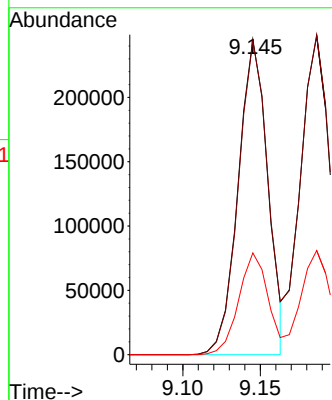
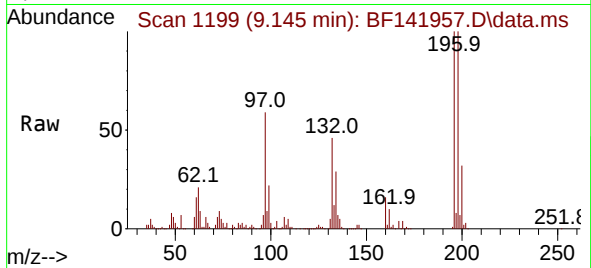




#43  
2,4,6-Trichlorophenol  
Concen: 47.919 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

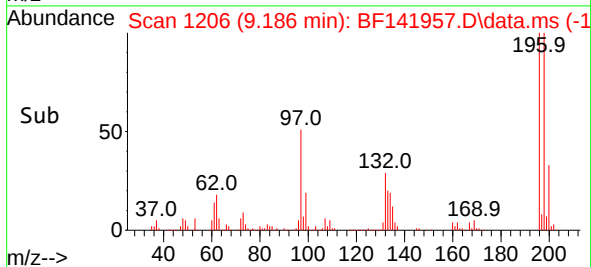
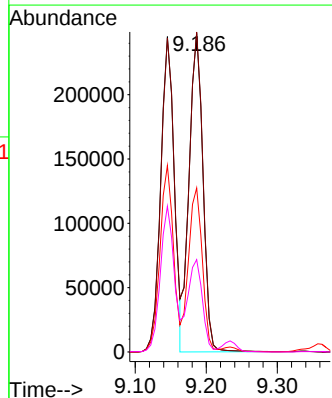
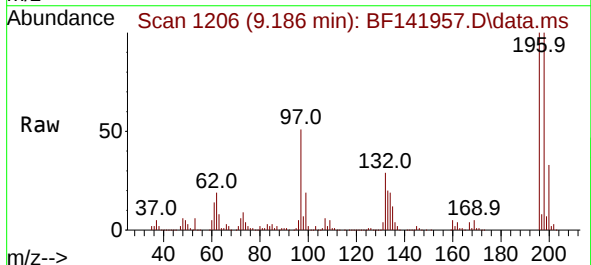
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

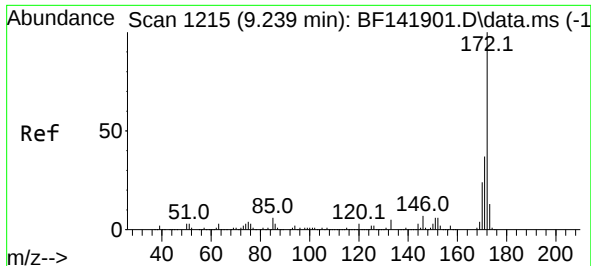
Tgt Ion:196 Resp: 325197  
Ion Ratio Lower Upper  
196 100  
198 99.5 80.6 121.0  
200 32.3 25.8 38.6



#44  
2,4,5-Trichlorophenol  
Concen: 48.474 ng  
RT: 9.186 min Scan# 1206  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:196 Resp: 333178  
Ion Ratio Lower Upper  
196 100  
198 100.4 80.7 121.1  
97 51.5 42.1 63.1  
132 29.0 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 99.734 ng

RT: 9.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

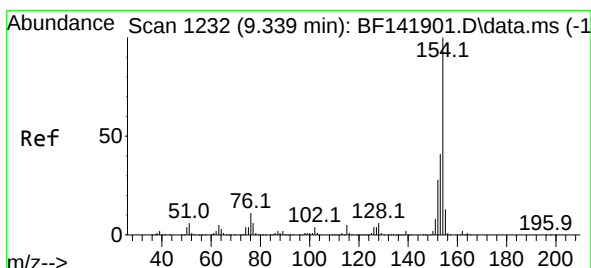
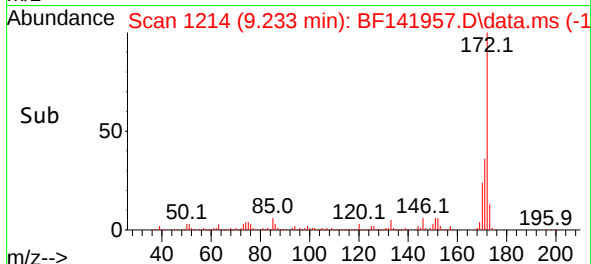
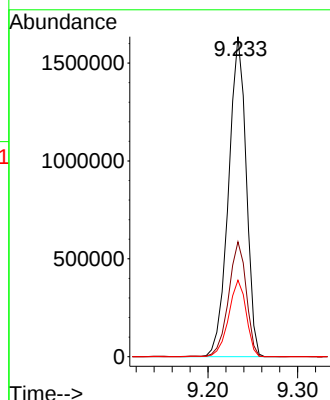
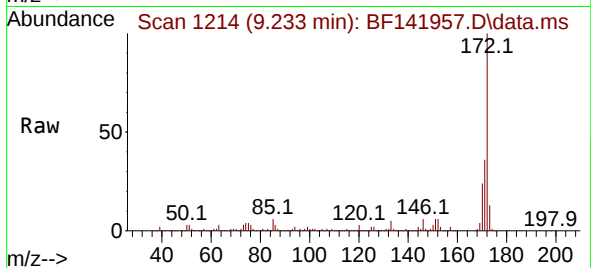
Tgt Ion:172 Resp: 2236708

Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.9 19.4 29.0



#46

1,1'-Biphenyl

Concen: 51.319 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

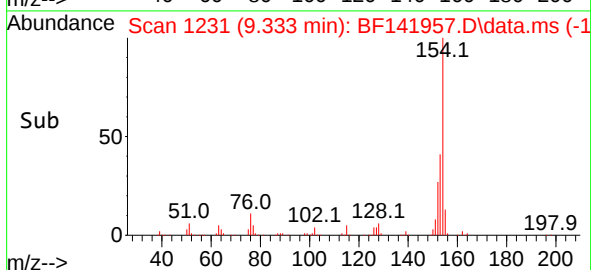
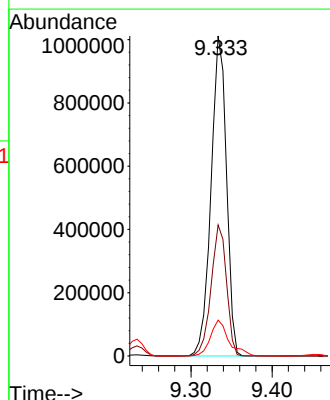
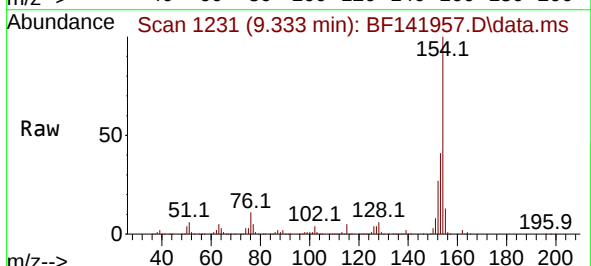
Tgt Ion:154 Resp: 1329930

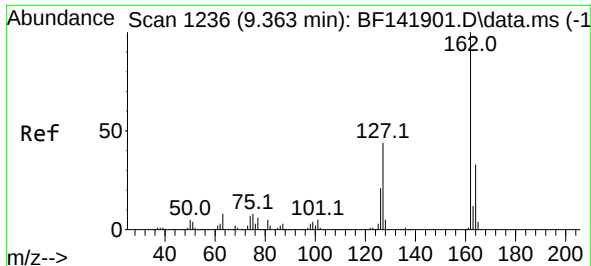
Ion Ratio Lower Upper

154 100

153 40.9 21.1 61.1

76 11.2 0.0 31.3

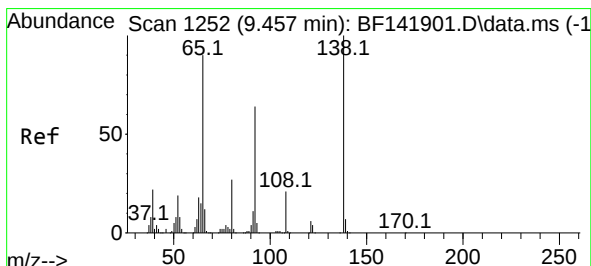
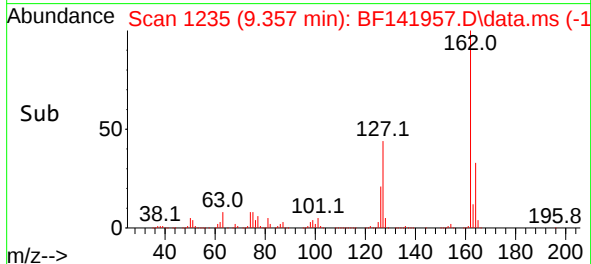
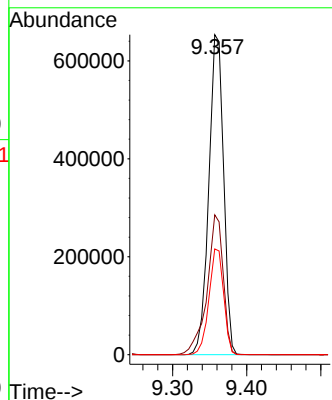
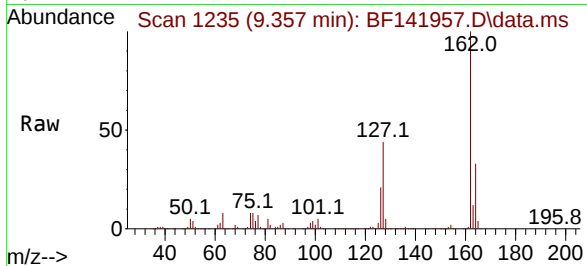




#47  
2-Chloronaphthalene  
Concen: 46.898 ng  
RT: 9.357 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

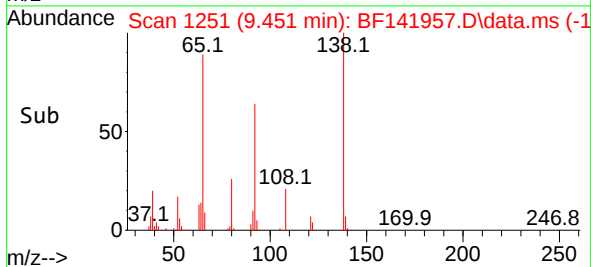
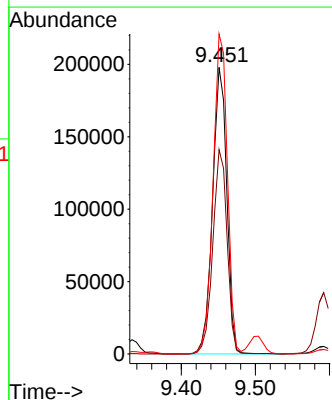
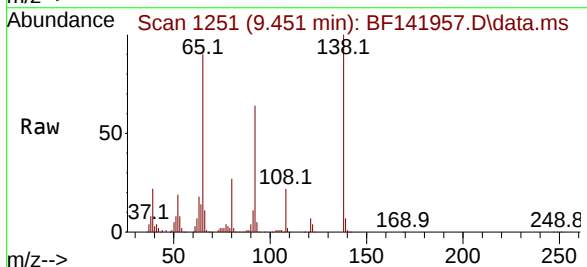
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion:162 Resp: 905854  
Ion Ratio Lower Upper  
162 100  
127 43.7 35.5 53.3  
164 33.0 26.6 40.0



#48  
2-Nitroaniline  
Concen: 47.153 ng  
RT: 9.451 min Scan# 1251  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion: 65 Resp: 263709  
Ion Ratio Lower Upper  
65 100  
92 71.3 56.6 84.8  
138 111.6 88.6 133.0

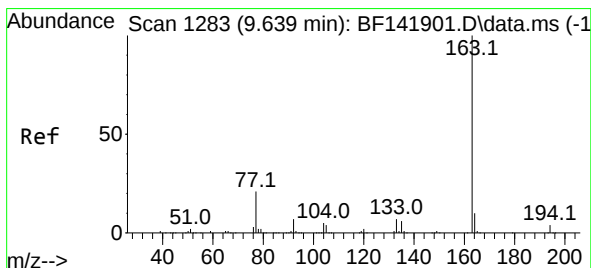
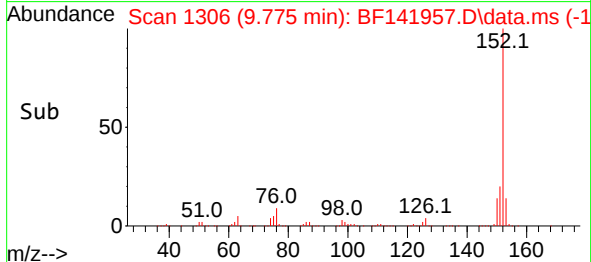
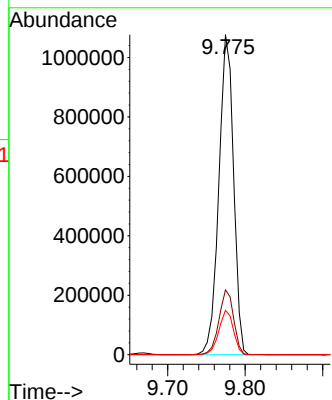
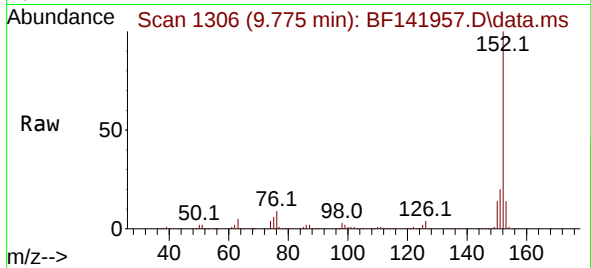




#49  
Acenaphthylene  
Concen: 49.500 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

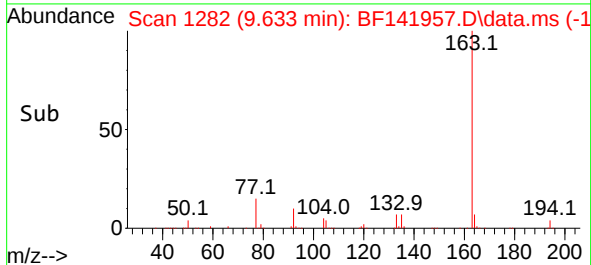
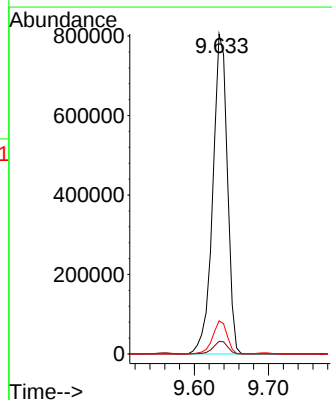
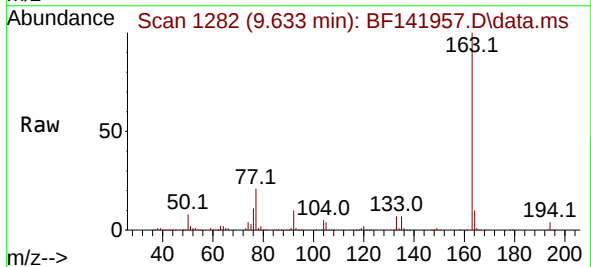
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

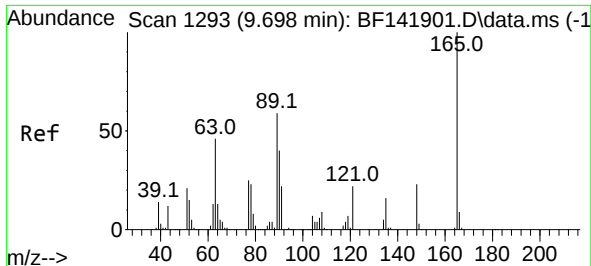
Tgt Ion:152 Resp: 1418834  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.3 24.5  
153 13.9 11.1 16.7



#50  
Dimethylphthalate  
Concen: 45.963 ng  
RT: 9.633 min Scan# 1282  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:163 Resp: 1097787  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.4 8.2 12.4

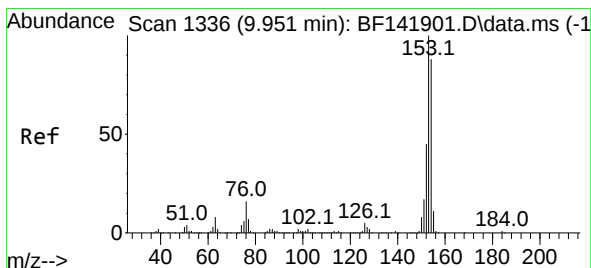
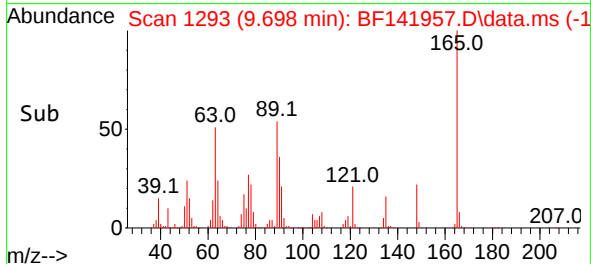
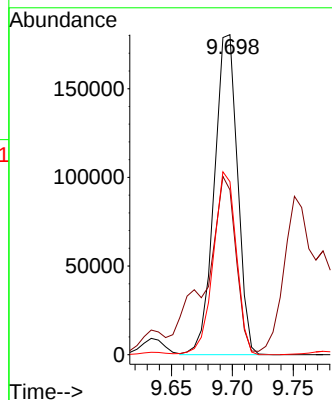
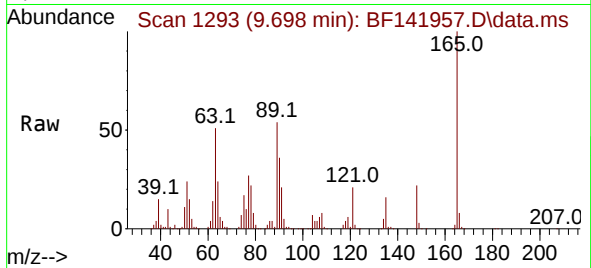




#51  
2,6-Dinitrotoluene  
Concen: 48.211 ng  
RT: 9.698 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

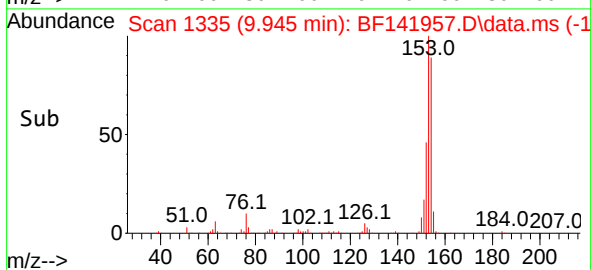
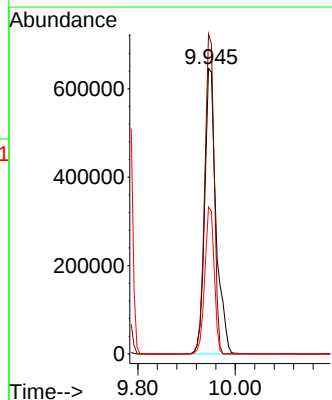
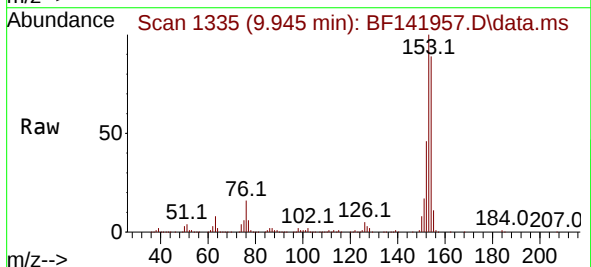
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

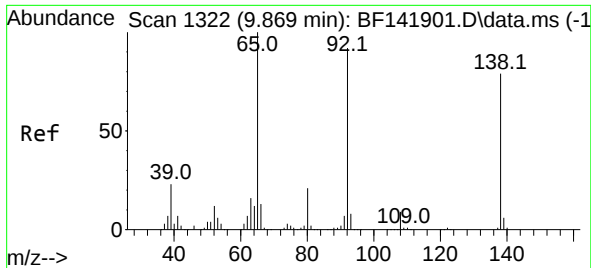
Tgt Ion:165 Resp: 239750  
Ion Ratio Lower Upper  
165 100  
63 51.5 47.0 70.4  
89 54.1 47.4 71.2



#52  
Acenaphthene  
Concen: 52.008 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:154 Resp: 1047621  
Ion Ratio Lower Upper  
154 100  
153 112.1 90.7 136.1  
152 51.5 41.1 61.7

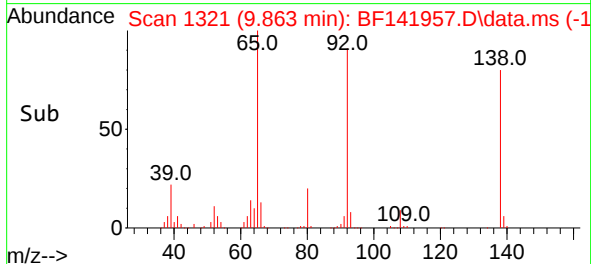
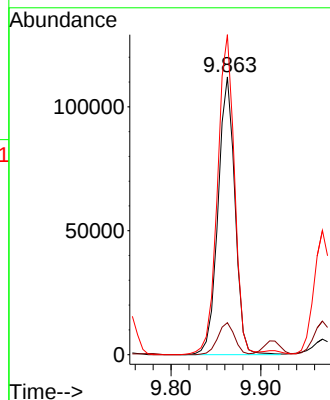
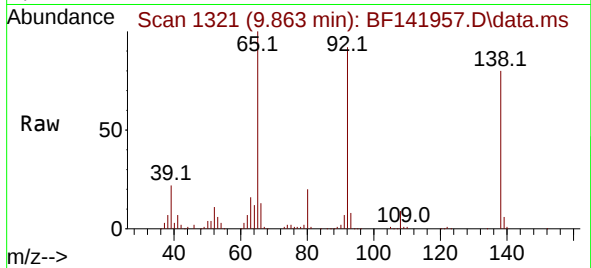




#53  
3-Nitroaniline  
Concen: 29.020 ng  
RT: 9.863 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

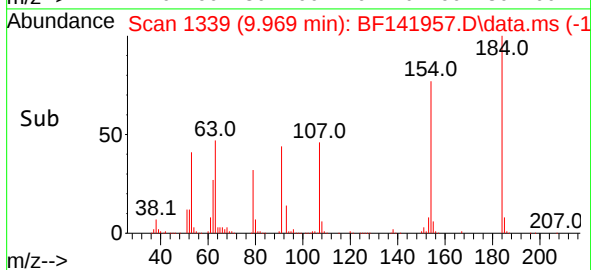
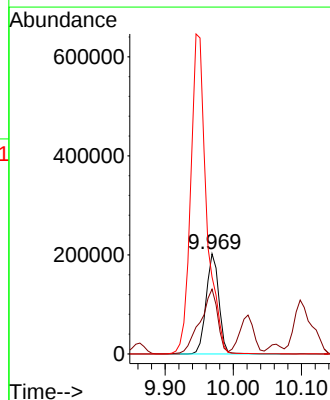
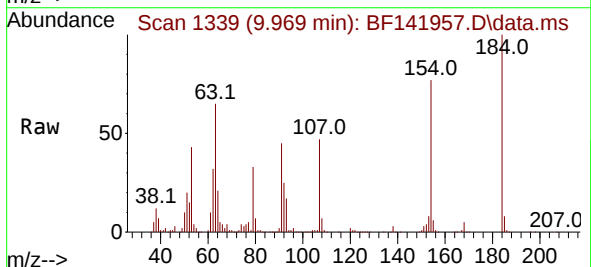
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

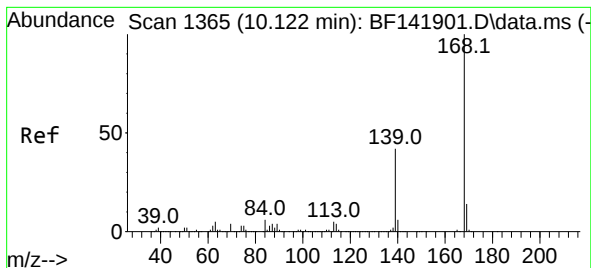
Tgt Ion:138 Resp: 146388  
Ion Ratio Lower Upper  
138 100  
108 11.5 9.3 13.9  
92 115.2 93.5 140.3



#54  
2,4-Dinitrophenol  
Concen: 92.217 ng  
RT: 9.969 min Scan# 1339  
Delta R.T. -0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:184 Resp: 263648  
Ion Ratio Lower Upper  
184 100  
63 64.6 60.2 90.4  
154 76.8 132.9 199.3#





#55

Dibenzenofuran

Concen: 44.826 ng

RT: 10.122 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

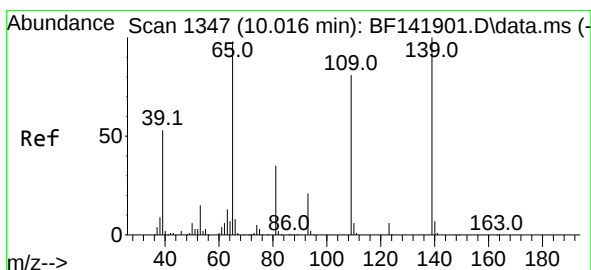
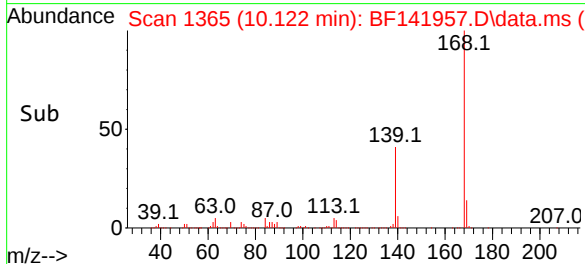
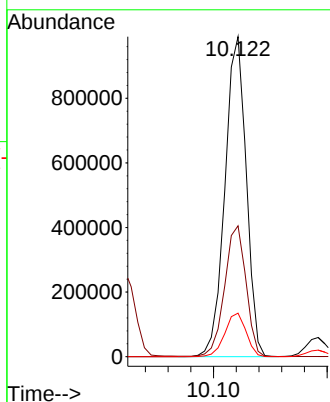
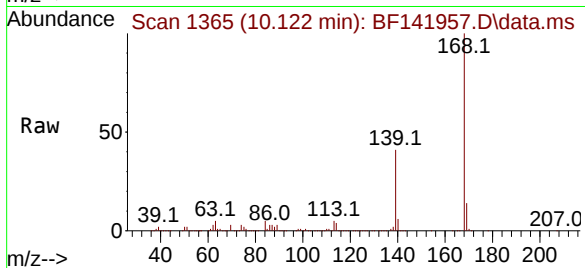
Tgt Ion:168 Resp: 1290216

Ion Ratio Lower Upper

168 100

139 40.9 33.9 50.9

169 13.6 11.0 16.4



#56

4-Nitrophenol

Concen: 101.973 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

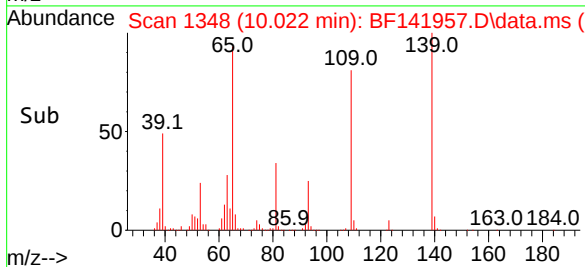
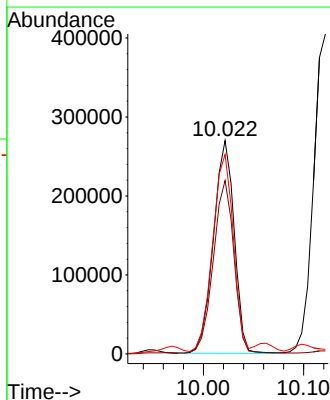
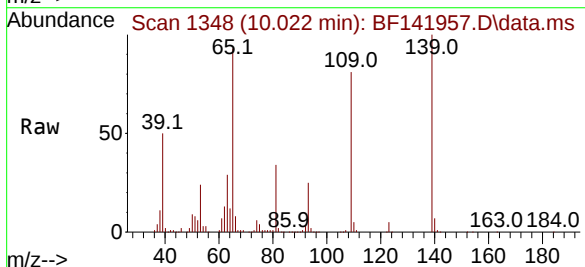
Tgt Ion:139 Resp: 387913

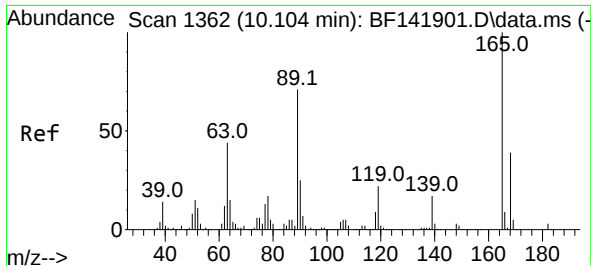
Ion Ratio Lower Upper

139 100

109 81.2 61.6 101.6

65 93.5 79.4 119.4

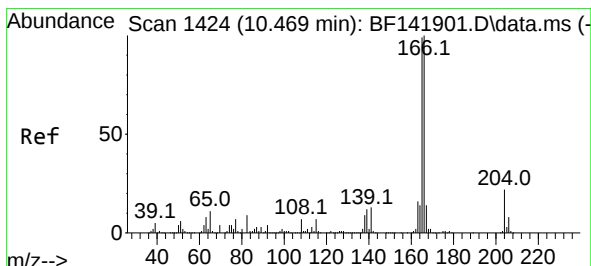
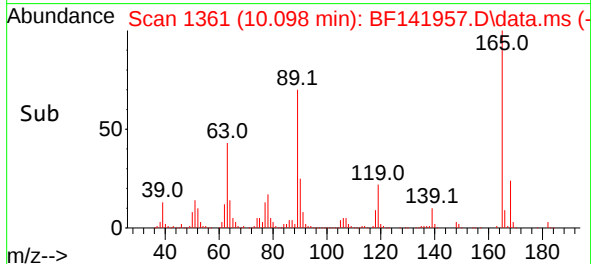
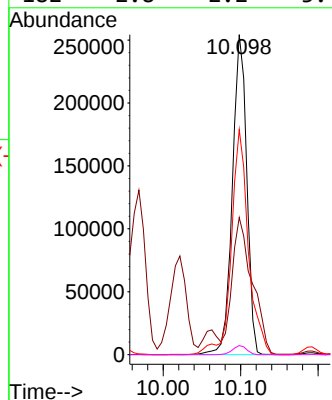
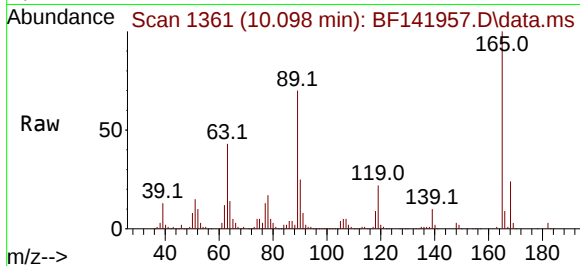




#57  
2,4-Dinitrotoluene  
Concen: 50.631 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

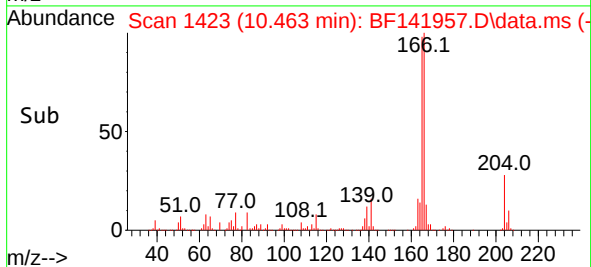
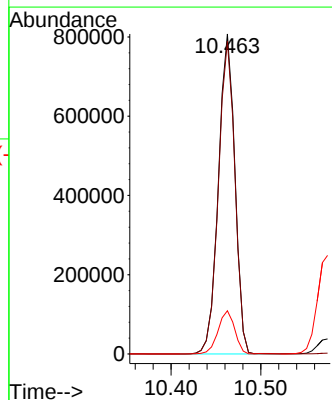
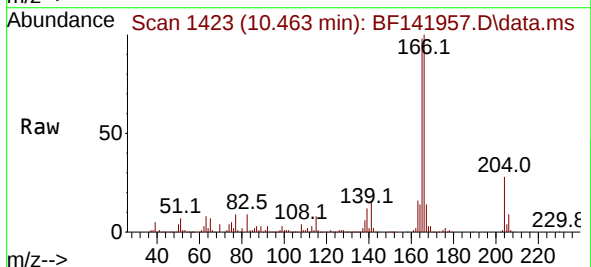
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

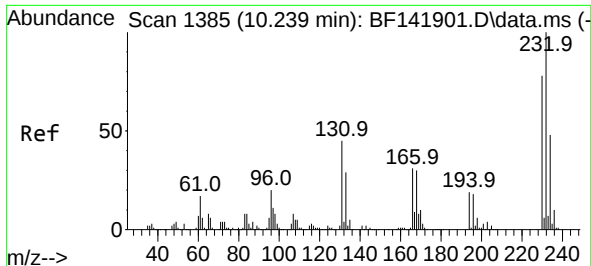
Tgt Ion:165 Resp: 328855  
Ion Ratio Lower Upper  
165 100  
63 42.9 35.4 53.2  
89 70.3 56.6 84.8  
182 2.8 2.2 3.4



#58  
Fluorene  
Concen: 46.362 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:166 Resp: 1029067  
Ion Ratio Lower Upper  
166 100  
165 97.7 79.0 118.4  
167 13.5 11.0 16.4

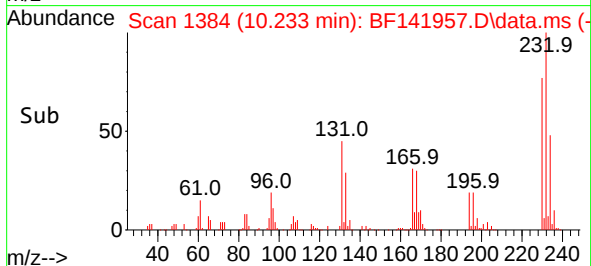
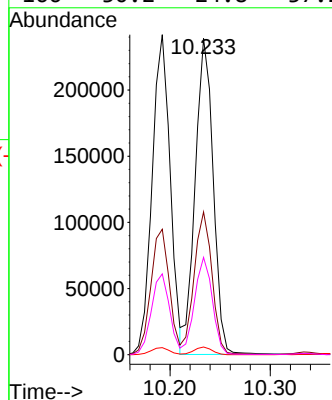
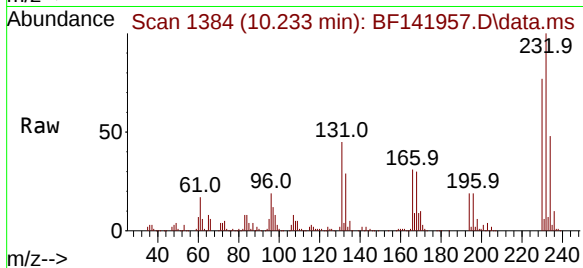




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.677 ng  
RT: 10.233 min Scan# 1384  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

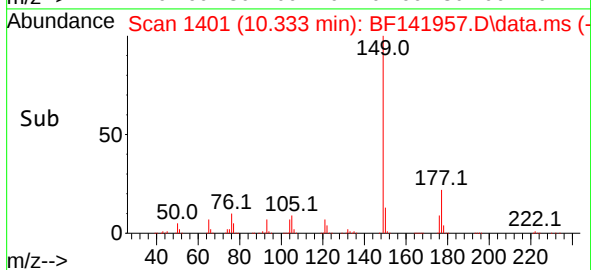
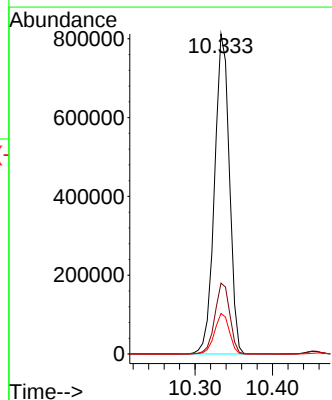
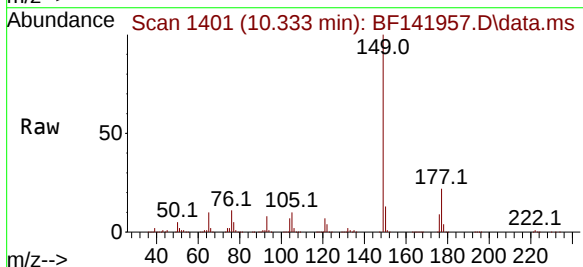
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

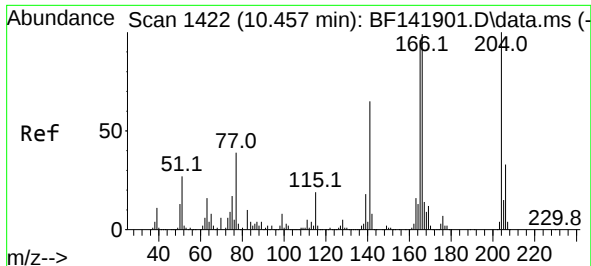
Tgt Ion:232 Resp: 298197  
Ion Ratio Lower Upper  
232 100  
131 44.8 37.3 55.9  
130 2.4 1.9 2.9  
166 30.2 24.8 37.2



#60  
Diethylphthalate  
Concen: 45.351 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:149 Resp: 1080043  
Ion Ratio Lower Upper  
149 100  
177 22.2 18.0 27.0  
150 12.7 10.2 15.4

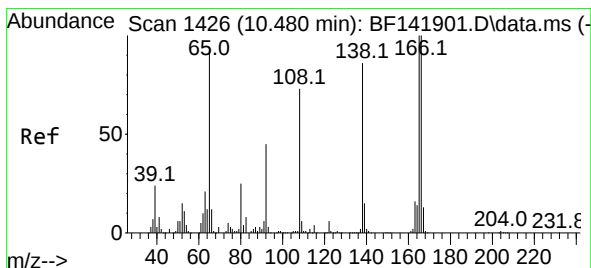
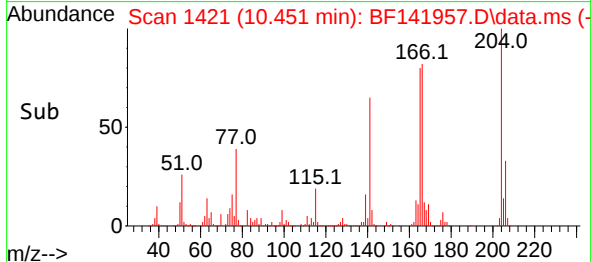
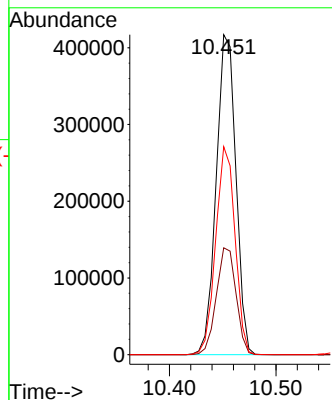
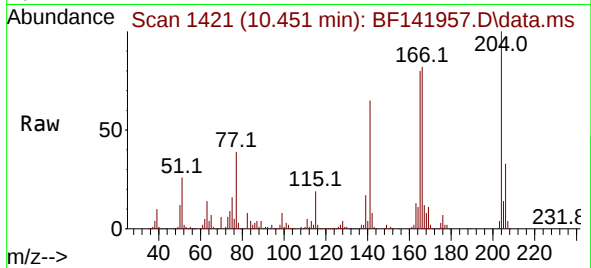




#61  
4-Chlorophenyl-phenylether  
Concen: 46.162 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

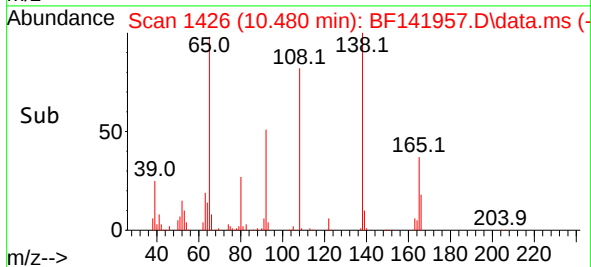
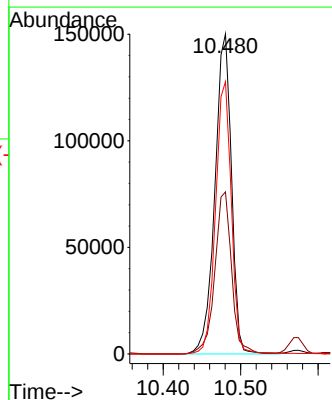
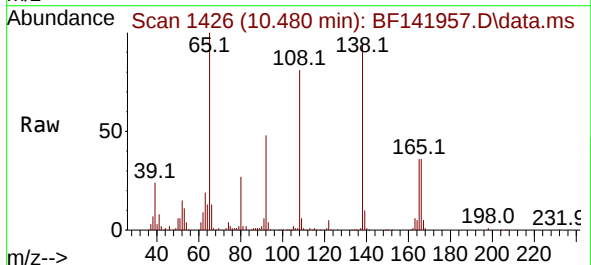
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

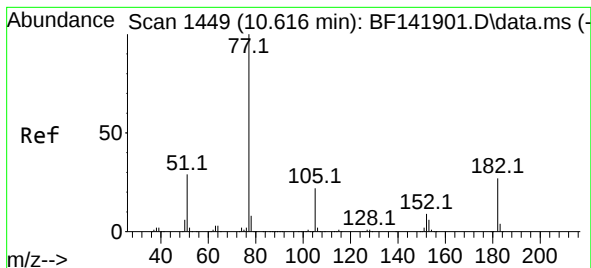
Tgt Ion:204 Resp: 534185  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.8 40.2  
141 65.0 52.4 78.6



#62  
4-Nitroaniline  
Concen: 45.431 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:138 Resp: 223110  
Ion Ratio Lower Upper  
138 100  
92 50.6 32.6 72.6  
108 85.1 65.0 105.0





#63

Azobenzene

Concen: 43.522 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

Tgt Ion: 77 Resp: 963645

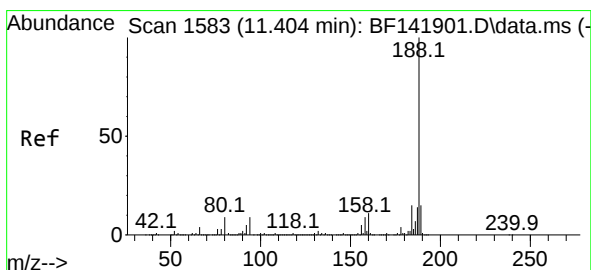
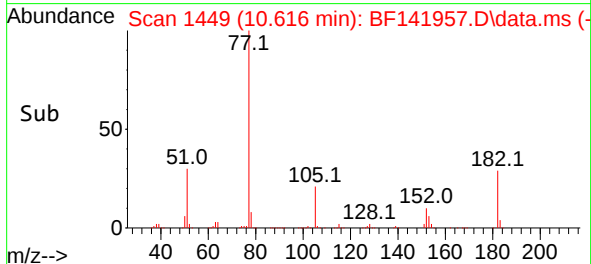
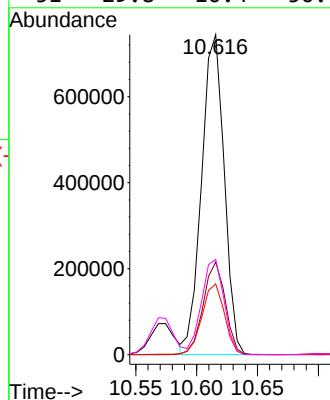
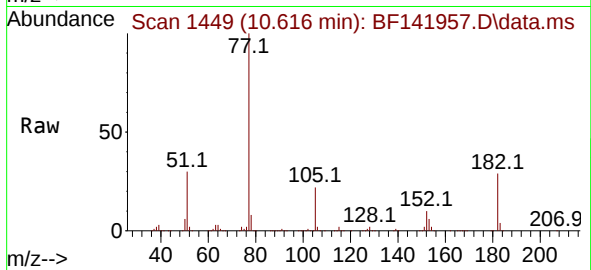
Ion Ratio Lower Upper

77 100

182 29.0 6.6 46.6

105 22.1 1.3 41.3

51 29.8 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

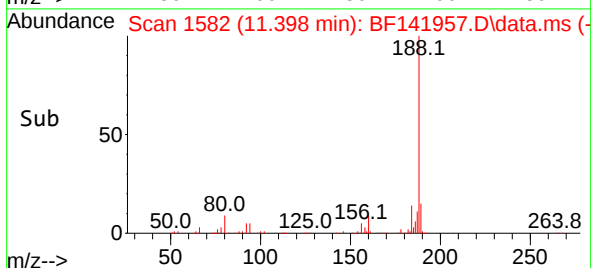
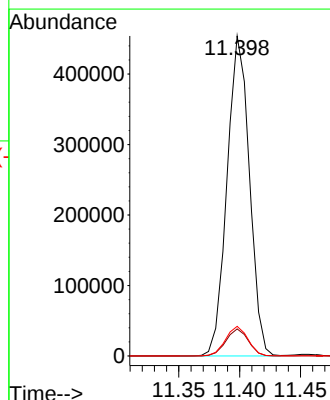
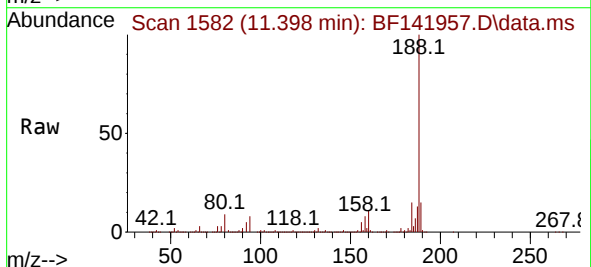
Tgt Ion: 188 Resp: 581893

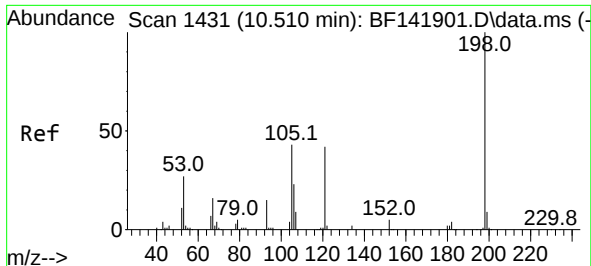
Ion Ratio Lower Upper

188 100

94 8.4 6.8 10.2

80 9.2 7.6 11.4

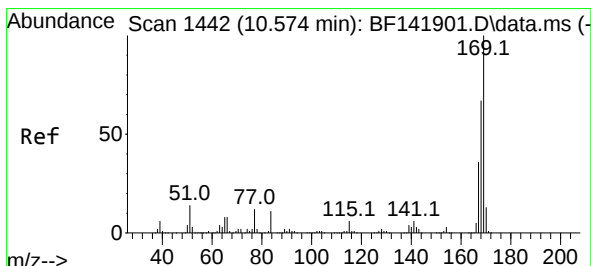
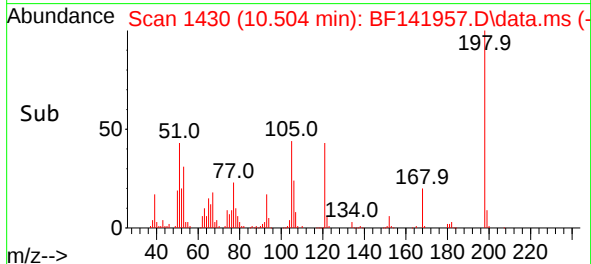
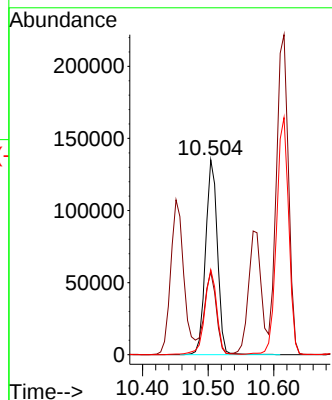
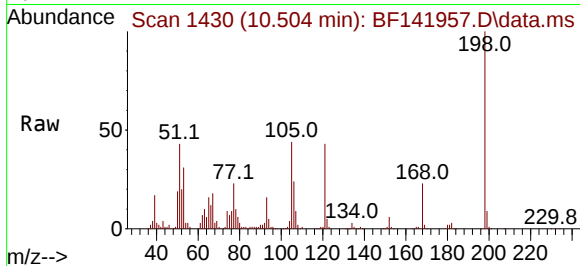




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.999 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

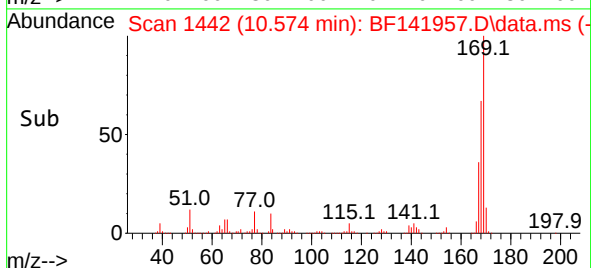
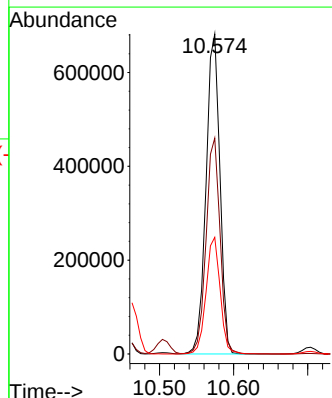
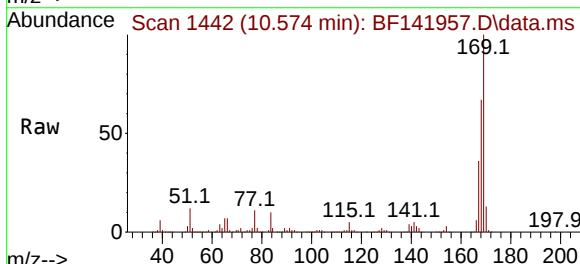
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion:198 Resp: 169975  
Ion Ratio Lower Upper  
198 100  
51 42.5 22.3 62.3  
105 43.6 23.0 63.0



#66  
n-Nitrosodiphenylamine  
Concen: 47.006 ng  
RT: 10.574 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:169 Resp: 885145  
Ion Ratio Lower Upper  
169 100  
168 67.4 53.7 80.5  
167 36.5 29.2 43.8

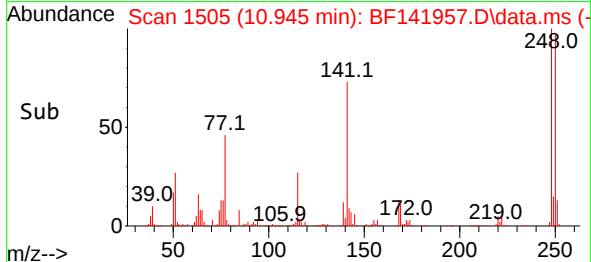
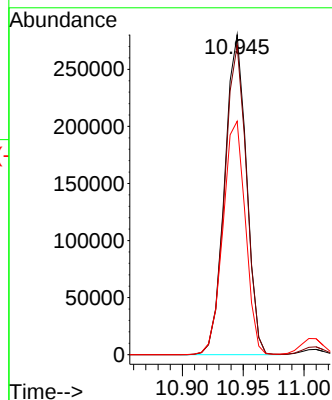
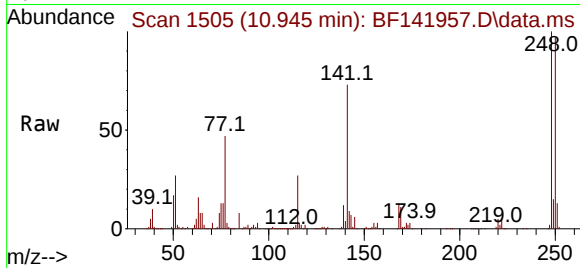




#67  
4-Bromophenyl-phenylether  
Concen: 47.861 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

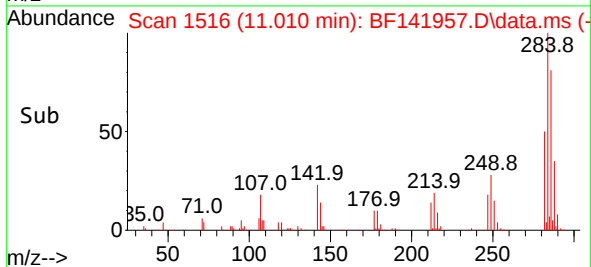
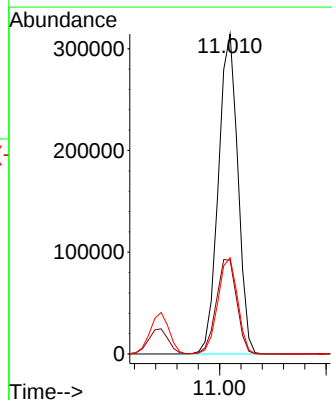
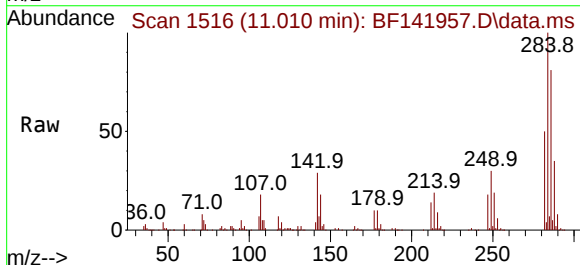
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

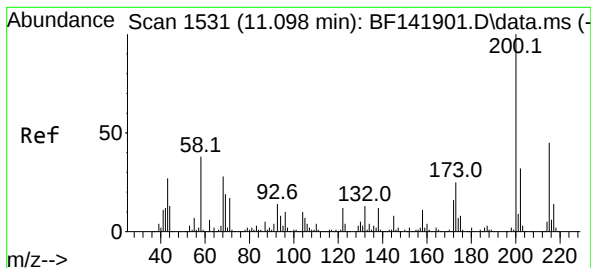
Tgt Ion:248 Resp: 349762  
Ion Ratio Lower Upper  
248 100  
250 96.6 77.8 116.8  
141 73.0 62.6 93.8



#68  
Hexachlorobenzene  
Concen: 49.720 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:284 Resp: 398512  
Ion Ratio Lower Upper  
284 100  
142 29.3 27.0 40.6  
249 30.0 25.2 37.8





#69

Atrazine

Concen: 61.607 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

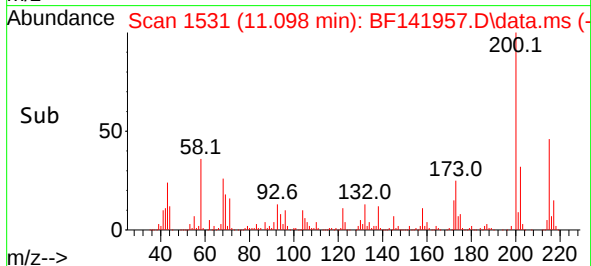
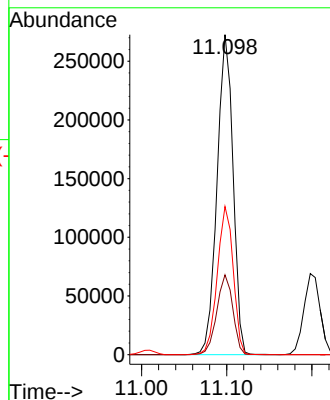
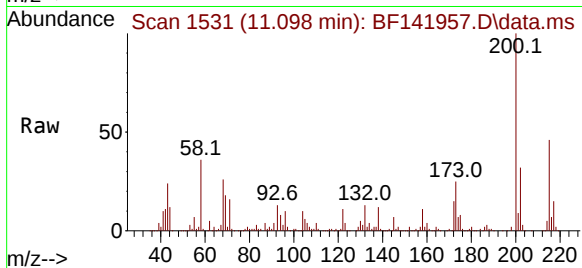
Tgt Ion:200 Resp: 355635

Ion Ratio Lower Upper

200 100

173 24.9 4.7 44.7

215 46.3 25.4 65.4



#70

Pentachlorophenol

Concen: 97.808 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

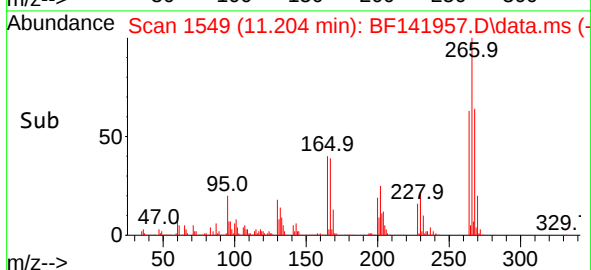
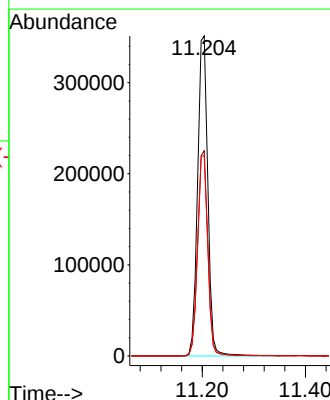
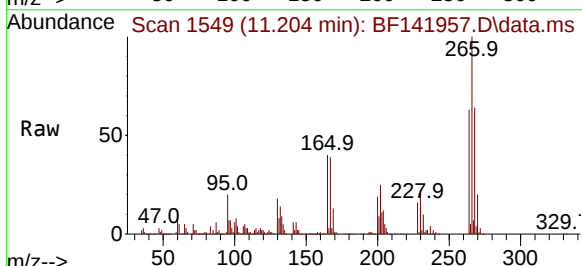
Tgt Ion:266 Resp: 483008

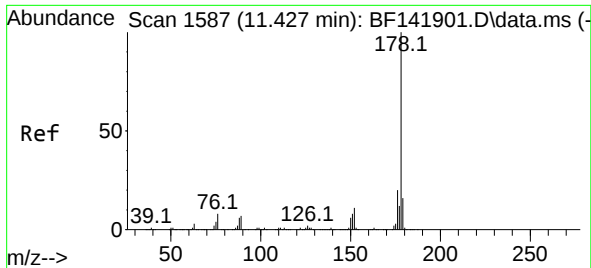
Ion Ratio Lower Upper

266 100

268 64.1 51.0 76.6

264 62.7 50.2 75.2

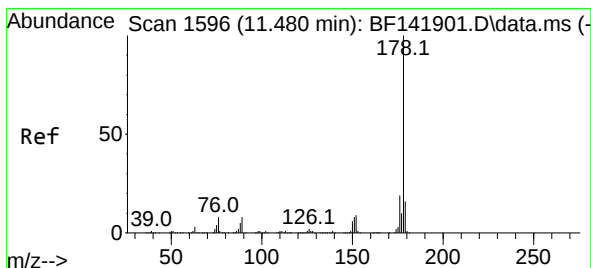
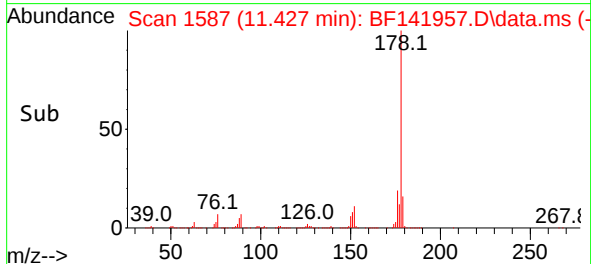
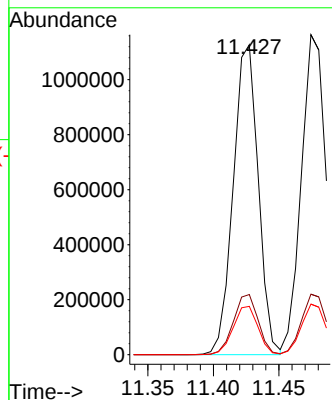
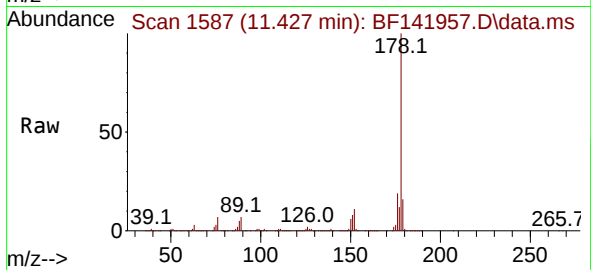




#71  
Phenanthrene  
Concen: 47.630 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

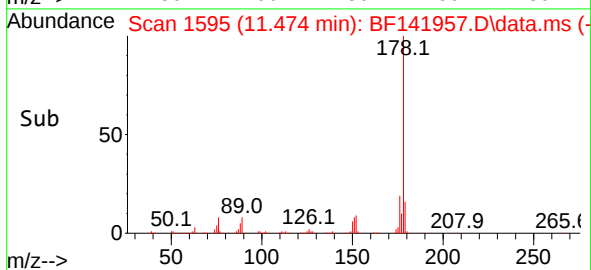
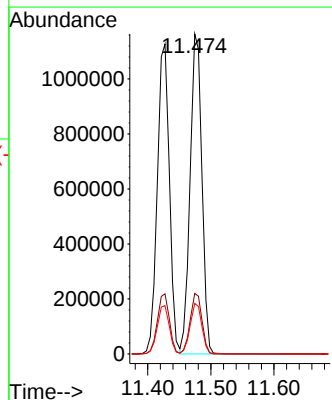
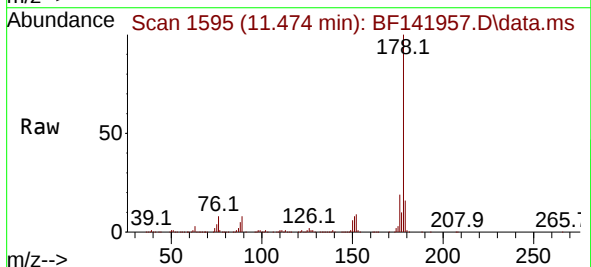
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

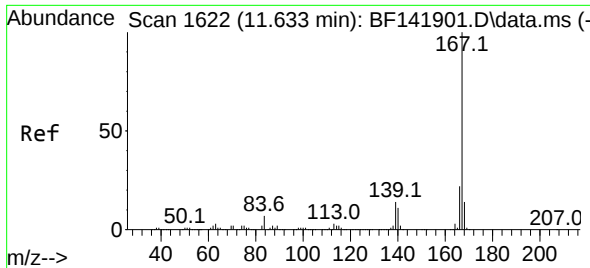
Tgt Ion:178 Resp: 1497004  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.8  
179 15.6 12.6 19.0



#72  
Anthracene  
Concen: 48.066 ng  
RT: 11.474 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:178 Resp: 1515643  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.1 22.7  
179 15.8 12.6 19.0

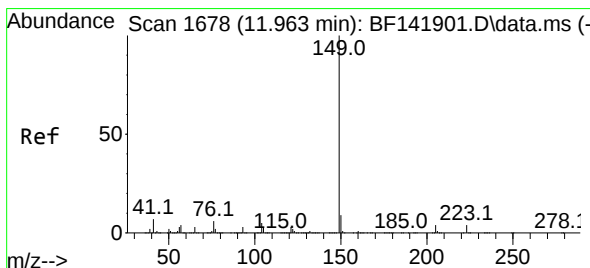
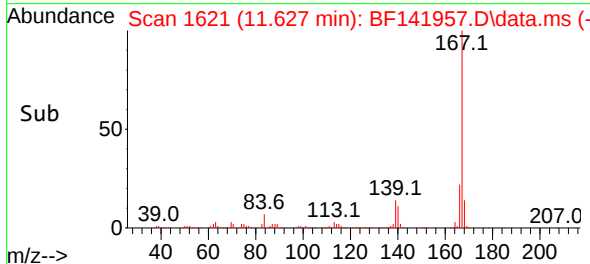
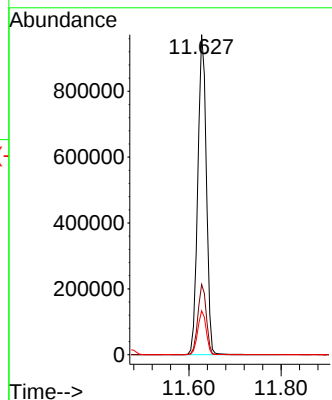
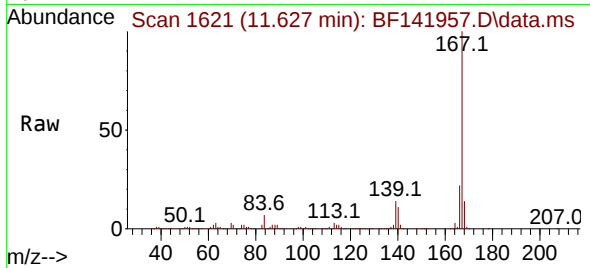




#73  
 Carbazole  
 Concen: 45.853 ng  
 RT: 11.627 min Scan# 1621  
 Delta R.T. -0.006 min  
 Lab File: BF141957.D  
 Acq: 14 Mar 2025 11:09

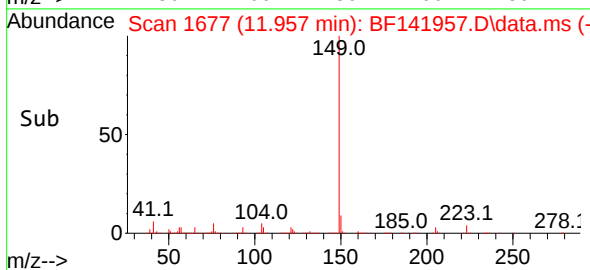
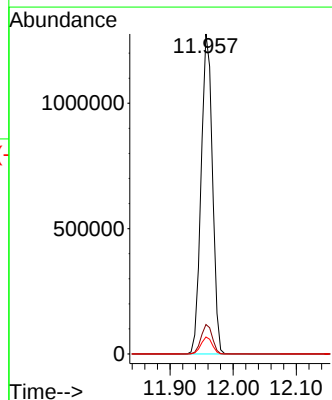
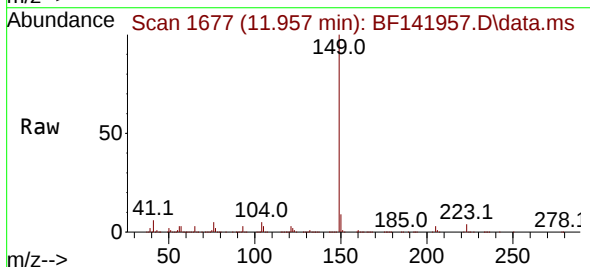
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167113BS

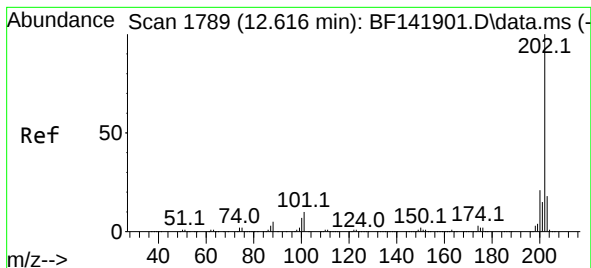
Tgt Ion:167 Resp: 1246916  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.2  
 139 13.7 11.0 16.6



#74  
 Di-n-butylphthalate  
 Concen: 43.992 ng  
 RT: 11.957 min Scan# 1677  
 Delta R.T. -0.006 min  
 Lab File: BF141957.D  
 Acq: 14 Mar 2025 11:09

Tgt Ion:149 Resp: 1587381  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.6 11.4  
 104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 43.529 ng

RT: 12.610 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

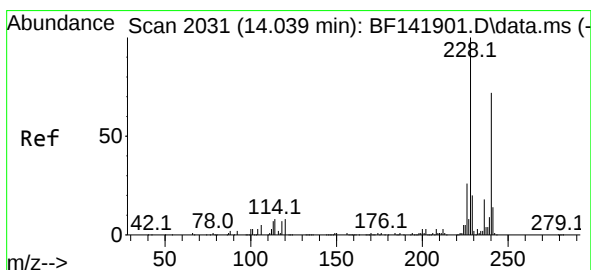
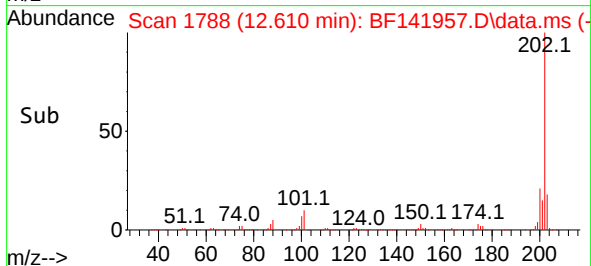
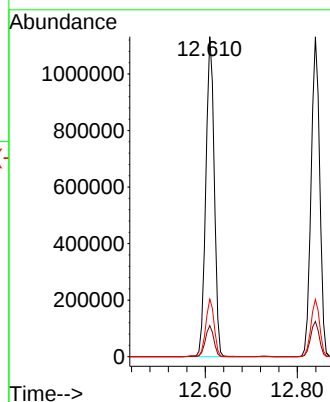
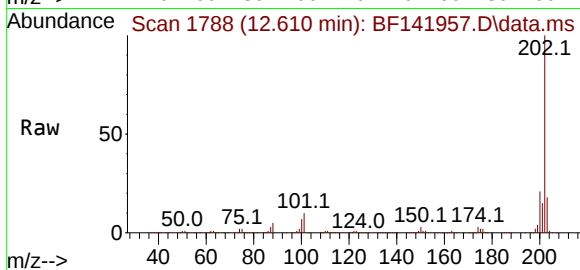
Tgt Ion:202 Resp: 1451241

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.7

203 17.9 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

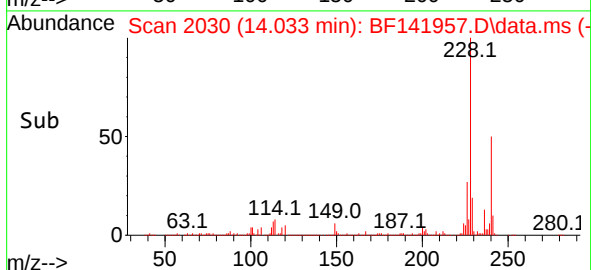
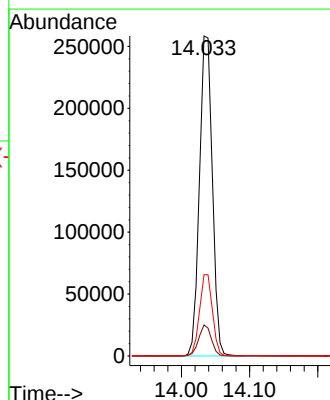
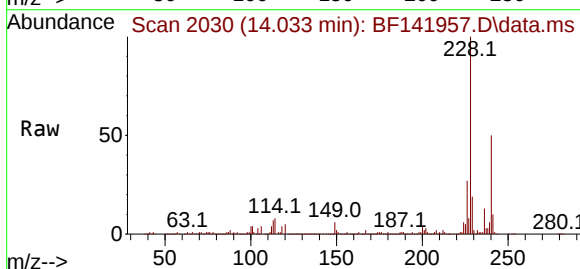
Tgt Ion:240 Resp: 340637

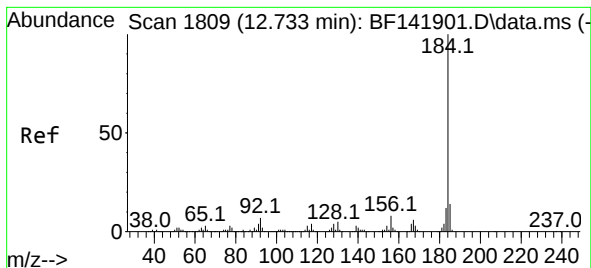
Ion Ratio Lower Upper

240 100

120 9.7 8.4 12.6

236 25.4 20.5 30.7





#77

Benzidine

Concen: 72.243 ng

RT: 12.727 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

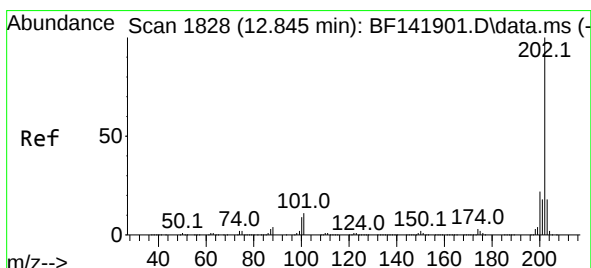
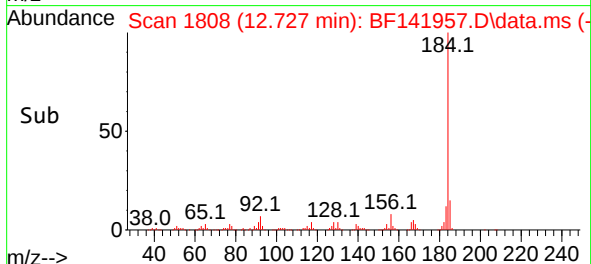
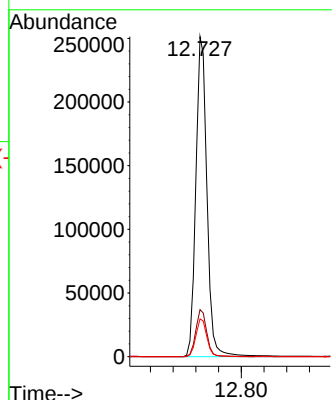
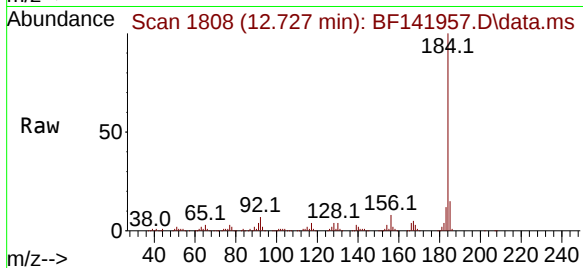
Tgt Ion:184 Resp: 343335

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.8 9.7 14.5



#78

Pyrene

Concen: 49.502 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

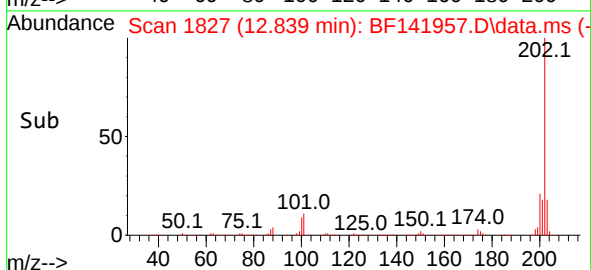
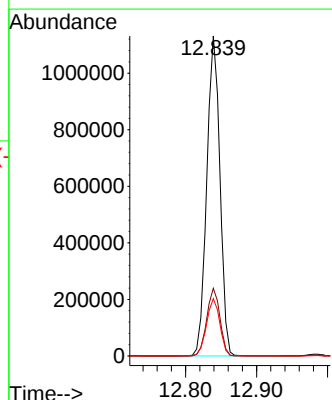
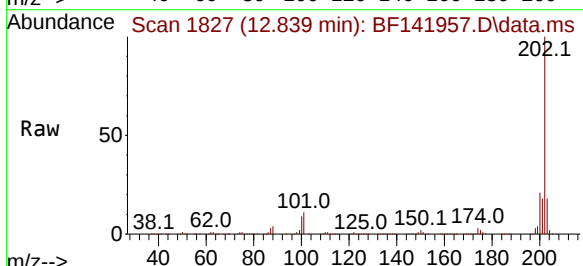
Tgt Ion:202 Resp: 1458597

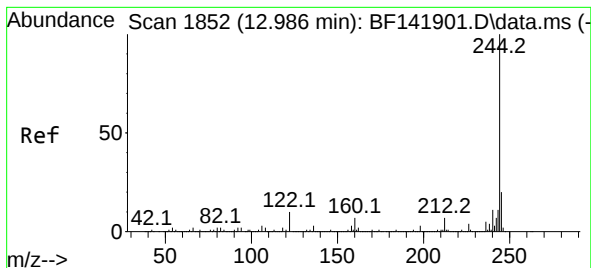
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 17.9 14.4 21.6





#79

Terphenyl-d14

Concen: 109.417 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

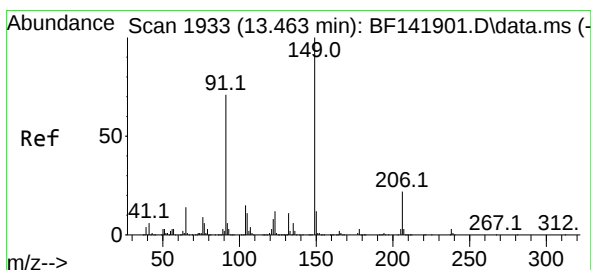
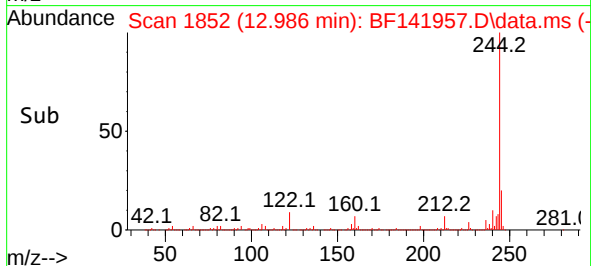
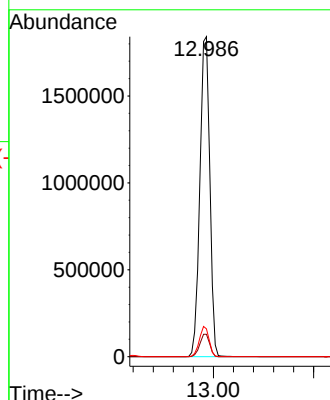
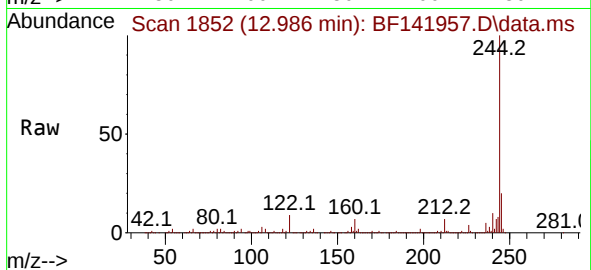
Tgt Ion:244 Resp: 2520980

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.7 7.7 11.5



#80

Butylbenzylphthalate

Concen: 43.534 ng

RT: 13.457 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

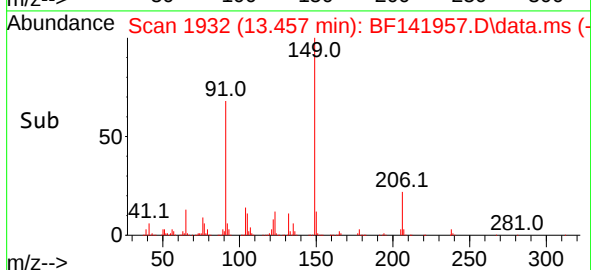
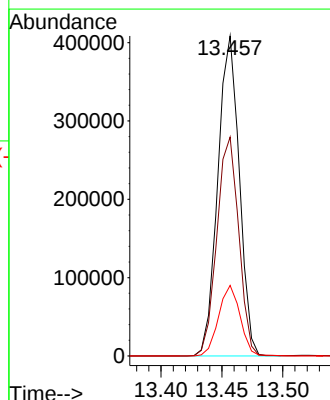
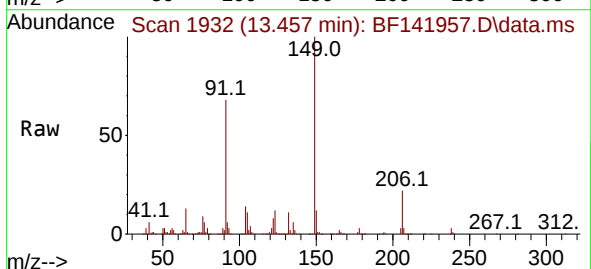
Tgt Ion:149 Resp: 502076

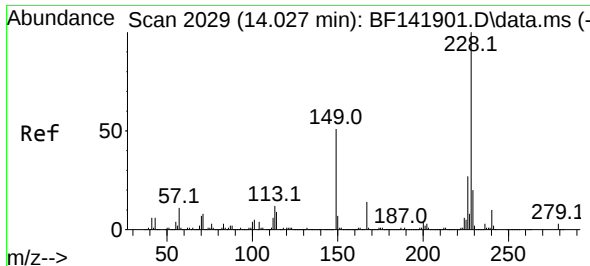
Ion Ratio Lower Upper

149 100

91 68.4 56.5 84.7

206 22.1 17.3 25.9

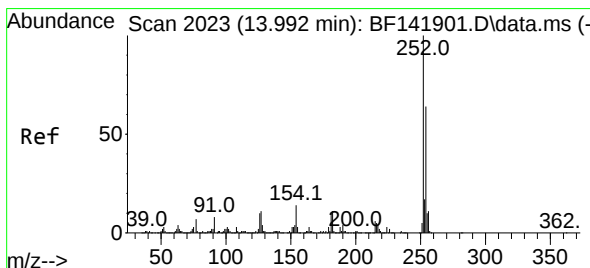
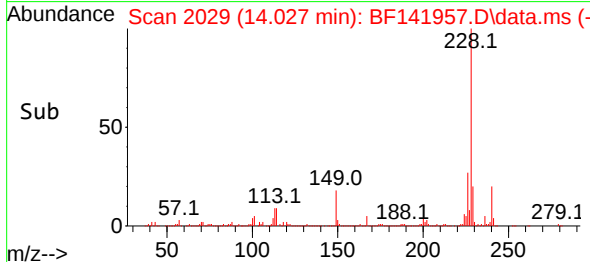
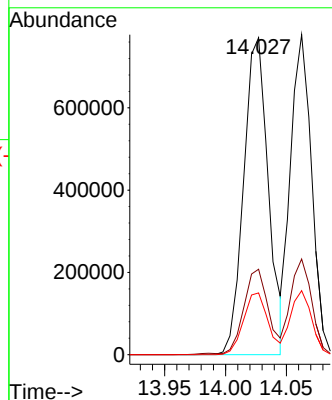
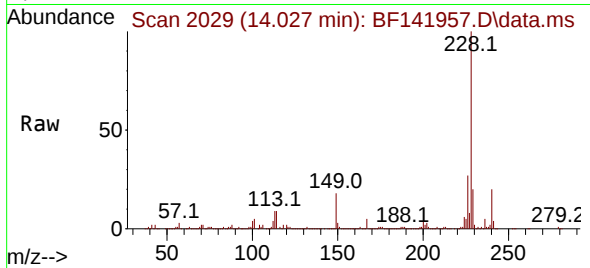




#81  
Benzo(a)anthracene  
Concen: 48.595 ng  
RT: 14.027 min Scan# 2029  
Delta R.T. 0.000 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

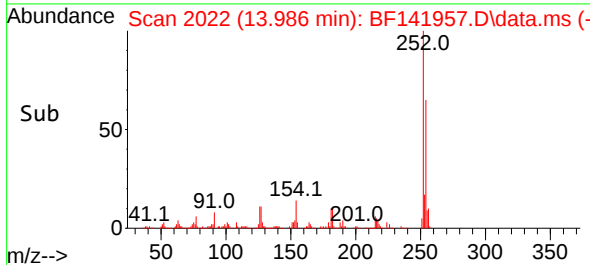
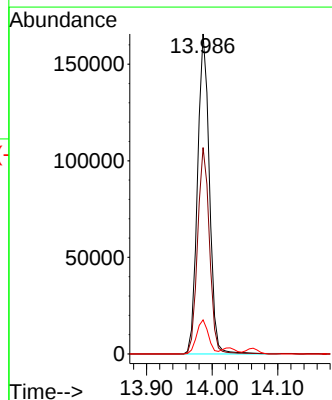
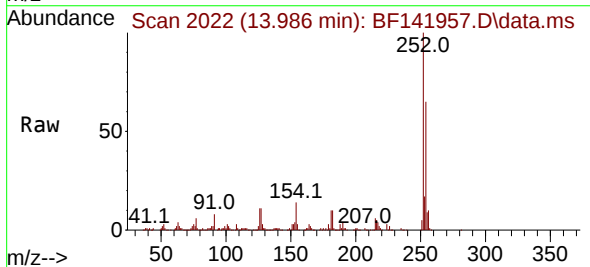
Instrument :  
BNA\_F  
ClientSampleId :  
PB167113BS

Tgt Ion:228 Resp: 1086233  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.8 32.8  
229 19.5 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 32.346 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. -0.006 min  
Lab File: BF141957.D  
Acq: 14 Mar 2025 11:09

Tgt Ion:252 Resp: 208944  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.0 76.6  
126 10.6 8.4 12.6





#83

Chrysene

Concen: 46.271 ng

RT: 14.063 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

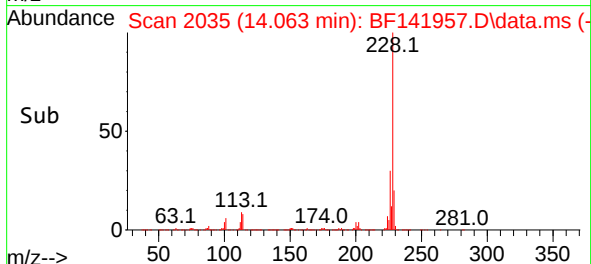
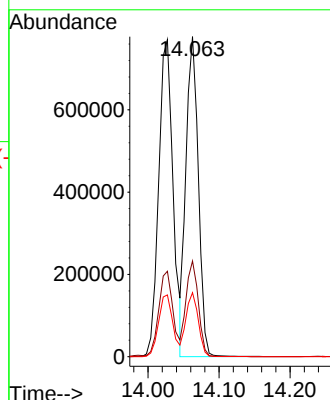
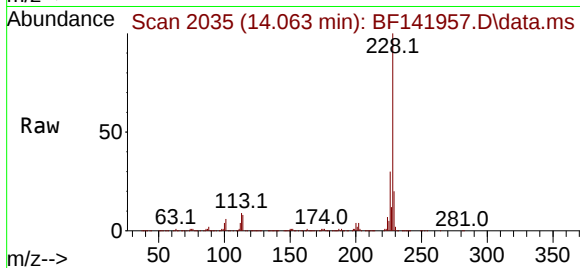
Tgt Ion:228 Resp: 937541

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 38.613 ng

RT: 14.015 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

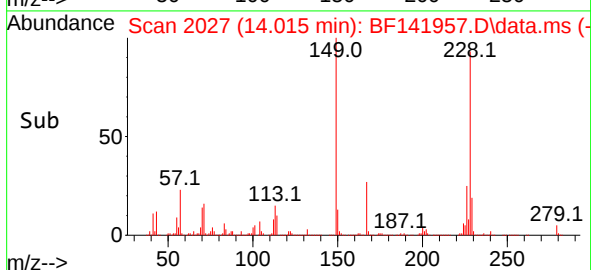
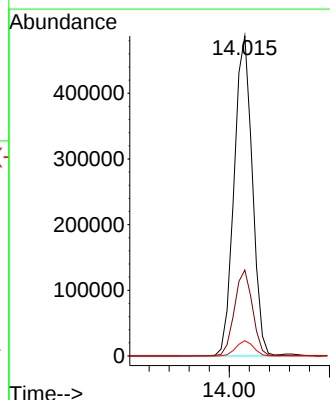
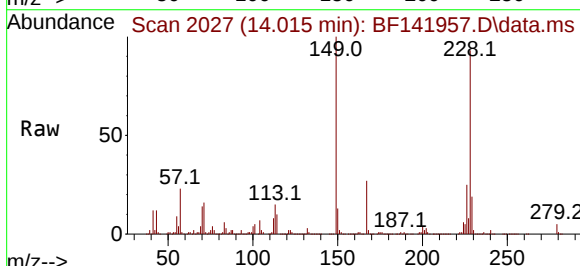
Tgt Ion:149 Resp: 613998

Ion Ratio Lower Upper

149 100

167 26.9 21.4 32.0

279 4.7 3.8 5.6





#85

Di-n-octyl phthalate

Concen: 42.012 ng

RT: 14.627 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

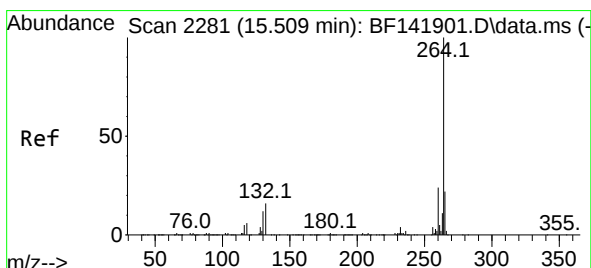
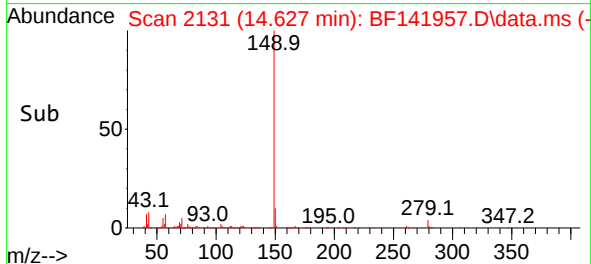
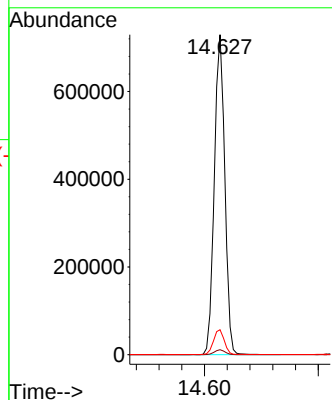
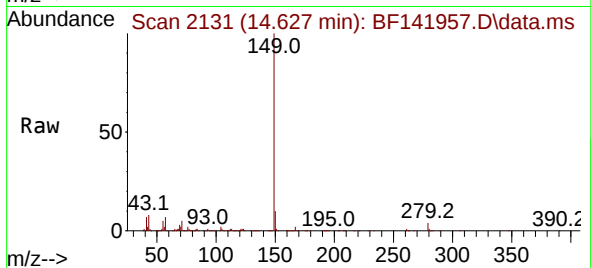
Tgt Ion:149 Resp: 929523

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 8.0 6.9 10.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

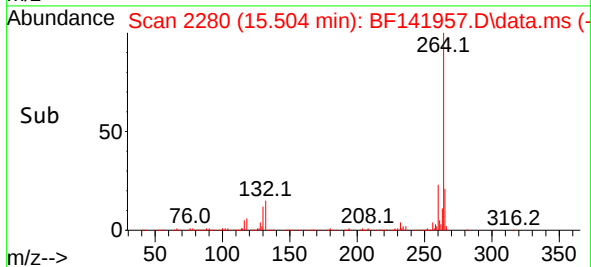
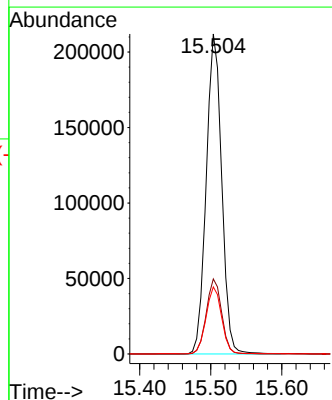
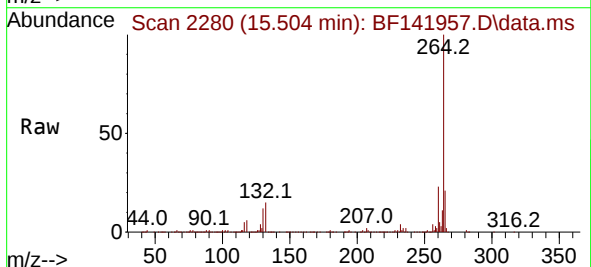
Tgt Ion:264 Resp: 321183

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 20.9 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 56.052 ng

RT: 16.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

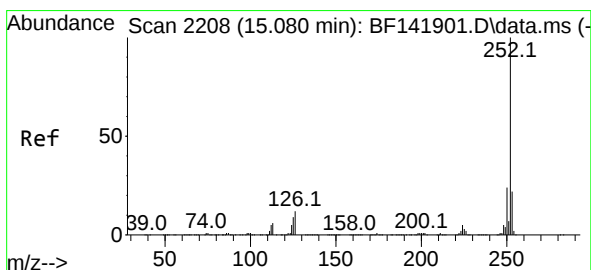
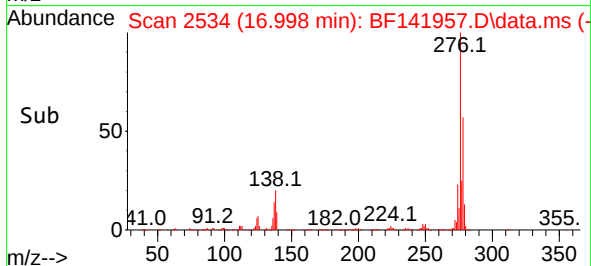
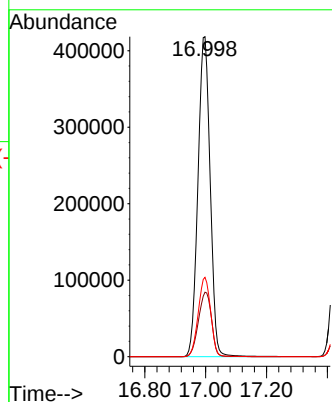
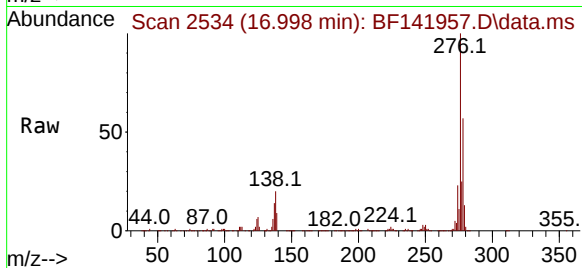
Tgt Ion:276 Resp: 1164583

Ion Ratio Lower Upper

276 100

138 21.4 18.4 27.6

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 40.052 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

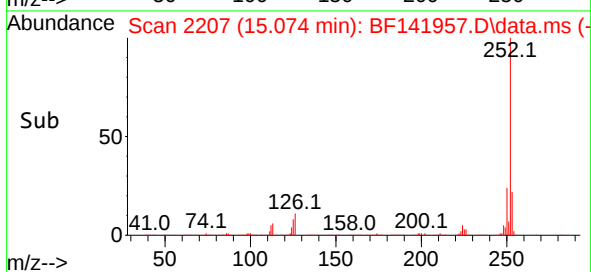
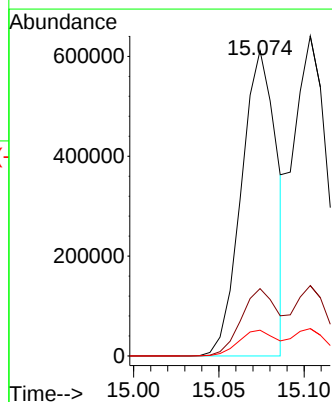
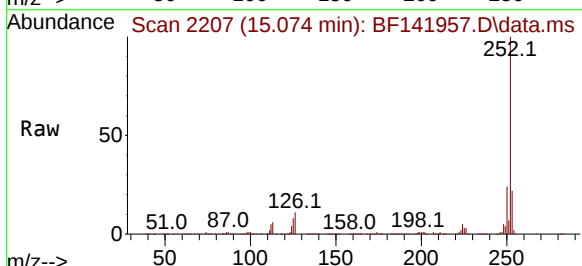
Tgt Ion:252 Resp: 881653

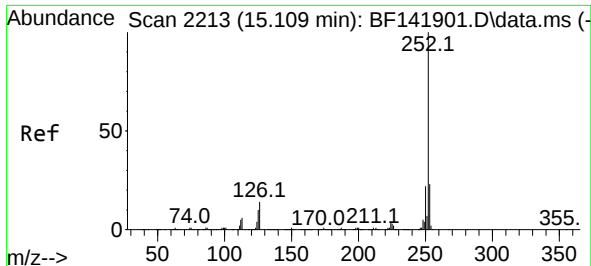
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

125 8.4 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.399 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

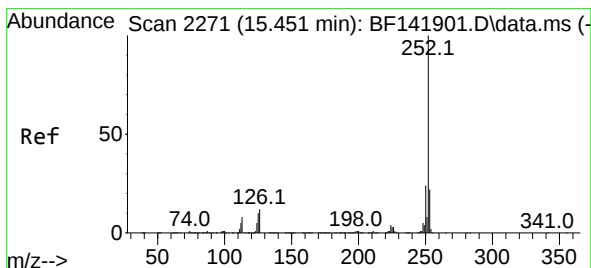
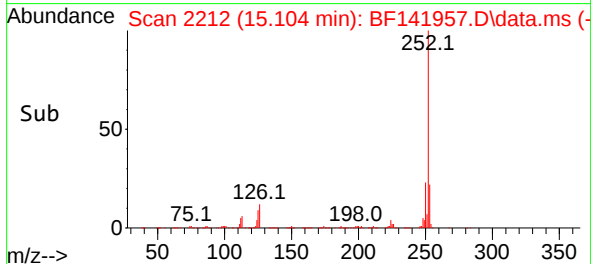
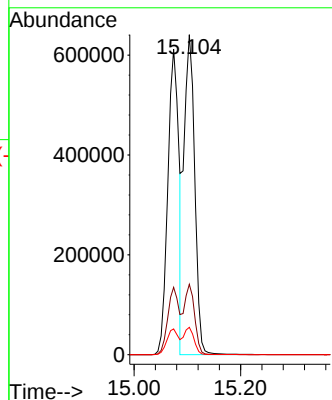
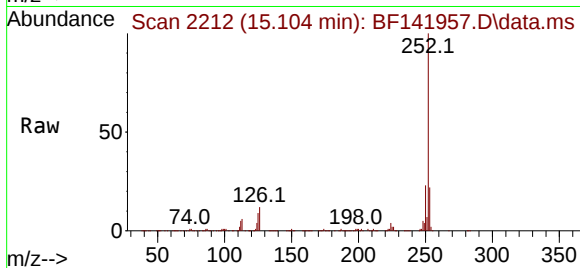
Tgt Ion:252 Resp: 892889

Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 8.5 7.2 10.8



#90

Benzo(a)pyrene

Concen: 49.693 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

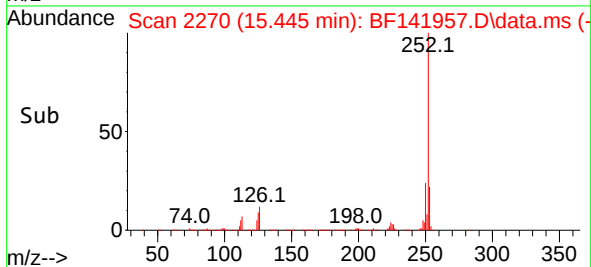
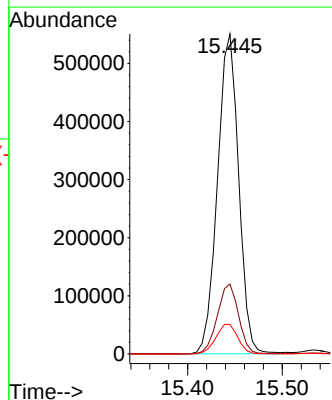
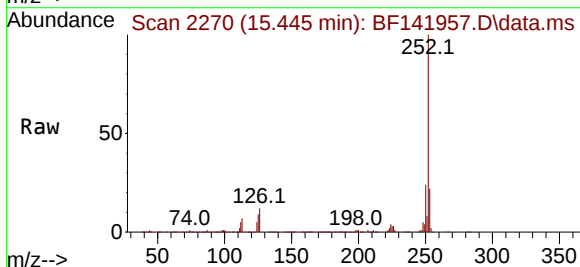
Tgt Ion:252 Resp: 855913

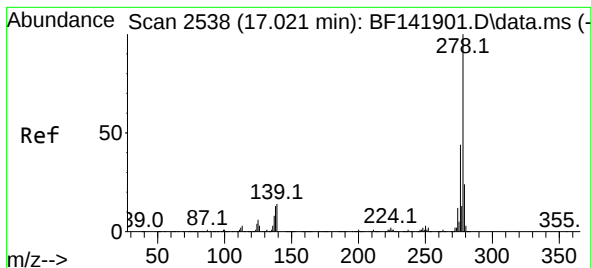
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.3 7.8 11.8





#91

Dibenzo(a,h)anthracene

Concen: 55.240 ng

RT: 17.015 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Instrument :

BNA\_F

ClientSampleId :

PB167113BS

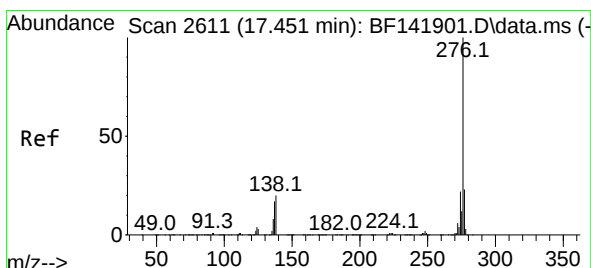
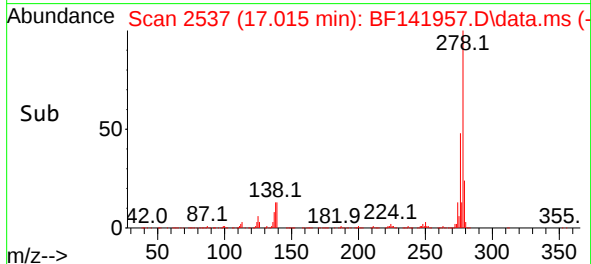
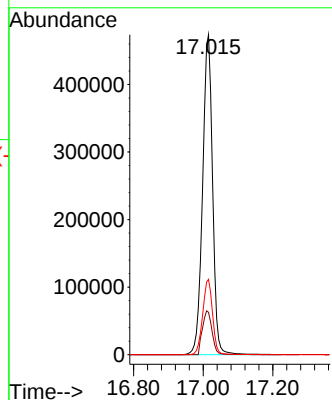
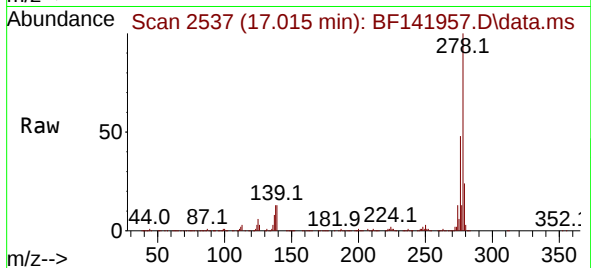
Tgt Ion:278 Resp: 946945

Ion Ratio Lower Upper

278 100

139 13.2 11.4 17.2

279 23.6 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 52.859 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.006 min

Lab File: BF141957.D

Acq: 14 Mar 2025 11:09

Tgt Ion:276 Resp: 895451

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 18.4 15.8 23.8

