

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102324\  
 Data File : BF139959.D  
 Acq On : 23 Oct 2024 12:39  
 Operator : RC/JU  
 Sample : PB164123BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164123BS

Quant Time: Oct 23 13:22:34 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                  | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------|--------|------|----------|--------|-------|----------|
| -----                     |        |      |          |        |       |          |
| Internal Standards        |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4 | 6.892  | 152  | 157015   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.175  | 136  | 616380   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.928  | 164  | 348472   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.416 | 188  | 625574   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.057 | 240  | 318250   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.533 | 264  | 349349   | 20.000 | ng    | 0.00     |

|                             |        |     |         |         |    |      |
|-----------------------------|--------|-----|---------|---------|----|------|
| System Monitoring Compounds |        |     |         |         |    |      |
| 5) 2-Fluorophenol           | 5.516  | 112 | 1314086 | 131.018 | ng | 0.02 |
| 7) Phenol-d6                | 6.516  | 99  | 1659988 | 127.788 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.451  | 82  | 1077187 | 96.858  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.722 | 330 | 515054  | 158.016 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.251  | 172 | 1931021 | 91.582  | ng | 0.00 |
| 79) Terphenyl-d14           | 13.004 | 244 | 2004549 | 102.635 | ng | 0.00 |

|                               |       |     |         |         |         |
|-------------------------------|-------|-----|---------|---------|---------|
| Target Compounds              |       |     |         |         | Qvalue  |
| 2) 1,4-Dioxane                | 2.763 | 88  | 175992  | 37.634  | ng 96   |
| 3) Pyridine                   | 3.516 | 79  | 471114  | 40.644  | ng 96   |
| 4) n-Nitrosodimethylamine     | 3.469 | 42  | 267760  | 42.995  | ng 95   |
| 6) Aniline                    | 6.551 | 93  | 557615  | 46.059  | ng 98   |
| 8) 2-Chlorophenol             | 6.675 | 128 | 511606  | 49.896  | ng 97   |
| 9) Benzaldehyde               | 6.440 | 77  | 126825  | 17.355  | ng 97   |
| 10) Phenol                    | 6.528 | 94  | 657450  | 49.092  | ng 98   |
| 11) bis(2-Chloroethyl)ether   | 6.628 | 93  | 485330  | 46.886  | ng 98   |
| 12) 1,3-Dichlorobenzene       | 6.834 | 146 | 537187  | 45.640  | ng 98   |
| 13) 1,4-Dichlorobenzene       | 6.910 | 146 | 546217  | 46.450  | ng 99   |
| 14) 1,2-Dichlorobenzene       | 7.063 | 146 | 524912  | 47.829  | ng 98   |
| 15) Benzyl Alcohol            | 7.028 | 79  | 471637  | 49.496  | ng 100  |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45  | 810592  | 45.925  | ng 97   |
| 17) 2-Methylphenol            | 7.140 | 107 | 431652  | 49.370  | ng 99   |
| 18) Hexachloroethane          | 7.404 | 117 | 195039  | 46.512  | ng 96   |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70  | 367544  | 46.651  | ng 96   |
| 20) 3+4-Methylphenols         | 7.292 | 107 | 518857  | 46.396  | ng # 81 |
| 22) Acetophenone              | 7.298 | 105 | 692884  | 45.895  | ng 99   |
| 24) Nitrobenzene              | 7.475 | 77  | 555417  | 45.551  | ng 98   |
| 25) Isophorone                | 7.710 | 82  | 1009777 | 47.838  | ng 99   |
| 26) 2-Nitrophenol             | 7.787 | 139 | 268407  | 58.350  | ng 95   |
| 27) 2,4-Dimethylphenol        | 7.822 | 122 | 428034  | 55.805  | ng 100  |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93  | 600864  | 46.984  | ng 100  |
| 29) 2,4-Dichlorophenol        | 8.028 | 162 | 425845  | 48.743  | ng 99   |
| 30) 1,2,4-Trichlorobenzene    | 8.110 | 180 | 442395  | 45.763  | ng 99   |
| 31) Naphthalene               | 8.192 | 128 | 1480485 | 46.572  | ng 100  |
| 32) Benzoic acid              | 7.934 | 122 | 331294  | 49.522  | ng 94   |
| 33) 4-Chloroaniline           | 8.239 | 127 | 279577  | 25.792  | ng 98   |
| 34) Hexachlorobutadiene       | 8.310 | 225 | 281463  | 46.339  | ng 99   |
| 35) Caprolactam               | 8.610 | 113 | 89766   | 32.314  | ng 90   |
| 36) 4-Chloro-3-methylphenol   | 8.716 | 107 | 471188  | 48.707  | ng 98   |
| 37) 2-Methylnaphthalene       | 8.886 | 142 | 934188  | 47.983  | ng 100  |
| 38) 1-Methylnaphthalene       | 8.986 | 142 | 875790  | 45.850  | ng 99   |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 441914  | 47.006  | ng 99   |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 575484  | 175.926 | ng 100  |
| 43) 2,4,6-Trichlorophenol     | 9.163 | 196 | 338719  | 50.889  | ng 99   |

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 Sample : PB164123BS  
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Instrument :  
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 PB164123BS

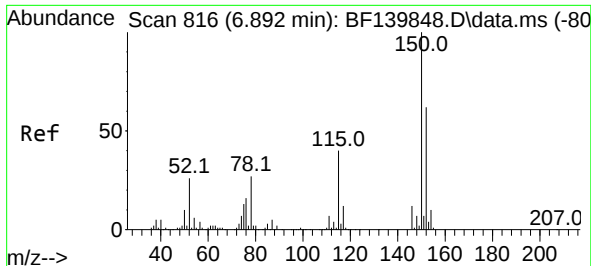
Quant Time: Oct 23 13:22:34 2024  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 15:07:50 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 339933   | 49.501  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1126703  | 46.445  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 901688   | 46.150  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 316703   | 52.999  | ng    | 93       |
| 49) Acenaphthylene            | 9.792  | 152  | 1409992  | 49.917  | ng    | 99       |
| 50) Dimethylphthalate         | 9.651  | 163  | 1070887  | 49.337  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 240598   | 51.194  | ng    | 97       |
| 52) Acenaphthene              | 9.963  | 154  | 980931   | 53.683  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.881  | 138  | 165720   | 34.194  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 264001   | 130.698 | ng    | # 1      |
| 55) Dibenzofuran              | 10.139 | 168  | 1240679  | 47.324  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 396279   | 106.278 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 329266   | 56.973  | ng    | 96       |
| 58) Fluorene                  | 10.480 | 166  | 935732   | 46.861  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 289740   | 53.821  | ng    | 96       |
| 60) Diethylphthalate          | 10.351 | 149  | 1041864  | 48.887  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 475776   | 47.181  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.498 | 138  | 243551   | 53.208  | ng    | 94       |
| 63) Azobenzene                | 10.633 | 77   | 1058273  | 46.839  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.522 | 198  | 178099   | 69.796  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.592 | 169  | 894297   | 47.764  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 313776   | 48.688  | ng    | 94       |
| 68) Hexachlorobenzene         | 11.028 | 284  | 354277   | 48.879  | ng    | 95       |
| 69) Atrazine                  | 11.116 | 200  | 291198   | 57.414  | ng    | 99       |
| 70) Pentachlorophenol         | 11.216 | 266  | 442639   | 100.626 | ng    | 100      |
| 71) Phenanthrene              | 11.445 | 178  | 1412519  | 47.802  | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1430590  | 49.620  | ng    | 99       |
| 73) Carbazole                 | 11.645 | 167  | 1254503  | 46.786  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.975 | 149  | 1506787  | 48.640  | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1394053  | 46.667  | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 329626   | 62.989  | ng    | 99       |
| 78) Pyrene                    | 12.857 | 202  | 1391086  | 49.936  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 451349   | 54.043  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 1042409  | 50.317  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 240244   | 39.773  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 963784   | 50.739  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 532526   | 56.832  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.645 | 149  | 950001   | 55.741  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.033 | 276  | 1244594  | 55.378  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.098 | 252  | 1062781  | 49.941  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 864638   | 47.112  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 941642   | 53.776  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.057 | 278  | 1028811  | 54.874  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 954801   | 50.984  | ng    | 99       |

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

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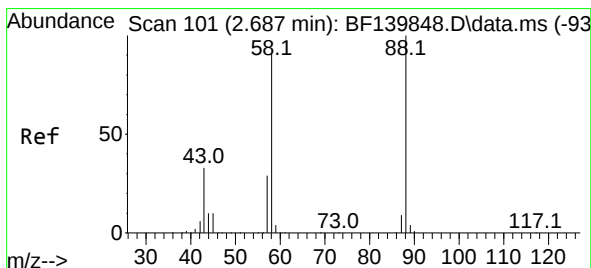
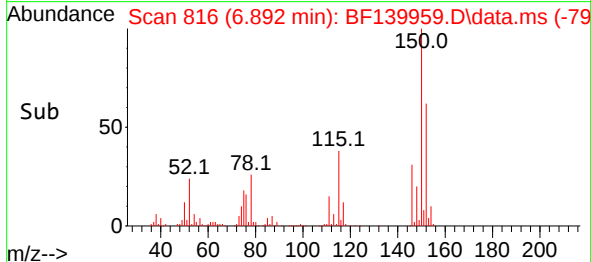
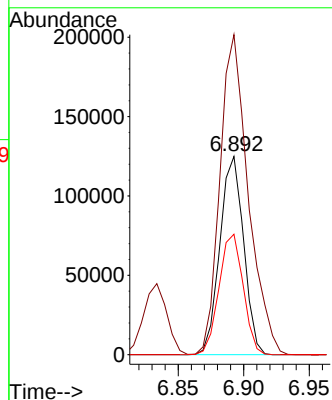
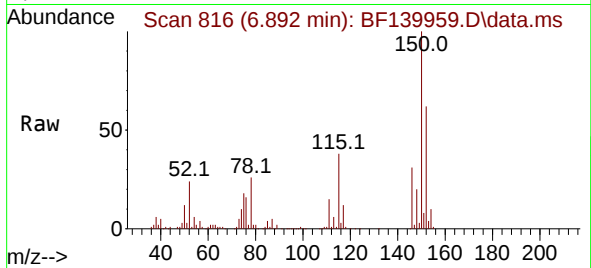




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

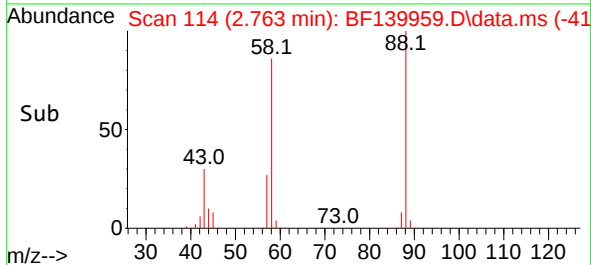
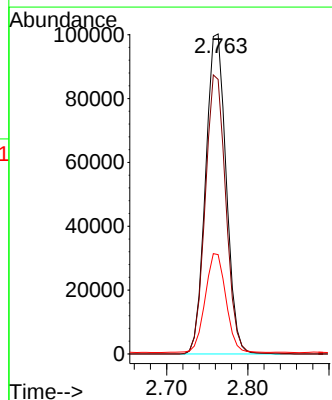
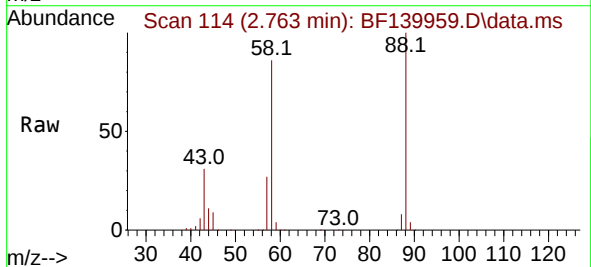
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

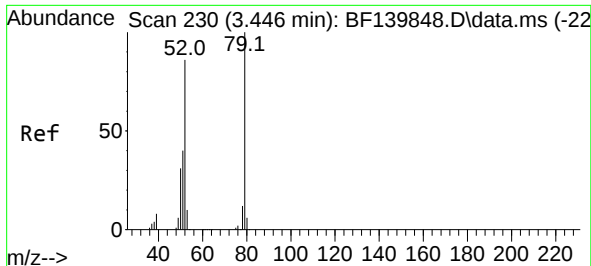
Tgt Ion:152 Resp: 157015  
Ion Ratio Lower Upper  
152 100  
150 161.4 130.2 195.2  
115 60.8 51.4 77.2



#2  
1,4-Dioxane  
Concen: 37.634 ng  
RT: 2.763 min Scan# 114  
Delta R.T. 0.077 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 88 Resp: 175992  
Ion Ratio Lower Upper  
88 100  
58 87.5 73.3 109.9  
43 31.3 27.1 40.7





#3

Pyridine

Concen: 40.644 ng

RT: 3.516 min Scan# 24

Delta R.T. 0.071 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

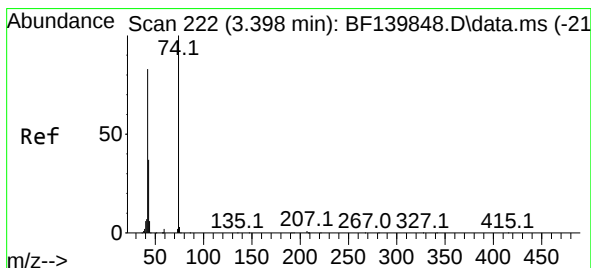
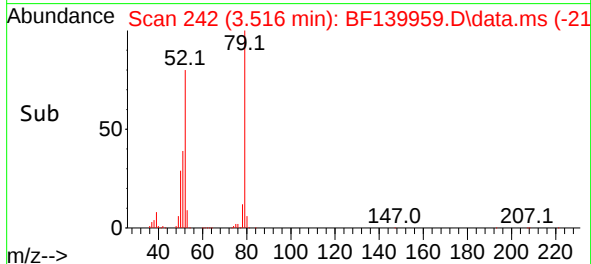
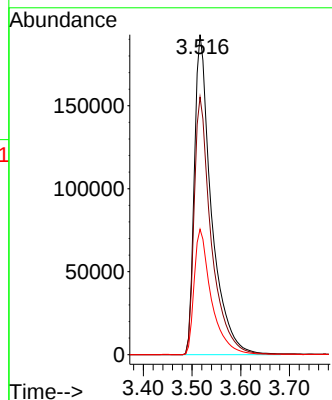
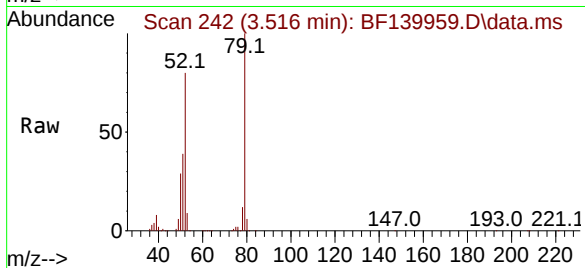
Tgt Ion: 79 Resp: 471114

Ion Ratio Lower Upper

79 100

52 80.5 68.5 102.7

51 39.2 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 42.995 ng

RT: 3.469 min Scan# 234

Delta R.T. 0.071 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

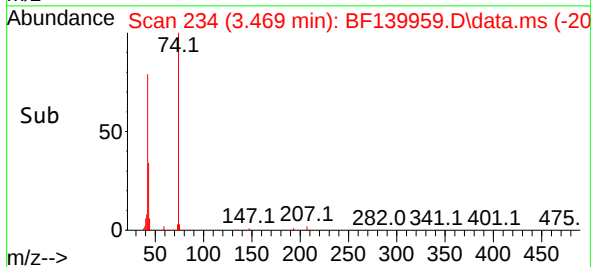
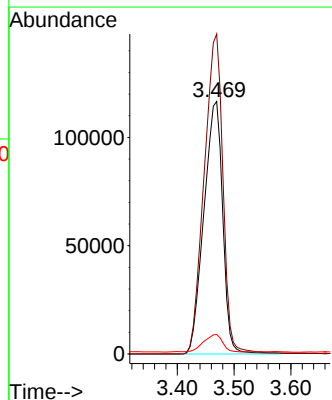
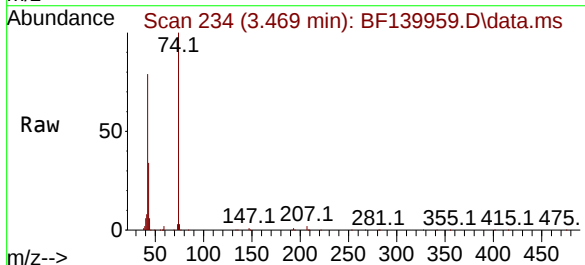
Tgt Ion: 42 Resp: 267760

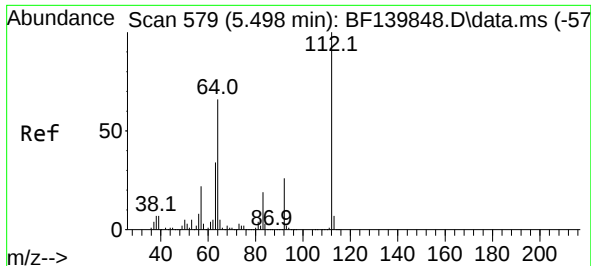
Ion Ratio Lower Upper

42 100

74 126.8 96.2 144.4

44 7.7 6.2 9.2

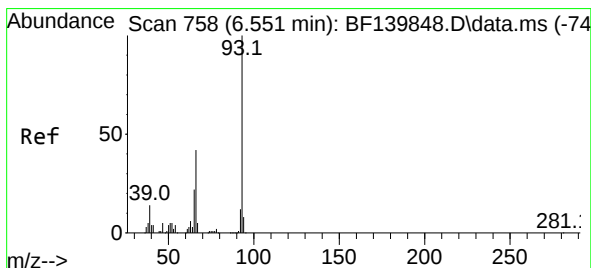
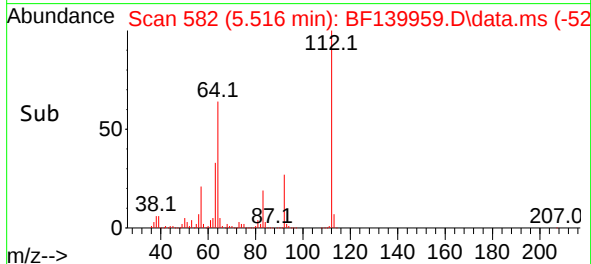
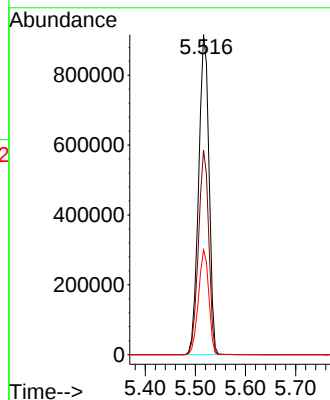
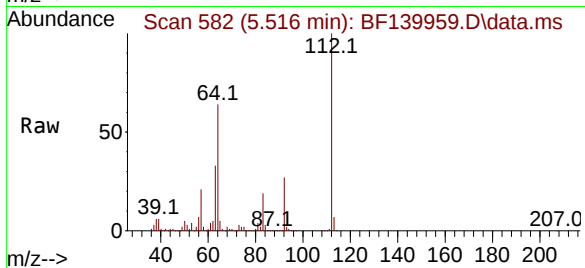




#5  
2-Fluorophenol  
Concen: 131.018 ng  
RT: 5.516 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

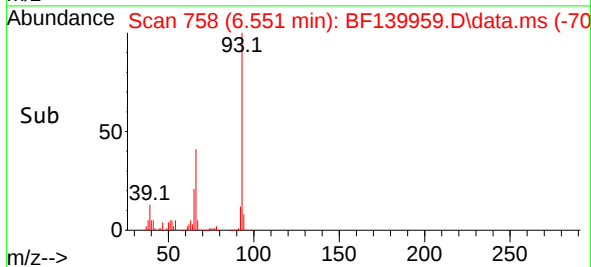
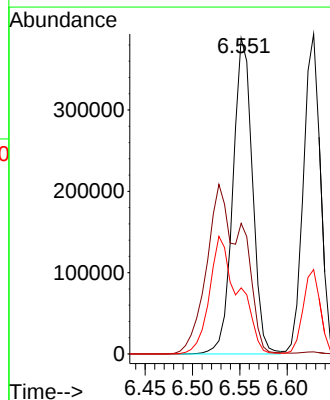
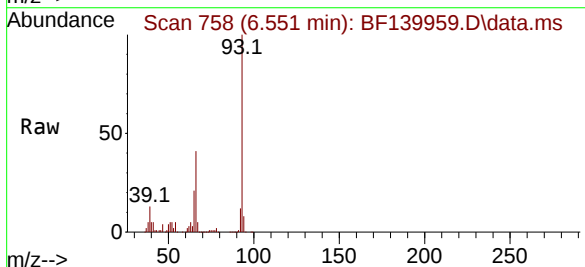
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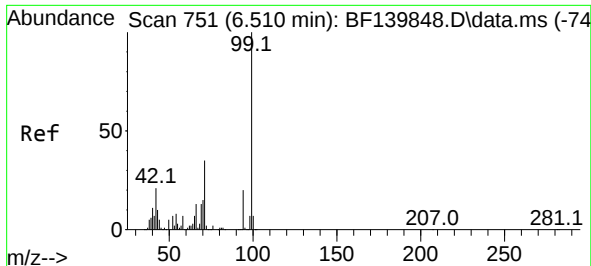
Tgt Ion:112 Resp: 1314086  
Ion Ratio Lower Upper  
112 100  
64 63.9 53.0 79.6  
63 32.8 27.0 40.4



#6  
Aniline  
Concen: 46.059 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 93 Resp: 557615  
Ion Ratio Lower Upper  
93 100  
66 41.3 34.0 51.0  
65 20.9 17.4 26.0

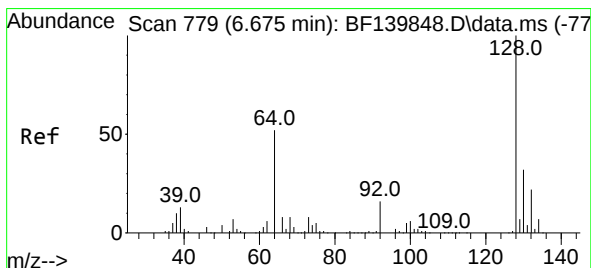
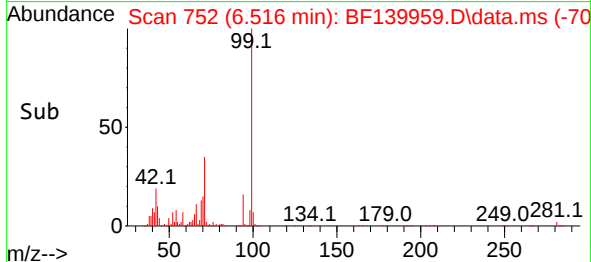
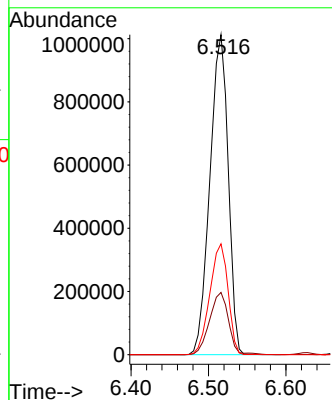
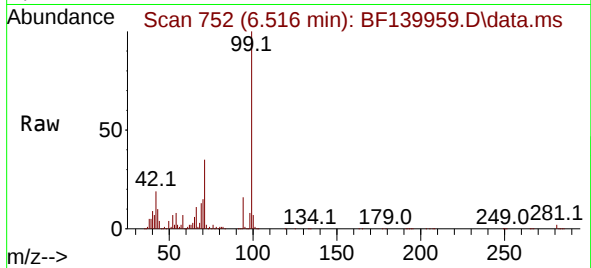




#7  
Phenol-d6  
Concen: 127.788 ng  
RT: 6.516 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

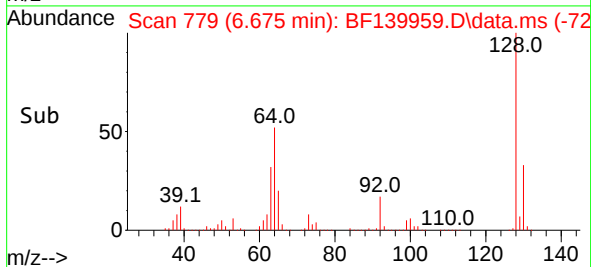
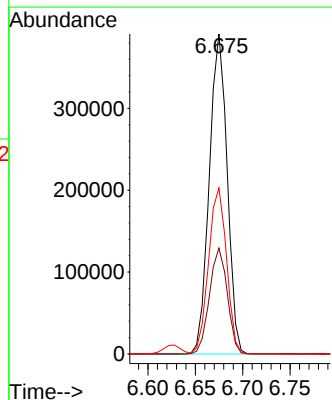
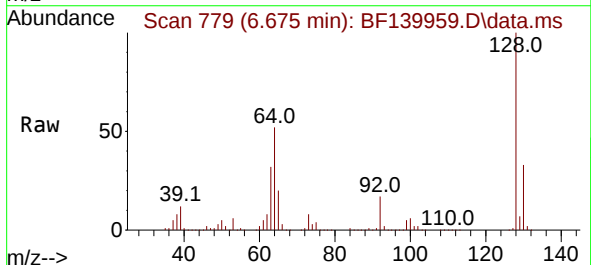
Instrument :  
BNA\_F  
ClientSampleId :  
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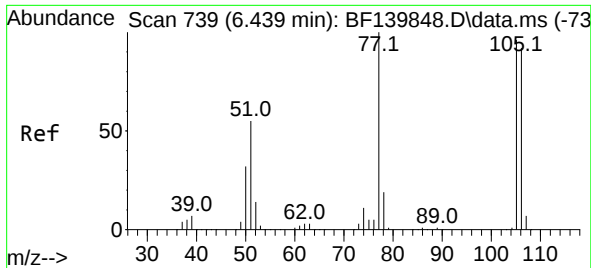
Tgt Ion: 99 Resp: 1659988  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.7 25.1  
71 34.6 27.7 41.5



#8  
2-Chlorophenol  
Concen: 49.896 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 128 Resp: 511606  
Ion Ratio Lower Upper  
128 100  
130 33.1 12.3 52.3  
64 51.9 34.6 74.6





#9

Benzaldehyde

Concen: 17.355 ng

RT: 6.440 min Scan# 71

Delta R.T. 0.001 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

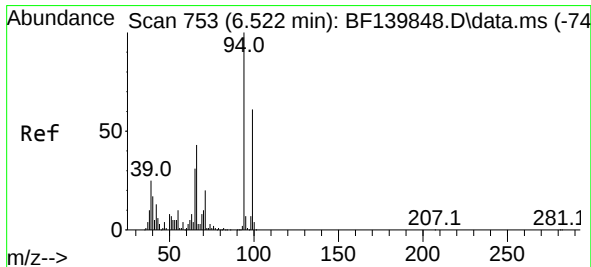
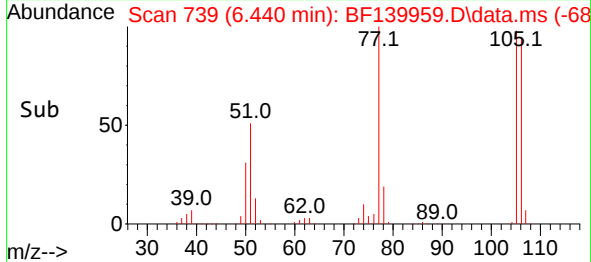
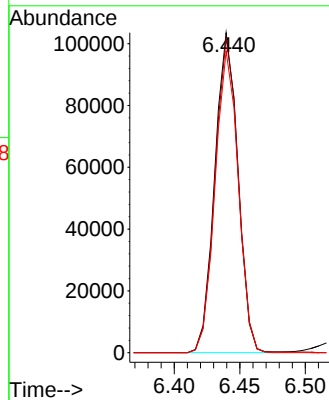
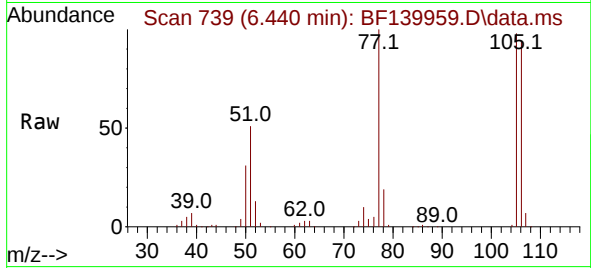
Tgt Ion: 77 Resp: 126825

Ion Ratio Lower Upper

77 100

105 98.4 75.5 115.5

106 94.2 71.7 111.7



#10

Phenol

Concen: 49.092 ng

RT: 6.528 min Scan# 754

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

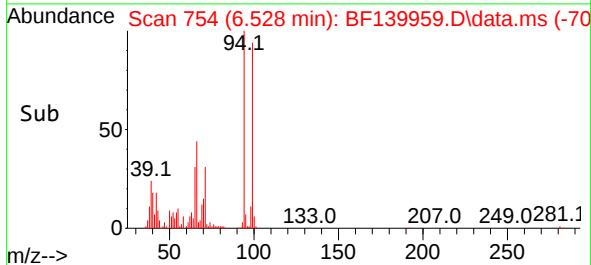
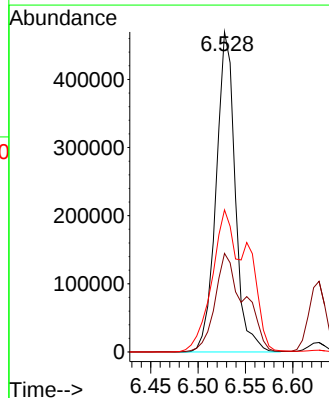
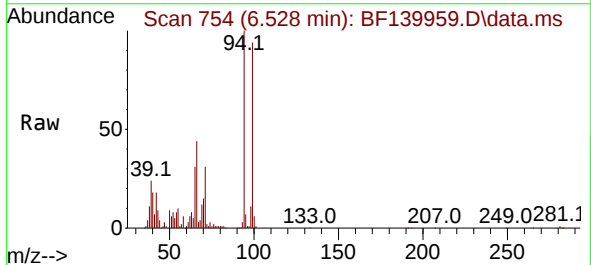
Tgt Ion: 94 Resp: 657450

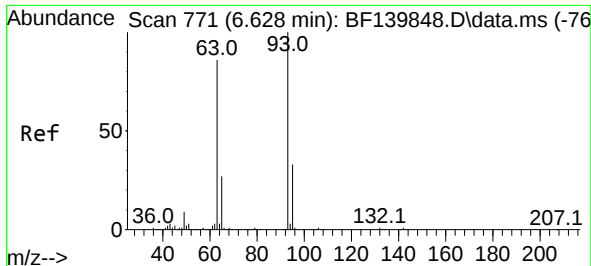
Ion Ratio Lower Upper

94 100

65 30.8 11.1 51.1

66 44.4 22.7 62.7

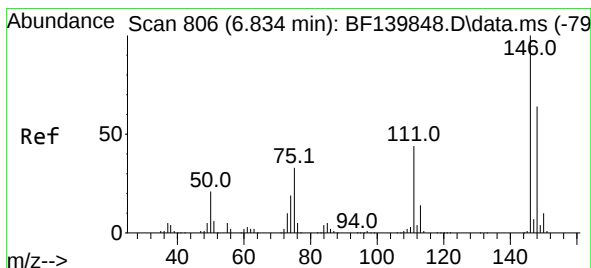
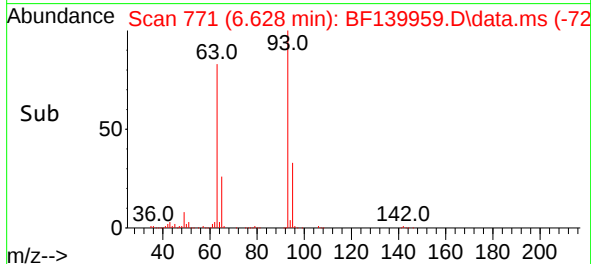
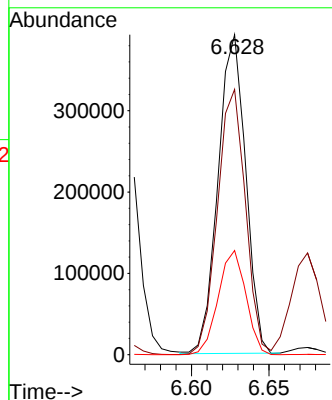
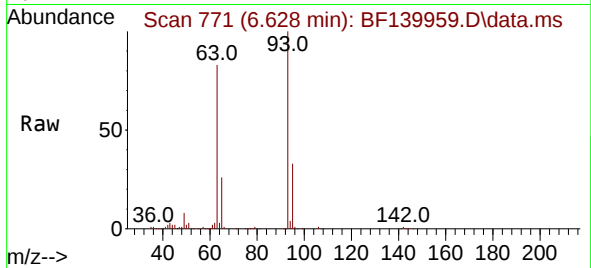




#11  
bis(2-Chloroethyl)ether  
Concen: 46.886 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

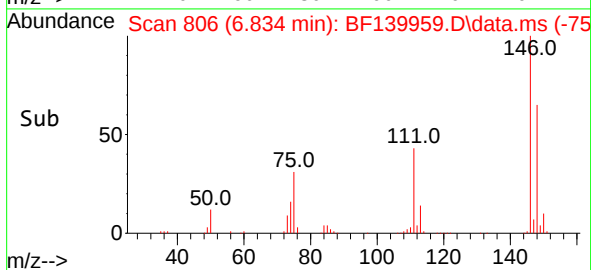
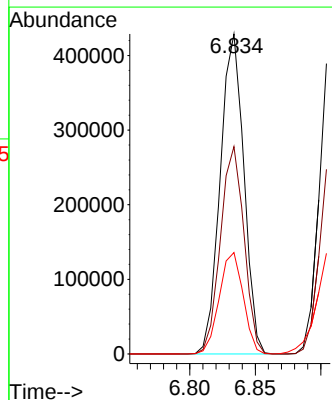
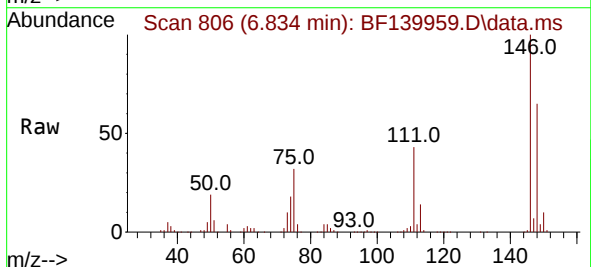
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

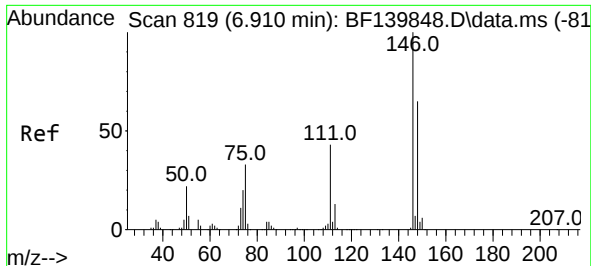
Tgt Ion: 93 Resp: 485330  
Ion Ratio Lower Upper  
93 100  
63 82.9 65.0 105.0  
95 32.5 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 45.640 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:146 Resp: 537187  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.0 76.4  
75 31.7 26.4 39.6

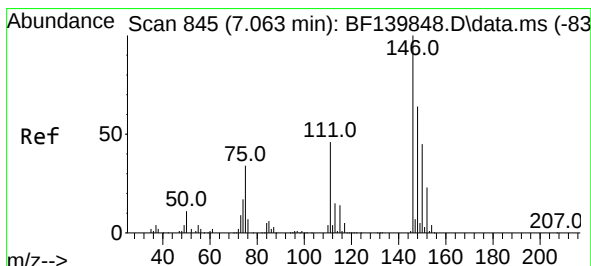
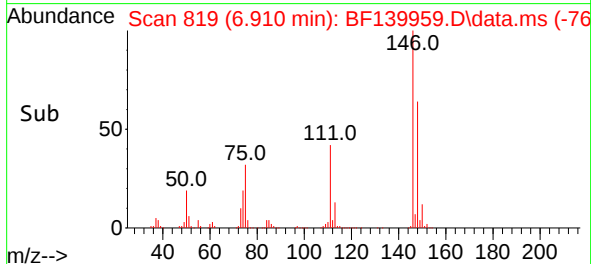
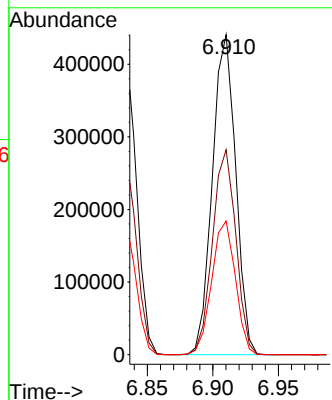
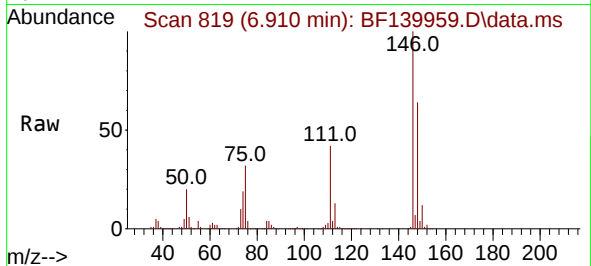




#13  
1,4-Dichlorobenzene  
Concen: 46.450 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

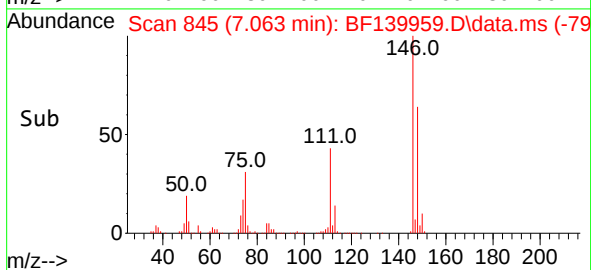
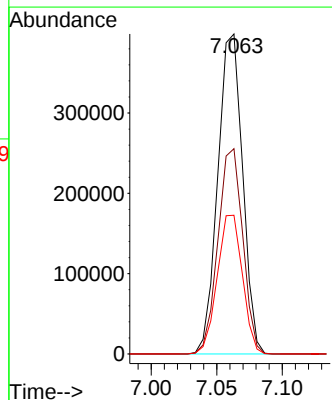
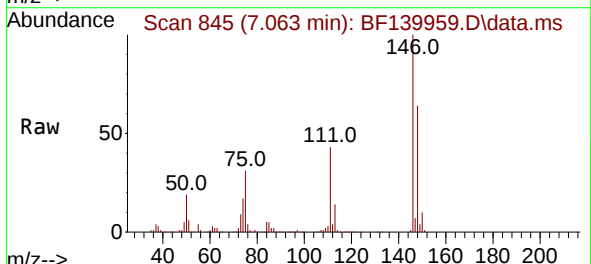
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

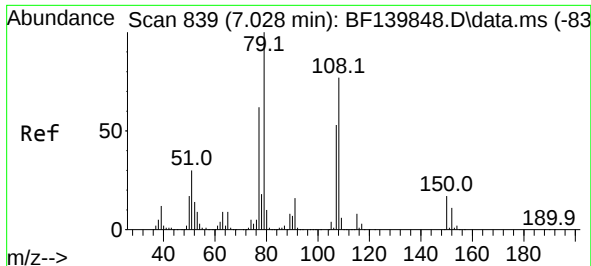
Tgt Ion:146 Resp: 546217  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.8 77.8  
111 41.7 34.6 51.8



#14  
1,2-Dichlorobenzene  
Concen: 47.829 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:146 Resp: 524912  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.4 77.2  
111 43.4 36.7 55.1

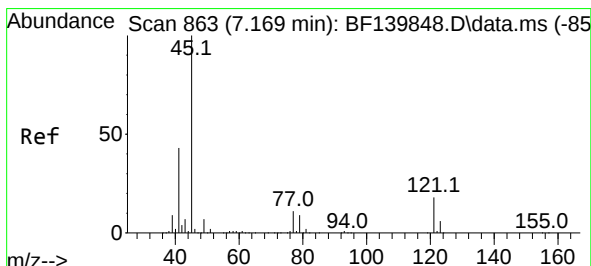
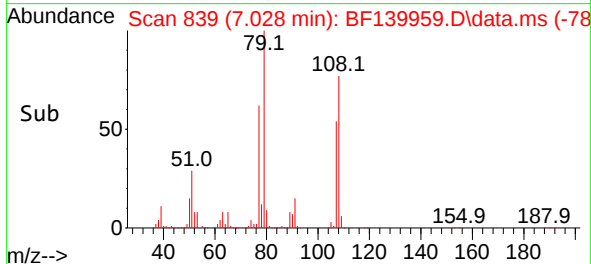
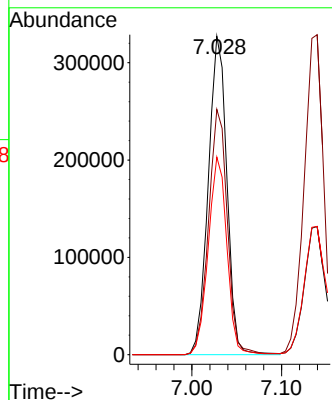
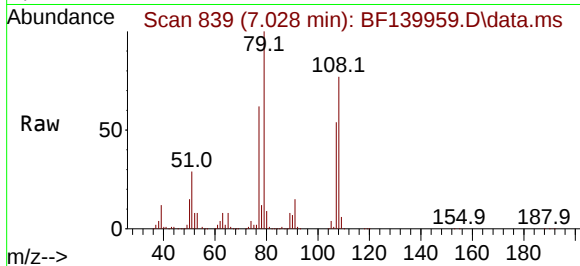




#15  
Benzyl Alcohol  
Concen: 49.496 ng  
RT: 7.028 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

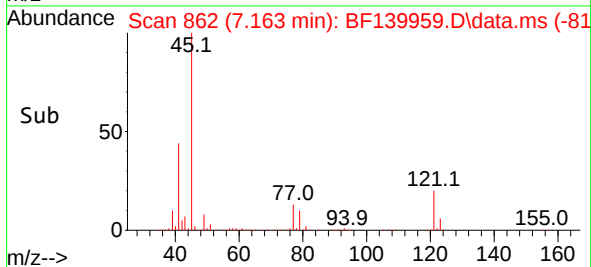
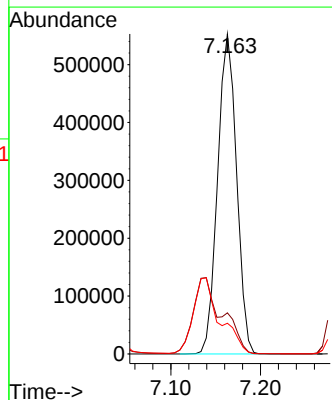
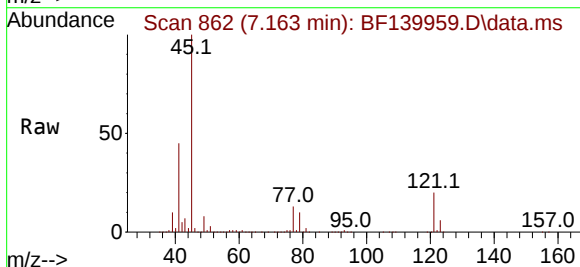
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

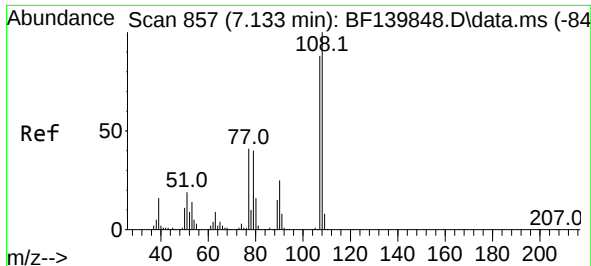
Tgt Ion: 79 Resp: 471637  
Ion Ratio Lower Upper  
79 100  
108 77.0 61.4 92.0  
77 62.1 49.9 74.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 45.925 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 45 Resp: 810592  
Ion Ratio Lower Upper  
45 100  
77 12.9 0.0 31.5  
79 9.6 0.0 29.1

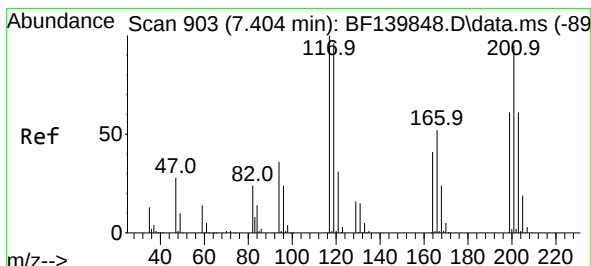
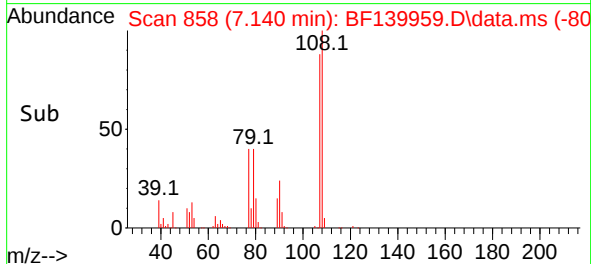
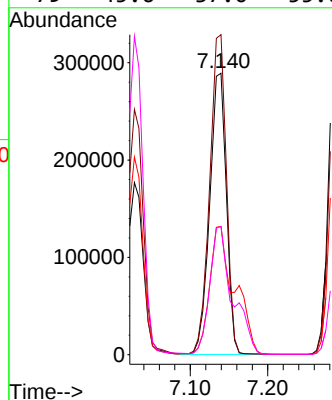
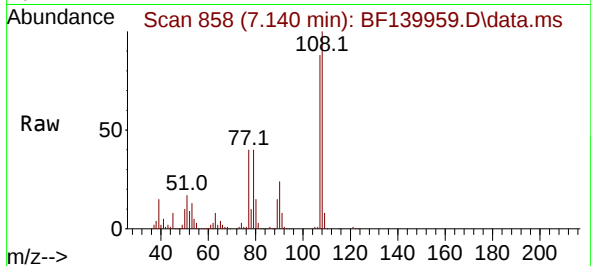




#17  
2-Methylphenol  
Concen: 49.370 ng  
RT: 7.140 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

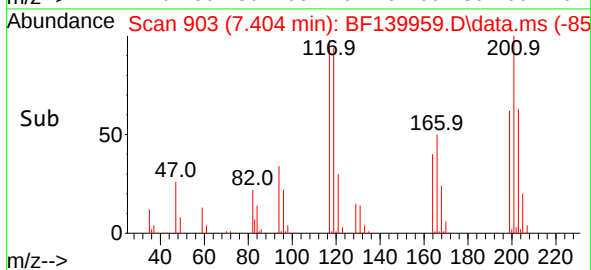
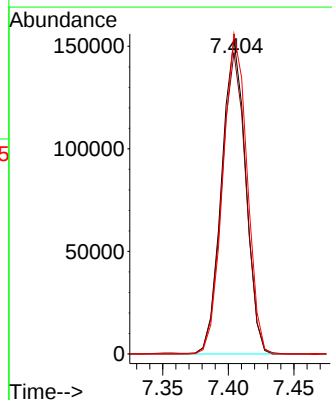
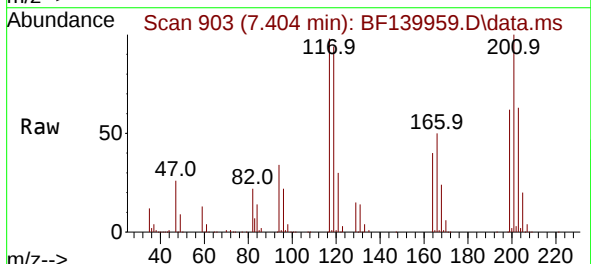
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

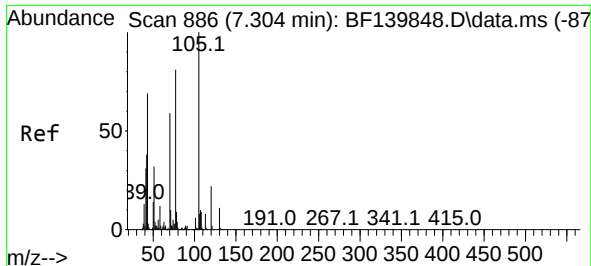
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 431652 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.7 | 91.3  | 136.9  |
| 77       | 45.6  | 37.1  | 55.7   |
| 79       | 45.6  | 37.0  | 55.6   |



#18  
Hexachloroethane  
Concen: 46.512 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 195039 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.8  | 77.0  | 115.4  |
| 201      | 101.8 | 76.2  | 114.4  |



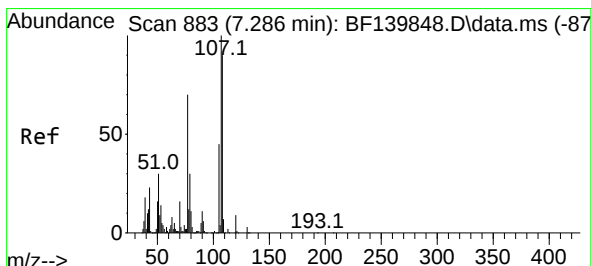
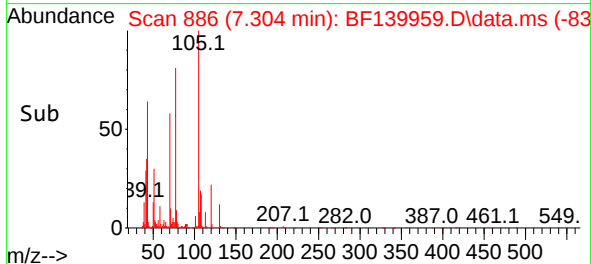
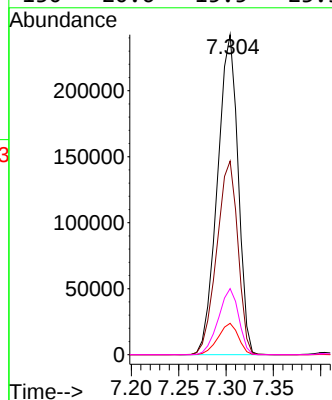
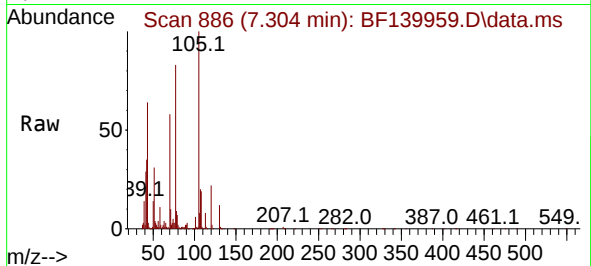


#19  
n-Nitroso-di-n-propylamine  
Concen: 46.651 ng  
RT: 7.304 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

Tgt Ion: 70 Resp: 367544

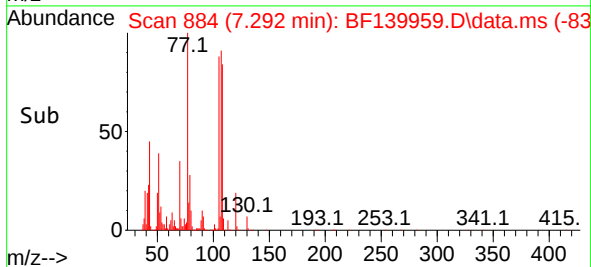
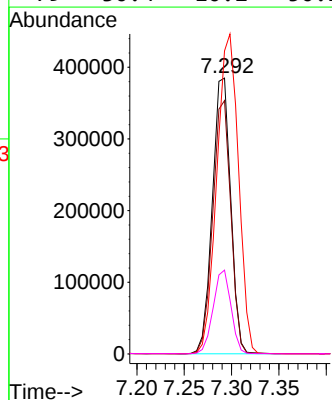
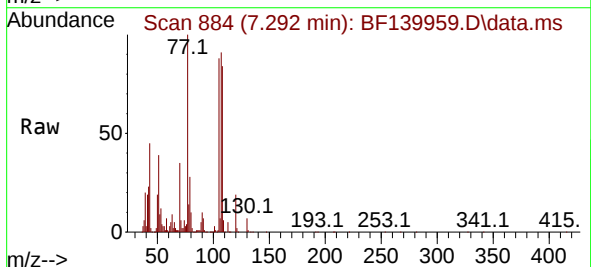
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 60.5  | 51.5  | 77.3  |
| 101 | 9.8   | 7.5   | 11.3  |
| 130 | 20.6  | 15.5  | 23.3  |

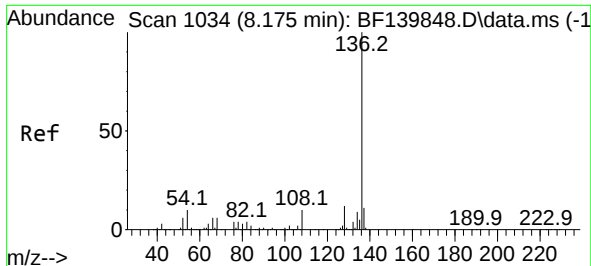


#20  
3+4-Methylphenols  
Concen: 46.396 ng  
RT: 7.292 min Scan# 884  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 107 Resp: 518857

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 91.9  | 69.8  | 109.8 |
| 77  | 109.8 | 50.5  | 90.5# |
| 79  | 30.4  | 10.2  | 50.2  |



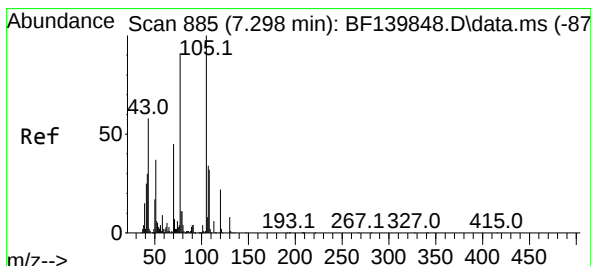
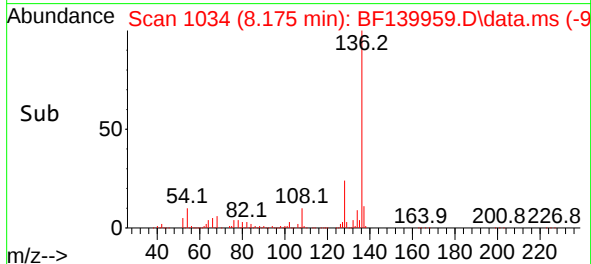
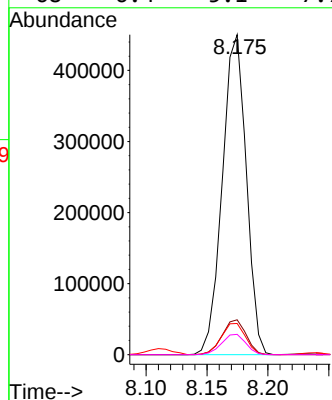
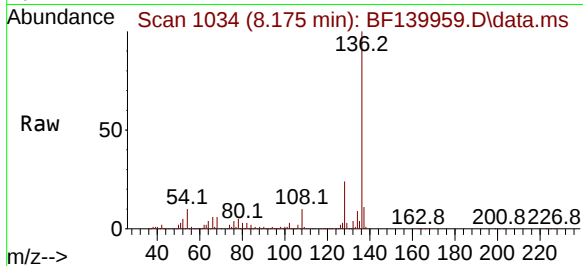


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

Tgt Ion:136 Resp: 616380

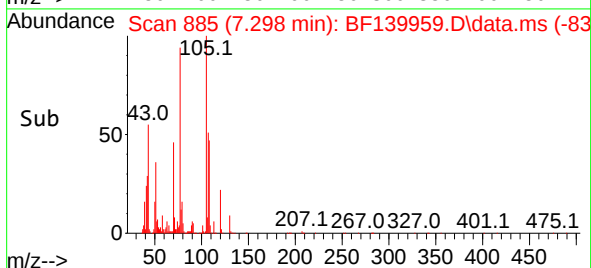
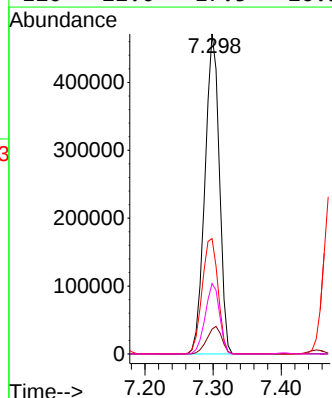
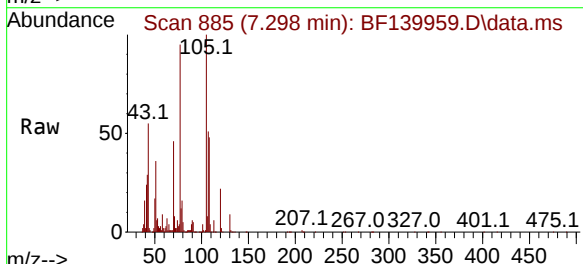
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.6   | 12.8  |
| 54  | 9.7   | 8.4   | 12.6  |
| 68  | 6.4   | 5.1   | 7.7   |

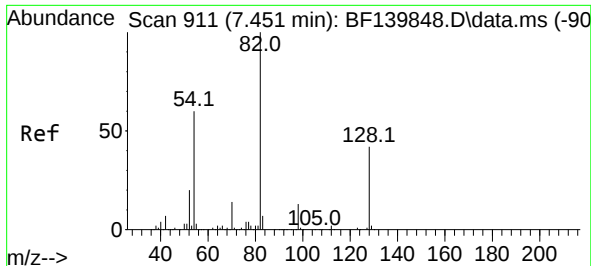


#22  
Acetophenone  
Concen: 45.895 ng  
RT: 7.298 min Scan# 885  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:105 Resp: 692884

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 7.8   | 5.9   | 8.9   |
| 51  | 36.1  | 29.4  | 44.2  |
| 120 | 22.0  | 17.5  | 26.3  |





#23

Nitrobenzene-d5

Concen: 96.858 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

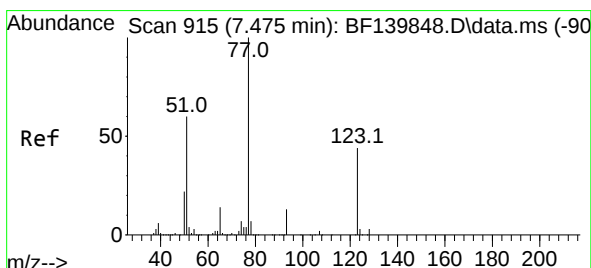
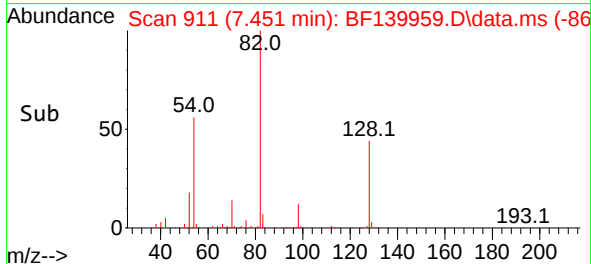
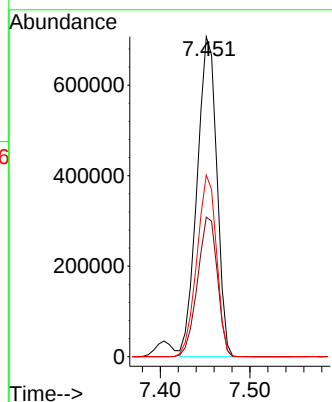
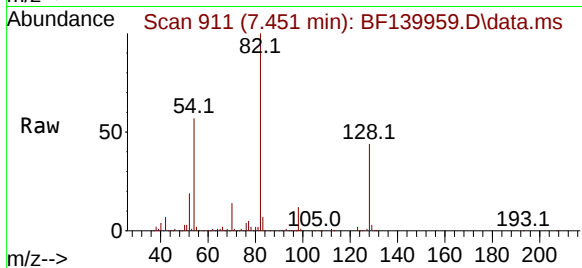
BNA\_F

ClientSampleId :

PB164123BS

Tgt Ion: 82 Resp: 1077187

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.6  | 33.4  | 50.0  |
| 54  | 56.7  | 47.8  | 71.8  |



#24

Nitrobenzene

Concen: 45.551 ng

RT: 7.475 min Scan# 915

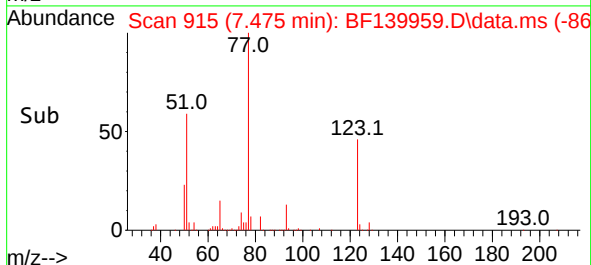
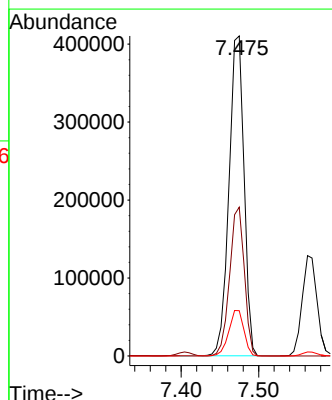
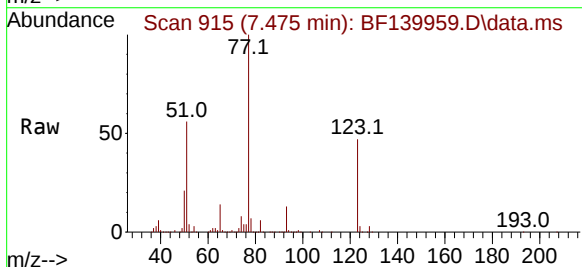
Delta R.T. 0.000 min

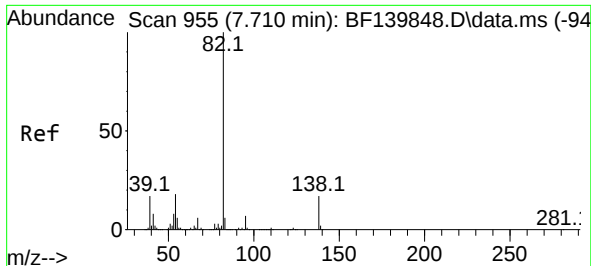
Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Tgt Ion: 77 Resp: 555417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 46.5  | 35.7  | 53.5  |
| 65  | 14.2  | 11.5  | 17.3  |

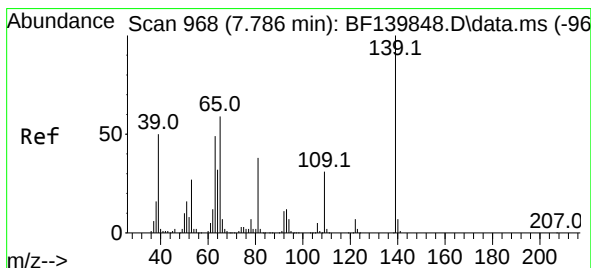
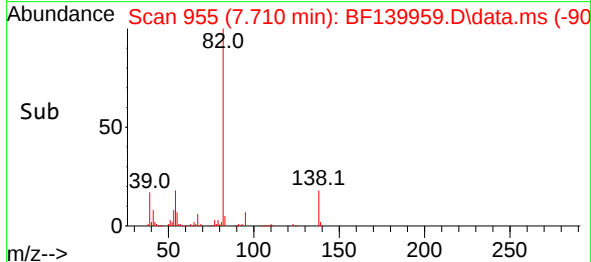
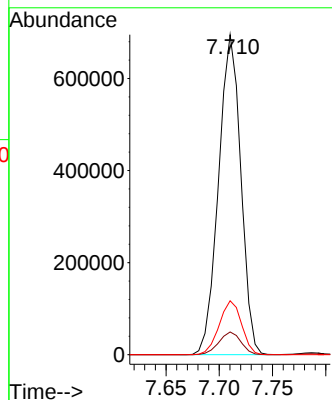
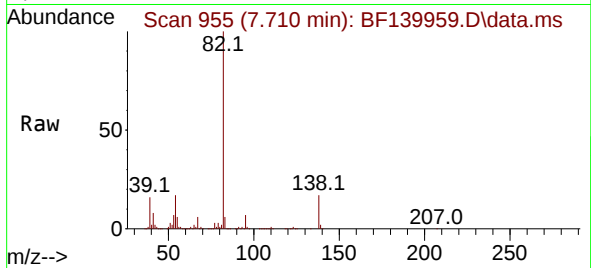




#25  
Isophorone  
Concen: 47.838 ng  
RT: 7.710 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

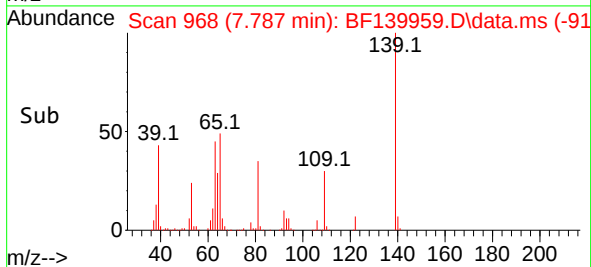
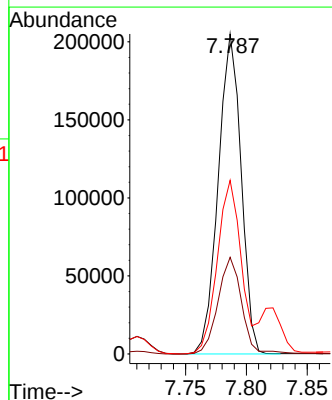
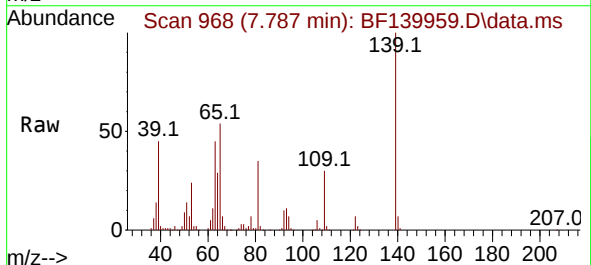
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

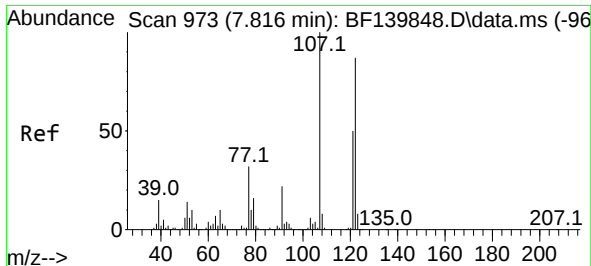
Tgt Ion: 82 Resp: 1009777  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 16.8 13.2 19.8



#26  
2-Nitrophenol  
Concen: 58.350 ng  
RT: 7.787 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:139 Resp: 268407  
Ion Ratio Lower Upper  
139 100  
109 30.2 25.1 37.7  
65 54.3 47.5 71.3

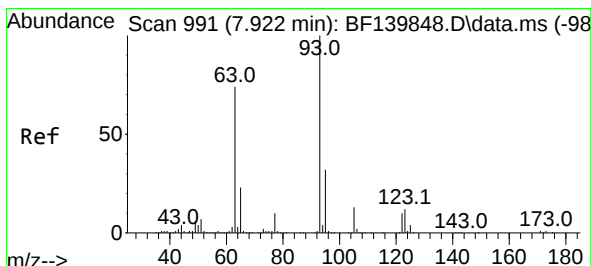
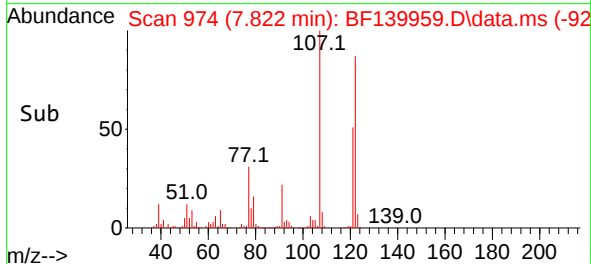
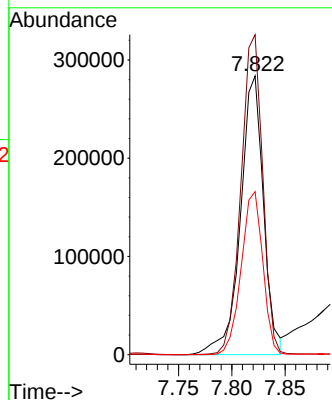
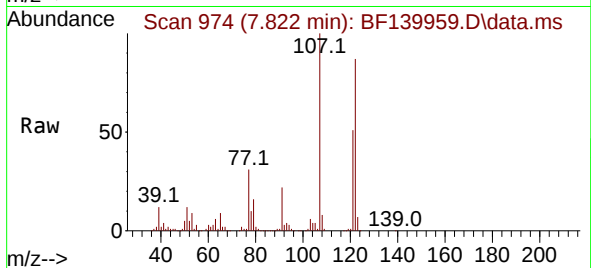




#27  
2,4-Dimethylphenol  
Concen: 55.805 ng  
RT: 7.822 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

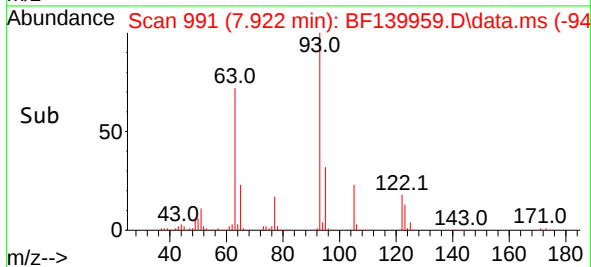
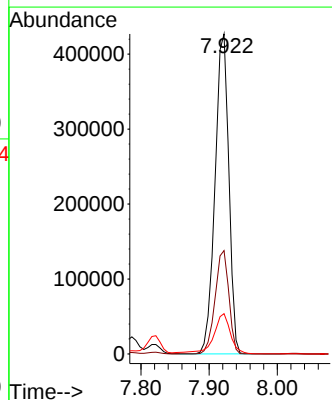
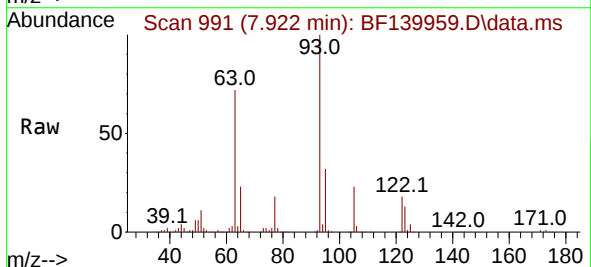
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

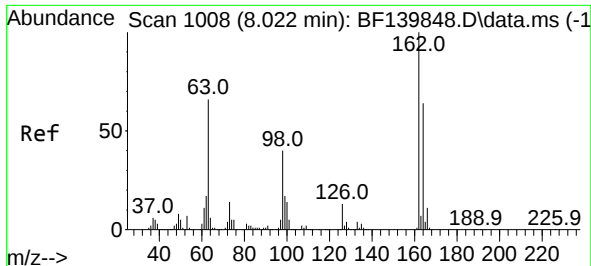
Tgt Ion:122 Resp: 428034  
Ion Ratio Lower Upper  
122 100  
107 114.8 91.9 137.9  
121 58.5 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.984 ng  
RT: 7.922 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 93 Resp: 600864  
Ion Ratio Lower Upper  
93 100  
95 32.3 26.0 39.0  
123 12.6 9.8 14.8





#29

2,4-Dichlorophenol

Concen: 48.743 ng

RT: 8.028 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

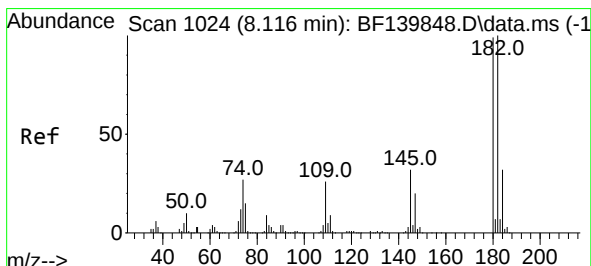
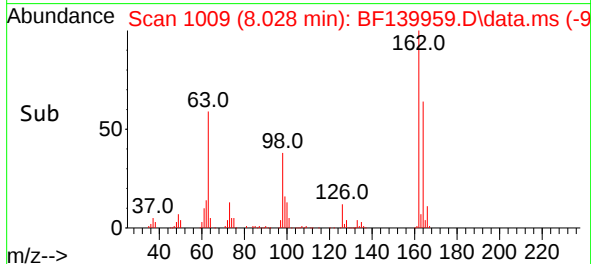
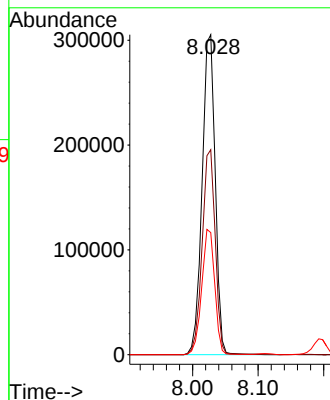
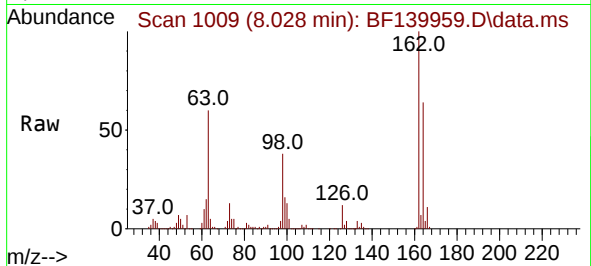
Tgt Ion:162 Resp: 425845

Ion Ratio Lower Upper

162 100

164 64.1 43.9 83.9

98 38.2 19.9 59.9



#30

1,2,4-Trichlorobenzene

Concen: 45.763 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

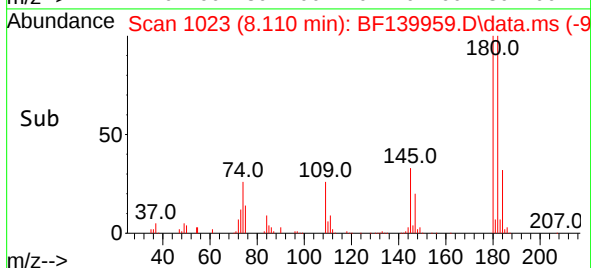
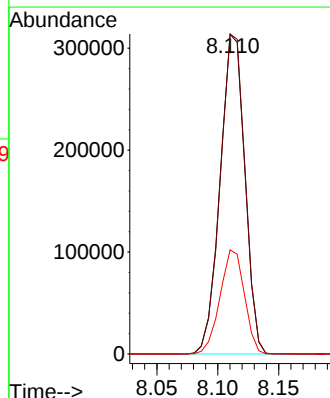
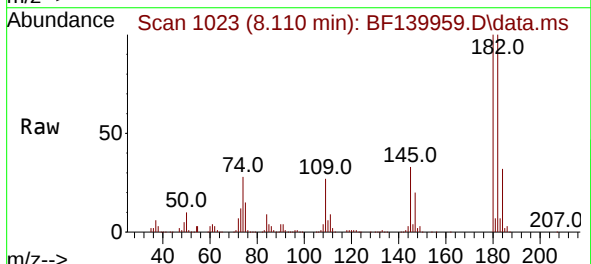
Tgt Ion:180 Resp: 442395

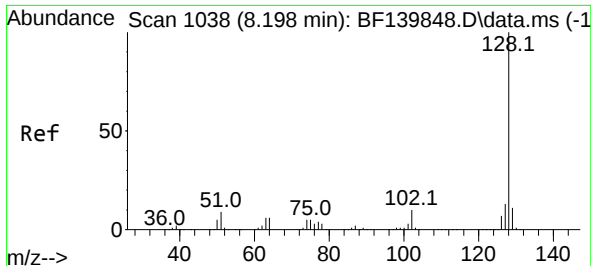
Ion Ratio Lower Upper

180 100

182 100.1 80.5 120.7

145 32.6 25.4 38.0

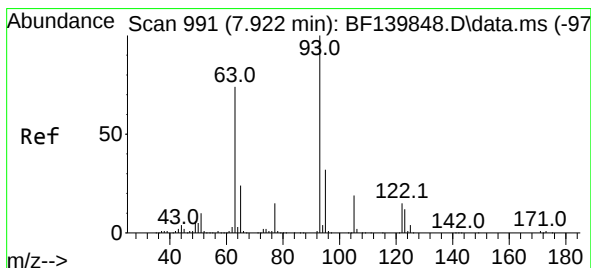
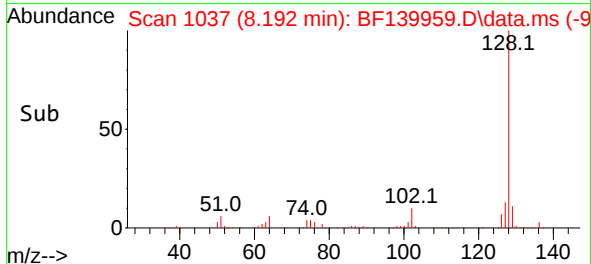
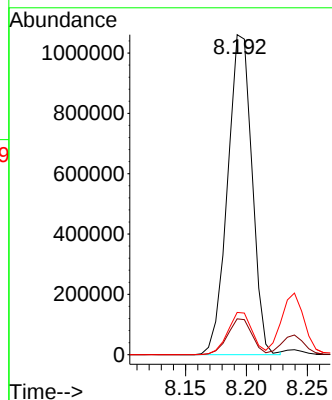
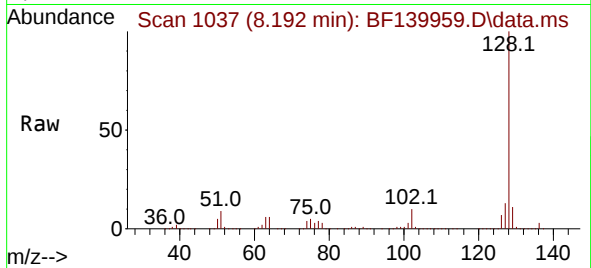




#31  
Naphthalene  
Concen: 46.572 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

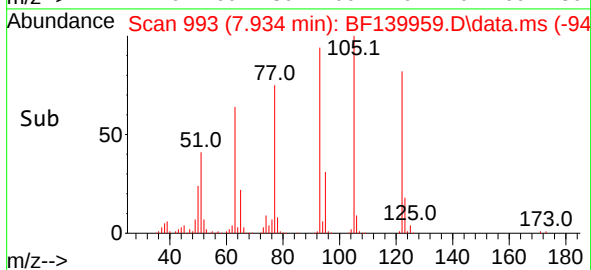
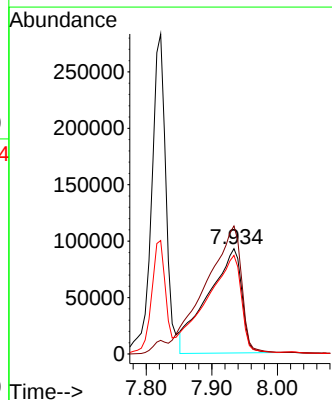
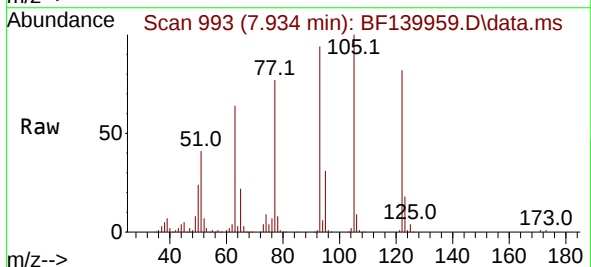
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

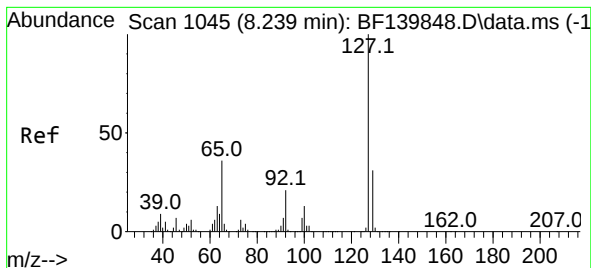
Tgt Ion:128 Resp: 1480485  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 49.522 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.012 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:122 Resp: 331294  
Ion Ratio Lower Upper  
122 100  
105 121.7 107.6 147.6  
77 93.6 80.2 120.2



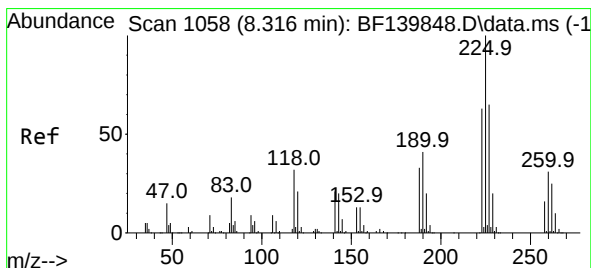
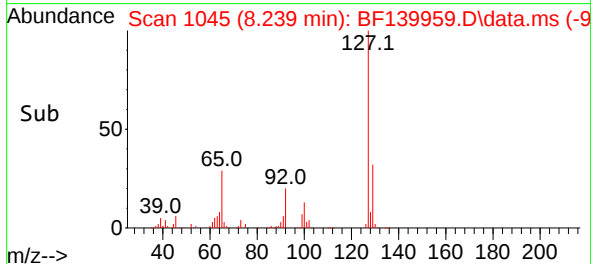
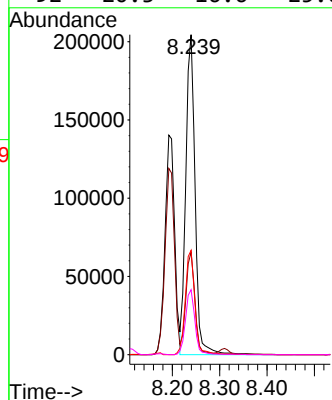
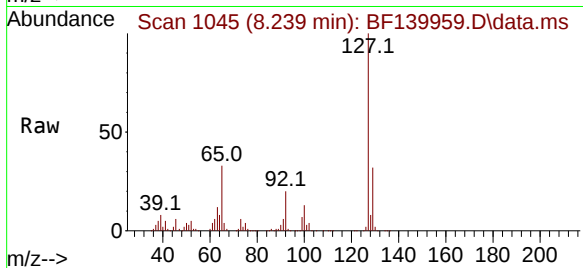


#33  
4-Chloroaniline  
Concen: 25.792 ng  
RT: 8.239 min Scan# 1045  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

Tgt Ion:127 Resp: 279577

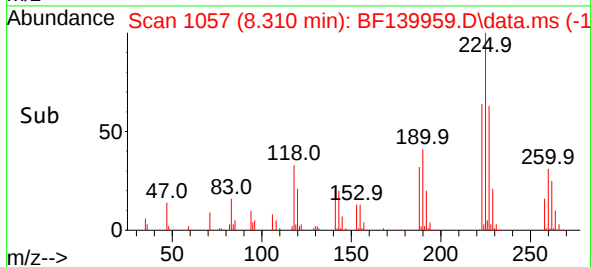
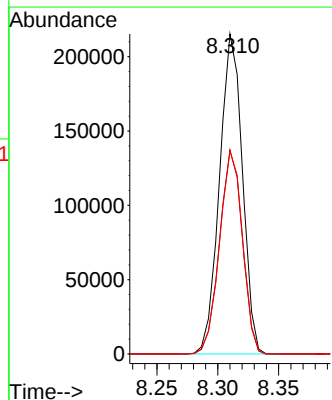
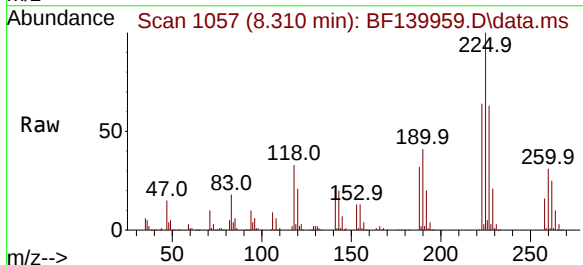
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.0  | 25.4  | 38.2  |
| 65  | 32.6  | 28.4  | 42.6  |
| 92  | 20.3  | 16.6  | 25.0  |

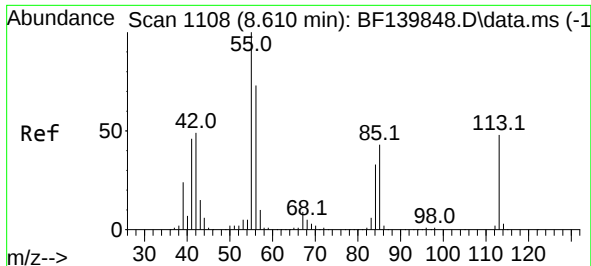


#34  
Hexachlorobutadiene  
Concen: 46.339 ng  
RT: 8.310 min Scan# 1057  
Delta R.T. -0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:225 Resp: 281463

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.7  | 50.6  | 76.0  |
| 227 | 63.5  | 51.8  | 77.8  |

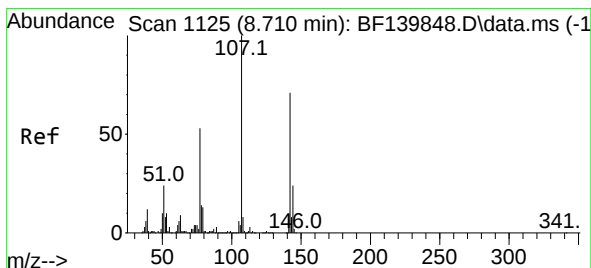
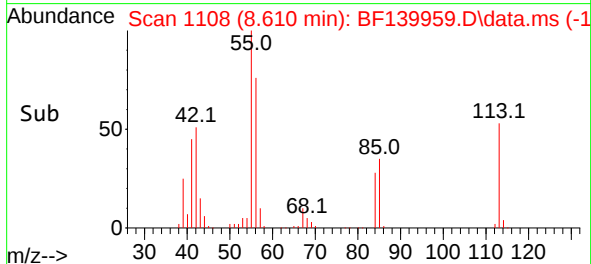
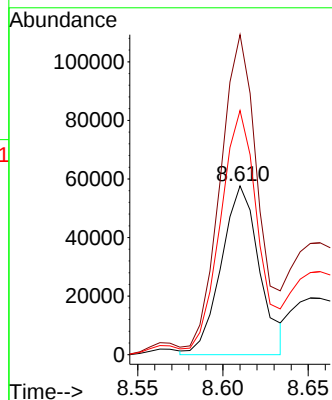
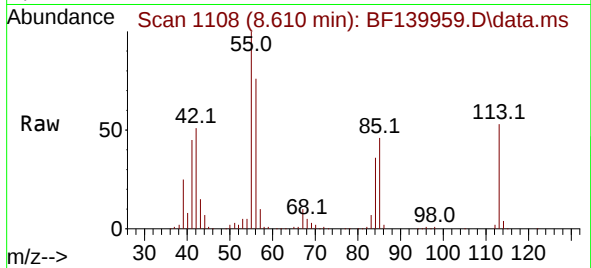




#35  
 Caprolactam  
 Concen: 32.314 ng  
 RT: 8.610 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: BF139959.D  
 Acq: 23 Oct 2024 12:39

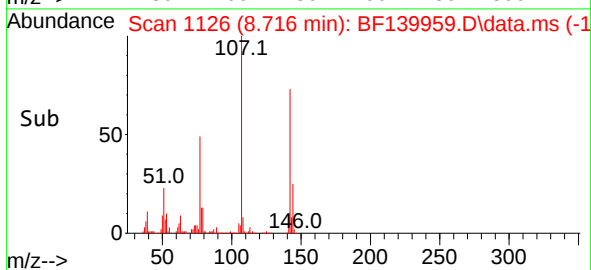
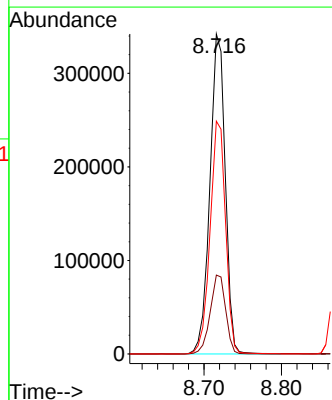
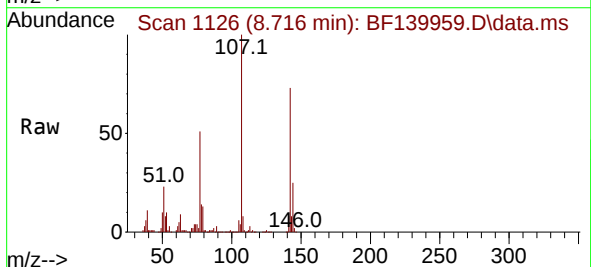
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164123BS

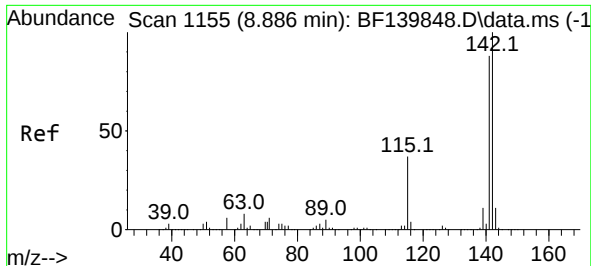
Tgt Ion:113 Resp: 89766  
 Ion Ratio Lower Upper  
 113 100  
 55 189.6 189.2 229.2  
 56 144.7 132.5 172.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.707 ng  
 RT: 8.716 min Scan# 1126  
 Delta R.T. 0.006 min  
 Lab File: BF139959.D  
 Acq: 23 Oct 2024 12:39

Tgt Ion:107 Resp: 471188  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 19.1 28.7  
 142 72.7 57.2 85.8

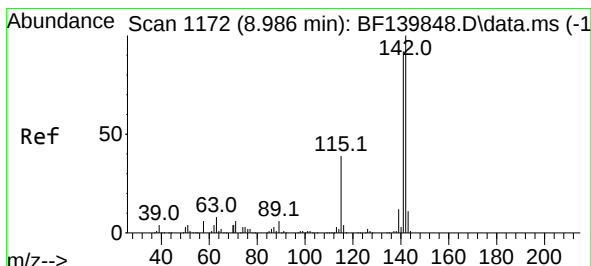
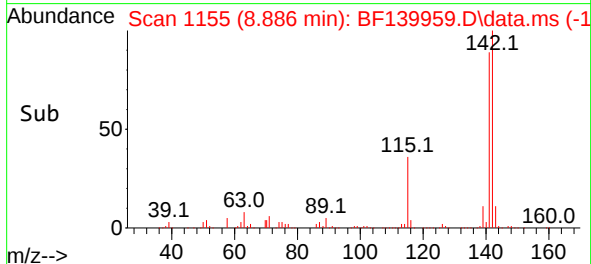
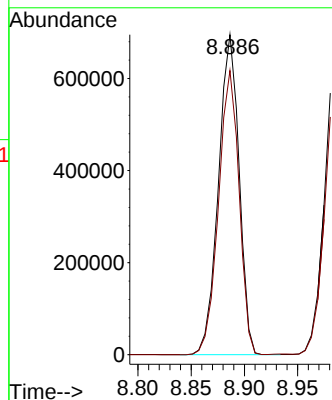
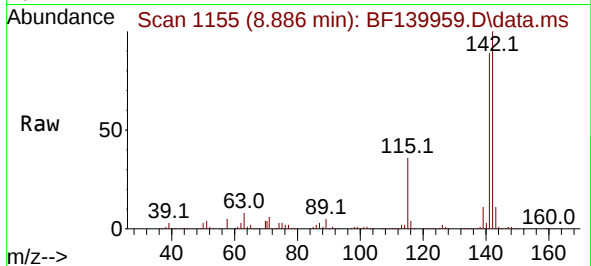




#37  
2-Methylnaphthalene  
Concen: 47.983 ng  
RT: 8.886 min Scan# 1155  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

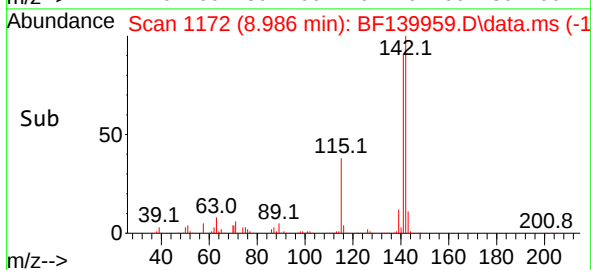
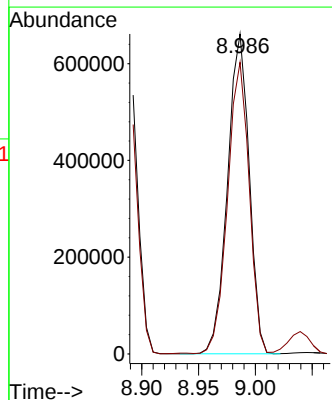
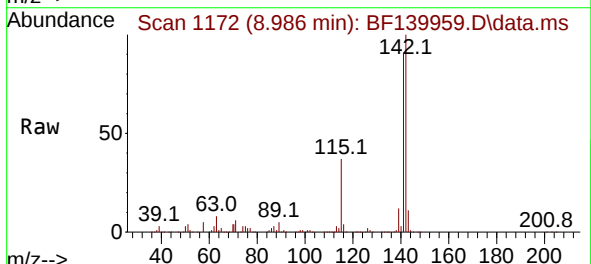
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

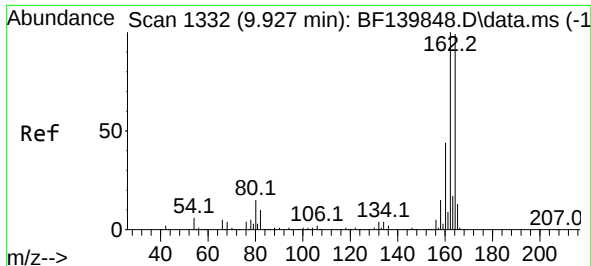
Tgt Ion:142 Resp: 934188  
Ion Ratio Lower Upper  
142 100  
141 88.8 70.8 106.2



#38  
1-Methylnaphthalene  
Concen: 45.850 ng  
RT: 8.986 min Scan# 1172  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:142 Resp: 875790  
Ion Ratio Lower Upper  
142 100  
141 91.1 73.5 110.3

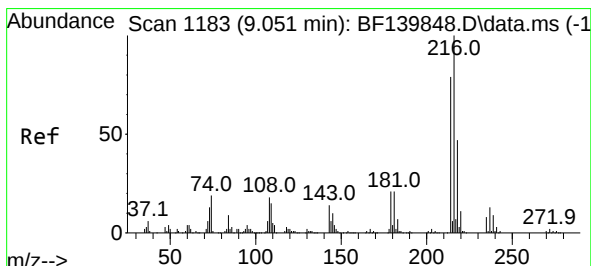
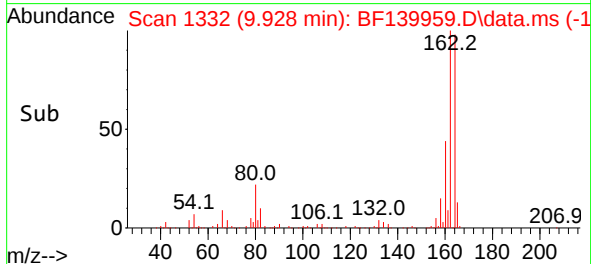
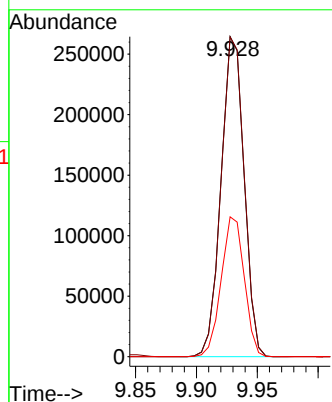
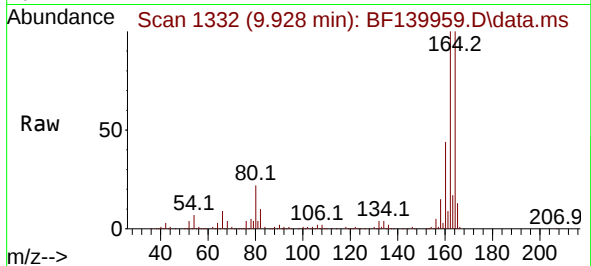




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.928 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

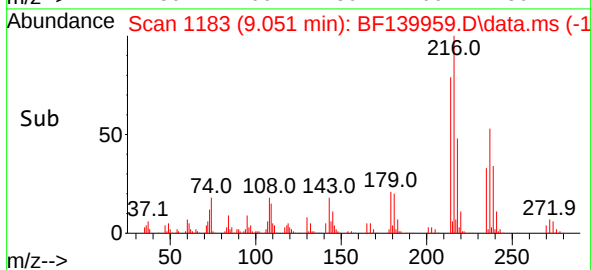
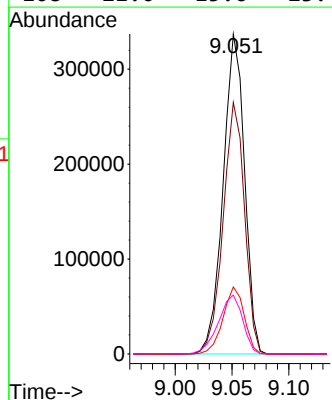
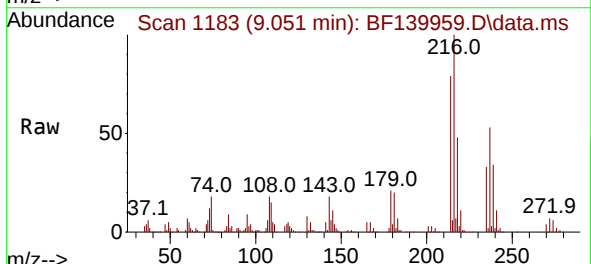
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

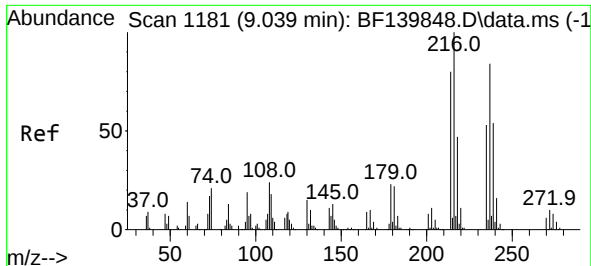
Tgt Ion:164 Resp: 348472  
Ion Ratio Lower Upper  
164 100  
162 99.9 81.0 121.4  
160 43.7 35.4 53.0



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.006 ng  
RT: 9.051 min Scan# 1183  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

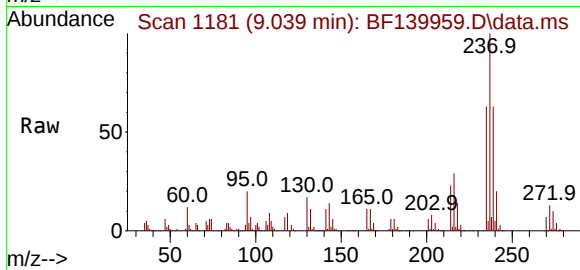
Tgt Ion:216 Resp: 441914  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.4 95.0  
179 20.8 17.2 25.8  
108 21.0 15.6 23.4



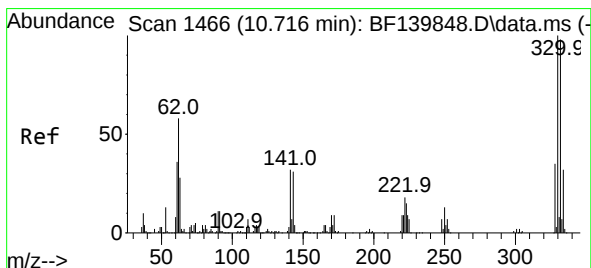
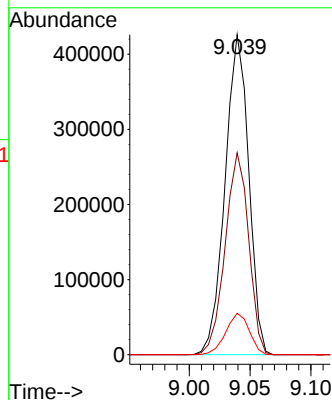
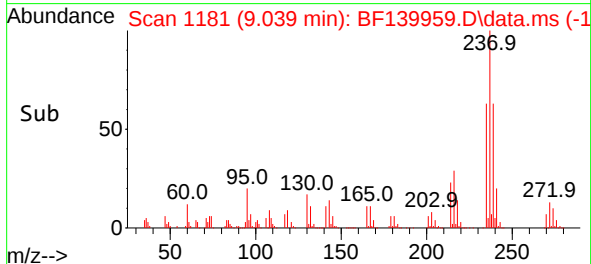


#41  
Hexachlorocyclopentadiene  
Concen: 175.926 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

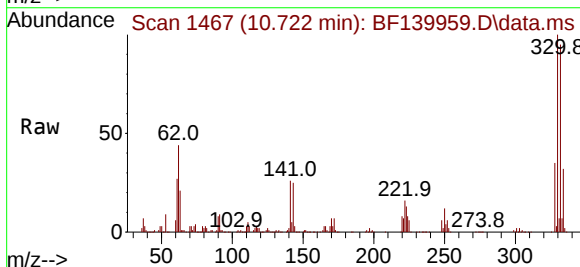
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS



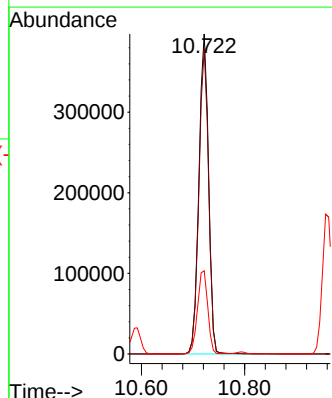
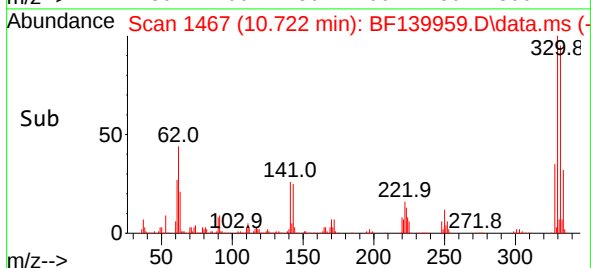
Tgt Ion:237 Resp: 575484  
Ion Ratio Lower Upper  
237 100  
235 63.1 42.9 82.9  
272 12.9 0.0 32.3

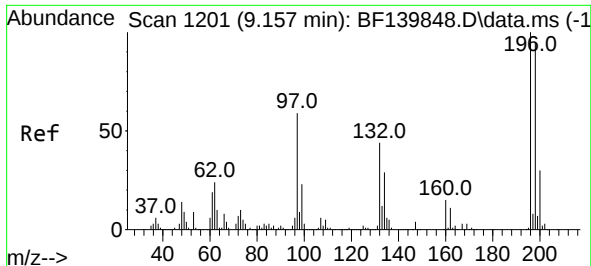


#42  
2,4,6-Tribromophenol  
Concen: 158.016 ng  
RT: 10.722 min Scan# 1467  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39



Tgt Ion:330 Resp: 515054  
Ion Ratio Lower Upper  
330 100  
332 95.4 78.1 117.1  
141 27.6 26.6 39.8

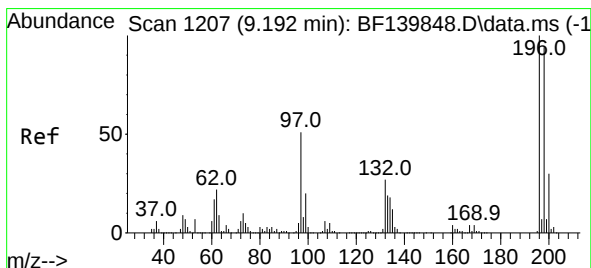
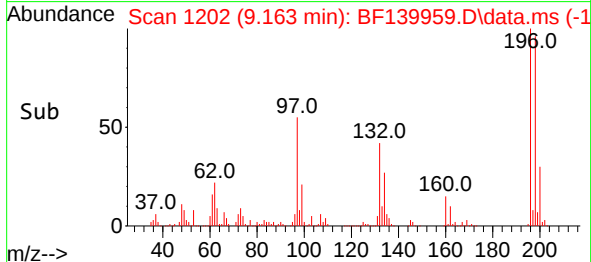
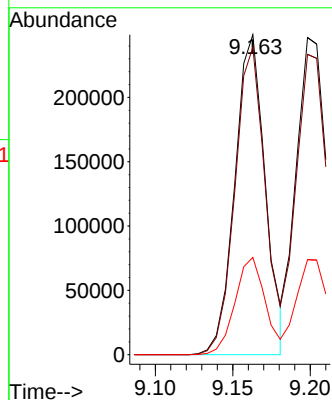
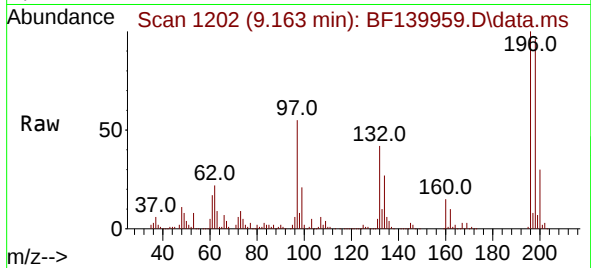




#43  
2,4,6-Trichlorophenol  
Concen: 50.889 ng  
RT: 9.163 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

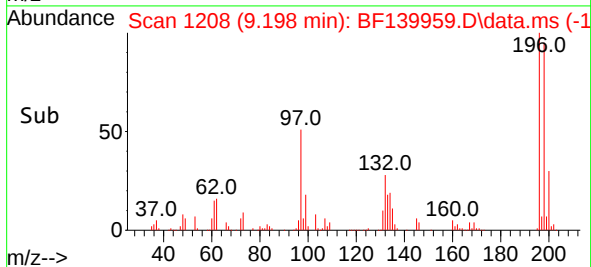
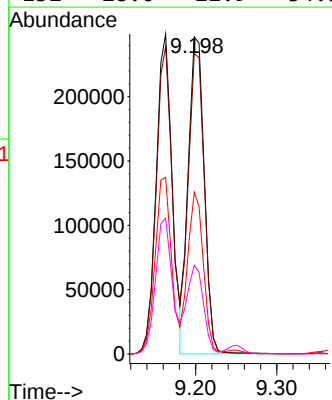
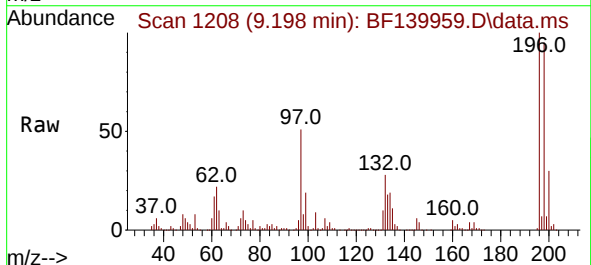
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

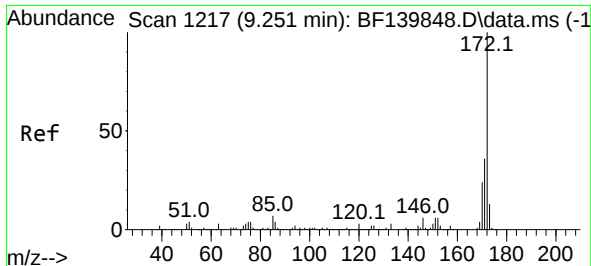
Tgt Ion:196 Resp: 338719  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.2 114.2  
200 30.4 24.0 36.0



#44  
2,4,5-Trichlorophenol  
Concen: 49.501 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:196 Resp: 339933  
Ion Ratio Lower Upper  
196 100  
198 94.7 75.8 113.6  
97 51.0 41.8 62.6  
132 28.0 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 91.582 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

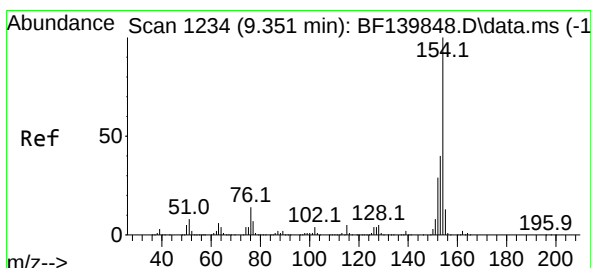
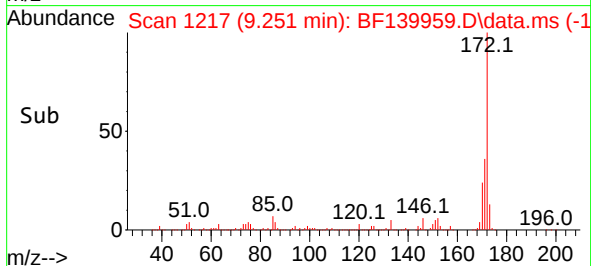
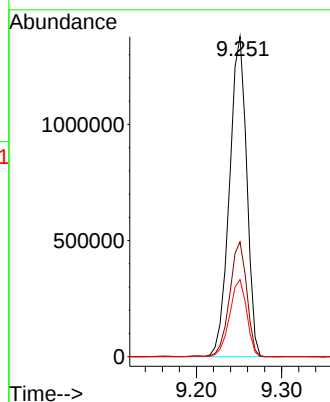
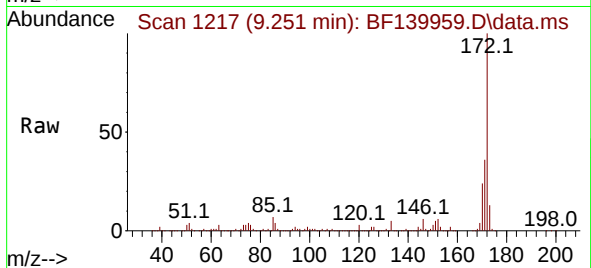
Tgt Ion:172 Resp: 1931021

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 46.445 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

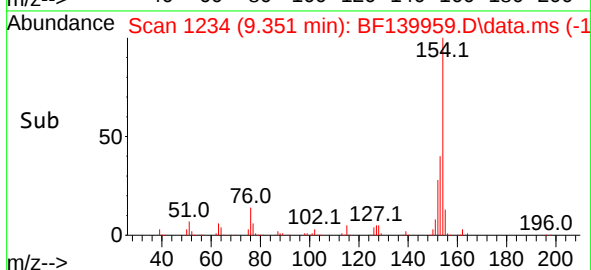
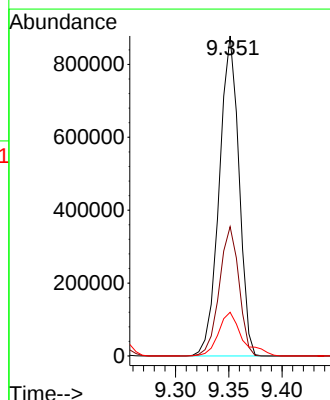
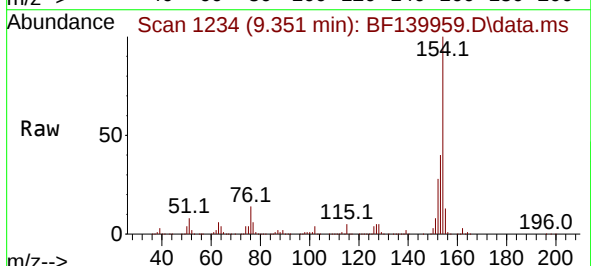
Tgt Ion:154 Resp: 1126703

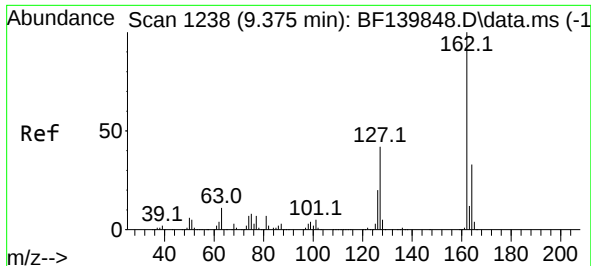
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 13.7 0.0 33.9

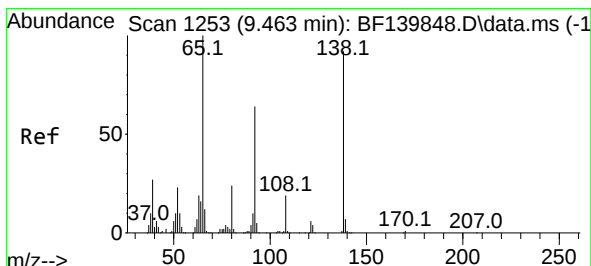
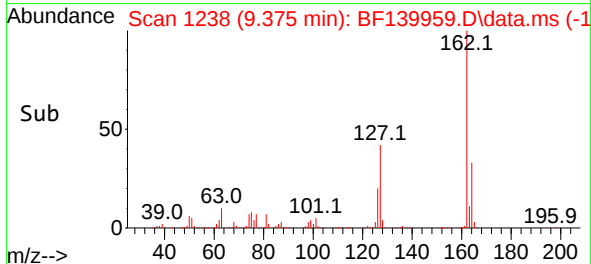
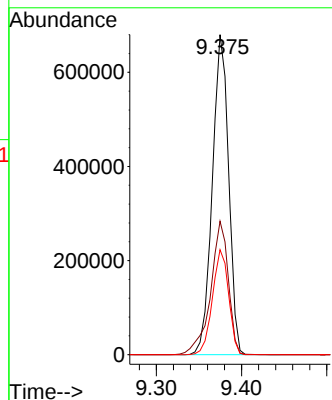
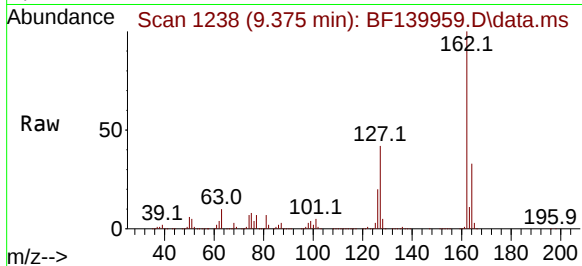




#47  
2-Chloronaphthalene  
Concen: 46.150 ng  
RT: 9.375 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

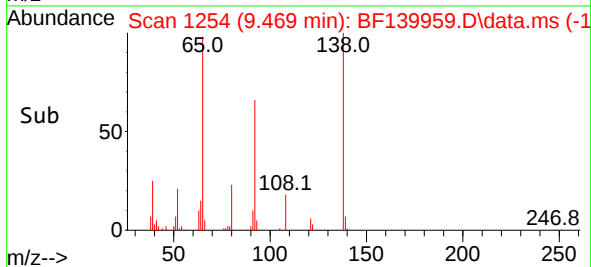
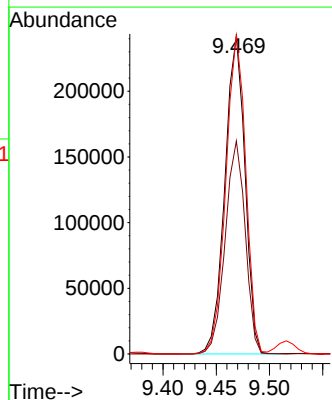
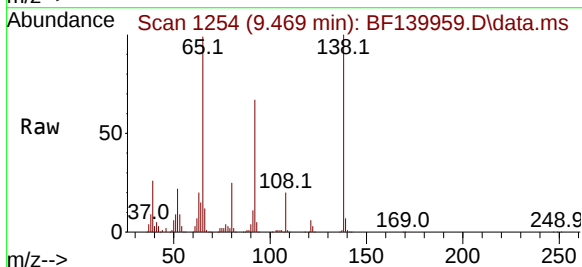
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

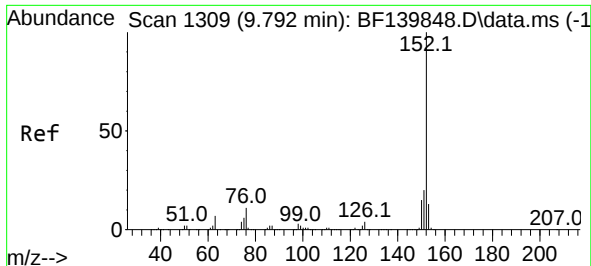
Tgt Ion:162 Resp: 901688  
Ion Ratio Lower Upper  
162 100  
127 41.7 33.8 50.6  
164 32.8 26.6 39.8



#48  
2-Nitroaniline  
Concen: 52.999 ng  
RT: 9.469 min Scan# 1254  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion: 65 Resp: 316703  
Ion Ratio Lower Upper  
65 100  
92 67.0 50.9 76.3  
138 100.7 73.4 110.0

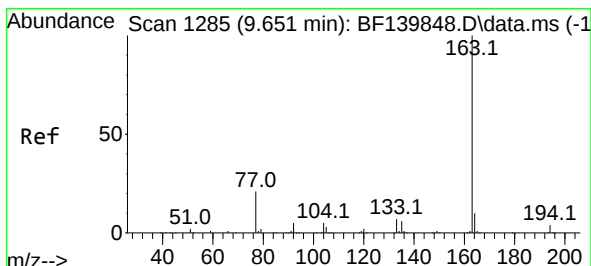
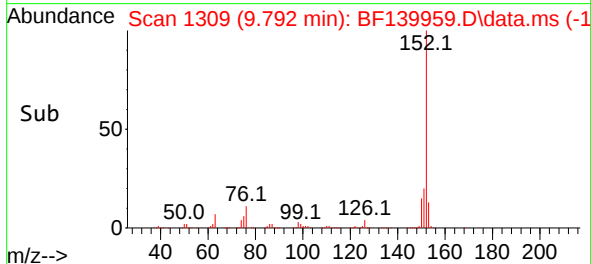
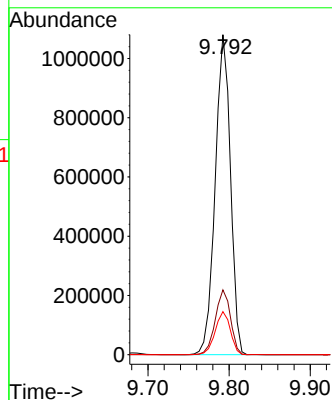
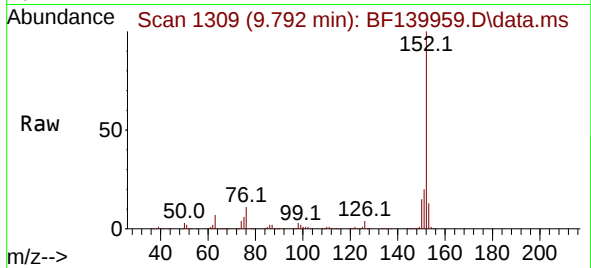




#49  
Acenaphthylene  
Concen: 49.917 ng  
RT: 9.792 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

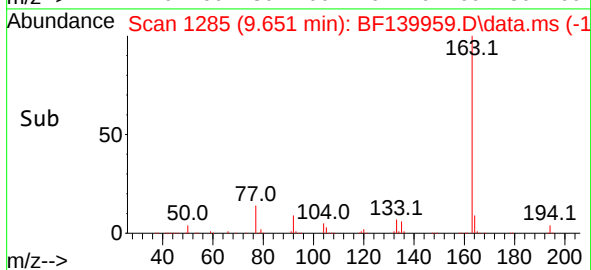
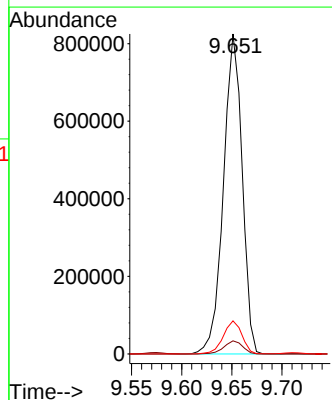
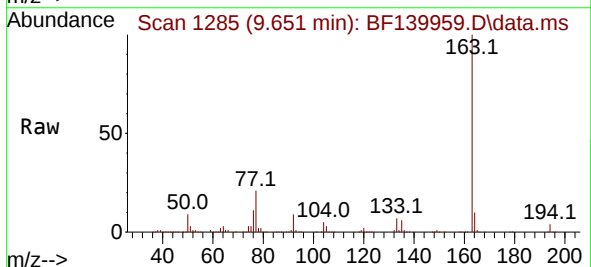
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

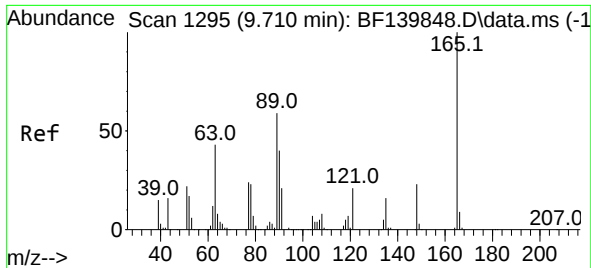
Tgt Ion:152 Resp: 1409992  
Ion Ratio Lower Upper  
152 100  
151 20.3 15.9 23.9  
153 13.5 10.7 16.1



#50  
Dimethylphthalate  
Concen: 49.337 ng  
RT: 9.651 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:163 Resp: 1070887  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.4 5.0  
164 10.4 8.2 12.2

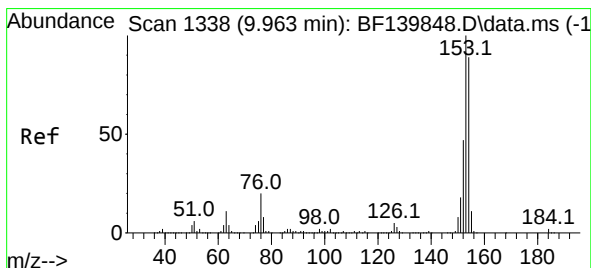
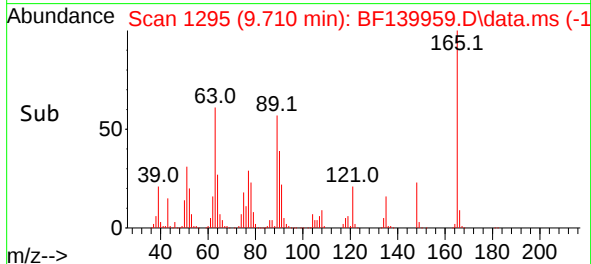
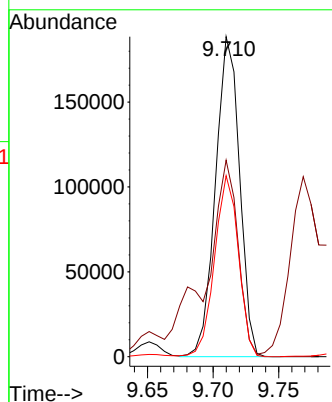
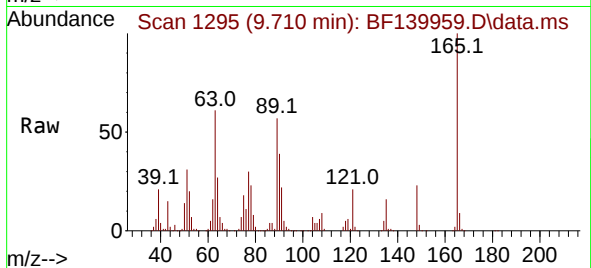




#51  
2,6-Dinitrotoluene  
Concen: 51.194 ng  
RT: 9.710 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

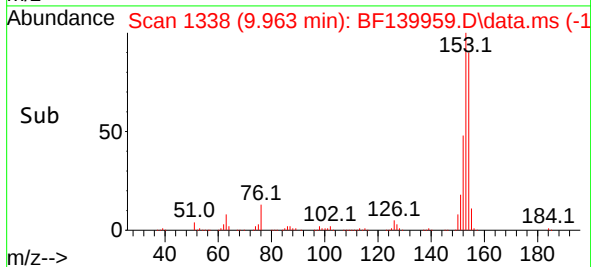
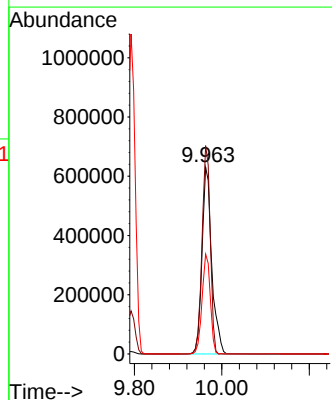
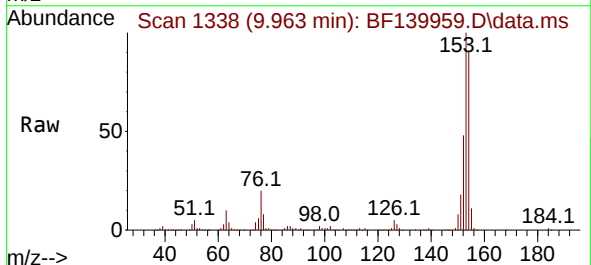
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

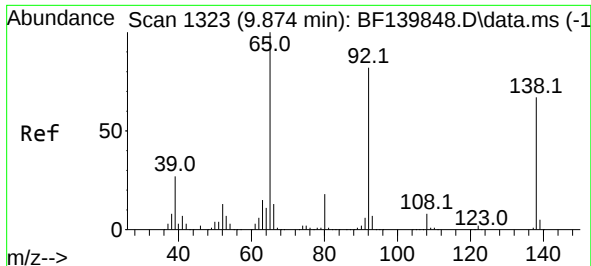
Tgt Ion:165 Resp: 240598  
Ion Ratio Lower Upper  
165 100  
63 61.4 50.6 75.8  
89 56.6 47.5 71.3



#52  
Acenaphthene  
Concen: 53.683 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:154 Resp: 980931  
Ion Ratio Lower Upper  
154 100  
153 111.6 89.8 134.6  
152 53.5 42.4 63.6

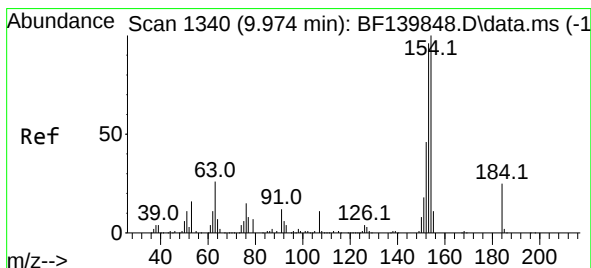
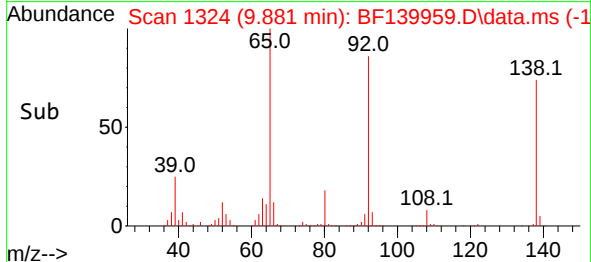
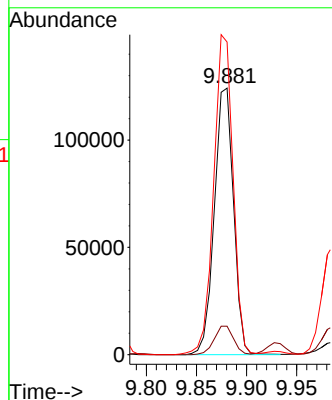
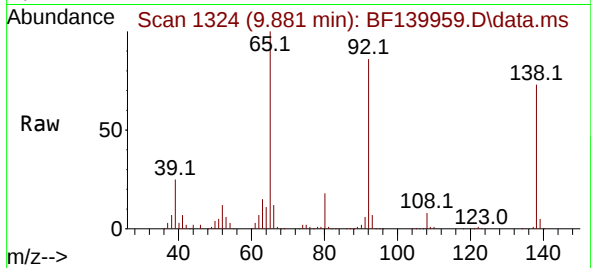




#53  
3-Nitroaniline  
Concen: 34.194 ng  
RT: 9.881 min Scan# 1324  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

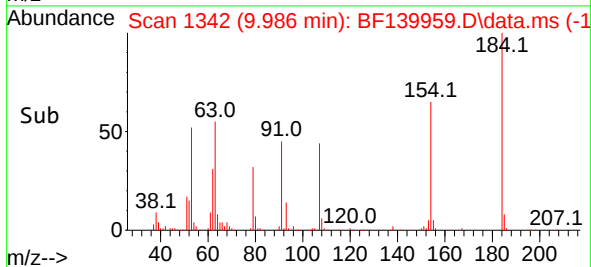
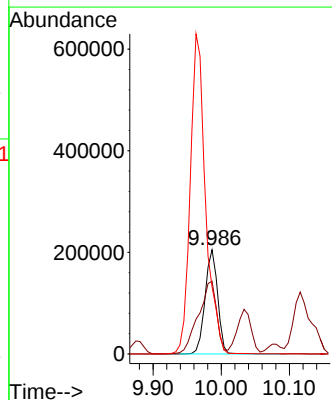
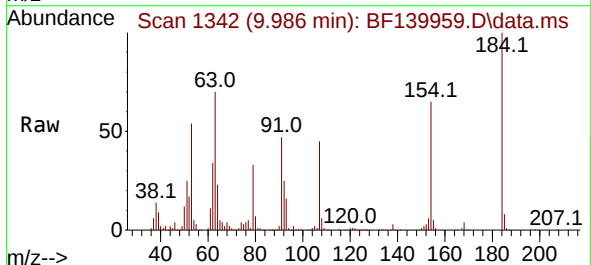
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

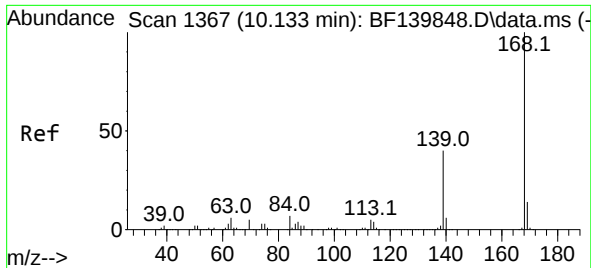
Tgt Ion:138 Resp: 165720  
Ion Ratio Lower Upper  
138 100  
108 10.7 10.2 15.2  
92 117.3 98.3 147.5



#54  
2,4-Dinitrophenol  
Concen: 130.698 ng  
RT: 9.986 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:184 Resp: 264001  
Ion Ratio Lower Upper  
184 100  
63 69.8 84.7 127.1#  
154 64.6 338.2 507.2#

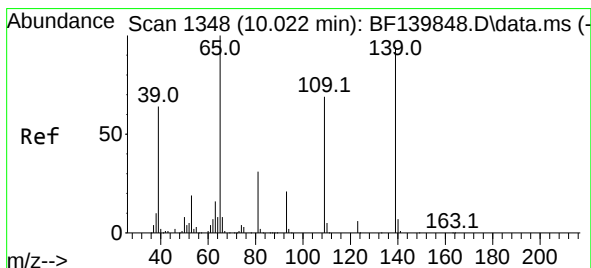
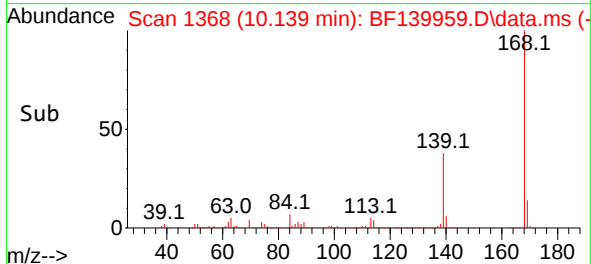
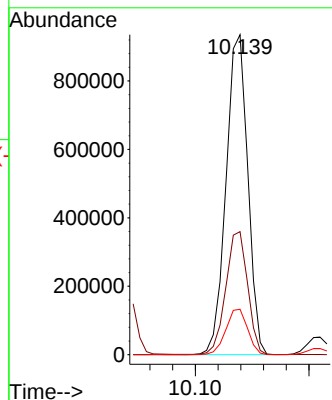
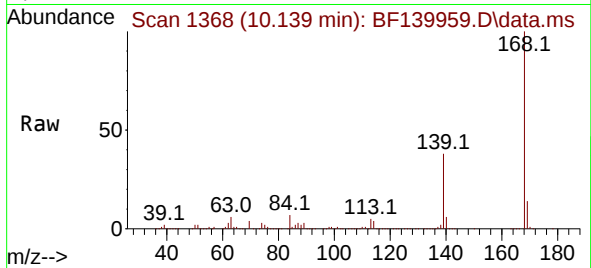




#55  
Dibenzofuran  
Concen: 47.324 ng  
RT: 10.139 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

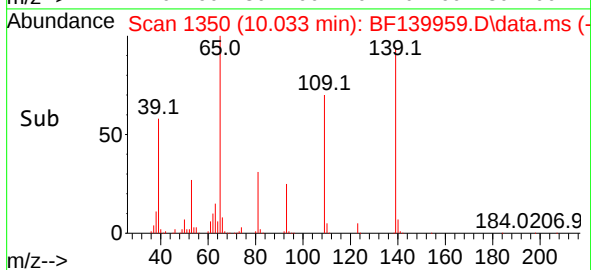
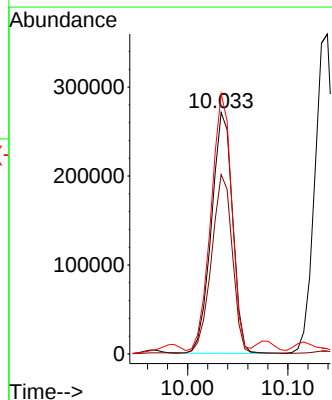
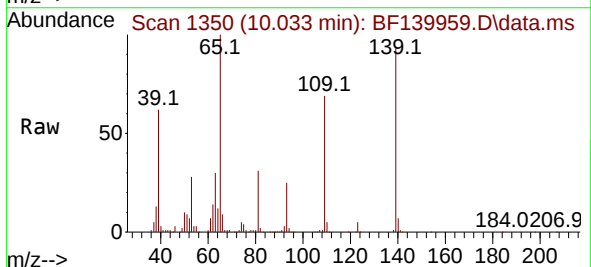
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

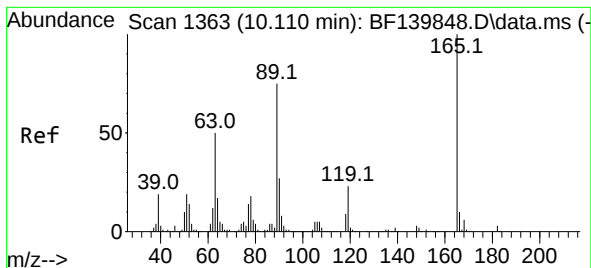
Tgt Ion:168 Resp: 1240679  
Ion Ratio Lower Upper  
168 100  
139 38.5 31.8 47.6  
169 14.2 11.6 17.4



#56  
4-Nitrophenol  
Concen: 106.278 ng  
RT: 10.033 min Scan# 1350  
Delta R.T. 0.012 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:139 Resp: 396279  
Ion Ratio Lower Upper  
139 100  
109 74.3 53.6 93.6  
65 107.9 87.8 127.8

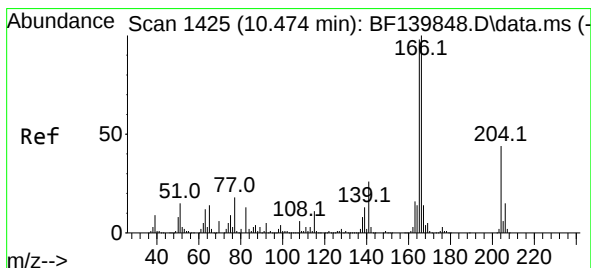
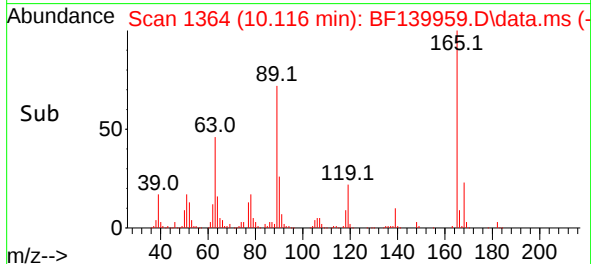
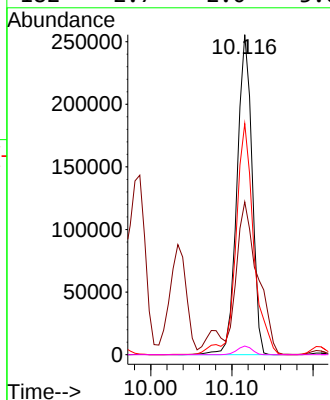
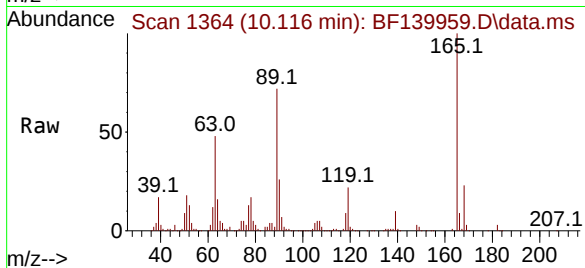




#57  
2,4-Dinitrotoluene  
Concen: 56.973 ng  
RT: 10.116 min Scan# 1363  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

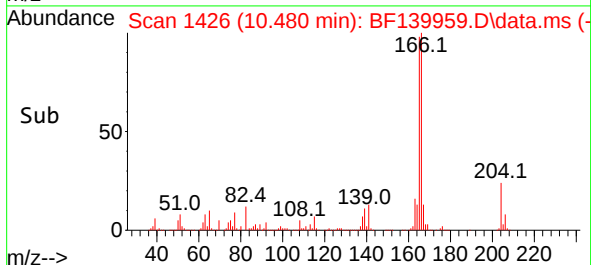
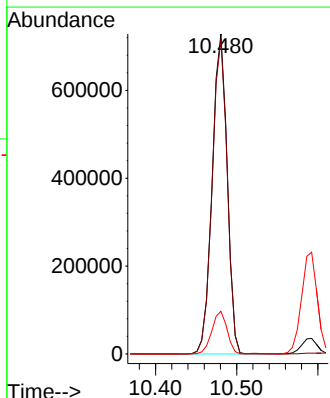
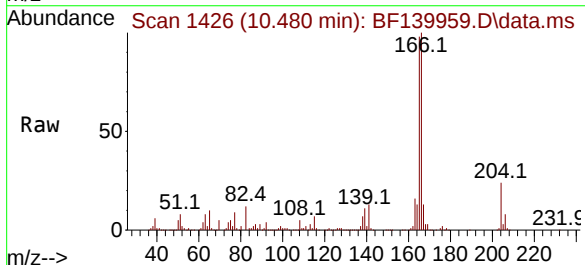
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

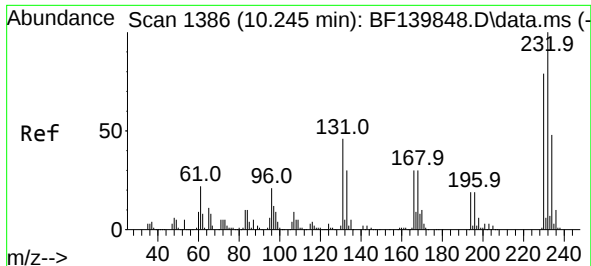
Tgt Ion:165 Resp: 329266  
Ion Ratio Lower Upper  
165 100  
63 47.7 40.1 60.1  
89 72.2 60.4 90.6  
182 2.7 2.0 3.0



#58  
Fluorene  
Concen: 46.861 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:166 Resp: 935732  
Ion Ratio Lower Upper  
166 100  
165 98.4 78.5 117.7  
167 13.4 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 53.821 ng

RT: 10.251 min Scan# 1387

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

Tgt Ion:232 Resp: 289740

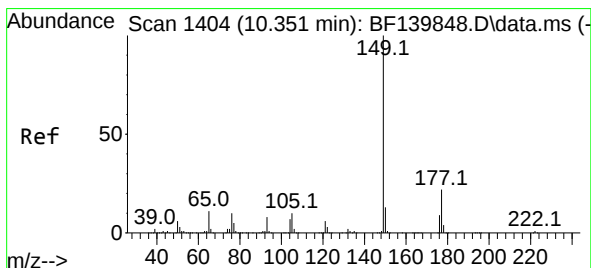
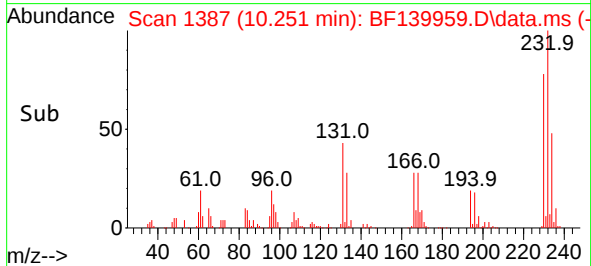
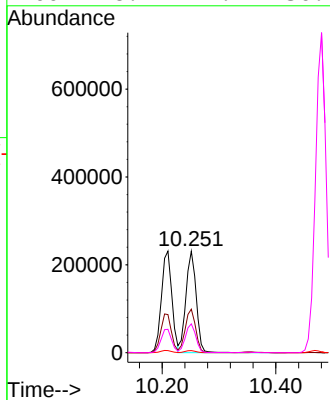
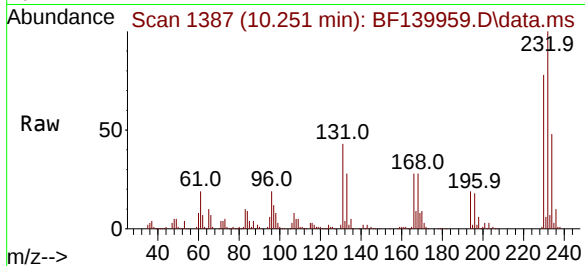
Ion Ratio Lower Upper

232 100

131 43.4 37.0 55.6

130 2.1 1.9 2.9

166 28.2 24.2 36.2



#60

Diethylphthalate

Concen: 48.887 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

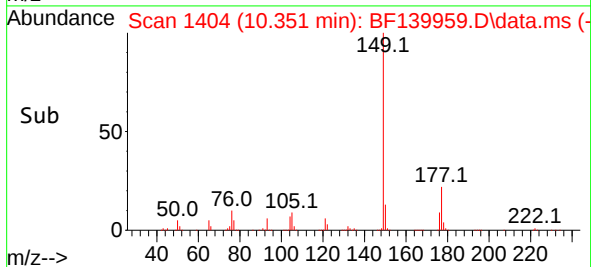
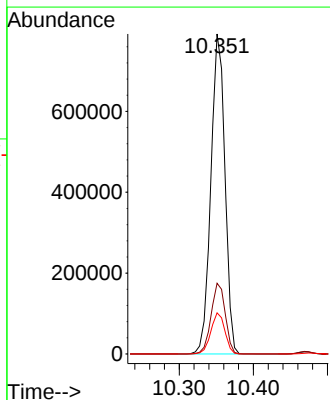
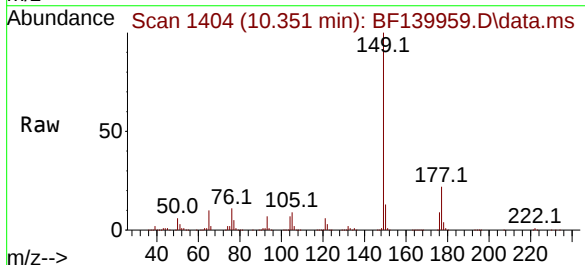
Tgt Ion:149 Resp: 1041864

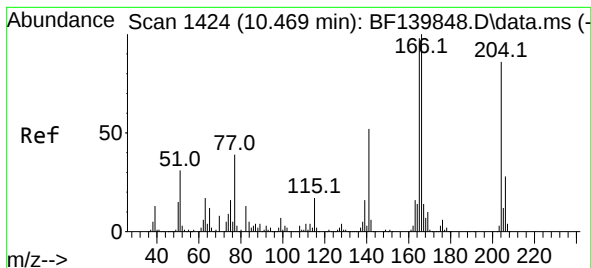
Ion Ratio Lower Upper

149 100

177 22.1 17.9 26.9

150 12.8 10.1 15.1

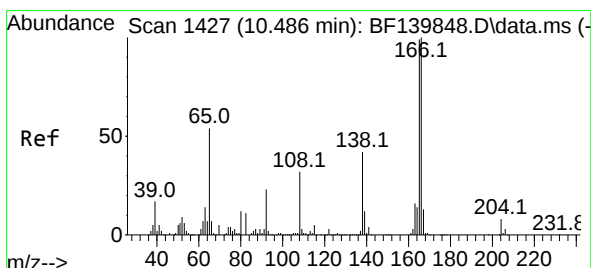
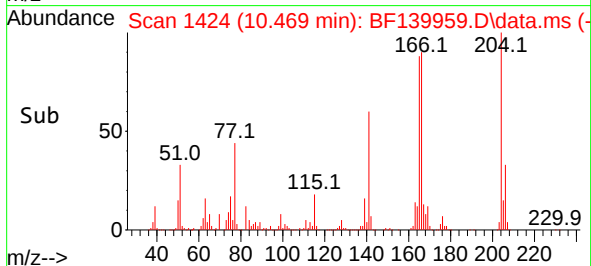
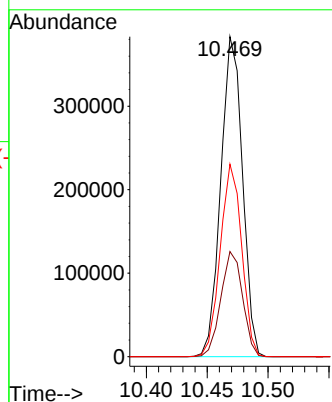
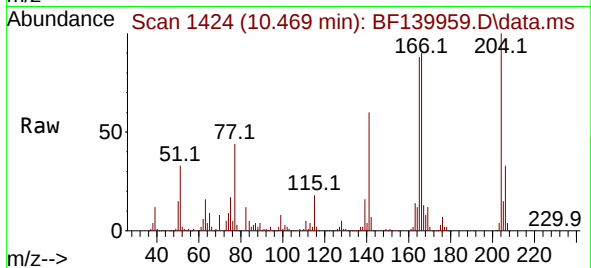




#61  
4-Chlorophenyl-phenylether  
Concen: 47.181 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

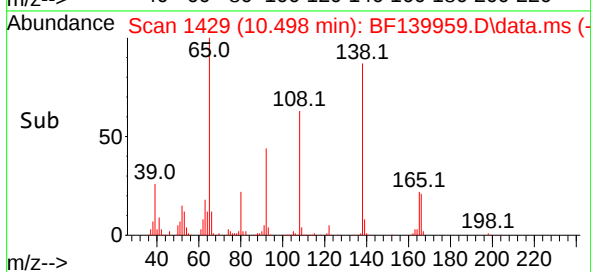
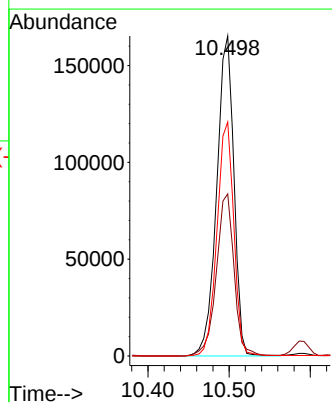
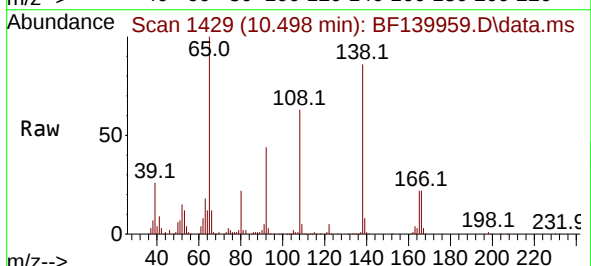
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

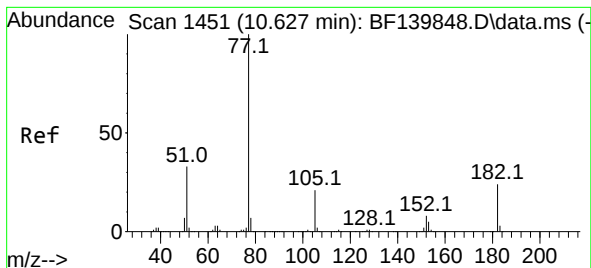
Tgt Ion:204 Resp: 475776  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.3 39.5  
141 60.2 48.6 73.0



#62  
4-Nitroaniline  
Concen: 53.208 ng  
RT: 10.498 min Scan# 1429  
Delta R.T. 0.012 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:138 Resp: 243551  
Ion Ratio Lower Upper  
138 100  
92 50.7 35.7 75.7  
108 73.1 57.5 97.5





#63

Azobenzene

Concen: 46.839 ng

RT: 10.633 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

Tgt Ion: 77 Resp: 1058273

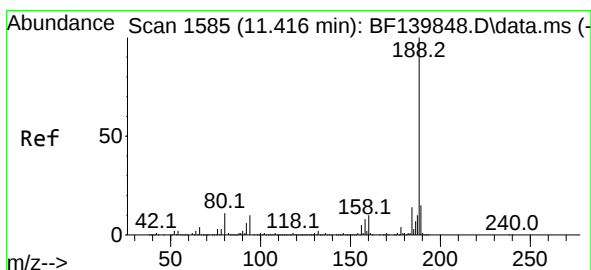
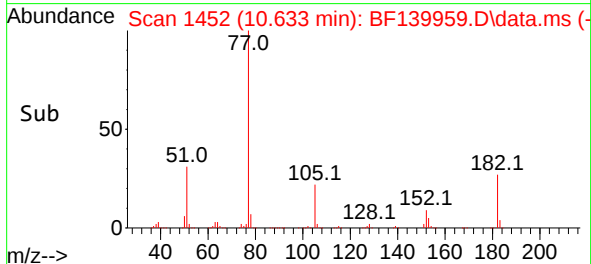
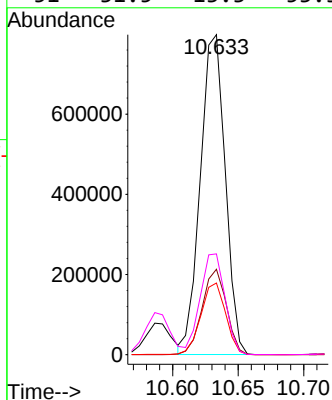
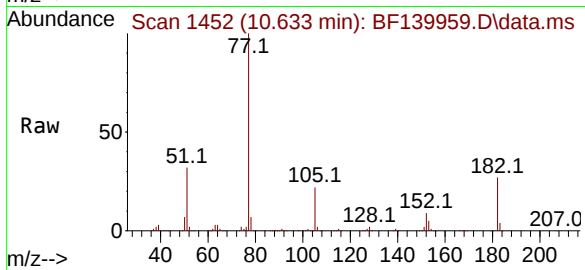
Ion Ratio Lower Upper

77 100

182 26.7 3.3 43.3

105 22.4 1.2 41.2

51 31.5 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

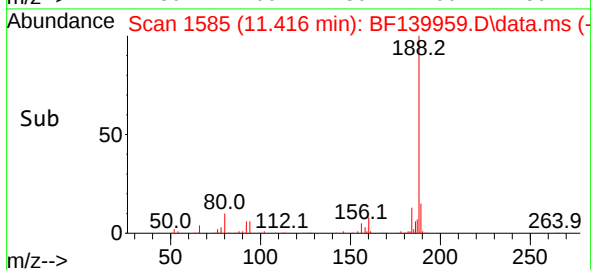
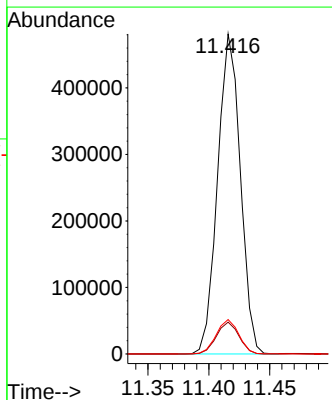
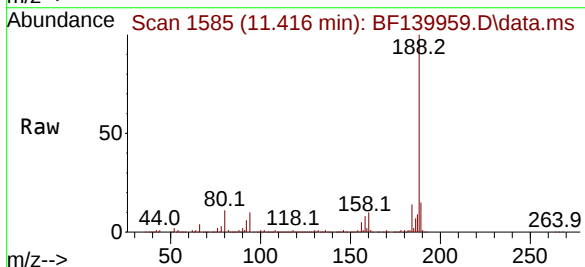
Tgt Ion:188 Resp: 625574

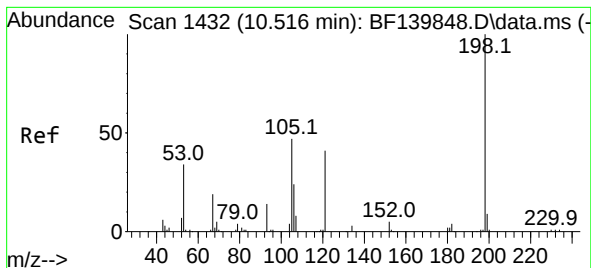
Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 10.7 9.0 13.4

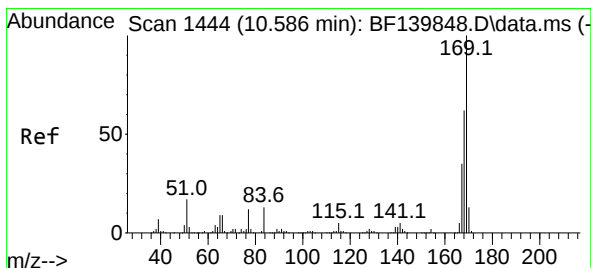
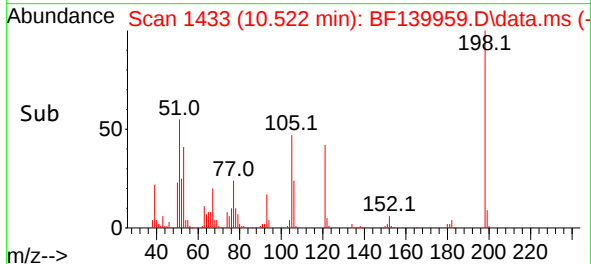
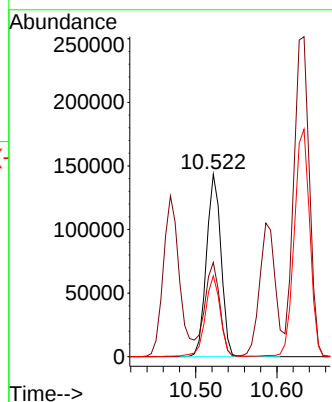
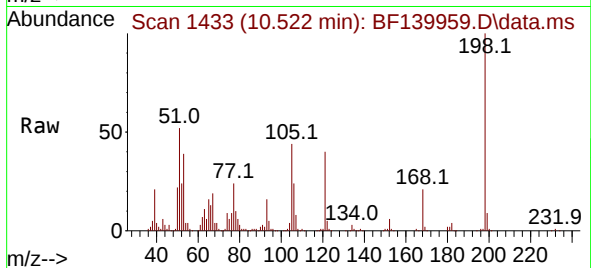




#65  
4,6-Dinitro-2-methylphenol  
Concen: 69.796 ng  
RT: 10.522 min Scan# 1443  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

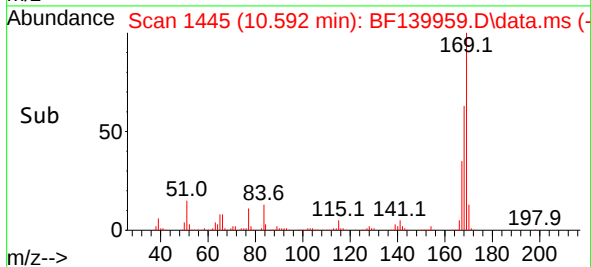
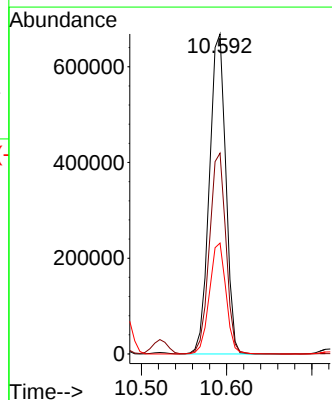
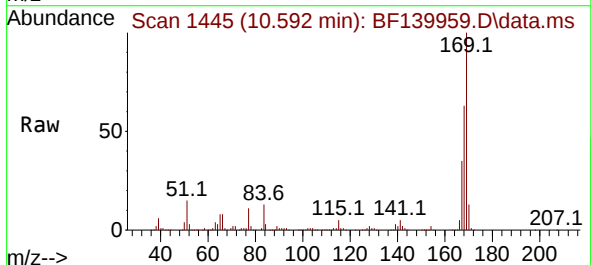
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

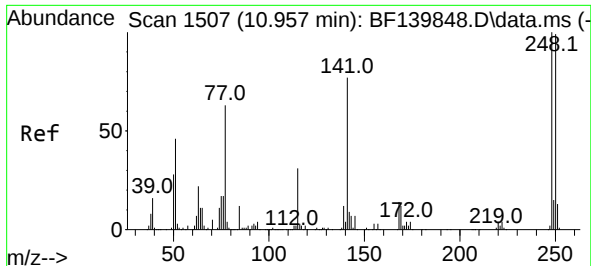
Tgt Ion:198 Resp: 178099  
Ion Ratio Lower Upper  
198 100  
51 51.6 38.2 78.2  
105 44.2 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 47.764 ng  
RT: 10.592 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:169 Resp: 894297  
Ion Ratio Lower Upper  
169 100  
168 62.7 49.8 74.6  
167 34.7 28.0 42.0

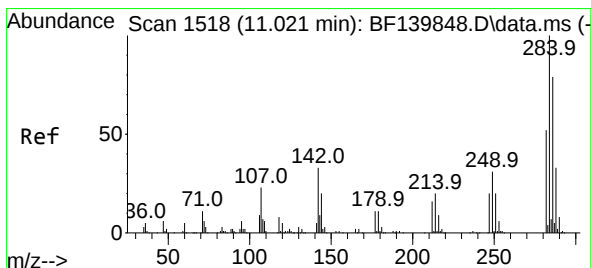
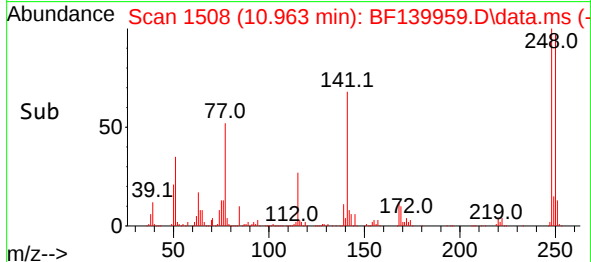
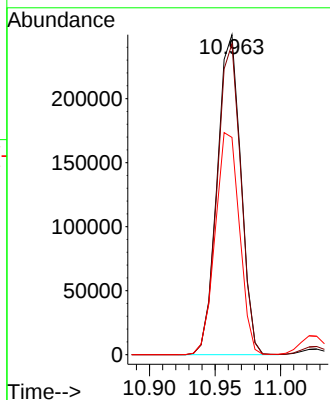
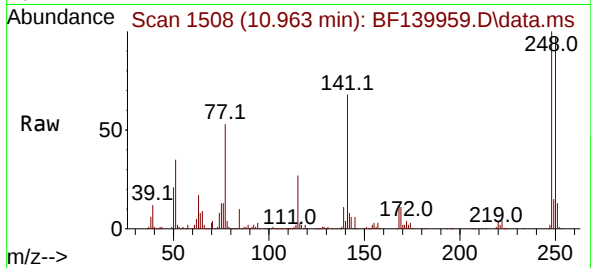




#67  
4-Bromophenyl-phenylether  
Concen: 48.688 ng  
RT: 10.963 min Scan# 1508  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

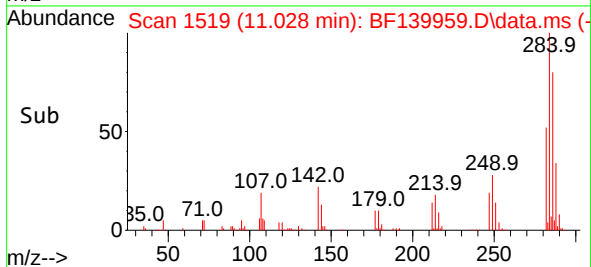
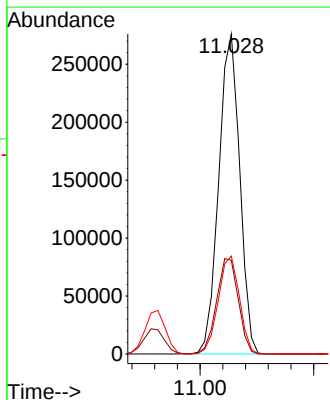
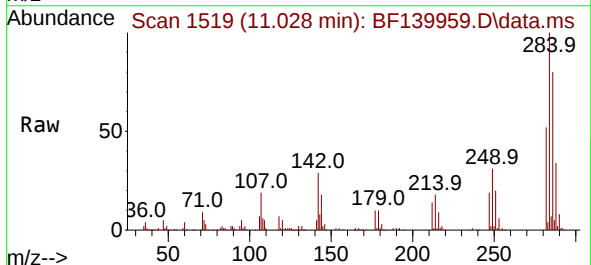
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

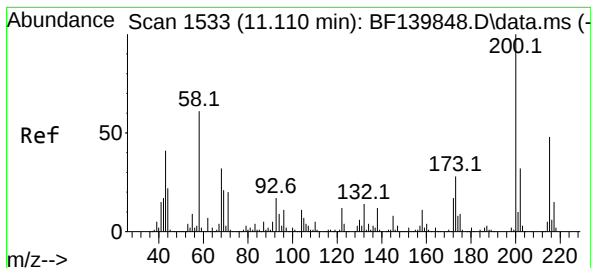
Tgt Ion:248 Resp: 313776  
Ion Ratio Lower Upper  
248 100  
250 97.1 79.0 118.6  
141 67.9 61.7 92.5



#68  
Hexachlorobenzene  
Concen: 48.879 ng  
RT: 11.028 min Scan# 1519  
Delta R.T. 0.006 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:284 Resp: 354277  
Ion Ratio Lower Upper  
284 100  
142 29.3 26.9 40.3  
249 30.6 25.3 37.9





#69

Atrazine

Concen: 57.414 ng

RT: 11.116 min Scan# 1534

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

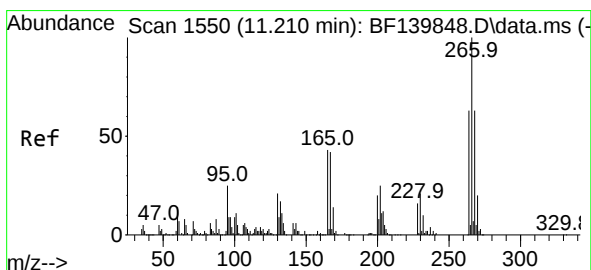
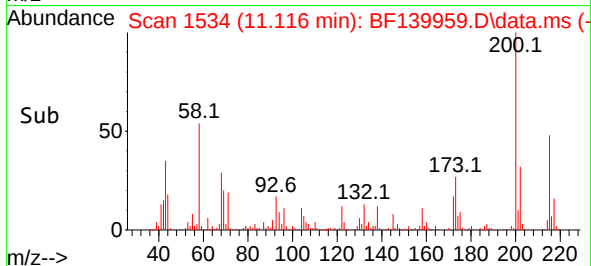
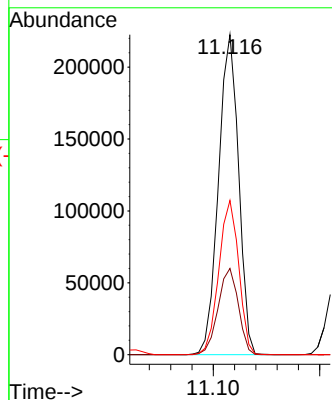
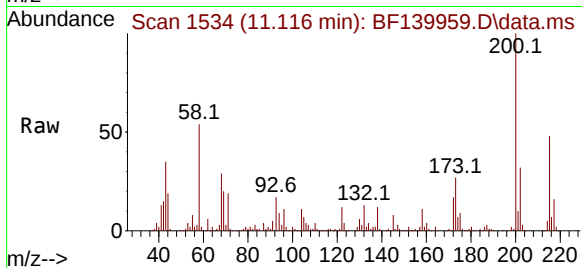
Tgt Ion:200 Resp: 291198

Ion Ratio Lower Upper

200 100

173 26.9 7.7 47.7

215 48.2 27.7 67.7



#70

Pentachlorophenol

Concen: 100.626 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

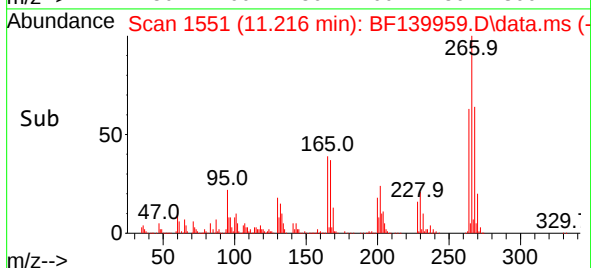
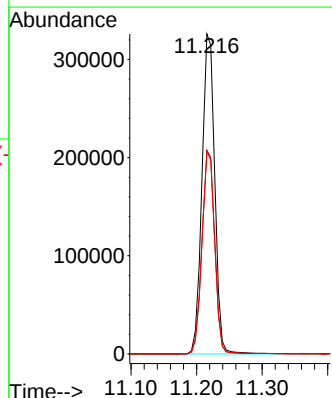
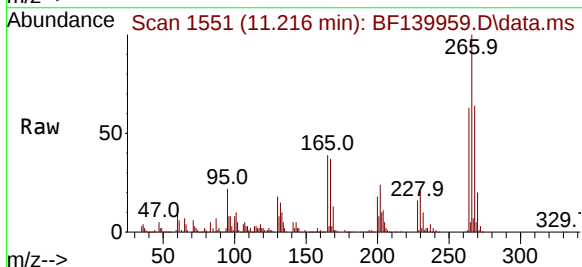
Tgt Ion:266 Resp: 442639

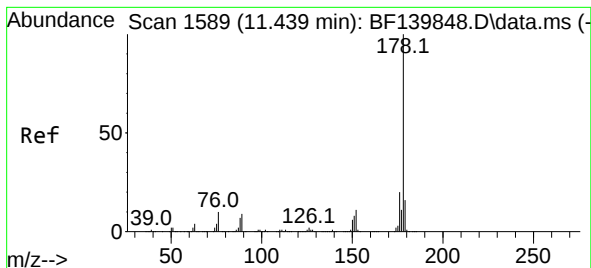
Ion Ratio Lower Upper

266 100

268 63.6 50.4 75.6

264 63.3 50.6 75.8





#71

Phenanthrene

Concen: 47.802 ng

RT: 11.445 min Scan# 1590

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

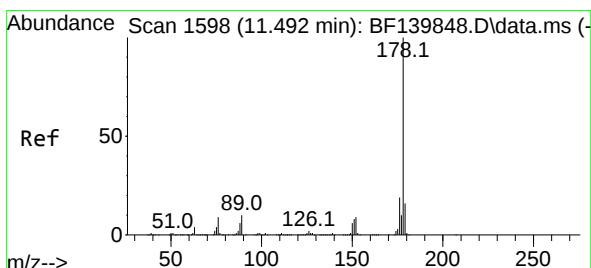
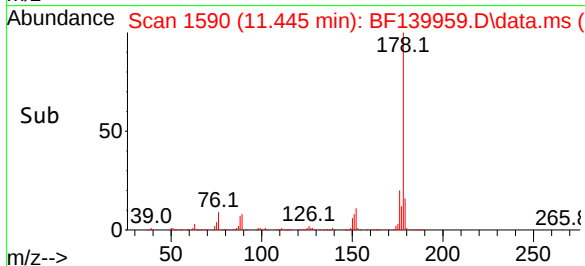
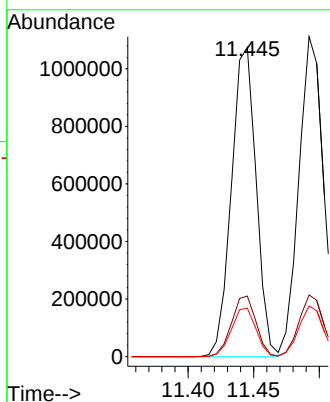
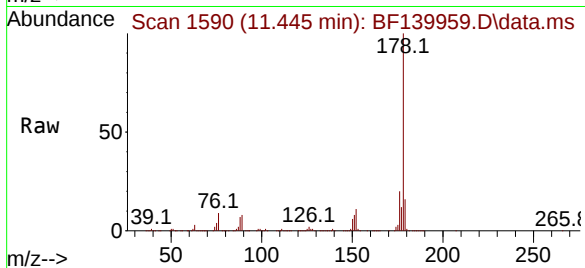
Tgt Ion:178 Resp: 1412519

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.7 12.6 18.8



#72

Anthracene

Concen: 49.620 ng

RT: 11.492 min Scan# 1598

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

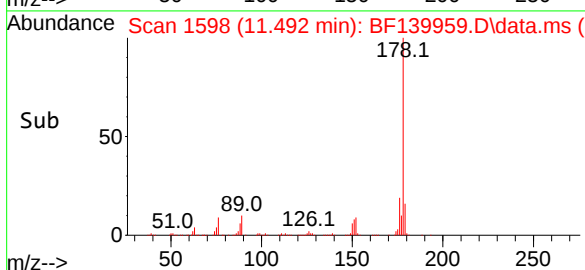
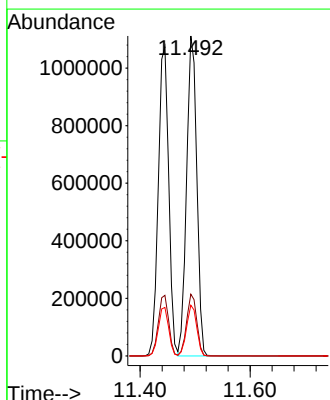
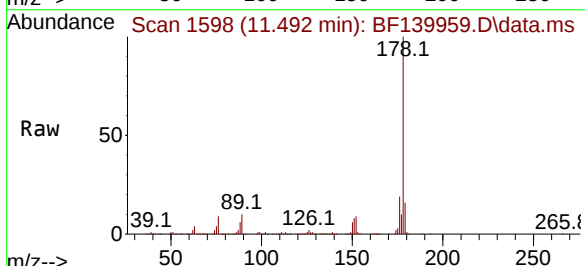
Tgt Ion:178 Resp: 1430590

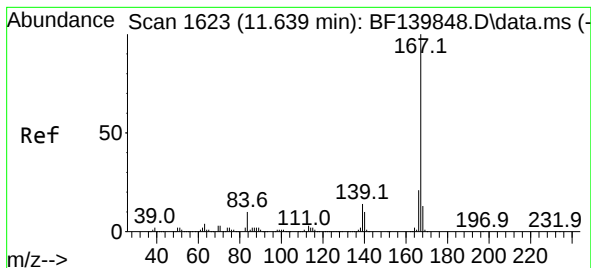
Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

179 15.9 12.4 18.6





#73

Carbazole

Concen: 46.786 ng

RT: 11.645 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

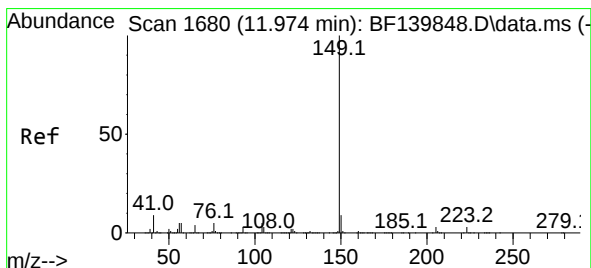
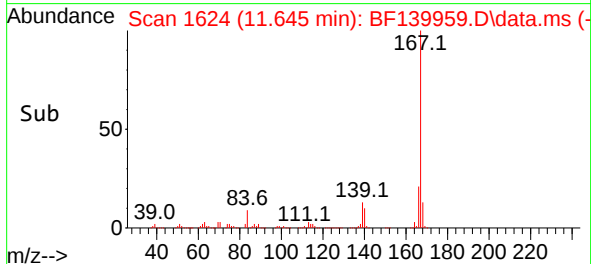
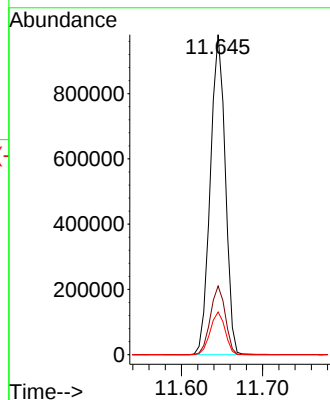
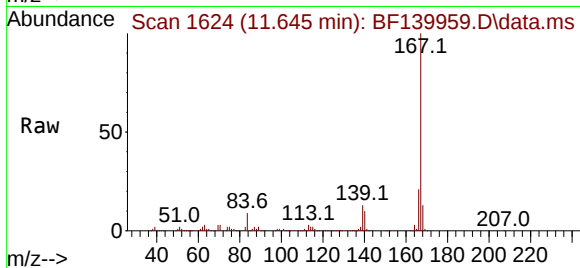
Tgt Ion:167 Resp: 1254503

Ion Ratio Lower Upper

167 100

166 21.4 17.0 25.6

139 13.4 10.8 16.2



#74

Di-n-butylphthalate

Concen: 48.640 ng

RT: 11.975 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

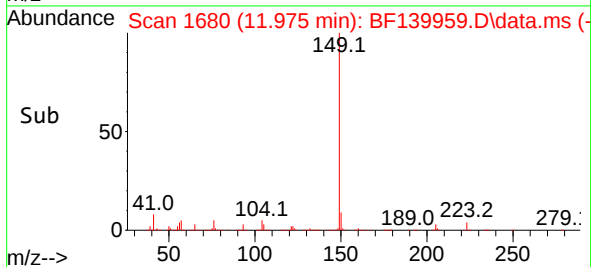
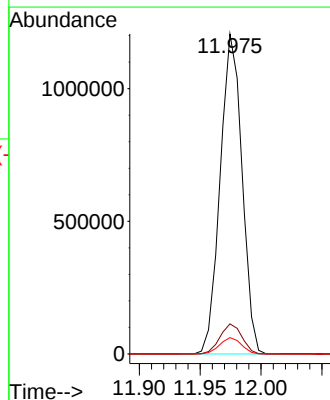
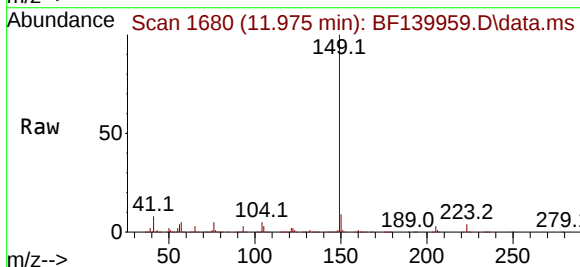
Tgt Ion:149 Resp: 1506787

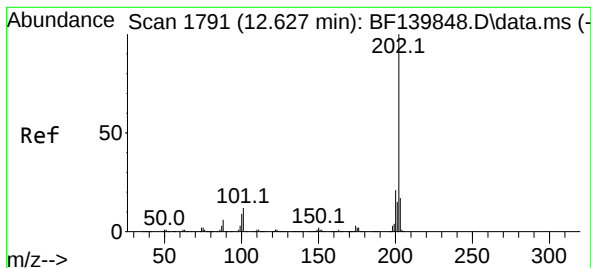
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 5.1 4.1 6.1





#75

Fluoranthene

Concen: 46.667 ng

RT: 12.627 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

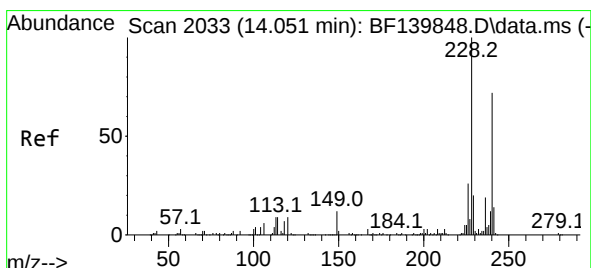
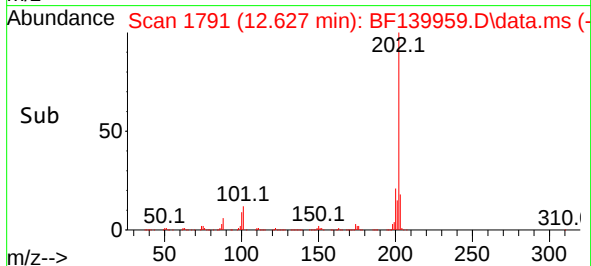
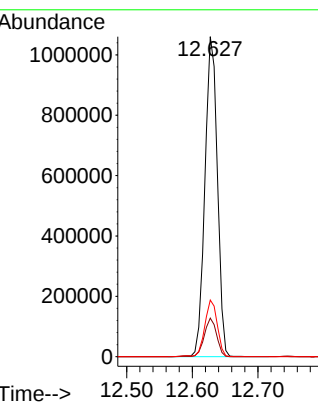
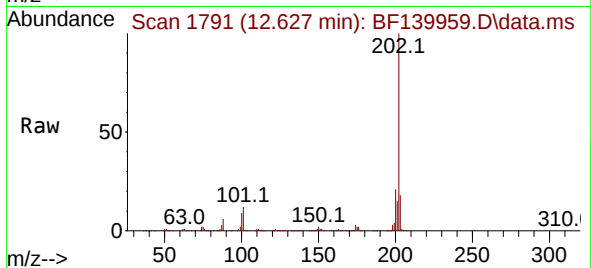
Tgt Ion:202 Resp: 1394053

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.9

203 17.7 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

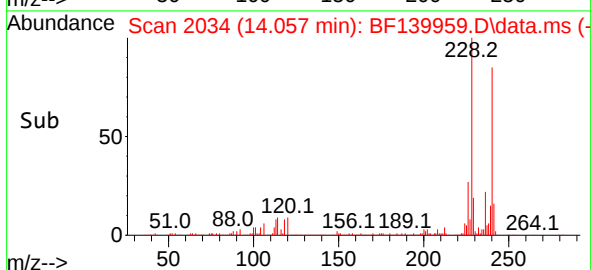
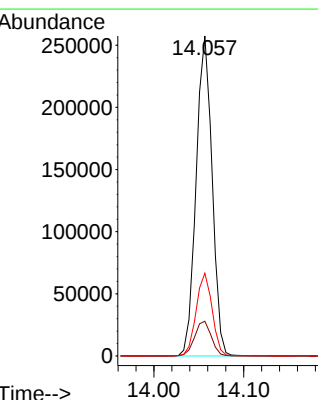
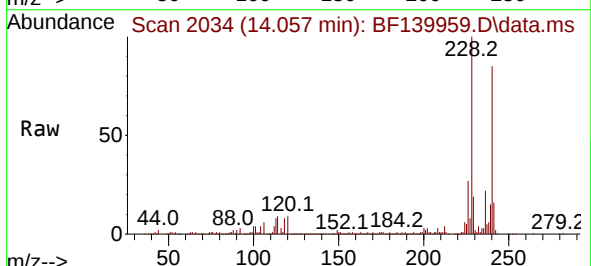
Tgt Ion:240 Resp: 318250

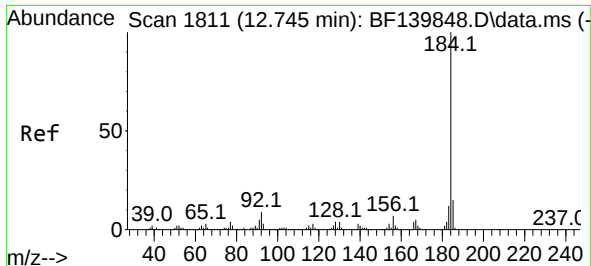
Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 25.8 20.9 31.3

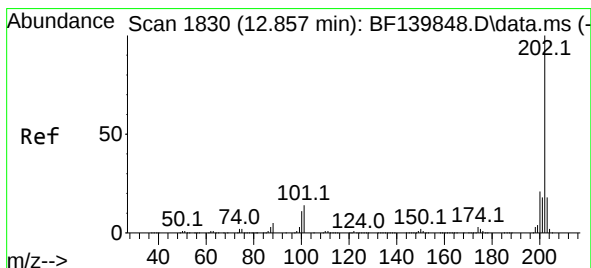
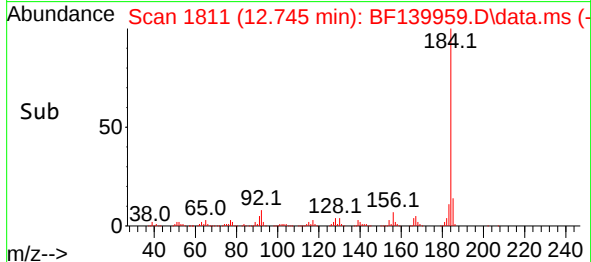
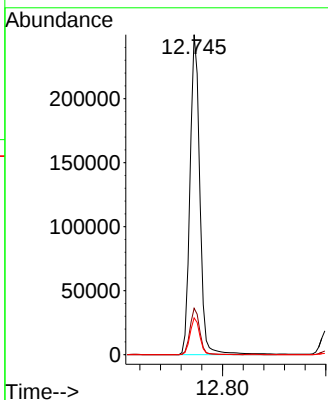
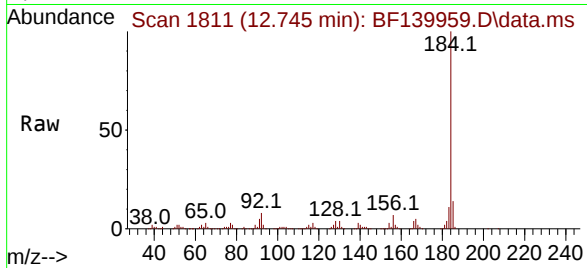




#77  
Benzidine  
Concen: 62.989 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

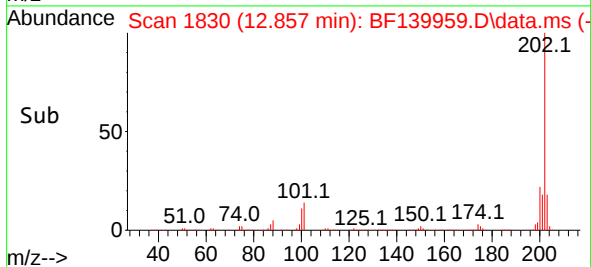
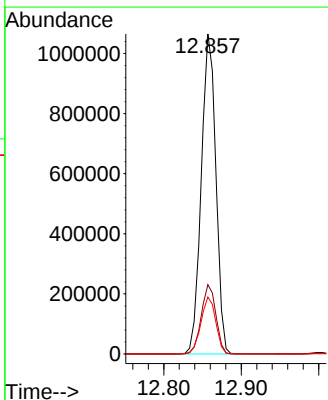
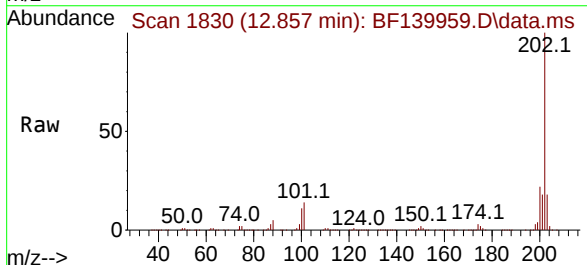
Instrument :  
BNA\_F  
ClientSampleId :  
PB164123BS

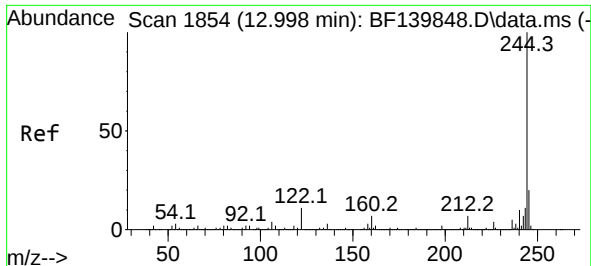
Tgt Ion:184 Resp: 329626  
Ion Ratio Lower Upper  
184 100  
185 14.5 12.0 18.0  
183 11.5 9.4 14.2



#78  
Pyrene  
Concen: 49.936 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139959.D  
Acq: 23 Oct 2024 12:39

Tgt Ion:202 Resp: 1391086  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.2 25.8  
203 17.8 14.2 21.4

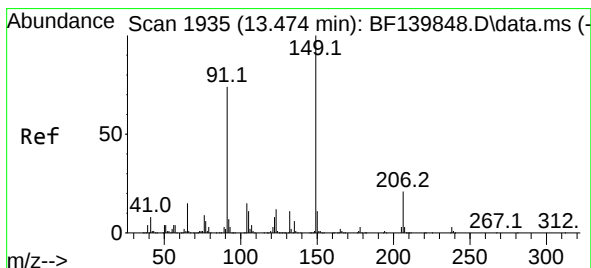
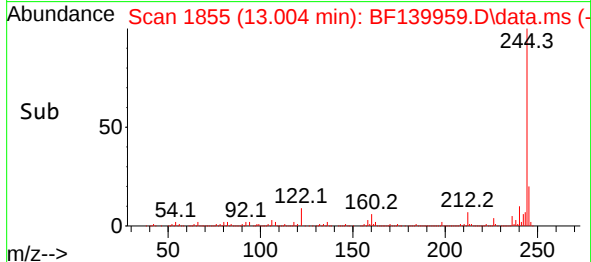
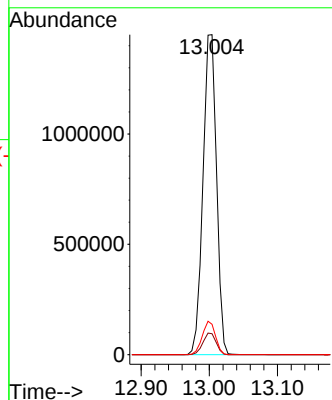
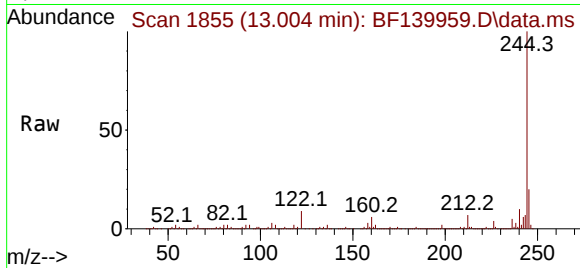




#79  
 Terphenyl-d14  
 Concen: 102.635 ng  
 RT: 13.004 min Scan# 1855  
 Delta R.T. 0.006 min  
 Lab File: BF139959.D  
 Acq: 23 Oct 2024 12:39

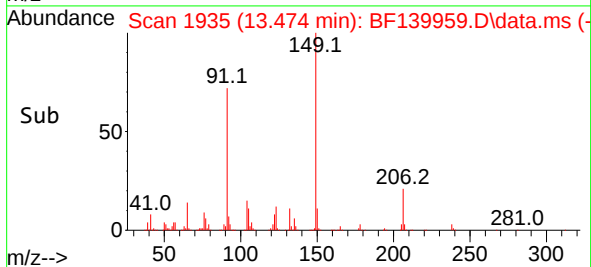
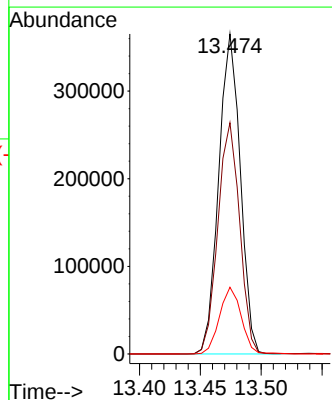
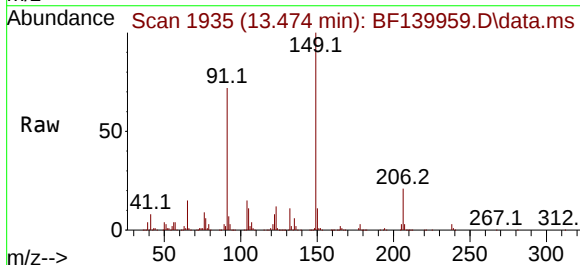
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB164123BS

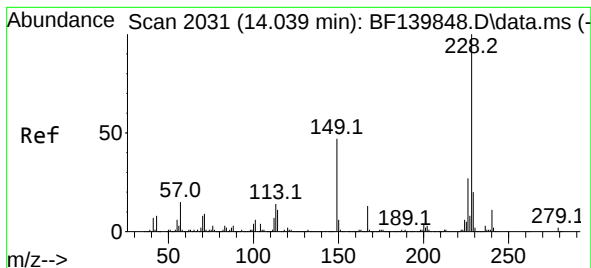
Tgt Ion:244 Resp: 2004549  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.7 8.5  
 122 9.5 8.6 13.0



#80  
 Butylbenzylphthalate  
 Concen: 54.043 ng  
 RT: 13.474 min Scan# 1935  
 Delta R.T. 0.000 min  
 Lab File: BF139959.D  
 Acq: 23 Oct 2024 12:39

Tgt Ion:149 Resp: 451349  
 Ion Ratio Lower Upper  
 149 100  
 91 72.3 59.4 89.2  
 206 20.8 16.4 24.6





#81

Benzo(a)anthracene

Concen: 50.317 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

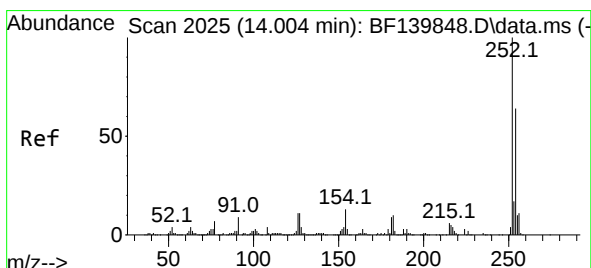
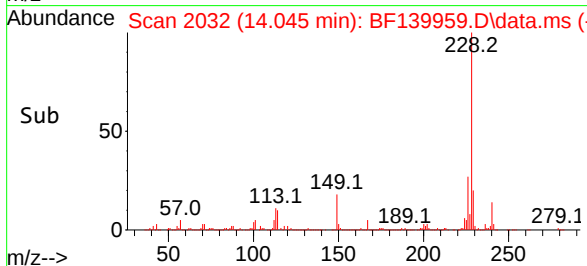
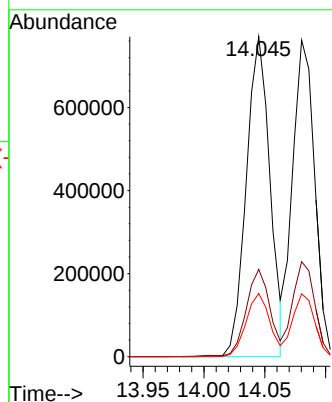
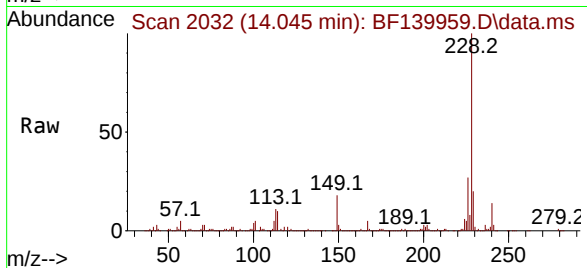
Tgt Ion:228 Resp: 1042409

Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

229 19.8 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 39.773 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

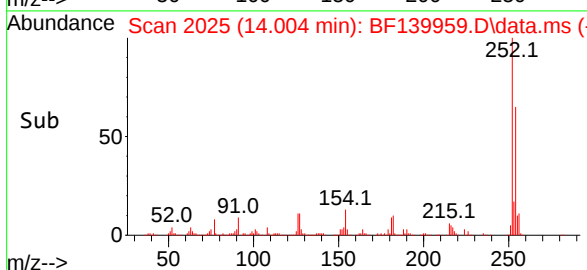
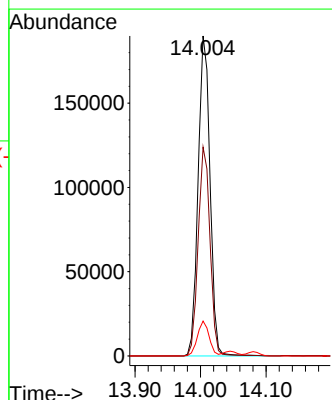
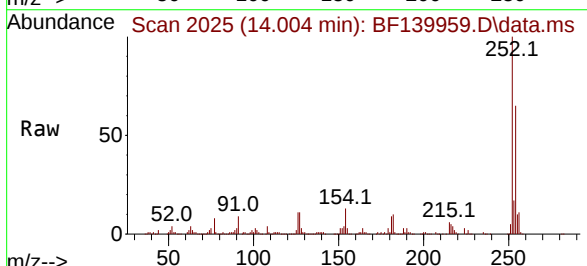
Tgt Ion:252 Resp: 240244

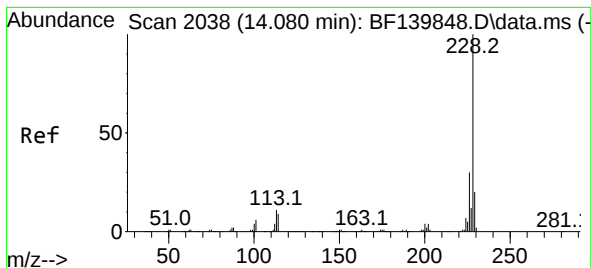
Ion Ratio Lower Upper

252 100

254 65.2 50.8 76.2

126 10.9 8.9 13.3





#83

Chrysene

Concen: 50.739 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

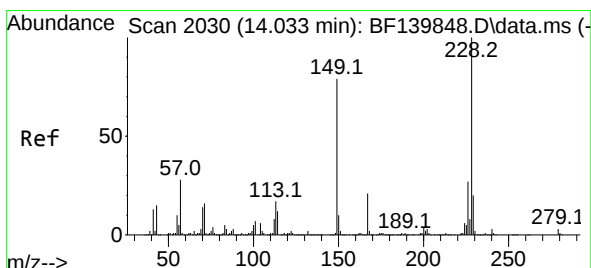
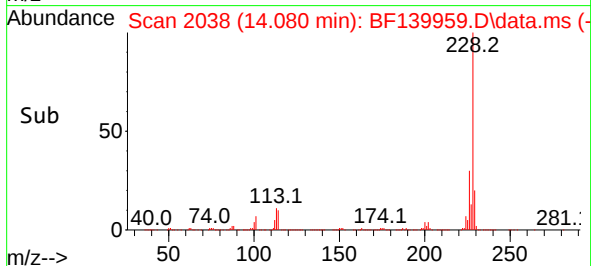
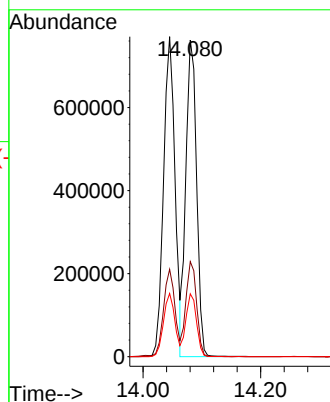
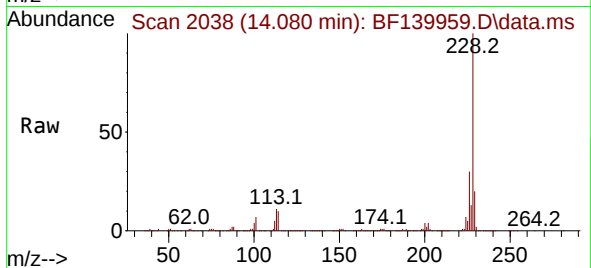
Tgt Ion:228 Resp: 963784

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.832 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

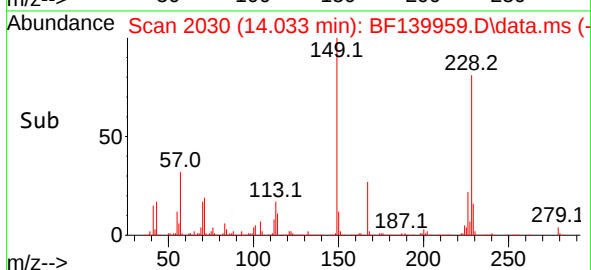
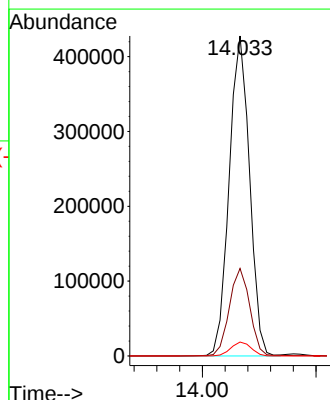
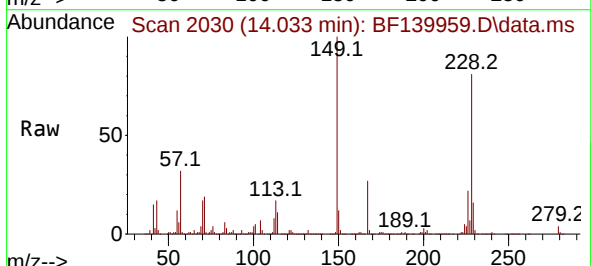
Tgt Ion:149 Resp: 532526

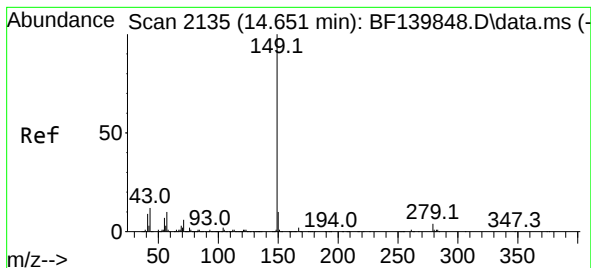
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.4 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 55.741 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

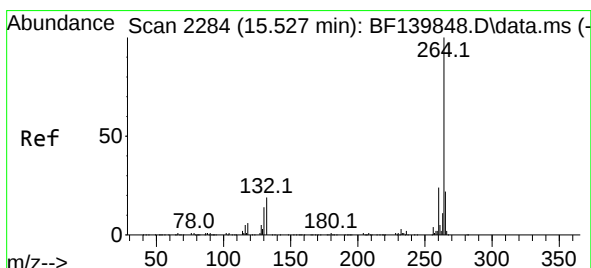
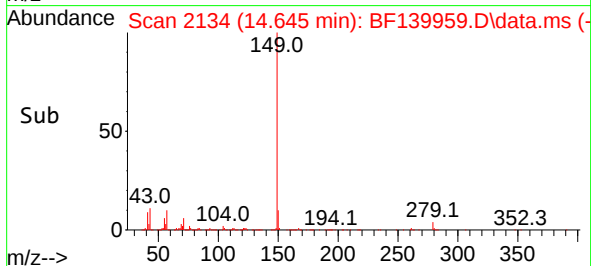
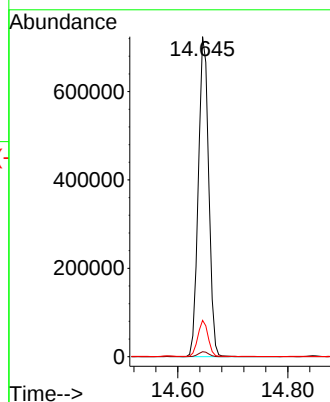
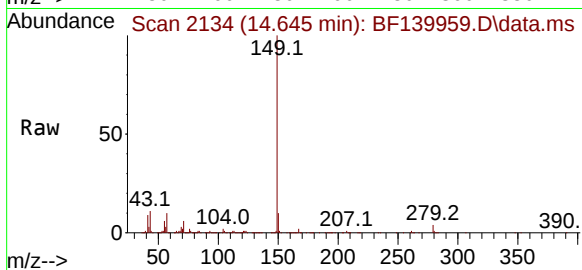
Tgt Ion:149 Resp: 950001

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 11.1 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

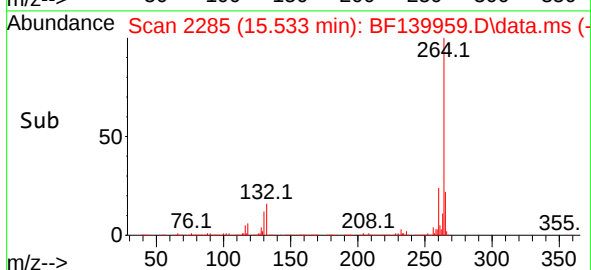
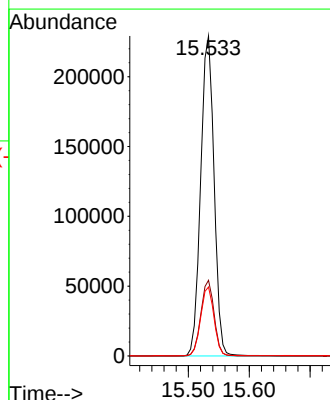
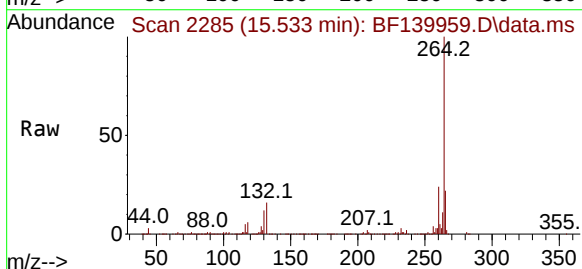
Tgt Ion:264 Resp: 349349

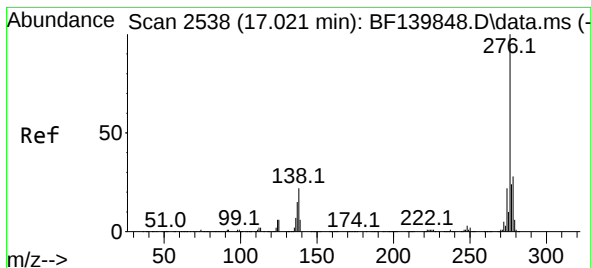
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.378 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

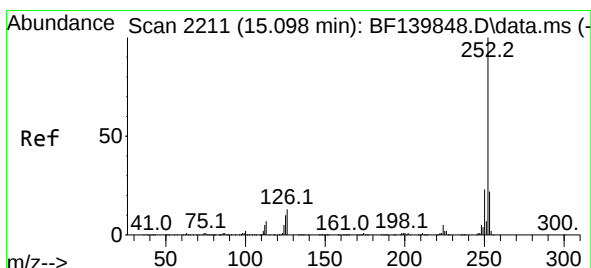
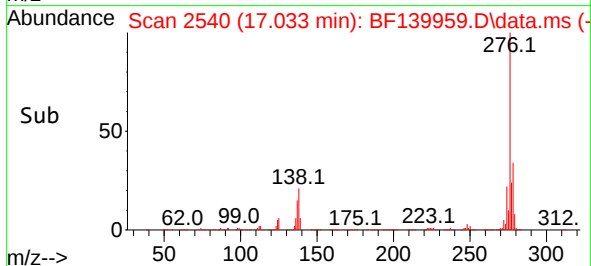
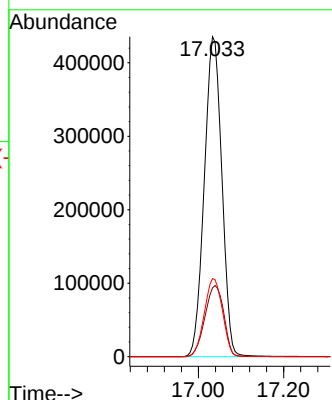
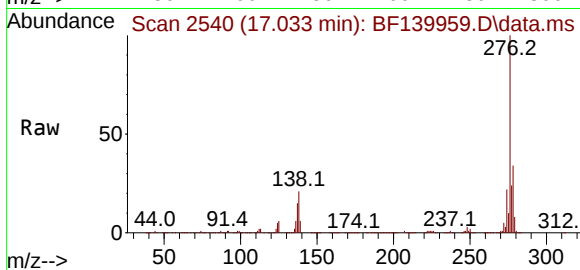
Tgt Ion:276 Resp: 1244594

Ion Ratio Lower Upper

276 100

138 24.0 20.4 30.6

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 49.941 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

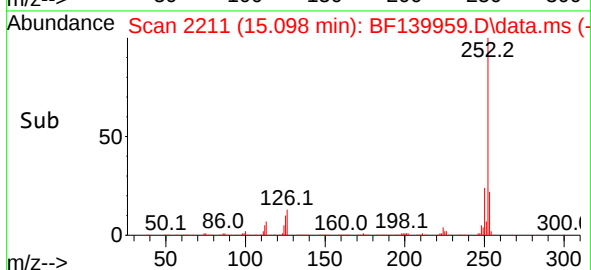
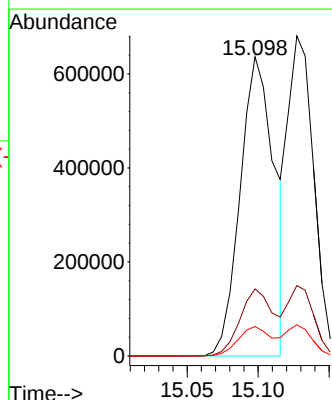
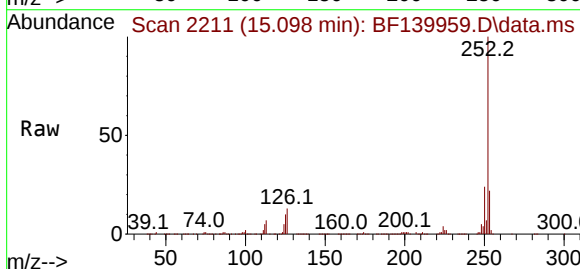
Tgt Ion:252 Resp: 1062781

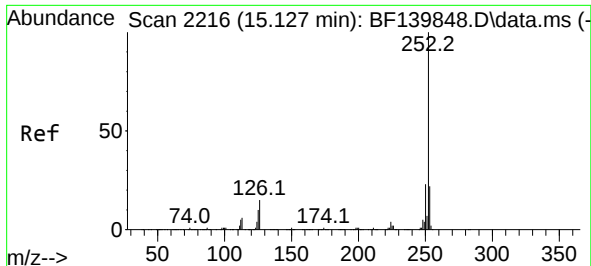
Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 9.9 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 47.112 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

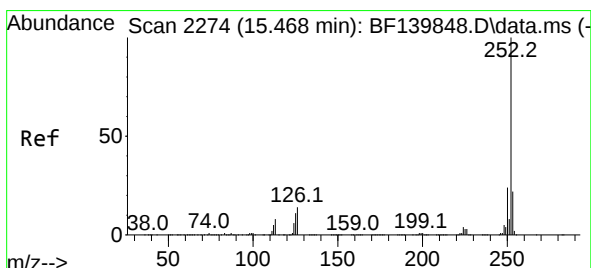
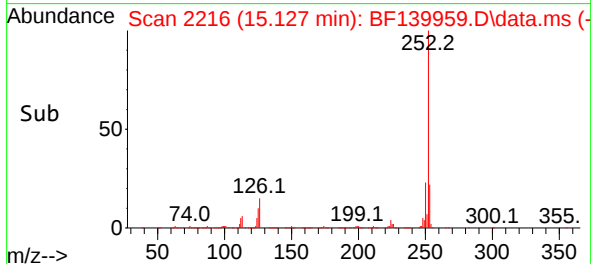
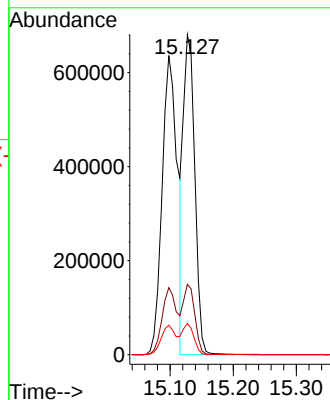
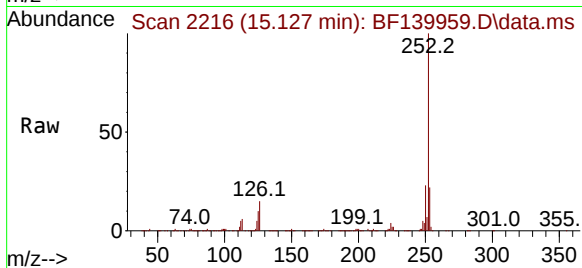
Tgt Ion:252 Resp: 864638

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

125 9.8 7.9 11.9



#90

Benzo(a)pyrene

Concen: 53.776 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

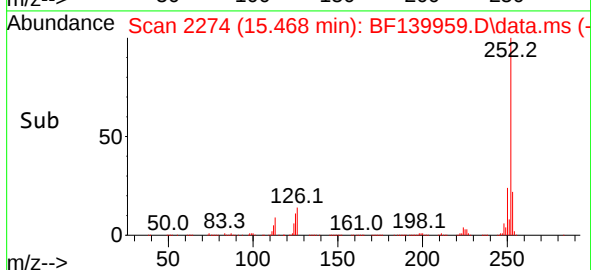
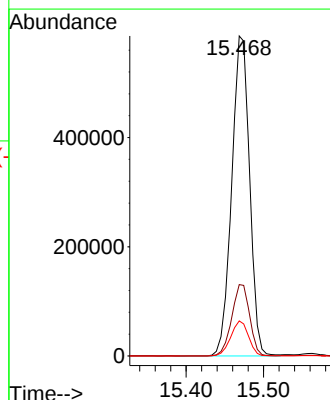
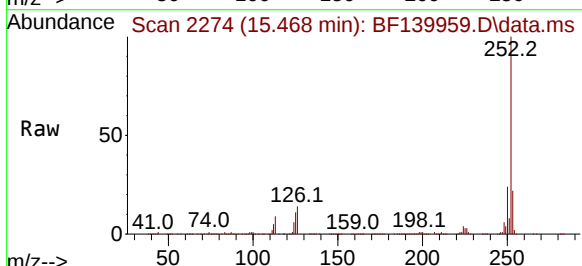
Tgt Ion:252 Resp: 941642

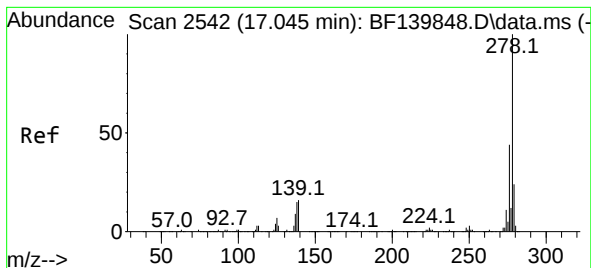
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

125 11.0 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 54.874 ng

RT: 17.057 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Instrument :

BNA\_F

ClientSampleId :

PB164123BS

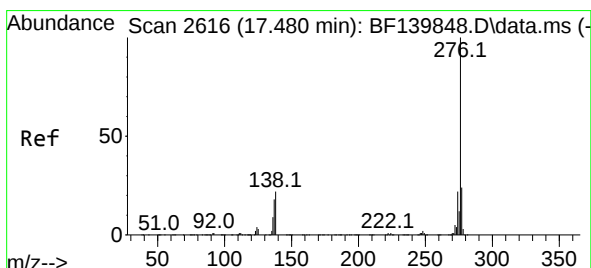
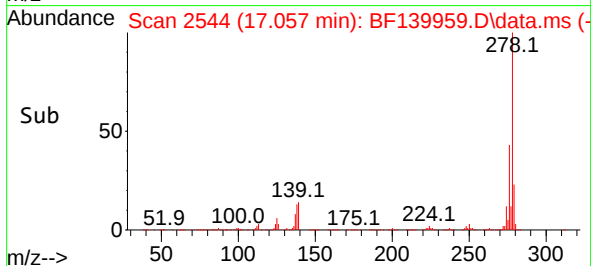
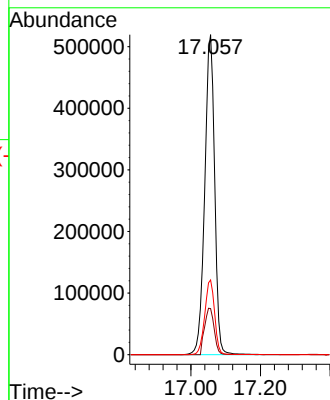
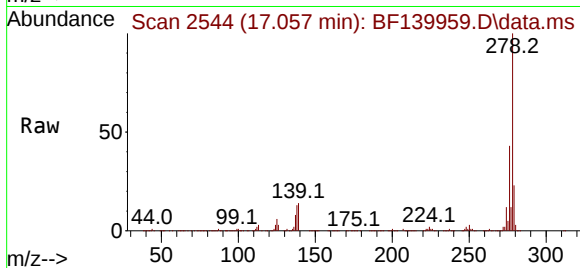
Tgt Ion:278 Resp: 1028811

Ion Ratio Lower Upper

278 100

139 14.4 13.1 19.7

279 23.3 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 50.984 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF139959.D

Acq: 23 Oct 2024 12:39

Tgt Ion:276 Resp: 954801

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 21.2 17.4 26.0

