

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF012425\  
 Data File : BF141258.D  
 Acq On : 24 Jan 2025 13:09  
 Operator : RC/JU  
 Sample : PB166216BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166216BS

Quant Time: Jan 25 01:00:01 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.804  | 152  | 148739   | 20.000 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.086  | 136  | 580292   | 20.000 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.845  | 164  | 306712   | 20.000 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.333 | 188  | 508622   | 20.000 | ng    | -0.01    |
| 76) Chrysene-d12          | 13.980 | 240  | 335015   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.445 | 264  | 352965   | 20.000 | ng    | 0.00     |

|                             |        |     |         |         |    |       |
|-----------------------------|--------|-----|---------|---------|----|-------|
| System Monitoring Compounds |        |     |         |         |    |       |
| 5) 2-Fluorophenol           | 5.428  | 112 | 1385656 | 143.914 | ng | 0.00  |
| 7) Phenol-d6                | 6.439  | 99  | 1729369 | 141.794 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.369  | 82  | 1106563 | 101.082 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330 | 584603  | 167.279 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.169  | 172 | 2108637 | 104.984 | ng | -0.01 |
| 79) Terphenyl-d14           | 12.921 | 244 | 2329387 | 103.344 | ng | -0.01 |

|                               |       |     |         |         |         |
|-------------------------------|-------|-----|---------|---------|---------|
| Target Compounds              |       |     |         |         | Qvalue  |
| 2) 1,4-Dioxane                | 2.604 | 88  | 184285  | 42.980  | ng 97   |
| 3) Pyridine                   | 3.340 | 79  | 466584  | 44.376  | ng 95   |
| 4) n-Nitrosodimethylamine     | 3.287 | 42  | 238140  | 46.321  | ng 92   |
| 6) Aniline                    | 6.469 | 93  | 457564  | 42.256  | ng 93   |
| 8) 2-Chlorophenol             | 6.586 | 128 | 536258  | 51.912  | ng 97   |
| 9) Benzaldehyde               | 6.351 | 77  | 57705   | 8.033   | ng 99   |
| 10) Phenol                    | 6.451 | 94  | 629644  | 48.227  | ng 91   |
| 11) bis(2-Chloroethyl)ether   | 6.539 | 93  | 491494  | 50.515  | ng 96   |
| 12) 1,3-Dichlorobenzene       | 6.745 | 146 | 557464  | 48.386  | ng 99   |
| 13) 1,4-Dichlorobenzene       | 6.822 | 146 | 569830  | 49.081  | ng 100  |
| 14) 1,2-Dichlorobenzene       | 6.975 | 146 | 543791  | 50.213  | ng 98   |
| 15) Benzyl Alcohol            | 6.945 | 79  | 457359  | 51.926  | ng 99   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081 | 45  | 656083  | 48.322  | ng 95   |
| 17) 2-Methylphenol            | 7.057 | 107 | 427043  | 51.205  | ng 99   |
| 18) Hexachloroethane          | 7.316 | 117 | 208966  | 49.772  | ng 97   |
| 19) n-Nitroso-di-n-propyla... | 7.222 | 70  | 354361  | 49.323  | ng 96   |
| 20) 3+4-Methylphenols         | 7.210 | 107 | 513616  | 48.815  | ng # 86 |
| 22) Acetophenone              | 7.216 | 105 | 689139  | 49.956  | ng 97   |
| 24) Nitrobenzene              | 7.386 | 77  | 543183  | 47.609  | ng 98   |
| 25) Isophorone                | 7.628 | 82  | 964946  | 51.579  | ng 98   |
| 26) 2-Nitrophenol             | 7.704 | 139 | 282800  | 54.490  | ng 99   |
| 27) 2,4-Dimethylphenol        | 7.739 | 122 | 423119  | 60.442  | ng 100  |
| 28) bis(2-Chloroethoxy)met... | 7.839 | 93  | 593705  | 50.567  | ng 100  |
| 29) 2,4-Dichlorophenol        | 7.945 | 162 | 434563  | 52.268  | ng 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.028 | 180 | 466251  | 49.061  | ng 99   |
| 31) Naphthalene               | 8.110 | 128 | 1531283 | 50.038  | ng 100  |
| 32) Benzoic acid              | 7.863 | 122 | 334809  | 49.857  | ng 96   |
| 33) 4-Chloroaniline           | 8.157 | 127 | 233206  | 22.035  | ng 99   |
| 34) Hexachlorobutadiene       | 8.228 | 225 | 289352  | 50.530  | ng 100  |
| 35) Caprolactam               | 8.527 | 113 | 76681   | 28.171  | ng 96   |
| 36) 4-Chloro-3-methylphenol   | 8.645 | 107 | 463314  | 50.954  | ng 99   |
| 37) 2-Methylnaphthalene       | 8.798 | 142 | 1001778 | 51.371  | ng 100  |
| 38) 1-Methylnaphthalene       | 8.898 | 142 | 939426  | 48.881  | ng 99   |
| 40) 1,2,4,5-Tetrachloroben... | 8.969 | 216 | 467372  | 53.091  | ng 99   |
| 41) Hexachlorocyclopentadiene | 8.957 | 237 | 573495  | 199.122 | ng 100  |
| 43) 2,4,6-Trichlorophenol     | 9.080 | 196 | 312554  | 52.643  | ng 100  |

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 Sample : PB166216BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

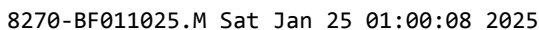
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 BNA\_F  
 ClientSampleId :  
 PB166216BS

Quant Time: Jan 25 01:00:01 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 324112   | 51.689  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 1223792  | 51.378  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.292  | 162  | 932649   | 50.272  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 274264   | 49.871  | ng    | 98       |
| 49) Acenaphthylene            | 9.710  | 152  | 1438081  | 54.256  | ng    | 99       |
| 50) Dimethylphthalate         | 9.569  | 163  | 1081507  | 52.524  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 241366   | 50.407  | ng    | 98       |
| 52) Acenaphthene              | 9.880  | 154  | 1055897  | 57.020  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 135096   | 27.764  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 262472   | 115.323 | ng    | 96       |
| 55) Dibenzofuran              | 10.051 | 168  | 1299079  | 51.575  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.963  | 139  | 392996   | 103.126 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 329336   | 53.370  | ng    | 100      |
| 58) Fluorene                  | 10.398 | 166  | 991064   | 50.645  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 276007   | 52.955  | ng    | 99       |
| 60) Diethylphthalate          | 10.274 | 149  | 1038876  | 51.681  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 492249   | 51.611  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 232319   | 48.781  | ng    | 99       |
| 63) Azobenzene                | 10.551 | 77   | 1007904  | 50.814  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 180102   | 61.107  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 895264   | 54.572  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 323613   | 55.264  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.945 | 284  | 359733   | 55.186  | ng    | 96       |
| 69) Atrazine                  | 11.039 | 200  | 303154   | 68.629  | ng    | 99       |
| 70) Pentachlorophenol         | 11.139 | 266  | 434979   | 104.199 | ng    | 100      |
| 71) Phenanthrene              | 11.357 | 178  | 1467412  | 53.739  | ng    | 100      |
| 72) Anthracene                | 11.410 | 178  | 1504155  | 56.651  | ng    | 100      |
| 73) Carbazole                 | 11.563 | 167  | 1300460  | 53.416  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.898 | 149  | 1569825  | 56.343  | ng    | 100      |
| 75) Fluoranthene              | 12.545 | 202  | 1475583  | 54.152  | ng    | 99       |
| 77) Benzidine                 | 12.668 | 184  | 344257   | 55.412  | ng    | 100      |
| 78) Pyrene                    | 12.774 | 202  | 1492131  | 46.632  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 587184   | 55.039  | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 1153399  | 50.588  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 235938   | 32.499  | ng    | 99       |
| 83) Chrysene                  | 14.004 | 228  | 1085025  | 50.860  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.962 | 149  | 769283   | 60.097  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 1305675  | 67.547  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.909 | 276  | 1401905  | 54.213  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1154776  | 50.736  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.056 | 252  | 1060026  | 55.111  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 1070677  | 57.016  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.927 | 278  | 1128075  | 53.936  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 1062399  | 48.835  | ng    | 99       |

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

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QLast Update : Fri Jan 10 22:54:19 2025  
Response via : Initial Calibration

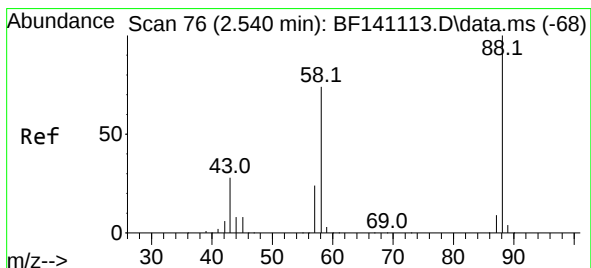
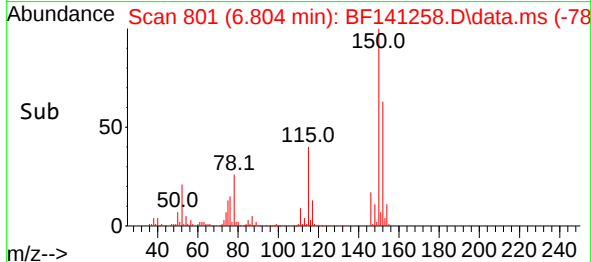
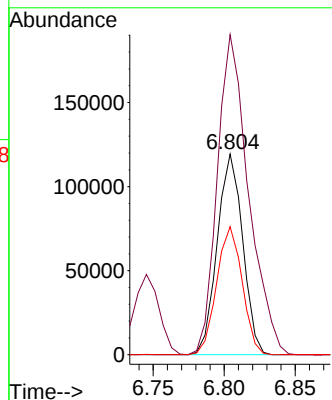
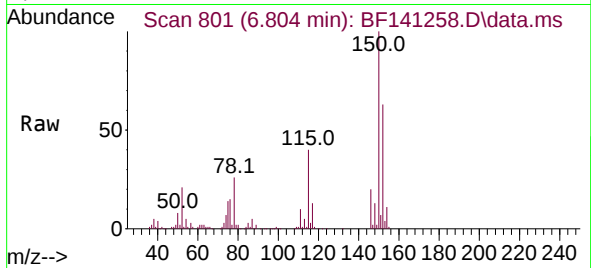




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.804 min Scan# 80  
 Delta R.T. -0.018 min  
 Lab File: BF141258.D  
 Acq: 24 Jan 2025 13:09

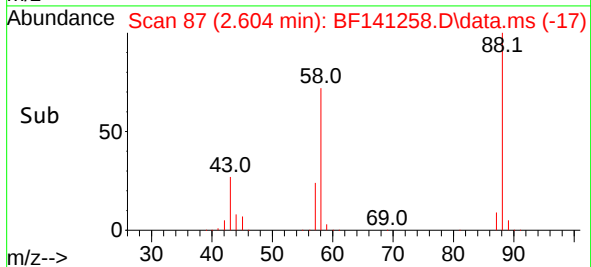
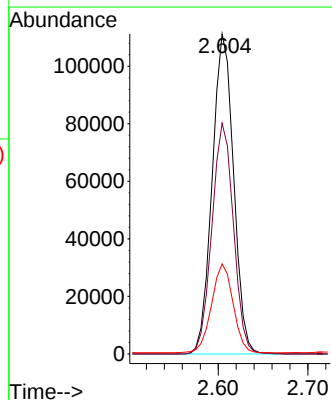
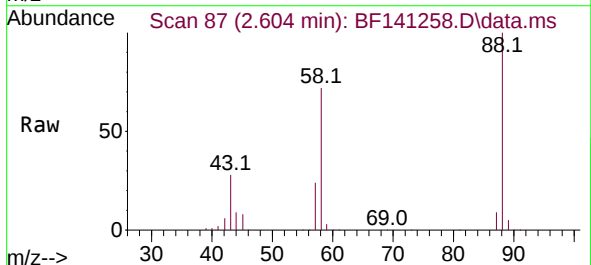
Instrument :  
 BNA\_F  
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 PB166216BS

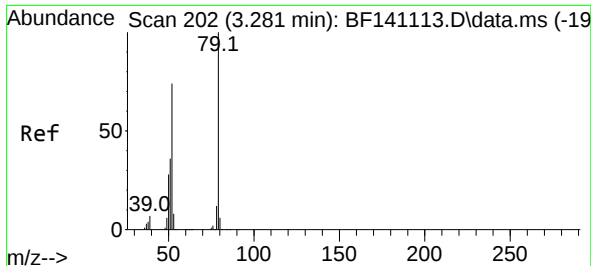
Tgt Ion:152 Resp: 148739  
 Ion Ratio Lower Upper  
 152 100  
 150 159.5 125.8 188.8  
 115 63.8 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 42.980 ng  
 RT: 2.604 min Scan# 87  
 Delta R.T. 0.065 min  
 Lab File: BF141258.D  
 Acq: 24 Jan 2025 13:09

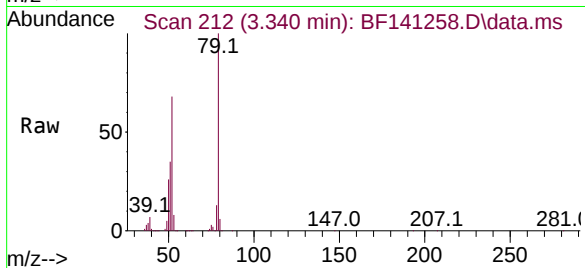
Tgt Ion: 88 Resp: 184285  
 Ion Ratio Lower Upper  
 88 100  
 58 72.7 60.1 90.1  
 43 28.0 23.1 34.7



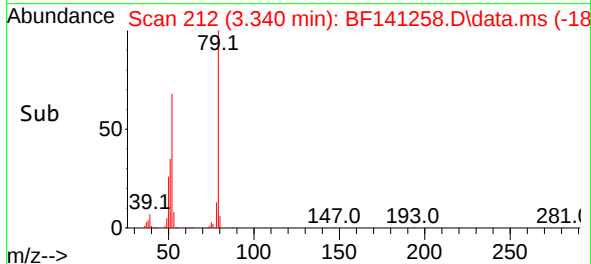
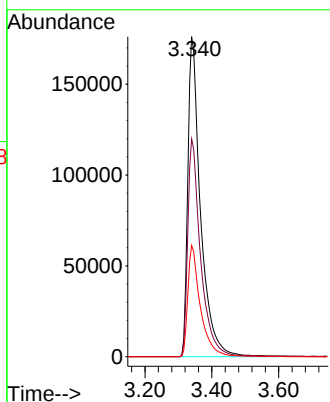


#3  
Pyridine  
Concen: 44.376 ng  
RT: 3.340 min Scan# 21  
Delta R.T. 0.059 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

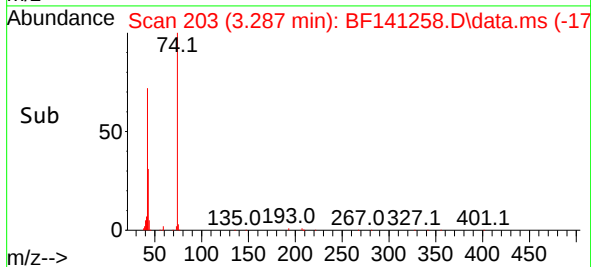
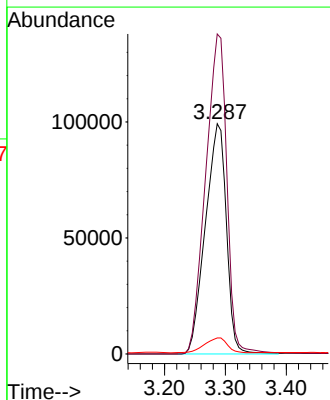
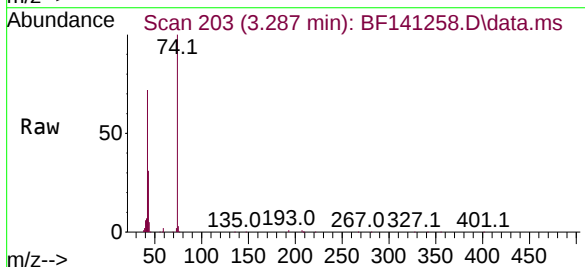


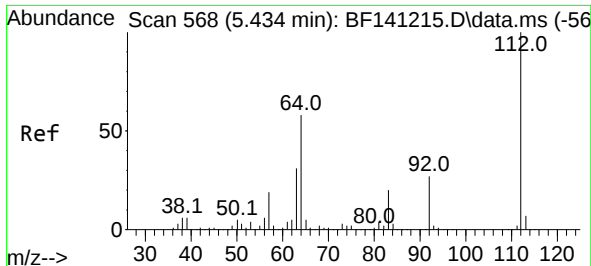
Tgt Ion: 79 Resp: 466584  
Ion Ratio Lower Upper  
79 100  
52 68.0 58.9 88.3  
51 34.7 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 46.321 ng  
RT: 3.287 min Scan# 203  
Delta R.T. 0.059 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 42 Resp: 238140  
Ion Ratio Lower Upper  
42 100  
74 139.0 103.8 155.6  
44 6.9 5.3 7.9

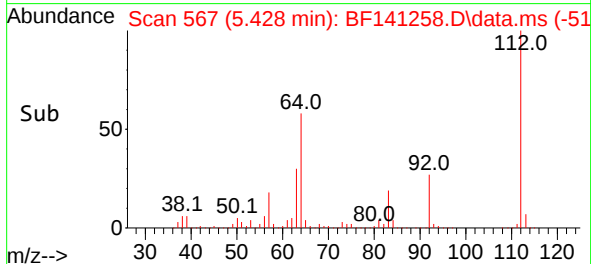
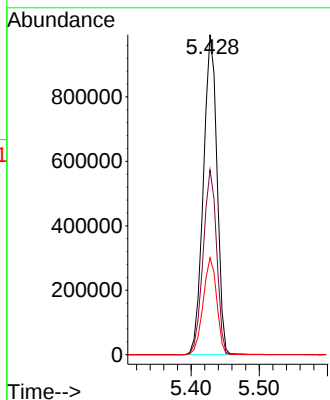
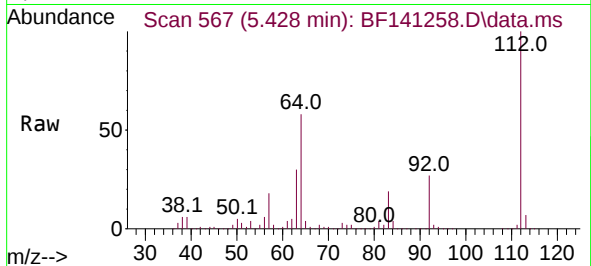




#5  
2-Fluorophenol  
Concen: 143.914 ng  
RT: 5.428 min Scan# 50  
Delta R.T. -0.000 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

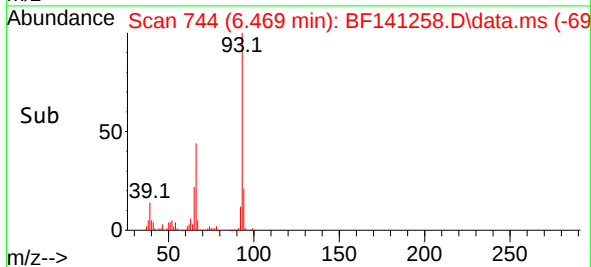
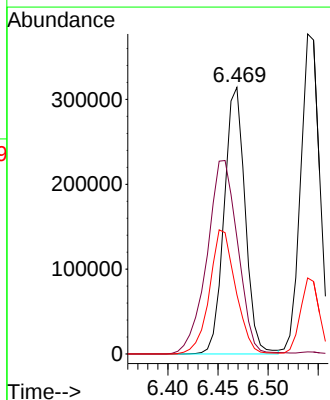
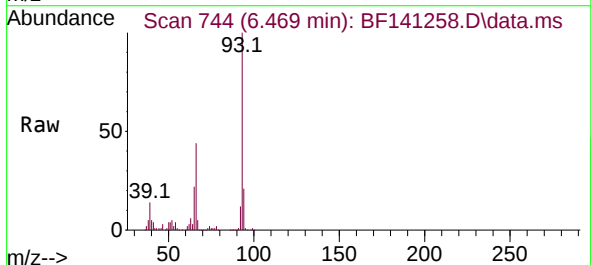
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:112 Resp: 1385656  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.3 70.9  
63 30.3 24.2 36.2



#6  
Aniline  
Concen: 42.256 ng  
RT: 6.469 min Scan# 744  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 93 Resp: 457564  
Ion Ratio Lower Upper  
93 100  
66 43.7 31.5 47.3  
65 22.2 15.3 22.9



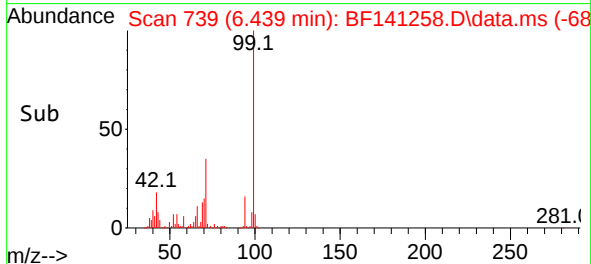
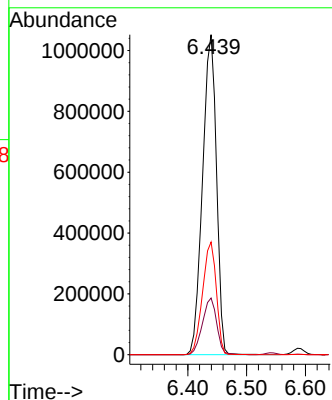
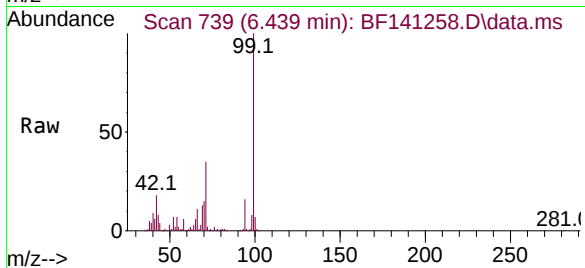


#7  
Phenol-d6  
Concen: 141.794 ng  
RT: 6.439 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion: 99 Resp: 1729369

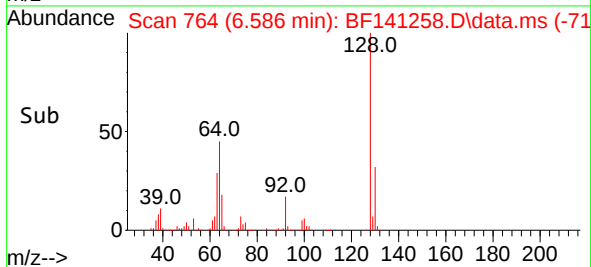
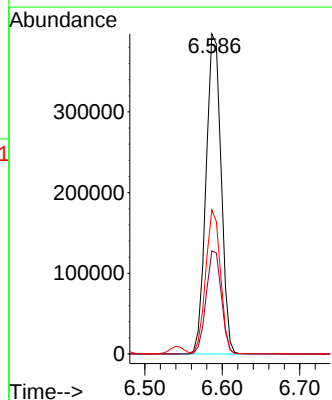
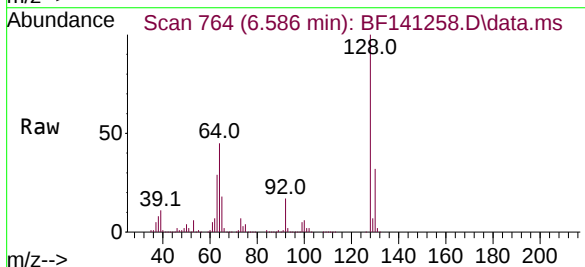
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.7  | 15.0  | 22.4  |
| 71  | 35.2  | 27.6  | 41.4  |



#8  
2-Chlorophenol  
Concen: 51.912 ng  
RT: 6.586 min Scan# 764  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 128 Resp: 536258

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.2  | 12.5  | 52.5  |
| 64  | 45.0  | 28.3  | 68.3  |

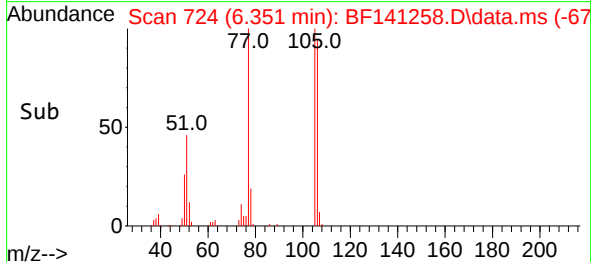
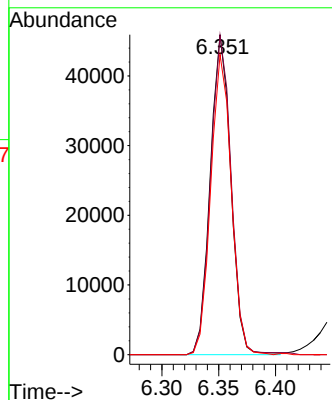
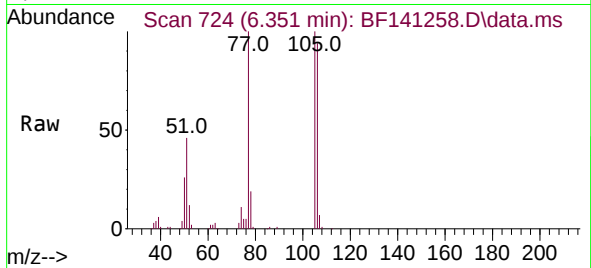




#9  
Benzaldehyde  
Concen: 8.033 ng  
RT: 6.351 min Scan# 710  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

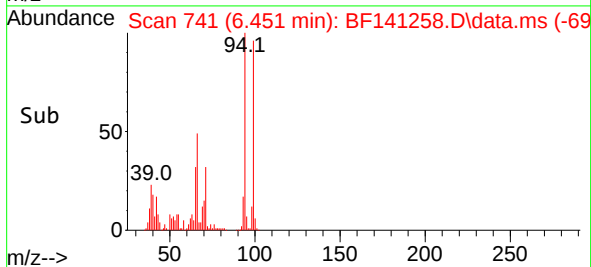
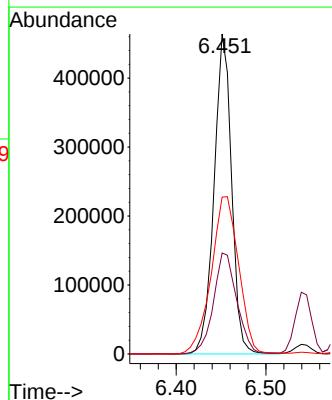
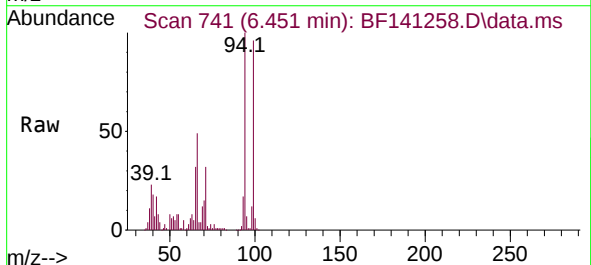
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion: 77 Resp: 57705  
Ion Ratio Lower Upper  
77 100  
105 99.7 78.9 118.9  
106 93.7 73.6 113.6



#10  
Phenol  
Concen: 48.227 ng  
RT: 6.451 min Scan# 741  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 94 Resp: 629644  
Ion Ratio Lower Upper  
94 100  
65 31.6 8.9 48.9  
66 49.0 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 50.515 ng

RT: 6.539 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

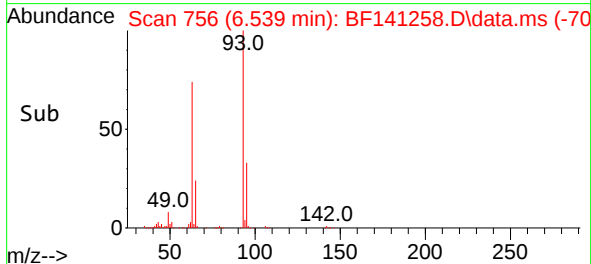
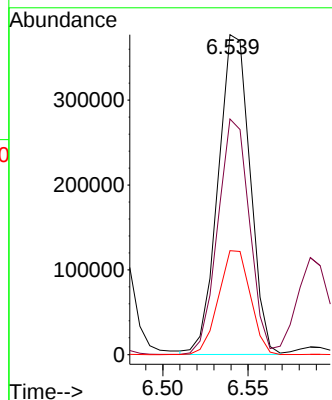
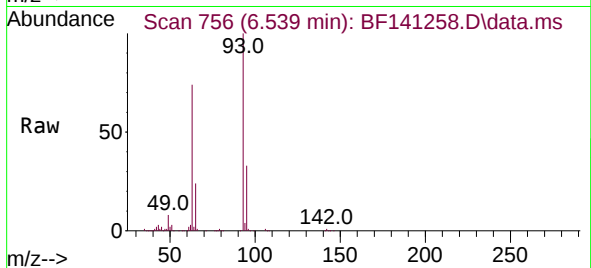
Tgt Ion: 93 Resp: 491494

Ion Ratio Lower Upper

93 100

63 73.6 58.0 98.0

95 32.5 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 48.386 ng

RT: 6.745 min Scan# 791

Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

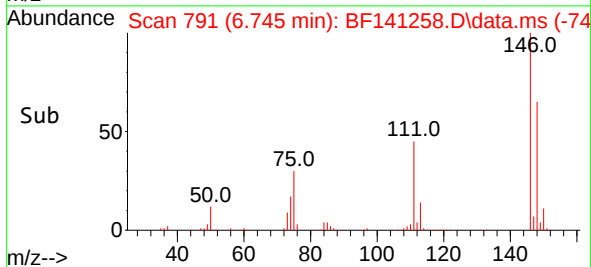
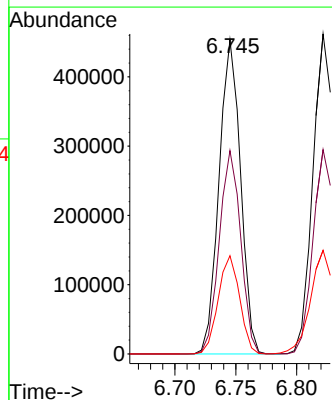
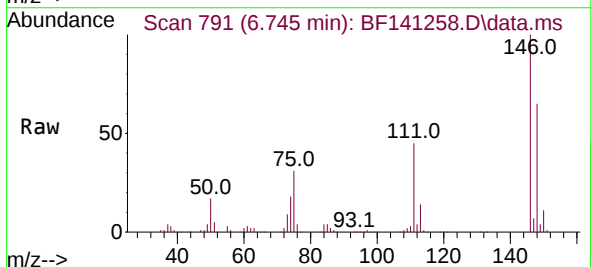
Tgt Ion:146 Resp: 557464

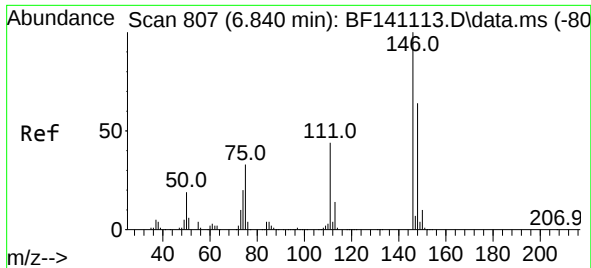
Ion Ratio Lower Upper

146 100

148 64.7 51.6 77.4

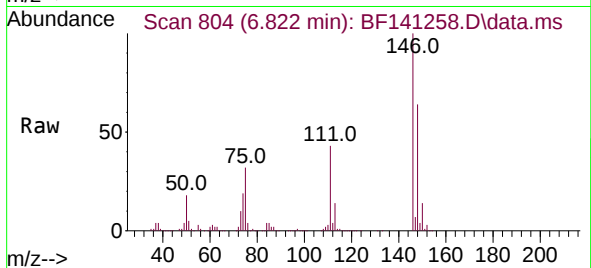
75 31.3 26.2 39.2



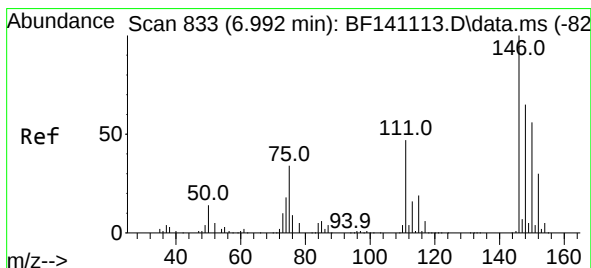
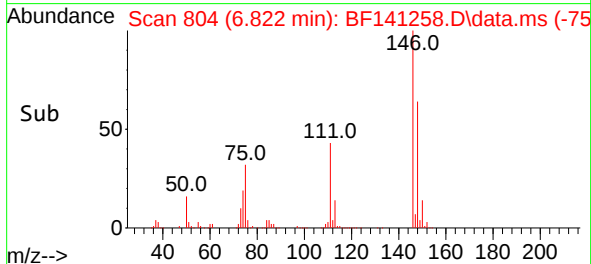
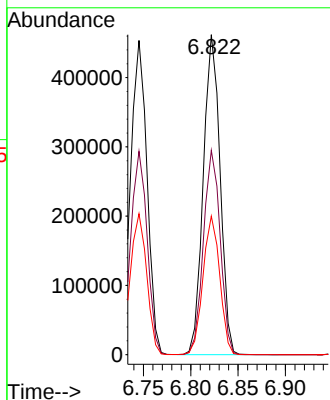


#13  
1,4-Dichlorobenzene  
Concen: 49.081 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

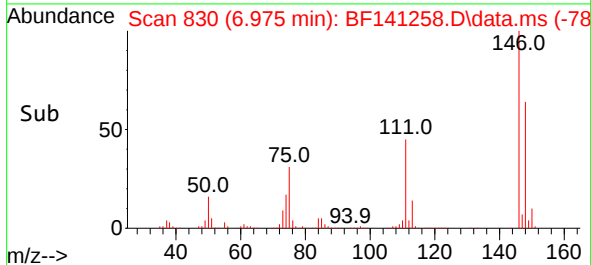
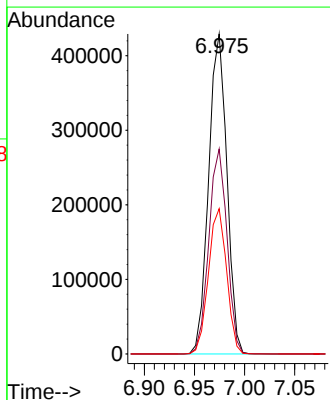
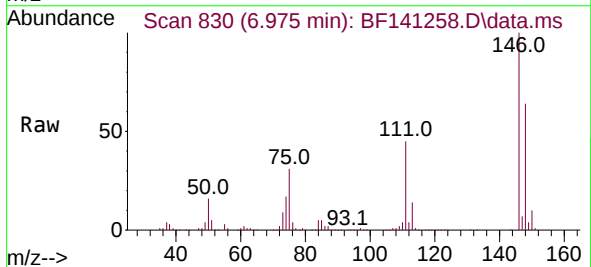


Tgt Ion:146 Resp: 569830  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.0 76.6  
111 43.3 34.9 52.3



#14  
1,2-Dichlorobenzene  
Concen: 50.213 ng  
RT: 6.975 min Scan# 830  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:146 Resp: 543791  
Ion Ratio Lower Upper  
146 100  
148 64.1 52.2 78.4  
111 45.4 37.5 56.3

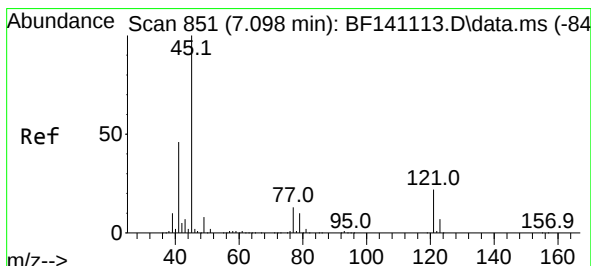
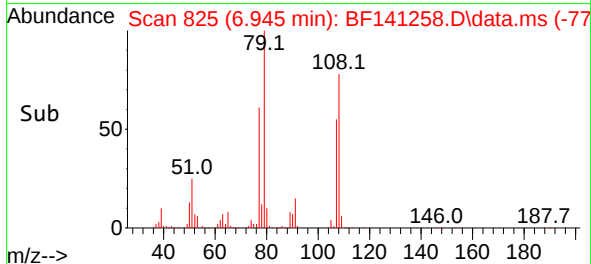
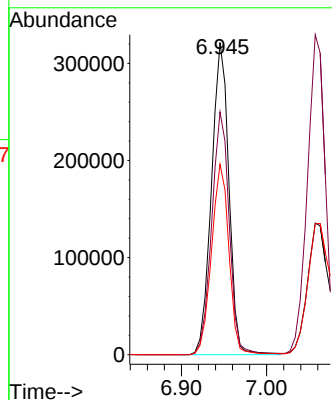
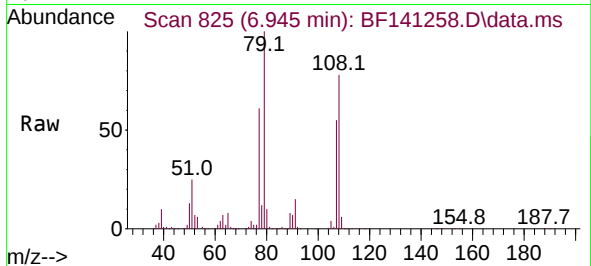




#15  
Benzyl Alcohol  
Concen: 51.926 ng  
RT: 6.945 min Scan# 81  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

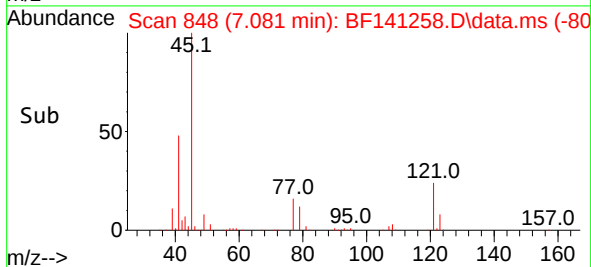
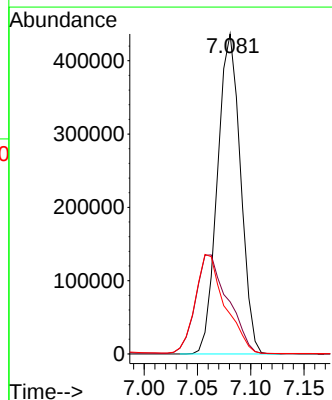
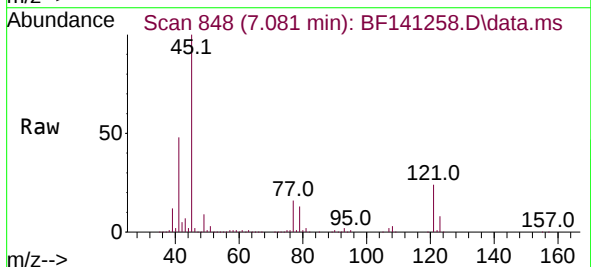
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

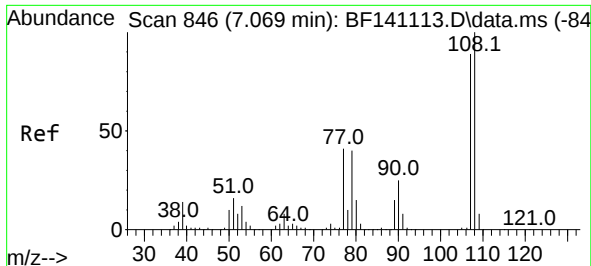
Tgt Ion: 79 Resp: 457359  
Ion Ratio Lower Upper  
79 100  
108 77.7 61.4 92.0  
77 61.0 49.8 74.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.322 ng  
RT: 7.081 min Scan# 848  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 45 Resp: 656083  
Ion Ratio Lower Upper  
45 100  
77 16.3 0.0 34.1  
79 12.5 0.0 31.0

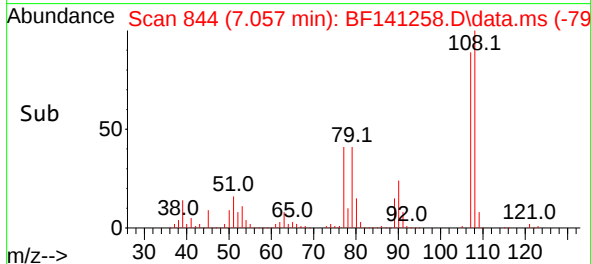
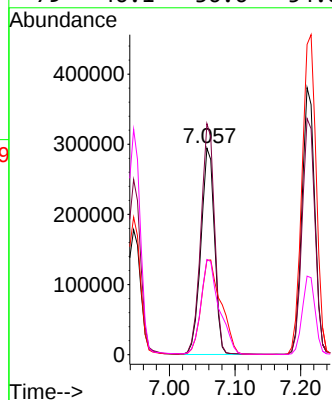
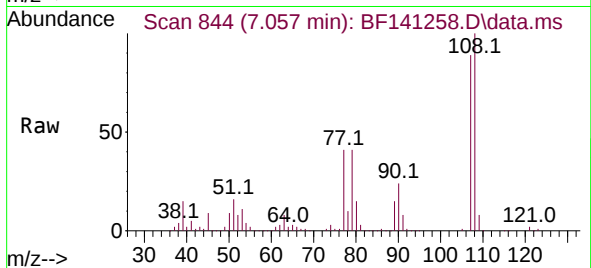




#17  
2-Methylphenol  
Concen: 51.205 ng  
RT: 7.057 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

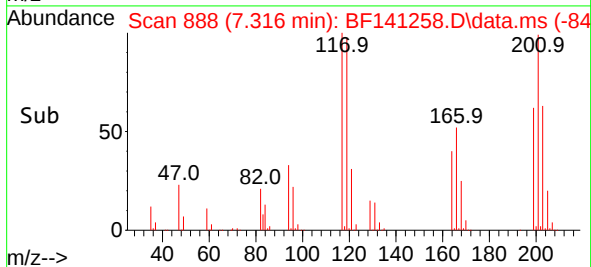
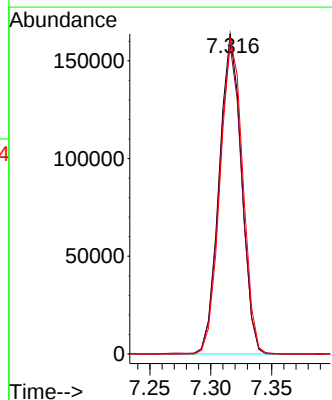
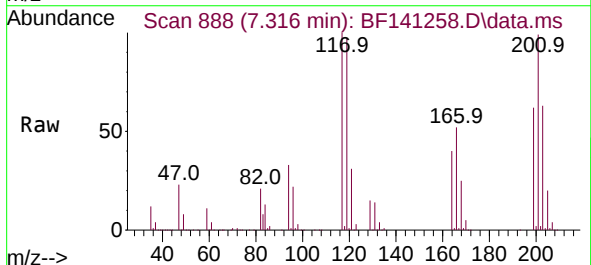
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:107 Resp: 427043  
Ion Ratio Lower Upper  
107 100  
108 111.9 90.1 135.1  
77 45.7 36.6 55.0  
79 46.1 36.6 54.8



#18  
Hexachloroethane  
Concen: 49.772 ng  
RT: 7.316 min Scan# 888  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:117 Resp: 208966  
Ion Ratio Lower Upper  
117 100  
119 96.5 77.6 116.4  
201 98.7 75.1 112.7



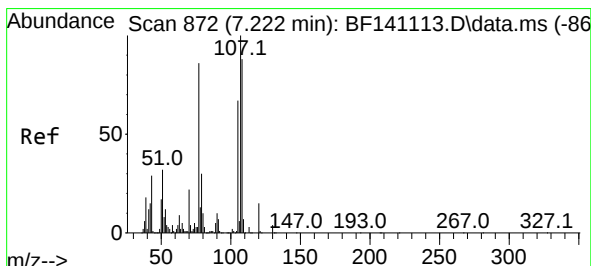
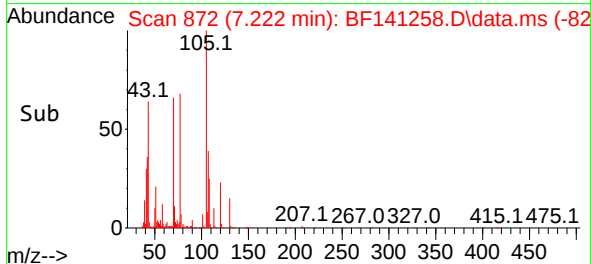
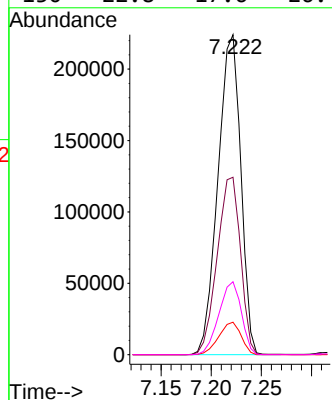
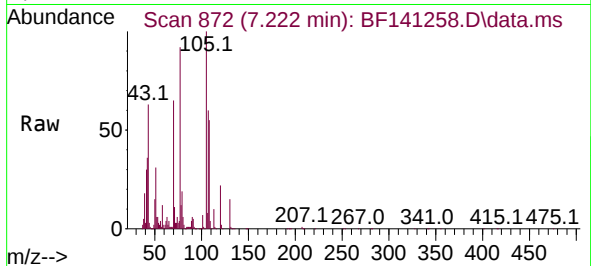


#19  
n-Nitroso-di-n-propylamine  
Concen: 49.323 ng  
RT: 7.222 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion: 70 Resp: 354361

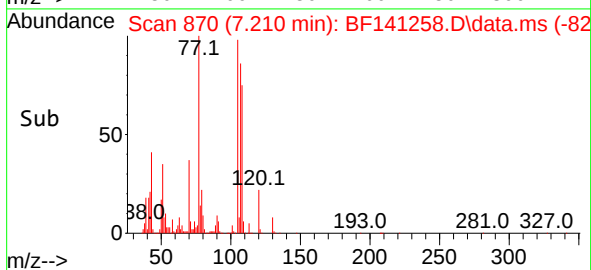
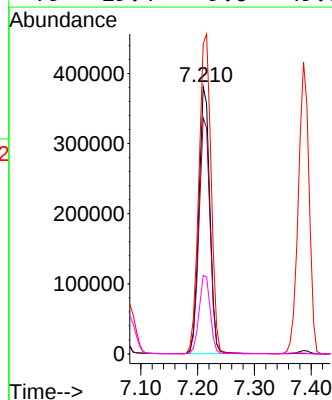
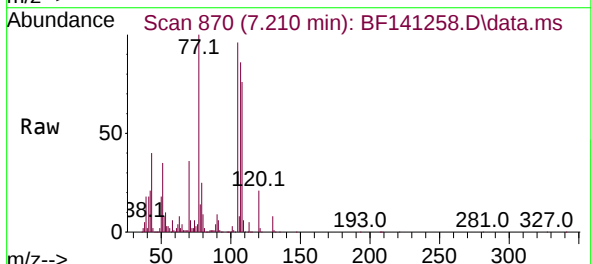
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 55.5  | 47.8  | 71.6  |
| 101 | 10.1  | 7.9   | 11.9  |
| 130 | 22.8  | 17.6  | 26.4  |

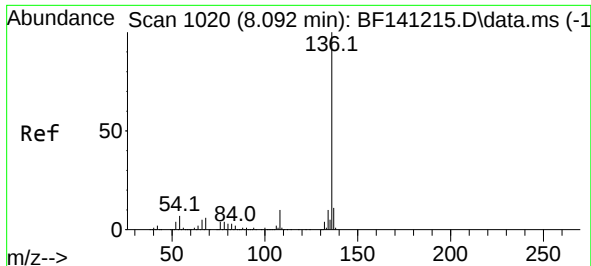


#20  
3+4-Methylphenols  
Concen: 48.815 ng  
RT: 7.210 min Scan# 870  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 107 Resp: 513616

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 88.4  | 68.3  | 108.3  |
| 77  | 116.2 | 66.4  | 106.4# |
| 79  | 29.4  | 9.6   | 49.6   |

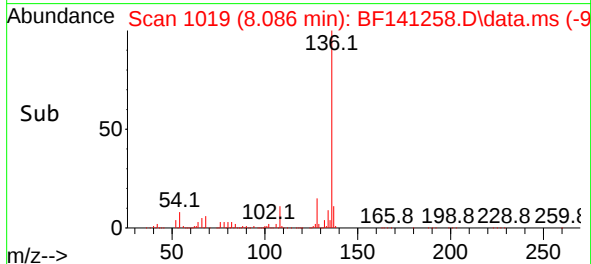
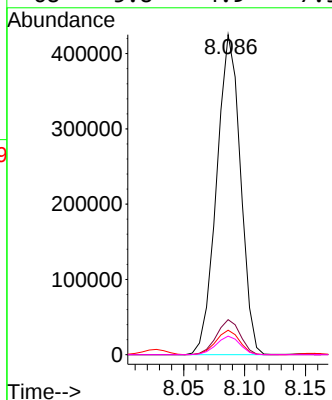
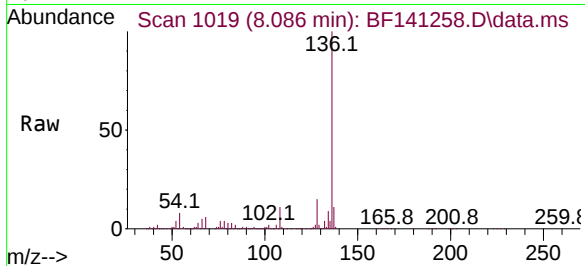




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.086 min Scan# 1019  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

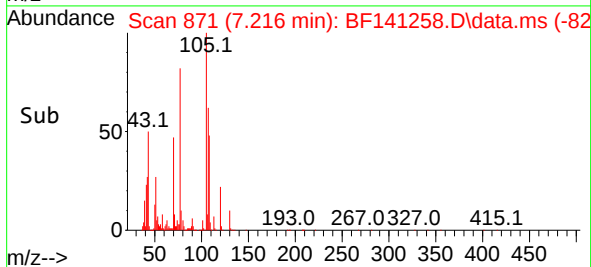
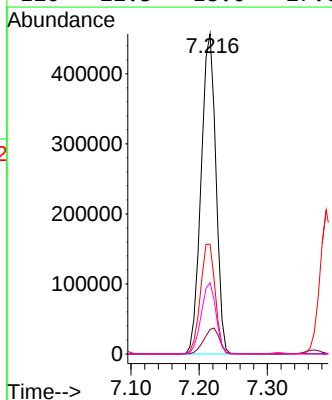
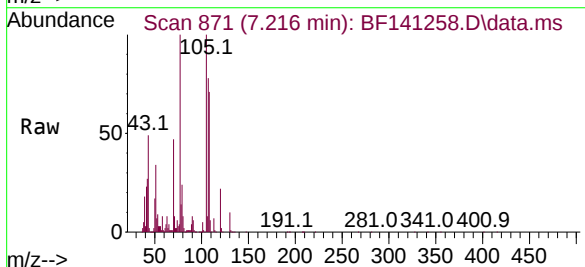
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

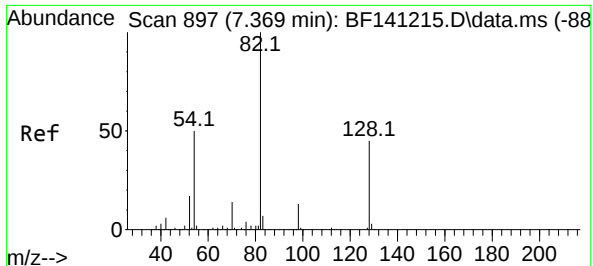
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 580292 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.0  | 8.8   | 13.2   |
| 54        | 7.7   | 6.3   | 9.5    |
| 68        | 5.8   | 4.9   | 7.3    |



#22  
Acetophenone  
Concen: 49.956 ng  
RT: 7.216 min Scan# 871  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 689139 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 7.7   | 7.1   | 10.7   |
| 51        | 34.3  | 25.4  | 38.2   |
| 120       | 22.3  | 18.0  | 27.0   |





#23

Nitrobenzene-d5

Concen: 101.082 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

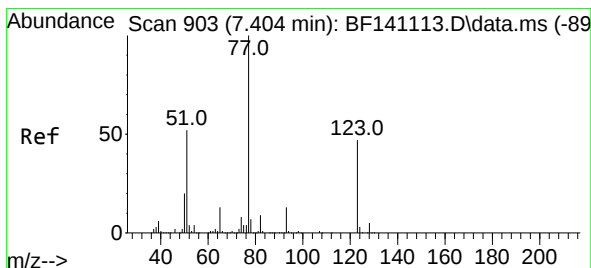
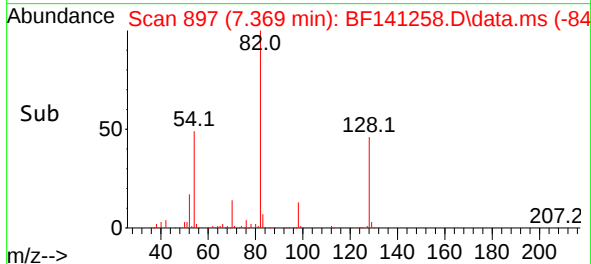
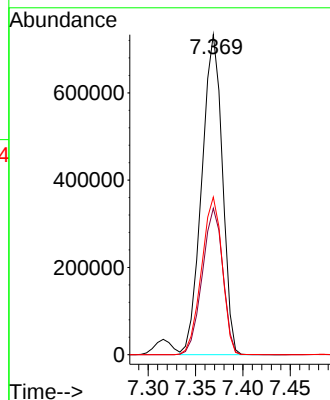
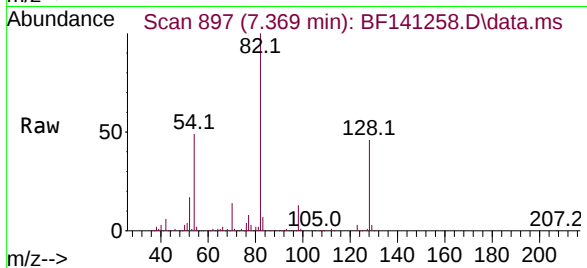
BNA\_F

ClientSampleId :

PB166216BS

Tgt Ion: 82 Resp: 1106563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.8  | 36.1  | 54.1  |
| 54  | 49.3  | 41.0  | 61.4  |



#24

Nitrobenzene

Concen: 47.609 ng

RT: 7.386 min Scan# 900

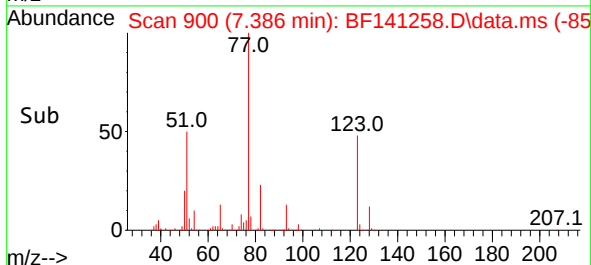
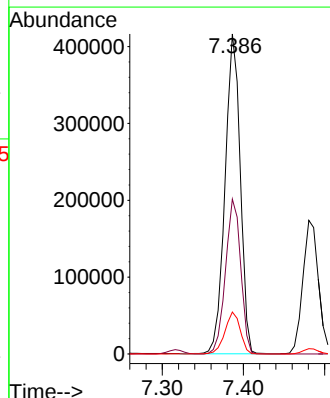
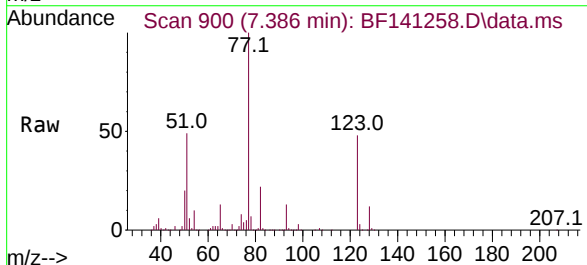
Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Tgt Ion: 77 Resp: 543183

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 48.4  | 37.7  | 56.5  |
| 65  | 13.1  | 10.6  | 16.0  |

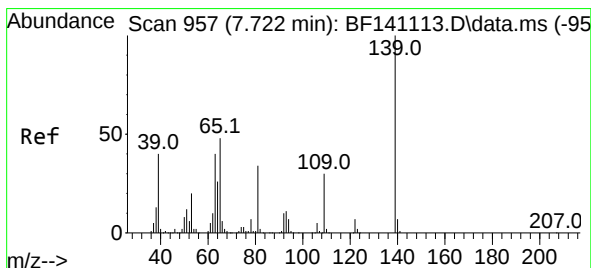
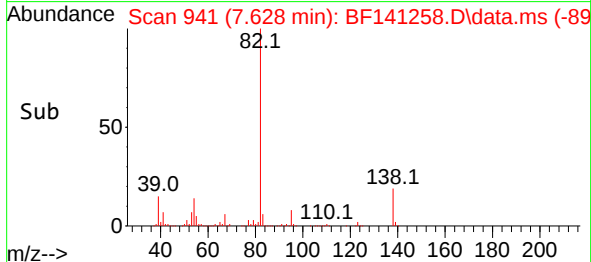
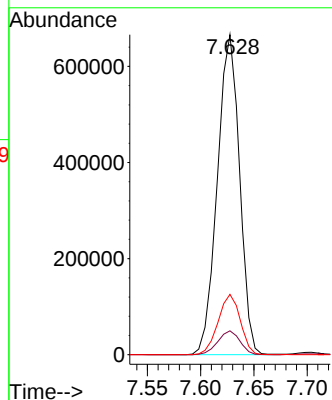
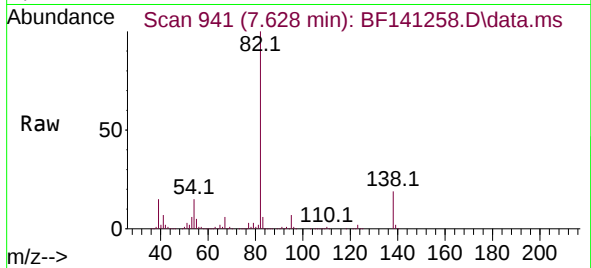




#25  
Isophorone  
Concen: 51.579 ng  
RT: 7.628 min Scan# 941  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

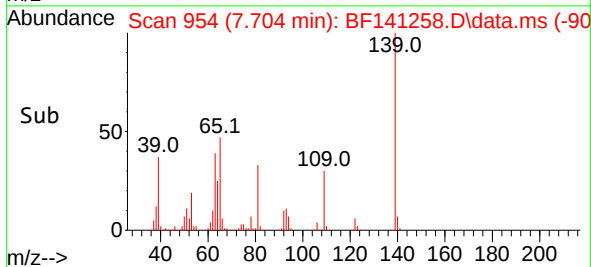
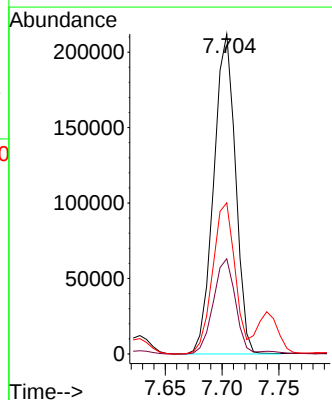
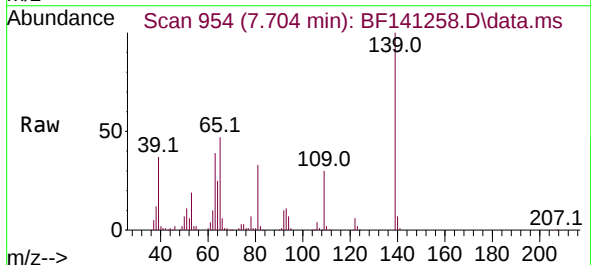
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

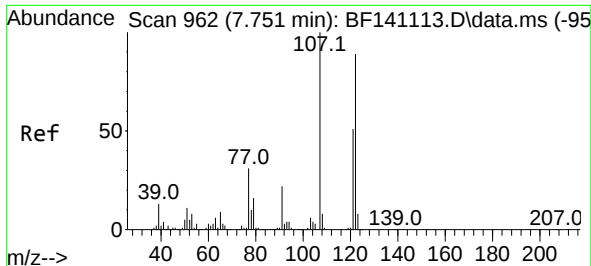
Tgt Ion: 82 Resp: 964946  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.9 8.9  
138 18.9 14.2 21.2



#26  
2-Nitrophenol  
Concen: 54.490 ng  
RT: 7.704 min Scan# 954  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion: 139 Resp: 282800  
Ion Ratio Lower Upper  
139 100  
109 29.8 23.8 35.6  
65 47.3 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 60.442 ng

RT: 7.739 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

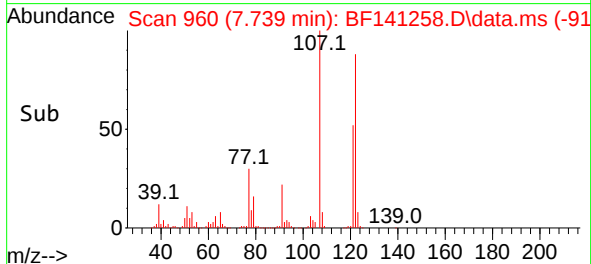
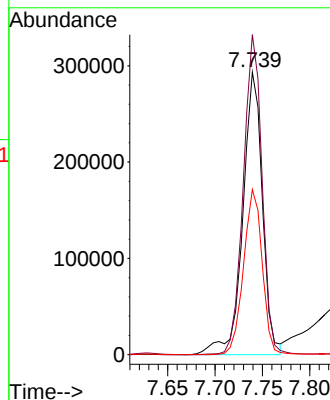
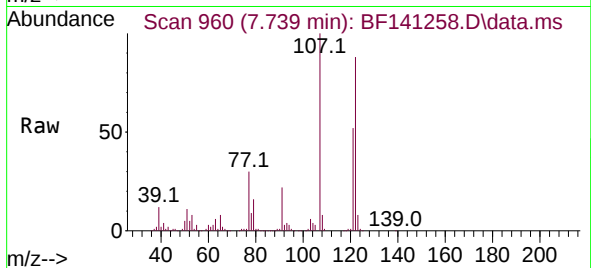
Tgt Ion:122 Resp: 423119

Ion Ratio Lower Upper

122 100

107 113.3 90.3 135.5

121 58.4 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 50.567 ng

RT: 7.839 min Scan# 977

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

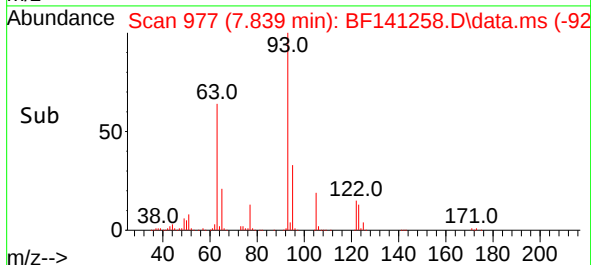
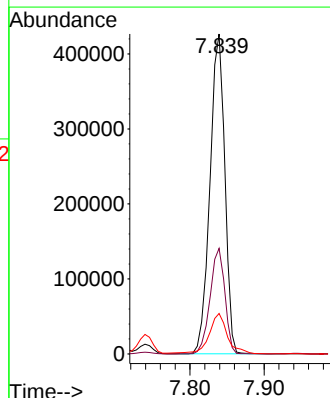
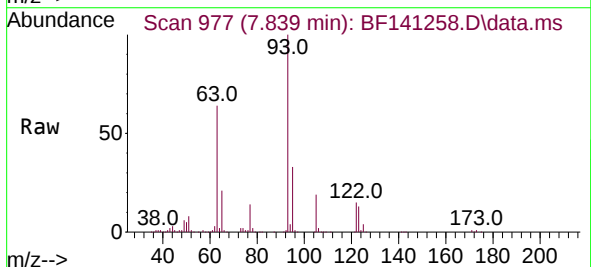
Tgt Ion: 93 Resp: 593705

Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.4

123 12.6 10.1 15.1

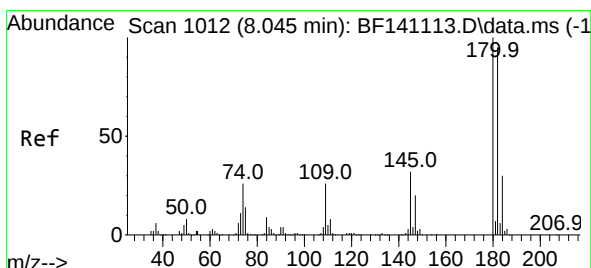
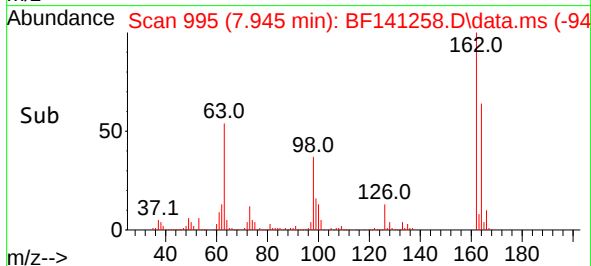
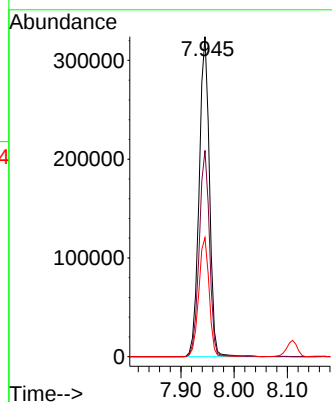
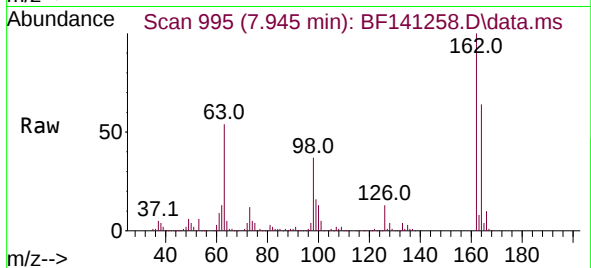




#29  
2,4-Dichlorophenol  
Concen: 52.268 ng  
RT: 7.945 min Scan# 997  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

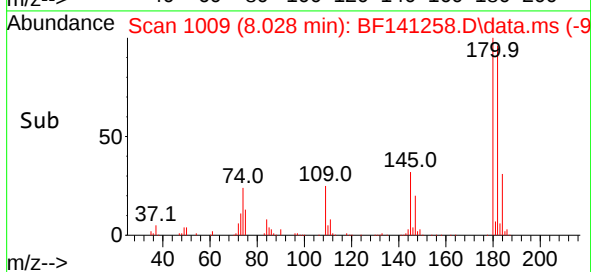
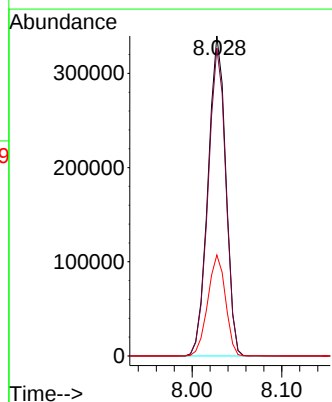
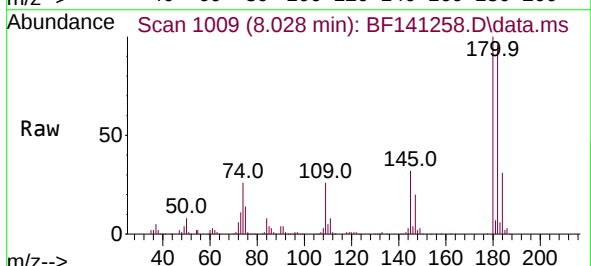
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:162 Resp: 434563  
Ion Ratio Lower Upper  
162 100  
164 64.4 44.5 84.5  
98 37.2 18.5 58.5



#30  
1,2,4-Trichlorobenzene  
Concen: 49.061 ng  
RT: 8.028 min Scan# 1009  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:180 Resp: 466251  
Ion Ratio Lower Upper  
180 100  
182 96.2 76.2 114.2  
145 31.5 25.3 37.9

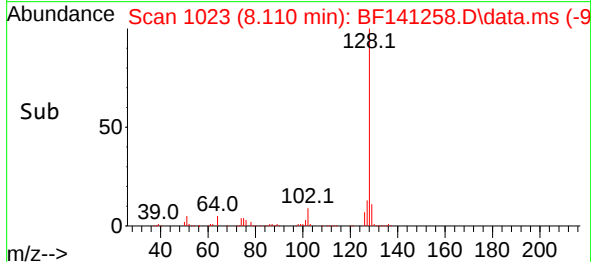
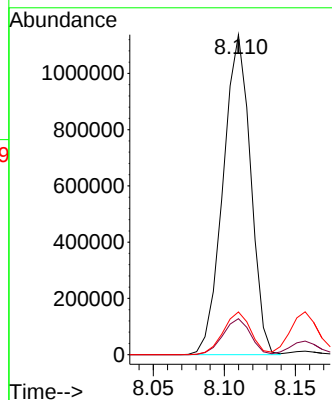
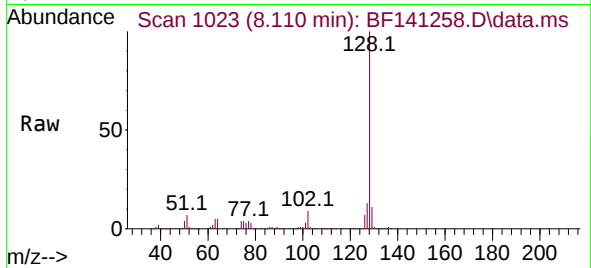




#31  
Naphthalene  
Concen: 50.038 ng  
RT: 8.110 min Scan# 1026  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

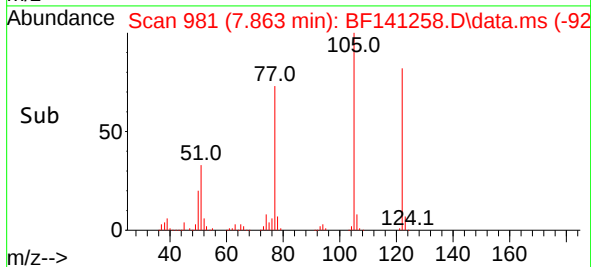
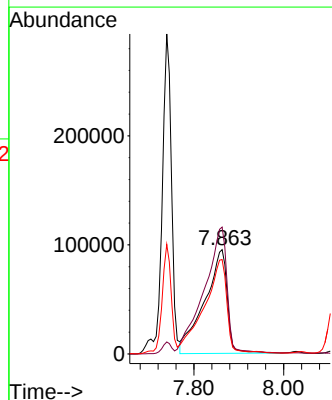
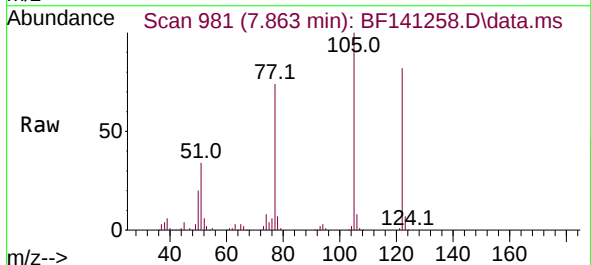
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:128 Resp: 1531283  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.3 10.8 16.2



#32  
Benzoic acid  
Concen: 49.857 ng  
RT: 7.863 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:122 Resp: 334809  
Ion Ratio Lower Upper  
122 100  
105 121.7 105.5 145.5  
77 90.5 75.1 115.1

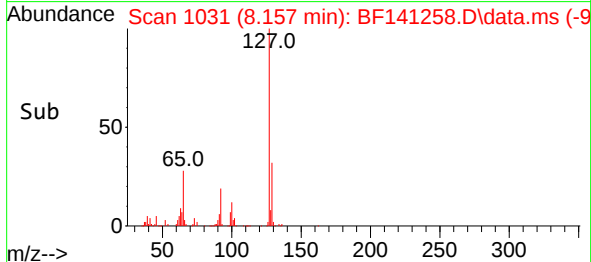
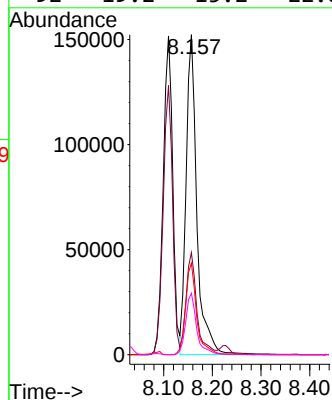
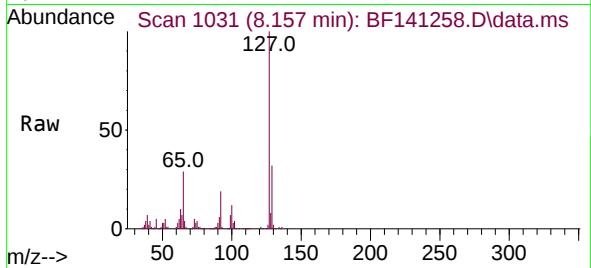




#33  
4-Chloroaniline  
Concen: 22.035 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

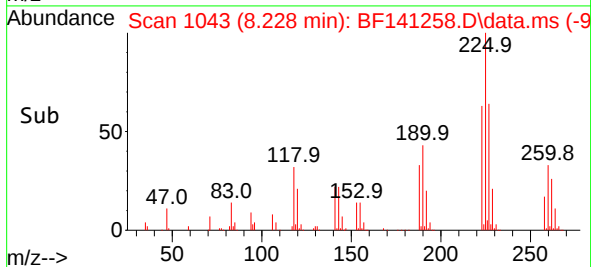
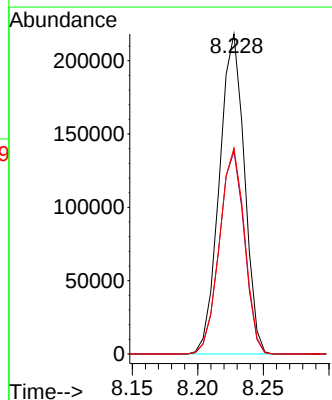
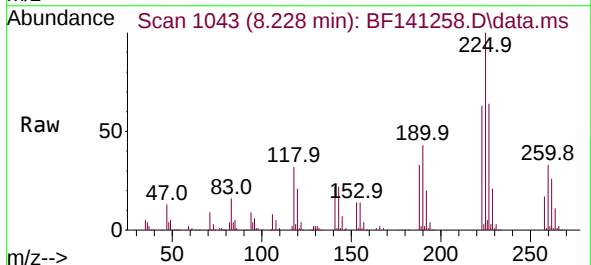
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 233206 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 31.9    | 25.9 38.9    |
| 65 28.6     | 23.8 35.8    |
| 92 19.2     | 15.2 22.8    |



#34  
Hexachlorobutadiene  
Concen: 50.530 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:225 | Resp: | 289352 |
| Ion | Ratio   | Lower | Upper  |
| 225 | 100     |       |        |
| 223 | 63.3    | 50.6  | 76.0   |
| 227 | 64.3    | 51.6  | 77.4   |

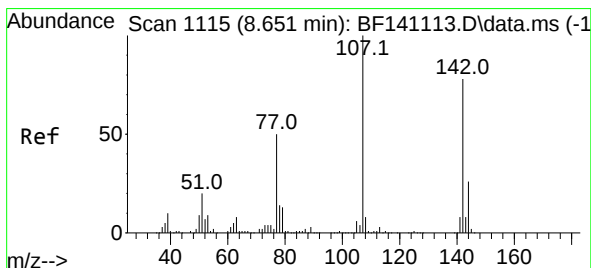
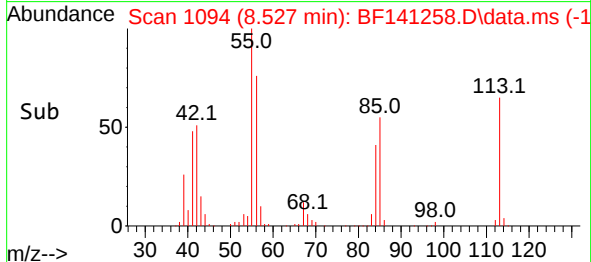
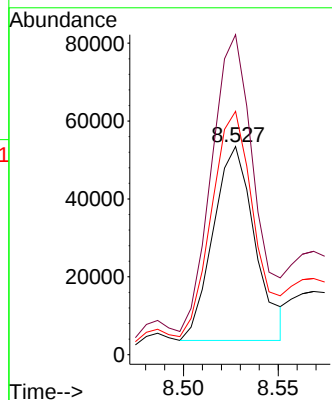
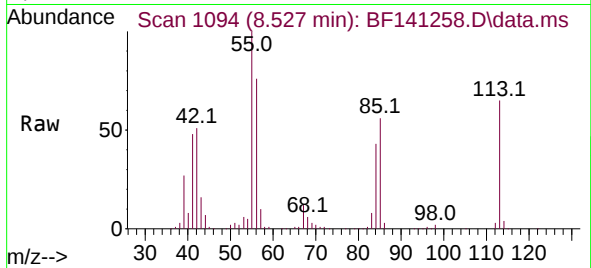




#35  
 Caprolactam  
 Concen: 28.171 ng  
 RT: 8.527 min Scan# 1094  
 Delta R.T. -0.018 min  
 Lab File: BF141258.D  
 Acq: 24 Jan 2025 13:09

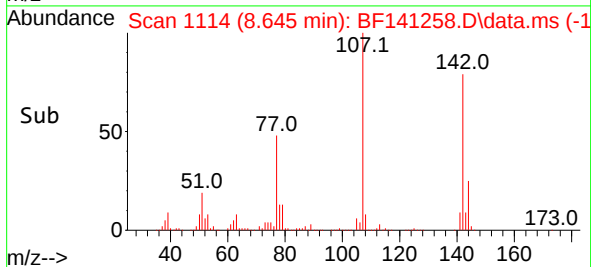
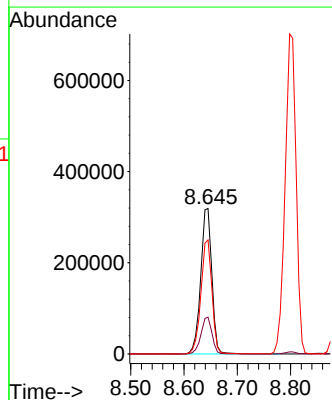
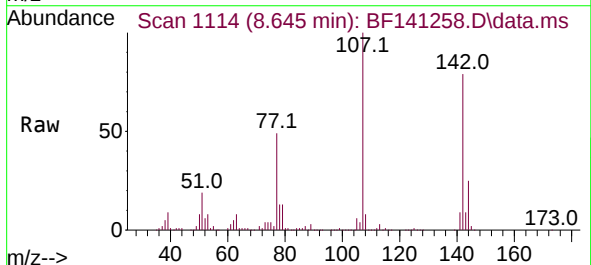
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166216BS

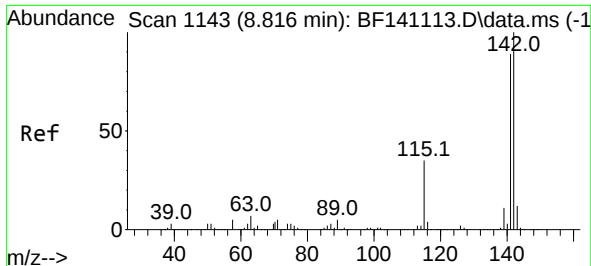
Tgt Ion:113 Resp: 76681  
 Ion Ratio Lower Upper  
 113 100  
 55 153.8 139.7 179.7  
 56 117.0 99.4 139.4



#36  
 4-Chloro-3-methylphenol  
 Concen: 50.954 ng  
 RT: 8.645 min Scan# 1114  
 Delta R.T. -0.006 min  
 Lab File: BF141258.D  
 Acq: 24 Jan 2025 13:09

Tgt Ion:107 Resp: 463314  
 Ion Ratio Lower Upper  
 107 100  
 144 25.3 20.4 30.6  
 142 78.5 62.2 93.2





#37

2-Methylnaphthalene

Concen: 51.371 ng

RT: 8.798 min Scan# 1140

Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

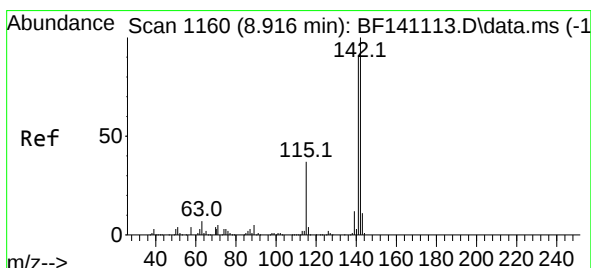
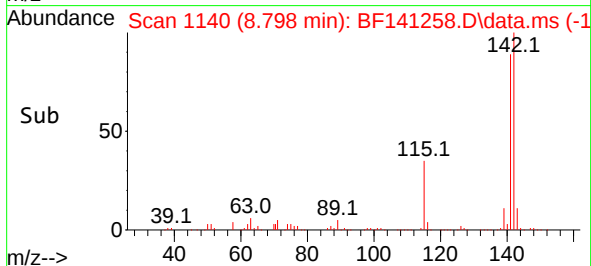
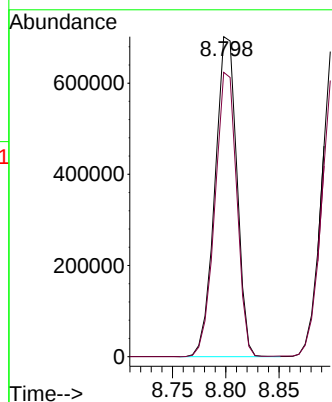
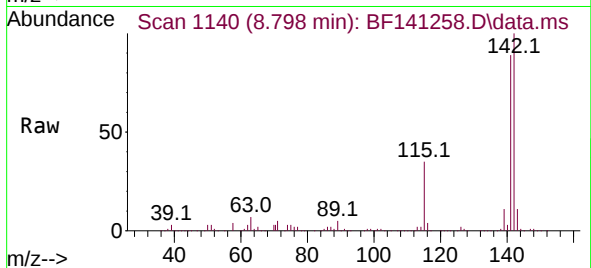
PB166216BS

Tgt Ion:142 Resp: 1001778

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 48.881 ng

RT: 8.898 min Scan# 1157

Delta R.T. -0.018 min

Lab File: BF141258.D

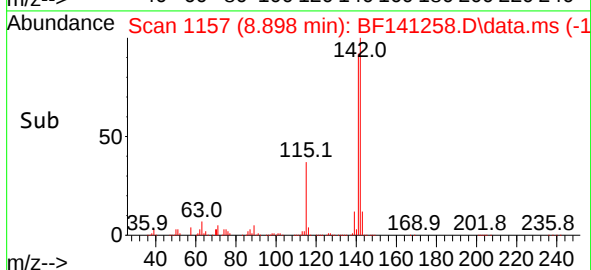
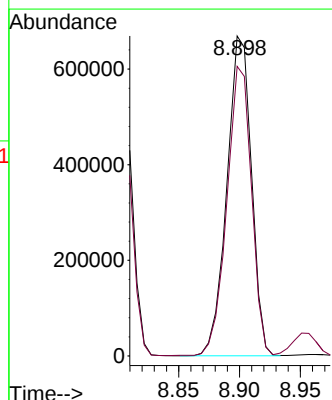
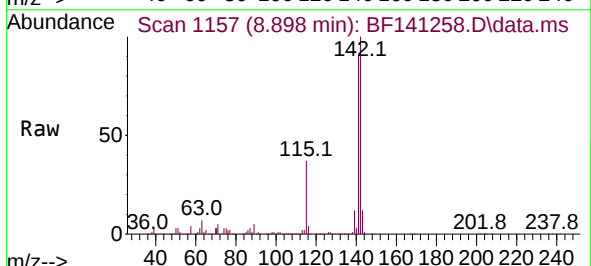
Acq: 24 Jan 2025 13:09

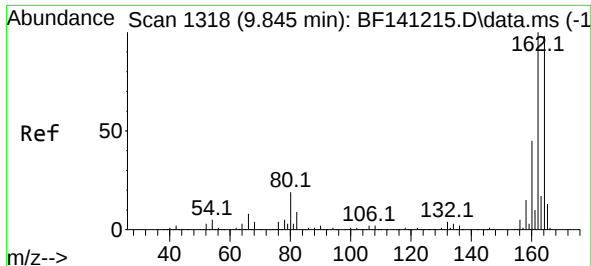
Tgt Ion:142 Resp: 939426

Ion Ratio Lower Upper

142 100

141 90.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1169

Delta R.T. -0.018 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

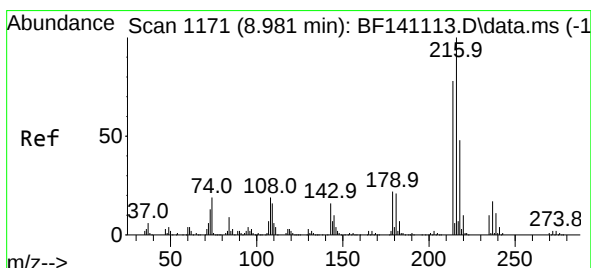
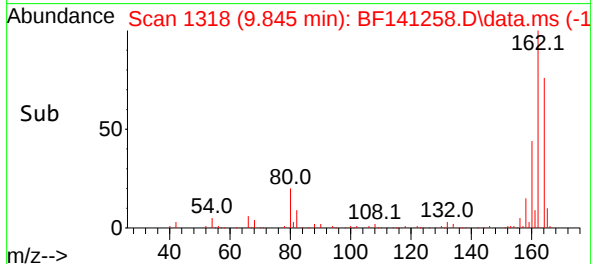
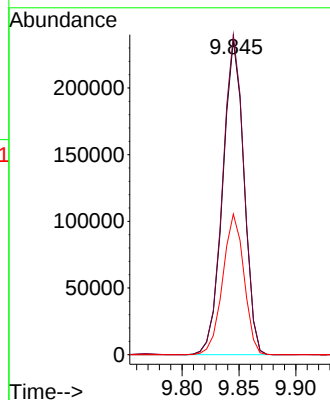
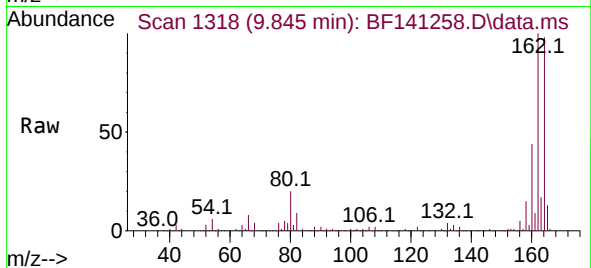
Tgt Ion:164 Resp: 306712

Ion Ratio Lower Upper

164 100

162 101.7 81.0 121.4

160 44.7 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.091 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Tgt Ion:216 Resp: 467372

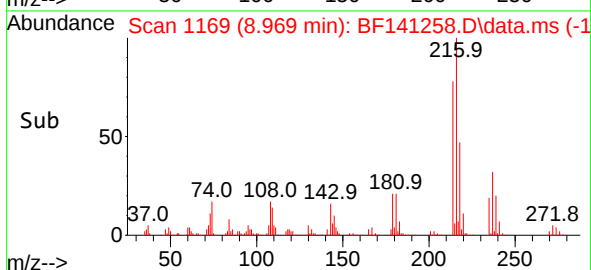
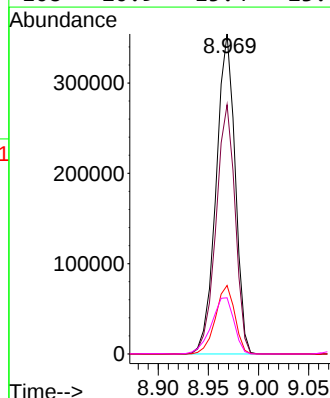
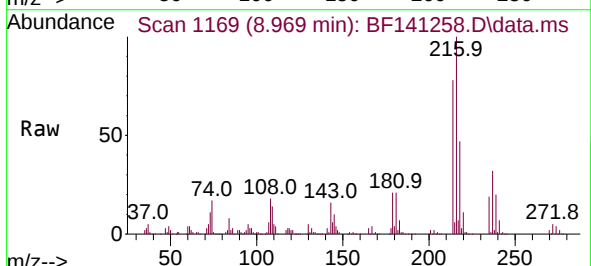
Ion Ratio Lower Upper

216 100

214 78.0 62.6 94.0

179 21.7 17.7 26.5

108 20.9 15.4 23.0

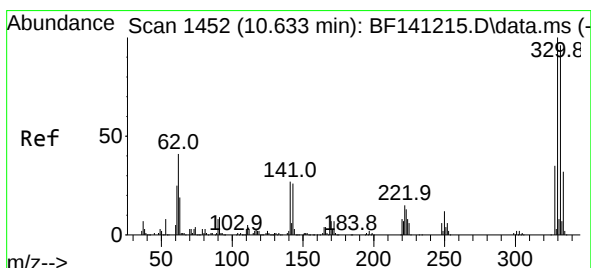
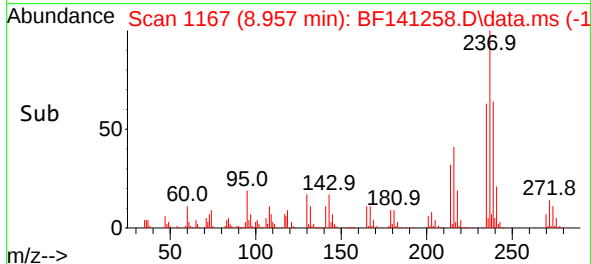
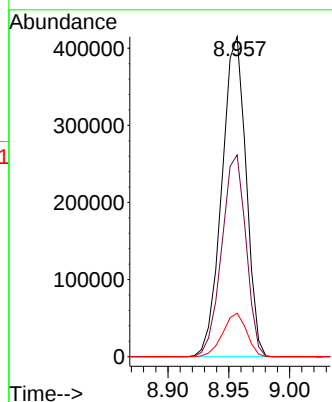
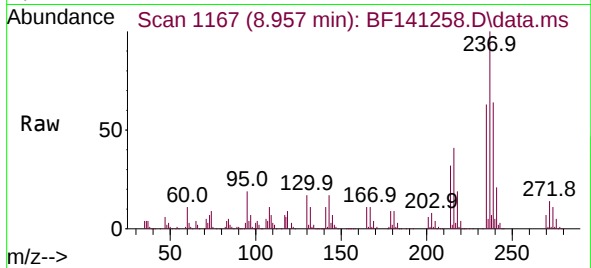




#41  
Hexachlorocyclopentadiene  
Concen: 199.122 ng  
RT: 8.957 min Scan# 1167  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

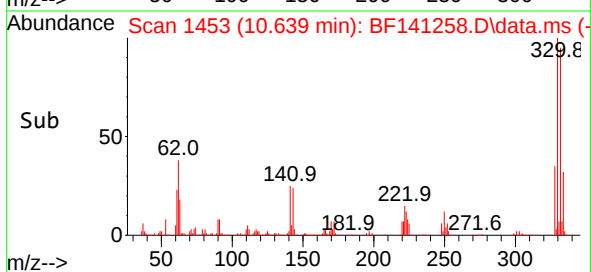
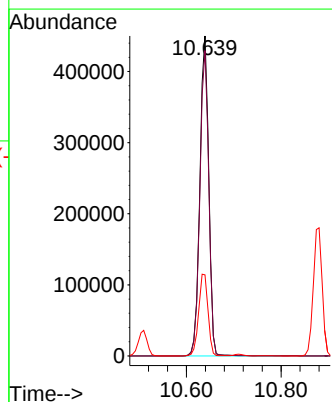
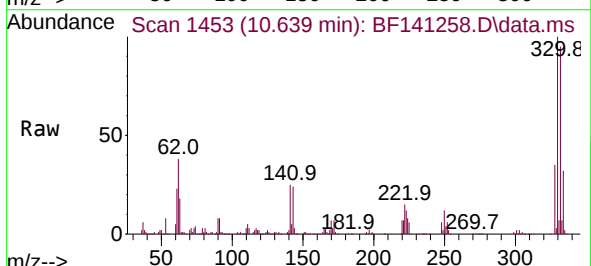
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:237 Resp: 573495  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.0 83.0  
272 13.6 0.0 33.0



#42  
2,4,6-Tribromophenol  
Concen: 167.279 ng  
RT: 10.639 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:330 Resp: 584603  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.9 115.3  
141 27.0 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 52.643 ng

RT: 9.080 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

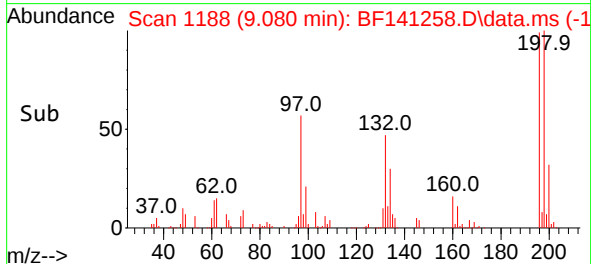
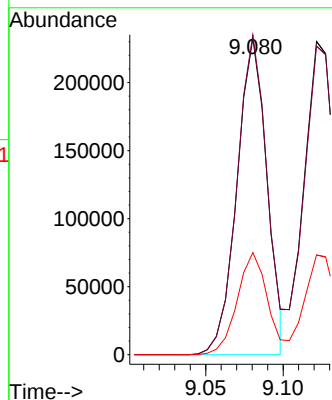
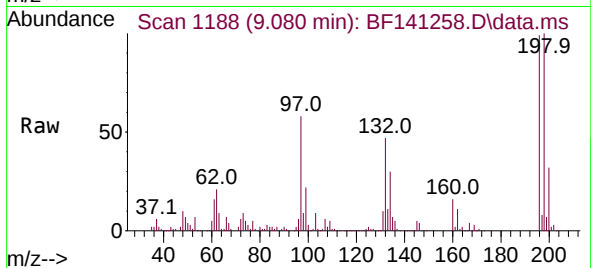
Tgt Ion:196 Resp: 312554

Ion Ratio Lower Upper

196 100

198 101.2 80.8 121.2

200 32.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 51.689 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Tgt Ion:196 Resp: 324112

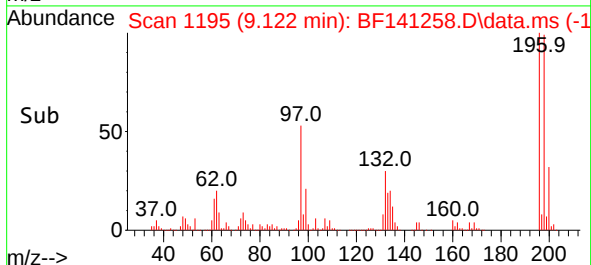
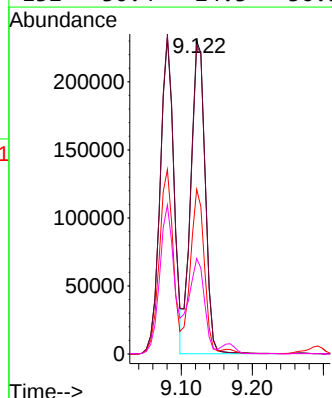
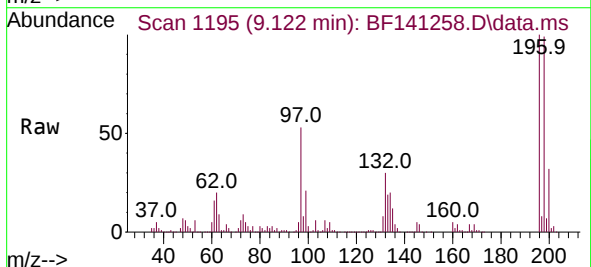
Ion Ratio Lower Upper

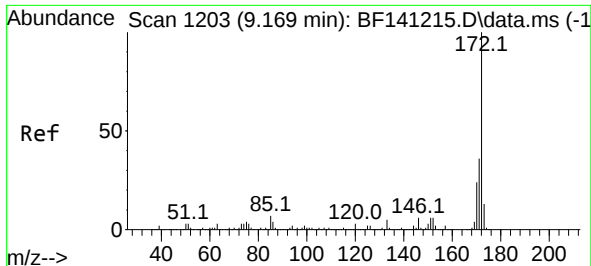
196 100

198 98.5 80.6 120.8

97 52.6 43.1 64.7

132 30.4 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 104.984 ng

RT: 9.169 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

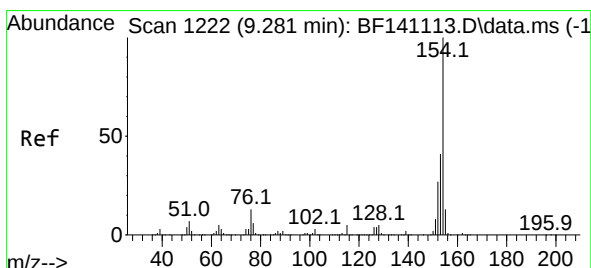
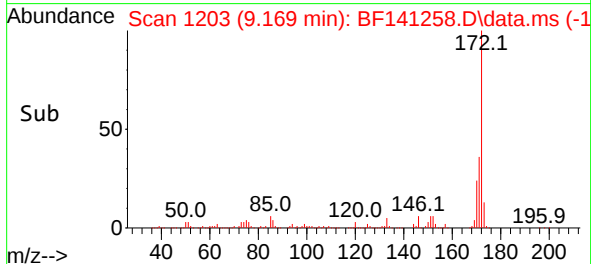
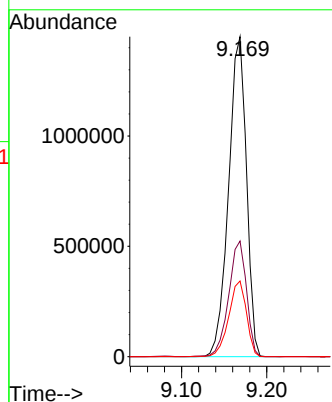
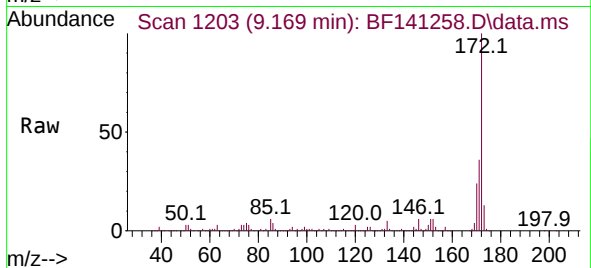
Tgt Ion:172 Resp: 2108637

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 51.378 ng

RT: 9.269 min Scan# 1220

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

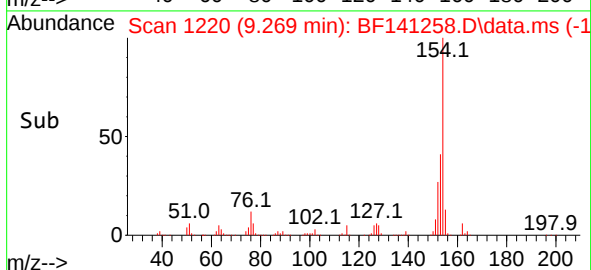
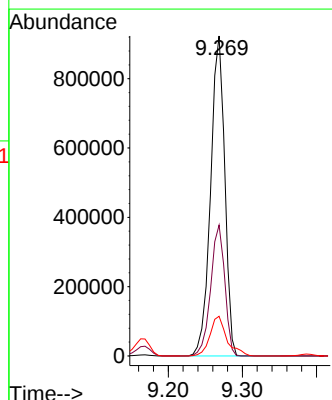
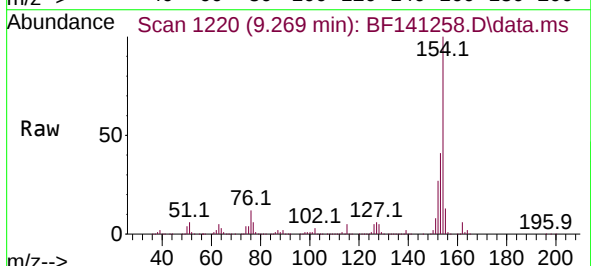
Tgt Ion:154 Resp: 1223792

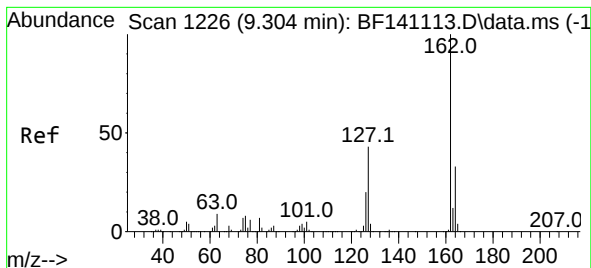
Ion Ratio Lower Upper

154 100

153 40.9 20.7 60.7

76 12.4 0.0 33.1





#47

2-Chloronaphthalene

Concen: 50.272 ng

RT: 9.292 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

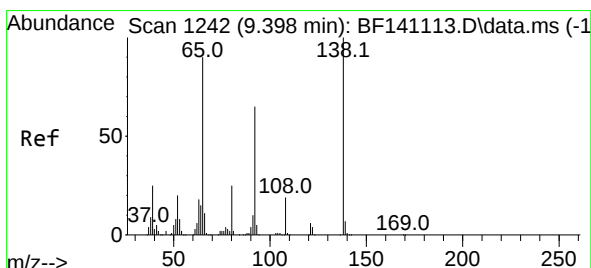
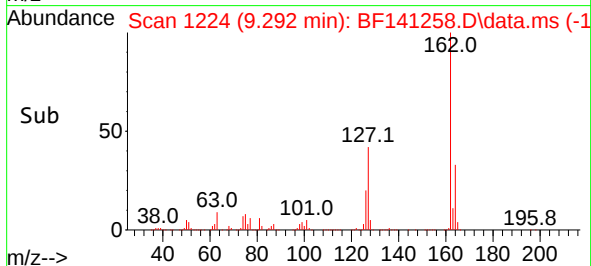
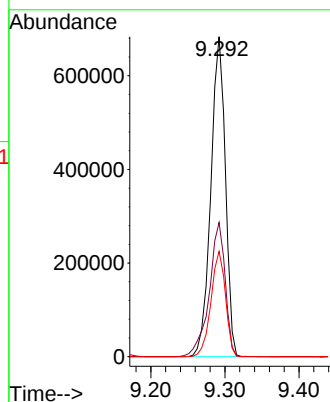
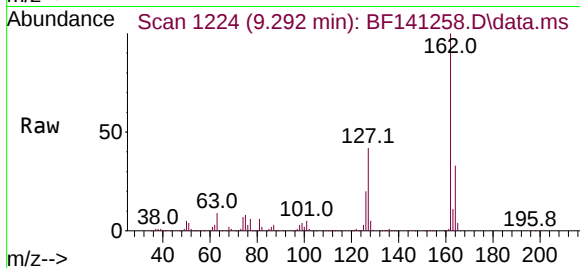
Tgt Ion:162 Resp: 932649

Ion Ratio Lower Upper

162 100

127 41.9 34.6 51.8

164 32.9 26.5 39.7



#48

2-Nitroaniline

Concen: 49.871 ng

RT: 9.386 min Scan# 1240

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

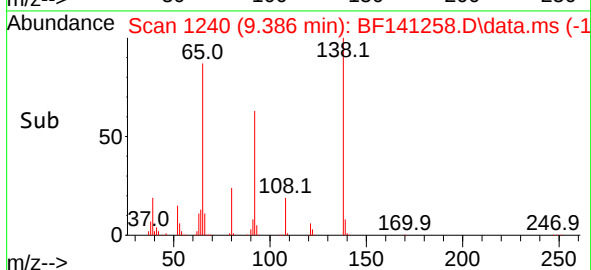
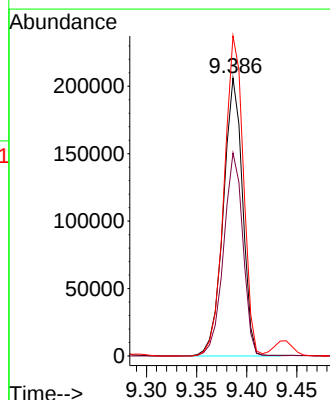
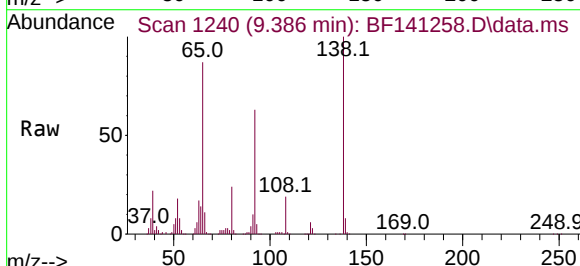
Tgt Ion: 65 Resp: 274264

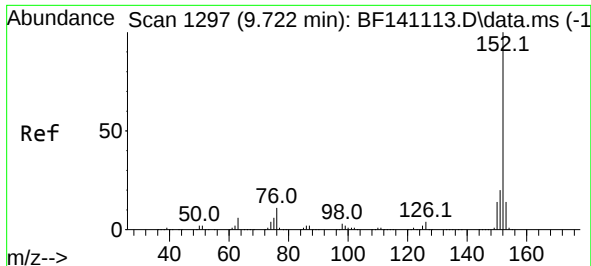
Ion Ratio Lower Upper

65 100

92 73.1 58.3 87.5

138 115.2 89.1 133.7





#49

Acenaphthylene

Concen: 54.256 ng

RT: 9.710 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

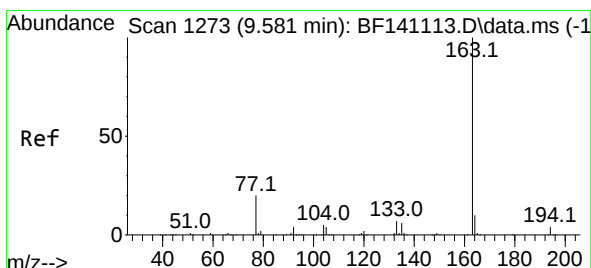
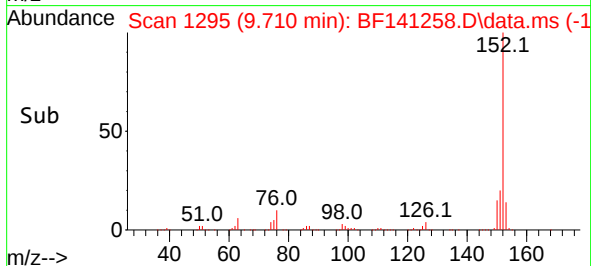
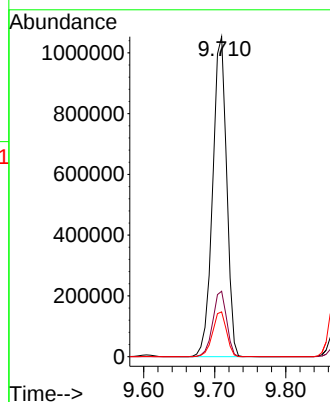
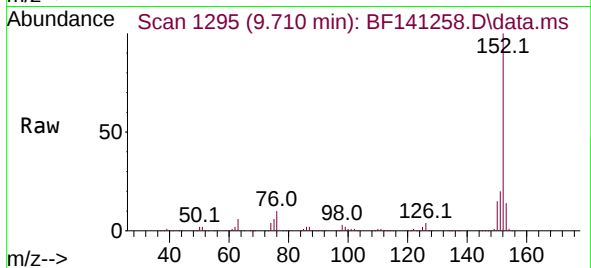
Tgt Ion:152 Resp: 1438081

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 14.0 11.1 16.7



#50

Dimethylphthalate

Concen: 52.524 ng

RT: 9.569 min Scan# 1271

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

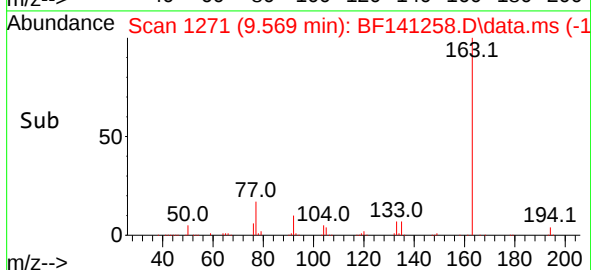
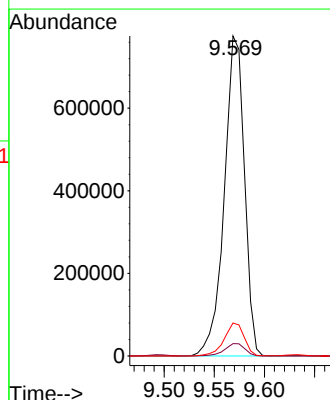
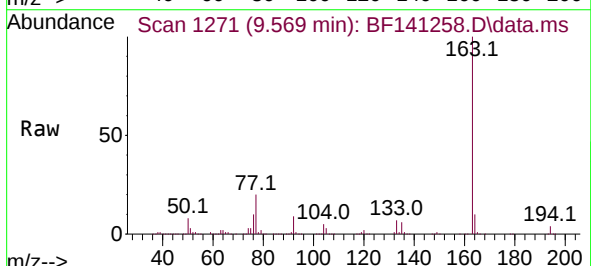
Tgt Ion:163 Resp: 1081507

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.3 8.2 12.4

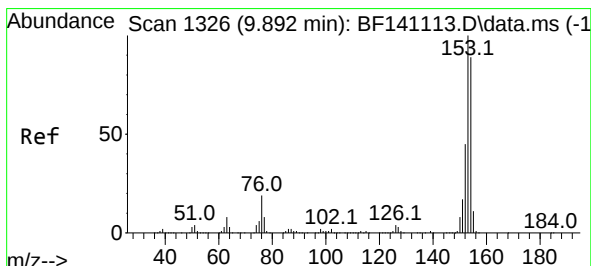
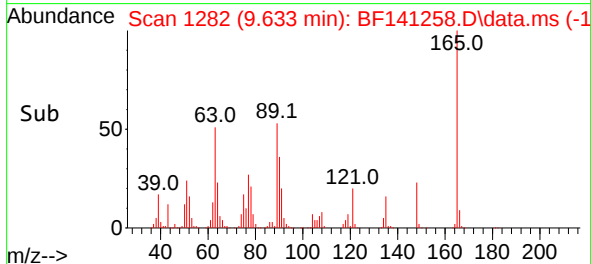
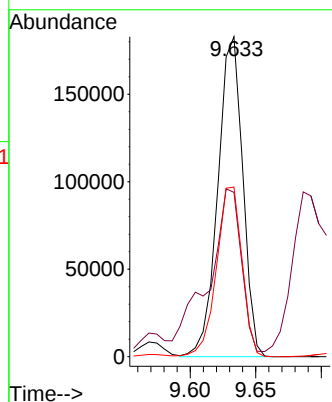
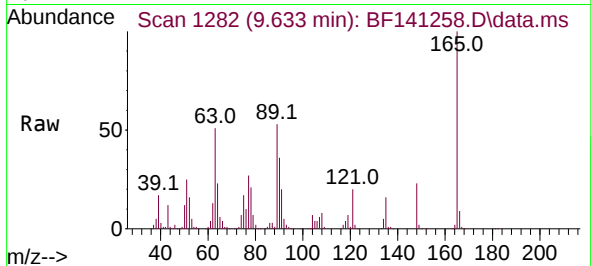




#51  
2,6-Dinitrotoluene  
Concen: 50.407 ng  
RT: 9.633 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

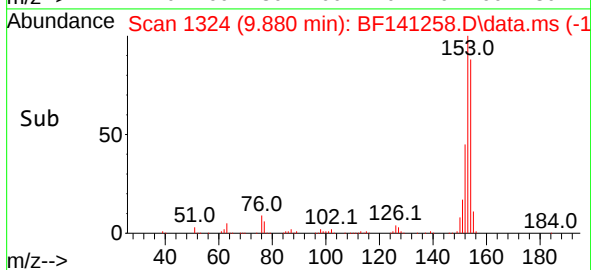
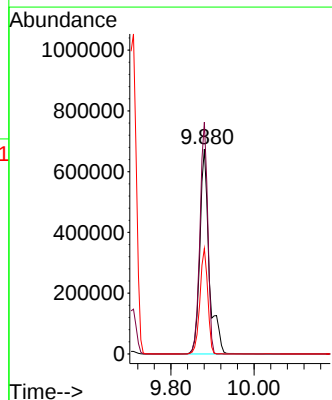
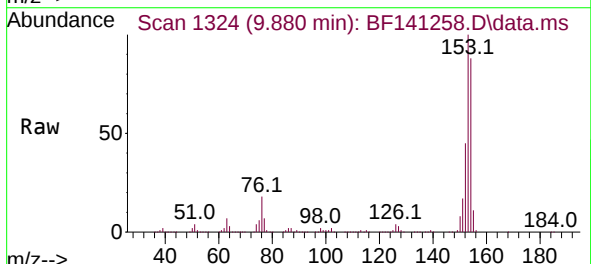
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:165 Resp: 241366  
Ion Ratio Lower Upper  
165 100  
63 51.3 42.3 63.5  
89 53.0 43.1 64.7



#52  
Acenaphthene  
Concen: 57.020 ng  
RT: 9.880 min Scan# 1324  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:154 Resp: 1055897  
Ion Ratio Lower Upper  
154 100  
153 113.2 89.8 134.6  
152 51.4 40.8 61.2

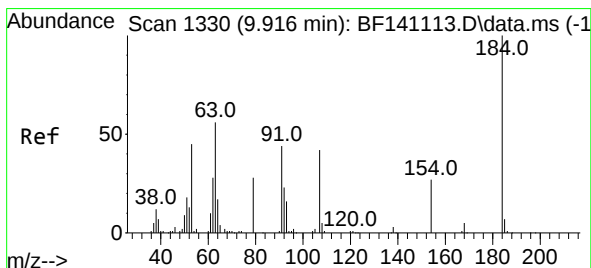
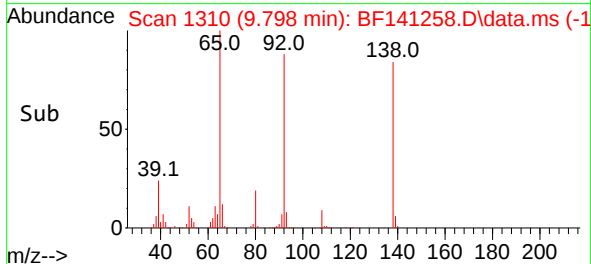
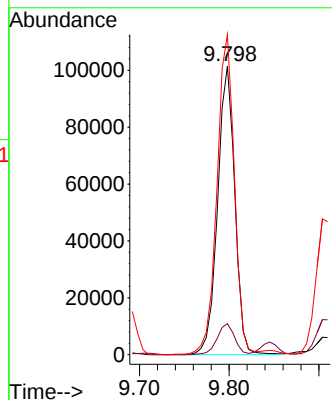
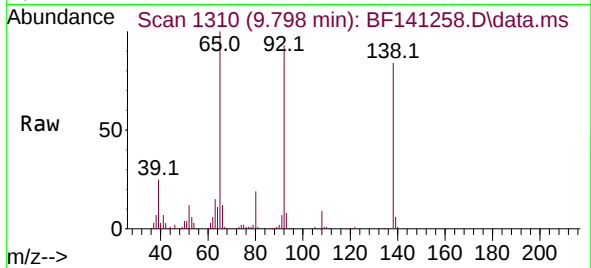




#53  
3-Nitroaniline  
Concen: 27.764 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

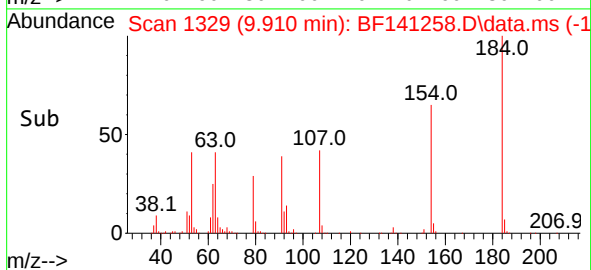
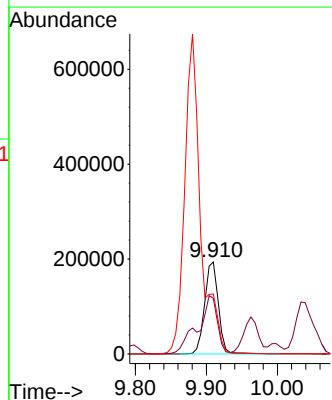
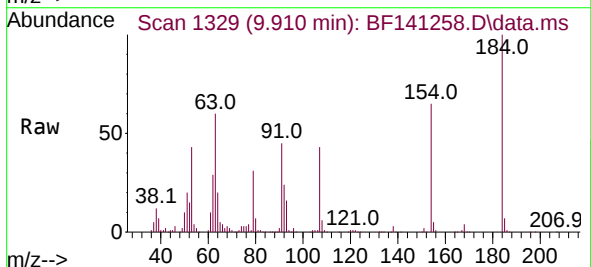
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

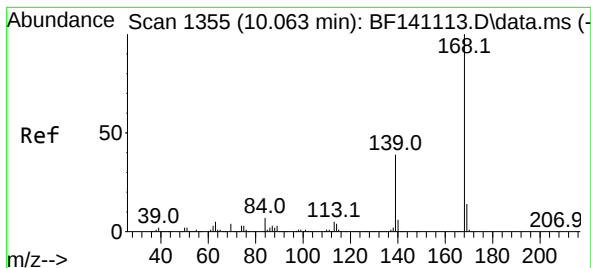
Tgt Ion:138 Resp: 135096  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.8 13.2  
92 110.9 91.3 136.9



#54  
2,4-Dinitrophenol  
Concen: 115.323 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:184 Resp: 262472  
Ion Ratio Lower Upper  
184 100  
63 60.5 48.7 73.1  
154 65.3 57.1 85.7

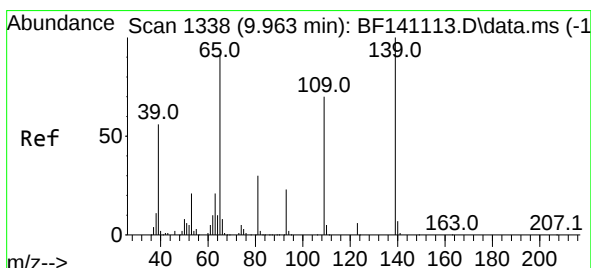
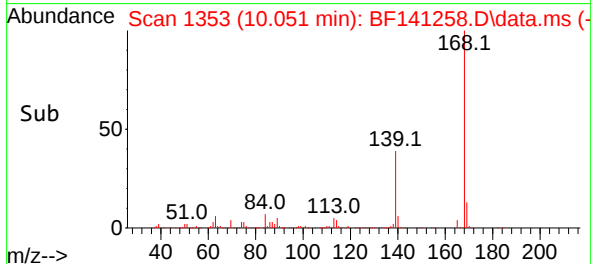
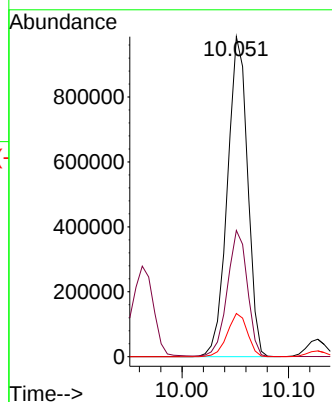
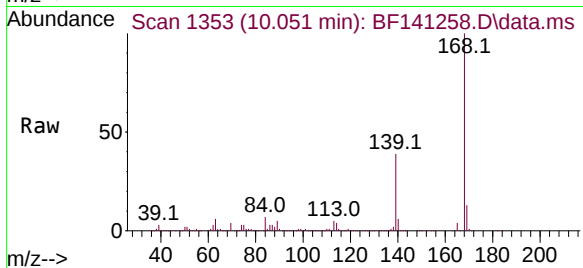




#55  
Dibenzofuran  
Concen: 51.575 ng  
RT: 10.051 min Scan# 1353  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

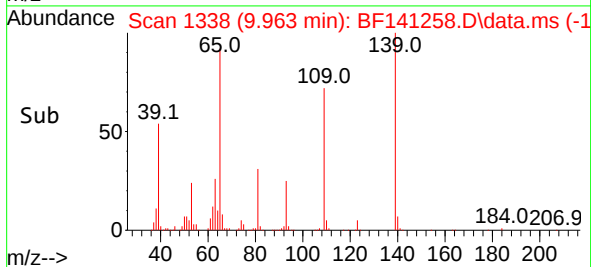
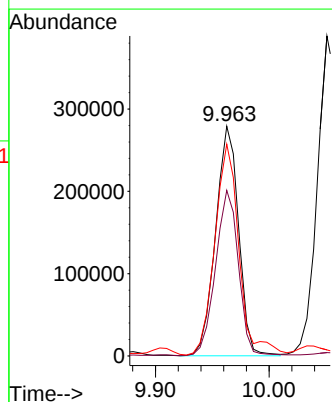
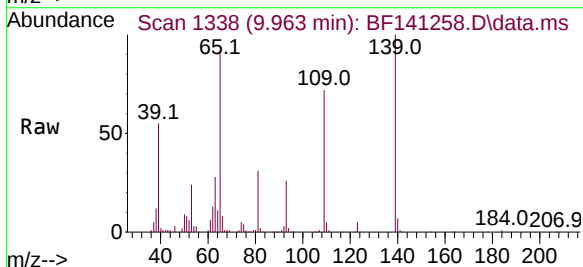
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

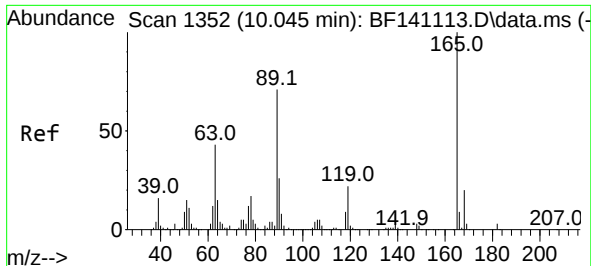
Tgt Ion:168 Resp: 1299079  
Ion Ratio Lower Upper  
168 100  
139 39.4 31.4 47.0  
169 13.5 10.9 16.3



#56  
4-Nitrophenol  
Concen: 103.126 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:139 Resp: 392996  
Ion Ratio Lower Upper  
139 100  
109 72.1 50.2 90.2  
65 92.2 72.1 112.1

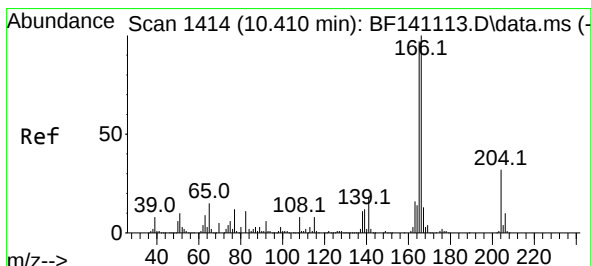
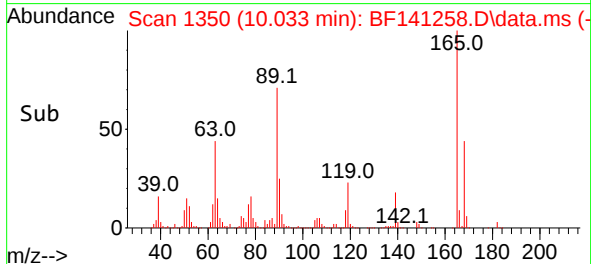
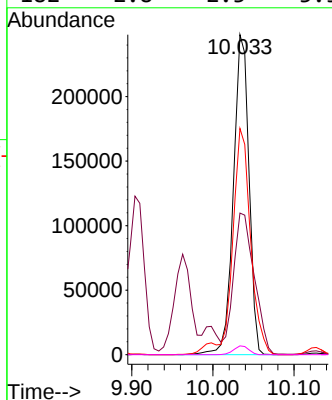
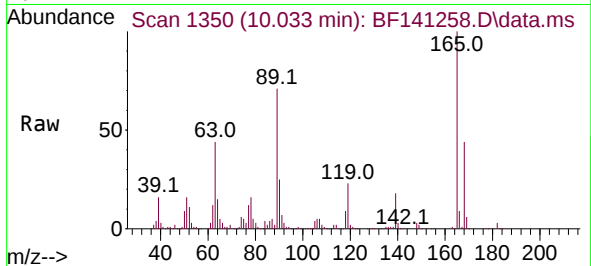




#57  
2,4-Dinitrotoluene  
Concen: 53.370 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

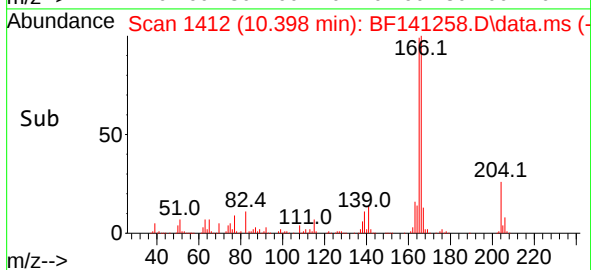
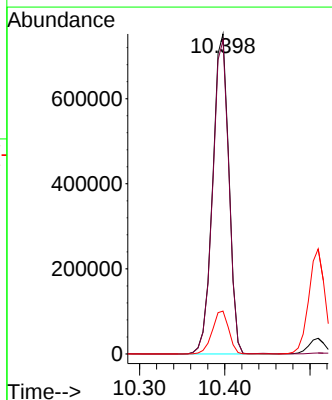
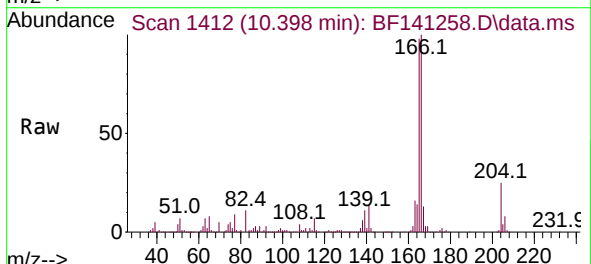
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

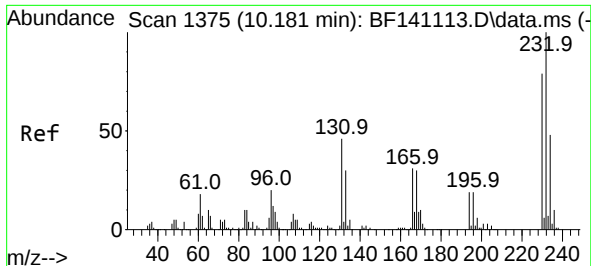
Tgt Ion:165 Resp: 329336  
Ion Ratio Lower Upper  
165 100  
63 44.3 35.0 52.4  
89 70.7 56.7 85.1  
182 2.8 2.3 3.5



#58  
Fluorene  
Concen: 50.645 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:166 Resp: 991064  
Ion Ratio Lower Upper  
166 100  
165 98.0 77.8 116.8  
167 13.4 10.8 16.2

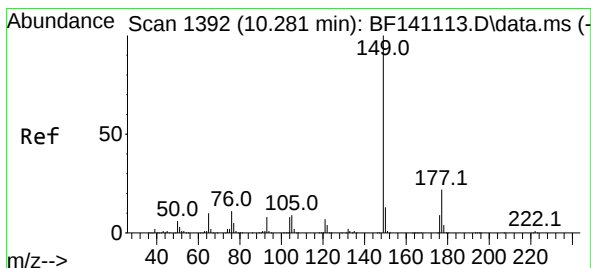
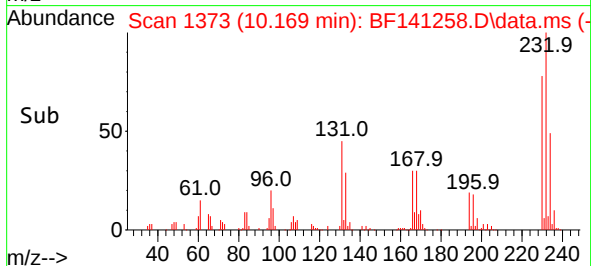
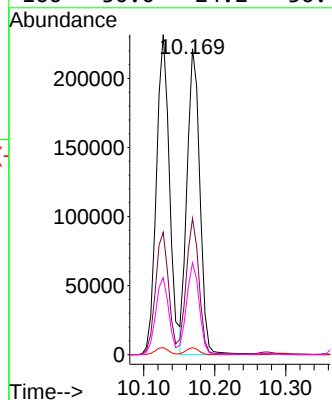
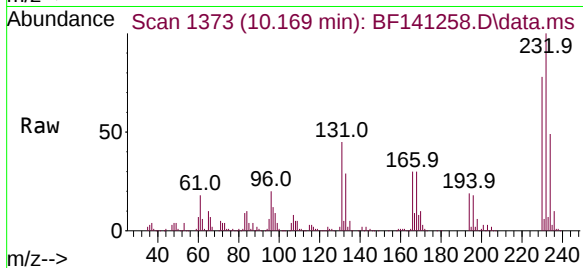




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 52.955 ng  
RT: 10.169 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

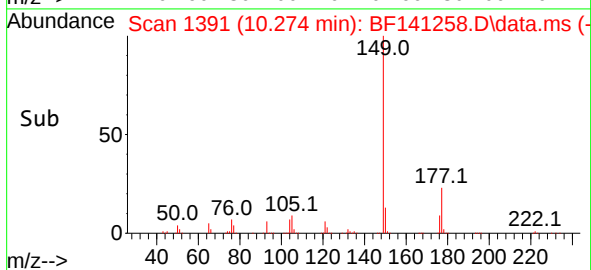
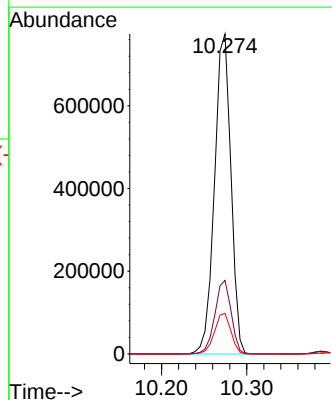
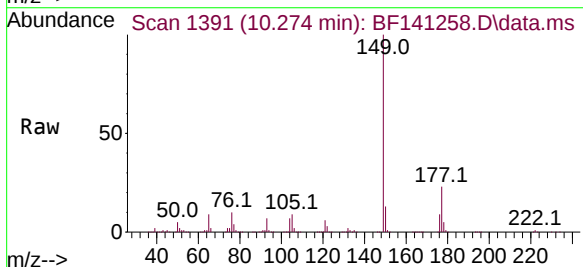
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

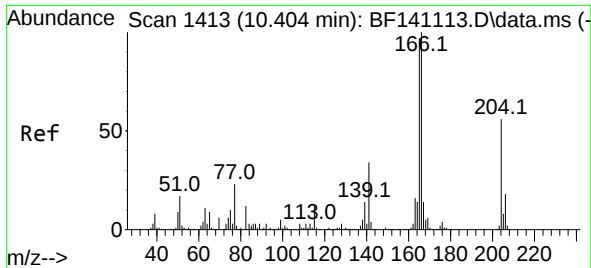
Tgt Ion:232 Resp: 276007  
Ion Ratio Lower Upper  
232 100  
131 44.9 36.2 54.4  
130 2.3 2.0 3.0  
166 30.0 24.2 36.4



#60  
Diethylphthalate  
Concen: 51.681 ng  
RT: 10.274 min Scan# 1391  
Delta R.T. -0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:149 Resp: 1038876  
Ion Ratio Lower Upper  
149 100  
177 23.0 17.9 26.9  
150 12.7 10.2 15.2

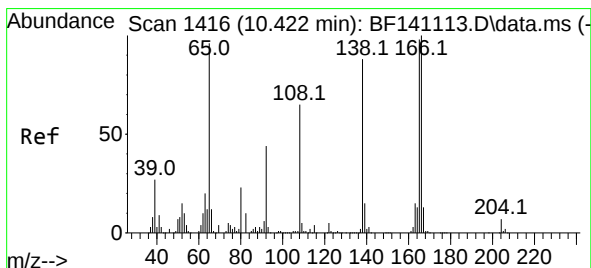
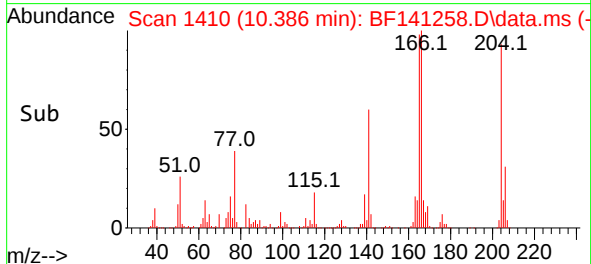
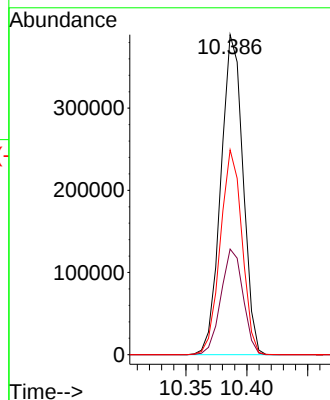
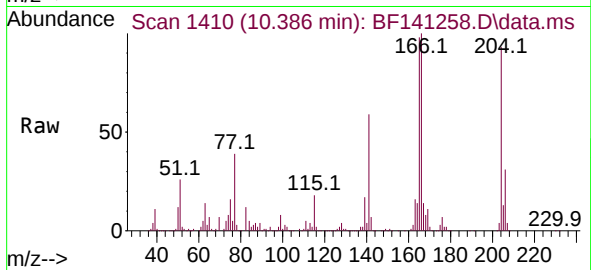




#61  
4-Chlorophenyl-phenylether  
Concen: 51.611 ng  
RT: 10.386 min Scan# 1413  
Delta R.T. -0.018 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

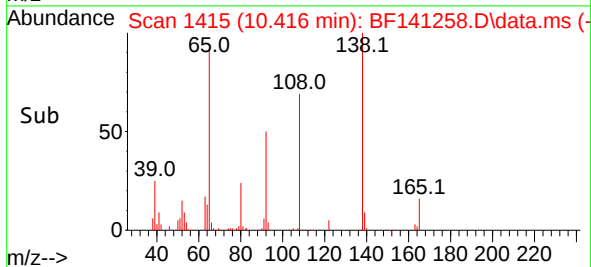
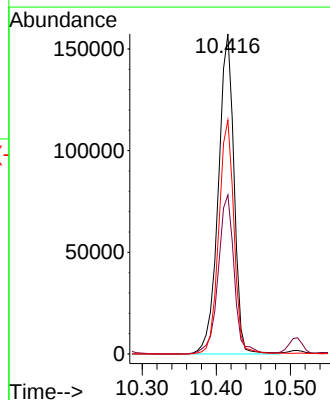
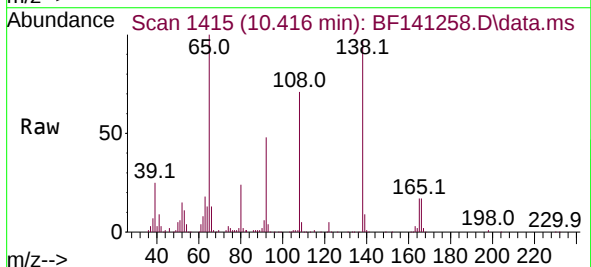
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

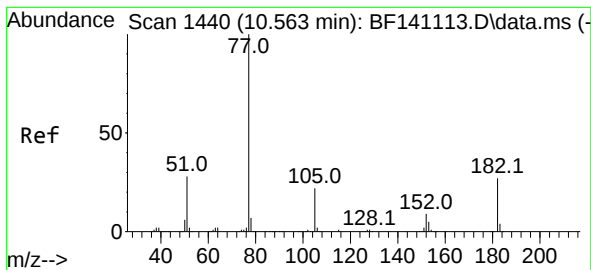
Tgt Ion:204 Resp: 492249  
Ion Ratio Lower Upper  
204 100  
206 33.0 25.9 38.9  
141 64.0 49.1 73.7



#62  
4-Nitroaniline  
Concen: 48.781 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:138 Resp: 232319  
Ion Ratio Lower Upper  
138 100  
92 49.7 29.4 69.4  
108 73.1 53.7 93.7





#63

Azobenzene

Concen: 50.814 ng

RT: 10.551 min Scan# 1440

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

Tgt Ion: 77 Resp: 1007904

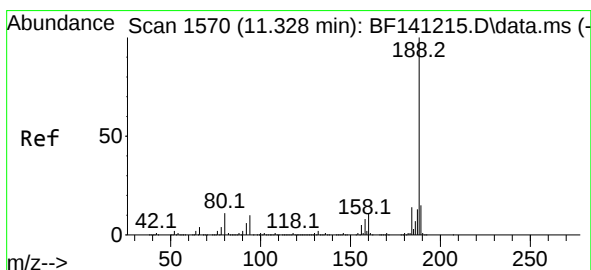
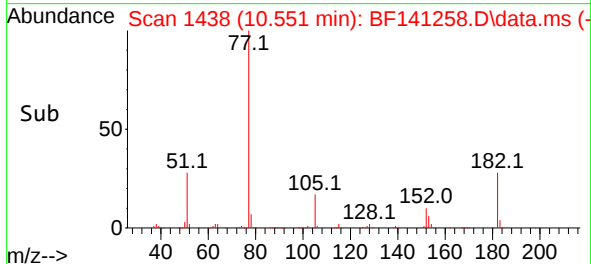
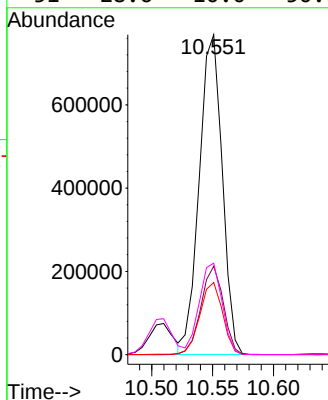
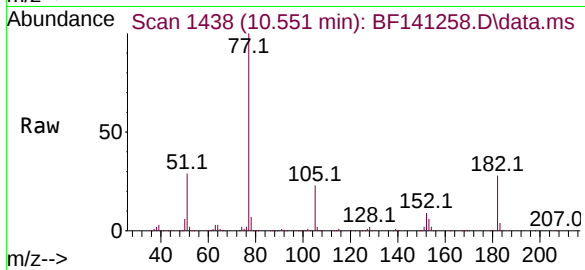
Ion Ratio Lower Upper

77 100

182 27.6 6.1 46.1

105 22.6 2.1 42.1

51 28.6 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

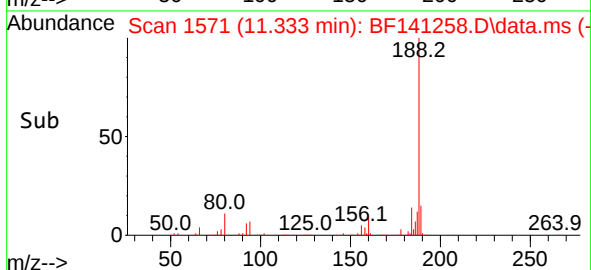
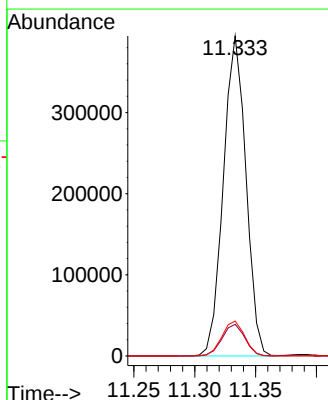
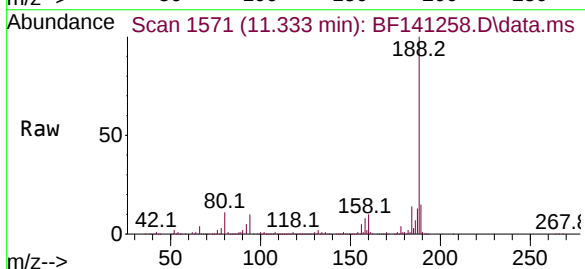
Tgt Ion:188 Resp: 508622

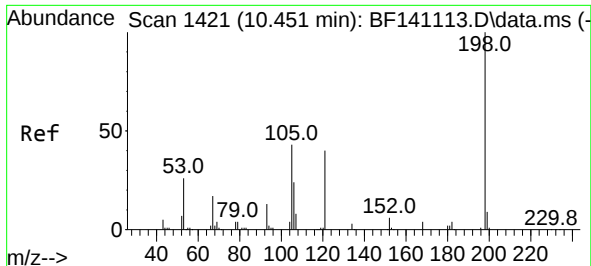
Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.9 9.0 13.4

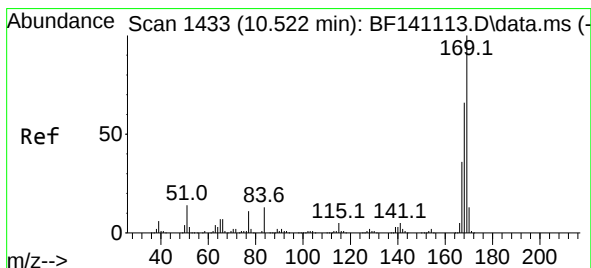
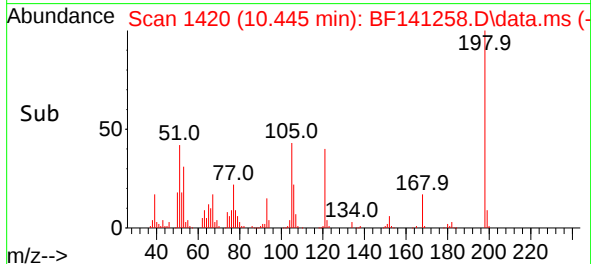
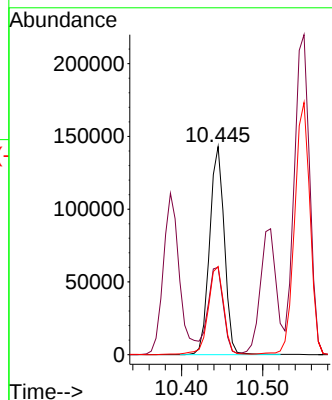
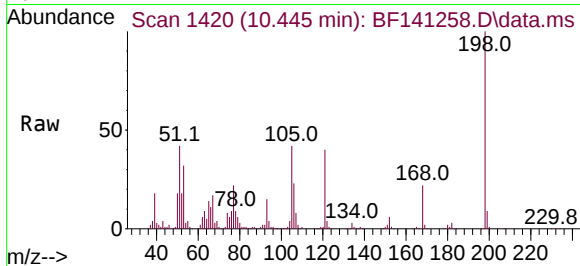




#65  
4,6-Dinitro-2-methylphenol  
Concen: 61.107 ng  
RT: 10.445 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

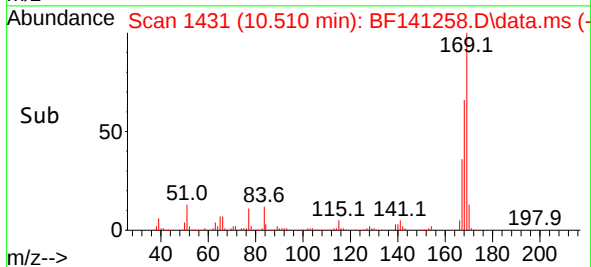
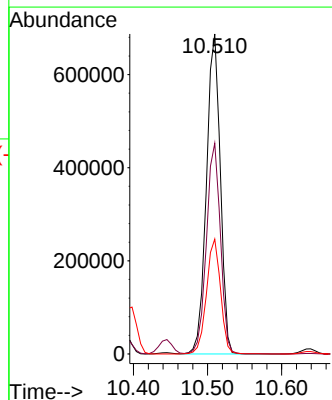
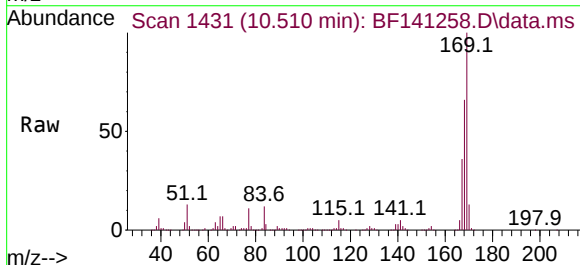
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

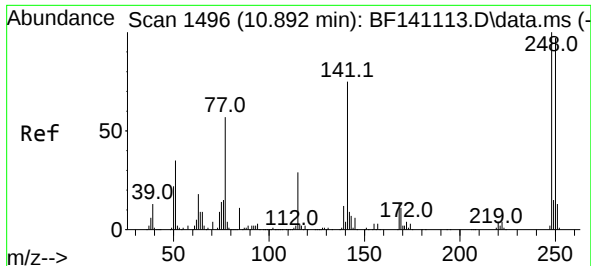
Tgt Ion:198 Resp: 180102  
Ion Ratio Lower Upper  
198 100  
51 42.0 27.1 67.1  
105 42.4 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 54.572 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:169 Resp: 895264  
Ion Ratio Lower Upper  
169 100  
168 65.9 52.5 78.7  
167 35.9 28.9 43.3

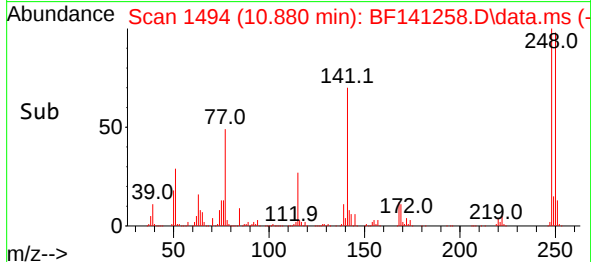
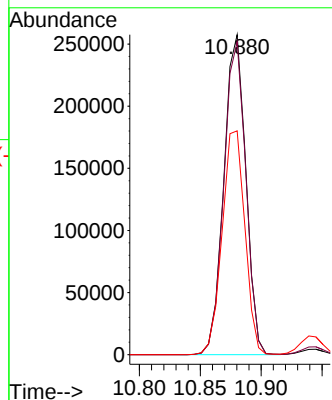
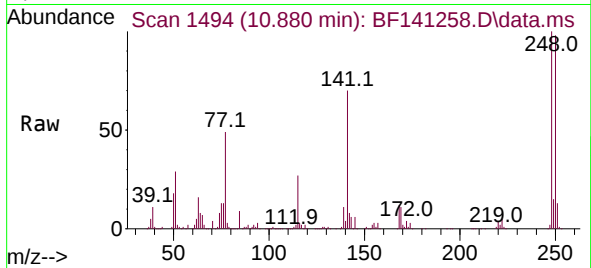




#67  
4-Bromophenyl-phenylether  
Concen: 55.264 ng  
RT: 10.880 min Scan# 1494  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

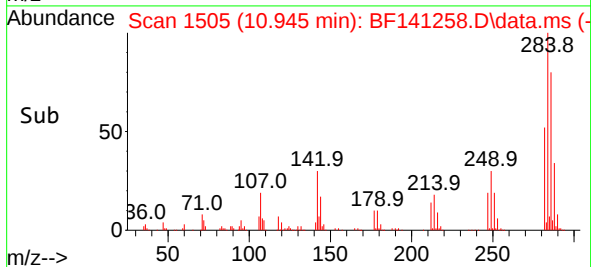
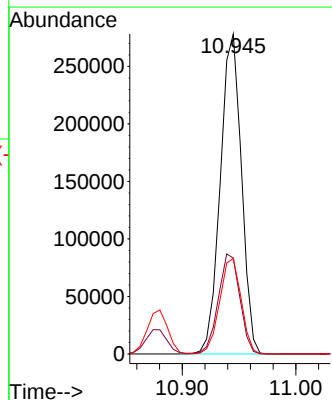
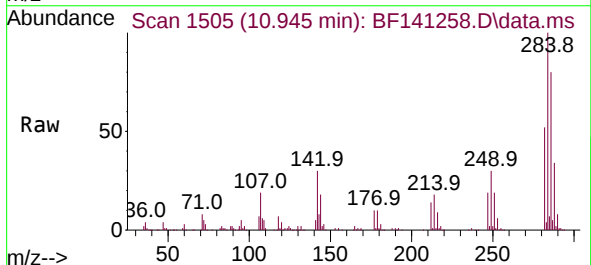
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

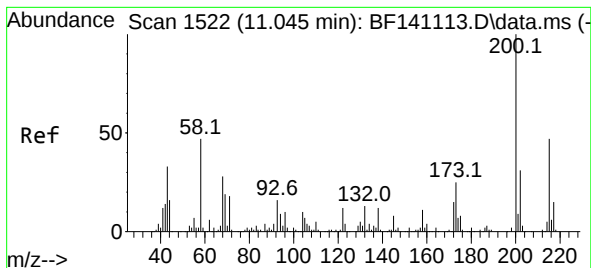
Tgt Ion:248 Resp: 323613  
Ion Ratio Lower Upper  
248 100  
250 97.8 77.9 116.9  
141 70.0 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 55.186 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:284 Resp: 359733  
Ion Ratio Lower Upper  
284 100  
142 30.0 26.3 39.5  
249 29.9 24.9 37.3





#69

Atrazine

Concen: 68.629 ng

RT: 11.039 min Scan# 1521

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

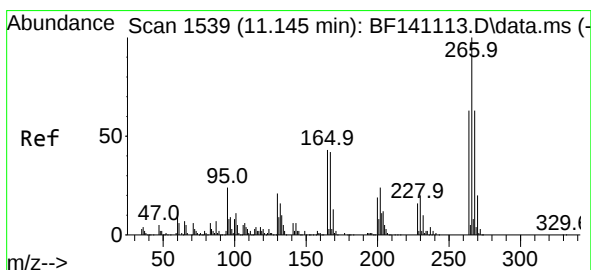
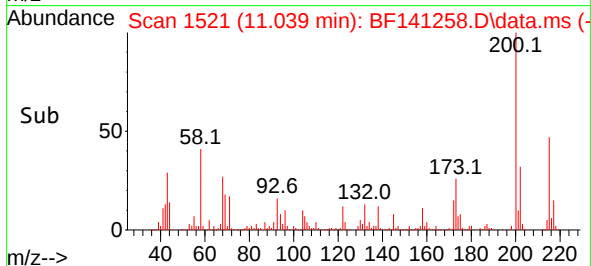
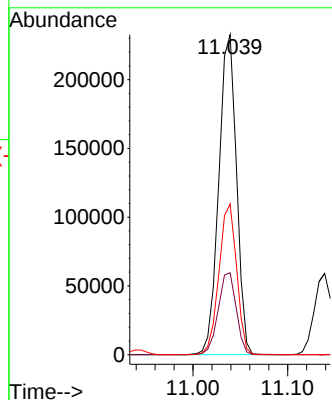
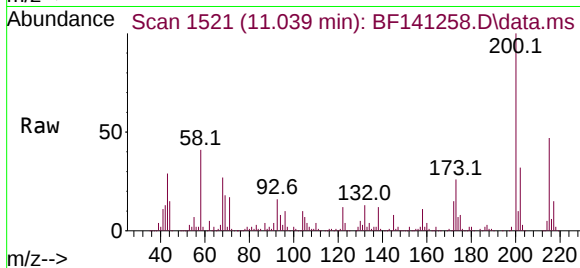
Tgt Ion:200 Resp: 303154

Ion Ratio Lower Upper

200 100

173 25.6 5.4 45.4

215 47.0 26.6 66.6



#70

Pentachlorophenol

Concen: 104.199 ng

RT: 11.139 min Scan# 1538

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

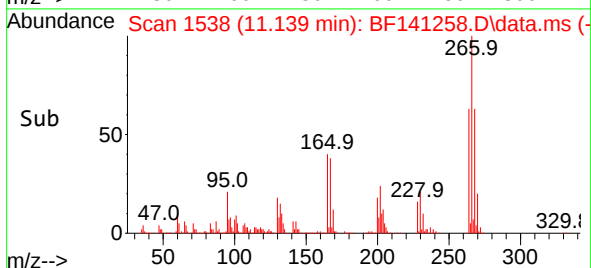
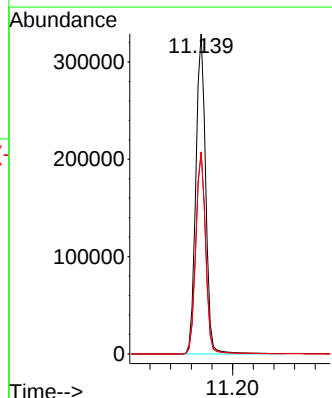
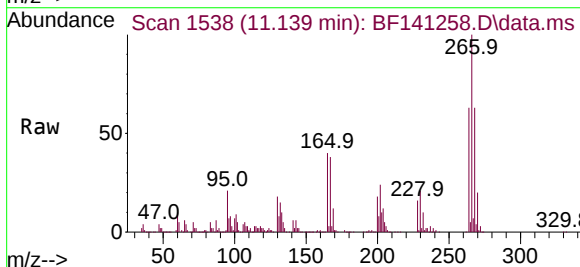
Tgt Ion:266 Resp: 434979

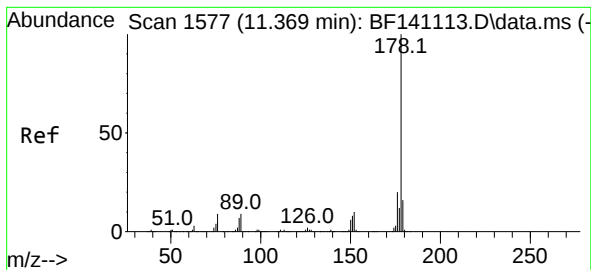
Ion Ratio Lower Upper

266 100

268 63.2 50.4 75.6

264 63.1 50.2 75.2





#71

Phenanthrene

Concen: 53.739 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

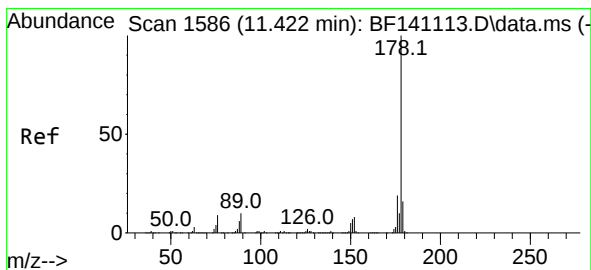
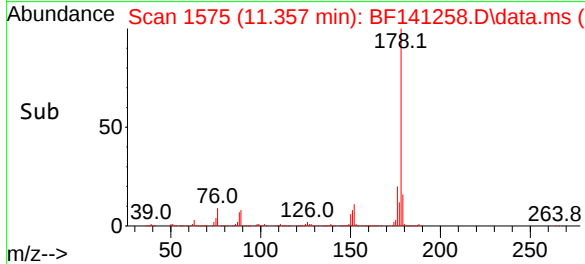
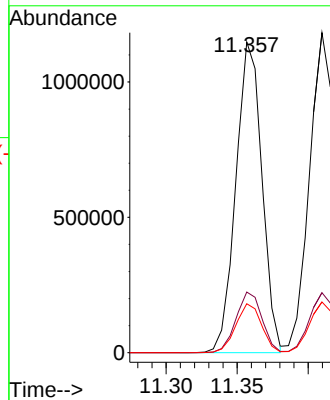
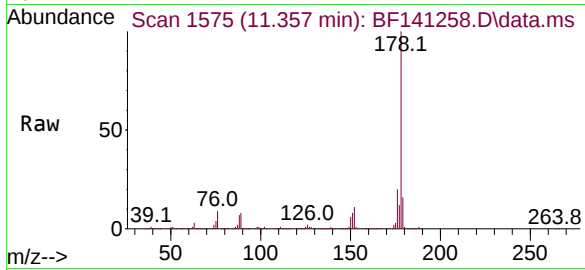
Tgt Ion:178 Resp: 1467412

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.7 12.6 19.0



#72

Anthracene

Concen: 56.651 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

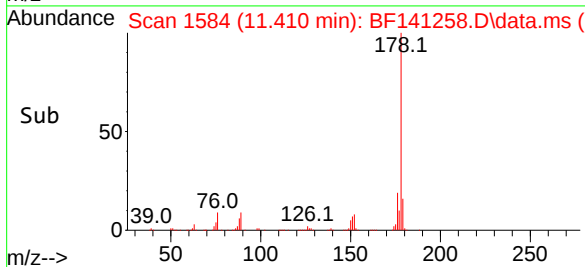
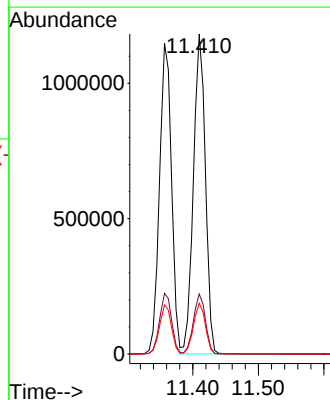
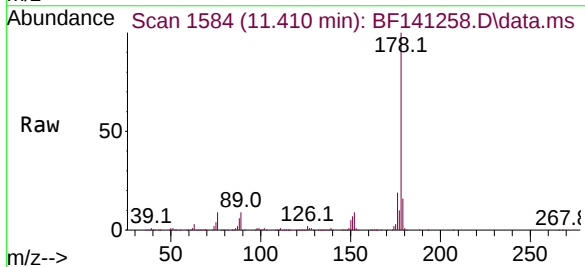
Tgt Ion:178 Resp: 1504155

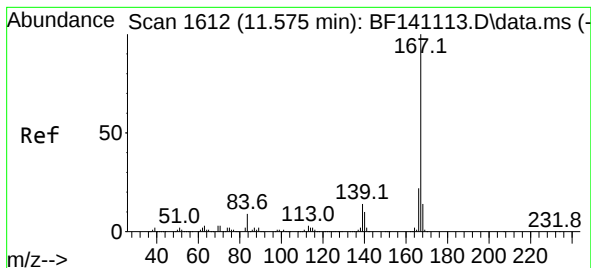
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.9 12.6 19.0





#73

Carbazole

Concen: 53.416 ng

RT: 11.563 min Scan# 1610

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

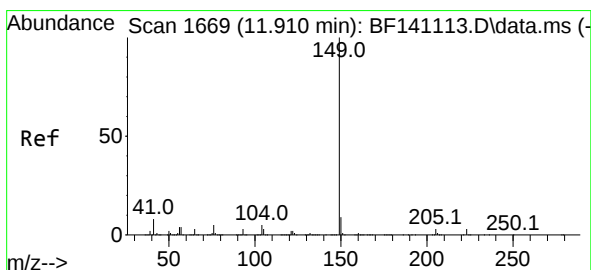
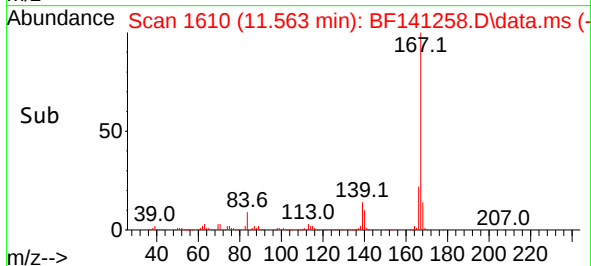
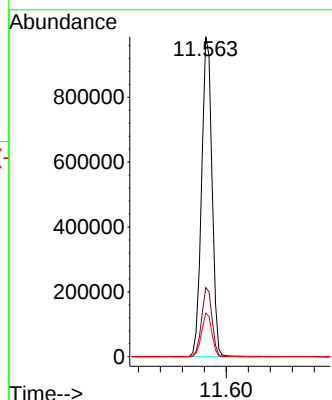
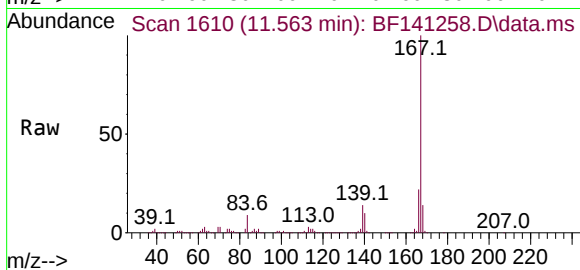
Tgt Ion:167 Resp: 1300460

Ion Ratio Lower Upper

167 100

166 21.6 17.4 26.2

139 13.6 10.9 16.3



#74

Di-n-butylphthalate

Concen: 56.343 ng

RT: 11.898 min Scan# 1667

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

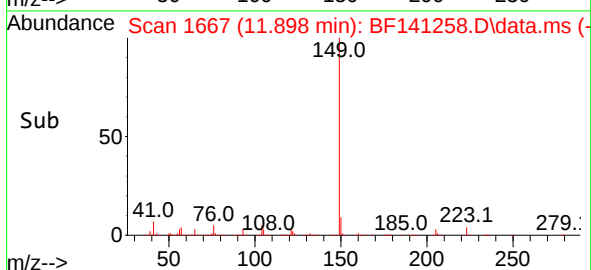
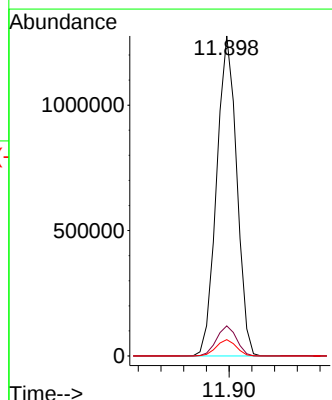
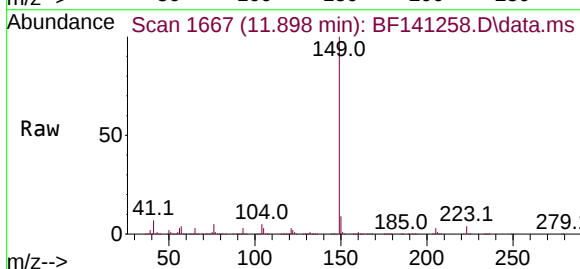
Tgt Ion:149 Resp: 1569825

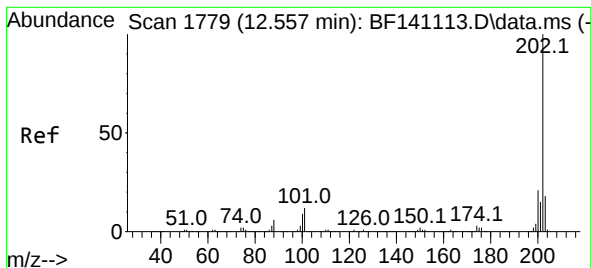
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

104 5.1 4.2 6.2





#75

Fluoranthene

Concen: 54.152 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

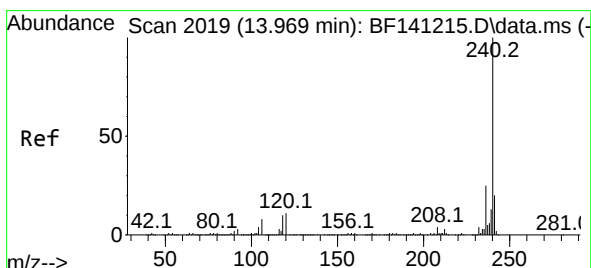
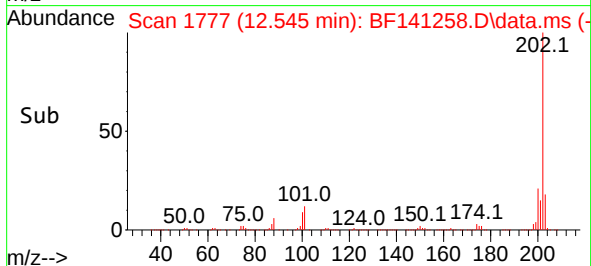
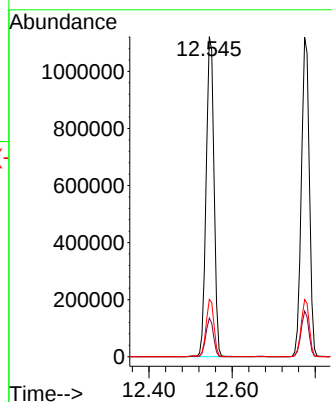
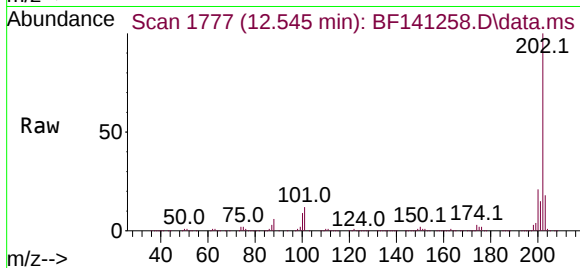
Tgt Ion:202 Resp: 1475583

Ion Ratio Lower Upper

202 100

101 12.0 0.0 32.3

203 17.9 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

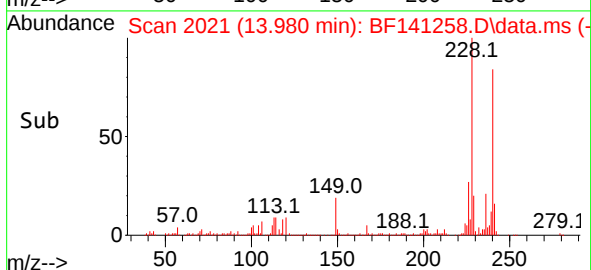
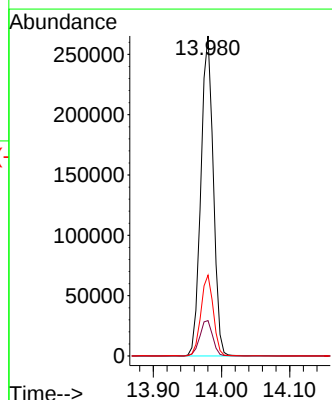
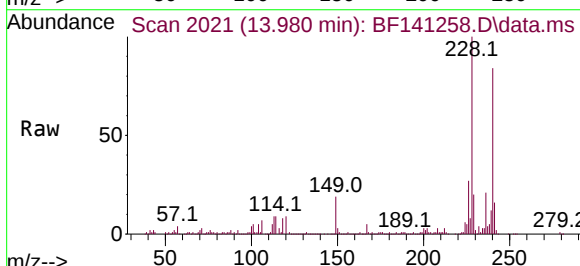
Tgt Ion:240 Resp: 335015

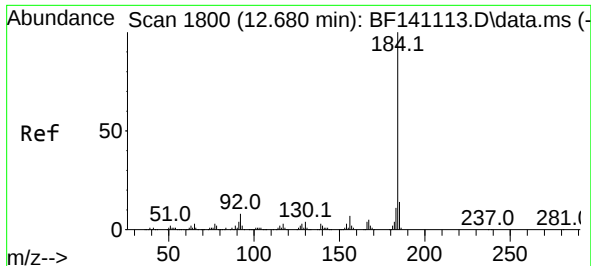
Ion Ratio Lower Upper

240 100

120 11.1 9.1 13.7

236 25.3 19.8 29.6

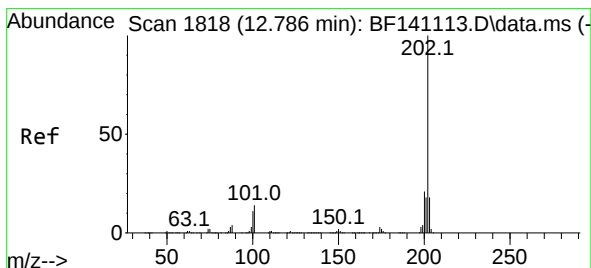
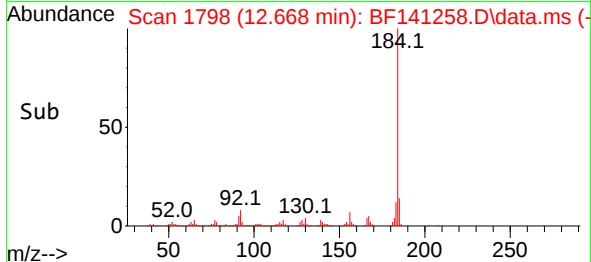
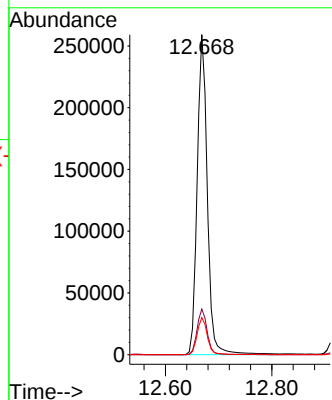
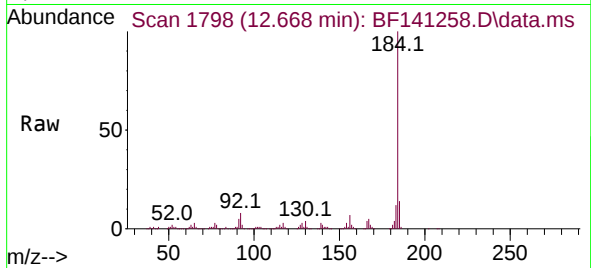




#77  
Benzidine  
Concen: 55.412 ng  
RT: 12.668 min Scan# 1798  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

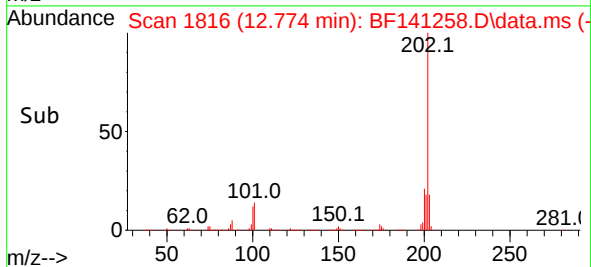
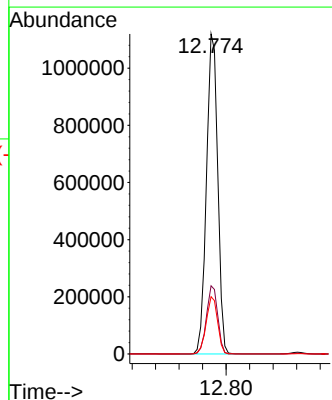
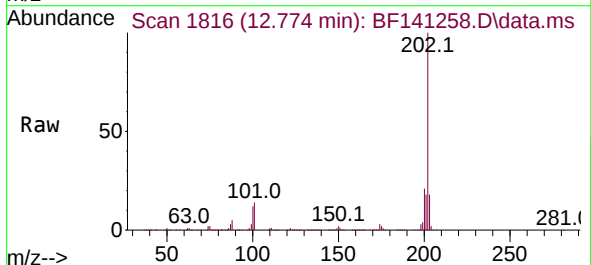
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

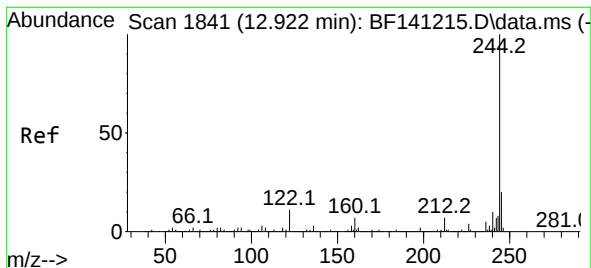
Tgt Ion:184 Resp: 344257  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.4 17.0  
183 11.6 9.2 13.8



#78  
Pyrene  
Concen: 46.632 ng  
RT: 12.774 min Scan# 1816  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:202 Resp: 1492131  
Ion Ratio Lower Upper  
202 100  
200 21.3 16.8 25.2  
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 103.344 ng

RT: 12.921 min Scan# 1841

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

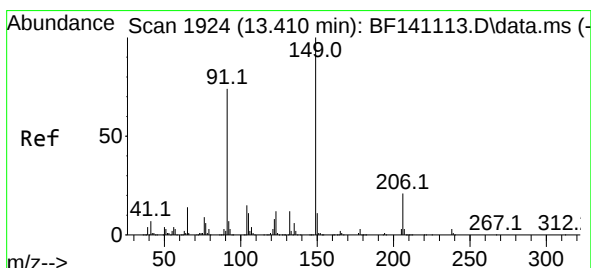
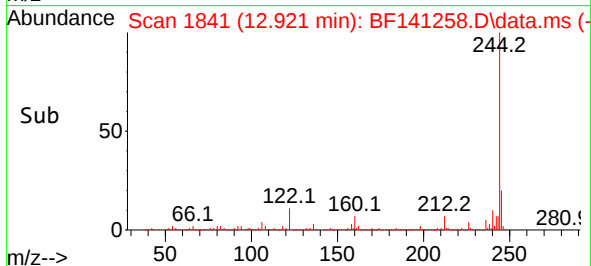
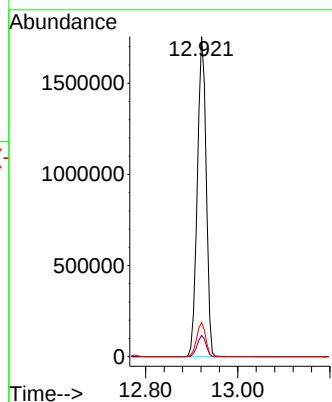
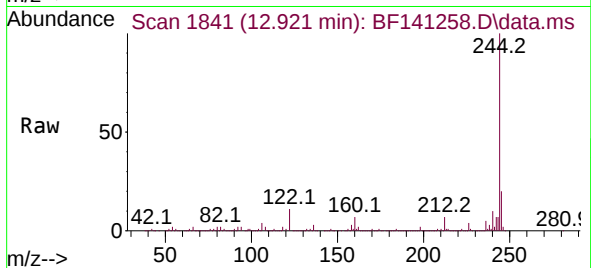
Tgt Ion:244 Resp: 2329387

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.7 8.8 13.2



#80

Butylbenzylphthalate

Concen: 55.039 ng

RT: 13.398 min Scan# 1922

Delta R.T. -0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

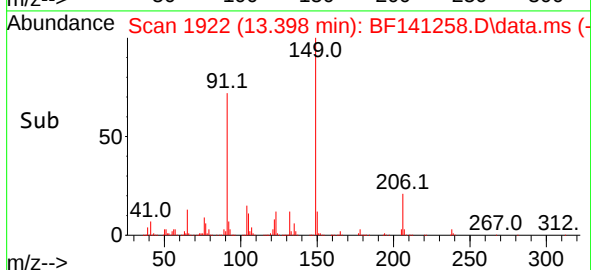
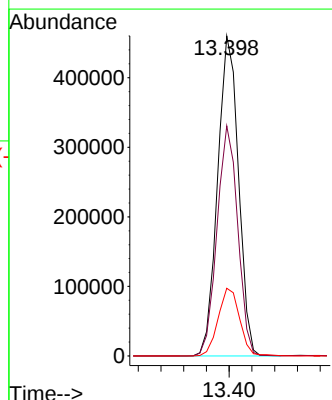
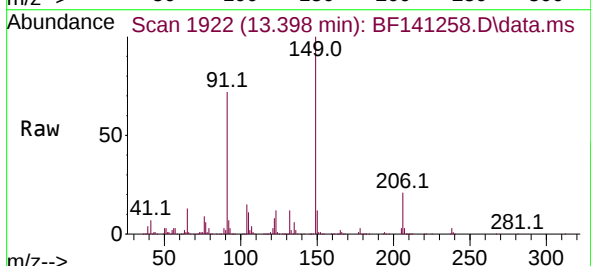
Tgt Ion:149 Resp: 587184

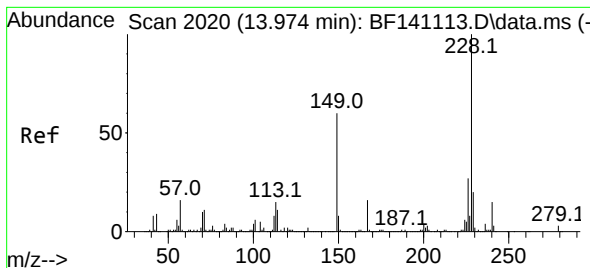
Ion Ratio Lower Upper

149 100

91 71.9 59.0 88.6

206 21.2 16.5 24.7





#81

Benzo(a)anthracene

Concen: 50.588 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

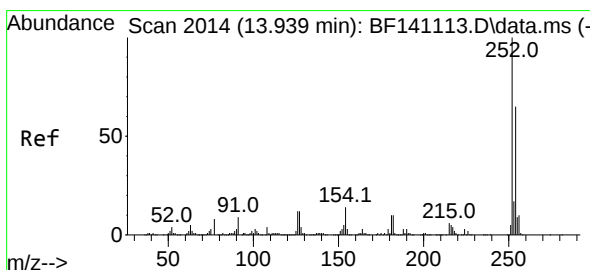
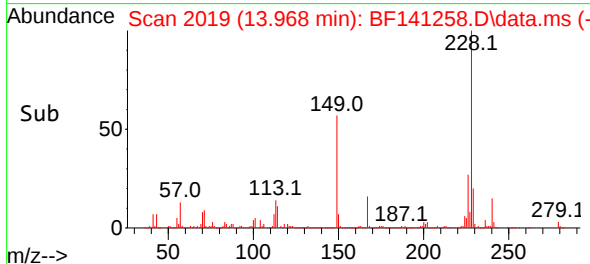
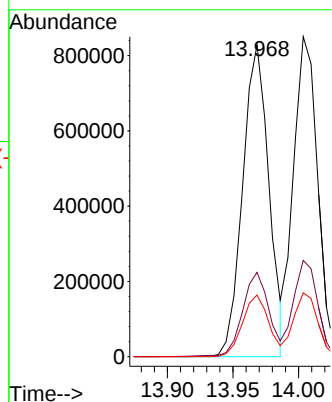
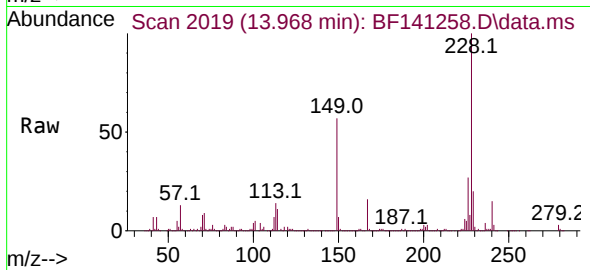
Tgt Ion:228 Resp: 1153399

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 32.499 ng

RT: 13.933 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

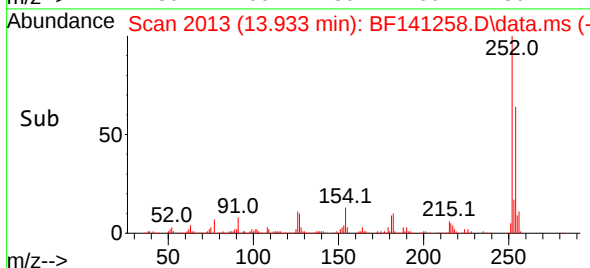
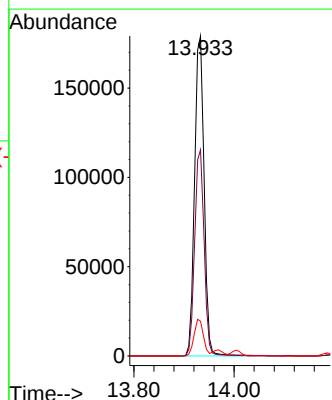
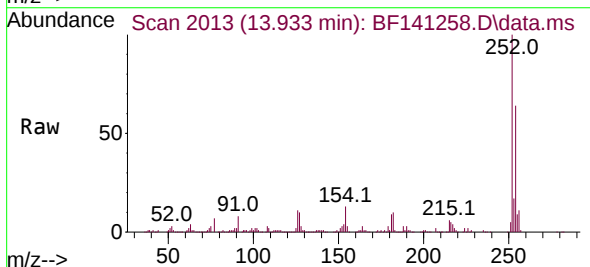
Tgt Ion:252 Resp: 235938

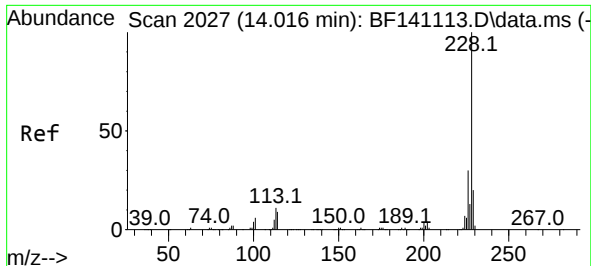
Ion Ratio Lower Upper

252 100

254 64.5 52.0 78.0

126 10.8 9.4 14.0

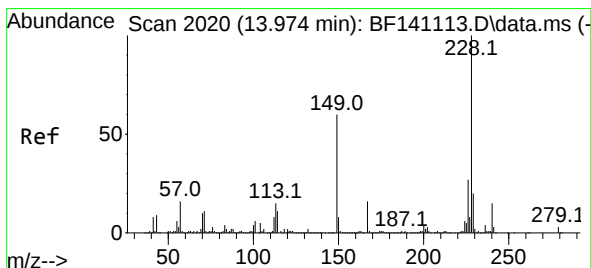
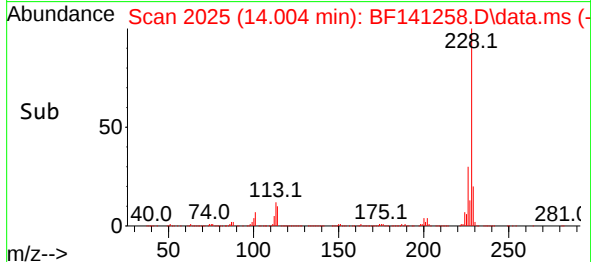
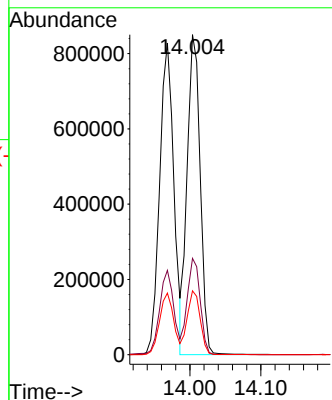
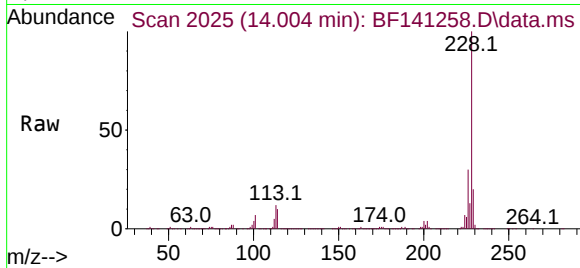




#83  
Chrysene  
Concen: 50.860 ng  
RT: 14.004 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

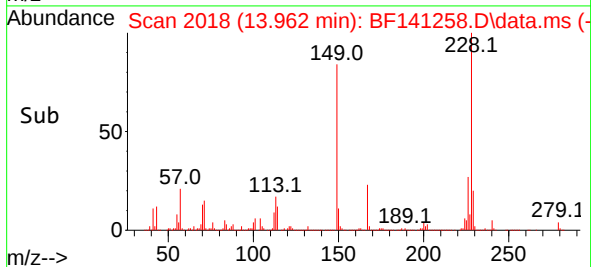
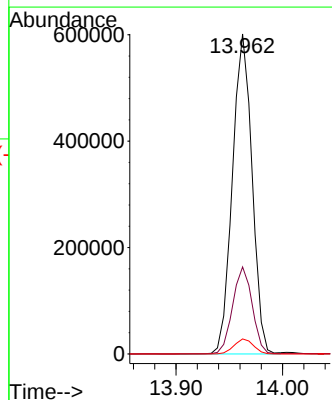
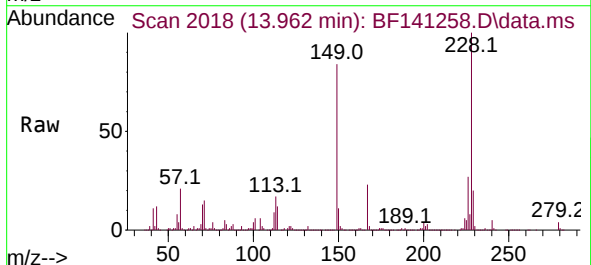
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:228 Resp: 1085025  
Ion Ratio Lower Upper  
228 100  
226 30.1 23.8 35.8  
229 20.0 15.8 23.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 60.097 ng  
RT: 13.962 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:149 Resp: 769283  
Ion Ratio Lower Upper  
149 100  
167 27.2 21.4 32.2  
279 4.7 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 67.547 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

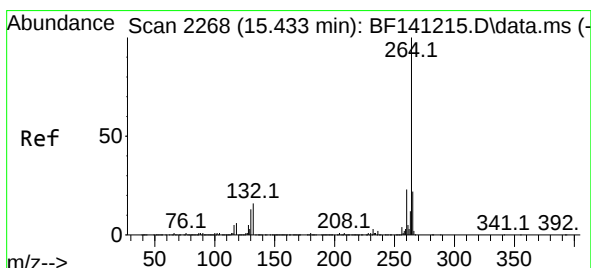
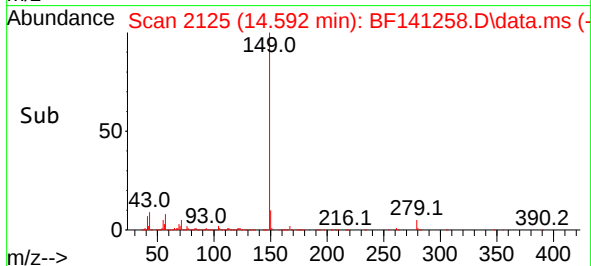
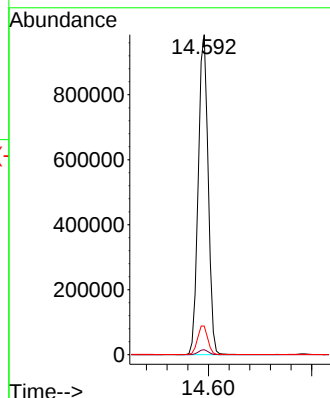
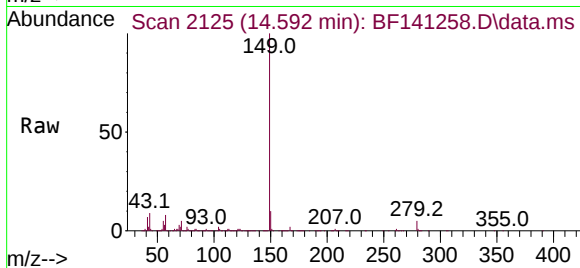
Tgt Ion:149 Resp: 1305675

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.2 8.4 12.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

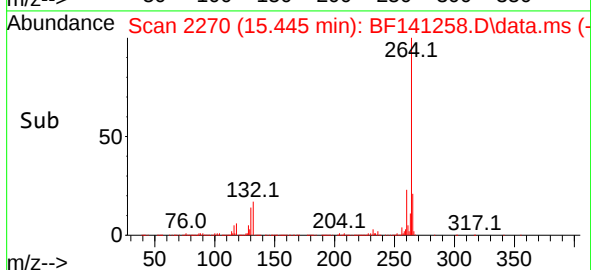
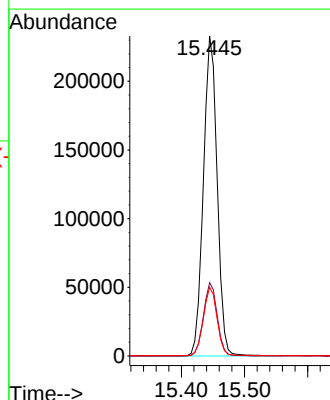
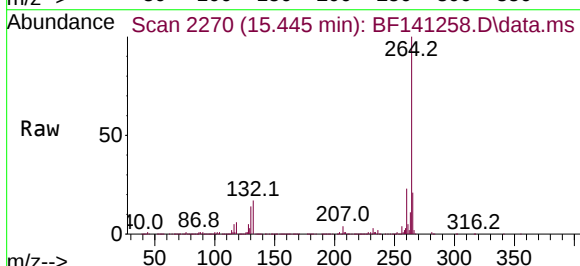
Tgt Ion:264 Resp: 352965

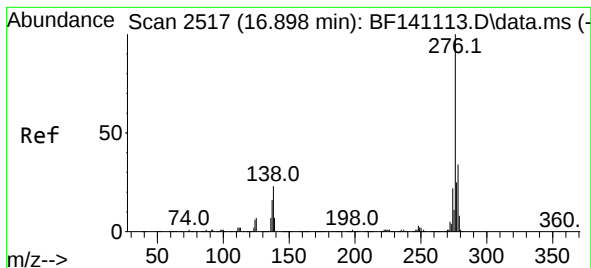
Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 54.213 ng

RT: 16.909 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

Instrument :

BNA\_F

ClientSampleId :

PB166216BS

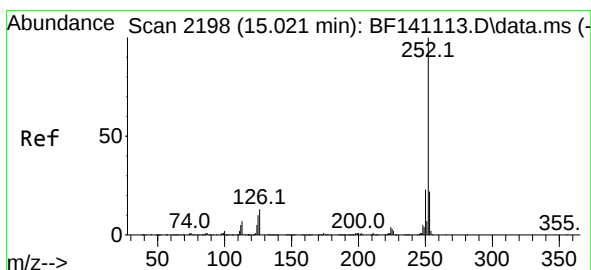
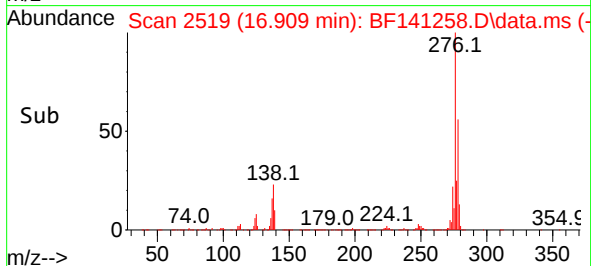
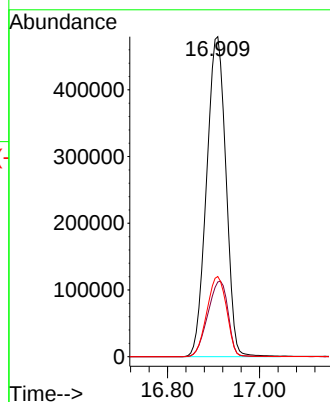
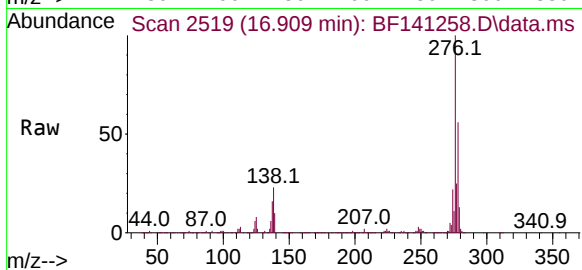
Tgt Ion:276 Resp: 1401905

Ion Ratio Lower Upper

276 100

138 24.7 20.7 31.1

277 25.7 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 50.736 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141258.D

Acq: 24 Jan 2025 13:09

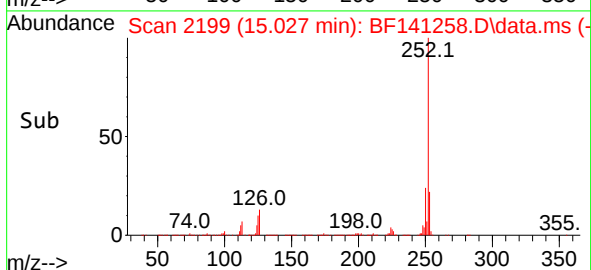
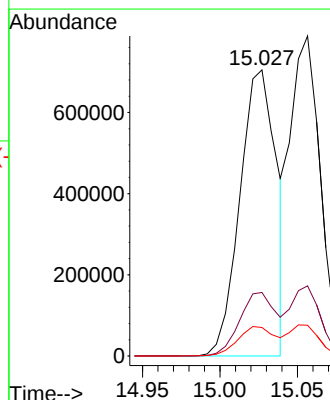
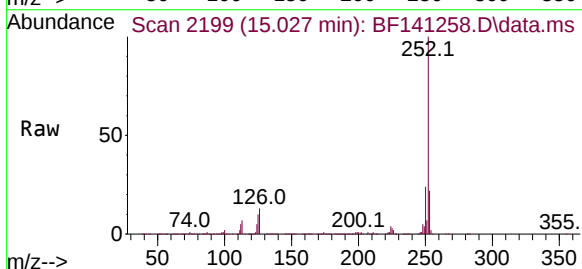
Tgt Ion:252 Resp: 1154776

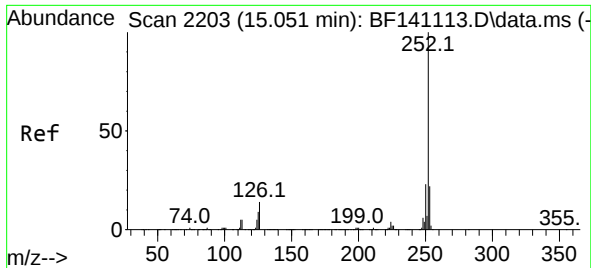
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.9 8.1 12.1

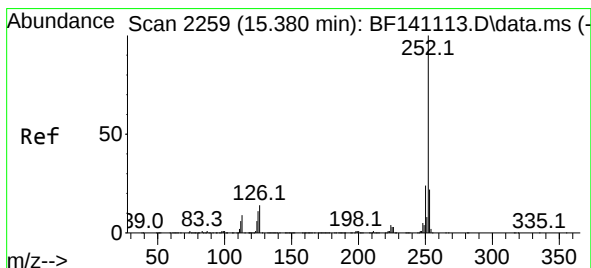
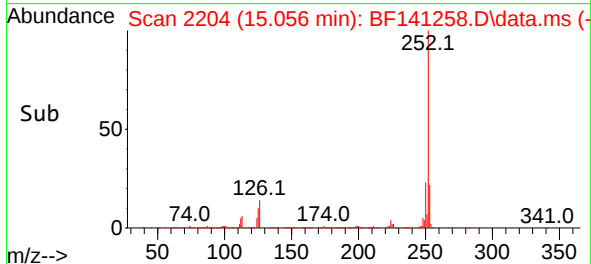
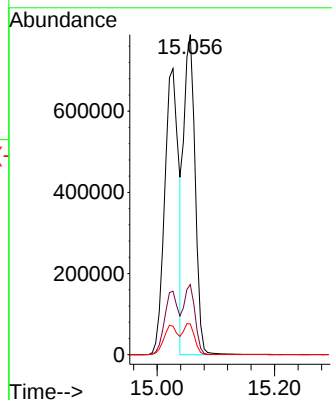
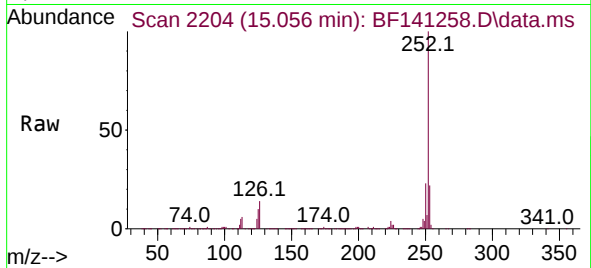




#89  
Benzo(k)fluoranthene  
Concen: 55.111 ng  
RT: 15.056 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

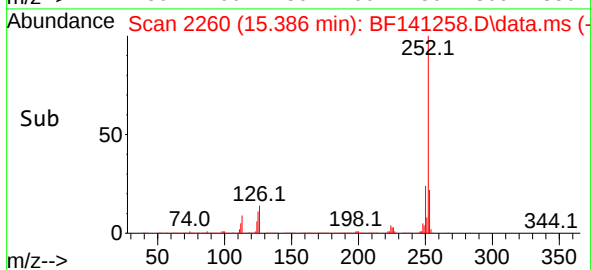
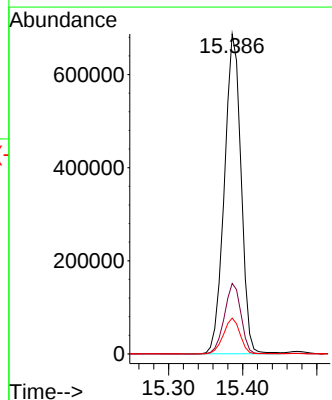
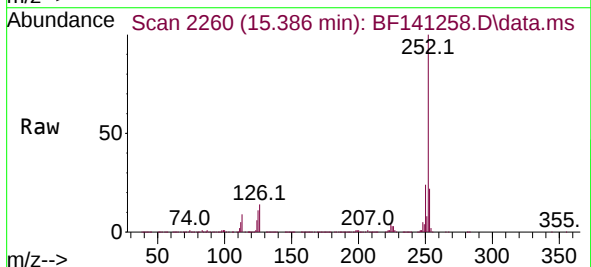
Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:252 Resp: 1060026  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.8 26.8  
125 9.6 7.9 11.9



#90  
Benzo(a)pyrene  
Concen: 57.016 ng  
RT: 15.386 min Scan# 2260  
Delta R.T. 0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:252 Resp: 1070677  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.7 26.5  
125 11.2 9.1 13.7

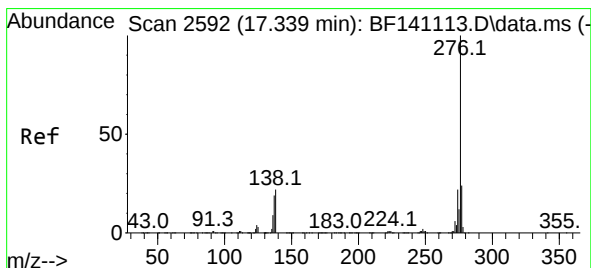
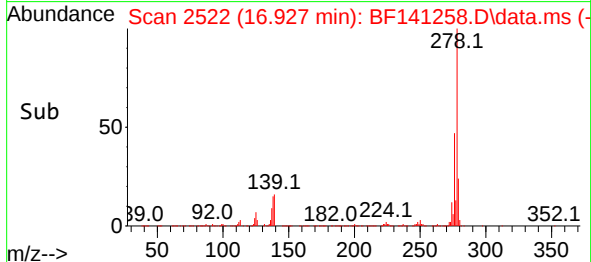
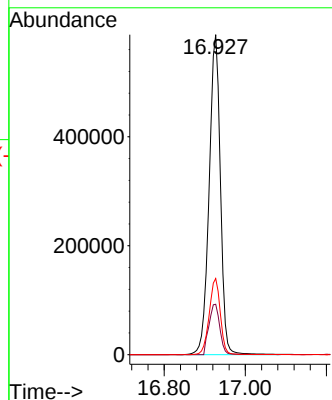
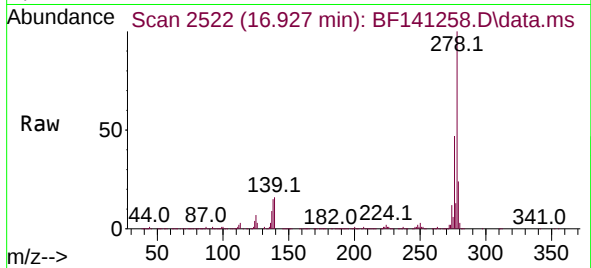




#91  
Dibenzo(a,h)anthracene  
Concen: 53.936 ng  
RT: 16.927 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB166216BS

Tgt Ion:278 Resp: 1128075  
Ion Ratio Lower Upper  
278 100  
139 15.7 13.8 20.6  
279 23.8 19.1 28.7



#92  
Benzo(g,h,i)perylene  
Concen: 48.835 ng  
RT: 17.345 min Scan# 2593  
Delta R.T. 0.006 min  
Lab File: BF141258.D  
Acq: 24 Jan 2025 13:09

Tgt Ion:276 Resp: 1062399  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.0 28.4  
138 21.1 17.4 26.2

