

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101824\  
 Data File : BF139852.D  
 Acq On : 18 Oct 2024 14:19  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF101824

Quant Time: Oct 18 15:11:21 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  | 185684   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.175  | 136  | 705995   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.928  | 164  | 391362   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.416 | 188  | 685529   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.051 | 240  | 361675   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12          | 15.527 | 264  | 376682   | 20.000 | ng    | 0.00     |

|                             |        |     |         |        |    |      |
|-----------------------------|--------|-----|---------|--------|----|------|
| System Monitoring Compounds |        |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.498  | 112 | 954269  | 80.454 | ng | 0.00 |
| 7) Phenol-d6                | 6.510  | 99  | 1223767 | 79.662 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.451  | 82  | 1069263 | 83.942 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.716 | 330 | 294270  | 80.387 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.251  | 172 | 1825942 | 77.108 | ng | 0.00 |
| 79) Terphenyl-d14           | 12.998 | 244 | 1768377 | 79.672 | ng | 0.00 |

|                               |       |     |         |        |        |
|-------------------------------|-------|-----|---------|--------|--------|
| Target Compounds              |       |     |         |        | Qvalue |
| 2) 1,4-Dioxane                | 2.681 | 88  | 224831  | 40.655 | ng 98  |
| 3) Pyridine                   | 3.440 | 79  | 561874  | 40.990 | ng 99  |
| 4) n-Nitrosodimethylamine     | 3.393 | 42  | 300073  | 40.744 | ng 99  |
| 6) Aniline                    | 6.551 | 93  | 589709  | 41.189 | ng 100 |
| 8) 2-Chlorophenol             | 6.675 | 128 | 491884  | 40.566 | ng 99  |
| 9) Benzaldehyde               | 6.439 | 77  | 365688  | 42.315 | ng 99  |
| 10) Phenol                    | 6.522 | 94  | 664875  | 41.981 | ng 100 |
| 11) bis(2-Chloroethyl)ether   | 6.628 | 93  | 494696  | 40.412 | ng 99  |
| 12) 1,3-Dichlorobenzene       | 6.834 | 146 | 555036  | 39.876 | ng 99  |
| 13) 1,4-Dichlorobenzene       | 6.910 | 146 | 563454  | 40.518 | ng 99  |
| 14) 1,2-Dichlorobenzene       | 7.063 | 146 | 519617  | 40.036 | ng 99  |
| 15) Benzyl Alcohol            | 7.028 | 79  | 455398  | 40.413 | ng 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.163 | 45  | 837897  | 40.143 | ng 99  |
| 17) 2-Methylphenol            | 7.134 | 107 | 416428  | 40.275 | ng 100 |
| 18) Hexachloroethane          | 7.404 | 117 | 201539  | 40.641 | ng 99  |
| 19) n-Nitroso-di-n-propyla... | 7.304 | 70  | 363085  | 38.970 | ng 100 |
| 20) 3+4-Methylphenols         | 7.287 | 107 | 533567  | 40.345 | ng 99  |
| 22) Acetophenone              | 7.298 | 105 | 686925  | 39.725 | ng 100 |
| 24) Nitrobenzene              | 7.475 | 77  | 574723  | 41.151 | ng 100 |
| 25) Isophorone                | 7.710 | 82  | 962286  | 39.802 | ng 100 |
| 26) 2-Nitrophenol             | 7.786 | 139 | 234381  | 44.485 | ng 99  |
| 27) 2,4-Dimethylphenol        | 7.816 | 122 | 353803  | 40.272 | ng 99  |
| 28) bis(2-Chloroethoxy)met... | 7.922 | 93  | 584598  | 39.910 | ng 100 |
| 29) 2,4-Dichlorophenol        | 8.022 | 162 | 406522  | 40.625 | ng 99  |
| 30) 1,2,4-Trichlorobenzene    | 8.110 | 180 | 444541  | 40.148 | ng 98  |
| 31) Naphthalene               | 8.198 | 128 | 1444387 | 39.669 | ng 100 |
| 32) Benzoic acid              | 7.922 | 122 | 333354  | 43.504 | ng 97  |
| 33) 4-Chloroaniline           | 8.239 | 127 | 495071  | 39.875 | ng 99  |
| 34) Hexachlorobutadiene       | 8.316 | 225 | 283496  | 40.749 | ng 99  |
| 35) Caprolactam               | 8.610 | 113 | 131324  | 41.273 | ng 99  |
| 36) 4-Chloro-3-methylphenol   | 8.710 | 107 | 450171  | 40.628 | ng 100 |
| 37) 2-Methylnaphthalene       | 8.886 | 142 | 891280  | 39.969 | ng 100 |
| 38) 1-Methylnaphthalene       | 8.986 | 142 | 860907  | 39.350 | ng 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.051 | 216 | 420934  | 39.867 | ng 100 |
| 41) Hexachlorocyclopentadiene | 9.039 | 237 | 143384  | 39.029 | ng 100 |
| 43) 2,4,6-Trichlorophenol     | 9.157 | 196 | 299815  | 40.108 | ng 99  |

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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

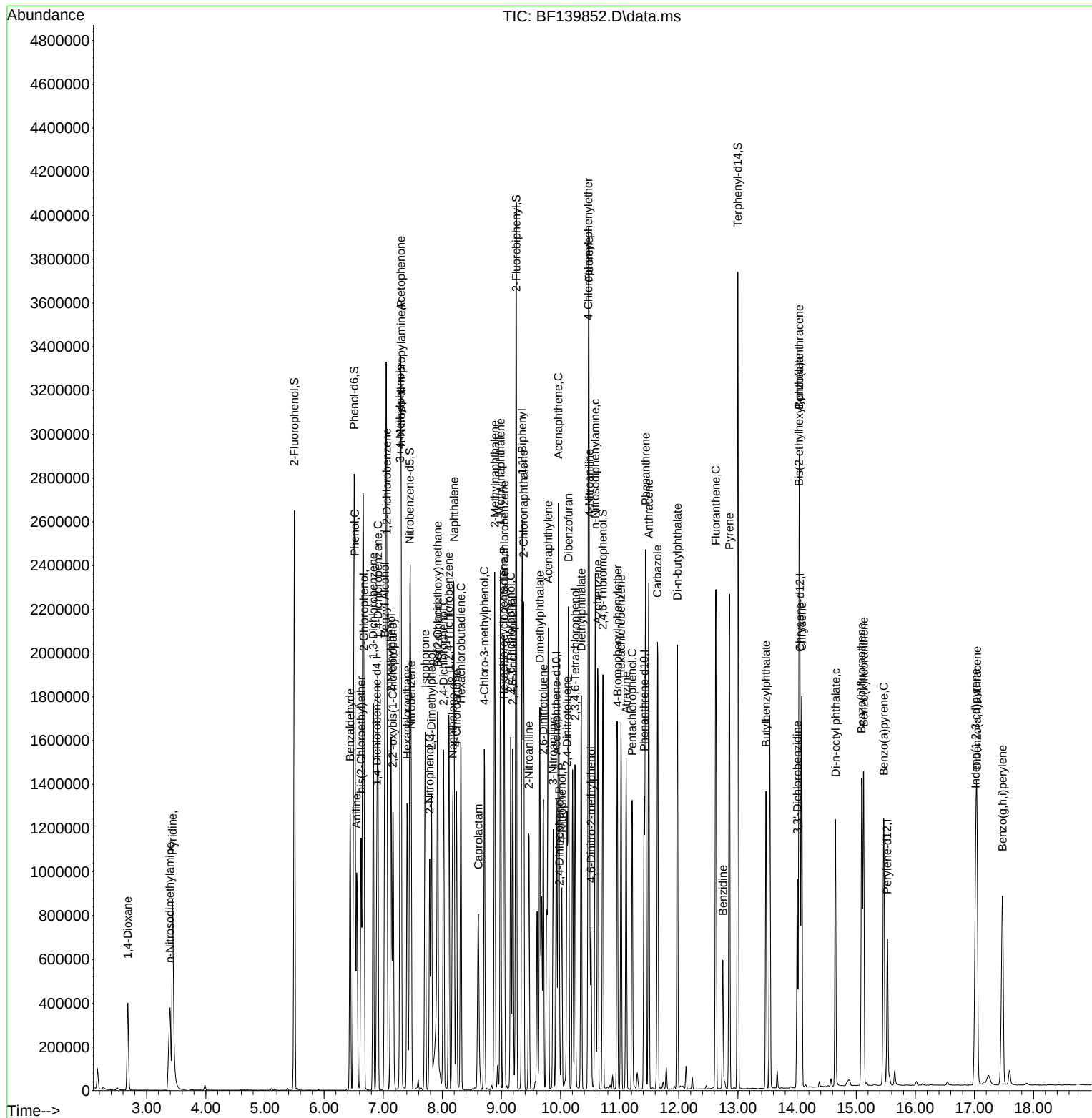
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 314003   | 40.714 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1062376  | 38.994 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.375  | 162  | 864651   | 39.404 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.463  | 65   | 292212   | 43.541 | ng    | 100      |
| 49) Acenaphthylene            | 9.792  | 152  | 1266635  | 39.928 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 978306   | 40.132 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 223823   | 42.406 | ng    | 99       |
| 52) Acenaphthene              | 9.963  | 154  | 818311   | 39.876 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.875  | 138  | 232990   | 42.805 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 79725    | 39.916 | ng    | # 7      |
| 55) Dibenzofuran              | 10.133 | 168  | 1163603  | 39.520 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 178570   | 42.642 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.110 | 165  | 285866   | 44.042 | ng    | 99       |
| 58) Fluorene                  | 10.480 | 166  | 868885   | 38.745 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232  | 241263   | 39.905 | ng    | 99       |
| 60) Diethylphthalate          | 10.351 | 149  | 946050   | 39.526 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 441230   | 38.960 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 217955   | 42.398 | ng    | 98       |
| 63) Azobenzene                | 10.627 | 77   | 1004700  | 39.595 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 120185   | 42.981 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 802382   | 39.107 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 281088   | 39.802 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.022 | 284  | 309865   | 39.013 | ng    | 98       |
| 69) Atrazine                  | 11.110 | 200  | 240210   | 43.219 | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 202652   | 42.040 | ng    | 99       |
| 71) Phenanthrene              | 11.439 | 178  | 1252089  | 38.667 | ng    | 100      |
| 72) Anthracene                | 11.492 | 178  | 1245292  | 39.415 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 1145479  | 38.984 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.974 | 149  | 1382523  | 40.725 | ng    | 100      |
| 75) Fluoranthene              | 12.627 | 202  | 1273839  | 38.914 | ng    | 100      |
| 77) Benzidine                 | 12.745 | 184  | 301541   | 50.703 | ng    | 100      |
| 78) Pyrene                    | 12.857 | 202  | 1275659  | 40.294 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.474 | 149  | 408717   | 43.062 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 952915   | 40.474 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 276886   | 40.335 | ng    | 99       |
| 83) Chrysene                  | 14.080 | 228  | 834741   | 38.669 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149  | 457578   | 42.970 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 790368   | 40.806 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.021 | 276  | 983536   | 40.587 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 914611   | 39.860 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.127 | 252  | 792298   | 40.037 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.468 | 252  | 770397   | 40.804 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.045 | 278  | 818608   | 40.494 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.474 | 276  | 806660   | 39.948 | ng    | 99       |

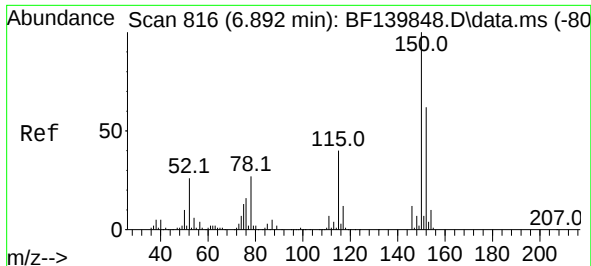
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
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Instrument :  
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QLast Update : Fri Oct 18 15:07:50 2024  
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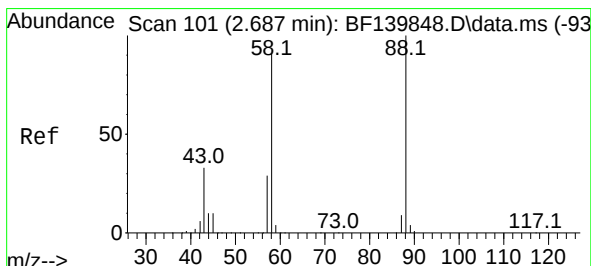
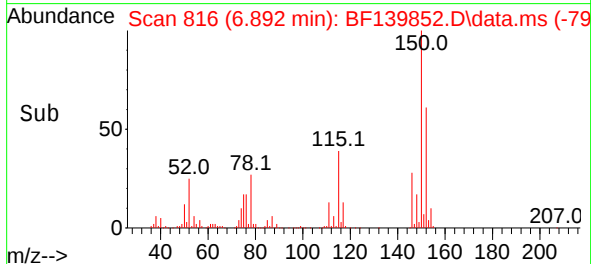
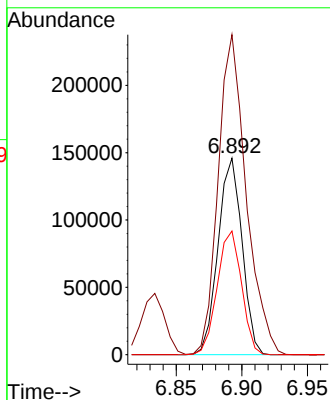
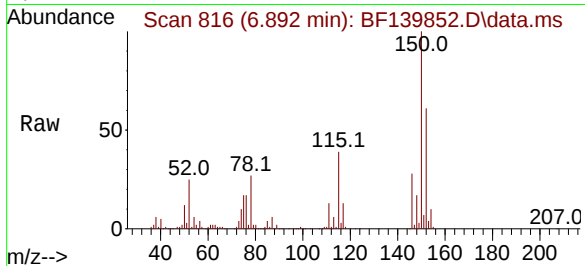




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

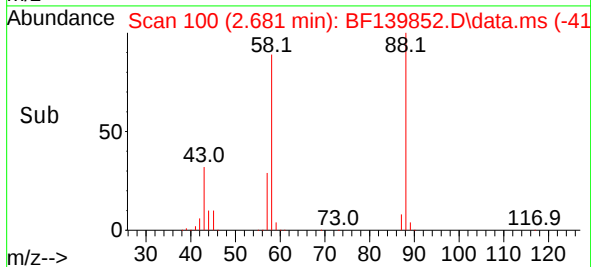
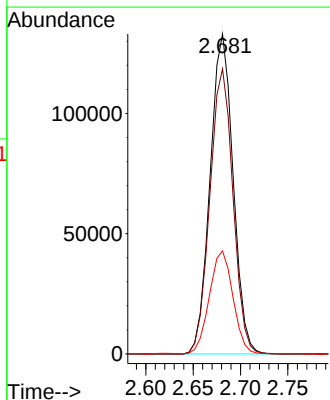
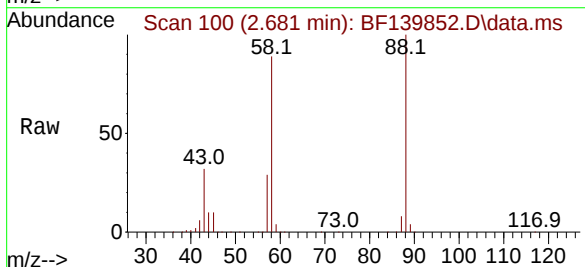
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

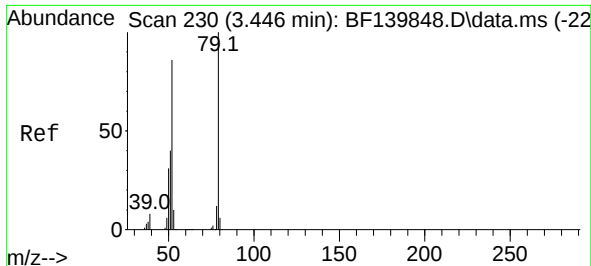
Tgt Ion:152 Resp: 185684  
Ion Ratio Lower Upper  
152 100  
150 162.9 130.2 195.2  
115 62.9 51.4 77.2



#2  
1,4-Dioxane  
Concen: 40.655 ng  
RT: 2.681 min Scan# 100  
Delta R.T. -0.006 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion: 88 Resp: 224831  
Ion Ratio Lower Upper  
88 100  
58 89.3 73.3 109.9  
43 33.0 27.1 40.7





#3

Pyridine

Concen: 40.990 ng

RT: 3.440 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

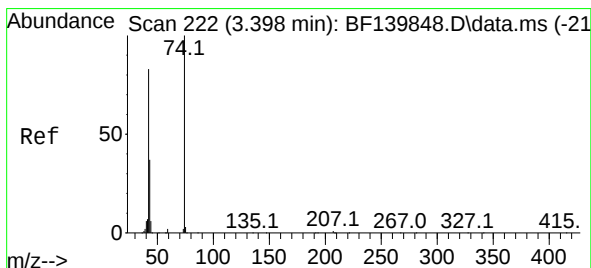
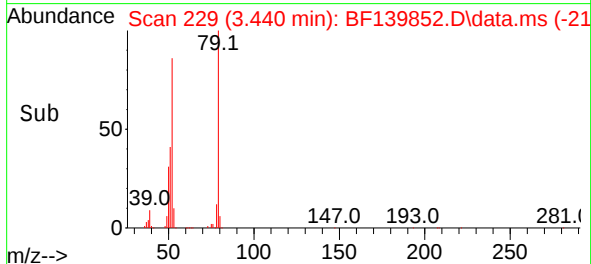
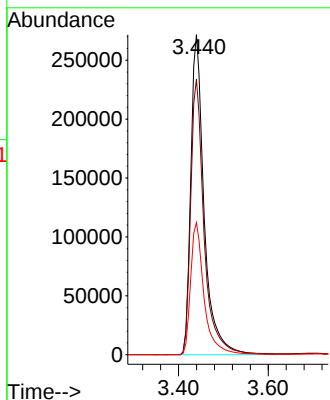
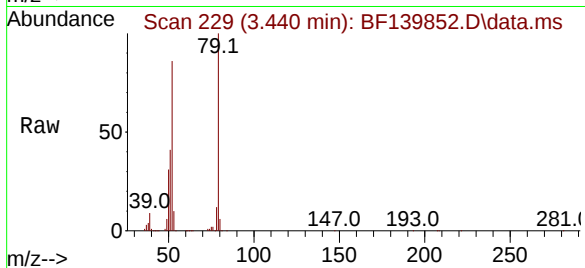
Tgt Ion: 79 Resp: 561874

Ion Ratio Lower Upper

79 100

52 86.2 68.5 102.7

51 41.3 32.3 48.5



#4

n-Nitrosodimethylamine

Concen: 40.744 ng

RT: 3.393 min Scan# 221

Delta R.T. -0.006 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

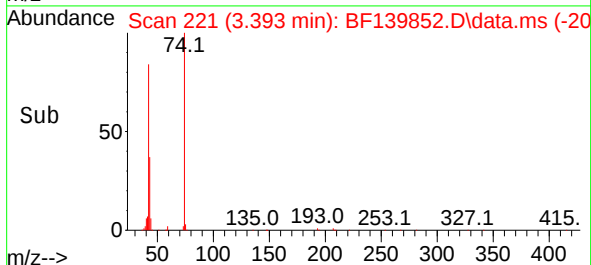
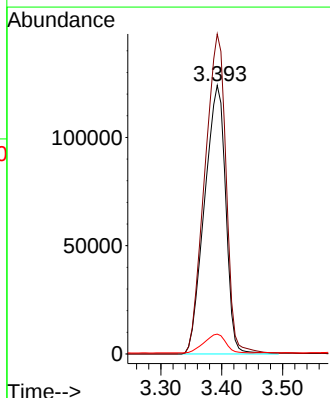
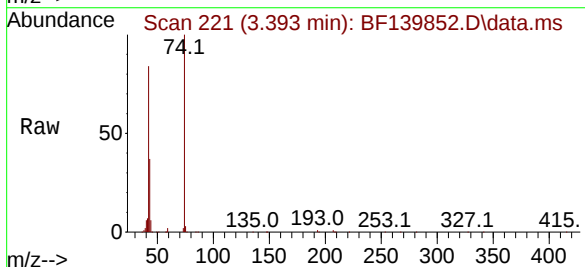
Tgt Ion: 42 Resp: 300073

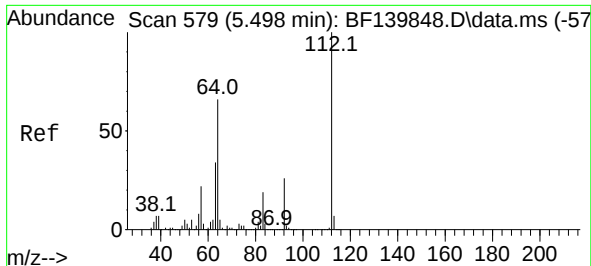
Ion Ratio Lower Upper

42 100

74 119.1 96.2 144.4

44 7.4 6.2 9.2

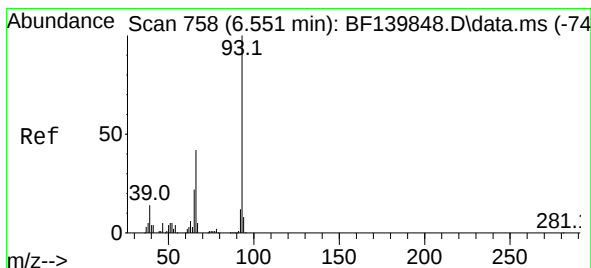
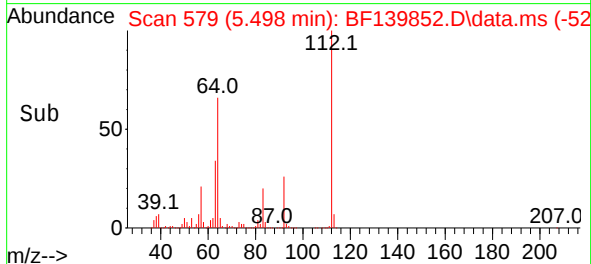
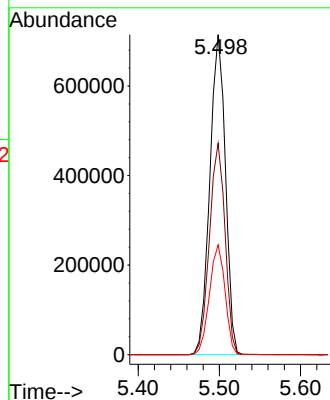
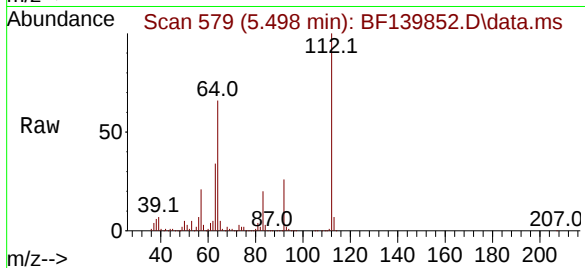




#5  
2-Fluorophenol  
Concen: 80.454 ng  
RT: 5.498 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

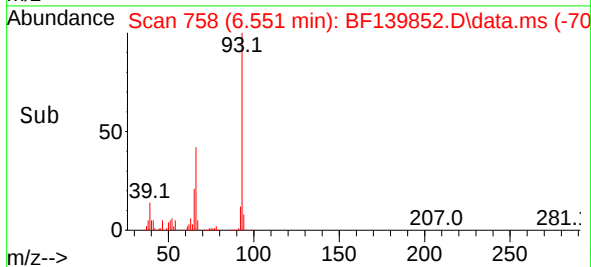
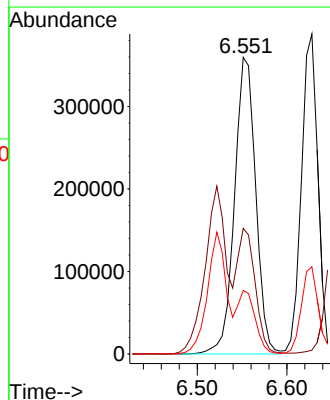
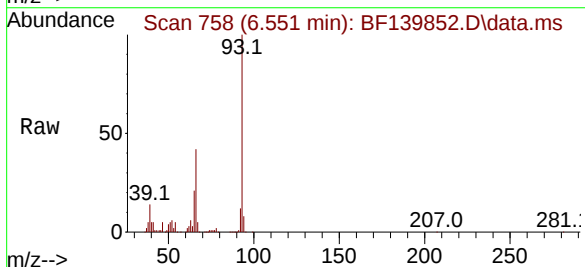
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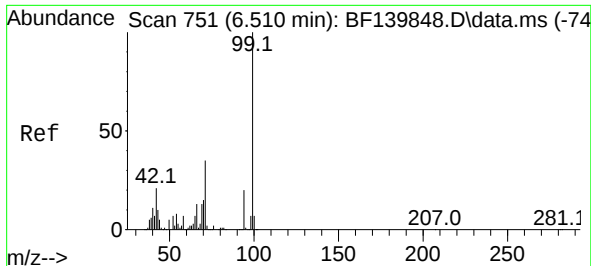
Tgt Ion:112 Resp: 954269  
Ion Ratio Lower Upper  
112 100  
64 66.1 53.0 79.6  
63 34.3 27.0 40.4



#6  
Aniline  
Concen: 41.189 ng  
RT: 6.551 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion: 93 Resp: 589709  
Ion Ratio Lower Upper  
93 100  
66 42.3 34.0 51.0  
65 21.4 17.4 26.0

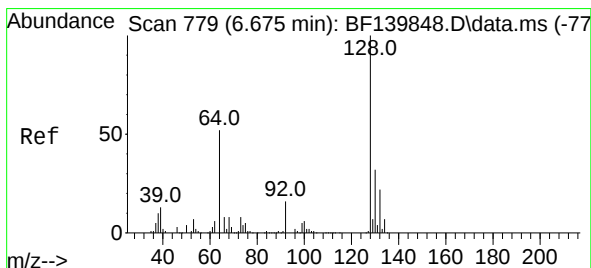
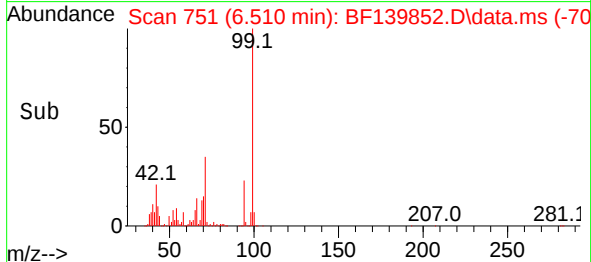
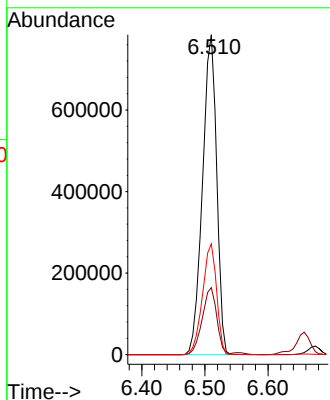
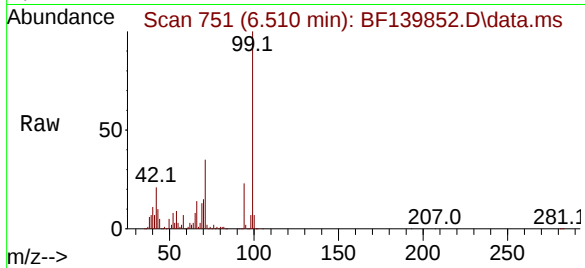




#7  
Phenol-d6  
Concen: 79.662 ng  
RT: 6.510 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

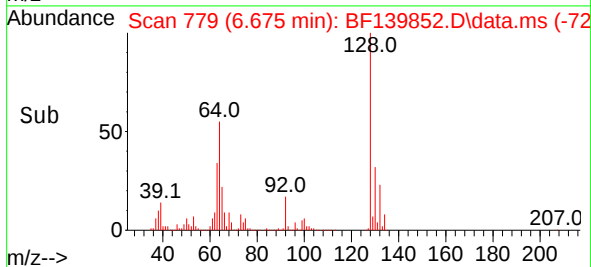
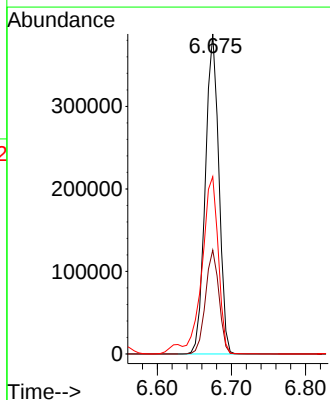
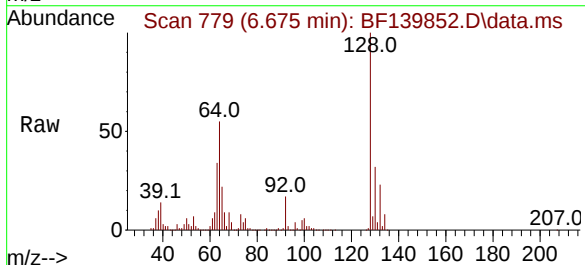
Instrument :  
BNA\_F  
ClientSampleId :  
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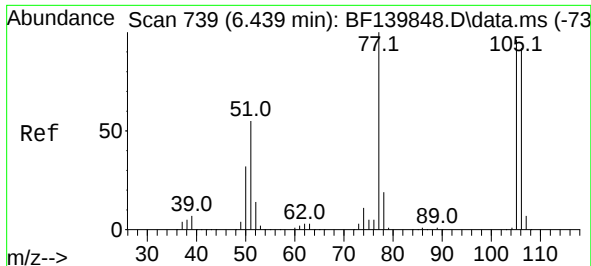
Tgt Ion: 99 Resp: 1223767  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.7 25.1  
71 34.6 27.7 41.5



#8  
2-Chlorophenol  
Concen: 40.566 ng  
RT: 6.675 min Scan# 779  
Delta R.T. 0.000 min  
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Tgt Ion: 128 Resp: 491884  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.3 52.3  
64 55.4 34.6 74.6

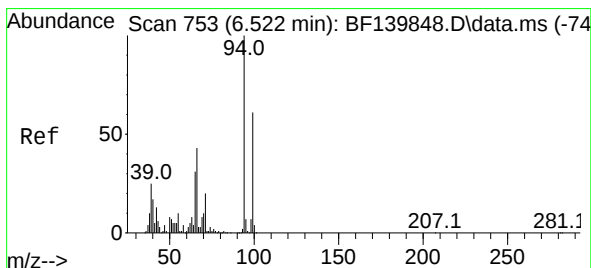
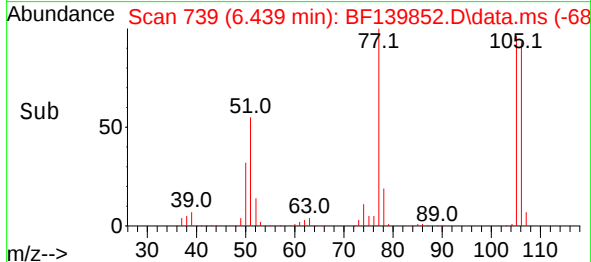
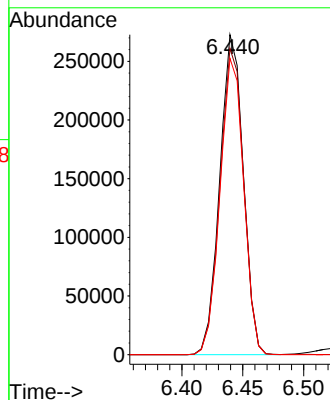
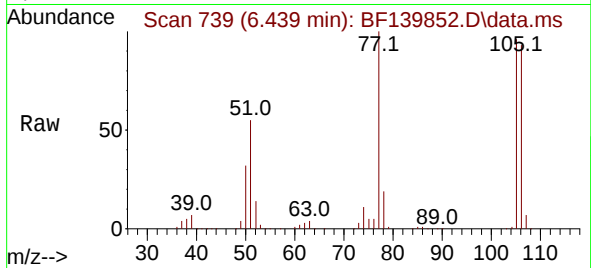




#9  
Benzaldehyde  
Concen: 42.315 ng  
RT: 6.439 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

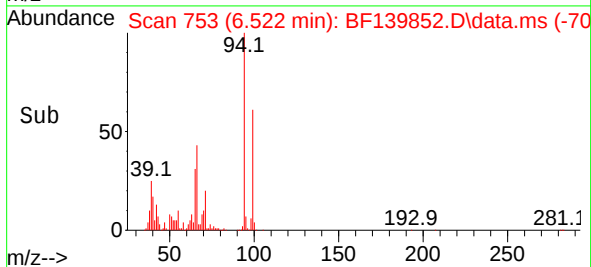
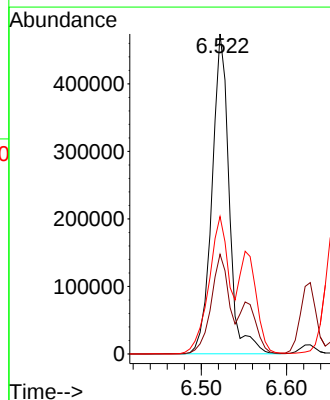
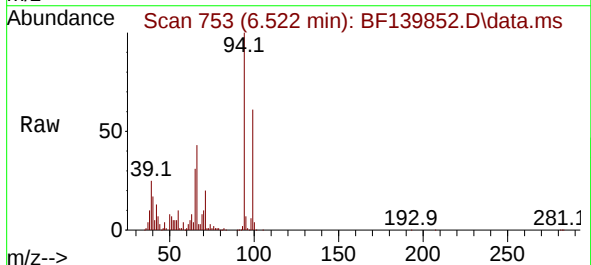
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

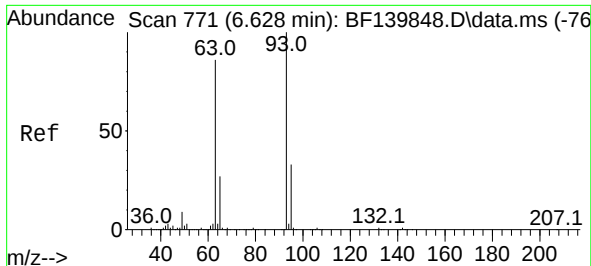
Tgt Ion: 77 Resp: 365688  
Ion Ratio Lower Upper  
77 100  
105 95.7 75.5 115.5  
106 92.6 71.7 111.7



#10  
Phenol  
Concen: 41.981 ng  
RT: 6.522 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion: 94 Resp: 664875  
Ion Ratio Lower Upper  
94 100  
65 31.1 11.1 51.1  
66 43.0 22.7 62.7

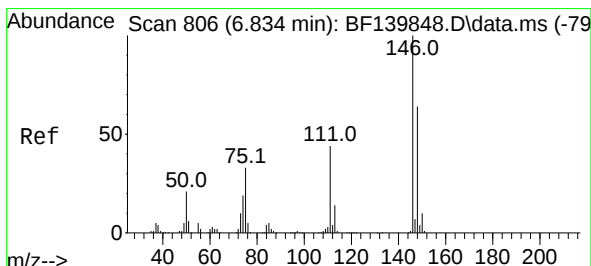
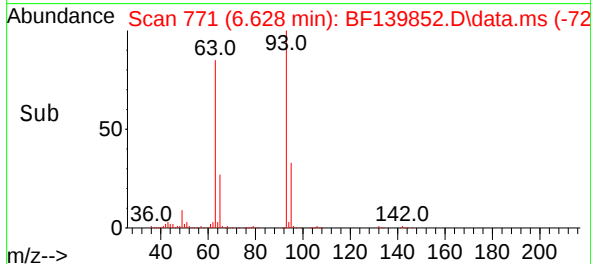
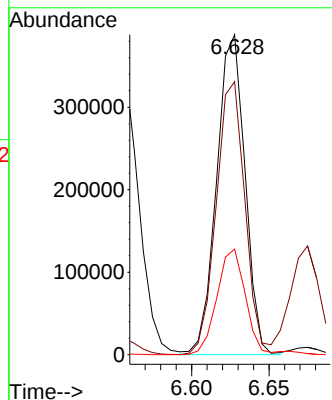
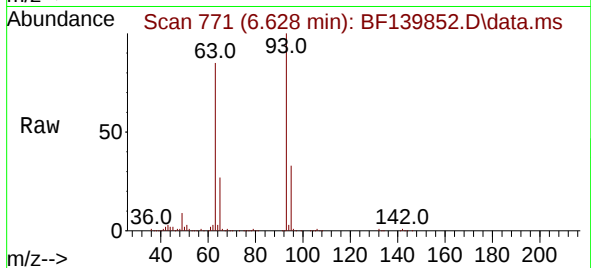




#11  
bis(2-Chloroethyl)ether  
Concen: 40.412 ng  
RT: 6.628 min Scan# 771  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

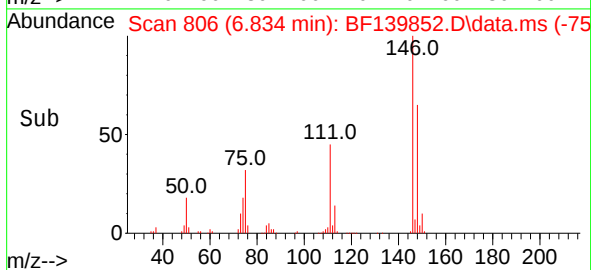
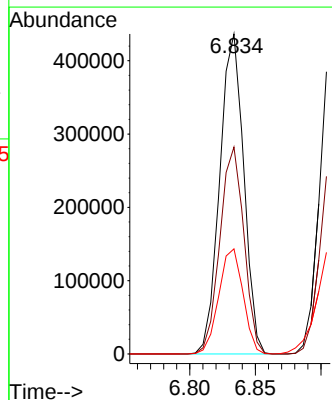
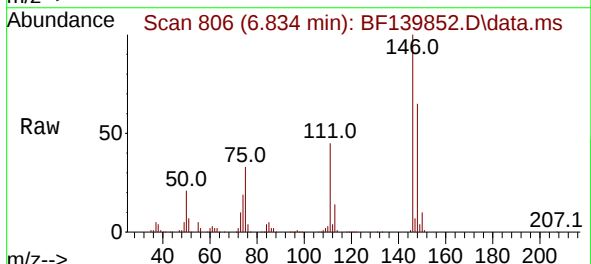
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

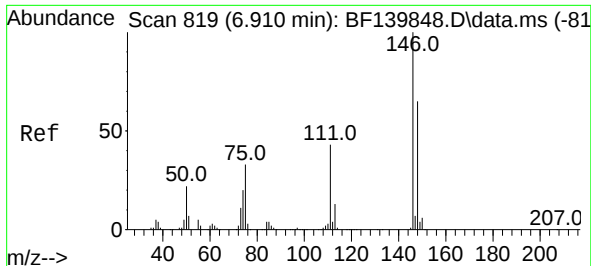
Tgt Ion: 93 Resp: 494696  
Ion Ratio Lower Upper  
93 100  
63 85.3 65.0 105.0  
95 33.0 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 39.876 ng  
RT: 6.834 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:146 Resp: 555036  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.0 76.4  
75 32.9 26.4 39.6

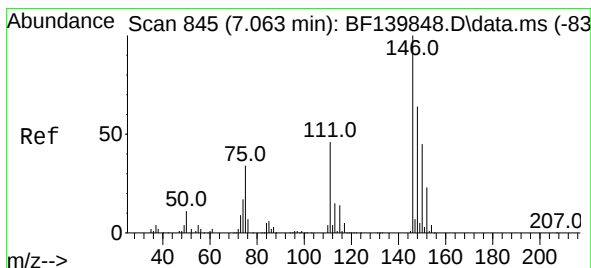
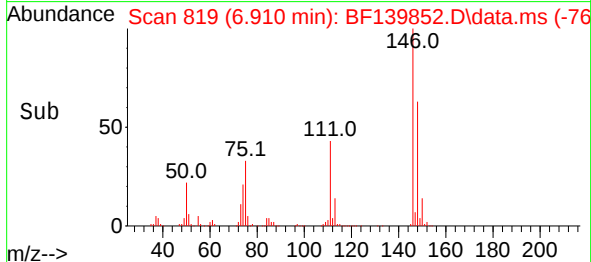
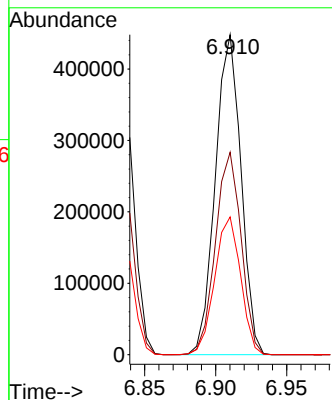
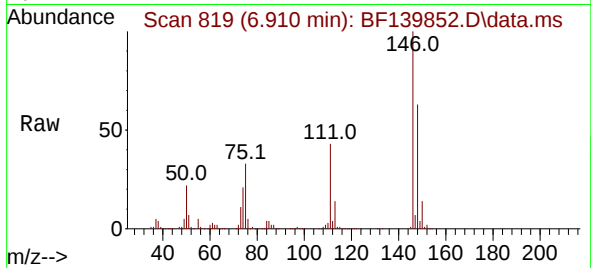




#13  
1,4-Dichlorobenzene  
Concen: 40.518 ng  
RT: 6.910 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

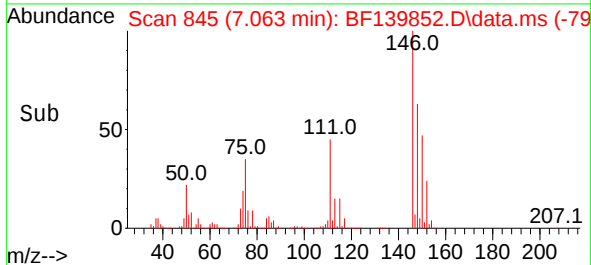
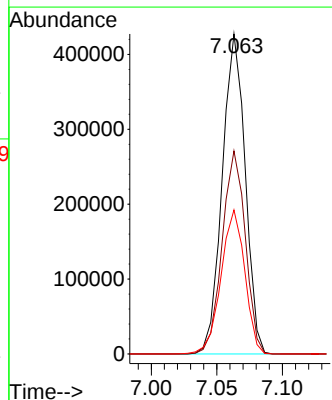
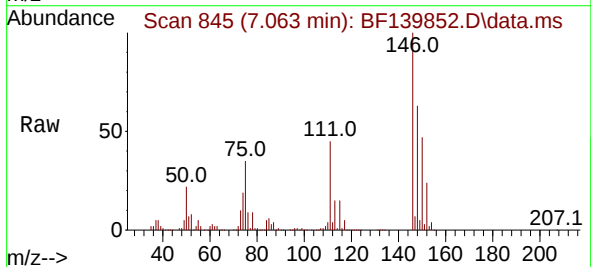
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

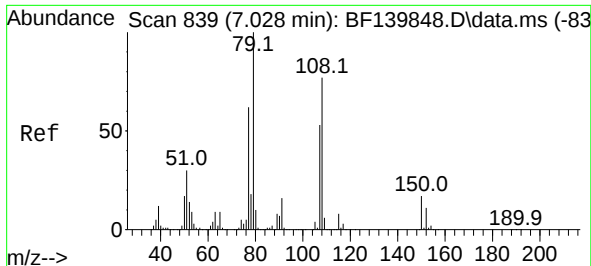
Tgt Ion:146 Resp: 563454  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.8 77.8  
111 43.0 34.6 51.8



#14  
1,2-Dichlorobenzene  
Concen: 40.036 ng  
RT: 7.063 min Scan# 845  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:146 Resp: 519617  
Ion Ratio Lower Upper  
146 100  
148 63.4 51.4 77.2  
111 45.0 36.7 55.1

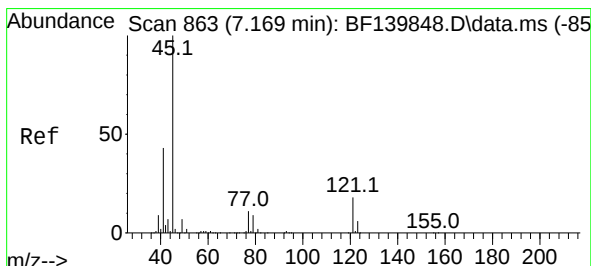
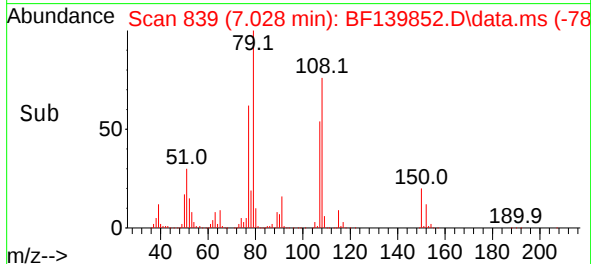
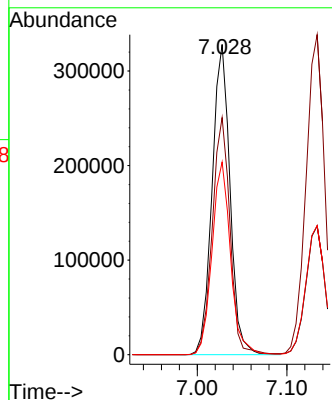
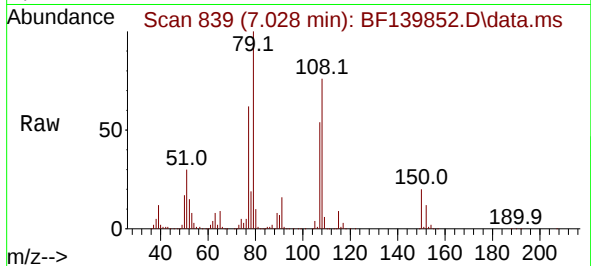




#15  
Benzyl Alcohol  
Concen: 40.413 ng  
RT: 7.028 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

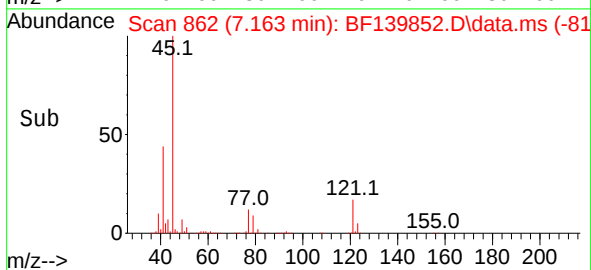
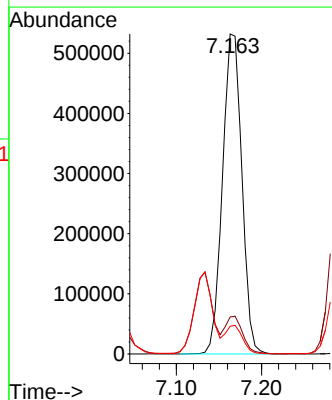
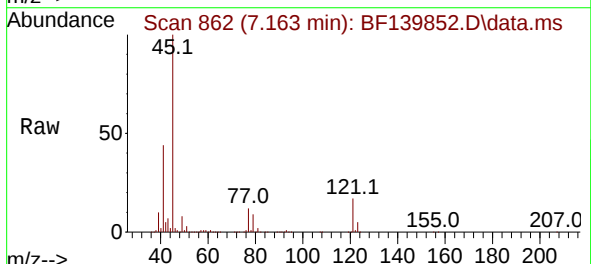
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

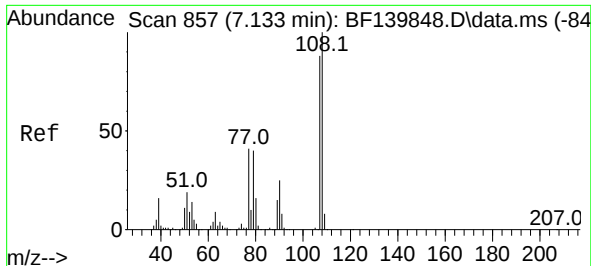
Tgt Ion: 79 Resp: 455398  
Ion Ratio Lower Upper  
79 100  
108 76.4 61.4 92.0  
77 62.1 49.9 74.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.143 ng  
RT: 7.163 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

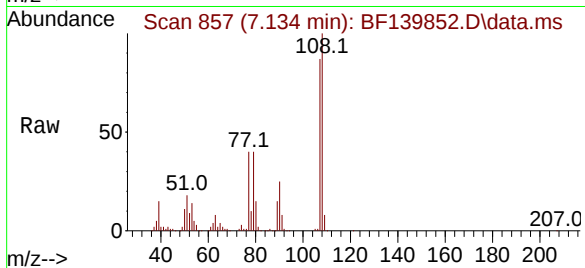
Tgt Ion: 45 Resp: 837897  
Ion Ratio Lower Upper  
45 100  
77 11.6 0.0 31.5  
79 8.7 0.0 29.1





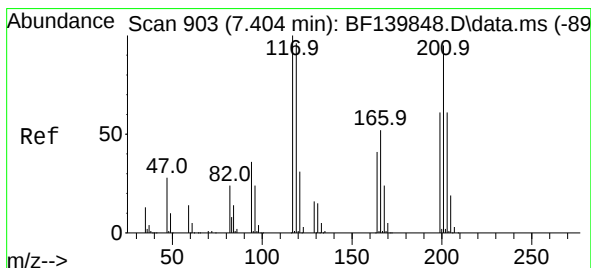
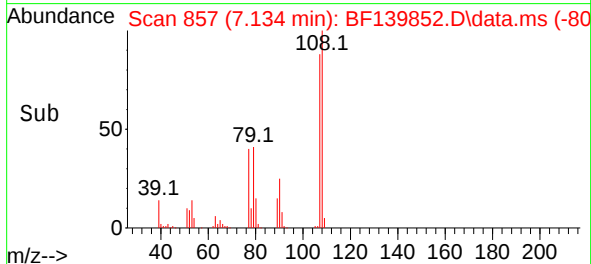
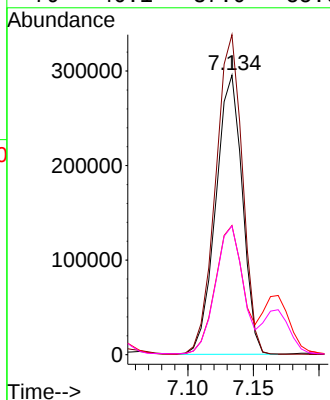
#17  
2-Methylphenol  
Concen: 40.275 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824



Tgt Ion:107 Resp: 416428

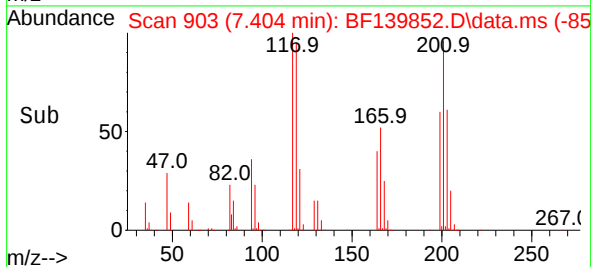
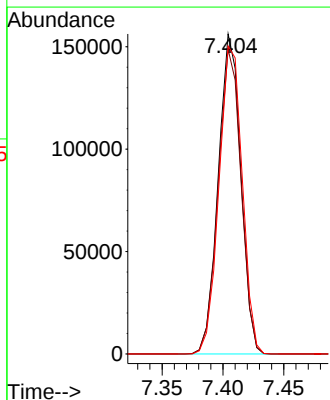
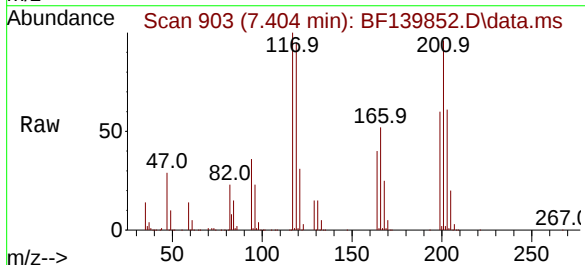
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 114.5 | 91.3  | 136.9 |
| 77  | 46.2  | 37.1  | 55.7  |
| 79  | 46.1  | 37.0  | 55.6  |

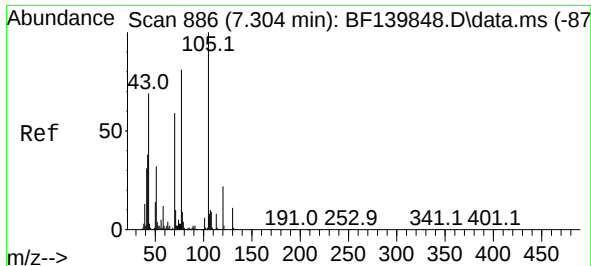


#18  
Hexachloroethane  
Concen: 40.641 ng  
RT: 7.404 min Scan# 903  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:117 Resp: 201539

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.2  | 77.0  | 115.4 |
| 201 | 96.2  | 76.2  | 114.4 |





#19

n-Nitroso-di-n-propylamine

Concen: 38.970 ng

RT: 7.304 min Scan# 886

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion: 70 Resp: 363085

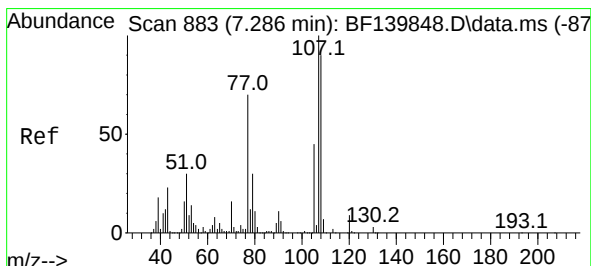
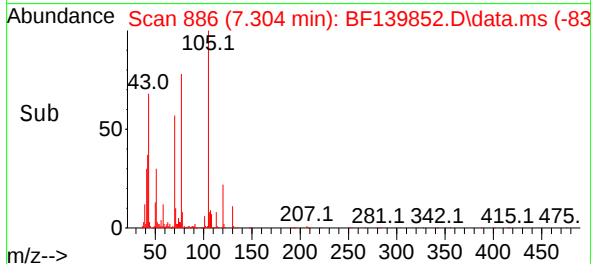
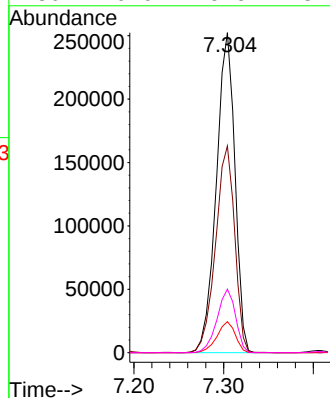
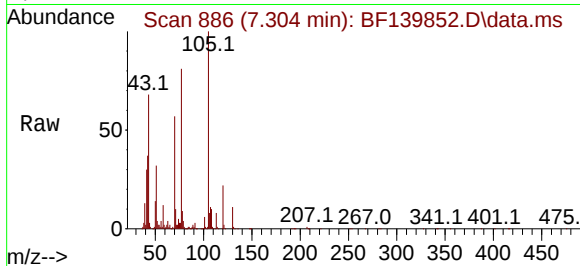
Ion Ratio Lower Upper

70 100

42 64.6 51.5 77.3

101 9.7 7.5 11.3

130 19.9 15.5 23.3



#20

3+4-Methylphenols

Concen: 40.345 ng

RT: 7.287 min Scan# 883

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion:107 Resp: 533567

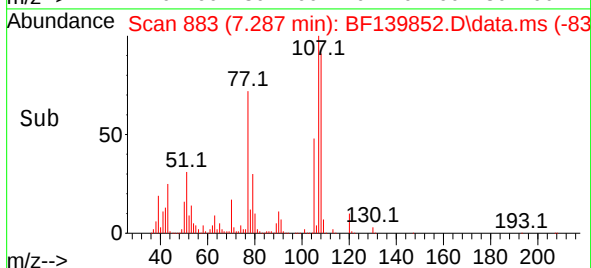
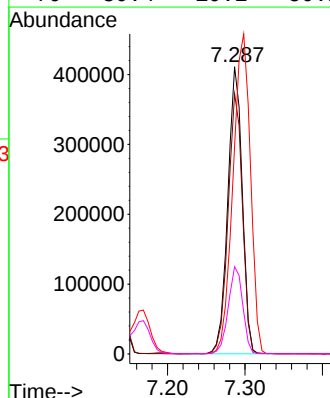
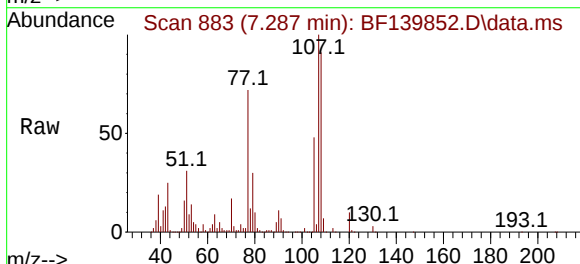
Ion Ratio Lower Upper

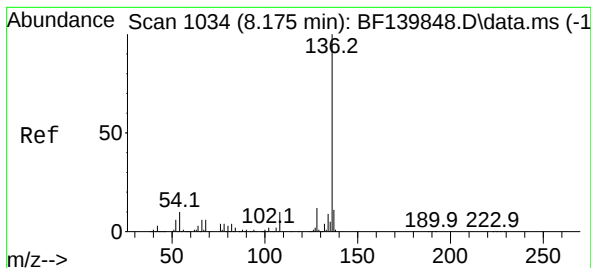
107 100

108 90.6 69.8 109.8

77 72.4 50.5 90.5

79 30.4 10.2 50.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion:136 Resp: 705995

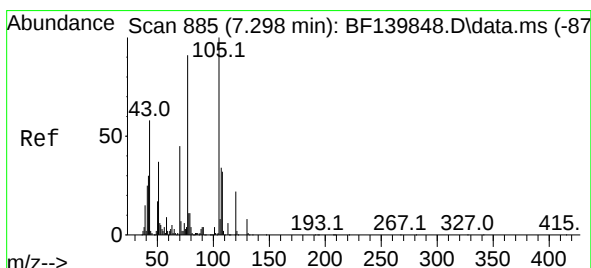
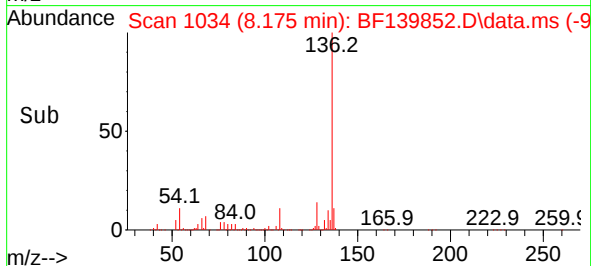
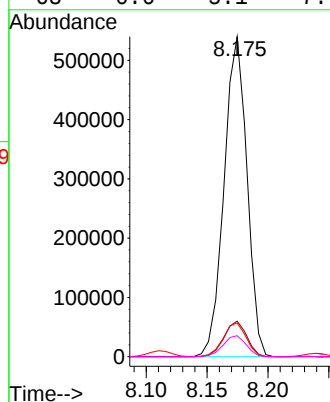
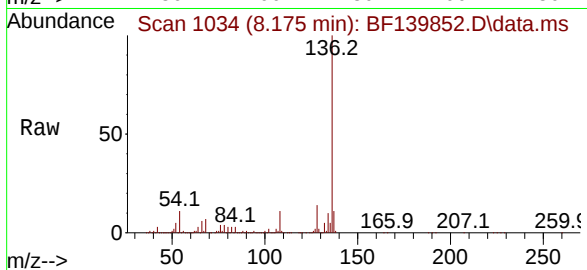
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 10.5 8.4 12.6

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 39.725 ng

RT: 7.298 min Scan# 885

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion:105 Resp: 686925

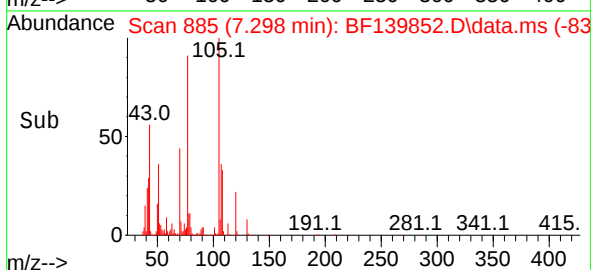
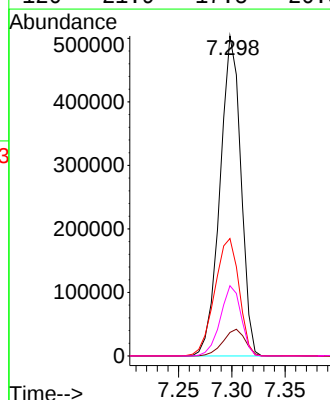
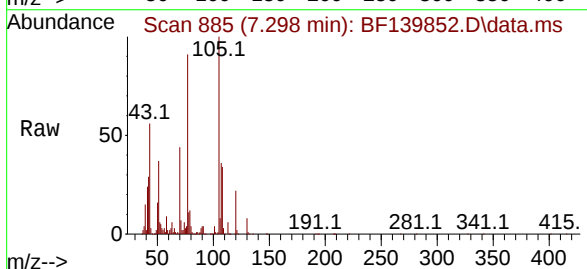
Ion Ratio Lower Upper

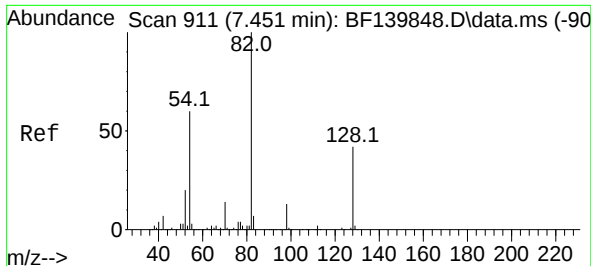
105 100

71 7.4 5.9 8.9

51 36.7 29.4 44.2

120 21.9 17.5 26.3





#23

Nitrobenzene-d5

Concen: 83.942 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

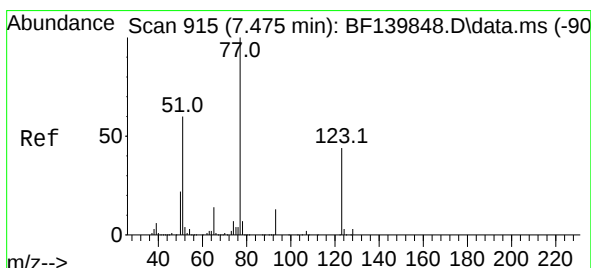
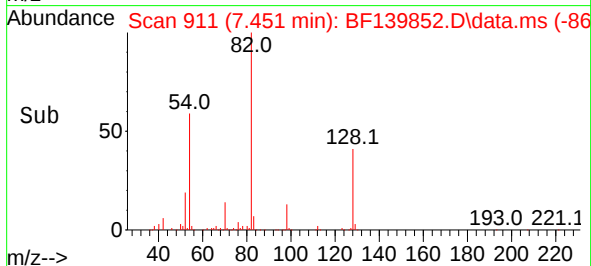
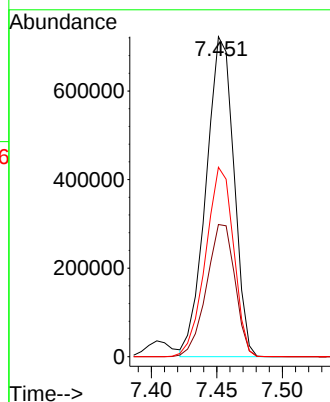
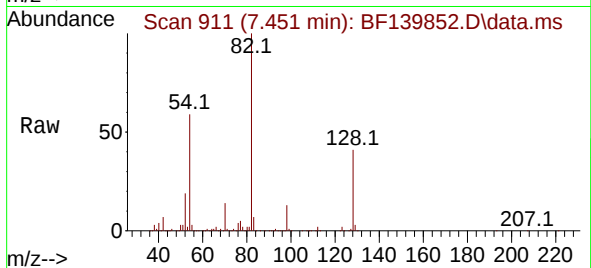
BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion: 82 Resp: 1069263

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.3  | 33.4  | 50.0  |
| 54  | 59.2  | 47.8  | 71.8  |



#24

Nitrobenzene

Concen: 41.151 ng

RT: 7.475 min Scan# 915

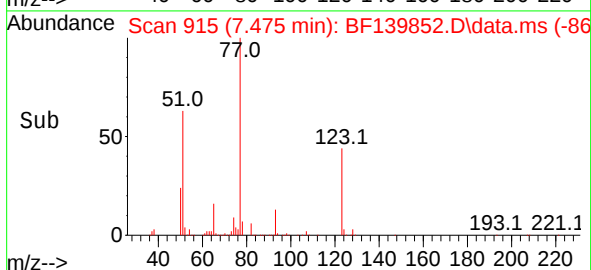
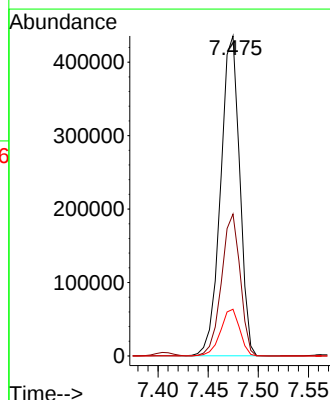
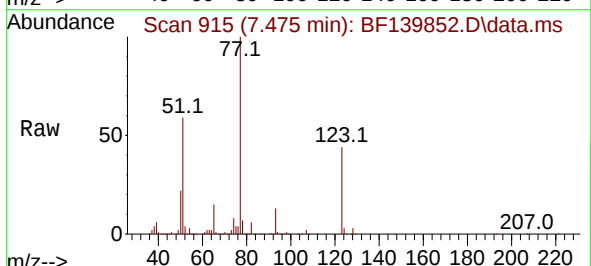
Delta R.T. 0.000 min

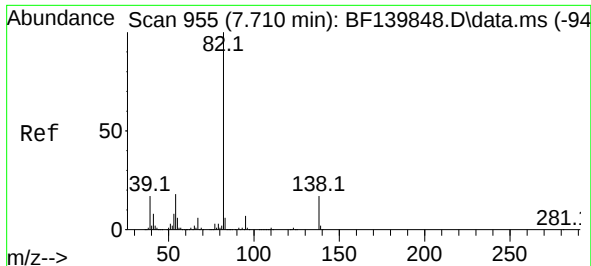
Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion: 77 Resp: 574723

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 44.4  | 35.7  | 53.5  |
| 65  | 14.6  | 11.5  | 17.3  |

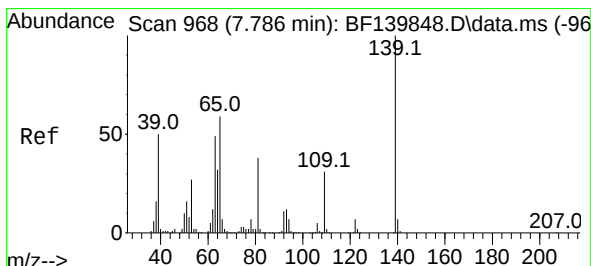
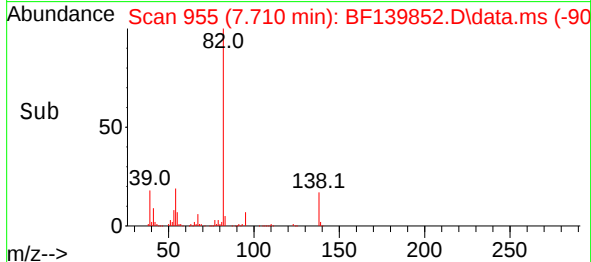
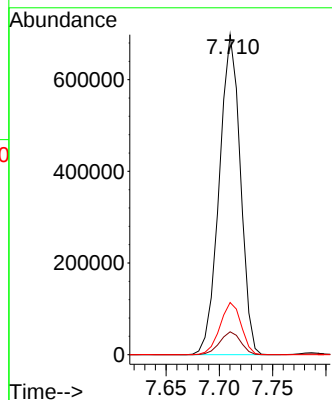
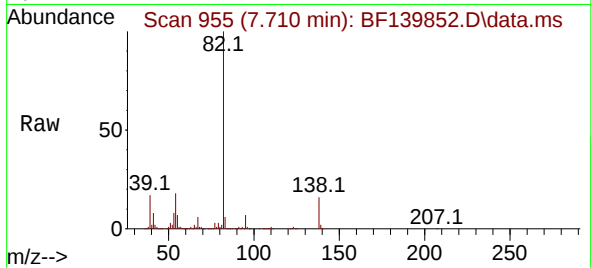




#25  
Isophorone  
Concen: 39.802 ng  
RT: 7.710 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

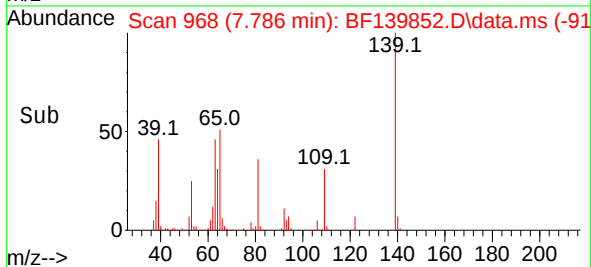
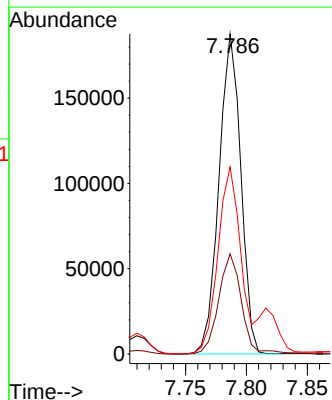
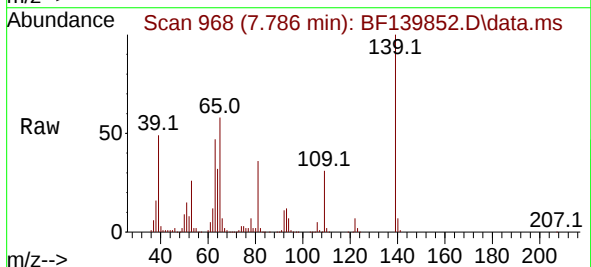
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

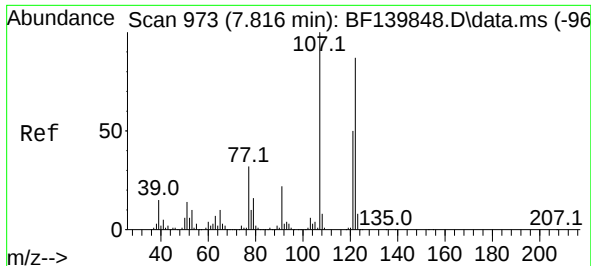
Tgt Ion: 82 Resp: 962286  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 16.3 13.2 19.8



#26  
2-Nitrophenol  
Concen: 44.485 ng  
RT: 7.786 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:139 Resp: 234381  
Ion Ratio Lower Upper  
139 100  
109 31.3 25.1 37.7  
65 58.5 47.5 71.3

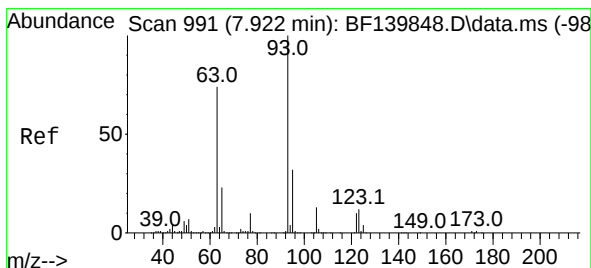
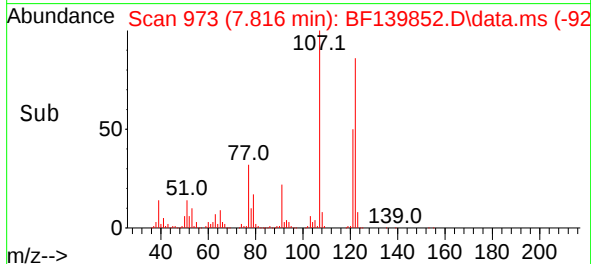
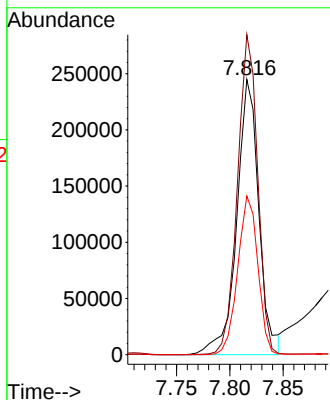
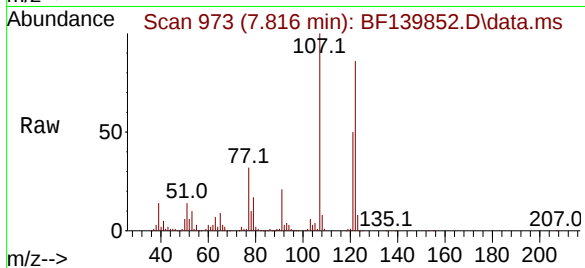




#27  
2,4-Dimethylphenol  
Concen: 40.272 ng  
RT: 7.816 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

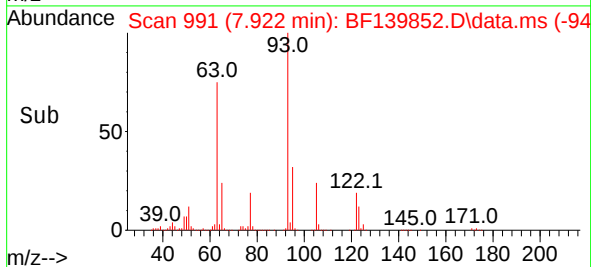
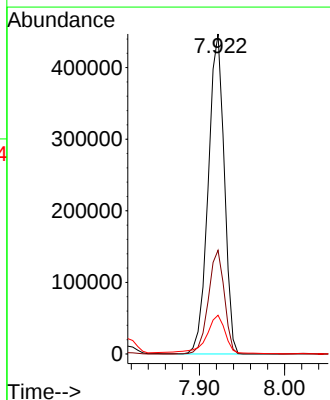
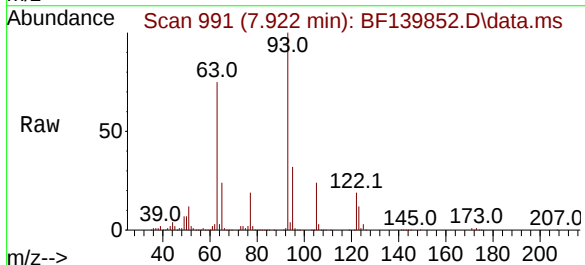
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

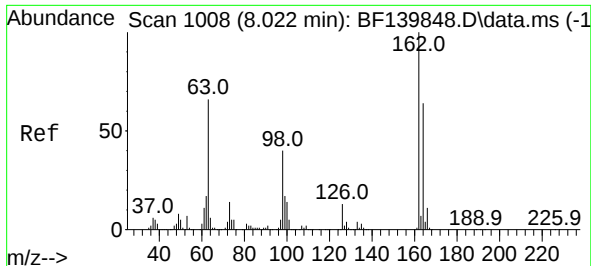
Tgt Ion:122 Resp: 353803  
Ion Ratio Lower Upper  
122 100  
107 116.3 91.9 137.9  
121 57.7 46.2 69.4



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.910 ng  
RT: 7.922 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion: 93 Resp: 584598  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.0 39.0  
123 12.1 9.8 14.8

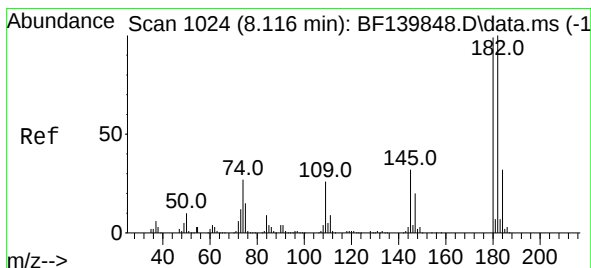
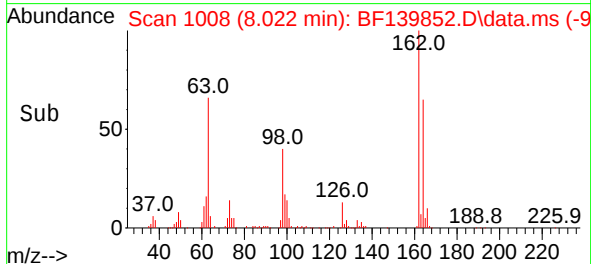
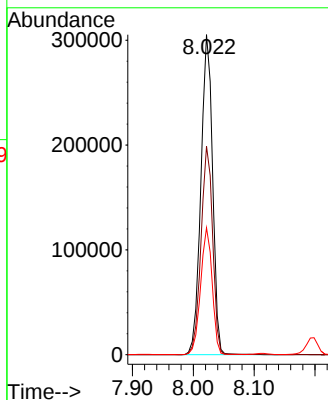
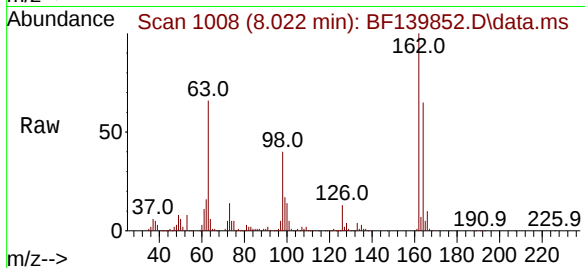




#29  
2,4-Dichlorophenol  
Concen: 40.625 ng  
RT: 8.022 min Scan# 1008  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

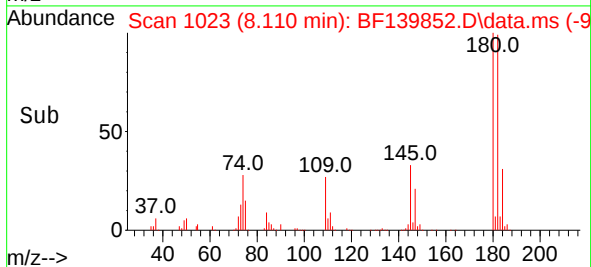
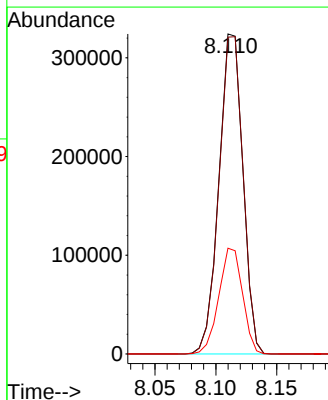
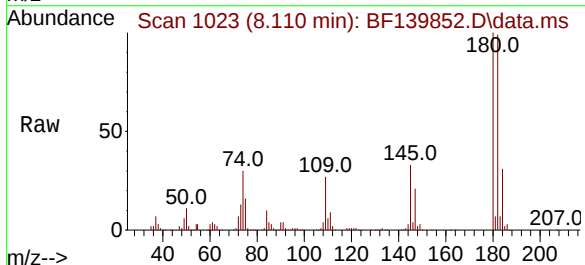
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

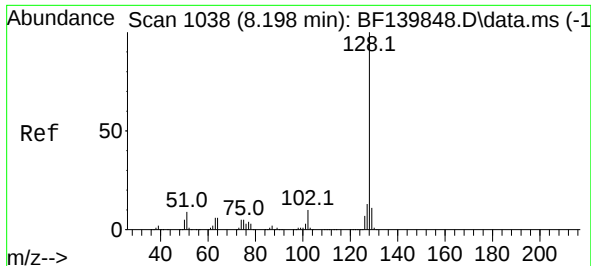
Tgt Ion:162 Resp: 406522  
Ion Ratio Lower Upper  
162 100  
164 65.2 43.9 83.9  
98 39.7 19.9 59.9



#30  
1,2,4-Trichlorobenzene  
Concen: 40.148 ng  
RT: 8.110 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:180 Resp: 444541  
Ion Ratio Lower Upper  
180 100  
182 99.0 80.5 120.7  
145 33.1 25.4 38.0





#31

Naphthalene

Concen: 39.669 ng

RT: 8.198 min Scan# 1038

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

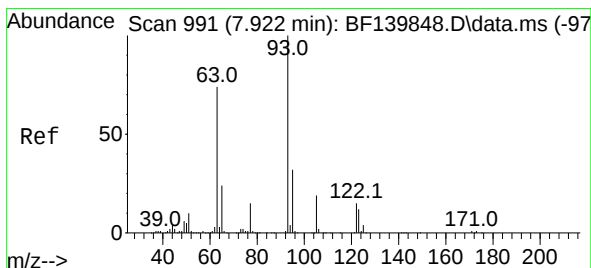
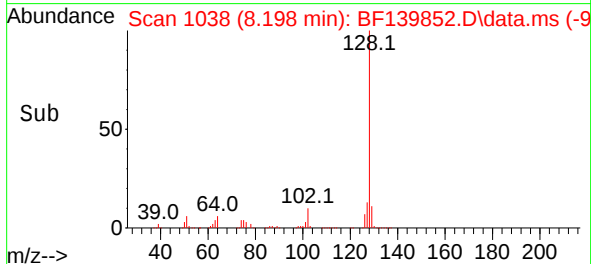
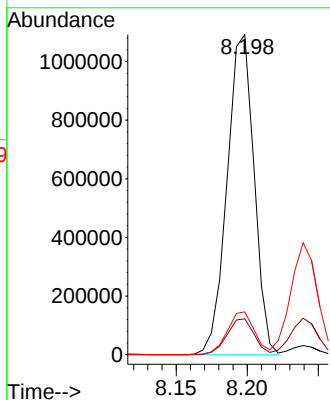
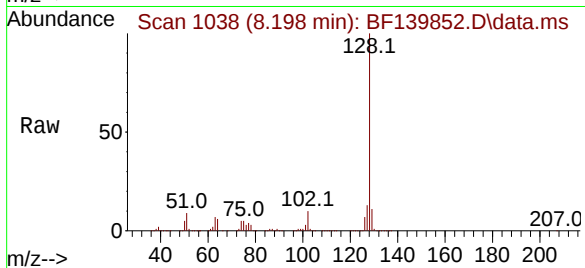
Tgt Ion:128 Resp: 1444387

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

127 13.4 10.6 16.0



#32

Benzoic acid

Concen: 43.504 ng

RT: 7.922 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

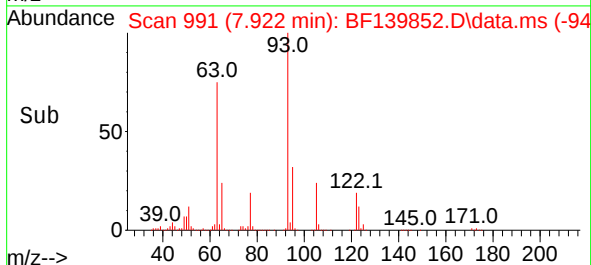
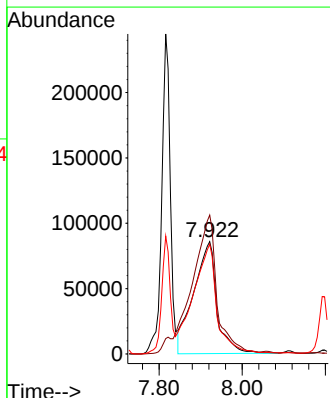
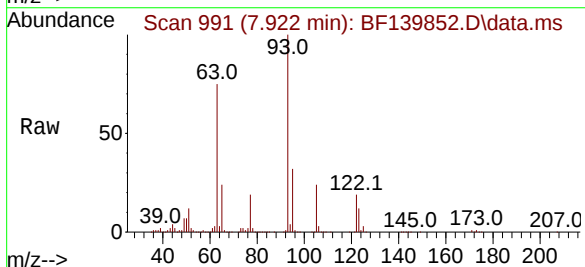
Tgt Ion:122 Resp: 333354

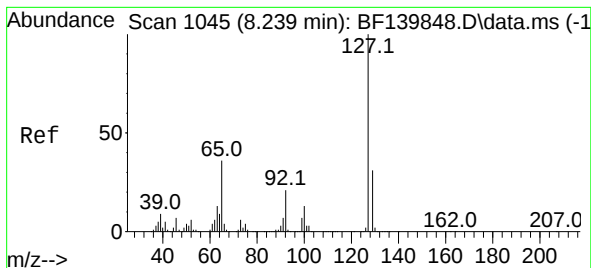
Ion Ratio Lower Upper

122 100

105 123.7 107.6 147.6

77 97.7 80.2 120.2





#33

4-Chloroaniline

Concen: 39.875 ng

RT: 8.239 min Scan# 1045

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion:127 Resp: 495071

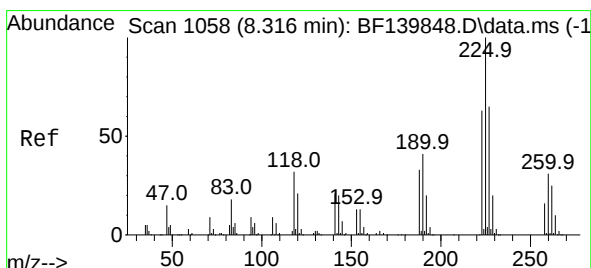
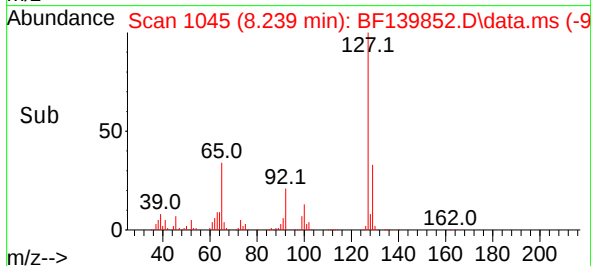
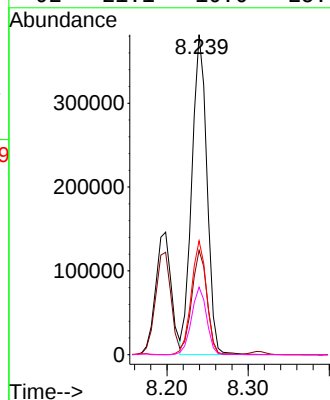
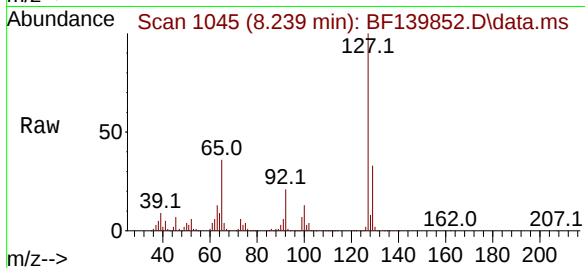
Ion Ratio Lower Upper

127 100

129 32.6 25.4 38.2

65 35.6 28.4 42.6

92 21.1 16.6 25.0



#34

Hexachlorobutadiene

Concen: 40.749 ng

RT: 8.316 min Scan# 1058

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

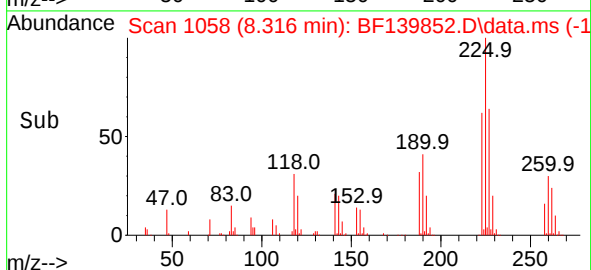
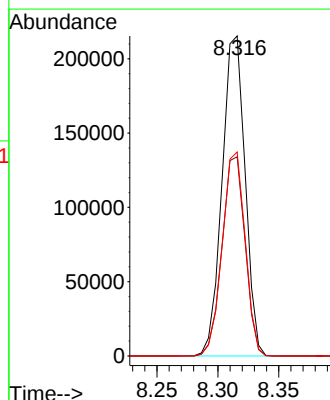
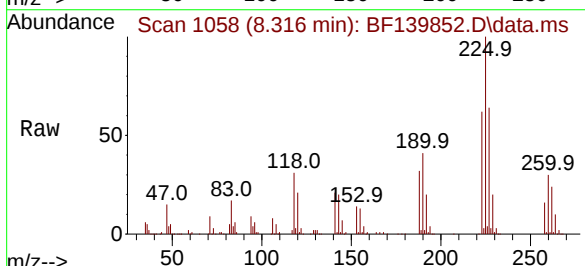
Tgt Ion:225 Resp: 283496

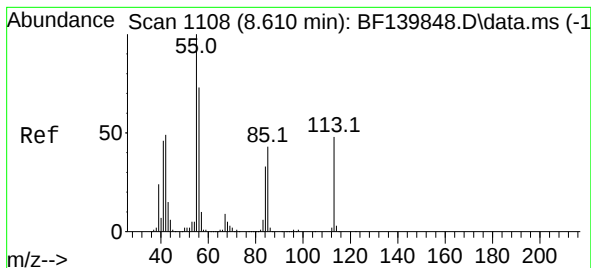
Ion Ratio Lower Upper

225 100

223 62.3 50.6 76.0

227 63.7 51.8 77.8





#35

Caprolactam

Concen: 41.273 ng

RT: 8.610 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

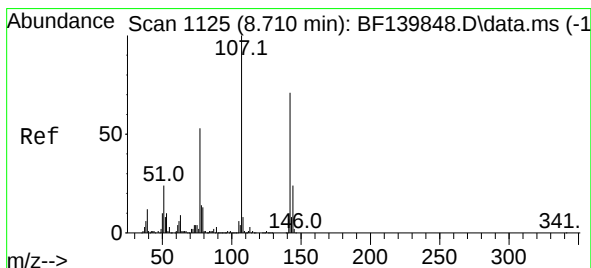
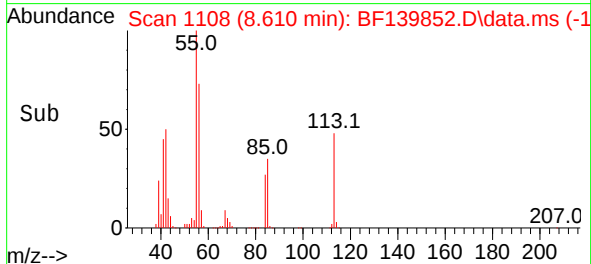
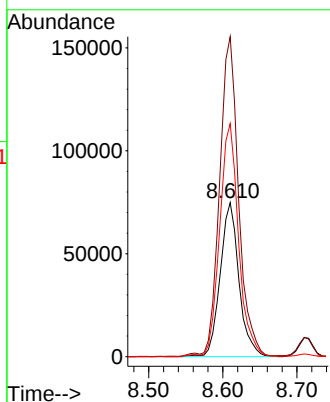
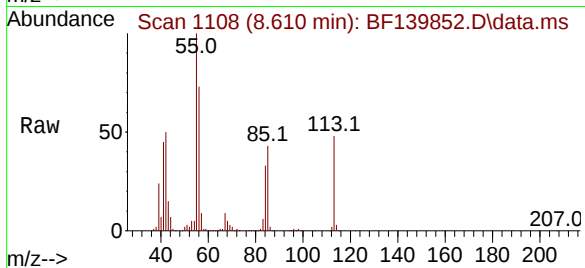
Tgt Ion:113 Resp: 131324

Ion Ratio Lower Upper

113 100

55 207.7 189.2 229.2

56 151.3 132.5 172.5



#36

4-Chloro-3-methylphenol

Concen: 40.628 ng

RT: 8.710 min Scan# 1125

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

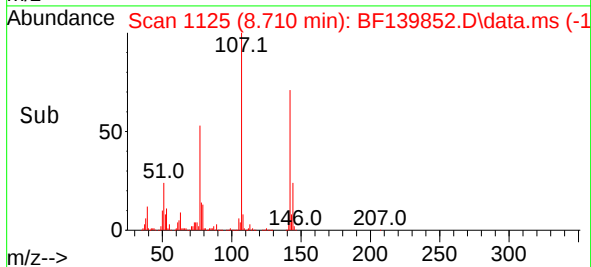
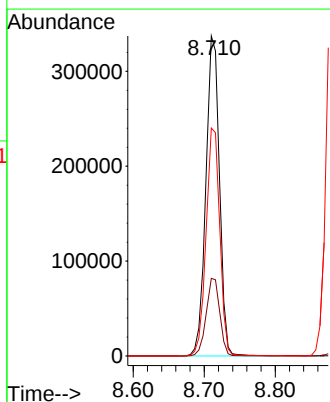
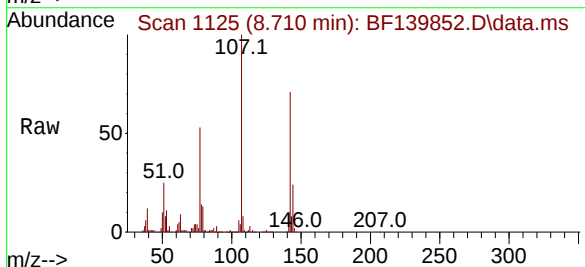
Tgt Ion:107 Resp: 450171

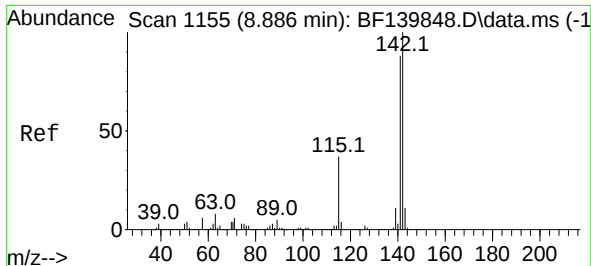
Ion Ratio Lower Upper

107 100

144 24.2 19.1 28.7

142 71.2 57.2 85.8





#37

2-Methylnaphthalene

Concen: 39.969 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

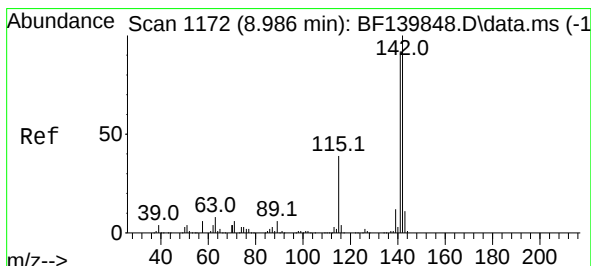
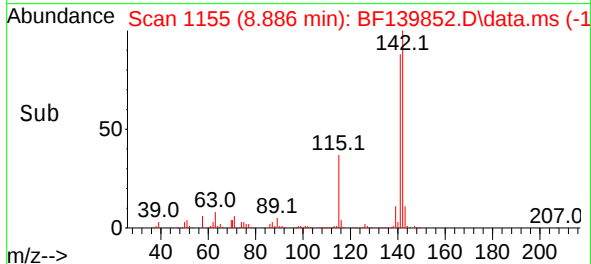
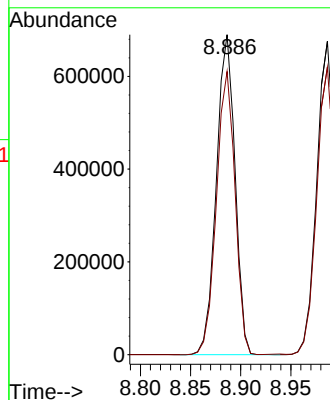
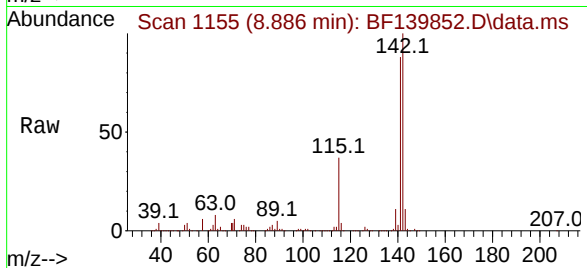
ICVBF101824

Tgt Ion:142 Resp: 891280

Ion Ratio Lower Upper

142 100

141 88.5 70.8 106.2



#38

1-Methylnaphthalene

Concen: 39.350 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF139852.D

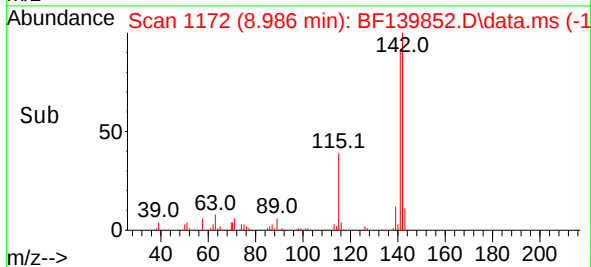
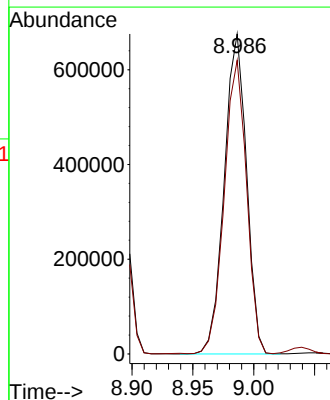
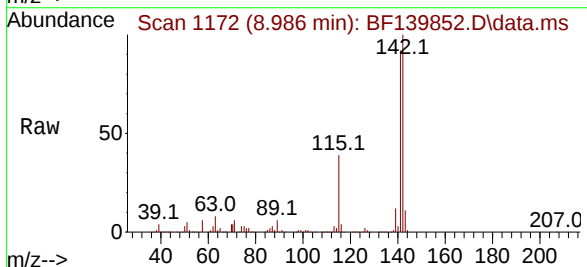
Acq: 18 Oct 2024 14:19

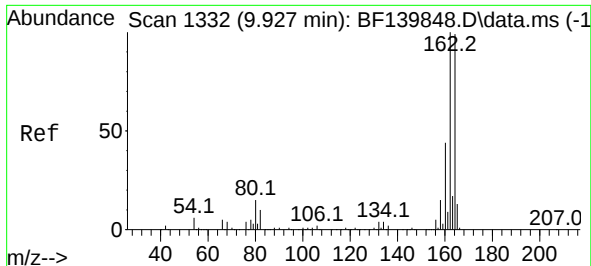
Tgt Ion:142 Resp: 860907

Ion Ratio Lower Upper

142 100

141 91.8 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1332

Delta R.T. 0.001 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

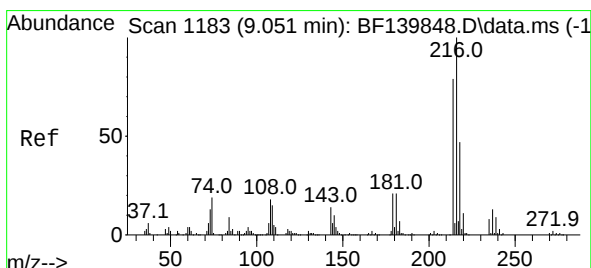
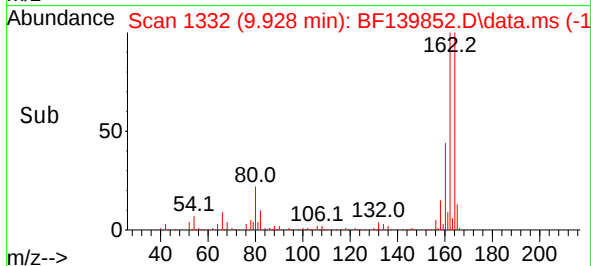
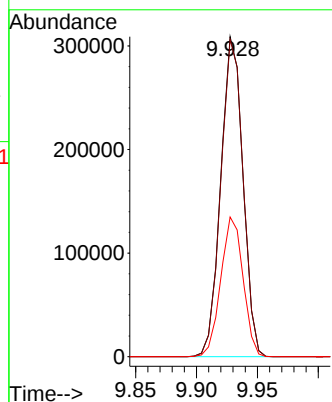
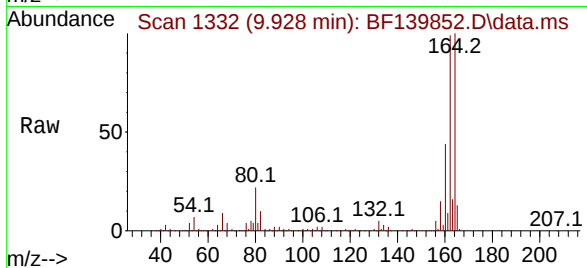
Tgt Ion:164 Resp: 391362

Ion Ratio Lower Upper

164 100

162 99.1 81.0 121.4

160 43.7 35.4 53.0



#40

1,2,4,5-Tetrachlorobenzene

Concen: 39.867 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion:216 Resp: 420934

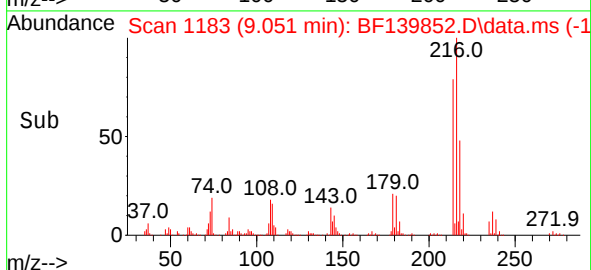
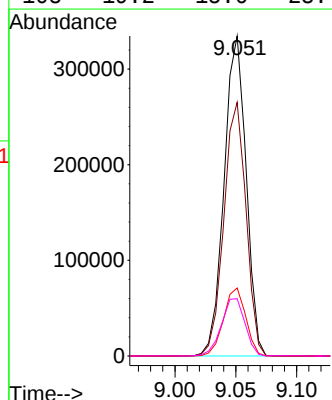
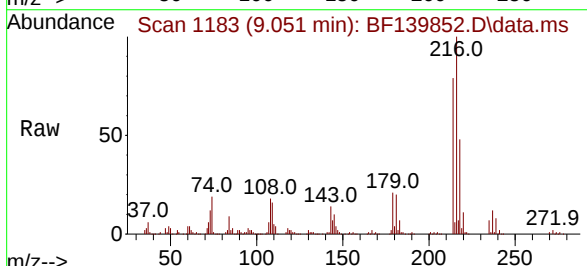
Ion Ratio Lower Upper

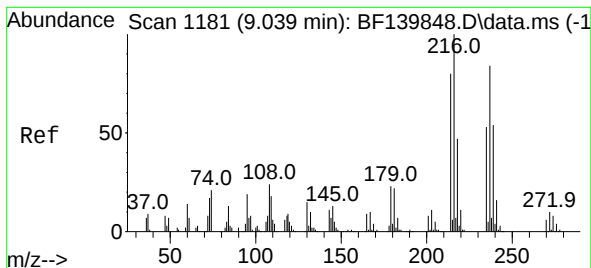
216 100

214 79.6 63.4 95.0

179 21.4 17.2 25.8

108 19.2 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 39.029 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

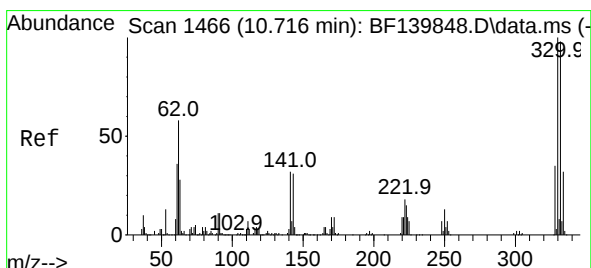
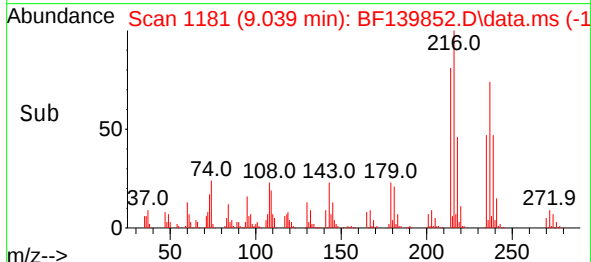
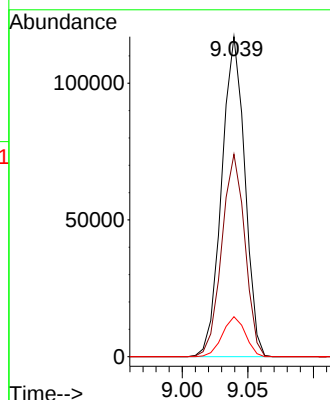
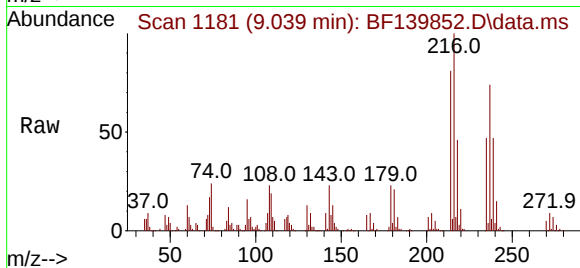
Tgt Ion:237 Resp: 143384

Ion Ratio Lower Upper

237 100

235 63.3 42.9 82.9

272 12.5 0.0 32.3



#42

2,4,6-Tribromophenol

Concen: 80.387 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

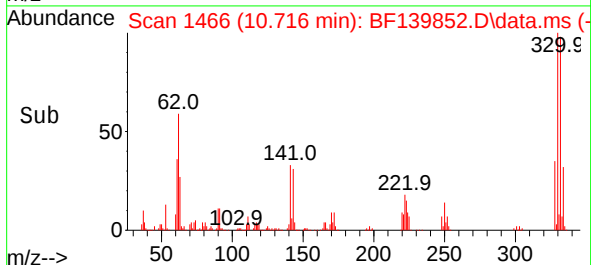
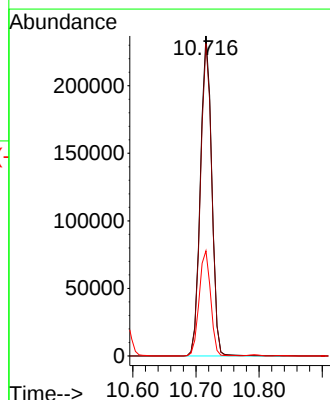
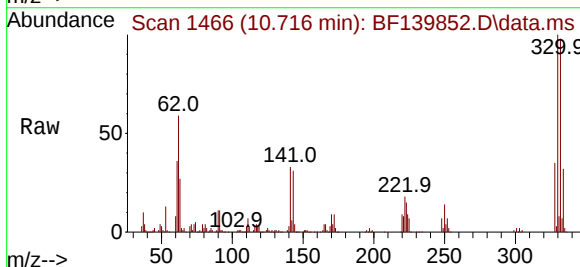
Tgt Ion:330 Resp: 294270

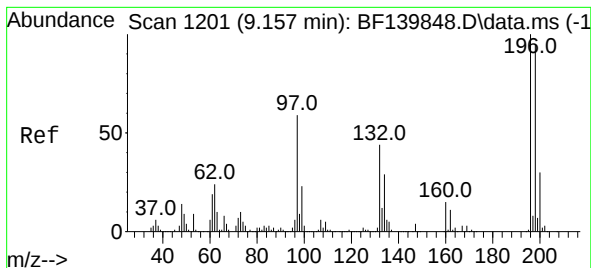
Ion Ratio Lower Upper

330 100

332 97.4 78.1 117.1

141 33.3 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 40.108 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

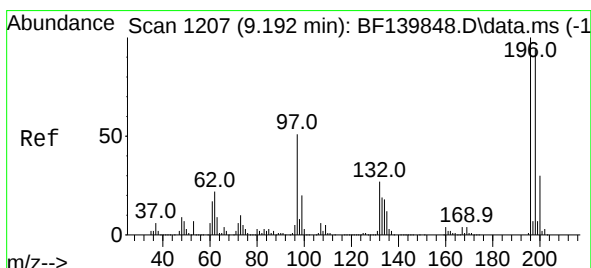
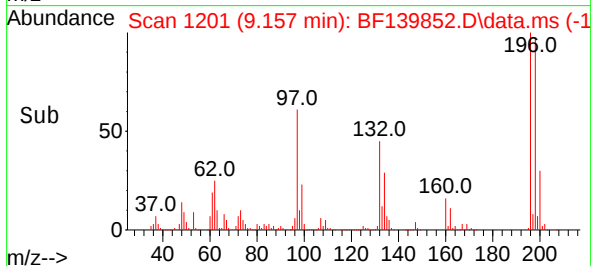
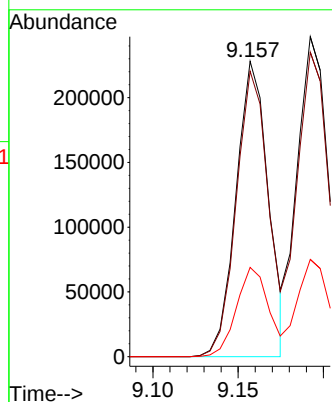
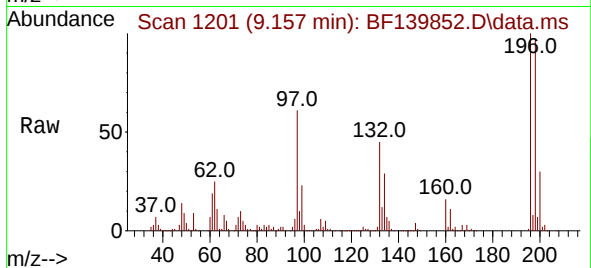
Tgt Ion:196 Resp: 299815

Ion Ratio Lower Upper

196 100

198 96.7 76.2 114.2

200 30.2 24.0 36.0



#44

2,4,5-Trichlorophenol

Concen: 40.714 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion:196 Resp: 314003

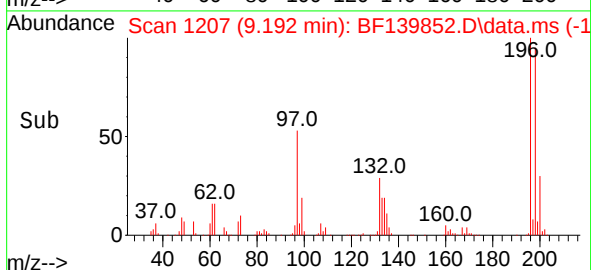
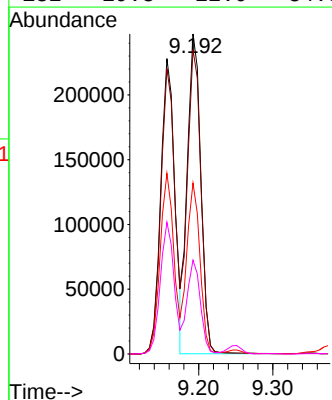
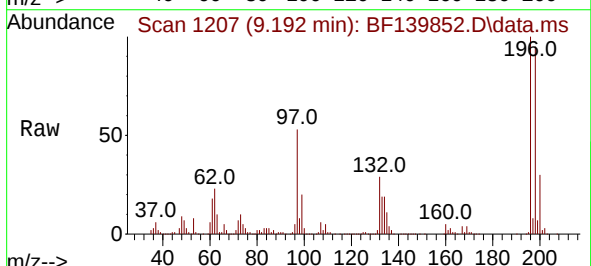
Ion Ratio Lower Upper

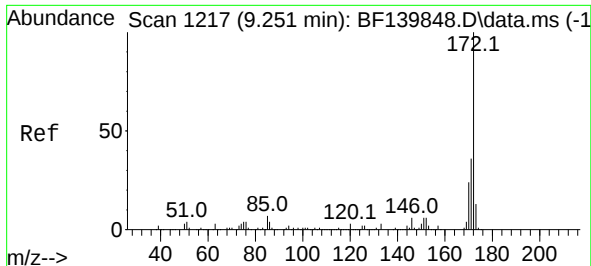
196 100

198 95.2 75.8 113.6

97 53.4 41.8 62.6

132 29.3 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 77.108 ng

RT: 9.251 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

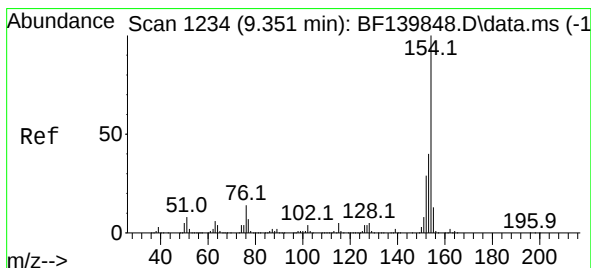
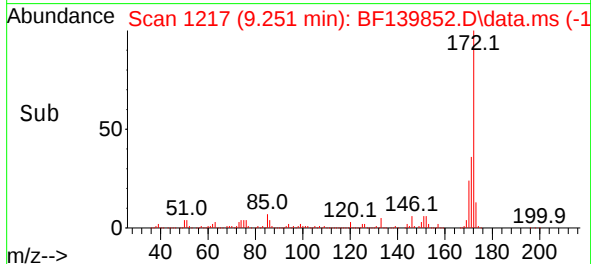
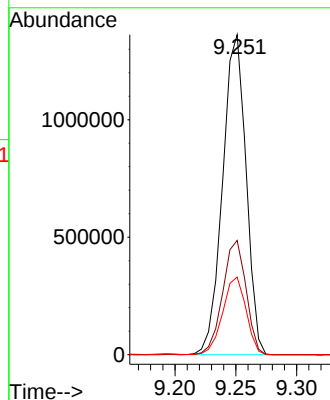
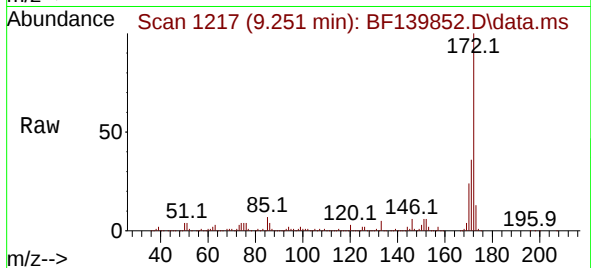
Tgt Ion:172 Resp: 1825942

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 24.2 19.1 28.7



#46

1,1'-Biphenyl

Concen: 38.994 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

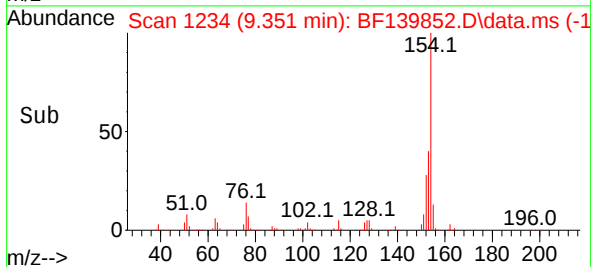
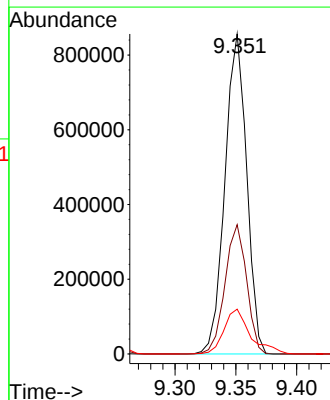
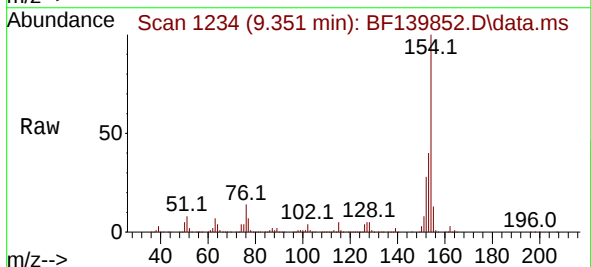
Tgt Ion:154 Resp: 1062376

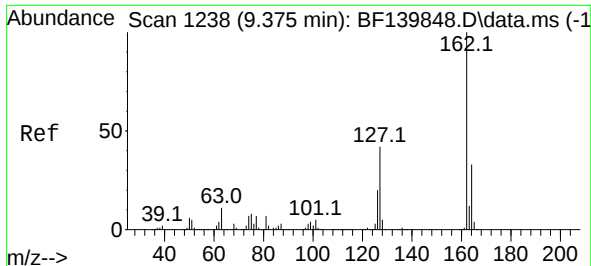
Ion Ratio Lower Upper

154 100

153 40.4 20.3 60.3

76 14.0 0.0 33.9





#47

2-Chloronaphthalene

Concen: 39.404 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

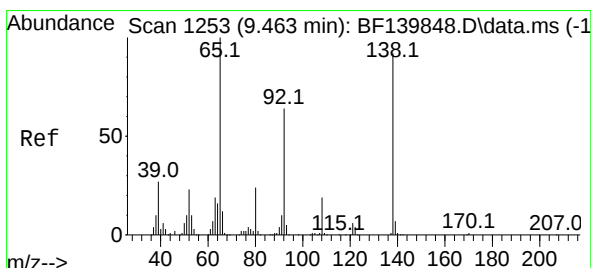
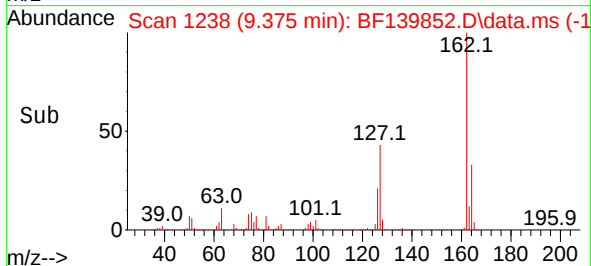
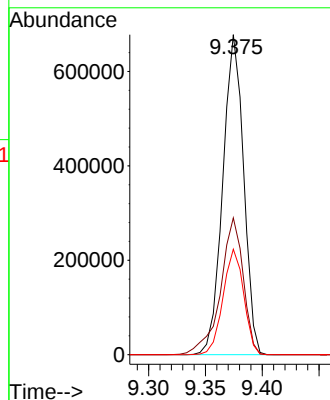
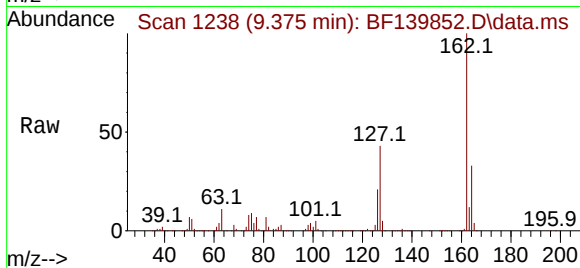
Tgt Ion:162 Resp: 864651

Ion Ratio Lower Upper

162 100

127 42.8 33.8 50.6

164 33.0 26.6 39.8



#48

2-Nitroaniline

Concen: 43.541 ng

RT: 9.463 min Scan# 1253

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

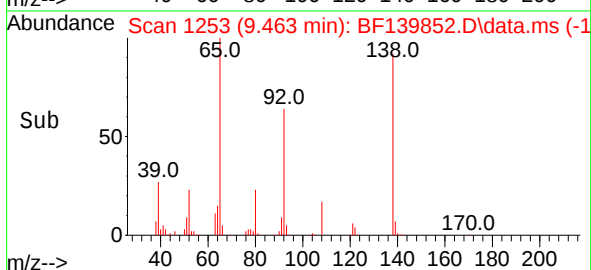
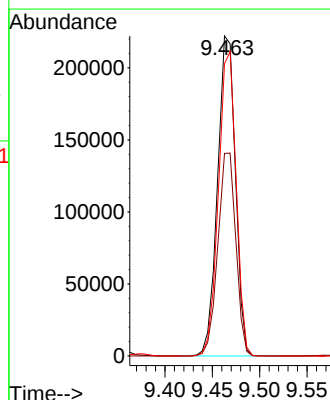
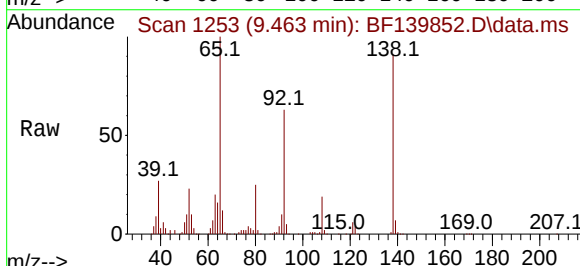
Tgt Ion: 65 Resp: 292212

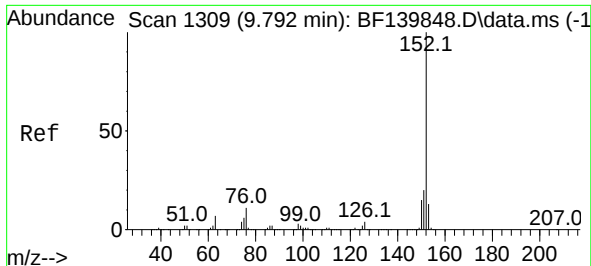
Ion Ratio Lower Upper

65 100

92 63.3 50.9 76.3

138 91.3 73.4 110.0





#49

Acenaphthylene

Concen: 39.928 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

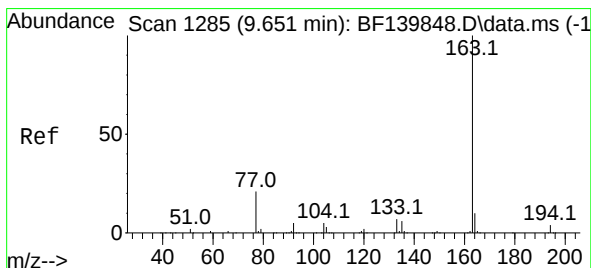
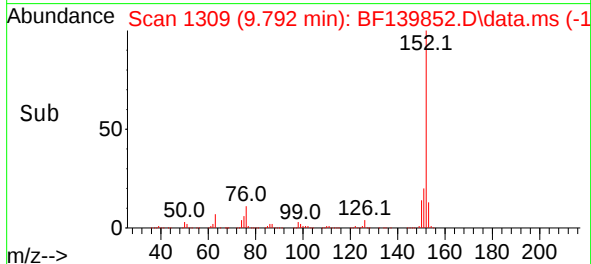
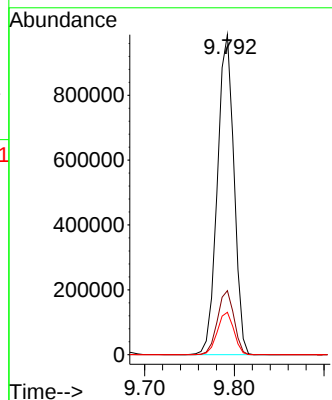
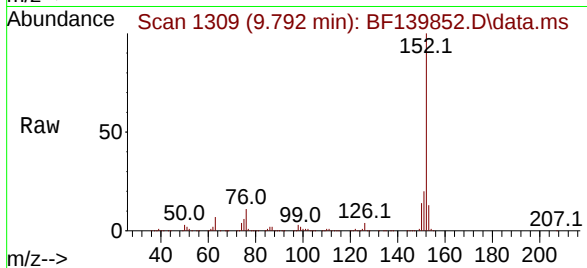
BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion:152 Resp: 1266635

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.0  | 15.9  | 23.9  |
| 153 | 13.3  | 10.7  | 16.1  |



#50

Dimethylphthalate

Concen: 40.132 ng

RT: 9.651 min Scan# 1285

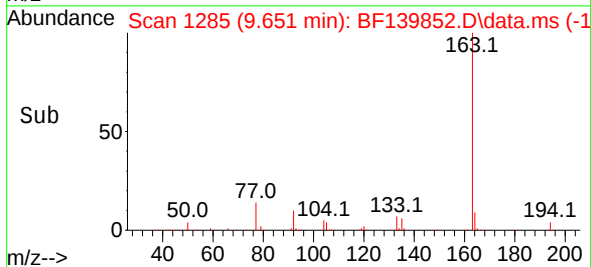
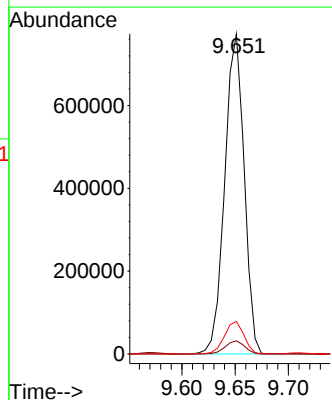
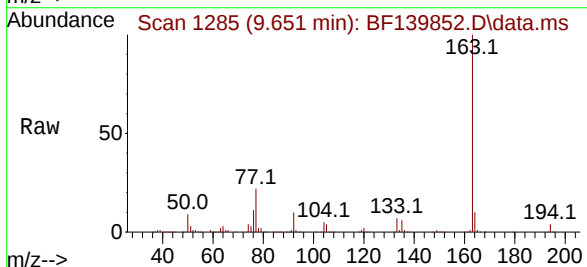
Delta R.T. 0.000 min

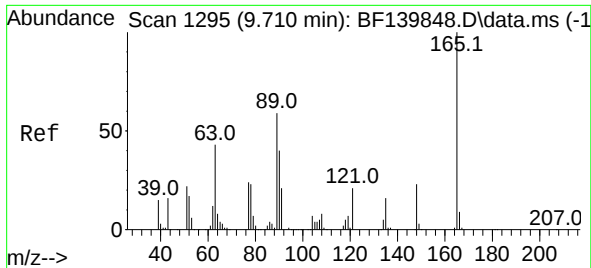
Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Tgt Ion:163 Resp: 978306

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.1   | 3.4   | 5.0   |
| 164 | 10.1  | 8.2   | 12.2  |

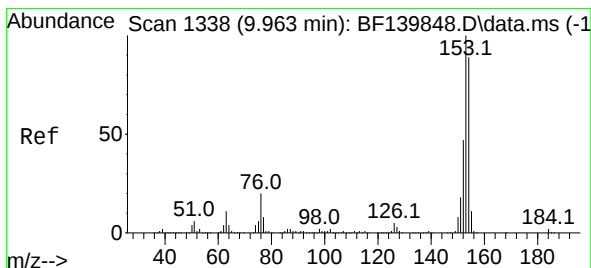
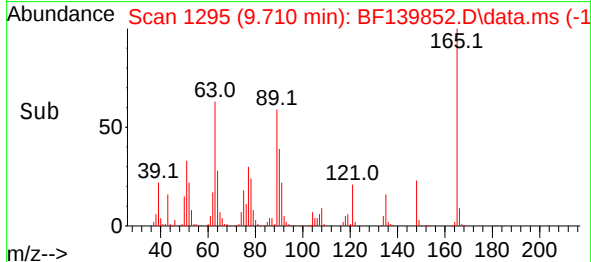
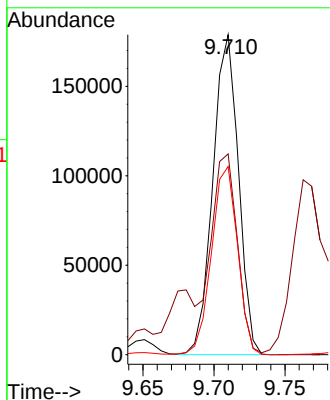
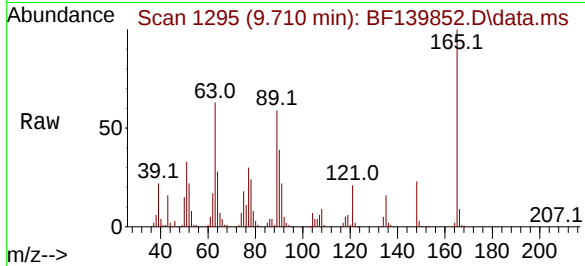




#51  
2,6-Dinitrotoluene  
Concen: 42.406 ng  
RT: 9.710 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

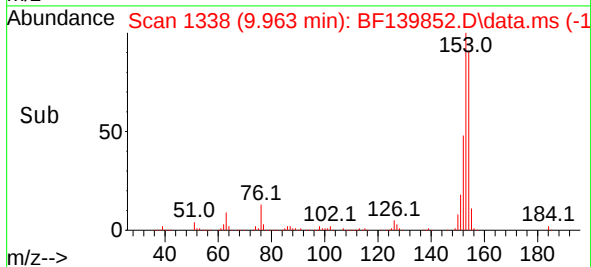
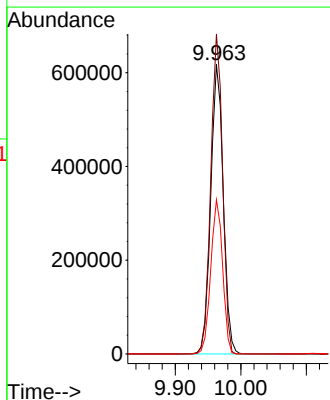
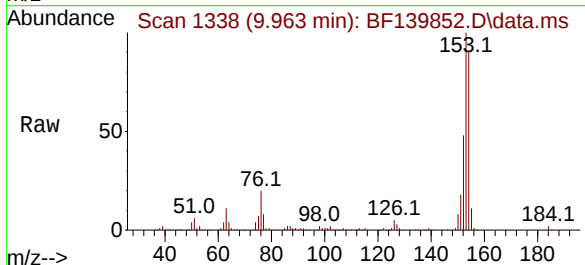
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

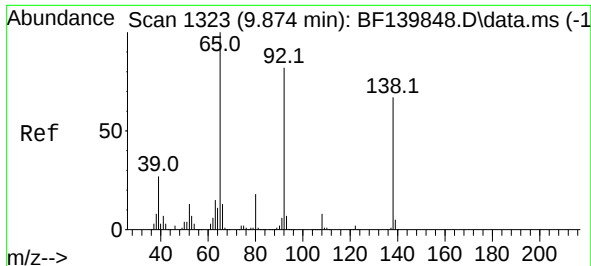
Tgt Ion:165 Resp: 223823  
Ion Ratio Lower Upper  
165 100  
63 62.7 50.6 75.8  
89 58.8 47.5 71.3



#52  
Acenaphthene  
Concen: 39.876 ng  
RT: 9.963 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

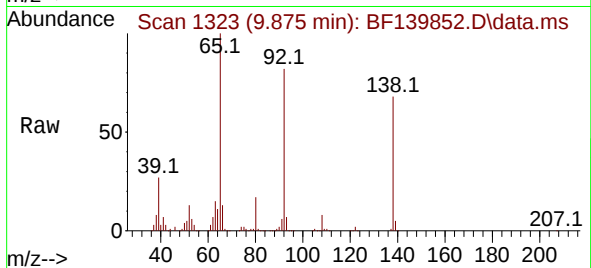
Tgt Ion:154 Resp: 818311  
Ion Ratio Lower Upper  
154 100  
153 110.5 89.8 134.6  
152 53.2 42.4 63.6



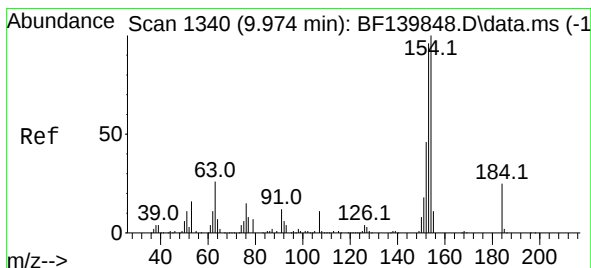
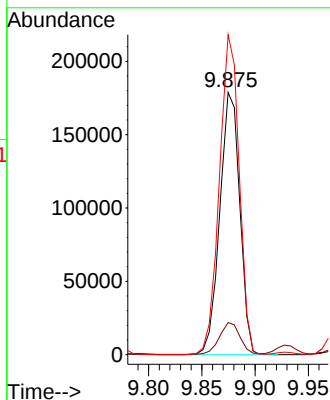
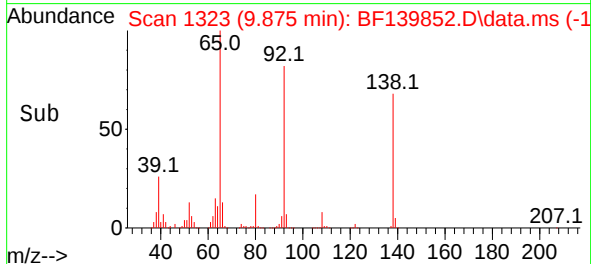


#53  
3-Nitroaniline  
Concen: 42.805 ng  
RT: 9.875 min Scan# 1323  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

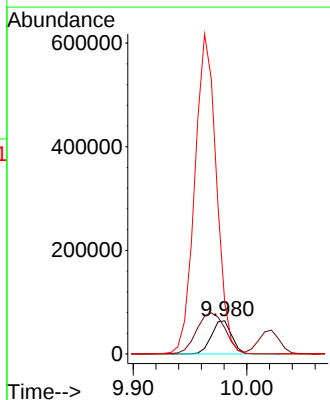
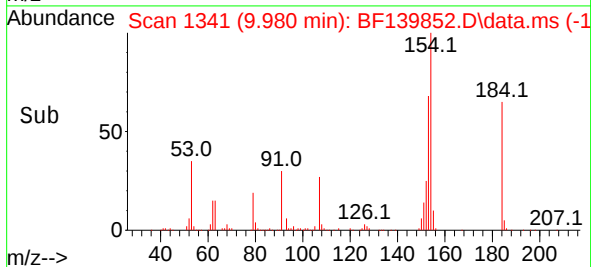
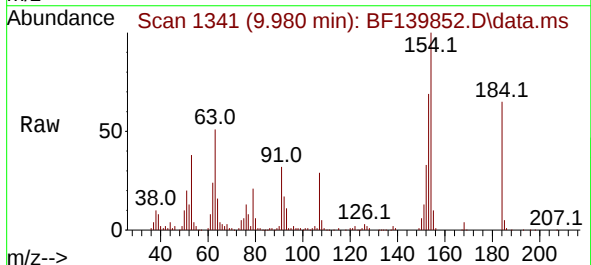


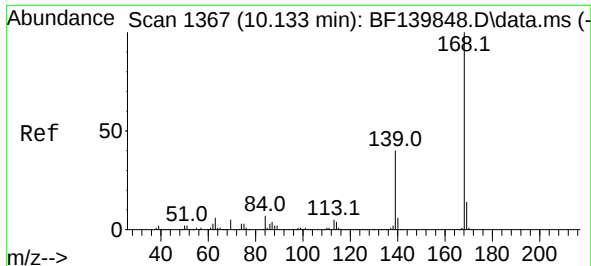
Tgt Ion:138 Resp: 232990  
Ion Ratio Lower Upper  
138 100  
108 12.3 10.2 15.2  
92 122.0 98.3 147.5



#54  
2,4-Dinitrophenol  
Concen: 39.916 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:184 Resp: 79725  
Ion Ratio Lower Upper  
184 100  
63 78.4 84.7 127.1#  
154 153.9 338.2 507.2#





#55

Dibenzenofuran

Concen: 39.520 ng

RT: 10.133 min Scan# 1367

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

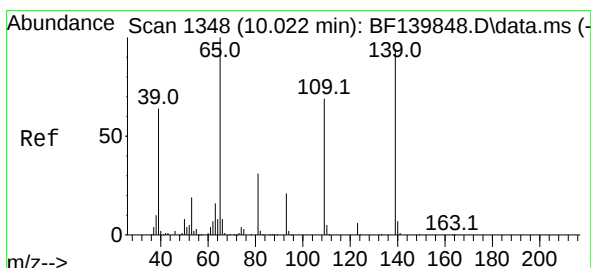
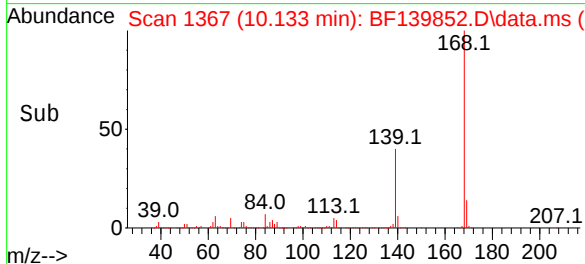
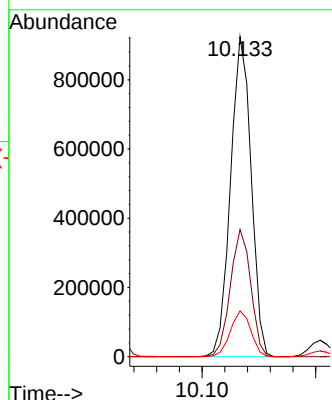
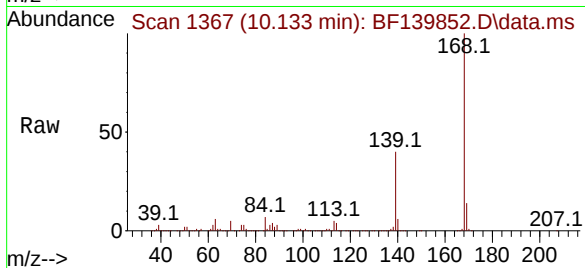
Tgt Ion:168 Resp: 1163603

Ion Ratio Lower Upper

168 100

139 39.7 31.8 47.6

169 14.3 11.6 17.4



#56

4-Nitrophenol

Concen: 42.642 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

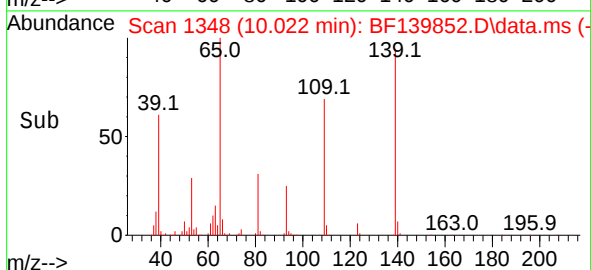
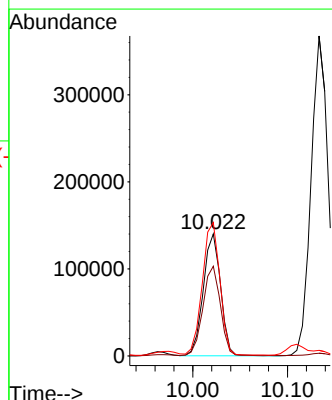
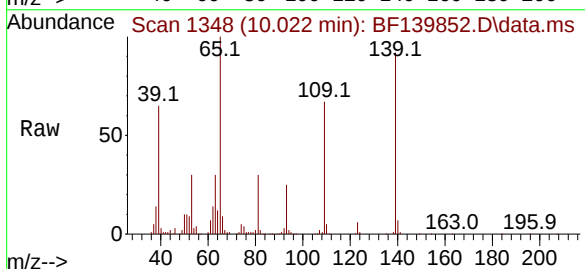
Tgt Ion:139 Resp: 178570

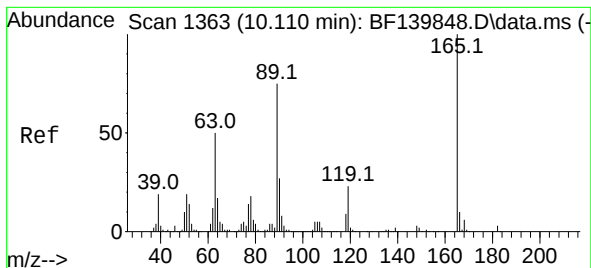
Ion Ratio Lower Upper

139 100

109 73.5 53.6 93.6

65 109.3 87.8 127.8





#57

2,4-Dinitrotoluene

Concen: 44.042 ng

RT: 10.110 min Scan# 1425

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion:165 Resp: 285866

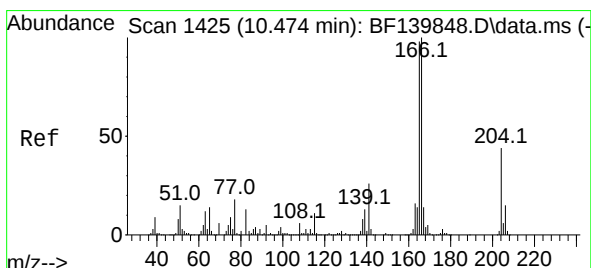
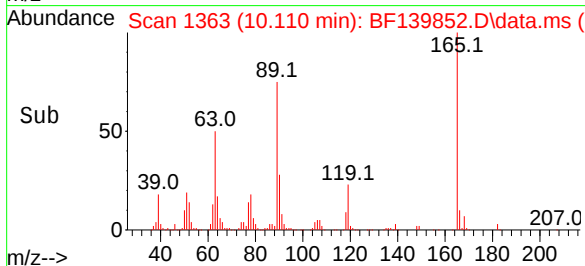
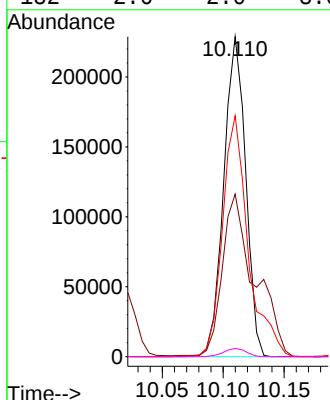
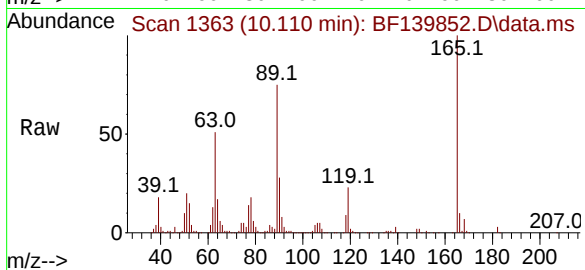
Ion Ratio Lower Upper

165 100

63 50.8 40.1 60.1

89 75.3 60.4 90.6

182 2.6 2.0 3.0



#58

Fluorene

Concen: 38.745 ng

RT: 10.480 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

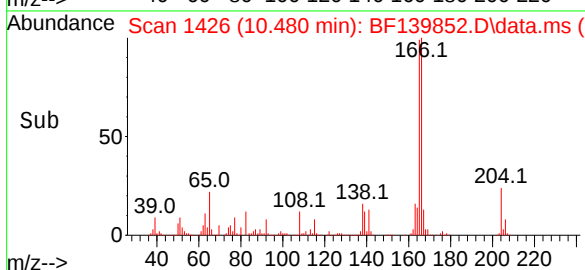
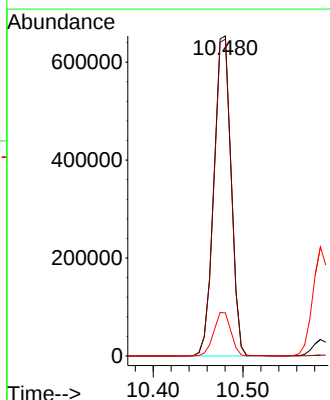
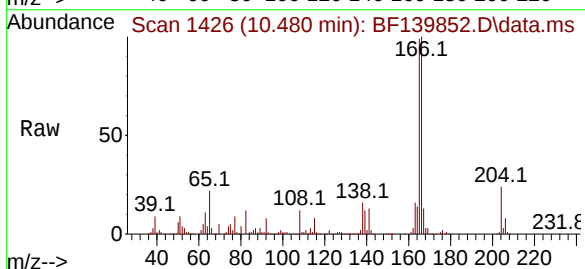
Tgt Ion:166 Resp: 868885

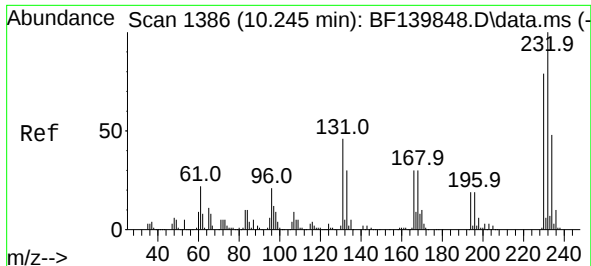
Ion Ratio Lower Upper

166 100

165 99.0 78.5 117.7

167 13.5 10.9 16.3





#59

2,3,4,6-Tetrachlorophenol

Concen: 39.905 ng

RT: 10.245 min Scan# 1386

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion:232 Resp: 241263

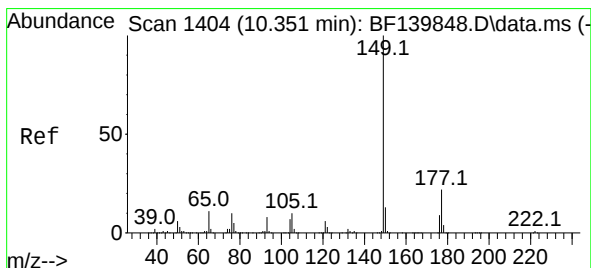
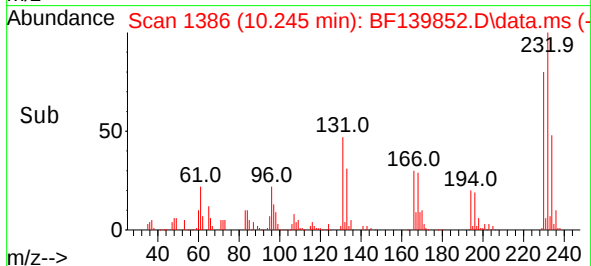
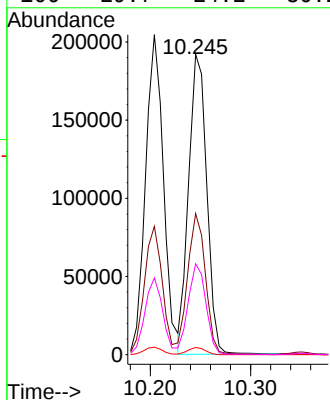
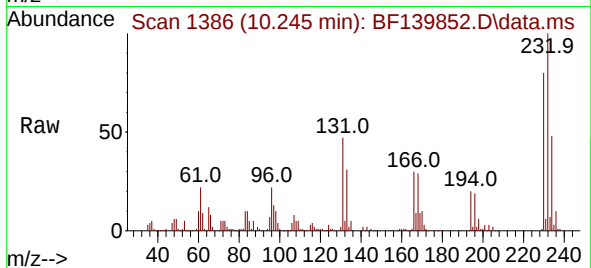
Ion Ratio Lower Upper

232 100

131 46.5 37.0 55.6

130 2.4 1.9 2.9

166 29.7 24.2 36.2



#60

Diethylphthalate

Concen: 39.526 ng

RT: 10.351 min Scan# 1404

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

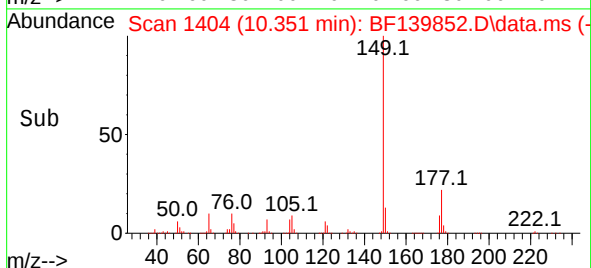
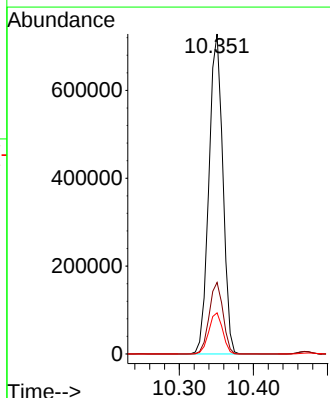
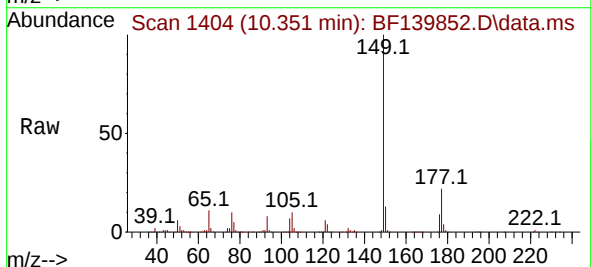
Tgt Ion:149 Resp: 946050

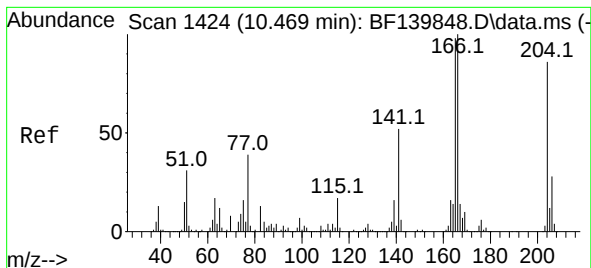
Ion Ratio Lower Upper

149 100

177 22.4 17.9 26.9

150 12.8 10.1 15.1

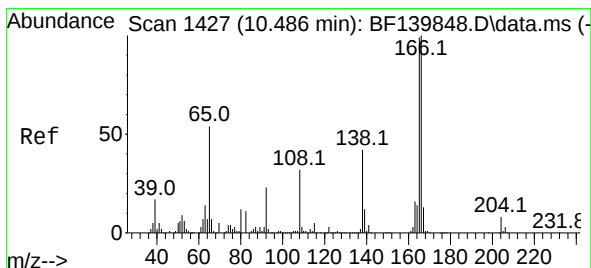
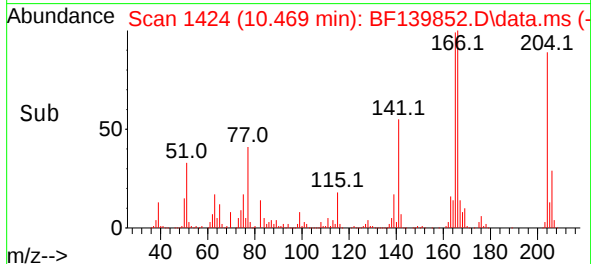
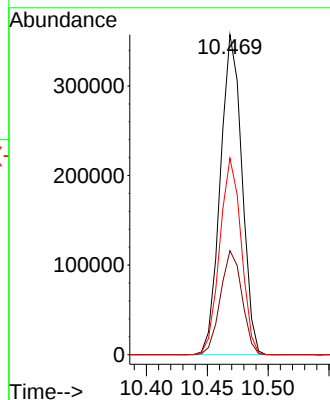
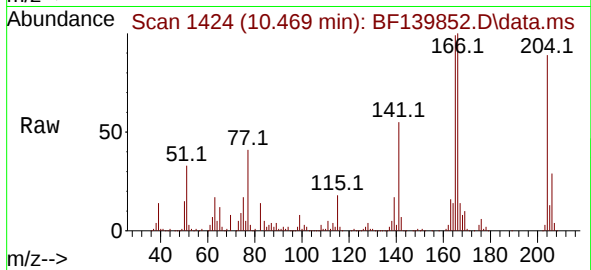




#61  
4-Chlorophenyl-phenylether  
Concen: 38.960 ng  
RT: 10.469 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

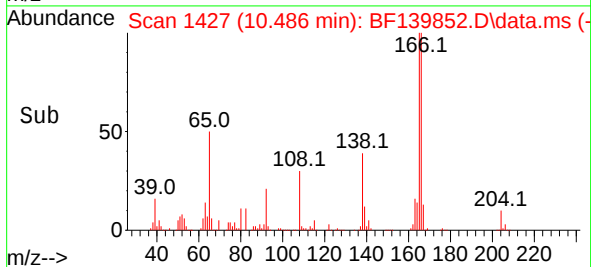
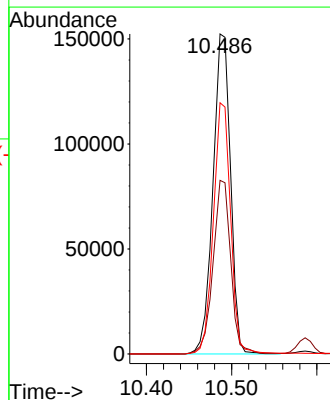
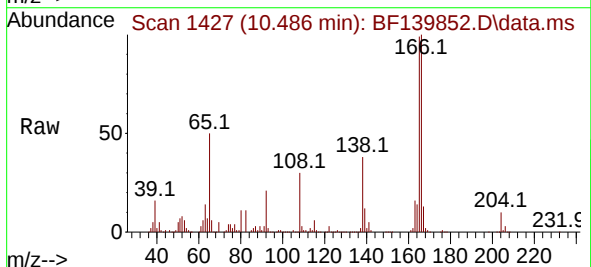
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

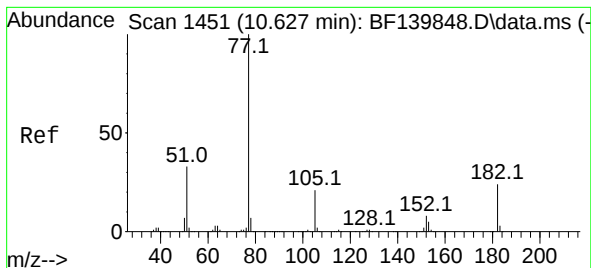
Tgt Ion:204 Resp: 441230  
Ion Ratio Lower Upper  
204 100  
206 32.5 26.3 39.5  
141 61.4 48.6 73.0



#62  
4-Nitroaniline  
Concen: 42.398 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:138 Resp: 217955  
Ion Ratio Lower Upper  
138 100  
92 54.3 35.7 75.7  
108 78.5 57.5 97.5





#63

Azobenzene

Concen: 39.595 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

Tgt Ion: 77 Resp: 1004700

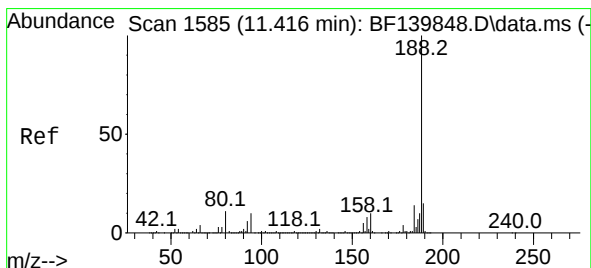
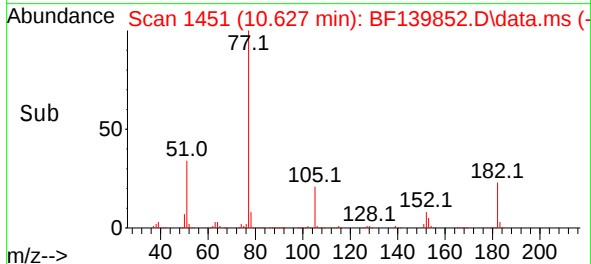
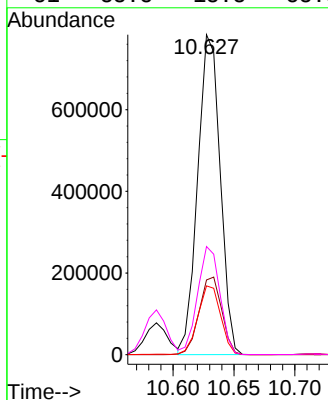
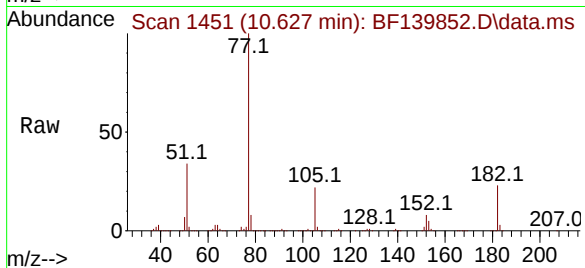
Ion Ratio Lower Upper

77 100

182 23.3 3.3 43.3

105 21.5 1.2 41.2

51 33.8 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: BF139852.D

Acq: 18 Oct 2024 14:19

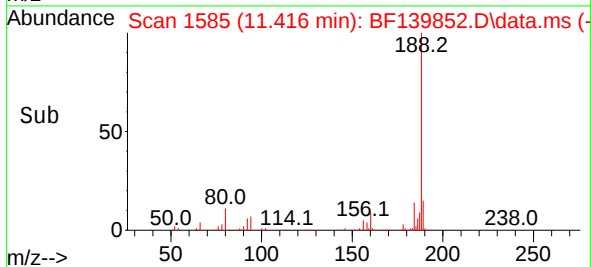
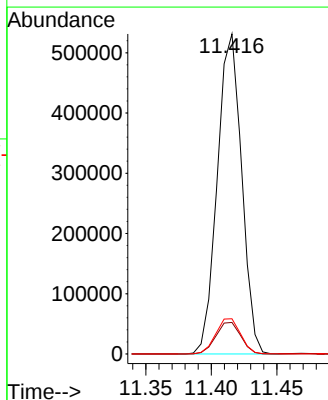
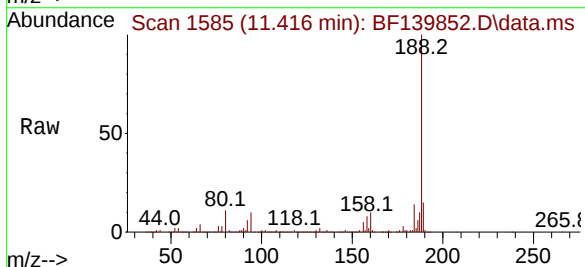
Tgt Ion:188 Resp: 685529

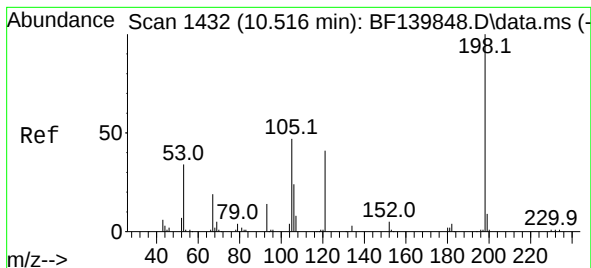
Ion Ratio Lower Upper

188 100

94 9.9 7.9 11.9

80 11.0 9.0 13.4

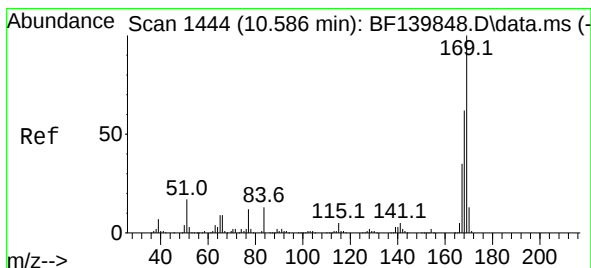
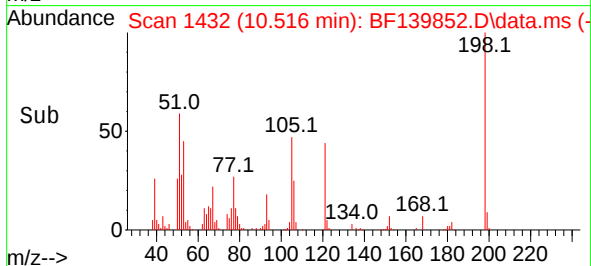
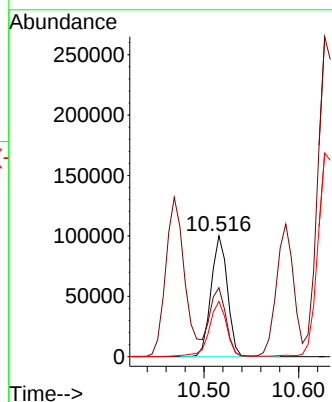
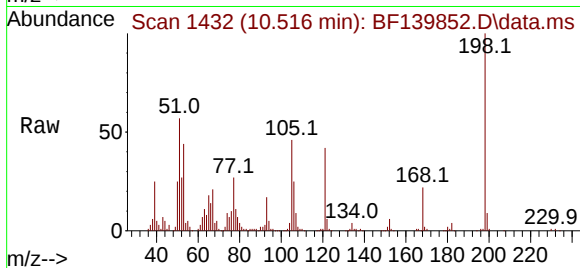




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.981 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

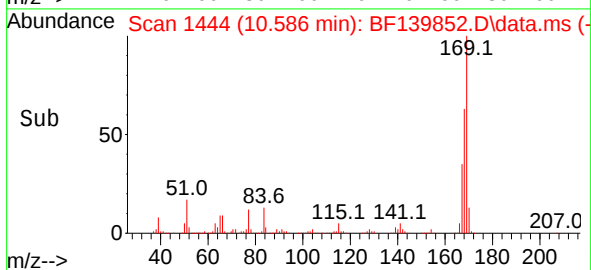
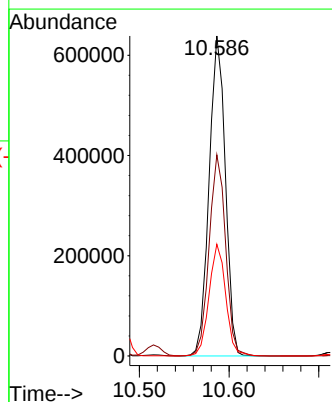
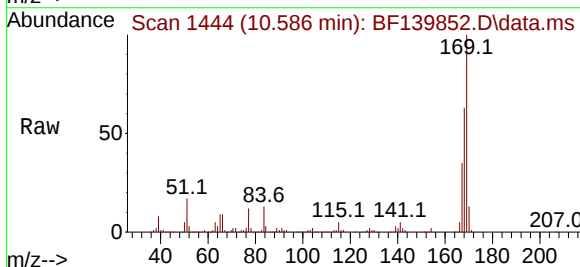
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

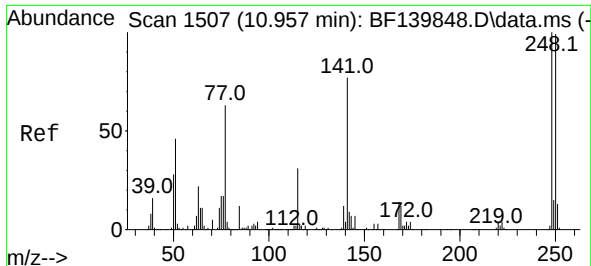
Tgt Ion:198 Resp: 120185  
Ion Ratio Lower Upper  
198 100  
51 57.1 38.2 78.2  
105 45.7 27.9 67.9



#66  
n-Nitrosodiphenylamine  
Concen: 39.107 ng  
RT: 10.586 min Scan# 1444  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:169 Resp: 802382  
Ion Ratio Lower Upper  
169 100  
168 62.9 49.8 74.6  
167 34.9 28.0 42.0





#67

4-Bromophenyl-phenylether

Concen: 39.802 ng

RT: 10.963 min Scan# 1508

Delta R.T. 0.006 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

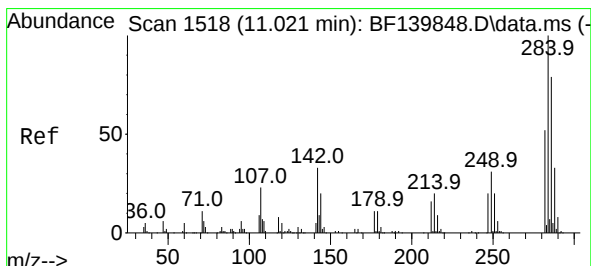
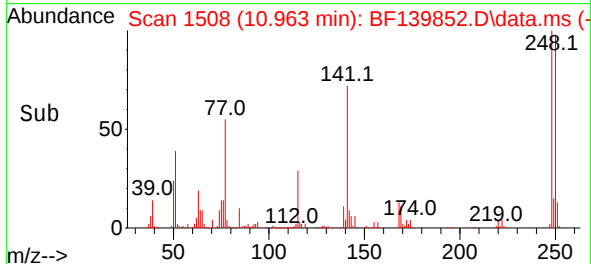
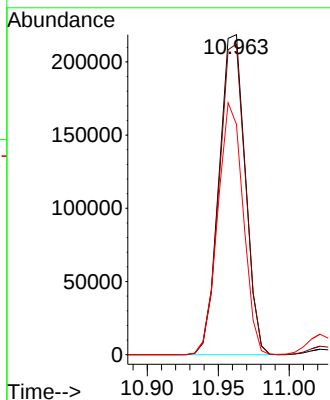
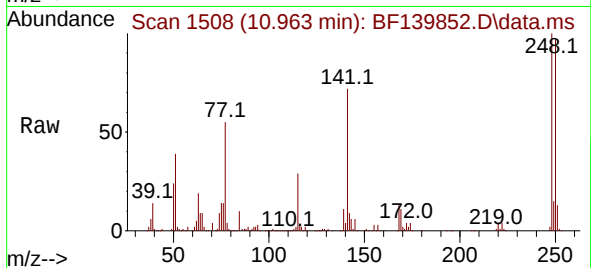
Tgt Ion:248 Resp: 281088

Ion Ratio Lower Upper

248 100

250 97.1 79.0 118.6

141 72.0 61.7 92.5



#68

Hexachlorobenzene

Concen: 39.013 ng

RT: 11.022 min Scan# 1518

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

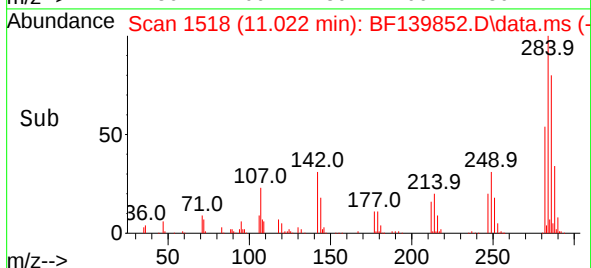
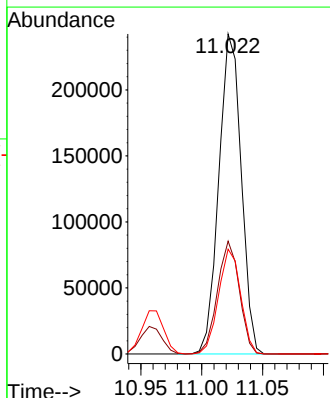
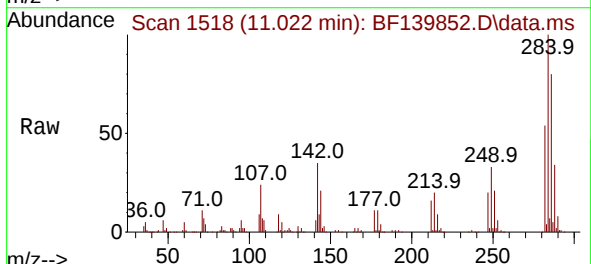
Tgt Ion:284 Resp: 309865

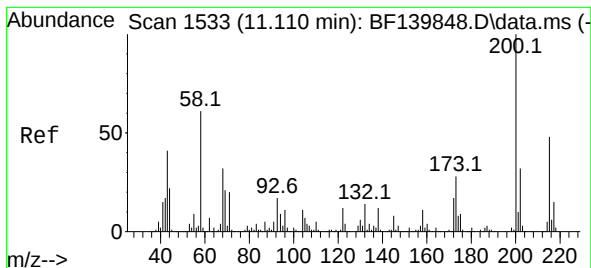
Ion Ratio Lower Upper

284 100

142 35.2 26.9 40.3

249 32.7 25.3 37.9





#69

Atrazine

Concen: 43.219 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

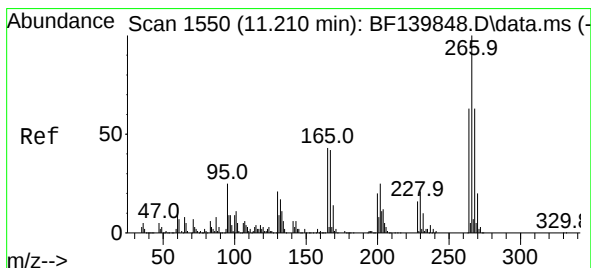
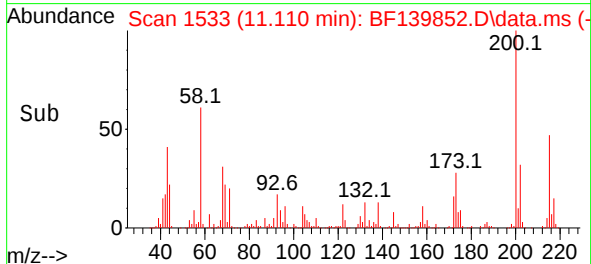
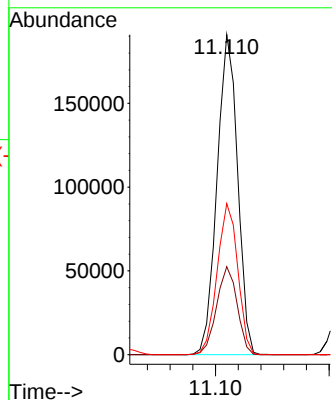
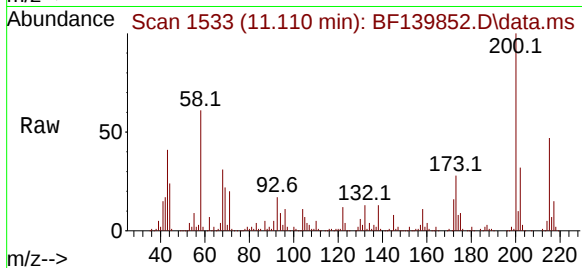
Tgt Ion:200 Resp: 240210

Ion Ratio Lower Upper

200 100

173 27.5 7.7 47.7

215 47.2 27.7 67.7



#70

Pentachlorophenol

Concen: 42.040 ng

RT: 11.210 min Scan# 1550

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

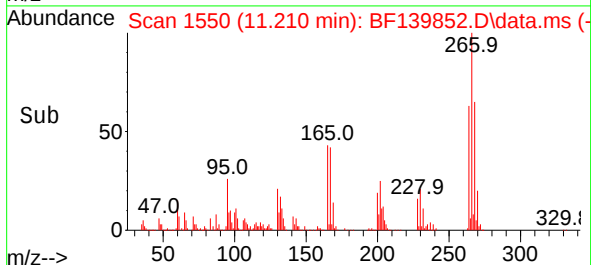
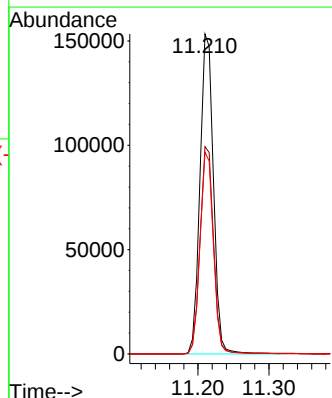
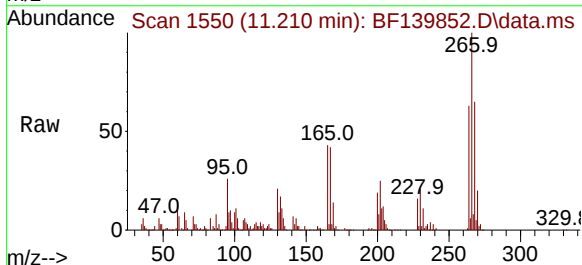
Tgt Ion:266 Resp: 202652

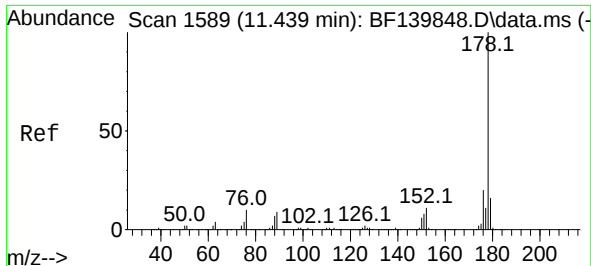
Ion Ratio Lower Upper

266 100

268 64.8 50.4 75.6

264 63.1 50.6 75.8

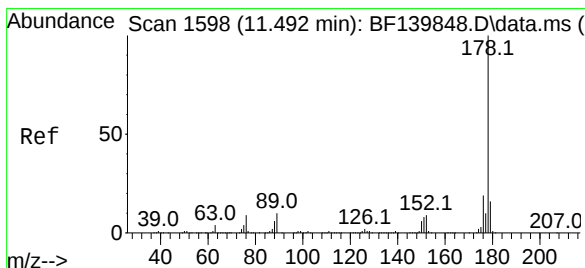
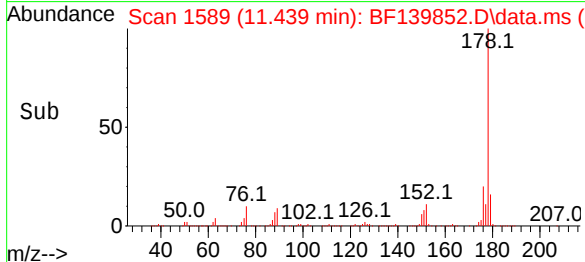
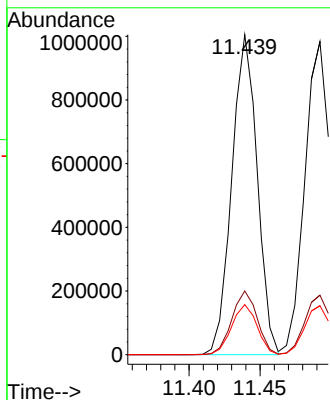
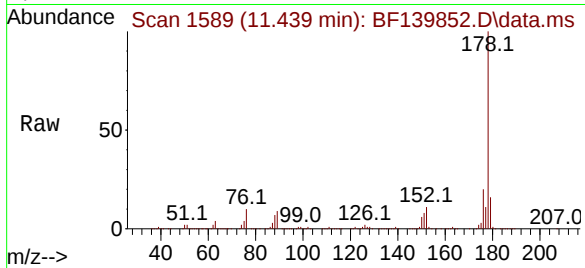




#71  
Phenanthrene  
Concen: 38.667 ng  
RT: 11.439 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

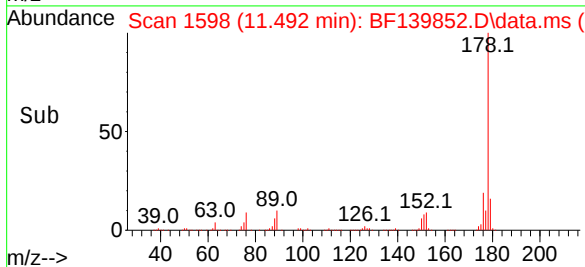
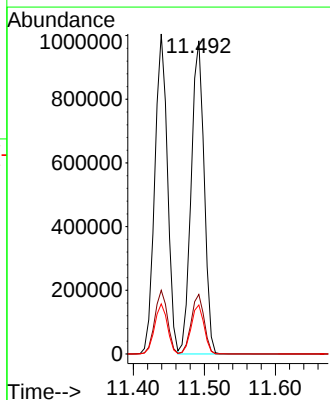
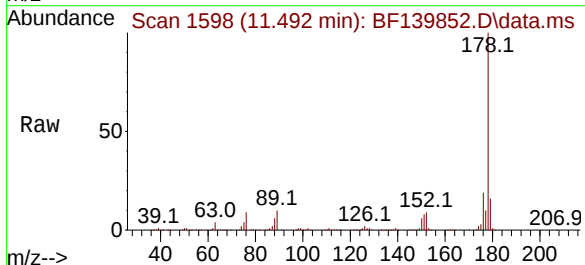
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

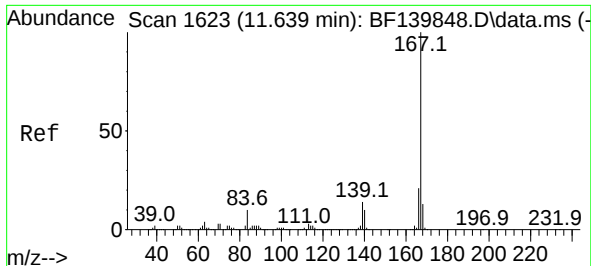
Tgt Ion:178 Resp: 1252089  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.8 23.6  
179 15.7 12.6 18.8



#72  
Anthracene  
Concen: 39.415 ng  
RT: 11.492 min Scan# 1598  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:178 Resp: 1245292  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 15.7 12.4 18.6

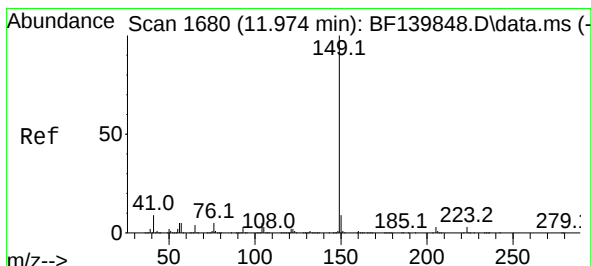
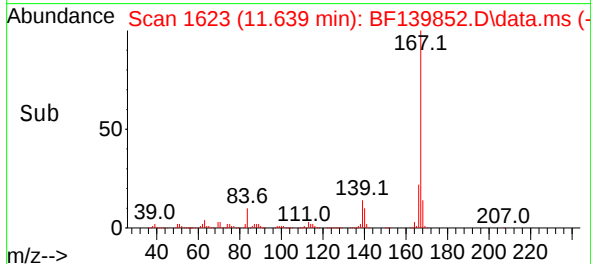
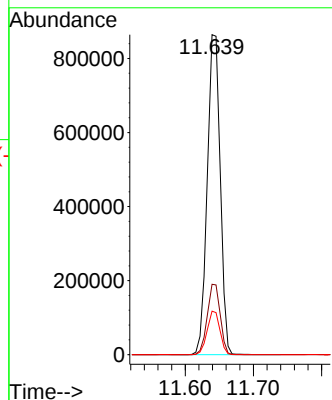
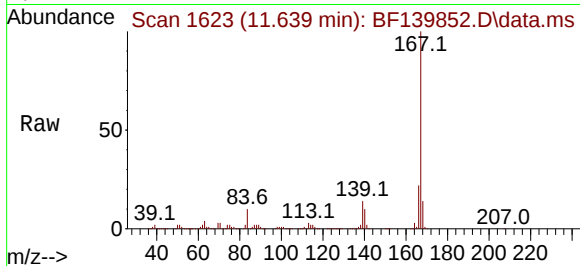




#73  
 Carbazole  
 Concen: 38.984 ng  
 RT: 11.639 min Scan# 1623  
 Delta R.T. 0.000 min  
 Lab File: BF139852.D  
 Acq: 18 Oct 2024 14:19

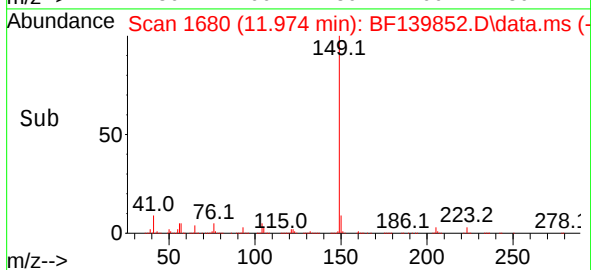
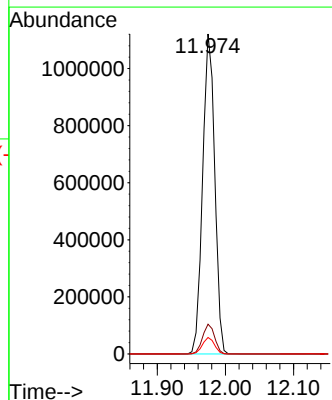
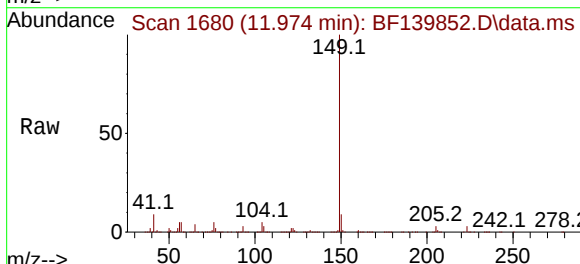
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF101824

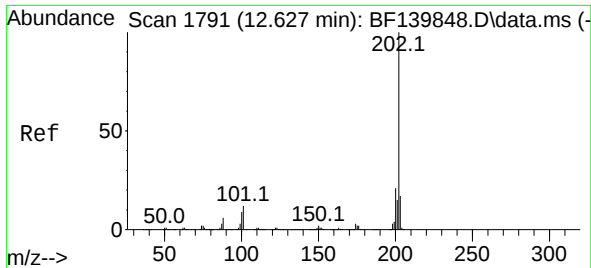
Tgt Ion:167 Resp: 1145479  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.0 25.6  
 139 13.6 10.8 16.2



#74  
 Di-n-butylphthalate  
 Concen: 40.725 ng  
 RT: 11.974 min Scan# 1680  
 Delta R.T. 0.000 min  
 Lab File: BF139852.D  
 Acq: 18 Oct 2024 14:19

Tgt Ion:149 Resp: 1382523  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.5 11.3  
 104 5.1 4.1 6.1

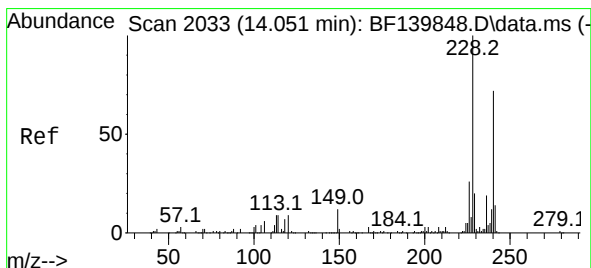
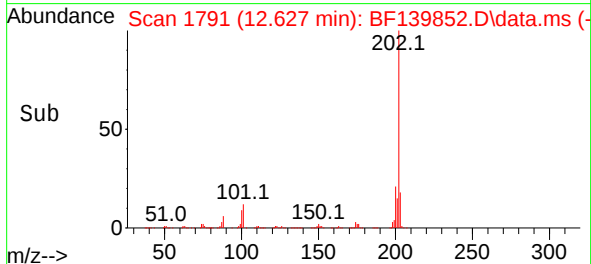
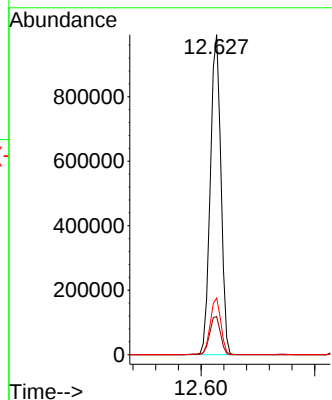
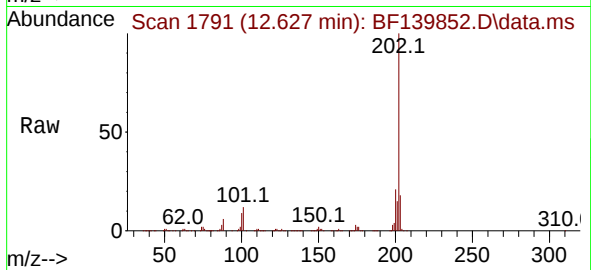




#75  
Fluoranthene  
Concen: 38.914 ng  
RT: 12.627 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

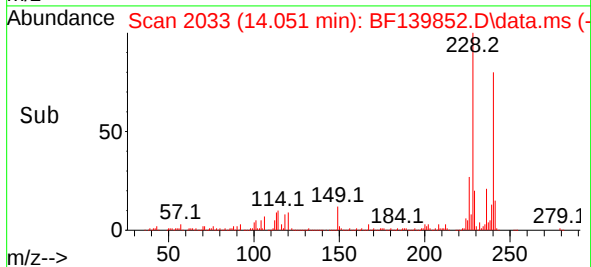
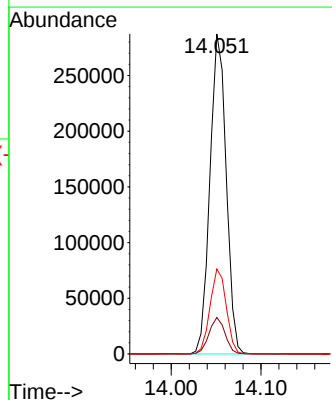
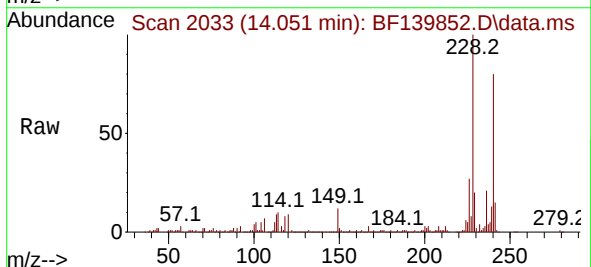
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

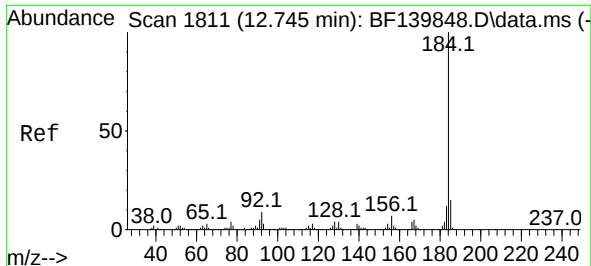
Tgt Ion:202 Resp: 1273839  
Ion Ratio Lower Upper  
202 100  
101 11.9 0.0 31.9  
203 17.7 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:240 Resp: 361675  
Ion Ratio Lower Upper  
240 100  
120 11.4 9.4 14.2  
236 26.5 20.9 31.3

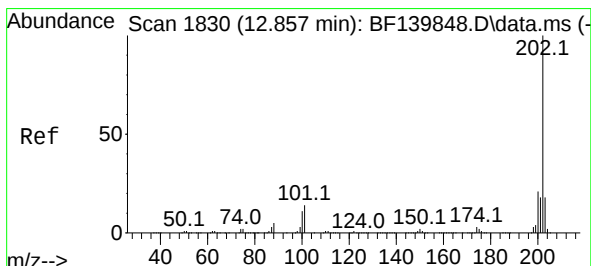
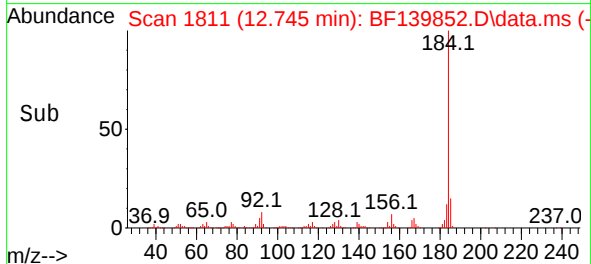
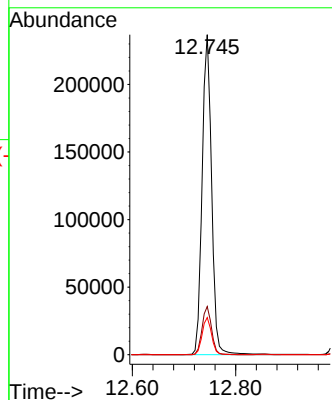
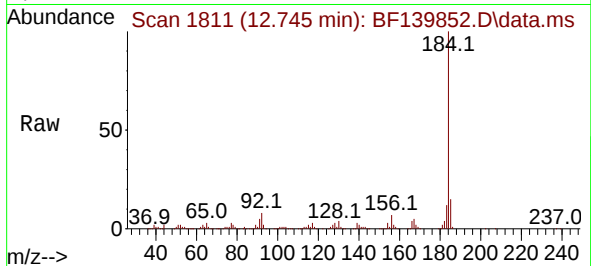




#77  
Benzidine  
Concen: 50.703 ng  
RT: 12.745 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

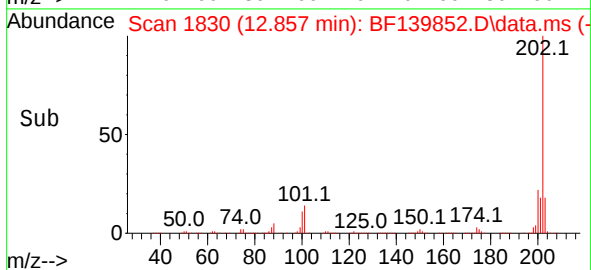
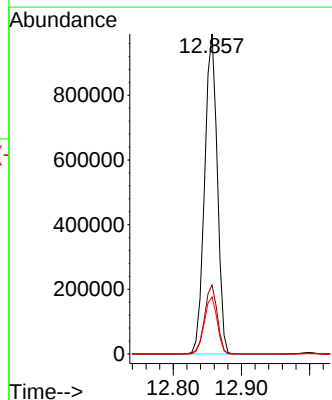
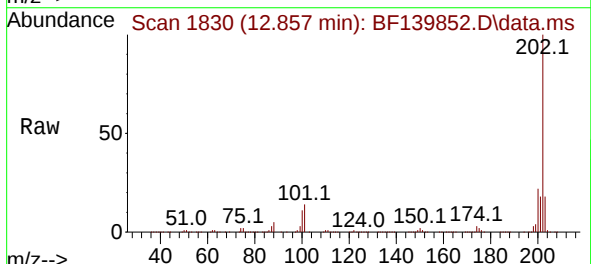
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824

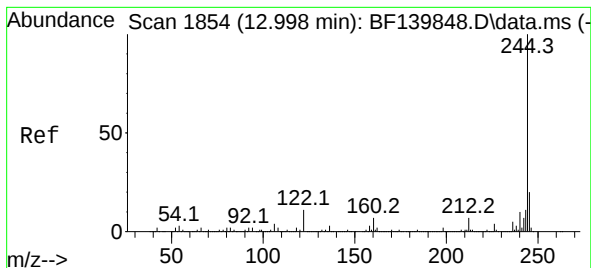
Tgt Ion:184 Resp: 301541  
Ion Ratio Lower Upper  
184 100  
185 15.0 12.0 18.0  
183 11.6 9.4 14.2



#78  
Pyrene  
Concen: 40.294 ng  
RT: 12.857 min Scan# 1830  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

Tgt Ion:202 Resp: 1275659  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.2 25.8  
203 17.8 14.2 21.4





#79

Terphenyl-d14

Concen: 79.672 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

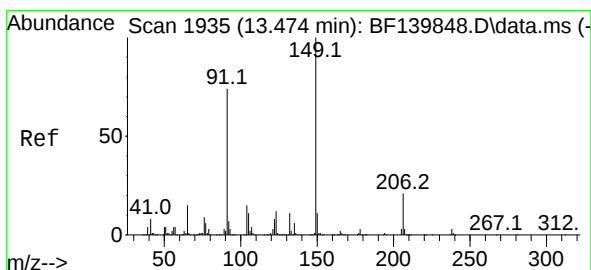
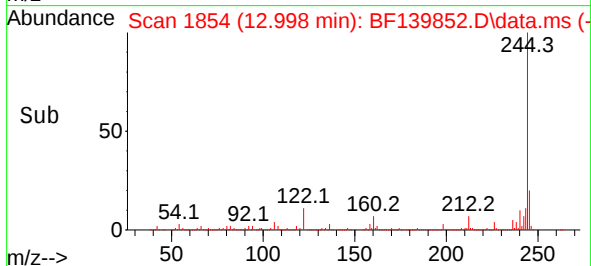
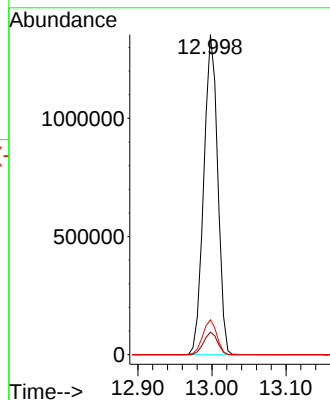
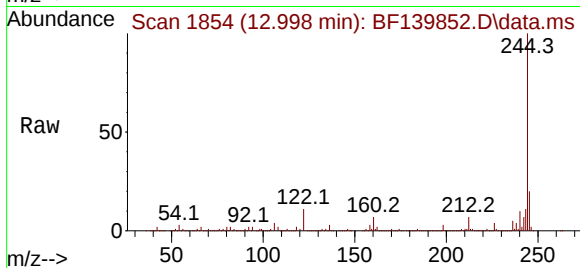
Tgt Ion:244 Resp: 1768377

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 10.9 8.6 13.0



#80

Butylbenzylphthalate

Concen: 43.062 ng

RT: 13.474 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

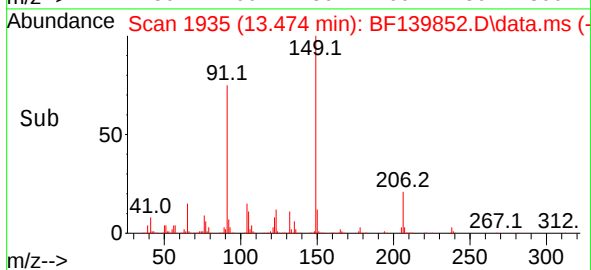
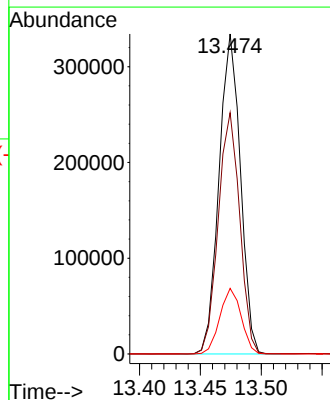
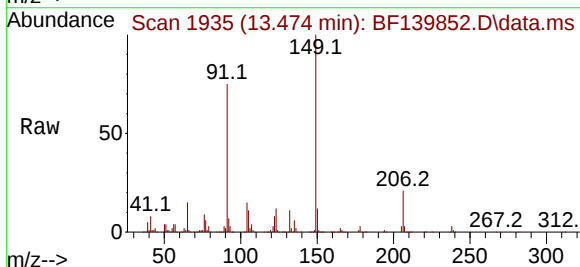
Tgt Ion:149 Resp: 408717

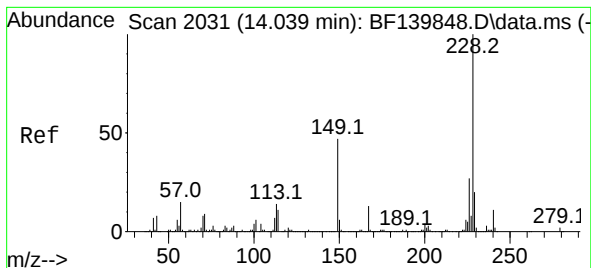
Ion Ratio Lower Upper

149 100

91 75.4 59.4 89.2

206 20.5 16.4 24.6





#81

Benzo(a)anthracene

Concen: 40.474 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

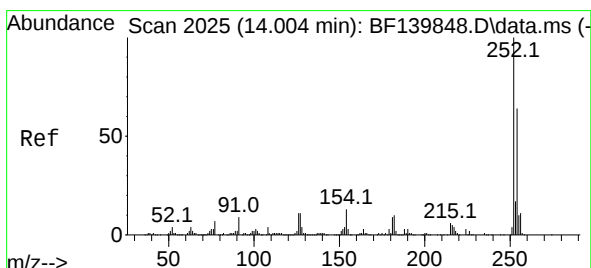
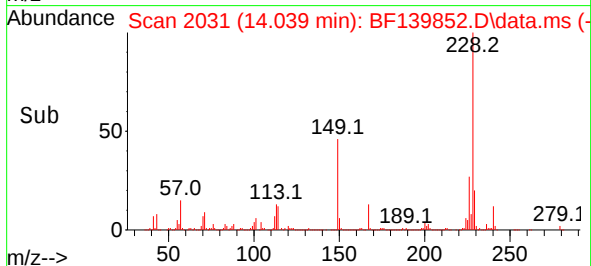
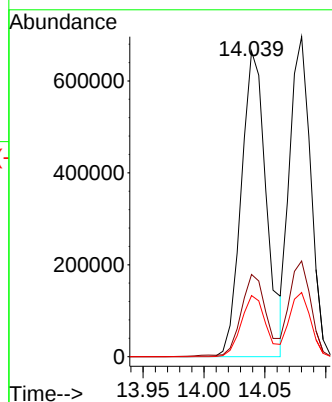
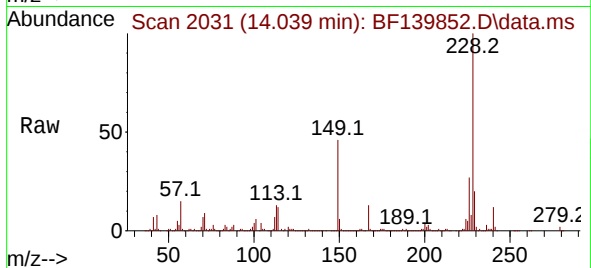
Tgt Ion:228 Resp: 952915

Ion Ratio Lower Upper

228 100

226 26.9 21.6 32.4

229 20.0 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 40.335 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

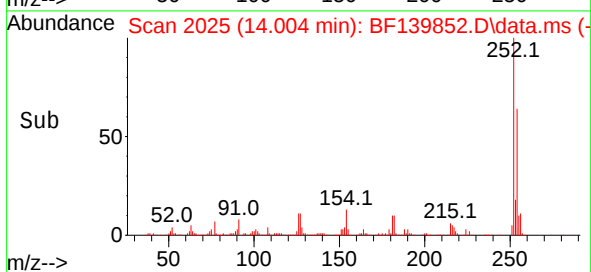
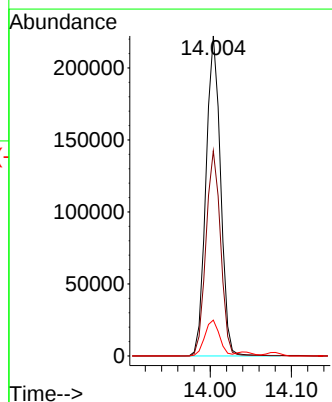
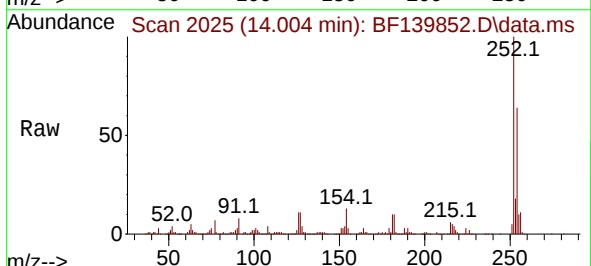
Tgt Ion:252 Resp: 276886

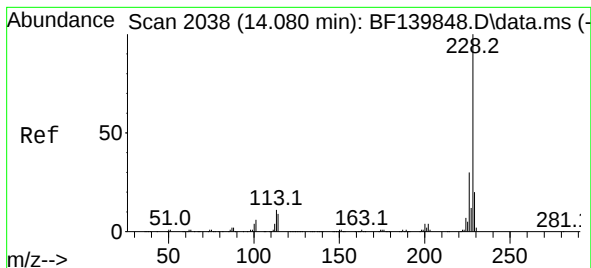
Ion Ratio Lower Upper

252 100

254 64.1 50.8 76.2

126 11.2 8.9 13.3





#83

Chrysene

Concen: 38.669 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

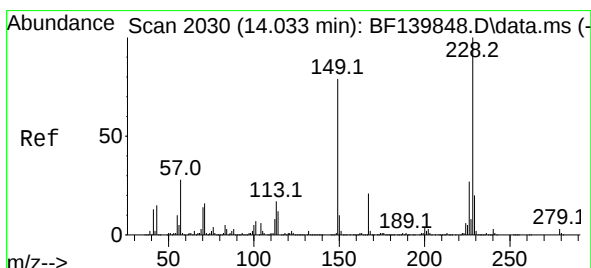
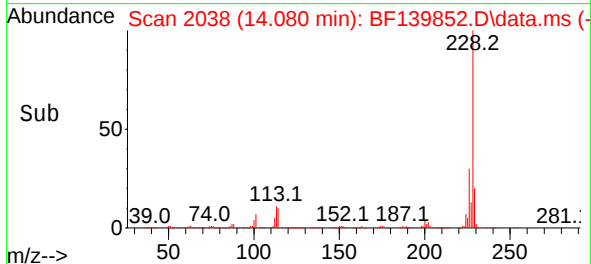
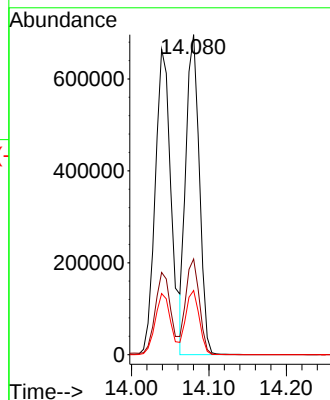
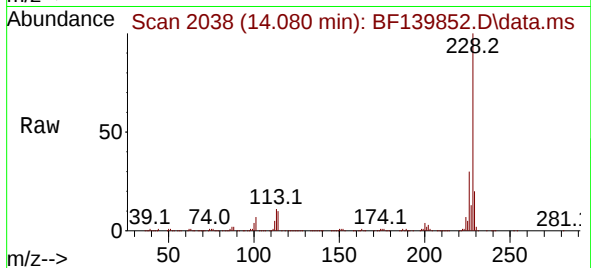
Tgt Ion:228 Resp: 834741

Ion Ratio Lower Upper

228 100

226 29.9 24.1 36.1

229 20.0 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.970 ng

RT: 14.033 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

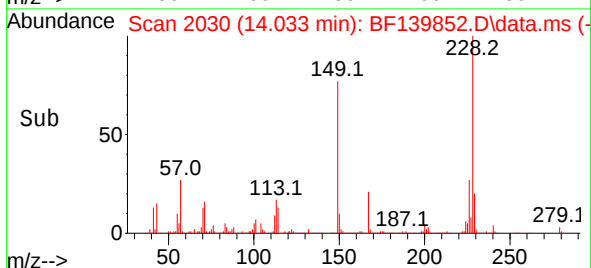
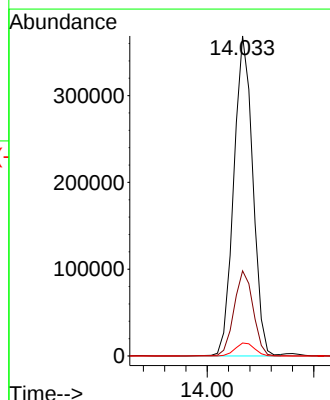
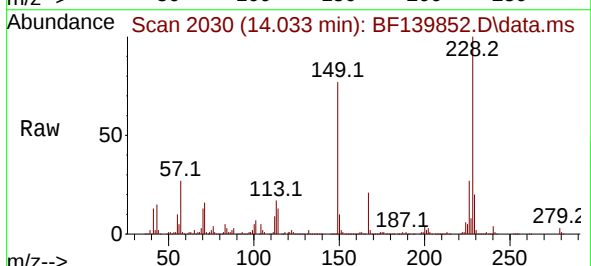
Tgt Ion:149 Resp: 457578

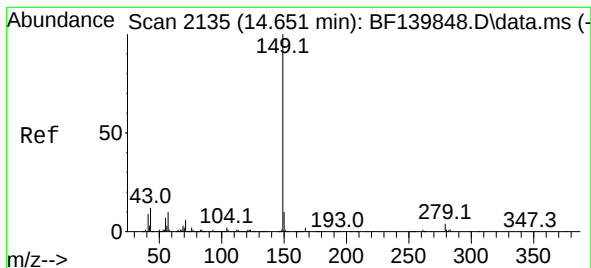
Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.0

279 4.0 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 40.806 ng

RT: 14.651 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

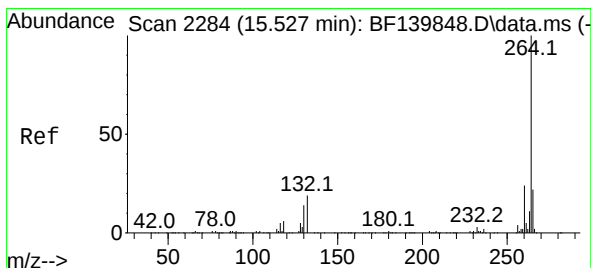
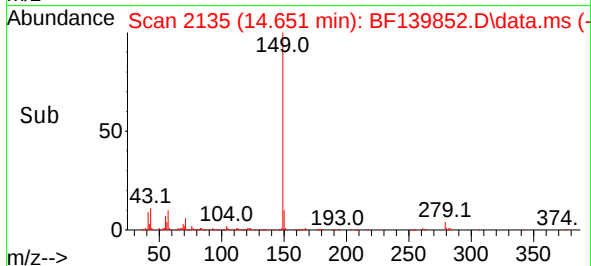
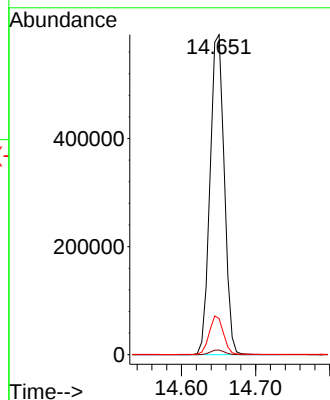
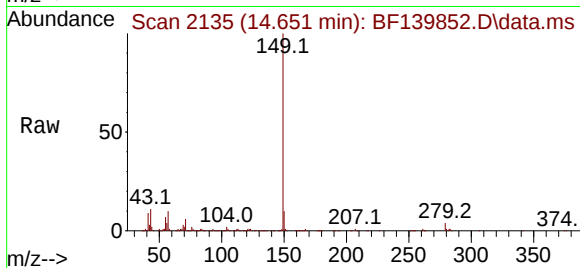
Tgt Ion:149 Resp: 790368

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 12.1 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

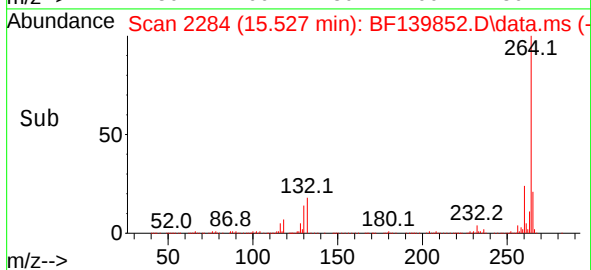
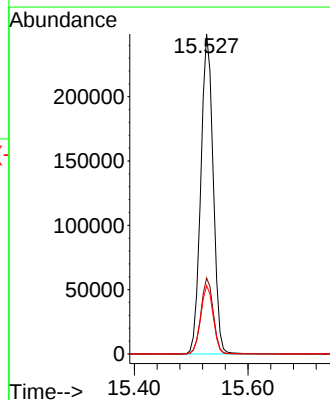
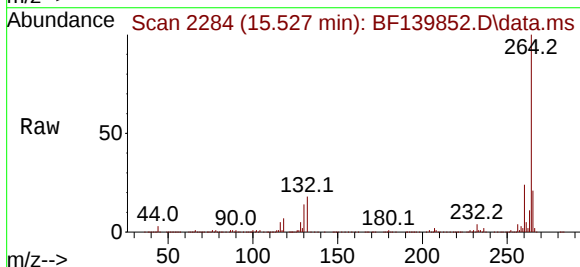
Tgt Ion:264 Resp: 376682

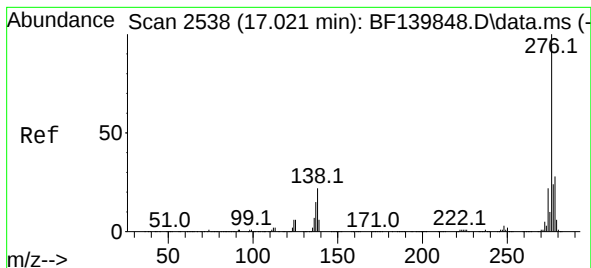
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.3 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.587 ng

RT: 17.021 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BF139852.D

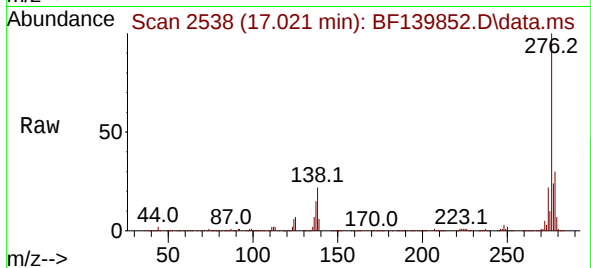
Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824



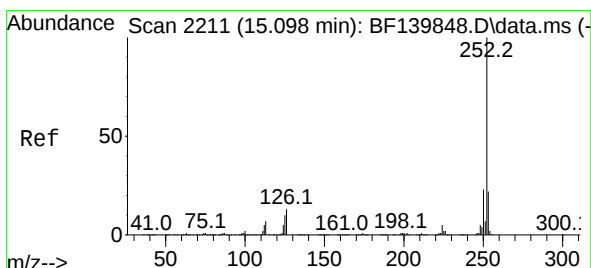
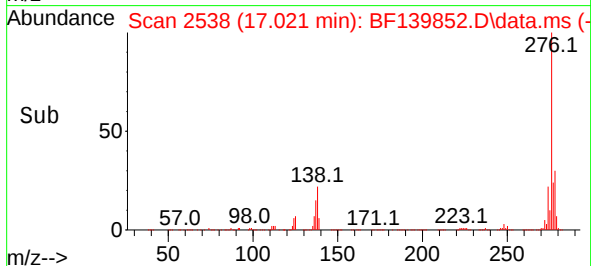
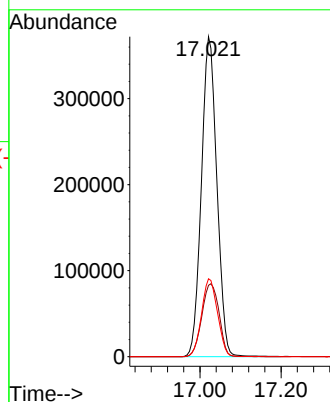
Tgt Ion:276 Resp: 983536

Ion Ratio Lower Upper

276 100

138 25.4 20.4 30.6

277 25.2 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 39.860 ng

RT: 15.092 min Scan# 2210

Delta R.T. -0.006 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

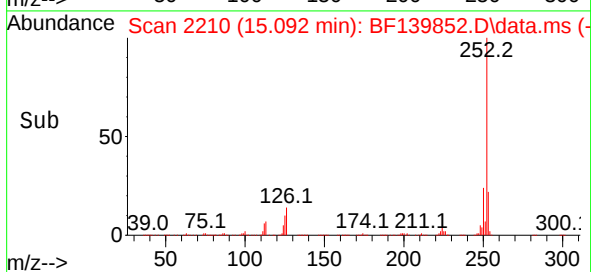
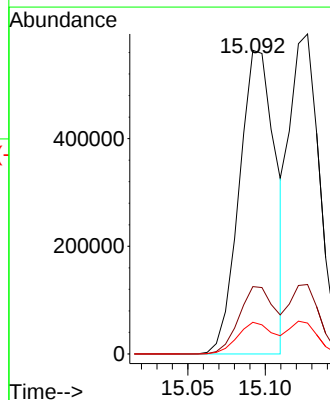
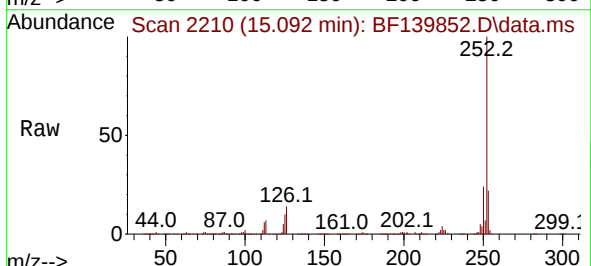
Tgt Ion:252 Resp: 914611

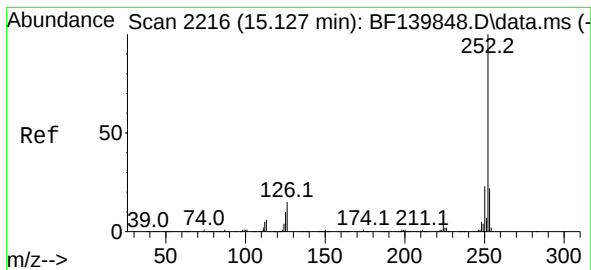
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 40.037 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

Instrument :

BNA\_F

ClientSampleId :

ICVBF101824

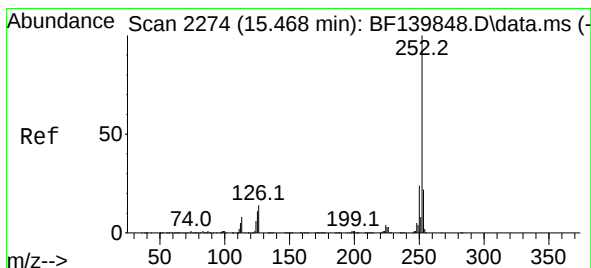
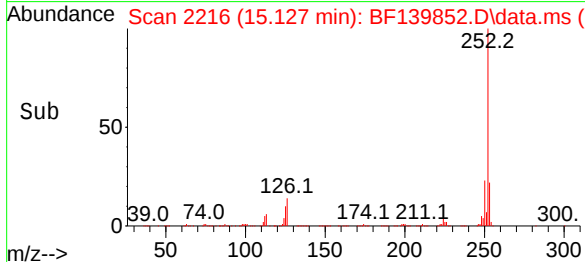
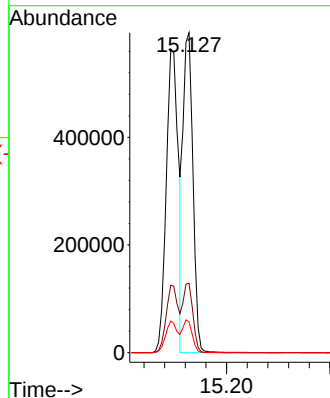
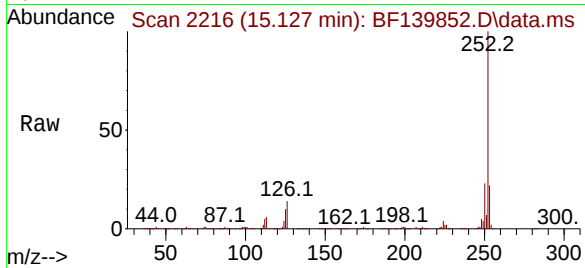
Tgt Ion:252 Resp: 792298

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 9.7 7.9 11.9



#90

Benzo(a)pyrene

Concen: 40.804 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF139852.D

Acq: 18 Oct 2024 14:19

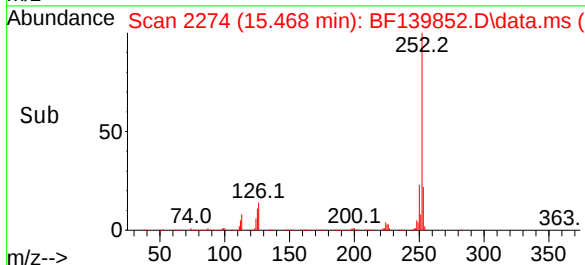
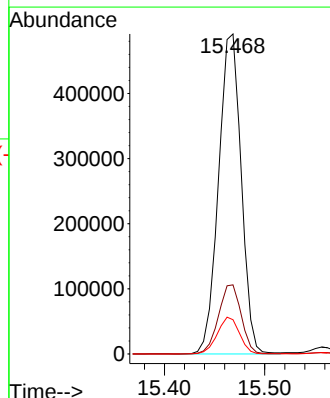
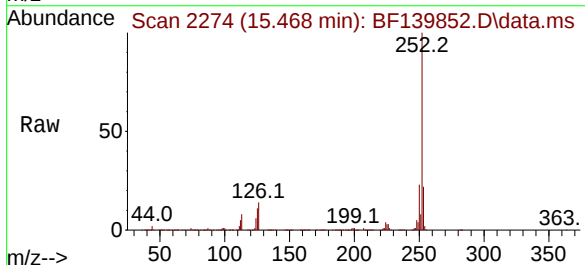
Tgt Ion:252 Resp: 770397

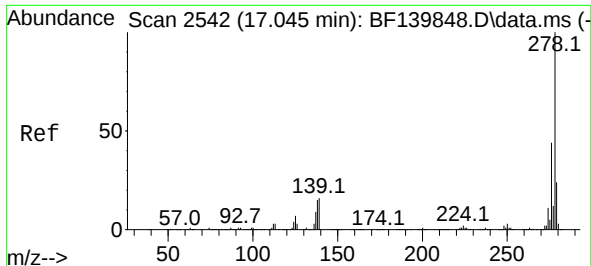
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

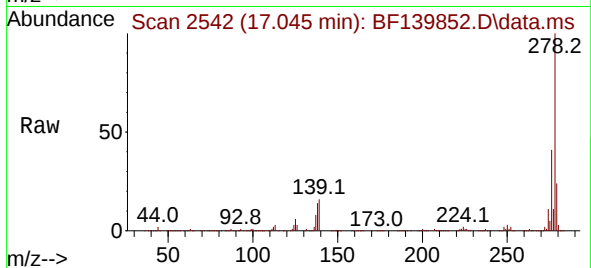
125 10.7 8.7 13.1



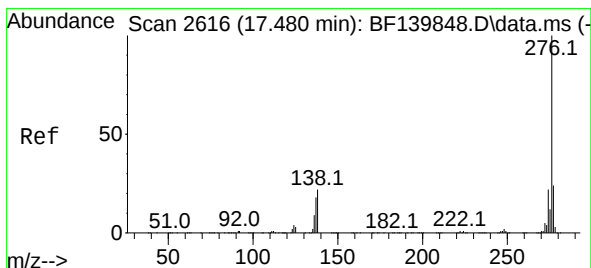
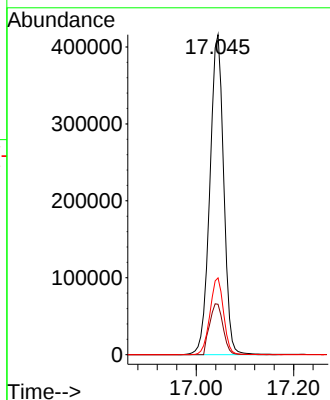
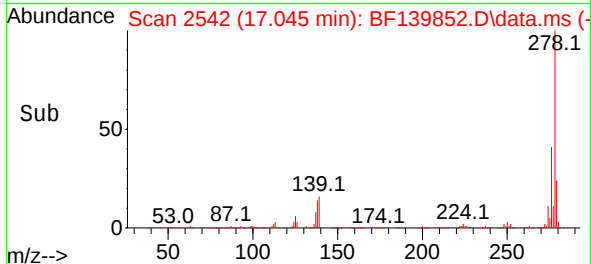


#91  
Dibenzo(a,h)anthracene  
Concen: 40.494 ng  
RT: 17.045 min Scan# 2542  
Delta R.T. 0.000 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19

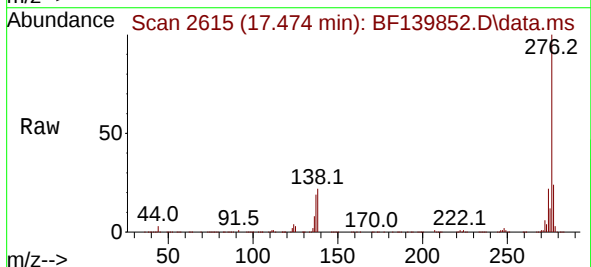
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF101824



Tgt Ion:278 Resp: 818608  
Ion Ratio Lower Upper  
278 100  
139 15.7 13.1 19.7  
279 24.0 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 39.948 ng  
RT: 17.474 min Scan# 2615  
Delta R.T. -0.006 min  
Lab File: BF139852.D  
Acq: 18 Oct 2024 14:19



Tgt Ion:276 Resp: 806660  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.0 28.6  
138 22.1 17.4 26.0

