

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050323\  
 Data File : BF133214.D  
 Acq On : 03 May 2023 18:48  
 Operator : CG\JU  
 Sample : 02588-09MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

Quant Time: May 04 01:40:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:31:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 201011   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 833430   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.769  | 164  | 429818   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.251 | 188  | 697507   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 360468   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.304 | 264  | 430520   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1463899  | 110.013 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.375  | 99   | 1773521  | 107.380 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 1096325  | 71.003  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 336256   | 77.789  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.092  | 172  | 1780271  | 69.294  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.833 | 244  | 1493625  | 71.463  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.463  | 88   | 261082   | 42.300  | ng    | 97       |
| 3) Pyridine                   | 3.157  | 79   | 649257   | 39.606  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.116  | 42   | 355758   | 41.898  | ng    | 99       |
| 6) Aniline                    | 6.393  | 93   | 442299   | 20.792  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.516  | 128  | 632840   | 46.841  | ng    | 95       |
| 9) Benzaldehyde               | 6.275  | 77   | 346627   | 49.201  | ng    | 98       |
| 10) Phenol                    | 6.393  | 94   | 754886   | 41.431  | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 592353   | 43.323  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 655620   | 45.643  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 672054   | 46.683  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 639072   | 48.151  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 530757   | 46.522  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.010  | 45   | 992649   | 41.799  | ng    | 93       |
| 17) 2-Methylphenol            | 6.998  | 107  | 526155   | 42.530  | ng    | 98       |
| 18) Hexachloroethane          | 7.240  | 117  | 232318   | 46.417  | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.151  | 70   | 411697   | 40.040  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 680022   | 46.675  | ng    | # 75     |
| 22) Acetophenone              | 7.140  | 105  | 830453   | 43.015  | ng    | # 96     |
| 24) Nitrobenzene              | 7.316  | 77   | 640860   | 40.959  | ng    | 97       |
| 25) Isophorone                | 7.557  | 82   | 1199920  | 40.930  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.634  | 139  | 352732   | 46.740  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 575372   | 44.463  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 734948   | 42.377  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.881  | 162  | 523186   | 44.412  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.957  | 180  | 537614   | 44.051  | ng    | 100      |
| 31) Naphthalene               | 8.039  | 128  | 1773715  | 42.567  | ng    | 99       |
| 32) Benzoic acid              | 7.798  | 122  | 39545    | 4.947   | ng    | 95       |
| 33) 4-Chloroaniline           | 8.087  | 127  | 284224   | 16.882  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 293744   | 43.427  | ng    | 99       |
| 35) Caprolactam               | 8.457  | 113  | 123461   | 31.197  | ng    | 88       |
| 36) 4-Chloro-3-methylphenol   | 8.581  | 107  | 555946   | 43.763  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.728  | 142  | 1172846  | 41.170  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.828  | 142  | 1095397  | 41.103  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.898  | 216  | 485556   | 42.015  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.886  | 237  | 424745   | 63.020  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.010  | 196  | 310726   | 38.879  | ng    | 99       |

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 Sample : 02588-09MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

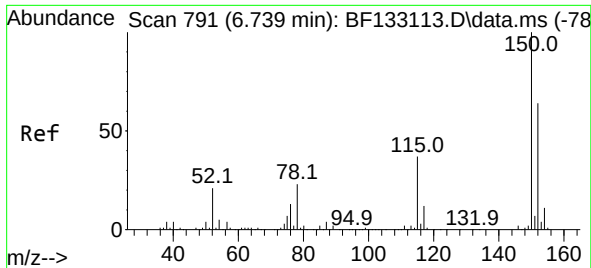
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

Quant Time: May 04 01:40:11 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 03 17:31:52 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 328238   | 35.511 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.192  | 154  | 1419516  | 41.649 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 1079395  | 43.269 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.316  | 65   | 355139   | 43.075 | ng    | 96       |
| 49) Acenaphthylene            | 9.633  | 152  | 1663297  | 41.728 | ng    | 100      |
| 50) Dimethylphthalate         | 9.498  | 163  | 1276358  | 42.587 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 297180   | 44.056 | ng    | 93       |
| 52) Acenaphthene              | 9.804  | 154  | 1031195  | 38.627 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.722  | 138  | 253386   | 31.592 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.828  | 184  | 16238    | 4.789  | ng    | 91       |
| 55) Dibenzofuran              | 9.975  | 168  | 1497011  | 41.108 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 362250   | 58.314 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 381673   | 44.368 | ng    | 97       |
| 58) Fluorene                  | 10.316 | 166  | 1097673  | 41.142 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.051 | 232  | 180178   | 25.144 | ng    | 91       |
| 60) Diethylphthalate          | 10.192 | 149  | 1202092  | 42.463 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.310 | 204  | 535270   | 41.169 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.339 | 138  | 322239   | 43.713 | ng    | 98       |
| 63) Azobenzene                | 10.469 | 77   | 1221708  | 40.739 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198  | 40843    | 9.661  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.428 | 169  | 1018449  | 45.014 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 332901   | 44.006 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.869 | 284  | 348965   | 45.018 | ng    | 98       |
| 69) Atrazine                  | 10.957 | 200  | 333981   | 51.229 | ng    | 97       |
| 70) Pentachlorophenol         | 11.057 | 266  | 156932   | 28.426 | ng    | 98       |
| 71) Phenanthrene              | 11.275 | 178  | 1617402  | 43.143 | ng    | 100      |
| 72) Anthracene                | 11.328 | 178  | 1611525  | 42.004 | ng    | 99       |
| 73) Carbazole                 | 11.480 | 167  | 1423513  | 41.669 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.816 | 149  | 1764395  | 45.639 | ng    | 100      |
| 75) Fluoranthene              | 12.463 | 202  | 1442173  | 38.331 | ng    | 97       |
| 77) Benzidine                 | 12.833 | 184  | 18265    | 2.996  | ng    | 98       |
| 78) Pyrene                    | 12.686 | 202  | 1420289  | 45.963 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.310 | 149  | 574004   | 52.463 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1048844  | 42.312 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 204927   | 29.926 | ng    | 99       |
| 83) Chrysene                  | 13.916 | 228  | 1055259  | 42.581 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.874 | 149  | 675574   | 49.193 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.486 | 149  | 1293708  | 57.774 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.686 | 276  | 1079081  | 44.064 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.904 | 252  | 1210540  | 44.198 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.933 | 252  | 1110251  | 40.892 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.251 | 252  | 1055776  | 42.350 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.704 | 278  | 894718   | 43.805 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.104 | 276  | 806626   | 40.002 | ng    | 97       |

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

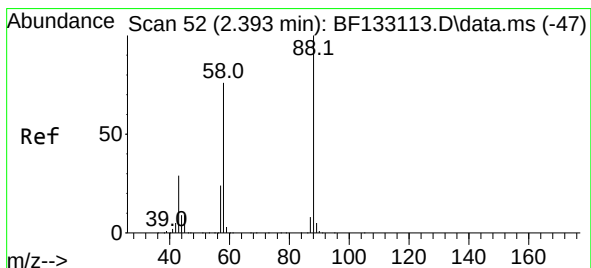
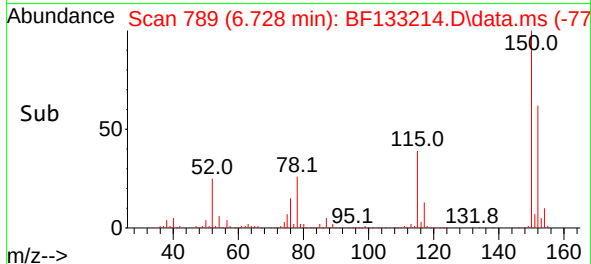
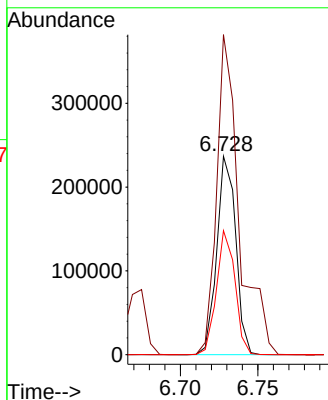
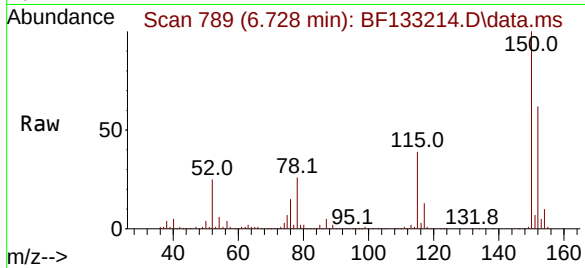




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.728 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

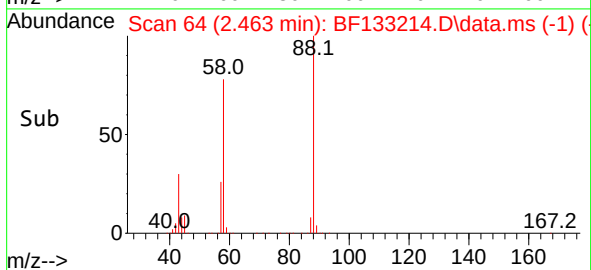
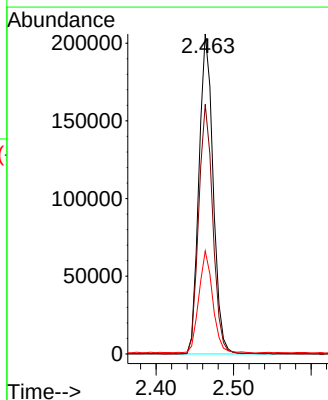
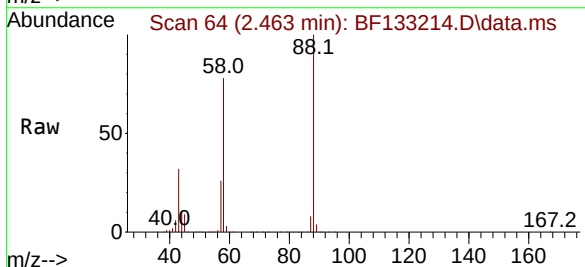
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

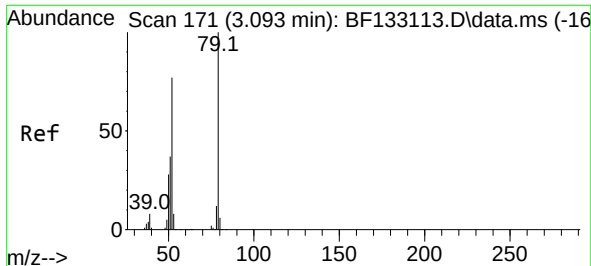
Tgt Ion:152 Resp: 201011  
 Ion Ratio Lower Upper  
 152 100  
 150 161.3 124.8 187.2  
 115 62.5 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 42.300 ng  
 RT: 2.463 min Scan# 64  
 Delta R.T. 0.088 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

Tgt Ion: 88 Resp: 261082  
 Ion Ratio Lower Upper  
 88 100  
 58 78.1 64.7 97.1  
 43 31.5 26.2 39.2

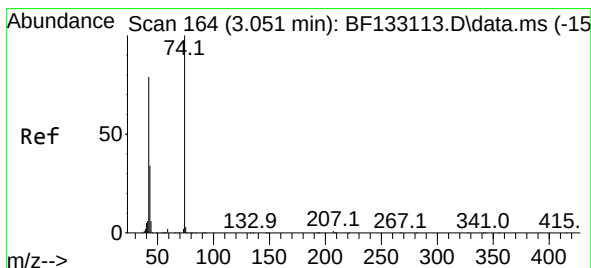
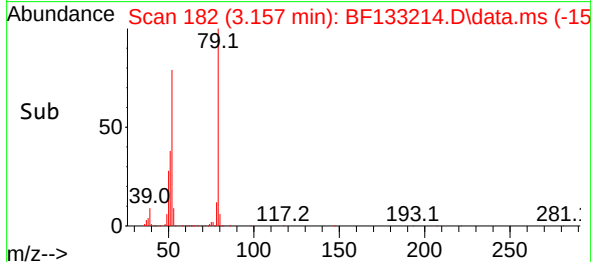
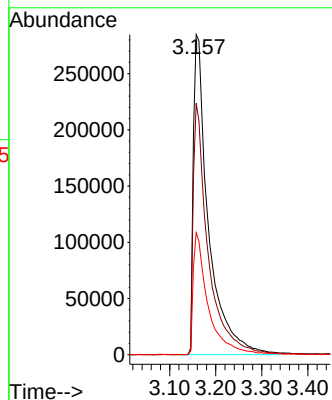
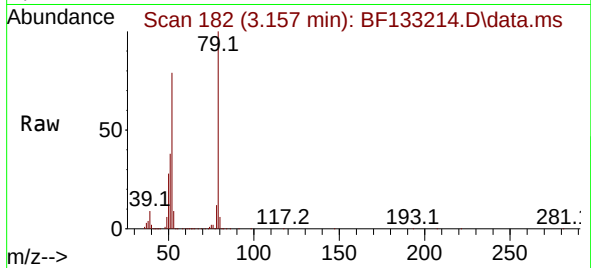




#3  
Pyridine  
Concen: 39.606 ng  
RT: 3.157 min Scan# 11  
Delta R.T. 0.082 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

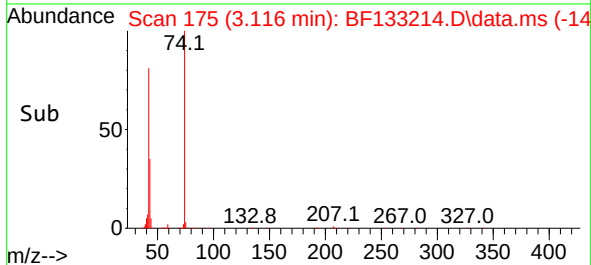
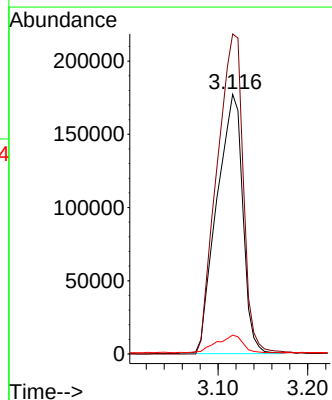
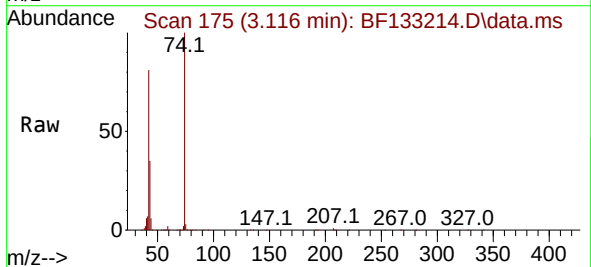
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ClientSampleId :  
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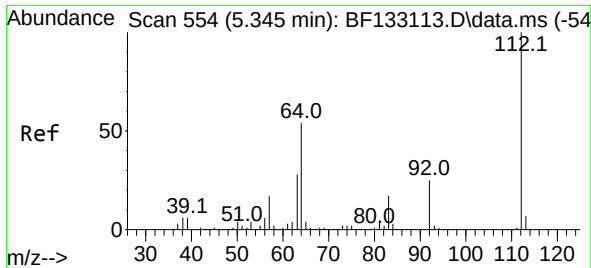
Tgt Ion: 79 Resp: 649257  
Ion Ratio Lower Upper  
79 100  
52 78.5 64.6 96.8  
51 38.2 30.0 45.0



#4  
n-Nitrosodimethylamine  
Concen: 41.898 ng  
RT: 3.116 min Scan# 175  
Delta R.T. 0.082 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion: 42 Resp: 355758  
Ion Ratio Lower Upper  
42 100  
74 123.2 98.0 147.0  
44 7.3 5.8 8.8

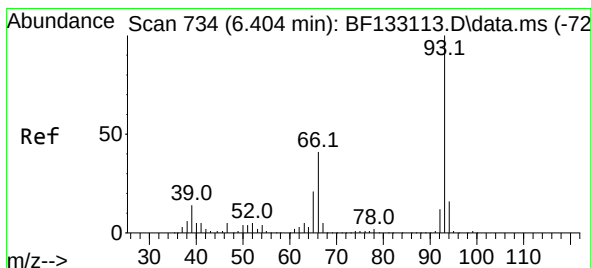
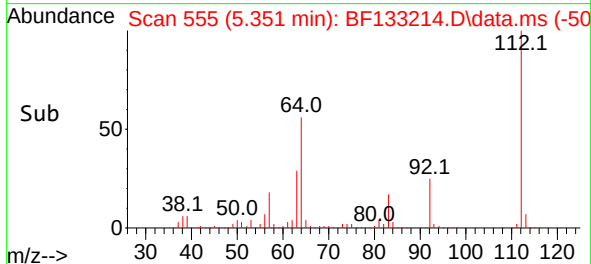
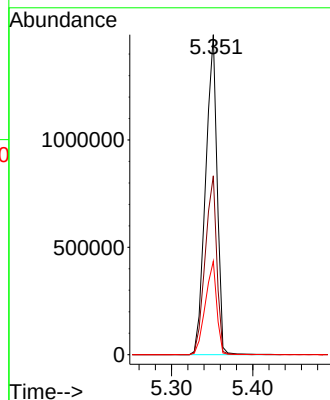
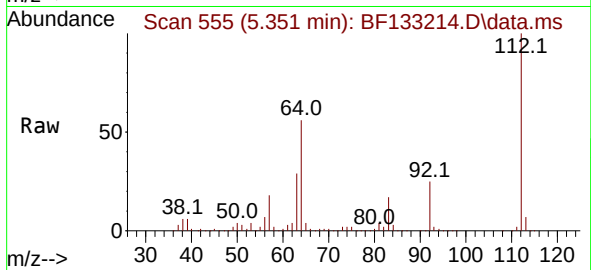




#5  
2-Fluorophenol  
Concen: 110.013 ng  
RT: 5.351 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

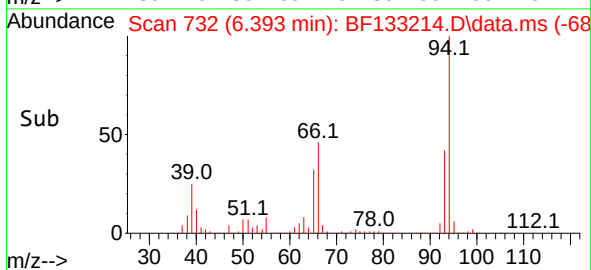
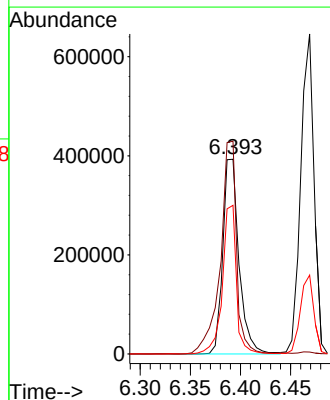
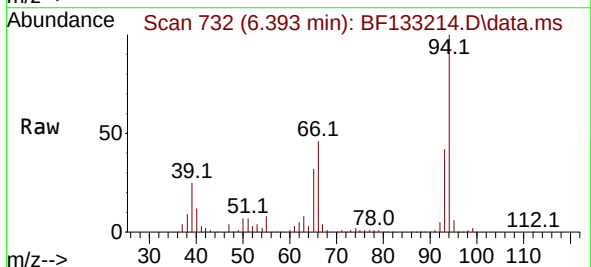
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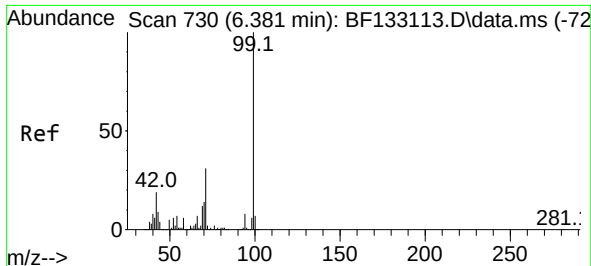
Tgt Ion:112 Resp: 1463899  
Ion Ratio Lower Upper  
112 100  
64 55.9 46.8 70.2  
63 29.2 23.8 35.8



#6  
Aniline  
Concen: 20.792 ng  
RT: 6.393 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion: 93 Resp: 442299  
Ion Ratio Lower Upper  
93 100  
66 109.3 31.5 47.3#  
65 76.4 16.4 24.6#

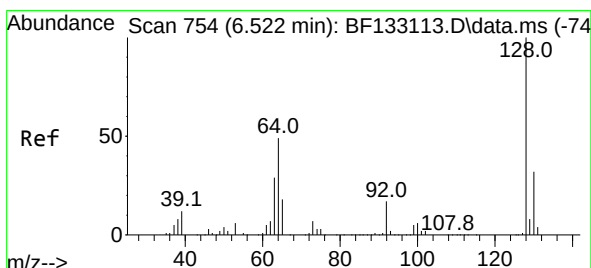
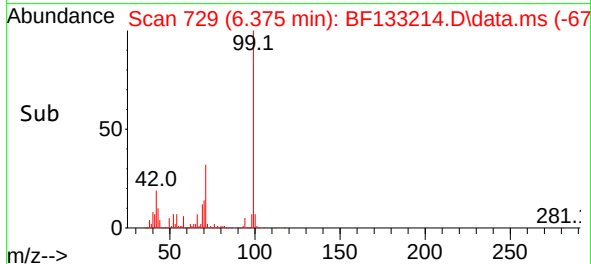
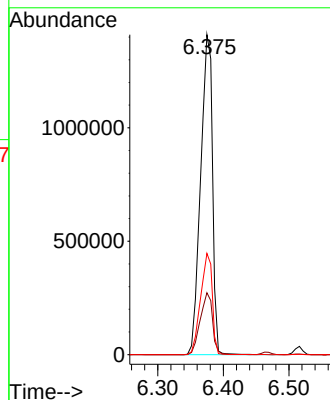
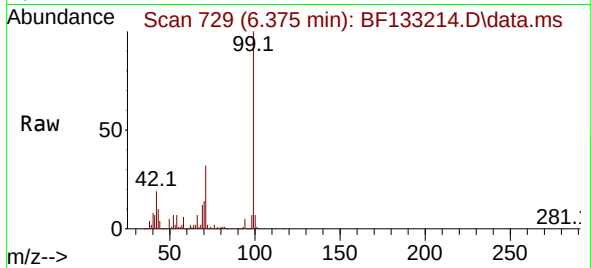




#7  
Phenol-d6  
Concen: 107.380 ng  
RT: 6.375 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

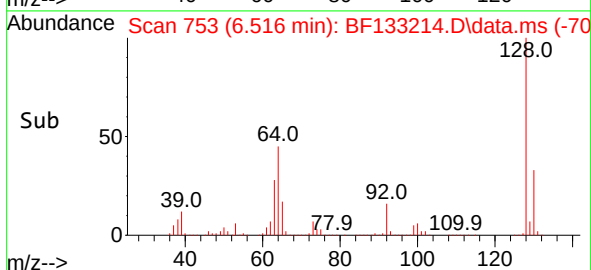
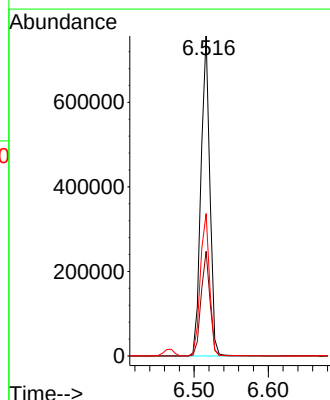
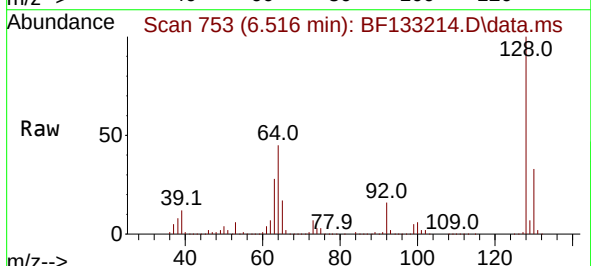
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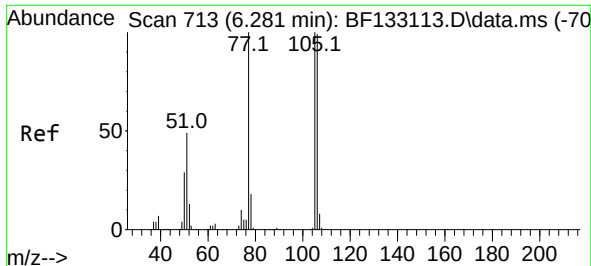
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Ion Ratio Lower Upper  
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42 19.3 16.3 24.5  
71 31.6 25.6 38.4



#8  
2-Chlorophenol  
Concen: 46.841 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:128 Resp: 632840  
Ion Ratio Lower Upper  
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130 32.7 12.2 52.2  
64 44.5 30.3 70.3

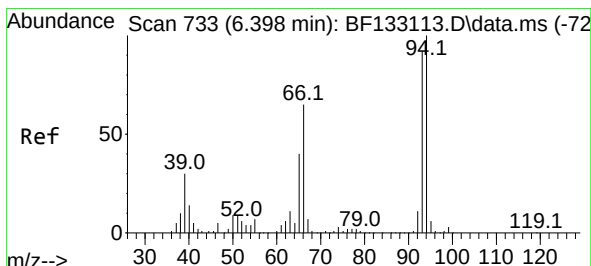
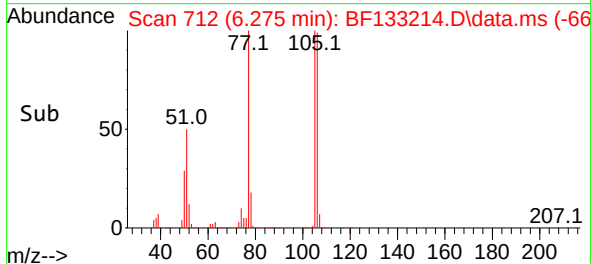
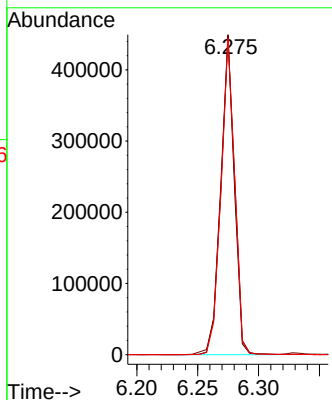
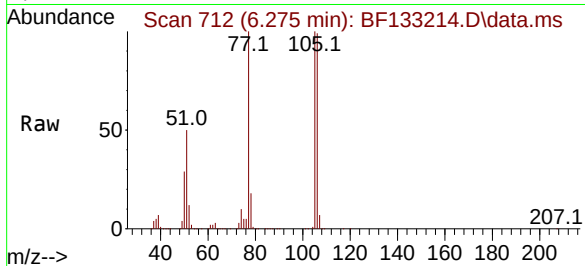




#9  
Benzaldehyde  
Concen: 49.201 ng  
RT: 6.275 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

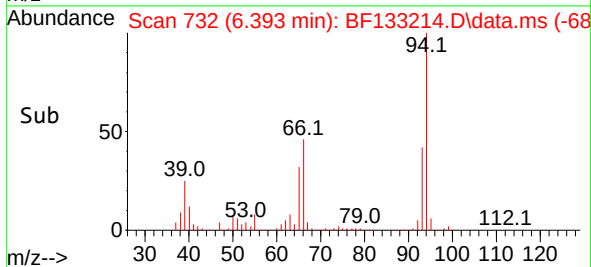
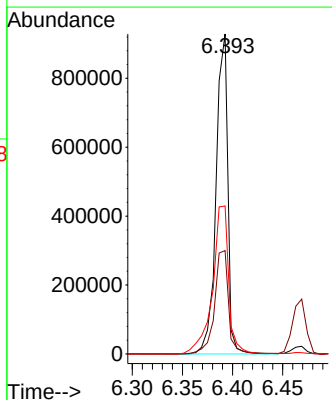
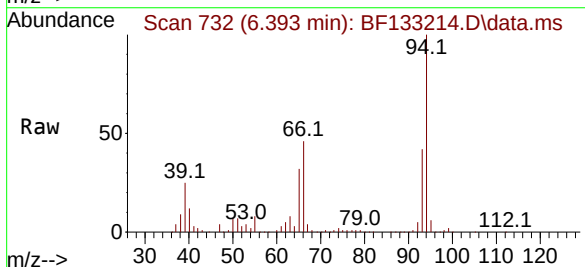
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

Tgt Ion: 77 Resp: 346627  
Ion Ratio Lower Upper  
77 100  
105 99.9 82.3 122.3  
106 98.8 80.8 120.8

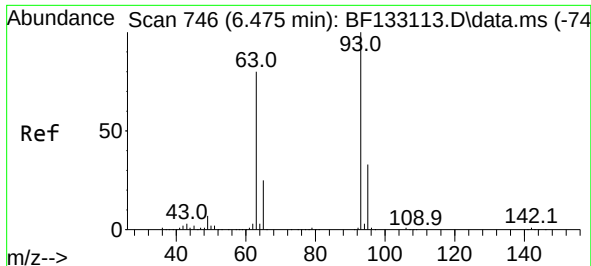


#10  
Phenol  
Concen: 41.431 ng  
RT: 6.393 min Scan# 732  
Delta R.T. 0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion: 94 Resp: 754886  
Ion Ratio Lower Upper  
94 100  
65 32.3 8.6 48.6  
66 46.2 17.3 57.3







#11

bis(2-Chloroethyl)ether

Concen: 43.323 ng

RT: 6.469 min Scan# 746

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

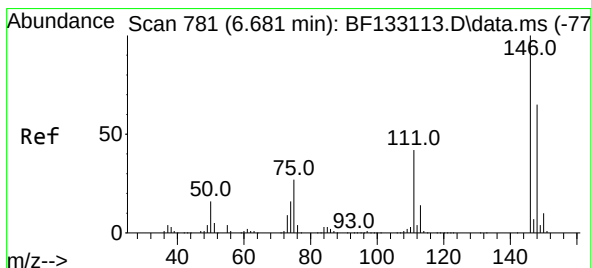
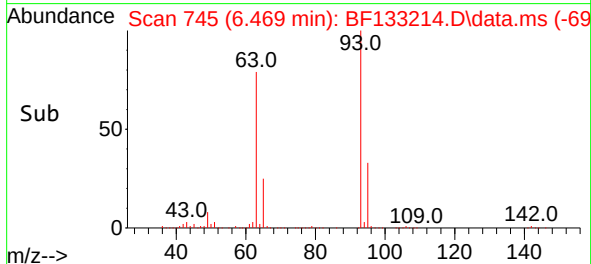
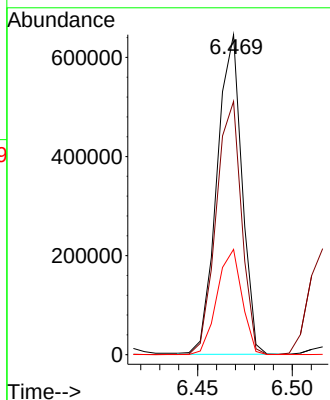
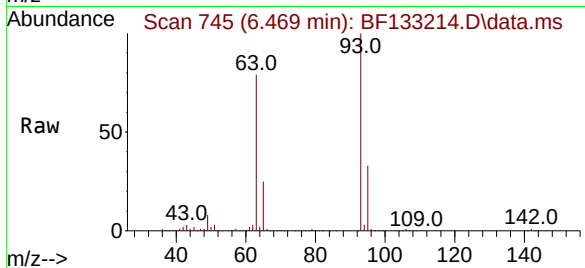
Tgt Ion: 93 Resp: 592353

Ion Ratio Lower Upper

93 100

63 79.1 60.6 100.6

95 32.9 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 45.643 ng

RT: 6.675 min Scan# 780

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

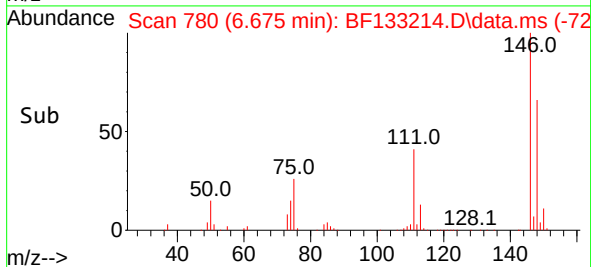
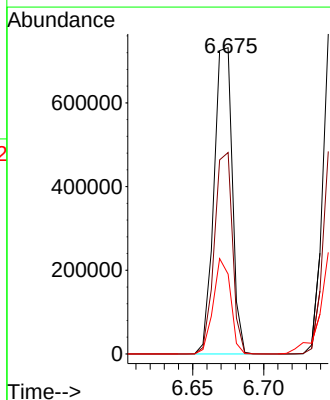
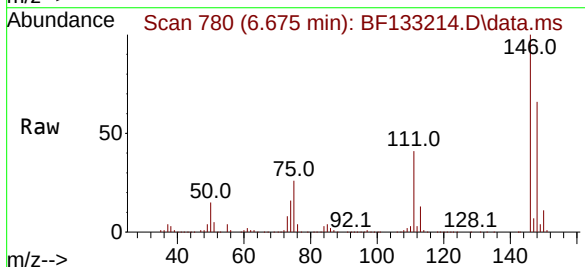
Tgt Ion: 146 Resp: 655620

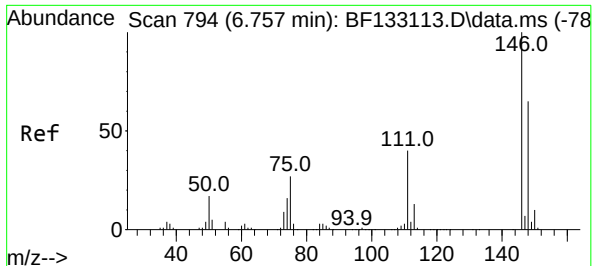
Ion Ratio Lower Upper

146 100

148 65.8 51.0 76.4

75 26.1 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 46.683 ng

RT: 6.745 min Scan# 794

Delta R.T. -0.006 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

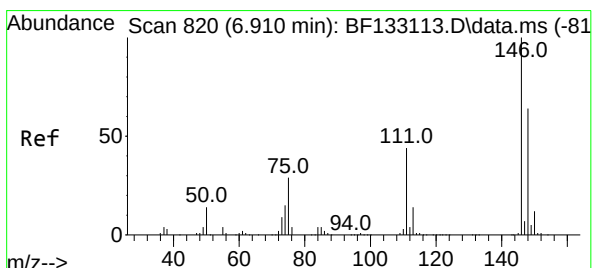
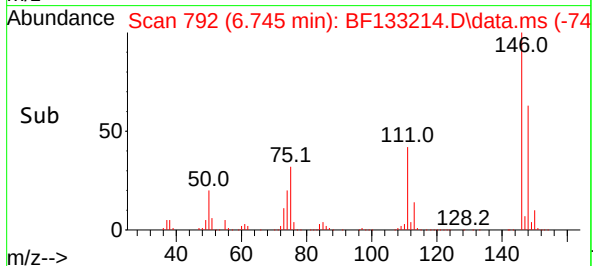
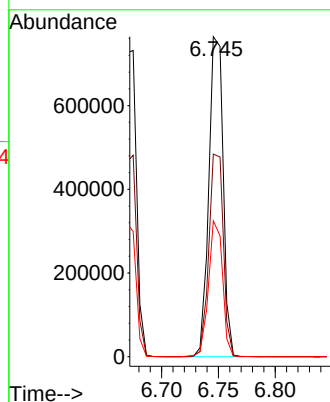
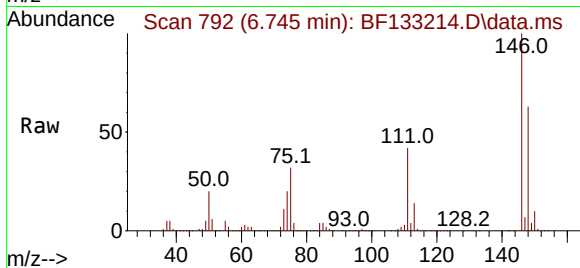
Tgt Ion:146 Resp: 672054

Ion Ratio Lower Upper

146 100

148 63.3 50.3 75.5

111 42.5 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 48.151 ng

RT: 6.898 min Scan# 818

Delta R.T. -0.006 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

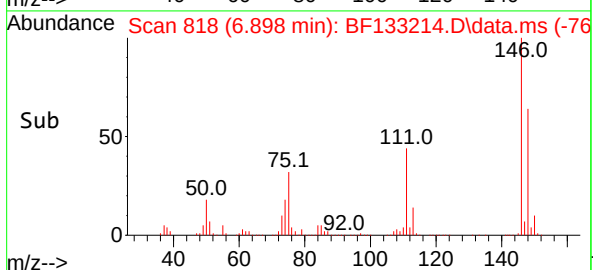
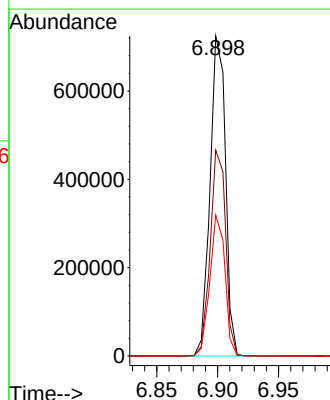
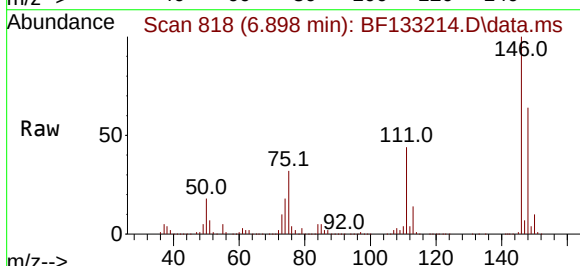
Tgt Ion:146 Resp: 639072

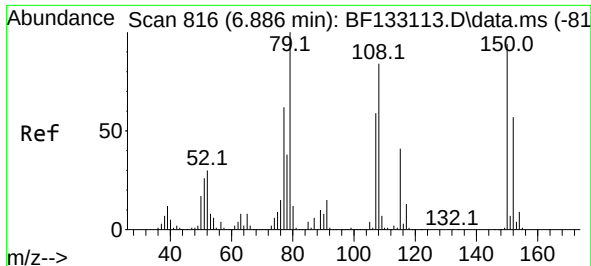
Ion Ratio Lower Upper

146 100

148 64.3 52.2 78.2

111 44.0 32.8 49.2

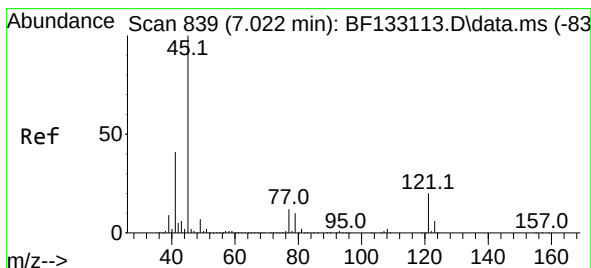
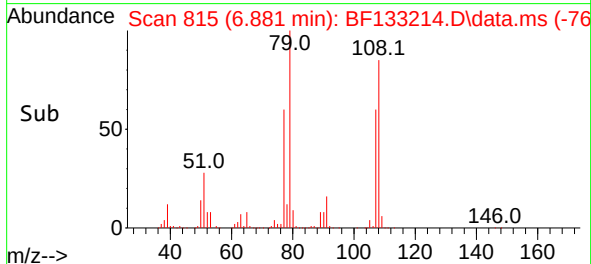
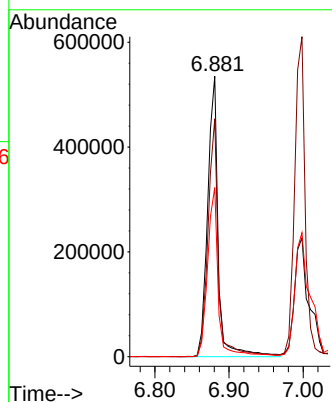
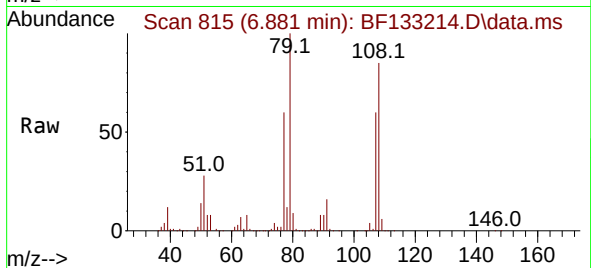




#15  
Benzyl Alcohol  
Concen: 46.522 ng  
RT: 6.881 min Scan# 816  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

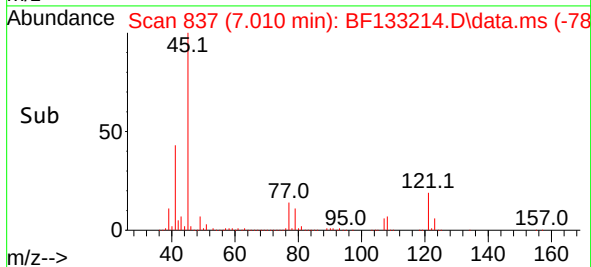
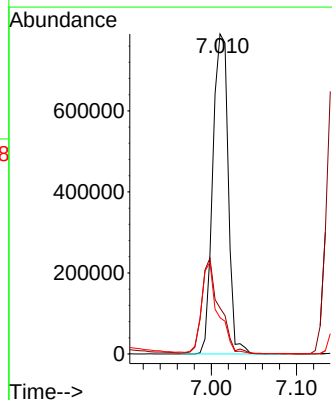
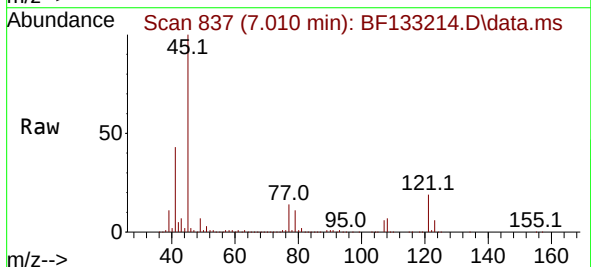
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

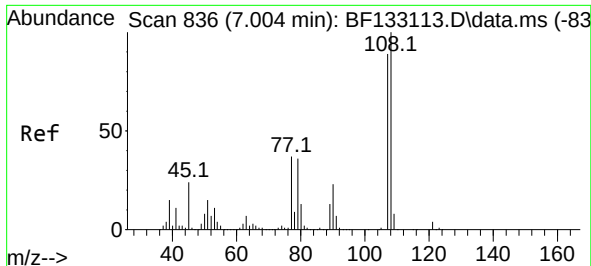
Tgt Ion: 79 Resp: 530757  
Ion Ratio Lower Upper  
79 100  
108 84.8 66.6 99.8  
77 60.3 49.2 73.8



#16  
2,2'-oxybis(1-chloropropane)  
Concen: 41.799 ng  
RT: 7.010 min Scan# 837  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion: 45 Resp: 992649  
Ion Ratio Lower Upper  
45 100  
77 14.4 0.0 31.5  
79 11.3 0.0 28.7

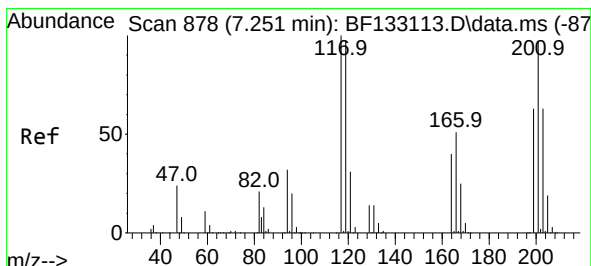
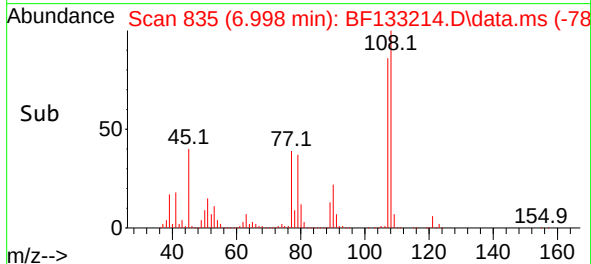
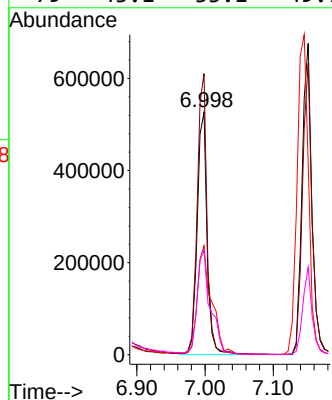
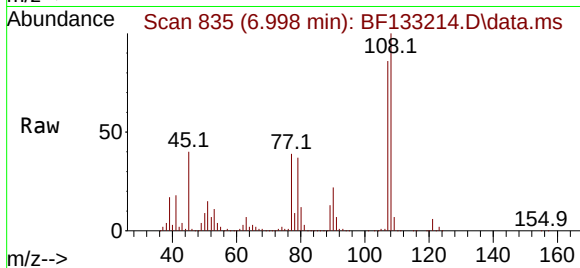




#17  
2-Methylphenol  
Concen: 42.530 ng  
RT: 6.998 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

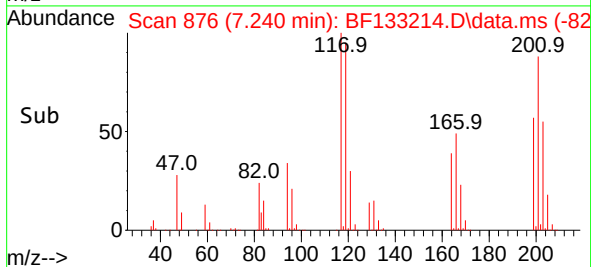
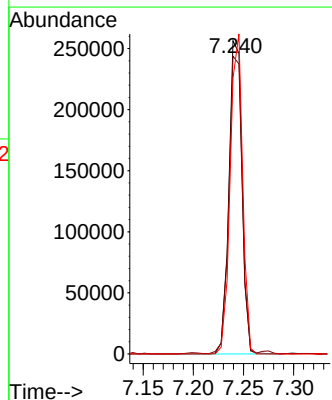
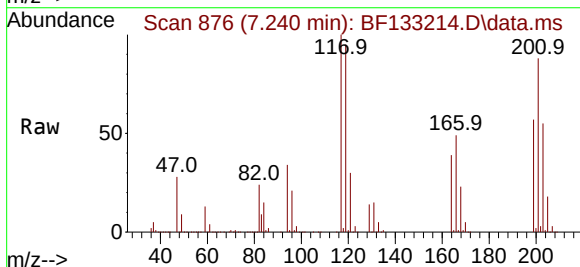
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

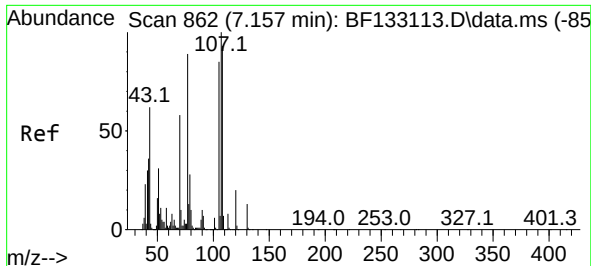
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 526155 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 115.9 | 92.4  | 138.6  |
| 77       | 44.9  | 33.8  | 50.8   |
| 79       | 43.1  | 33.1  | 49.7   |



#18  
Hexachloroethane  
Concen: 46.417 ng  
RT: 7.240 min Scan# 876  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 232318 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.1  | 78.2  | 117.4  |
| 201      | 88.1  | 81.7  | 122.5  |

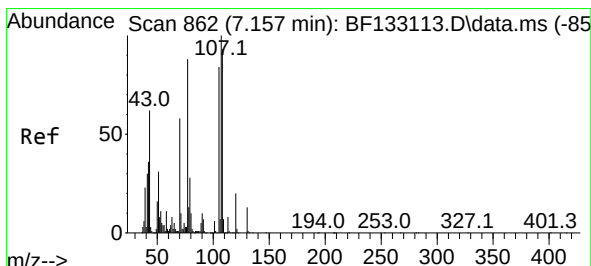
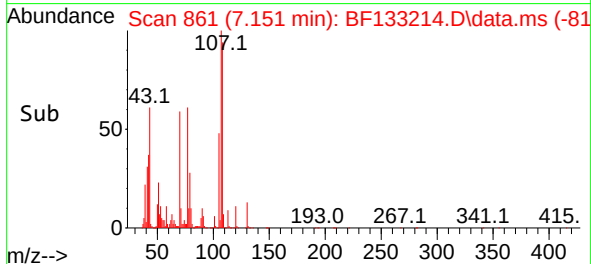
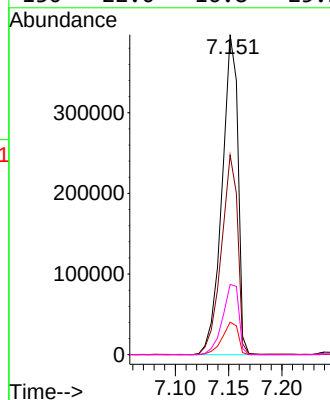
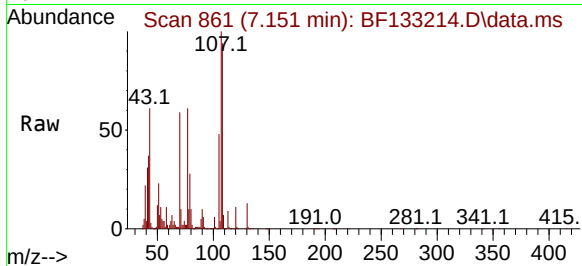




#19  
n-Nitroso-di-n-propylamine  
Concen: 40.040 ng  
RT: 7.151 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

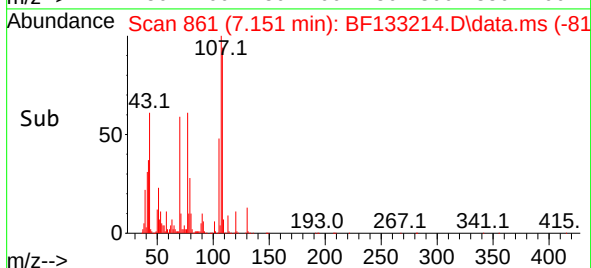
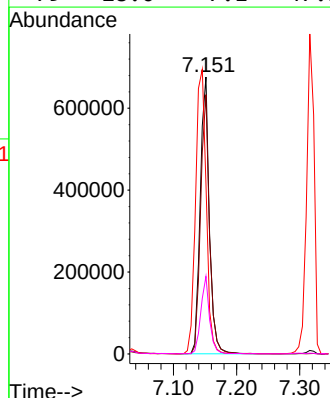
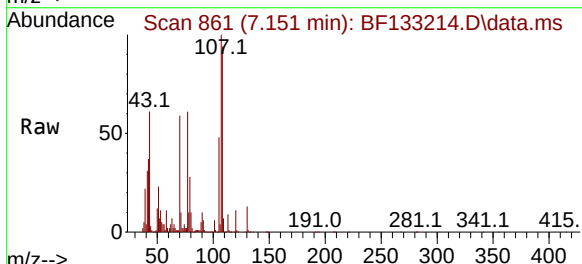
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

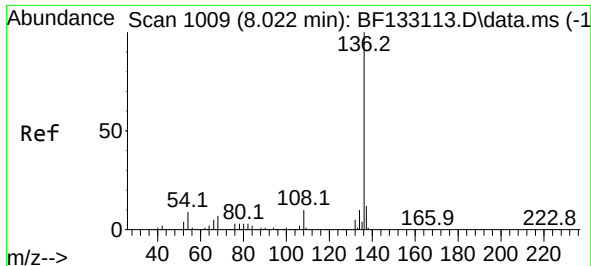
Tgt Ion: 70 Resp: 411697  
Ion Ratio Lower Upper  
70 100  
42 62.4 51.8 77.6  
101 10.2 8.0 12.0  
130 22.0 16.8 25.2



#20  
3+4-Methylphenols  
Concen: 46.675 ng  
RT: 7.151 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion: 107 Resp: 680022  
Ion Ratio Lower Upper  
107 100  
108 93.6 70.5 110.5  
77 61.4 91.7 131.7#  
79 28.0 7.1 47.1

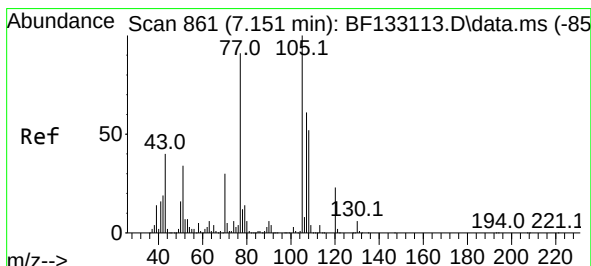
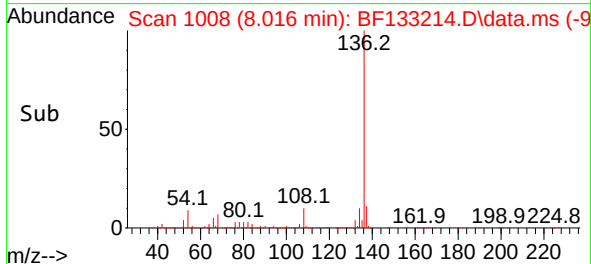
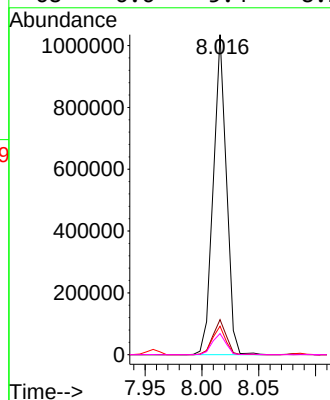
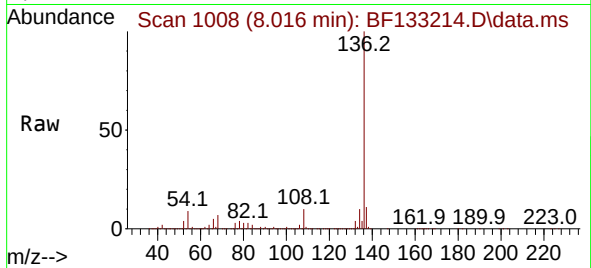




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

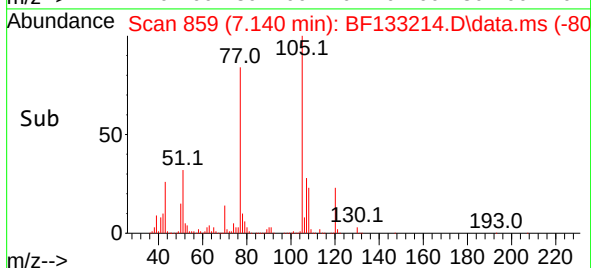
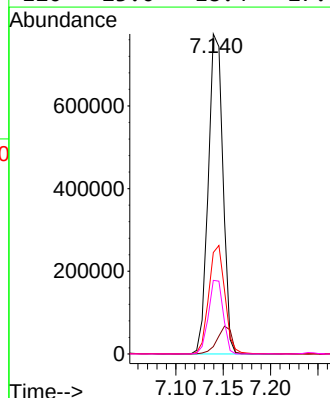
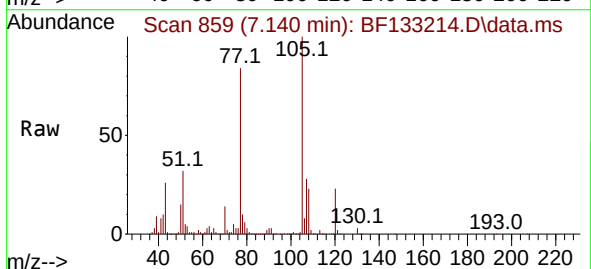
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

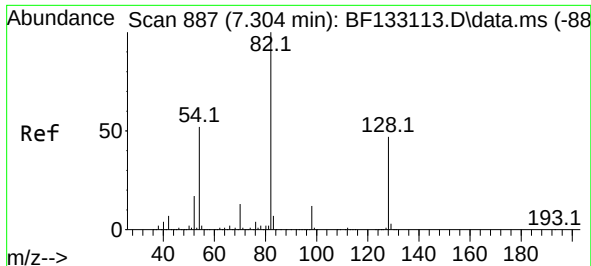
Tgt Ion:136 Resp: 833430  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 13.0  
54 8.9 7.0 10.4  
68 6.6 5.4 8.2



#22  
Acetophenone  
Concen: 43.015 ng  
RT: 7.140 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:105 Resp: 830453  
Ion Ratio Lower Upper  
105 100  
71 2.3 4.6 7.0#  
51 31.7 28.2 42.2  
120 23.0 18.4 27.6





#23

Nitrobenzene-d5

Concen: 71.003 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

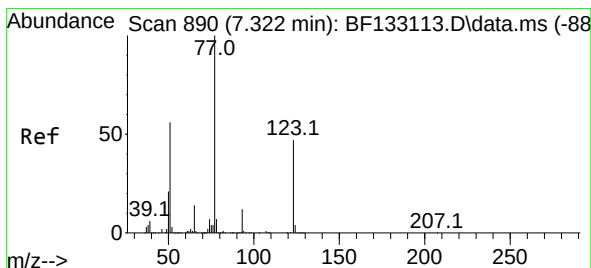
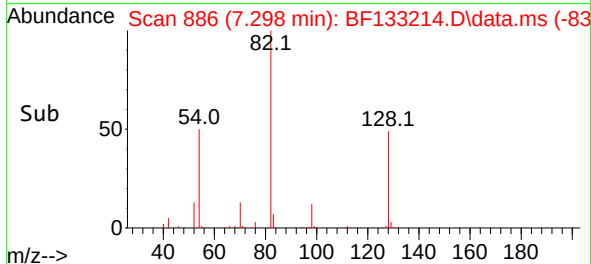
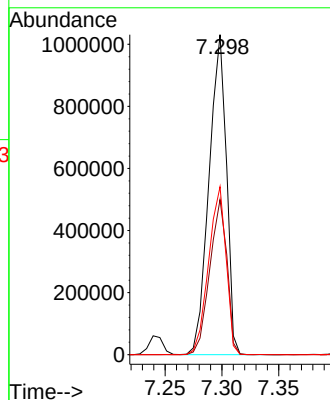
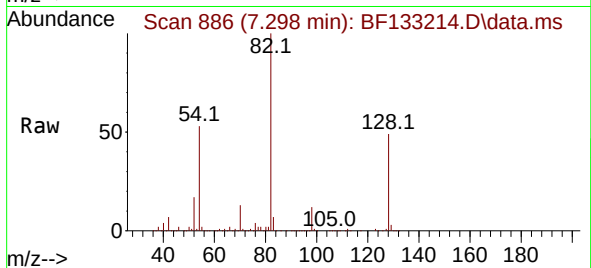
BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

Tgt Ion: 82 Resp: 1096325

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.5  | 37.7  | 56.5  |
| 54  | 52.5  | 43.0  | 64.4  |



#24

Nitrobenzene

Concen: 40.959 ng

RT: 7.316 min Scan# 889

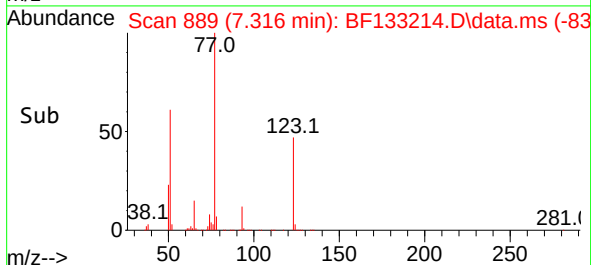
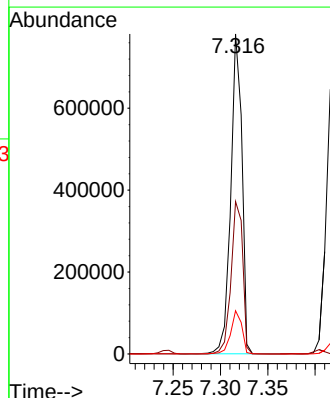
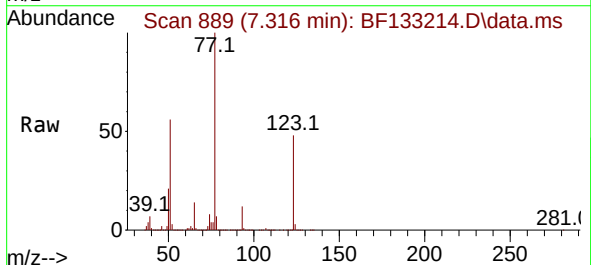
Delta R.T. -0.000 min

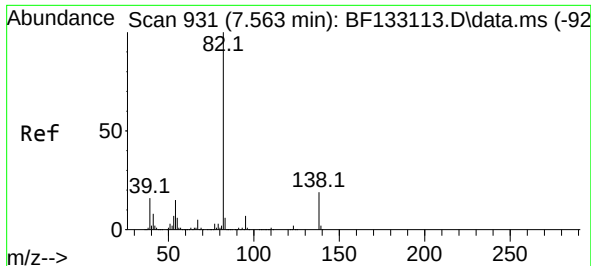
Lab File: BF133214.D

Acq: 03 May 2023 18:48

Tgt Ion: 77 Resp: 640860

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.6  | 39.9  | 59.9  |
| 65  | 13.5  | 10.7  | 16.1  |

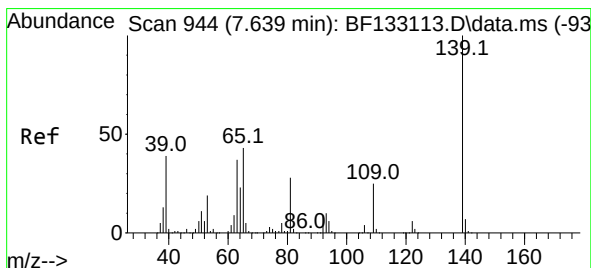
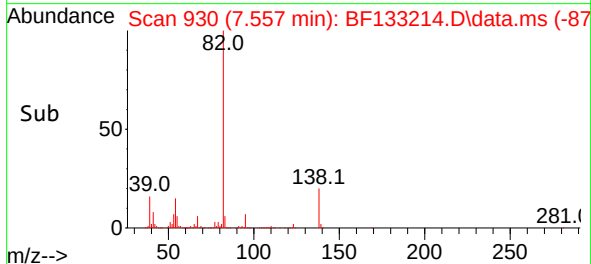
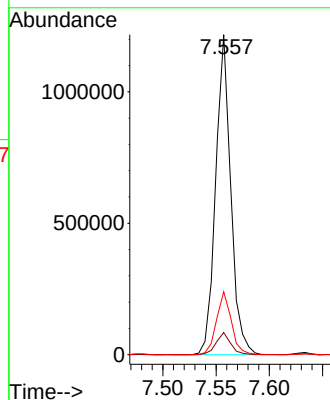
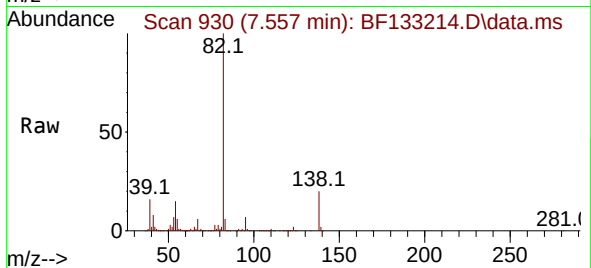




#25  
Isophorone  
Concen: 40.930 ng  
RT: 7.557 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

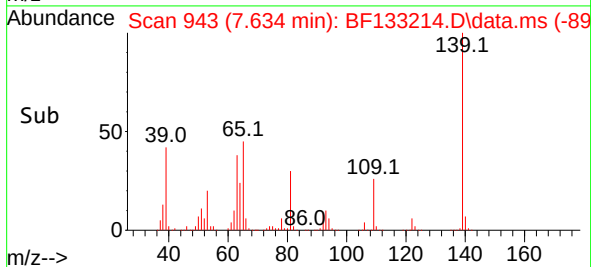
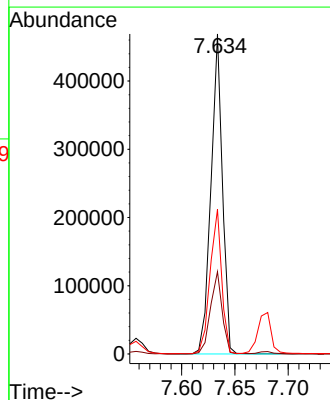
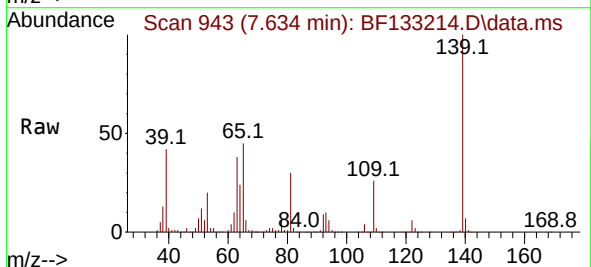
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

Tgt Ion: 82 Resp: 1199920  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.0  
138 19.7 16.0 24.0

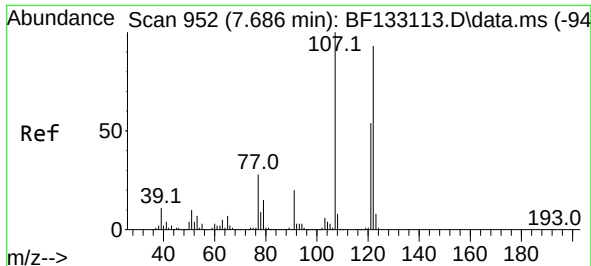


#26  
2-Nitrophenol  
Concen: 46.740 ng  
RT: 7.634 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:139 Resp: 352732  
Ion Ratio Lower Upper  
139 100  
109 25.7 21.6 32.4  
65 45.1 39.8 59.6







#27

2,4-Dimethylphenol

Concen: 44.463 ng

RT: 7.681 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF133214.D

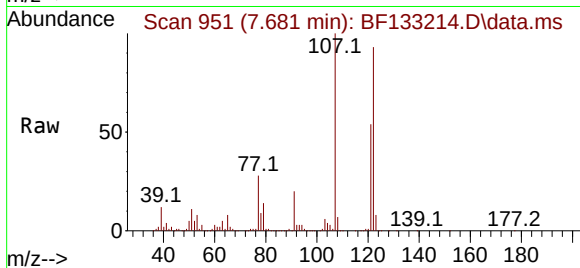
Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD



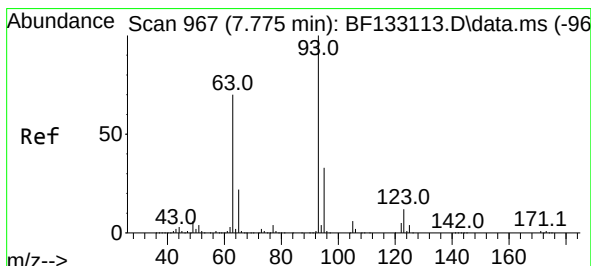
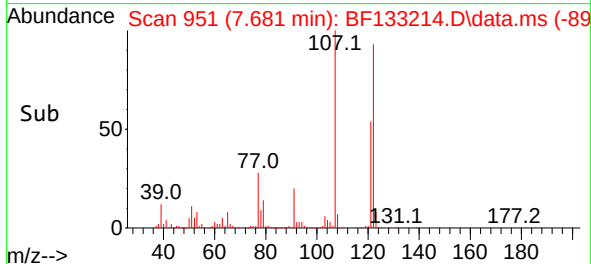
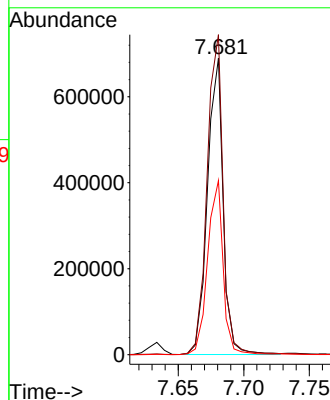
Tgt Ion:122 Resp: 575372

Ion Ratio Lower Upper

122 100

107 107.9 89.7 134.5

121 58.7 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 42.377 ng

RT: 7.769 min Scan# 966

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

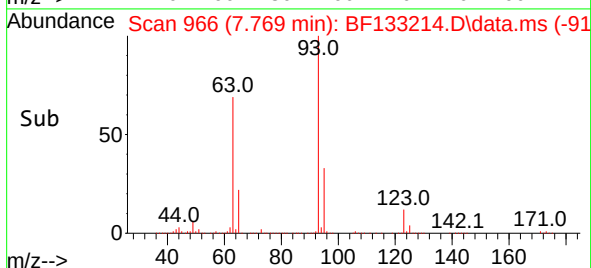
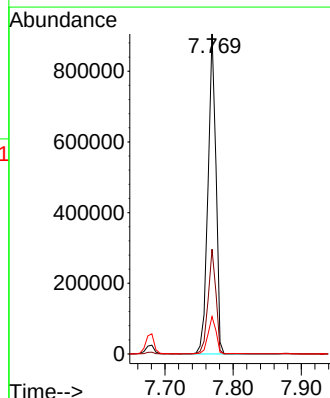
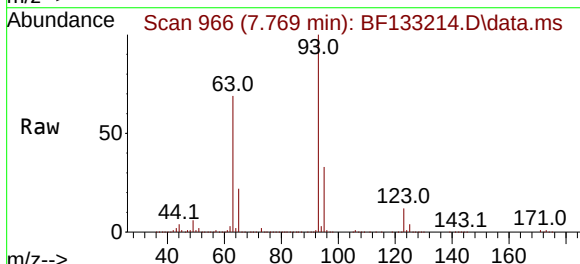
Tgt Ion: 93 Resp: 734948

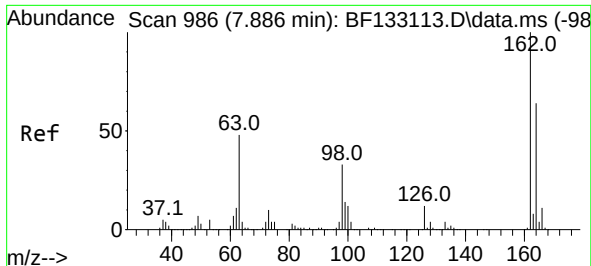
Ion Ratio Lower Upper

93 100

95 32.8 26.4 39.6

123 11.7 10.3 15.5

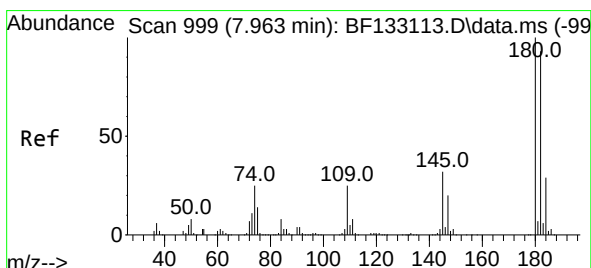
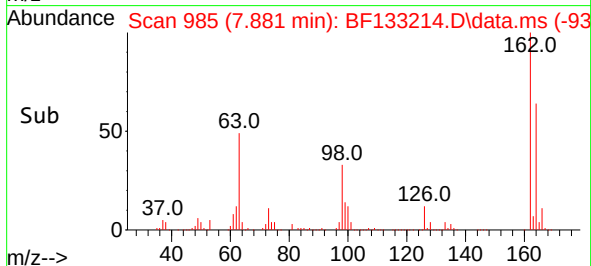
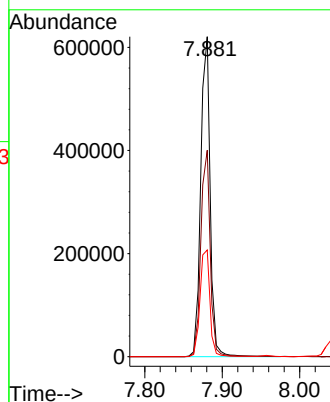
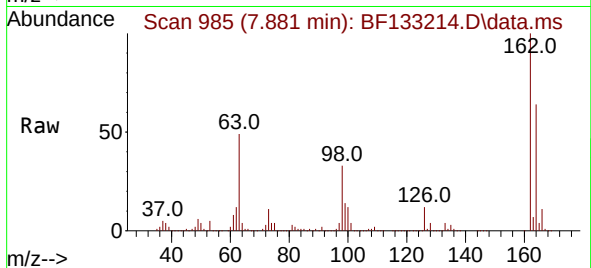




#29  
2,4-Dichlorophenol  
Concen: 44.412 ng  
RT: 7.881 min Scan# 986  
Delta R.T. 0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

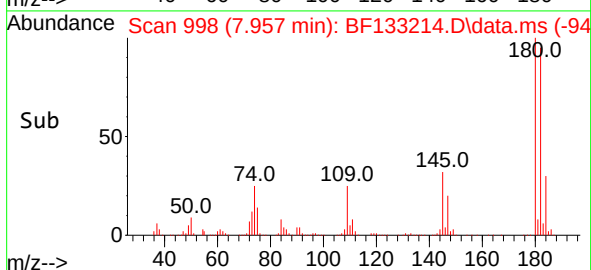
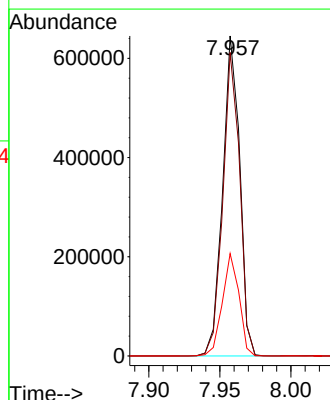
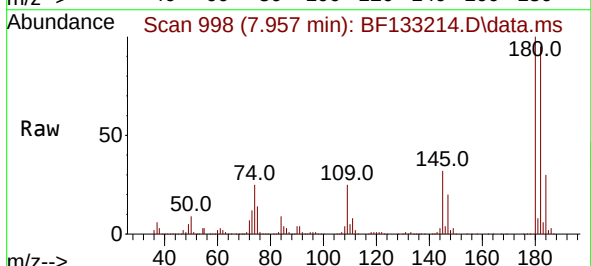
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

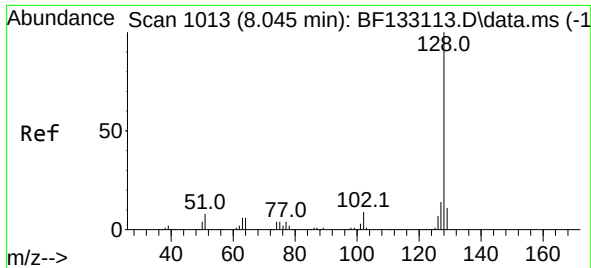
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 523186 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 164      | 64.5  | 43.9  | 83.9   |
| 98       | 33.4  | 17.0  | 57.0   |



#30  
1,2,4-Trichlorobenzene  
Concen: 44.051 ng  
RT: 7.957 min Scan# 998  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 537614 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 94.9  | 75.9  | 113.9  |
| 145      | 32.0  | 25.3  | 37.9   |

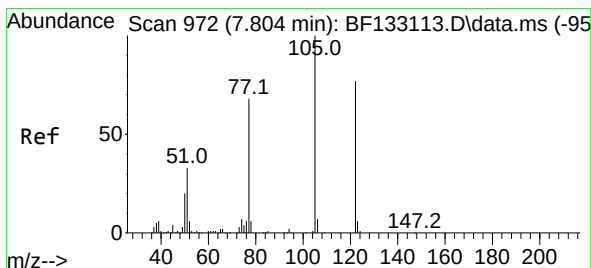
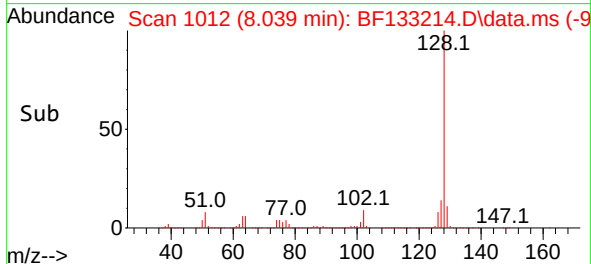
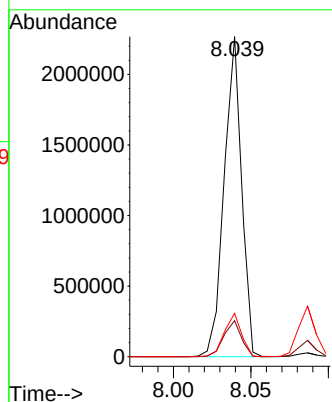
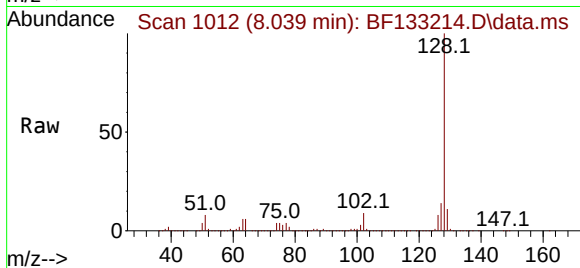




#31  
Naphthalene  
Concen: 42.567 ng  
RT: 8.039 min Scan# 1013  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

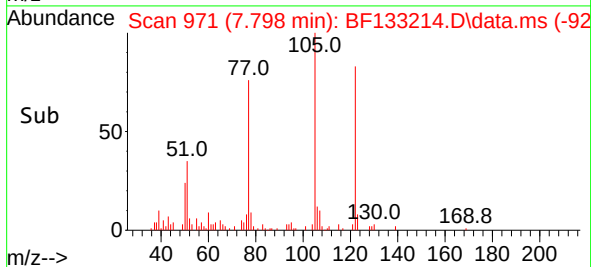
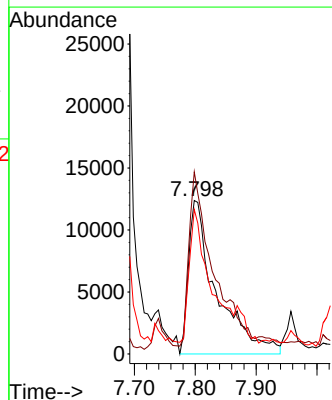
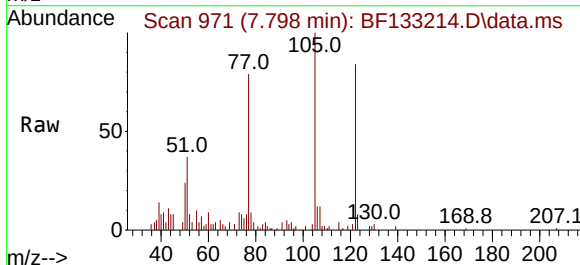
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

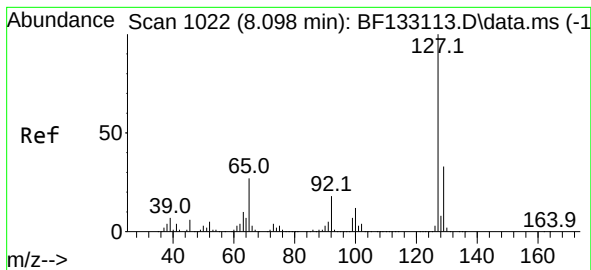
Tgt Ion:128 Resp: 1773715  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.6 10.7 16.1



#32  
Benzoic acid  
Concen: 4.947 ng  
RT: 7.798 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:122 Resp: 39545  
Ion Ratio Lower Upper  
122 100  
105 118.7 104.2 144.2  
77 94.1 69.7 109.7





#33

4-Chloroaniline

Concen: 16.882 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

Tgt Ion:127 Resp: 284224

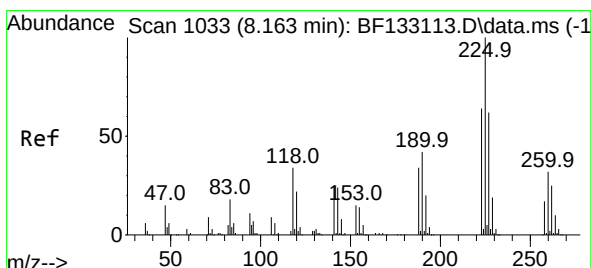
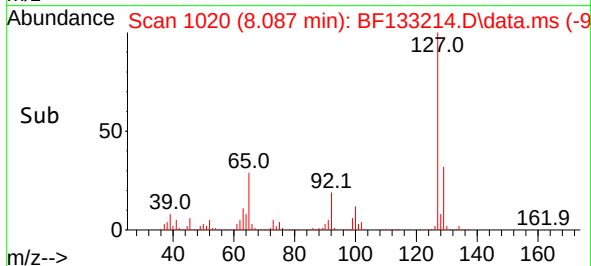
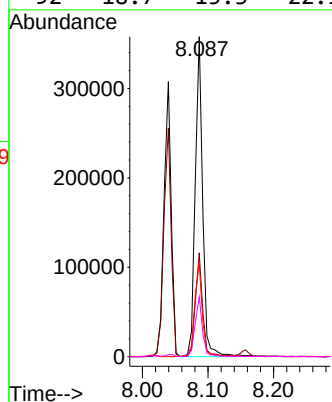
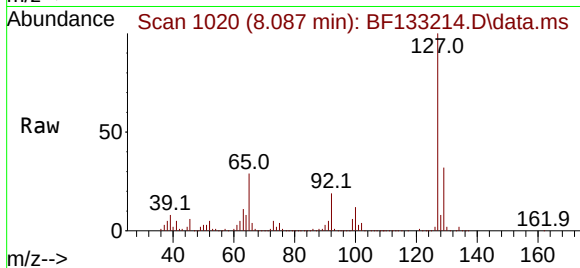
Ion Ratio Lower Upper

127 100

129 32.4 25.8 38.8

65 29.1 23.6 35.4

92 18.7 15.3 22.9



#34

Hexachlorobutadiene

Concen: 43.427 ng

RT: 8.157 min Scan# 1032

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

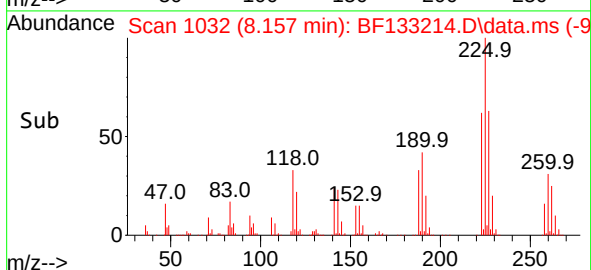
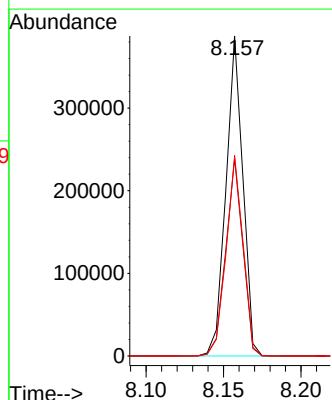
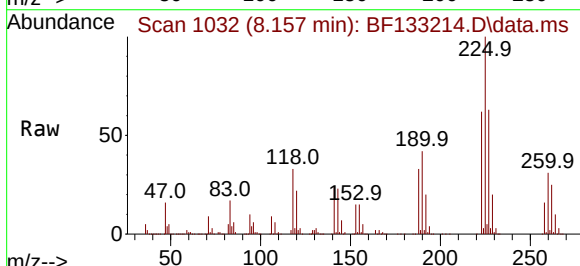
Tgt Ion:225 Resp: 293744

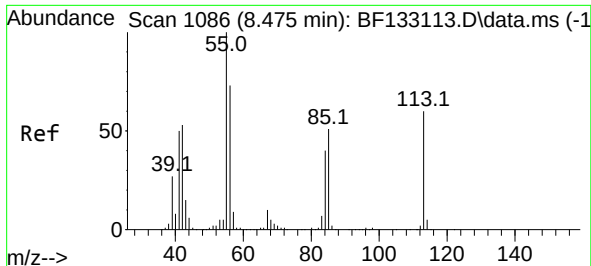
Ion Ratio Lower Upper

225 100

223 61.7 50.9 76.3

227 62.7 50.3 75.5

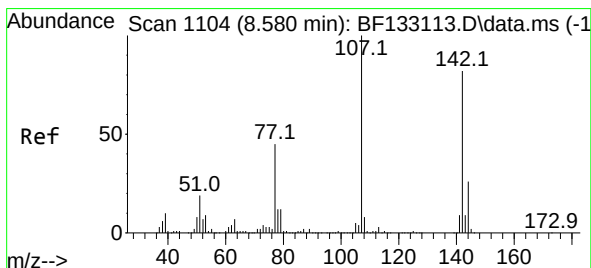
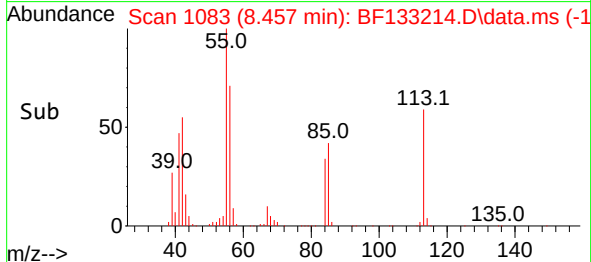
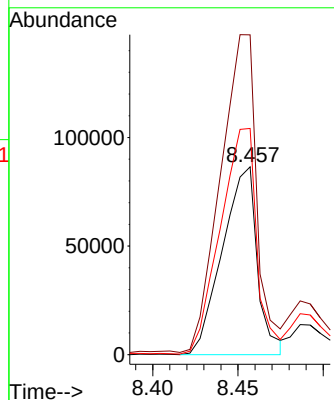
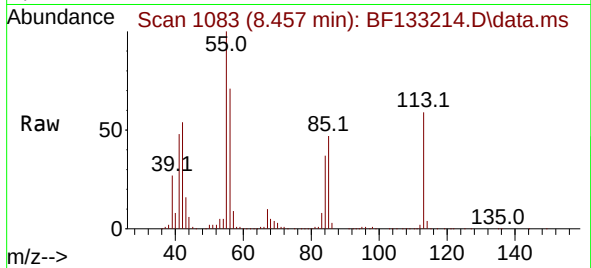




#35  
 Caprolactam  
 Concen: 31.197 ng  
 RT: 8.457 min Scan# 1086  
 Delta R.T. -0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

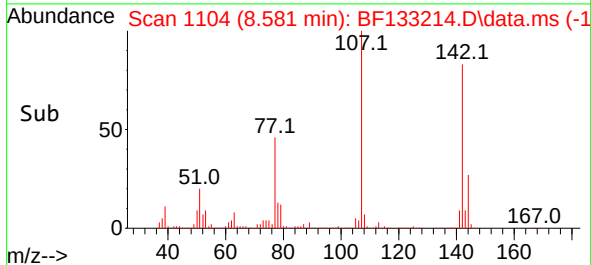
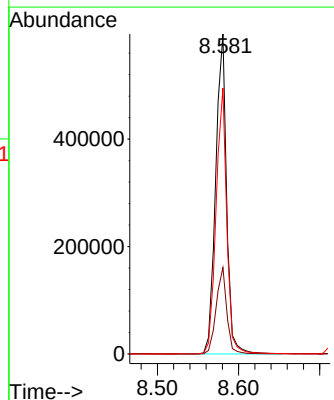
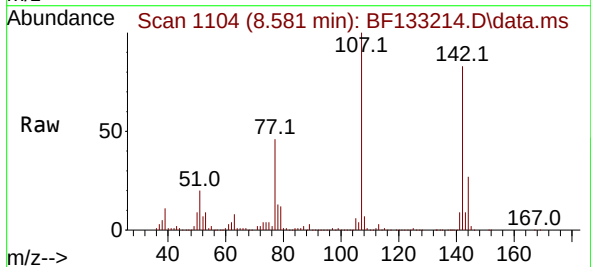
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

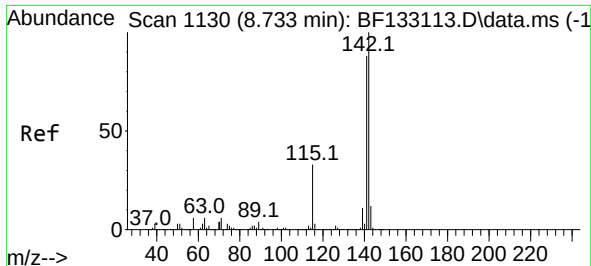
Tgt Ion:113 Resp: 123461  
 Ion Ratio Lower Upper  
 113 100  
 55 170.2 167.1 207.1  
 56 120.4 114.5 154.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 43.763 ng  
 RT: 8.581 min Scan# 1104  
 Delta R.T. 0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

Tgt Ion:107 Resp: 555946  
 Ion Ratio Lower Upper  
 107 100  
 144 27.0 20.6 30.8  
 142 83.1 62.8 94.2





#37

2-Methylnaphthalene

Concen: 41.170 ng

RT: 8.728 min Scan# 1129

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

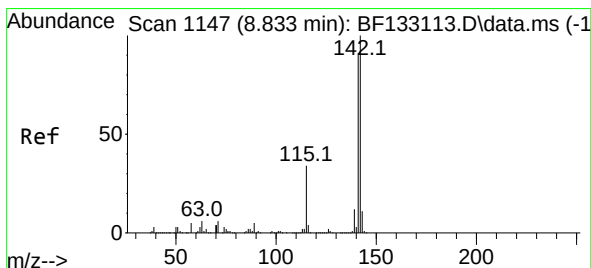
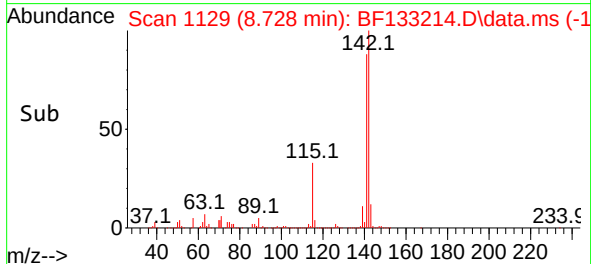
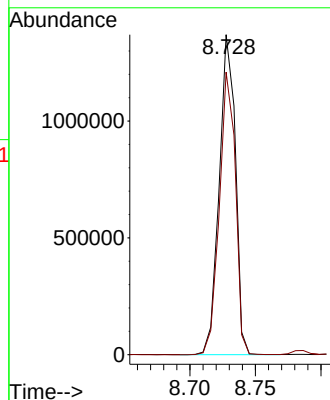
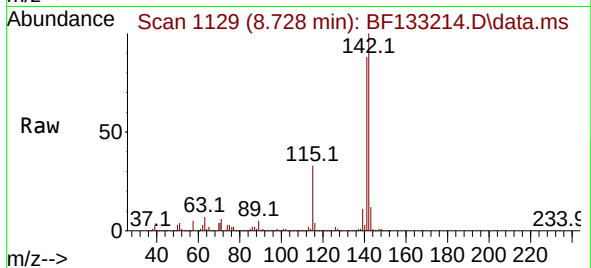
ZONE-A-6-9-05022023MSD

Tgt Ion:142 Resp: 1172846

Ion Ratio Lower Upper

142 100

141 88.3 69.4 104.0



#38

1-Methylnaphthalene

Concen: 41.103 ng

RT: 8.828 min Scan# 1146

Delta R.T. -0.000 min

Lab File: BF133214.D

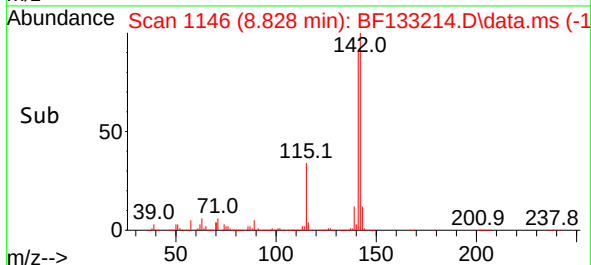
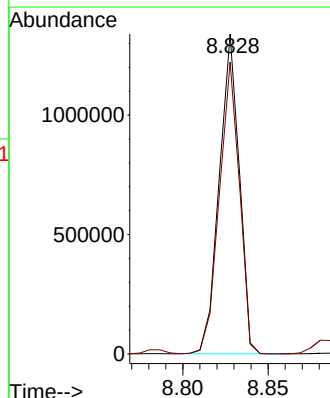
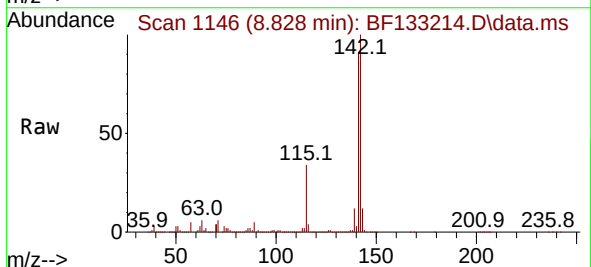
Acq: 03 May 2023 18:48

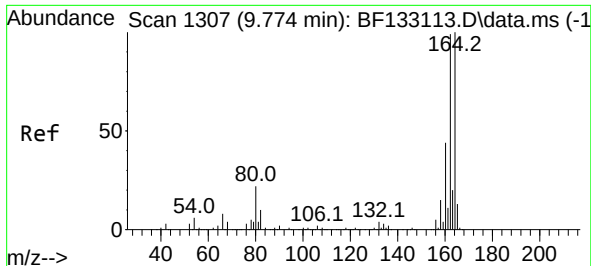
Tgt Ion:142 Resp: 1095397

Ion Ratio Lower Upper

142 100

141 91.2 73.1 109.7

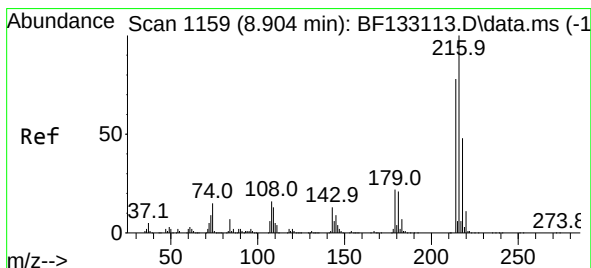
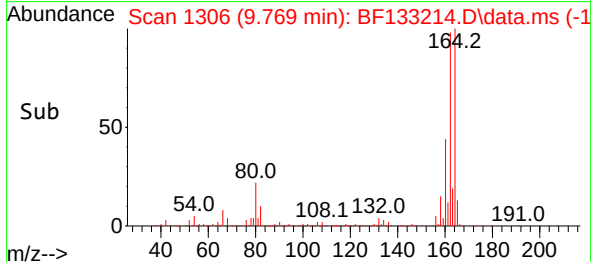
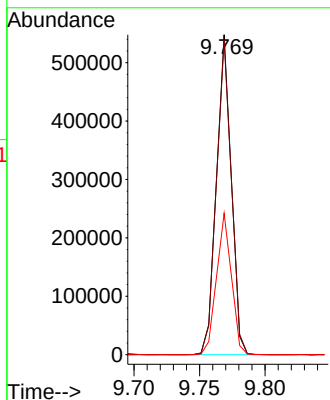
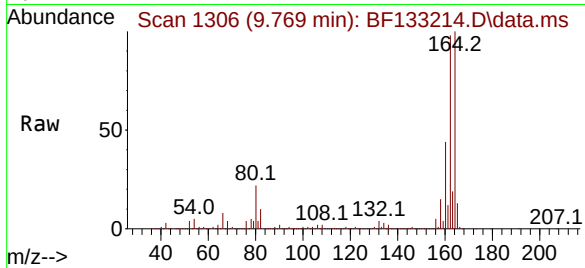




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.769 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

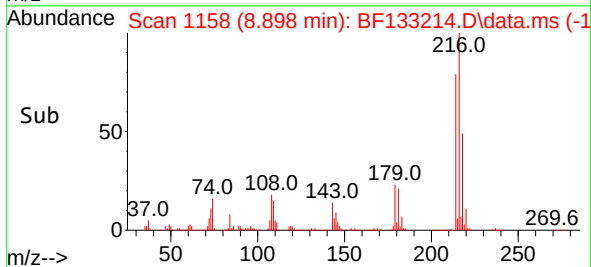
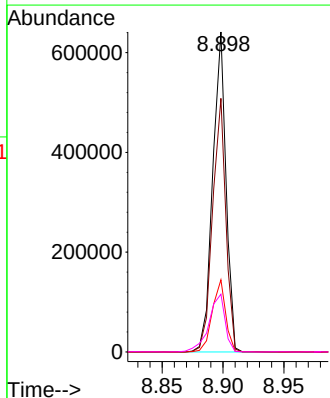
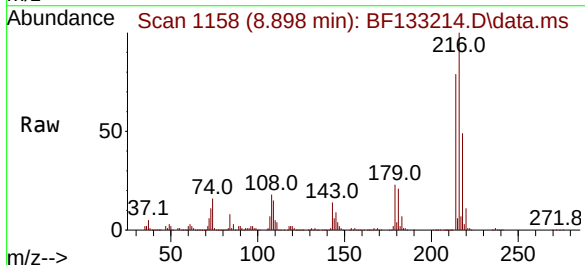
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

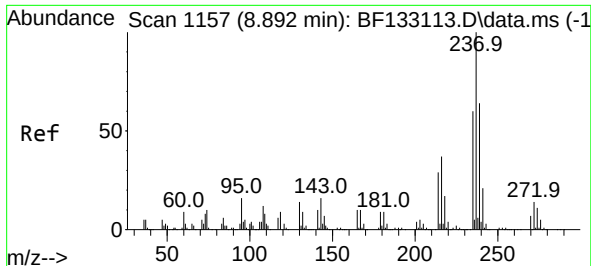
Tgt Ion:164 Resp: 429818  
Ion Ratio Lower Upper  
164 100  
162 98.4 78.7 118.1  
160 44.2 35.8 53.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.015 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:216 Resp: 485556  
Ion Ratio Lower Upper  
216 100  
214 79.0 63.5 95.3  
179 22.7 17.4 26.2  
108 22.1 17.4 26.0

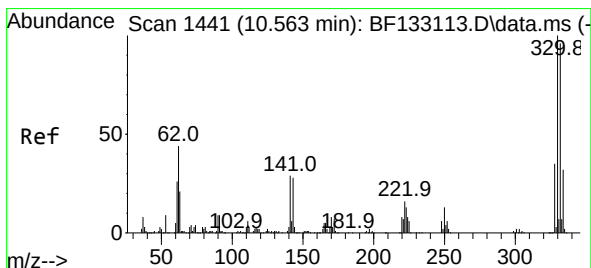
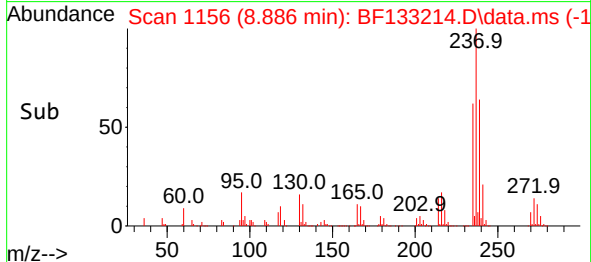
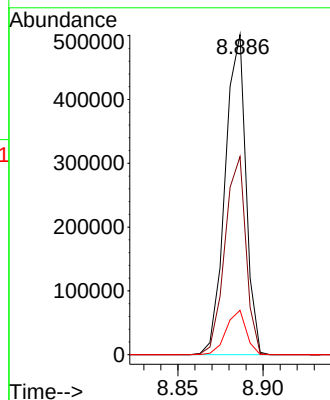
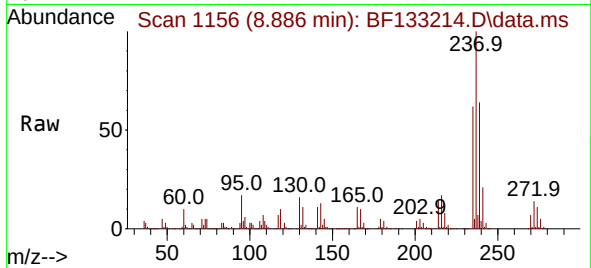




#41  
Hexachlorocyclopentadiene  
Concen: 63.020 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. 0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

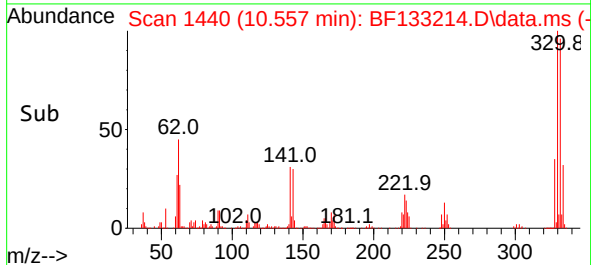
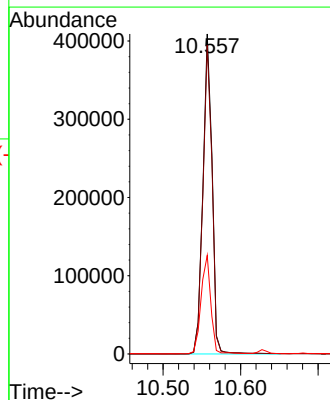
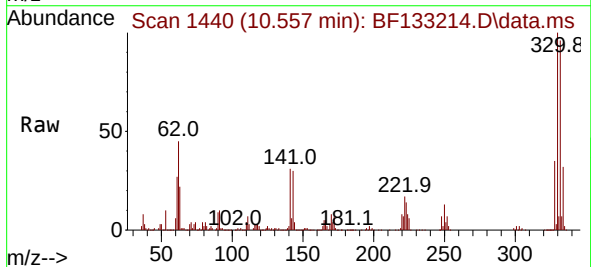
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

Tgt Ion:237 Resp: 424745  
Ion Ratio Lower Upper  
237 100  
235 61.9 43.5 83.5  
272 13.8 0.0 32.7

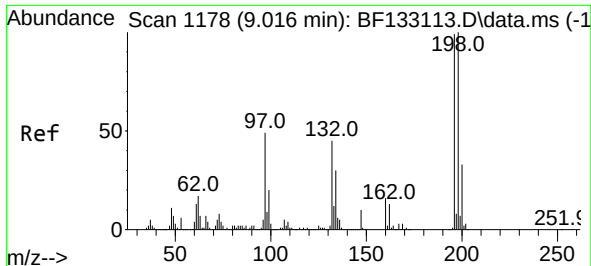


#42  
2,4,6-Tribromophenol  
Concen: 77.789 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:330 Resp: 336256  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.1 115.7  
141 32.6 25.8 38.8



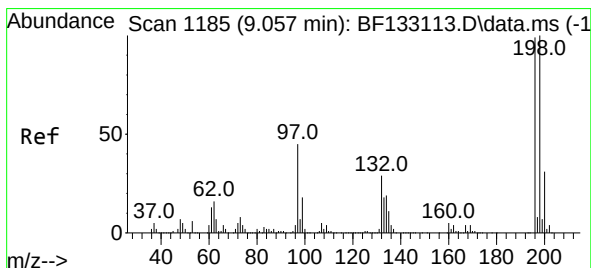
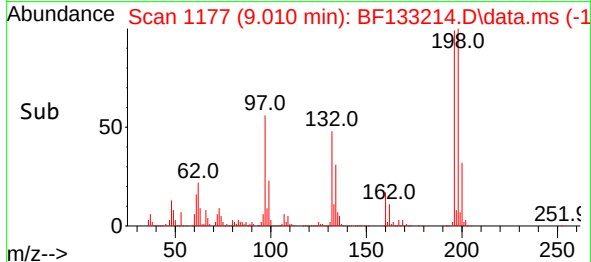
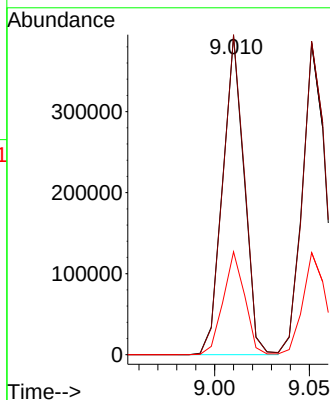
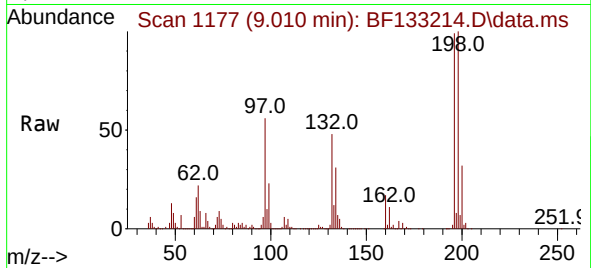




#43  
2,4,6-Trichlorophenol  
Concen: 38.879 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

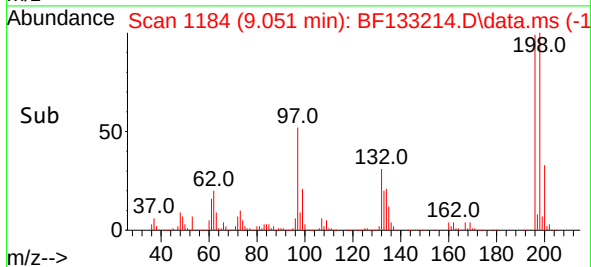
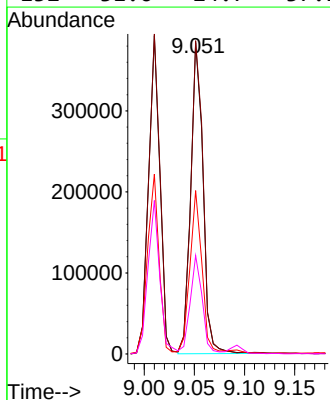
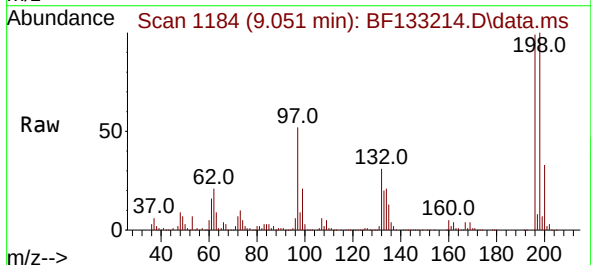
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

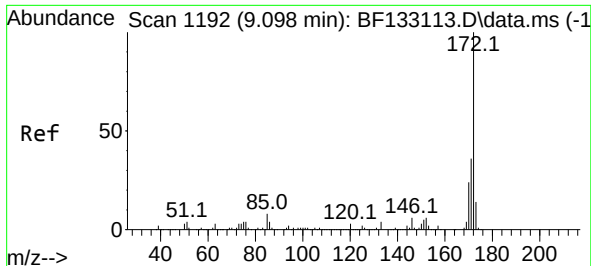
Tgt Ion:196 Resp: 310726  
Ion Ratio Lower Upper  
196 100  
198 100.5 81.0 121.6  
200 32.3 26.1 39.1



#44  
2,4,5-Trichlorophenol  
Concen: 35.511 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:196 Resp: 328238  
Ion Ratio Lower Upper  
196 100  
198 100.6 80.9 121.3  
97 52.4 41.3 61.9  
132 31.6 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 69.294 ng

RT: 9.092 min Scan# 1192

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

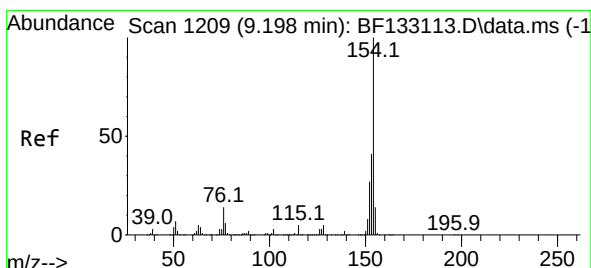
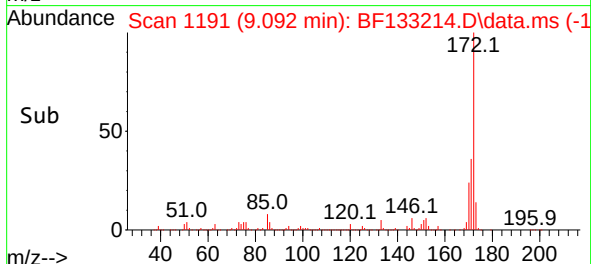
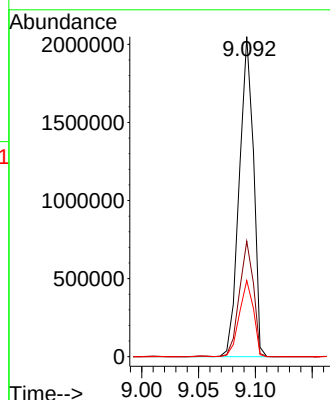
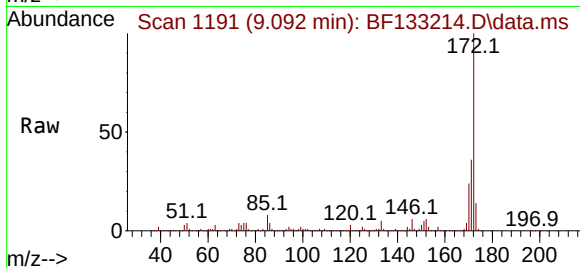
Tgt Ion:172 Resp: 1780271

Ion Ratio Lower Upper

172 100

171 36.1 28.8 43.2

170 23.8 19.4 29.2



#46

1,1'-Biphenyl

Concen: 41.649 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

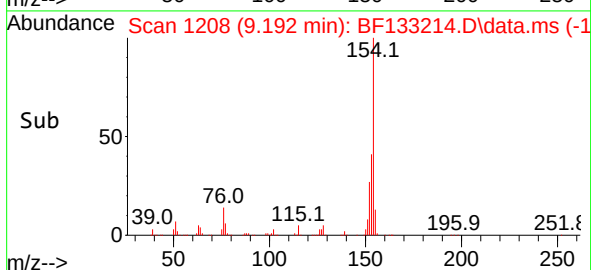
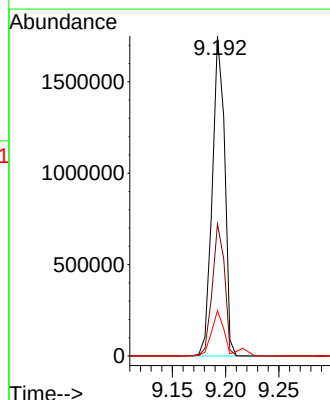
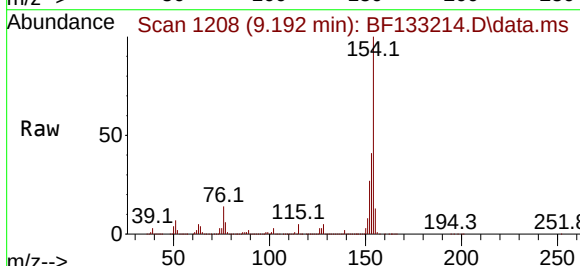
Tgt Ion:154 Resp: 1419516

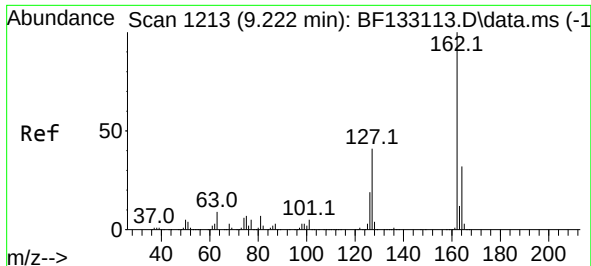
Ion Ratio Lower Upper

154 100

153 41.2 21.0 61.0

76 14.2 0.0 34.5





#47

2-Chloronaphthalene

Concen: 43.269 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

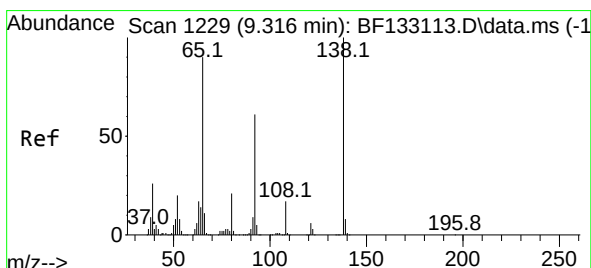
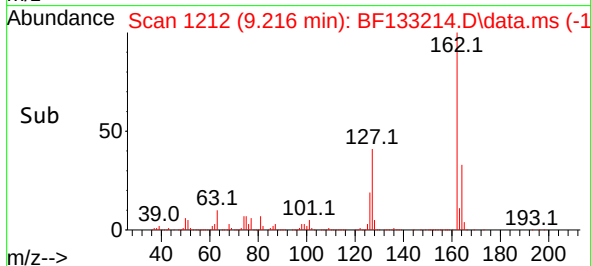
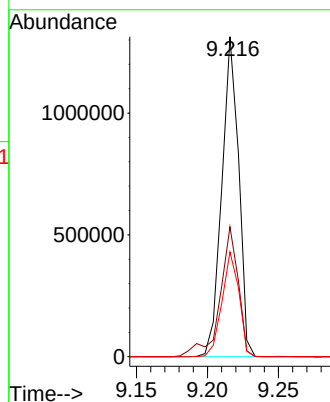
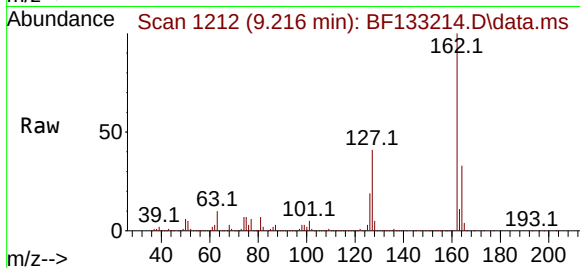
Tgt Ion:162 Resp: 1079395

Ion Ratio Lower Upper

162 100

127 40.6 32.3 48.5

164 32.7 26.8 40.2



#48

2-Nitroaniline

Concen: 43.075 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

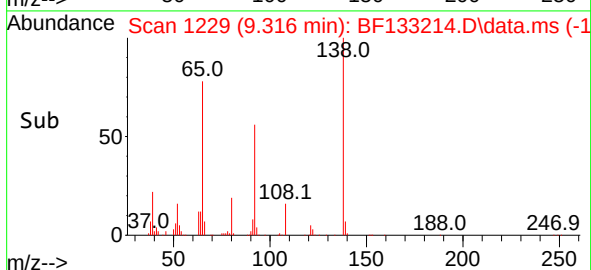
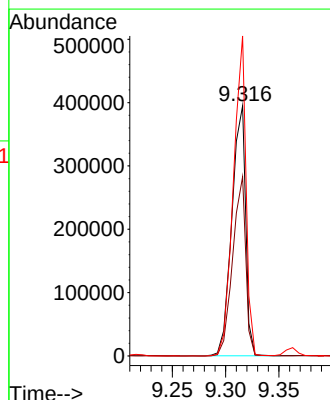
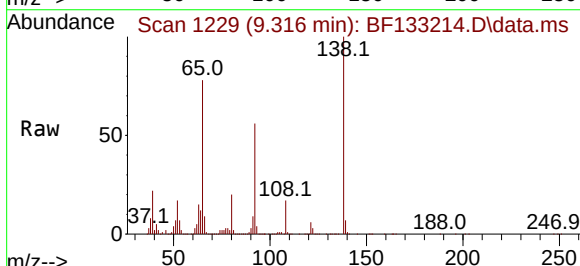
Tgt Ion: 65 Resp: 355139

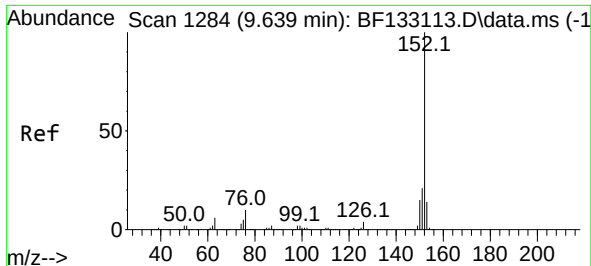
Ion Ratio Lower Upper

65 100

92 71.7 55.4 83.0

138 128.0 98.2 147.2





#49

Acenaphthylene

Concen: 41.728 ng

RT: 9.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

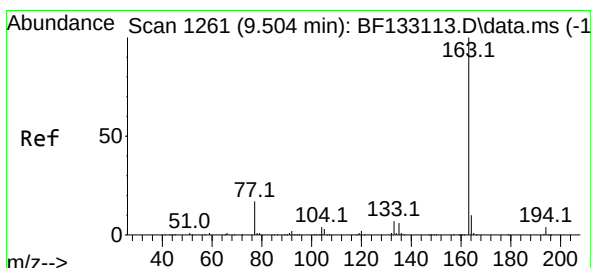
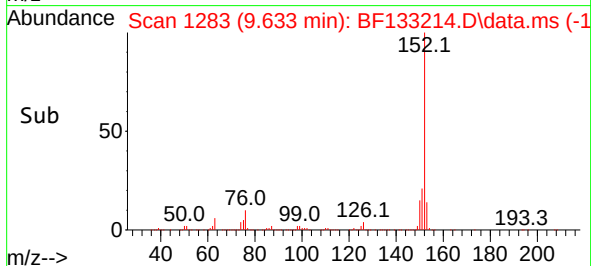
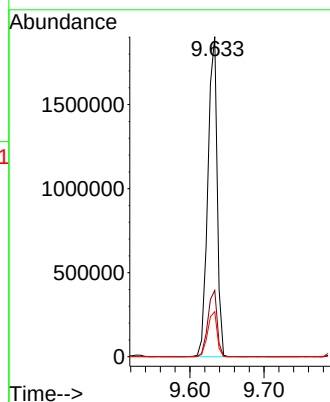
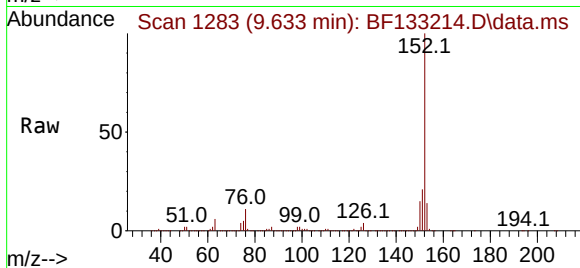
Tgt Ion:152 Resp: 1663297

Ion Ratio Lower Upper

152 100

151 20.7 16.6 24.8

153 14.1 11.5 17.3



#50

Dimethylphthalate

Concen: 42.587 ng

RT: 9.498 min Scan# 1260

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

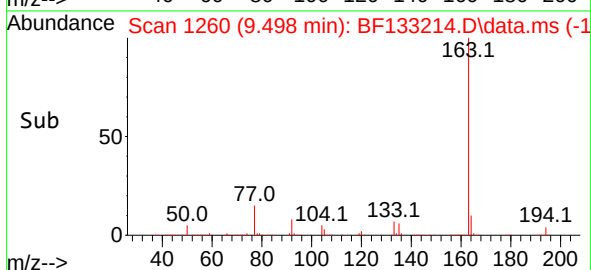
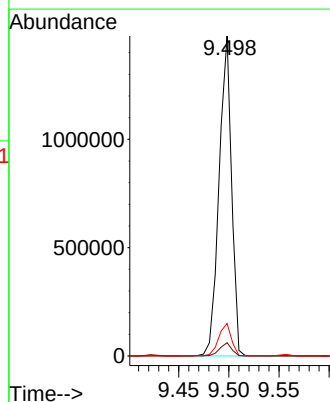
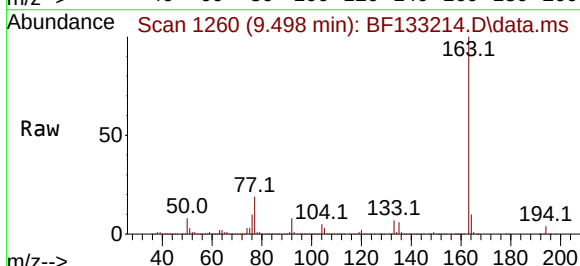
Tgt Ion:163 Resp: 1276358

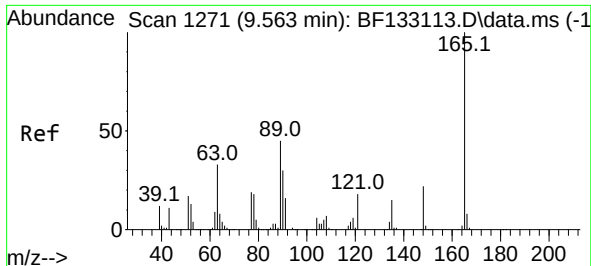
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 10.1 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 44.056 ng

RT: 9.557 min Scan# 1312

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

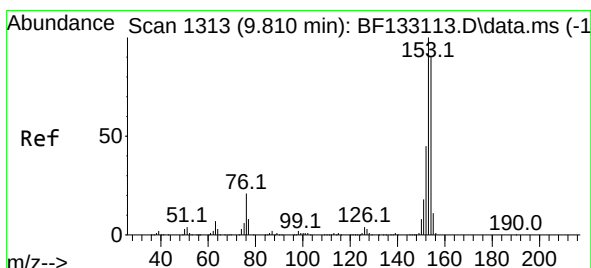
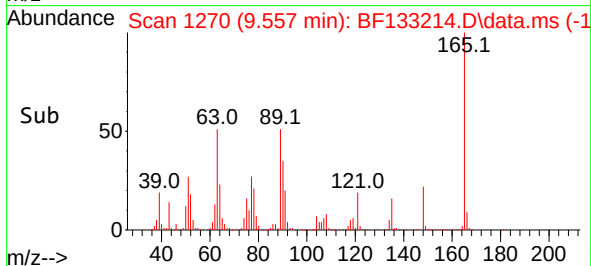
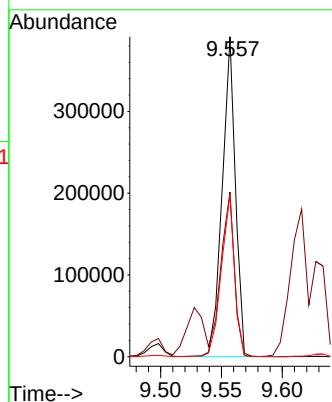
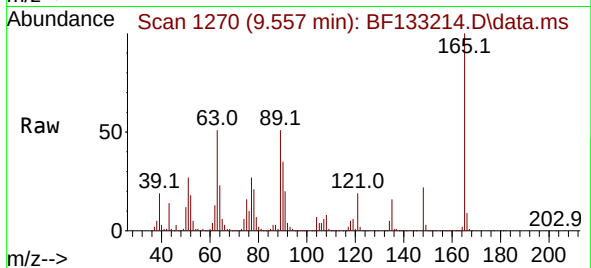
Tgt Ion:165 Resp: 297180

Ion Ratio Lower Upper

165 100

63 51.5 45.9 68.9

89 50.6 44.0 66.0



#52

Acenaphthene

Concen: 38.627 ng

RT: 9.804 min Scan# 1312

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

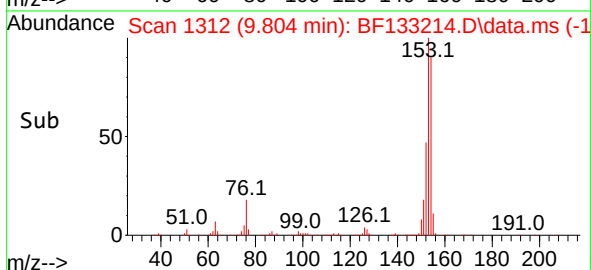
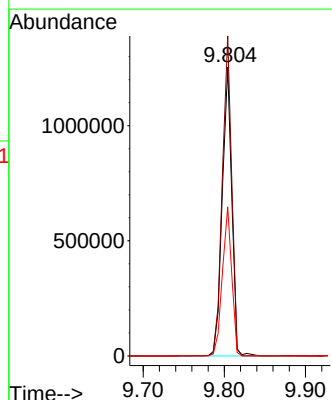
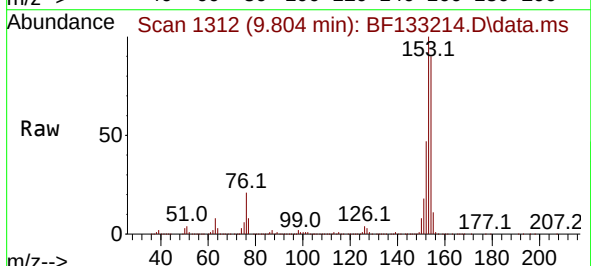
Tgt Ion:154 Resp: 1031195

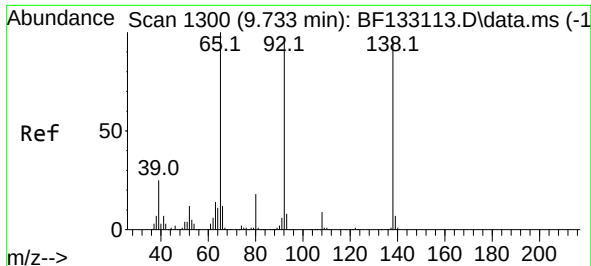
Ion Ratio Lower Upper

154 100

153 110.8 89.0 133.6

152 51.6 40.4 60.6

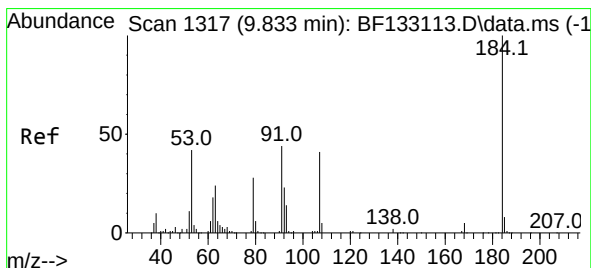
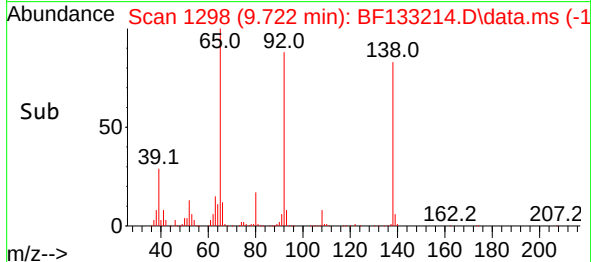
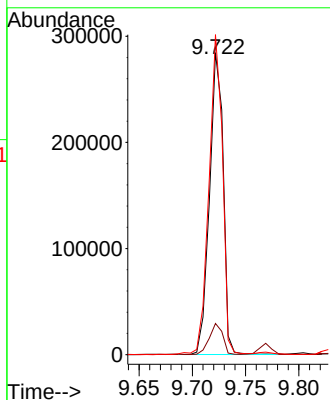
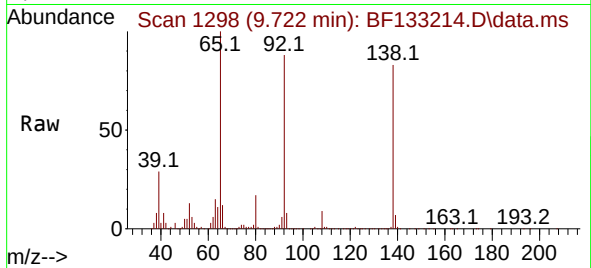




#53  
3-Nitroaniline  
Concen: 31.592 ng  
RT: 9.722 min Scan# 1298  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

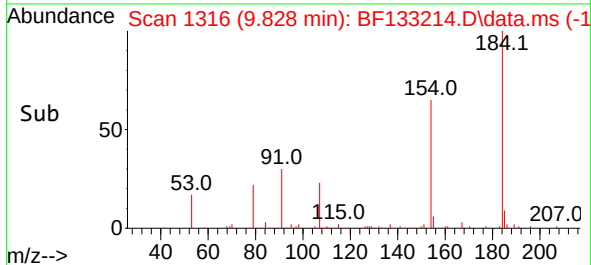
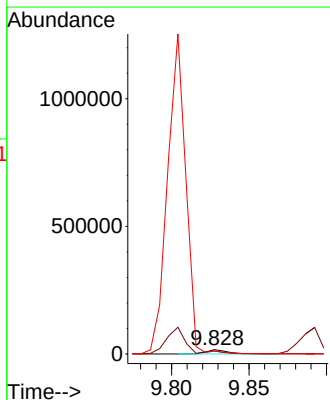
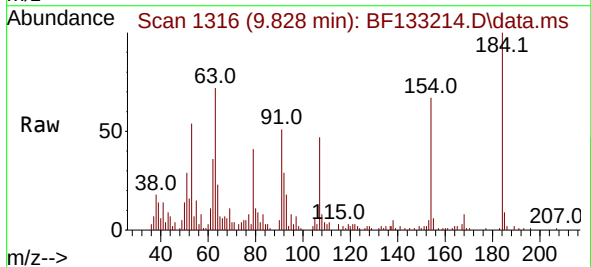
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

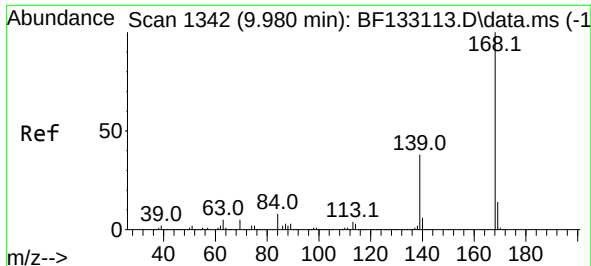
Tgt Ion:138 Resp: 253386  
Ion Ratio Lower Upper  
138 100  
108 10.3 8.0 12.0  
92 106.0 83.6 125.4



#54  
2,4-Dinitrophenol  
Concen: 4.789 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:184 Resp: 16238  
Ion Ratio Lower Upper  
184 100  
63 71.9 49.8 74.8  
154 66.7 49.5 74.3

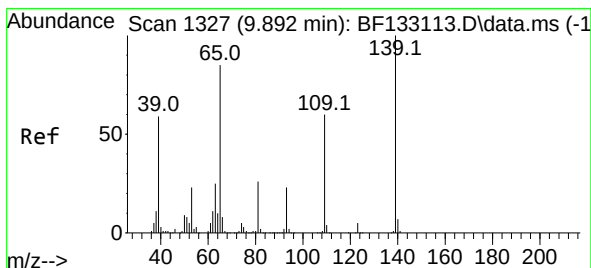
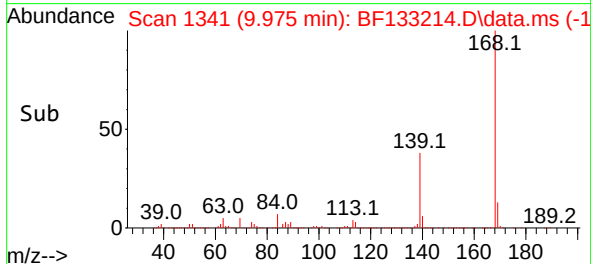
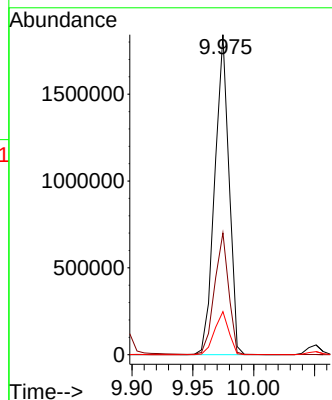
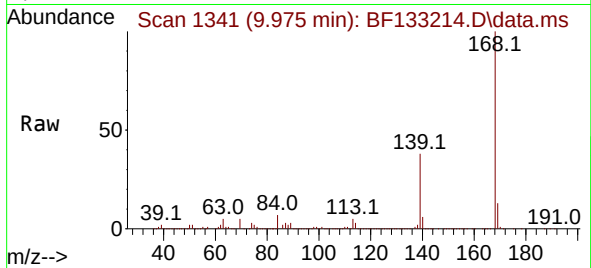




#55  
Dibenzenofuran  
Concen: 41.108 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

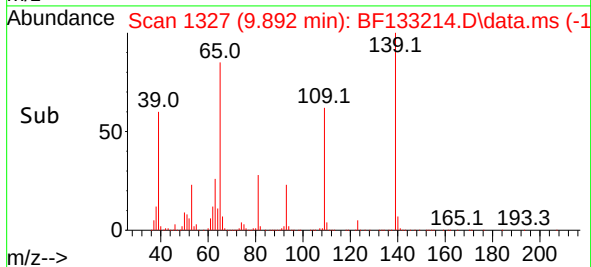
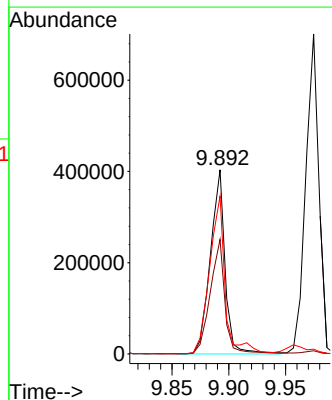
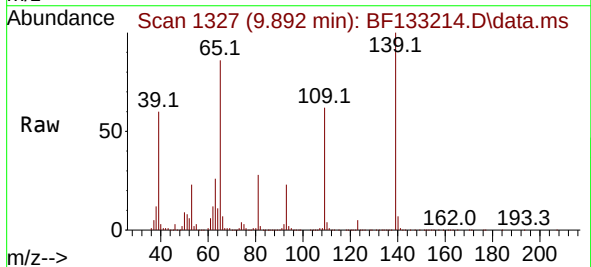
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

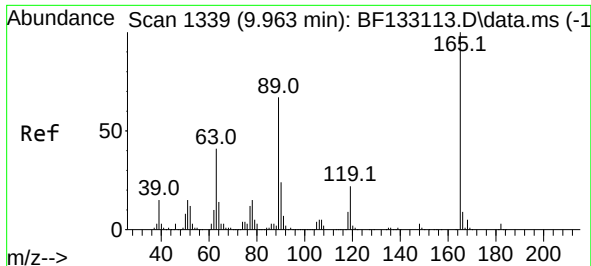
Tgt Ion:168 Resp: 1497011  
Ion Ratio Lower Upper  
168 100  
139 38.1 29.8 44.8  
169 13.5 10.8 16.2



#56  
4-Nitrophenol  
Concen: 58.314 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:139 Resp: 362250  
Ion Ratio Lower Upper  
139 100  
109 62.2 39.4 79.4  
65 85.6 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 44.368 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133214.D

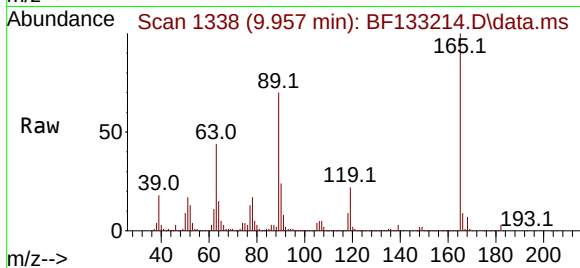
Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD



Tgt Ion:165 Resp: 381673

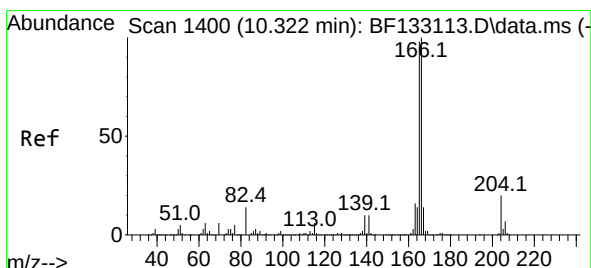
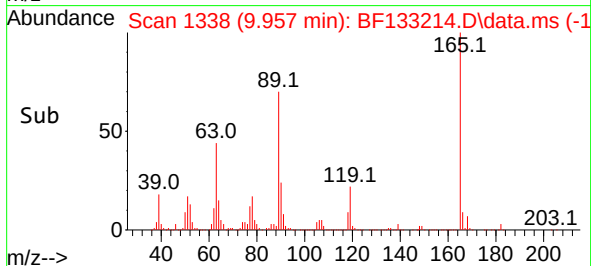
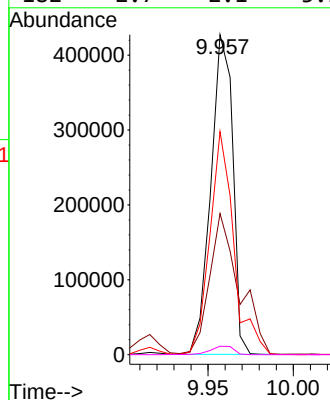
Ion Ratio Lower Upper

165 100

63 44.1 37.7 56.5

89 69.7 57.0 85.4

182 2.7 2.1 3.1



#58

Fluorene

Concen: 41.142 ng

RT: 10.316 min Scan# 1399

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

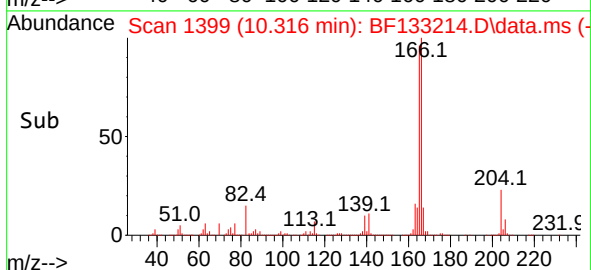
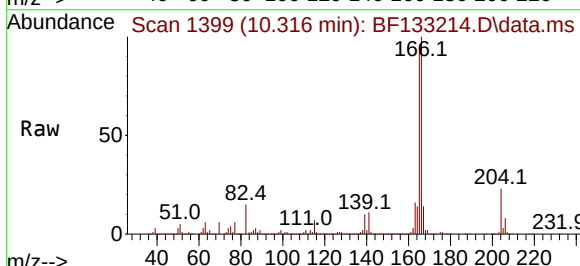
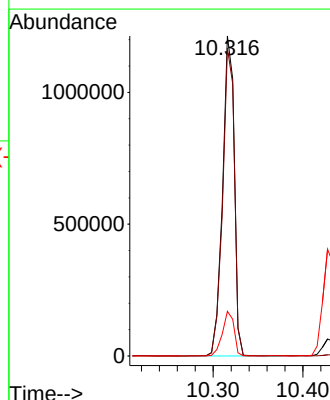
Tgt Ion:166 Resp: 1097673

Ion Ratio Lower Upper

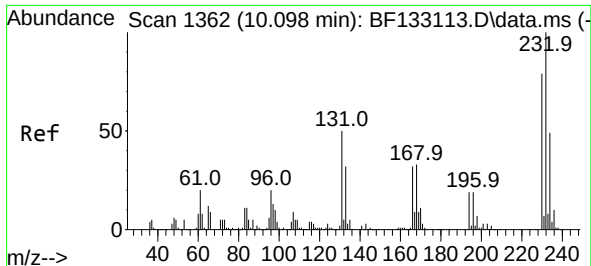
166 100

165 96.2 78.6 117.8

167 13.9 11.0 16.4



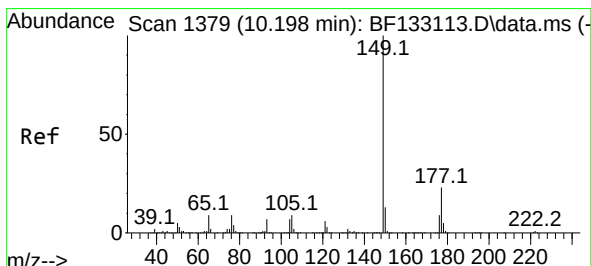
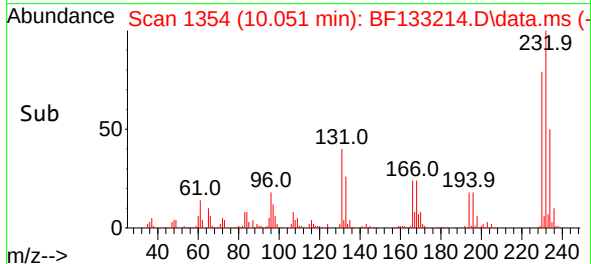
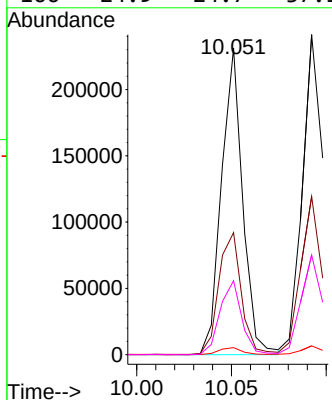
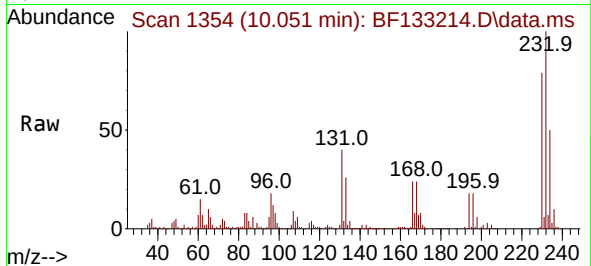




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 25.144 ng  
RT: 10.051 min Scan# 11  
Delta R.T. -0.041 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

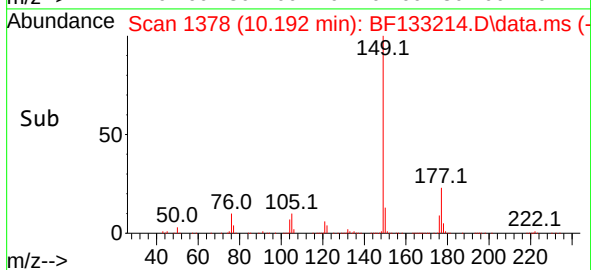
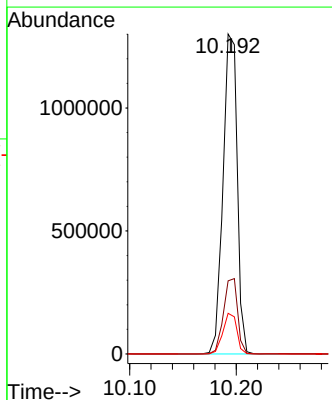
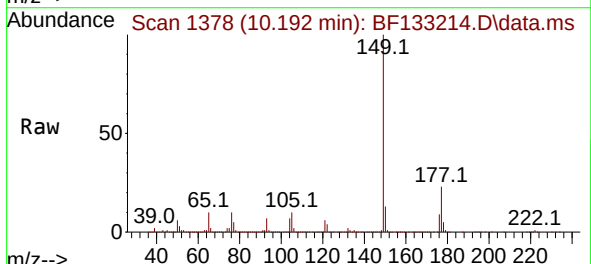
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

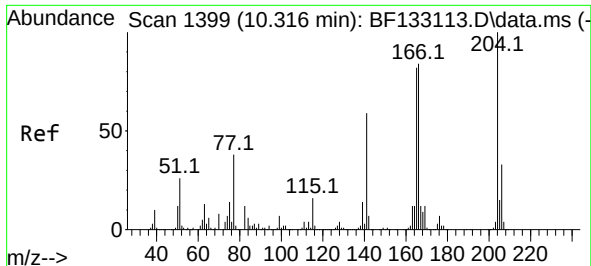
Tgt Ion:232 Resp: 180178  
Ion Ratio Lower Upper  
232 100  
131 42.3 38.0 57.0  
130 2.6 1.8 2.8  
166 24.9 24.7 37.1



#60  
Diethylphthalate  
Concen: 42.463 ng  
RT: 10.192 min Scan# 1378  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:149 Resp: 1202092  
Ion Ratio Lower Upper  
149 100  
177 22.8 18.2 27.4  
150 12.7 10.2 15.4

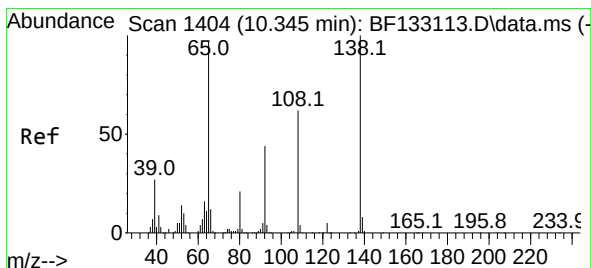
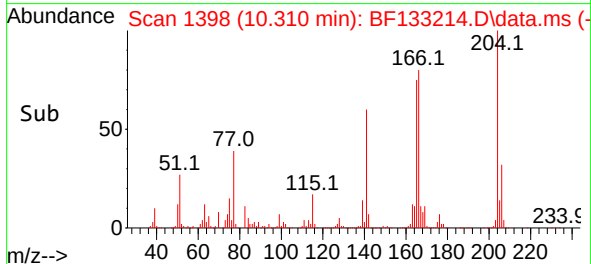
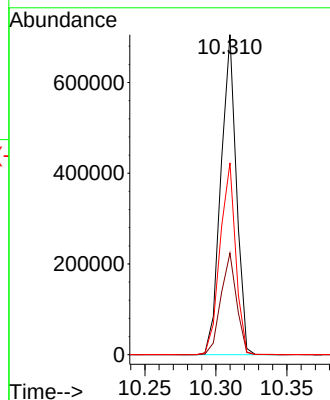
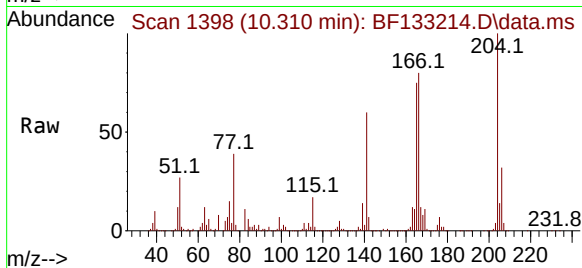




#61  
4-Chlorophenyl-phenylether  
Concen: 41.169 ng  
RT: 10.310 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

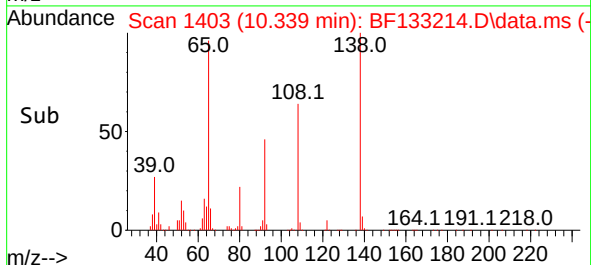
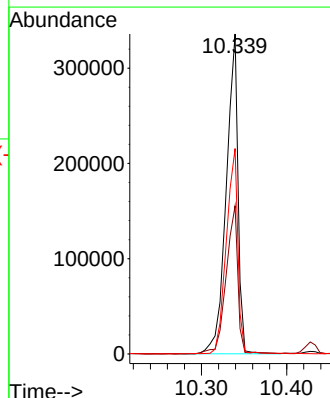
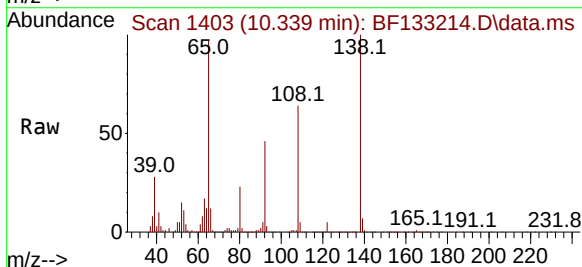
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

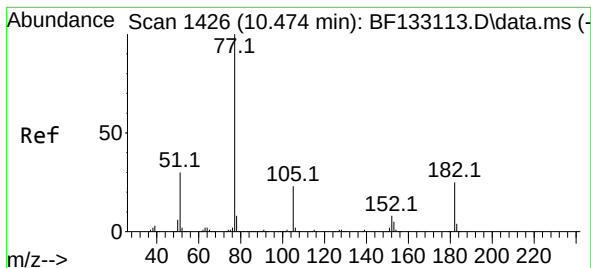
Tgt Ion:204 Resp: 535270  
Ion Ratio Lower Upper  
204 100  
206 31.7 26.1 39.1  
141 59.9 46.1 69.1



#62  
4-Nitroaniline  
Concen: 43.713 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:138 Resp: 322239  
Ion Ratio Lower Upper  
138 100  
92 46.3 27.7 67.7  
108 64.2 45.2 85.2





#63

Azobenzene

Concen: 40.739 ng

RT: 10.469 min Scan# 1426

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

Tgt Ion: 77 Resp: 1221708

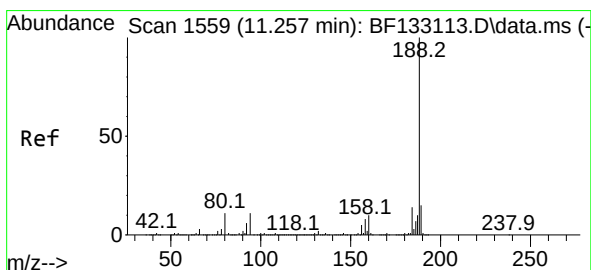
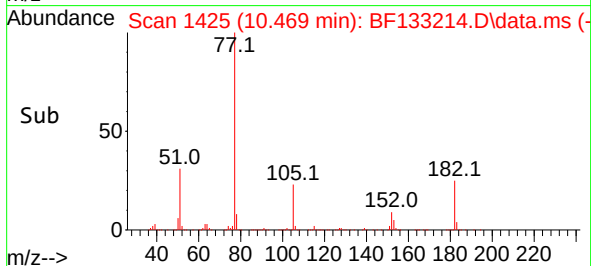
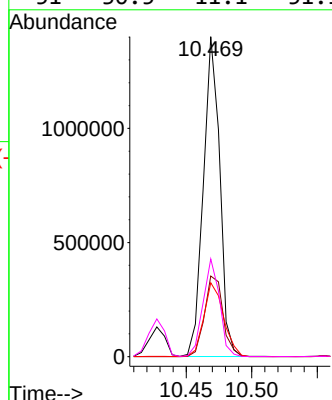
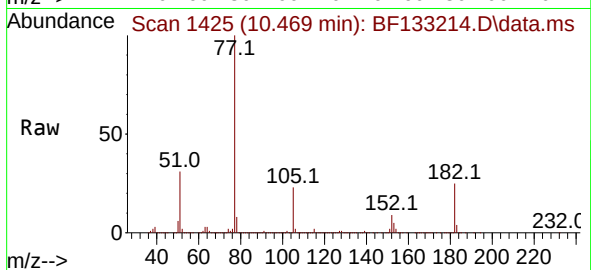
Ion Ratio Lower Upper

77 100

182 25.2 5.9 45.9

105 23.1 2.3 42.3

51 30.5 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

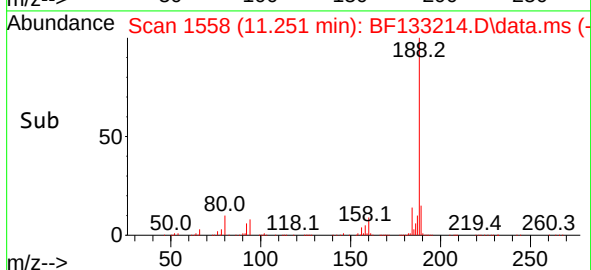
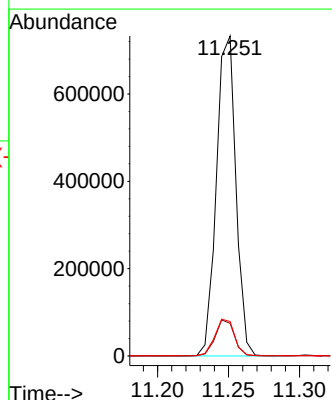
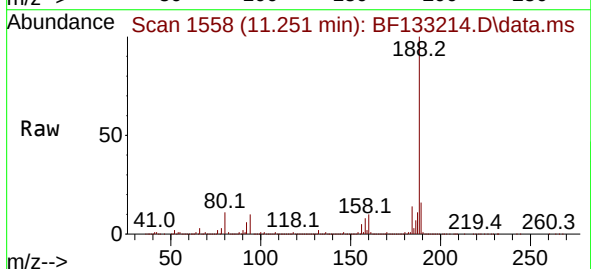
Tgt Ion: 188 Resp: 697507

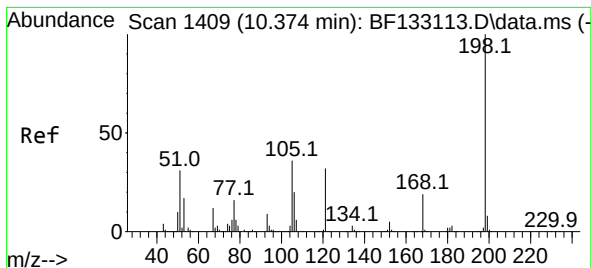
Ion Ratio Lower Upper

188 100

94 10.2 9.7 14.5

80 10.7 10.4 15.6

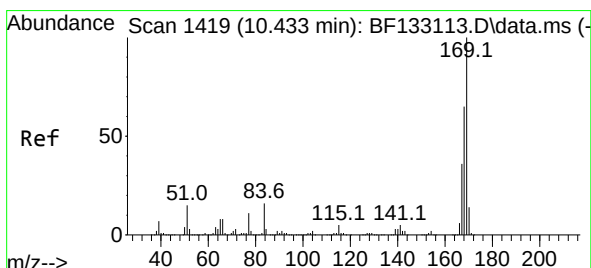
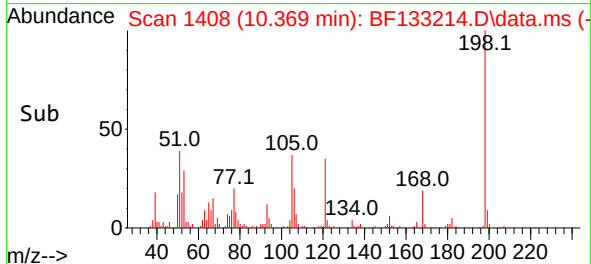
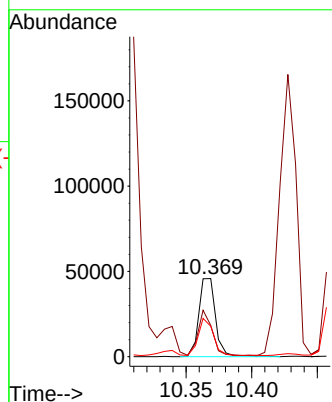
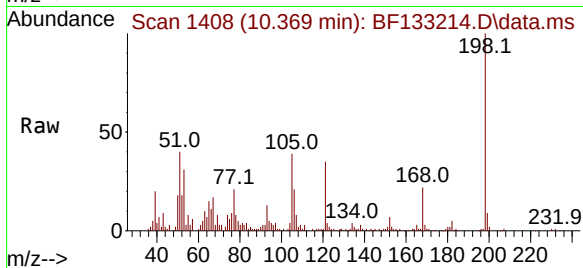




#65  
4,6-Dinitro-2-methylphenol  
Concen: 9.661 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

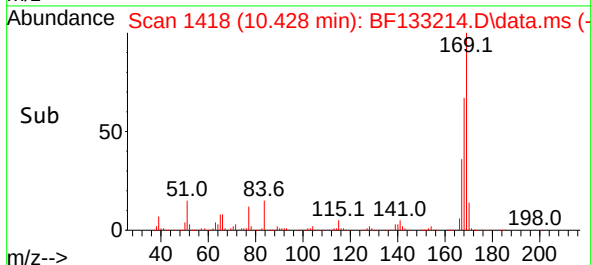
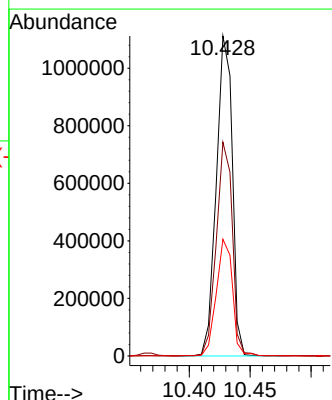
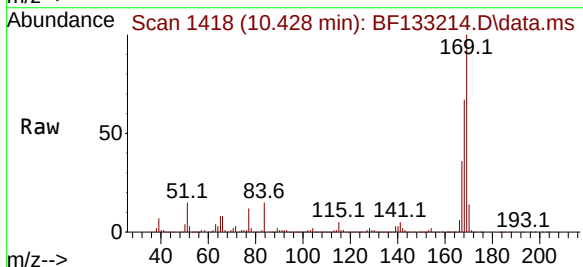
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

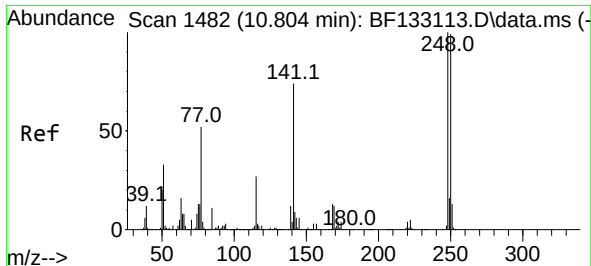
Tgt Ion:198 Resp: 40843  
Ion Ratio Lower Upper  
198 100  
51 39.9 15.5 55.5  
105 39.0 16.7 56.7



#66  
n-Nitrosodiphenylamine  
Concen: 45.014 ng  
RT: 10.428 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:169 Resp: 1018449  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.8 80.8  
167 36.5 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 44.006 ng

RT: 10.798 min Scan# 1481

Delta R.T. -0.000 min

Lab File: BF133214.D

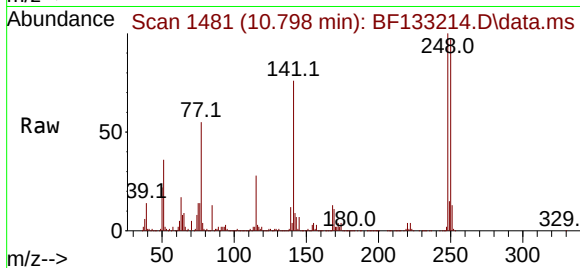
Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD



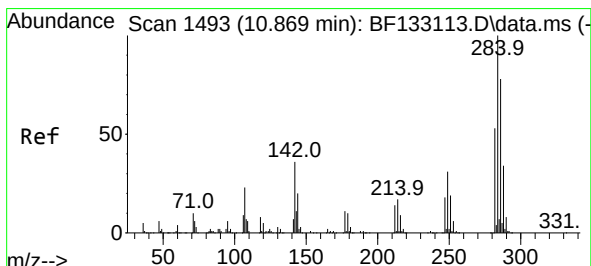
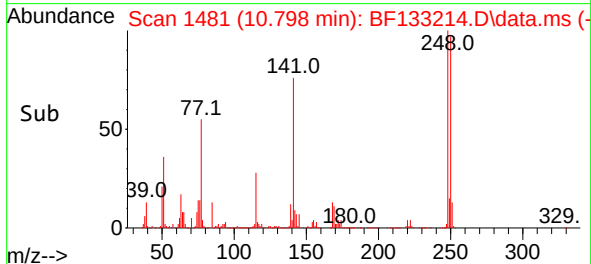
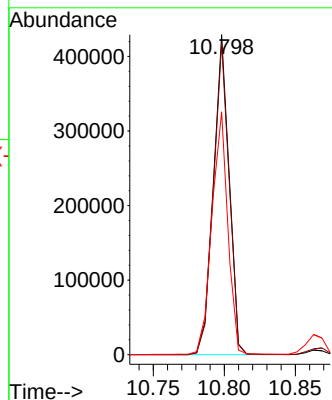
Tgt Ion:248 Resp: 332901

Ion Ratio Lower Upper

248 100

250 97.4 78.7 118.1

141 75.9 56.3 84.5



#68

Hexachlorobenzene

Concen: 45.018 ng

RT: 10.869 min Scan# 1493

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

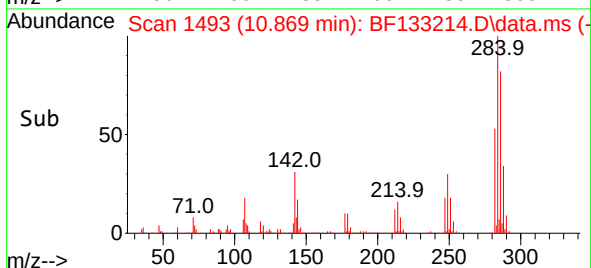
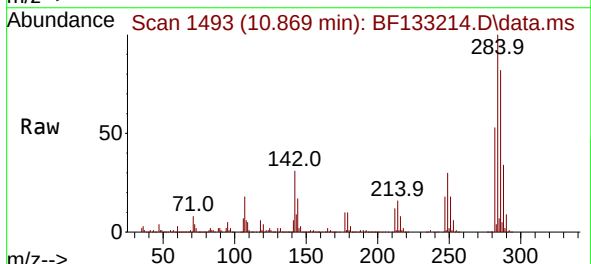
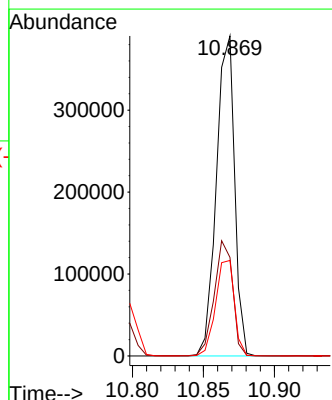
Tgt Ion:284 Resp: 348965

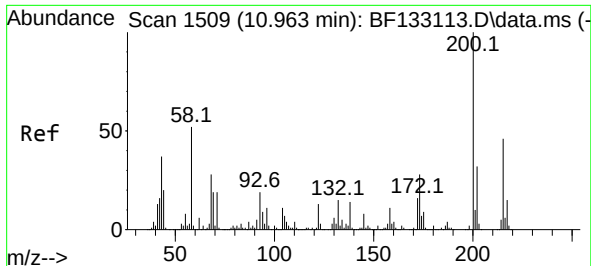
Ion Ratio Lower Upper

284 100

142 30.8 26.0 39.0

249 29.9 23.7 35.5

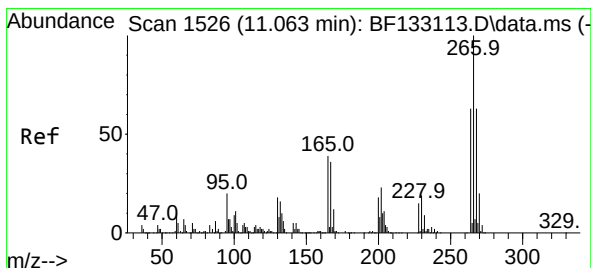
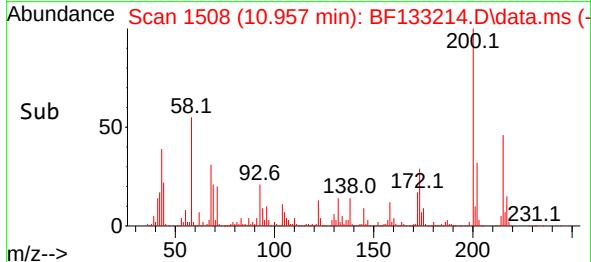
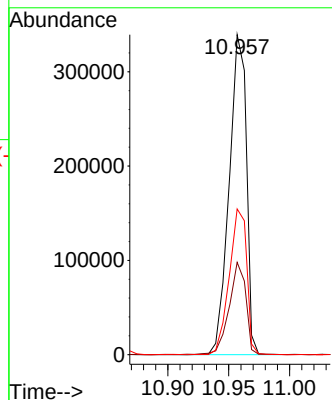
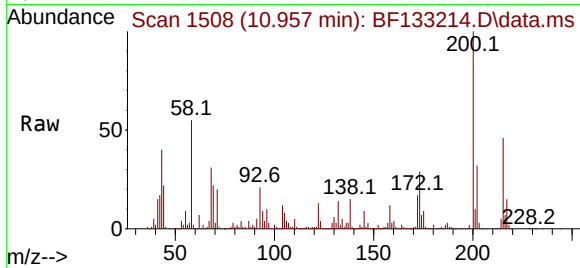




#69  
Atrazine  
Concen: 51.229 ng  
RT: 10.957 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

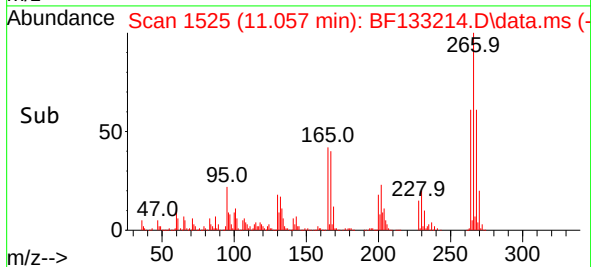
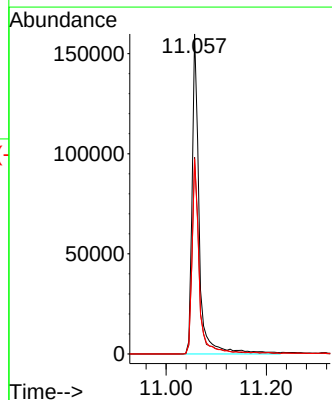
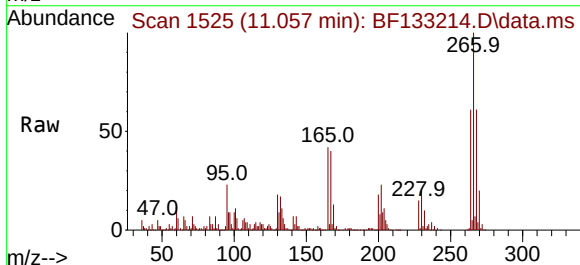
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

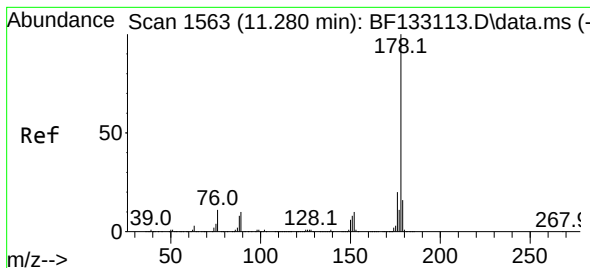
Tgt Ion:200 Resp: 333981  
Ion Ratio Lower Upper  
200 100  
173 28.9 6.2 46.2  
215 45.5 26.3 66.3



#70  
Pentachlorophenol  
Concen: 28.426 ng  
RT: 11.057 min Scan# 1525  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:266 Resp: 156932  
Ion Ratio Lower Upper  
266 100  
268 61.5 48.8 73.2  
264 60.9 50.6 76.0





#71

Phenanthrene

Concen: 43.143 ng

RT: 11.275 min Scan# 1562

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

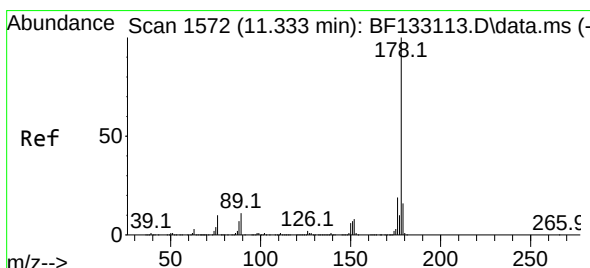
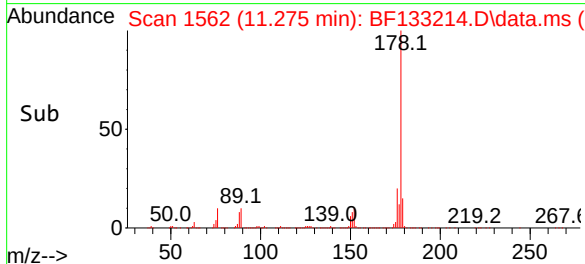
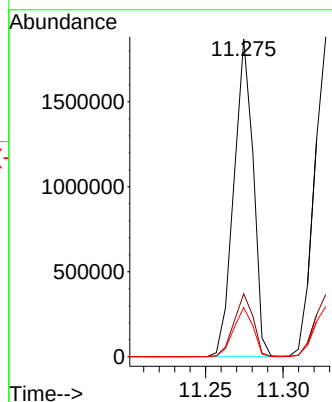
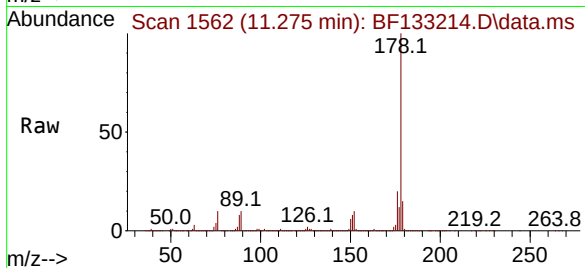
Tgt Ion:178 Resp: 1617402

Ion Ratio Lower Upper

178 100

176 19.8 15.9 23.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 42.004 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

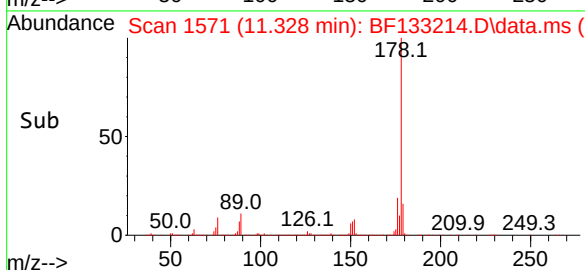
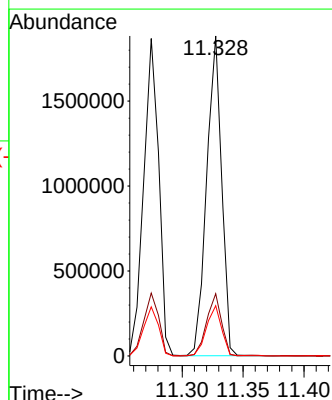
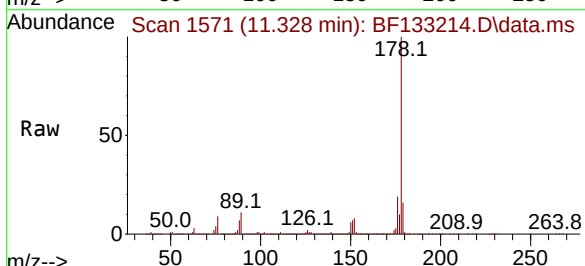
Tgt Ion:178 Resp: 1611525

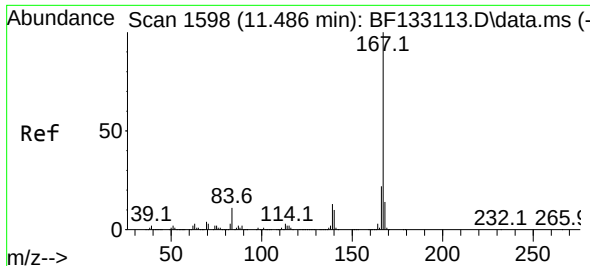
Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.0

179 15.7 12.4 18.6

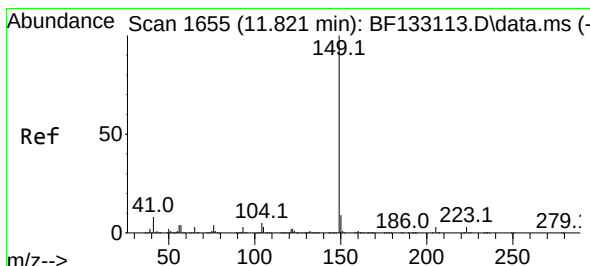
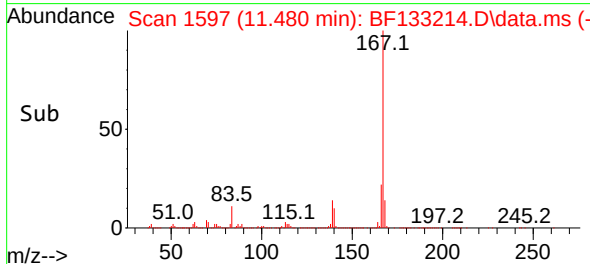
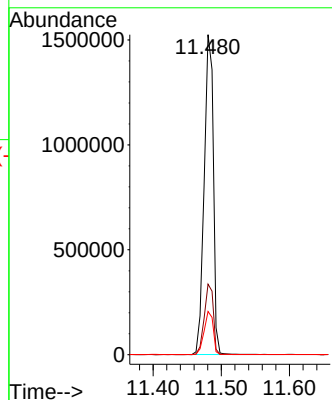
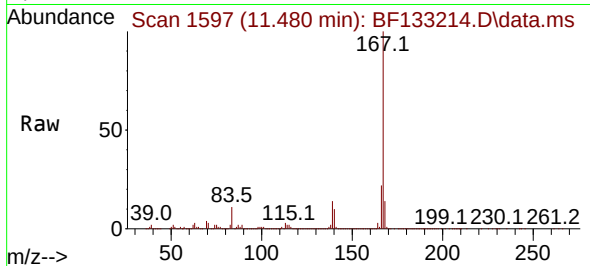




#73  
 Carbazole  
 Concen: 41.669 ng  
 RT: 11.480 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

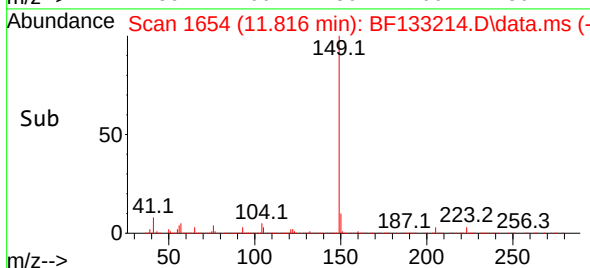
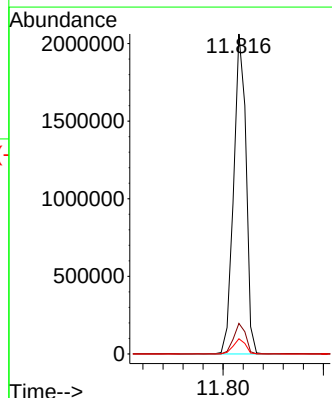
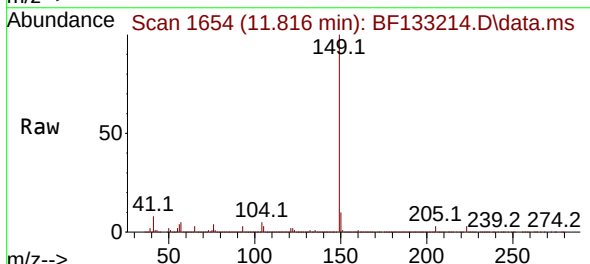
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

Tgt Ion:167 Resp: 1423513  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.4 26.0  
 139 13.5 10.6 16.0

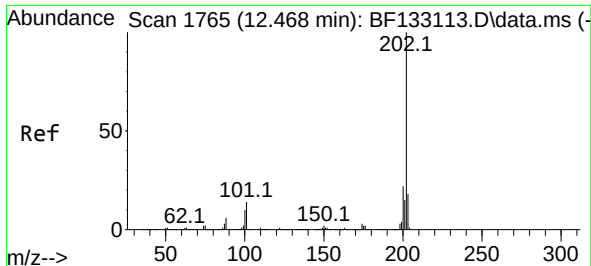


#74  
 Di-n-butylphthalate  
 Concen: 45.639 ng  
 RT: 11.816 min Scan# 1654  
 Delta R.T. -0.000 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

Tgt Ion:149 Resp: 1764395  
 Ion Ratio Lower Upper  
 149 100  
 150 9.6 7.6 11.4  
 104 4.7 4.0 6.0



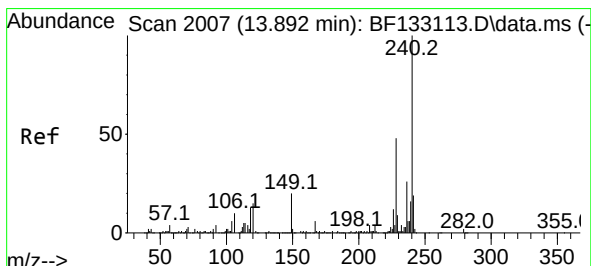
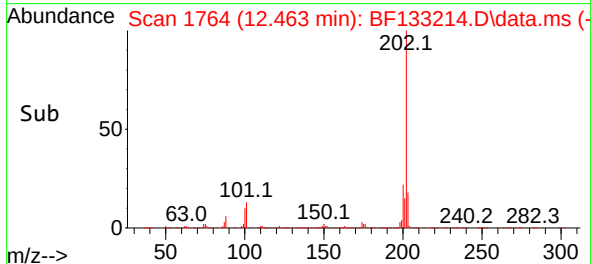
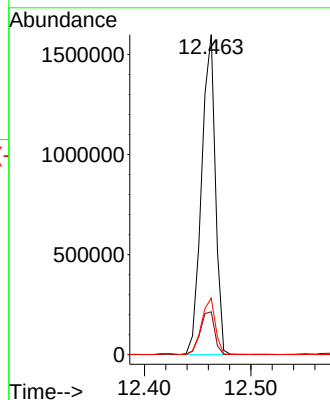
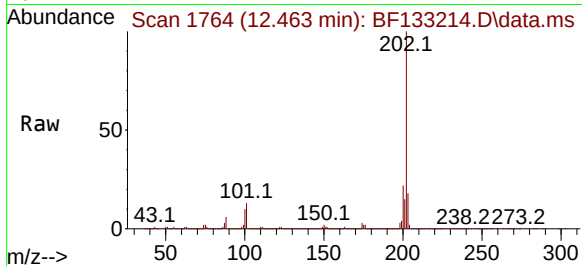




#75  
Fluoranthene  
Concen: 38.331 ng  
RT: 12.463 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

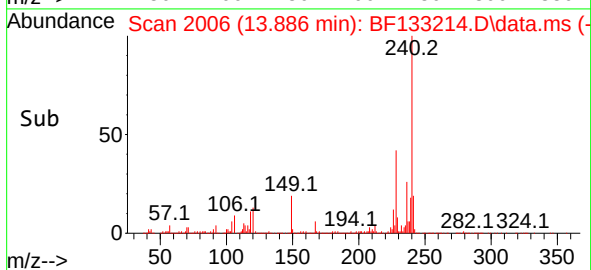
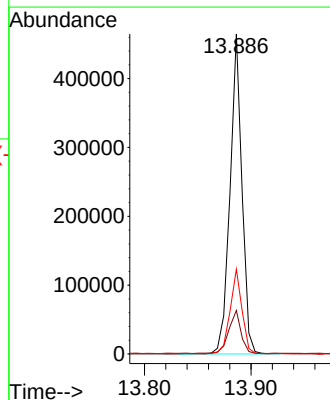
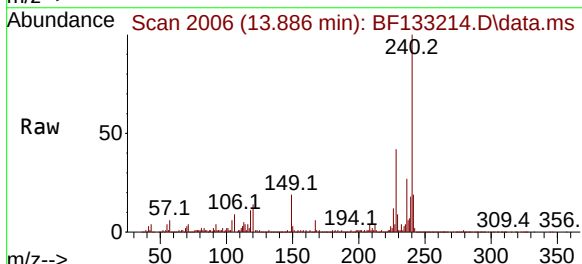
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

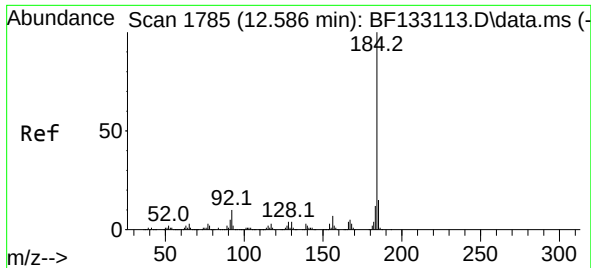
Tgt Ion:202 Resp: 1442173  
Ion Ratio Lower Upper  
202 100  
101 13.4 0.0 35.3  
203 17.7 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:240 Resp: 360468  
Ion Ratio Lower Upper  
240 100  
120 13.6 10.5 15.7  
236 26.5 21.5 32.3

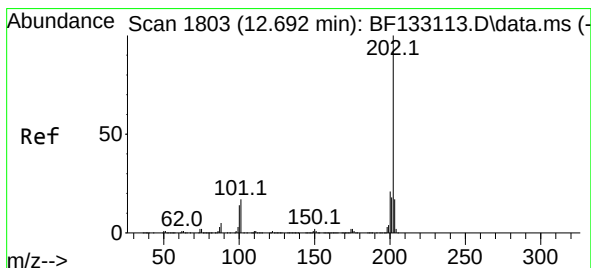
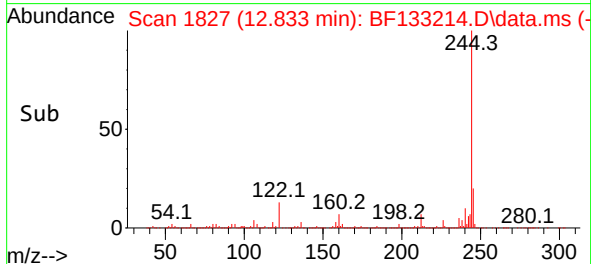
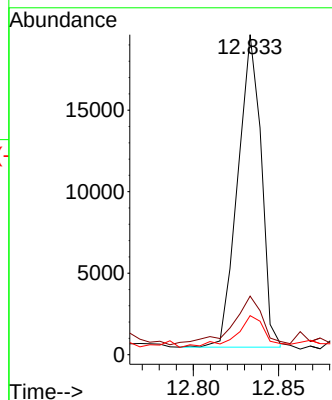
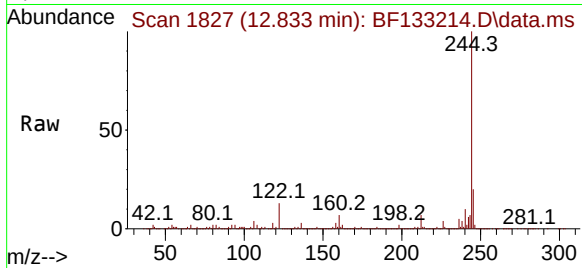




#77  
Benzidine  
Concen: 2.996 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. 0.253 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

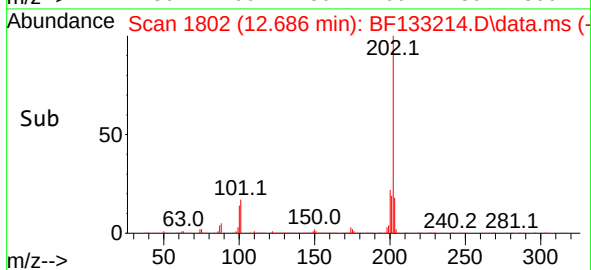
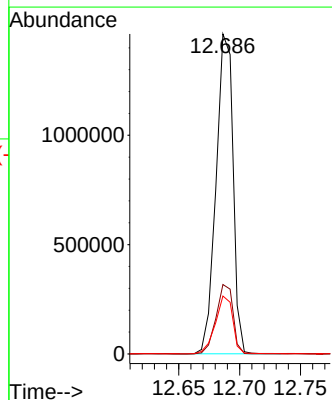
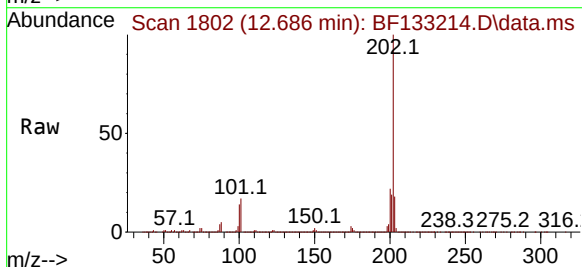
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

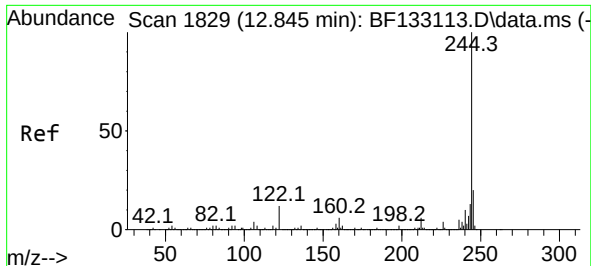
Tgt Ion:184 Resp: 18265  
Ion Ratio Lower Upper  
184 100  
185 18.3 15.4 23.2  
183 12.2 9.4 14.0



#78  
Pyrene  
Concen: 45.963 ng  
RT: 12.686 min Scan# 1802  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:202 Resp: 1420289  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.1 25.7  
203 18.1 14.1 21.1

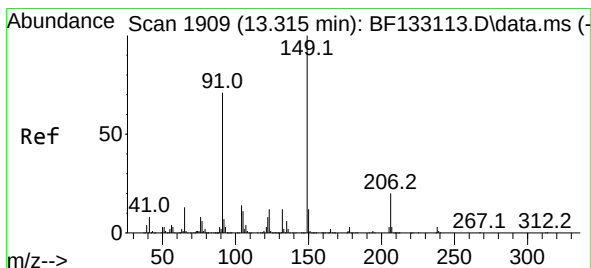
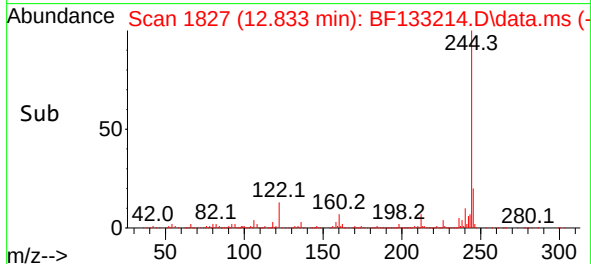
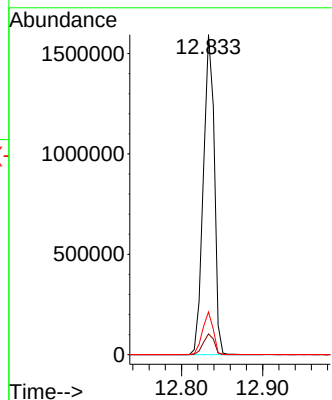
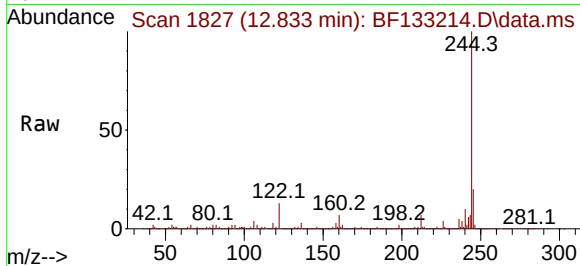




#79  
 Terphenyl-d14  
 Concen: 71.463 ng  
 RT: 12.833 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

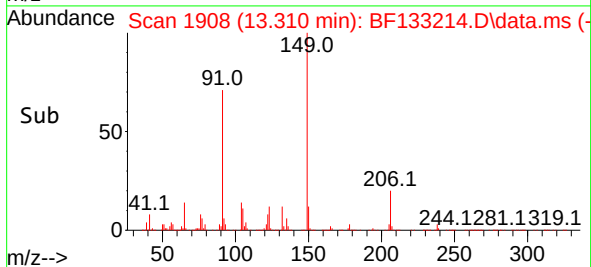
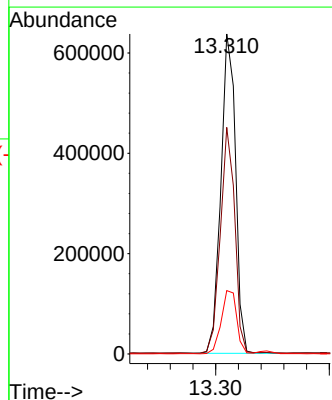
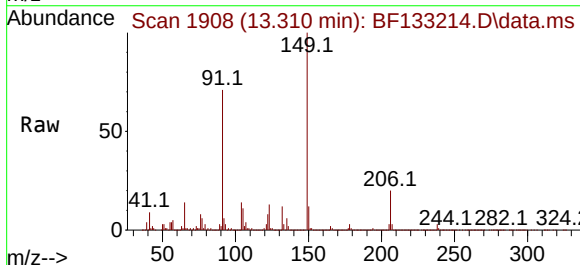
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-A-6-9-05022023MSD

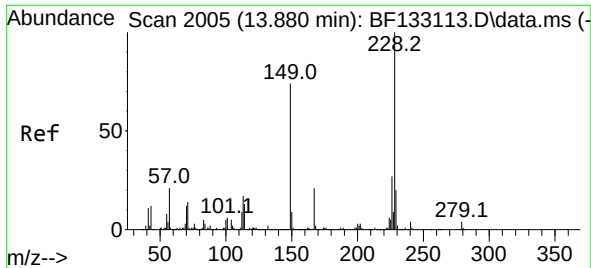
Tgt Ion:244 Resp: 1493625  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.1 7.7  
 122 13.3 8.6 13.0#



#80  
 Butylbenzylphthalate  
 Concen: 52.463 ng  
 RT: 13.310 min Scan# 1908  
 Delta R.T. -0.006 min  
 Lab File: BF133214.D  
 Acq: 03 May 2023 18:48

Tgt Ion:149 Resp: 574004  
 Ion Ratio Lower Upper  
 149 100  
 91 70.8 53.8 80.6  
 206 19.8 17.5 26.3

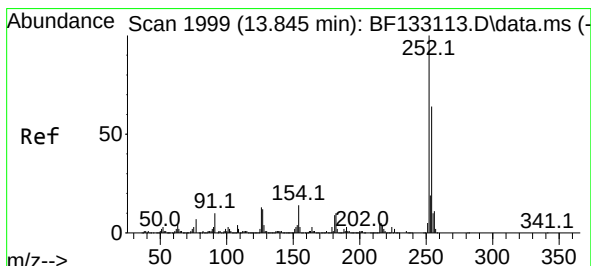
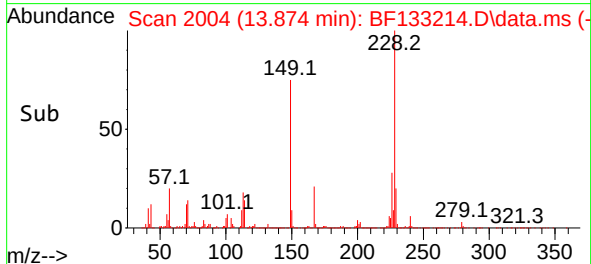
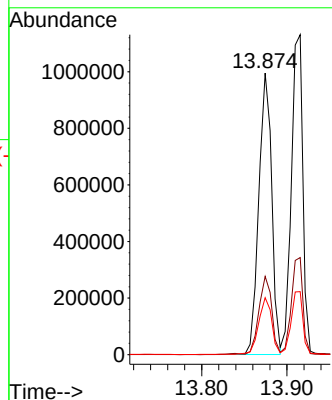
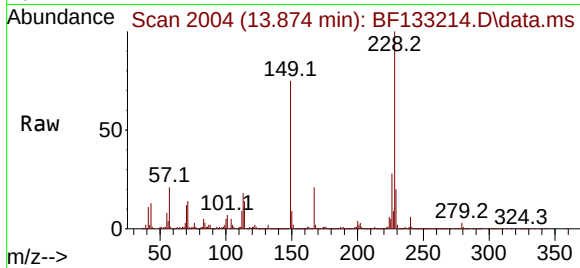




#81  
Benzo(a)anthracene  
Concen: 42.312 ng  
RT: 13.874 min Scan# 2005  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

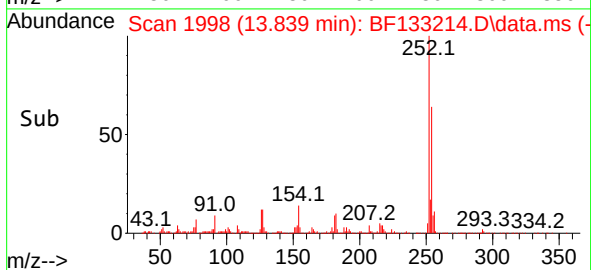
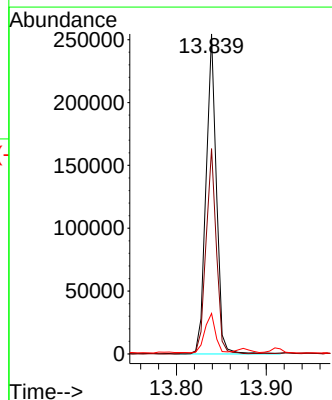
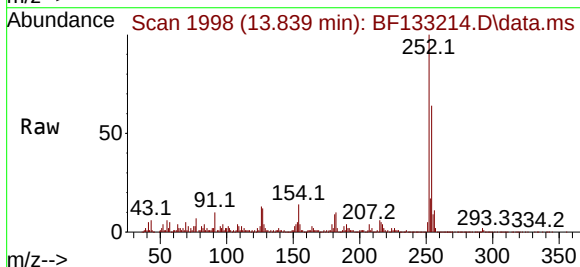
Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

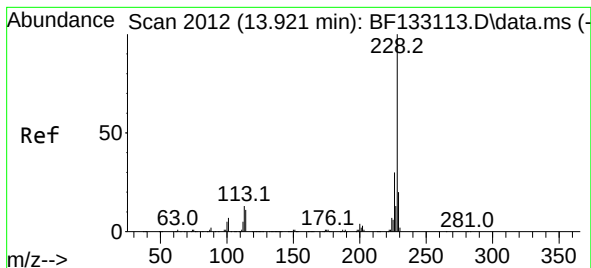
Tgt Ion:228 Resp: 1048844  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.2 33.4  
229 20.2 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 29.926 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. -0.006 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:252 Resp: 204927  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.5 77.3  
126 12.6 9.5 14.3





#83

Chrysene

Concen: 42.581 ng

RT: 13.916 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

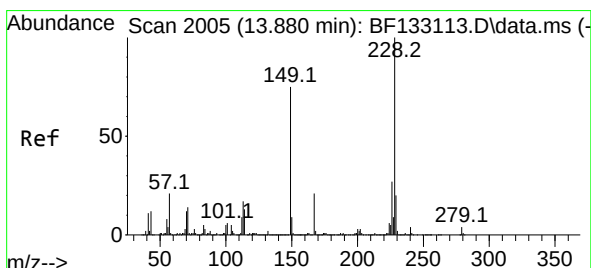
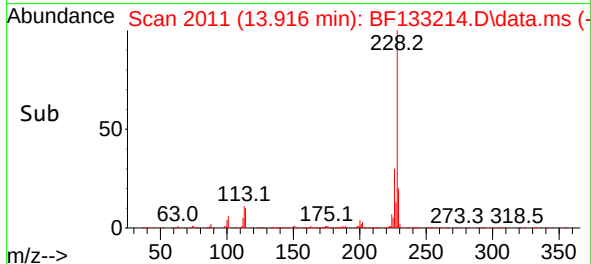
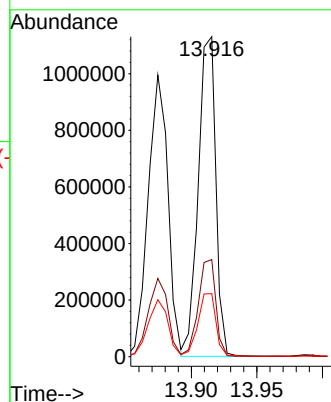
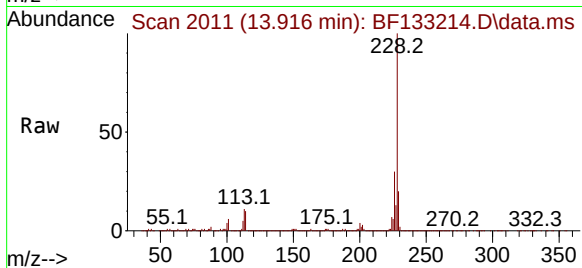
Tgt Ion:228 Resp: 1055259

Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.193 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

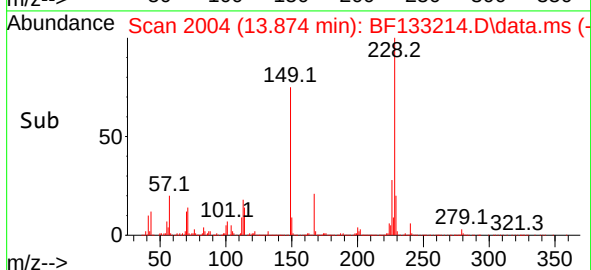
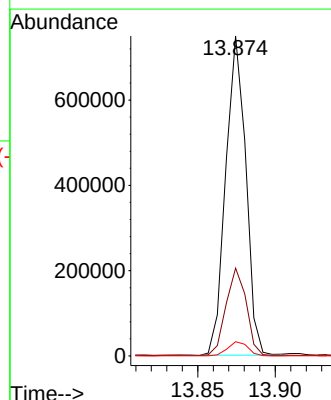
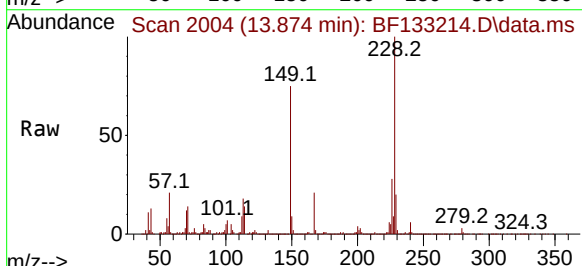
Tgt Ion:149 Resp: 675574

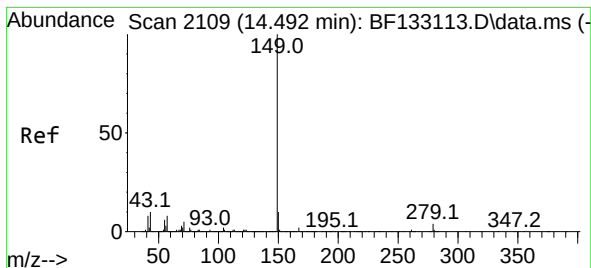
Ion Ratio Lower Upper

149 100

167 27.5 22.5 33.7

279 4.5 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 57.774 ng

RT: 14.486 min Scan# 2109

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

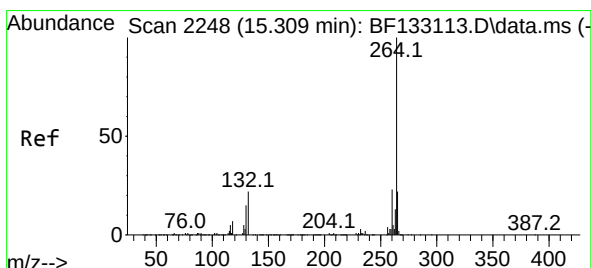
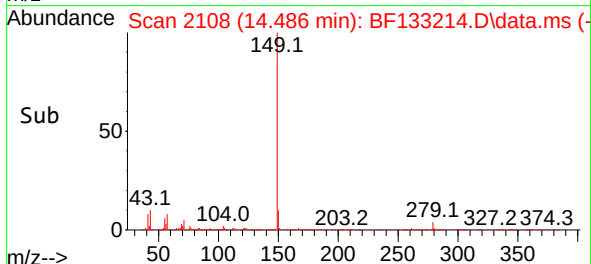
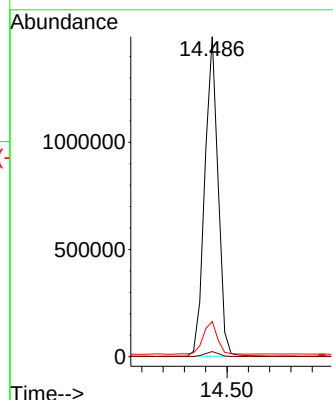
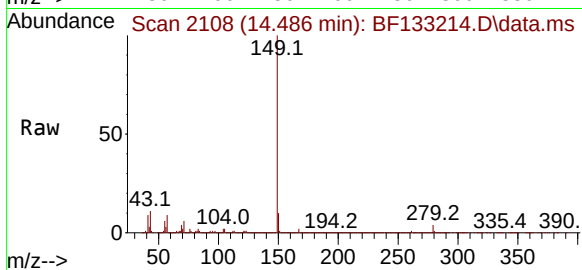
Tgt Ion:149 Resp: 1293708

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.9 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

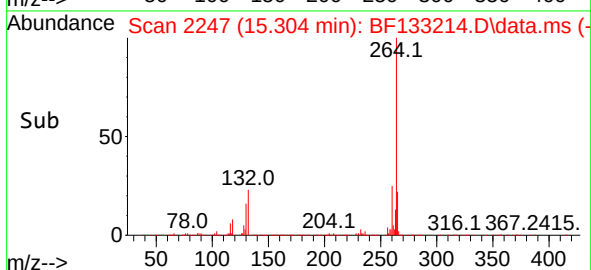
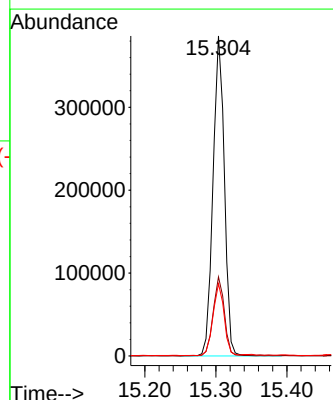
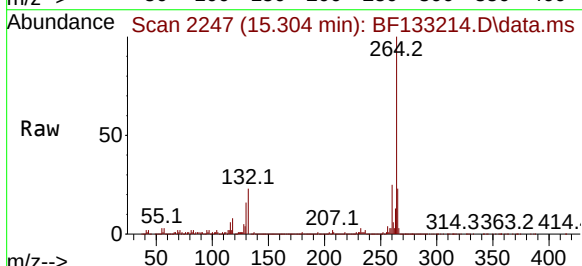
Tgt Ion:264 Resp: 430520

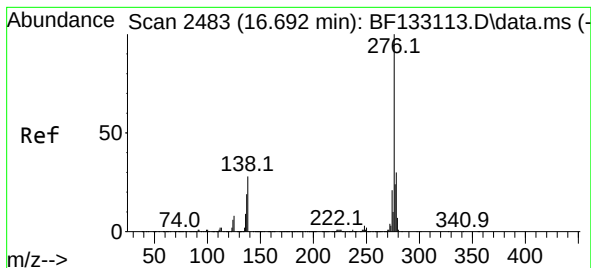
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.6 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.064 ng

RT: 16.686 min Scan# 2482

Delta R.T. -0.006 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

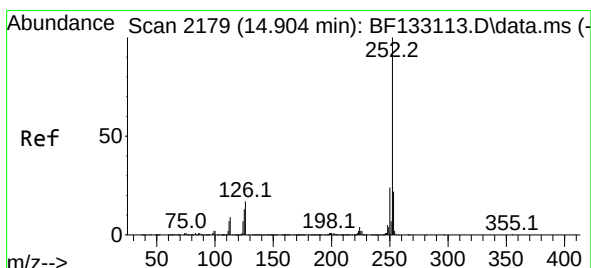
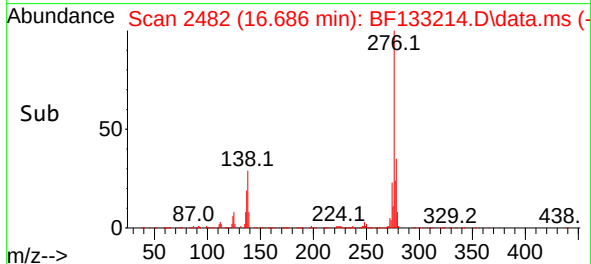
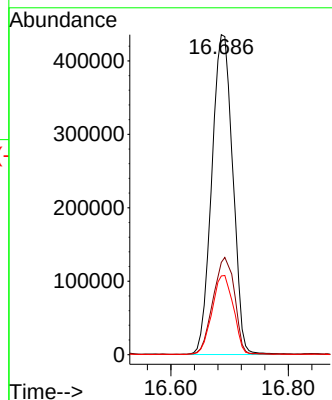
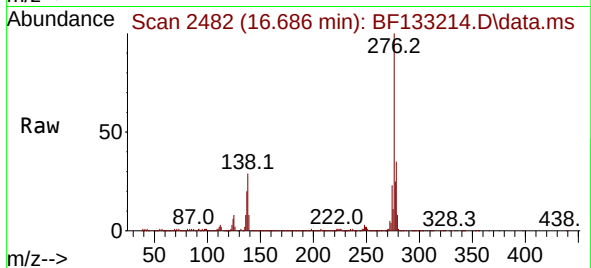
Tgt Ion:276 Resp: 1079081

Ion Ratio Lower Upper

276 100

138 31.0 25.5 38.3

277 25.2 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 44.198 ng

RT: 14.904 min Scan# 2179

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

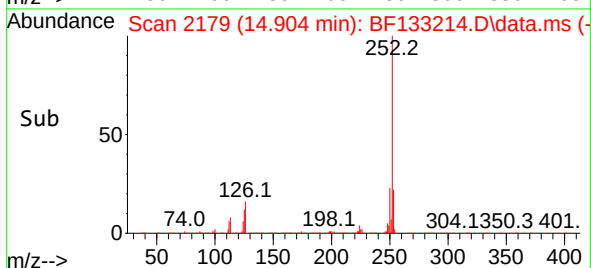
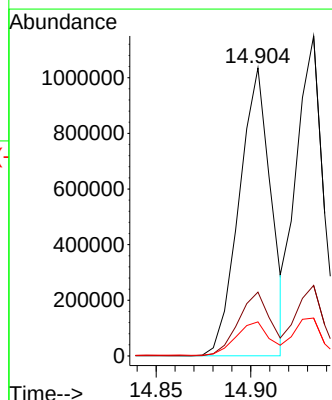
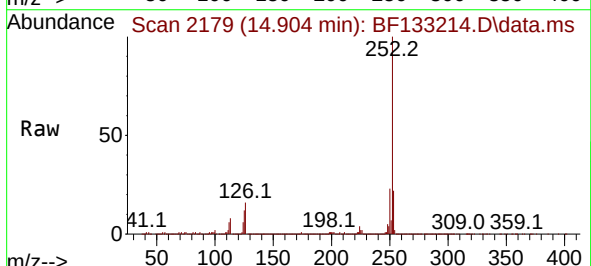
Tgt Ion:252 Resp: 1210540

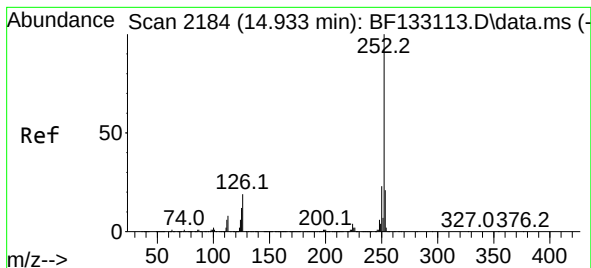
Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 11.8 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 40.892 ng

RT: 14.933 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

Instrument :

BNA\_F

ClientSampleId :

ZONE-A-6-9-05022023MSD

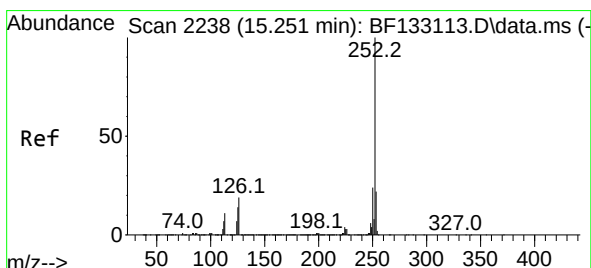
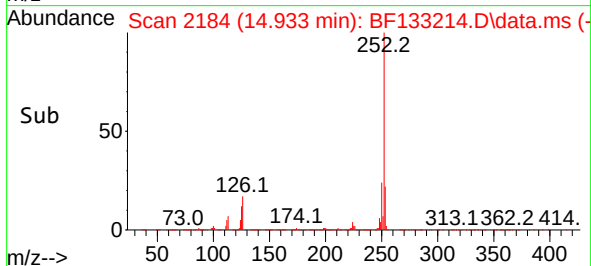
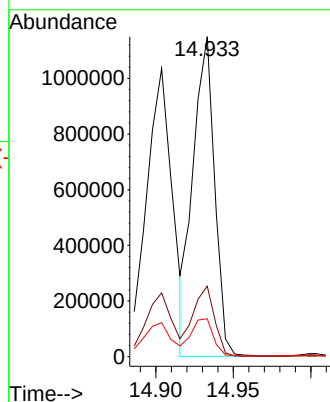
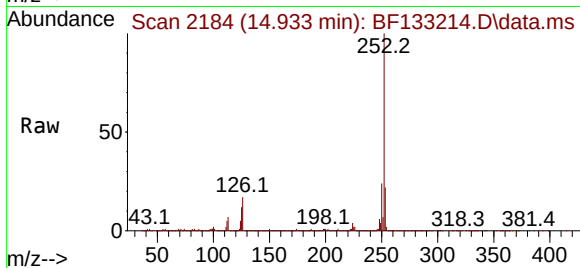
Tgt Ion:252 Resp: 1110251

Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.9 9.0 13.4



#90

Benzo(a)pyrene

Concen: 42.350 ng

RT: 15.251 min Scan# 2238

Delta R.T. -0.000 min

Lab File: BF133214.D

Acq: 03 May 2023 18:48

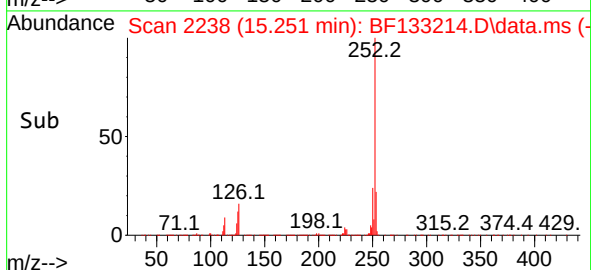
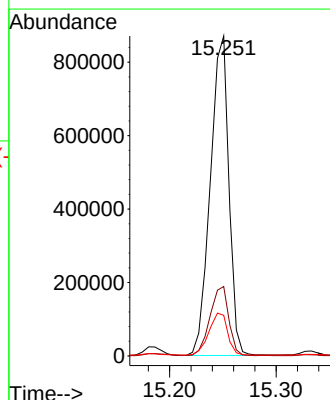
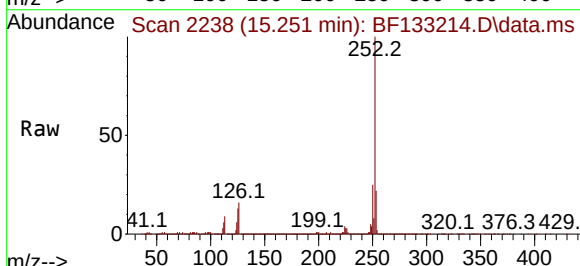
Tgt Ion:252 Resp: 1055776

Ion Ratio Lower Upper

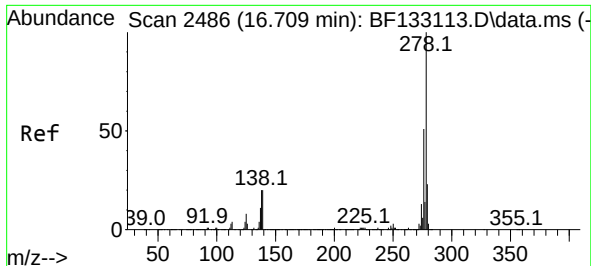
252 100

253 21.7 17.7 26.5

125 12.7 10.5 15.7



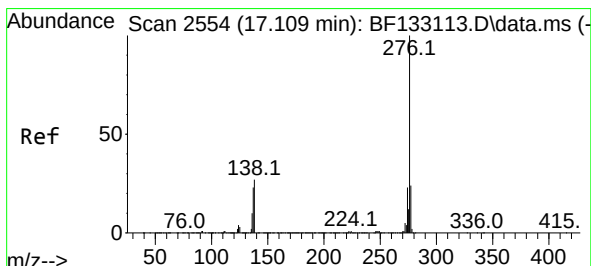
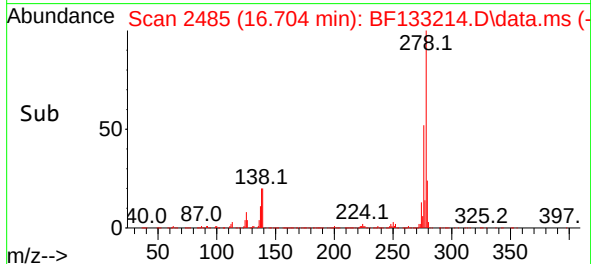
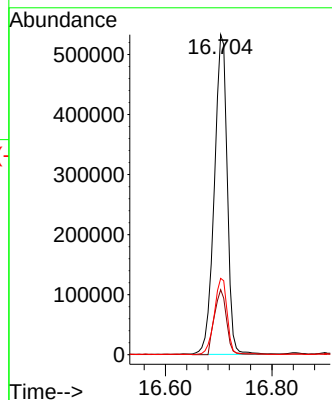
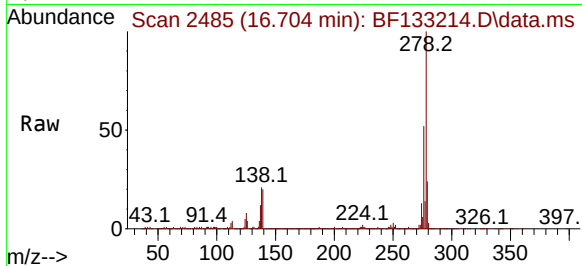




#91  
Dibenzo(a,h)anthracene  
Concen: 43.805 ng  
RT: 16.704 min Scan# 2486  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-A-6-9-05022023MSD

Tgt Ion:278 Resp: 894718  
Ion Ratio Lower Upper  
278 100  
139 20.3 16.6 24.8  
279 23.8 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 40.002 ng  
RT: 17.104 min Scan# 2553  
Delta R.T. -0.000 min  
Lab File: BF133214.D  
Acq: 03 May 2023 18:48

Tgt Ion:276 Resp: 806626  
Ion Ratio Lower Upper  
276 100  
277 23.7 19.4 29.0  
138 25.9 22.7 34.1

