

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042523\  
 Data File : BF133030.D  
 Acq On : 25 Apr 2023 14:09  
 Operator : CG\JU  
 Sample : PB152323BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152323BS

Quant Time: Apr 25 14:36:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 22 03:30:56 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 249329   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.033  | 136  | 963853   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.786  | 164  | 526512   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.263 | 188  | 928554   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.904 | 240  | 585097   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.321 | 264  | 493951   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 1652769  | 100.136 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.392  | 99   | 2023276  | 98.762  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 1209968  | 67.760  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.574 | 330  | 556170   | 105.035 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.110  | 172  | 2169863  | 68.948  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.851 | 244  | 2352971  | 69.358  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.534  | 88   | 312664   | 40.841  | ng    | 97       |
| 3) Pyridine                   | 3.228  | 79   | 765291   | 37.637  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.193  | 42   | 417507   | 39.642  | ng    | 96       |
| 6) Aniline                    | 6.410  | 93   | 879207   | 33.321  | ng    | # 17     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 734980   | 43.858  | ng    | 100      |
| 9) Benzaldehyde               | 6.287  | 77   | 409813   | 45.447  | ng    | 97       |
| 10) Phenol                    | 6.410  | 94   | 912666   | 40.383  | ng    | 77       |
| 11) bis(2-Chloroethyl)ether   | 6.487  | 93   | 725911   | 42.803  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.686  | 146  | 785953   | 44.113  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.763  | 146  | 783647   | 43.886  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.916  | 146  | 732903   | 44.519  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.892  | 79   | 571042   | 40.353  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.028  | 45   | 1206510  | 40.959  | ng    | 95       |
| 17) 2-Methylphenol            | 7.010  | 107  | 653026   | 42.556  | ng    | 98       |
| 18) Hexachloroethane          | 7.257  | 117  | 268856   | 43.307  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.169  | 70   | 499753   | 39.184  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 725830   | 40.165  | ng    | # 75     |
| 22) Acetophenone              | 7.157  | 105  | 997046   | 44.656  | ng    | # 96     |
| 24) Nitrobenzene              | 7.334  | 77   | 753058   | 41.618  | ng    | 98       |
| 25) Isophorone                | 7.575  | 82   | 1418961  | 41.852  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.651  | 139  | 408869   | 46.848  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.692  | 122  | 669527   | 44.738  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.786  | 93   | 842695   | 42.015  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.898  | 162  | 606622   | 44.527  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.975  | 180  | 627260   | 44.442  | ng    | 100      |
| 31) Naphthalene               | 8.057  | 128  | 2012219  | 41.756  | ng    | 99       |
| 32) Benzoic acid              | 7.833  | 122  | 515718   | 55.789  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.098  | 127  | 332556   | 17.080  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.175  | 225  | 346262   | 44.264  | ng    | 98       |
| 35) Caprolactam               | 8.486  | 113  | 145441   | 31.778  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.592  | 107  | 694862   | 47.297  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.745  | 142  | 1384445  | 42.022  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.845  | 142  | 1375093  | 44.616  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.916  | 216  | 578300   | 40.851  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.904  | 237  | 798027   | 96.659  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.022  | 196  | 421979   | 43.102  | ng    | 99       |

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Quant Time: Apr 25 14:36:43 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Apr 22 03:30:56 2023  
 Response via : Initial Calibration

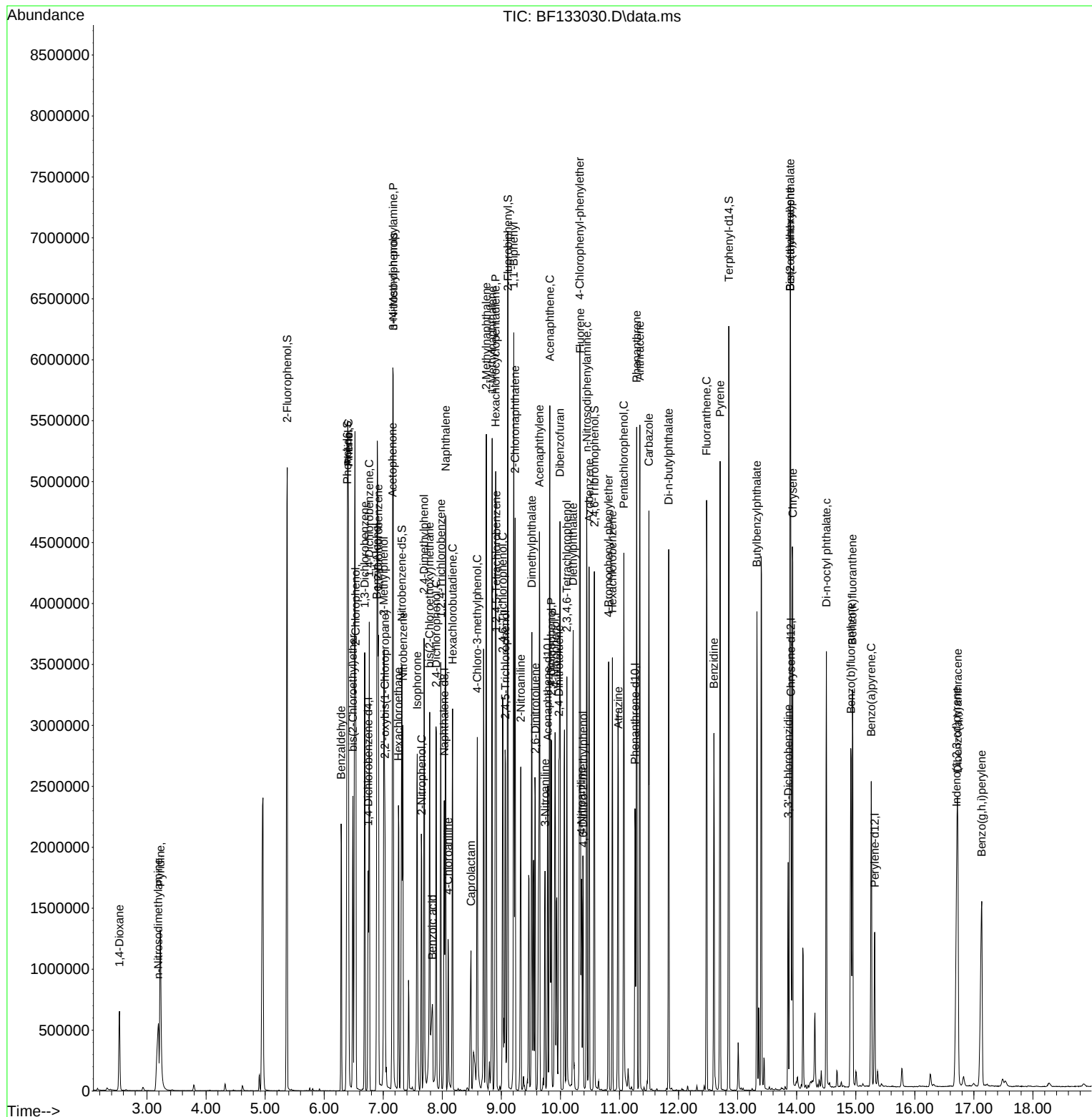
| Compound                       | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 9.069  | 196  | 455141   | 40.198  | ng    | 95       |
| 46) 1,1'-Biphenyl              | 9.210  | 154  | 1687064  | 40.409  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.233  | 162  | 1284490  | 42.034  | ng    | 99       |
| 48) 2-Nitroaniline             | 9.328  | 65   | 413564   | 40.949  | ng    | 97       |
| 49) Acenaphthylene             | 9.645  | 152  | 1997660  | 40.913  | ng    | 100      |
| 50) Dimethylphthalate          | 9.516  | 163  | 1509115  | 41.106  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.575  | 165  | 362590   | 43.881  | ng    | # 83     |
| 52) Acenaphthene               | 9.822  | 154  | 1236476  | 37.810  | ng    | 99       |
| 53) 3-Nitroaniline             | 9.739  | 138  | 281683   | 28.670  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.845  | 184  | 432472   | 104.124 | ng    | 98       |
| 55) Dibenzofuran               | 9.992  | 168  | 1783053  | 39.971  | ng    | 98       |
| 56) 4-Nitrophenol              | 9.910  | 139  | 670401   | 88.099  | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 9.975  | 165  | 466766   | 44.295  | ng    | 97       |
| 58) Fluorene                   | 10.333 | 166  | 1303518  | 39.884  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.110 | 232  | 396325   | 45.150  | ng    | 95       |
| 60) Diethylphthalate           | 10.216 | 149  | 1426444  | 41.135  | ng    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.327 | 204  | 634649   | 39.848  | ng    | 100      |
| 62) 4-Nitroaniline             | 10.357 | 138  | 408604   | 45.249  | ng    | 98       |
| 63) Azobenzene                 | 10.486 | 77   | 1454655  | 39.599  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph...  | 10.386 | 198  | 275585   | 48.965  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.445 | 169  | 1205458  | 40.022  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.816 | 248  | 418538   | 41.560  | ng    | 99       |
| 68) Hexachlorobenzene          | 10.880 | 284  | 458679   | 44.449  | ng    | 99       |
| 69) Atrazine                   | 10.980 | 200  | 413251   | 47.616  | ng    | 98       |
| 70) Pentachlorophenol          | 11.074 | 266  | 568034   | 77.290  | ng    | 98       |
| 71) Phenanthrene               | 11.292 | 178  | 1987717  | 39.828  | ng    | 99       |
| 72) Anthracene                 | 11.345 | 178  | 2053896  | 40.214  | ng    | 99       |
| 73) Carbazole                  | 11.498 | 167  | 1868427  | 41.084  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.833 | 149  | 2202684  | 42.799  | ng    | 99       |
| 75) Fluoranthene               | 12.474 | 202  | 2035294  | 40.635  | ng    | 99       |
| 77) Benzidine                  | 12.598 | 184  | 1097535  | 110.926 | ng    | # 93     |
| 78) Pyrene                     | 12.704 | 202  | 2112061  | 42.110  | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.327 | 149  | 900770   | 50.722  | ng    | 94       |
| 81) Benzo(a)anthracene         | 13.892 | 228  | 1641423  | 40.796  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.857 | 252  | 377870   | 33.996  | ng    | 100      |
| 83) Chrysene                   | 13.933 | 228  | 1647233  | 40.950  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha...  | 13.892 | 149  | 983567   | 44.124  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.504 | 149  | 1670601  | 45.963  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene     | 16.709 | 276  | 1392224  | 49.551  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 14.921 | 252  | 1470564  | 46.797  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.945 | 252  | 1269497  | 40.753  | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.262 | 252  | 1149911  | 40.203  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.727 | 278  | 1157837  | 49.408  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.133 | 276  | 1173816  | 50.736  | ng    | 98       |

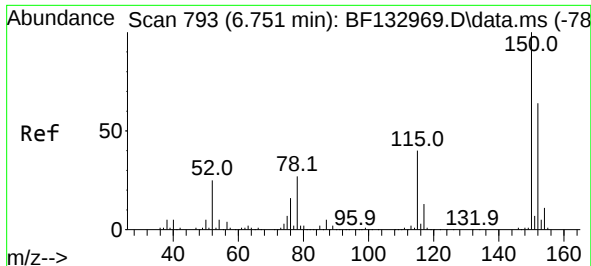
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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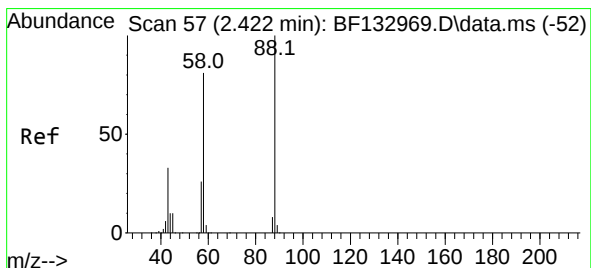
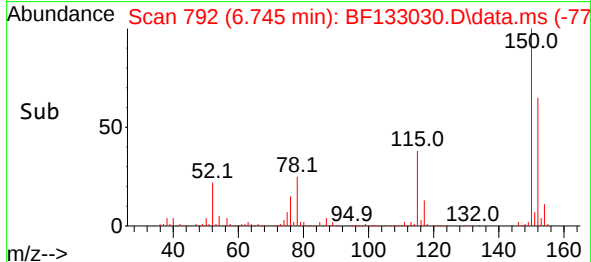
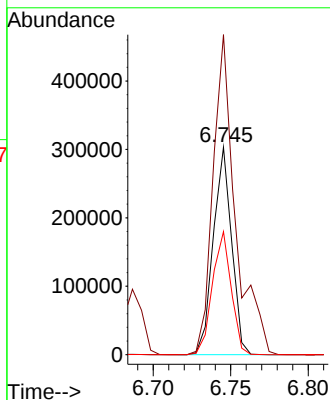
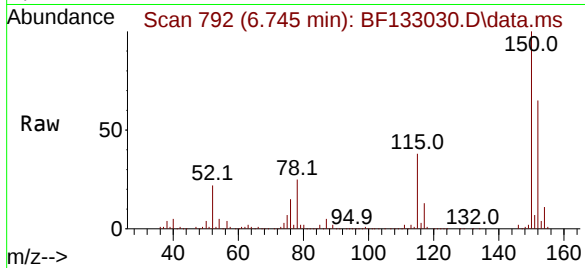




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.745 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

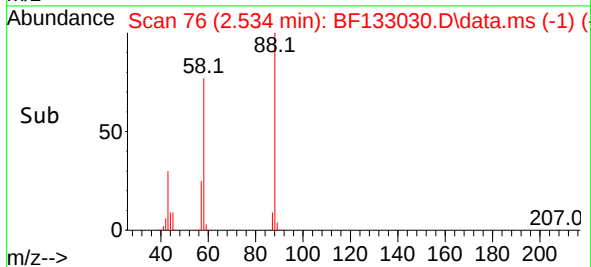
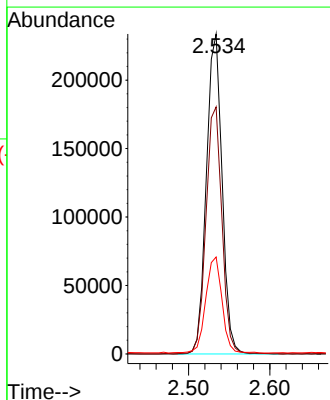
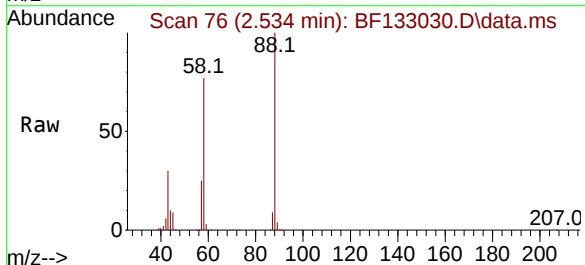
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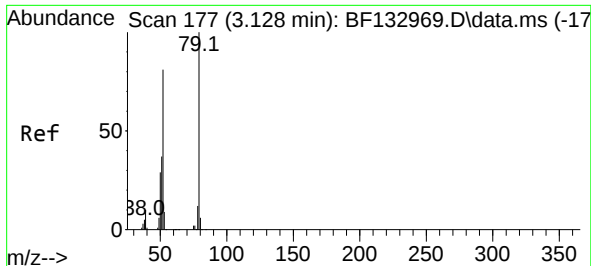
Tgt Ion:152 Resp: 249329  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 124.8 187.2  
 115 59.2 49.9 74.9



#2  
 1,4-Dioxane  
 Concen: 40.841 ng  
 RT: 2.534 min Scan# 76  
 Delta R.T. 0.112 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

Tgt Ion: 88 Resp: 312664  
 Ion Ratio Lower Upper  
 88 100  
 58 78.6 64.7 97.1  
 43 31.2 26.2 39.2

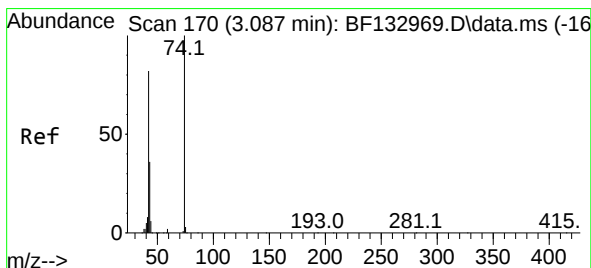
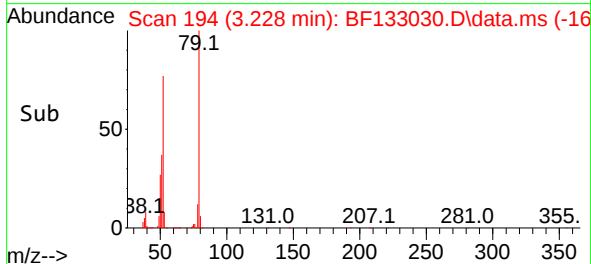
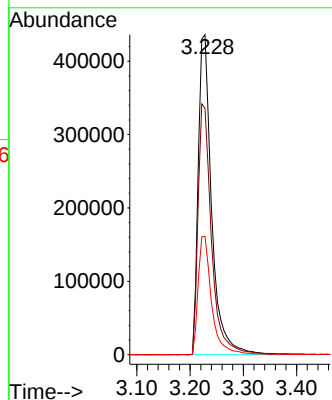
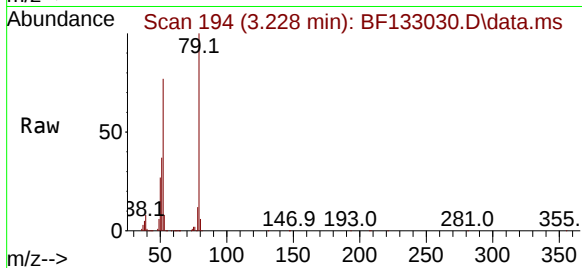




#3  
 Pyridine  
 Concen: 37.637 ng  
 RT: 3.228 min Scan# 18  
 Delta R.T. 0.100 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

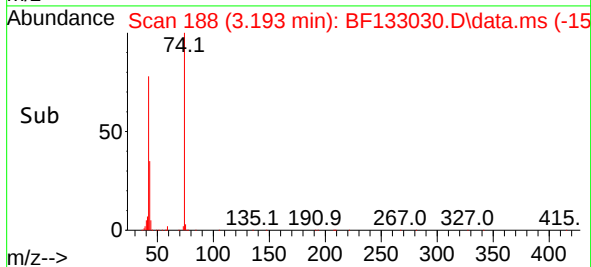
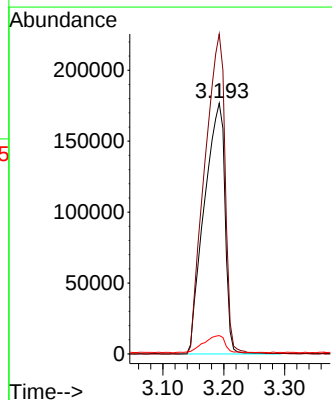
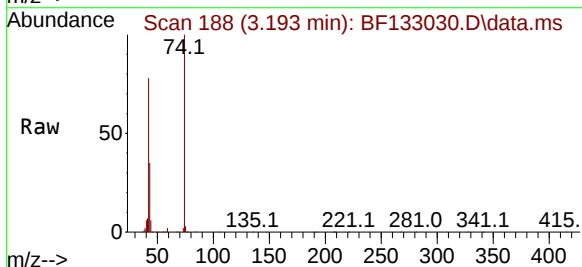
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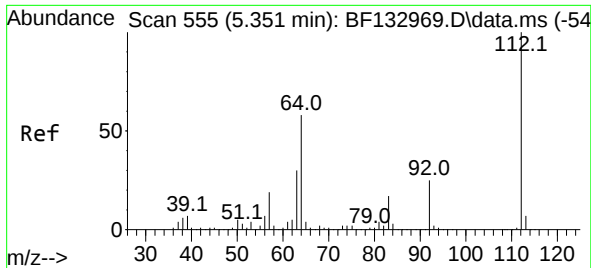
Tgt Ion: 79 Resp: 765291  
 Ion Ratio Lower Upper  
 79 100  
 52 76.9 64.6 96.8  
 51 37.0 30.0 45.0



#4  
 n-Nitrosodimethylamine  
 Concen: 39.642 ng  
 RT: 3.193 min Scan# 188  
 Delta R.T. 0.106 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

Tgt Ion: 42 Resp: 417507  
 Ion Ratio Lower Upper  
 42 100  
 74 127.6 98.0 147.0  
 44 7.3 5.8 8.8

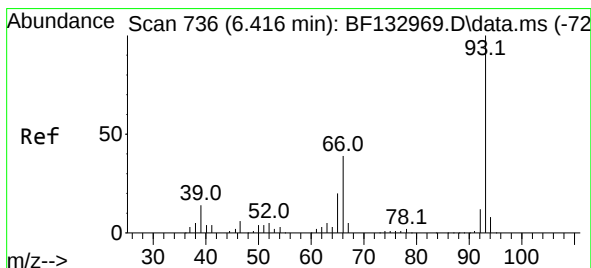
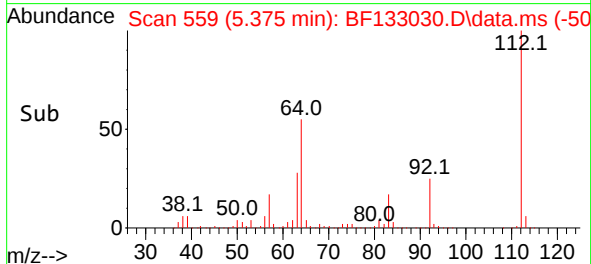
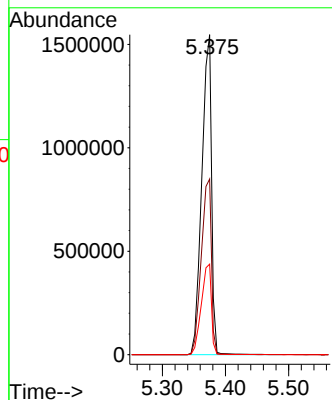
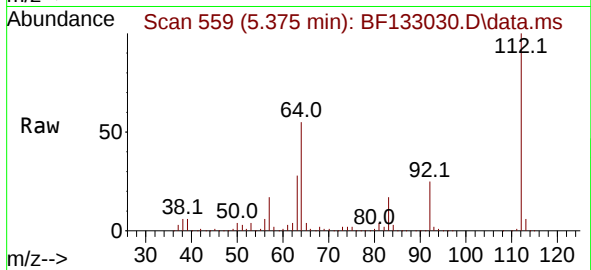




#5  
2-Fluorophenol  
Concen: 100.136 ng  
RT: 5.375 min Scan# 511  
Delta R.T. 0.023 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

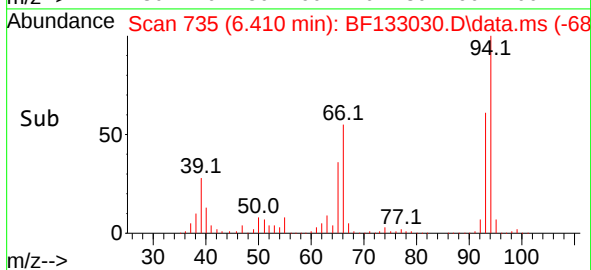
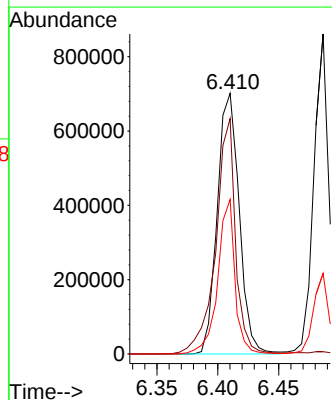
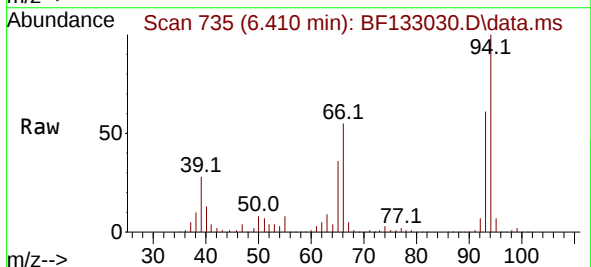
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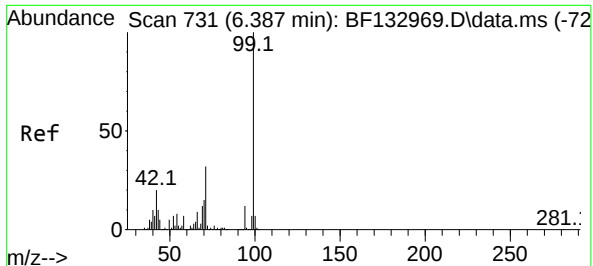
Tgt Ion:112 Resp: 1652769  
Ion Ratio Lower Upper  
112 100  
64 54.9 46.8 70.2  
63 28.3 23.8 35.8



#6  
Aniline  
Concen: 33.321 ng  
RT: 6.410 min Scan# 735  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion: 93 Resp: 879207  
Ion Ratio Lower Upper  
93 100  
66 90.3 31.5 47.3#  
65 59.3 16.4 24.6#

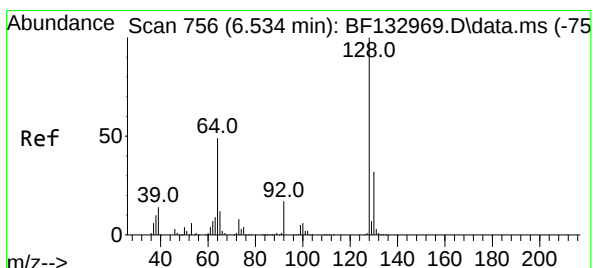
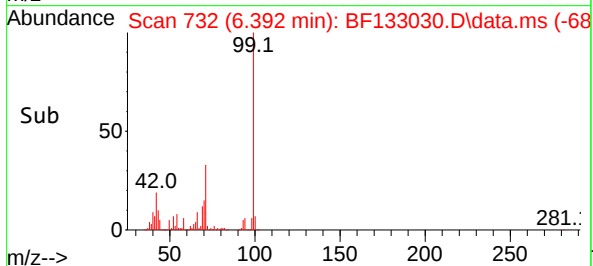
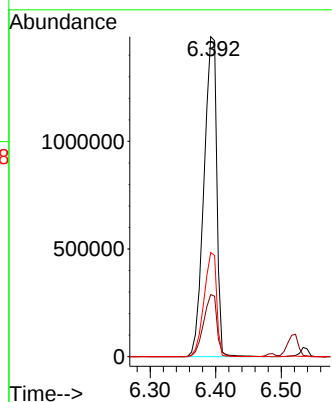
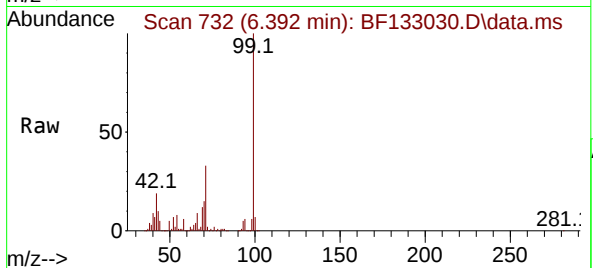




#7  
Phenol-d6  
Concen: 98.762 ng  
RT: 6.392 min Scan# 731  
Delta R.T. 0.006 min  
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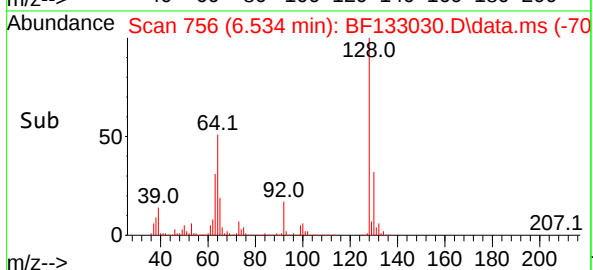
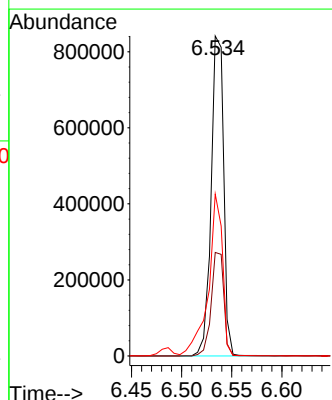
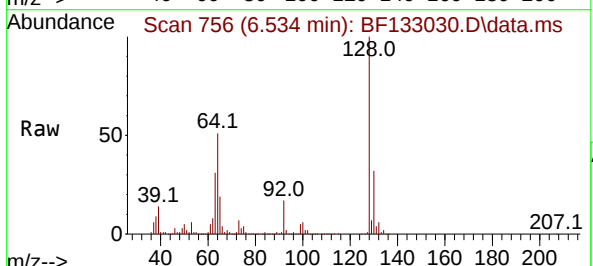
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ClientSampleId :  
PB152323BS

Tgt Ion: 99 Resp: 2023276  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.3 24.5  
71 32.6 25.6 38.4



#8  
2-Chlorophenol  
Concen: 43.858 ng  
RT: 6.534 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion: 128 Resp: 734980  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.2 52.2  
64 50.6 30.3 70.3

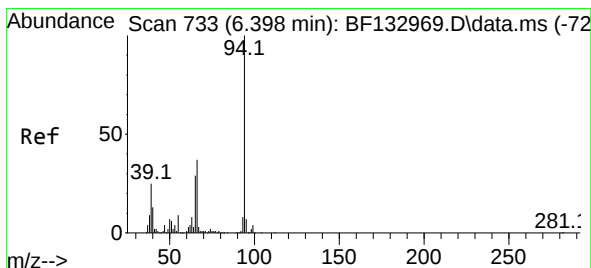
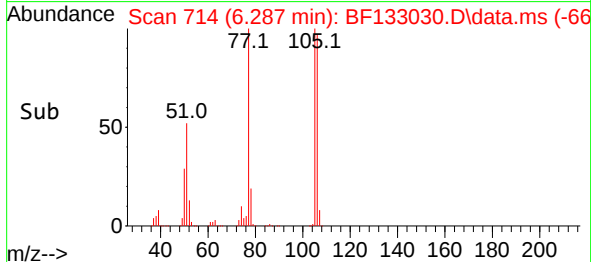
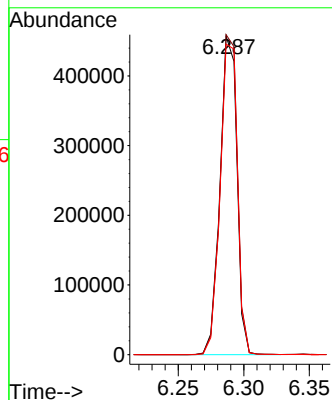
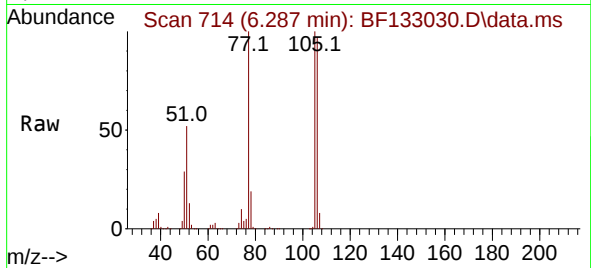




#9  
Benzaldehyde  
Concen: 45.447 ng  
RT: 6.287 min Scan# 714  
Delta R.T. -0.011 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

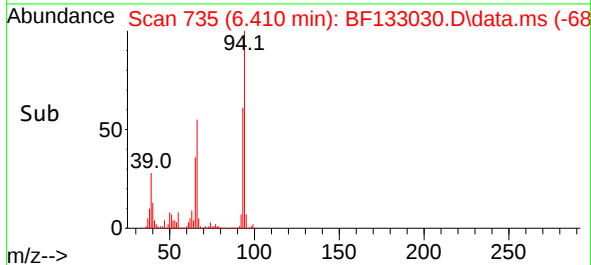
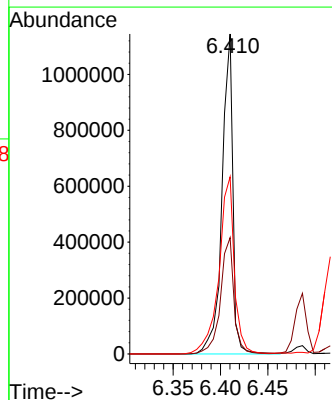
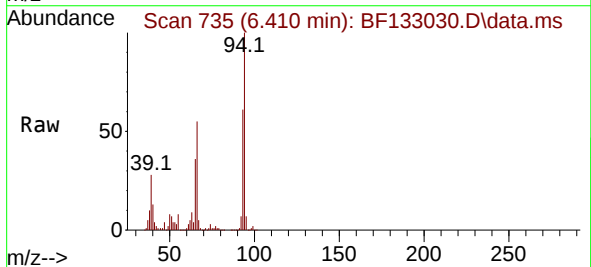
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

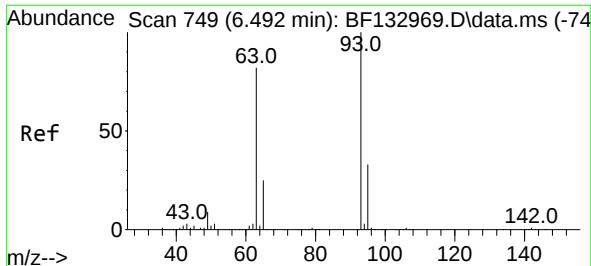
Tgt Ion: 77 Resp: 409813  
Ion Ratio Lower Upper  
77 100  
105 100.5 82.3 122.3  
106 97.5 80.8 120.8



#10  
Phenol  
Concen: 40.383 ng  
RT: 6.410 min Scan# 735  
Delta R.T. 0.012 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion: 94 Resp: 912666  
Ion Ratio Lower Upper  
94 100  
65 36.3 8.6 48.6  
66 55.3 17.3 57.3





#11

bis(2-Chloroethyl)ether

Concen: 42.803 ng

RT: 6.487 min Scan# 749

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

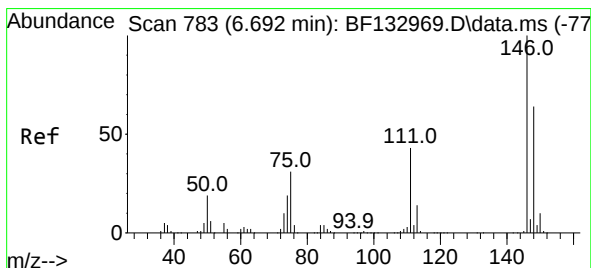
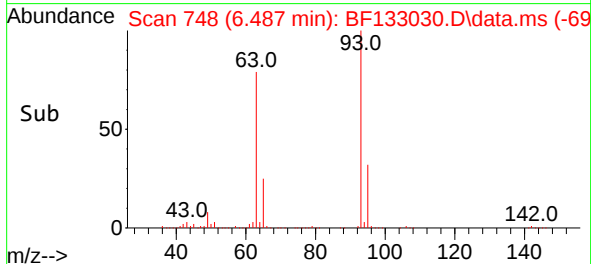
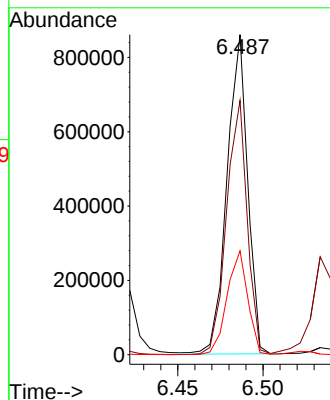
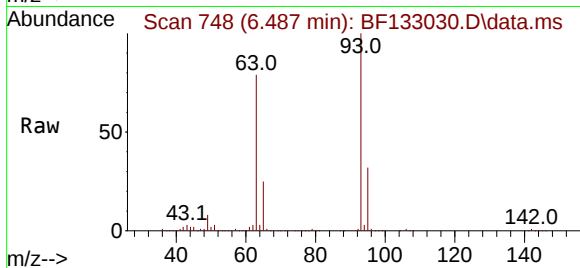
Tgt Ion: 93 Resp: 725911

Ion Ratio Lower Upper

93 100

63 79.4 60.6 100.6

95 32.5 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 44.113 ng

RT: 6.686 min Scan# 782

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

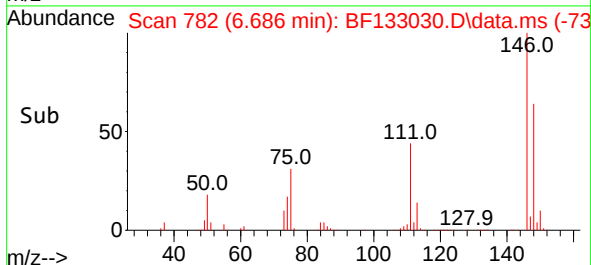
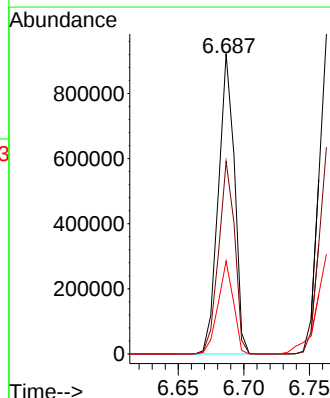
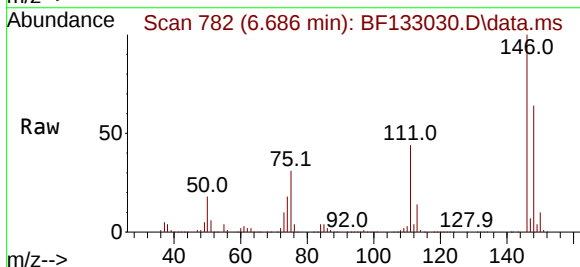
Tgt Ion:146 Resp: 785953

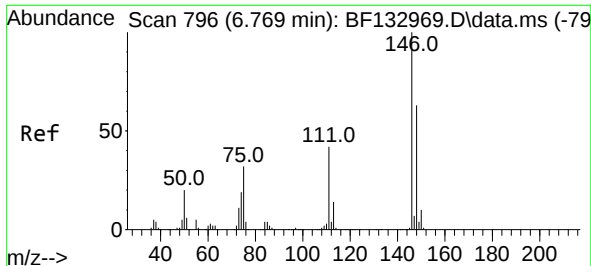
Ion Ratio Lower Upper

146 100

148 64.1 51.0 76.4

75 31.0 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 43.886 ng

RT: 6.763 min Scan# 796

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

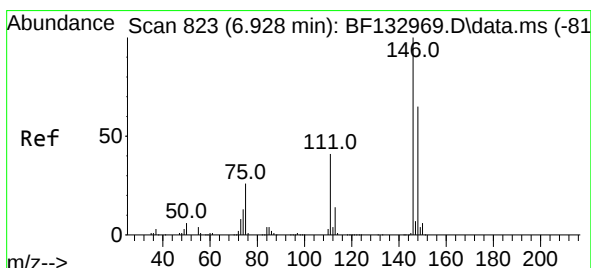
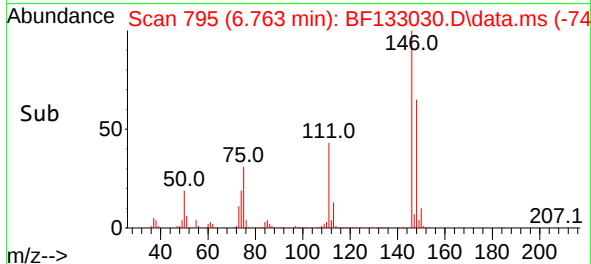
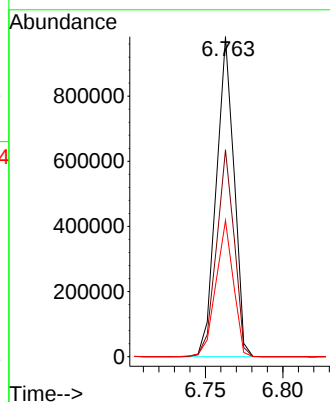
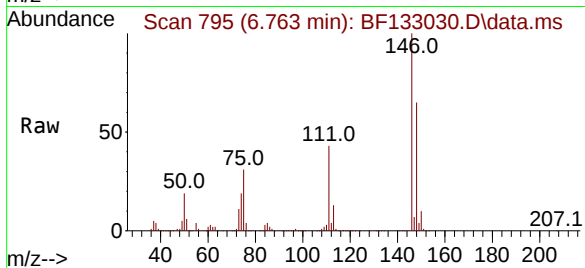
Tgt Ion:146 Resp: 783647

Ion Ratio Lower Upper

146 100

148 64.6 50.3 75.5

111 42.6 33.8 50.6



#14

1,2-Dichlorobenzene

Concen: 44.519 ng

RT: 6.916 min Scan# 821

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

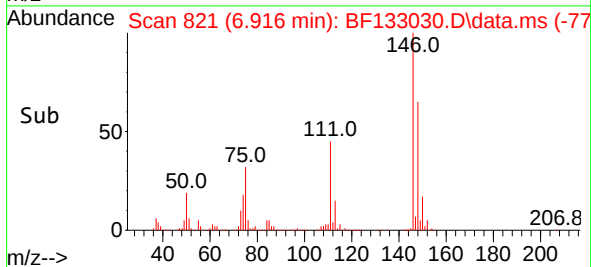
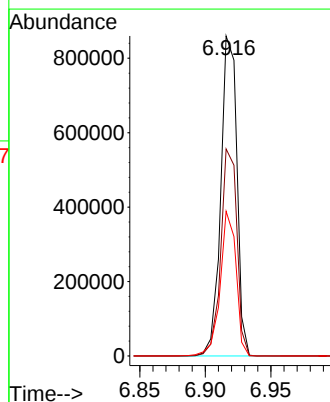
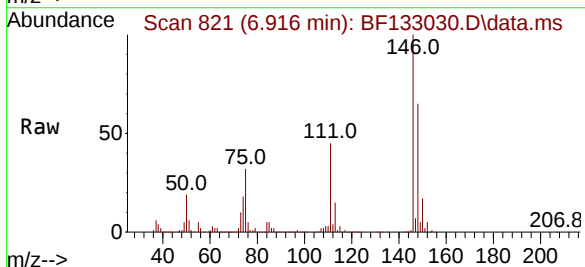
Tgt Ion:146 Resp: 732903

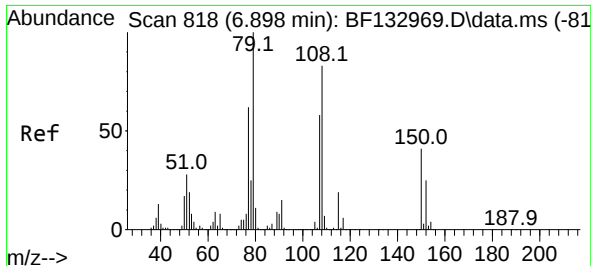
Ion Ratio Lower Upper

146 100

148 64.7 52.2 78.2

111 45.2 32.8 49.2

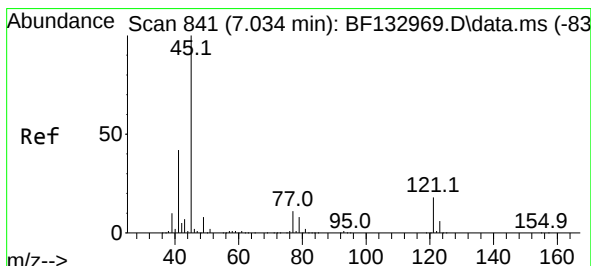
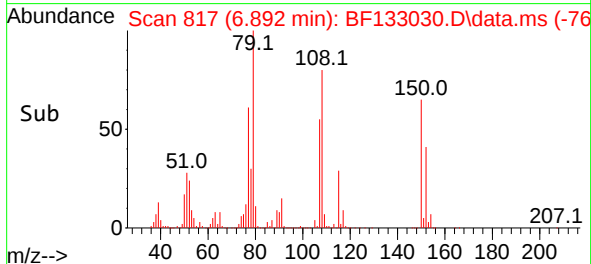
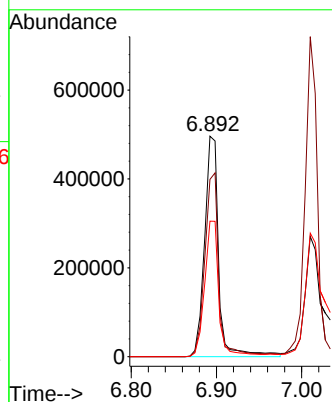
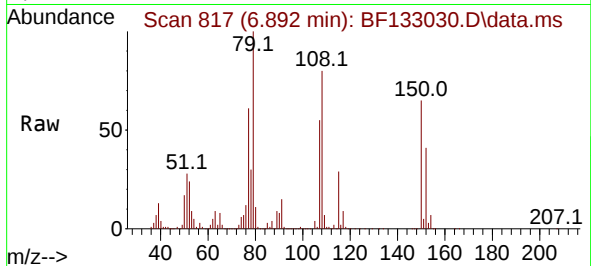




#15  
Benzyl Alcohol  
Concen: 40.353 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

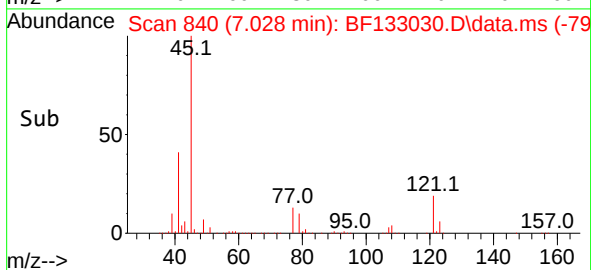
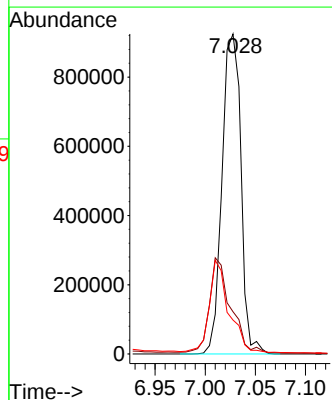
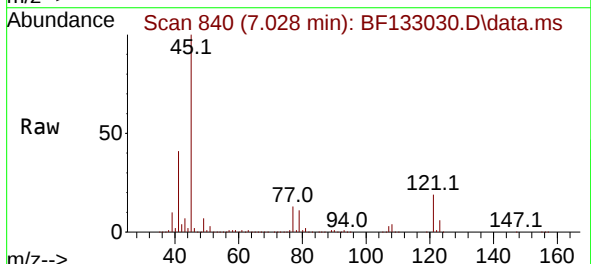
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

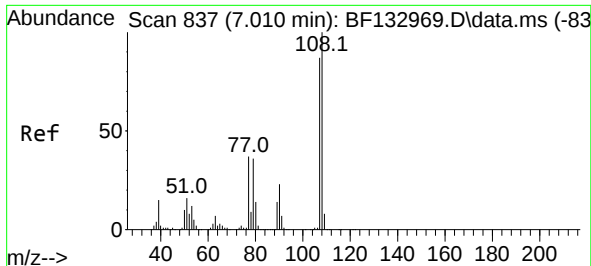
Tgt Ion: 79 Resp: 571042  
Ion Ratio Lower Upper  
79 100  
108 80.4 66.6 99.8  
77 61.5 49.2 73.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.959 ng  
RT: 7.028 min Scan# 840  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion: 45 Resp: 1206510  
Ion Ratio Lower Upper  
45 100  
77 13.2 0.0 31.5  
79 10.6 0.0 28.7

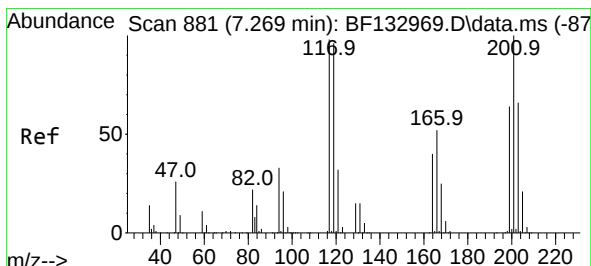
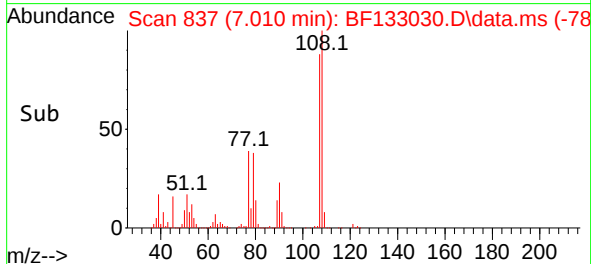
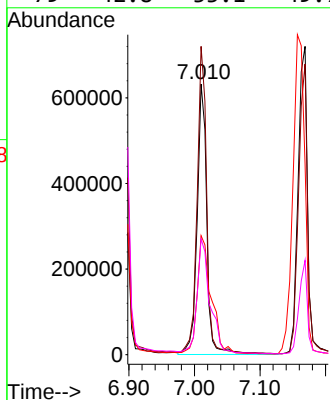
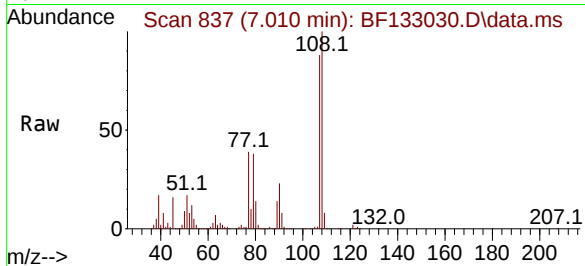




#17  
2-Methylphenol  
Concen: 42.556 ng  
RT: 7.010 min Scan# 810  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

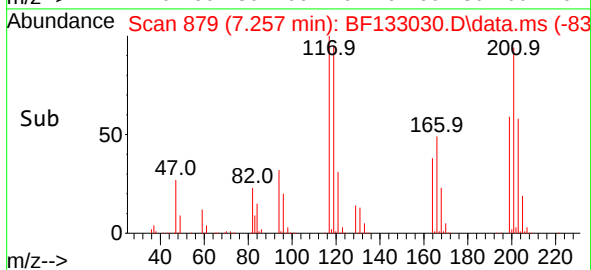
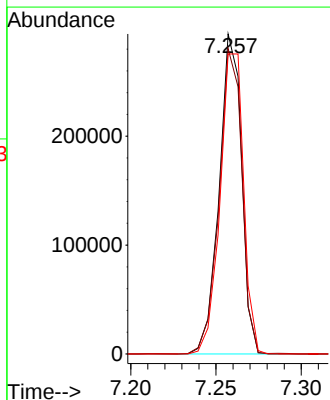
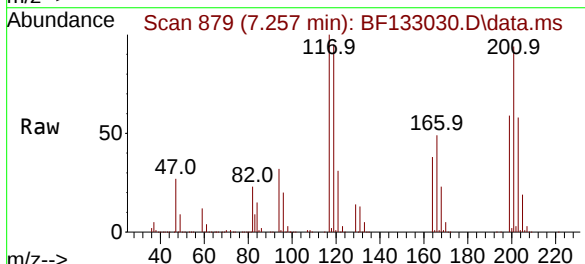
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

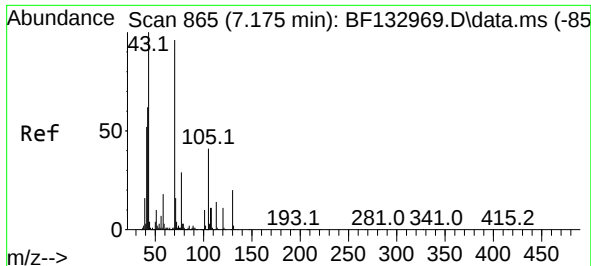
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 653026 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.9 | 92.4  | 138.6  |
| 77       | 44.0  | 33.8  | 50.8   |
| 79       | 42.8  | 33.1  | 49.7   |



#18  
Hexachloroethane  
Concen: 43.307 ng  
RT: 7.257 min Scan# 879  
Delta R.T. -0.012 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 268856 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.4  | 78.2  | 117.4  |
| 201      | 93.8  | 81.7  | 122.5  |





#19

n-Nitroso-di-n-propylamine

Concen: 39.184 ng

RT: 7.169 min Scan# 864

Delta R.T. -0.006 min

Lab File: BF133030.D

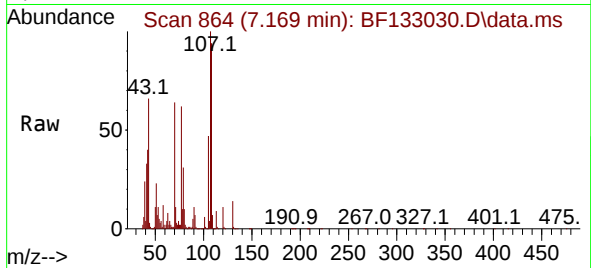
Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS



Tgt Ion: 70 Resp: 499753

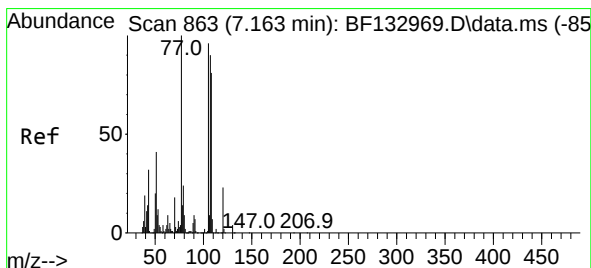
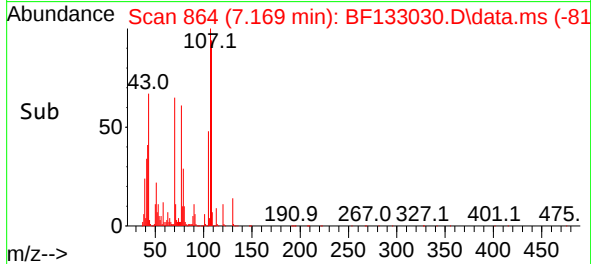
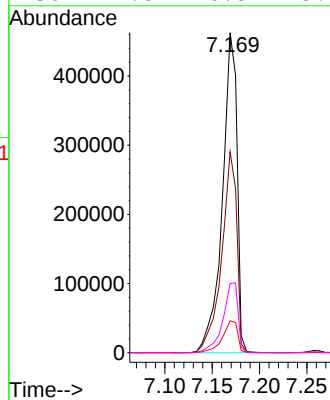
Ion Ratio Lower Upper

70 100

42 62.8 51.8 77.6

101 10.0 8.0 12.0

130 21.6 16.8 25.2



#20

3+4-Methylphenols

Concen: 40.165 ng

RT: 7.169 min Scan# 864

Delta R.T. 0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Tgt Ion: 107 Resp: 725830

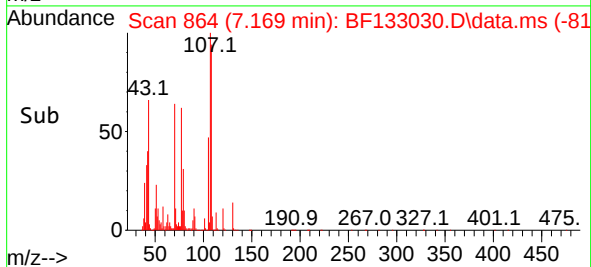
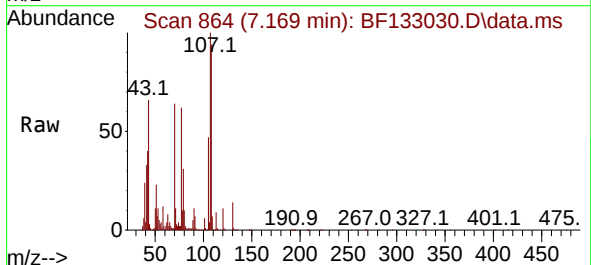
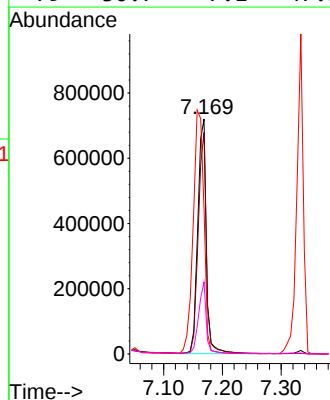
Ion Ratio Lower Upper

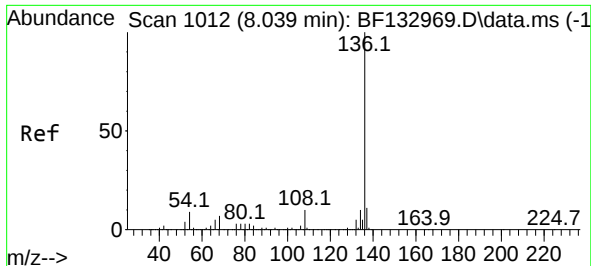
107 100

108 94.3 70.5 110.5

77 61.7 91.7 131.7

79 30.7 7.1 47.1

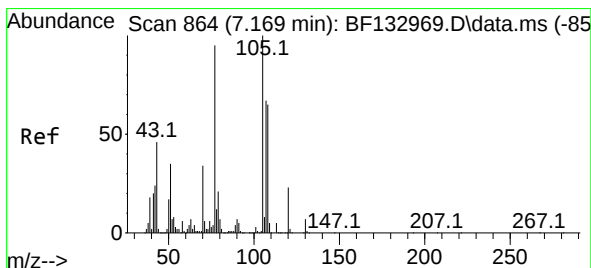
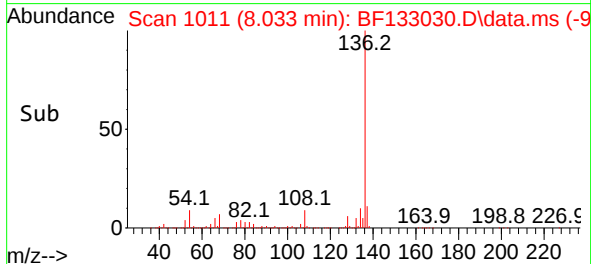
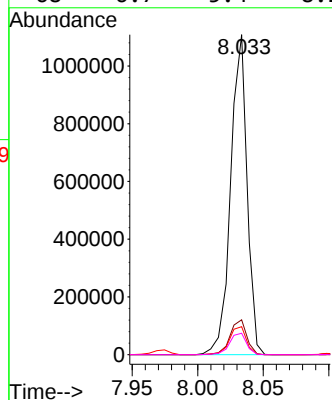
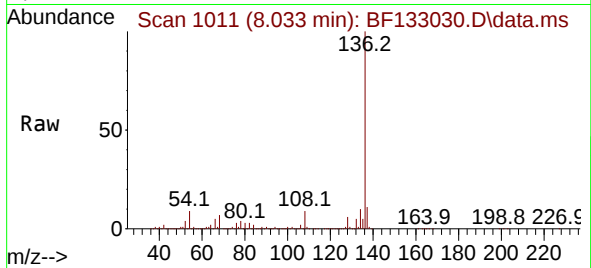




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.033 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

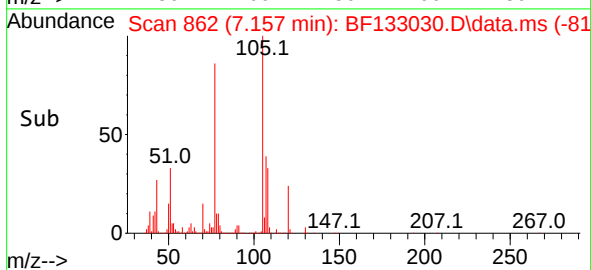
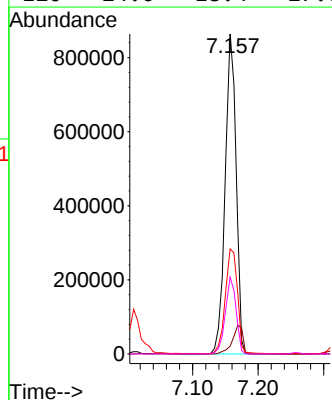
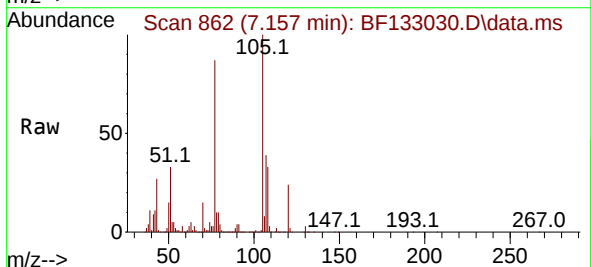
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

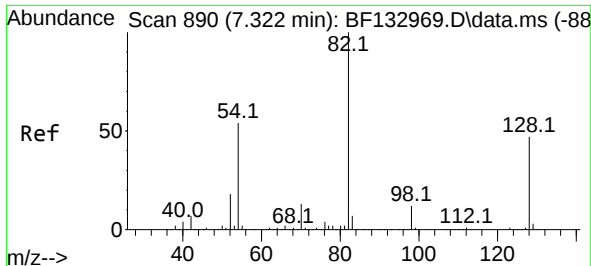
Tgt Ion:136 Resp: 963853  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 8.8 7.0 10.4  
68 6.7 5.4 8.2



#22  
Acetophenone  
Concen: 44.656 ng  
RT: 7.157 min Scan# 862  
Delta R.T. -0.012 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:105 Resp: 997046  
Ion Ratio Lower Upper  
105 100  
71 2.5 4.6 7.0#  
51 32.9 28.2 42.2  
120 24.0 18.4 27.6





#23

Nitrobenzene-d5

Concen: 67.760 ng

RT: 7.316 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

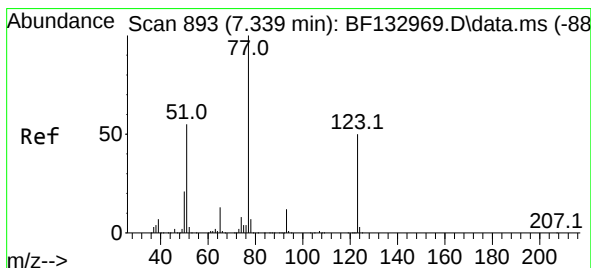
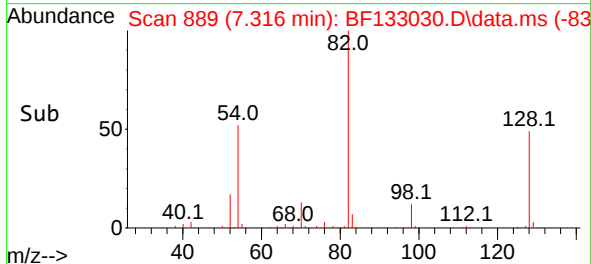
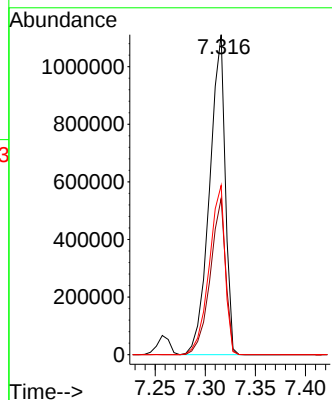
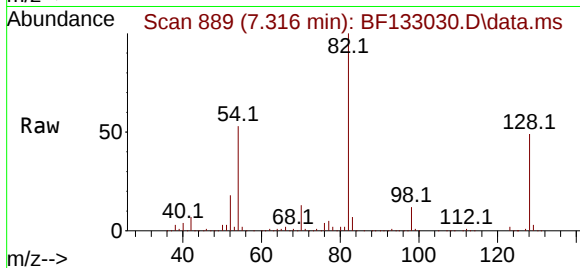
BNA\_F

ClientSampleId :

PB152323BS

Tgt Ion: 82 Resp: 1209968

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.8  | 37.7  | 56.5  |
| 54  | 52.9  | 43.0  | 64.4  |



#24

Nitrobenzene

Concen: 41.618 ng

RT: 7.334 min Scan# 892

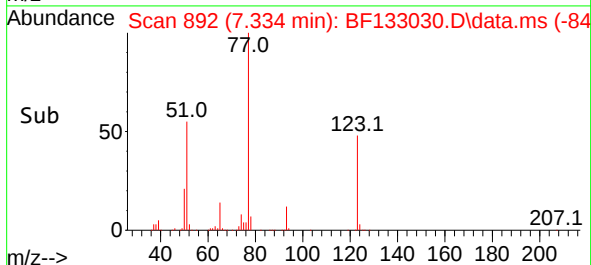
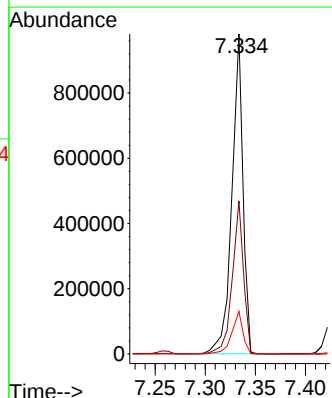
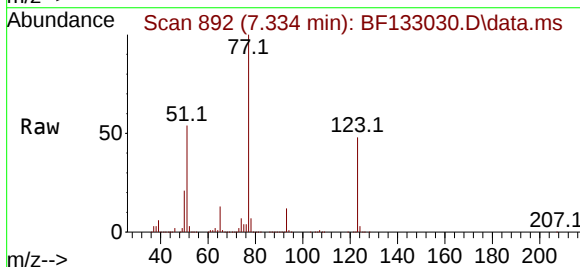
Delta R.T. -0.006 min

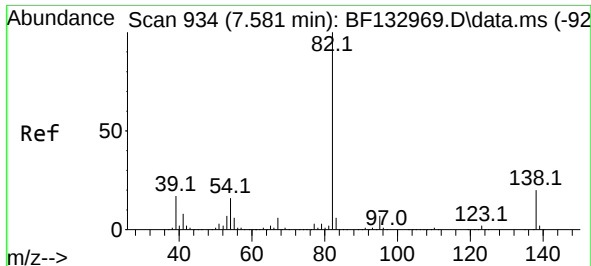
Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Tgt Ion: 77 Resp: 753058

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.9  | 39.9  | 59.9  |
| 65  | 13.3  | 10.7  | 16.1  |

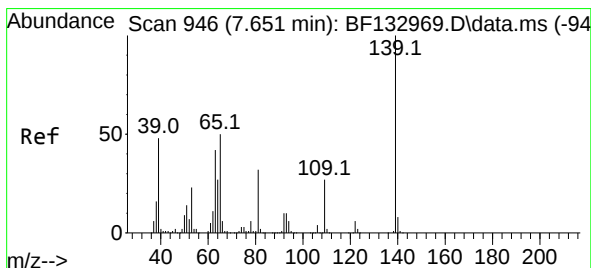
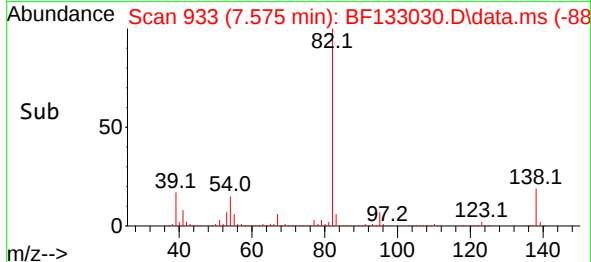
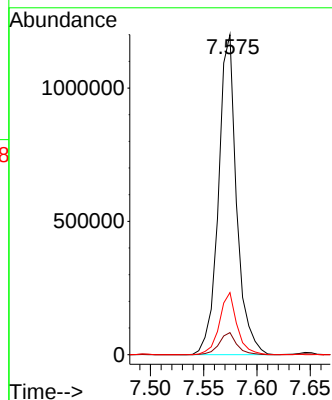
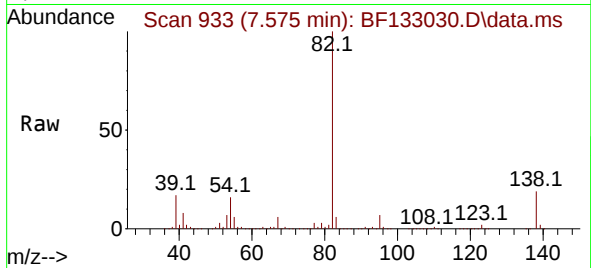




#25  
Isophorone  
Concen: 41.852 ng  
RT: 7.575 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

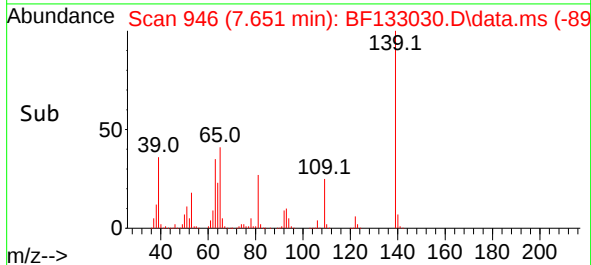
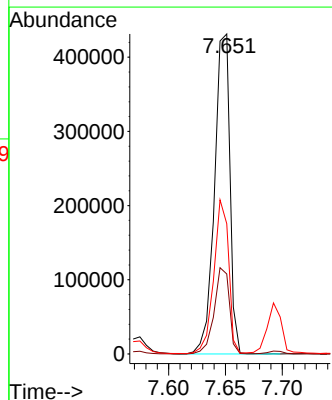
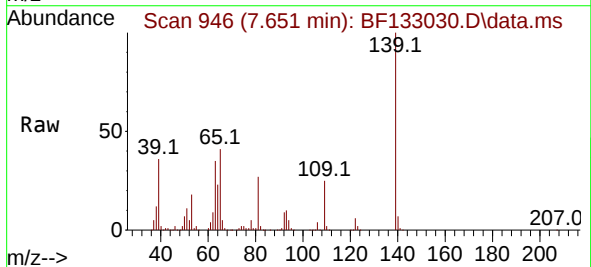
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

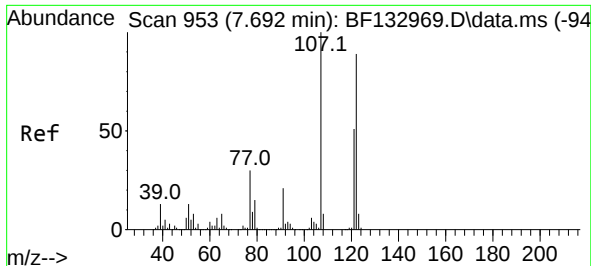
Tgt Ion: 82 Resp: 1418961  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.0  
138 19.4 16.0 24.0



#26  
2-Nitrophenol  
Concen: 46.848 ng  
RT: 7.651 min Scan# 946  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:139 Resp: 408869  
Ion Ratio Lower Upper  
139 100  
109 25.0 21.6 32.4  
65 40.7 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 44.738 ng

RT: 7.692 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF133030.D

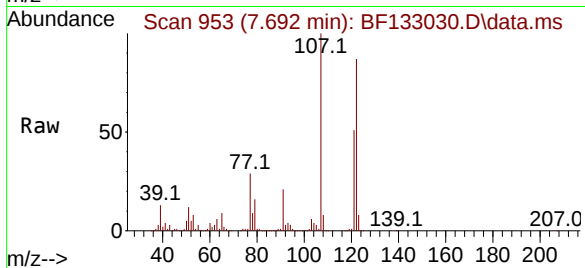
Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS



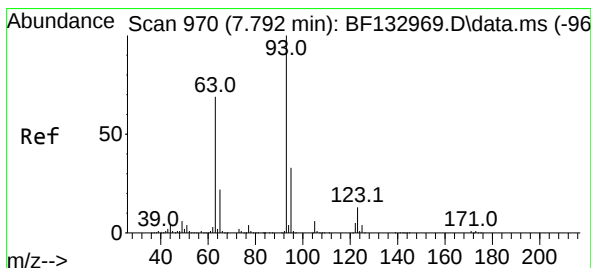
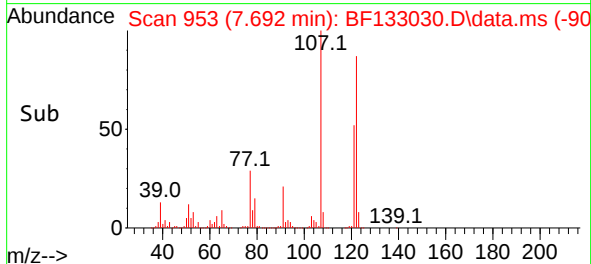
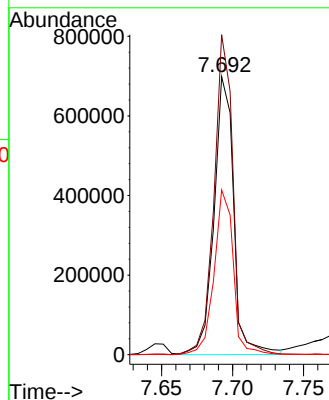
Tgt Ion:122 Resp: 669527

Ion Ratio Lower Upper

122 100

107 115.0 89.7 134.5

121 59.2 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 42.015 ng

RT: 7.786 min Scan# 969

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

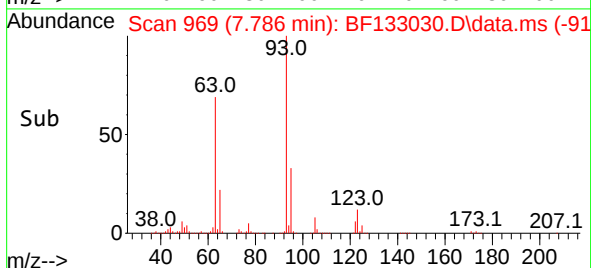
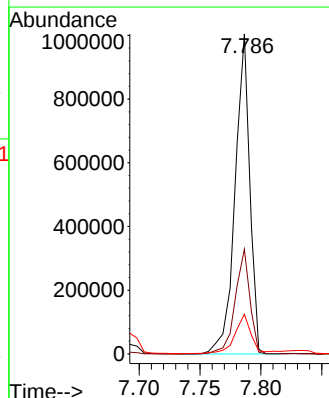
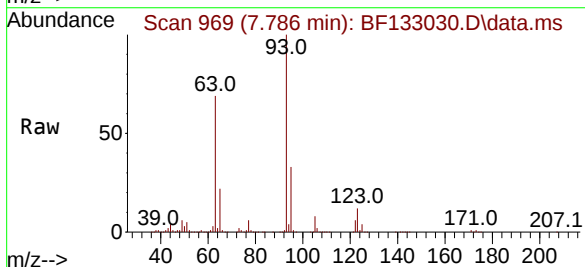
Tgt Ion: 93 Resp: 842695

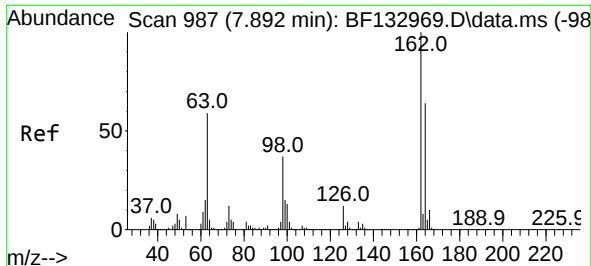
Ion Ratio Lower Upper

93 100

95 32.7 26.4 39.6

123 12.4 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 44.527 ng

RT: 7.898 min Scan# 98

Delta R.T. 0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

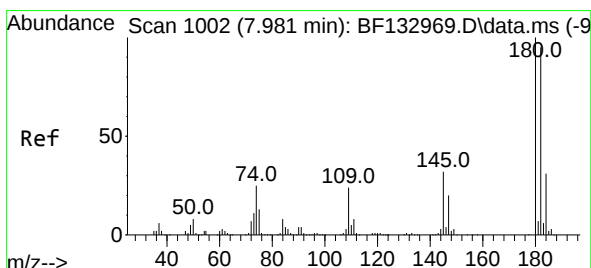
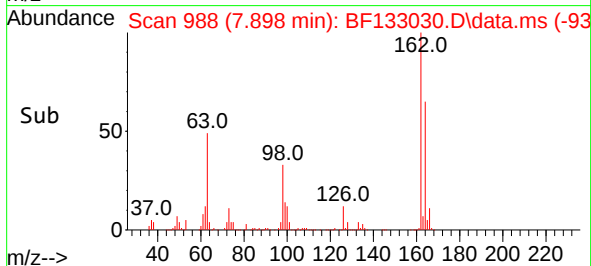
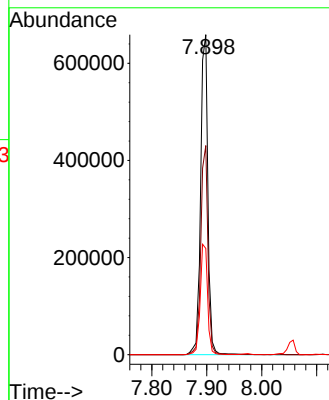
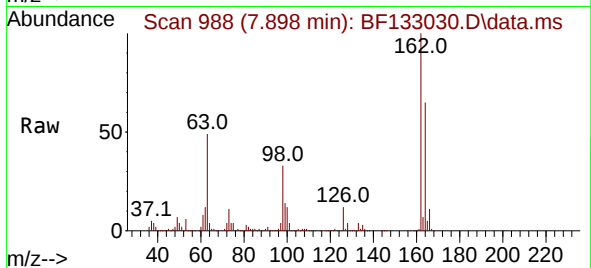
Tgt Ion:162 Resp: 606622

Ion Ratio Lower Upper

162 100

164 65.3 43.9 83.9

98 33.2 17.0 57.0



#30

1,2,4-Trichlorobenzene

Concen: 44.442 ng

RT: 7.975 min Scan# 1001

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

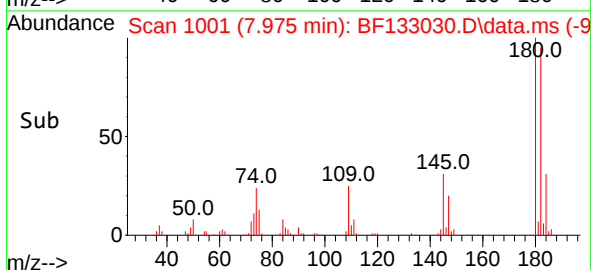
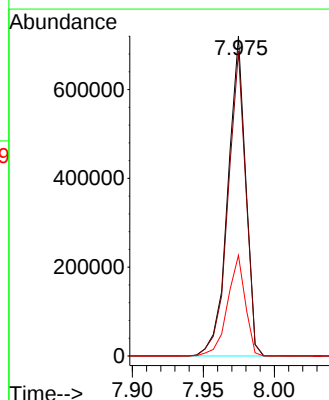
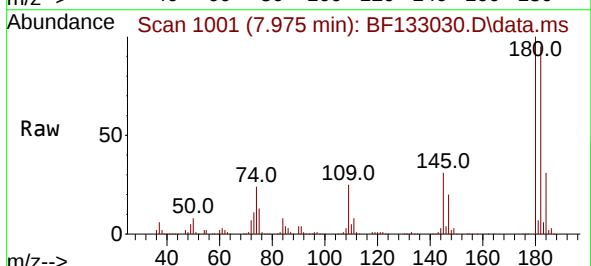
Tgt Ion:180 Resp: 627260

Ion Ratio Lower Upper

180 100

182 95.2 75.9 113.9

145 31.5 25.3 37.9

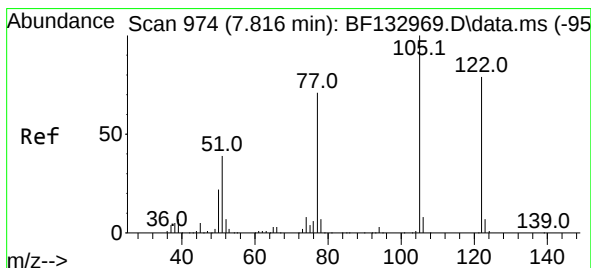
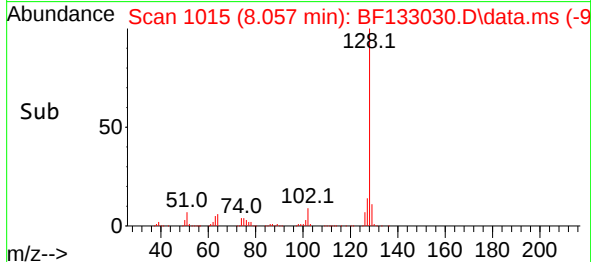
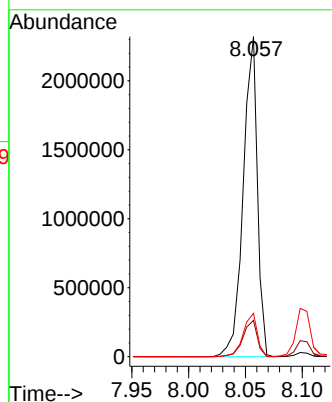
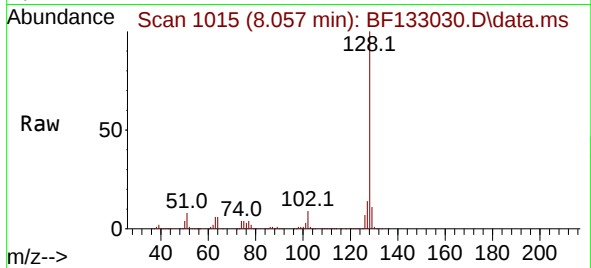




#31  
Naphthalene  
Concen: 41.756 ng  
RT: 8.057 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

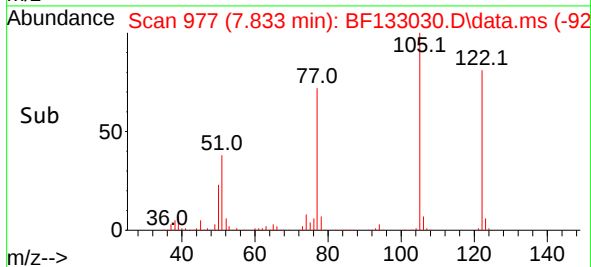
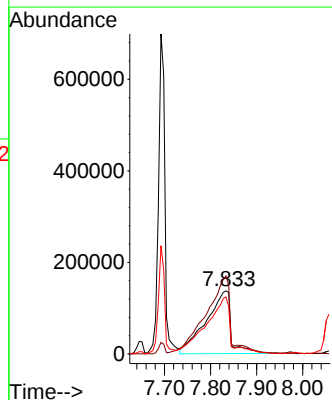
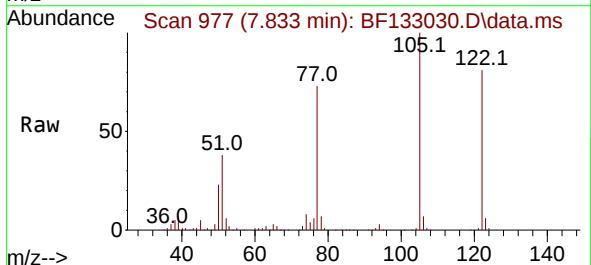
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

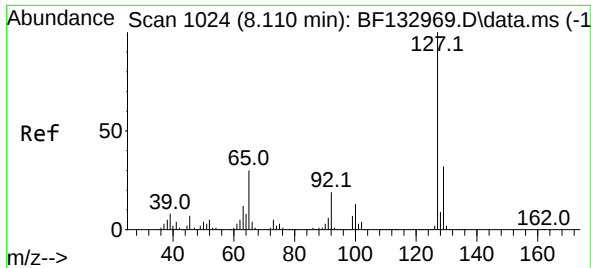
Tgt Ion:128 Resp: 2012219  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.8 13.2  
127 13.6 10.7 16.1



#32  
Benzoic acid  
Concen: 55.789 ng  
RT: 7.833 min Scan# 977  
Delta R.T. 0.017 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:122 Resp: 515718  
Ion Ratio Lower Upper  
122 100  
105 123.8 104.2 144.2  
77 90.3 69.7 109.7

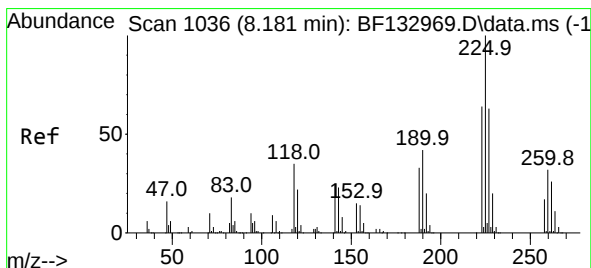
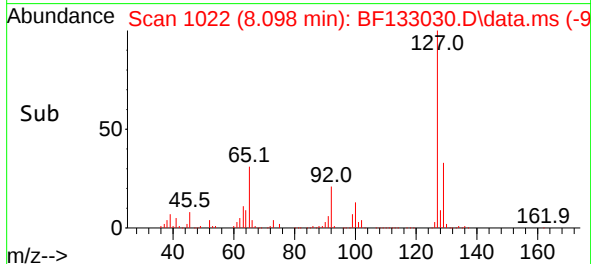
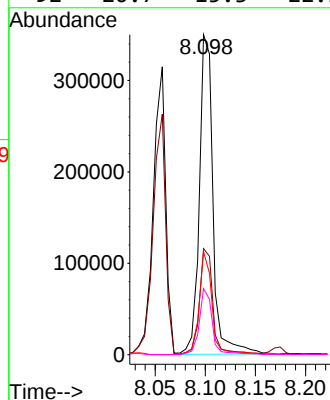
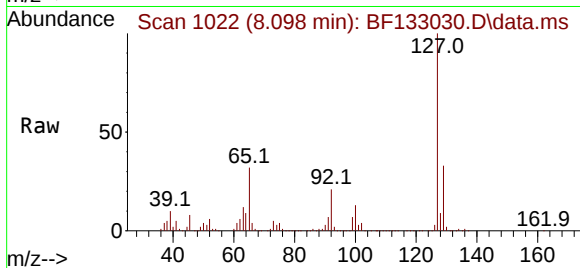




#33  
4-Chloroaniline  
Concen: 17.080 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. -0.012 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

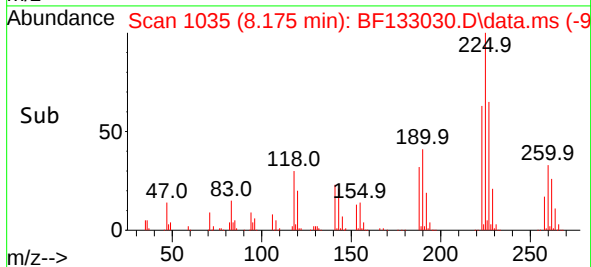
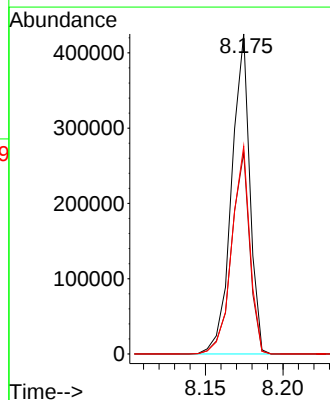
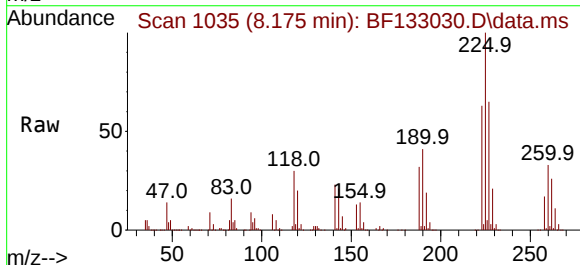
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

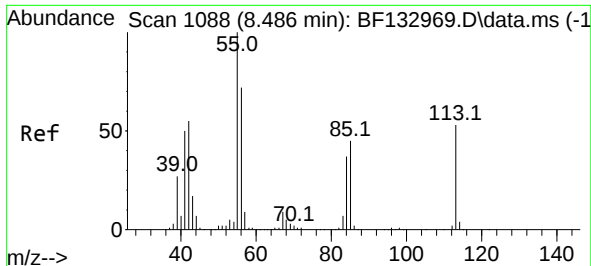
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 332556 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 33.2    | 25.8 38.8    |
| 65 32.2     | 23.6 35.4    |
| 92 20.7     | 15.3 22.9    |



#34  
Hexachlorobutadiene  
Concen: 44.264 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 346262 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 62.9    | 50.9 76.3    |
| 227 65.0    | 50.3 75.5    |

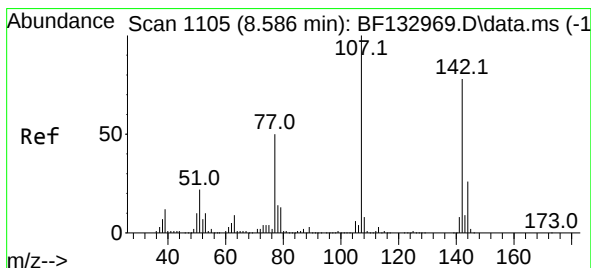
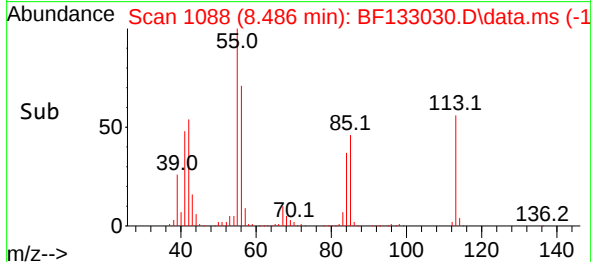
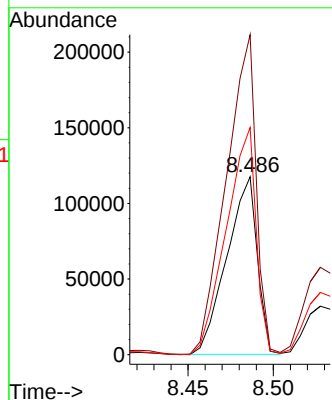
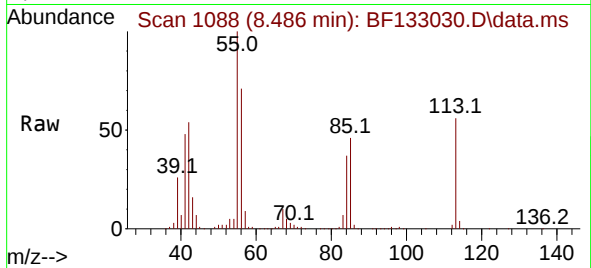




#35  
 Caprolactam  
 Concen: 31.778 ng  
 RT: 8.486 min Scan# 1108  
 Delta R.T. -0.000 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

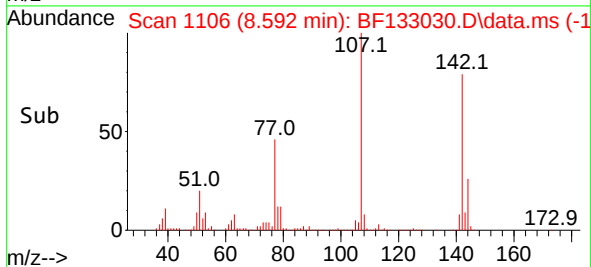
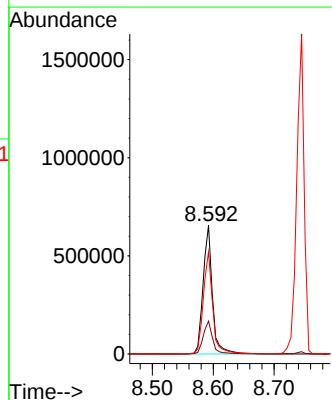
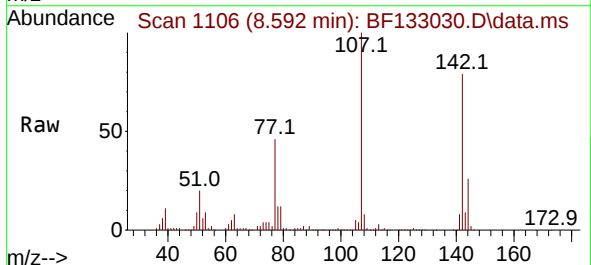
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152323BS

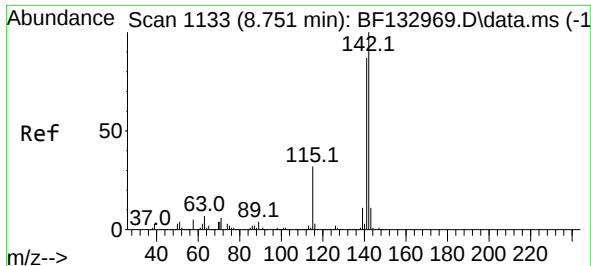
Tgt Ion:113 Resp: 145441  
 Ion Ratio Lower Upper  
 113 100  
 55 179.8 167.1 207.1  
 56 127.7 114.5 154.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 47.297 ng  
 RT: 8.592 min Scan# 1106  
 Delta R.T. 0.006 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

Tgt Ion:107 Resp: 694862  
 Ion Ratio Lower Upper  
 107 100  
 144 25.6 20.6 30.8  
 142 79.3 62.8 94.2





#37

2-Methylnaphthalene

Concen: 42.022 ng

RT: 8.745 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

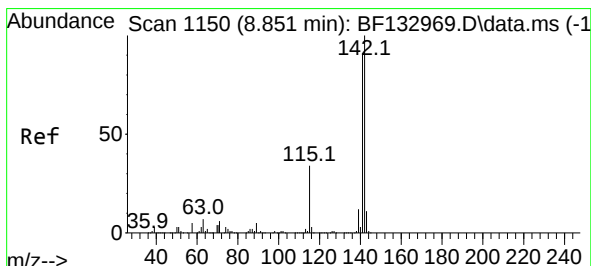
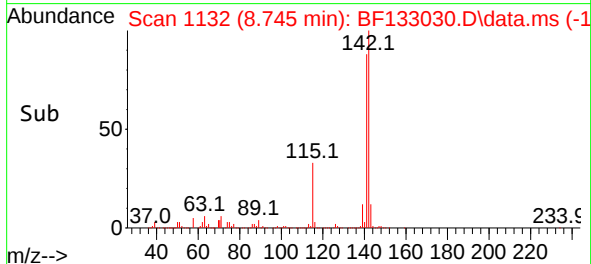
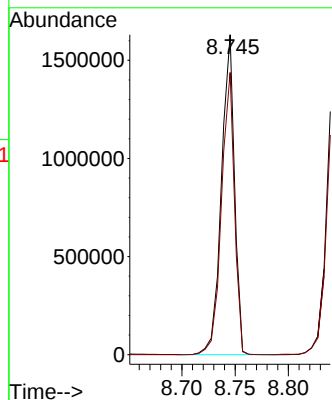
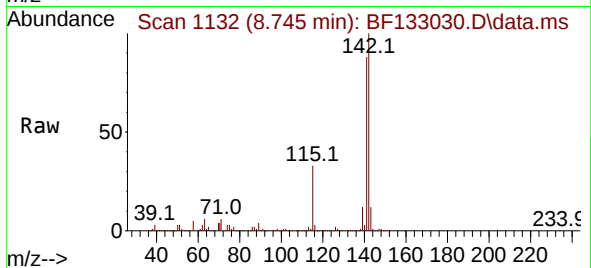
PB152323BS

Tgt Ion:142 Resp: 1384445

Ion Ratio Lower Upper

142 100

141 88.2 69.4 104.0



#38

1-Methylnaphthalene

Concen: 44.616 ng

RT: 8.845 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF133030.D

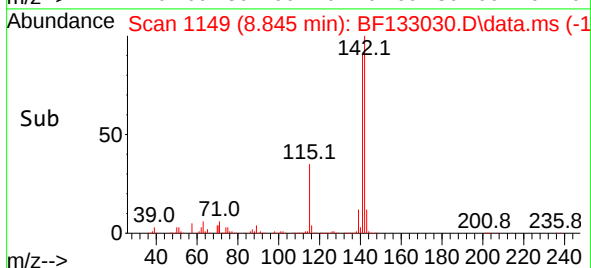
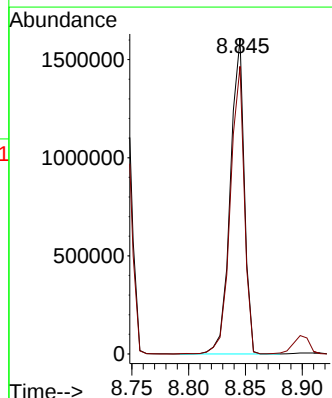
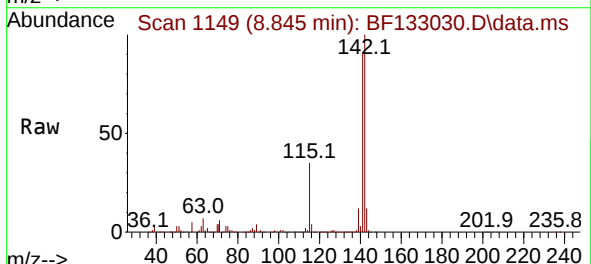
Acq: 25 Apr 2023 14:09

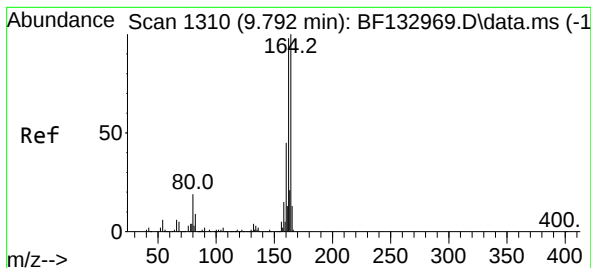
Tgt Ion:142 Resp: 1375093

Ion Ratio Lower Upper

142 100

141 91.2 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 11309

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

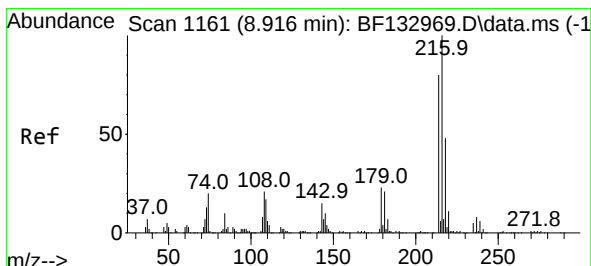
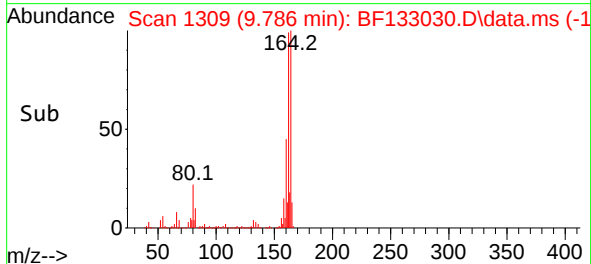
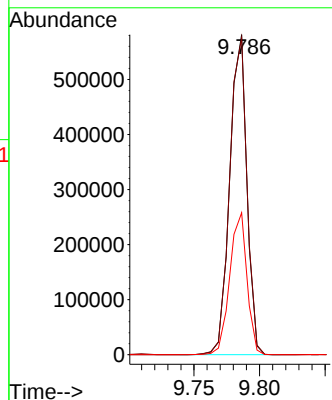
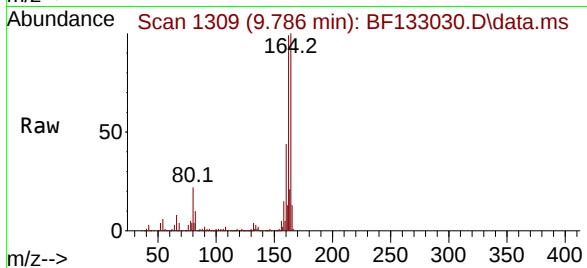
Tgt Ion:164 Resp: 526512

Ion Ratio Lower Upper

164 100

162 99.0 78.7 118.1

160 44.3 35.8 53.6



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.851 ng

RT: 8.916 min Scan# 1161

Delta R.T. -0.000 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Tgt Ion:216 Resp: 578300

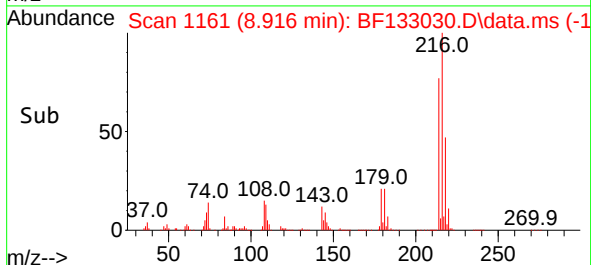
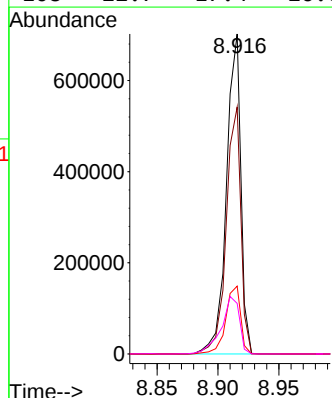
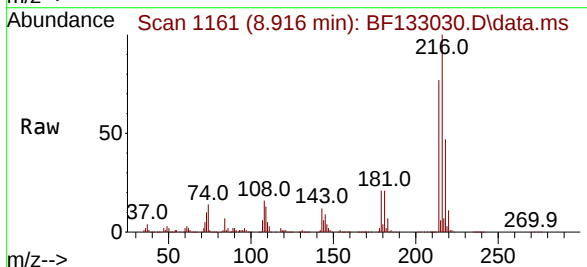
Ion Ratio Lower Upper

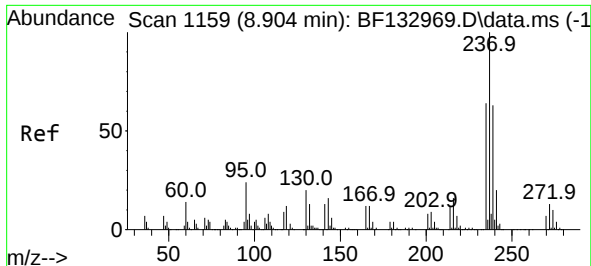
216 100

214 78.6 63.5 95.3

179 22.0 17.4 26.2

108 22.7 17.4 26.0

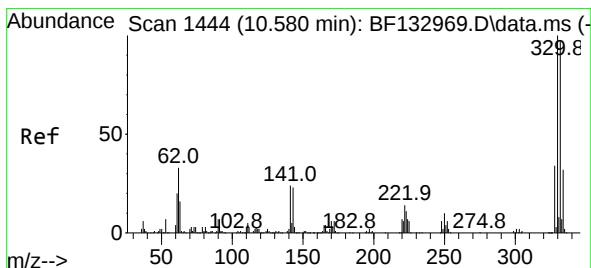
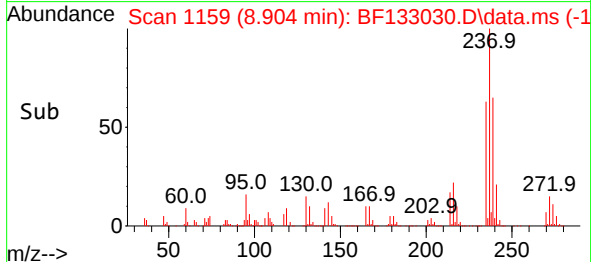
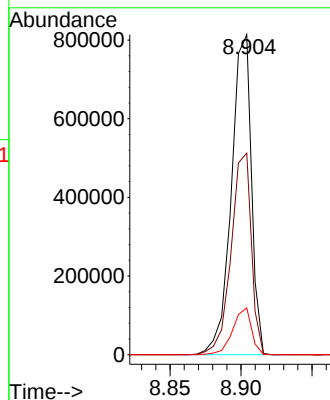
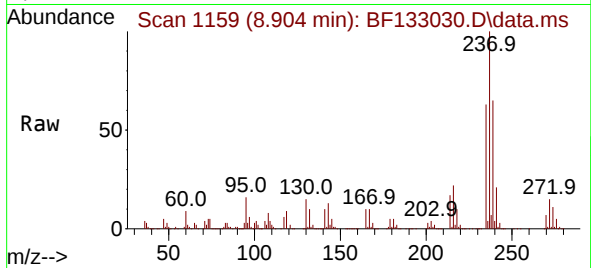




#41  
Hexachlorocyclopentadiene  
Concen: 96.659 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

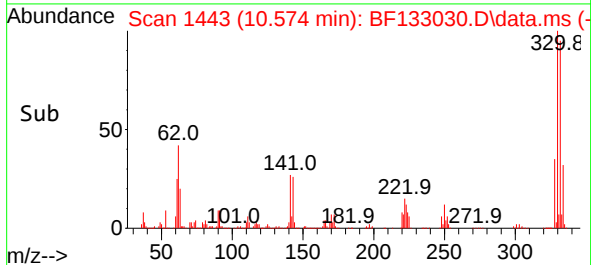
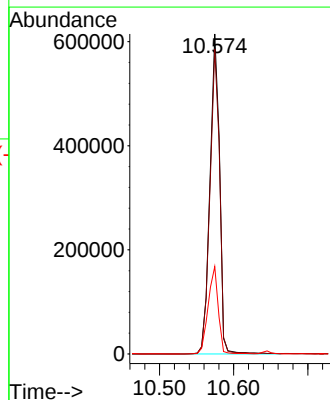
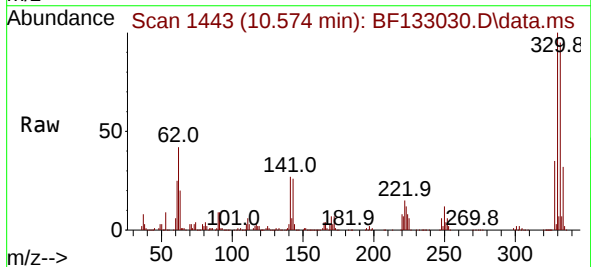
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

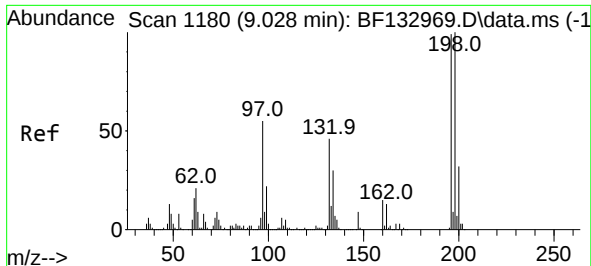
Tgt Ion:237 Resp: 798027  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.5 83.5  
272 14.6 0.0 32.7



#42  
2,4,6-Tribromophenol  
Concen: 105.035 ng  
RT: 10.574 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:330 Resp: 556170  
Ion Ratio Lower Upper  
330 100  
332 96.4 77.1 115.7  
141 28.8 25.8 38.8

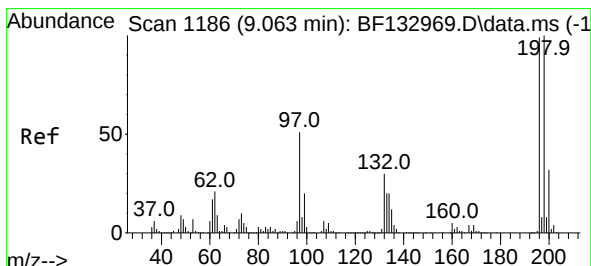
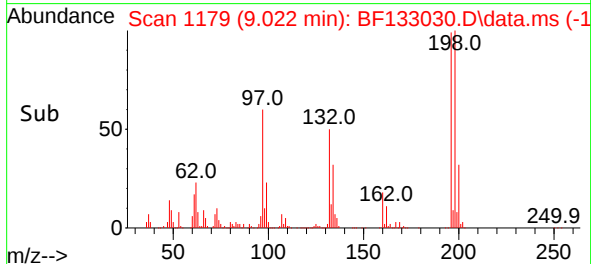
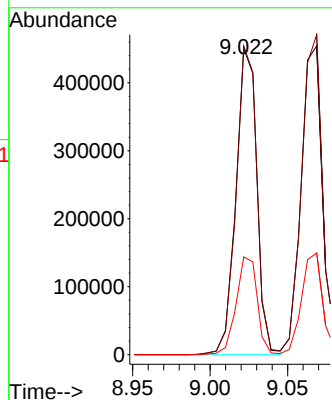
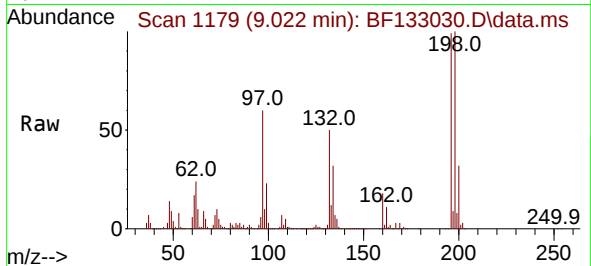




#43  
2,4,6-Trichlorophenol  
Concen: 43.102 ng  
RT: 9.022 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

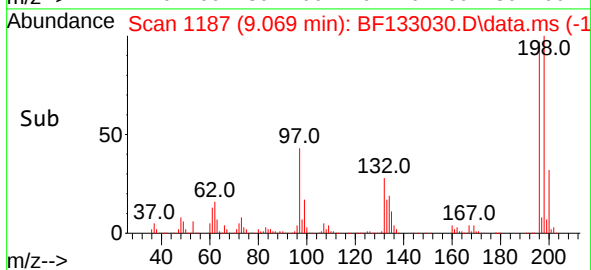
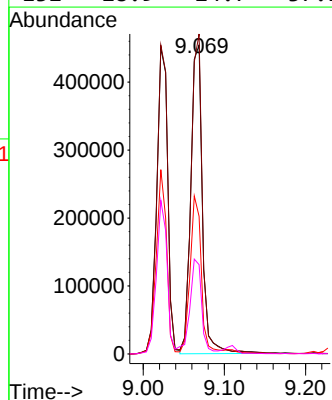
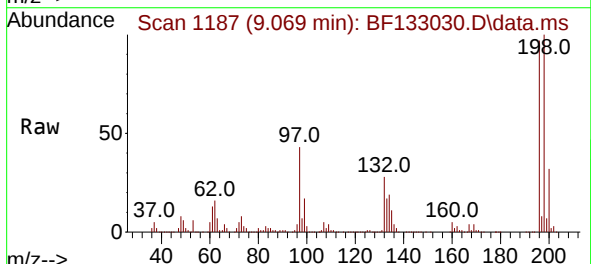
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

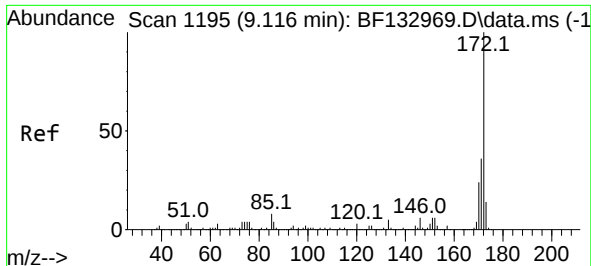
Tgt Ion:196 Resp: 421979  
Ion Ratio Lower Upper  
196 100  
198 100.8 81.0 121.6  
200 32.0 26.1 39.1



#44  
2,4,5-Trichlorophenol  
Concen: 40.198 ng  
RT: 9.069 min Scan# 1187  
Delta R.T. 0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:196 Resp: 455141  
Ion Ratio Lower Upper  
196 100  
198 103.6 80.9 121.3  
97 44.6 41.3 61.9  
132 28.9 24.7 37.1

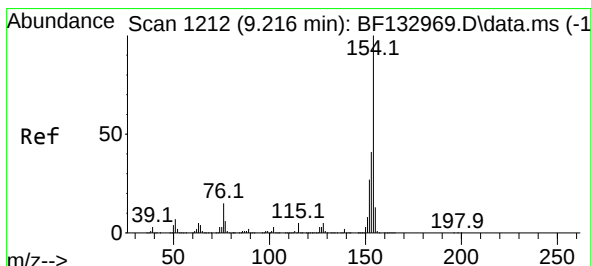
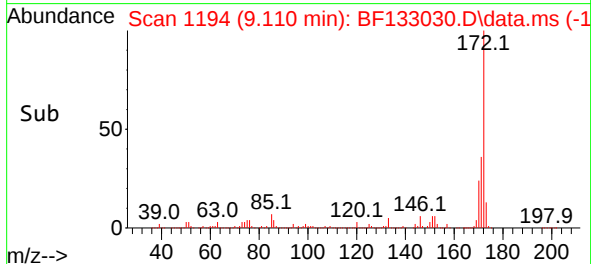
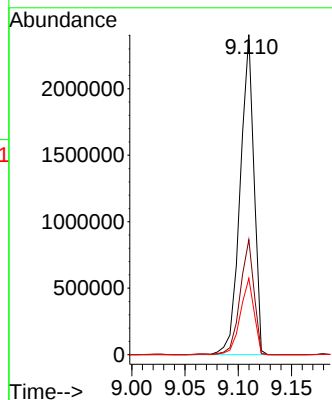
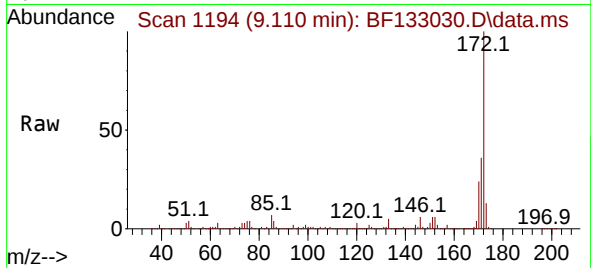




#45  
2-Fluorobiphenyl  
Concen: 68.948 ng  
RT: 9.110 min Scan# 1195  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

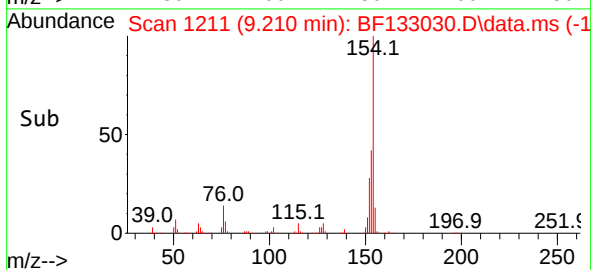
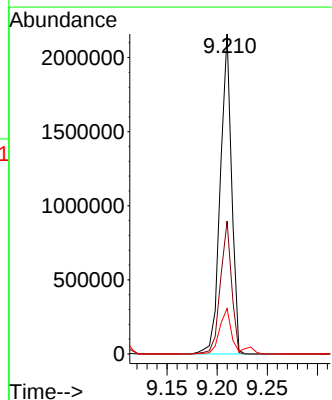
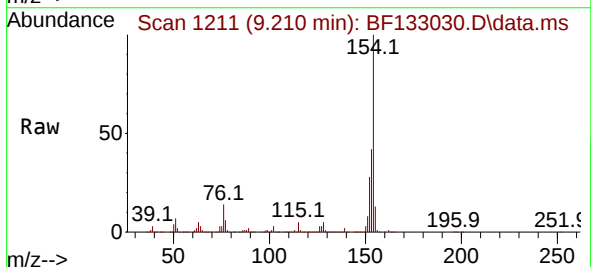
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

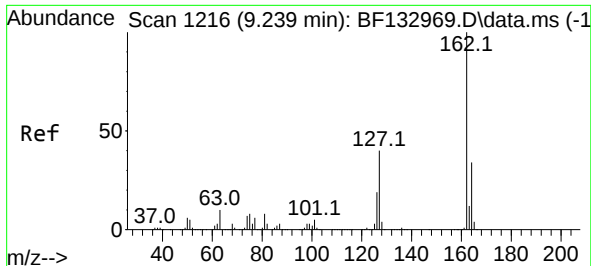
Tgt Ion:172 Resp: 2169863  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.8 43.2  
170 23.9 19.4 29.2



#46  
1,1'-Biphenyl  
Concen: 40.409 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:154 Resp: 1687064  
Ion Ratio Lower Upper  
154 100  
153 41.5 21.0 61.0  
76 14.2 0.0 34.5





#47

2-Chloronaphthalene

Concen: 42.034 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

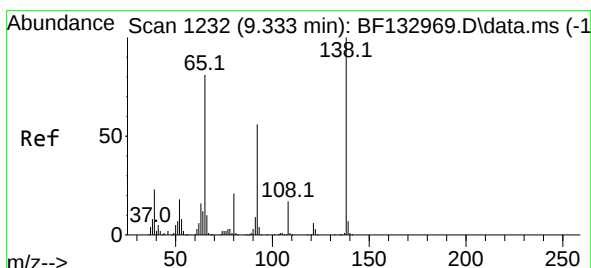
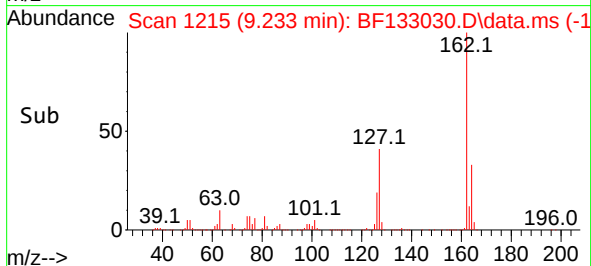
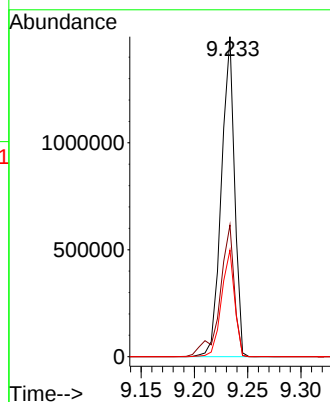
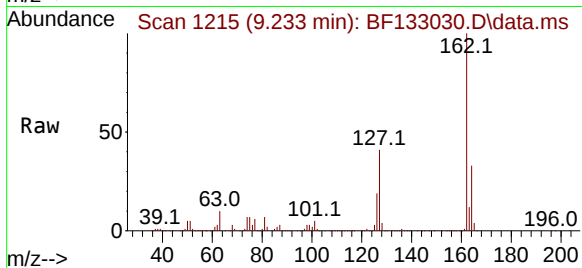
Tgt Ion:162 Resp: 1284490

Ion Ratio Lower Upper

162 100

127 41.1 32.3 48.5

164 33.3 26.8 40.2



#48

2-Nitroaniline

Concen: 40.949 ng

RT: 9.328 min Scan# 1231

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

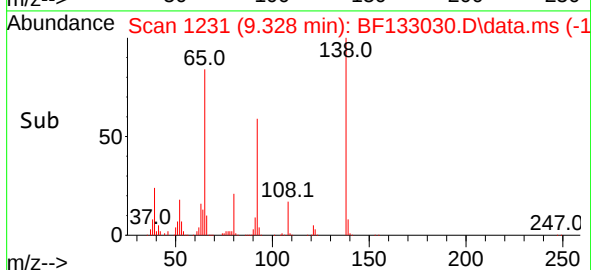
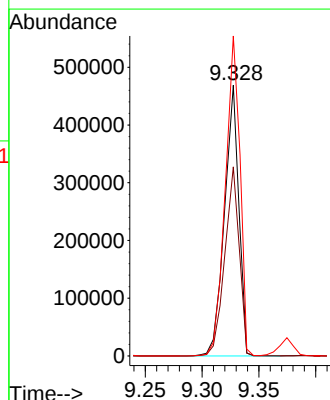
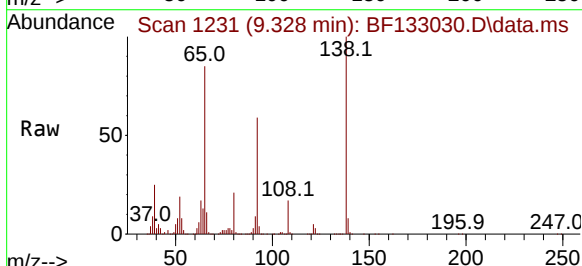
Tgt Ion: 65 Resp: 413564

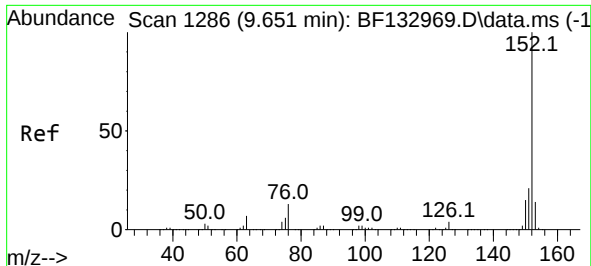
Ion Ratio Lower Upper

65 100

92 69.9 55.4 83.0

138 118.2 98.2 147.2





#49

Acenaphthylene

Concen: 40.913 ng

RT: 9.645 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

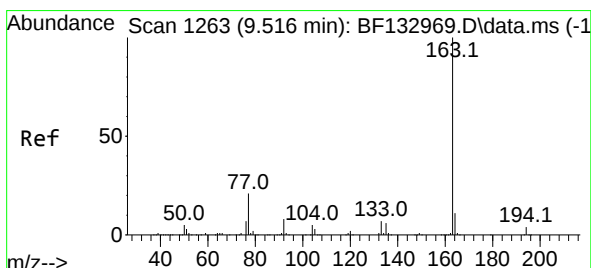
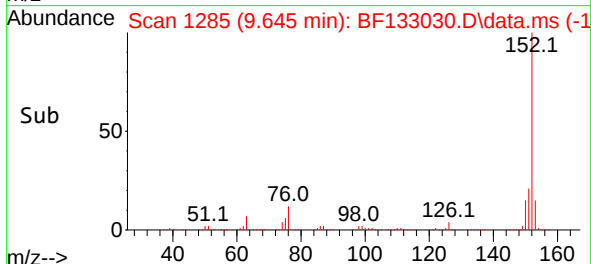
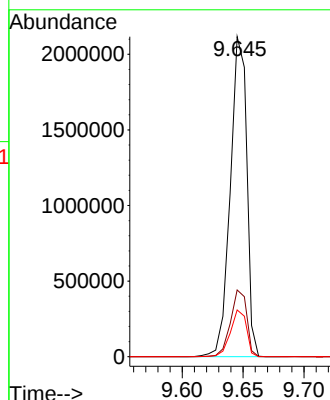
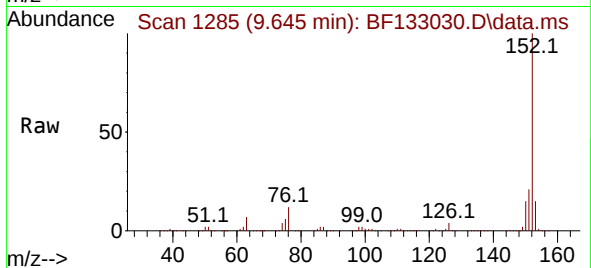
Tgt Ion:152 Resp: 1997660

Ion Ratio Lower Upper

152 100

151 20.8 16.6 24.8

153 14.6 11.5 17.3



#50

Dimethylphthalate

Concen: 41.106 ng

RT: 9.516 min Scan# 1263

Delta R.T. -0.000 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

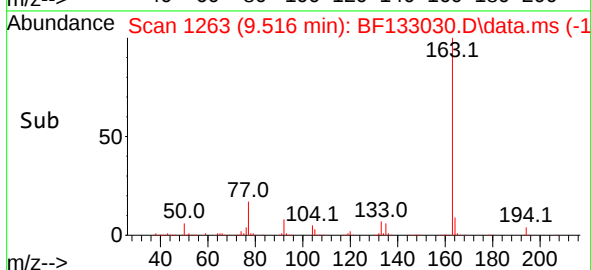
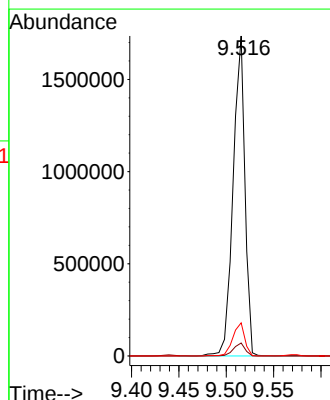
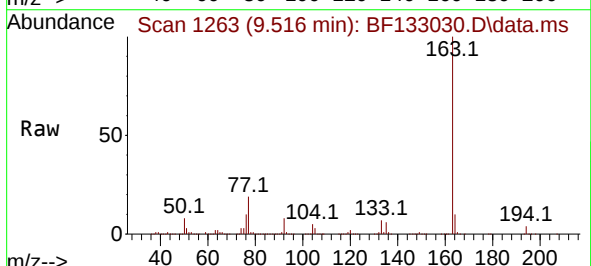
Tgt Ion:163 Resp: 1509115

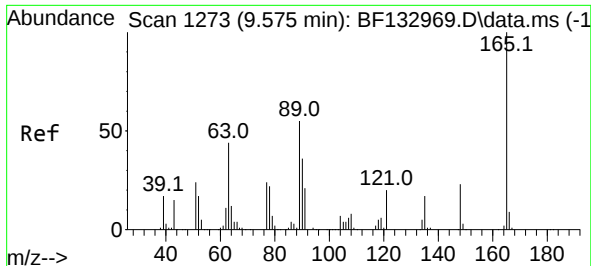
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.4 8.5 12.7

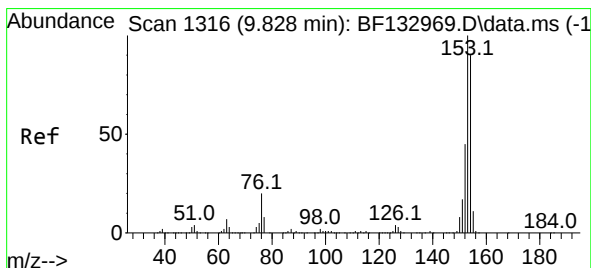
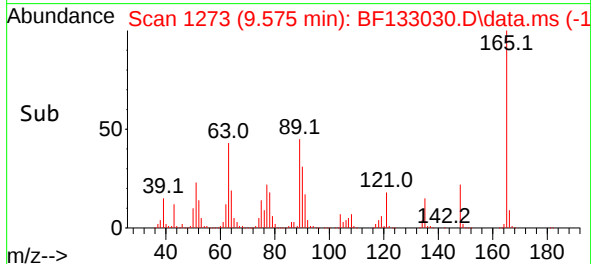
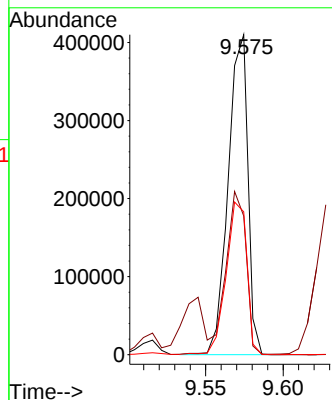
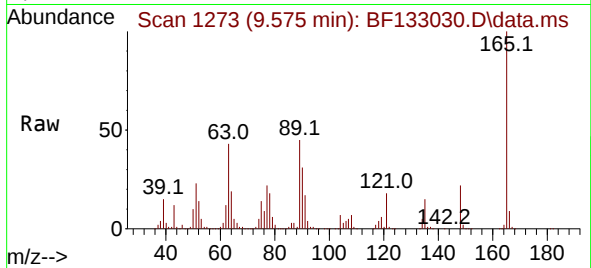




#51  
2,6-Dinitrotoluene  
Concen: 43.881 ng  
RT: 9.575 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

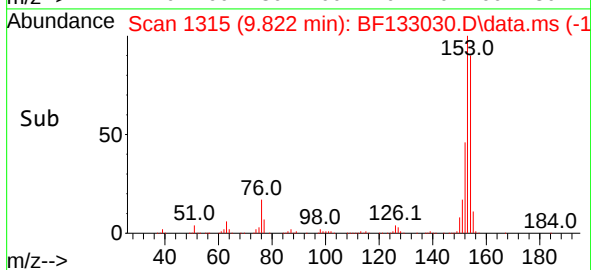
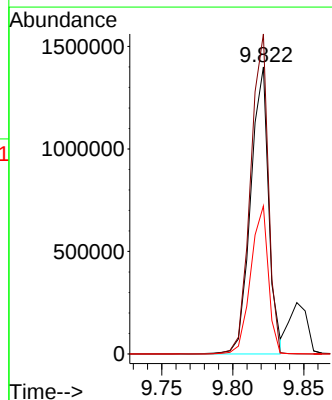
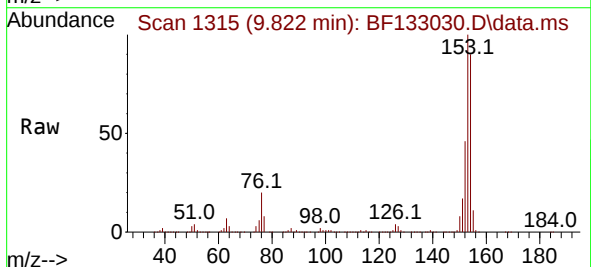
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

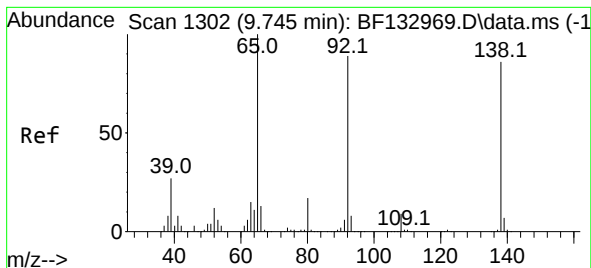
Tgt Ion:165 Resp: 362590  
Ion Ratio Lower Upper  
165 100  
63 43.3 45.9 68.9#  
89 44.7 44.0 66.0



#52  
Acenaphthene  
Concen: 37.810 ng  
RT: 9.822 min Scan# 1315  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:154 Resp: 1236476  
Ion Ratio Lower Upper  
154 100  
153 111.5 89.0 133.6  
152 51.5 40.4 60.6





#53

3-Nitroaniline

Concen: 28.670 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

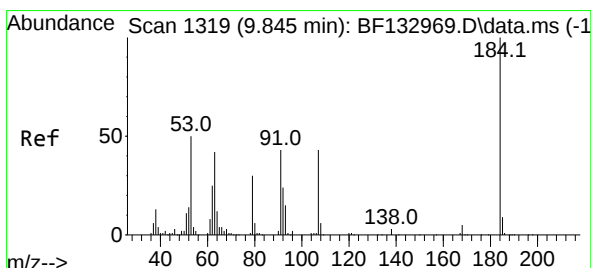
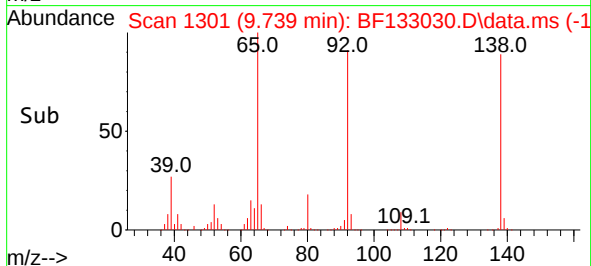
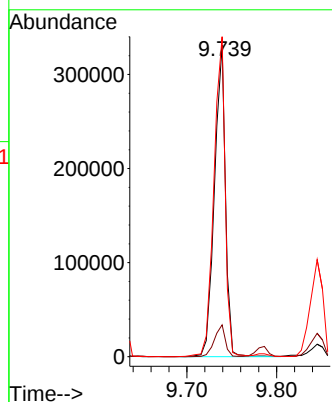
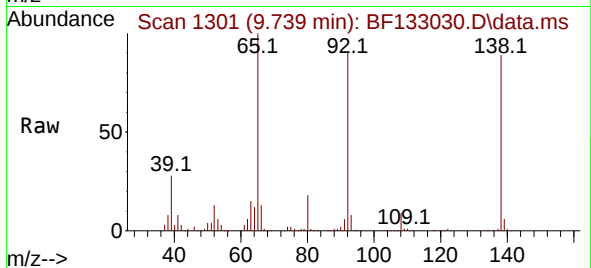
Tgt Ion:138 Resp: 281683

Ion Ratio Lower Upper

138 100

108 10.2 8.0 12.0

92 102.7 83.6 125.4



#54

2,4-Dinitrophenol

Concen: 104.124 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.000 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

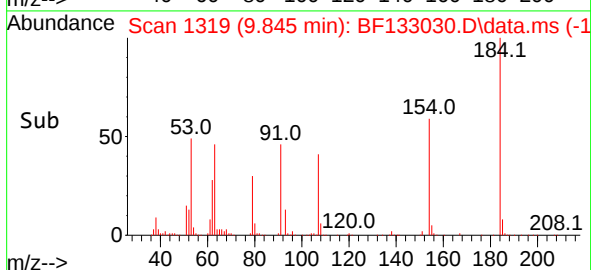
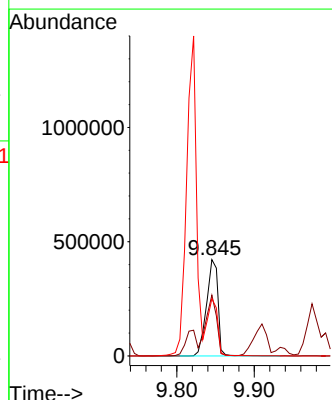
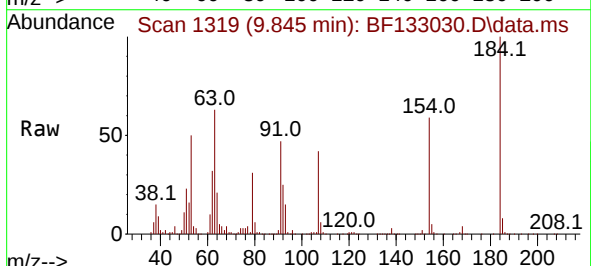
Tgt Ion:184 Resp: 432472

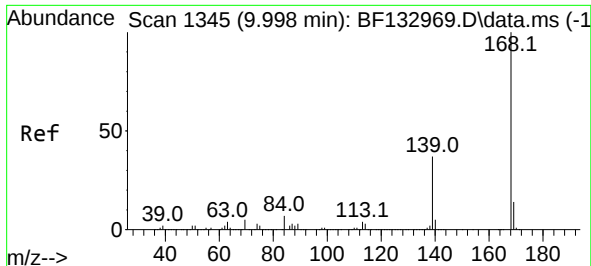
Ion Ratio Lower Upper

184 100

63 63.2 49.8 74.8

154 59.5 49.5 74.3

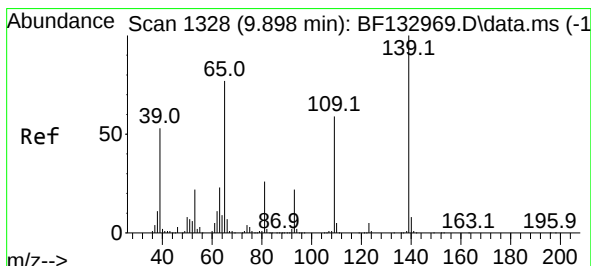
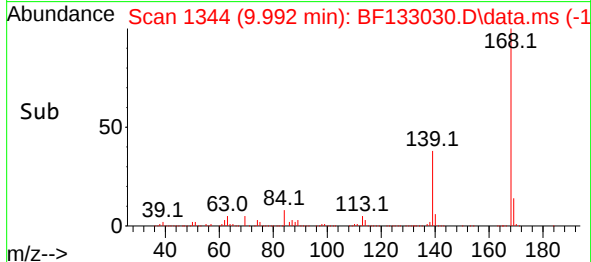
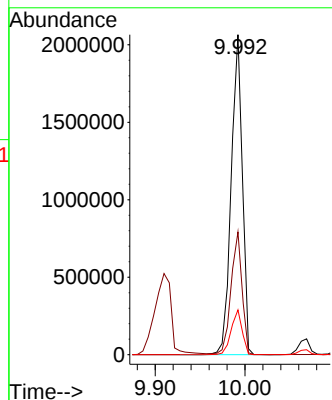
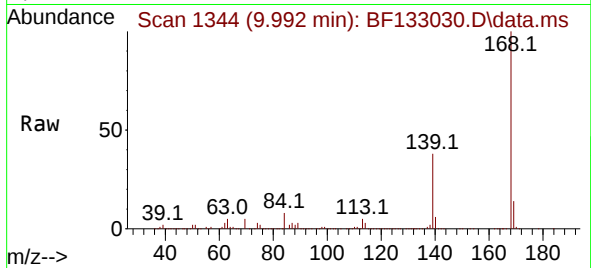




#55  
Dibenzenofuran  
Concen: 39.971 ng  
RT: 9.992 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

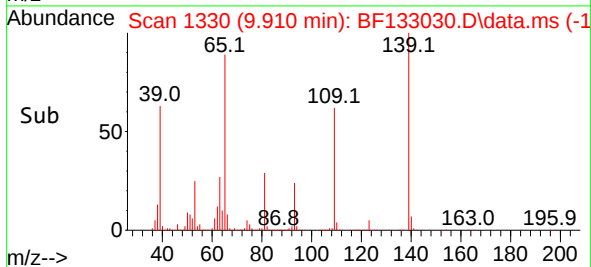
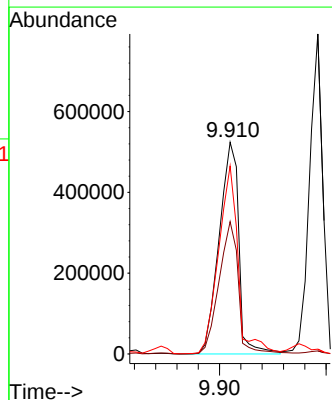
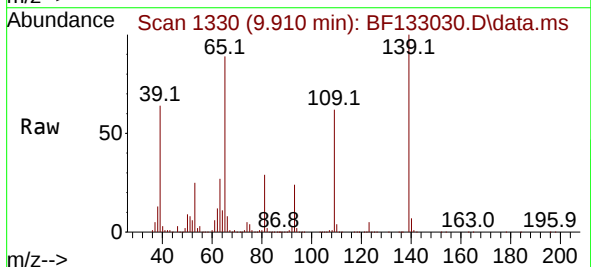
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

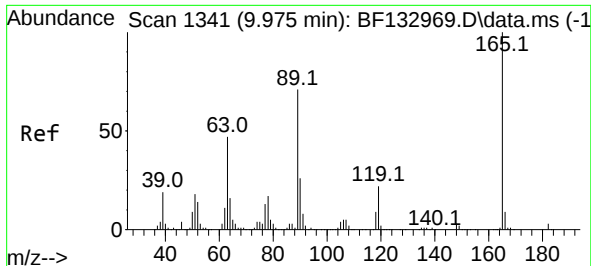
Tgt Ion:168 Resp: 1783053  
Ion Ratio Lower Upper  
168 100  
139 38.3 29.8 44.8  
169 14.0 10.8 16.2



#56  
4-Nitrophenol  
Concen: 88.099 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.012 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:139 Resp: 670401  
Ion Ratio Lower Upper  
139 100  
109 62.5 39.4 79.4  
65 88.8 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 44.295 ng

RT: 9.975 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

Tgt Ion:165 Resp: 466766

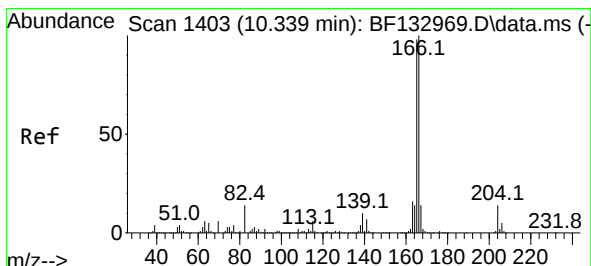
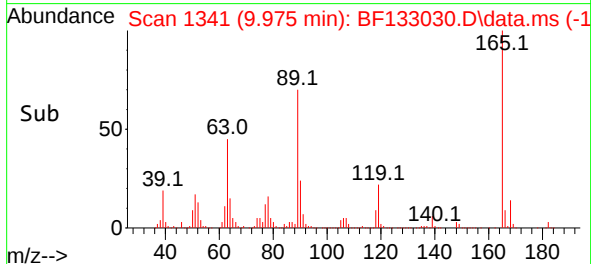
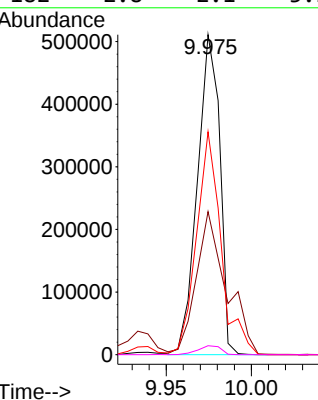
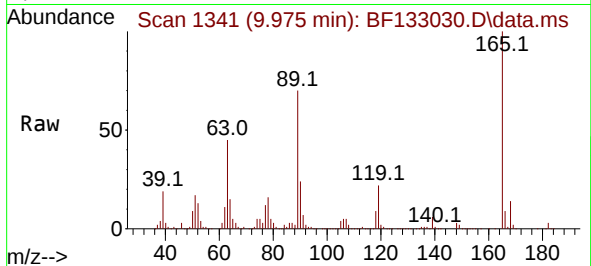
Ion Ratio Lower Upper

165 100

63 44.7 37.7 56.5

89 69.6 57.0 85.4

182 2.8 2.1 3.1



#58

Fluorene

Concen: 39.884 ng

RT: 10.333 min Scan# 1402

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

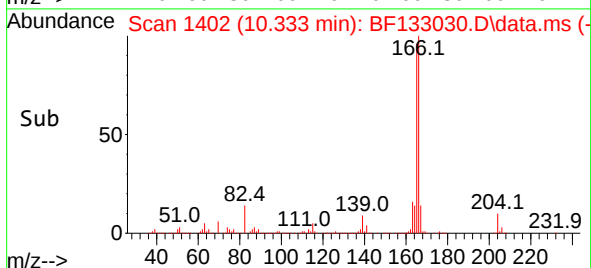
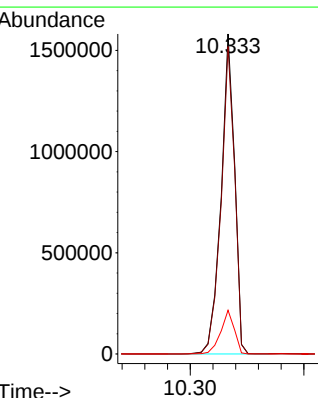
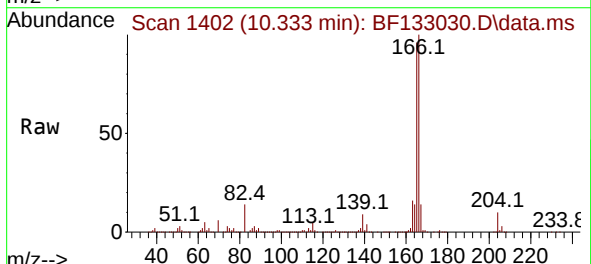
Tgt Ion:166 Resp: 1303518

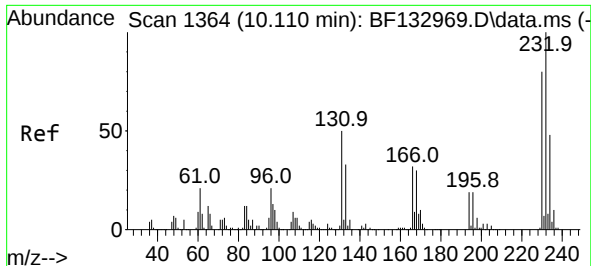
Ion Ratio Lower Upper

166 100

165 96.1 78.6 117.8

167 13.7 11.0 16.4

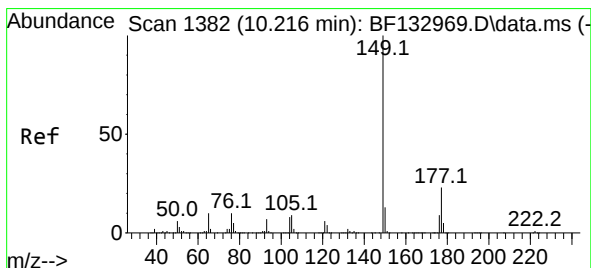
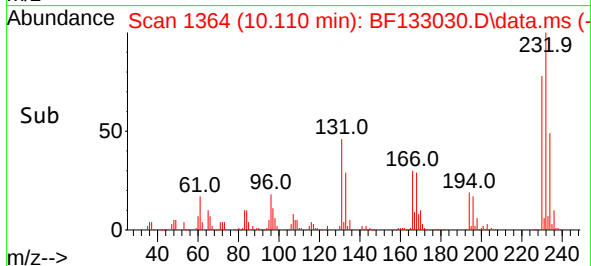
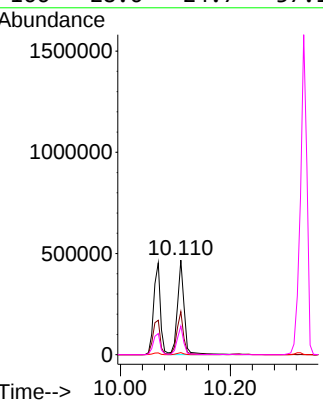
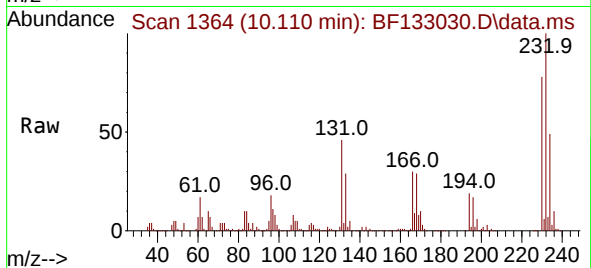




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.150 ng  
RT: 10.110 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

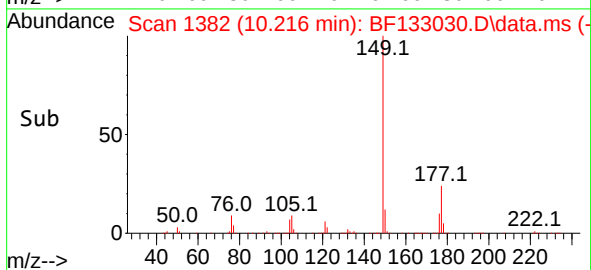
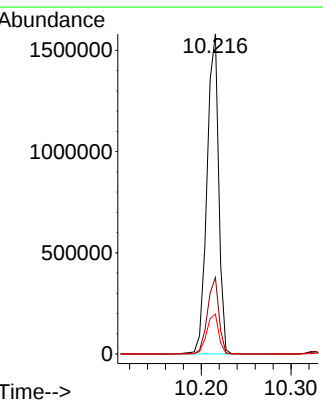
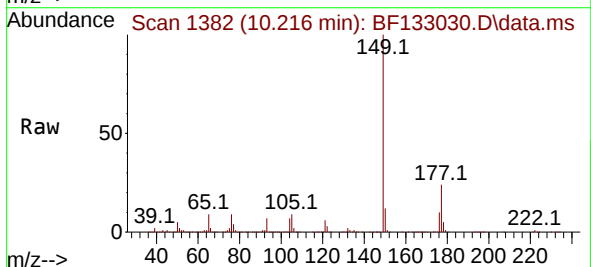
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

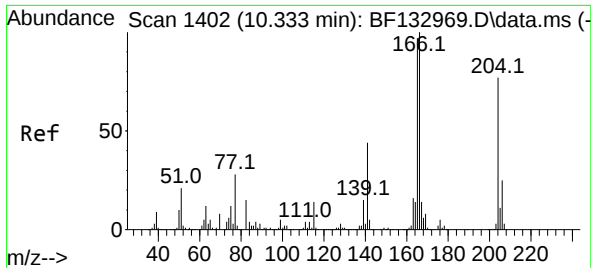
Tgt Ion:232 Resp: 396325  
Ion Ratio Lower Upper  
232 100  
131 44.1 38.0 57.0  
130 2.1 1.8 2.8  
166 28.6 24.7 37.1



#60  
Diethylphthalate  
Concen: 41.135 ng  
RT: 10.216 min Scan# 1382  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:149 Resp: 1426444  
Ion Ratio Lower Upper  
149 100  
177 23.9 18.2 27.4  
150 12.4 10.2 15.4

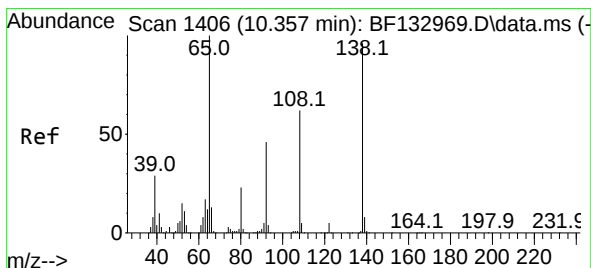
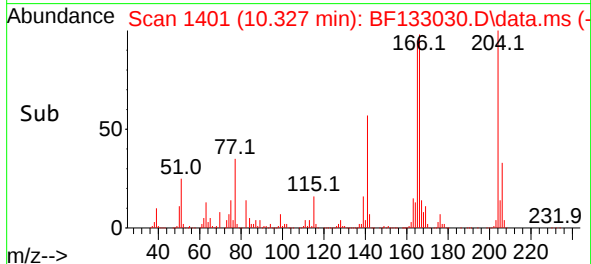
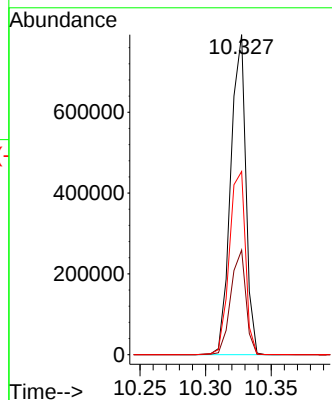
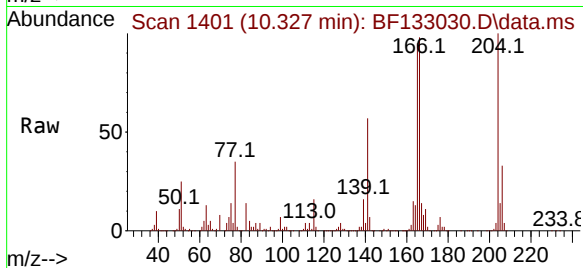




#61  
4-Chlorophenyl-phenylether  
Concen: 39.848 ng  
RT: 10.327 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

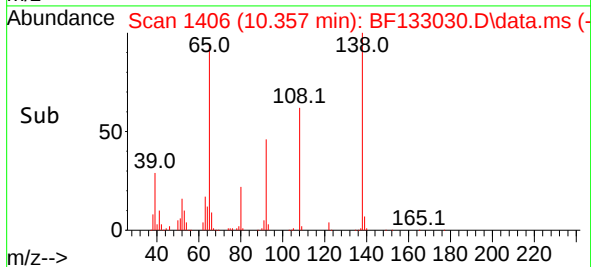
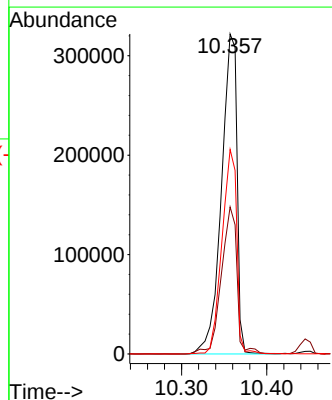
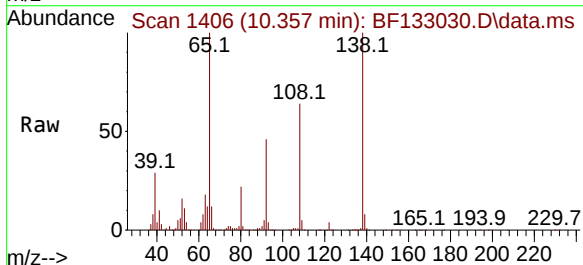
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

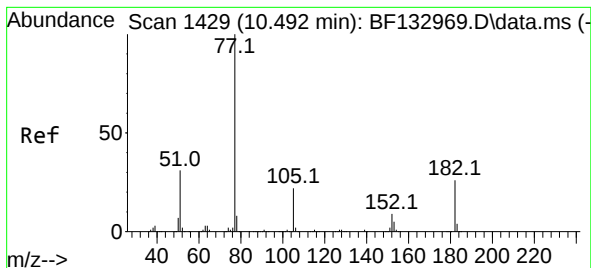
Tgt Ion:204 Resp: 634649  
Ion Ratio Lower Upper  
204 100  
206 32.7 26.1 39.1  
141 57.3 46.1 69.1



#62  
4-Nitroaniline  
Concen: 45.249 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:138 Resp: 408604  
Ion Ratio Lower Upper  
138 100  
92 45.9 27.7 67.7  
108 63.9 45.2 85.2





#63

Azobenzene

Concen: 39.599 ng

RT: 10.486 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

Tgt Ion: 77 Resp: 1454655

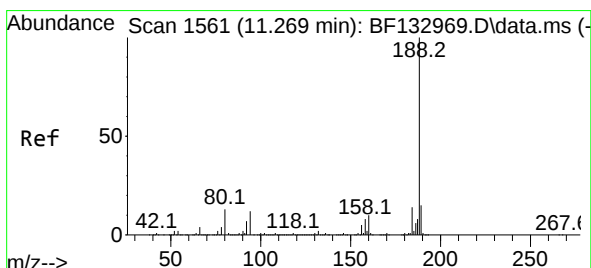
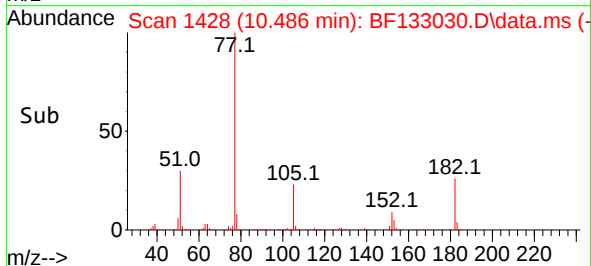
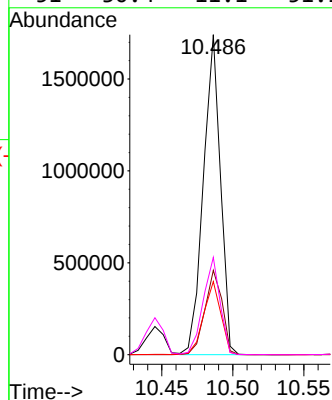
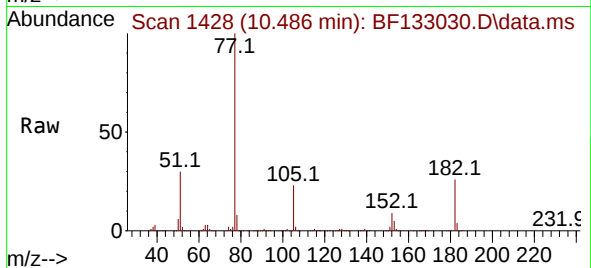
Ion Ratio Lower Upper

77 100

182 26.4 5.9 45.9

105 22.9 2.3 42.3

51 30.4 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1560

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

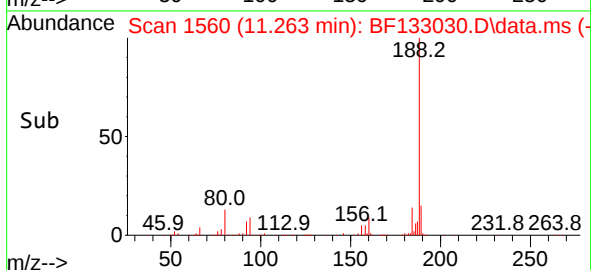
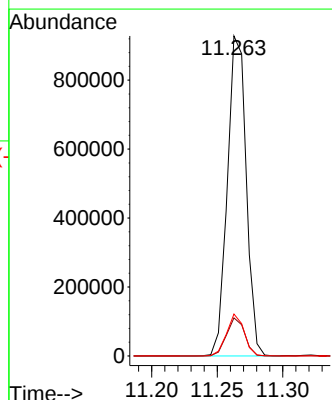
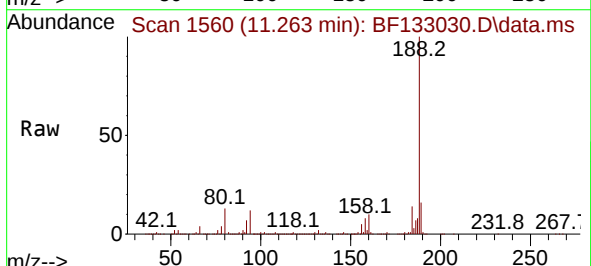
Tgt Ion: 188 Resp: 928554

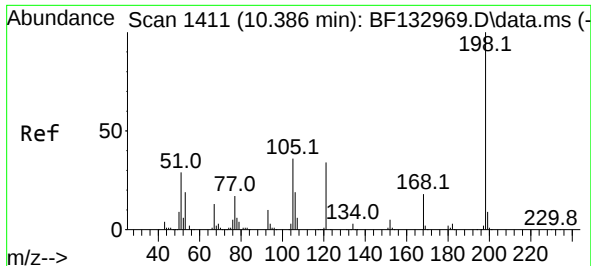
Ion Ratio Lower Upper

188 100

94 11.9 9.7 14.5

80 13.1 10.4 15.6

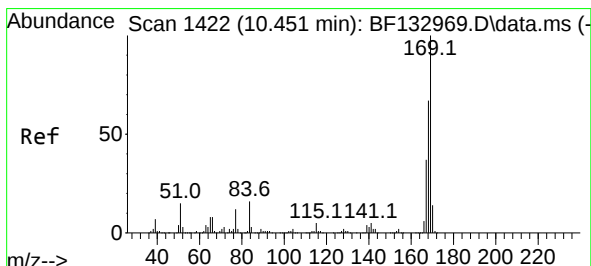
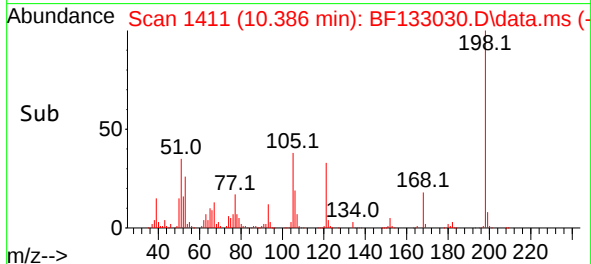
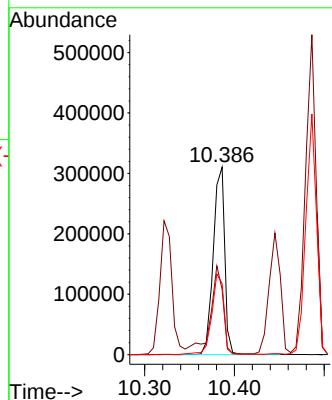
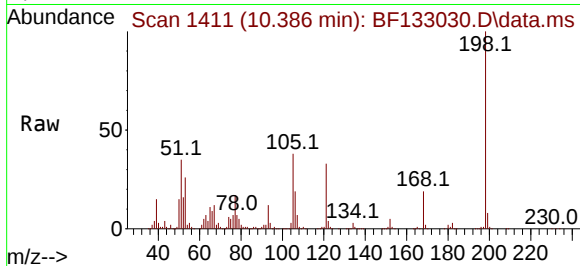




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.965 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

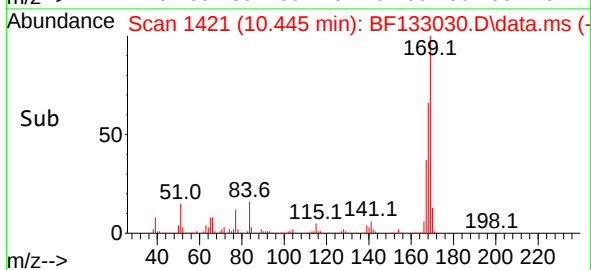
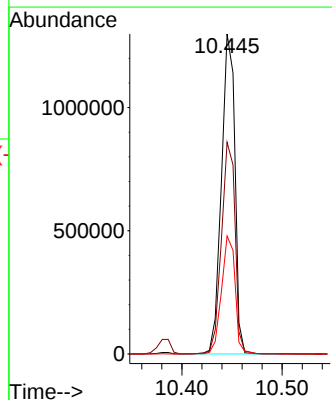
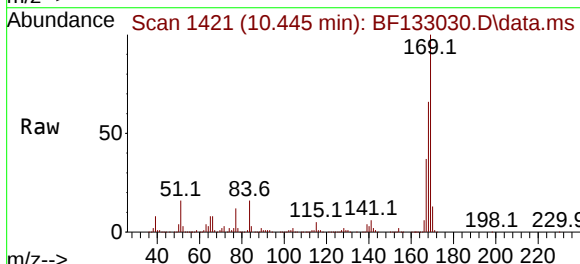
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

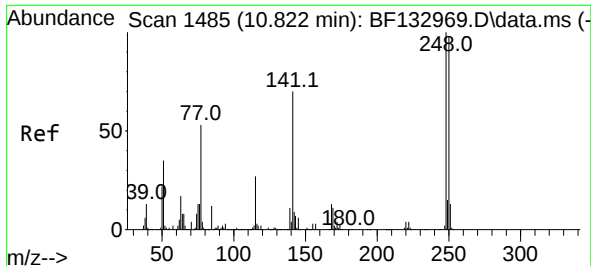
Tgt Ion:198 Resp: 275585  
Ion Ratio Lower Upper  
198 100  
51 34.8 15.5 55.5  
105 37.9 16.7 56.7



#66  
n-Nitrosodiphenylamine  
Concen: 40.022 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:169 Resp: 1205458  
Ion Ratio Lower Upper  
169 100  
168 66.2 53.8 80.8  
167 36.9 29.7 44.5





#67

4-Bromophenyl-phenylether

Concen: 41.560 ng

RT: 10.816 min Scan# 1484

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

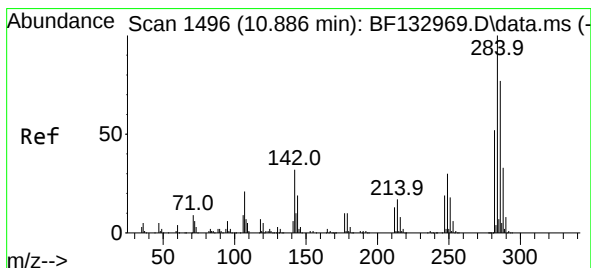
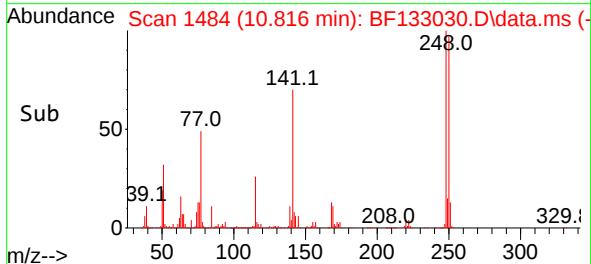
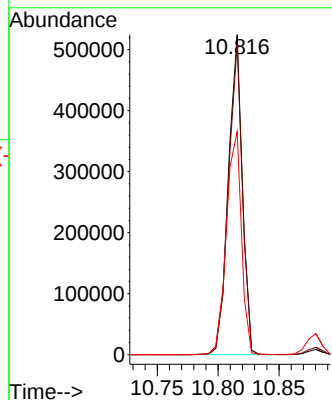
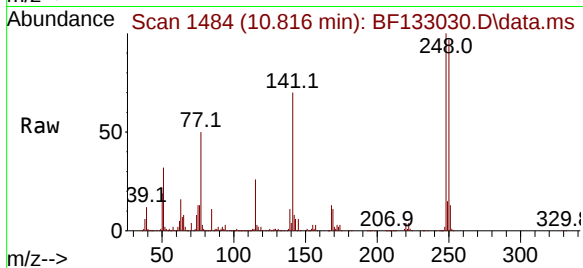
Tgt Ion:248 Resp: 418538

Ion Ratio Lower Upper

248 100

250 97.1 78.7 118.1

141 69.7 56.3 84.5



#68

Hexachlorobenzene

Concen: 44.449 ng

RT: 10.880 min Scan# 1495

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

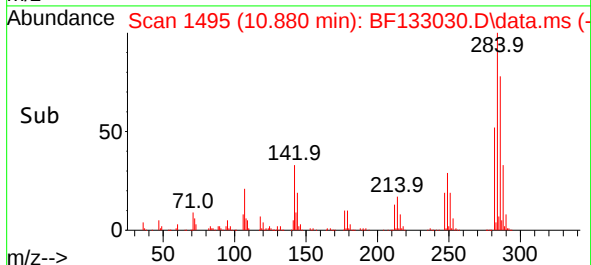
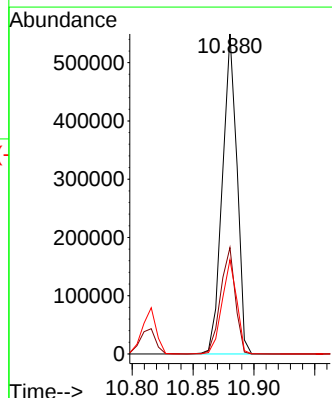
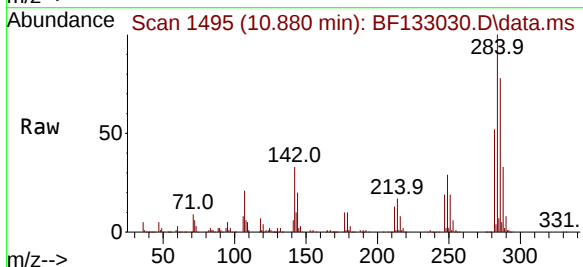
Tgt Ion:284 Resp: 458679

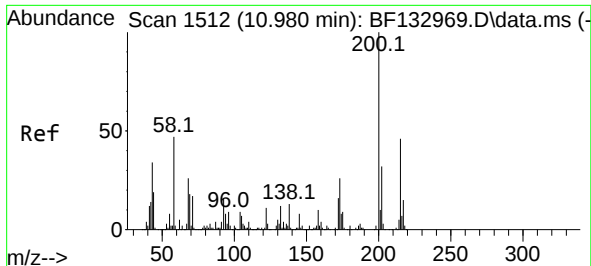
Ion Ratio Lower Upper

284 100

142 33.3 26.0 39.0

249 29.5 23.7 35.5

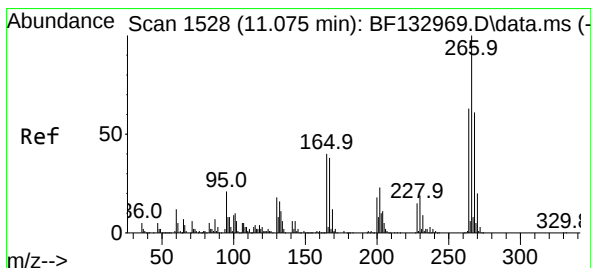
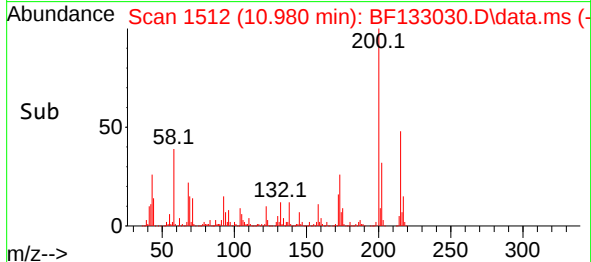
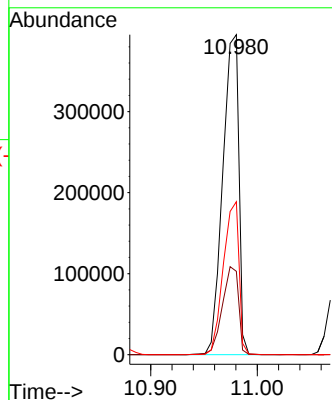
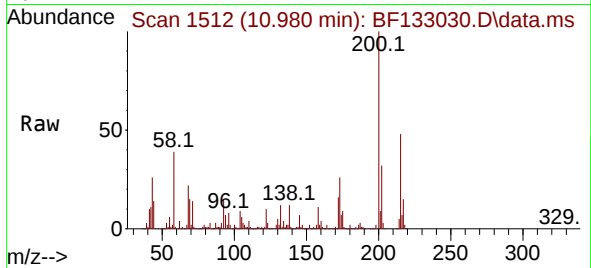




#69  
 Atrazine  
 Concen: 47.616 ng  
 RT: 10.980 min Scan# 1512  
 Delta R.T. -0.000 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

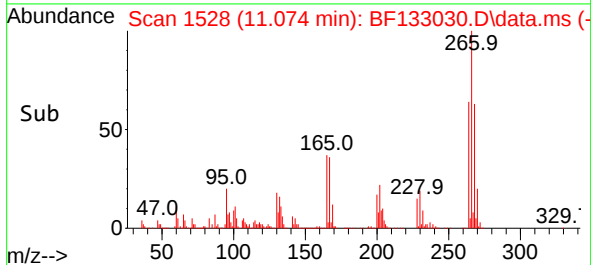
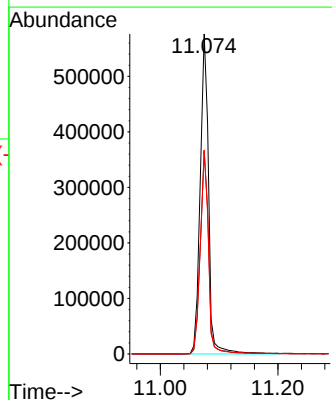
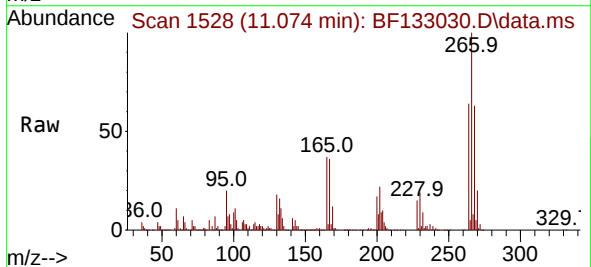
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152323BS

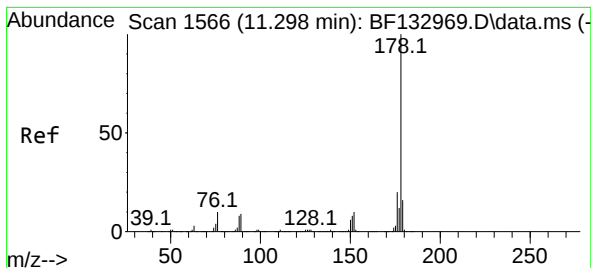
Tgt Ion:200 Resp: 413251  
 Ion Ratio Lower Upper  
 200 100  
 173 26.0 6.2 46.2  
 215 47.8 26.3 66.3



#70  
 Pentachlorophenol  
 Concen: 77.290 ng  
 RT: 11.074 min Scan# 1528  
 Delta R.T. -0.000 min  
 Lab File: BF133030.D  
 Acq: 25 Apr 2023 14:09

Tgt Ion:266 Resp: 568034  
 Ion Ratio Lower Upper  
 266 100  
 268 63.4 48.8 73.2  
 264 63.8 50.6 76.0





#71

Phenanthrene

Concen: 39.828 ng

RT: 11.292 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

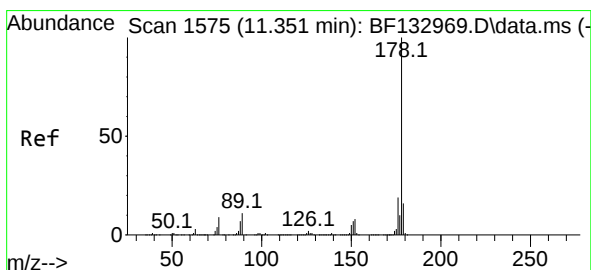
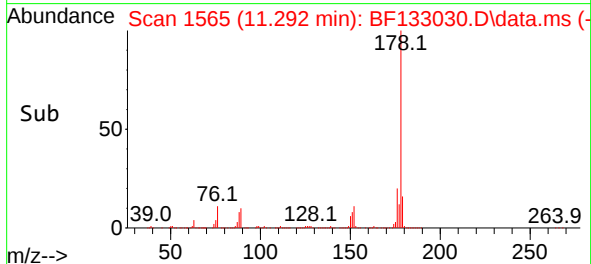
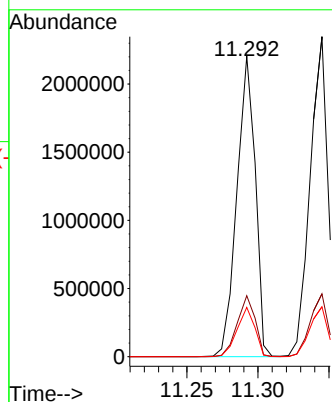
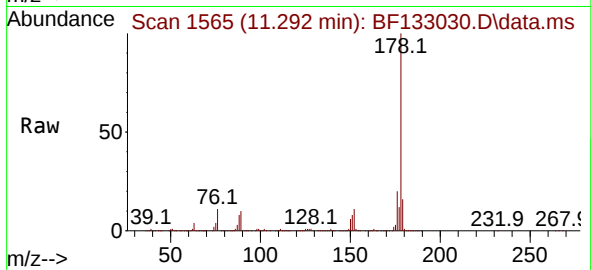
Tgt Ion:178 Resp: 1987717

Ion Ratio Lower Upper

178 100

176 20.3 15.9 23.9

179 16.4 12.5 18.7



#72

Anthracene

Concen: 40.214 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

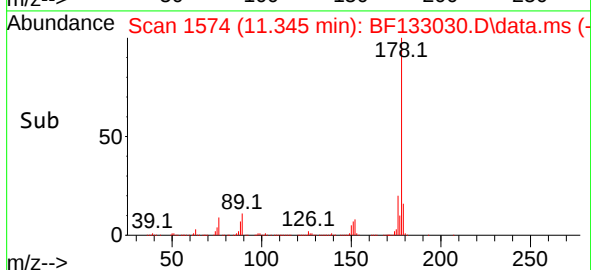
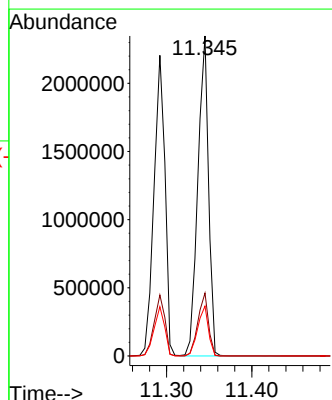
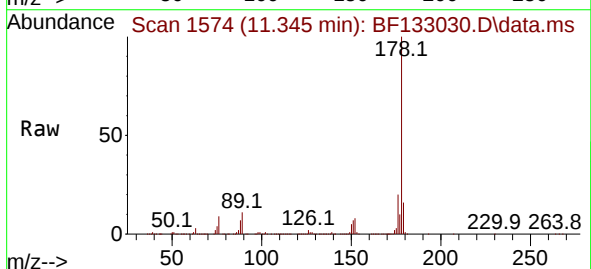
Tgt Ion:178 Resp: 2053896

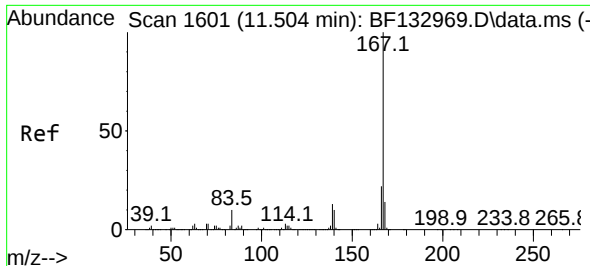
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

179 15.6 12.4 18.6

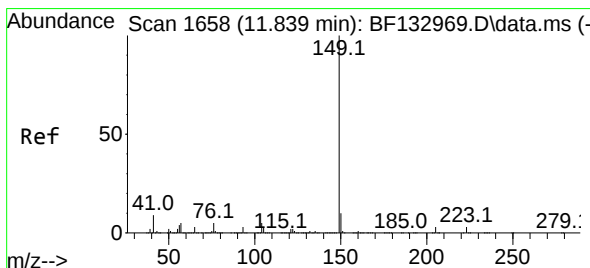
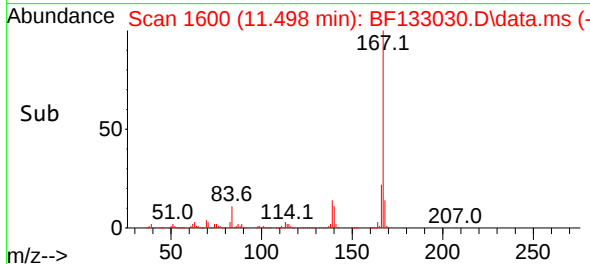
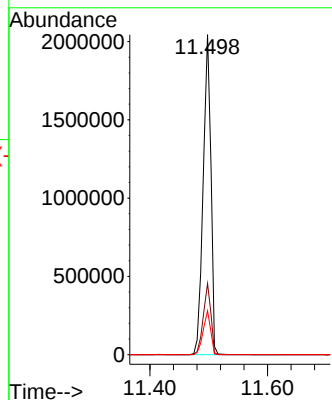
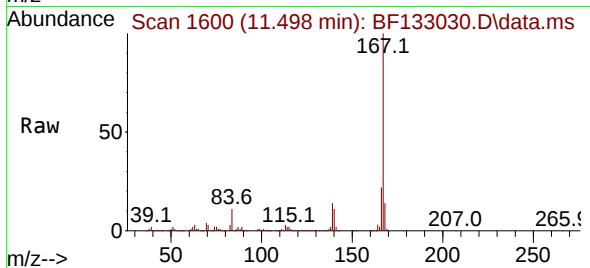




#73  
Carbazole  
Concen: 41.084 ng  
RT: 11.498 min Scan# 1600  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

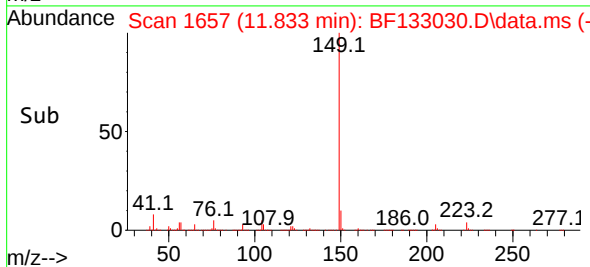
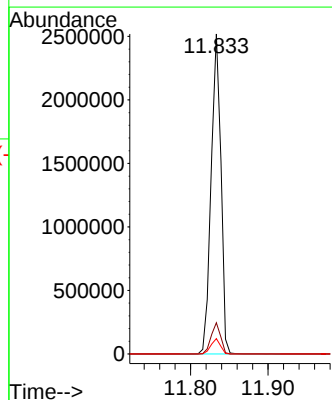
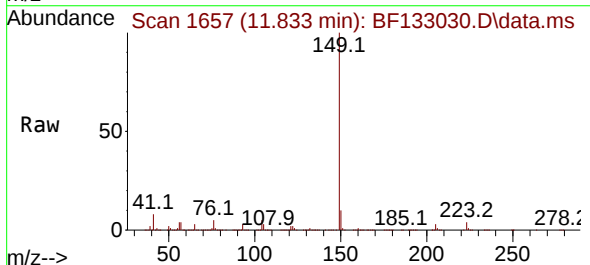
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

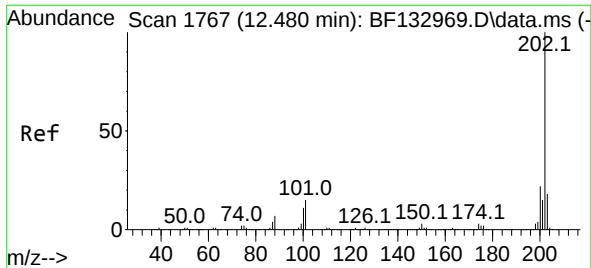
Tgt Ion:167 Resp: 1868427  
Ion Ratio Lower Upper  
167 100  
166 22.2 17.4 26.0  
139 13.7 10.6 16.0



#74  
Di-n-butylphthalate  
Concen: 42.799 ng  
RT: 11.833 min Scan# 1657  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:149 Resp: 2202684  
Ion Ratio Lower Upper  
149 100  
150 9.8 7.6 11.4  
104 4.8 4.0 6.0

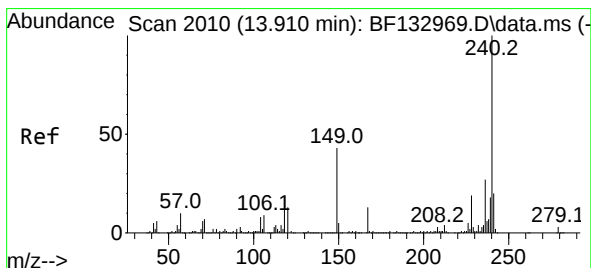
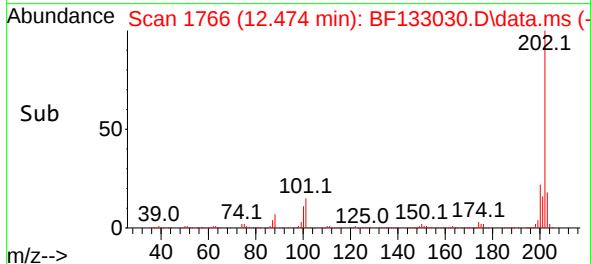
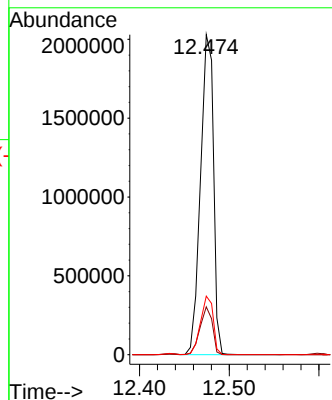
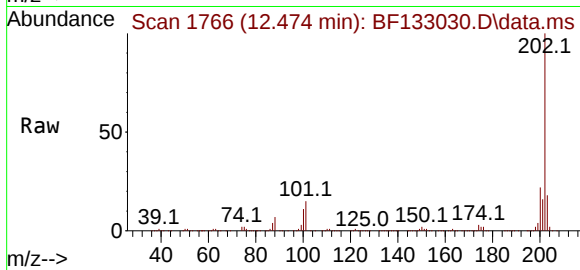




#75  
Fluoranthene  
Concen: 40.635 ng  
RT: 12.474 min Scan# 1  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

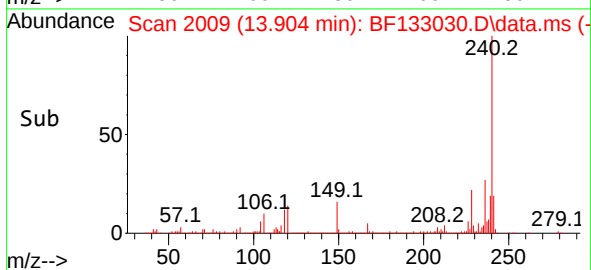
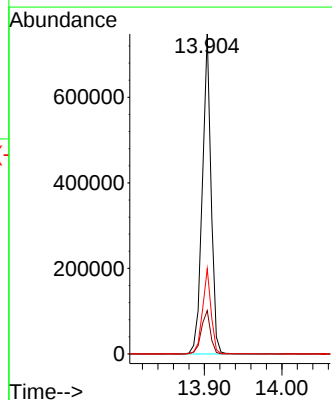
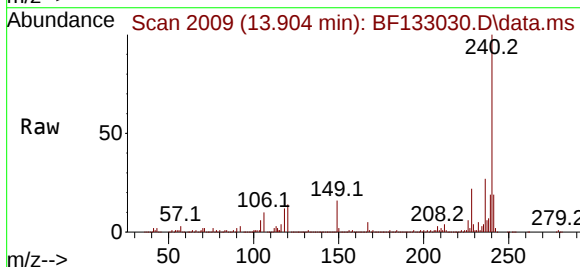
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

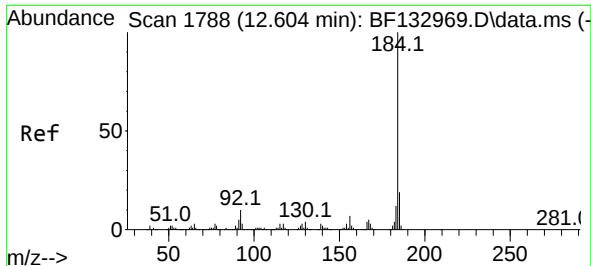
Tgt Ion:202 Resp: 2035294  
Ion Ratio Lower Upper  
202 100  
101 15.0 0.0 35.3  
203 18.3 0.0 38.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.904 min Scan# 2009  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:240 Resp: 585097  
Ion Ratio Lower Upper  
240 100  
120 13.5 10.5 15.7  
236 26.6 21.5 32.3

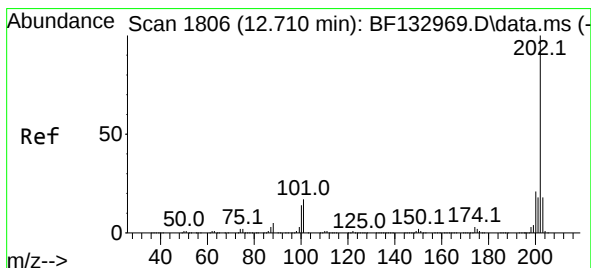
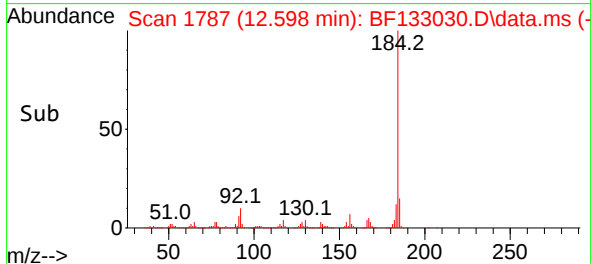
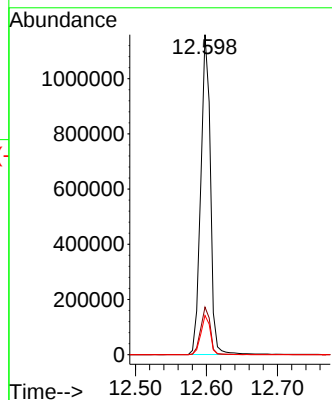
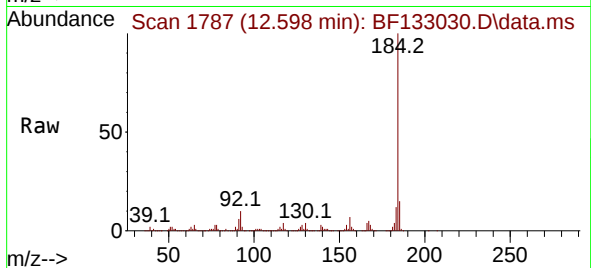




#77  
Benzidine  
Concen: 110.926 ng  
RT: 12.598 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

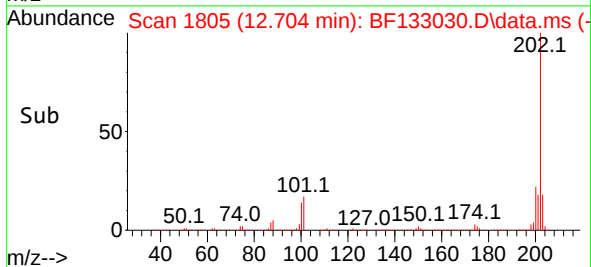
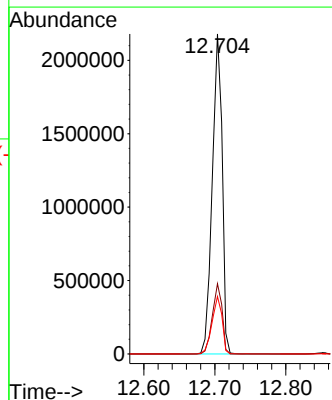
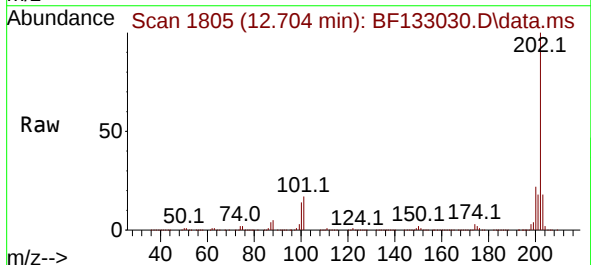
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

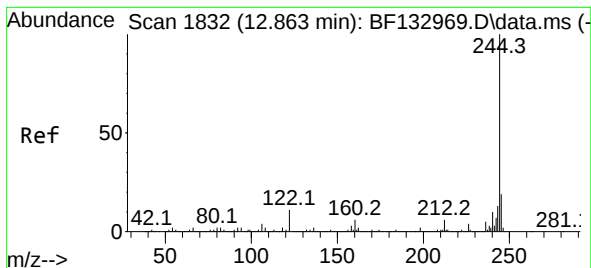
Tgt Ion:184 Resp: 1097535  
Ion Ratio Lower Upper  
184 100  
185 14.9 15.4 23.2#  
183 12.2 9.4 14.0



#78  
Pyrene  
Concen: 42.110 ng  
RT: 12.704 min Scan# 1805  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:202 Resp: 2112061  
Ion Ratio Lower Upper  
202 100  
200 21.9 17.1 25.7  
203 17.9 14.1 21.1





#79

Terphenyl-d14

Concen: 69.358 ng

RT: 12.851 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

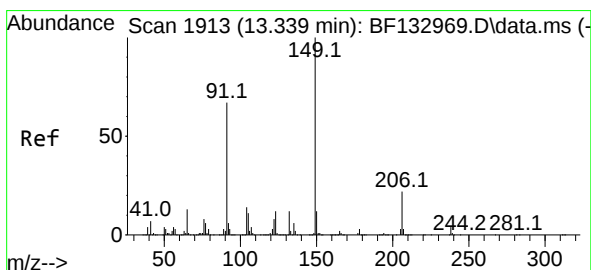
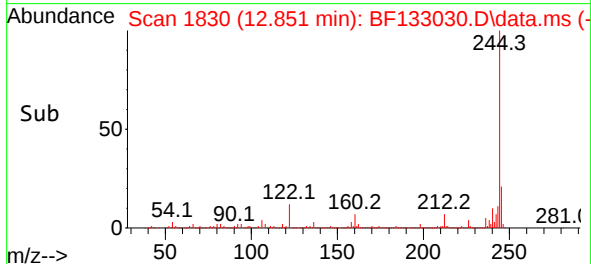
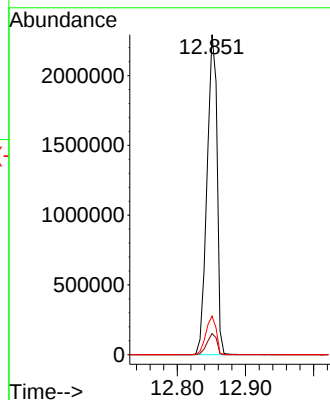
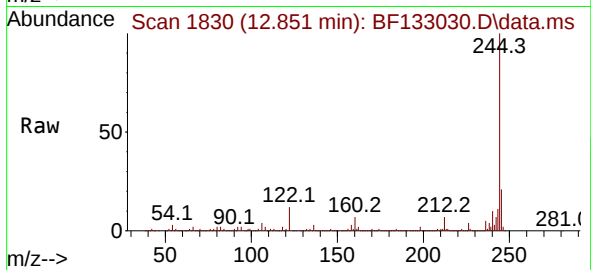
Tgt Ion:244 Resp: 2352971

Ion Ratio Lower Upper

244 100

212 6.6 5.1 7.7

122 12.0 8.6 13.0



#80

Butylbenzylphthalate

Concen: 50.722 ng

RT: 13.327 min Scan# 1911

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

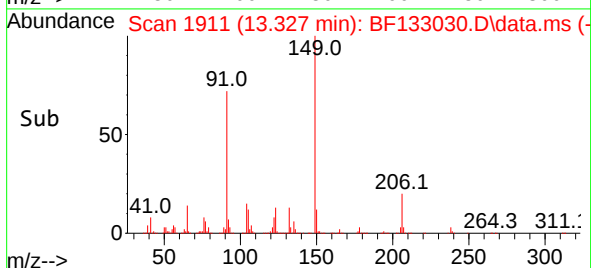
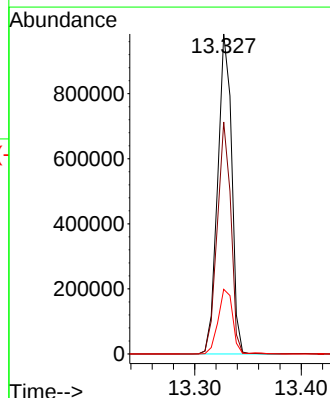
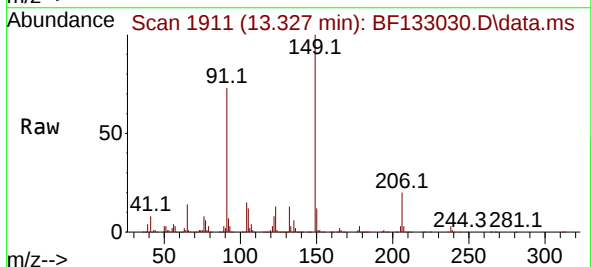
Tgt Ion:149 Resp: 900770

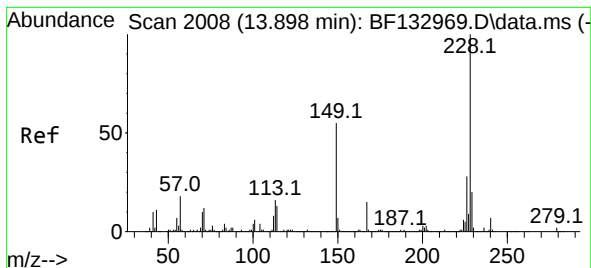
Ion Ratio Lower Upper

149 100

91 72.5 53.8 80.6

206 20.2 17.5 26.3





#81

Benzo(a)anthracene

Concen: 40.796 ng

RT: 13.892 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

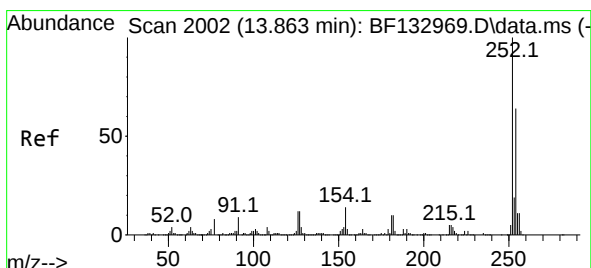
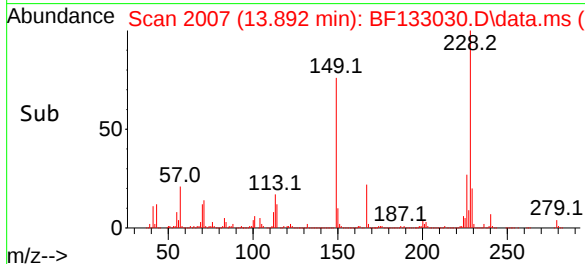
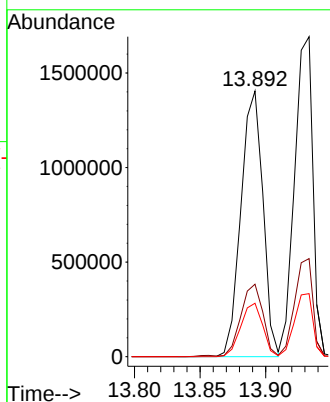
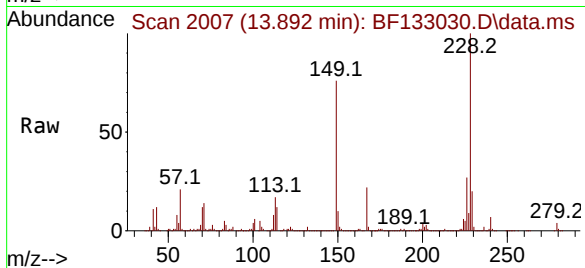
Tgt Ion:228 Resp: 1641423

Ion Ratio Lower Upper

228 100

226 27.3 22.2 33.4

229 20.1 16.0 24.0



#82

3,3'-Dichlorobenzidine

Concen: 33.996 ng

RT: 13.857 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

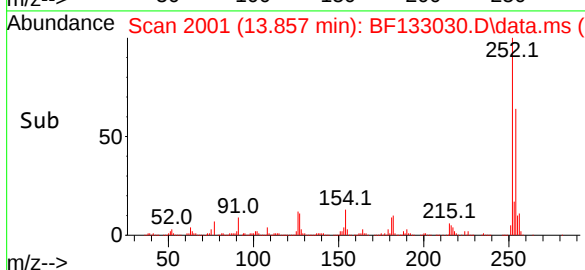
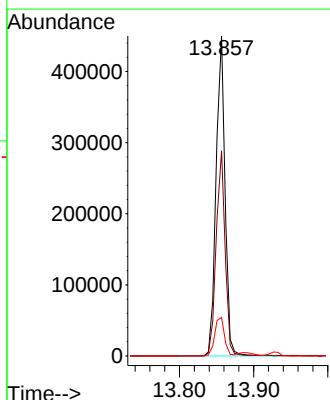
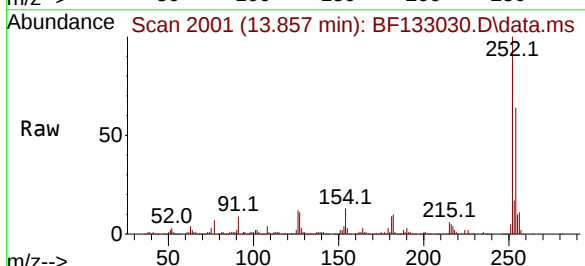
Tgt Ion:252 Resp: 377870

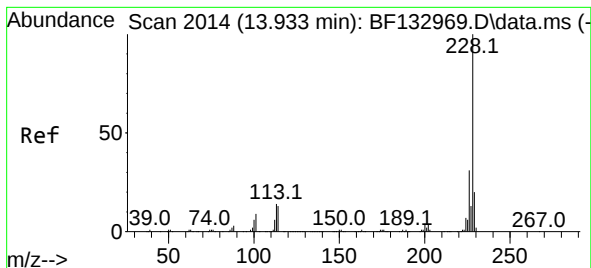
Ion Ratio Lower Upper

252 100

254 64.1 51.5 77.3

126 12.1 9.5 14.3





#83

Chrysene

Concen: 40.950 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

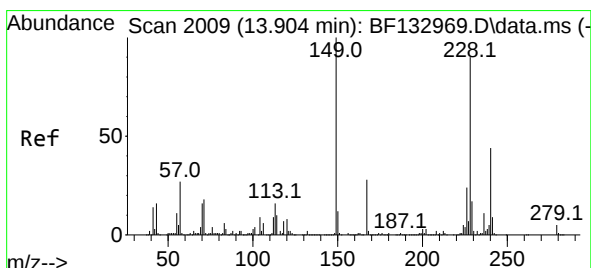
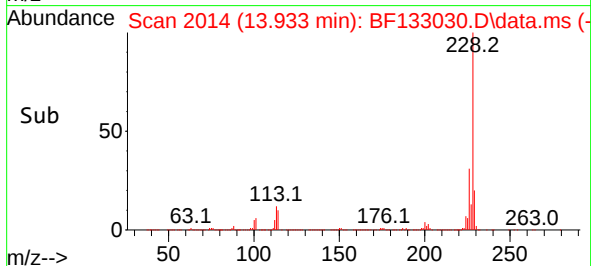
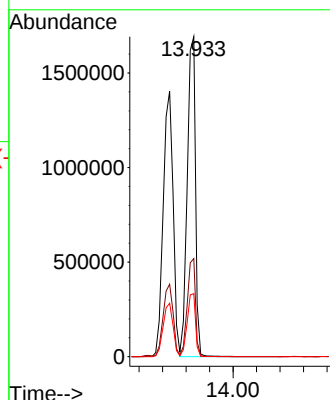
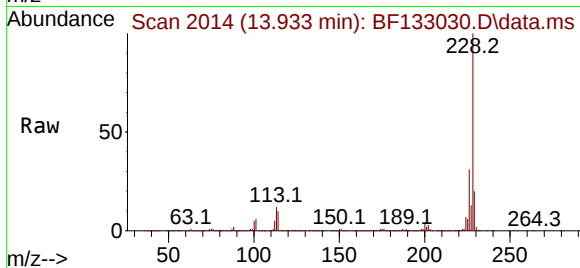
Tgt Ion:228 Resp: 1647233

Ion Ratio Lower Upper

228 100

226 30.6 24.7 37.1

229 19.7 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.124 ng

RT: 13.892 min Scan# 2007

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

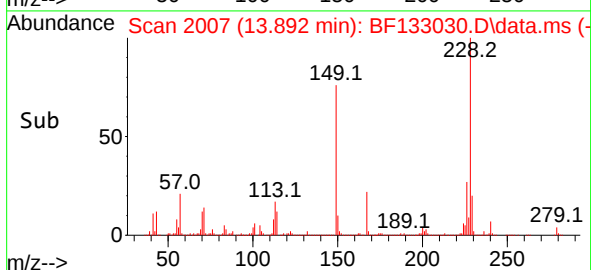
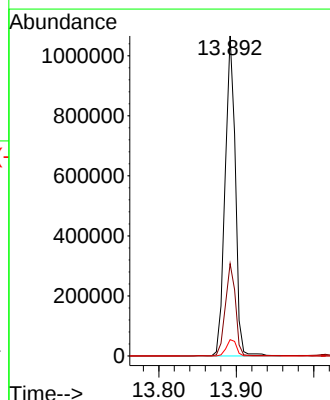
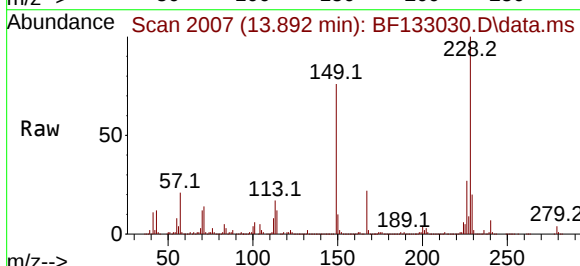
Tgt Ion:149 Resp: 983567

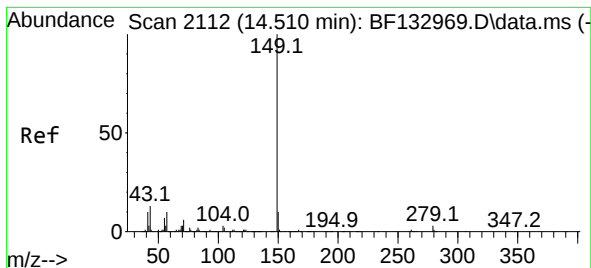
Ion Ratio Lower Upper

149 100

167 28.8 22.5 33.7

279 5.1 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 45.963 ng

RT: 14.504 min Scan# 2111

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

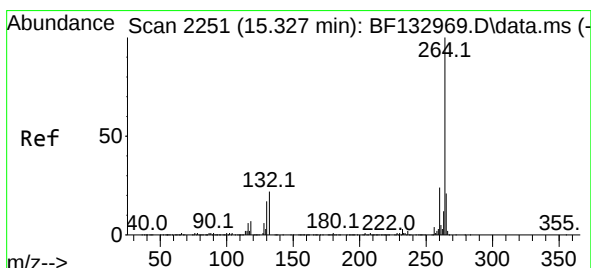
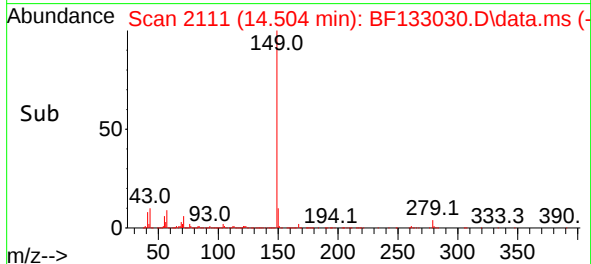
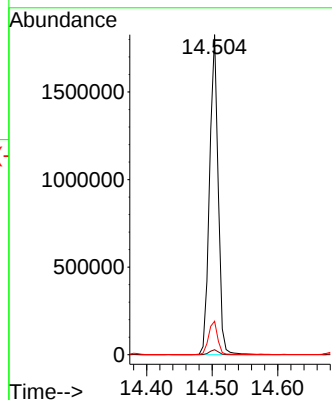
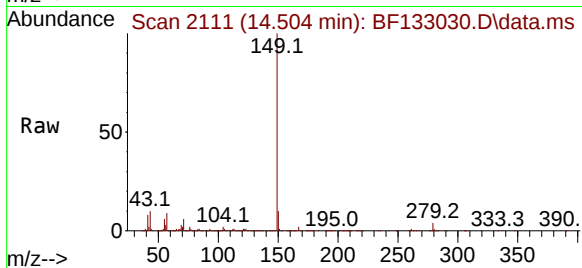
Tgt Ion:149 Resp: 1670601

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.0 9.5 14.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. -0.006 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

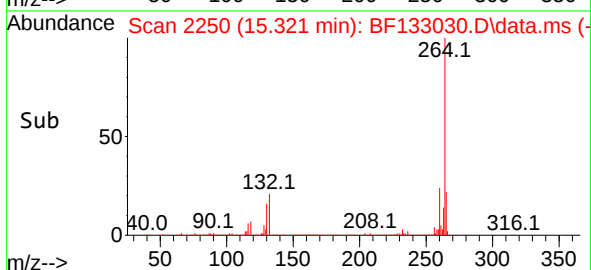
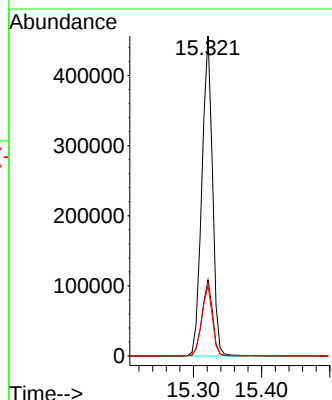
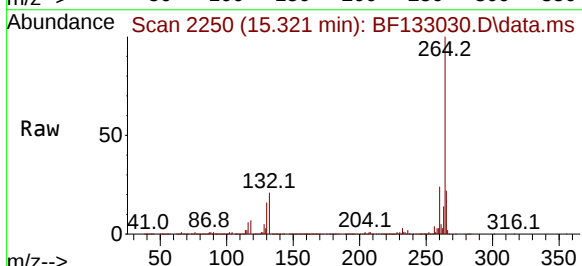
Tgt Ion:264 Resp: 493951

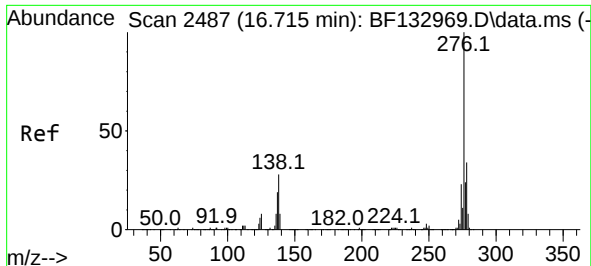
Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.9 17.0 25.4

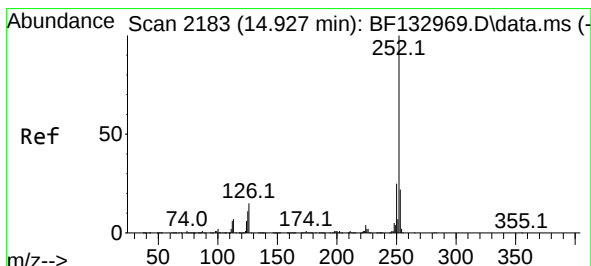
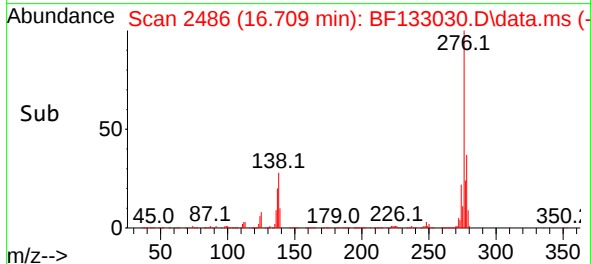
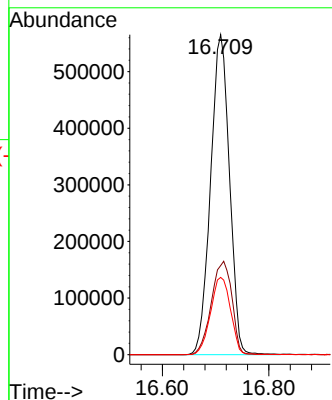
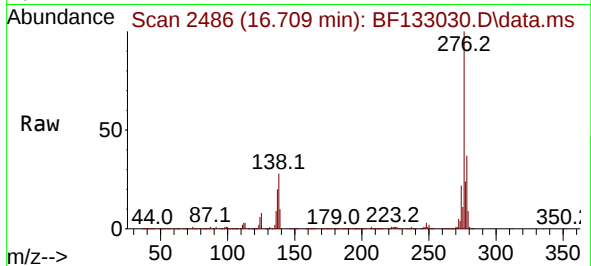




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.551 ng  
RT: 16.709 min Scan# 2487  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

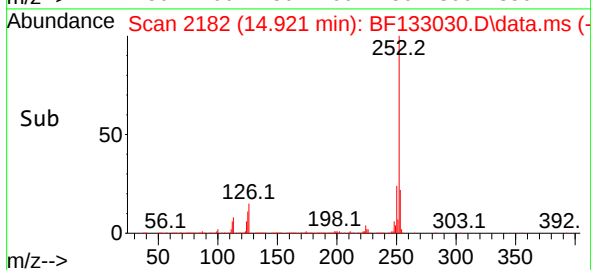
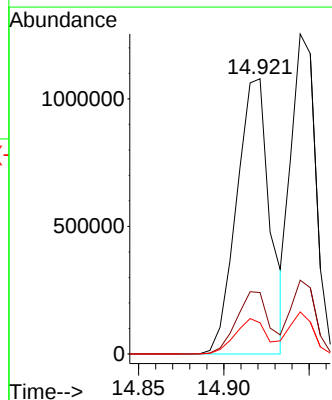
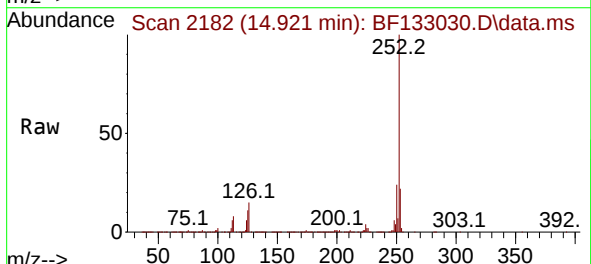
Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS

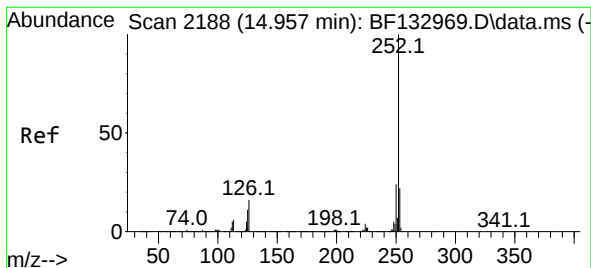
Tgt Ion:276 Resp: 1392224  
Ion Ratio Lower Upper  
276 100  
138 31.9 25.5 38.3  
277 25.6 20.4 30.6



#88  
Benzo(b)fluoranthene  
Concen: 46.797 ng  
RT: 14.921 min Scan# 2182  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:252 Resp: 1470564  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.6 26.4  
125 11.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 40.753 ng

RT: 14.945 min Scan# 2186

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

Instrument :

BNA\_F

ClientSampleId :

PB152323BS

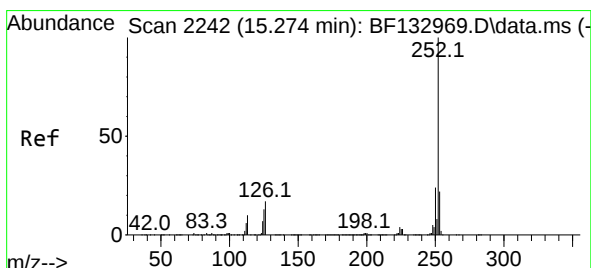
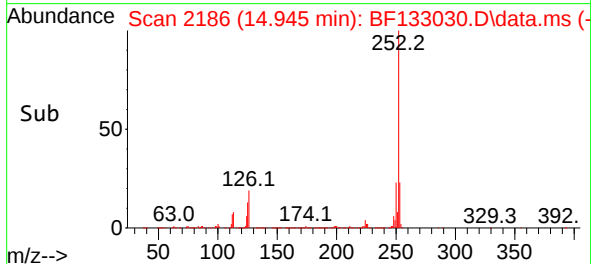
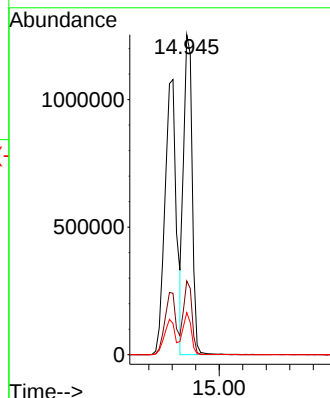
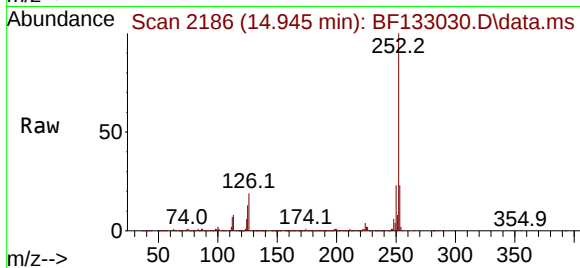
Tgt Ion:252 Resp: 1269497

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 13.1 9.0 13.4



#90

Benzo(a)pyrene

Concen: 40.203 ng

RT: 15.262 min Scan# 2240

Delta R.T. -0.012 min

Lab File: BF133030.D

Acq: 25 Apr 2023 14:09

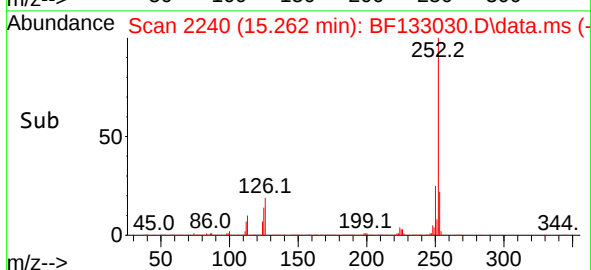
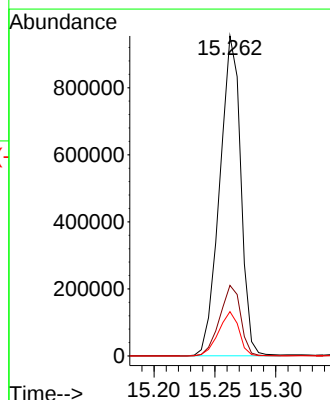
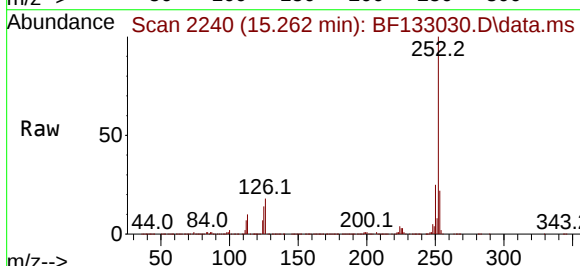
Tgt Ion:252 Resp: 1149911

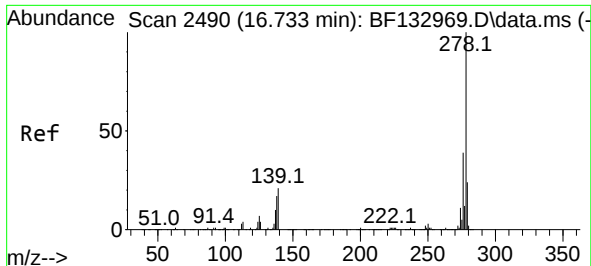
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

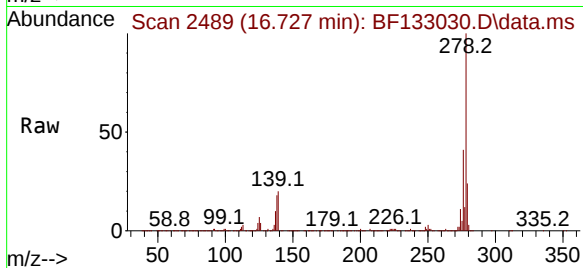
125 13.9 10.5 15.7



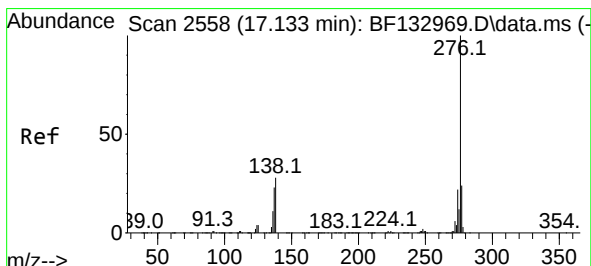
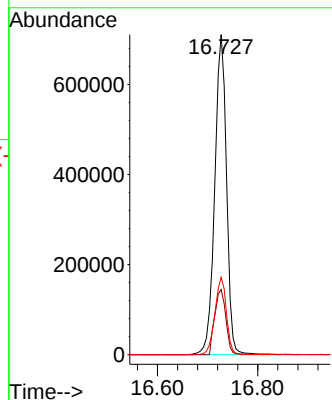
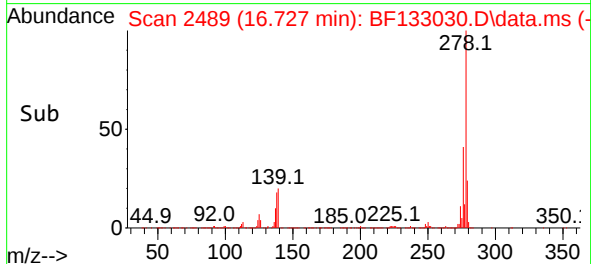


#91  
Dibenzo(a,h)anthracene  
Concen: 49.408 ng  
RT: 16.727 min Scan# 2490  
Delta R.T. -0.006 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB152323BS



Tgt Ion:278 Resp: 1157837  
Ion Ratio Lower Upper  
278 100  
139 20.3 16.6 24.8  
279 24.1 18.8 28.2



#92  
Benzo(g,h,i)perylene  
Concen: 50.736 ng  
RT: 17.133 min Scan# 2558  
Delta R.T. -0.000 min  
Lab File: BF133030.D  
Acq: 25 Apr 2023 14:09

Tgt Ion:276 Resp: 1173816  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.4 29.0  
138 26.8 22.7 34.1

