

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010325\  
 Data File : BF141065.D  
 Acq On : 03 Jan 2025 14:03  
 Operator : RC/JU  
 Sample : PB165945BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165945BS

Quant Time: Jan 03 14:24:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.828  | 152  | 261678   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.110  | 136  | 1044303  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.863  | 164  | 561214   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.345 | 188  | 930135   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.992 | 240  | 595107   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.457 | 264  | 551132   | 20.000 | ng    | 0.01     |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.451  | 112 | 2192753 | 126.312 | ng | 0.02 |
| 7) Phenol-d6                | 6.457  | 99  | 2777986 | 124.221 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.392  | 82  | 1773872 | 108.674 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.651 | 330 | 859584  | 157.625 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.186  | 172 | 3090607 | 87.740  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.933 | 244 | 3453233 | 96.383  | ng | 0.00 |

|                               |       |     |         |         |         |
|-------------------------------|-------|-----|---------|---------|---------|
| Target Compounds              |       |     |         |         | Qvalue  |
| 2) 1,4-Dioxane                | 2.663 | 88  | 308273  | 39.224  | ng 98   |
| 3) Pyridine                   | 3.399 | 79  | 813345  | 42.346  | ng 99   |
| 4) n-Nitrosodimethylamine     | 3.352 | 42  | 434558  | 44.654  | ng 99   |
| 6) Aniline                    | 6.487 | 93  | 971953  | 48.732  | ng 95   |
| 8) 2-Chlorophenol             | 6.610 | 128 | 904395  | 49.413  | ng 97   |
| 9) Benzaldehyde               | 6.375 | 77  | 156674  | 7.635   | ng 97   |
| 10) Phenol                    | 6.469 | 94  | 1104713 | 47.773  | ng 94   |
| 11) bis(2-Chloroethyl)ether   | 6.563 | 93  | 850232  | 45.537  | ng 98   |
| 12) 1,3-Dichlorobenzene       | 6.769 | 146 | 918544  | 45.475  | ng 99   |
| 13) 1,4-Dichlorobenzene       | 6.845 | 146 | 928083  | 45.578  | ng 99   |
| 14) 1,2-Dichlorobenzene       | 6.998 | 146 | 885030  | 46.617  | ng 98   |
| 15) Benzyl Alcohol            | 6.969 | 79  | 770181  | 47.926  | ng 99   |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104 | 45  | 1297222 | 45.941  | ng 98   |
| 17) 2-Methylphenol            | 7.075 | 107 | 726082  | 47.752  | ng 100  |
| 18) Hexachloroethane          | 7.340 | 117 | 338952  | 46.859  | ng 100  |
| 19) n-Nitroso-di-n-propyla... | 7.245 | 70  | 621530  | 45.366  | ng 97   |
| 20) 3+4-Methylphenols         | 7.234 | 107 | 855069  | 44.438  | ng # 80 |
| 22) Acetophenone              | 7.239 | 105 | 1147179 | 44.780  | ng 98   |
| 24) Nitrobenzene              | 7.410 | 77  | 924281  | 50.676  | ng 96   |
| 25) Isophorone                | 7.651 | 82  | 1687984 | 47.523  | ng 99   |
| 26) 2-Nitrophenol             | 7.728 | 139 | 447221  | 58.525  | ng 97   |
| 27) 2,4-Dimethylphenol        | 7.763 | 122 | 728497  | 56.119  | ng 99   |
| 28) bis(2-Chloroethoxy)met... | 7.863 | 93  | 1031419 | 45.832  | ng 100  |
| 29) 2,4-Dichlorophenol        | 7.963 | 162 | 719786  | 48.890  | ng 100  |
| 30) 1,2,4-Trichlorobenzene    | 8.051 | 180 | 755576  | 45.342  | ng 99   |
| 31) Naphthalene               | 8.134 | 128 | 2500894 | 45.447  | ng 100  |
| 32) Benzoic acid              | 7.881 | 122 | 554184  | 51.255  | ng 96   |
| 33) 4-Chloroaniline           | 8.175 | 127 | 493711  | 24.800  | ng 99   |
| 34) Hexachlorobutadiene       | 8.251 | 225 | 455803  | 46.398  | ng 99   |
| 35) Caprolactam               | 8.545 | 113 | 244555m | 48.861  | ng      |
| 36) 4-Chloro-3-methylphenol   | 8.657 | 107 | 780837  | 47.757  | ng 98   |
| 37) 2-Methylnaphthalene       | 8.822 | 142 | 1626476 | 46.202  | ng 100  |
| 38) 1-Methylnaphthalene       | 8.922 | 142 | 1522459 | 44.005  | ng 99   |
| 40) 1,2,4,5-Tetrachloroben... | 8.986 | 216 | 723909  | 46.886  | ng 99   |
| 41) Hexachlorocyclopentadiene | 8.975 | 237 | 909341  | 177.726 | ng 100  |
| 43) 2,4,6-Trichlorophenol     | 9.098 | 196 | 530051  | 51.582  | ng 99   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010325\  
 Data File : BF141065.D  
 Acq On : 03 Jan 2025 14:03  
 Operator : RC/JU  
 Sample : PB165945BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

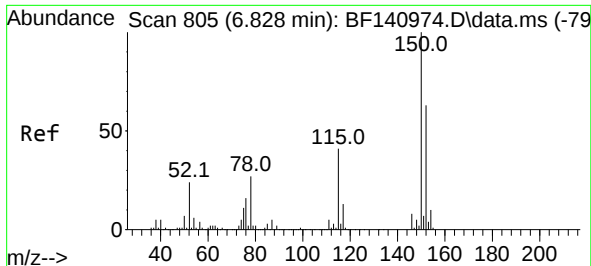
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 BNA\_F  
 ClientSampleId :  
 PB165945BS

Quant Time: Jan 03 14:24:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122624.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 27 00:31:16 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.133  | 196  | 527631   | 50.183  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1978272  | 46.036  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 1501403  | 45.050  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.404  | 65   | 484004   | 54.786  | ng    | 92       |
| 49) Acenaphthylene            | 9.728  | 152  | 2345475  | 48.888  | ng    | 99       |
| 50) Dimethylphthalate         | 9.586  | 163  | 1792105  | 48.547  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.645  | 165  | 408682   | 53.808  | ng    | 95       |
| 52) Acenaphthene              | 9.898  | 154  | 1691822  | 52.161  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.810  | 138  | 293424   | 36.667  | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 403862   | 113.034 | ng    | # 1      |
| 55) Dibenzofuran              | 10.069 | 168  | 2127512  | 46.675  | ng    | 100      |
| 56) 4-Nitrophenol             | 9.975  | 139  | 701887   | 111.154 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 542028   | 57.822  | ng    | 95       |
| 58) Fluorene                  | 10.410 | 166  | 1593297  | 45.077  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 465819   | 53.494  | ng    | 98       |
| 60) Diethylphthalate          | 10.286 | 149  | 1726921  | 47.386  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.404 | 204  | 784094   | 46.102  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.428 | 138  | 430938   | 52.362  | ng    | 95       |
| 63) Azobenzene                | 10.563 | 77   | 1750610  | 45.765  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 279427   | 70.024  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 1481992  | 50.598  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 523658   | 52.080  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.957 | 284  | 574476   | 51.815  | ng    | 99       |
| 69) Atrazine                  | 11.051 | 200  | 523276   | 63.950  | ng    | 99       |
| 70) Pentachlorophenol         | 11.151 | 266  | 736673   | 106.719 | ng    | 100      |
| 71) Phenanthrene              | 11.375 | 178  | 2438164  | 49.805  | ng    | 99       |
| 72) Anthracene                | 11.427 | 178  | 2458121  | 51.244  | ng    | 99       |
| 73) Carbazole                 | 11.575 | 167  | 2220304  | 48.149  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 2577929  | 49.151  | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 2511239  | 47.298  | ng    | 100      |
| 77) Benzidine                 | 12.680 | 184  | 795068   | 63.216  | ng    | 100      |
| 78) Pyrene                    | 12.786 | 202  | 2546390  | 48.925  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 983900   | 51.771  | ng    | 100      |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 1908968  | 46.026  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 445199   | 35.727  | ng    | 100      |
| 83) Chrysene                  | 14.016 | 228  | 1790682  | 47.894  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 1158907  | 47.010  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.604 | 149  | 1808132  | 50.676  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.915 | 276  | 1936057  | 55.758  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 1875492  | 48.792  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 1446451  | 48.013  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.398 | 252  | 1548930  | 51.917  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.939 | 278  | 1564146  | 55.572  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.357 | 276  | 1473013  | 50.458  | ng    | 98       |

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

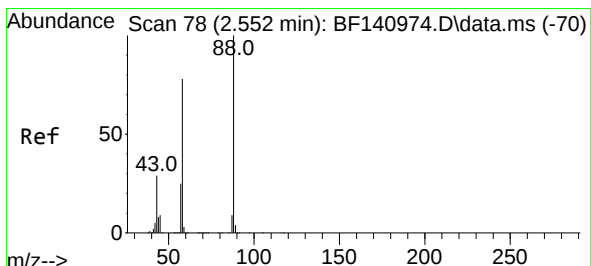
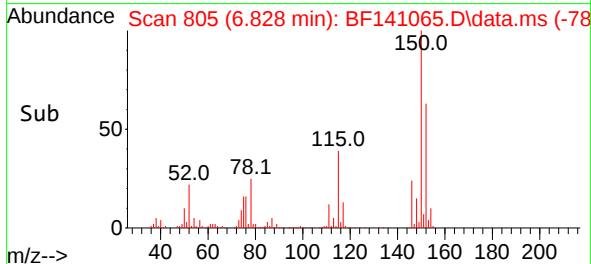
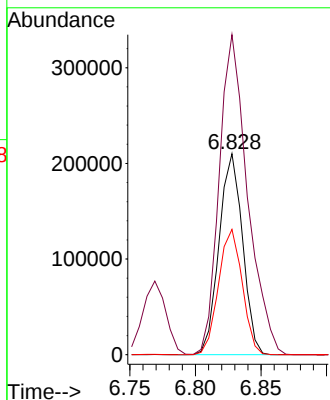
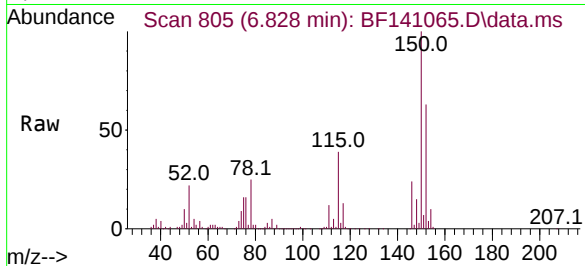




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.828 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF141065.D  
 Acq: 03 Jan 2025 14:03

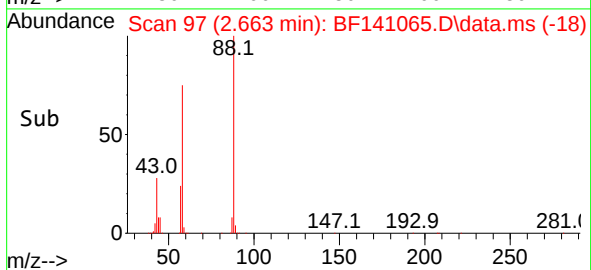
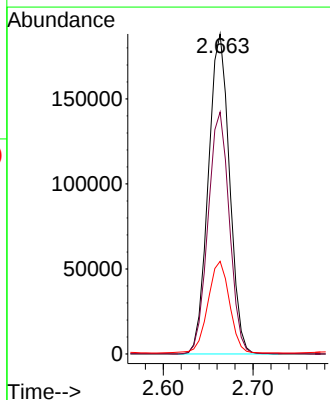
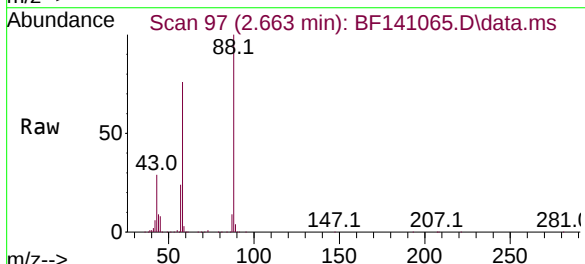
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165945BS

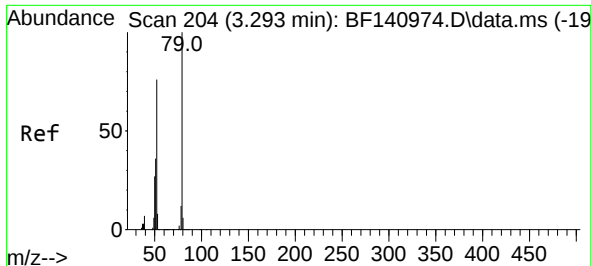
Tgt Ion:152 Resp: 261678  
 Ion Ratio Lower Upper  
 152 100  
 150 159.3 127.0 190.6  
 115 62.4 51.7 77.5



#2  
 1,4-Dioxane  
 Concen: 39.224 ng  
 RT: 2.663 min Scan# 97  
 Delta R.T. 0.112 min  
 Lab File: BF141065.D  
 Acq: 03 Jan 2025 14:03

Tgt Ion: 88 Resp: 308273  
 Ion Ratio Lower Upper  
 88 100  
 58 76.2 63.0 94.4  
 43 29.3 23.4 35.2

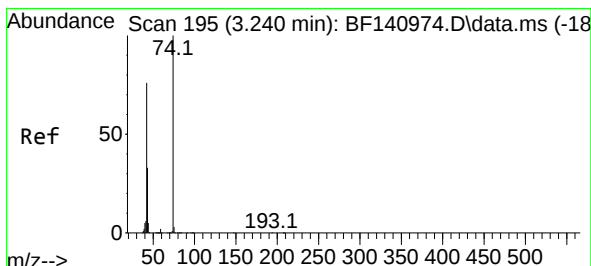
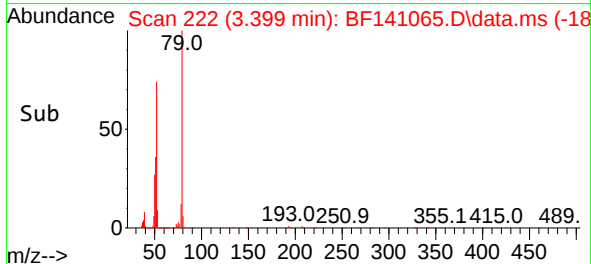
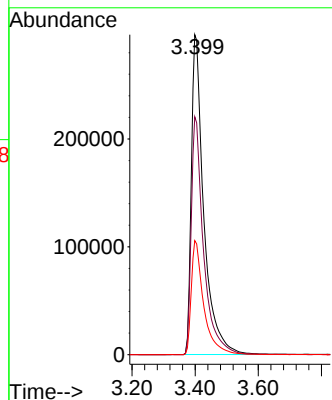
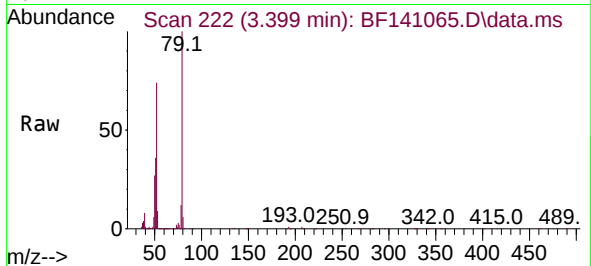




#3  
Pyridine  
Concen: 42.346 ng  
RT: 3.399 min Scan# 214  
Delta R.T. 0.106 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

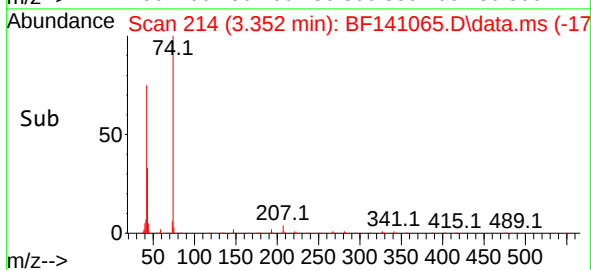
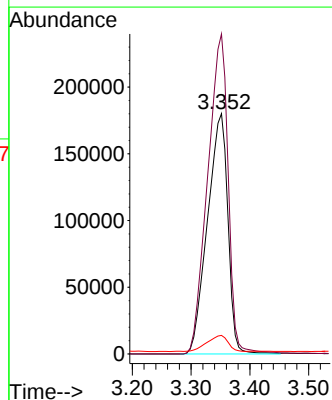
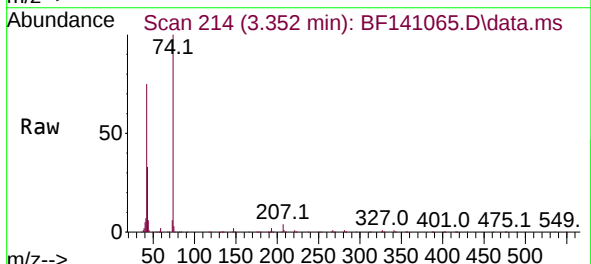
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion: 79 Resp: 813345  
Ion Ratio Lower Upper  
79 100  
52 74.4 60.4 90.6  
51 35.7 28.8 43.2



#4  
n-Nitrosodimethylamine  
Concen: 44.654 ng  
RT: 3.352 min Scan# 214  
Delta R.T. 0.112 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 42 Resp: 434558  
Ion Ratio Lower Upper  
42 100  
74 133.1 105.8 158.6  
44 7.7 6.6 10.0

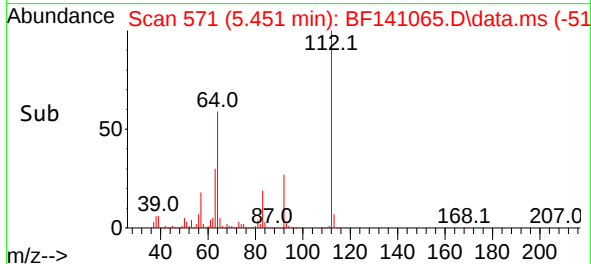
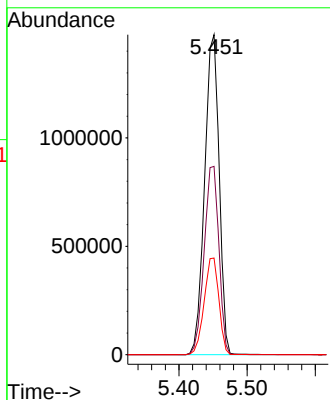
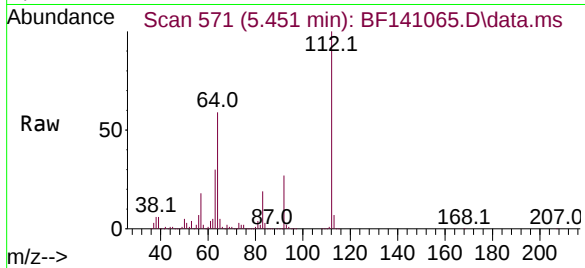




#5  
2-Fluorophenol  
Concen: 126.312 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

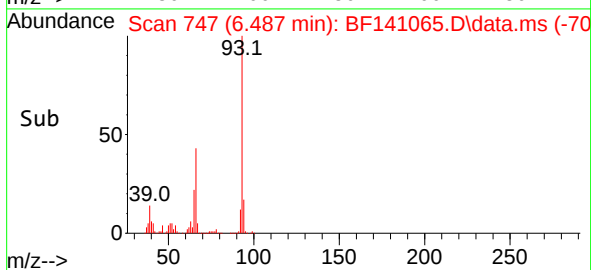
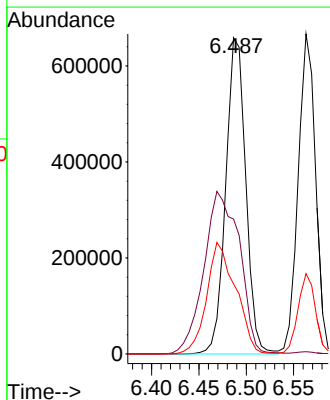
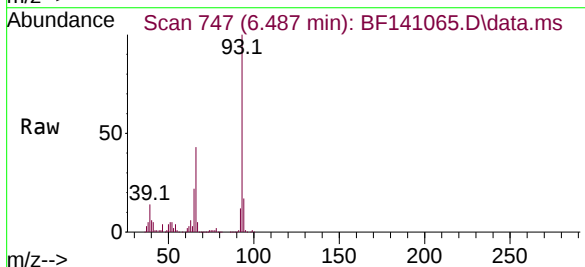
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion:112 Resp: 2192753  
Ion Ratio Lower Upper  
112 100  
64 58.8 47.7 71.5  
63 30.2 24.2 36.2



#6  
Aniline  
Concen: 48.732 ng  
RT: 6.487 min Scan# 747  
Delta R.T. -0.024 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 93 Resp: 971953  
Ion Ratio Lower Upper  
93 100  
66 42.7 31.8 47.8  
65 22.2 15.4 23.0



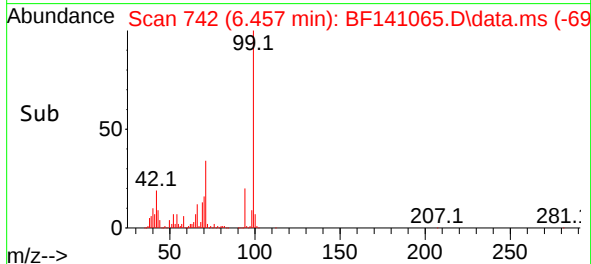
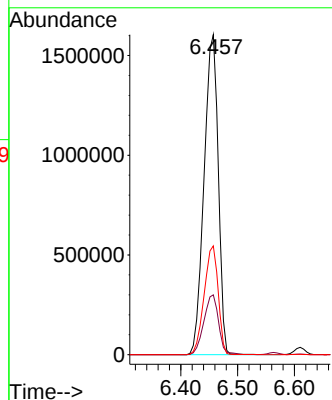
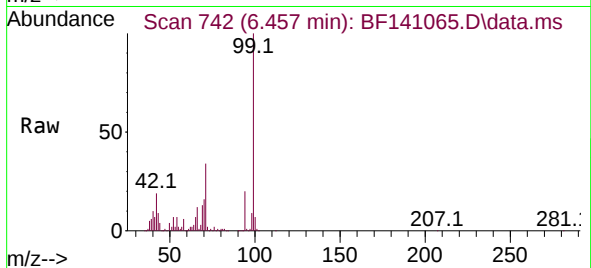


#7  
Phenol-d6  
Concen: 124.221 ng  
RT: 6.457 min Scan# 741  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion: 99 Resp: 2777986

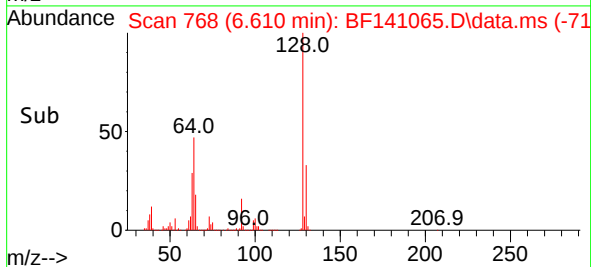
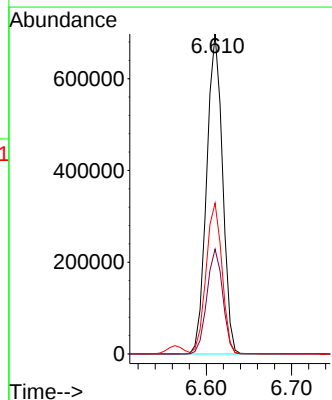
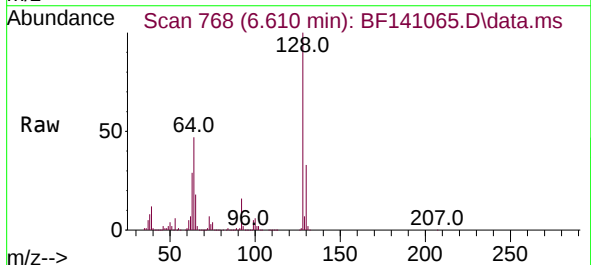
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.7  | 15.0  | 22.4  |
| 71  | 34.0  | 26.2  | 39.2  |



#8  
2-Chlorophenol  
Concen: 49.413 ng  
RT: 6.610 min Scan# 768  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 128 Resp: 904395

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.8  | 12.2  | 52.2  |
| 64  | 47.2  | 30.3  | 70.3  |

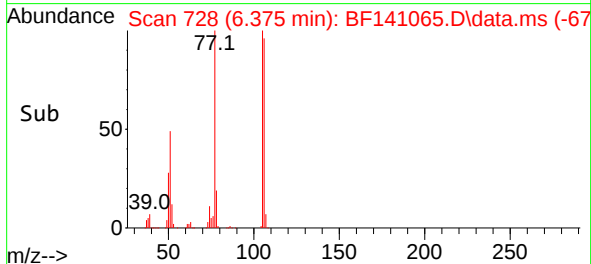
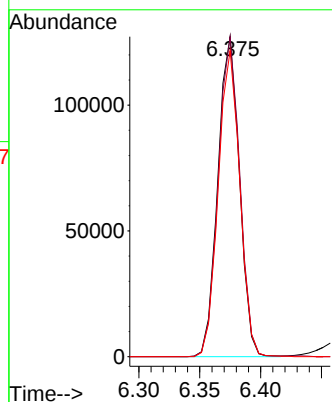
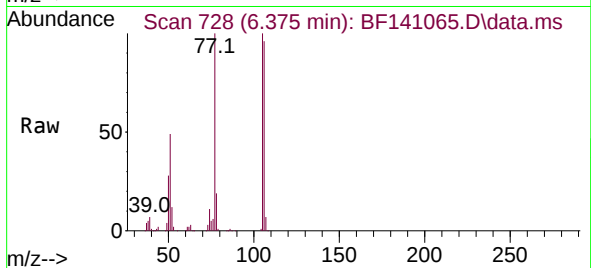




#9  
Benzaldehyde  
Concen: 7.635 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

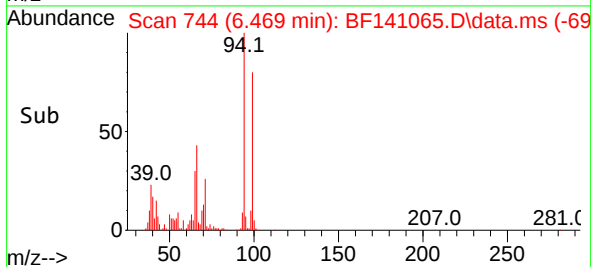
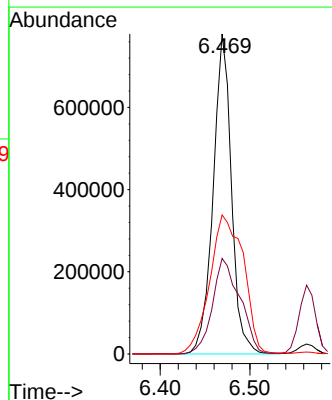
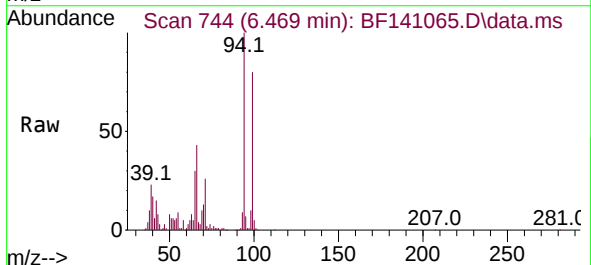
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ClientSampleId :  
PB165945BS

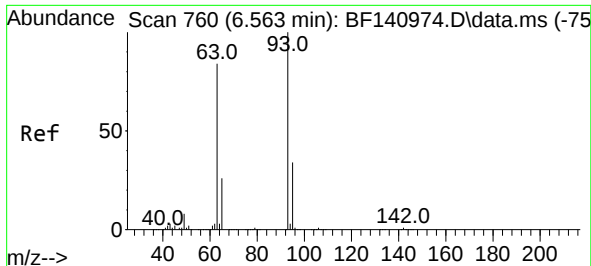
Tgt Ion: 77 Resp: 156674  
Ion Ratio Lower Upper  
77 100  
105 100.0 76.2 116.2  
106 95.6 73.4 113.4



#10  
Phenol  
Concen: 47.773 ng  
RT: 6.469 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 94 Resp: 1104713  
Ion Ratio Lower Upper  
94 100  
65 29.8 8.1 48.1  
66 43.5 18.7 58.7

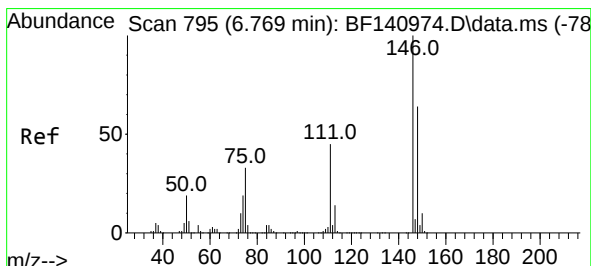
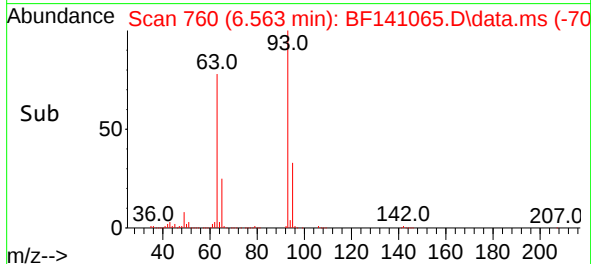
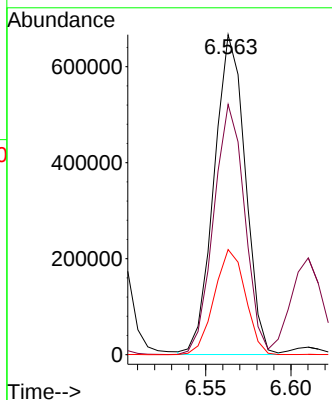
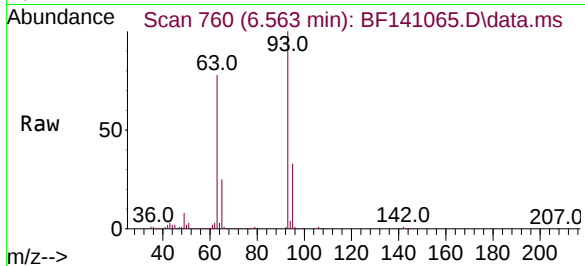




#11  
bis(2-Chloroethyl)ether  
Concen: 45.537 ng  
RT: 6.563 min Scan# 760  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

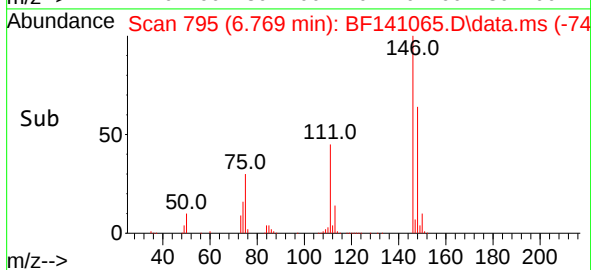
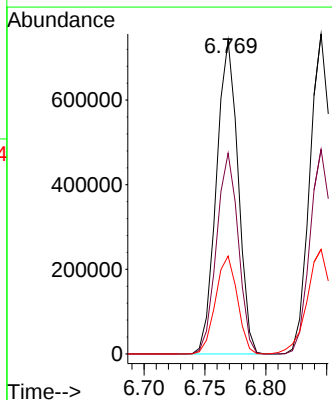
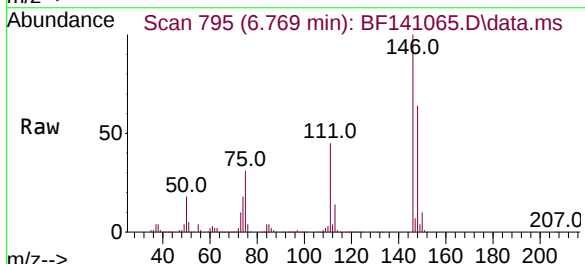
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

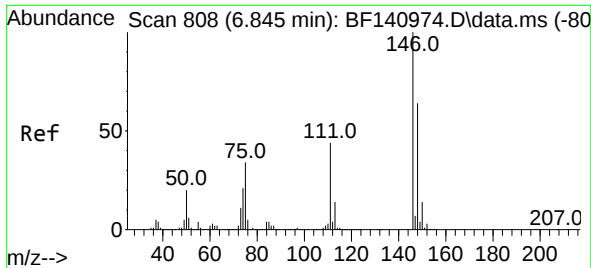
Tgt Ion: 93 Resp: 850232  
Ion Ratio Lower Upper  
93 100  
63 78.2 60.3 100.3  
95 32.9 12.2 52.2



#12  
1,3-Dichlorobenzene  
Concen: 45.475 ng  
RT: 6.769 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:146 Resp: 918544  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.0 76.4  
75 31.2 26.1 39.1

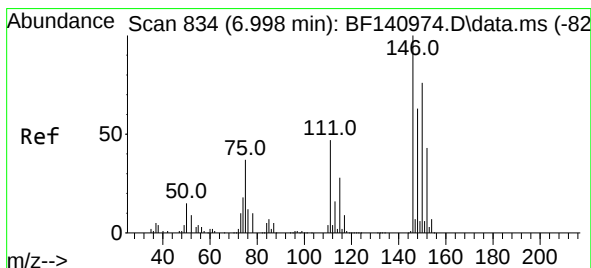
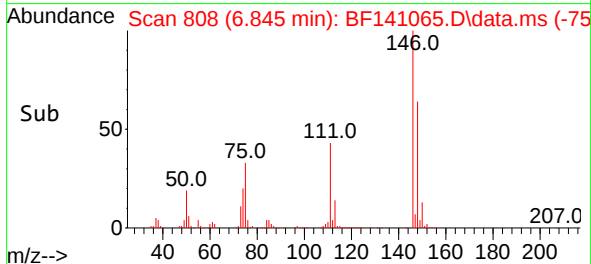
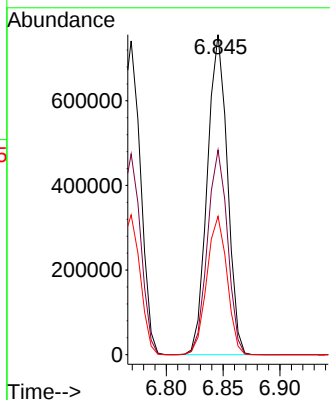
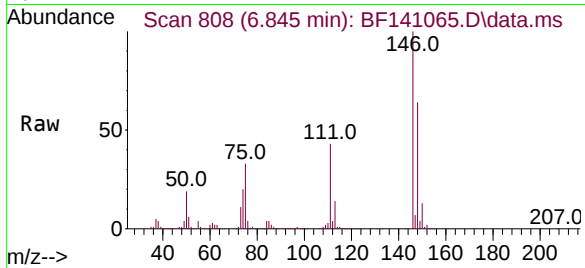




#13  
1,4-Dichlorobenzene  
Concen: 45.578 ng  
RT: 6.845 min Scan# 808  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

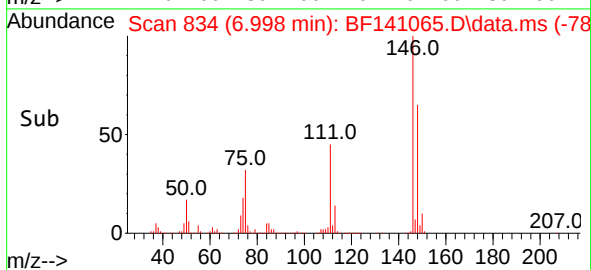
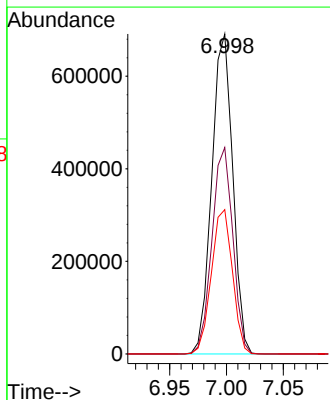
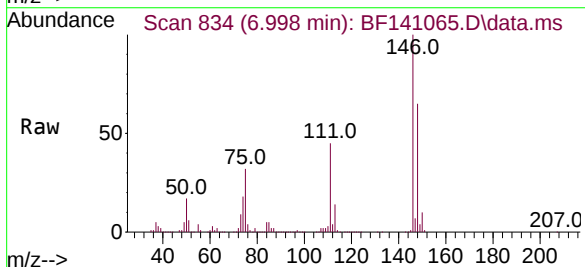
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion:146 Resp: 928083  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.3 76.9  
111 43.3 35.3 52.9



#14  
1,2-Dichlorobenzene  
Concen: 46.617 ng  
RT: 6.998 min Scan# 834  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:146 Resp: 885030  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.6 76.0  
111 45.1 37.3 55.9

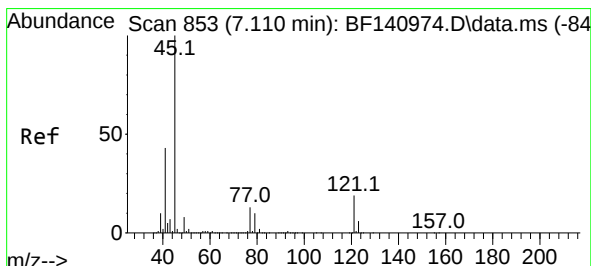
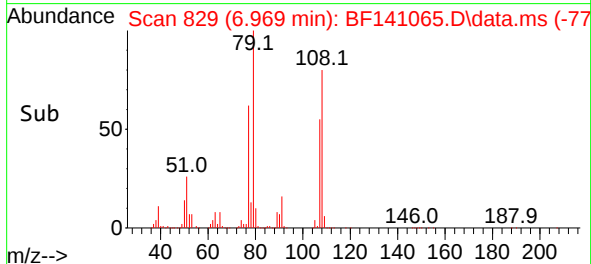
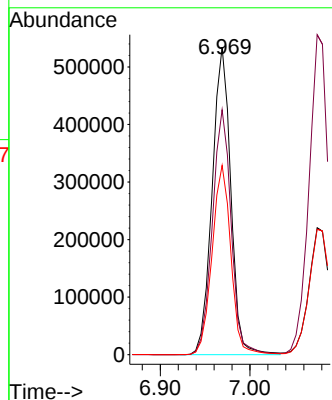
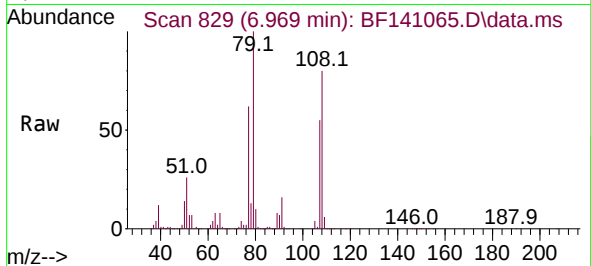




#15  
Benzyl Alcohol  
Concen: 47.926 ng  
RT: 6.969 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

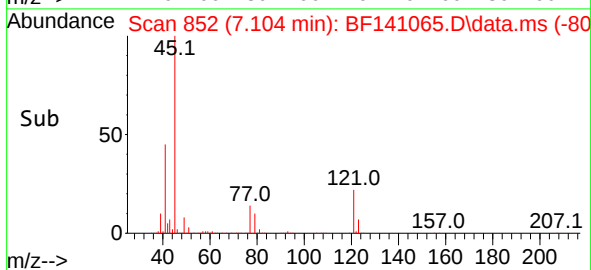
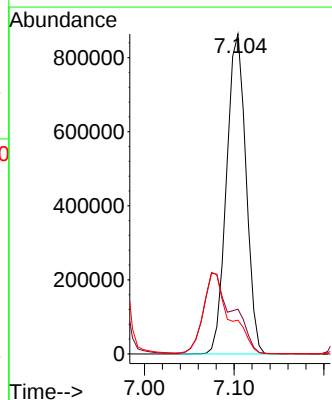
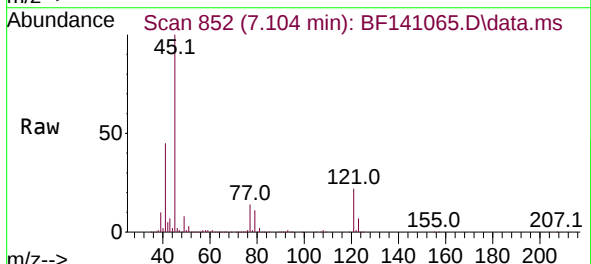
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion: 79 Resp: 770181  
Ion Ratio Lower Upper  
79 100  
108 79.6 62.5 93.7  
77 61.5 49.3 73.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.941 ng  
RT: 7.104 min Scan# 852  
Delta R.T. -0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 45 Resp: 1297222  
Ion Ratio Lower Upper  
45 100  
77 14.0 0.0 33.1  
79 10.5 0.0 30.1





#17

2-Methylphenol

Concen: 47.752 ng

RT: 7.075 min Scan# 847

Delta R.T. 0.000 min

Lab File: BF141065.D

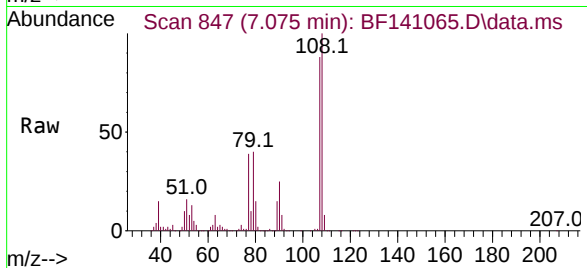
Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS



Tgt Ion:107 Resp: 726082

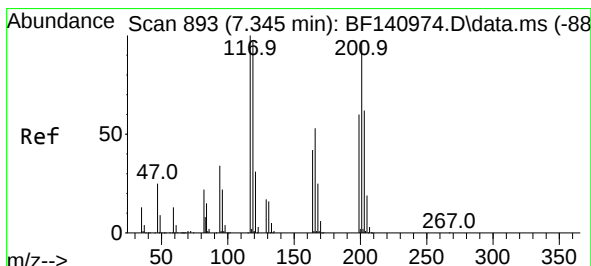
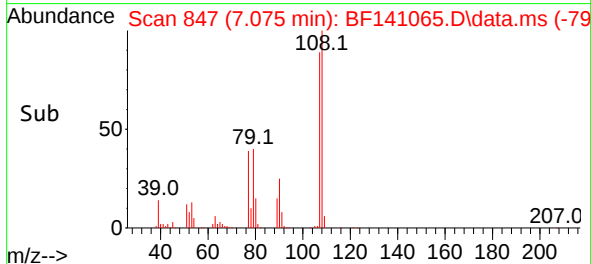
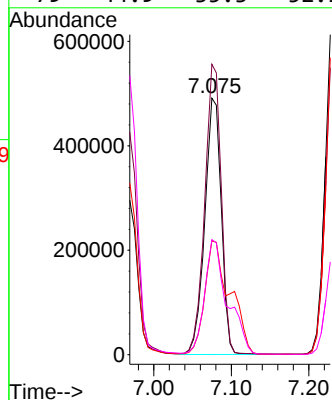
Ion Ratio Lower Upper

107 100

108 113.2 90.6 136.0

77 44.4 35.3 52.9

79 44.9 35.3 52.9



#18

Hexachloroethane

Concen: 46.859 ng

RT: 7.340 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

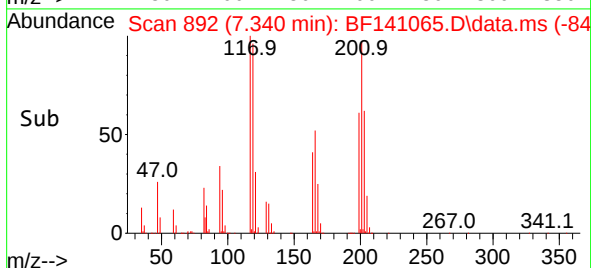
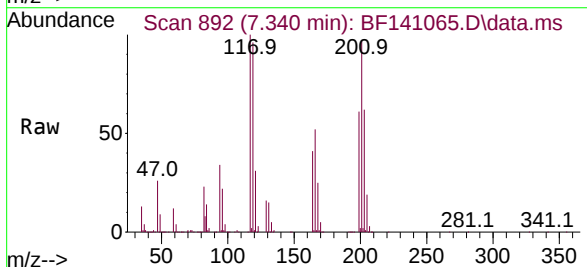
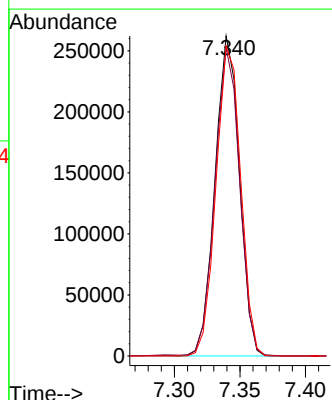
Tgt Ion:117 Resp: 338952

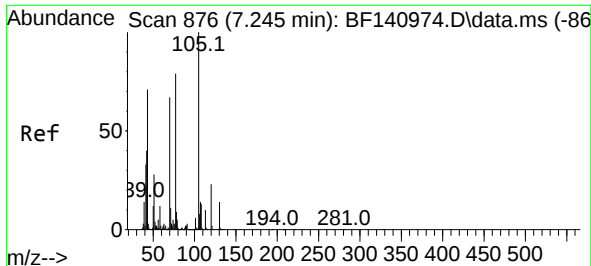
Ion Ratio Lower Upper

117 100

119 96.4 77.5 116.3

201 96.8 77.4 116.2



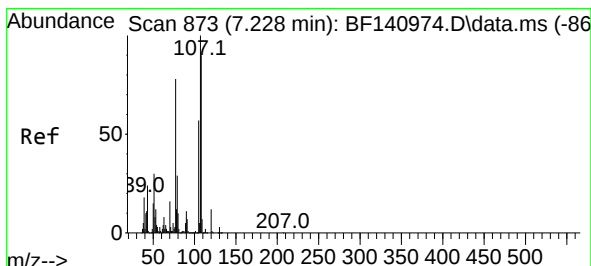
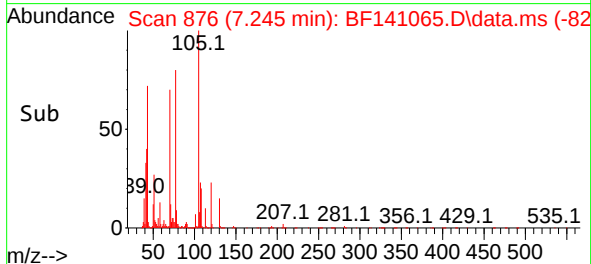
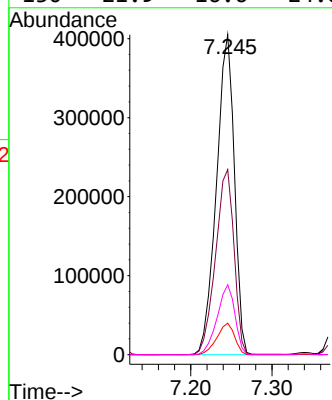
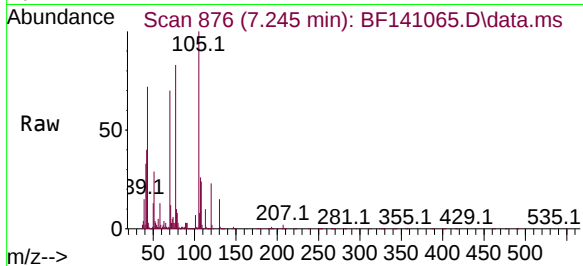


#19  
n-Nitroso-di-n-propylamine  
Concen: 45.366 ng  
RT: 7.245 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion: 70 Resp: 621530

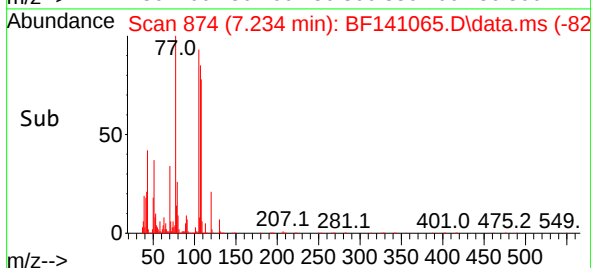
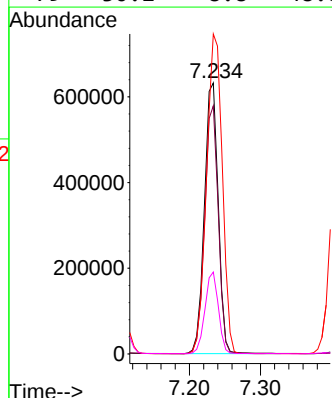
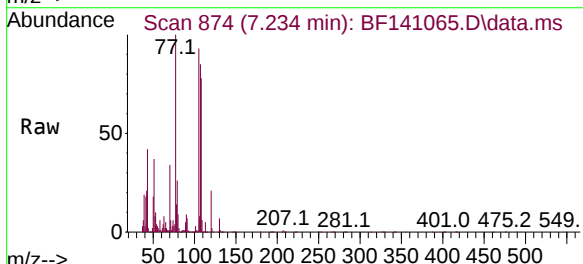
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 57.9  | 48.1  | 72.1  |
| 101 | 9.8   | 7.6   | 11.4  |
| 130 | 21.9  | 16.6  | 24.8  |



#20  
3+4-Methylphenols  
Concen: 44.438 ng  
RT: 7.234 min Scan# 874  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion: 107 Resp: 855069

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 91.6  | 69.6  | 109.6 |
| 77  | 118.1 | 57.6  | 97.6# |
| 79  | 30.2  | 8.8   | 48.8  |



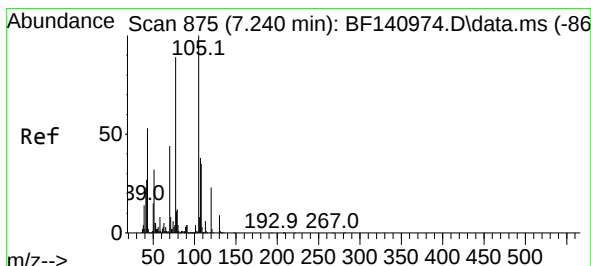
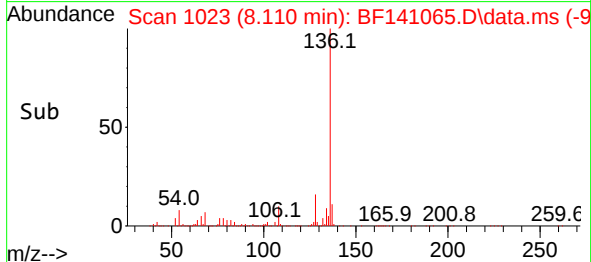
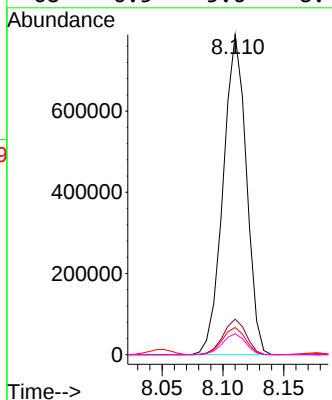
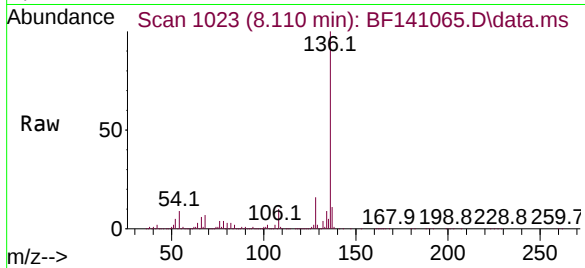


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.110 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion:136 Resp: 1044303

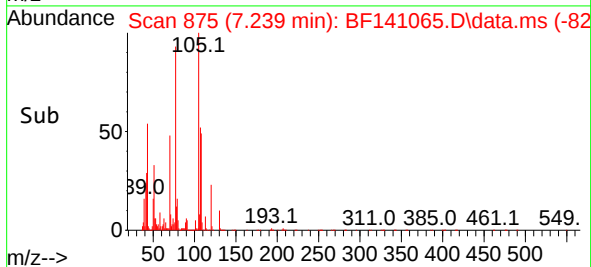
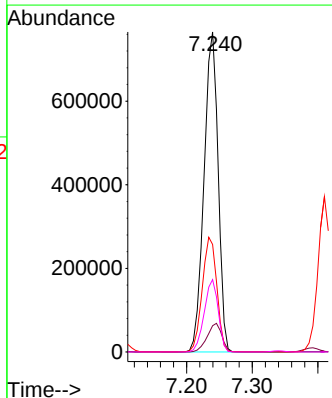
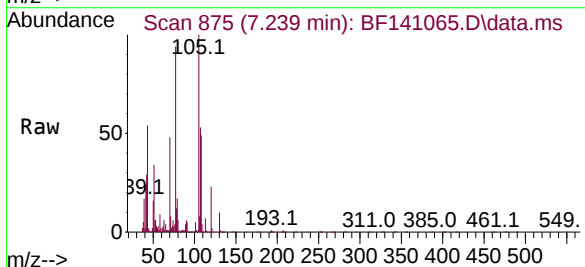
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 9.0   | 13.4  |
| 54  | 8.5   | 7.6   | 11.4  |
| 68  | 6.5   | 5.6   | 8.4   |

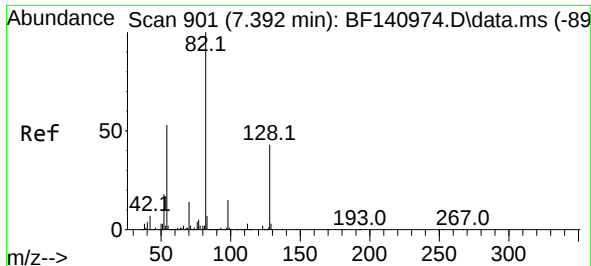


#22  
Acetophenone  
Concen: 44.780 ng  
RT: 7.239 min Scan# 875  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:105 Resp: 1147179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 8.2   | 6.1   | 9.1   |
| 51  | 33.6  | 25.8  | 38.6  |
| 120 | 22.6  | 18.1  | 27.1  |





#23

Nitrobenzene-d5

Concen: 108.674 ng

RT: 7.392 min Scan# 901

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

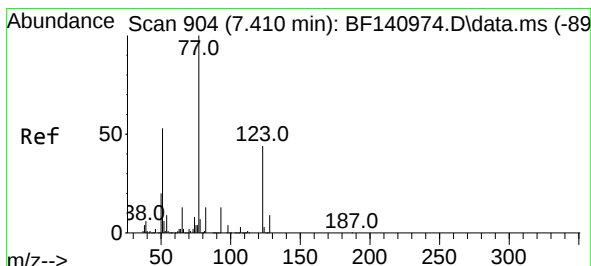
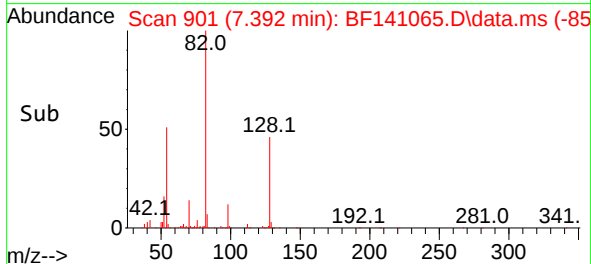
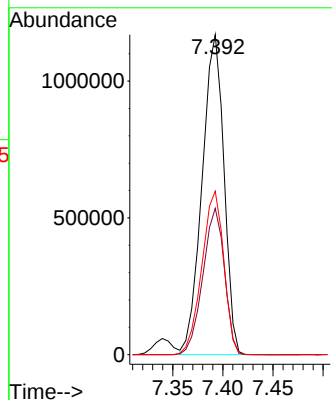
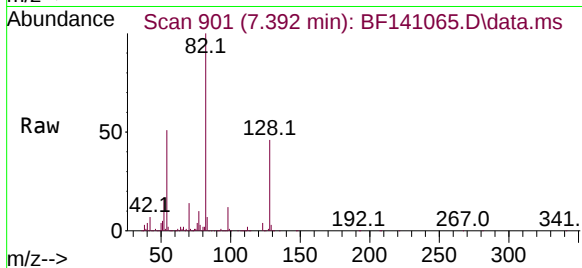
BNA\_F

ClientSampleId :

PB165945BS

Tgt Ion: 82 Resp: 1773872

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.7  | 34.4  | 51.6  |
| 54  | 51.1  | 42.4  | 63.6  |



#24

Nitrobenzene

Concen: 50.676 ng

RT: 7.410 min Scan# 904

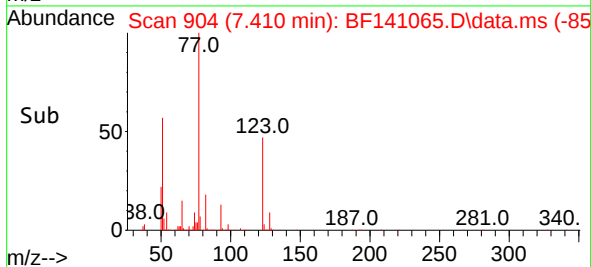
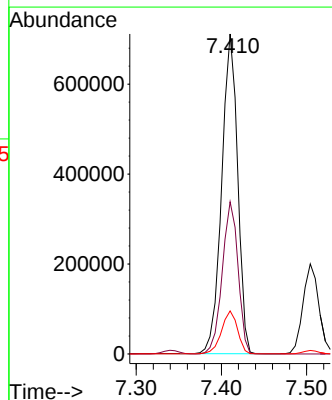
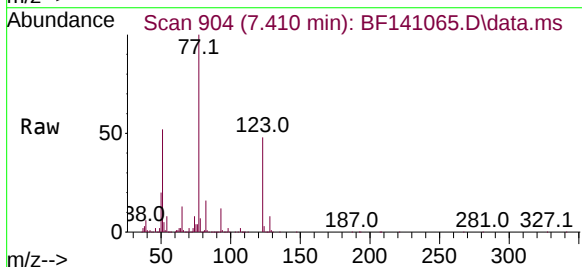
Delta R.T. -0.000 min

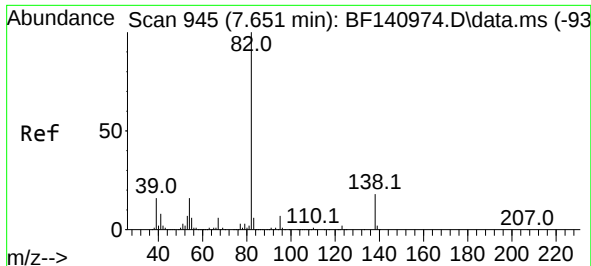
Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Tgt Ion: 77 Resp: 924281

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.6  | 35.4  | 53.2  |
| 65  | 13.5  | 10.7  | 16.1  |

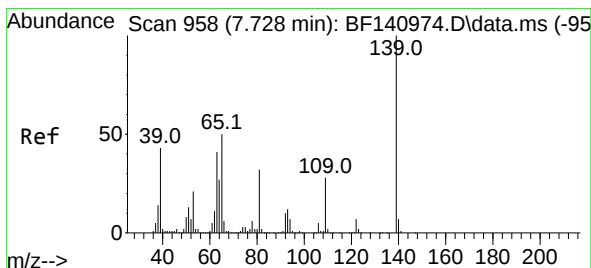
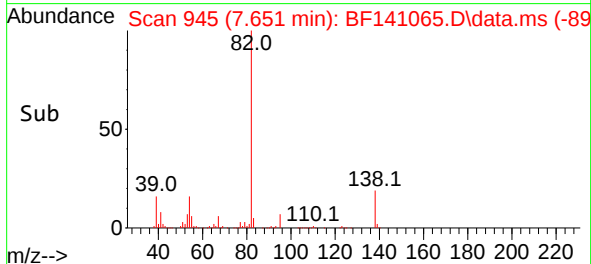
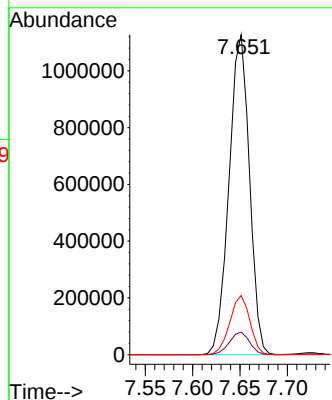
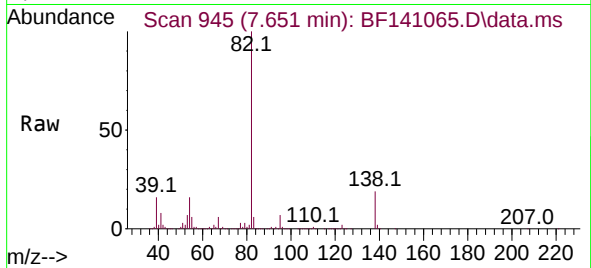




#25  
Isophorone  
Concen: 47.523 ng  
RT: 7.651 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

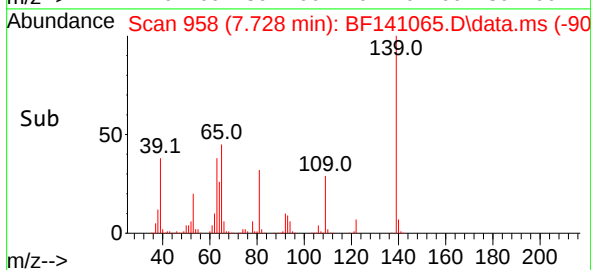
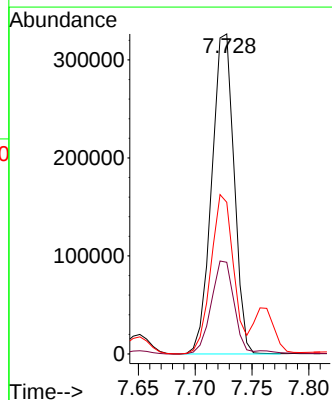
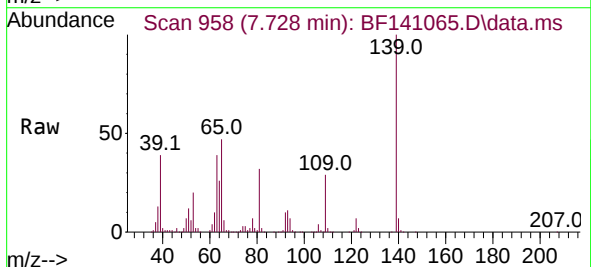
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

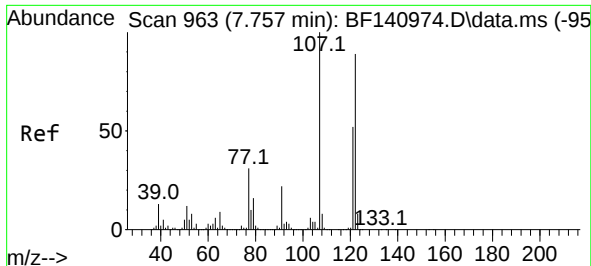
Tgt Ion: 82 Resp: 1687984  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.6 8.4  
138 18.5 14.6 21.8



#26  
2-Nitrophenol  
Concen: 58.525 ng  
RT: 7.728 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:139 Resp: 447221  
Ion Ratio Lower Upper  
139 100  
109 28.7 22.2 33.4  
65 47.4 40.2 60.4





#27

2,4-Dimethylphenol

Concen: 56.119 ng

RT: 7.763 min Scan# 964

Delta R.T. 0.006 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

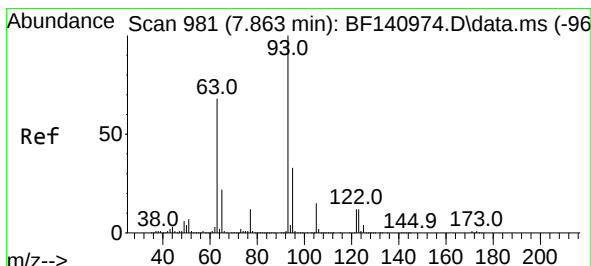
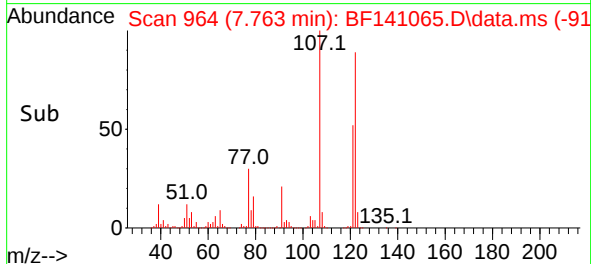
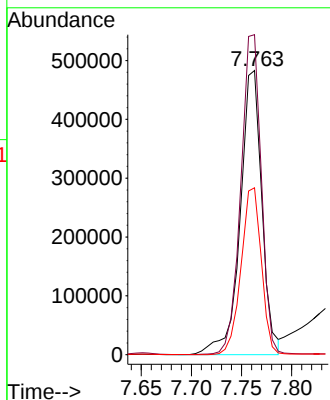
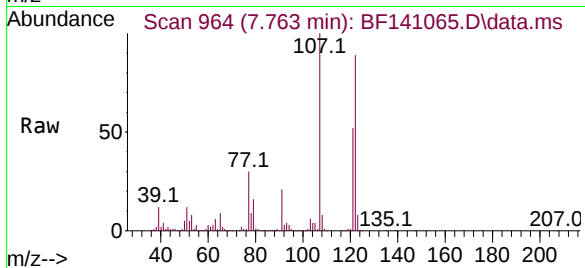
Tgt Ion:122 Resp: 728497

Ion Ratio Lower Upper

122 100

107 112.6 89.4 134.2

121 58.7 46.7 70.1



#28

bis(2-Chloroethoxy)methane

Concen: 45.832 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

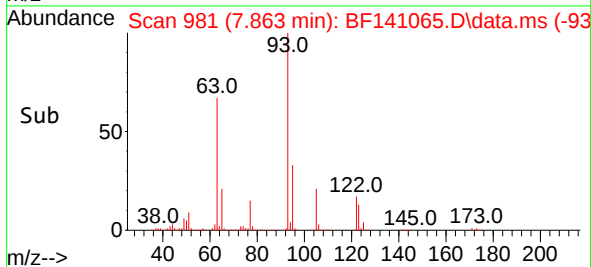
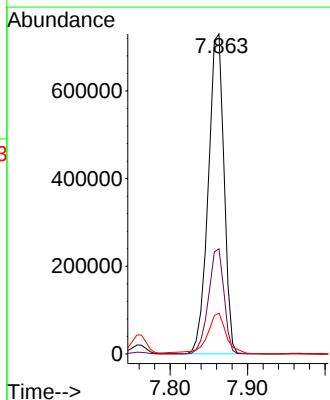
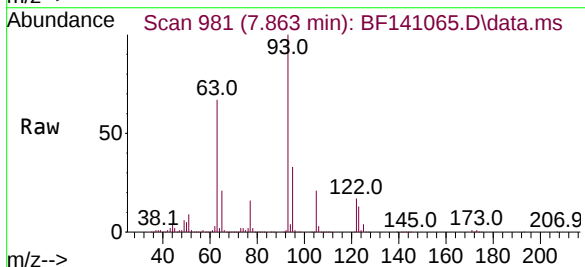
Tgt Ion: 93 Resp: 1031419

Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.4

123 12.8 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 48.890 ng

RT: 7.963 min Scan# 998

Delta R.T. -0.000 min

Lab File: BF141065.D

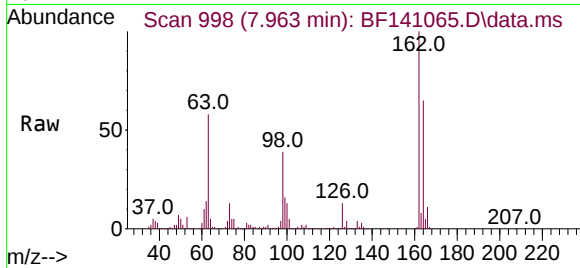
Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS



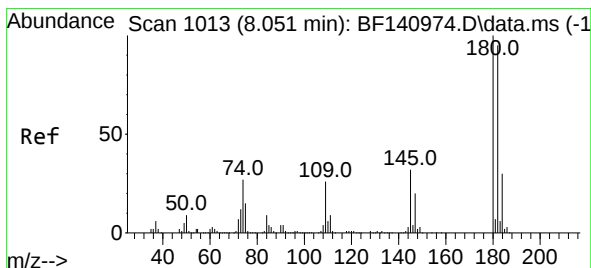
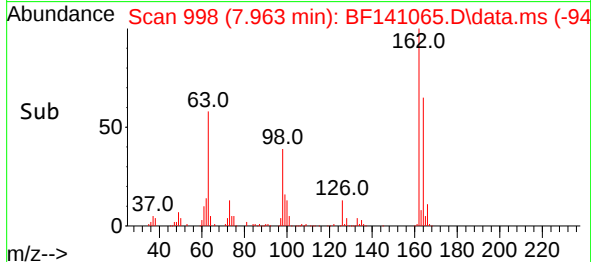
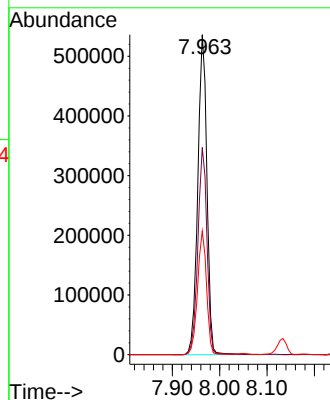
Tgt Ion:162 Resp: 719786

Ion Ratio Lower Upper

162 100

164 64.8 44.8 84.8

98 38.7 18.6 58.6



#30

1,2,4-Trichlorobenzene

Concen: 45.342 ng

RT: 8.051 min Scan# 1013

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

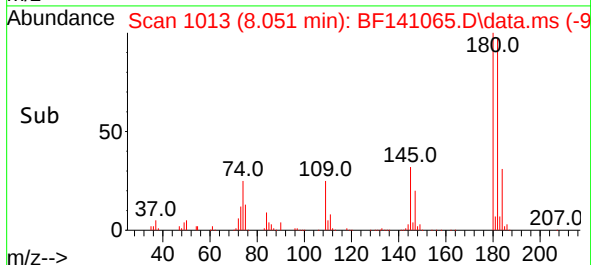
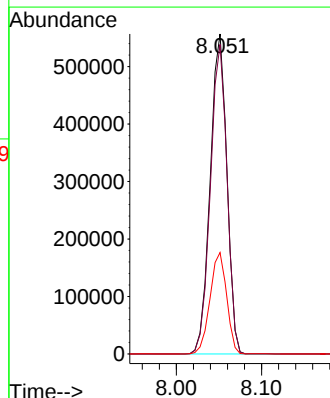
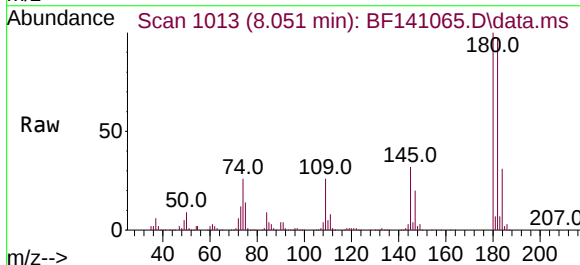
Tgt Ion:180 Resp: 755576

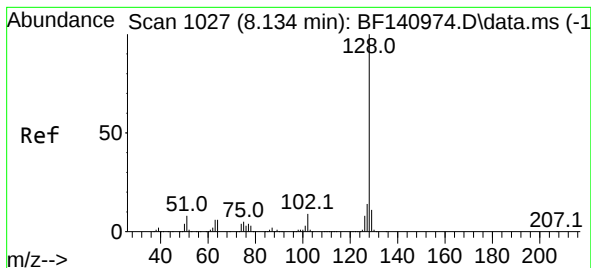
Ion Ratio Lower Upper

180 100

182 96.8 76.2 114.4

145 31.7 25.4 38.2





#31

Naphthalene

Concen: 45.447 ng

RT: 8.134 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

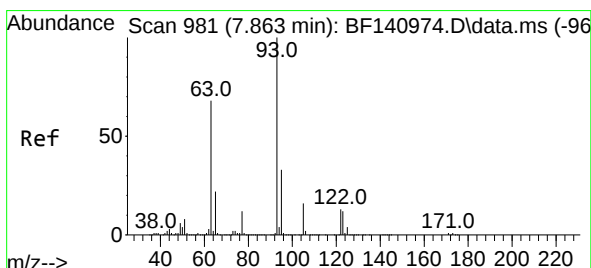
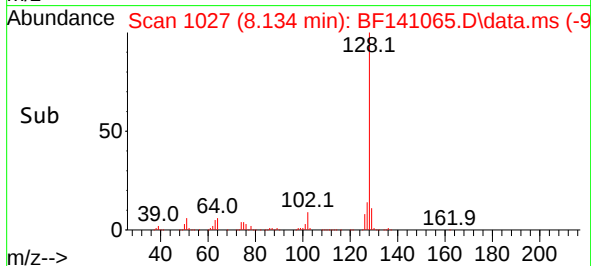
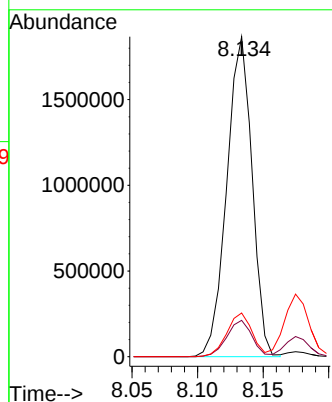
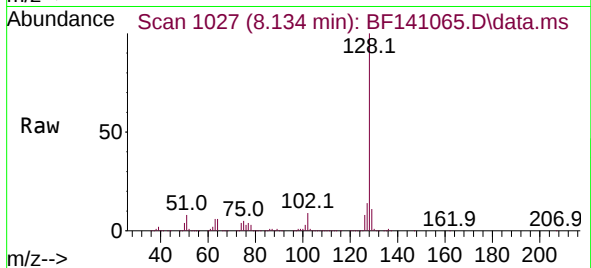
Tgt Ion:128 Resp: 2500894

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

127 13.7 11.0 16.4



#32

Benzoic acid

Concen: 51.255 ng

RT: 7.881 min Scan# 984

Delta R.T. 0.018 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

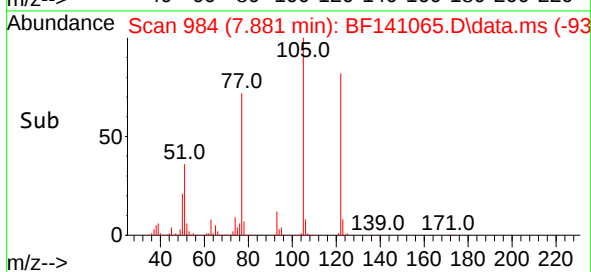
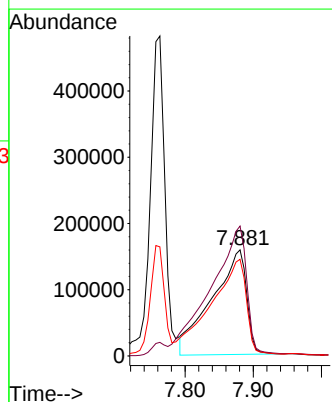
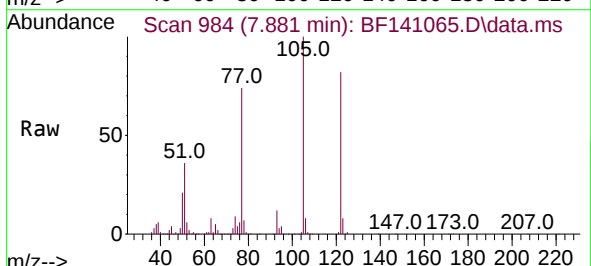
Tgt Ion:122 Resp: 554184

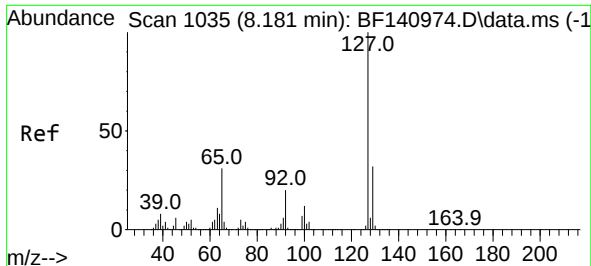
Ion Ratio Lower Upper

122 100

105 122.5 105.4 145.4

77 91.1 76.4 116.4



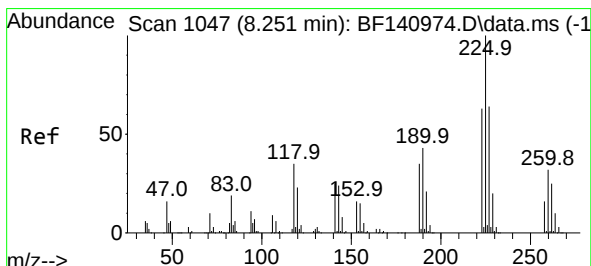
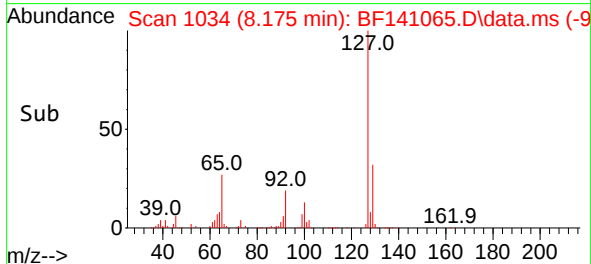
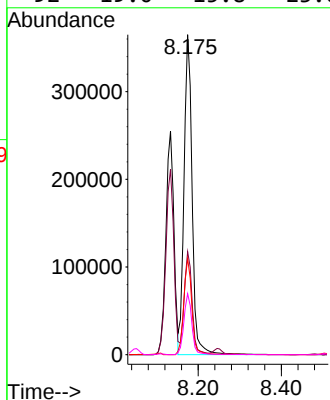
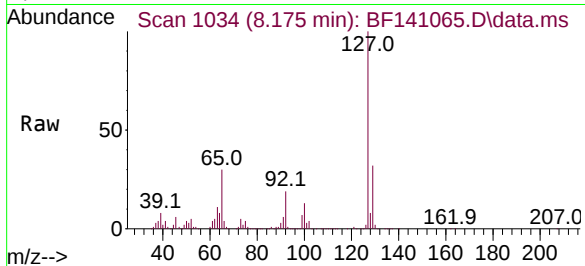


#33  
4-Chloroaniline  
Concen: 24.800 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion:127 Resp: 493711

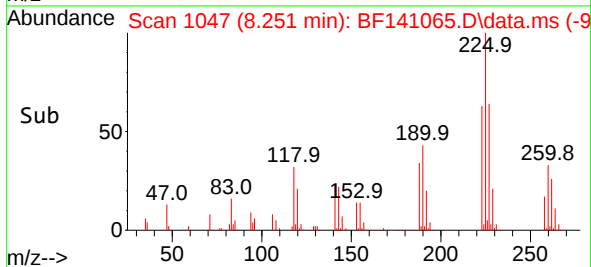
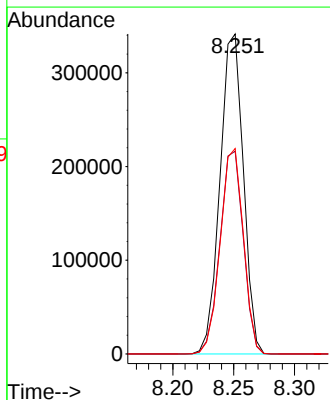
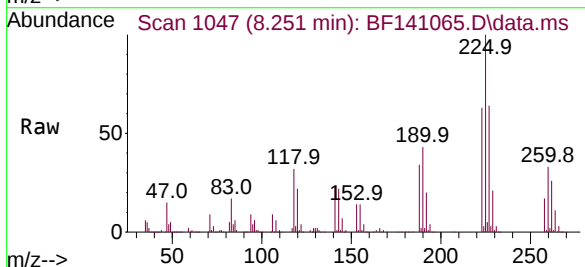
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.2  | 26.1  | 39.1  |
| 65  | 30.0  | 24.6  | 37.0  |
| 92  | 19.0  | 15.8  | 23.6  |

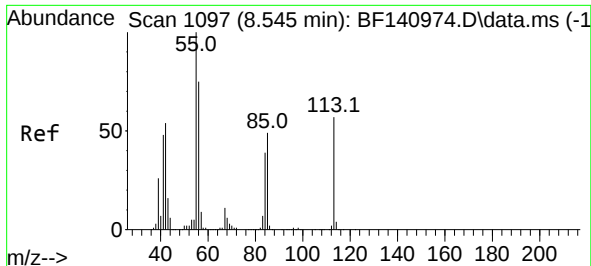


#34  
Hexachlorobutadiene  
Concen: 46.398 ng  
RT: 8.251 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:225 Resp: 455803

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.4  | 50.3  | 75.5  |
| 227 | 64.2  | 50.8  | 76.2  |

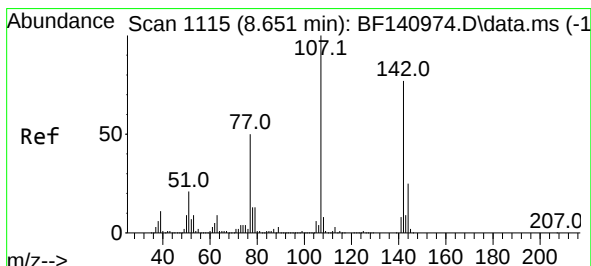
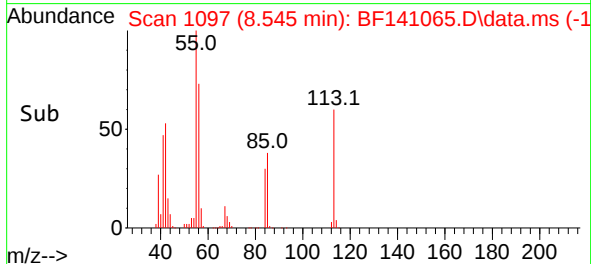
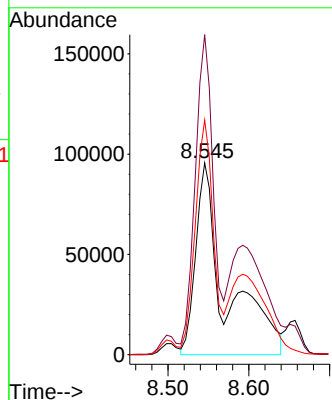
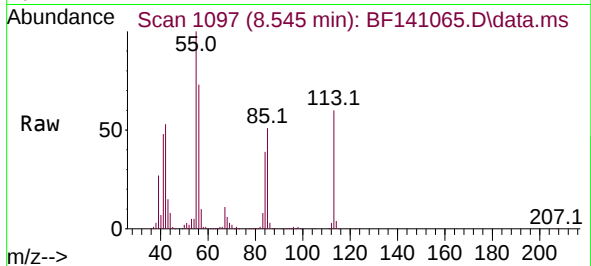




#35  
Caprolactam  
Concen: 48.861 ng m  
RT: 8.545 min Scan# 1097  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

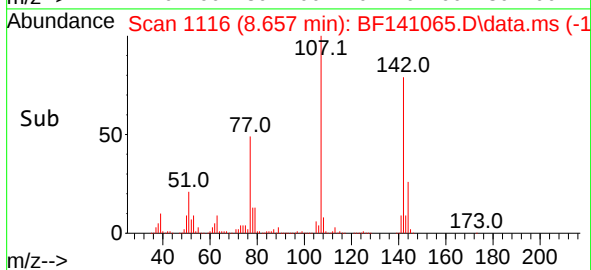
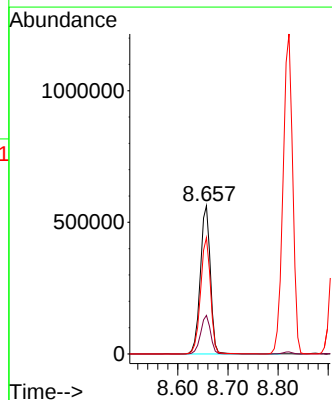
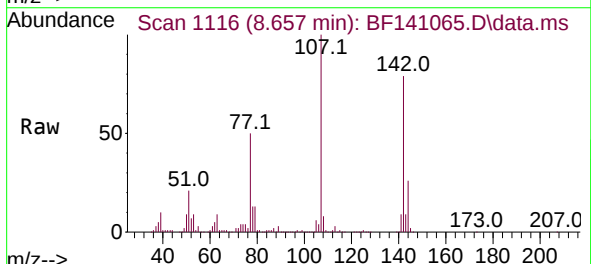
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

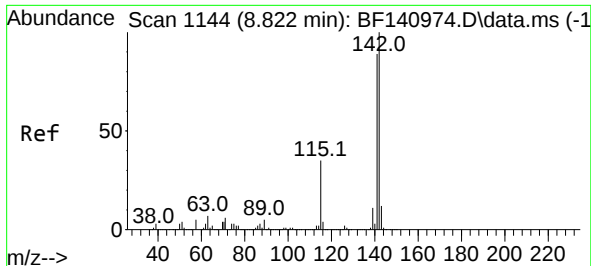
Tgt Ion:113 Resp: 244555  
Ion Ratio Lower Upper  
113 100  
55 166.8 156.6 196.6  
56 122.4 111.7 151.7



#36  
4-Chloro-3-methylphenol  
Concen: 47.757 ng  
RT: 8.657 min Scan# 1116  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:107 Resp: 780837  
Ion Ratio Lower Upper  
107 100  
144 26.0 19.9 29.9  
142 78.5 61.8 92.8

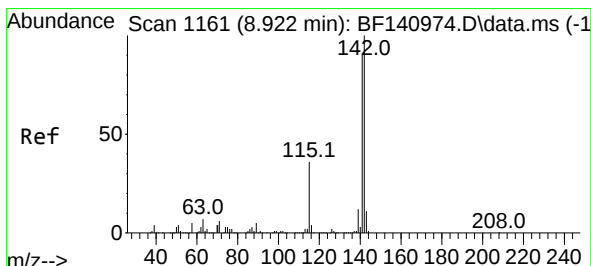
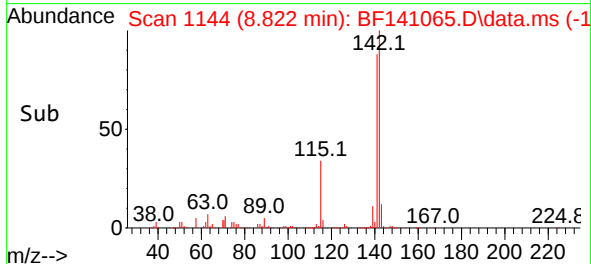
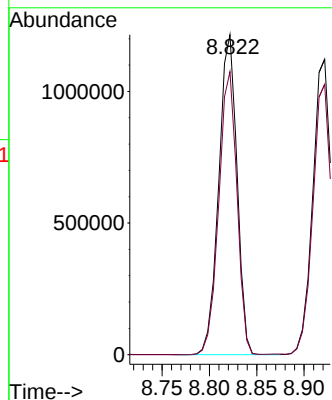
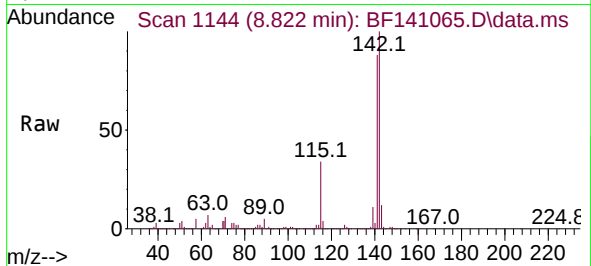




#37  
2-Methylnaphthalene  
Concen: 46.202 ng  
RT: 8.822 min Scan# 1144  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

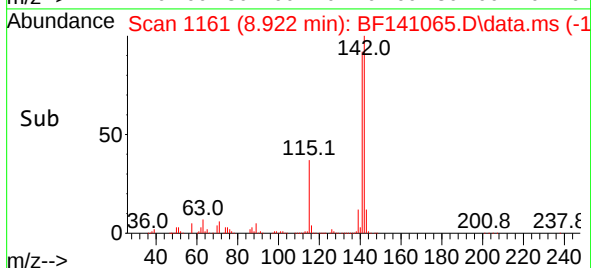
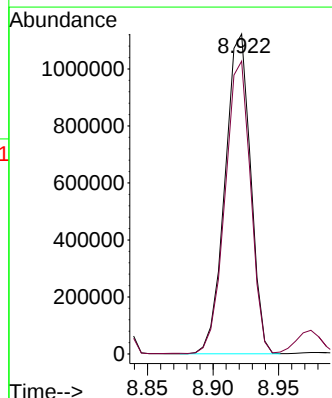
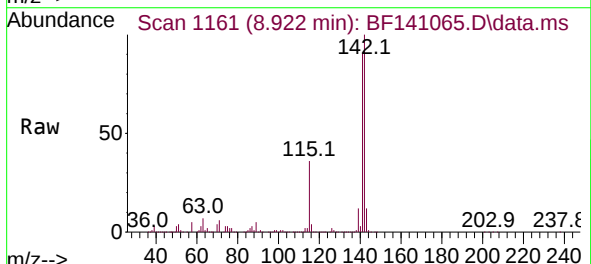
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

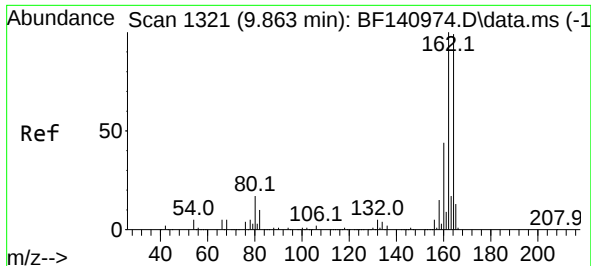
Tgt Ion:142 Resp: 1626476  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 44.005 ng  
RT: 8.922 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

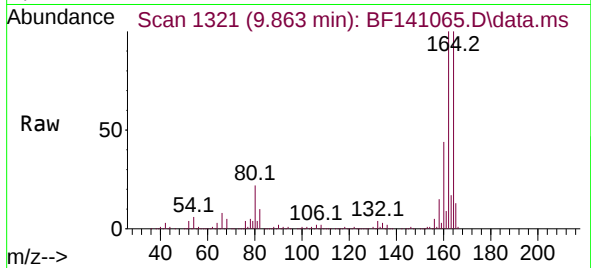
Tgt Ion:142 Resp: 1522459  
Ion Ratio Lower Upper  
142 100  
141 91.5 72.7 109.1



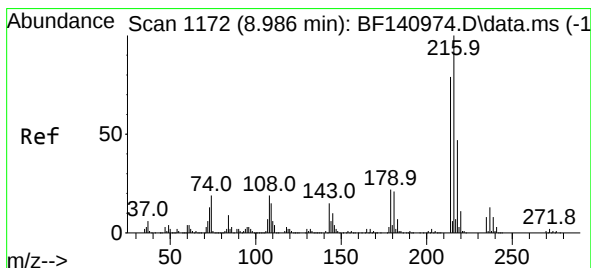
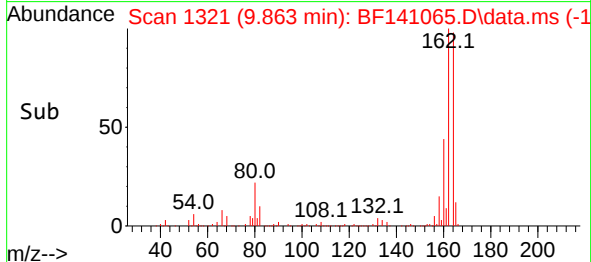
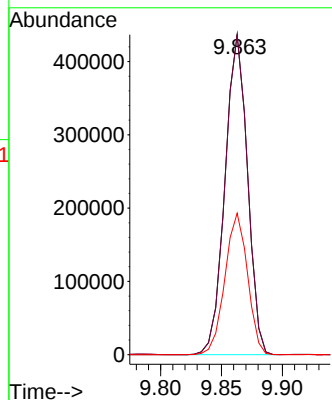


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

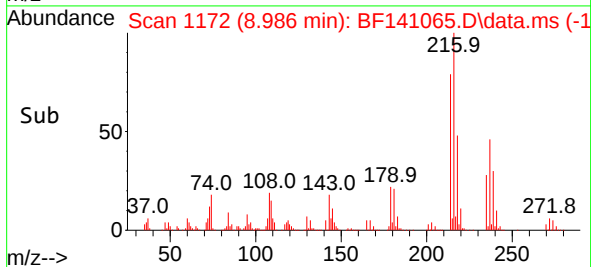
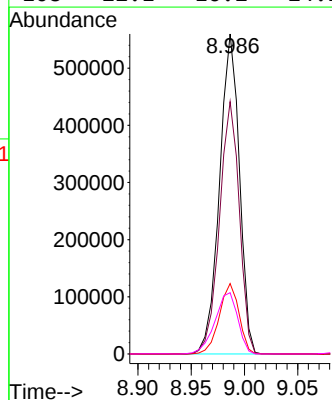
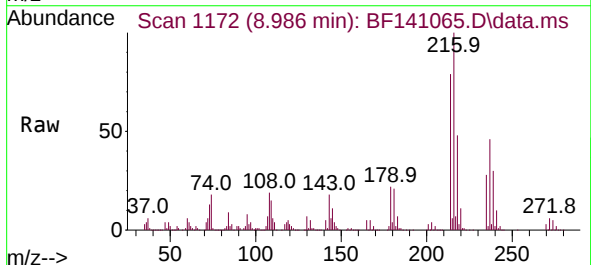


Tgt Ion:164 Resp: 561214  
Ion Ratio Lower Upper  
164 100  
162 99.9 80.6 120.8  
160 44.2 35.7 53.5



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.886 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

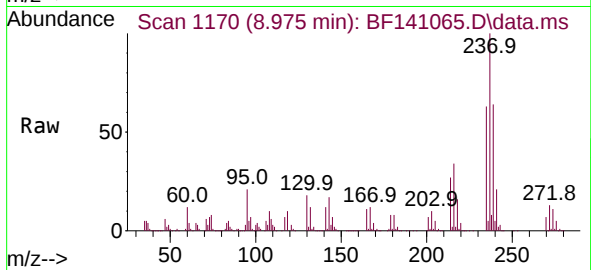
Tgt Ion:216 Resp: 723909  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.0 94.6  
179 21.9 17.9 26.9  
108 22.1 16.2 24.2



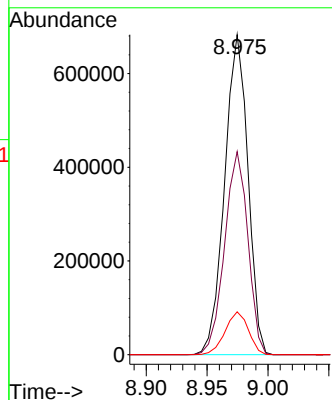
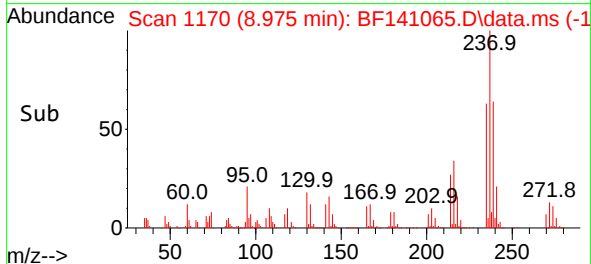


#41  
Hexachlorocyclopentadiene  
Concen: 177.726 ng  
RT: 8.975 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

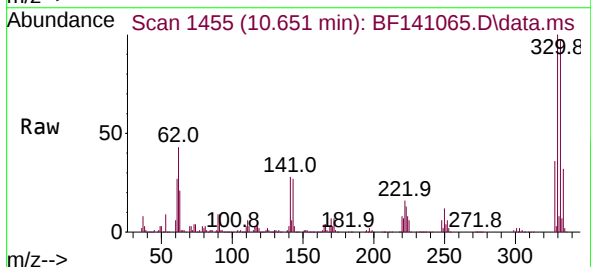
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS



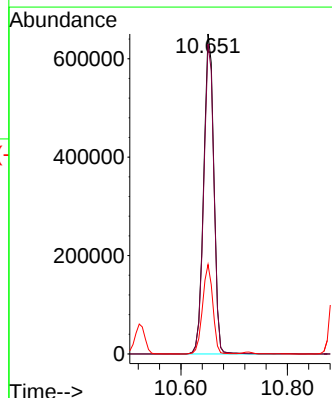
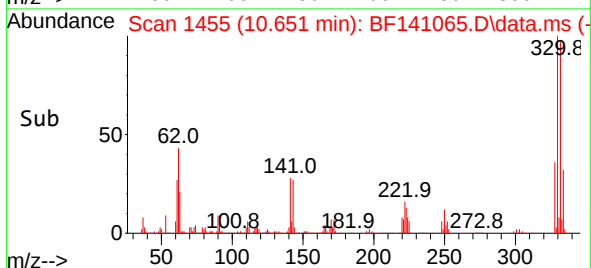
Tgt Ion:237 Resp: 909341  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.4 83.4  
272 13.4 0.0 32.6

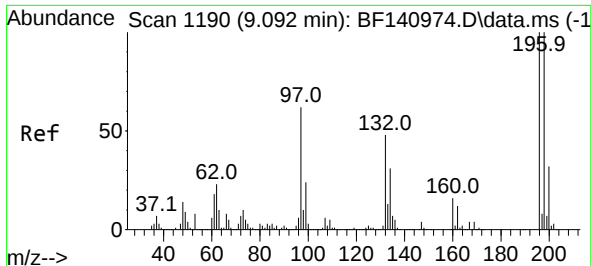


#42  
2,4,6-Tribromophenol  
Concen: 157.625 ng  
RT: 10.651 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03



Tgt Ion:330 Resp: 859584  
Ion Ratio Lower Upper  
330 100  
332 96.9 78.0 117.0  
141 28.2 26.4 39.6

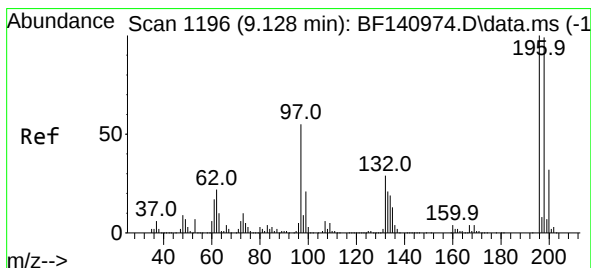
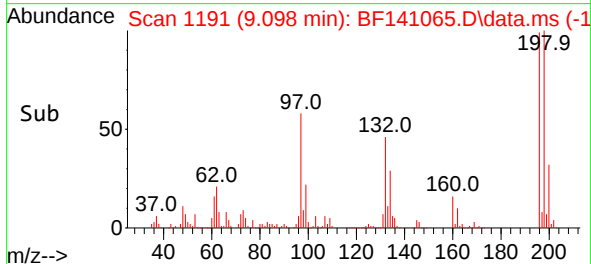
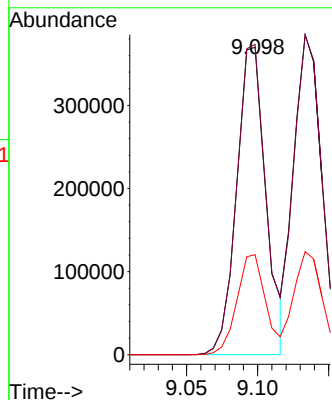
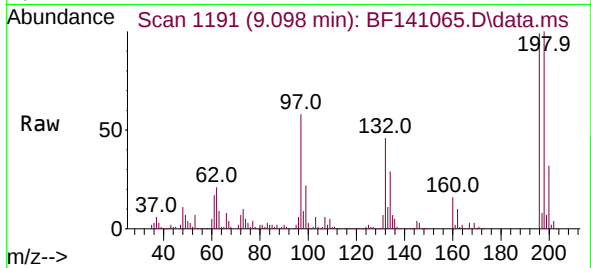




#43  
2,4,6-Trichlorophenol  
Concen: 51.582 ng  
RT: 9.098 min Scan# 1190  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

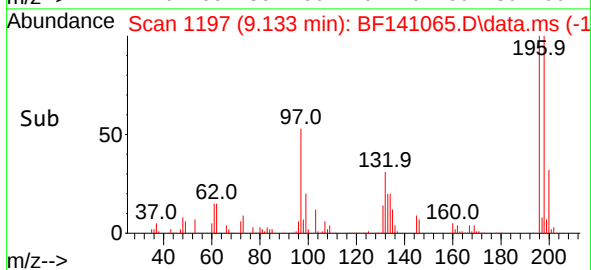
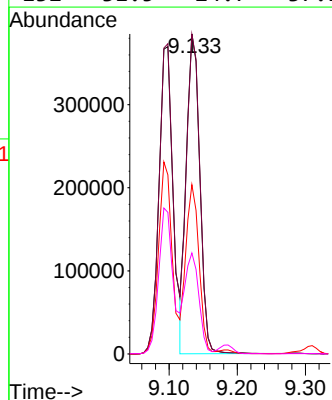
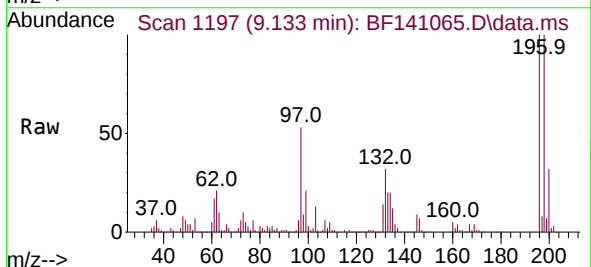
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

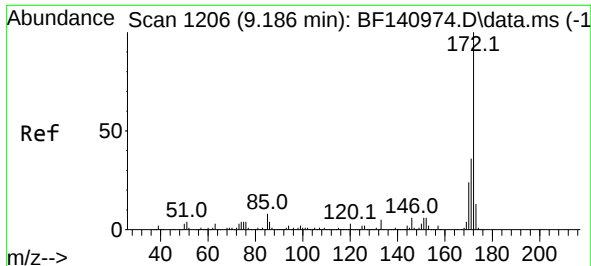
Tgt Ion:196 Resp: 530051  
Ion Ratio Lower Upper  
196 100  
198 100.9 80.2 120.4  
200 32.5 25.8 38.6



#44  
2,4,5-Trichlorophenol  
Concen: 50.183 ng  
RT: 9.133 min Scan# 1197  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:196 Resp: 527631  
Ion Ratio Lower Upper  
196 100  
198 99.8 79.9 119.9  
97 52.9 44.3 66.5  
132 31.5 24.7 37.1

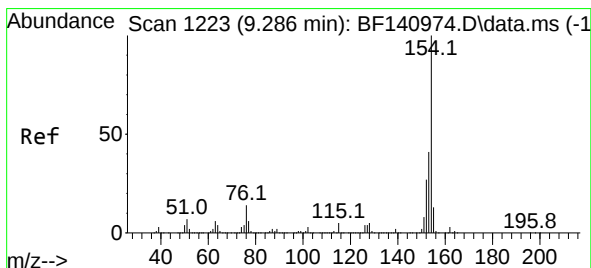
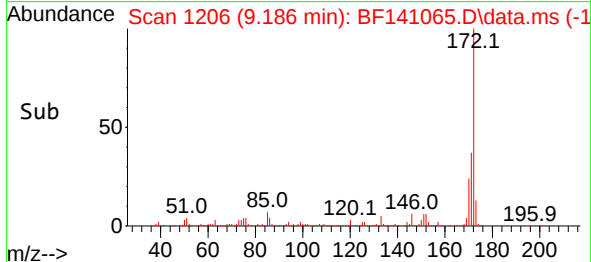
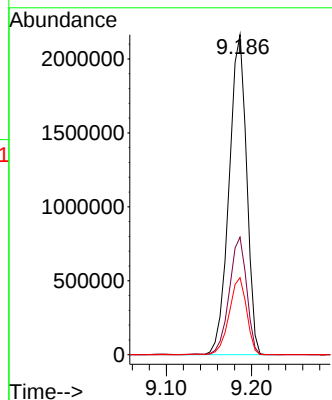
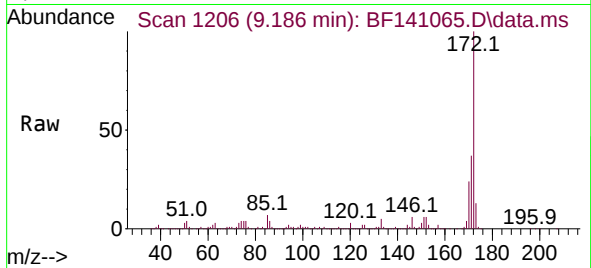




#45  
2-Fluorobiphenyl  
Concen: 87.740 ng  
RT: 9.186 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

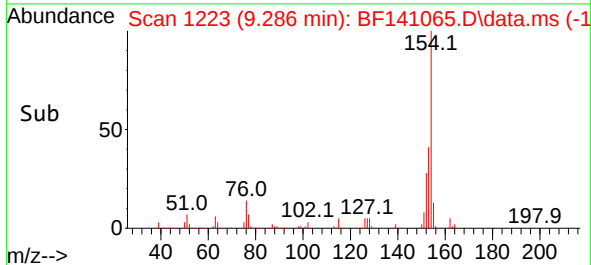
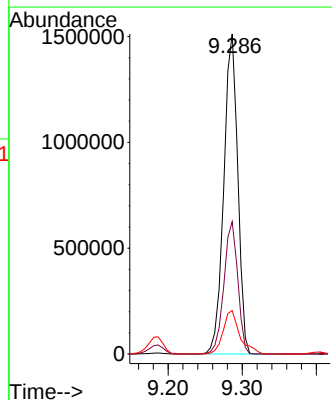
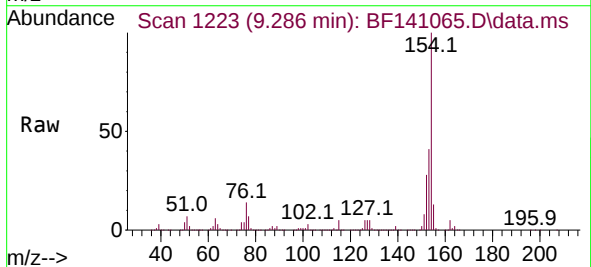
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

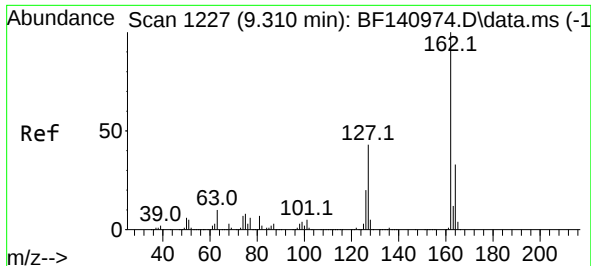
Tgt Ion:172 Resp: 3090607  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.0 43.4  
170 24.1 19.6 29.4



#46  
1,1'-Biphenyl  
Concen: 46.036 ng  
RT: 9.286 min Scan# 1223  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:154 Resp: 1978272  
Ion Ratio Lower Upper  
154 100  
153 41.3 20.9 60.9  
76 13.6 0.0 34.0





#47

2-Chloronaphthalene

Concen: 45.050 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

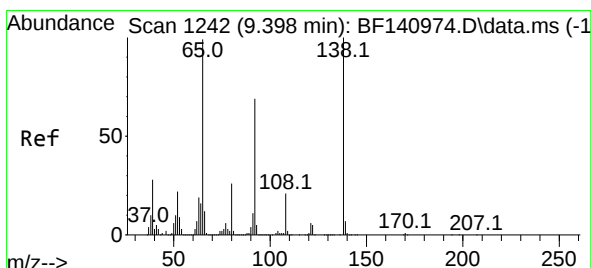
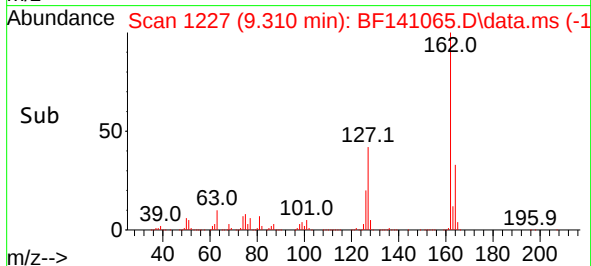
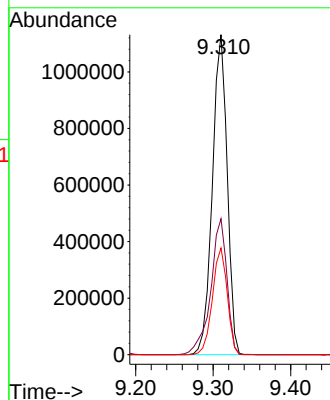
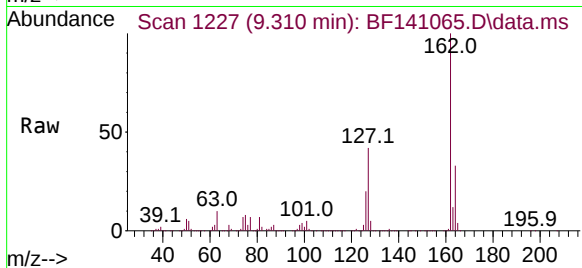
Tgt Ion:162 Resp: 1501403

Ion Ratio Lower Upper

162 100

127 42.5 34.2 51.4

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 54.786 ng

RT: 9.404 min Scan# 1243

Delta R.T. 0.006 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

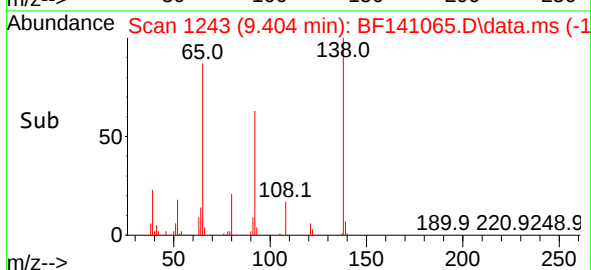
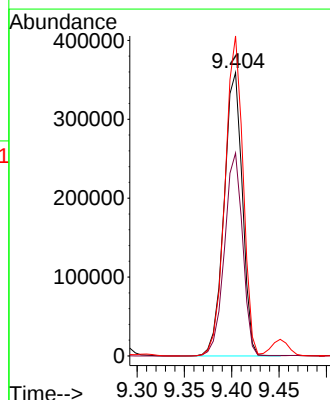
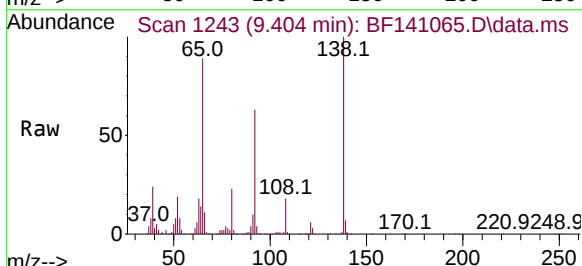
Tgt Ion: 65 Resp: 484004

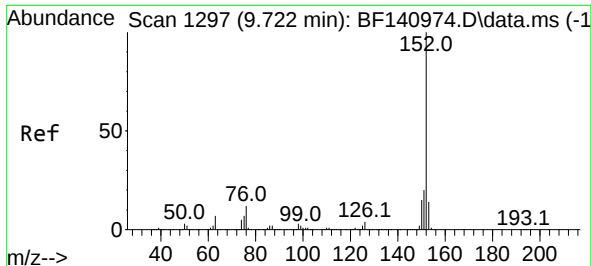
Ion Ratio Lower Upper

65 100

92 71.6 55.6 83.4

138 112.9 80.5 120.7

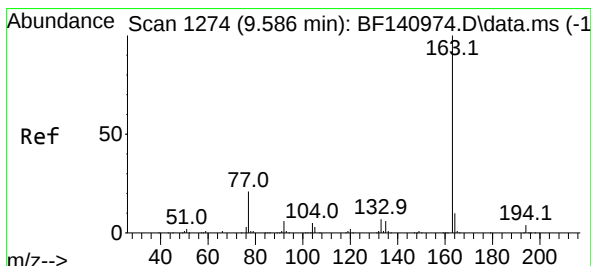
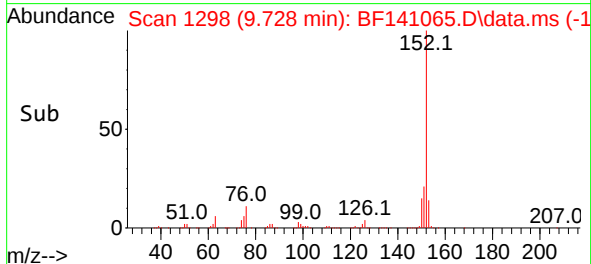
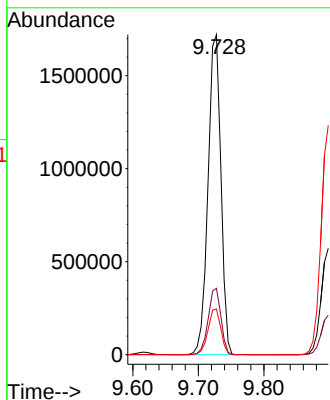
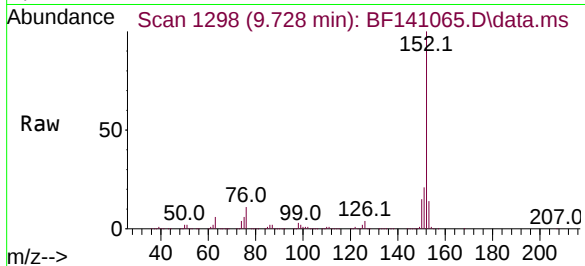




#49  
Acenaphthylene  
Concen: 48.888 ng  
RT: 9.728 min Scan# 1297  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

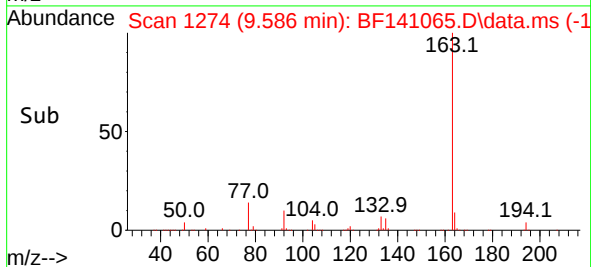
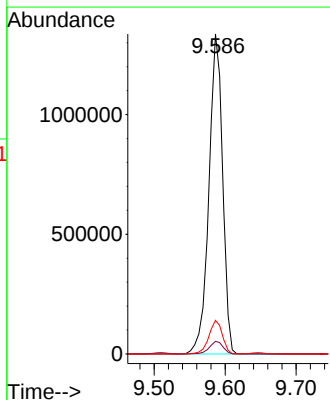
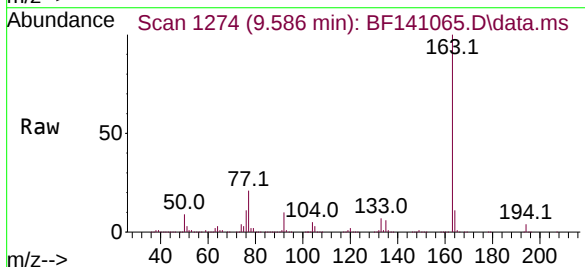
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

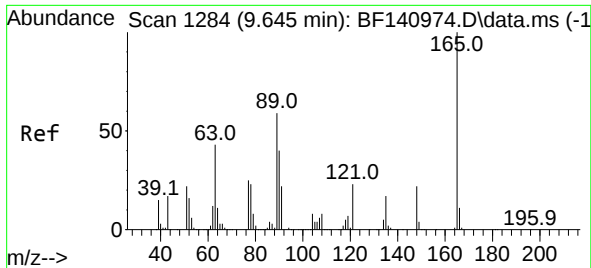
Tgt Ion:152 Resp: 2345475  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.2 24.4  
153 14.3 11.4 17.0



#50  
Dimethylphthalate  
Concen: 48.547 ng  
RT: 9.586 min Scan# 1274  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:163 Resp: 1792105  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.5 8.3 12.5

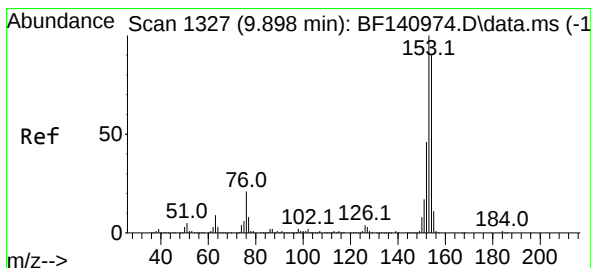
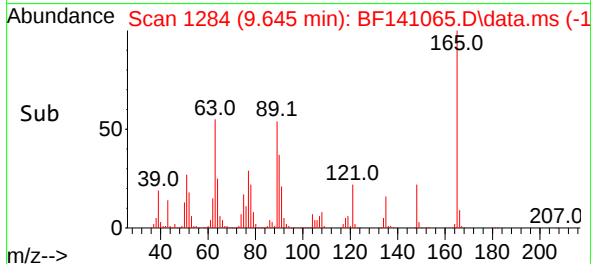
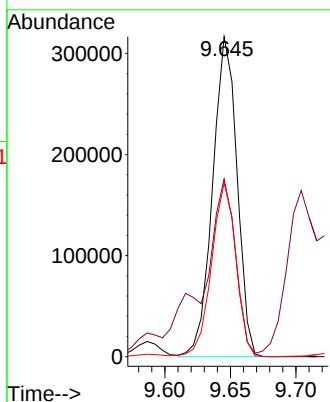
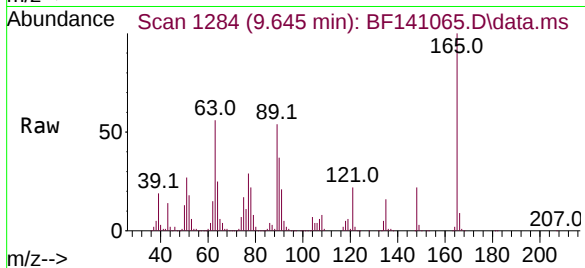




#51  
2,6-Dinitrotoluene  
Concen: 53.808 ng  
RT: 9.645 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

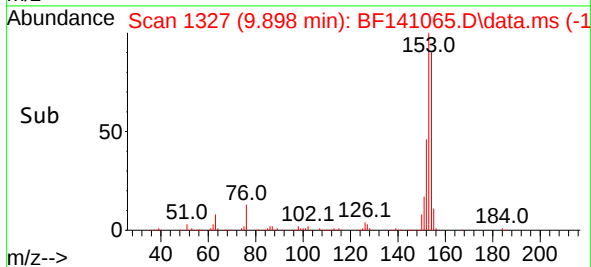
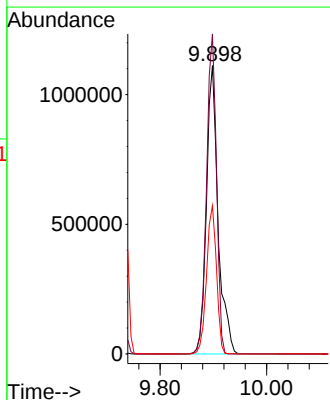
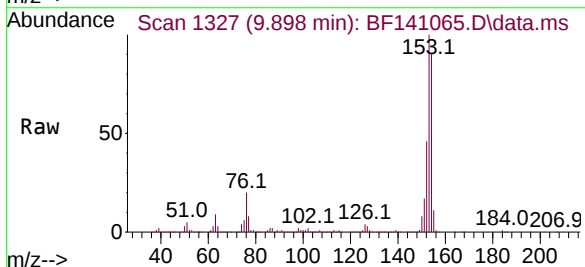
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

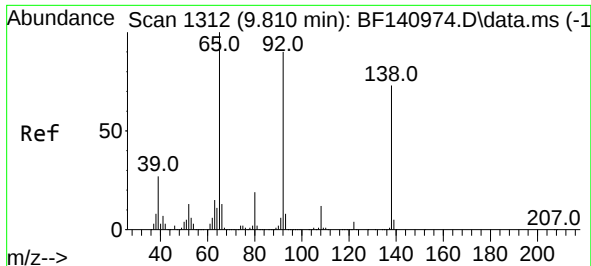
Tgt Ion:165 Resp: 408682  
Ion Ratio Lower Upper  
165 100  
63 55.5 47.1 70.7  
89 54.4 47.0 70.4



#52  
Acenaphthene  
Concen: 52.161 ng  
RT: 9.898 min Scan# 1327  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:154 Resp: 1691822  
Ion Ratio Lower Upper  
154 100  
153 111.0 89.2 133.8  
152 51.4 40.9 61.3

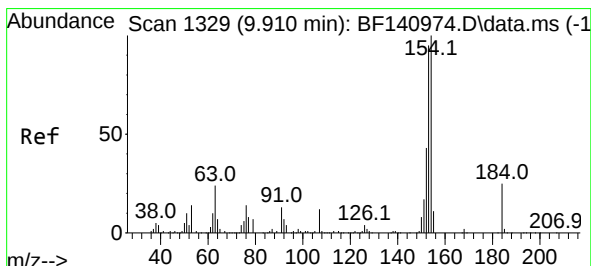
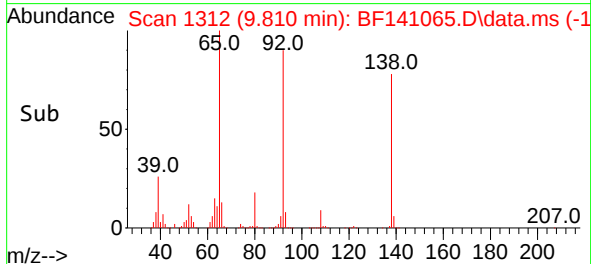
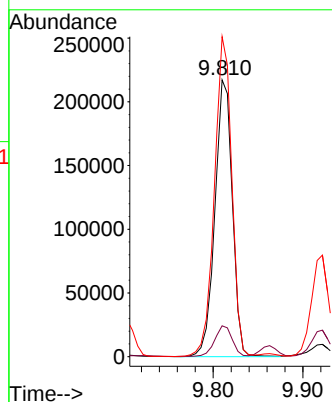
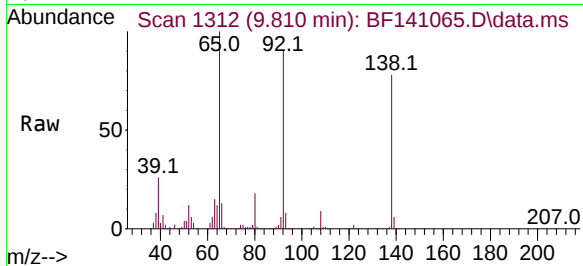




#53  
3-Nitroaniline  
Concen: 36.667 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

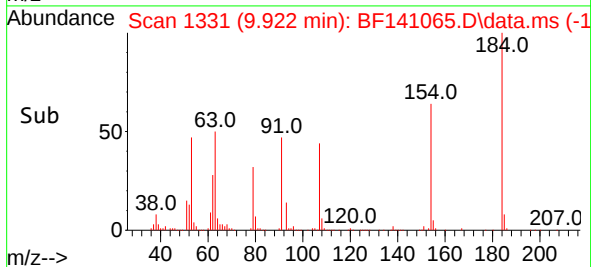
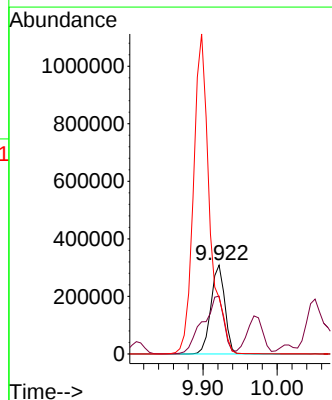
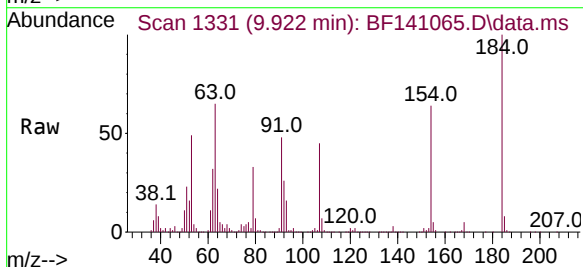
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

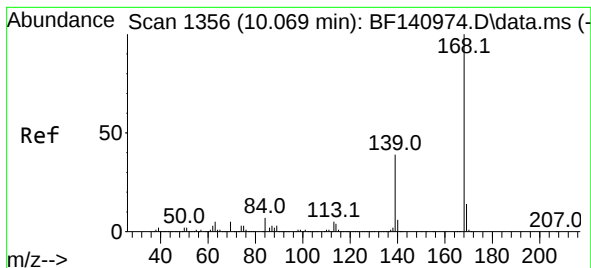
Tgt Ion:138 Resp: 293424  
Ion Ratio Lower Upper  
138 100  
108 11.1 13.5 20.3#  
92 115.6 97.7 146.5



#54  
2,4-Dinitrophenol  
Concen: 113.034 ng  
RT: 9.922 min Scan# 1331  
Delta R.T. 0.012 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:184 Resp: 403862  
Ion Ratio Lower Upper  
184 100  
63 65.0 81.6 122.4#  
154 63.6 363.5 545.3#

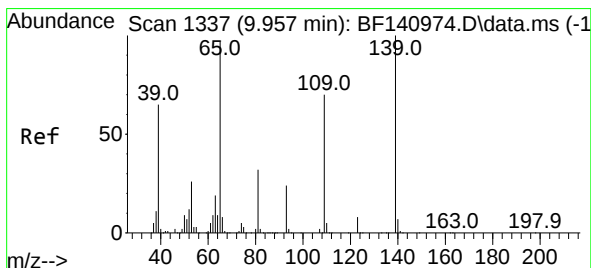
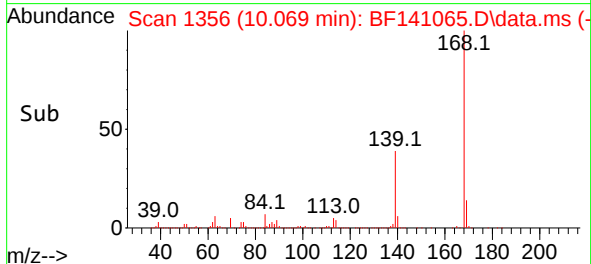
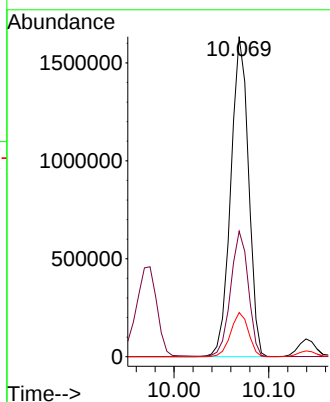
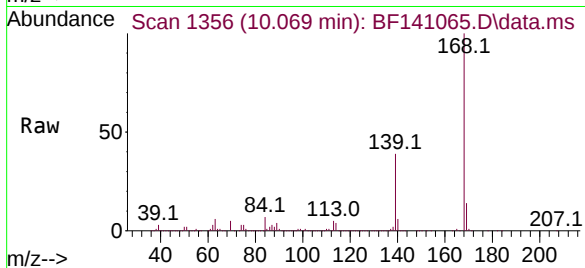




#55  
Dibenzenofuran  
Concen: 46.675 ng  
RT: 10.069 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

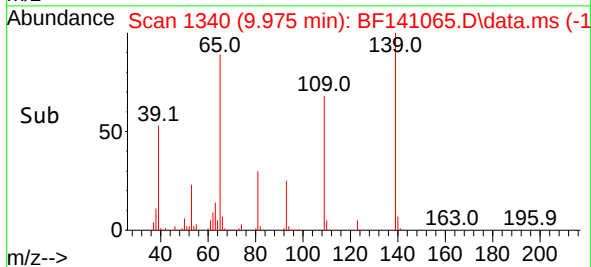
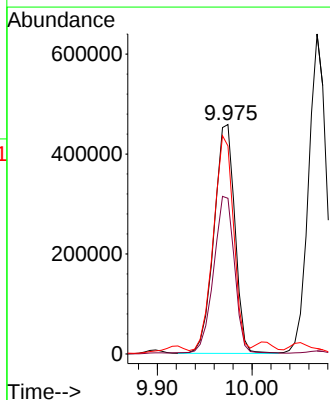
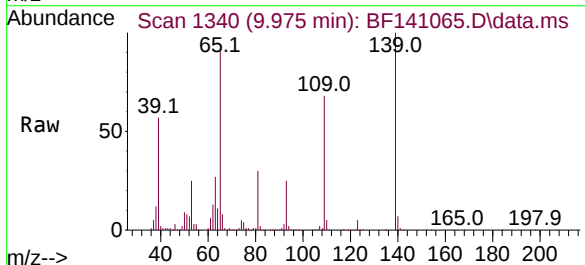
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

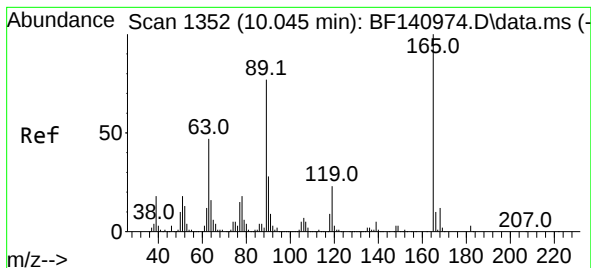
Tgt Ion:168 Resp: 2127512  
Ion Ratio Lower Upper  
168 100  
139 39.2 31.6 47.4  
169 13.8 11.0 16.6



#56  
4-Nitrophenol  
Concen: 111.154 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. 0.018 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:139 Resp: 701887  
Ion Ratio Lower Upper  
139 100  
109 67.9 50.8 90.8  
65 90.6 78.5 118.5

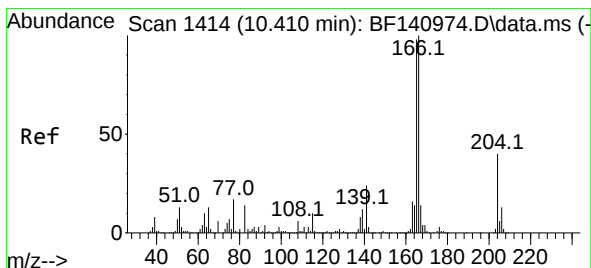
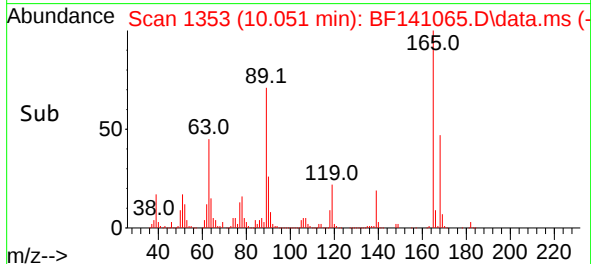
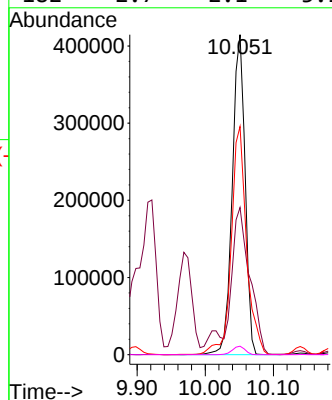
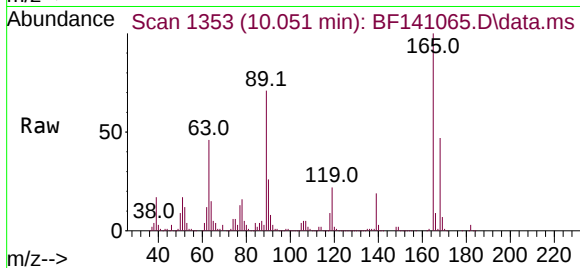




#57  
2,4-Dinitrotoluene  
Concen: 57.822 ng  
RT: 10.051 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

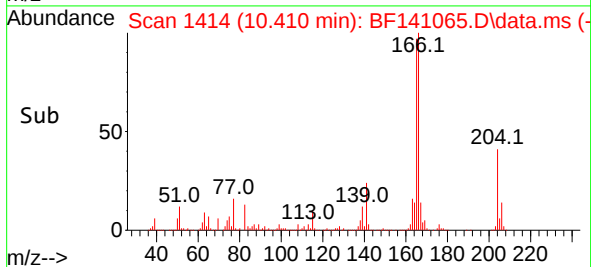
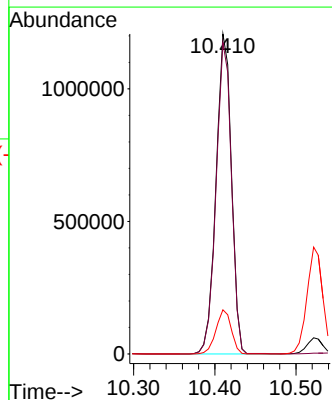
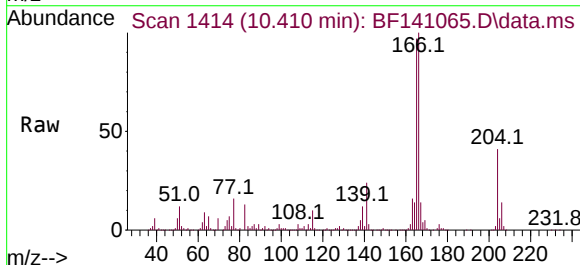
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

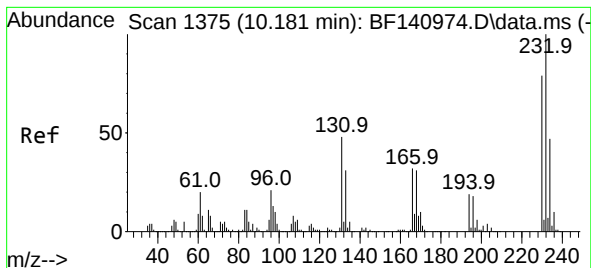
Tgt Ion:165 Resp: 542028  
Ion Ratio Lower Upper  
165 100  
63 46.0 38.1 57.1  
89 71.3 61.4 92.2  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 45.077 ng  
RT: 10.410 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:166 Resp: 1593297  
Ion Ratio Lower Upper  
166 100  
165 97.3 78.3 117.5  
167 13.8 10.9 16.3

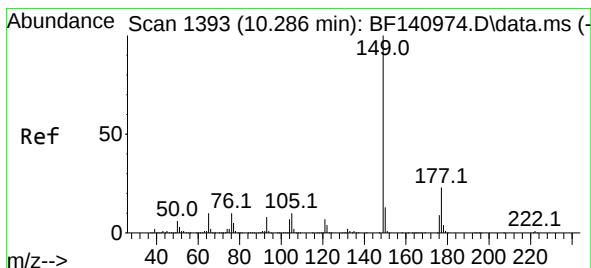
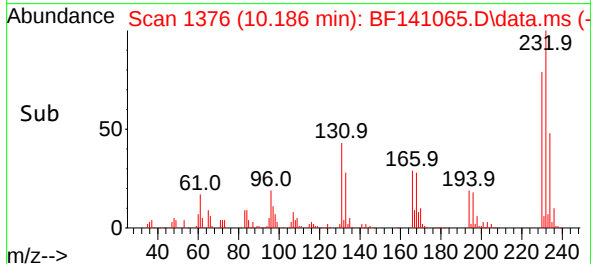
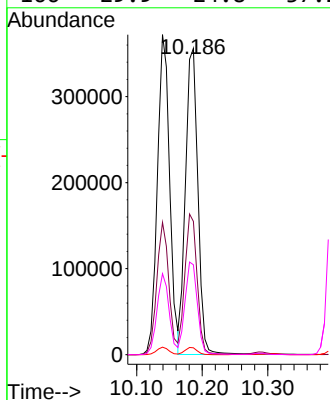
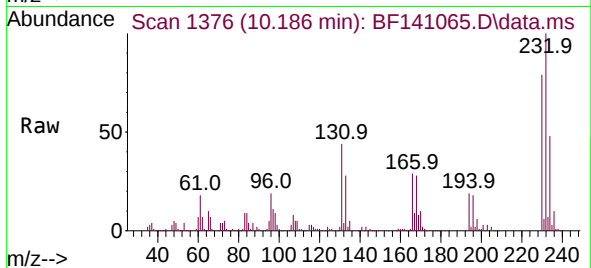




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 53.494 ng  
RT: 10.186 min Scan# 1375  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

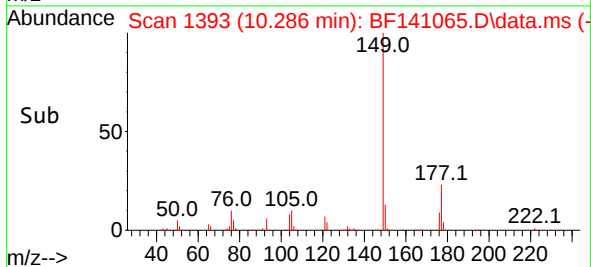
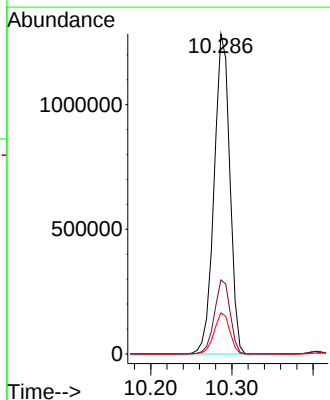
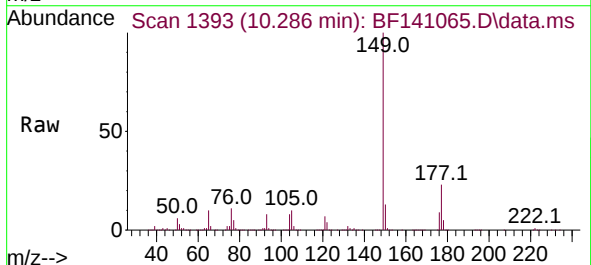
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

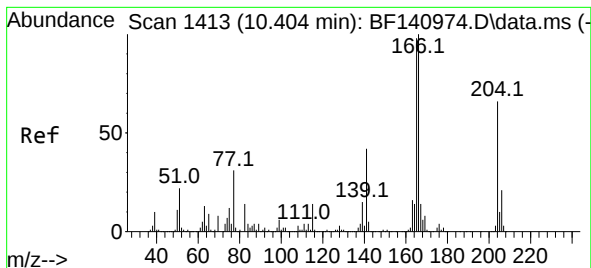
Tgt Ion:232 Resp: 465819  
Ion Ratio Lower Upper  
232 100  
131 45.2 37.4 56.2  
130 2.3 1.8 2.8  
166 29.9 24.8 37.2



#60  
Diethylphthalate  
Concen: 47.386 ng  
RT: 10.286 min Scan# 1393  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:149 Resp: 1726921  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.3 27.5  
150 12.9 10.4 15.6

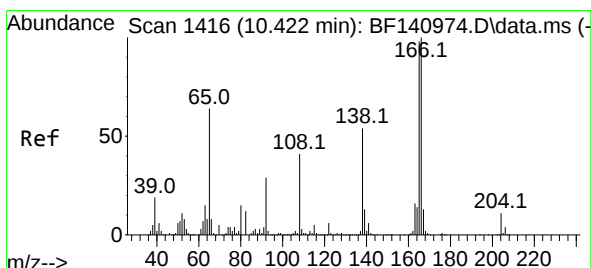
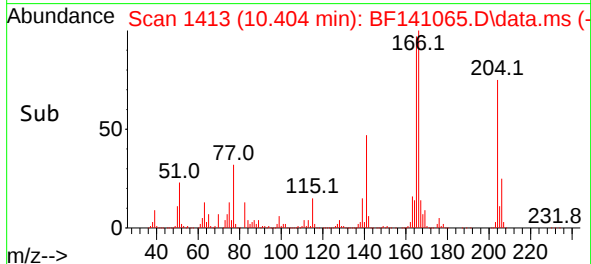
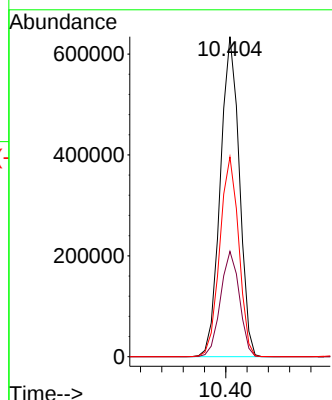
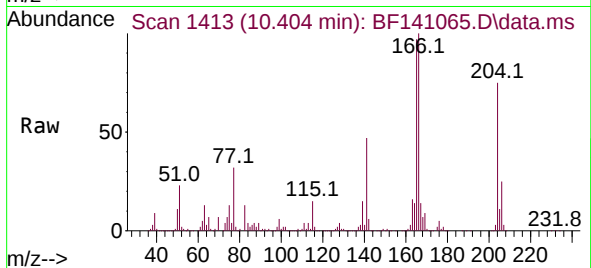




#61  
4-Chlorophenyl-phenylether  
Concen: 46.102 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

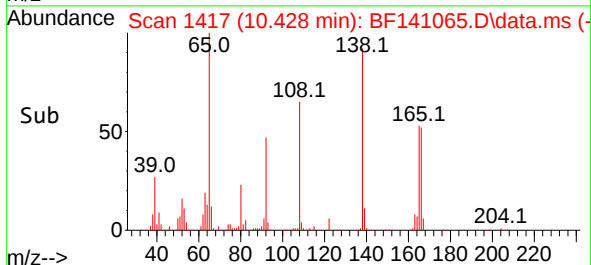
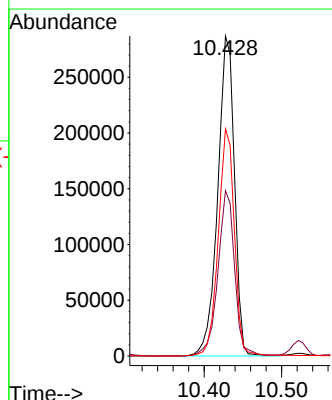
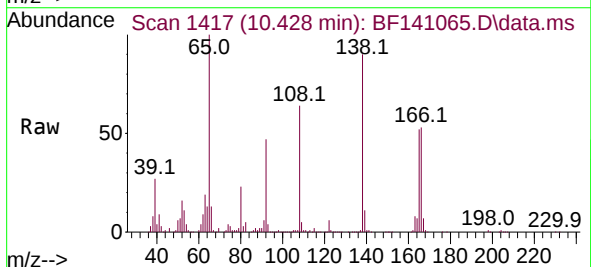
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

Tgt Ion:204 Resp: 784094  
Ion Ratio Lower Upper  
204 100  
206 32.9 25.8 38.6  
141 62.4 51.2 76.8



#62  
4-Nitroaniline  
Concen: 52.362 ng  
RT: 10.428 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:138 Resp: 430938  
Ion Ratio Lower Upper  
138 100  
92 51.6 34.8 74.8  
108 70.9 55.9 95.9





#63

Azobenzene

Concen: 45.765 ng

RT: 10.563 min Scan# 1440

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

Tgt Ion: 77 Resp: 1750610

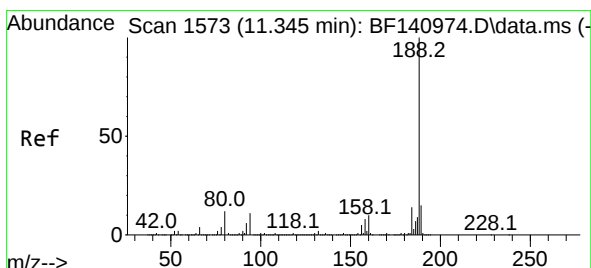
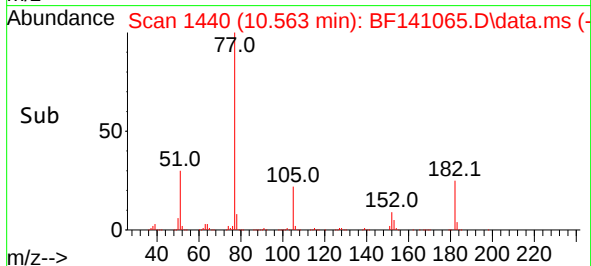
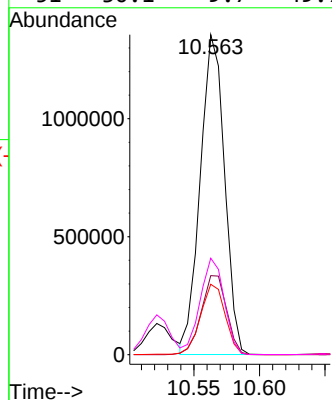
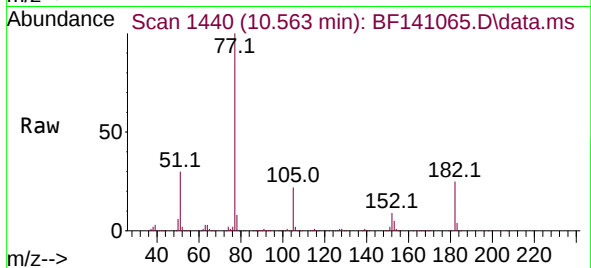
Ion Ratio Lower Upper

77 100

182 24.7 4.1 44.1

105 22.0 1.8 41.8

51 30.1 9.7 49.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

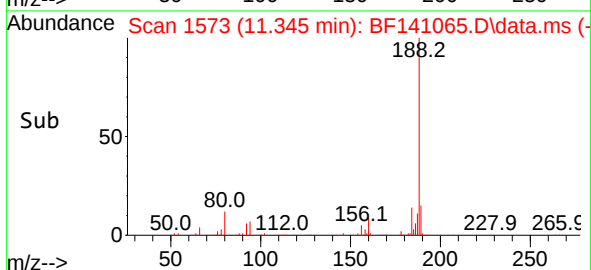
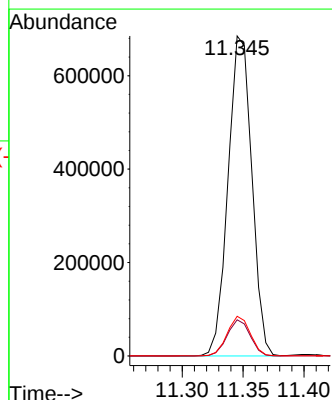
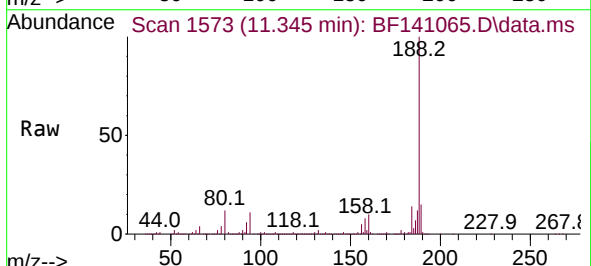
Tgt Ion: 188 Resp: 930135

Ion Ratio Lower Upper

188 100

94 11.3 9.0 13.6

80 12.4 9.8 14.6

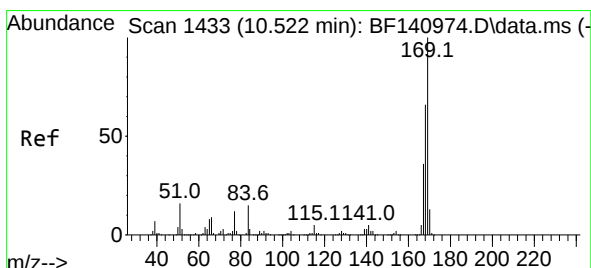
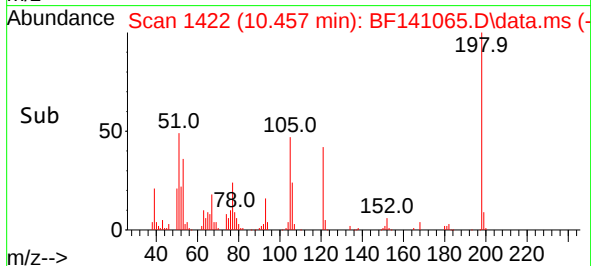
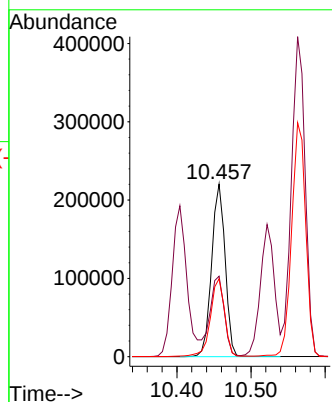
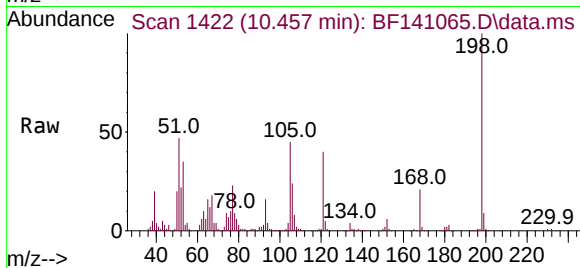




#65  
4,6-Dinitro-2-methylphenol  
Concen: 70.024 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

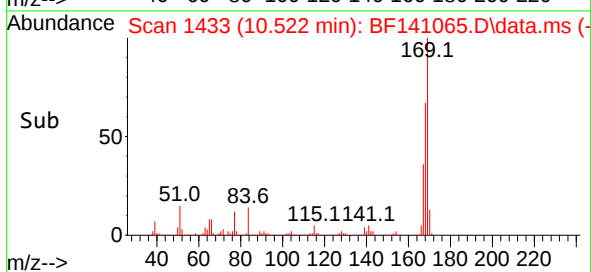
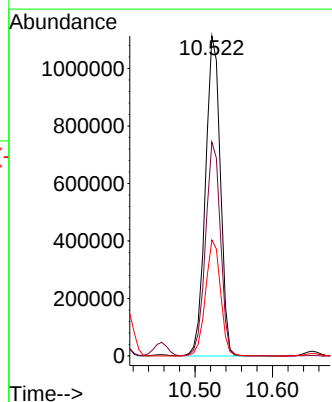
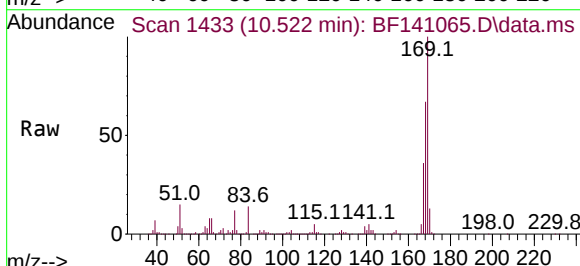
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

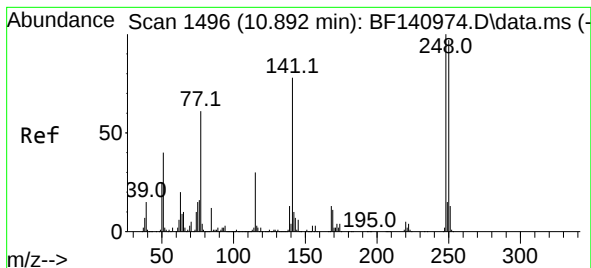
Tgt Ion:198 Resp: 279427  
Ion Ratio Lower Upper  
198 100  
51 46.6 32.3 72.3  
105 45.2 28.4 68.4



#66  
n-Nitrosodiphenylamine  
Concen: 50.598 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:169 Resp: 1481992  
Ion Ratio Lower Upper  
169 100  
168 66.9 52.6 79.0  
167 36.2 29.0 43.4

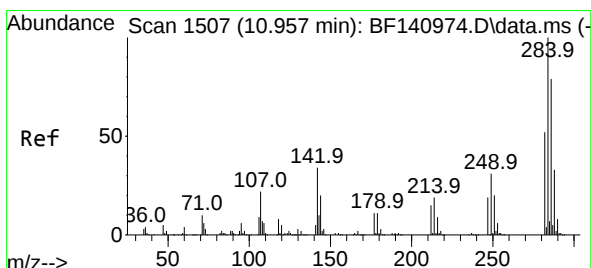
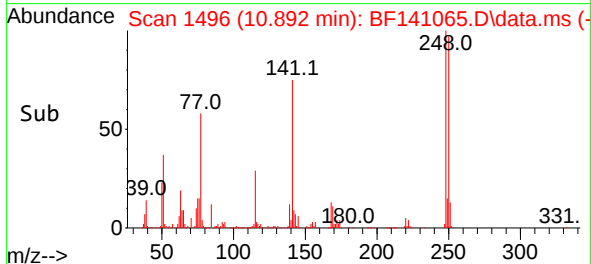
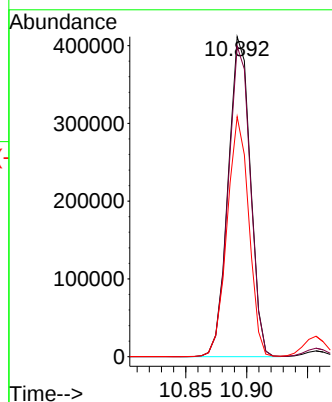
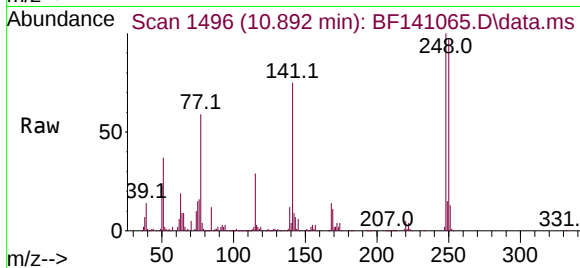




#67  
4-Bromophenyl-phenylether  
Concen: 52.080 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

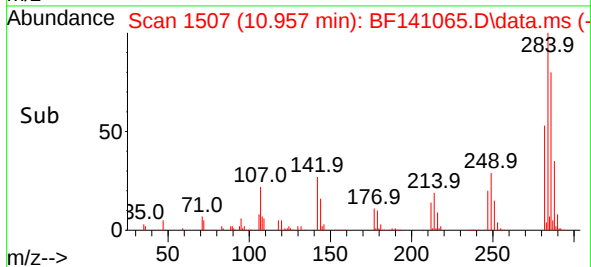
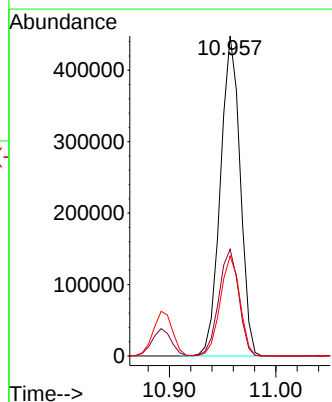
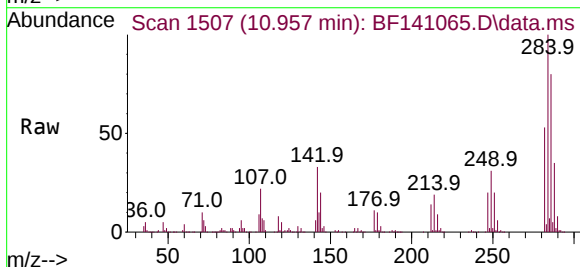
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

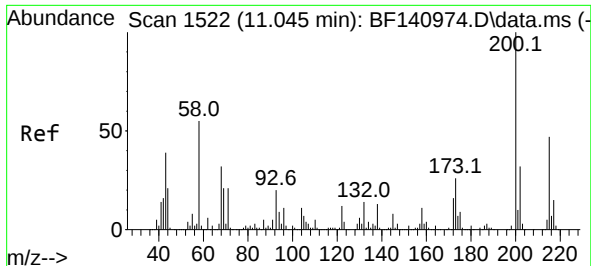
Tgt Ion:248 Resp: 523658  
Ion Ratio Lower Upper  
248 100  
250 97.0 77.7 116.5  
141 75.0 62.1 93.1



#68  
Hexachlorobenzene  
Concen: 51.815 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:284 Resp: 574476  
Ion Ratio Lower Upper  
284 100  
142 33.4 27.1 40.7  
249 31.2 25.1 37.7

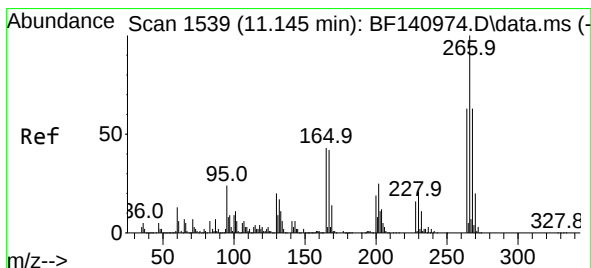
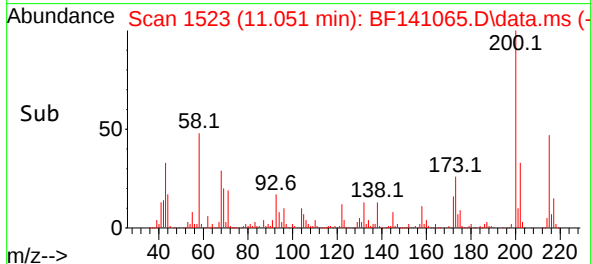
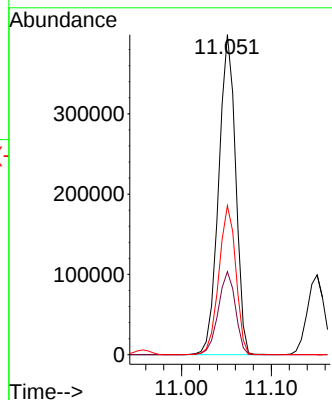
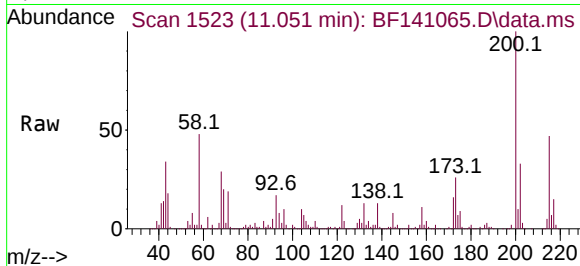




#69  
Atrazine  
Concen: 63.950 ng  
RT: 11.051 min Scan# 1522  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

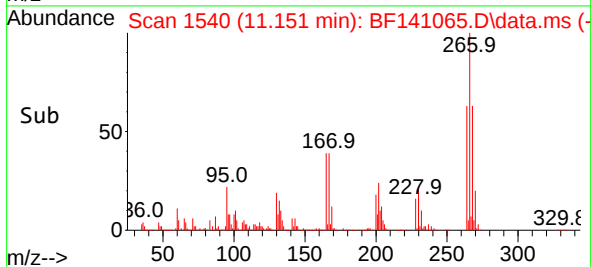
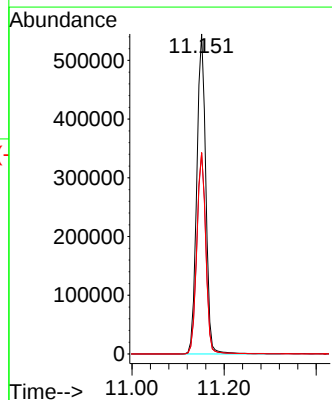
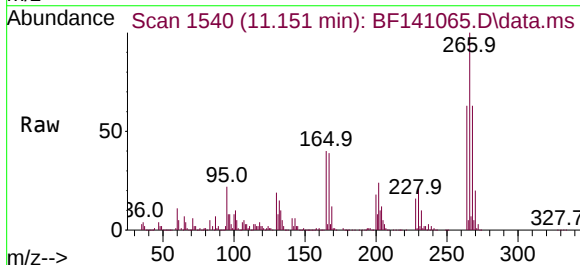
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

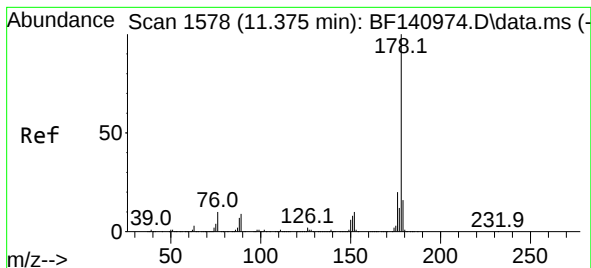
Tgt Ion:200 Resp: 523276  
Ion Ratio Lower Upper  
200 100  
173 26.0 6.4 46.4  
215 46.5 27.2 67.2



#70  
Pentachlorophenol  
Concen: 106.719 ng  
RT: 11.151 min Scan# 1540  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:266 Resp: 736673  
Ion Ratio Lower Upper  
266 100  
268 62.9 50.5 75.7  
264 63.0 50.2 75.4





#71

Phenanthrene

Concen: 49.805 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

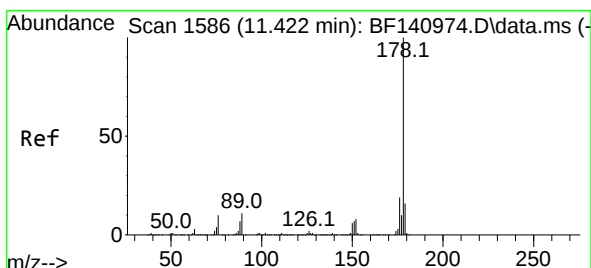
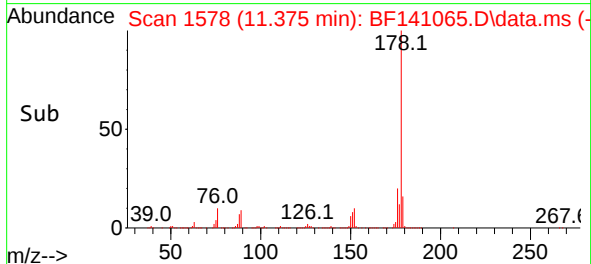
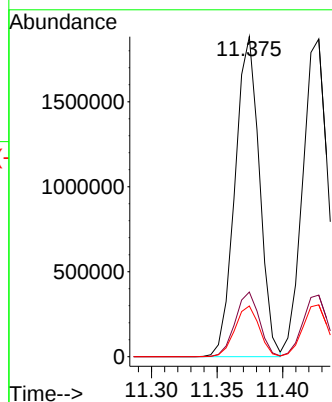
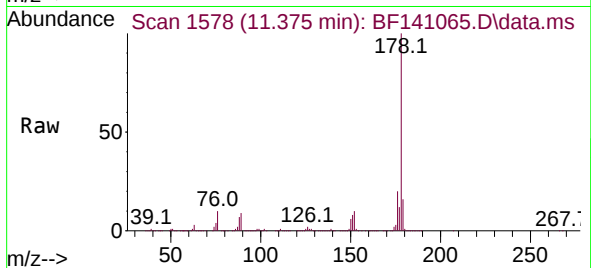
Tgt Ion:178 Resp: 2438164

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.6

179 15.9 12.6 19.0



#72

Anthracene

Concen: 51.244 ng

RT: 11.427 min Scan# 1587

Delta R.T. 0.006 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

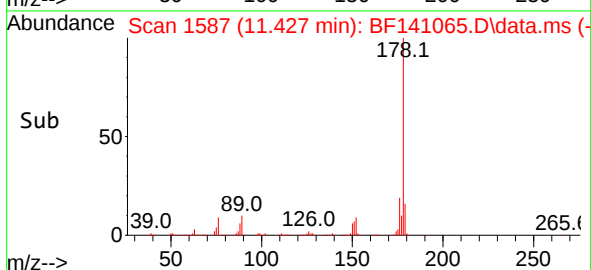
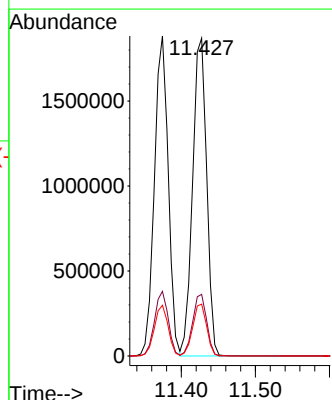
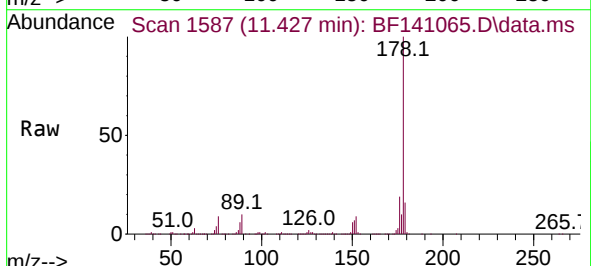
Tgt Ion:178 Resp: 2458121

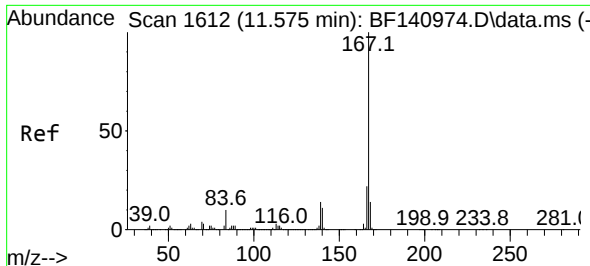
Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 16.3 12.9 19.3

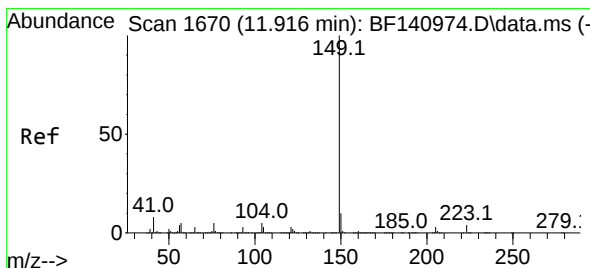
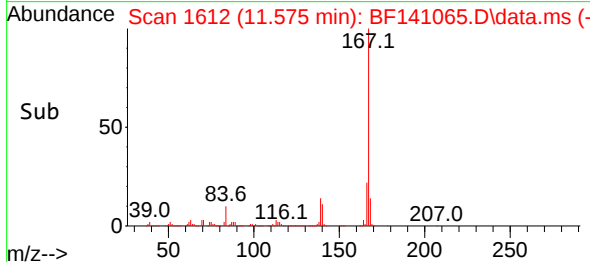
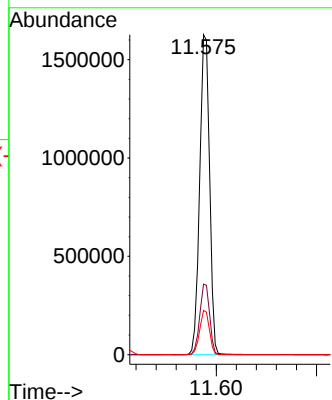
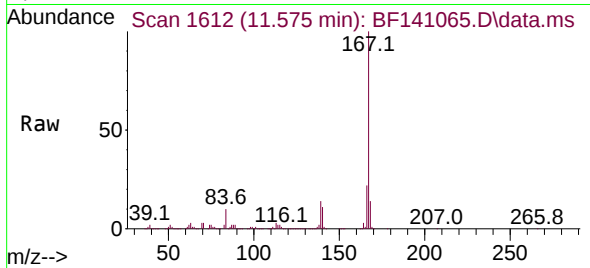




#73  
 Carbazole  
 Concen: 48.149 ng  
 RT: 11.575 min Scan# 1612  
 Delta R.T. -0.000 min  
 Lab File: BF141065.D  
 Acq: 03 Jan 2025 14:03

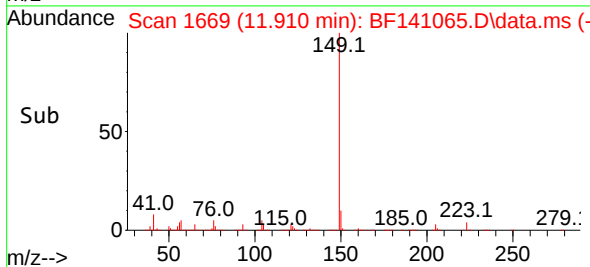
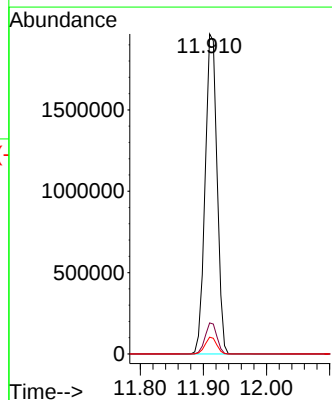
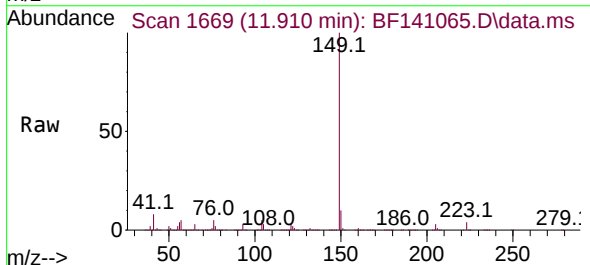
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB165945BS

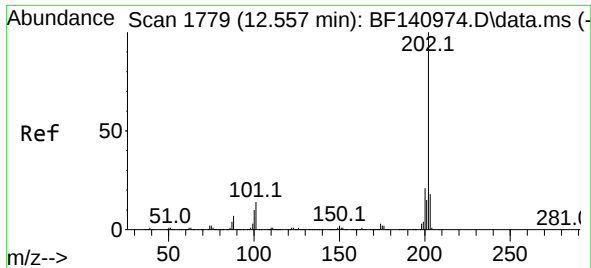
Tgt Ion:167 Resp: 2220304  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.5 26.3  
 139 13.8 11.0 16.4



#74  
 Di-n-butylphthalate  
 Concen: 49.151 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF141065.D  
 Acq: 03 Jan 2025 14:03

Tgt Ion:149 Resp: 2577929  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.7 11.5  
 104 5.2 4.1 6.1

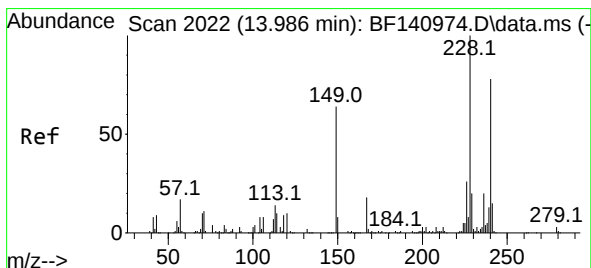
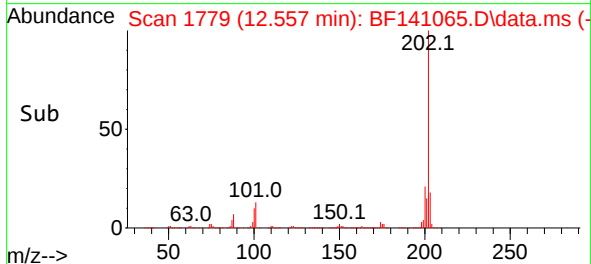
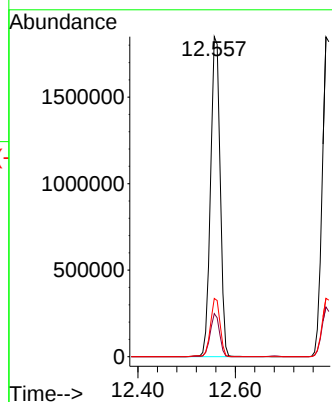
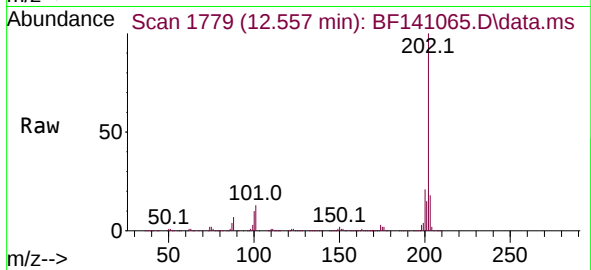




#75  
Fluoranthene  
Concen: 47.298 ng  
RT: 12.557 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

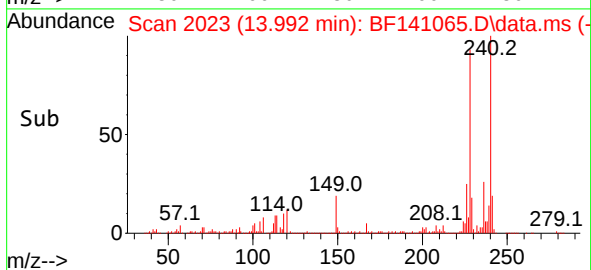
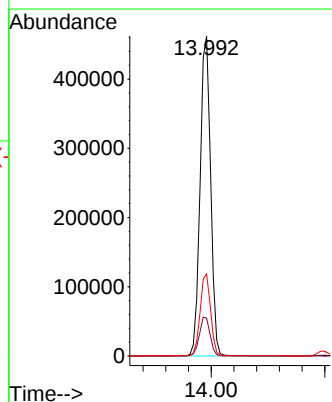
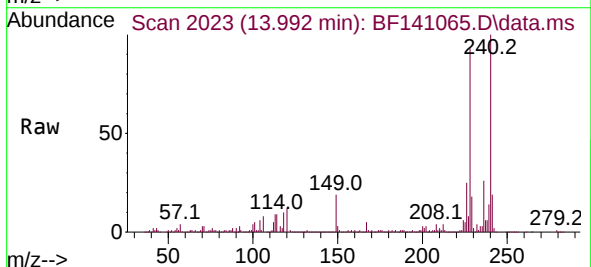
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

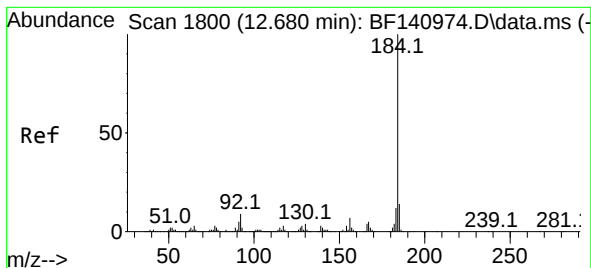
Tgt Ion:202 Resp: 2511239  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 33.7  
203 18.2 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 2023  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:240 Resp: 595107  
Ion Ratio Lower Upper  
240 100  
120 11.8 10.7 16.1  
236 25.7 20.6 31.0





#77

Benzidine

Concen: 63.216 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

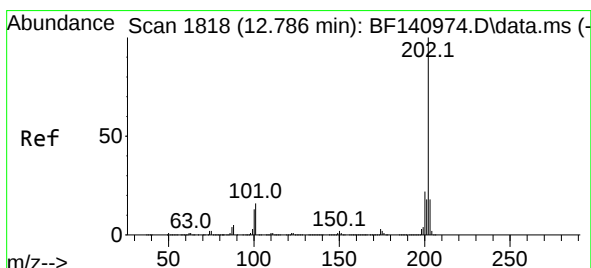
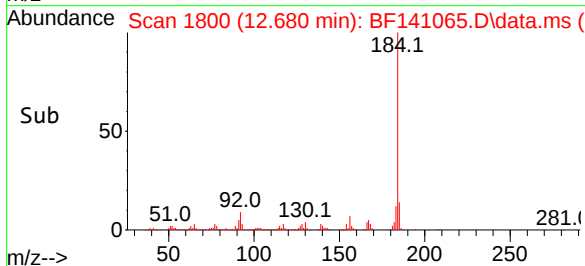
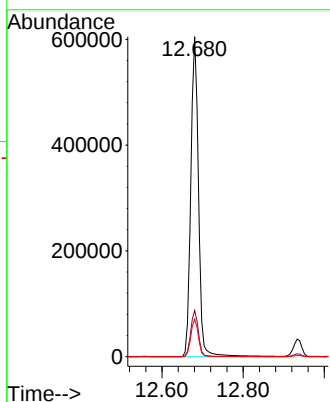
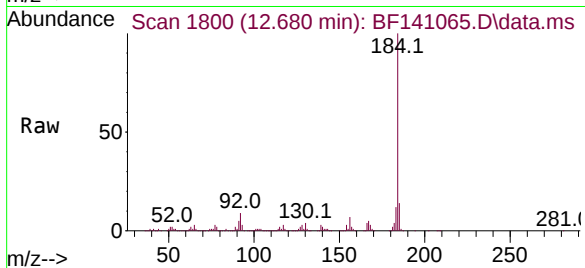
Tgt Ion:184 Resp: 795068

Ion Ratio Lower Upper

184 100

185 14.5 11.4 17.2

183 11.8 9.4 14.0



#78

Pyrene

Concen: 48.925 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

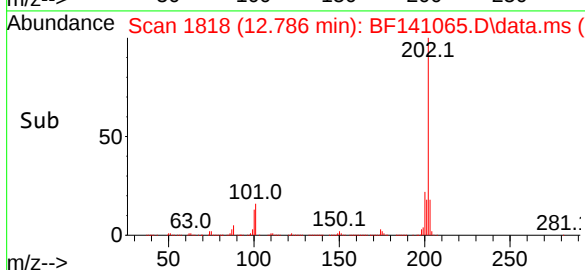
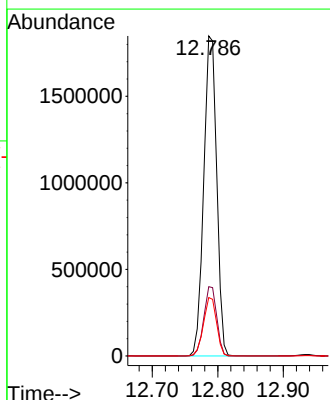
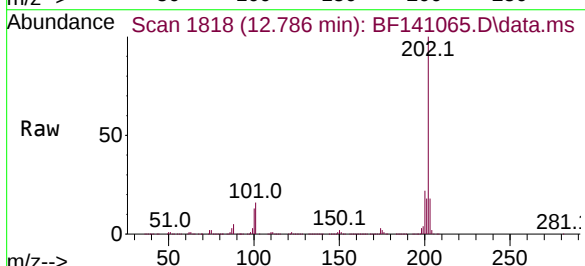
Tgt Ion:202 Resp: 2546390

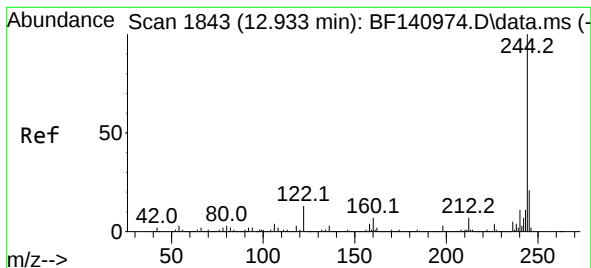
Ion Ratio Lower Upper

202 100

200 21.6 17.3 25.9

203 18.3 14.6 21.8





#79

Terphenyl-d14

Concen: 96.383 ng

RT: 12.933 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

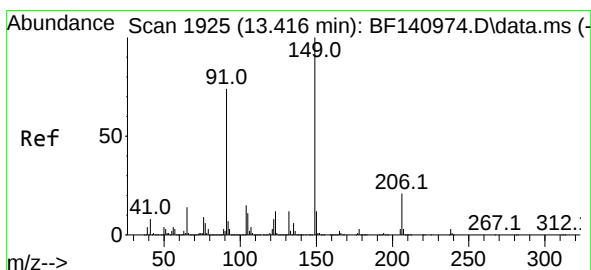
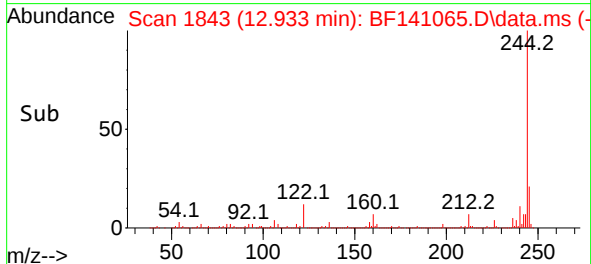
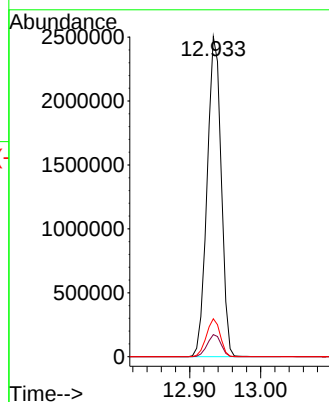
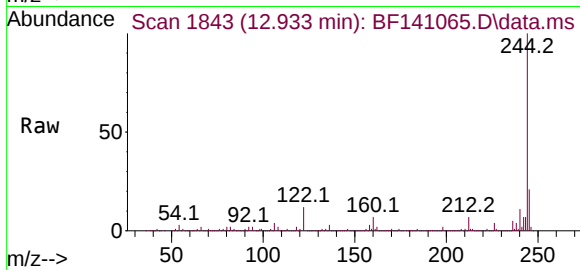
Tgt Ion:244 Resp: 3453233

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

122 11.8 10.2 15.2



#80

Butylbenzylphthalate

Concen: 51.771 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.006 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

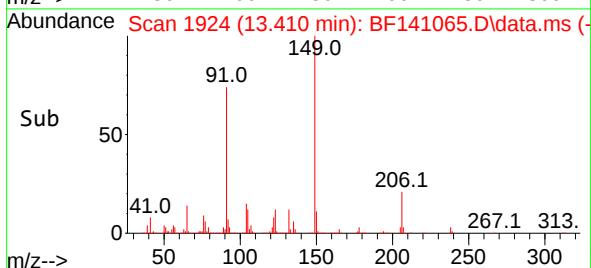
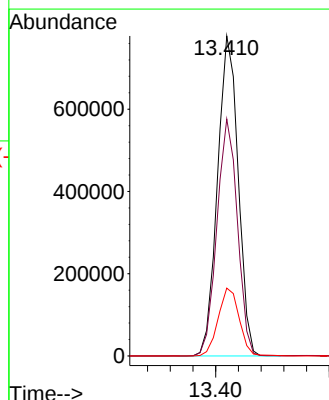
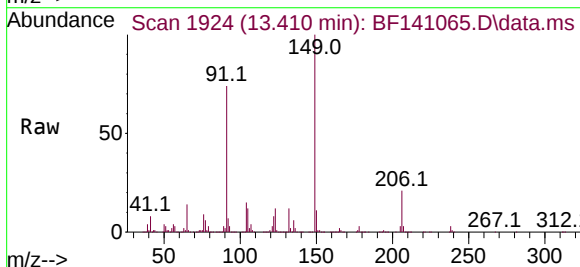
Tgt Ion:149 Resp: 983900

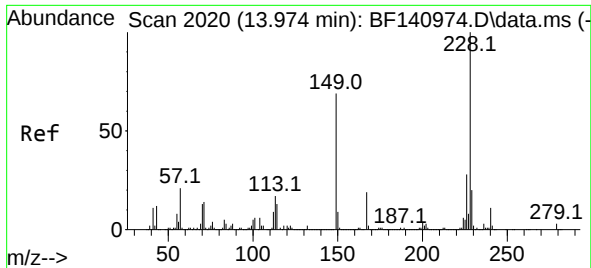
Ion Ratio Lower Upper

149 100

91 74.1 59.5 89.3

206 21.2 17.1 25.7

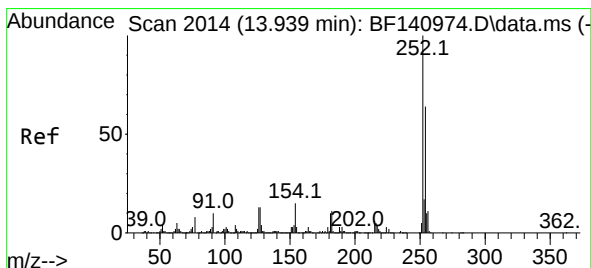
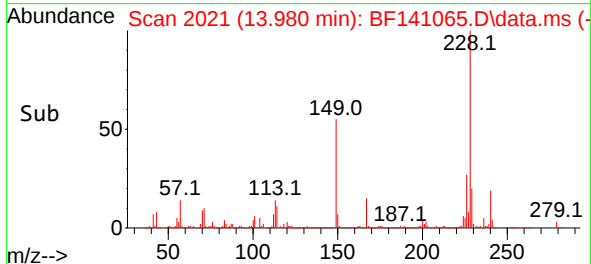
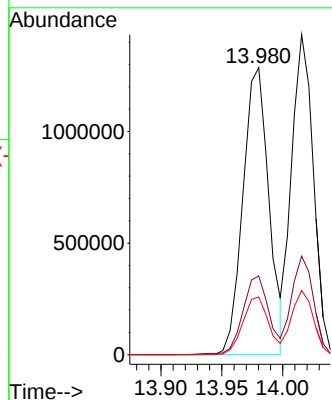
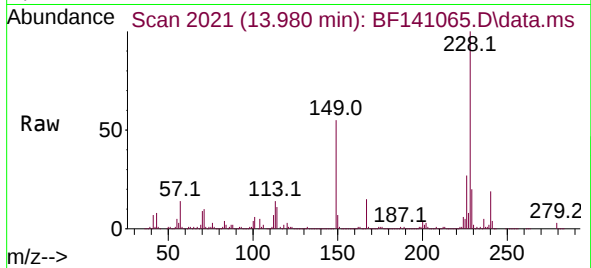




#81  
Benzo(a)anthracene  
Concen: 46.026 ng  
RT: 13.980 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

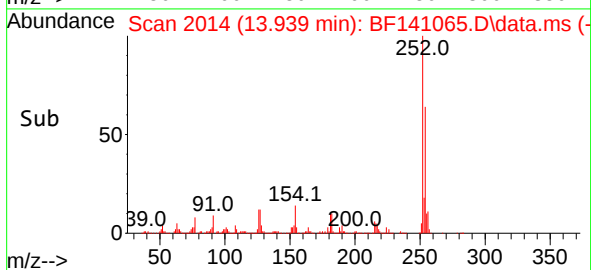
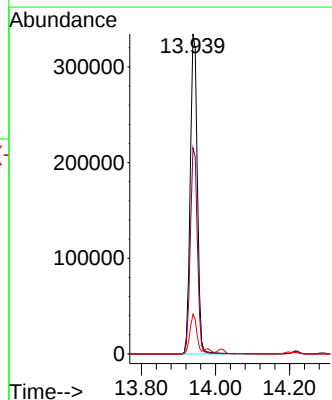
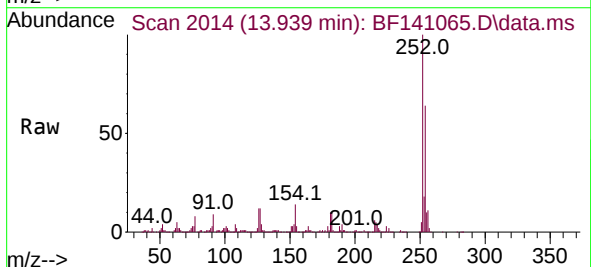
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

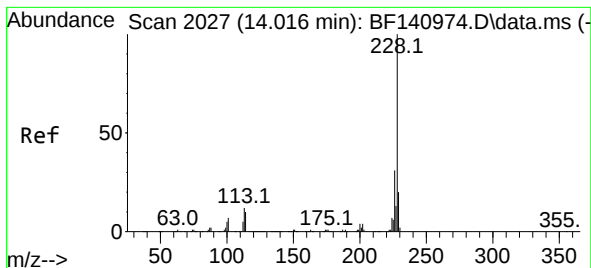
Tgt Ion:228 Resp: 1908968  
Ion Ratio Lower Upper  
228 100  
226 27.4 22.1 33.1  
229 20.1 16.2 24.2



#82  
3,3'-Dichlorobenzidine  
Concen: 35.727 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. -0.000 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:252 Resp: 445199  
Ion Ratio Lower Upper  
252 100  
254 64.4 51.5 77.3  
126 12.4 10.3 15.5





#83

Chrysene

Concen: 47.894 ng

RT: 14.016 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

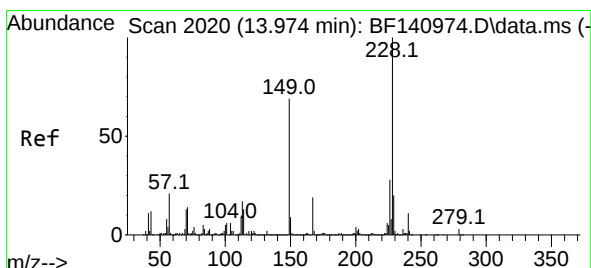
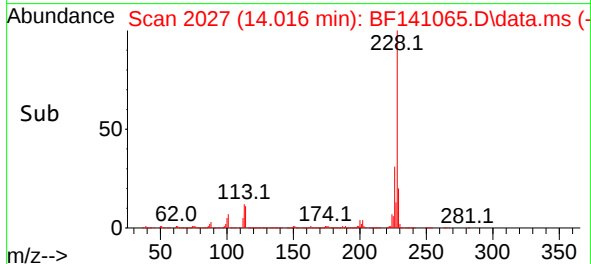
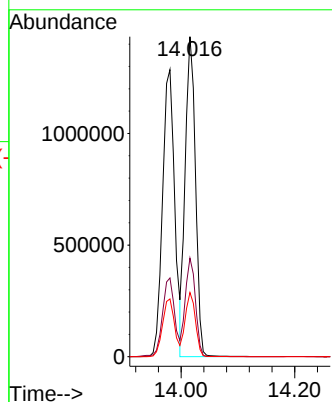
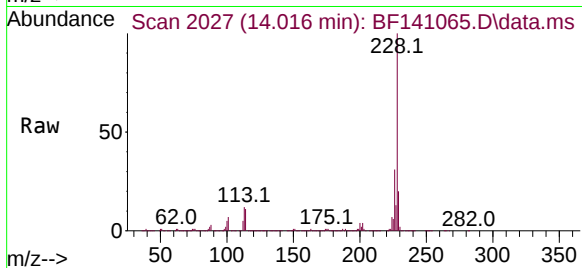
Tgt Ion:228 Resp: 1790682

Ion Ratio Lower Upper

228 100

226 30.8 24.5 36.7

229 20.1 16.2 24.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.010 ng

RT: 13.974 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

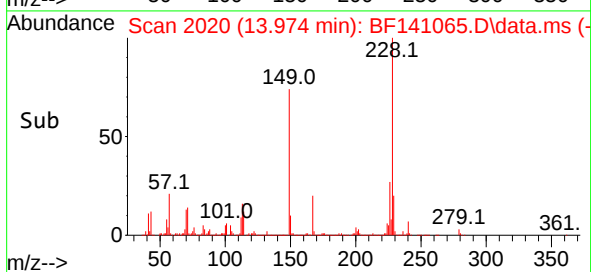
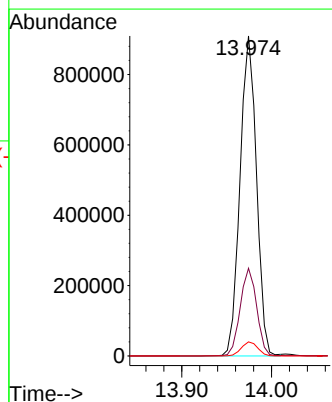
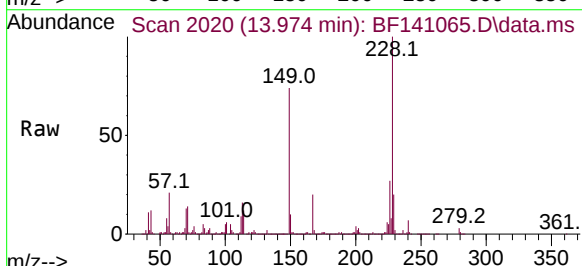
Tgt Ion:149 Resp: 1158907

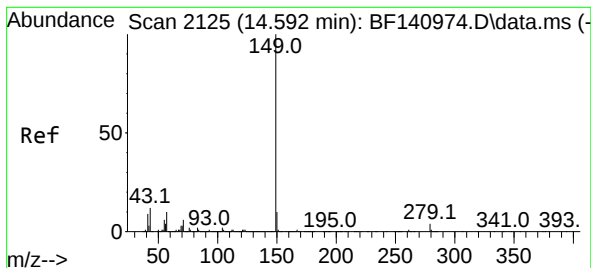
Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 50.676 ng

RT: 14.604 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

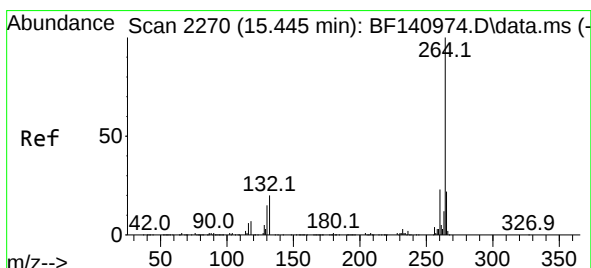
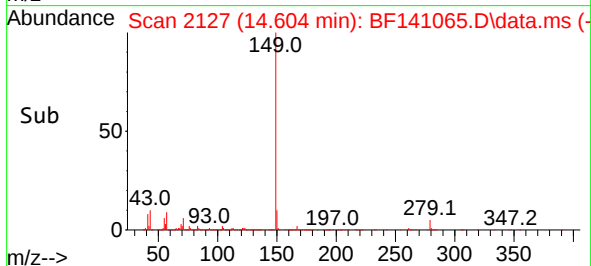
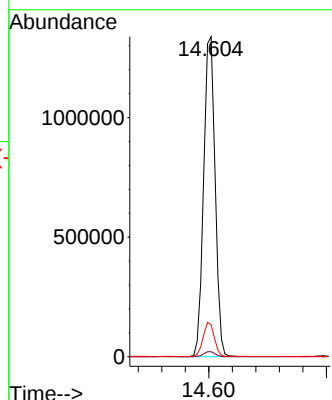
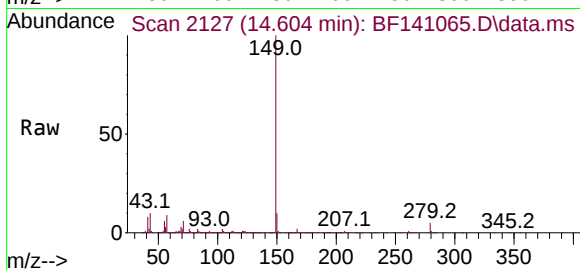
Tgt Ion:149 Resp: 1808132

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.4 9.3 13.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

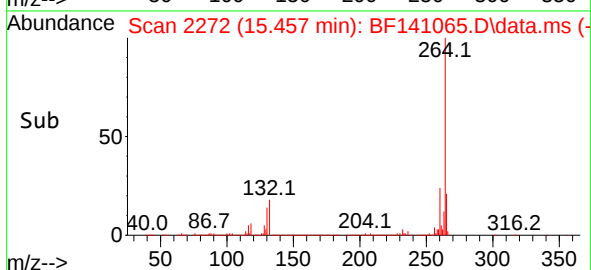
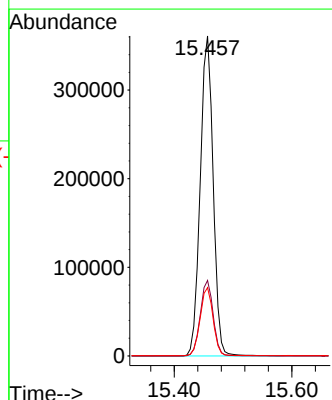
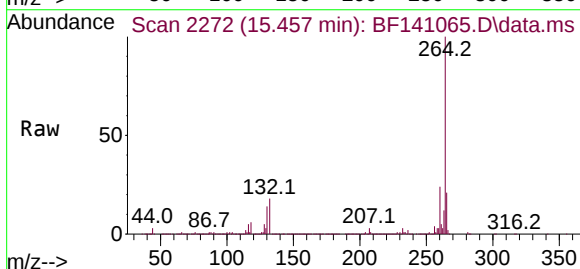
Tgt Ion:264 Resp: 551132

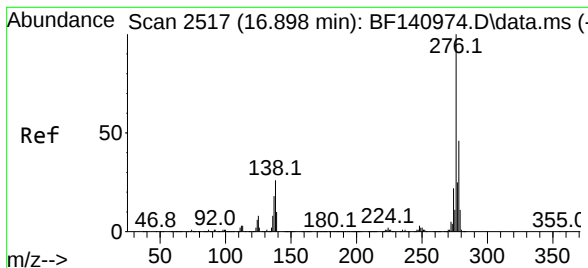
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.758 ng

RT: 16.915 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

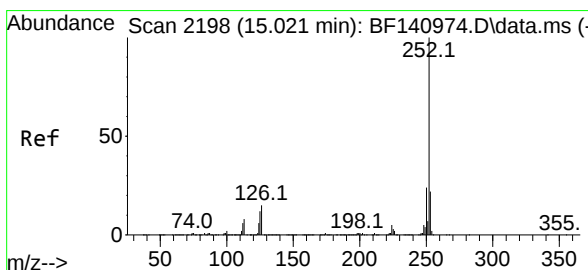
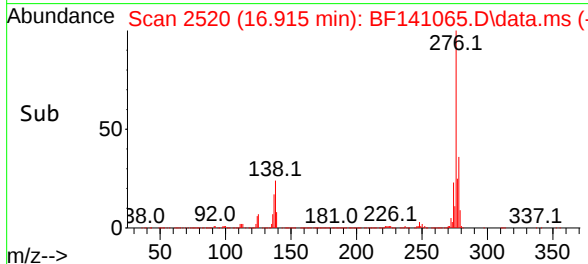
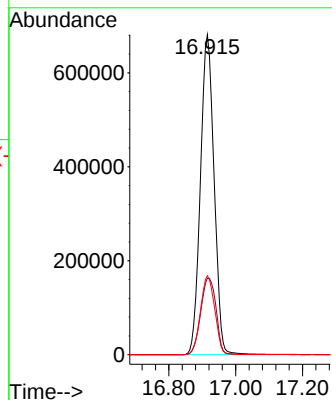
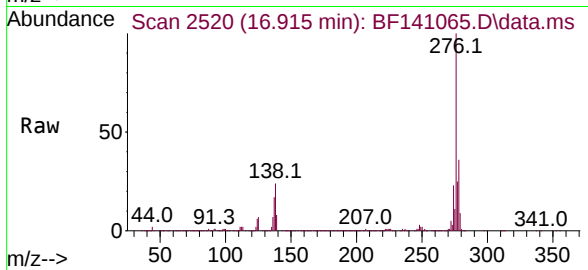
Tgt Ion:276 Resp: 1936057

Ion Ratio Lower Upper

276 100

138 26.8 23.1 34.7

277 25.8 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 48.792 ng

RT: 15.033 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

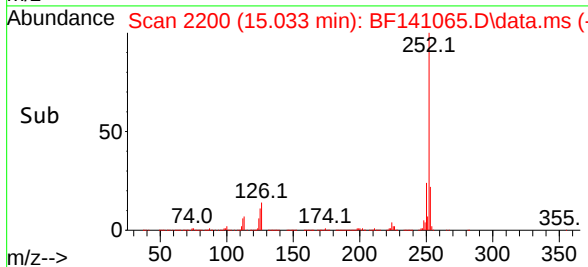
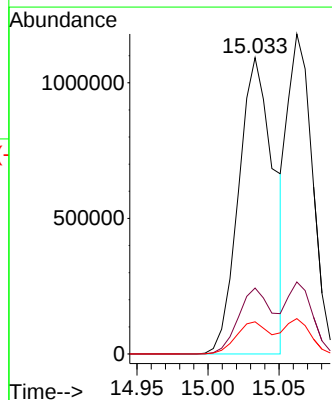
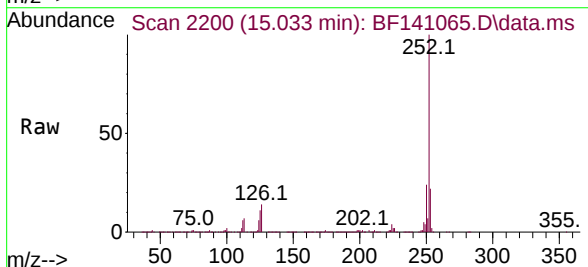
Tgt Ion:252 Resp: 1875492

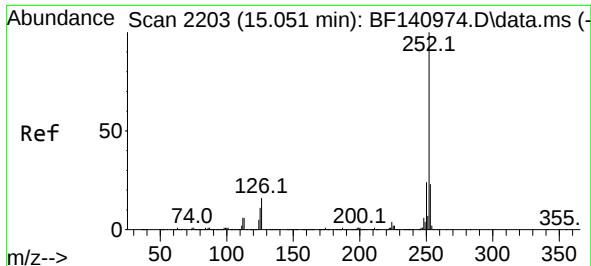
Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 10.8 9.3 13.9

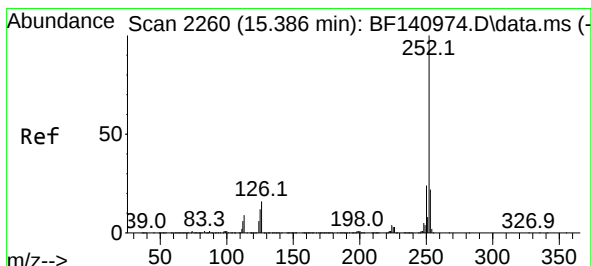
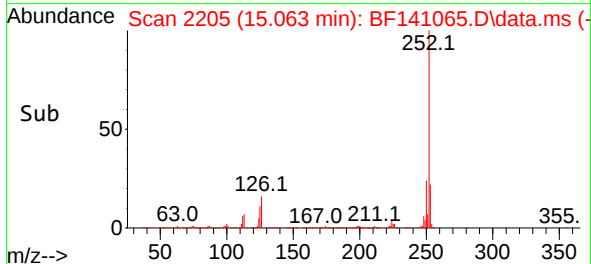
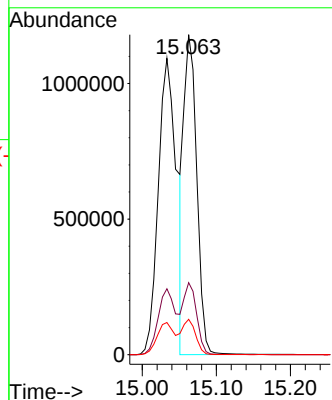
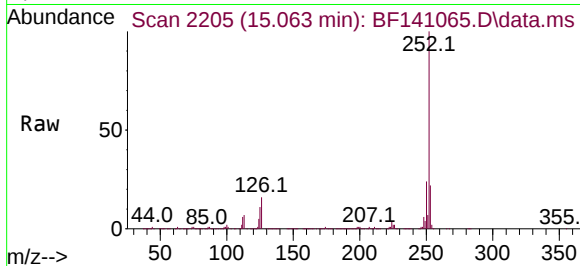




#89  
Benzo(k)fluoranthene  
Concen: 48.013 ng  
RT: 15.063 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

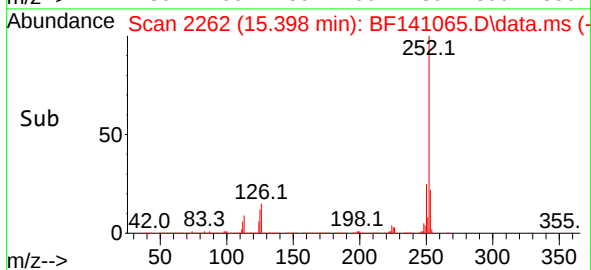
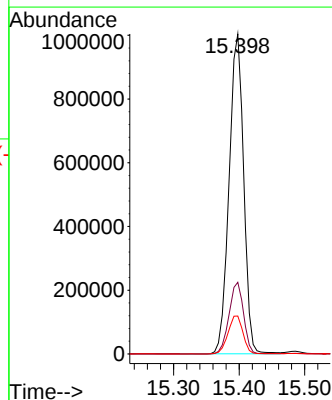
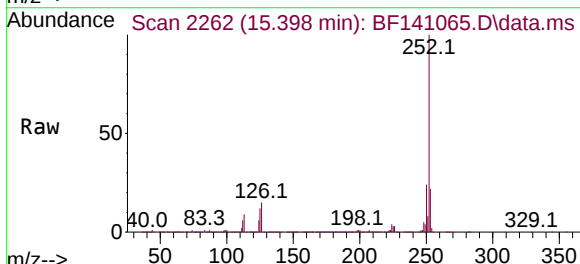
Instrument :  
BNA\_F  
ClientSampleId :  
PB165945BS

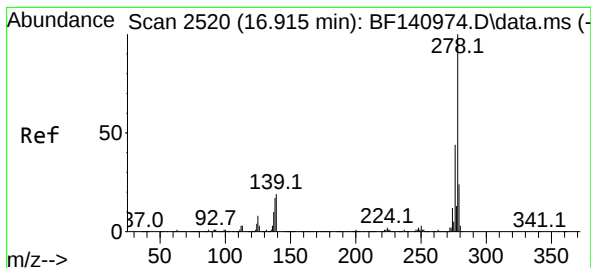
Tgt Ion:252 Resp: 1446451  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.8 26.8  
125 11.0 9.4 14.0



#90  
Benzo(a)pyrene  
Concen: 51.917 ng  
RT: 15.398 min Scan# 2262  
Delta R.T. 0.012 min  
Lab File: BF141065.D  
Acq: 03 Jan 2025 14:03

Tgt Ion:252 Resp: 1548930  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.2 25.8  
125 11.8 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 55.572 ng

RT: 16.939 min Scan# 2524

Delta R.T. 0.024 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Instrument :

BNA\_F

ClientSampleId :

PB165945BS

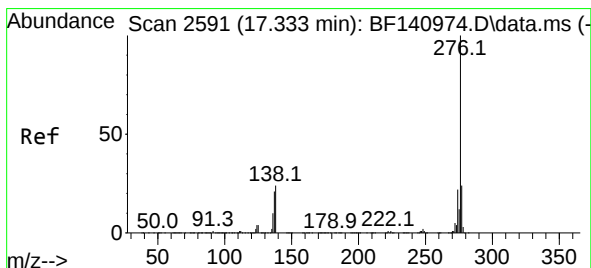
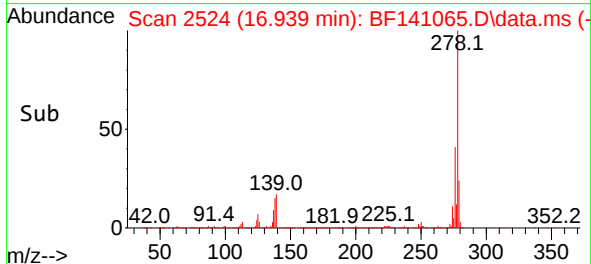
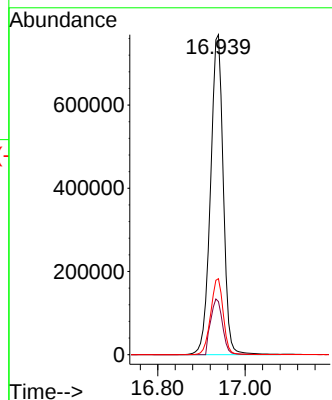
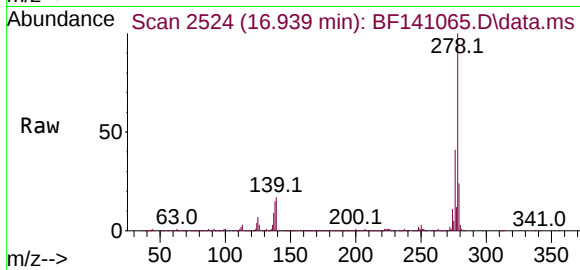
Tgt Ion:278 Resp: 1564146

Ion Ratio Lower Upper

278 100

139 16.6 14.9 22.3

279 23.7 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 50.458 ng

RT: 17.357 min Scan# 2595

Delta R.T. 0.024 min

Lab File: BF141065.D

Acq: 03 Jan 2025 14:03

Tgt Ion:276 Resp: 1473013

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 22.7 19.4 29.2

