

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021325\  
 Data File : BF141621.D  
 Acq On : 13 Feb 2025 18:08  
 Operator : RC/JU  
 Sample : Q1353-01MS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 346MS

Quant Time: Feb 14 00:35:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF020625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 106869   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 429721   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 227122   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 357134   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 214860   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.398 | 264  | 216685   | 20.000  | ng    | -0.02    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 696265   | 102.140 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 859858   | 99.800  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 571963   | 69.423  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 223053   | 97.764  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1054241  | 71.513  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.892 | 244  | 958826   | 75.336  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.599  | 88   | 111749   | 40.731  | ng    | 99       |
| 3) Pyridine                   | 3.328  | 79   | 222161   | 34.028  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 170865   | 39.525  | ng    | 94       |
| 6) Aniline                    | 6.457  | 93   | 121639   | 15.051  | ng    | # 62     |
| 8) 2-Chlorophenol             | 6.575  | 128  | 314739   | 42.730  | ng    | 99       |
| 9) Benzaldehyde               | 6.334  | 77   | 164313   | 35.888  | ng    | 98       |
| 10) Phenol                    | 6.445  | 94   | 370041   | 41.265  | ng    | 81       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 301390   | 44.747  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 330691   | 42.526  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 335584   | 42.238  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 317293   | 43.029  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 248575   | 37.623  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 468327   | 40.619  | ng    | 72       |
| 17) 2-Methylphenol            | 7.051  | 107  | 243814   | 42.298  | ng    | 95       |
| 18) Hexachloroethane          | 7.292  | 117  | 126750   | 43.107  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 220958   | 42.874  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 319249   | 43.581  | ng    | # 74     |
| 22) Acetophenone              | 7.198  | 105  | 487316   | 45.588  | ng    | 94       |
| 24) Nitrobenzene              | 7.369  | 77   | 334360   | 41.619  | ng    | 99       |
| 25) Isophorone                | 7.610  | 82   | 582371   | 44.332  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 167751   | 41.969  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 248410   | 53.200  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 359095   | 42.660  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 264594   | 41.940  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 282750   | 41.156  | ng    | 99       |
| 31) Naphthalene               | 8.092  | 128  | 931646   | 41.650  | ng    | 100      |
| 32) Benzoic acid              | 7.875  | 122  | 190059   | 39.187  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.163  | 127  | 47809    | 6.122   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 177773   | 43.102  | ng    | 100      |
| 35) Caprolactam               | 8.522  | 113  | 66991    | 34.875  | ng    | 89       |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 281319   | 40.255  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.780  | 142  | 585551   | 40.227  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.880  | 142  | 566834   | 40.207  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 312775   | 47.600  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 296274   | 135.561 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 182199   | 42.902  | ng    | 99       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 06 16:58:59 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.116  | 196  | 191114   | 41.523 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 828781   | 47.068 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 560571   | 43.052 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.375  | 65   | 180377   | 41.278 | ng    | 97       |
| 49) Acenaphthylene            | 9.686  | 152  | 851051   | 43.943 | ng    | 100      |
| 50) Dimethylphthalate         | 9.551  | 163  | 675507   | 43.811 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 143123   | 42.462 | ng    | 97       |
| 52) Acenaphthene              | 9.857  | 154  | 549920   | 42.236 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 75206    | 20.730 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 163021   | 81.378 | ng    | 93       |
| 55) Dibenzofuran              | 10.027 | 168  | 787107   | 41.185 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 200053   | 74.285 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 193006   | 43.013 | ng    | 97       |
| 58) Fluorene                  | 10.374 | 166  | 615901   | 41.680 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 158545   | 40.011 | ng    | 96       |
| 60) Diethylphthalate          | 10.245 | 149  | 642172   | 42.331 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 296050   | 41.645 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 130186   | 35.341 | ng    | 100      |
| 63) Azobenzene                | 10.522 | 77   | 665279   | 44.113 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198  | 109017   | 43.944 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 523700   | 45.809 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 184690   | 46.272 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 188834   | 45.944 | ng    | 98       |
| 69) Atrazine                  | 11.016 | 200  | 190200   | 55.457 | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 204137   | 77.675 | ng    | 99       |
| 71) Phenanthrene              | 11.333 | 178  | 966264   | 49.152 | ng    | 100      |
| 72) Anthracene                | 11.386 | 178  | 889828   | 45.028 | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 718529   | 40.409 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.869 | 149  | 948131   | 46.179 | ng    | 100      |
| 75) Fluoranthene              | 12.521 | 202  | 942468   | 45.220 | ng    | 100      |
| 77) Benzidine                 | 12.651 | 184  | 82119    | 17.330 | ng    | 96       |
| 78) Pyrene                    | 12.751 | 202  | 893955   | 48.876 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.368 | 149  | 319301   | 50.401 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.939 | 228  | 668357   | 46.796 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.904 | 252  | 141607   | 34.612 | ng    | 98       |
| 83) Chrysene                  | 13.974 | 228  | 623542   | 47.282 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.927 | 149  | 431775   | 60.429 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.539 | 149  | 685134   | 67.215 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.839 | 276  | 583473   | 43.579 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 14.980 | 252  | 640006   | 43.989 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.009 | 252  | 575971   | 46.360 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.339 | 252  | 577752   | 49.075 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.851 | 278  | 467594   | 43.101 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.268 | 276  | 435840   | 38.391 | ng    | 100      |

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

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QLast Update : Thu Feb 06 16:58:59 2025  
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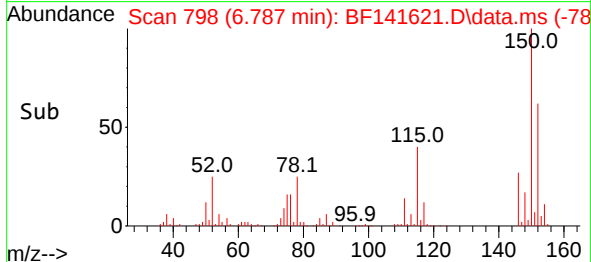
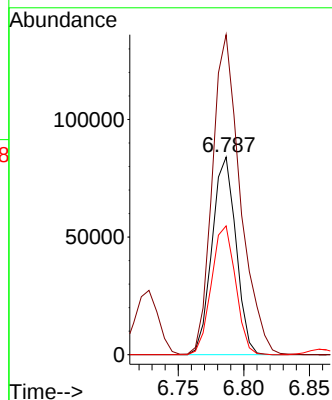
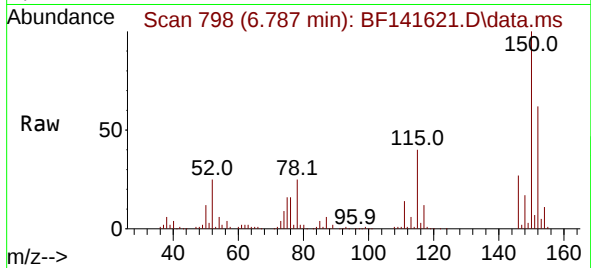




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF141621.D  
 Acq: 13 Feb 2025 18:08

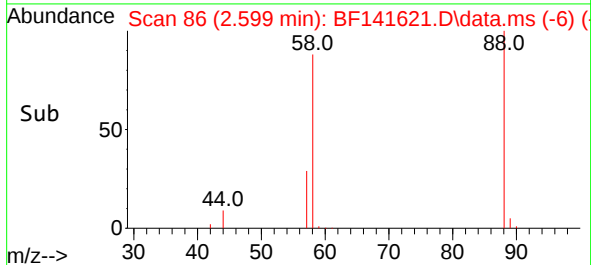
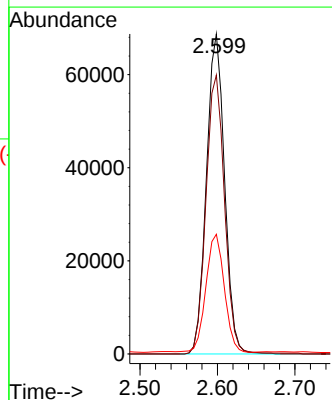
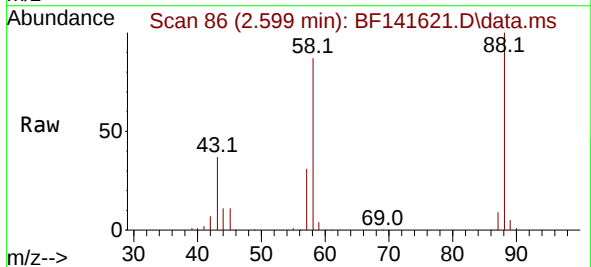
Instrument :  
 BNA\_F  
 ClientSampleId :  
 346MS

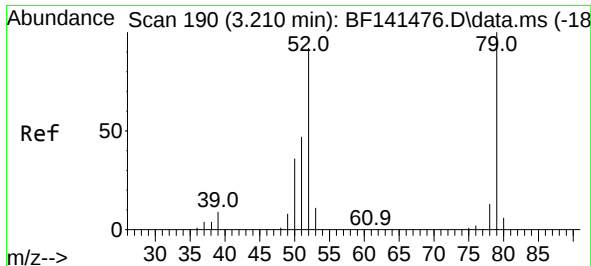
Tgt Ion:152 Resp: 106869  
 Ion Ratio Lower Upper  
 152 100  
 150 162.0 125.0 187.4  
 115 65.2 53.6 80.4



#2  
 1,4-Dioxane  
 Concen: 40.731 ng  
 RT: 2.599 min Scan# 86  
 Delta R.T. 0.118 min  
 Lab File: BF141621.D  
 Acq: 13 Feb 2025 18:08

Tgt Ion: 88 Resp: 111749  
 Ion Ratio Lower Upper  
 88 100  
 58 89.2 71.1 106.7  
 43 37.5 30.6 46.0





#3

Pyridine

Concen: 34.028 ng

RT: 3.328 min Scan# 210

Delta R.T. 0.112 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

Tgt Ion: 79 Resp: 222161

Ion Ratio Lower Upper

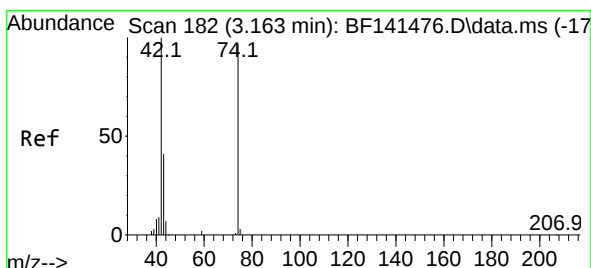
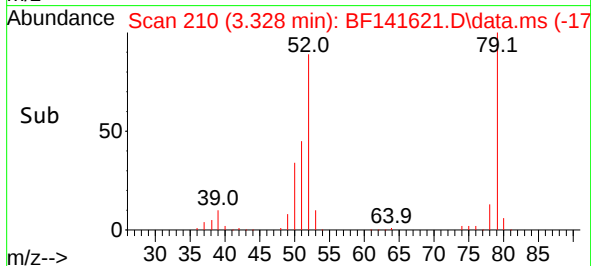
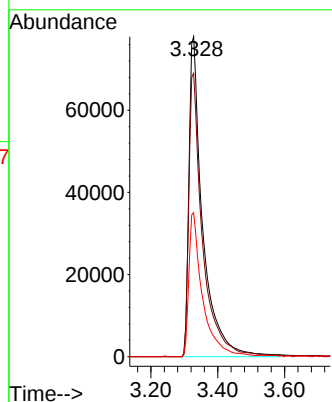
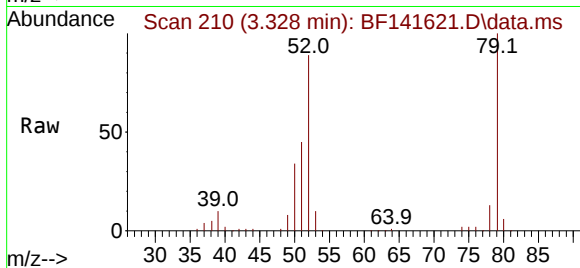
79 100

52 88.6

51 45.0

73.7 110.5

37.5 56.3



#4

n-Nitrosodimethylamine

Concen: 39.525 ng

RT: 3.281 min Scan# 202

Delta R.T. 0.094 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Tgt Ion: 42 Resp: 170865

Ion Ratio Lower Upper

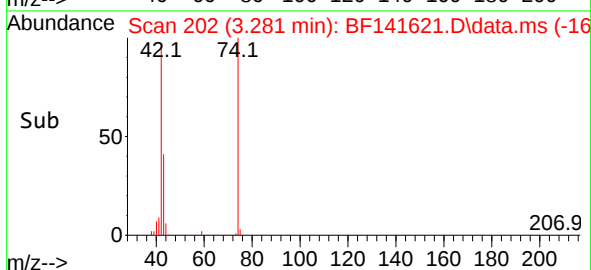
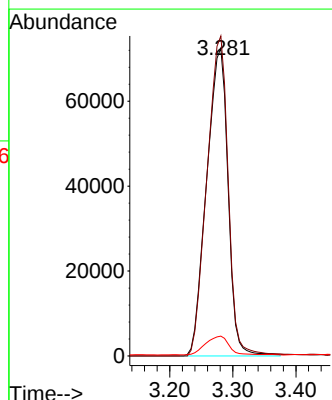
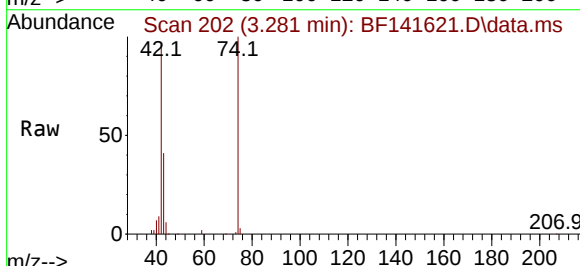
42 100

74 104.0

44 6.4

78.0 117.0

5.4 8.2

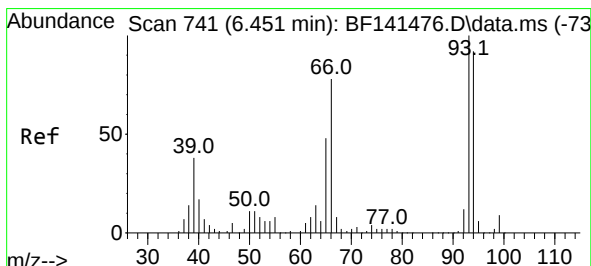
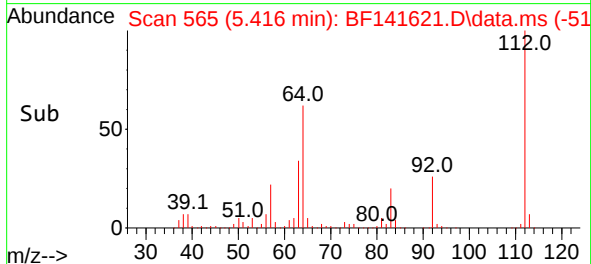
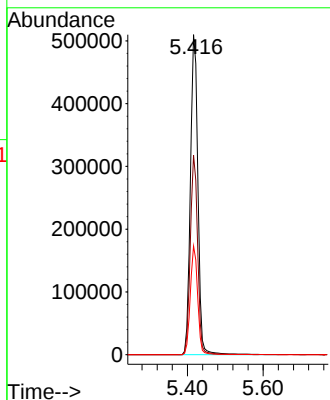
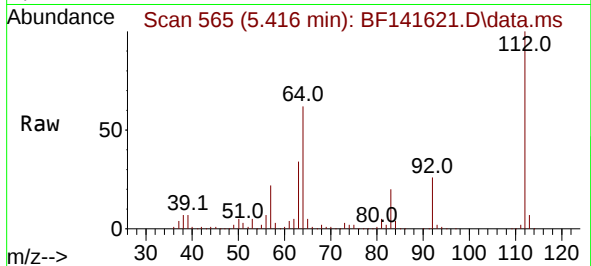




#5  
2-Fluorophenol  
Concen: 102.140 ng  
RT: 5.416 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

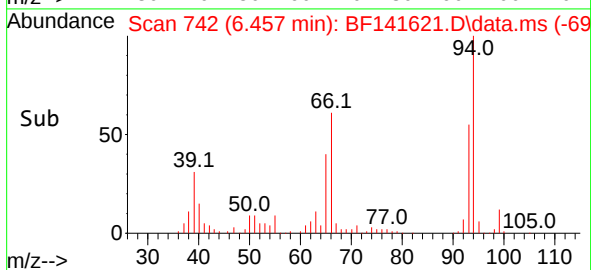
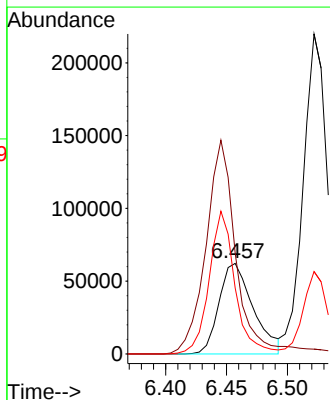
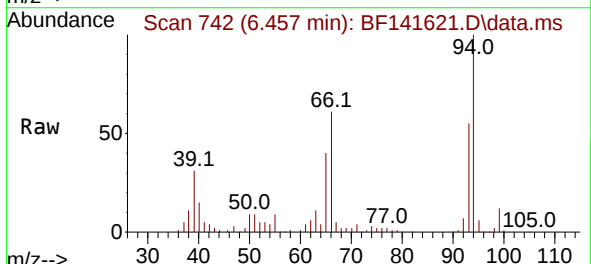
Instrument :  
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346MS

Tgt Ion:112 Resp: 696265  
Ion Ratio Lower Upper  
112 100  
64 62.3 51.1 76.7  
63 33.9 28.4 42.6



#6  
Aniline  
Concen: 15.051 ng  
RT: 6.457 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 93 Resp: 121639  
Ion Ratio Lower Upper  
93 100  
66 111.4 62.6 94.0#  
65 72.9 38.3 57.5#

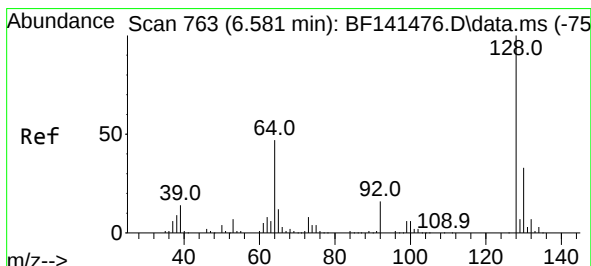
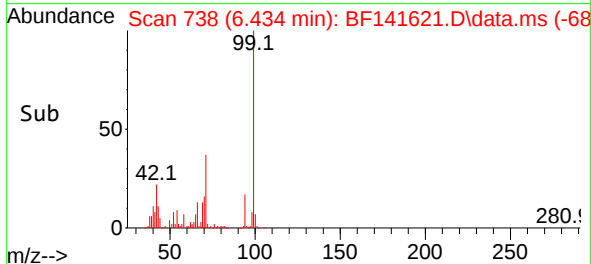
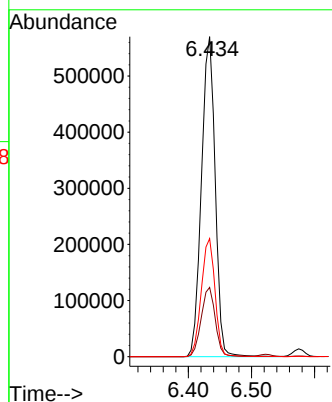
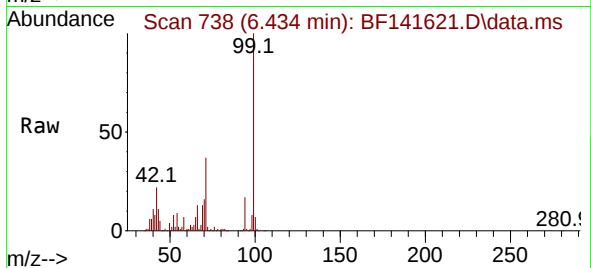




#7  
Phenol-d6  
Concen: 99.800 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

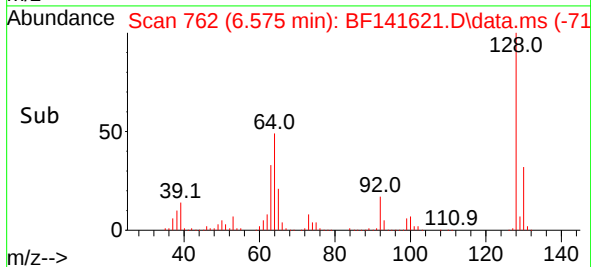
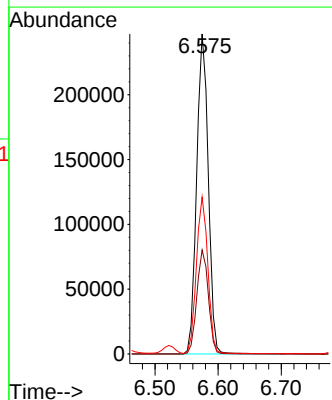
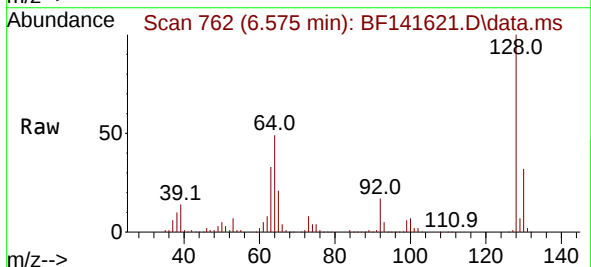
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion: 99 Resp: 859858  
Ion Ratio Lower Upper  
99 100  
42 21.6 19.1 28.7  
71 36.9 31.1 46.7



#8  
2-Chlorophenol  
Concen: 42.730 ng  
RT: 6.575 min Scan# 762  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 128 Resp: 314739  
Ion Ratio Lower Upper  
128 100  
130 32.5 12.7 52.7  
64 49.0 28.3 68.3





#9

Benzaldehyde

Concen: 35.888 ng

RT: 6.334 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

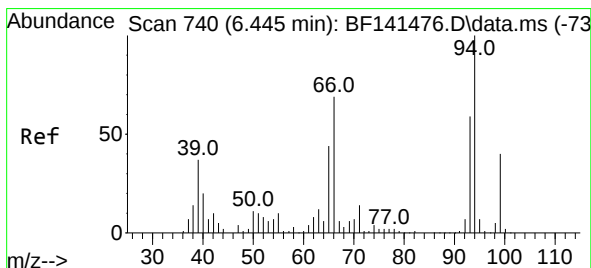
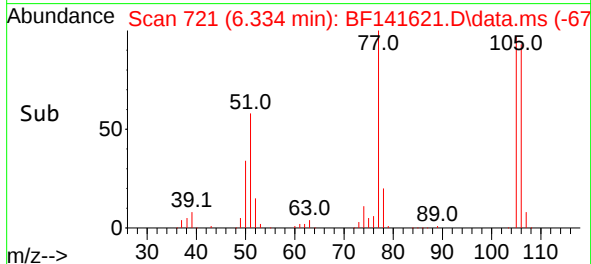
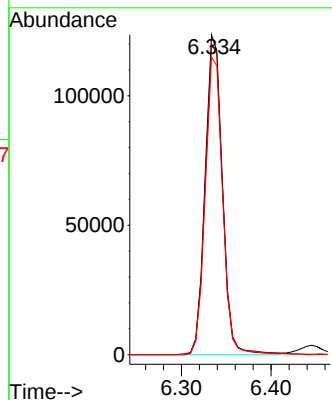
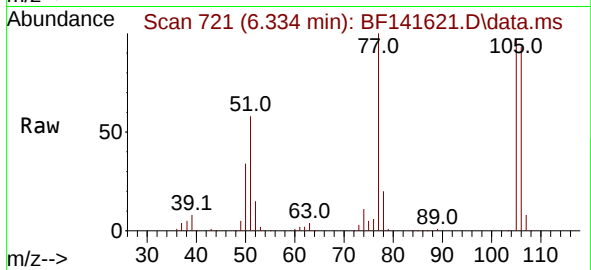
Tgt Ion: 77 Resp: 164313

Ion Ratio Lower Upper

77 100

105 97.1 79.4 119.4

106 93.0 75.1 115.1



#10

Phenol

Concen: 41.265 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

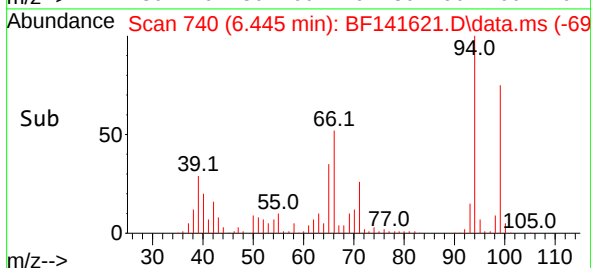
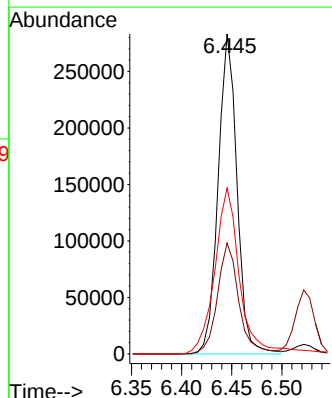
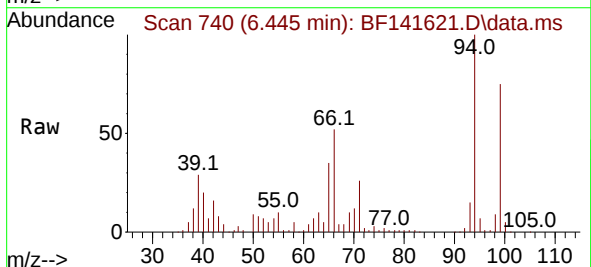
Tgt Ion: 94 Resp: 370041

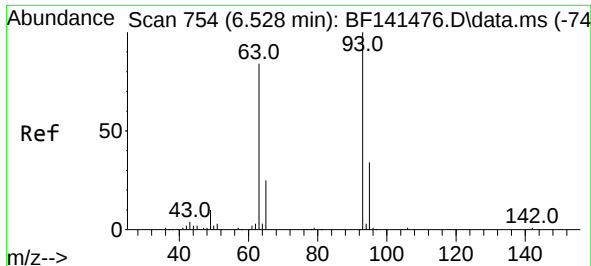
Ion Ratio Lower Upper

94 100

65 34.6 23.7 63.7

66 51.8 49.3 89.3

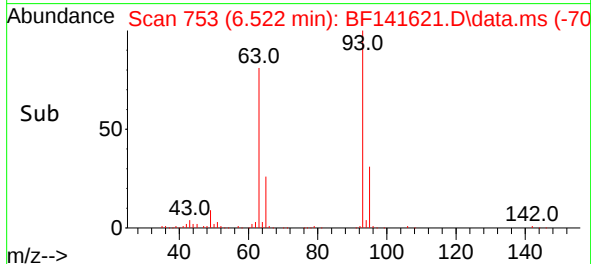
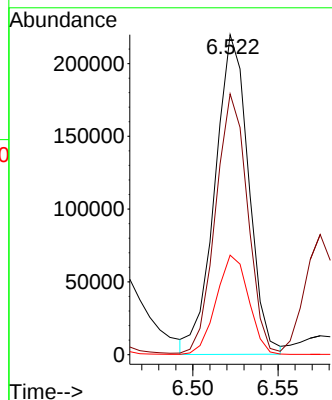
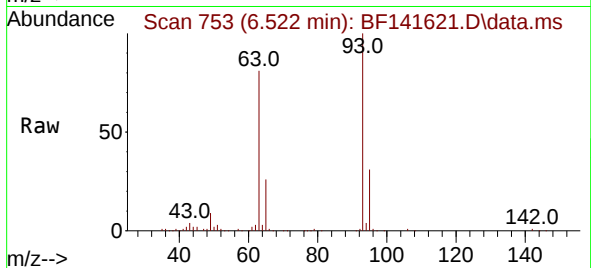




#11  
bis(2-Chloroethyl)ether  
Concen: 44.747 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

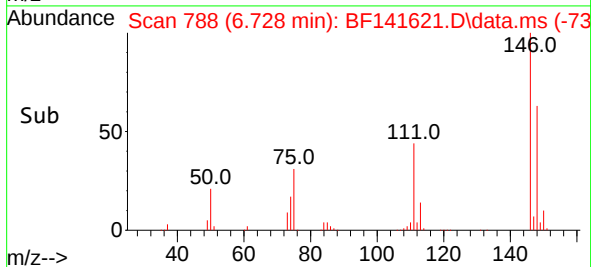
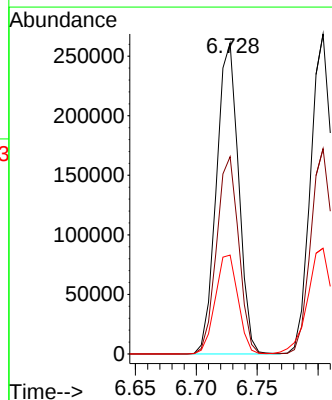
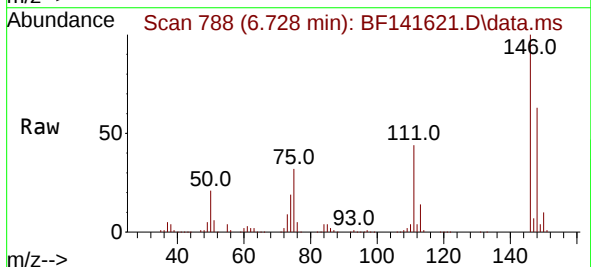
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion: 93 Resp: 301390  
Ion Ratio Lower Upper  
93 100  
63 81.5 62.0 102.0  
95 31.1 12.6 52.6



#12  
1,3-Dichlorobenzene  
Concen: 42.526 ng  
RT: 6.728 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:146 Resp: 330691  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.9 77.9  
75 31.8 28.2 42.2

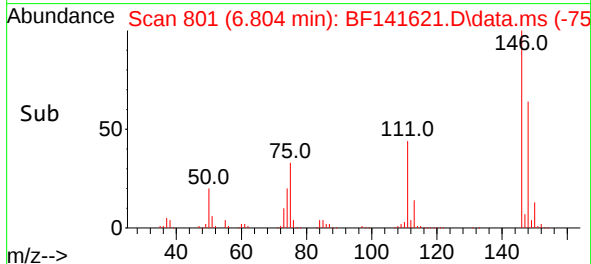
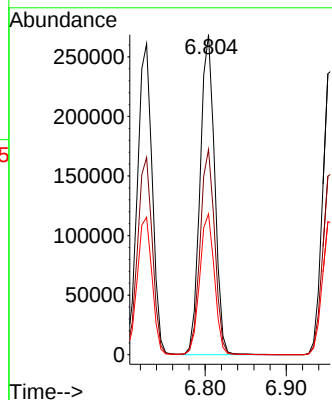
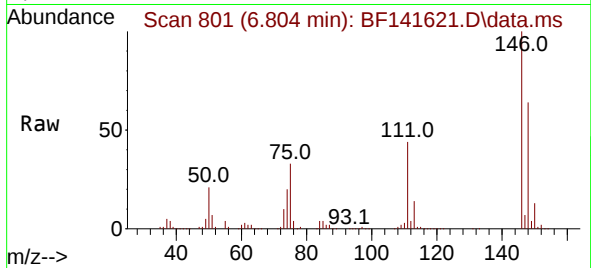




#13  
1,4-Dichlorobenzene  
Concen: 42.238 ng  
RT: 6.804 min Scan# 801  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

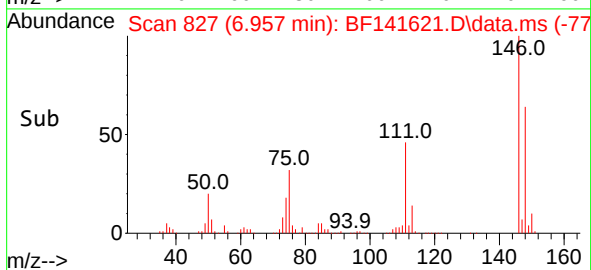
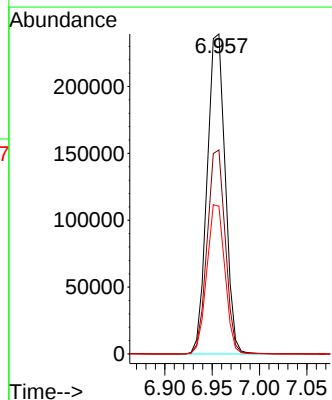
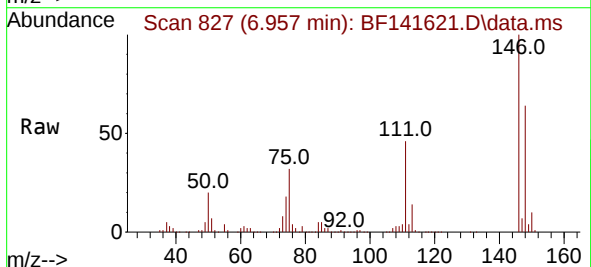
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion:146 Resp: 335584  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.9 76.3  
111 44.0 35.9 53.9



#14  
1,2-Dichlorobenzene  
Concen: 43.029 ng  
RT: 6.957 min Scan# 827  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:146 Resp: 317293  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.8 77.6  
111 46.2 37.0 55.4

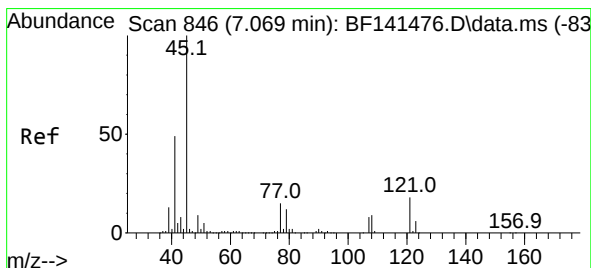
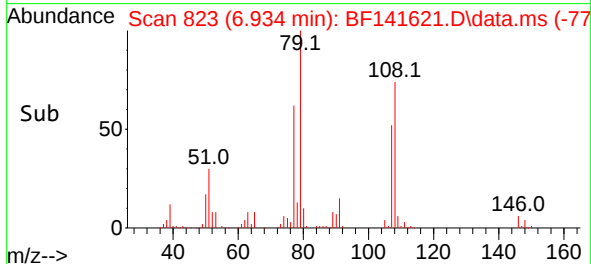
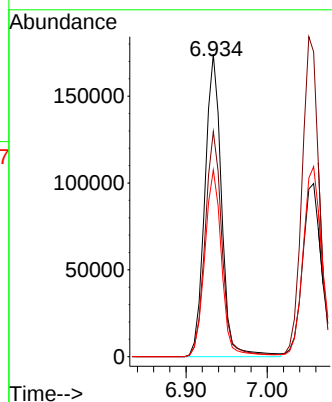
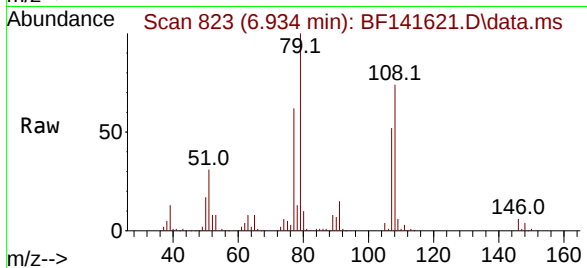




#15  
Benzyl Alcohol  
Concen: 37.623 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

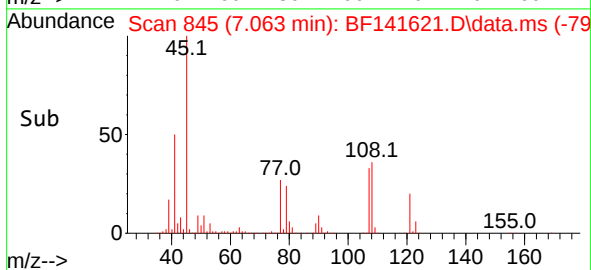
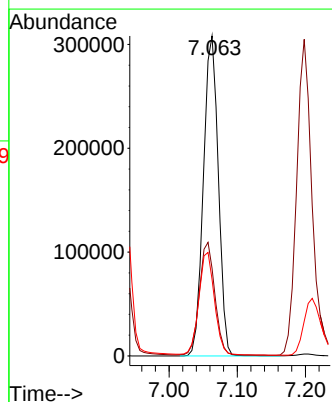
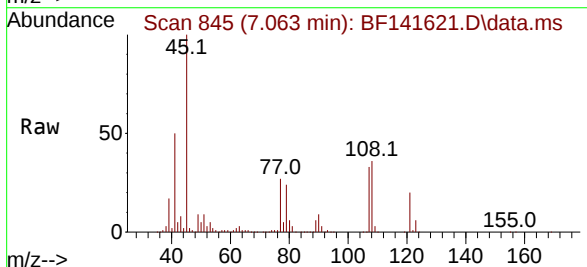
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

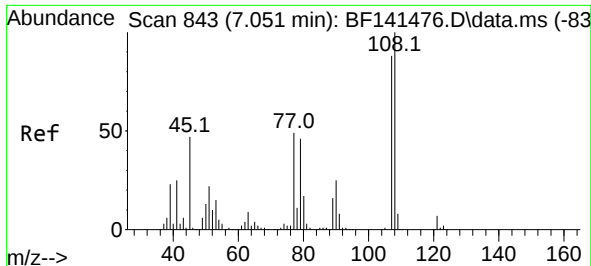
Tgt Ion: 79 Resp: 248575  
Ion Ratio Lower Upper  
79 100  
108 74.5 57.4 86.2  
77 61.7 50.9 76.3



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.619 ng  
RT: 7.063 min Scan# 845  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

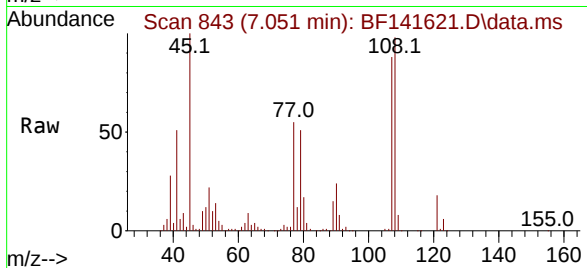
Tgt Ion: 45 Resp: 468327  
Ion Ratio Lower Upper  
45 100  
77 27.4 0.0 35.8  
79 24.0 0.0 32.7



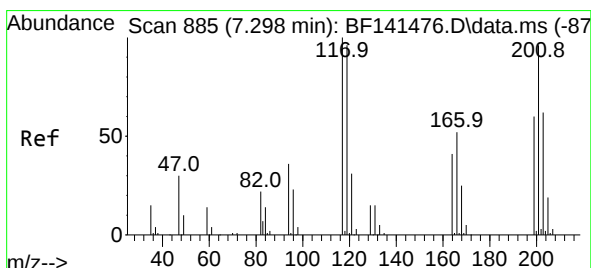
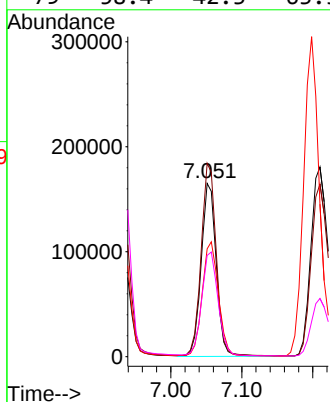
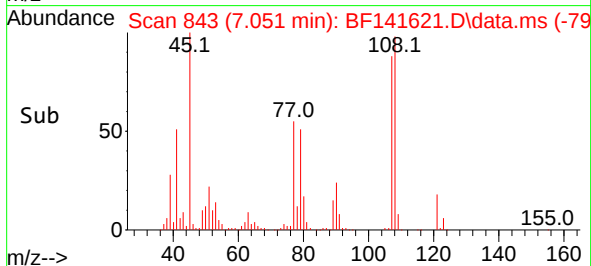


#17  
2-Methylphenol  
Concen: 42.298 ng  
RT: 7.051 min Scan# 843  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
346MS

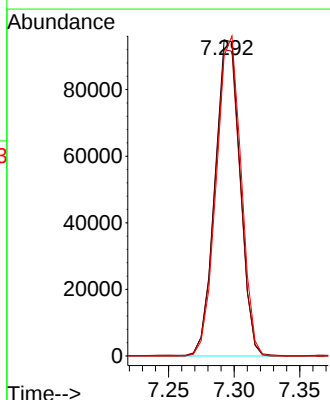
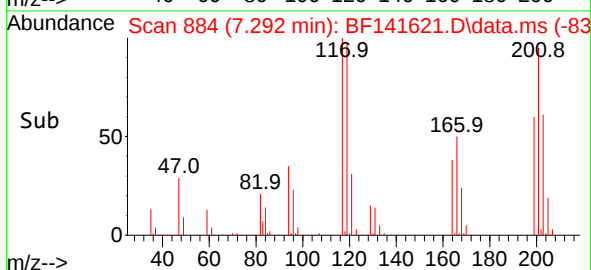
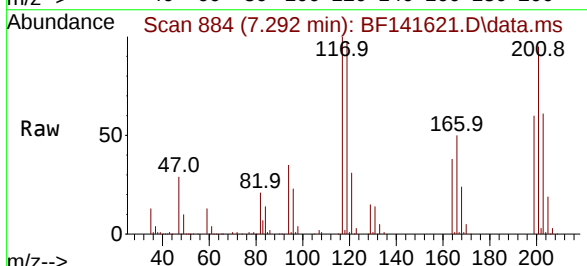


|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 243814 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.6 | 90.6  | 136.0  |
| 77       | 62.3  | 44.4  | 66.6   |
| 79       | 58.4  | 42.3  | 63.5   |



#18  
Hexachloroethane  
Concen: 43.107 ng  
RT: 7.292 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 126750 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.9  | 76.5  | 114.7  |
| 201      | 95.0  | 76.7  | 115.1  |



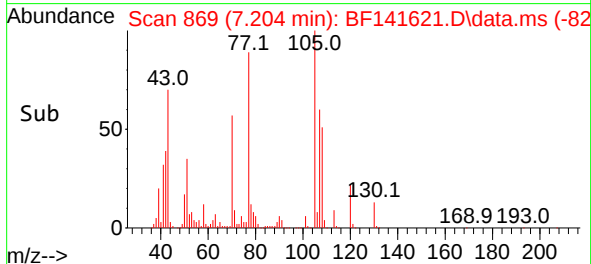
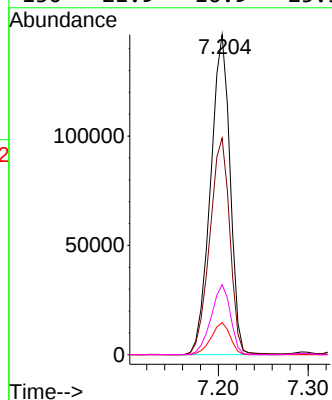
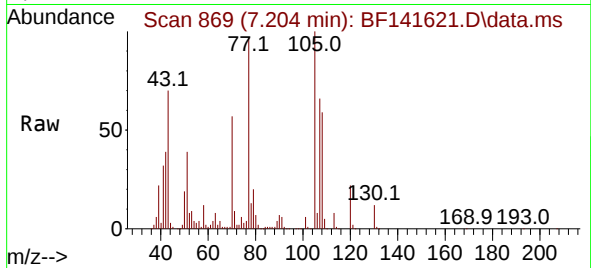


#19  
n-Nitroso-di-n-propylamine  
Concen: 42.874 ng  
RT: 7.204 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion: 70 Resp: 220958

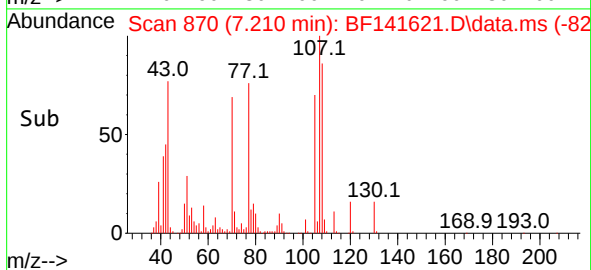
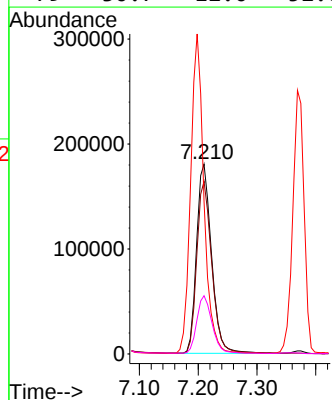
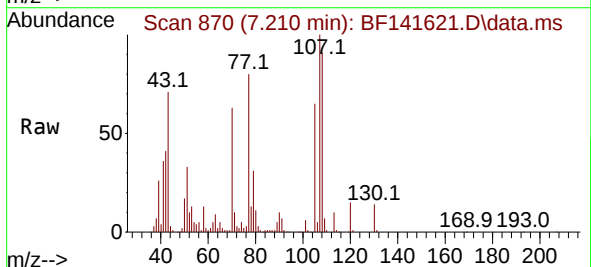
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 67.7  | 57.4  | 86.2  |
| 101 | 10.1  | 8.0   | 12.0  |
| 130 | 21.9  | 16.9  | 25.3  |



#20  
3+4-Methylphenols  
Concen: 43.581 ng  
RT: 7.210 min Scan# 870  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 107 Resp: 319249

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 91.0  | 68.5  | 108.5  |
| 77  | 80.4  | 116.5 | 156.5# |
| 79  | 30.7  | 12.0  | 52.0   |

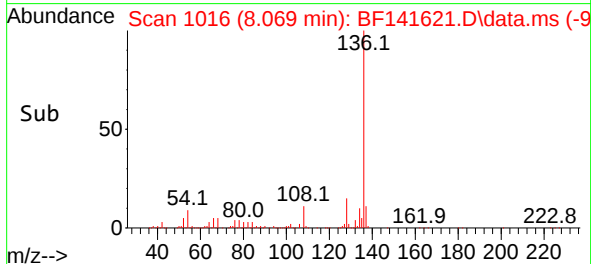
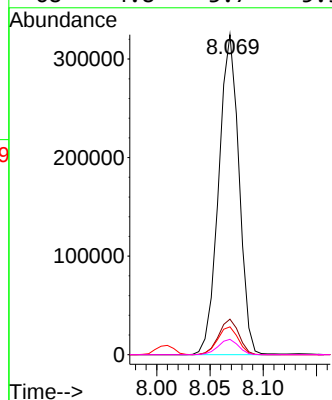
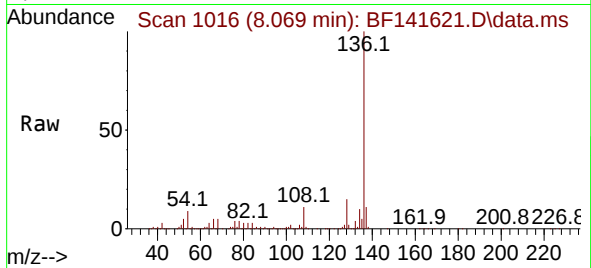




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

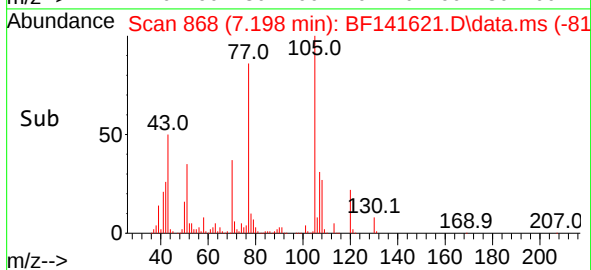
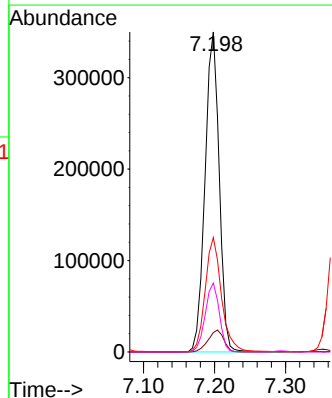
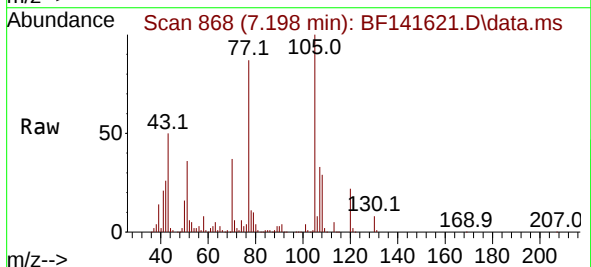
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

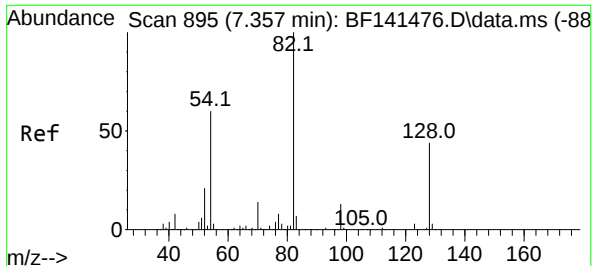
Tgt Ion:136 Resp: 429721  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.6 13.0  
54 8.7 7.2 10.8  
68 4.8 3.7 5.5



#22  
Acetophenone  
Concen: 45.588 ng  
RT: 7.198 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:105 Resp: 487316  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.7 8.5  
51 35.7 33.7 50.5  
120 21.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 69.423 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

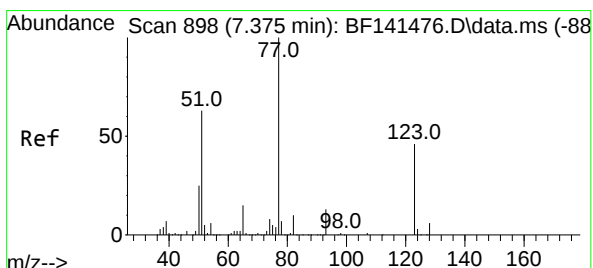
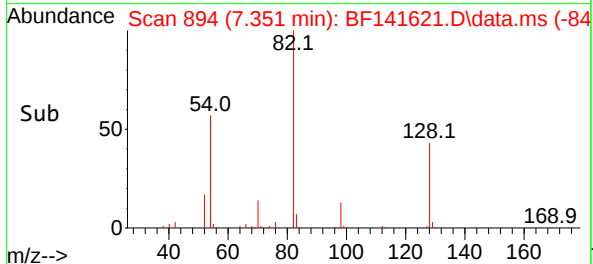
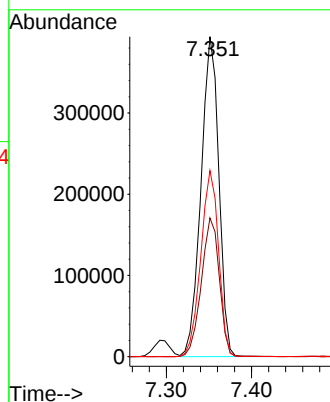
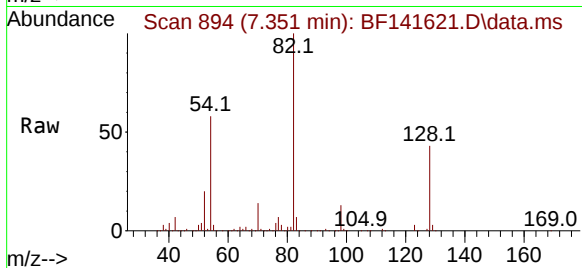
Tgt Ion: 82 Resp: 571963

Ion Ratio Lower Upper

82 100

128 43.3 34.8 52.2

54 58.2 48.2 72.4



#24

Nitrobenzene

Concen: 41.619 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

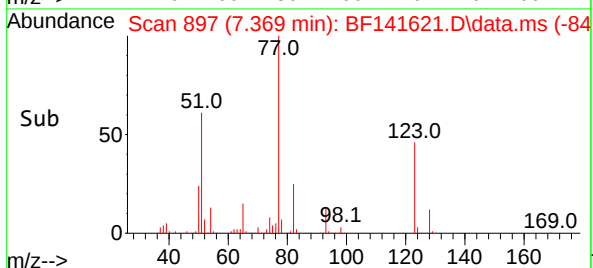
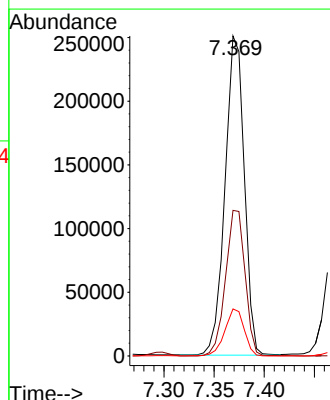
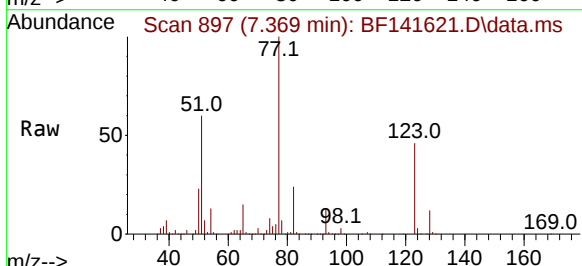
Tgt Ion: 77 Resp: 334360

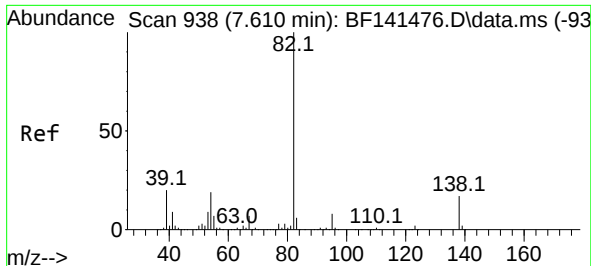
Ion Ratio Lower Upper

77 100

123 45.5 36.9 55.3

65 14.7 11.9 17.9

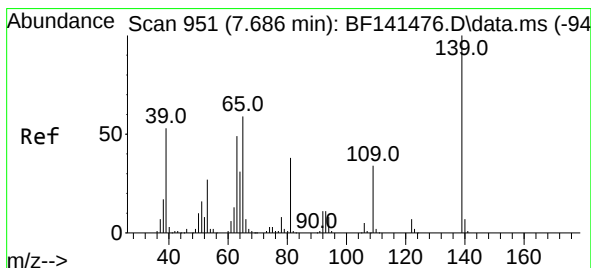
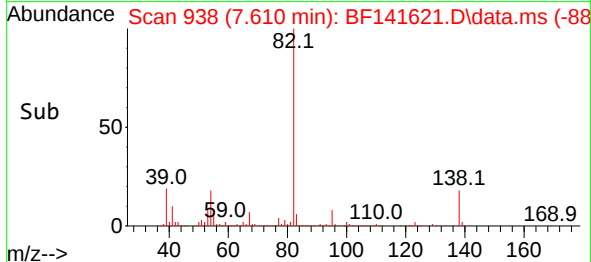
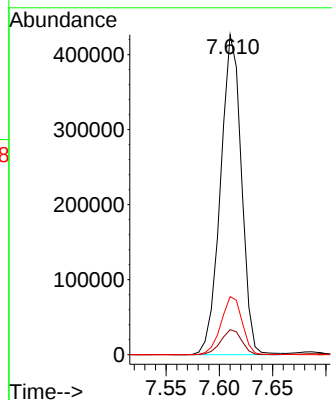
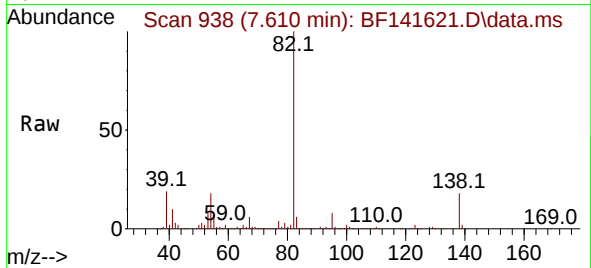




#25  
Isophorone  
Concen: 44.332 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

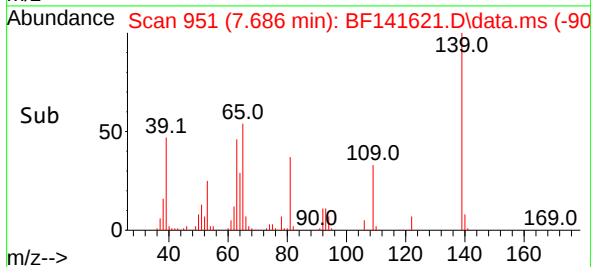
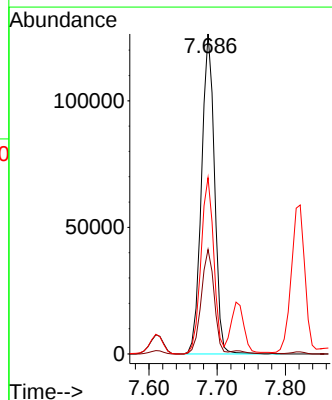
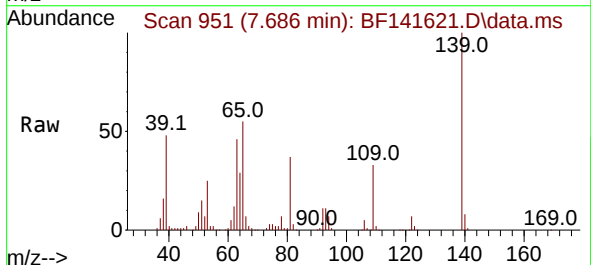
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

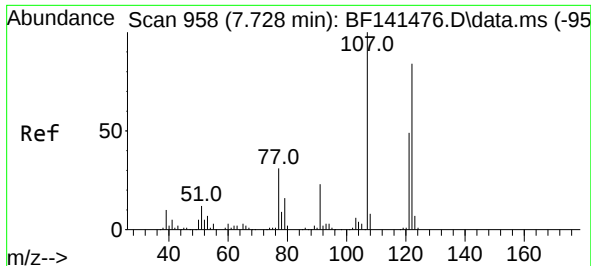
Tgt Ion: 82 Resp: 582371  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 18.1 13.9 20.9



#26  
2-Nitrophenol  
Concen: 41.969 ng  
RT: 7.686 min Scan# 951  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 139 Resp: 167751  
Ion Ratio Lower Upper  
139 100  
109 32.6 27.0 40.6  
65 55.1 47.1 70.7

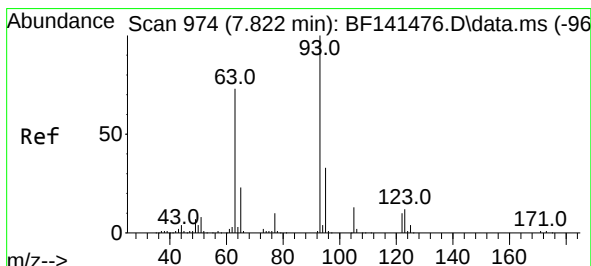
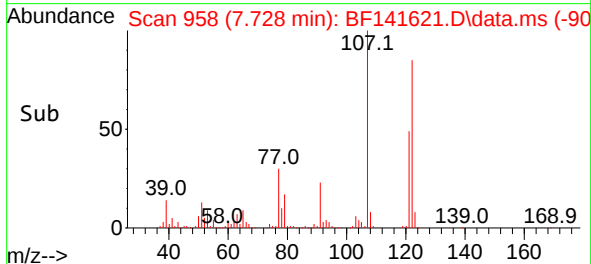
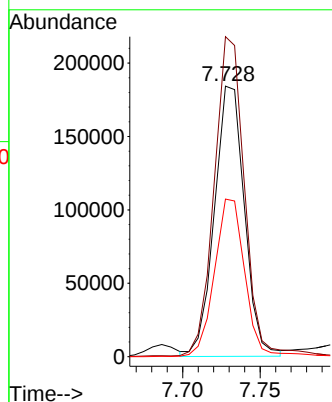
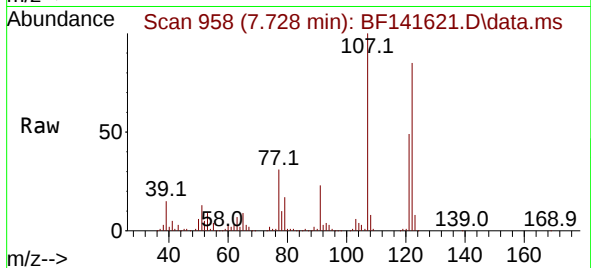




#27  
2,4-Dimethylphenol  
Concen: 53.200 ng  
RT: 7.728 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

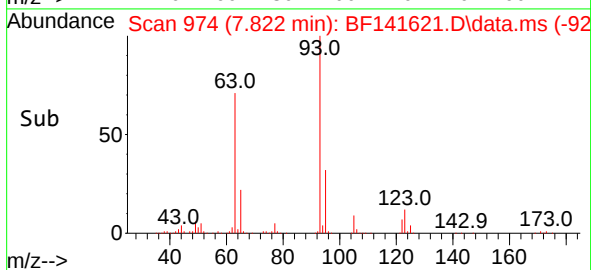
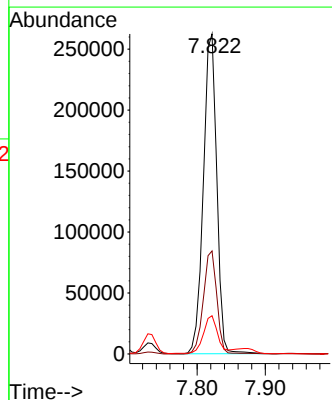
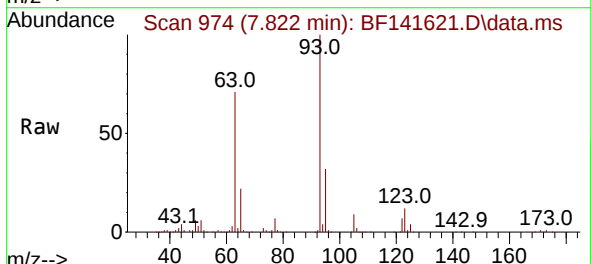
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

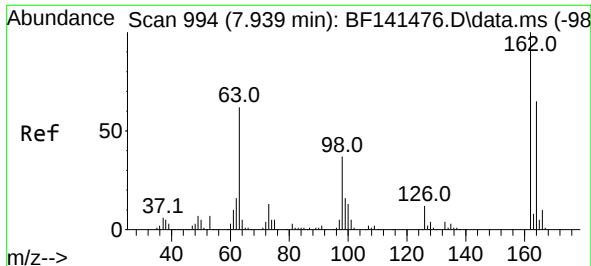
Tgt Ion:122 Resp: 248410  
Ion Ratio Lower Upper  
122 100  
107 118.3 94.3 141.5  
121 58.2 46.0 69.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.660 ng  
RT: 7.822 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 93 Resp: 359095  
Ion Ratio Lower Upper  
93 100  
95 32.2 26.1 39.1  
123 12.0 9.5 14.3

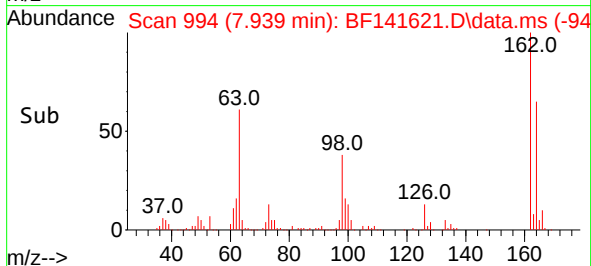
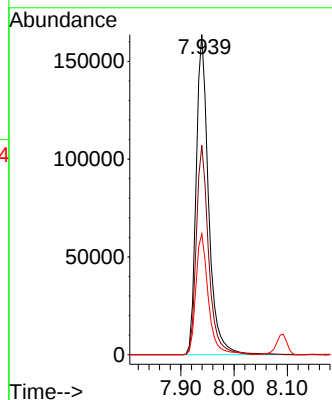
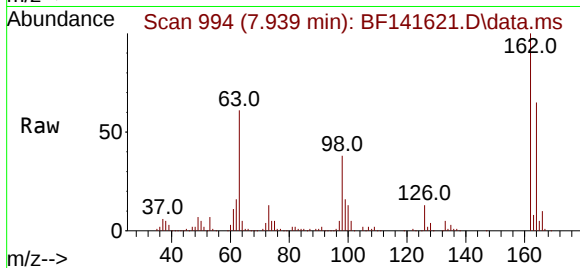




#29  
2,4-Dichlorophenol  
Concen: 41.940 ng  
RT: 7.939 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

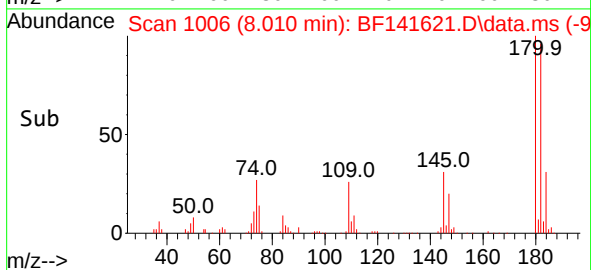
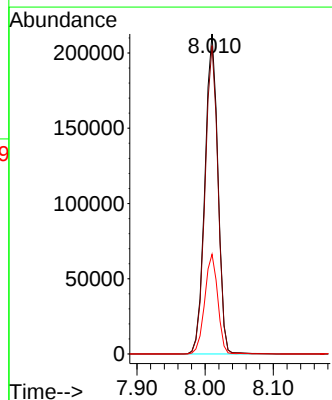
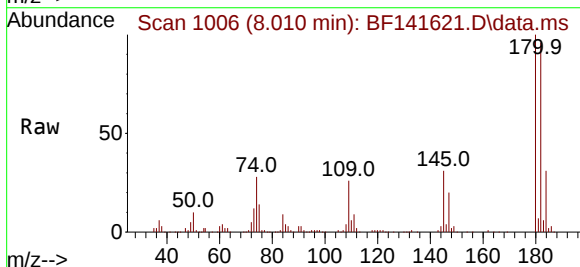
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

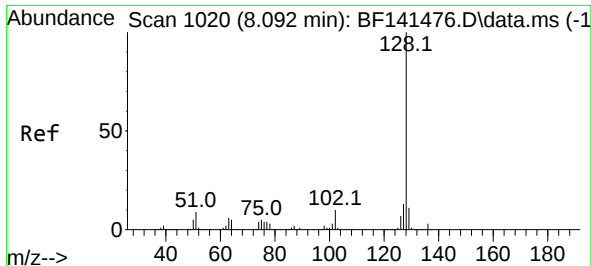
Tgt Ion:162 Resp: 264594  
Ion Ratio Lower Upper  
162 100  
164 65.4 44.6 84.6  
98 37.8 17.2 57.2



#30  
1,2,4-Trichlorobenzene  
Concen: 41.156 ng  
RT: 8.010 min Scan# 1006  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:180 Resp: 282750  
Ion Ratio Lower Upper  
180 100  
182 96.4 76.8 115.2  
145 31.2 24.2 36.4

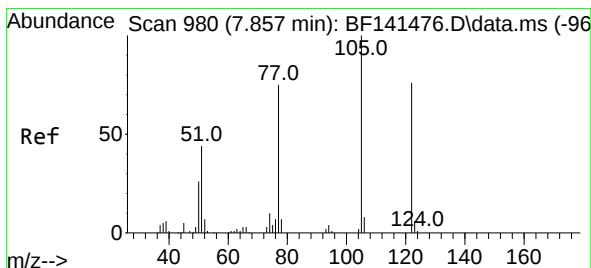
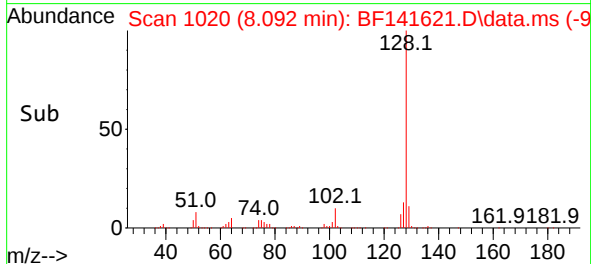
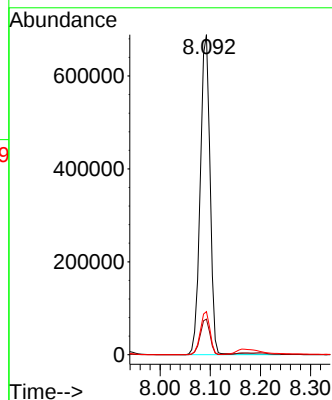
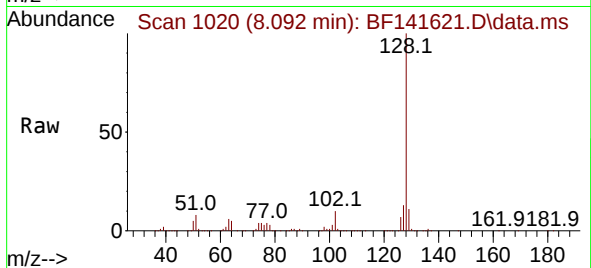




#31  
Naphthalene  
Concen: 41.650 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

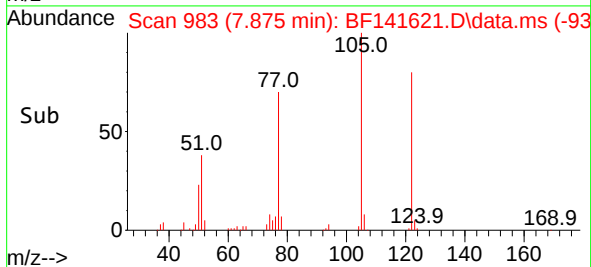
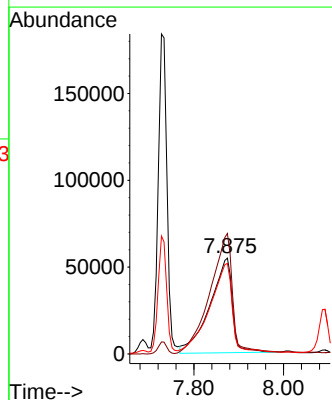
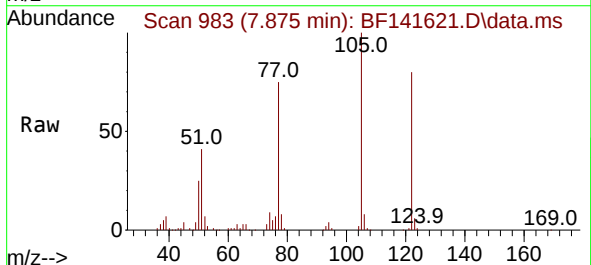
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

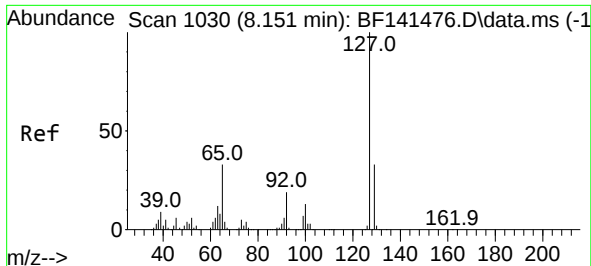
Tgt Ion:128 Resp: 931646  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.5 10.7 16.1



#32  
Benzoic acid  
Concen: 39.187 ng  
RT: 7.875 min Scan# 983  
Delta R.T. -0.018 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:122 Resp: 190059  
Ion Ratio Lower Upper  
122 100  
105 125.6 106.5 146.5  
77 94.5 76.3 116.3

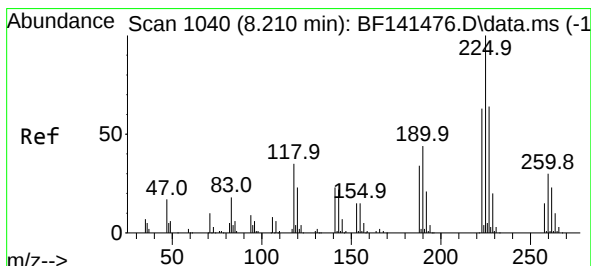
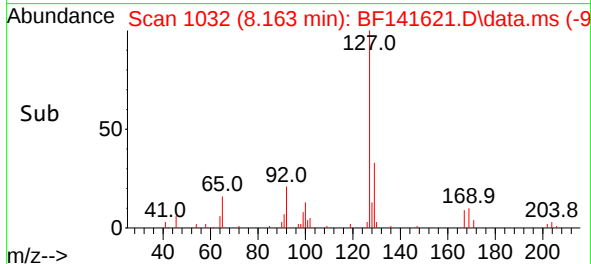
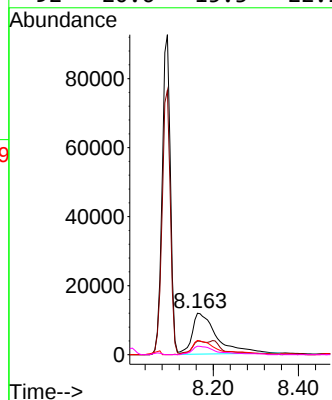
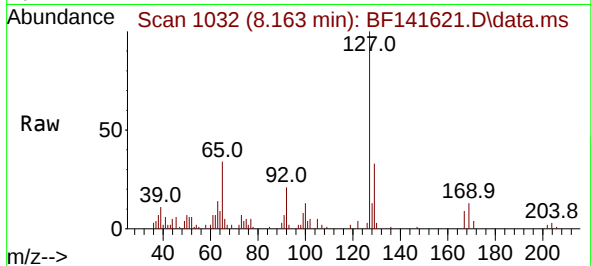




#33  
4-Chloroaniline  
Concen: 6.122 ng  
RT: 8.163 min Scan# 1030  
Delta R.T. 0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

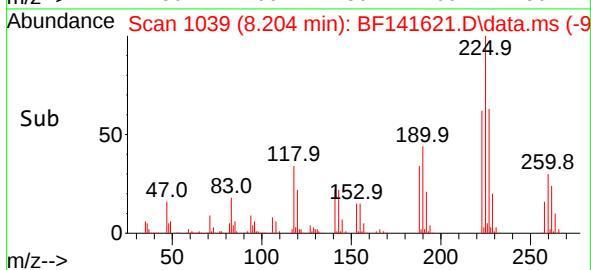
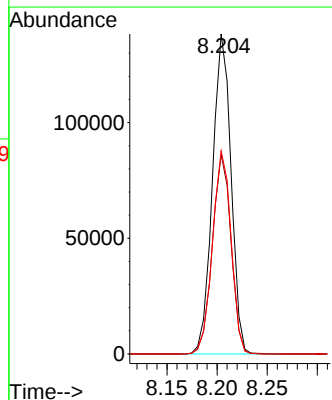
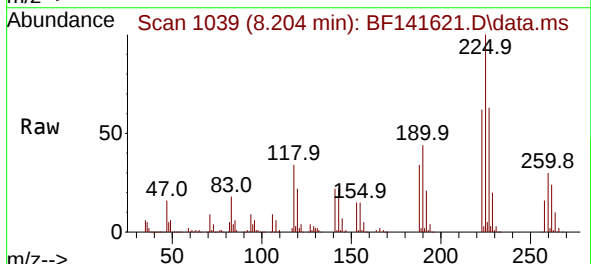
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

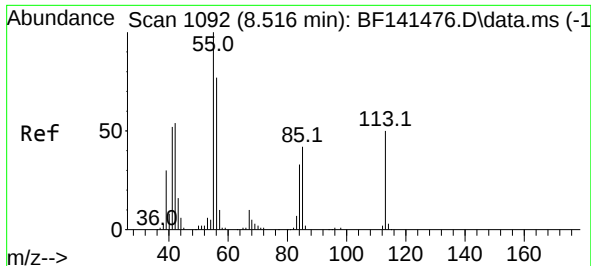
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 47809 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.7  | 26.5  | 39.7  |
| 65        | 34.5  | 26.4  | 39.6  |
| 92        | 20.6  | 15.3  | 22.9  |



#34  
Hexachlorobutadiene  
Concen: 43.102 ng  
RT: 8.204 min Scan# 1039  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 177773 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.3  | 50.1  | 75.1   |
| 227       | 63.5  | 51.0  | 76.6   |

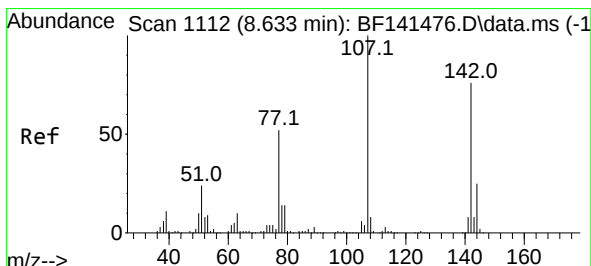
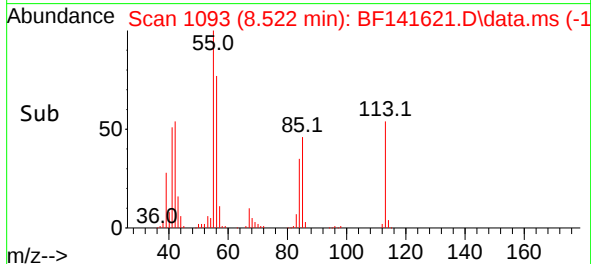
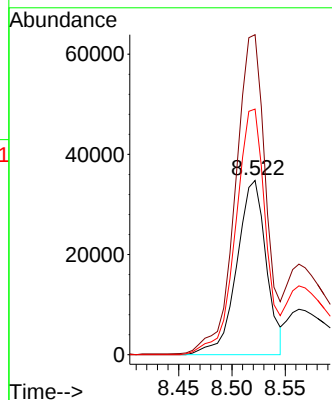
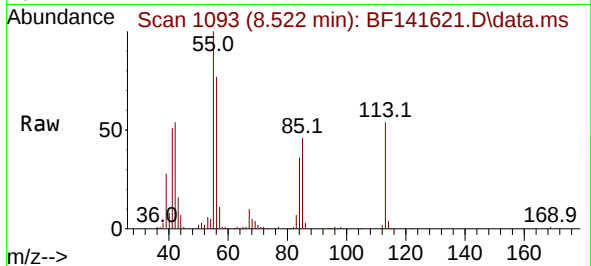




#35  
 Caprolactam  
 Concen: 34.875 ng  
 RT: 8.522 min Scan# 1109  
 Delta R.T. -0.023 min  
 Lab File: BF141621.D  
 Acq: 13 Feb 2025 18:08

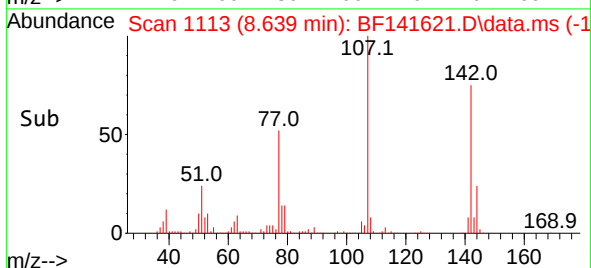
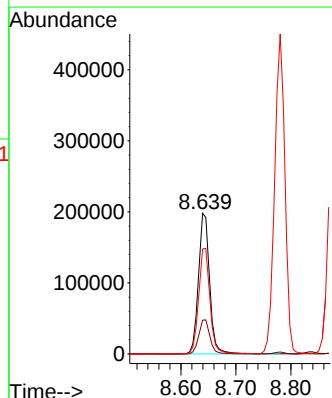
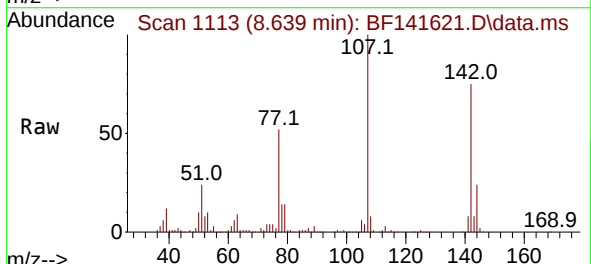
Instrument :  
 BNA\_F  
 ClientSampleId :  
 346MS

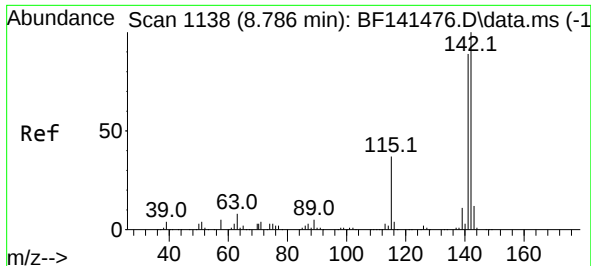
Tgt Ion:113 Resp: 66991  
 Ion Ratio Lower Upper  
 113 100  
 55 183.6 180.8 220.8  
 56 141.0 133.6 173.6



#36  
 4-Chloro-3-methylphenol  
 Concen: 40.255 ng  
 RT: 8.639 min Scan# 1113  
 Delta R.T. 0.000 min  
 Lab File: BF141621.D  
 Acq: 13 Feb 2025 18:08

Tgt Ion:107 Resp: 281319  
 Ion Ratio Lower Upper  
 107 100  
 144 24.0 19.7 29.5  
 142 74.6 60.8 91.2

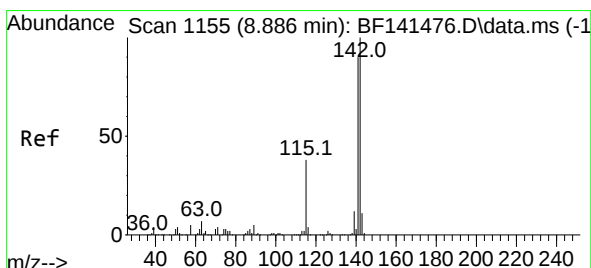
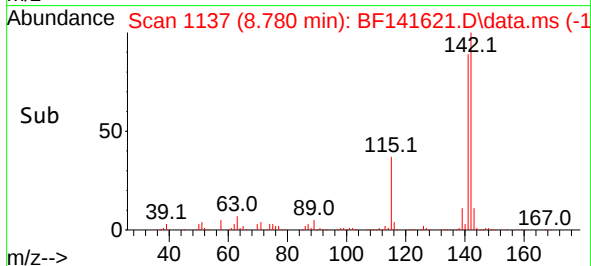
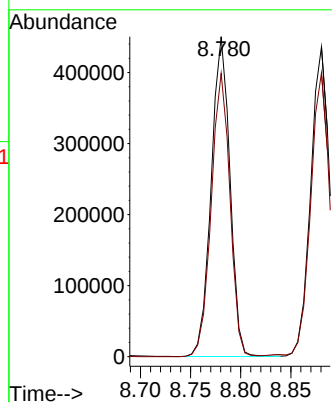
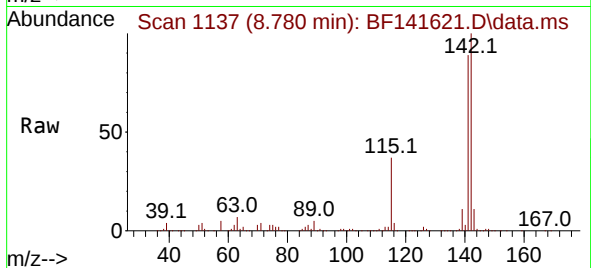




#37  
2-Methylnaphthalene  
Concen: 40.227 ng  
RT: 8.780 min Scan# 1138  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

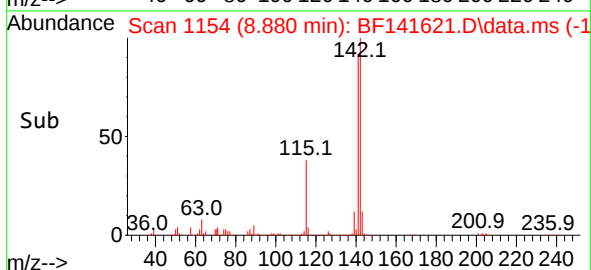
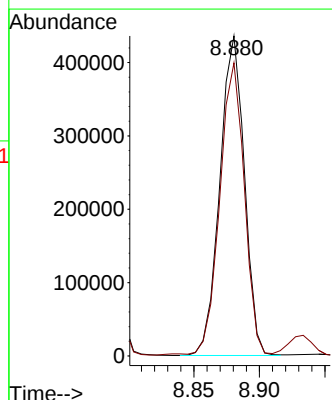
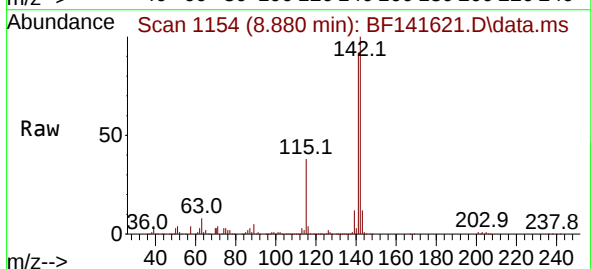
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

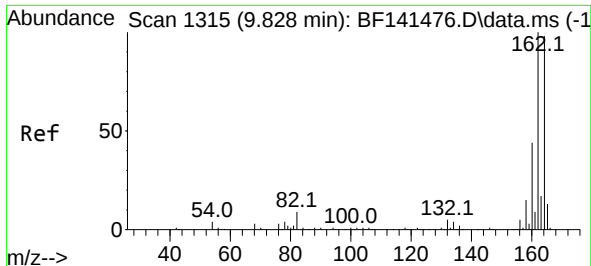
Tgt Ion:142 Resp: 585551  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.2 106.8



#38  
1-Methylnaphthalene  
Concen: 40.207 ng  
RT: 8.880 min Scan# 1154  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:142 Resp: 566834  
Ion Ratio Lower Upper  
142 100  
141 91.6 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

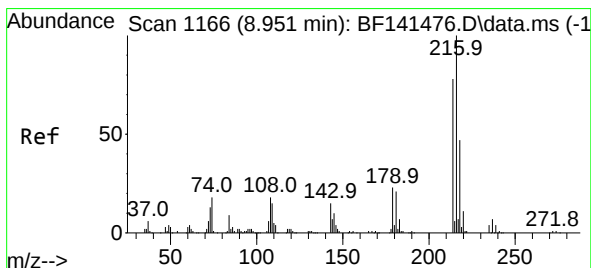
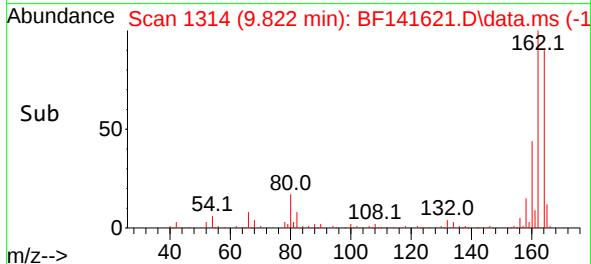
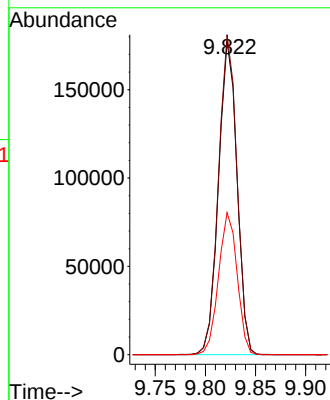
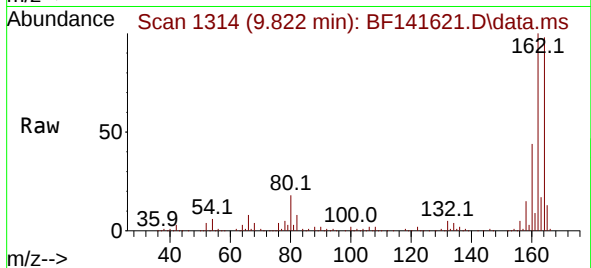
Tgt Ion:164 Resp: 227122

Ion Ratio Lower Upper

164 100

162 102.1 81.3 121.9

160 45.3 35.9 53.9



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.600 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Tgt Ion:216 Resp: 312775

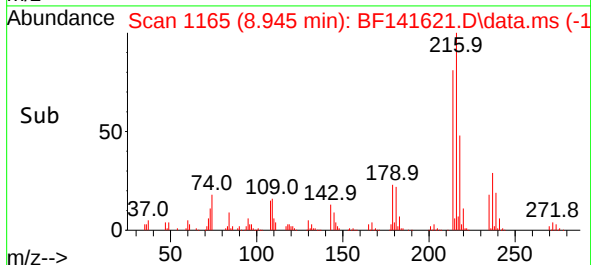
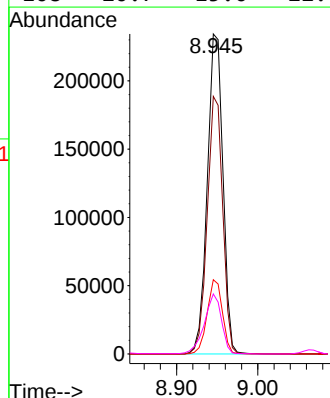
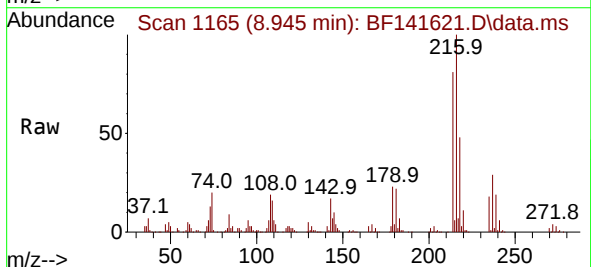
Ion Ratio Lower Upper

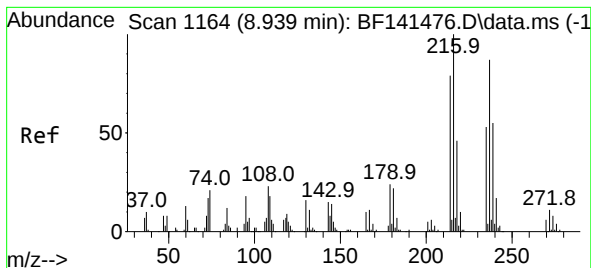
216 100

214 79.7 62.3 93.5

179 22.7 18.0 27.0

108 20.7 15.0 22.6





#41

Hexachlorocyclopentadiene

Concen: 135.561 ng

RT: 8.933 min Scan# 1164

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

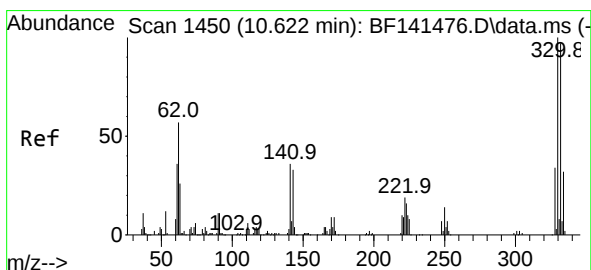
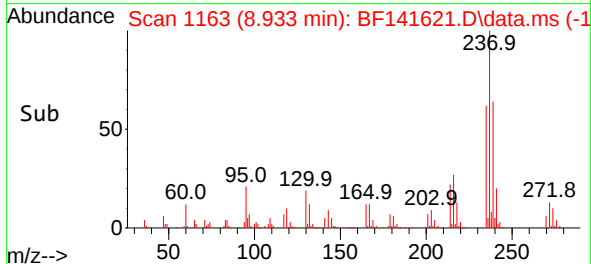
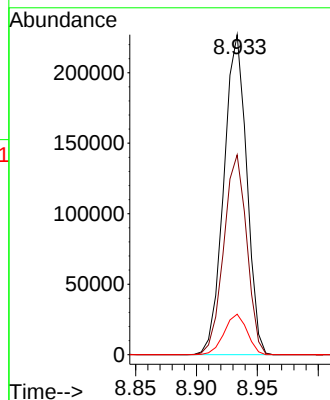
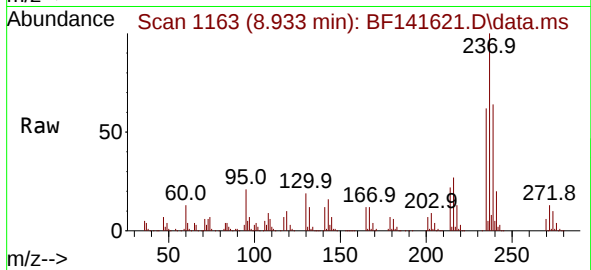
Tgt Ion:237 Resp: 296274

Ion Ratio Lower Upper

237 100

235 62.5 41.4 81.4

272 12.7 0.0 32.4



#42

2,4,6-Tribromophenol

Concen: 97.764 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

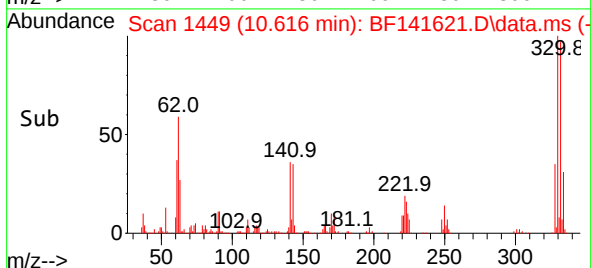
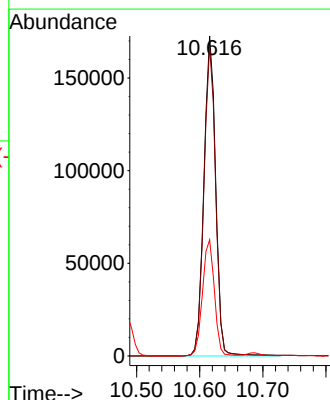
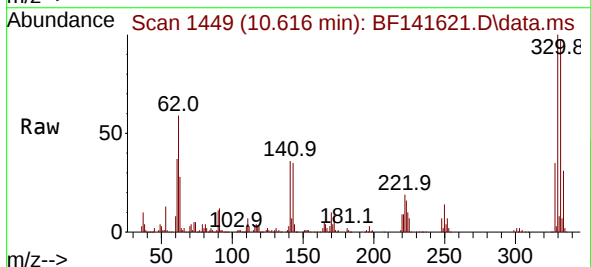
Tgt Ion:330 Resp: 223053

Ion Ratio Lower Upper

330 100

332 96.8 78.5 117.7

141 36.9 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 42.902 ng

RT: 9.063 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

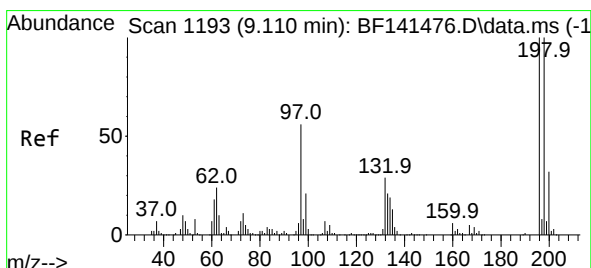
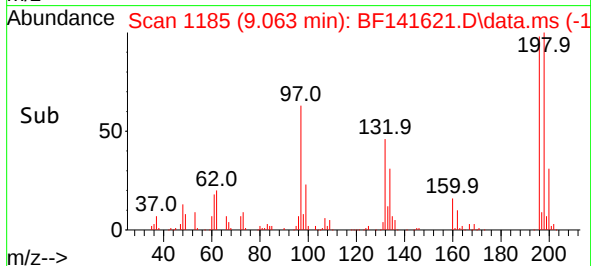
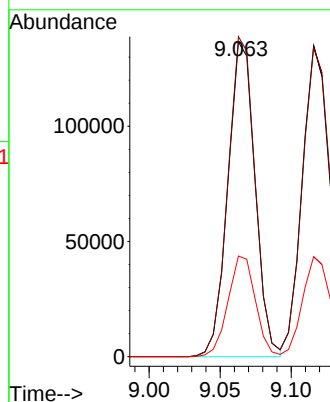
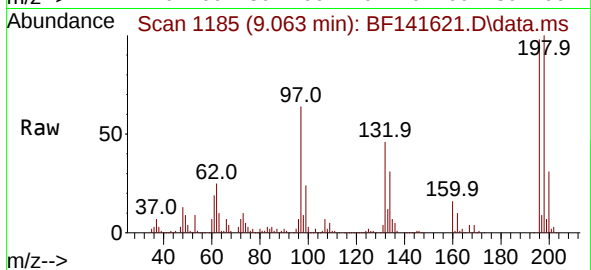
Tgt Ion:196 Resp: 182199

Ion Ratio Lower Upper

196 100

198 101.7 80.6 121.0

200 32.0 25.5 38.3



#44

2,4,5-Trichlorophenol

Concen: 41.523 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Tgt Ion:196 Resp: 191114

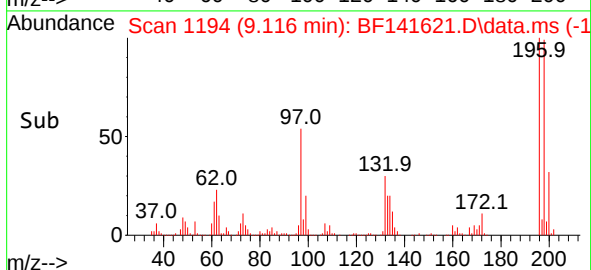
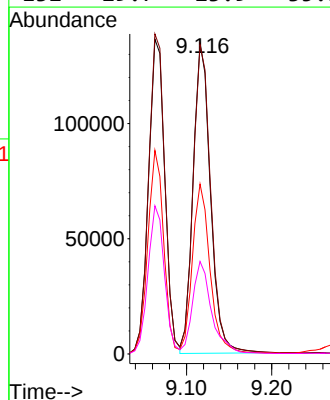
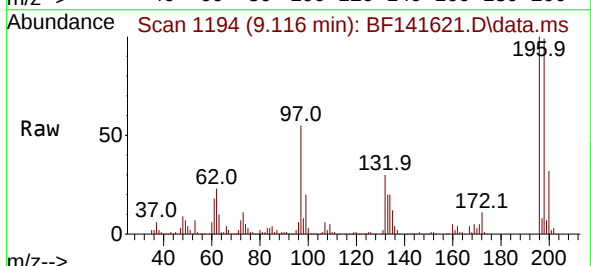
Ion Ratio Lower Upper

196 100

198 99.4 79.8 119.8

97 54.6 44.8 67.2

132 29.7 23.9 35.9

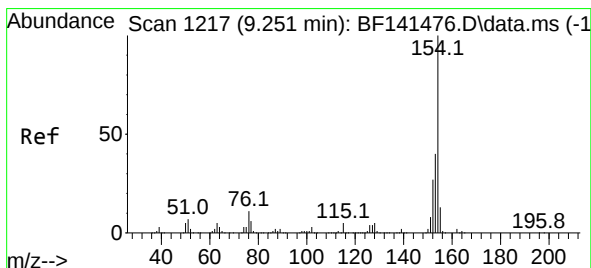
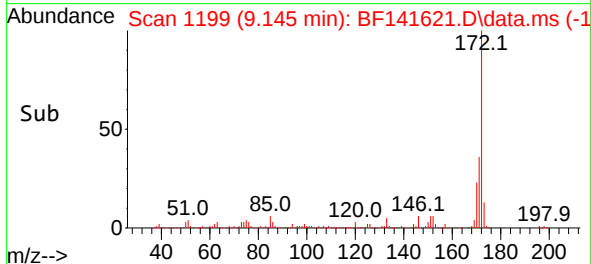
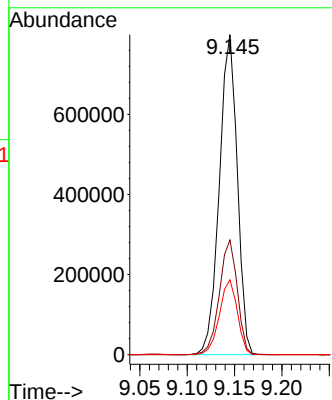
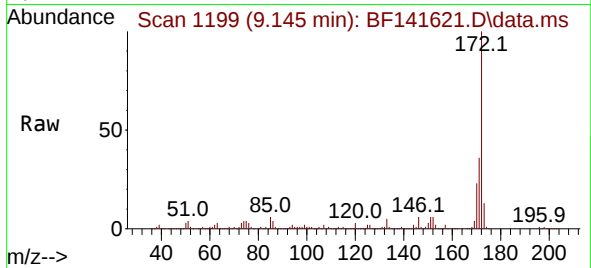




#45  
2-Fluorobiphenyl  
Concen: 71.513 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

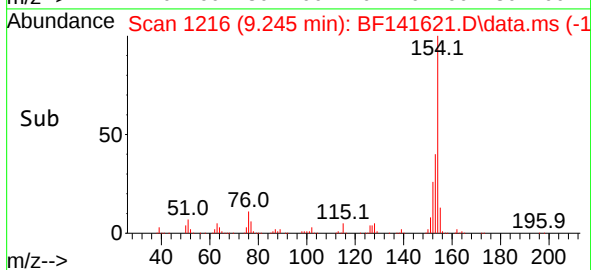
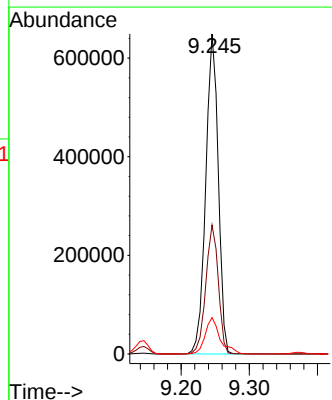
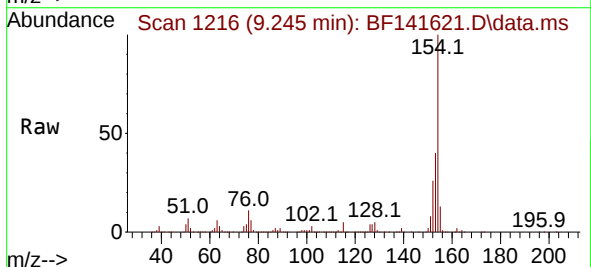
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

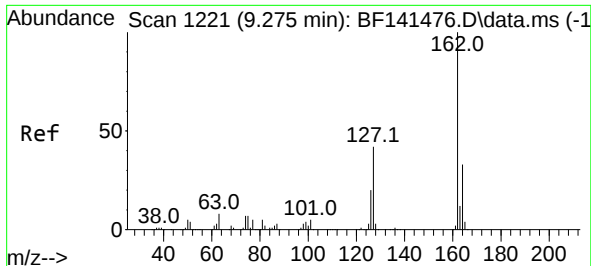
Tgt Ion:172 Resp: 1054241  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.7 43.1  
170 23.4 18.9 28.3



#46  
1,1'-Biphenyl  
Concen: 47.068 ng  
RT: 9.245 min Scan# 1216  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:154 Resp: 828781  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.4 60.4  
76 11.3 0.0 30.8





#47

2-Chloronaphthalene

Concen: 43.052 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

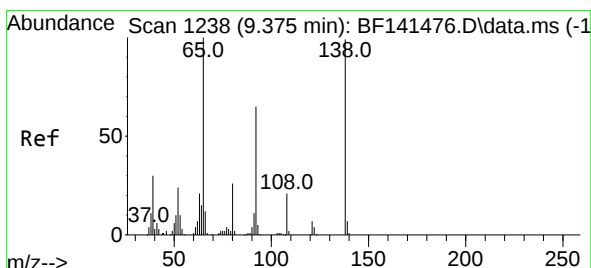
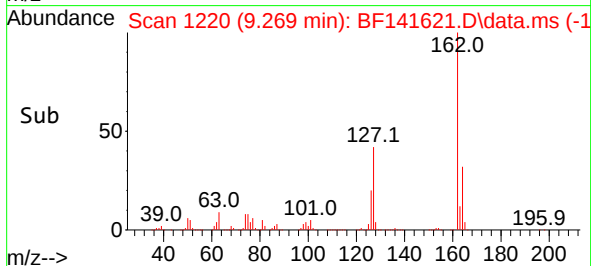
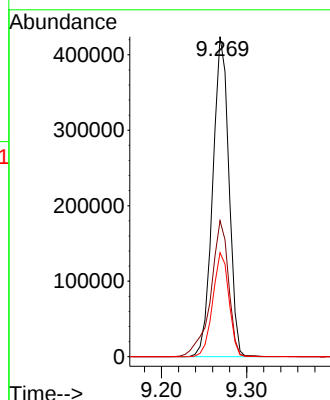
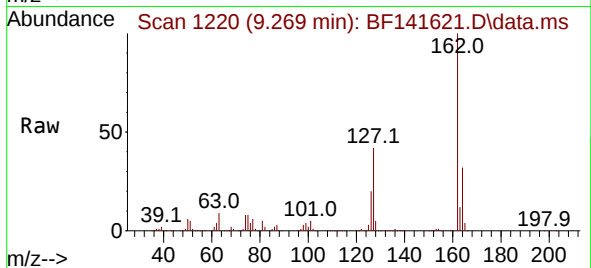
Tgt Ion:162 Resp: 560571

Ion Ratio Lower Upper

162 100

127 42.5 34.1 51.1

164 32.5 26.3 39.5



#48

2-Nitroaniline

Concen: 41.278 ng

RT: 9.375 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

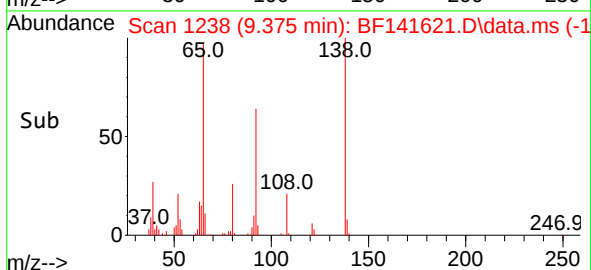
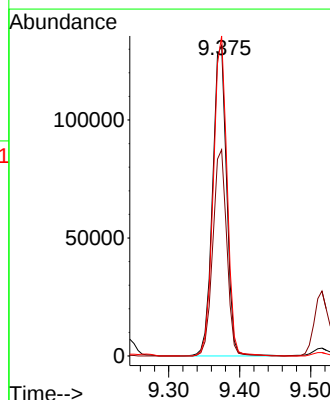
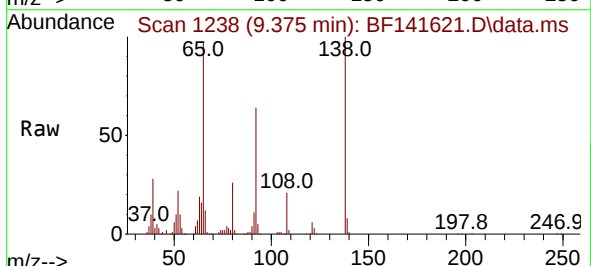
Tgt Ion: 65 Resp: 180377

Ion Ratio Lower Upper

65 100

92 66.4 52.2 78.2

138 103.0 79.5 119.3





#49

Acenaphthylene

Concen: 43.943 ng

RT: 9.686 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

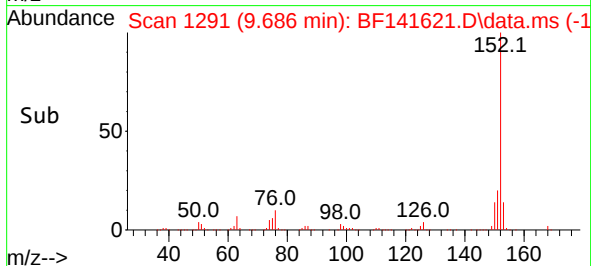
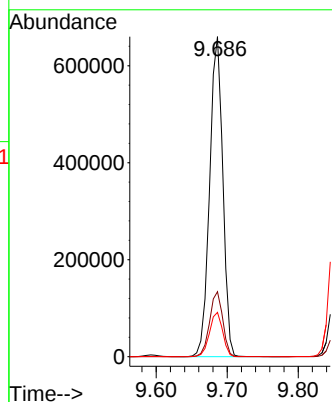
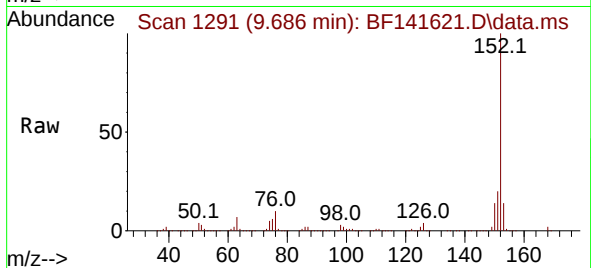
Tgt Ion:152 Resp: 851051

Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

153 13.9 10.9 16.3



#50

Dimethylphthalate

Concen: 43.811 ng

RT: 9.551 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

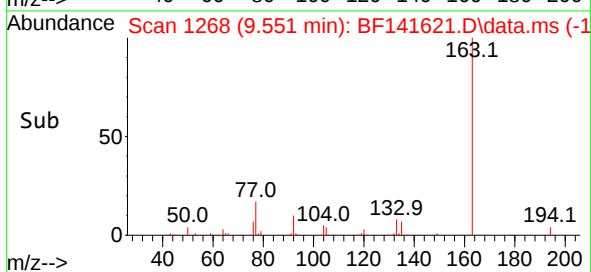
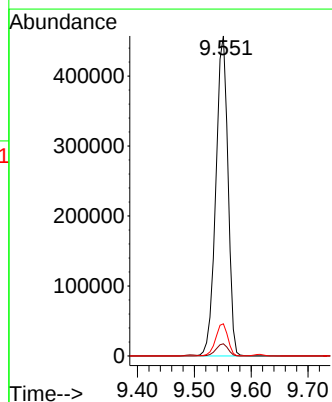
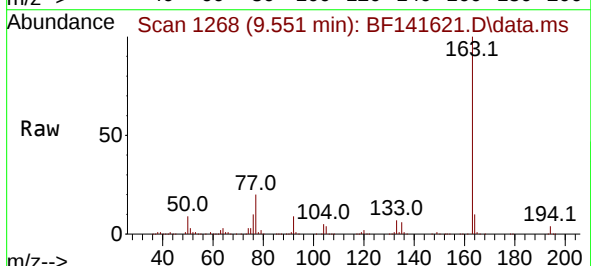
Tgt Ion:163 Resp: 675507

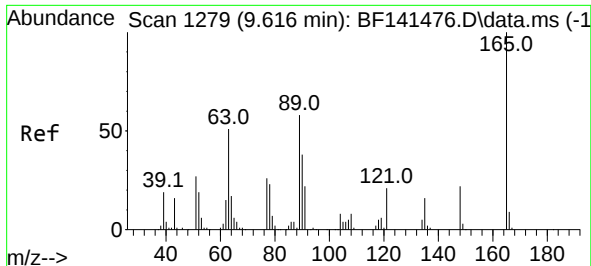
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

164 10.1 7.9 11.9

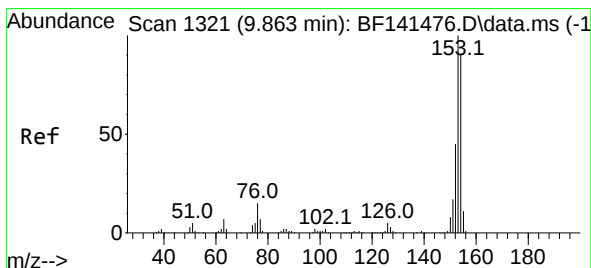
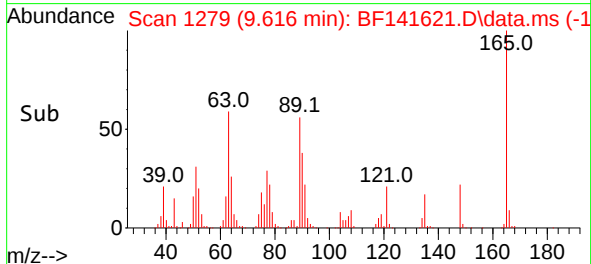
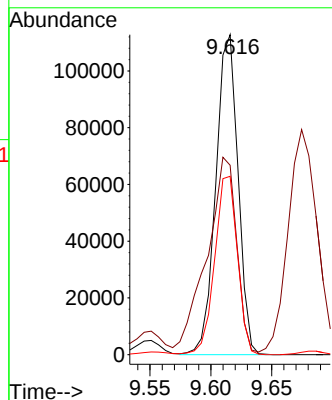
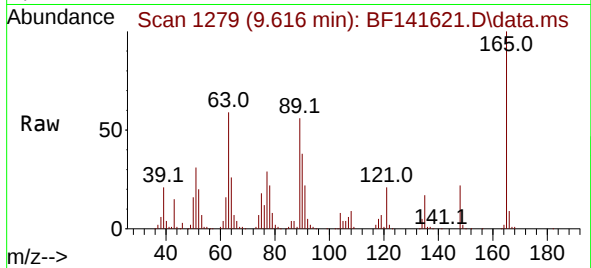




#51  
2,6-Dinitrotoluene  
Concen: 42.462 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

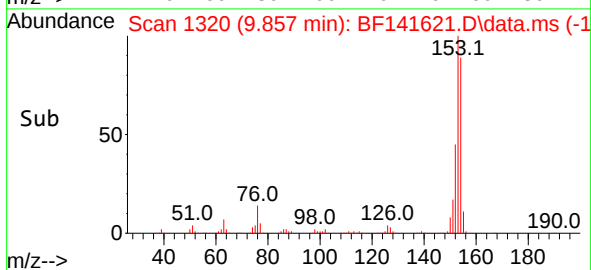
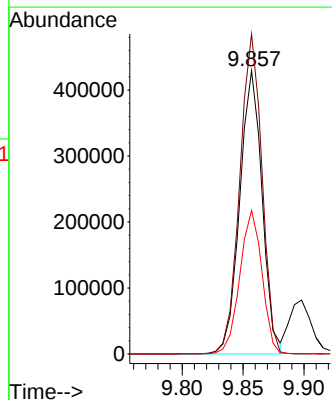
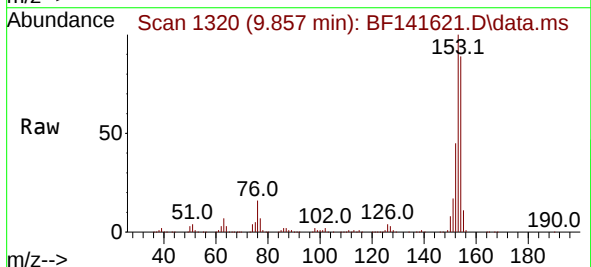
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

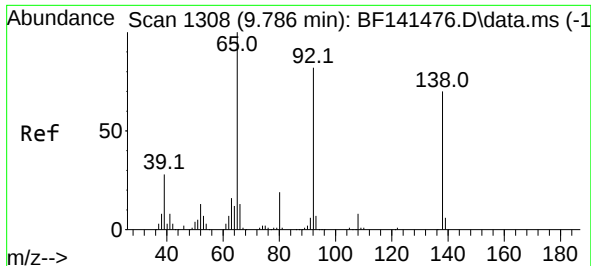
Tgt Ion:165 Resp: 143123  
Ion Ratio Lower Upper  
165 100  
63 59.2 49.4 74.0  
89 55.8 46.5 69.7



#52  
Acenaphthene  
Concen: 42.236 ng  
RT: 9.857 min Scan# 1320  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:154 Resp: 549920  
Ion Ratio Lower Upper  
154 100  
153 113.0 89.2 133.8  
152 50.7 39.8 59.8

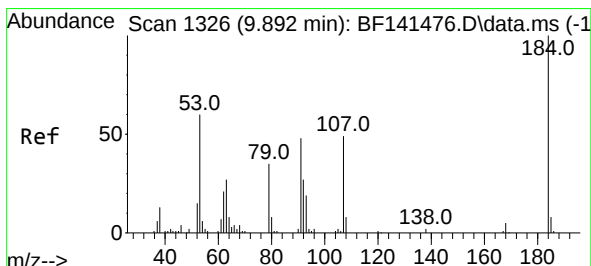
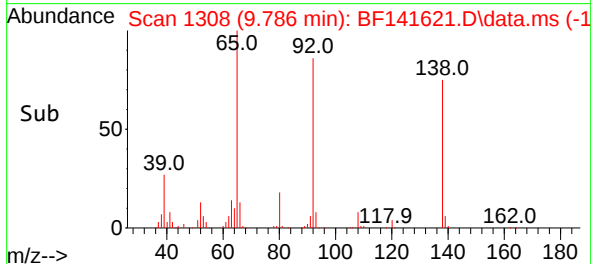
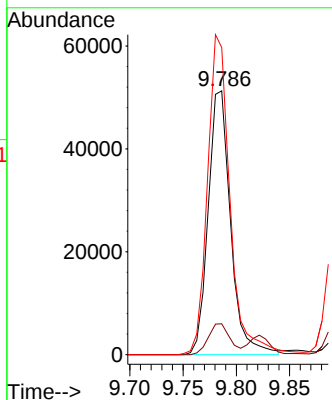
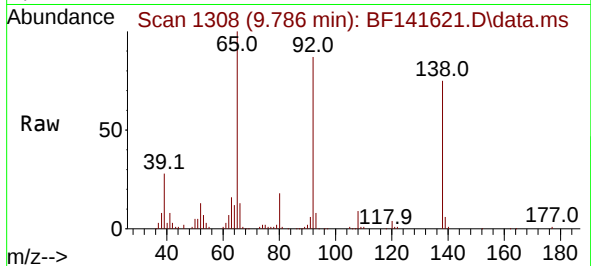




#53  
3-Nitroaniline  
Concen: 20.730 ng  
RT: 9.786 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

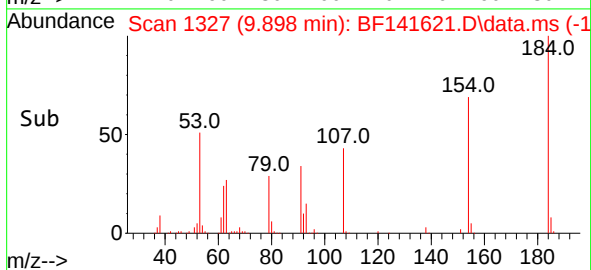
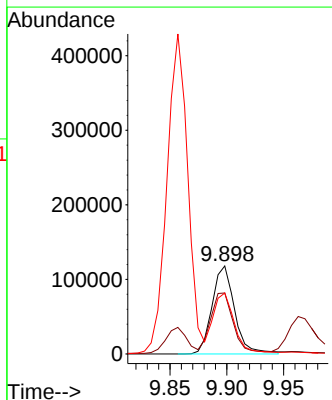
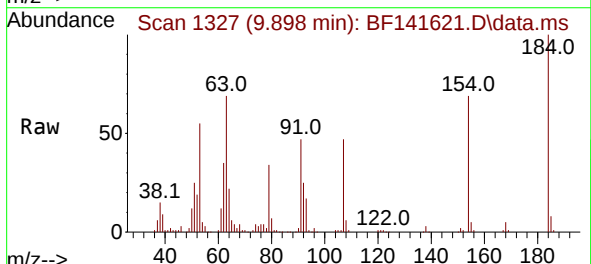
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

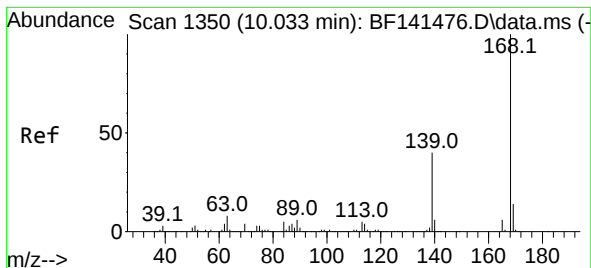
Tgt Ion:138 Resp: 75206  
Ion Ratio Lower Upper  
138 100  
108 11.7 9.0 13.4  
92 116.5 93.7 140.5



#54  
2,4-Dinitrophenol  
Concen: 81.378 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:184 Resp: 163021  
Ion Ratio Lower Upper  
184 100  
63 69.2 61.0 91.6  
154 69.3 59.9 89.9

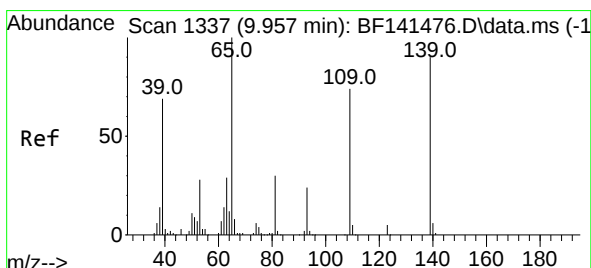
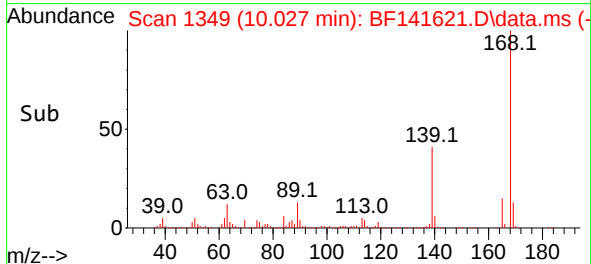
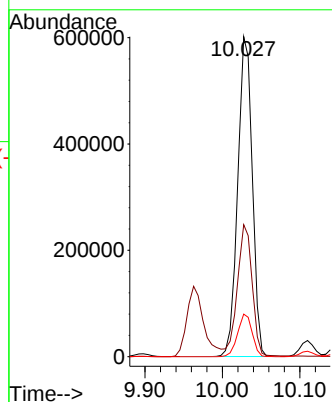
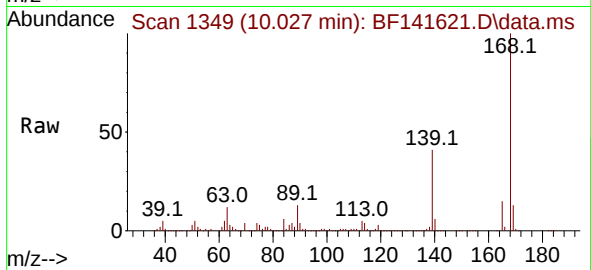




#55  
Dibenzofuran  
Concen: 41.185 ng  
RT: 10.027 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

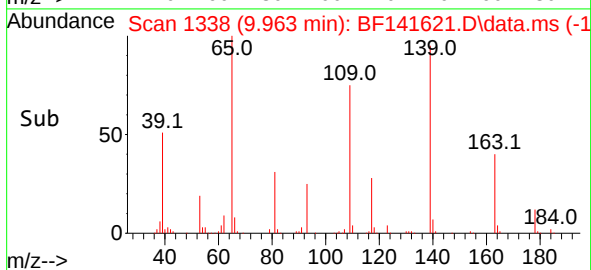
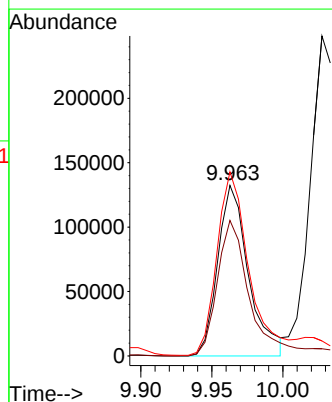
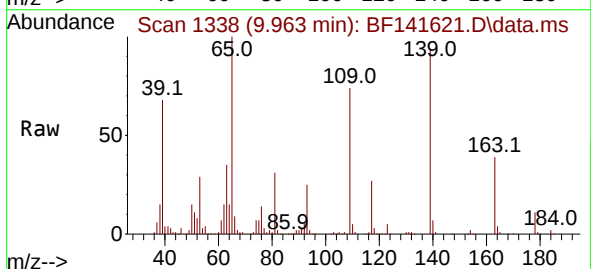
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

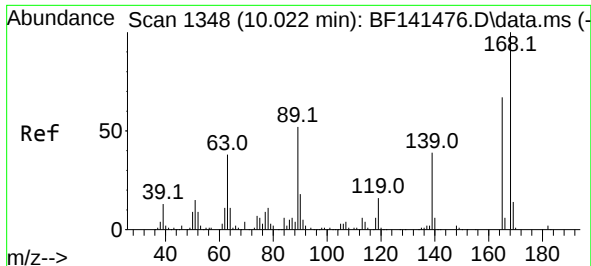
Tgt Ion:168 Resp: 787107  
Ion Ratio Lower Upper  
168 100  
139 41.3 32.7 49.1  
169 13.3 10.8 16.2



#56  
4-Nitrophenol  
Concen: 74.285 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:139 Resp: 200053  
Ion Ratio Lower Upper  
139 100  
109 79.5 62.0 102.0  
65 108.0 91.2 131.2

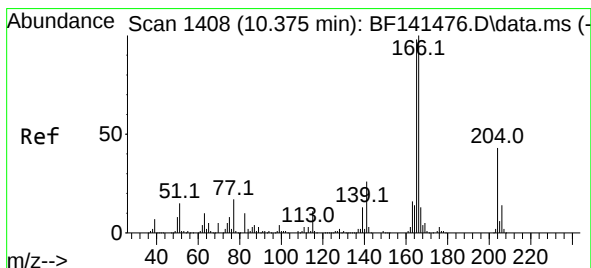
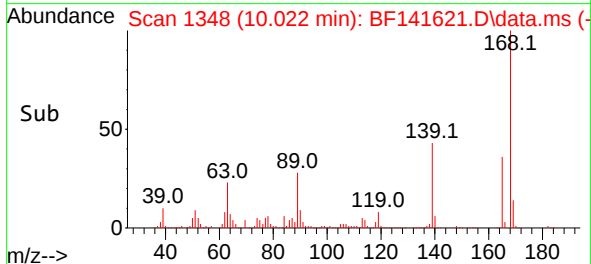
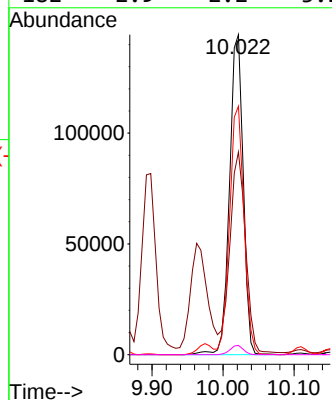
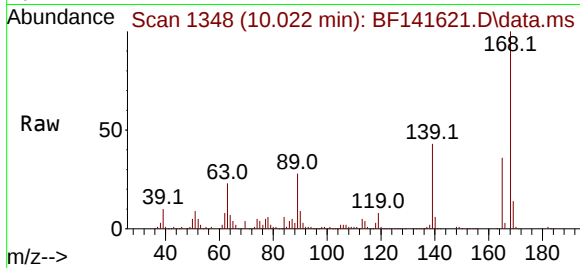




#57  
2,4-Dinitrotoluene  
Concen: 43.013 ng  
RT: 10.022 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

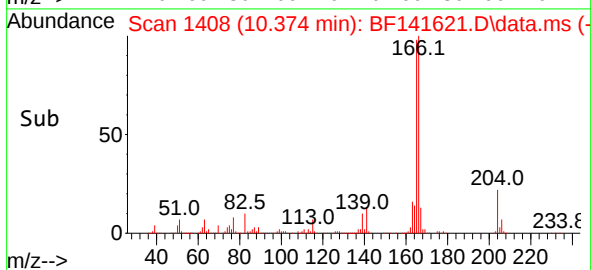
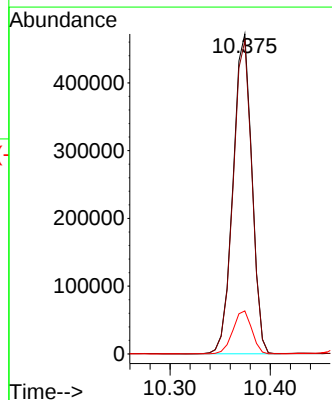
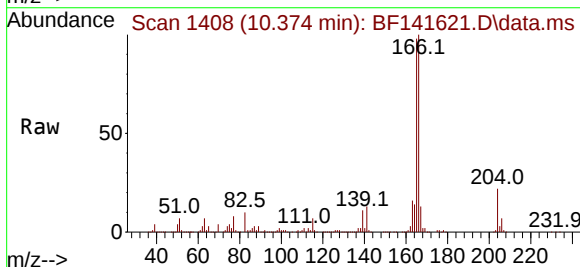
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion:165 Resp: 193006  
Ion Ratio Lower Upper  
165 100  
63 63.4 46.4 69.6  
89 77.7 61.8 92.6  
182 2.9 2.2 3.2



#58  
Fluorene  
Concen: 41.680 ng  
RT: 10.374 min Scan# 1408  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:166 Resp: 615901  
Ion Ratio Lower Upper  
166 100  
165 97.9 78.2 117.2  
167 13.5 10.7 16.1





#59

2,3,4,6-Tetrachlorophenol

Concen: 40.011 ng

RT: 10.151 min Scan# 1371

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

Tgt Ion:232 Resp: 158545

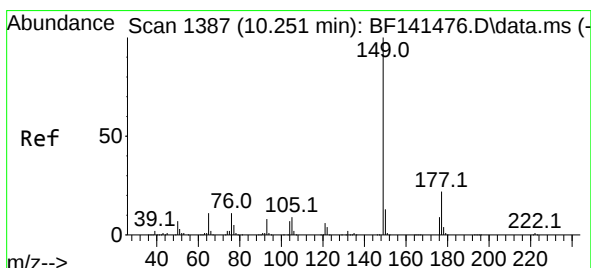
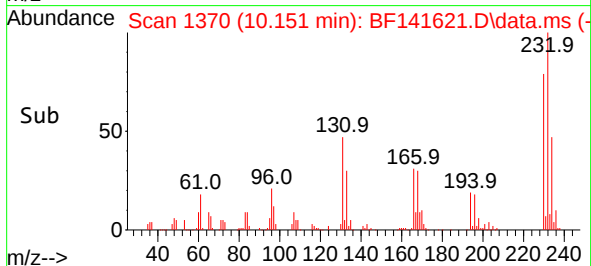
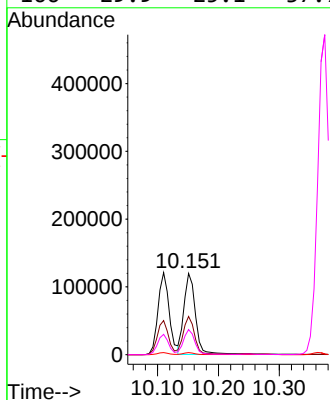
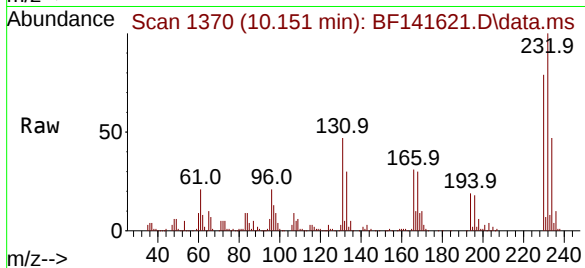
Ion Ratio Lower Upper

232 100

131 45.8 39.2 58.8

130 2.3 2.1 3.1

166 29.9 25.1 37.7



#60

Diethylphthalate

Concen: 42.331 ng

RT: 10.245 min Scan# 1386

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

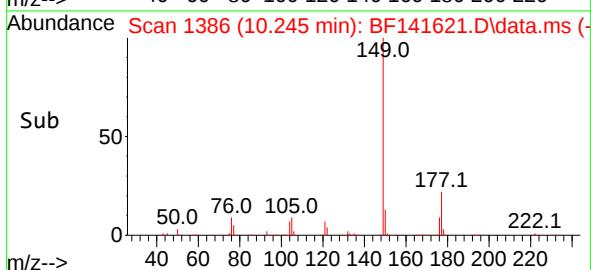
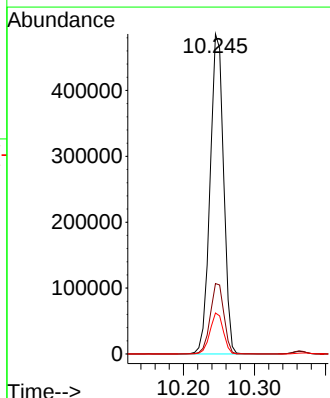
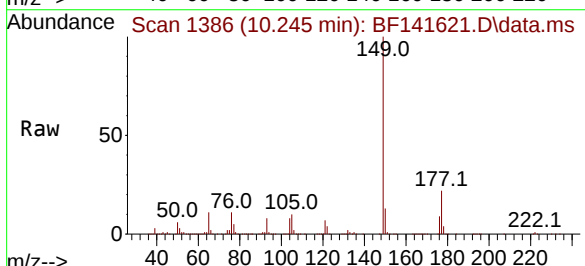
Tgt Ion:149 Resp: 642172

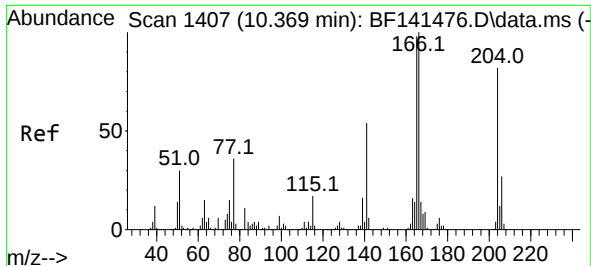
Ion Ratio Lower Upper

149 100

177 22.0 17.8 26.6

150 12.8 10.1 15.1

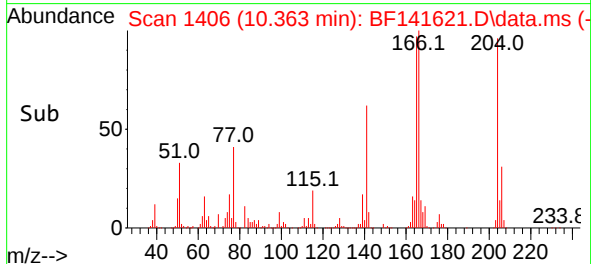
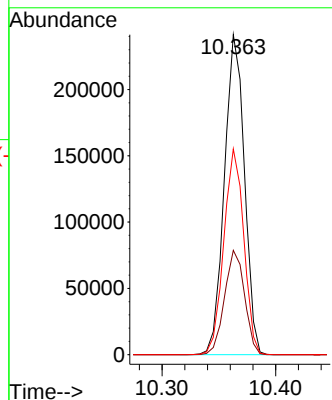
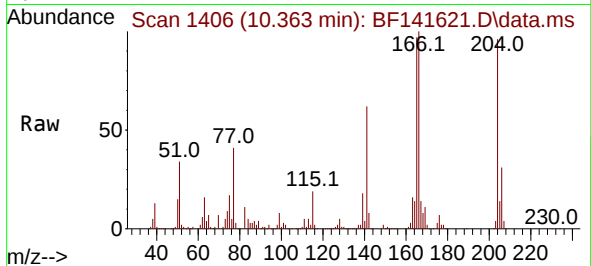




#61  
4-Chlorophenyl-phenylether  
Concen: 41.645 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

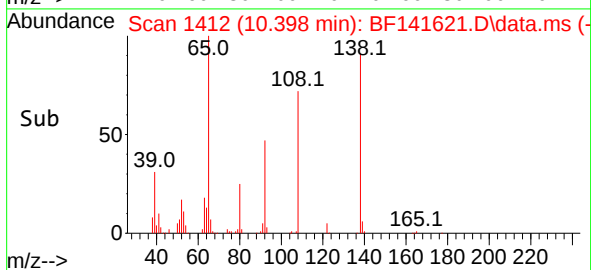
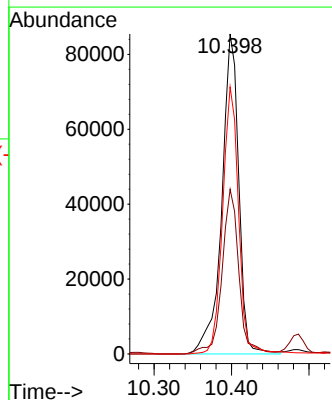
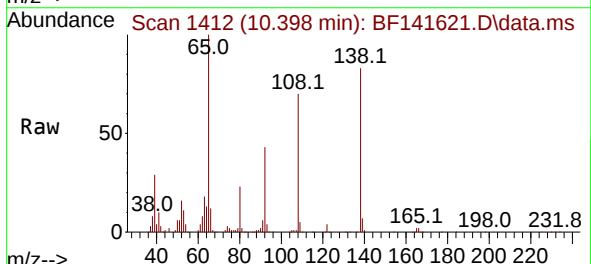
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

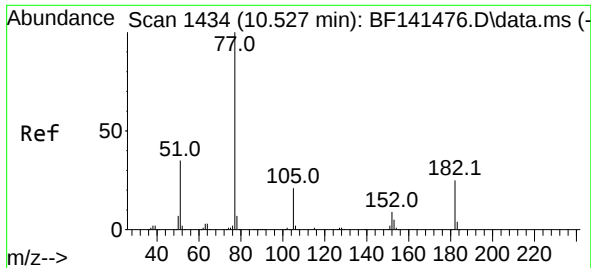
Tgt Ion:204 Resp: 296050  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 40.0  
141 64.3 51.9 77.9



#62  
4-Nitroaniline  
Concen: 35.341 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.018 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:138 Resp: 130186  
Ion Ratio Lower Upper  
138 100  
92 51.5 31.3 71.3  
108 83.5 63.7 103.7

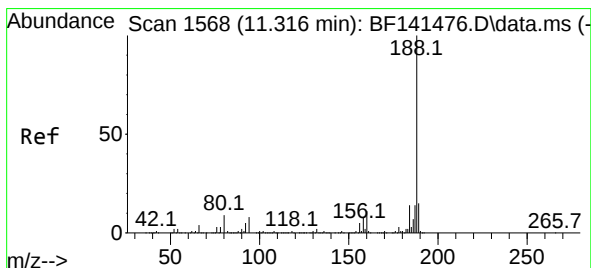
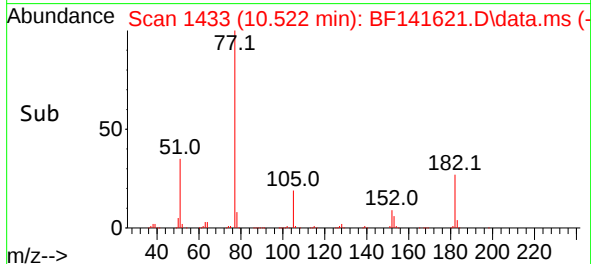
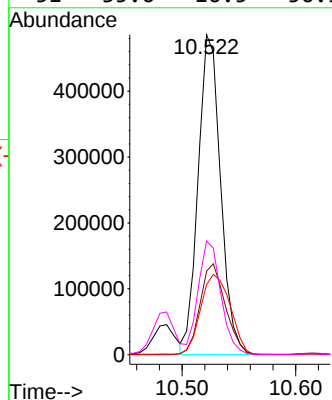
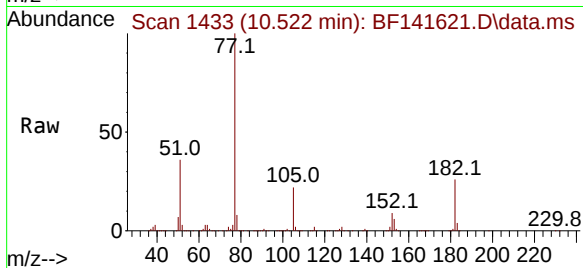




#63  
Azobenzene  
Concen: 44.113 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

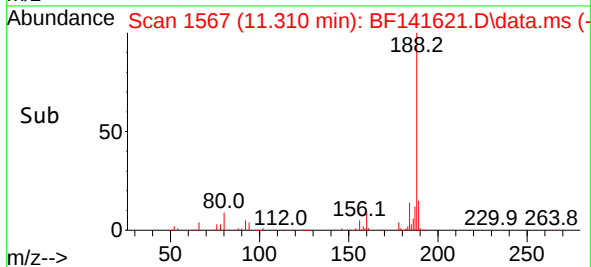
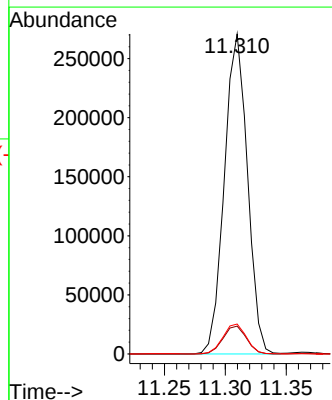
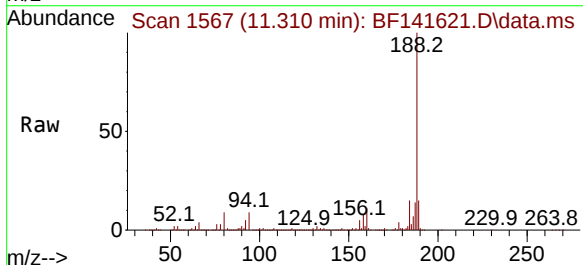
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion: 77 Resp: 665279  
Ion Ratio Lower Upper  
77 100  
182 26.1 4.7 44.7  
105 21.9 0.4 40.4  
51 35.6 16.5 56.5



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1567  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion: 188 Resp: 357134  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.6 10.0  
80 9.4 7.3 10.9

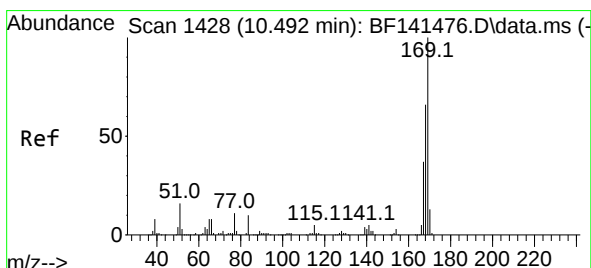
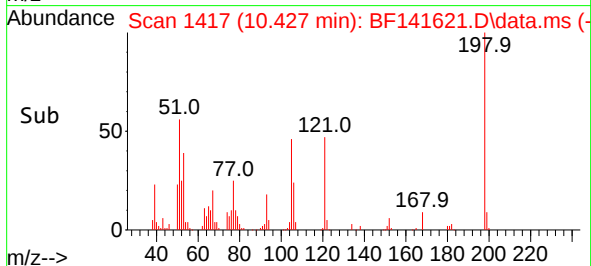
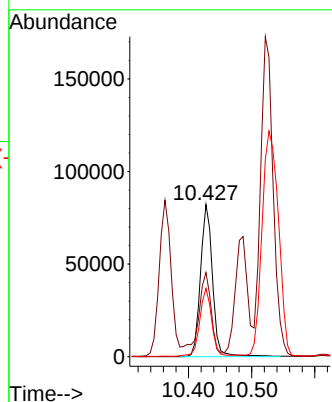
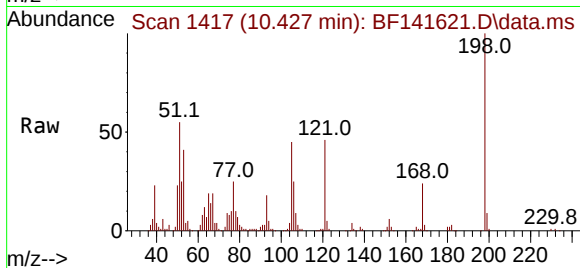




#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.944 ng  
RT: 10.427 min Scan# 1417  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

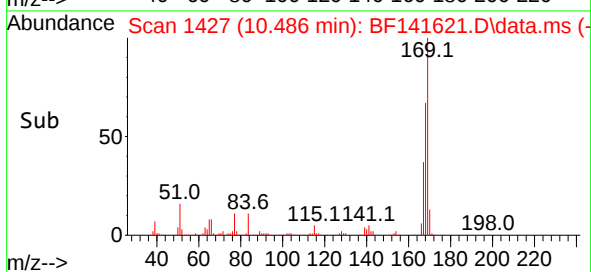
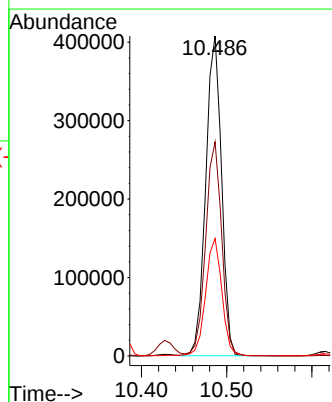
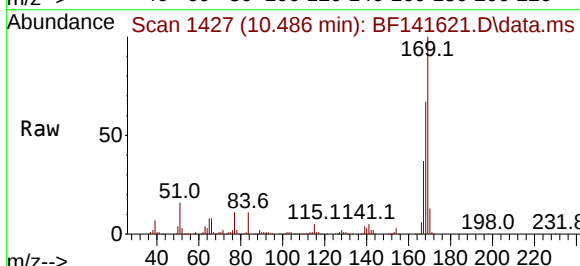
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion:198 Resp: 109017  
Ion Ratio Lower Upper  
198 100  
51 55.3 37.4 77.4  
105 44.9 25.2 65.2



#66  
n-Nitrosodiphenylamine  
Concen: 45.809 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:169 Resp: 523700  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.3 79.9  
167 36.7 29.4 44.2

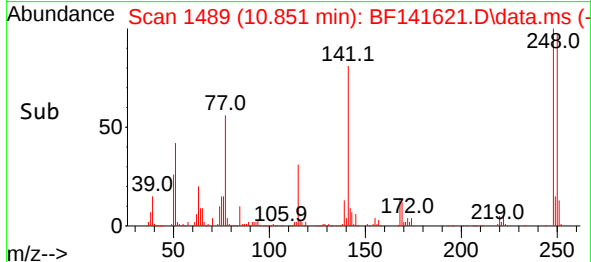
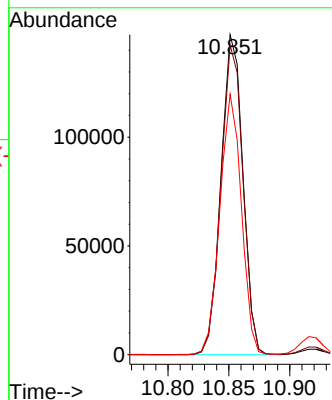
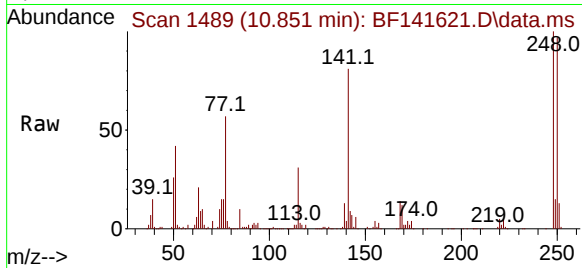




#67  
4-Bromophenyl-phenylether  
Concen: 46.272 ng  
RT: 10.851 min Scan# 1491  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

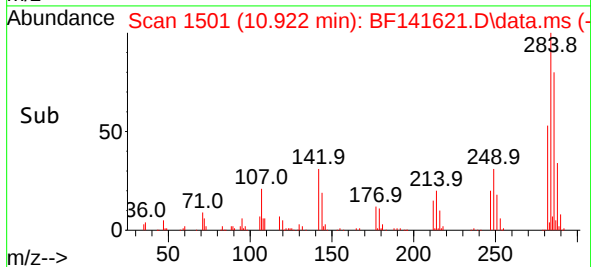
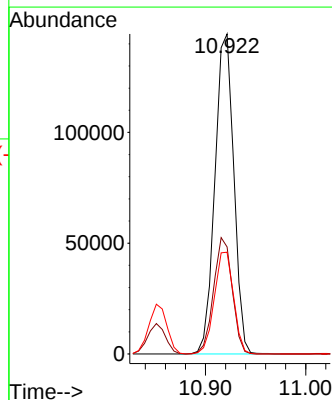
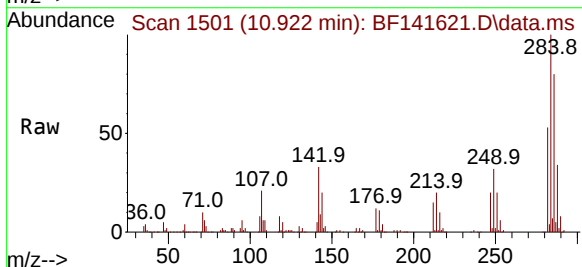
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

Tgt Ion:248 Resp: 184690  
Ion Ratio Lower Upper  
248 100  
250 96.8 77.8 116.6  
141 81.4 60.6 90.8



#68  
Hexachlorobenzene  
Concen: 45.944 ng  
RT: 10.922 min Scan# 1501  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:284 Resp: 188834  
Ion Ratio Lower Upper  
284 100  
142 33.5 28.0 42.0  
249 31.8 25.8 38.8





#69

Atrazine

Concen: 55.457 ng

RT: 11.016 min Scan# 1517

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

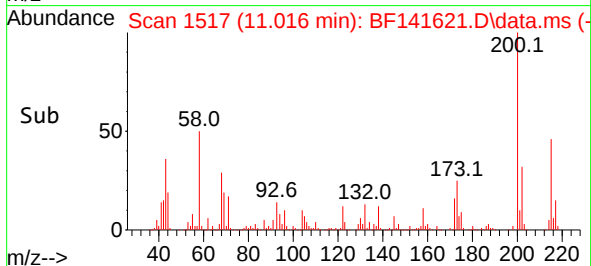
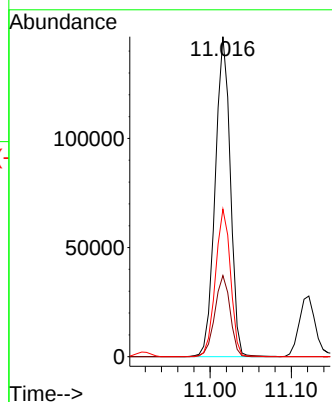
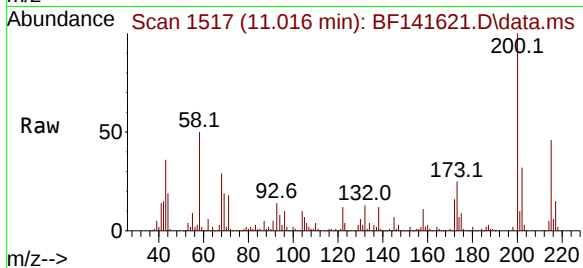
Tgt Ion:200 Resp: 190200

Ion Ratio Lower Upper

200 100

173 25.4 5.9 45.9

215 46.1 25.9 65.9



#70

Pentachlorophenol

Concen: 77.675 ng

RT: 11.122 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

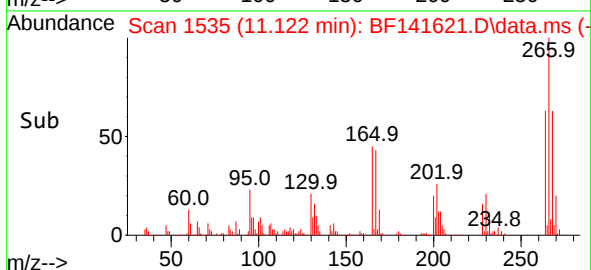
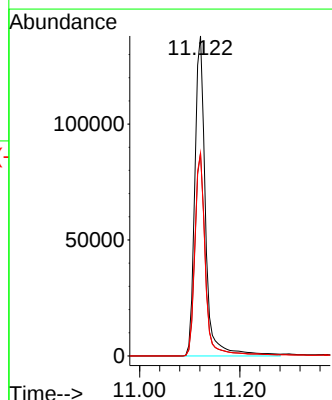
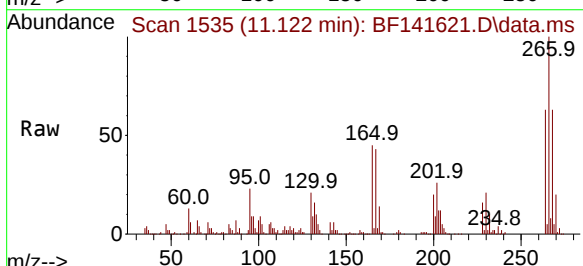
Tgt Ion:266 Resp: 204137

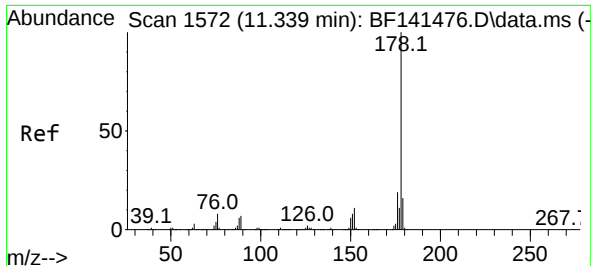
Ion Ratio Lower Upper

266 100

268 63.4 50.1 75.1

264 63.4 50.1 75.1

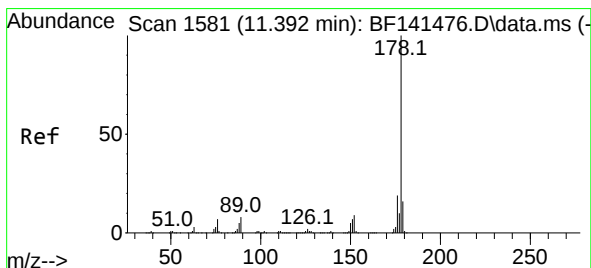
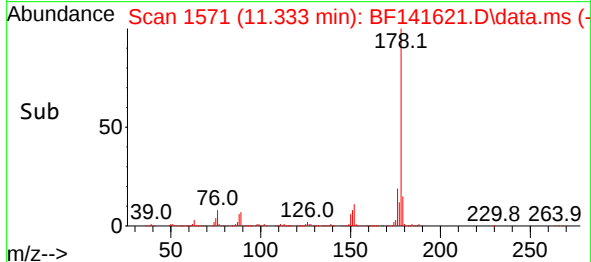
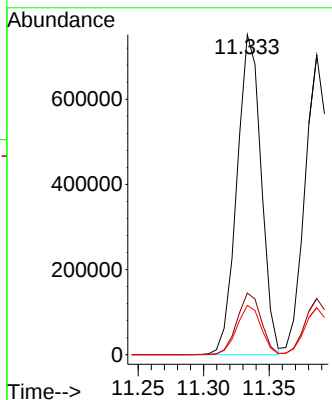
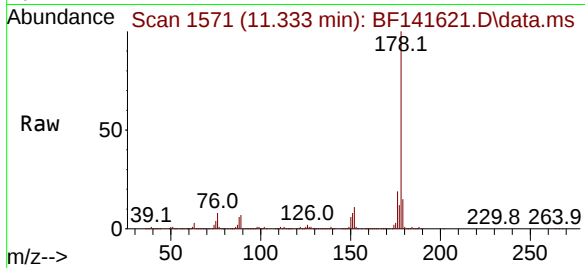




#71  
Phenanthrene  
Concen: 49.152 ng  
RT: 11.333 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

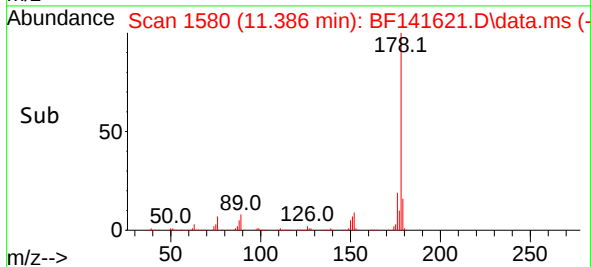
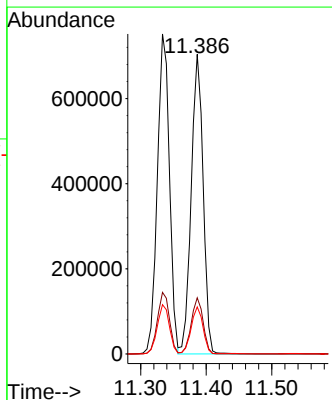
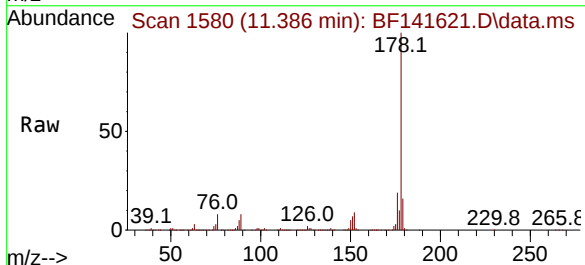
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

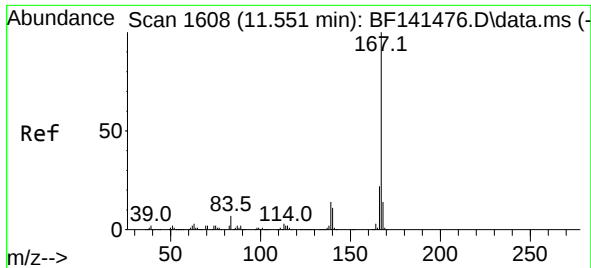
Tgt Ion:178 Resp: 966264  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.4 23.0  
179 15.4 12.4 18.6



#72  
Anthracene  
Concen: 45.028 ng  
RT: 11.386 min Scan# 1580  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:178 Resp: 889828  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.8 22.2  
179 15.7 12.4 18.6

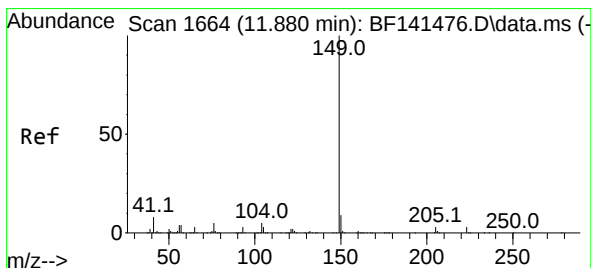
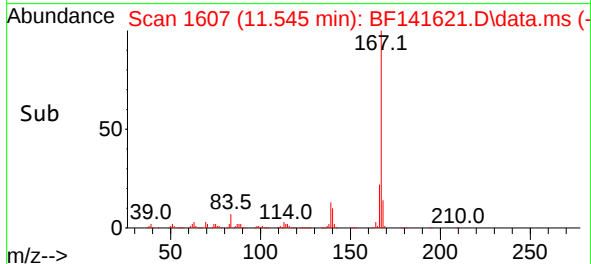
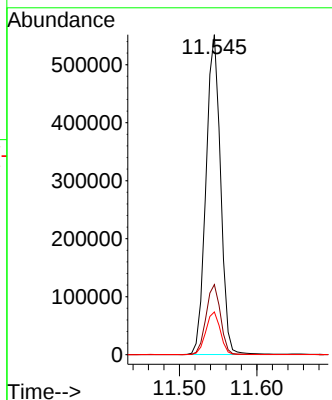
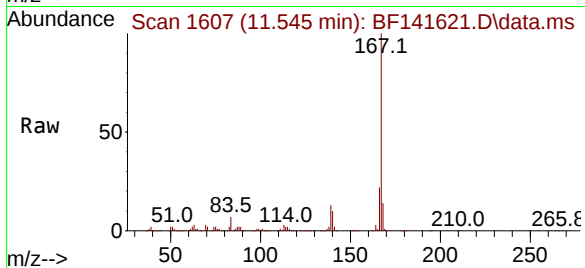




#73  
Carbazole  
Concen: 40.409 ng  
RT: 11.545 min Scan# 1607  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

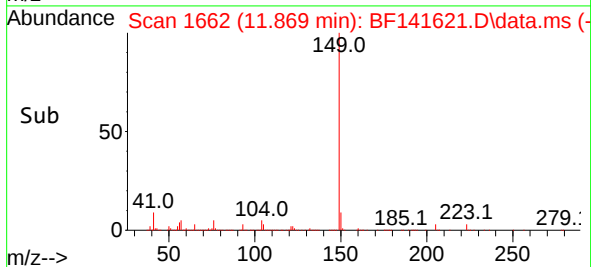
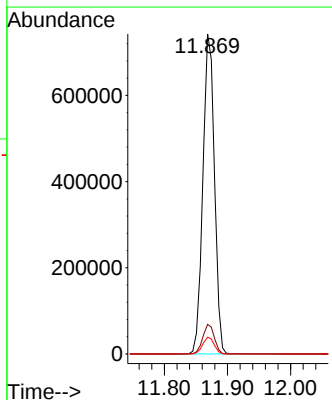
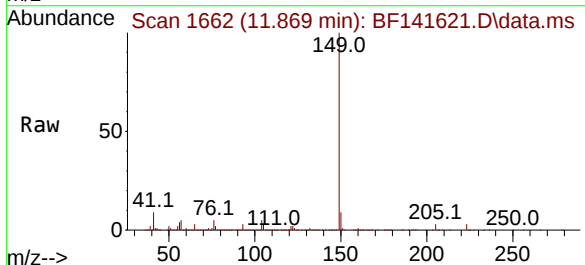
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

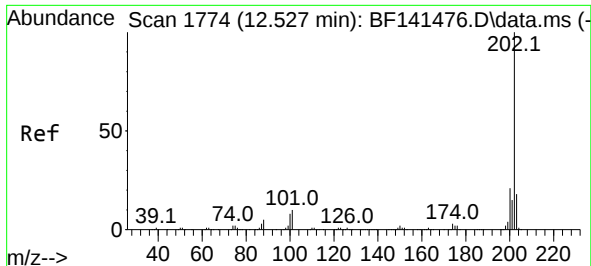
Tgt Ion:167 Resp: 718529  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.4 26.2  
139 13.4 10.9 16.3



#74  
Di-n-butylphthalate  
Concen: 46.179 ng  
RT: 11.869 min Scan# 1662  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:149 Resp: 948131  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.4 11.0  
104 5.3 4.2 6.2

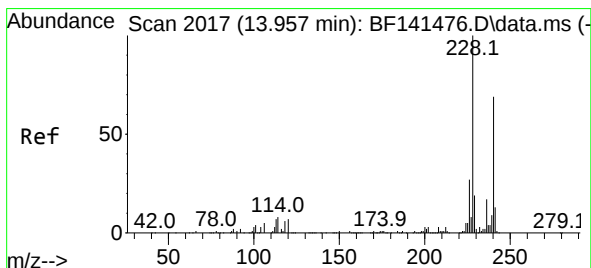
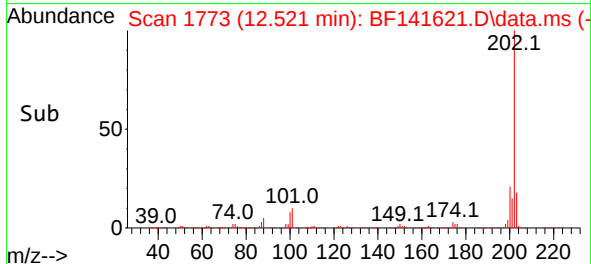
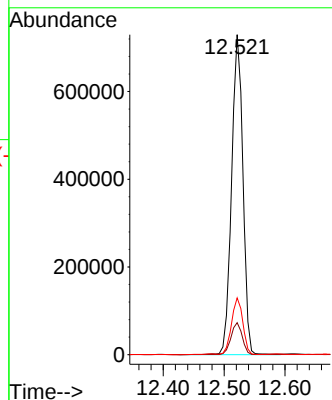
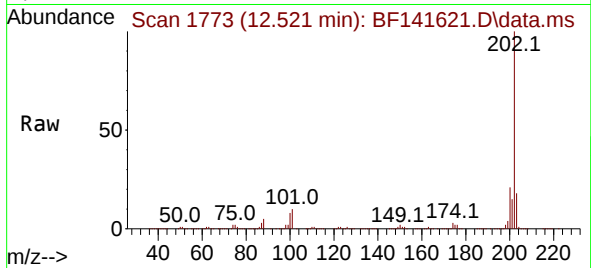




#75  
Fluoranthene  
Concen: 45.220 ng  
RT: 12.521 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

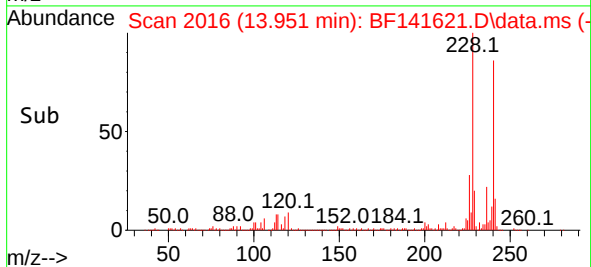
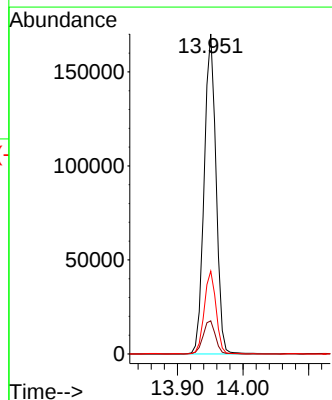
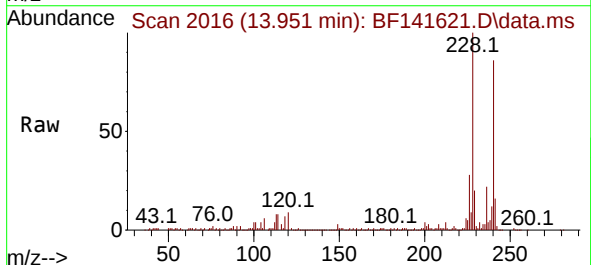
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

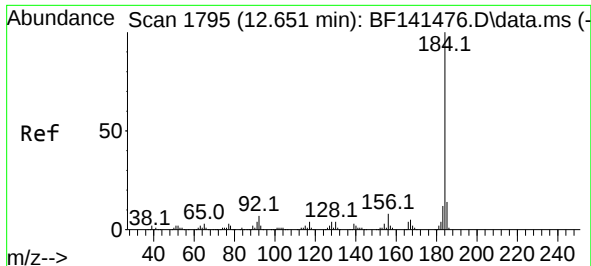
Tgt Ion:202 Resp: 942468  
Ion Ratio Lower Upper  
202 100  
101 10.0 0.0 30.2  
203 17.8 0.0 37.6



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:240 Resp: 214860  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.0 12.0  
236 25.9 19.8 29.8

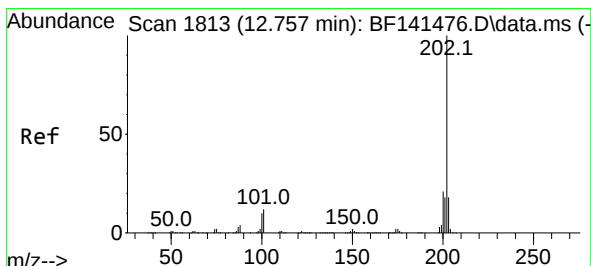
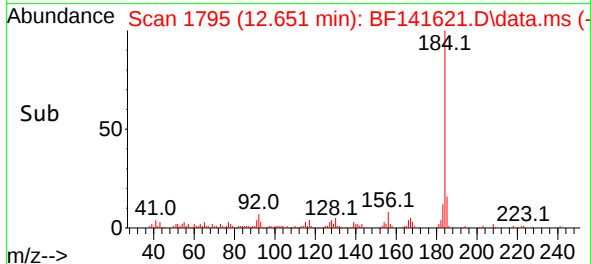
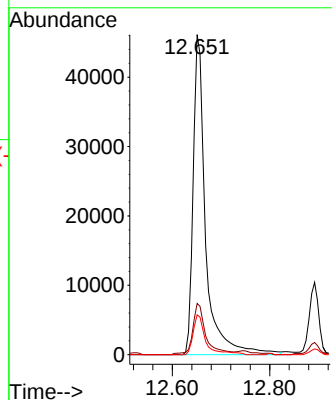
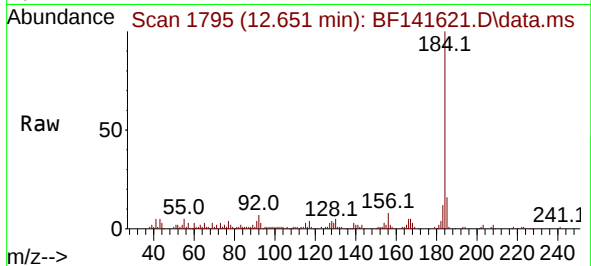




#77  
Benzidine  
Concen: 17.330 ng  
RT: 12.651 min Scan# 1795  
Delta R.T. -0.006 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

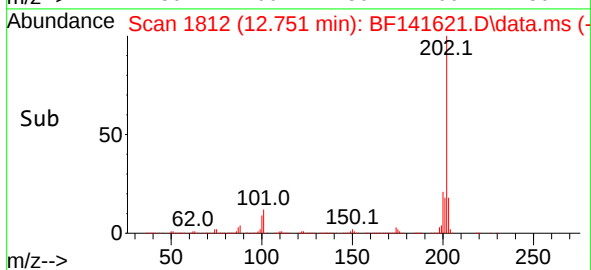
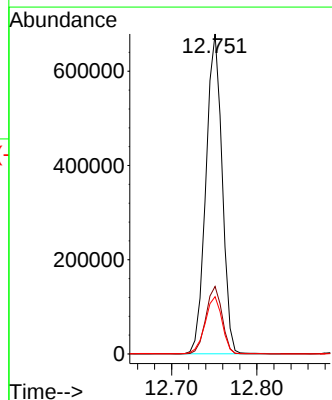
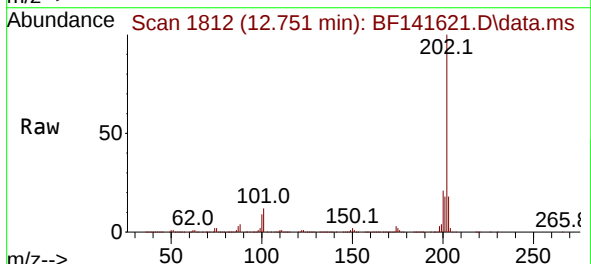
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

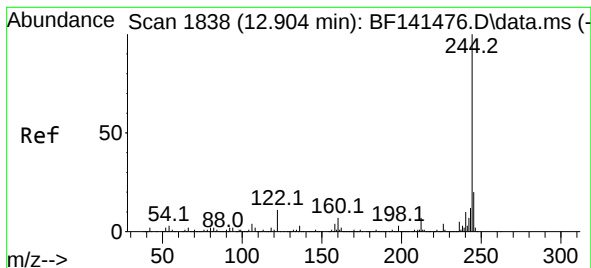
Tgt Ion:184 Resp: 82119  
Ion Ratio Lower Upper  
184 100  
185 16.0 11.3 16.9  
183 12.4 9.3 13.9



#78  
Pyrene  
Concen: 48.876 ng  
RT: 12.751 min Scan# 1812  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:202 Resp: 893955  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.0 25.4  
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 75.336 ng

RT: 12.892 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

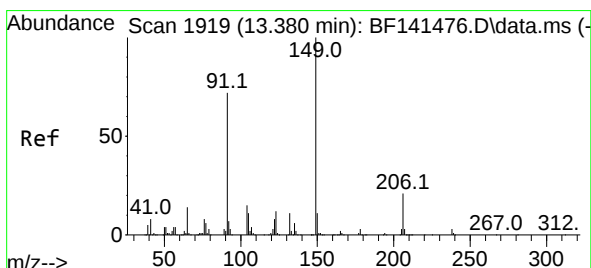
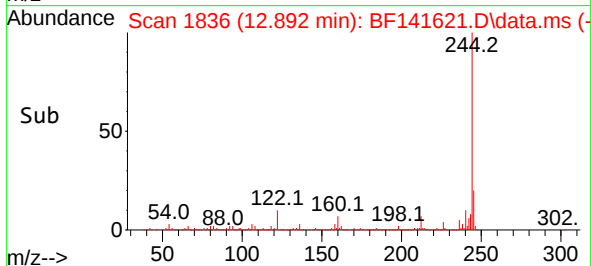
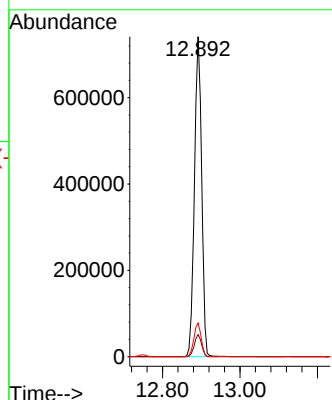
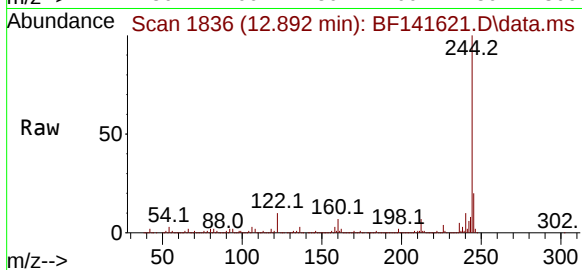
Tgt Ion:244 Resp: 958826

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 10.5 8.4 12.6



#80

Butylbenzylphthalate

Concen: 50.401 ng

RT: 13.368 min Scan# 1917

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

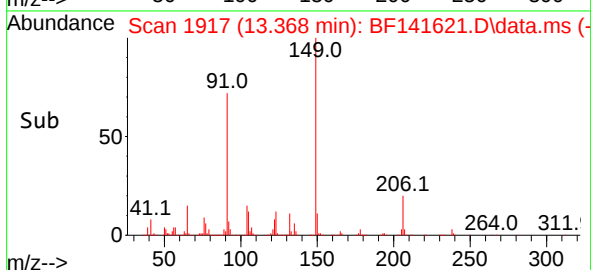
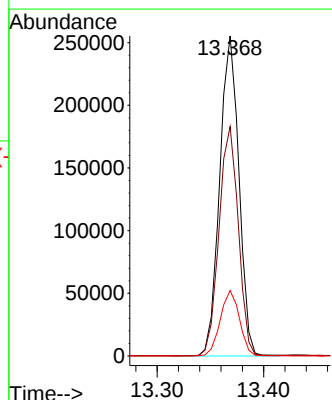
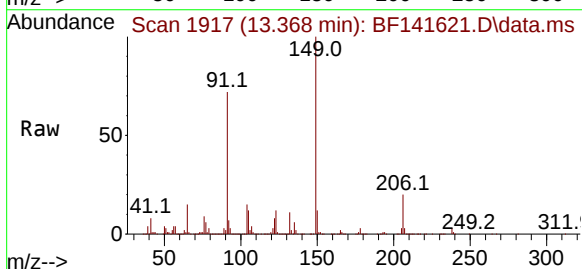
Tgt Ion:149 Resp: 319301

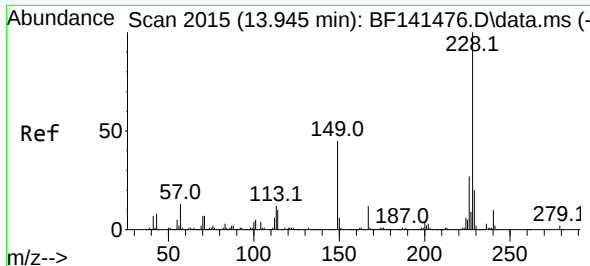
Ion Ratio Lower Upper

149 100

91 71.7 57.8 86.8

206 20.4 16.7 25.1

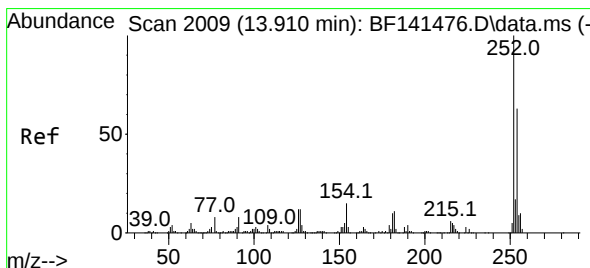
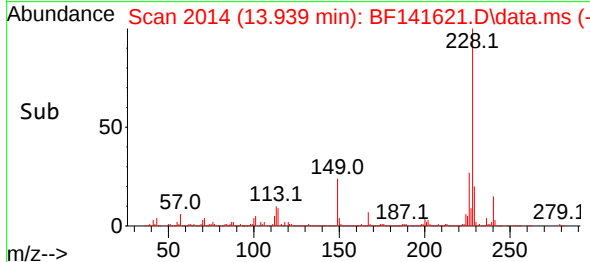
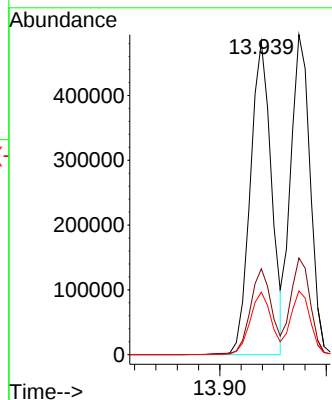
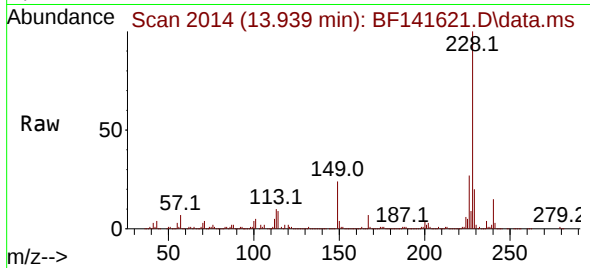




#81  
Benzo(a)anthracene  
Concen: 46.796 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

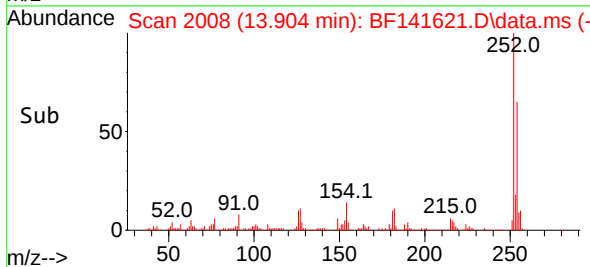
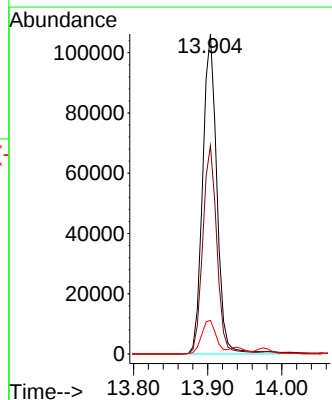
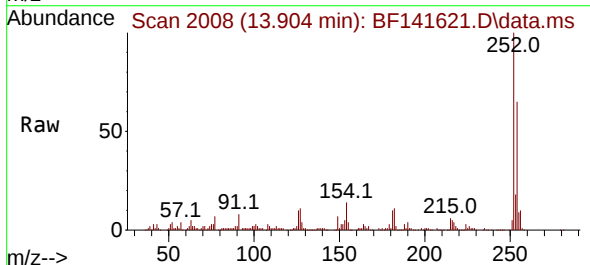
Instrument :  
BNA\_F  
ClientSampleId :  
346MS

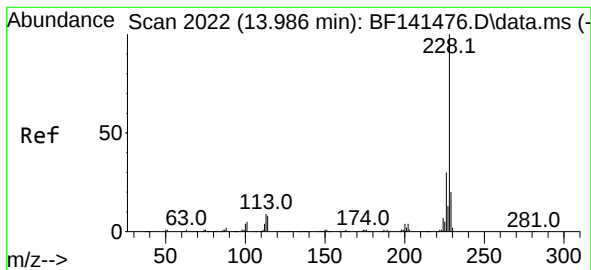
Tgt Ion:228 Resp: 668357  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.8 32.8  
229 20.0 15.8 23.6



#82  
3,3'-Dichlorobenzidine  
Concen: 34.612 ng  
RT: 13.904 min Scan# 2008  
Delta R.T. -0.012 min  
Lab File: BF141621.D  
Acq: 13 Feb 2025 18:08

Tgt Ion:252 Resp: 141607  
Ion Ratio Lower Upper  
252 100  
254 65.1 50.6 76.0  
126 10.5 9.3 13.9





#83

Chrysene

Concen: 47.282 ng

RT: 13.974 min Scan# 2012

Delta R.T. -0.018 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

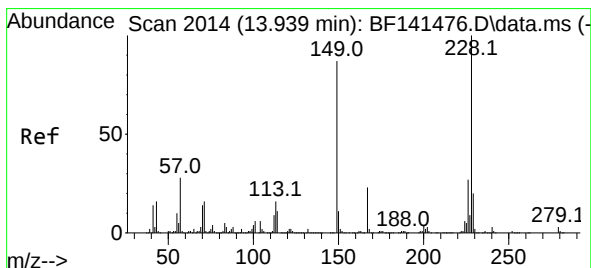
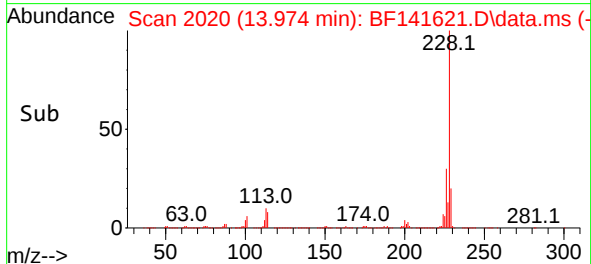
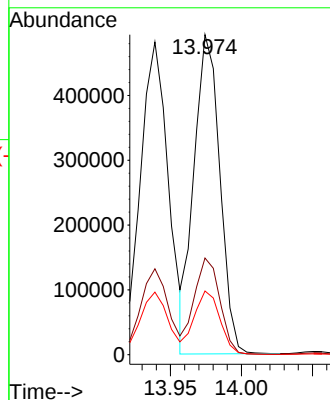
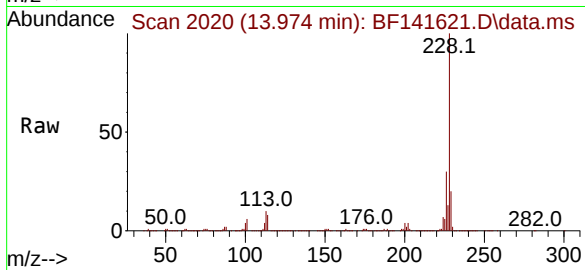
Tgt Ion:228 Resp: 623542

Ion Ratio Lower Upper

228 100

226 30.2 24.0 36.0

229 19.9 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 60.429 ng

RT: 13.927 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

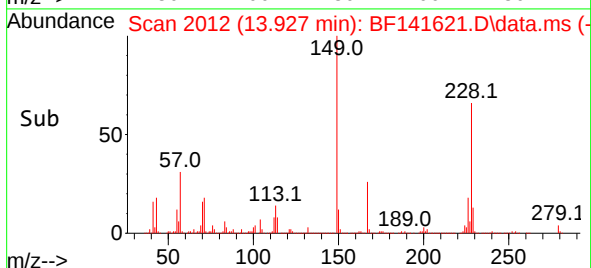
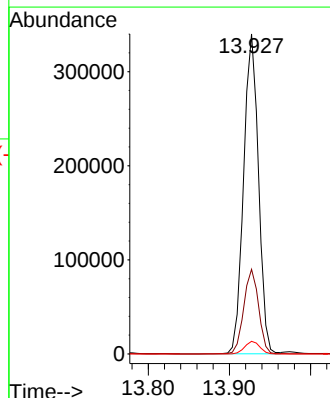
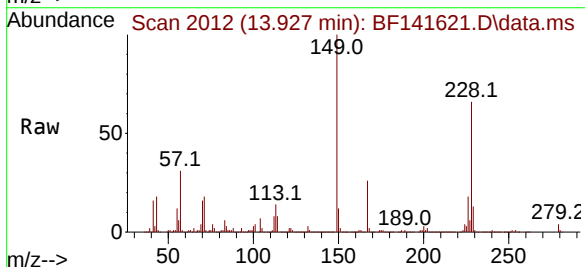
Tgt Ion:149 Resp: 431775

Ion Ratio Lower Upper

149 100

167 26.4 21.4 32.0

279 3.9 3.1 4.7





#85

Di-n-octyl phthalate

Concen: 67.215 ng

RT: 14.539 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

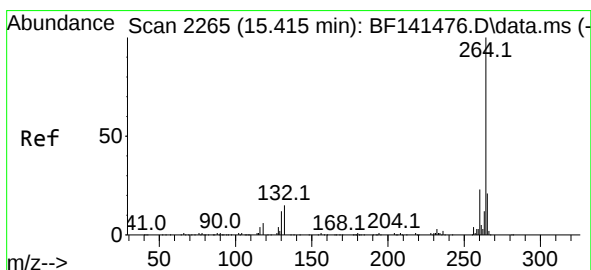
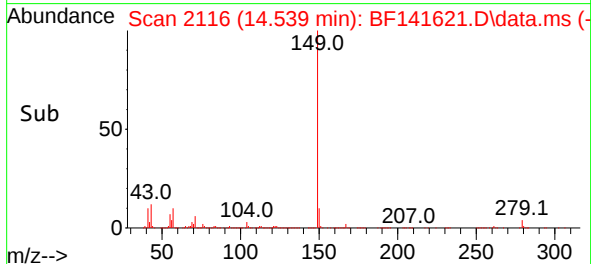
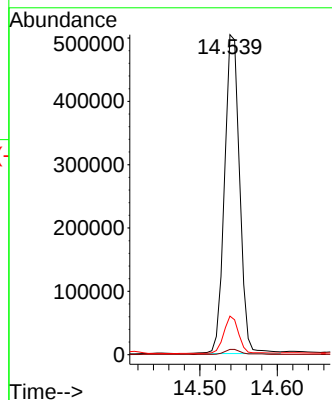
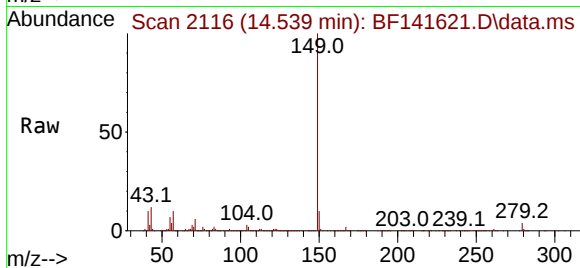
Tgt Ion:149 Resp: 685134

Ion Ratio Lower Upper

149 100

167 1.8 1.3 1.9

43 11.6 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2262

Delta R.T. -0.018 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

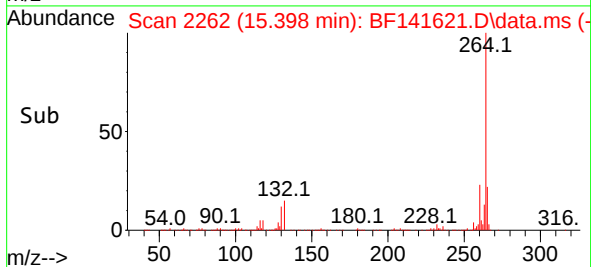
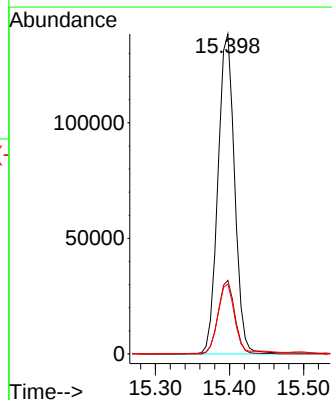
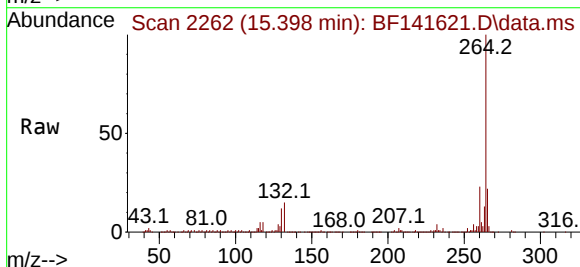
Tgt Ion:264 Resp: 216685

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.9 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.579 ng

RT: 16.839 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

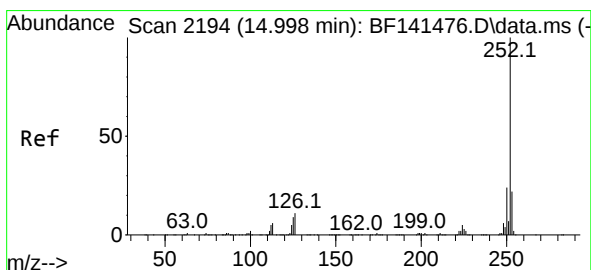
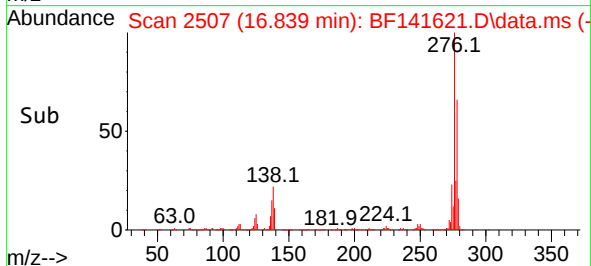
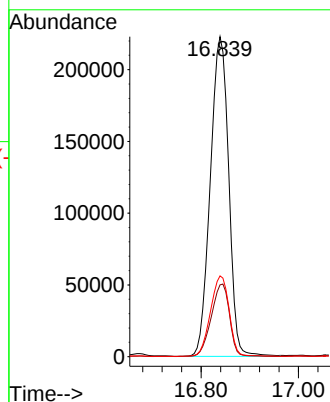
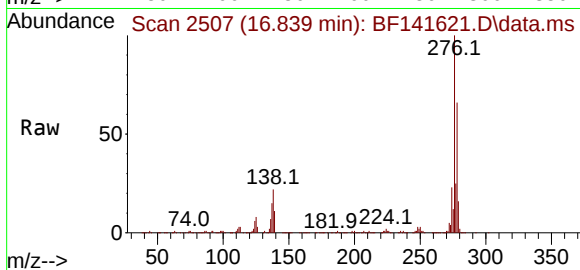
Tgt Ion:276 Resp: 583473

Ion Ratio Lower Upper

276 100

138 22.5 18.0 27.0

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 43.989 ng

RT: 14.980 min Scan# 2191

Delta R.T. -0.023 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

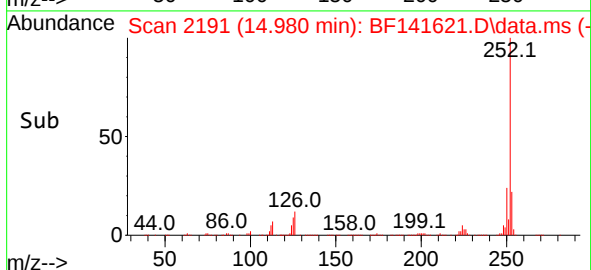
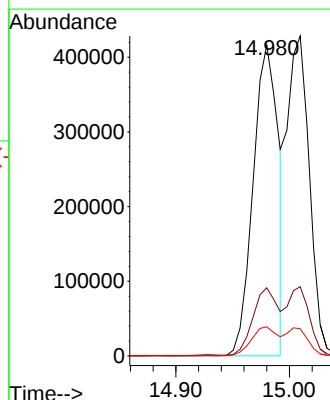
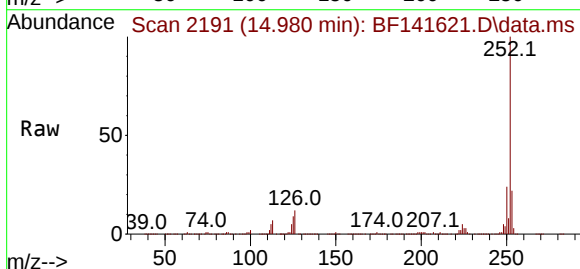
Tgt Ion:252 Resp: 640006

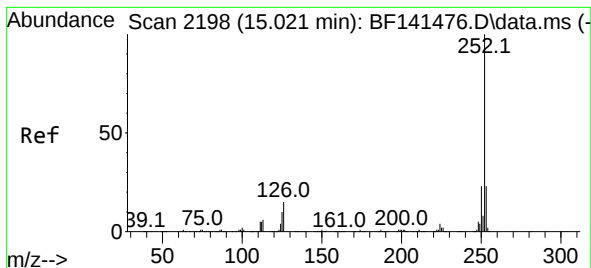
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 9.4 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 46.360 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

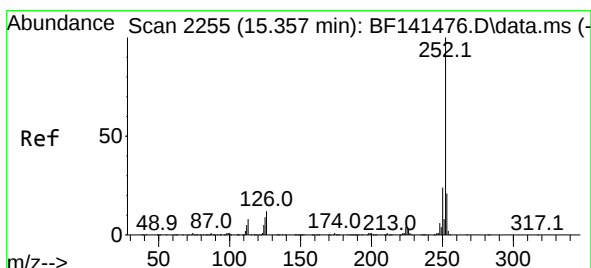
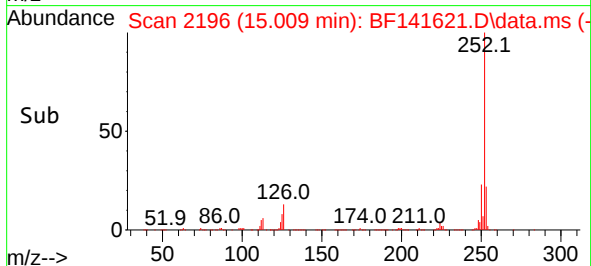
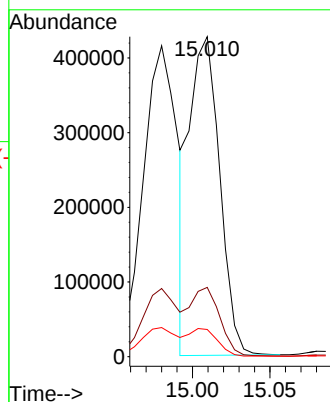
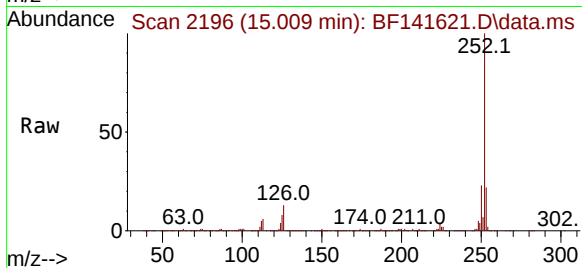
Tgt Ion:252 Resp: 575971

Ion Ratio Lower Upper

252 100

253 21.7 18.0 27.0

125 8.5 7.4 11.0



#90

Benzo(a)pyrene

Concen: 49.075 ng

RT: 15.339 min Scan# 2252

Delta R.T. -0.023 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

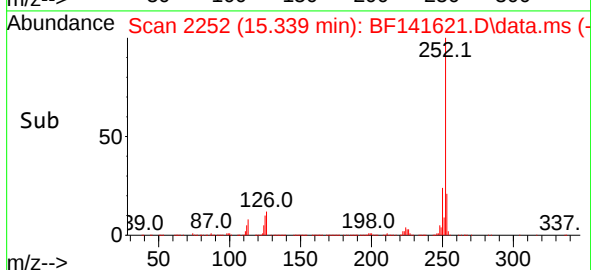
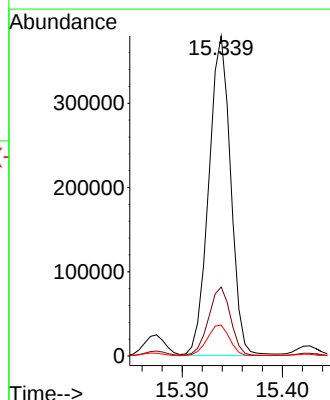
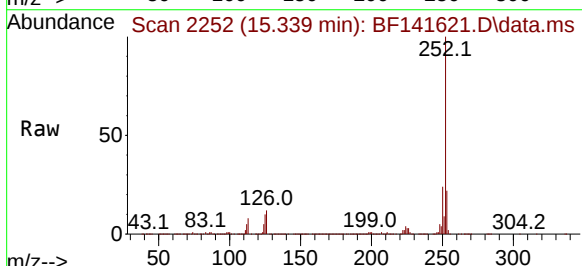
Tgt Ion:252 Resp: 577752

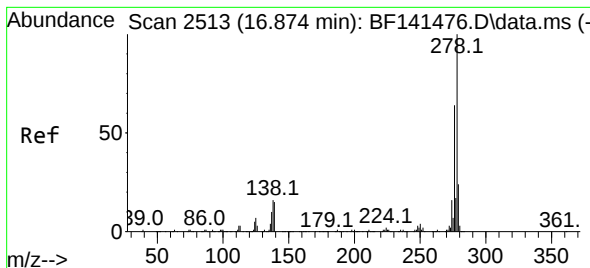
Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

125 9.7 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 43.101 ng

RT: 16.851 min Scan# 2509

Delta R.T. -0.041 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Instrument :

BNA\_F

ClientSampleId :

346MS

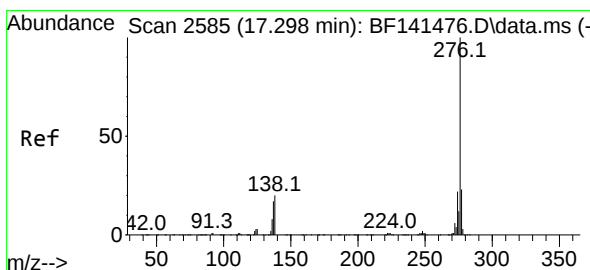
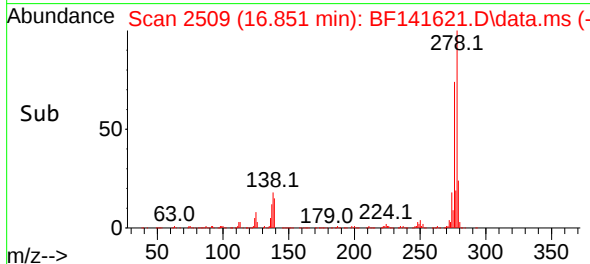
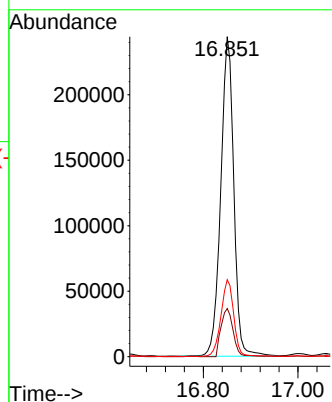
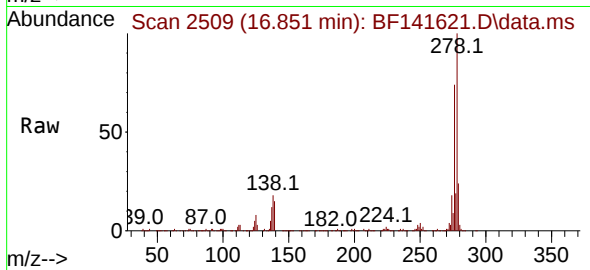
Tgt Ion:278 Resp: 467594

Ion Ratio Lower Upper

278 100

139 15.1 11.8 17.6

279 24.1 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 38.391 ng

RT: 17.268 min Scan# 2580

Delta R.T. -0.047 min

Lab File: BF141621.D

Acq: 13 Feb 2025 18:08

Tgt Ion:276 Resp: 435840

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 19.9 15.9 23.9

