

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122723\  
 Data File : BF136766.D  
 Acq On : 27 Dec 2023 19:27  
 Operator : CG\JU  
 Sample : 05796-06MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 22:45:36 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 77510    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 286721   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 129066   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 192629   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 105924   | 20.000 | ng    | # 0.02   |
| 86) Perylene-d12              | 15.504 | 264  | 121402   | 20.000 | ng    | 0.06     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 421772   | 84.903 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 535944   | 83.261 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 341536   | 60.954 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 121830   | 80.149 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 648902   | 67.621 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.916 | 244  | 445212   | 58.737 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.593  | 88   | 74495    | 35.991 | ng    | 97       |
| 3) Pyridine                   | 3.357  | 79   | 179382   | 35.520 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 106745   | 39.581 | ng    | 97       |
| 6) Aniline                    | 6.451  | 93   | 119538   | 18.574 | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.575  | 128  | 221447   | 40.735 | ng    | 95       |
| 9) Benzaldehyde               | 6.339  | 77   | 73985    | 20.207 | ng    | 98       |
| 10) Phenol                    | 6.451  | 94   | 267019   | 38.859 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 212003   | 40.570 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 228522   | 38.534 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 232830   | 38.424 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 220121   | 39.039 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 184418   | 42.467 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 334572   | 39.161 | ng    | 94       |
| 17) 2-Methylphenol            | 7.051  | 107  | 165474   | 36.743 | ng    | 95       |
| 18) Hexachloroethane          | 7.292  | 117  | 84116    | 38.223 | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 153380   | 39.308 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 213425   | 37.933 | ng    | 99       |
| 22) Acetophenone              | 7.192  | 105  | 314486   | 43.760 | ng    | # 90     |
| 24) Nitrobenzene              | 7.369  | 77   | 225077   | 40.100 | ng    | 96       |
| 25) Isophorone                | 7.604  | 82   | 416154   | 40.817 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 115722   | 43.092 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 99356    | 30.390 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 255674   | 41.255 | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 177312   | 42.126 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 188143   | 40.118 | ng    | 99       |
| 31) Naphthalene               | 8.086  | 128  | 621474   | 39.454 | ng    | 100      |
| 32) Benzoic acid              | 7.869  | 122  | 136464   | 43.139 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.133  | 127  | 56753    | 9.758  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 113687   | 39.900 | ng    | 98       |
| 35) Caprolactam               | 8.516  | 113  | 46277    | 33.328 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 190803   | 40.267 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 387012   | 38.177 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 367774   | 36.979 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 188981   | 47.279 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.928  | 237  | 114781   | 89.447 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 117503   | 45.838 | ng    | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

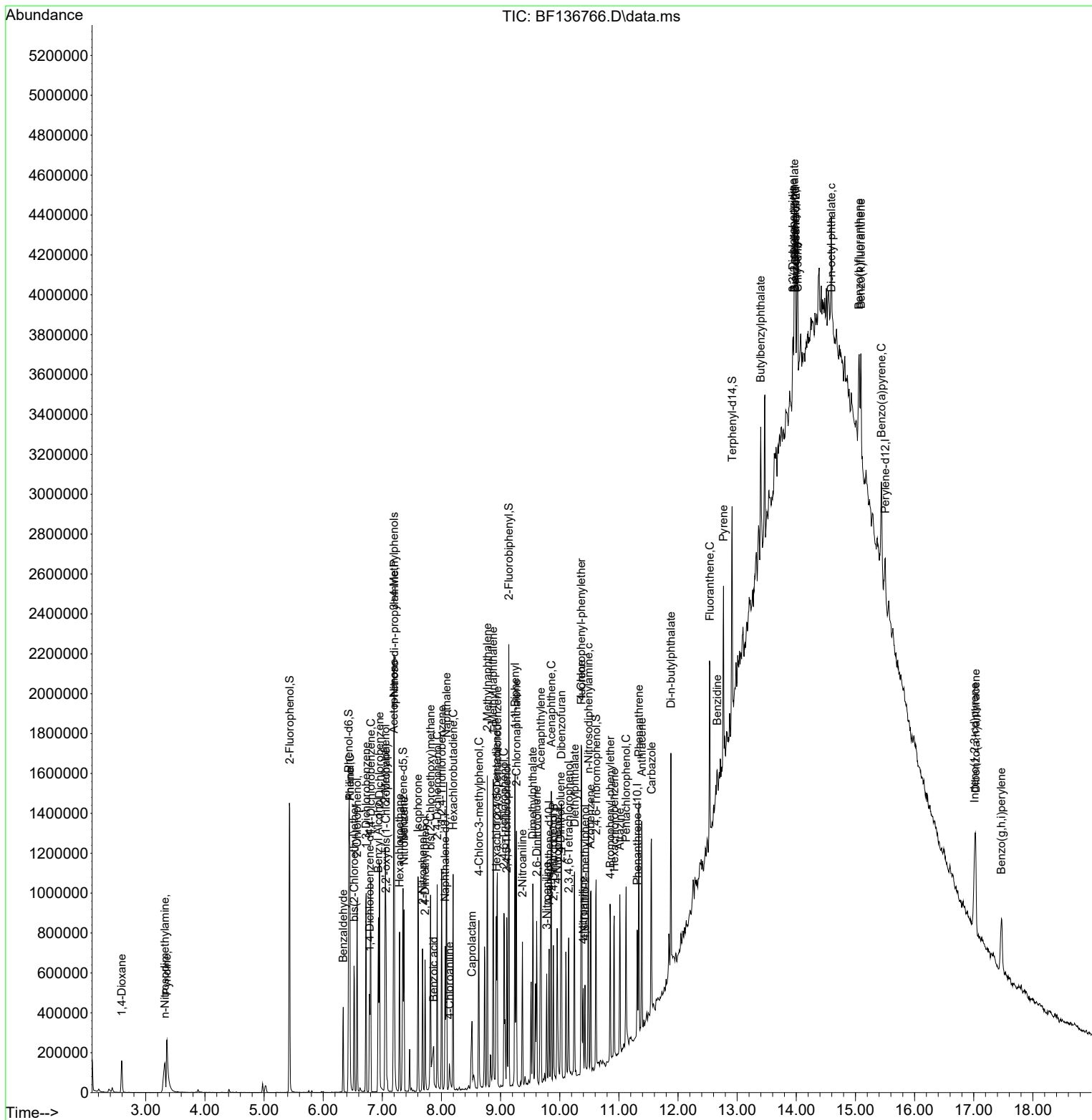
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 BNA\_F  
 ClientSampleId :

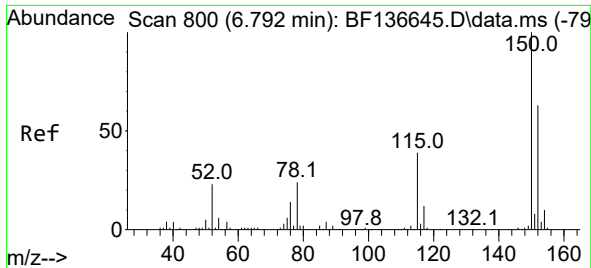
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 125196   | 43.827 | ng    | # 94     |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 493360   | 45.552 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 350199   | 42.533 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 116741   | 45.278 | ng    | 99       |
| 49) Acenaphthylene            | 9.680  | 152  | 545804   | 43.370 | ng    | 99       |
| 50) Dimethylphthalate         | 9.545  | 163  | 426346   | 45.225 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 91910    | 42.958 | ng    | # 85     |
| 52) Acenaphthene              | 9.857  | 154  | 312356   | 40.040 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.780  | 138  | 72089    | 31.807 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 82398    | 69.979 | ng    | # 83     |
| 55) Dibenzofuran              | 10.027 | 168  | 472080   | 39.921 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 123325   | 80.605 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 111851   | 40.270 | ng    | # 99     |
| 58) Fluorene                  | 10.369 | 166  | 354395   | 37.770 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 92711    | 42.162 | ng    | 98       |
| 60) Diethylphthalate          | 10.251 | 149  | 404421   | 41.346 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 174306   | 38.218 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 71951    | 32.931 | ng    | 98       |
| 63) Azobenzene                | 10.522 | 77   | 335944   | 36.772 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.427 | 198  | 51033    | 46.227 | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 310710   | 49.654 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 97316    | 45.490 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 102444   | 42.971 | ng    | 99       |
| 69) Atrazine                  | 11.016 | 200  | 96555    | 60.329 | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 96443    | 86.789 | ng    | 98       |
| 71) Phenanthrene              | 11.339 | 178  | 425037   | 43.003 | ng    | 99       |
| 72) Anthracene                | 11.386 | 178  | 421695   | 42.128 | ng    | 98       |
| 73) Carbazole                 | 11.551 | 167  | 394040   | 41.753 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 500150   | 43.431 | ng    | 99       |
| 75) Fluoranthene              | 12.539 | 202  | 409454   | 38.729 | ng    | 99       |
| 77) Benzidine                 | 12.663 | 184  | 10906    | 3.492  | ng    | # 1      |
| 78) Pyrene                    | 12.768 | 202  | 422271   | 40.610 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 167179   | 44.185 | ng    | 92       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 366632   | 49.846 | ng    | # 94     |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 80318    | 38.451 | ng    | # 93     |
| 83) Chrysene                  | 14.021 | 228  | 363528   | 50.541 | ng    | # 96     |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 221131   | 46.451 | ng    | # 94     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 383577   | 52.090 | ng    | # 82     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 316485   | 36.106 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.062 | 252  | 334235   | 41.220 | ng    | # 86     |
| 89) Benzo(k)fluoranthene      | 15.092 | 252  | 300286   | 39.192 | ng    | # 84     |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 285400   | 41.698 | ng    | # 83     |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 270374   | 37.598 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 239030   | 32.454 | ng    | 98       |

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

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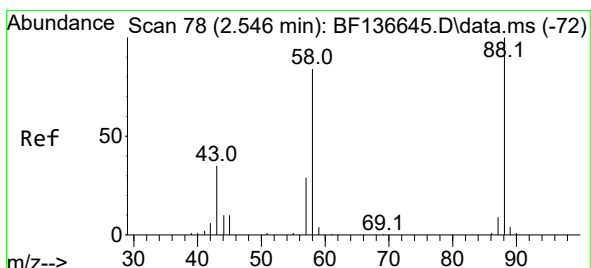
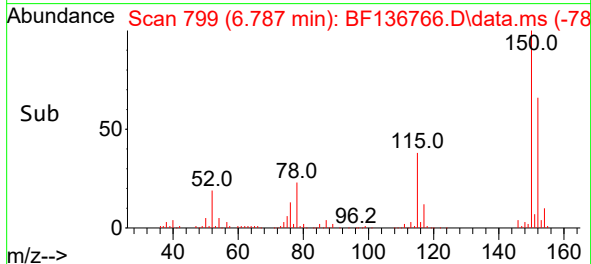
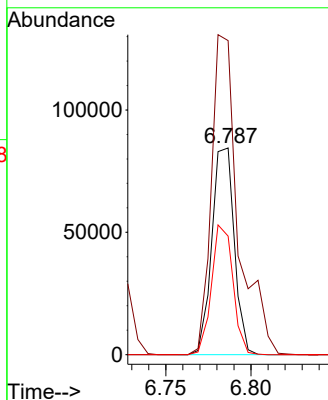
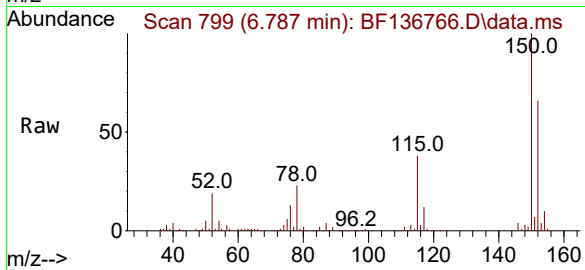




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF136766.D  
 Acq: 27 Dec 2023 19:27

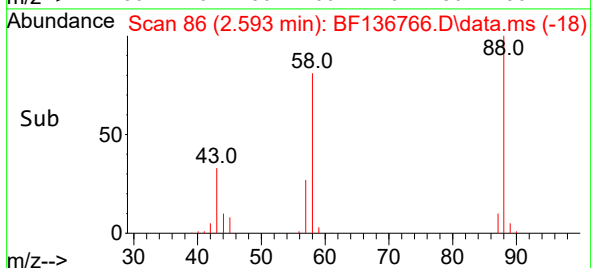
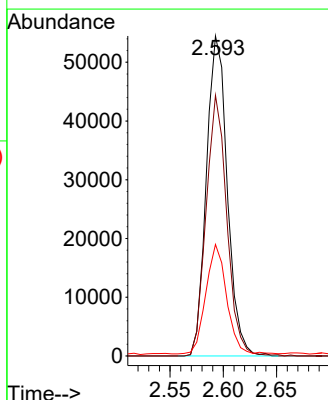
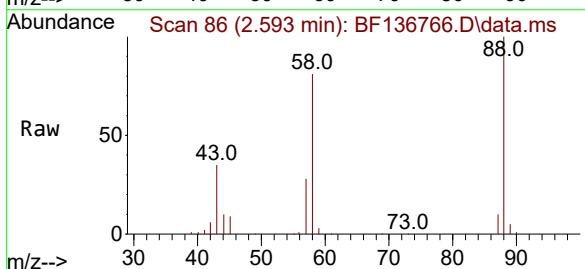
Instrument :  
 BNA\_F  
 ClientSampleId :

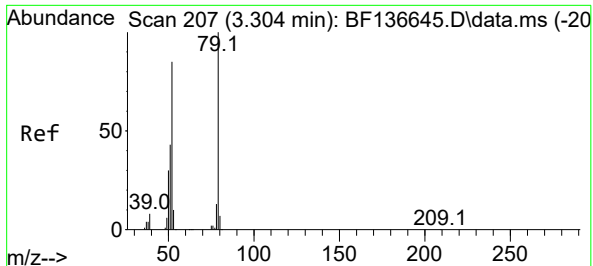
Tgt Ion:152 Resp: 77510  
 Ion Ratio Lower Upper  
 152 100  
 150 152.0 127.0 190.6  
 115 57.3 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 35.991 ng  
 RT: 2.593 min Scan# 86  
 Delta R.T. 0.047 min  
 Lab File: BF136766.D  
 Acq: 27 Dec 2023 19:27

Tgt Ion: 88 Resp: 74495  
 Ion Ratio Lower Upper  
 88 100  
 58 80.7 67.4 101.0  
 43 33.9 27.7 41.5

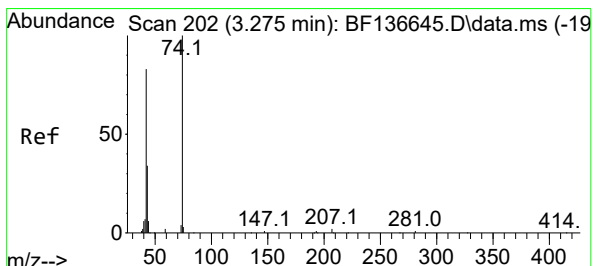
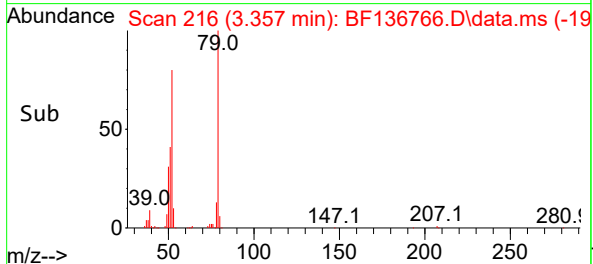
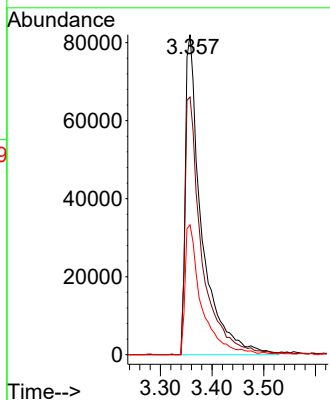
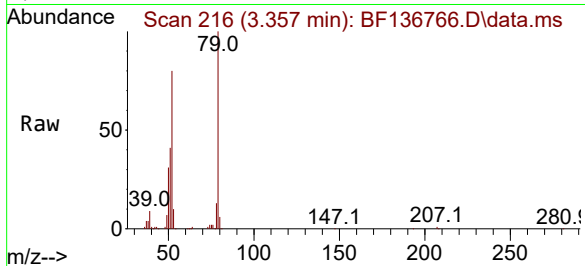




#3  
Pyridine  
Concen: 35.520 ng  
RT: 3.357 min Scan# 210  
Delta R.T. 0.053 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

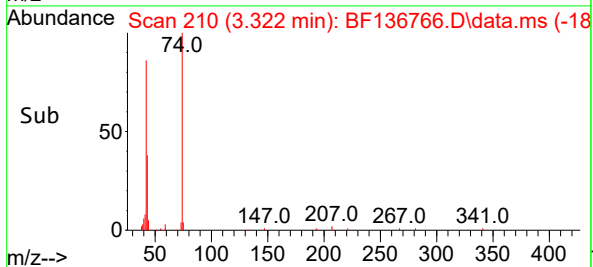
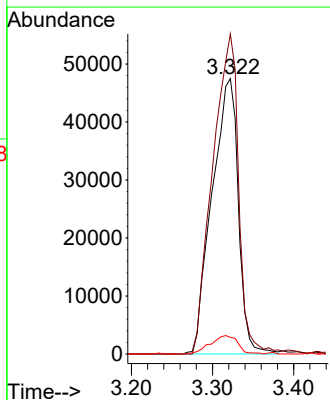
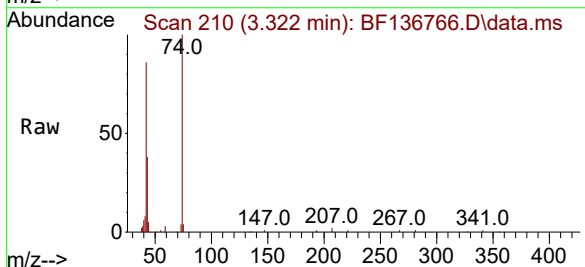
Instrument :  
BNA\_F  
ClientSampleId :

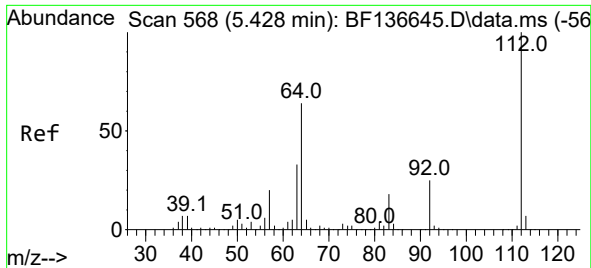
Tgt Ion: 79 Resp: 179382  
Ion Ratio Lower Upper  
79 100  
52 80.5 67.7 101.5  
51 40.6 34.0 51.0



#4  
n-Nitrosodimethylamine  
Concen: 39.581 ng  
RT: 3.322 min Scan# 210  
Delta R.T. 0.047 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion: 42 Resp: 106745  
Ion Ratio Lower Upper  
42 100  
74 116.2 96.0 144.0  
44 6.1 5.4 8.2

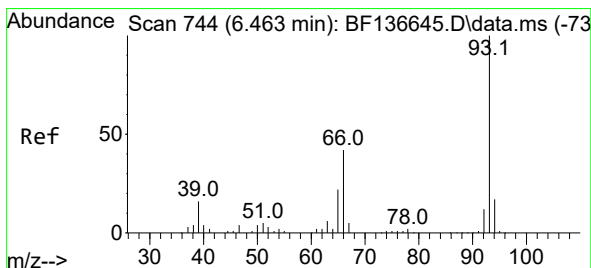
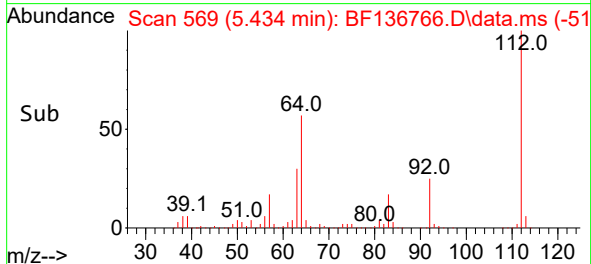
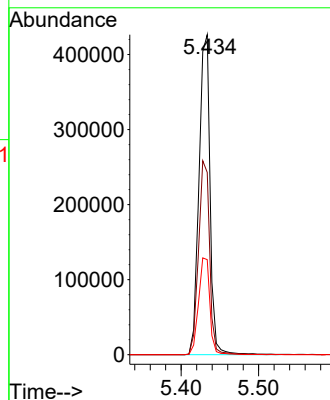
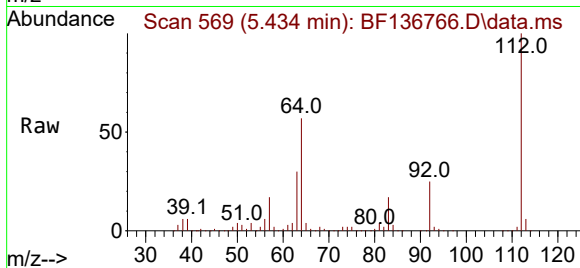




#5  
2-Fluorophenol  
Concen: 84.903 ng  
RT: 5.434 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

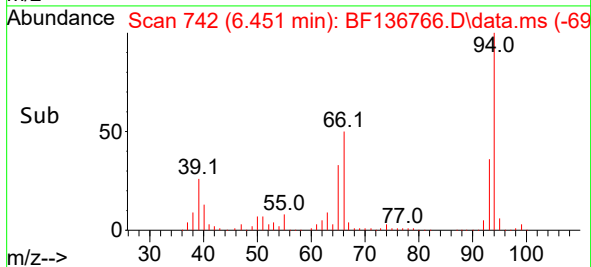
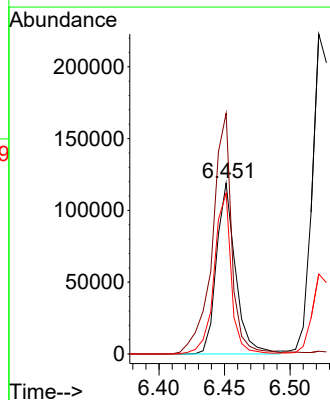
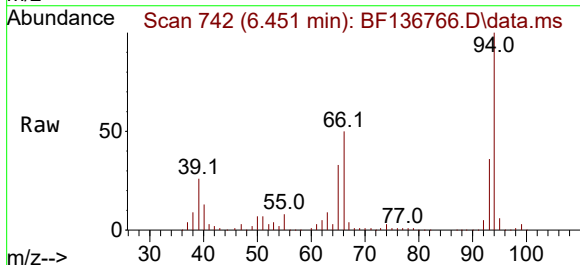
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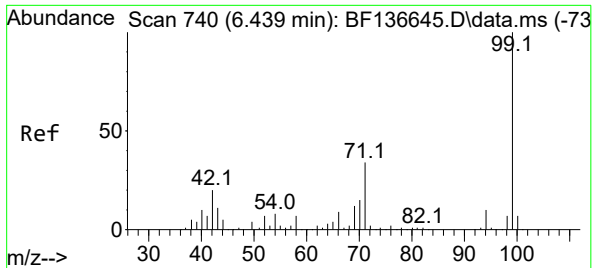
Tgt Ion:112 Resp: 421772  
Ion Ratio Lower Upper  
112 100  
64 57.0 51.1 76.7  
63 29.7 26.1 39.1



#6  
Aniline  
Concen: 18.574 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
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Tgt Ion: 93 Resp: 119538  
Ion Ratio Lower Upper  
93 100  
66 140.9 34.6 51.8#  
65 94.2 17.8 26.8#

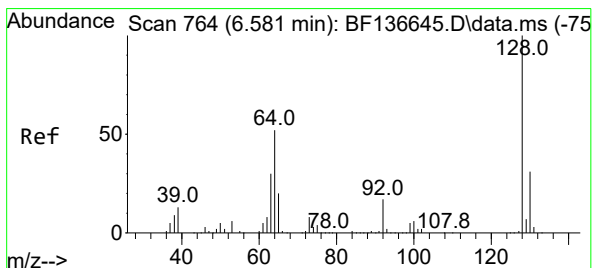
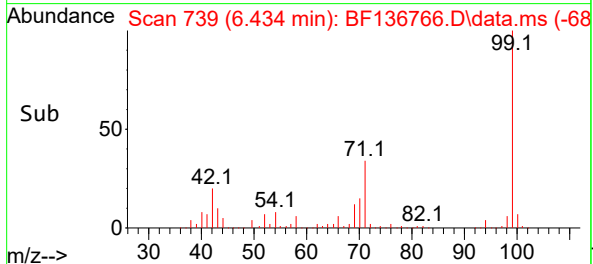
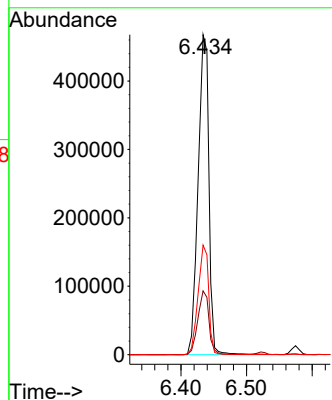
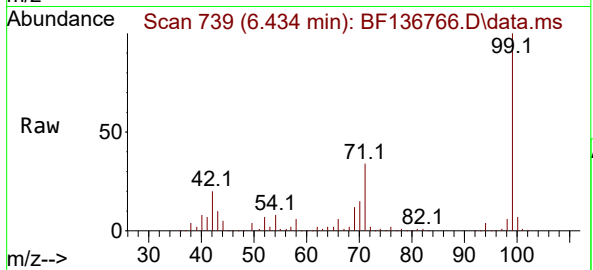




#7  
Phenol-d6  
Concen: 83.261 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

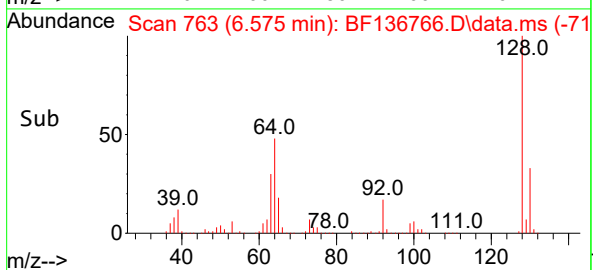
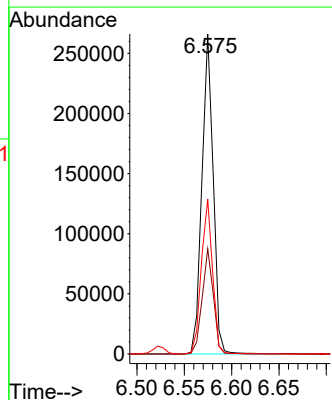
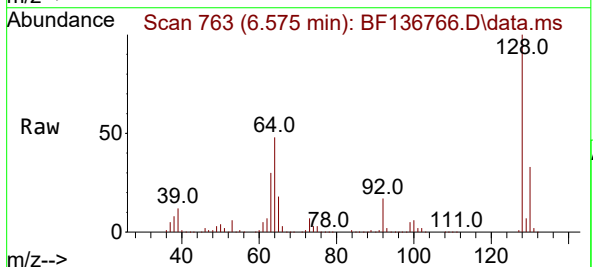
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BNA\_F  
ClientSampleId :

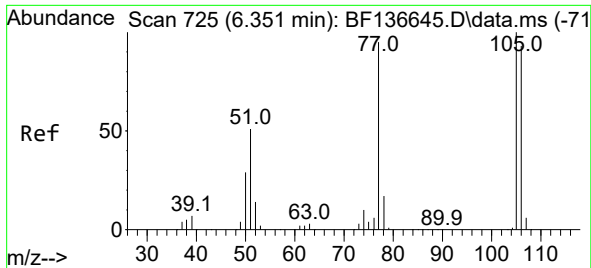
Tgt Ion: 99 Resp: 535944  
Ion Ratio Lower Upper  
99 100  
42 20.0 16.1 24.1  
71 34.2 27.4 41.2



#8  
2-Chlorophenol  
Concen: 40.735 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:128 Resp: 221447  
Ion Ratio Lower Upper  
128 100  
130 32.9 11.3 51.3  
64 48.4 32.5 72.5

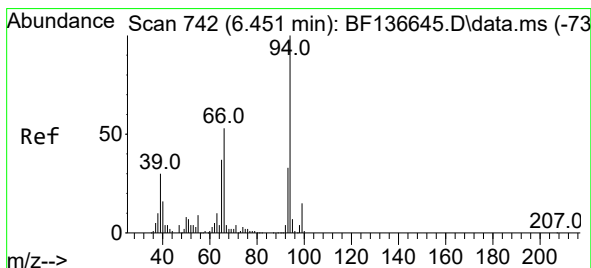
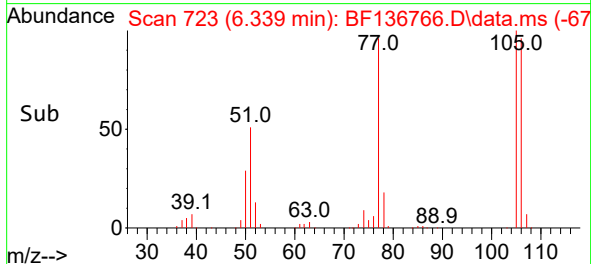
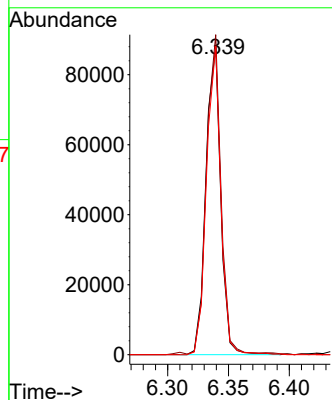
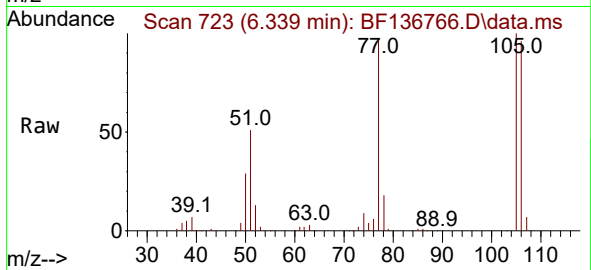




#9  
Benzaldehyde  
Concen: 20.207 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

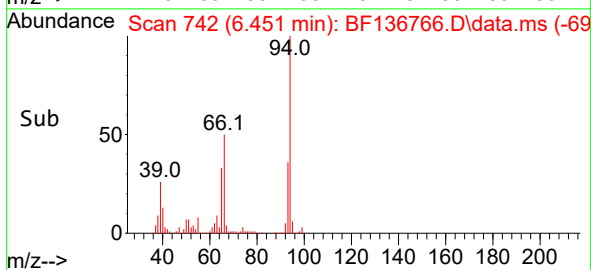
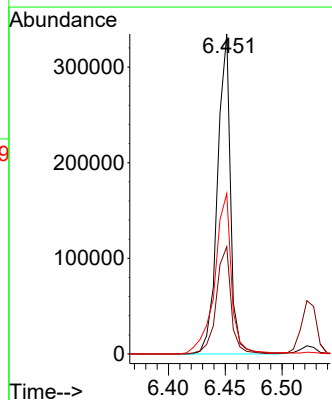
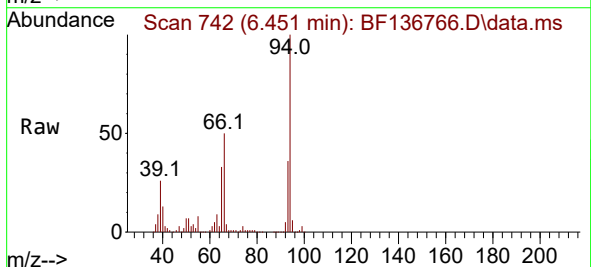
Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion: 77 Resp: 73985  
Ion Ratio Lower Upper  
77 100  
105 104.1 84.8 124.8  
106 100.4 77.8 117.8

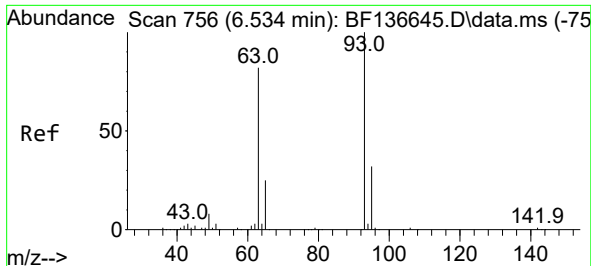


#10  
Phenol  
Concen: 38.859 ng  
RT: 6.451 min Scan# 742  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion: 94 Resp: 267019  
Ion Ratio Lower Upper  
94 100  
65 33.5 16.6 56.6  
66 50.1 32.6 72.6

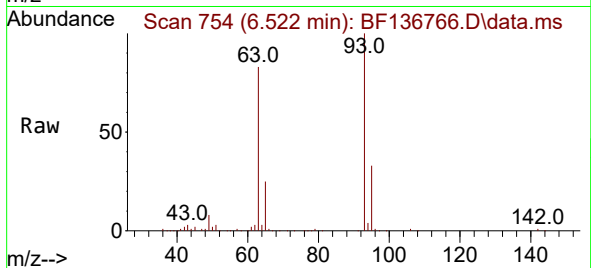




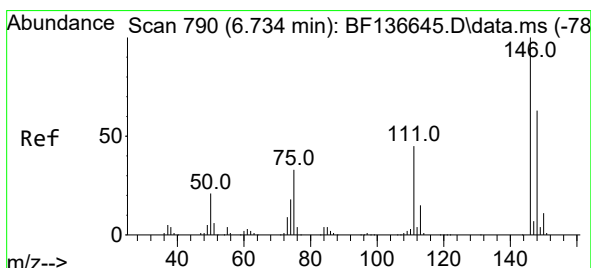
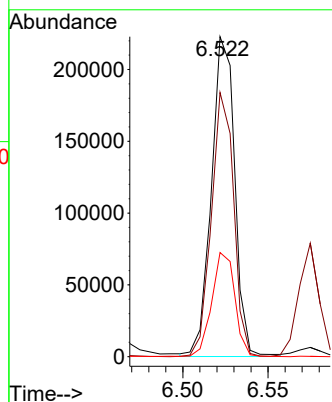
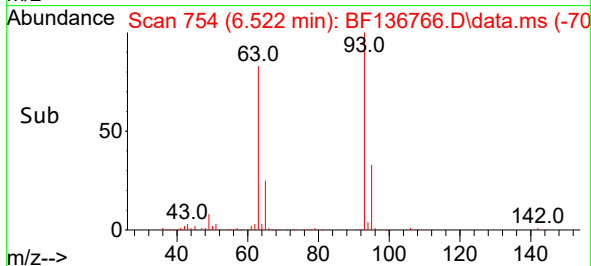


#11  
bis(2-Chloroethyl)ether  
Concen: 40.570 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

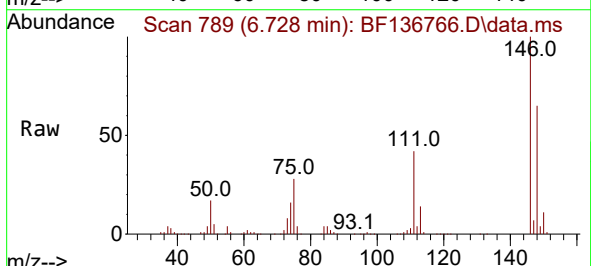
Instrument :  
BNA\_F  
ClientSampleId :



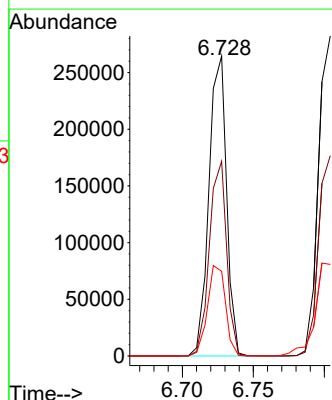
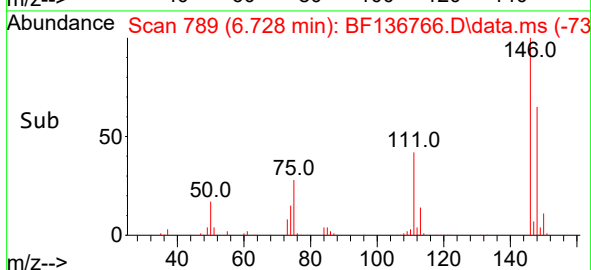
Tgt Ion: 93 Resp: 212003  
Ion Ratio Lower Upper  
93 100  
63 82.5 61.2 101.2  
95 32.6 11.6 51.6

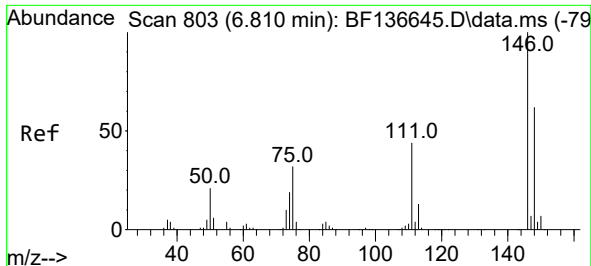


#12  
1,3-Dichlorobenzene  
Concen: 38.534 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



Tgt Ion: 146 Resp: 228522  
Ion Ratio Lower Upper  
146 100  
148 64.9 50.5 75.7  
75 28.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 38.424 ng

RT: 6.804 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

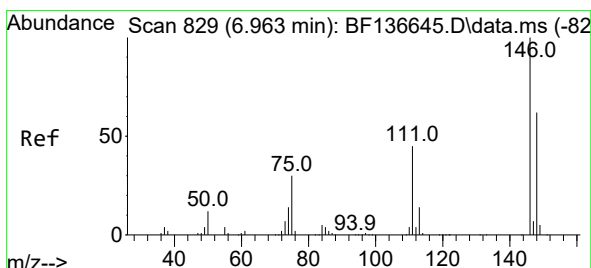
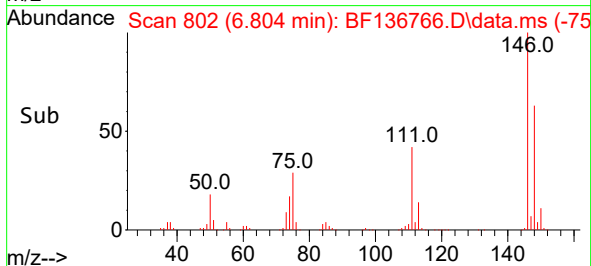
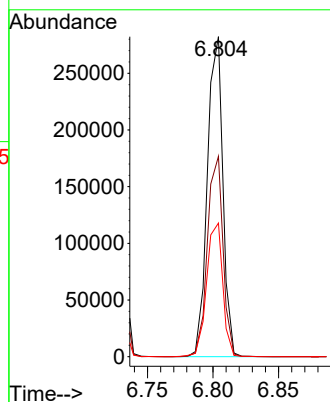
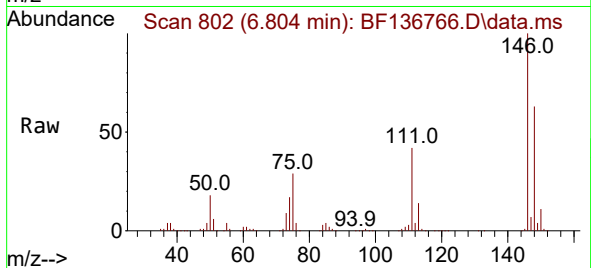
Tgt Ion:146 Resp: 232830

Ion Ratio Lower Upper

146 100

148 62.6 49.2 73.8

111 41.7 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 39.039 ng

RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

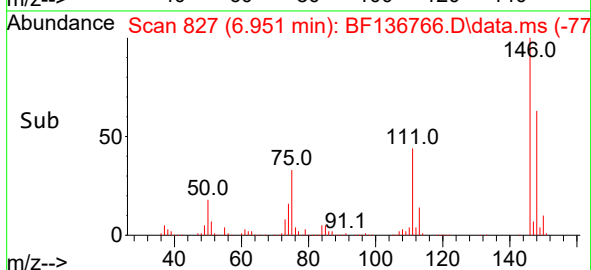
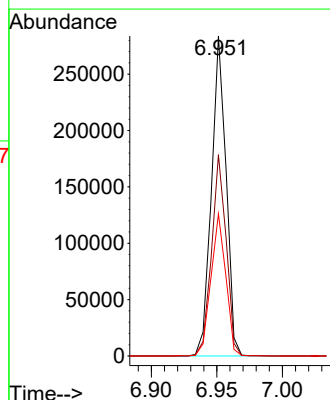
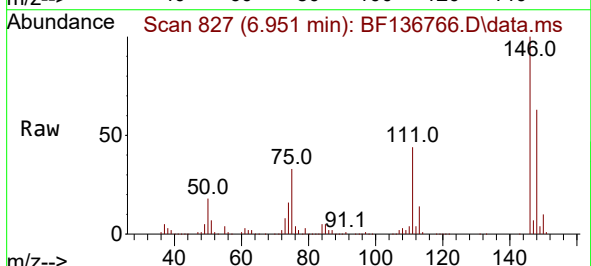
Tgt Ion:146 Resp: 220121

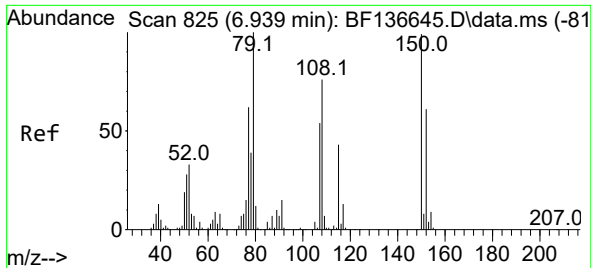
Ion Ratio Lower Upper

146 100

148 62.9 49.6 74.4

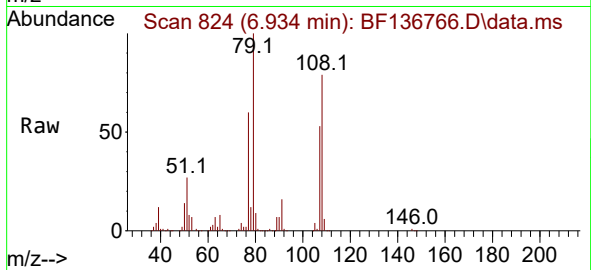
111 44.4 36.2 54.2



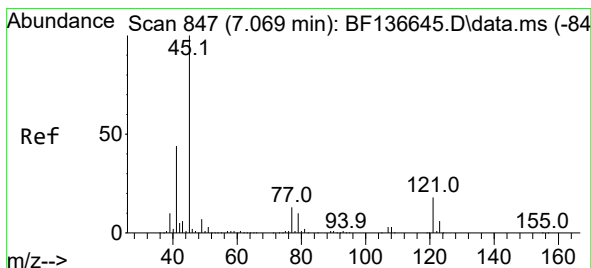
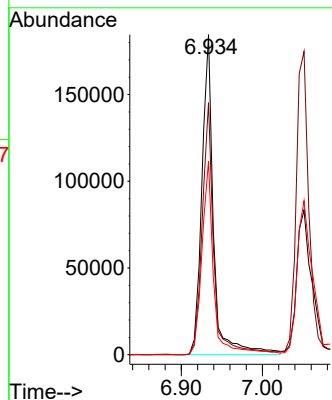
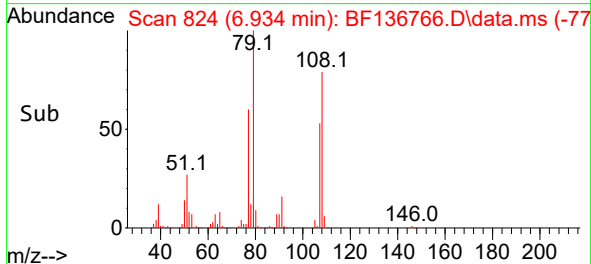


#15  
Benzyl Alcohol  
Concen: 42.467 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

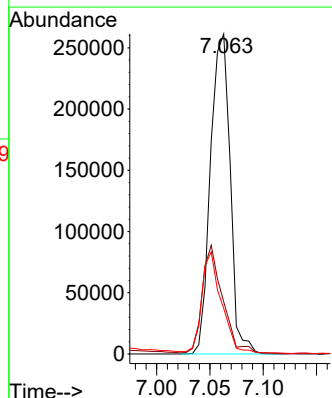
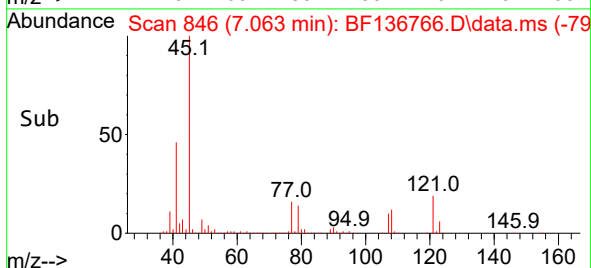
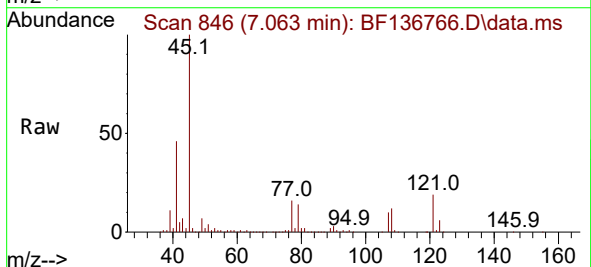


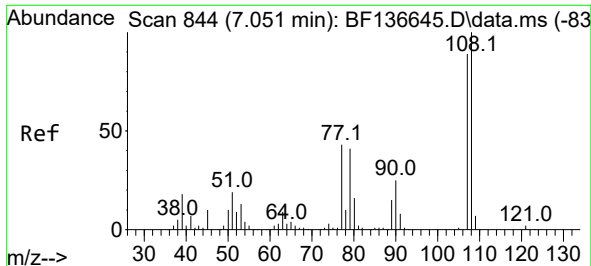
Tgt Ion: 79 Resp: 184418  
Ion Ratio Lower Upper  
79 100  
108 78.7 61.0 91.6  
77 60.4 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.161 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

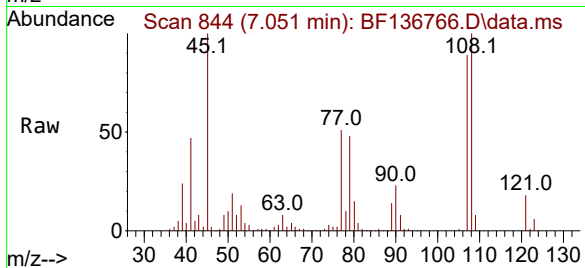
Tgt Ion: 45 Resp: 334572  
Ion Ratio Lower Upper  
45 100  
77 16.3 0.0 34.3  
79 14.2 0.0 31.4



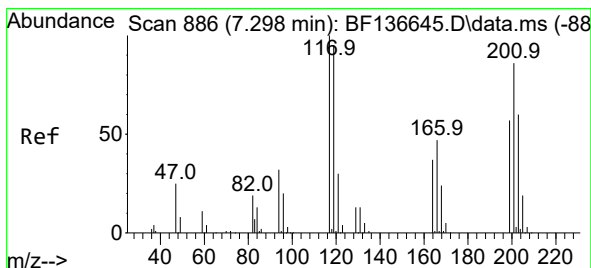
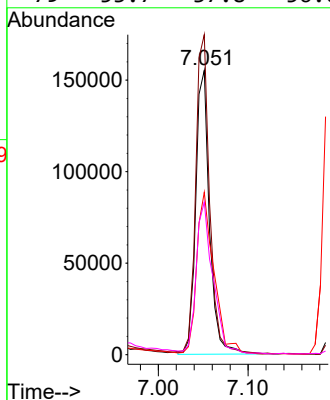
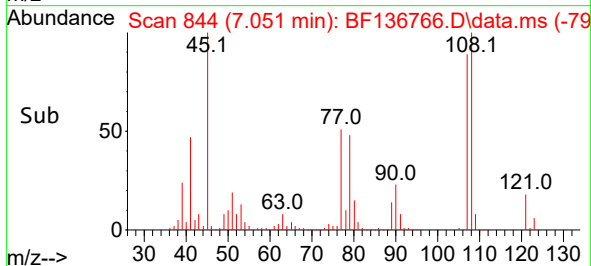


#17  
2-Methylphenol  
Concen: 36.743 ng  
RT: 7.051 min Scan# 844  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

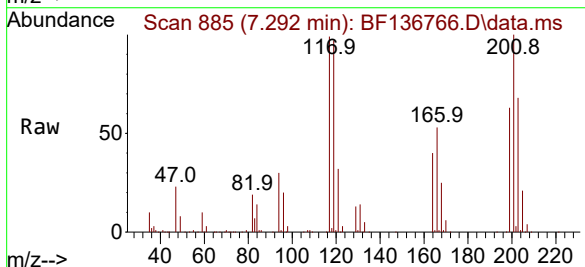
Instrument :  
BNA\_F  
ClientSampleId :



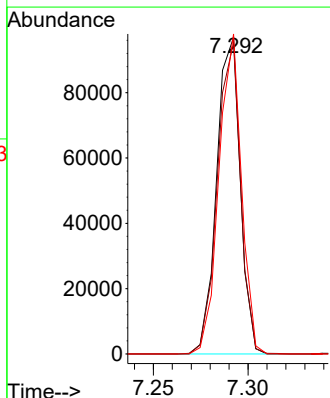
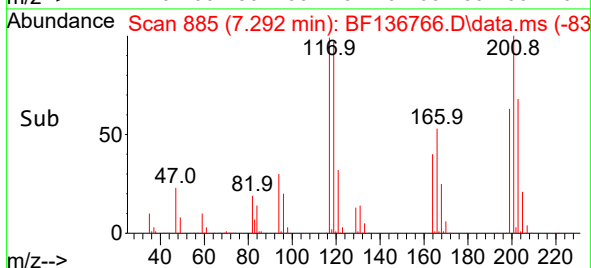
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 165474 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.5 | 90.3  | 135.5  |
| 77       | 57.1  | 38.7  | 58.1   |
| 79       | 53.7  | 37.8  | 56.6   |

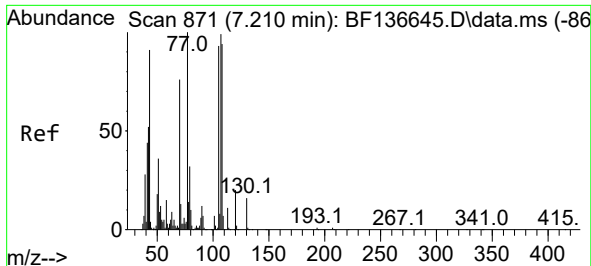


#18  
Hexachloroethane  
Concen: 38.223 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



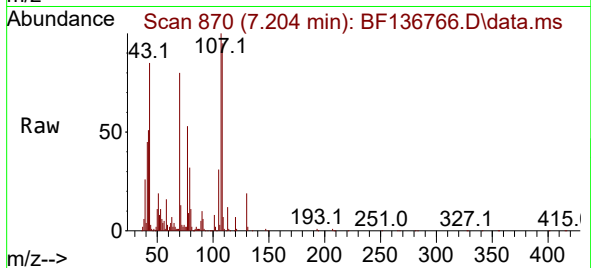
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 84116 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 98.3  | 75.8  | 113.6 |
| 201      | 101.0 | 69.1  | 103.7 |



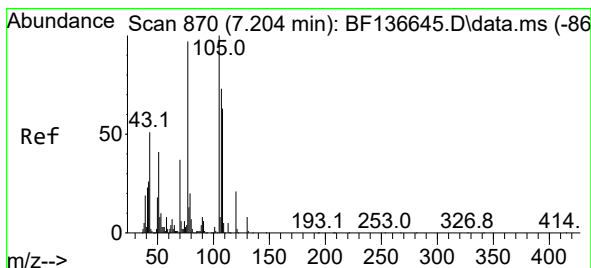
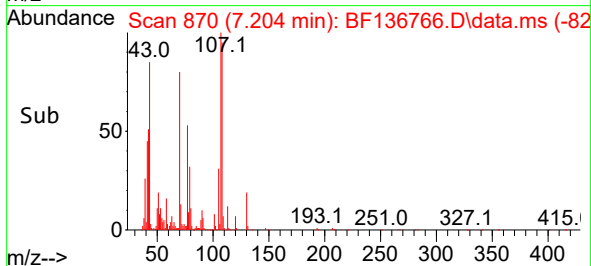
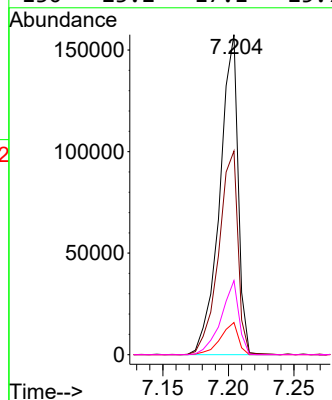


#19  
n-Nitroso-di-n-propylamine  
Concen: 39.308 ng  
RT: 7.204 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

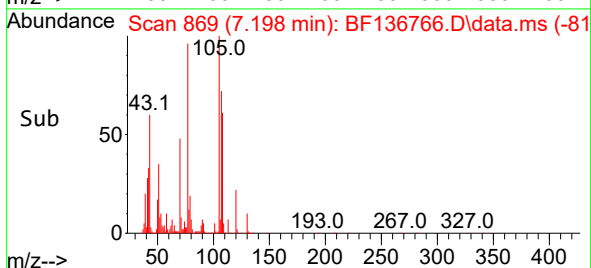
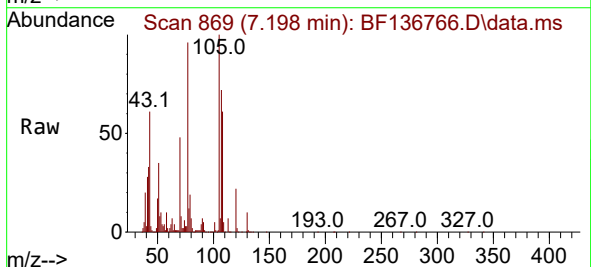
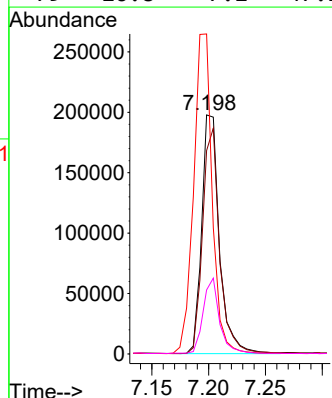


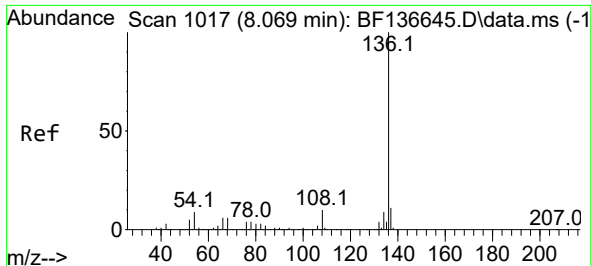
Tgt Ion: 70 Resp: 153380  
Ion Ratio Lower Upper  
70 100  
42 63.7 54.2 81.4  
101 10.1 7.6 11.4  
130 23.2 17.1 25.7



#20  
3+4-Methylphenols  
Concen: 37.933 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

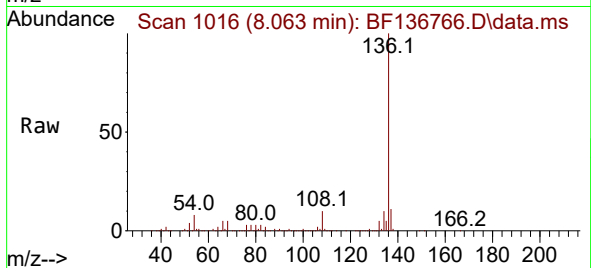
Tgt Ion: 107 Resp: 213425  
Ion Ratio Lower Upper  
107 100  
108 85.1 66.0 106.0  
77 133.9 114.2 154.2  
79 26.8 7.2 47.2



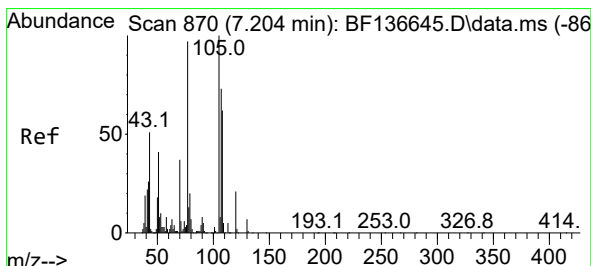
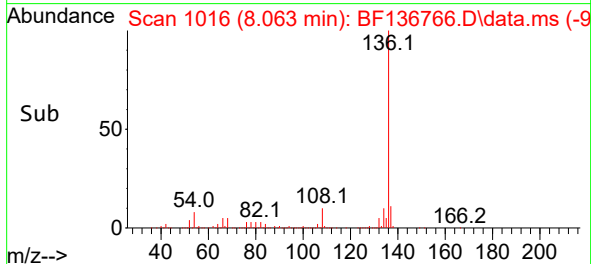
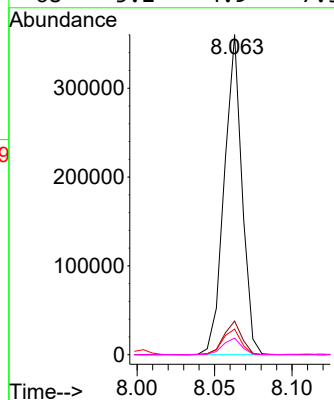


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

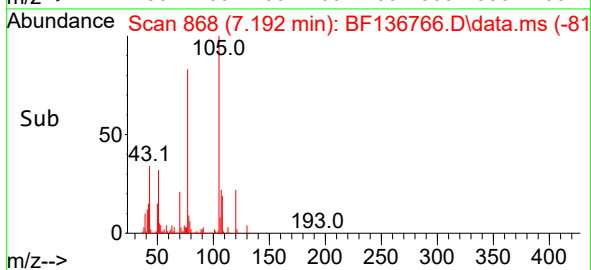
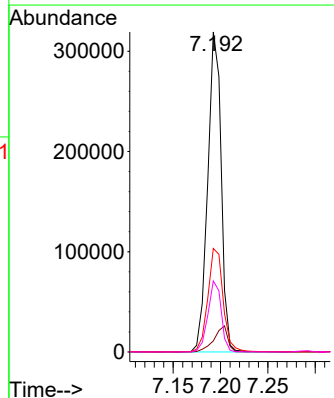
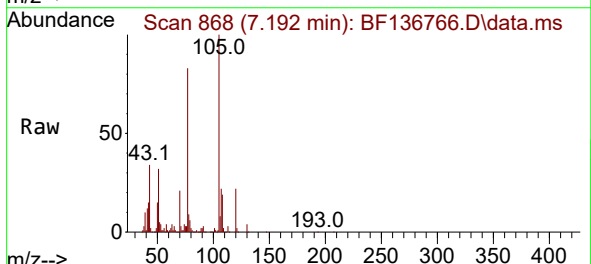


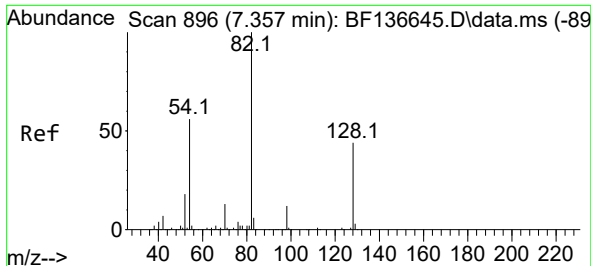
Tgt Ion:136 Resp: 286721  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.0 13.4  
54 8.0 7.2 10.8  
68 5.2 4.9 7.3



#22  
Acetophenone  
Concen: 43.760 ng  
RT: 7.192 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:105 Resp: 314486  
Ion Ratio Lower Upper  
105 100  
71 3.5 4.8 7.2#  
51 32.4 32.8 49.2#  
120 22.2 17.0 25.6





#23

Nitrobenzene-d5

Concen: 60.954 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.006 min

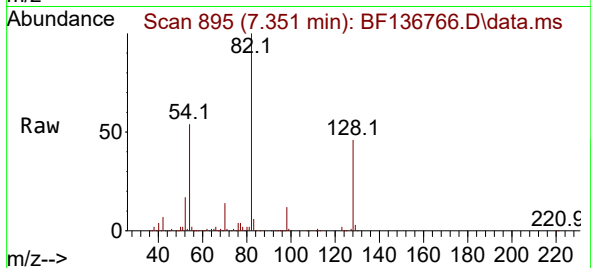
Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :



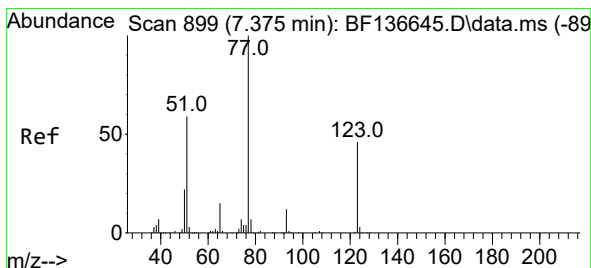
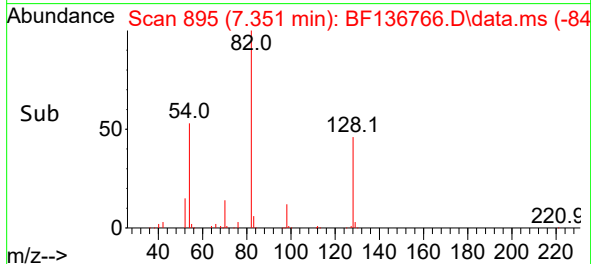
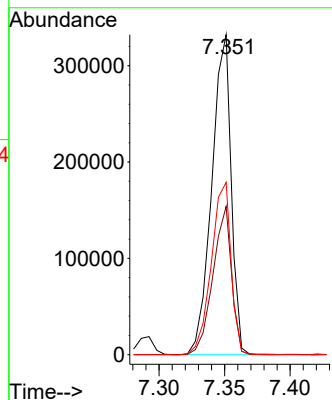
Tgt Ion: 82 Resp: 341536

Ion Ratio Lower Upper

82 100

128 46.3 35.3 52.9

54 53.8 44.5 66.7



#24

Nitrobenzene

Concen: 40.100 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

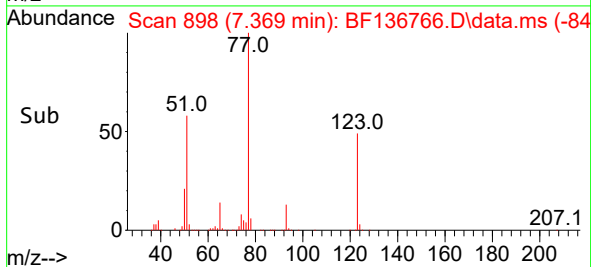
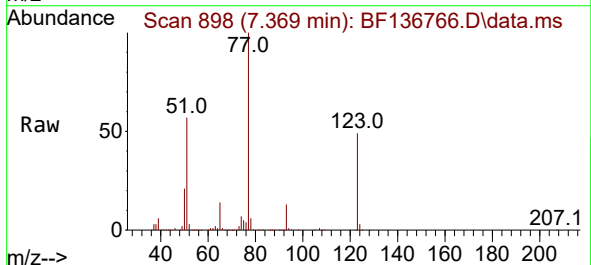
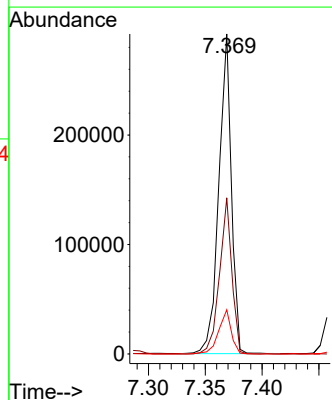
Tgt Ion: 77 Resp: 225077

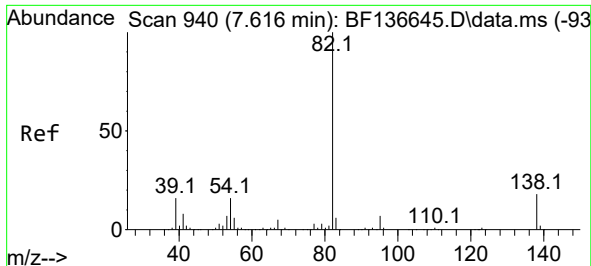
Ion Ratio Lower Upper

77 100

123 48.8 36.7 55.1

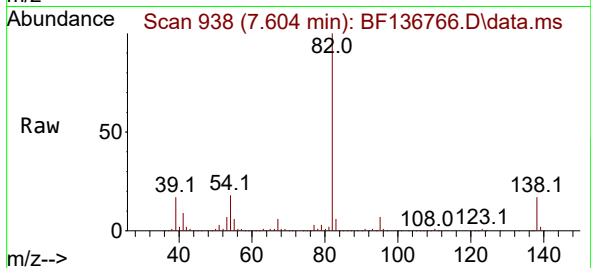
65 13.8 11.8 17.6



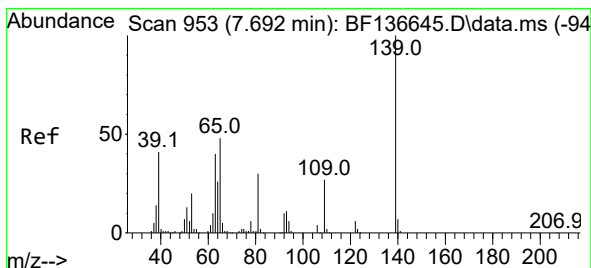
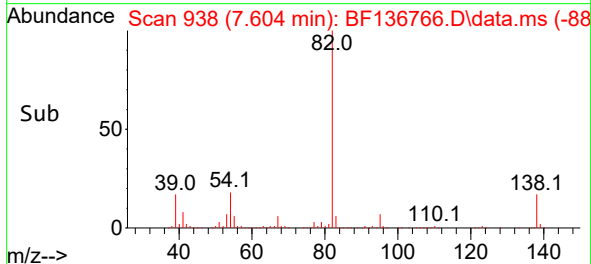
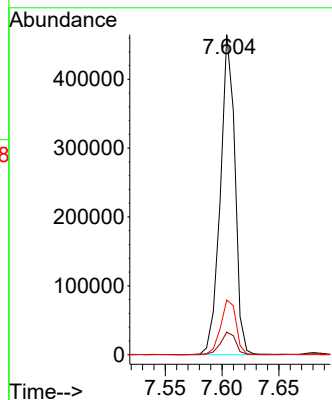


#25  
Isophorone  
Concen: 40.817 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

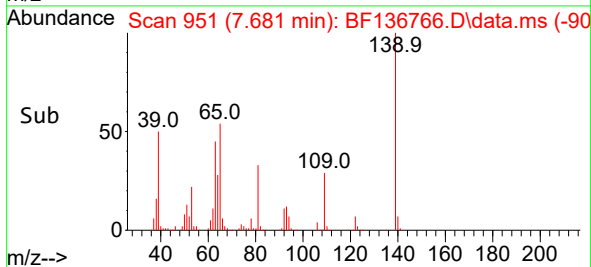
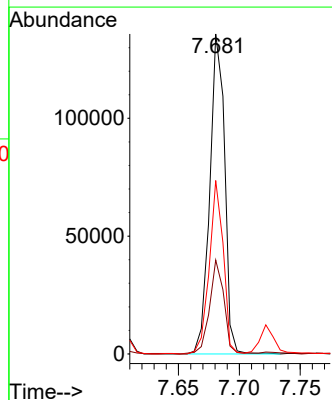
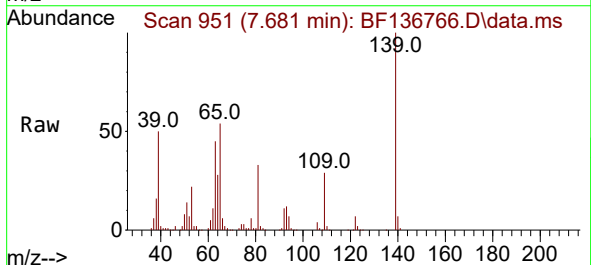


Tgt Ion: 82 Resp: 416154  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 17.1 14.5 21.7

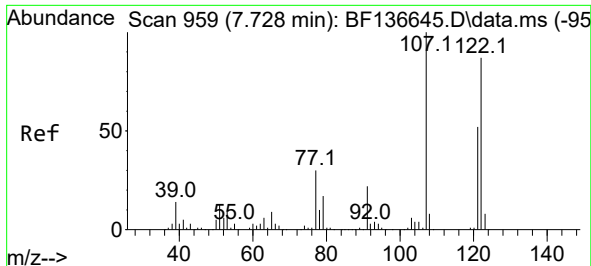


#26  
2-Nitrophenol  
Concen: 43.092 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:139 Resp: 115722  
Ion Ratio Lower Upper  
139 100  
109 29.4 21.9 32.9  
65 54.2 38.6 58.0

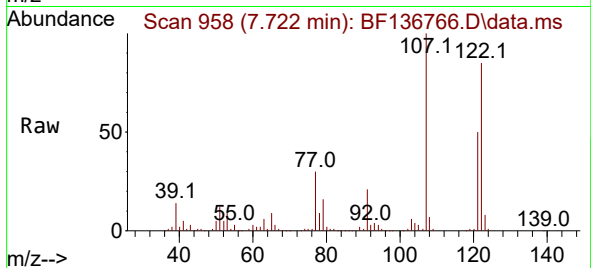




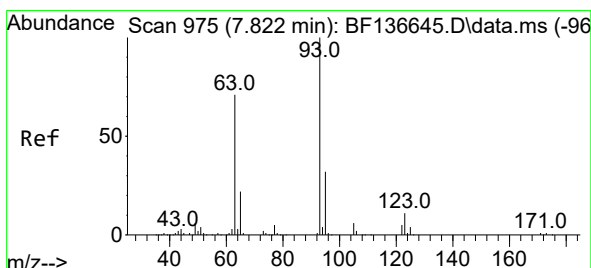
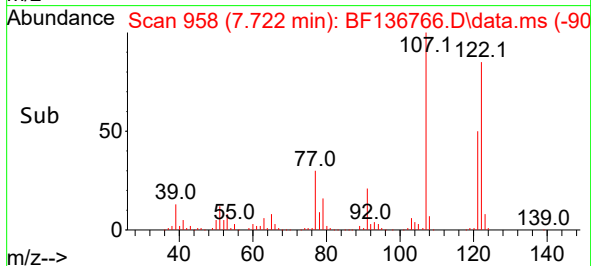
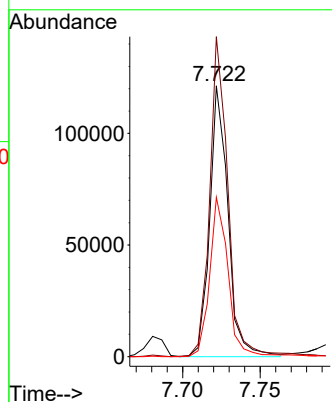


#27  
2,4-Dimethylphenol  
Concen: 30.390 ng  
RT: 7.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

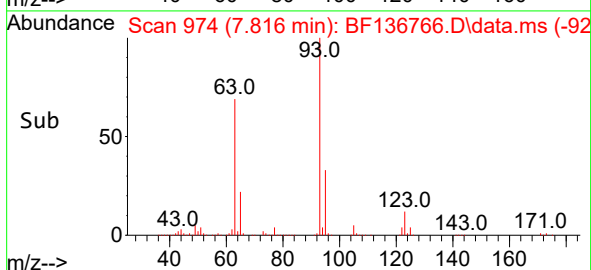
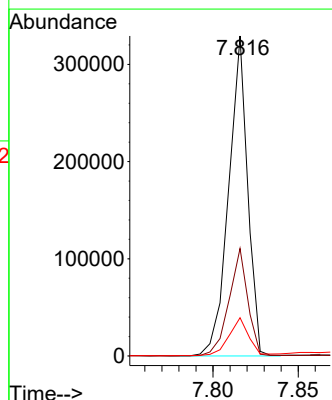
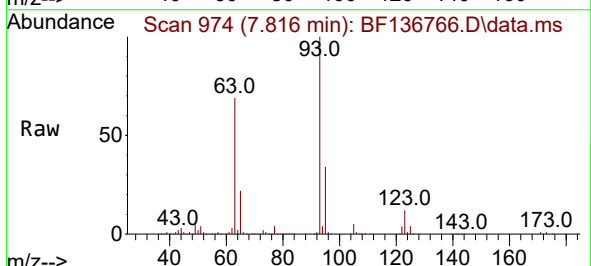


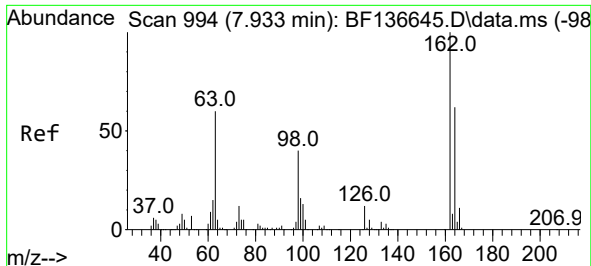
Tgt Ion:122 Resp: 99356  
Ion Ratio Lower Upper  
122 100  
107 118.1 92.0 138.0  
121 58.9 47.5 71.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.255 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion: 93 Resp: 255674  
Ion Ratio Lower Upper  
93 100  
95 33.6 25.5 38.3  
123 11.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 42.126 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

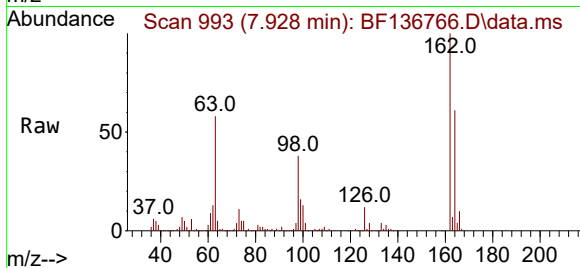
Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :



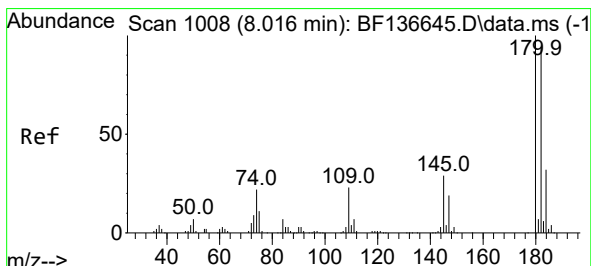
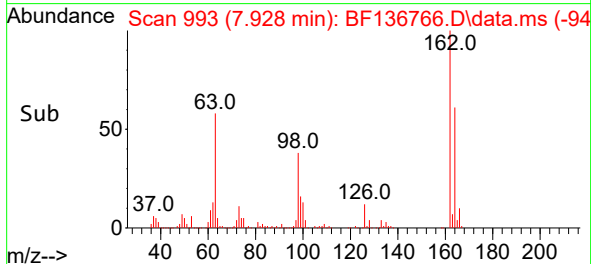
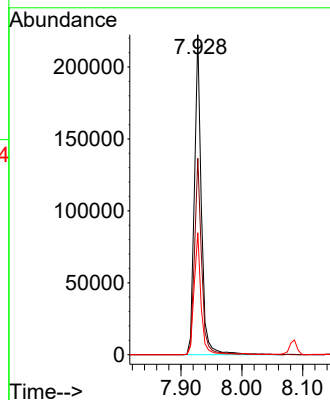
Tgt Ion:162 Resp: 177312

Ion Ratio Lower Upper

162 100

164 61.4 41.7 81.7

98 38.1 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 40.118 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.012 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

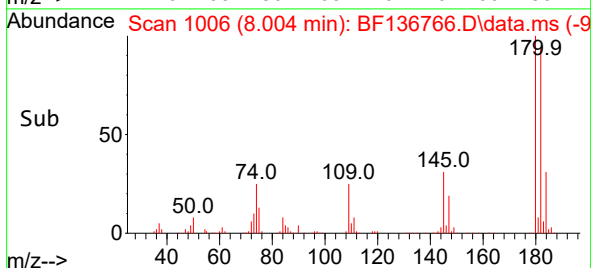
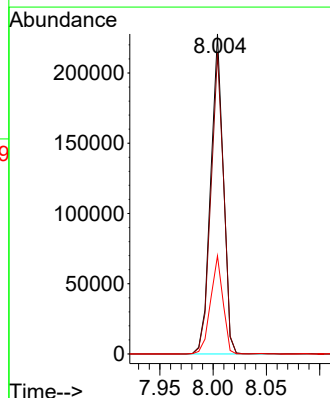
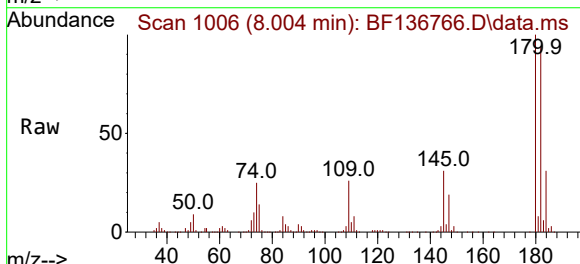
Tgt Ion:180 Resp: 188143

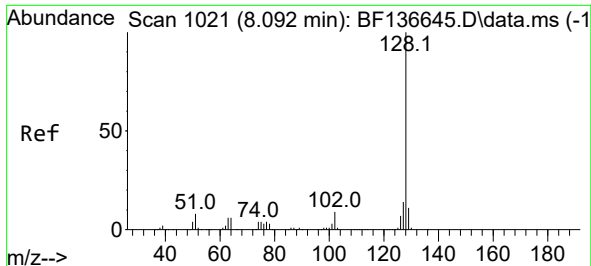
Ion Ratio Lower Upper

180 100

182 93.9 75.4 113.0

145 30.6 23.1 34.7





#31

Naphthalene

Concen: 39.454 ng

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

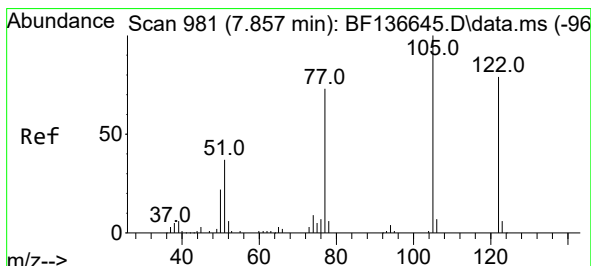
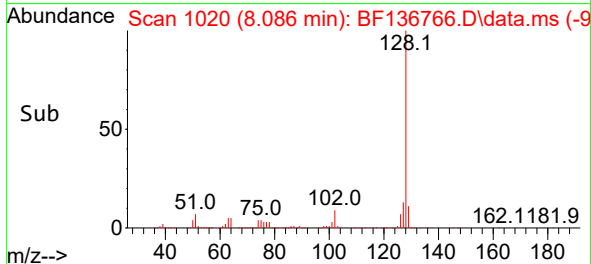
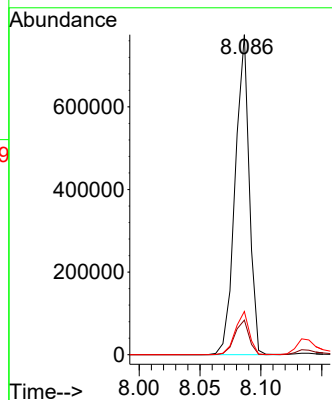
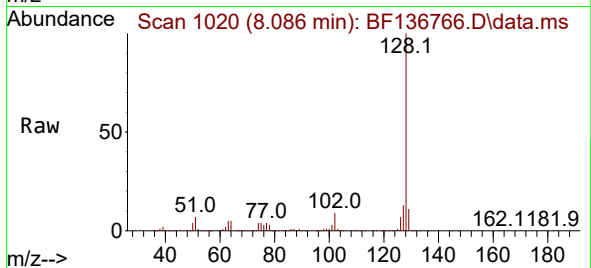
Tgt Ion:128 Resp: 621474

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 43.139 ng

RT: 7.869 min Scan# 983

Delta R.T. 0.012 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

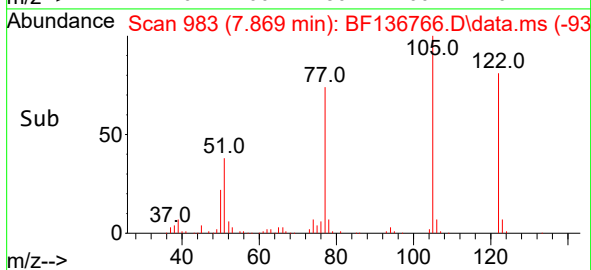
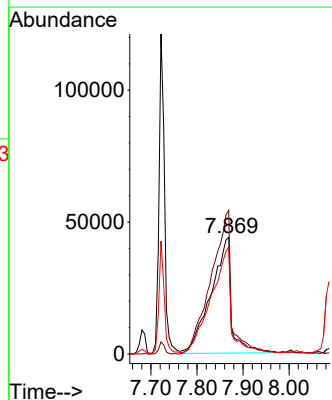
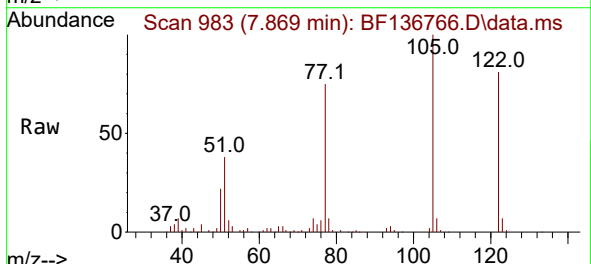
Tgt Ion:122 Resp: 136464

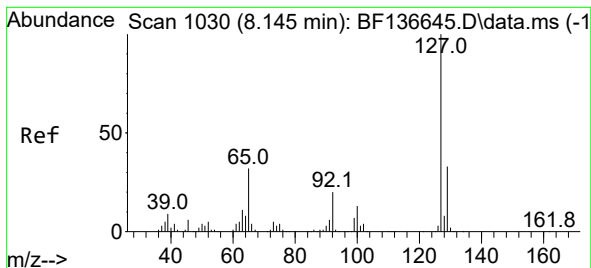
Ion Ratio Lower Upper

122 100

105 123.2 100.8 140.8

77 92.0 70.9 110.9





#33

4-Chloroaniline

Concen: 9.758 ng

RT: 8.133 min Scan# 1028

Delta R.T. -0.012 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

Tgt Ion:127 Resp: 56753

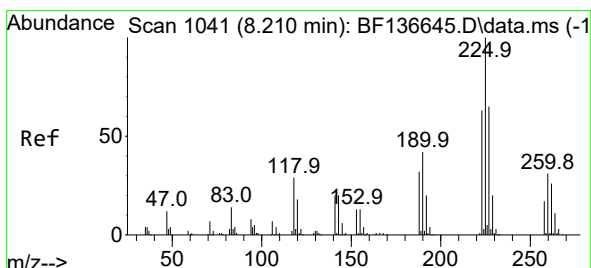
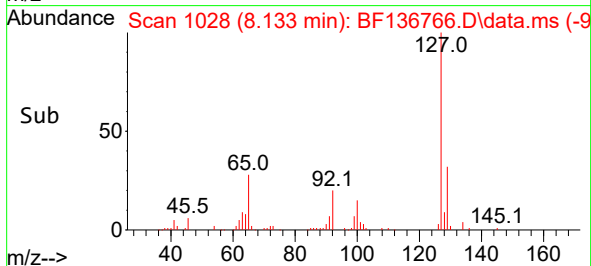
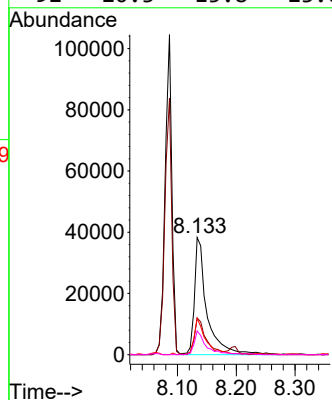
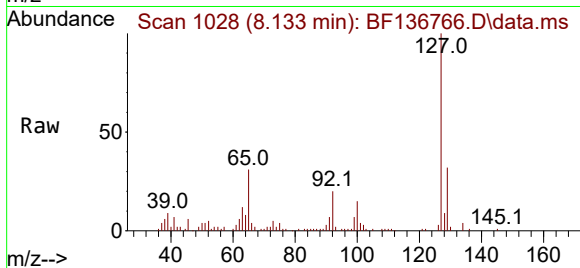
Ion Ratio Lower Upper

127 100

129 31.5 26.3 39.5

65 31.0 25.8 38.8

92 20.3 15.8 23.6



#34

Hexachlorobutadiene

Concen: 39.900 ng

RT: 8.198 min Scan# 1039

Delta R.T. -0.012 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

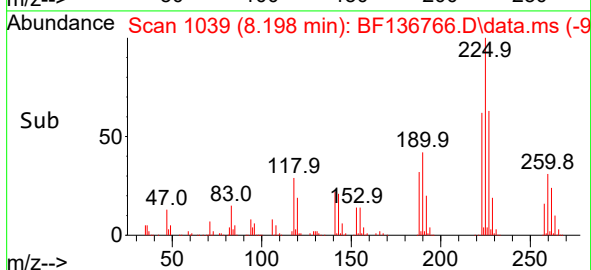
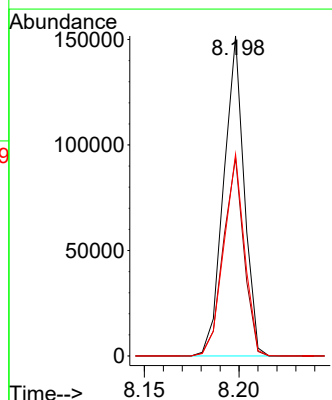
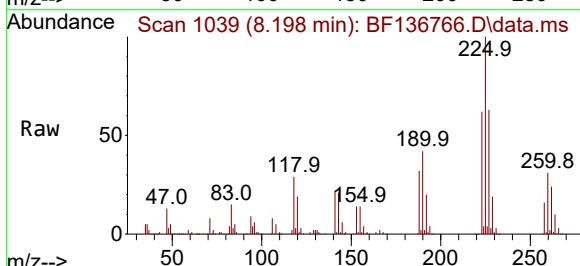
Tgt Ion:225 Resp: 113687

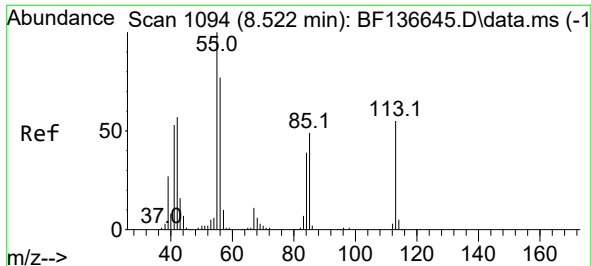
Ion Ratio Lower Upper

225 100

223 62.0 50.6 76.0

227 63.1 51.9 77.9

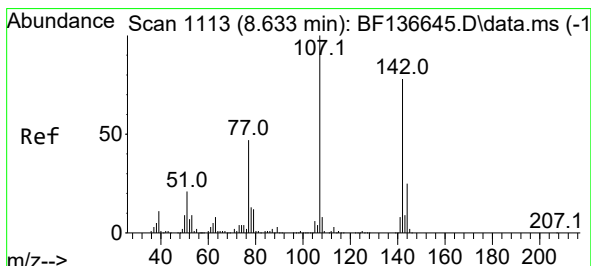
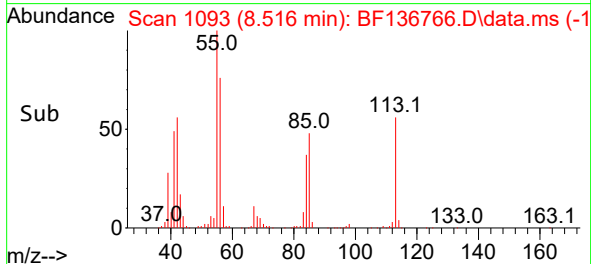
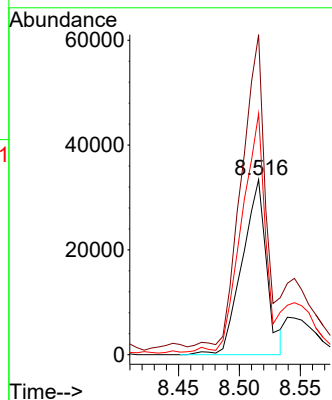
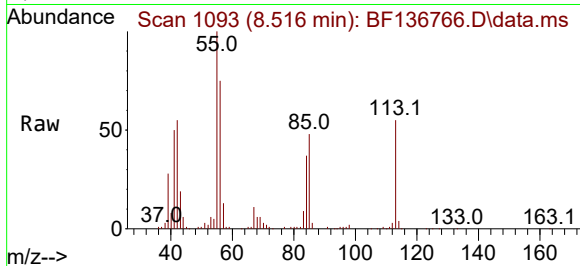




#35  
Caprolactam  
Concen: 33.328 ng  
RT: 8.516 min Scan# 1093  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

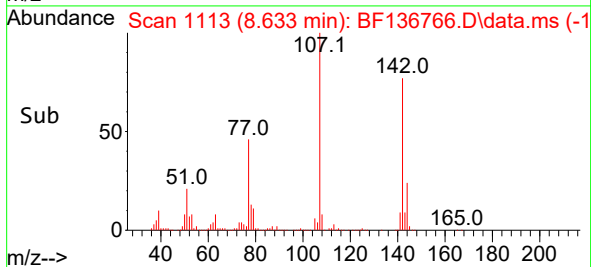
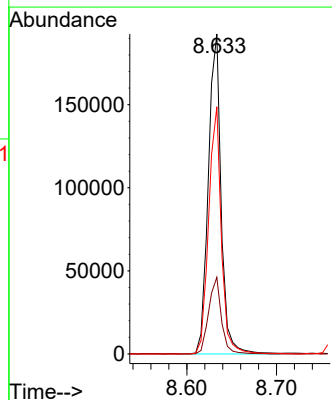
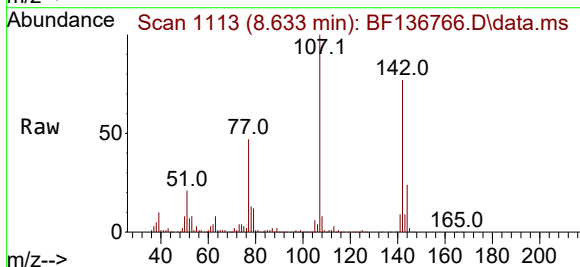
Instrument :  
BNA\_F  
ClientSampleId :

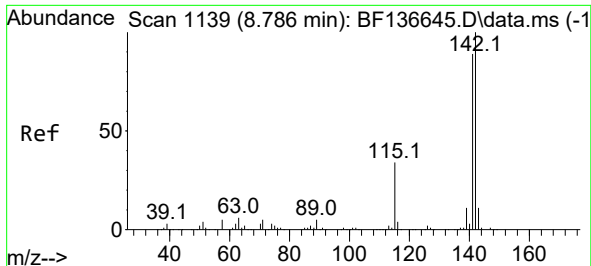
Tgt Ion:113 Resp: 46277  
Ion Ratio Lower Upper  
113 100  
55 182.9 163.1 203.1  
56 137.8 121.7 161.7



#36  
4-Chloro-3-methylphenol  
Concen: 40.267 ng  
RT: 8.633 min Scan# 1113  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:107 Resp: 190803  
Ion Ratio Lower Upper  
107 100  
144 24.0 20.2 30.2  
142 77.3 62.3 93.5

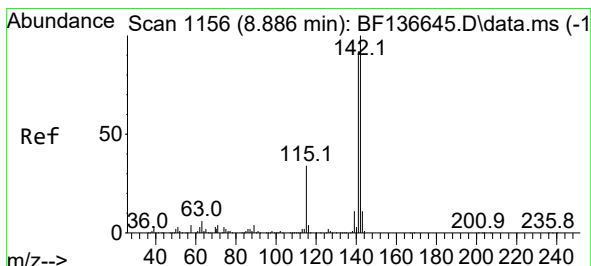
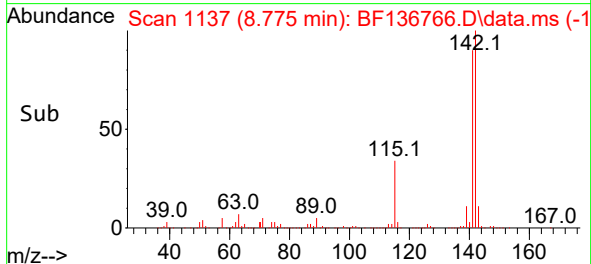
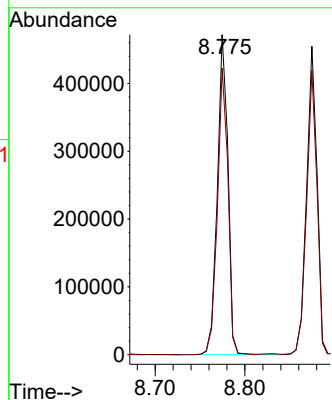
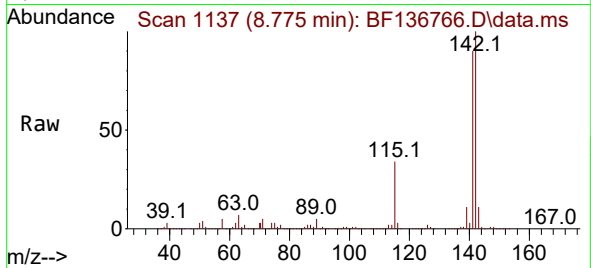




#37  
2-Methylnaphthalene  
Concen: 38.177 ng  
RT: 8.775 min Scan# 1137  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

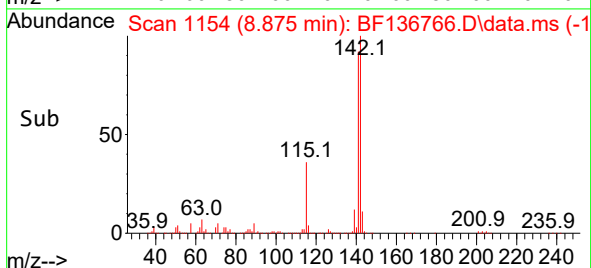
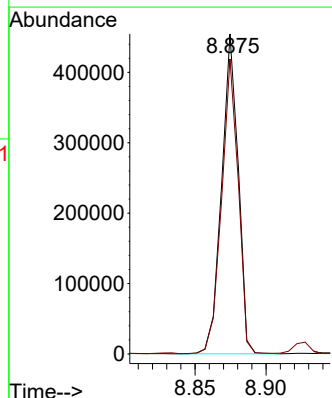
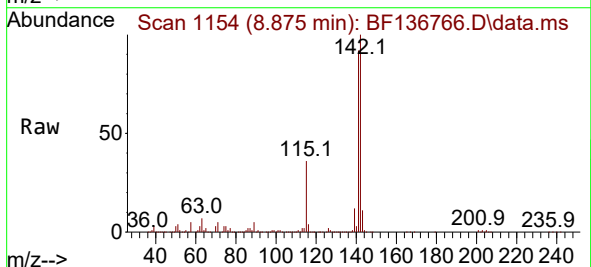
Instrument :  
BNA\_F  
ClientSampleId :

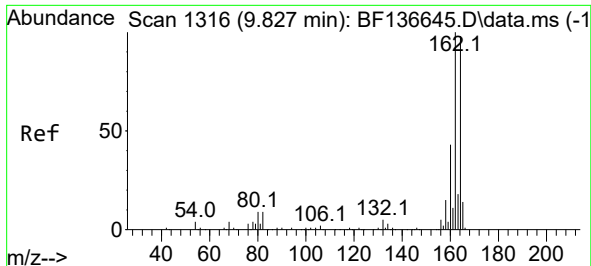
Tgt Ion:142 Resp: 387012  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 36.979 ng  
RT: 8.875 min Scan# 1154  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

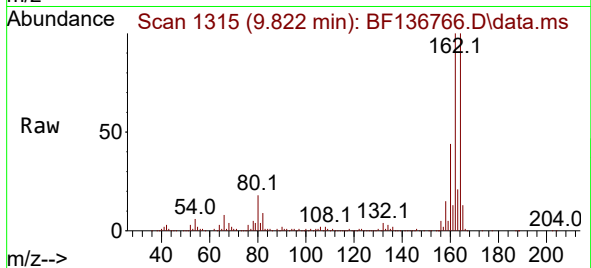
Tgt Ion:142 Resp: 367774  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.6 110.4



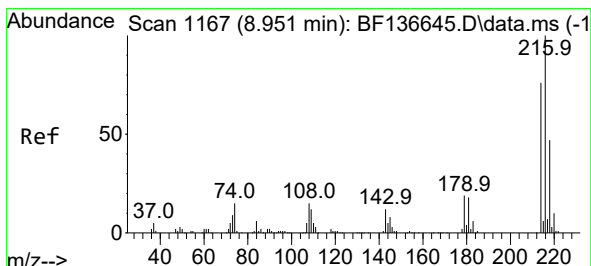
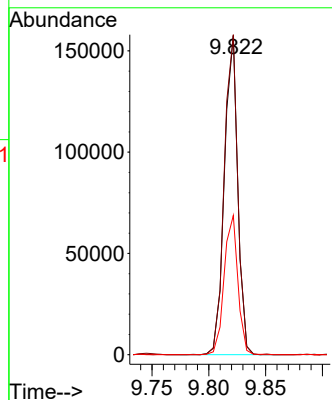
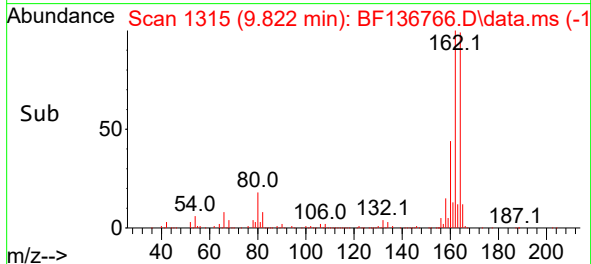


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.822 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

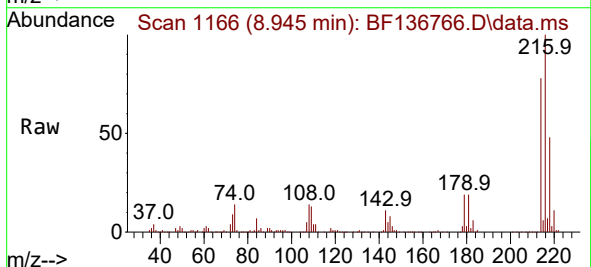
Instrument :  
BNA\_F  
ClientSampleId :



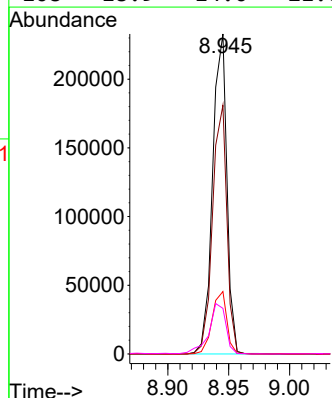
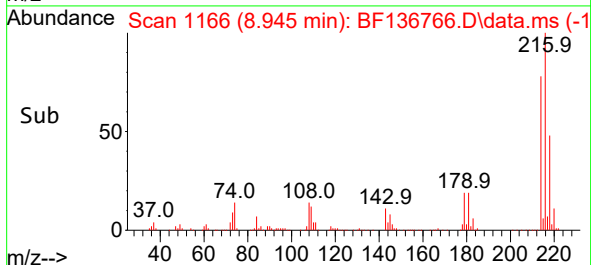
Tgt Ion:164 Resp: 129066  
Ion Ratio Lower Upper  
164 100  
162 100.3 81.6 122.4  
160 43.6 34.9 52.3

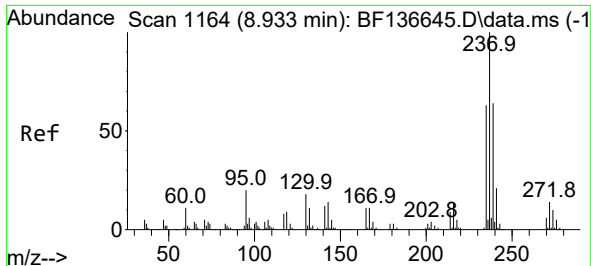


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.279 ng  
RT: 8.945 min Scan# 1166  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



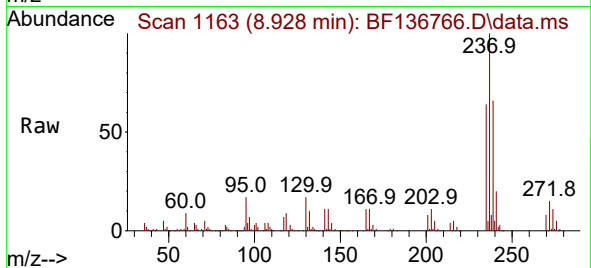
Tgt Ion:216 Resp: 188981  
Ion Ratio Lower Upper  
216 100  
214 78.1 62.3 93.5  
179 20.1 16.4 24.6  
108 18.9 14.0 21.0



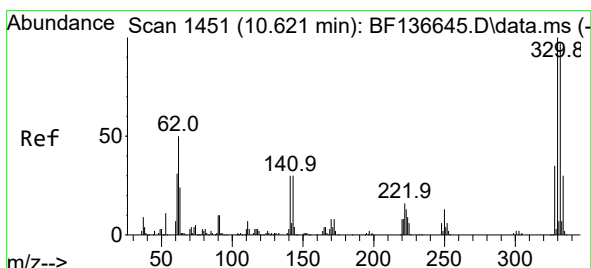
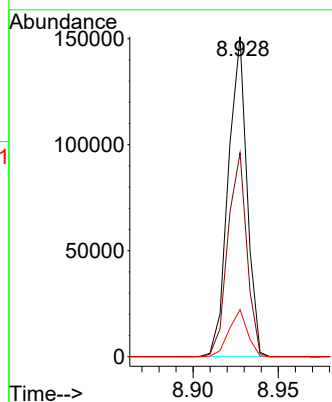
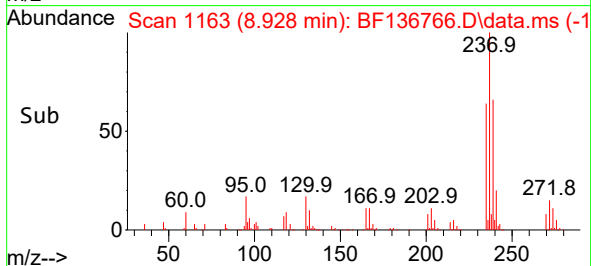


#41  
Hexachlorocyclopentadiene  
Concen: 89.447 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

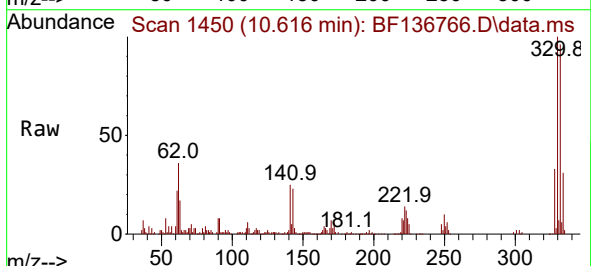
Instrument :  
BNA\_F  
ClientSampleId :



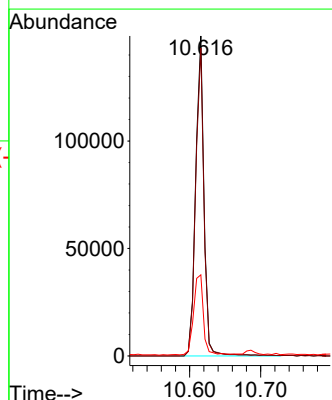
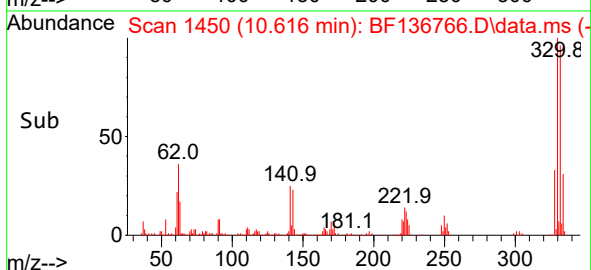
Tgt Ion: 237 Resp: 114781  
Ion Ratio Lower Upper  
237 100  
235 63.7 43.2 83.2  
272 14.7 0.0 34.2



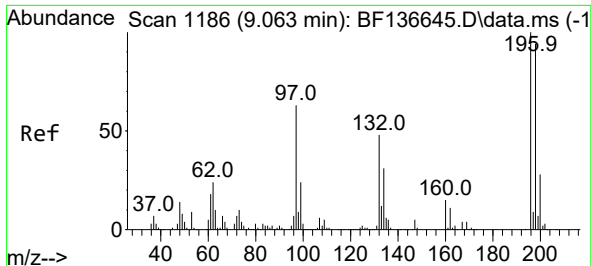
#42  
2,4,6-Tribromophenol  
Concen: 80.149 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



Tgt Ion: 330 Resp: 121830  
Ion Ratio Lower Upper  
330 100  
332 95.9 77.4 116.0  
141 30.0 23.4 35.2

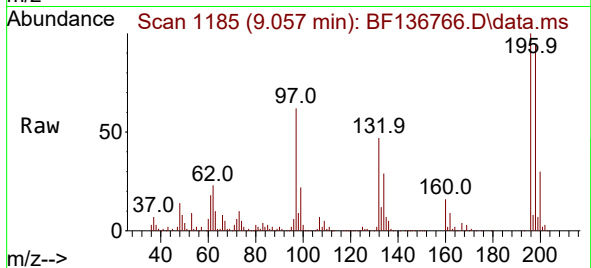




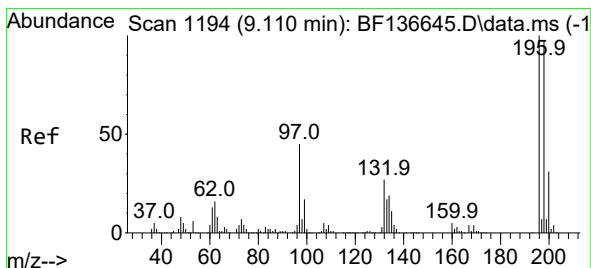
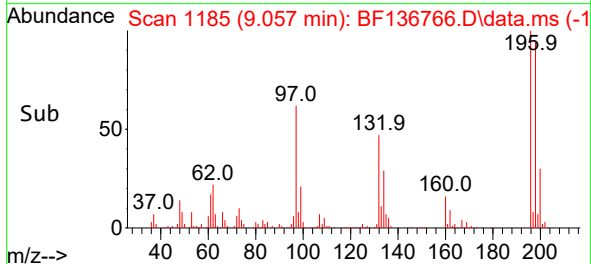
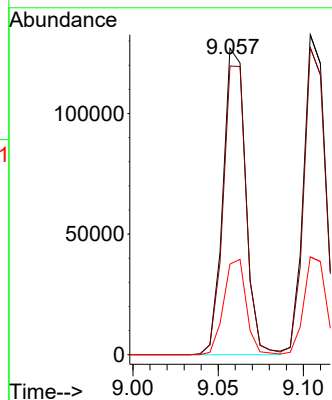


#43  
2,4,6-Trichlorophenol  
Concen: 45.838 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

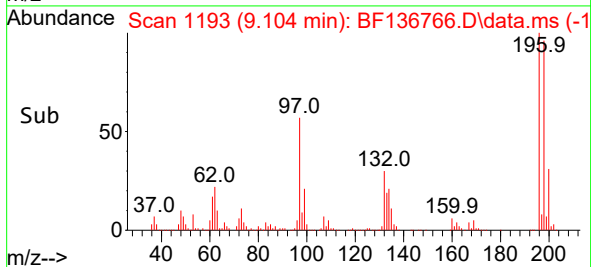
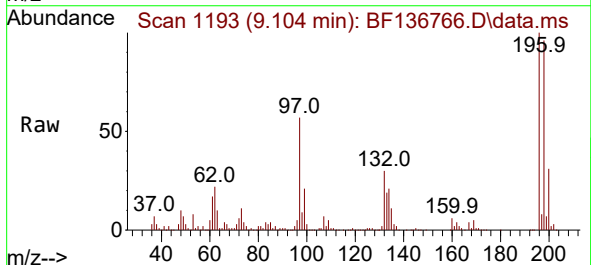
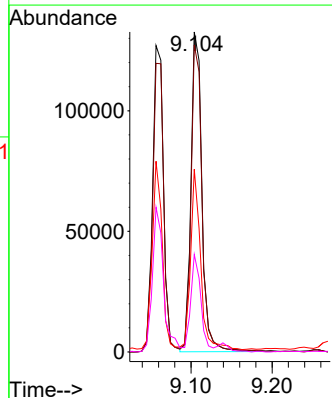


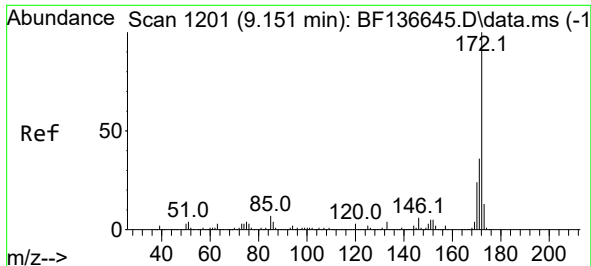
Tgt Ion:196 Resp: 117503  
Ion Ratio Lower Upper  
196 100  
198 94.2 75.1 112.7  
200 29.6 22.5 33.7



#44  
2,4,5-Trichlorophenol  
Concen: 43.827 ng  
RT: 9.104 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

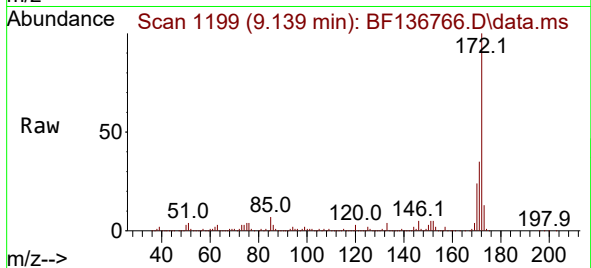
Tgt Ion:196 Resp: 125196  
Ion Ratio Lower Upper  
196 100  
198 95.9 77.0 115.6  
97 57.1 36.1 54.1#  
132 30.5 21.8 32.6



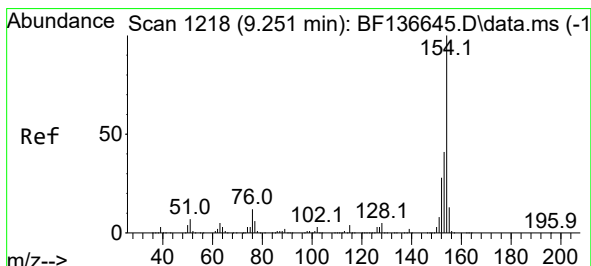
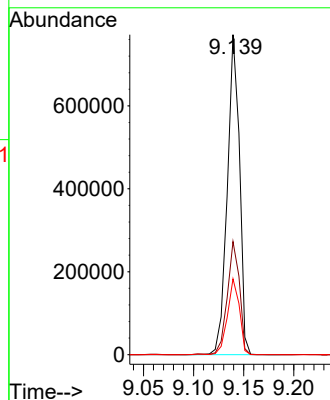
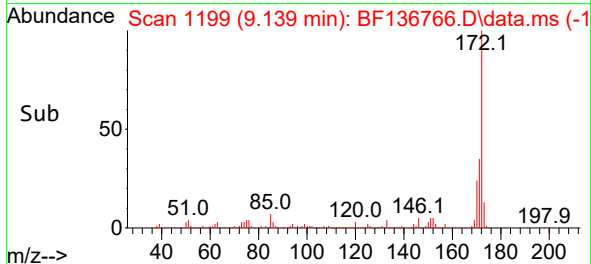


#45  
2-Fluorobiphenyl  
Concen: 67.621 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

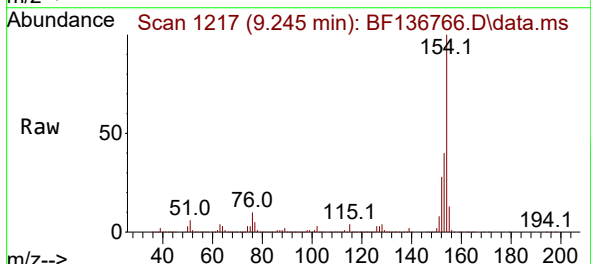
Instrument :  
BNA\_F  
ClientSampleId :



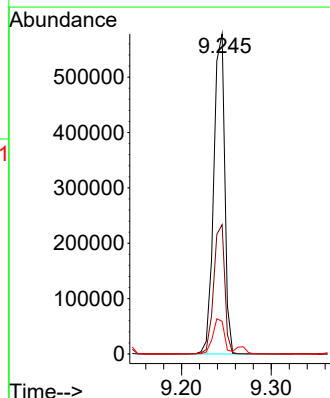
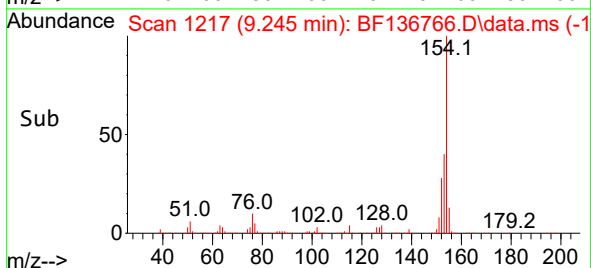
Tgt Ion:172 Resp: 648902  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.0 43.6  
170 23.7 19.0 28.4

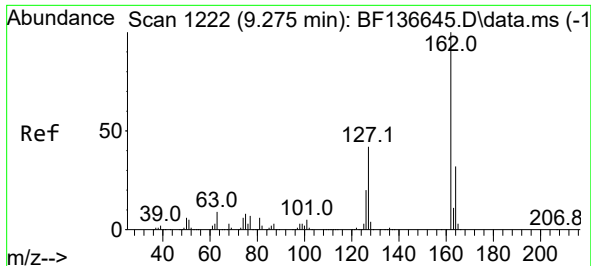


#46  
1,1'-Biphenyl  
Concen: 45.552 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



Tgt Ion:154 Resp: 493360  
Ion Ratio Lower Upper  
154 100  
153 40.4 21.1 61.1  
76 10.2 0.0 31.7





#47

2-Chloronaphthalene

Concen: 42.533 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

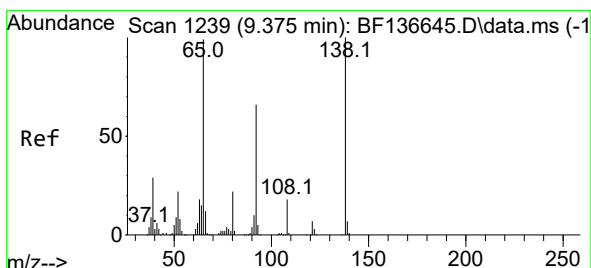
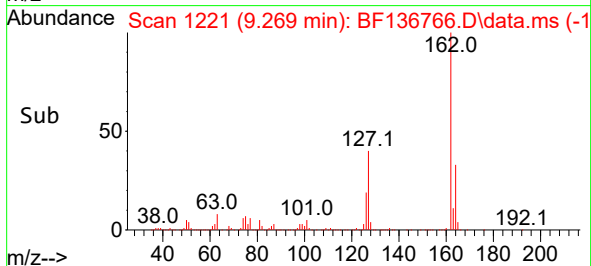
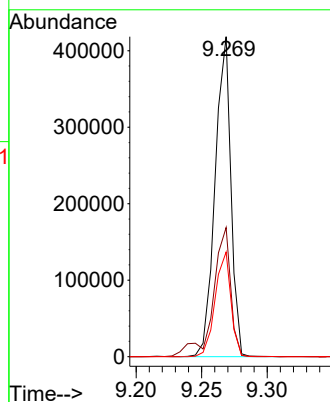
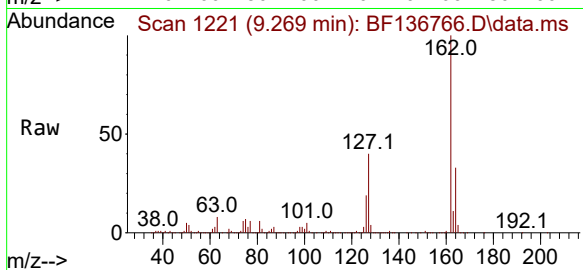
Tgt Ion:162 Resp: 350199

Ion Ratio Lower Upper

162 100

127 40.4 33.6 50.4

164 32.7 25.7 38.5



#48

2-Nitroaniline

Concen: 45.278 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

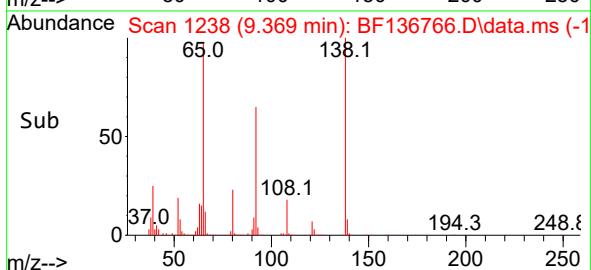
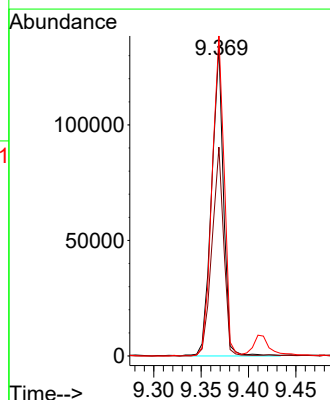
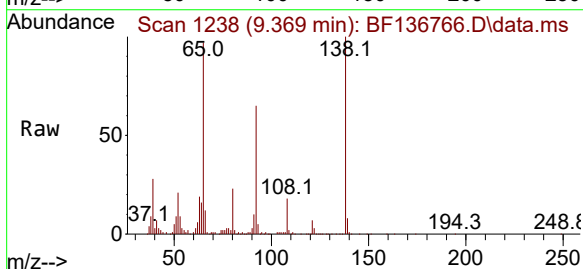
Tgt Ion: 65 Resp: 116741

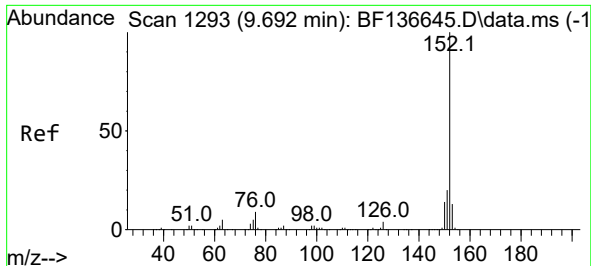
Ion Ratio Lower Upper

65 100

92 67.3 53.2 79.8

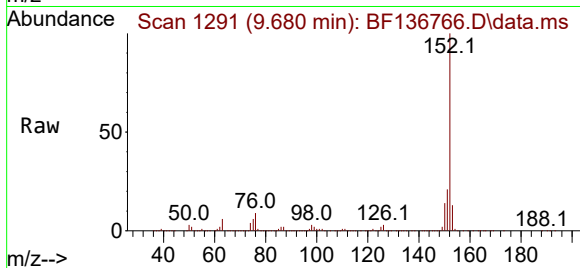
138 103.2 81.1 121.7



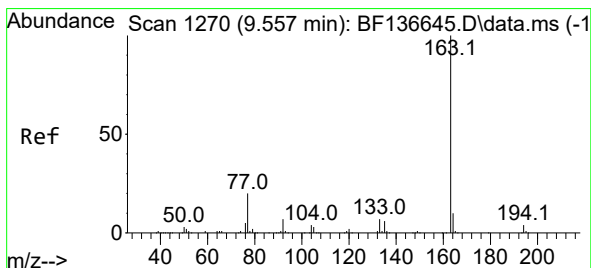
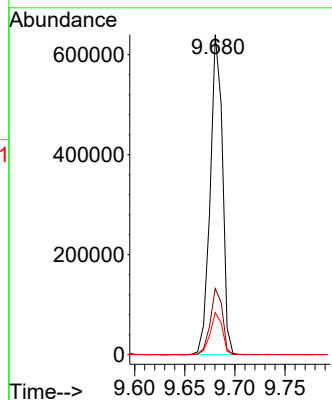
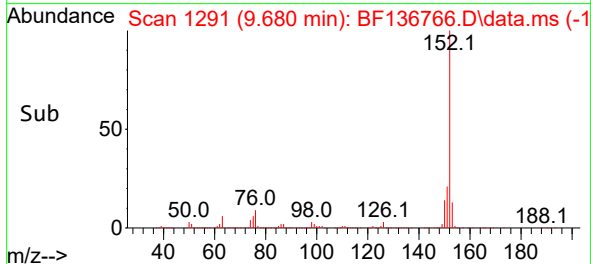


#49  
Acenaphthylene  
Concen: 43.370 ng  
RT: 9.680 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

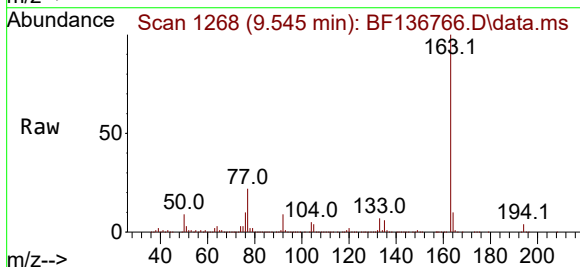
Instrument :  
BNA\_F  
ClientSampleId :



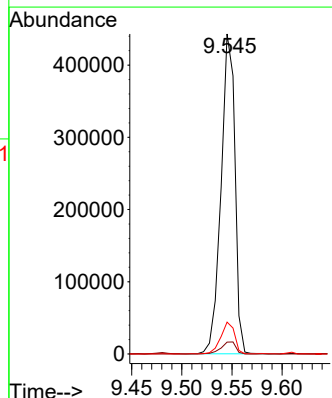
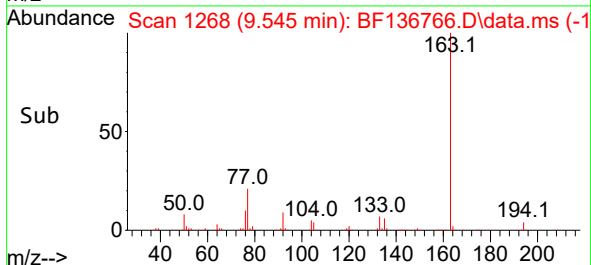
Tgt Ion:152 Resp: 545804  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.2 24.4  
153 13.1 10.2 15.2

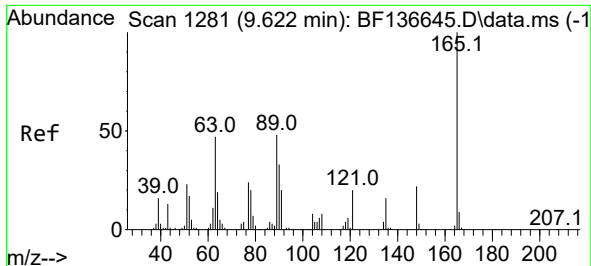


#50  
Dimethylphthalate  
Concen: 45.225 ng  
RT: 9.545 min Scan# 1268  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



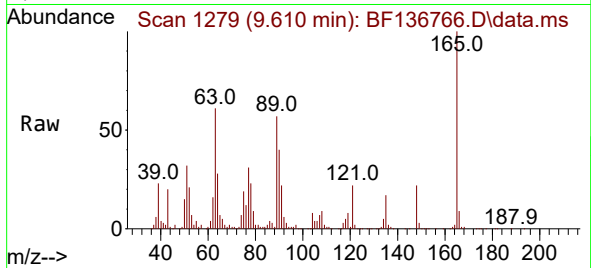
Tgt Ion:163 Resp: 426346  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.3 4.9  
164 10.0 7.8 11.6



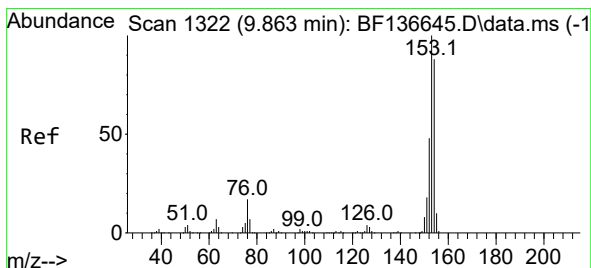
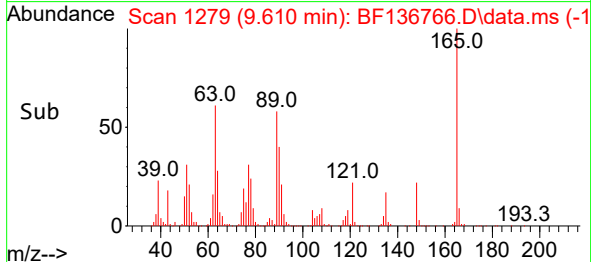
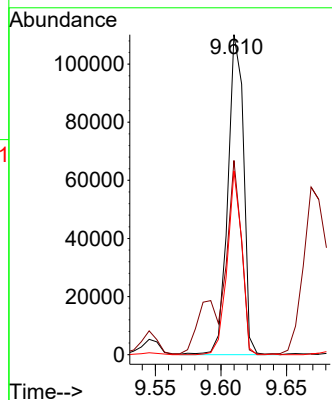


#51  
2,6-Dinitrotoluene  
Concen: 42.958 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

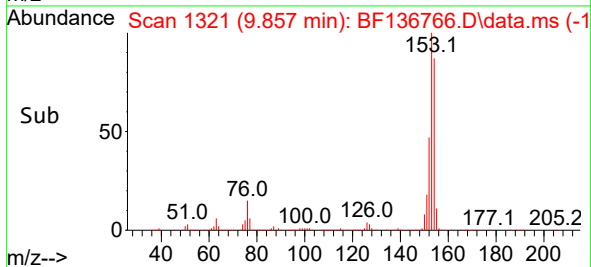
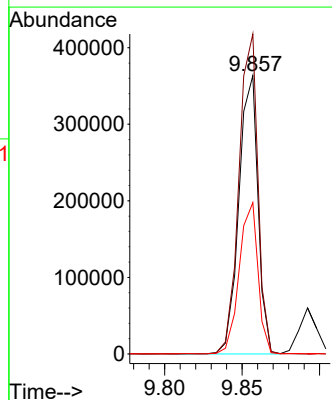
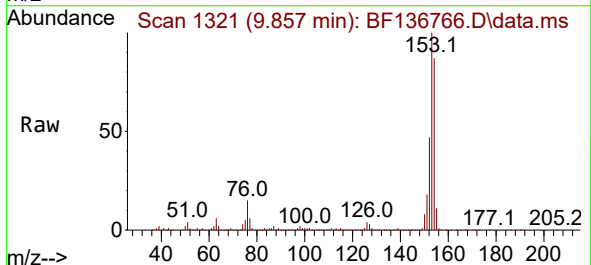


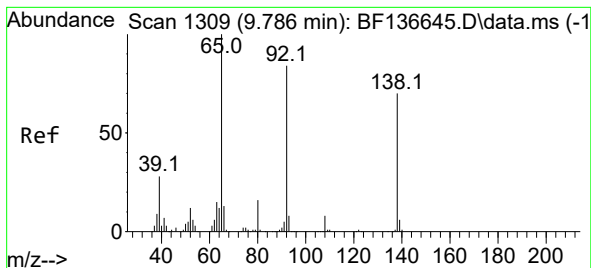
Tgt Ion:165 Resp: 91910  
Ion Ratio Lower Upper  
165 100  
63 60.7 39.8 59.6#  
89 57.4 38.8 58.2



#52  
Acenaphthene  
Concen: 40.040 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:154 Resp: 312356  
Ion Ratio Lower Upper  
154 100  
153 114.9 90.7 136.1  
152 54.4 43.7 65.5





#53

3-Nitroaniline

Concen: 31.807 ng

RT: 9.780 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

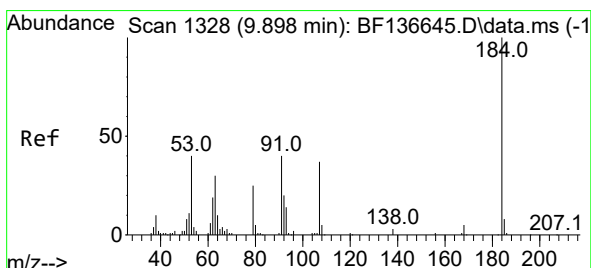
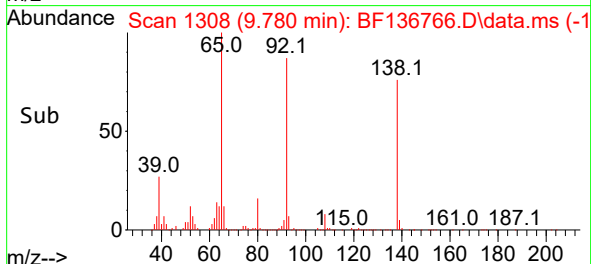
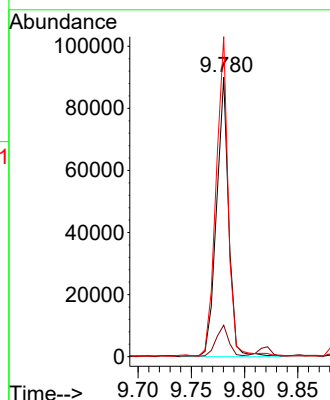
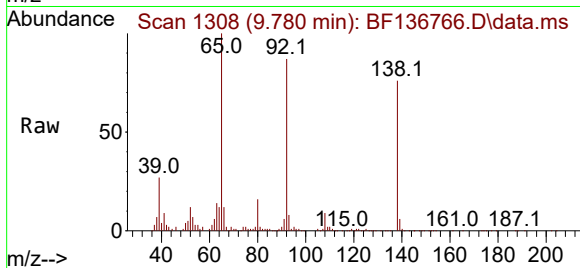
Tgt Ion:138 Resp: 72089

Ion Ratio Lower Upper

138 100

108 11.3 8.6 12.8

92 114.5 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 69.979 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

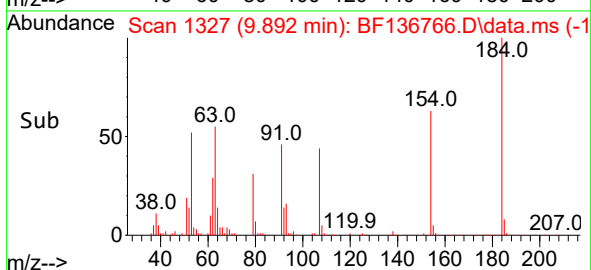
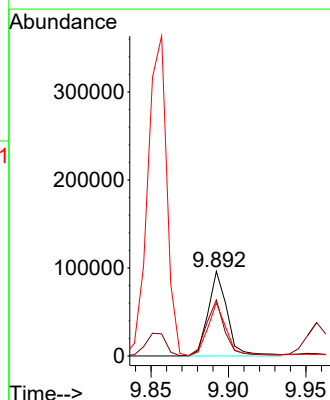
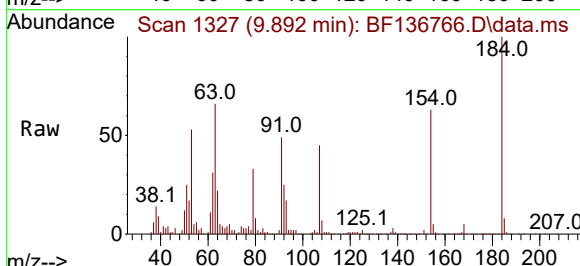
Tgt Ion:184 Resp: 82398

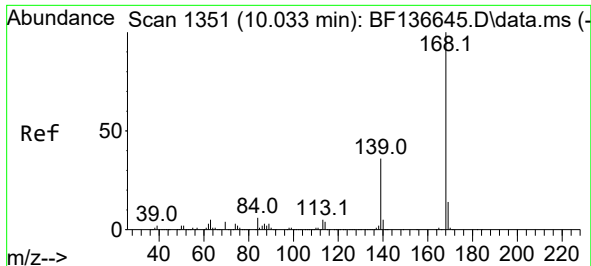
Ion Ratio Lower Upper

184 100

63 66.2 40.9 61.3#

154 62.6 42.7 64.1

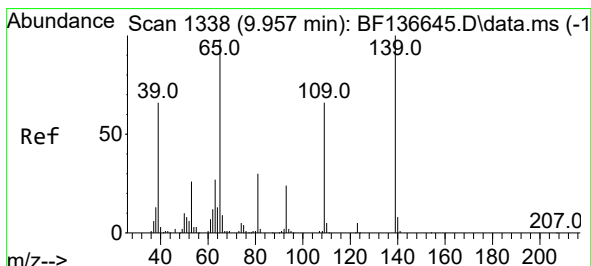
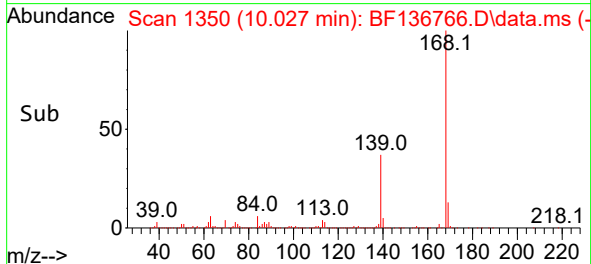
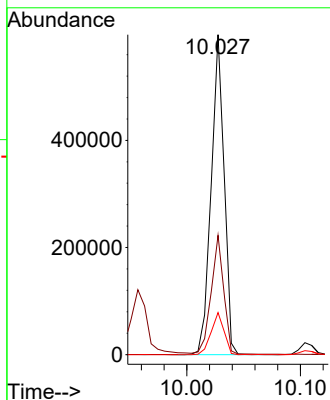
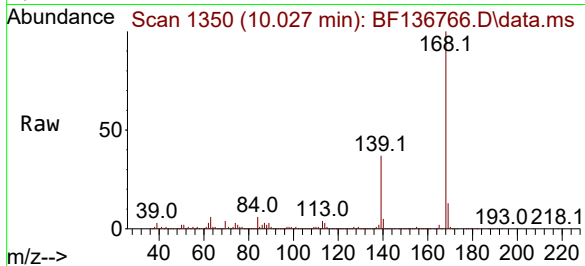




#55  
Dibenzenofuran  
Concen: 39.921 ng  
RT: 10.027 min Scan# 1350  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

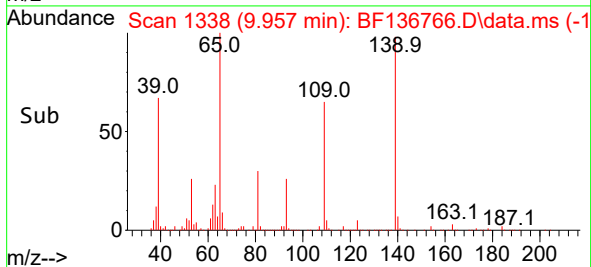
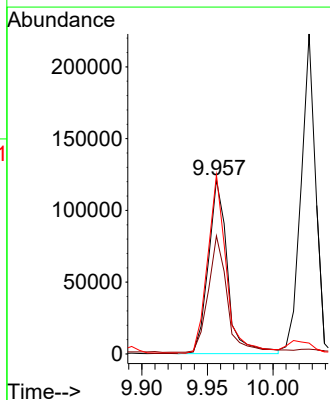
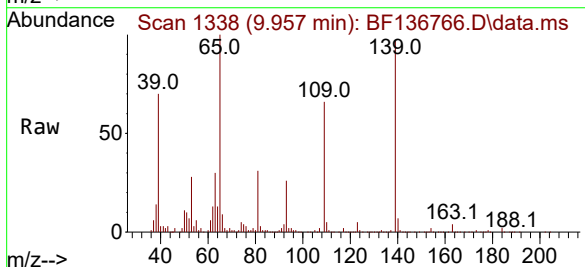
Instrument :  
BNA\_F  
ClientSampleId :

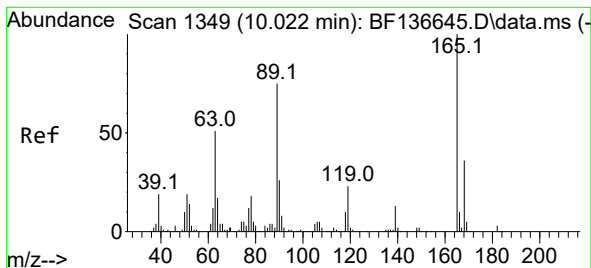
Tgt Ion:168 Resp: 472080  
Ion Ratio Lower Upper  
168 100  
139 37.3 29.3 43.9  
169 13.2 11.0 16.4



#56  
4-Nitrophenol  
Concen: 80.605 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

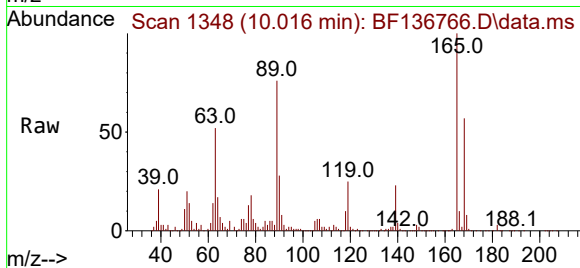
Tgt Ion:139 Resp: 123325  
Ion Ratio Lower Upper  
139 100  
109 67.8 45.8 85.8  
65 102.8 77.8 117.8



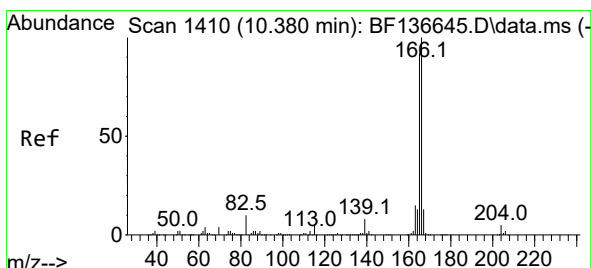
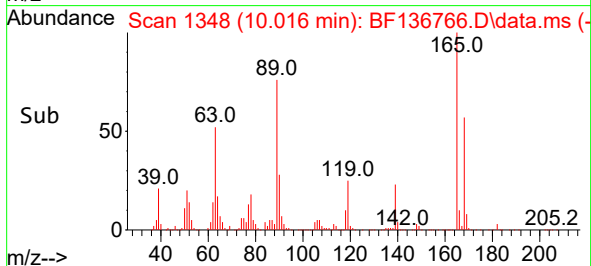
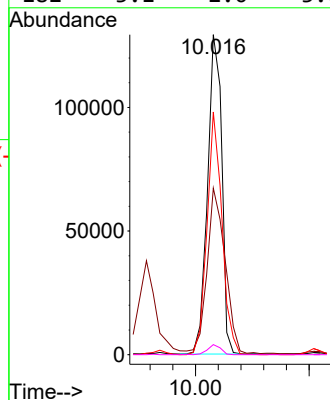


#57  
2,4-Dinitrotoluene  
Concen: 40.270 ng  
RT: 10.016 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Instrument :  
BNA\_F  
ClientSampleId :

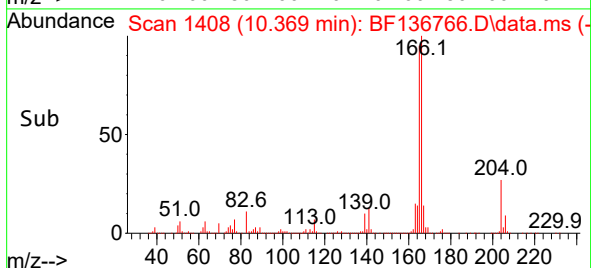
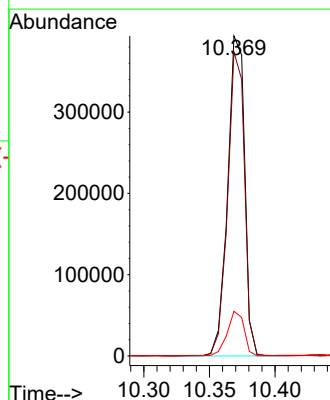
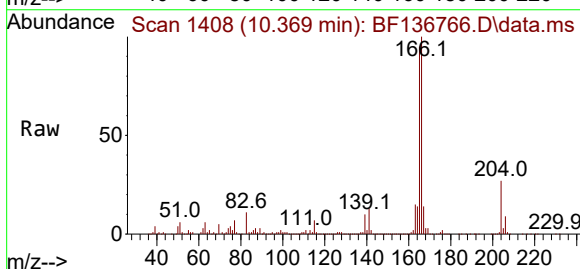


Tgt Ion:165 Resp: 111851  
Ion Ratio Lower Upper  
165 100  
63 52.0 41.0 61.6  
89 75.9 59.9 89.9  
182 3.1 2.0 3.0#

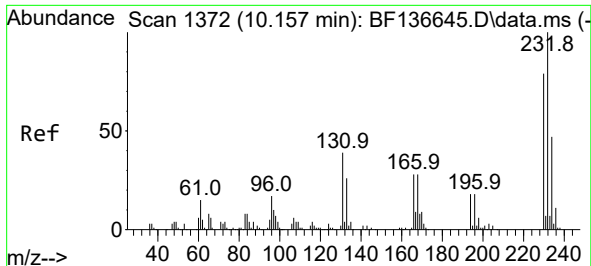


#58  
Fluorene  
Concen: 37.770 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:166 Resp: 354395  
Ion Ratio Lower Upper  
166 100  
165 95.0 73.7 110.5  
167 13.9 10.4 15.6



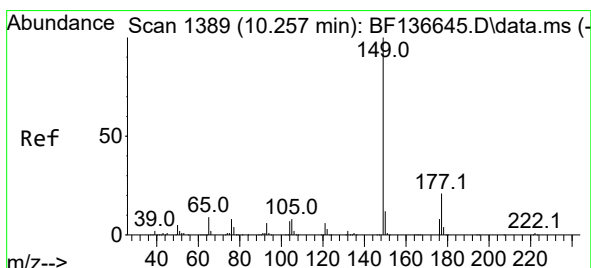
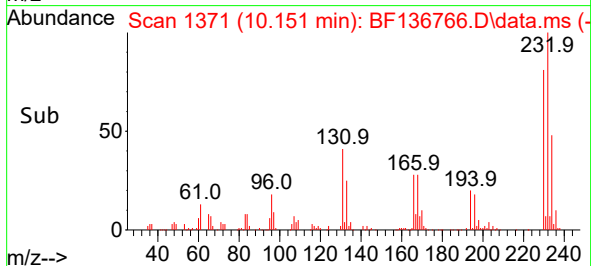
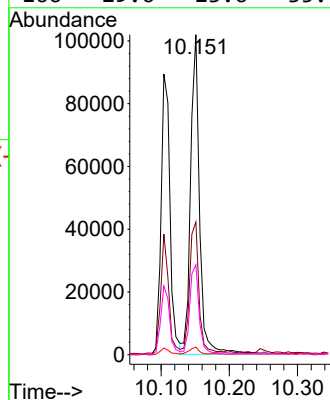
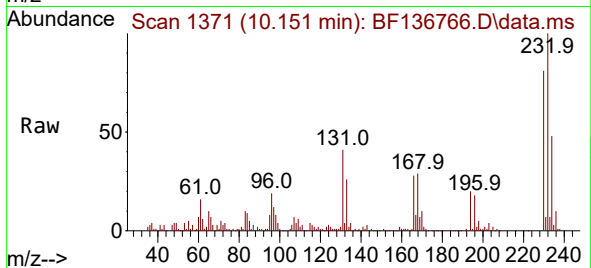




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.162 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

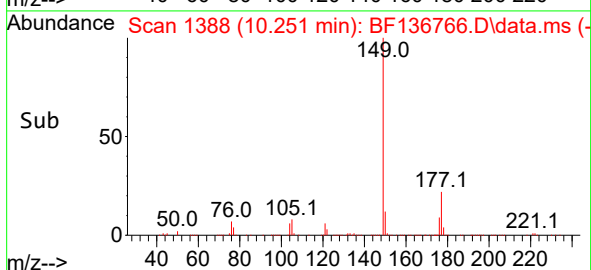
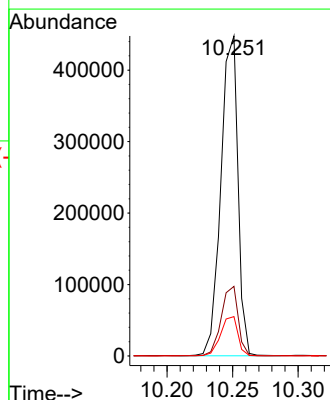
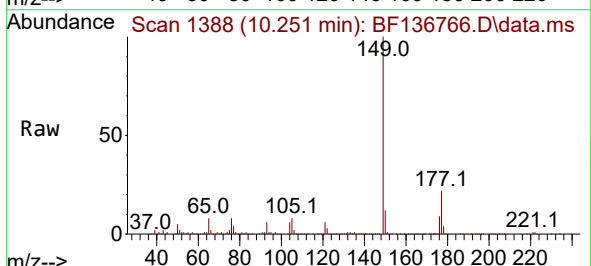
Instrument :  
BNA\_F  
ClientSampleId :

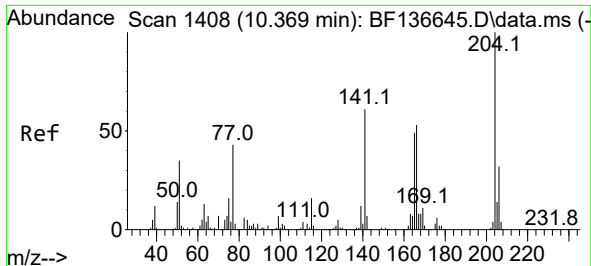
Tgt Ion:232 Resp: 92711  
Ion Ratio Lower Upper  
232 100  
131 41.3 35.1 52.7  
130 2.2 1.6 2.4  
166 29.6 23.6 35.4



#60  
Diethylphthalate  
Concen: 41.346 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:149 Resp: 404421  
Ion Ratio Lower Upper  
149 100  
177 21.7 16.9 25.3  
150 12.3 9.3 13.9

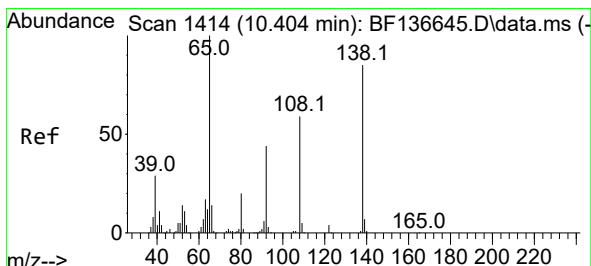
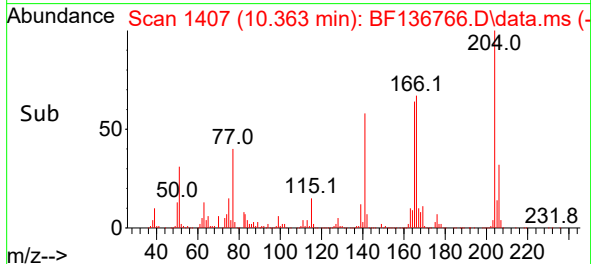
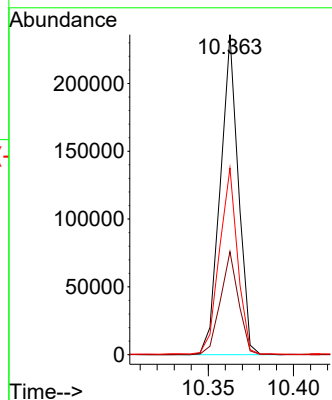
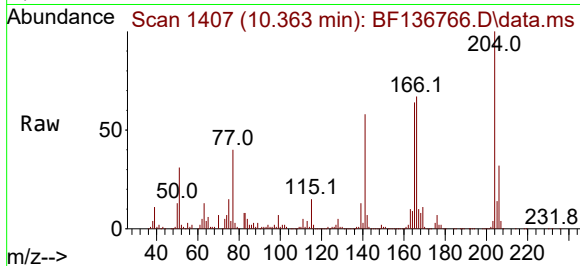




#61  
4-Chlorophenyl-phenylether  
Concen: 38.218 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

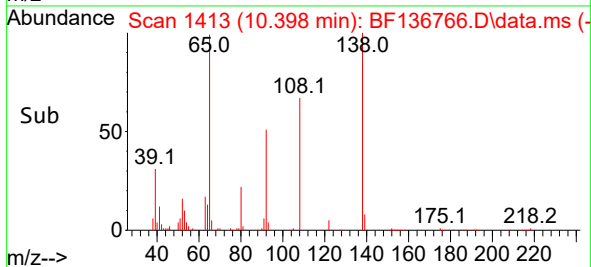
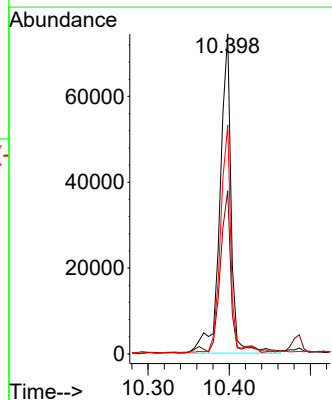
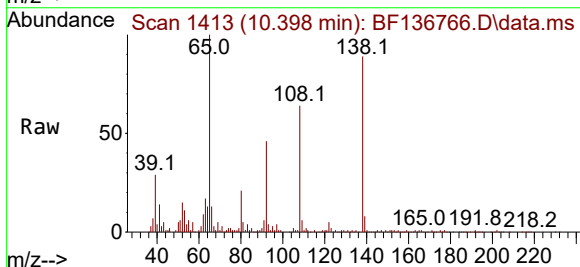
Instrument :  
BNA\_F  
ClientSampleId :

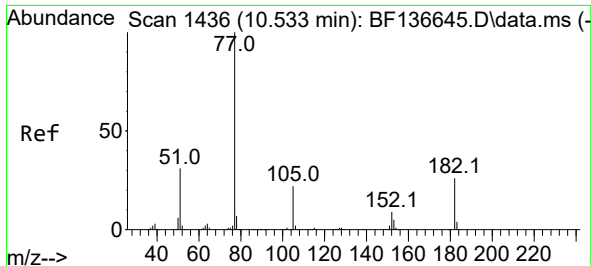
Tgt Ion:204 Resp: 174306  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.6 38.4  
141 58.3 48.4 72.6



#62  
4-Nitroaniline  
Concen: 32.931 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

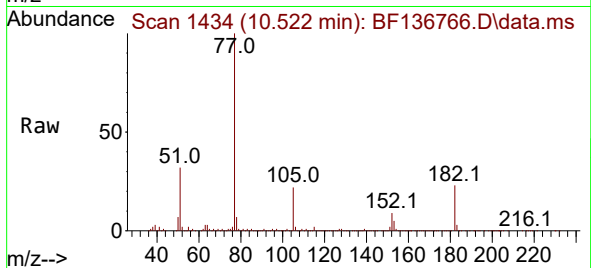
Tgt Ion:138 Resp: 71951  
Ion Ratio Lower Upper  
138 100  
92 51.0 32.1 72.1  
108 71.5 50.1 90.1



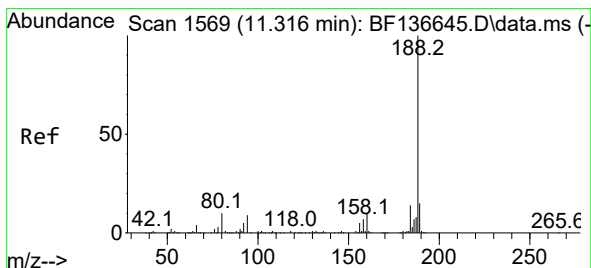
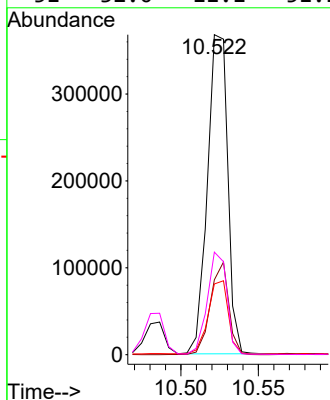
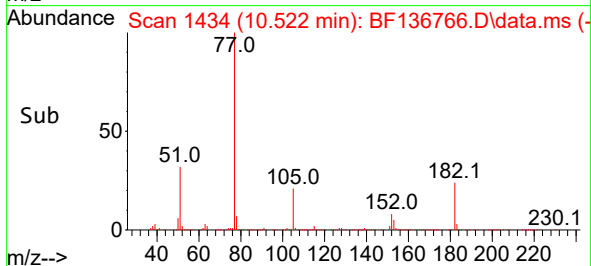


#63  
Azobenzene  
Concen: 36.772 ng  
RT: 10.522 min Scan# 1436  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

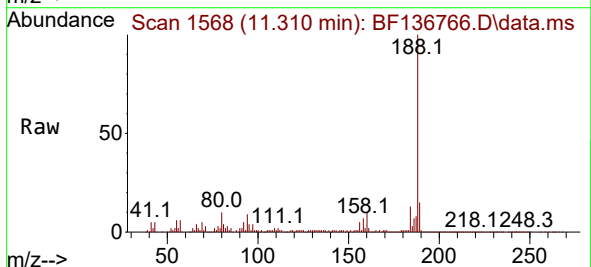
Instrument :  
BNA\_F  
ClientSampleId :



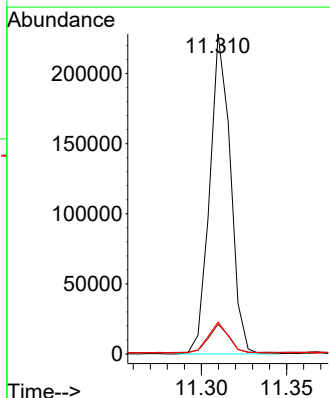
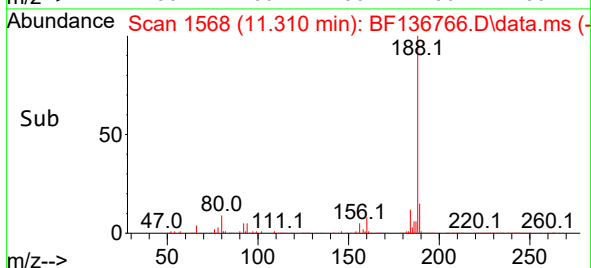
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 335944 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 23.4  | 6.0   | 46.0   |
| 105       | 22.1  | 2.3   | 42.3   |
| 51        | 32.0  | 11.1  | 51.1   |

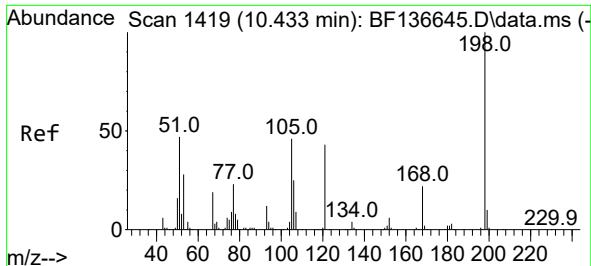


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 192629 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 9.3   | 7.5   | 11.3   |
| 80        | 10.0  | 8.1   | 12.1   |

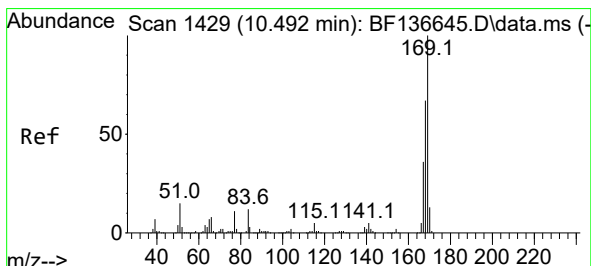
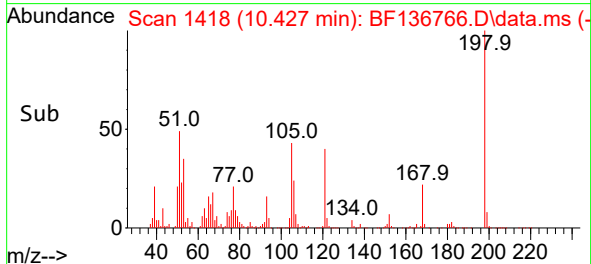
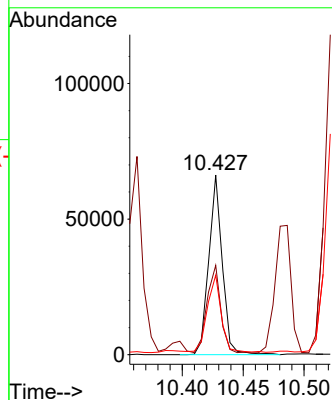
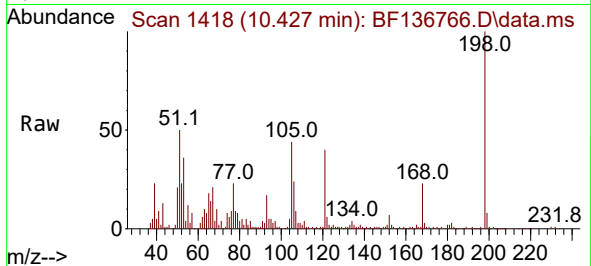




#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.227 ng  
RT: 10.427 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

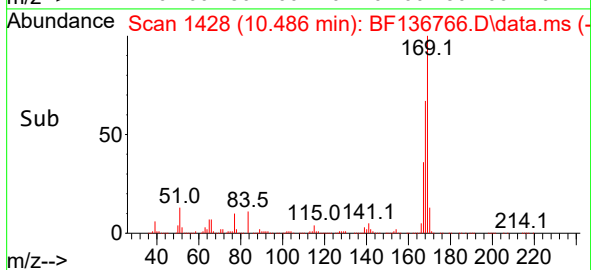
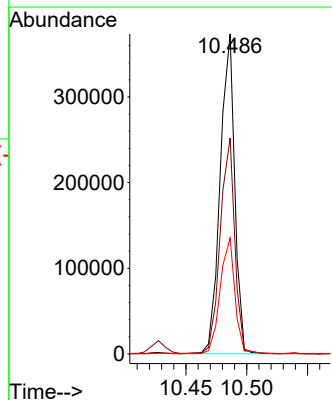
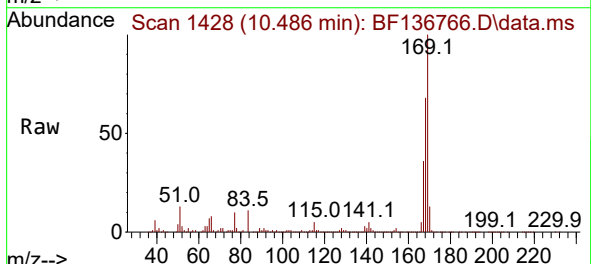
Instrument :  
BNA\_F  
ClientSampleId :

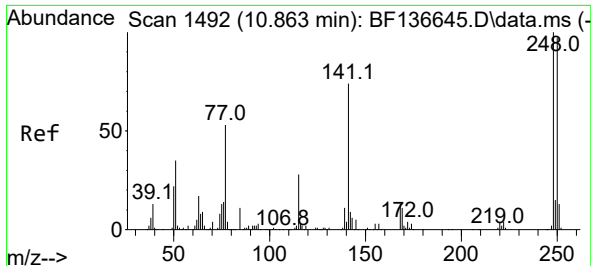
Tgt Ion:198 Resp: 51033  
Ion Ratio Lower Upper  
198 100  
51 49.6 34.1 74.1  
105 44.2 27.3 67.3



#66  
n-Nitrosodiphenylamine  
Concen: 49.654 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:169 Resp: 310710  
Ion Ratio Lower Upper  
169 100  
168 67.5 53.8 80.6  
167 36.2 28.7 43.1

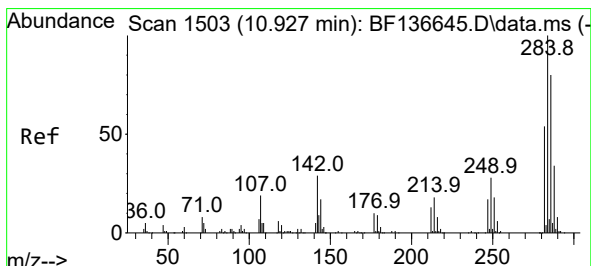
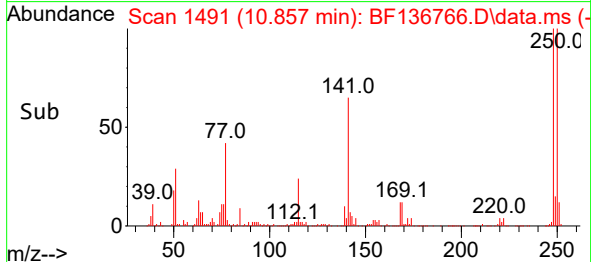
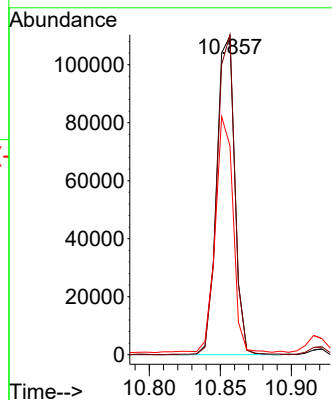
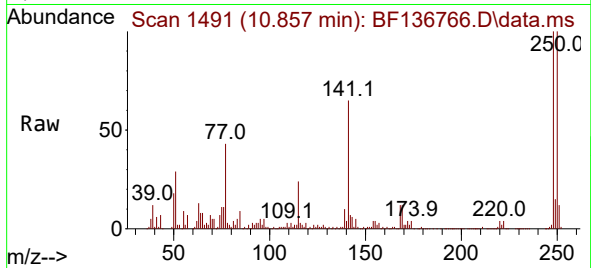




#67  
4-Bromophenyl-phenylether  
Concen: 45.490 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

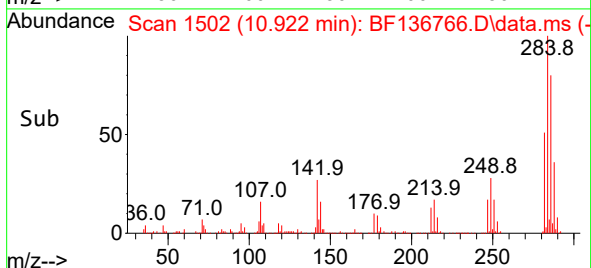
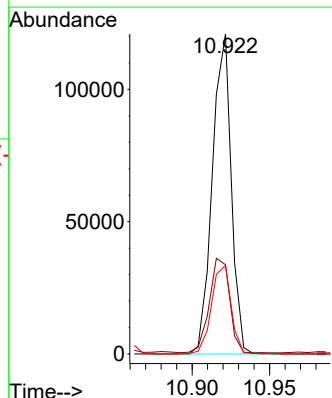
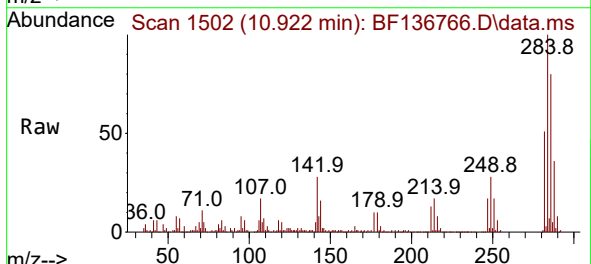
Instrument :  
BNA\_F  
ClientSampleId :

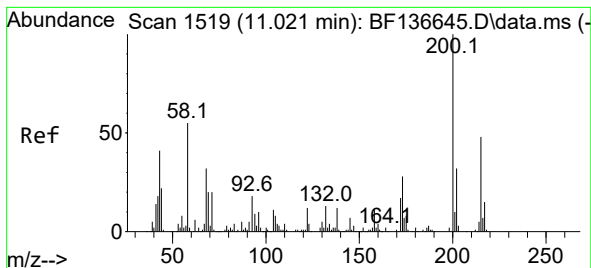
Tgt Ion:248 Resp: 97316  
Ion Ratio Lower Upper  
248 100  
250 100.5 77.8 116.6  
141 65.6 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 42.971 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:284 Resp: 102444  
Ion Ratio Lower Upper  
284 100  
142 27.9 23.4 35.0  
249 27.7 22.3 33.5





#69

Atrazine

Concen: 60.329 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

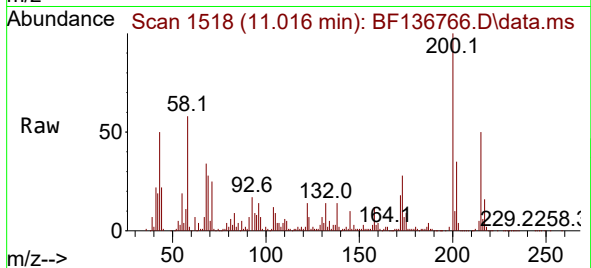
Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

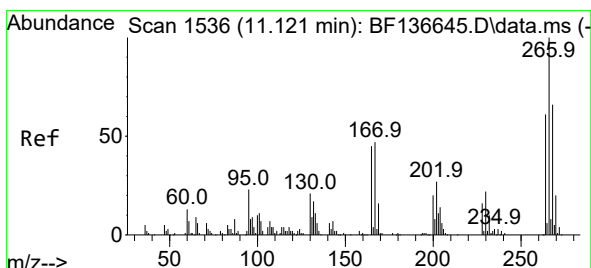
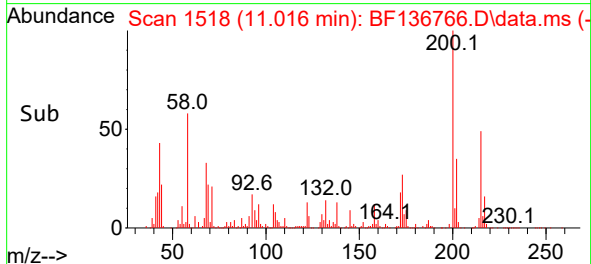
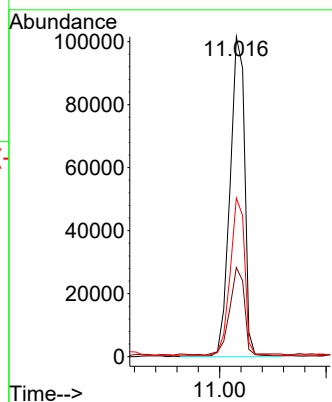
Instrument :

BNA\_F

ClientSampleId :



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 96555 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.8  | 7.6   | 47.6  |
| 215       | 49.6  | 28.3  | 68.3  |



#70

Pentachlorophenol

Concen: 86.789 ng

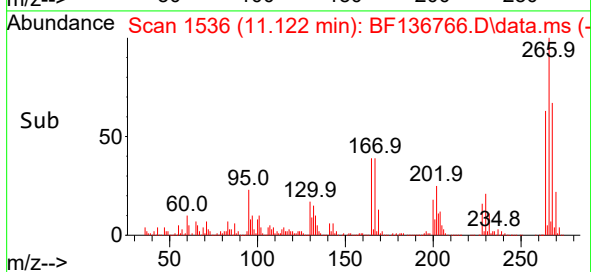
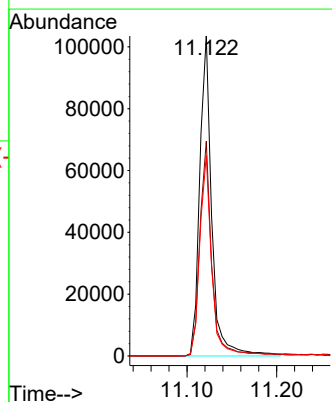
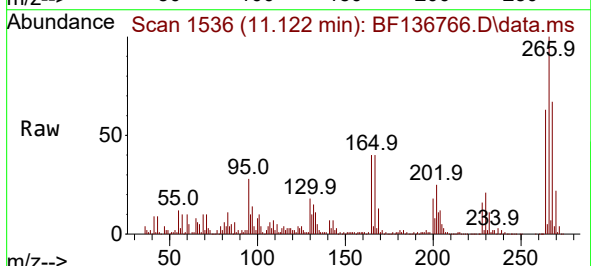
RT: 11.122 min Scan# 1536

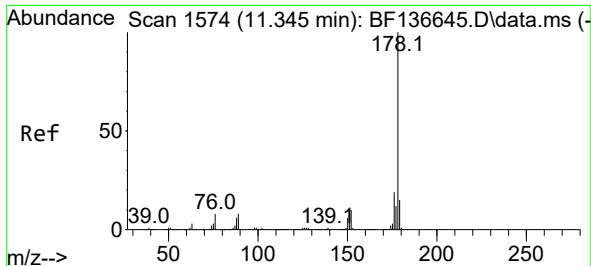
Delta R.T. 0.000 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 96443 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 67.1  | 52.6  | 78.8  |
| 264       | 62.6  | 49.0  | 73.4  |

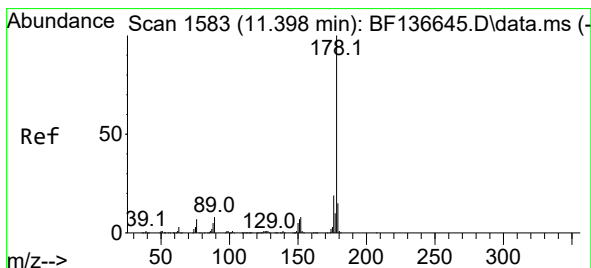
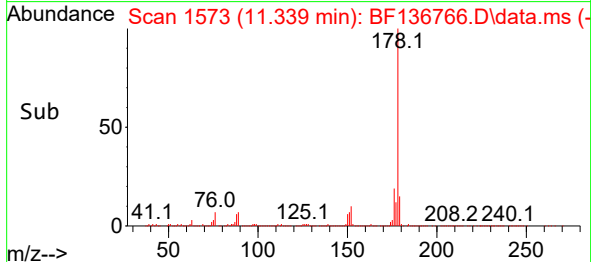
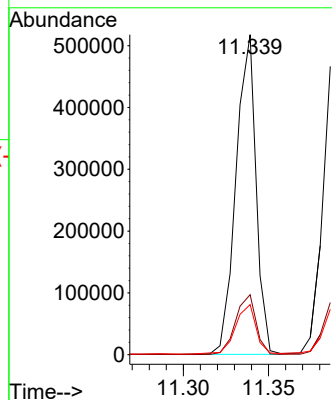
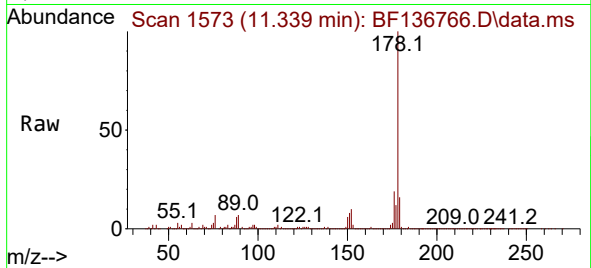




#71  
Phenanthrene  
Concen: 43.003 ng  
RT: 11.339 min Scan# 1573  
Delta R.T. -0.006 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

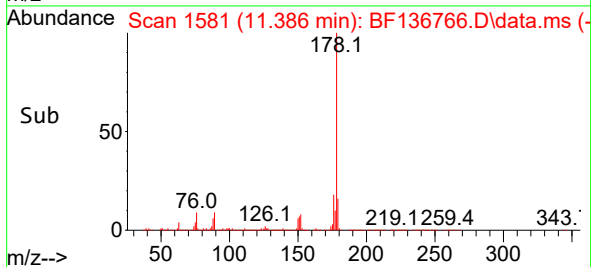
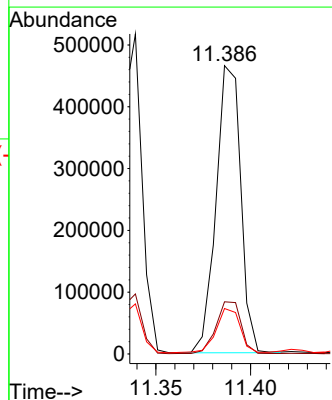
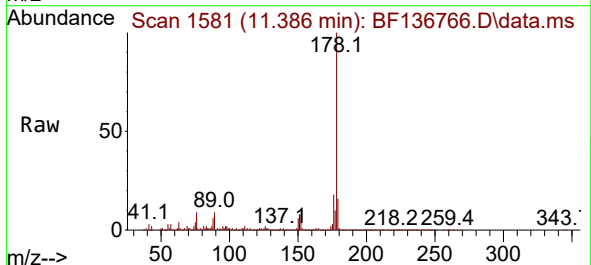
Instrument :  
BNA\_F  
ClientSampleId :

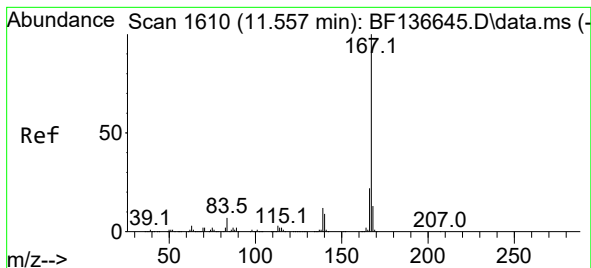
Tgt Ion:178 Resp: 425037  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.3 22.9  
179 15.6 11.9 17.9



#72  
Anthracene  
Concen: 42.128 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.012 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:178 Resp: 421695  
Ion Ratio Lower Upper  
178 100  
176 18.1 14.9 22.3  
179 15.8 11.8 17.6





#73

Carbazole

Concen: 41.753 ng

RT: 11.551 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

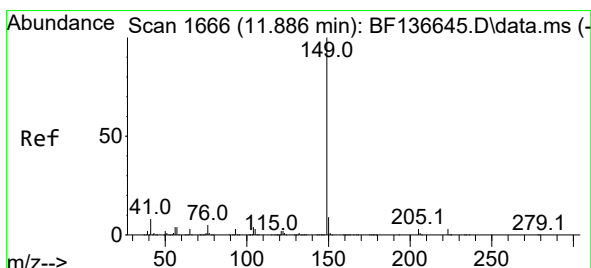
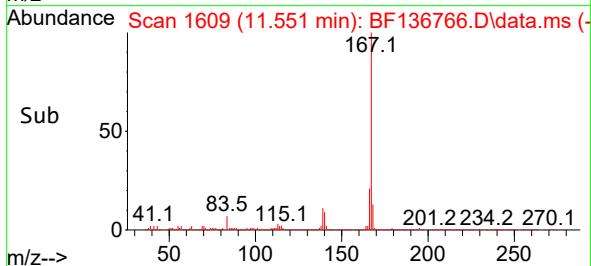
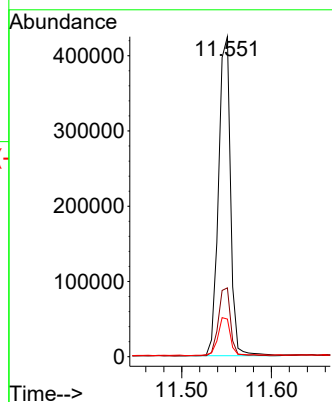
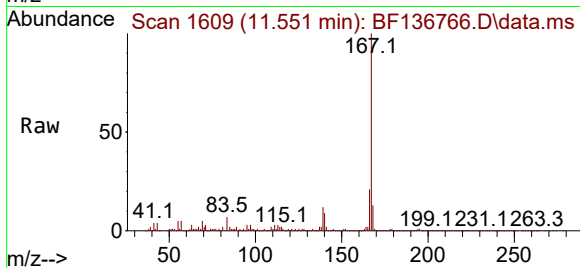
Tgt Ion:167 Resp: 394040

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 11.7 9.8 14.6



#74

Di-n-butylphthalate

Concen: 43.431 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

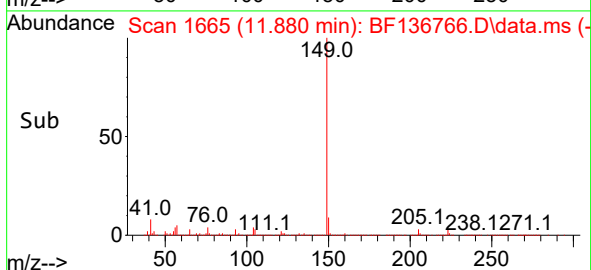
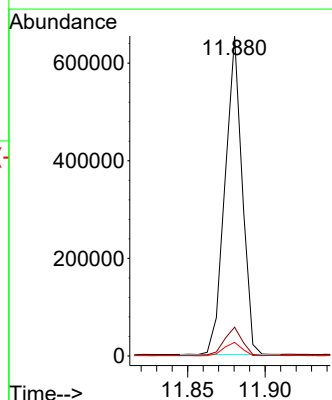
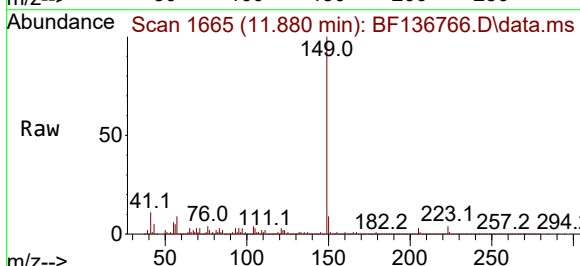
Tgt Ion:149 Resp: 500150

Ion Ratio Lower Upper

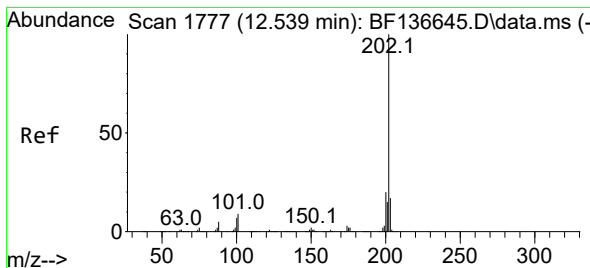
149 100

150 9.0 7.4 11.2

104 4.3 3.6 5.4







#75

Fluoranthene

Concen: 38.729 ng

RT: 12.539 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

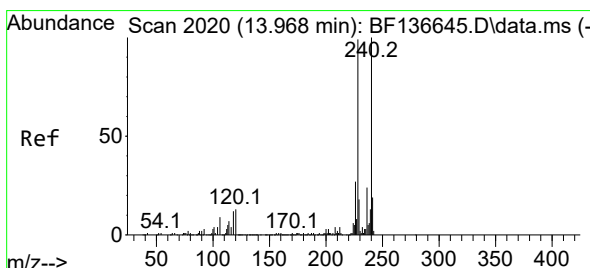
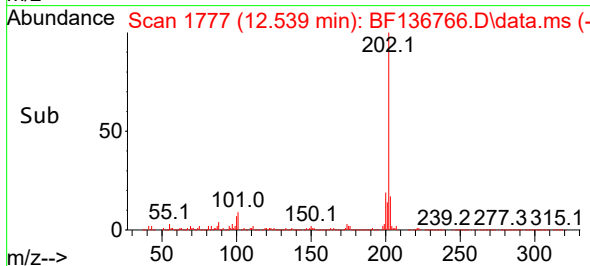
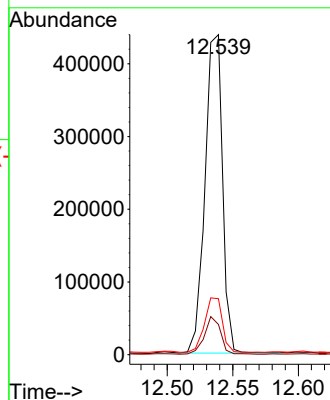
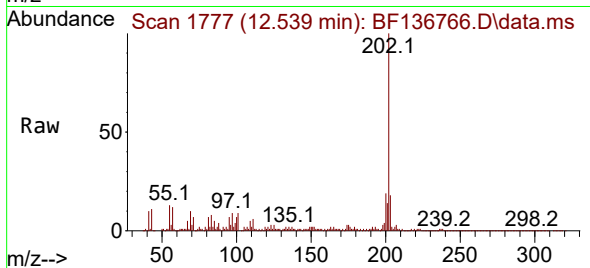
Tgt Ion:202 Resp: 409454

Ion Ratio Lower Upper

202 100

101 9.4 0.0 29.3

203 17.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.024 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

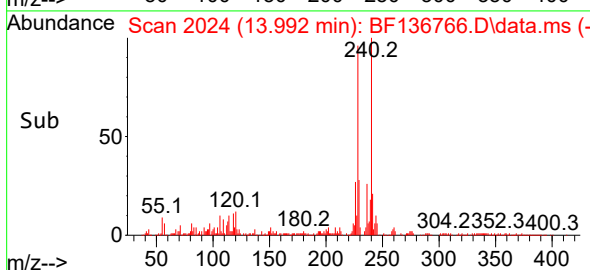
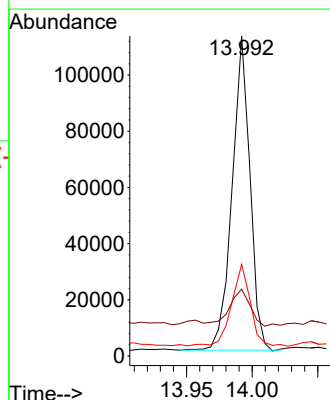
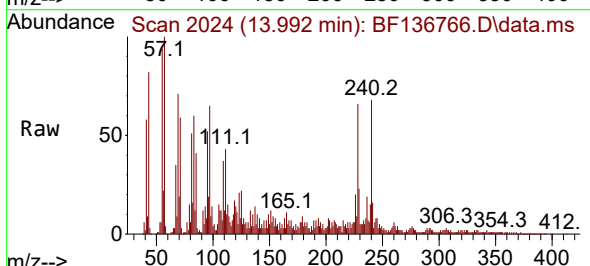
Tgt Ion:240 Resp: 105924

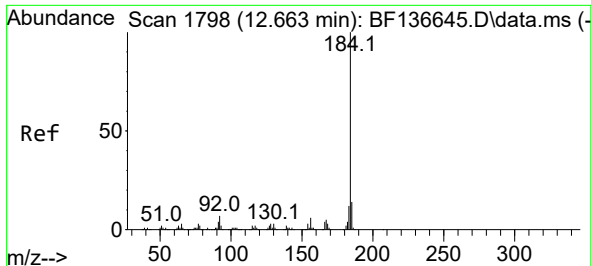
Ion Ratio Lower Upper

240 100

120 20.9 10.3 15.5#

236 28.6 19.4 29.2

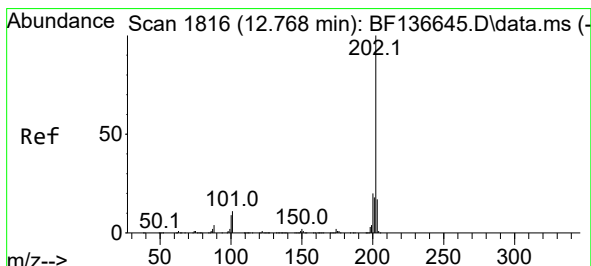
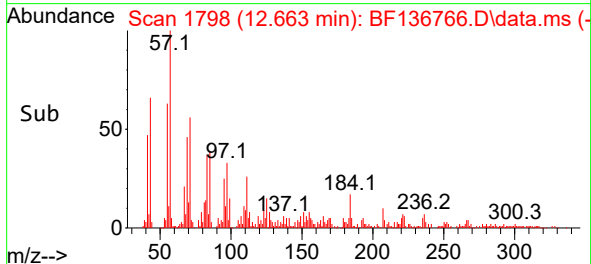
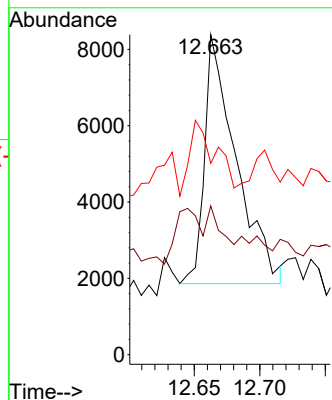
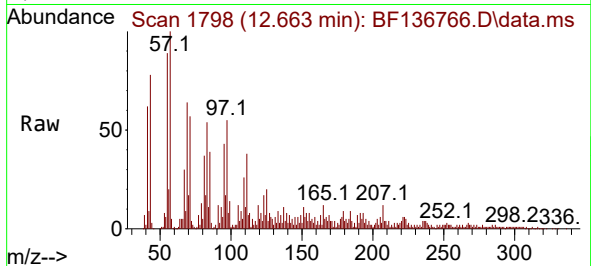




#77  
Benzidine  
Concen: 3.492 ng  
RT: 12.663 min Scan# 1798  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

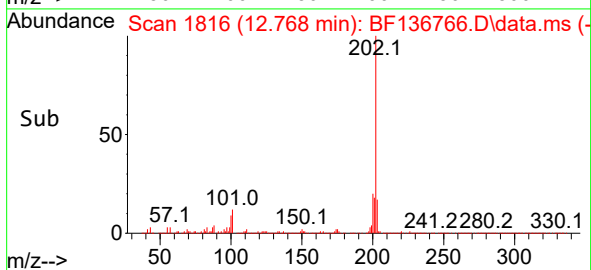
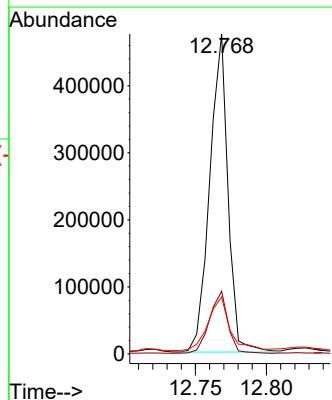
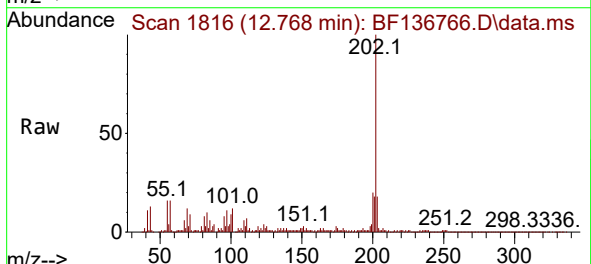
Instrument :  
BNA\_F  
ClientSampleId :

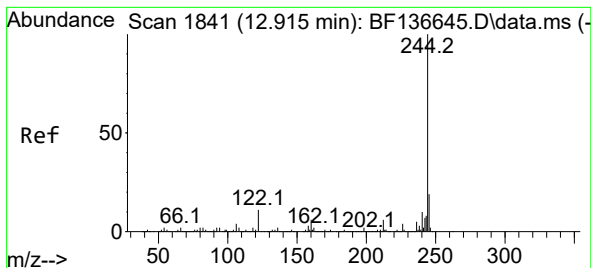
Tgt Ion:184 Resp: 10906  
Ion Ratio Lower Upper  
184 100  
185 46.5 11.2 16.8#  
183 59.8 9.3 13.9#



#78  
Pyrene  
Concen: 40.610 ng  
RT: 12.768 min Scan# 1816  
Delta R.T. 0.000 min  
Lab File: BF136766.D  
Acq: 27 Dec 2023 19:27

Tgt Ion:202 Resp: 422271  
Ion Ratio Lower Upper  
202 100  
200 19.6 15.9 23.9  
203 17.8 13.8 20.6





#79

Terphenyl-d14

Concen: 58.737 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.000 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

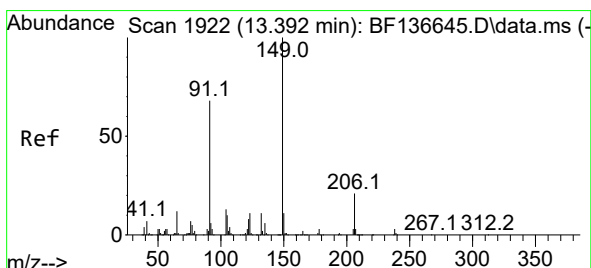
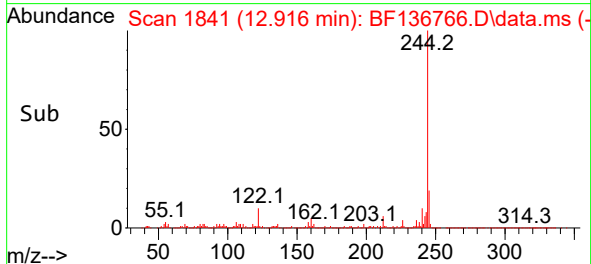
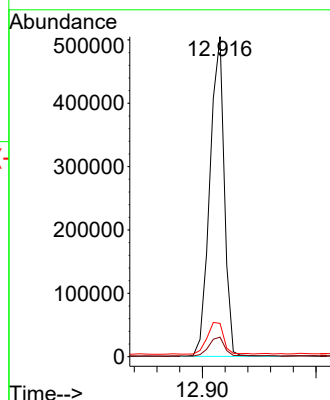
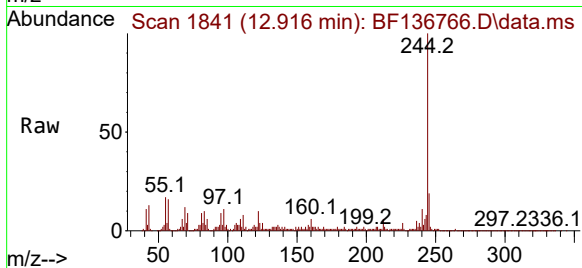
Tgt Ion:244 Resp: 445212

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 10.4 9.0 13.4



#80

Butylbenzylphthalate

Concen: 44.185 ng

RT: 13.398 min Scan# 1923

Delta R.T. 0.006 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

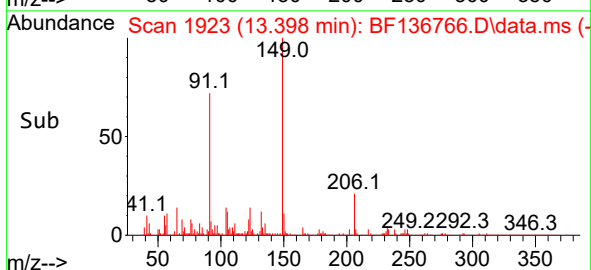
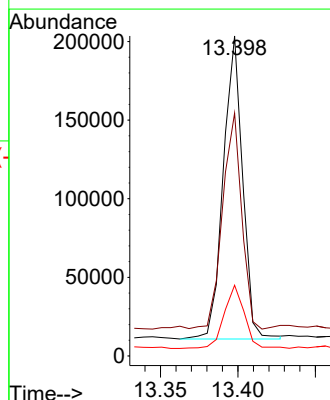
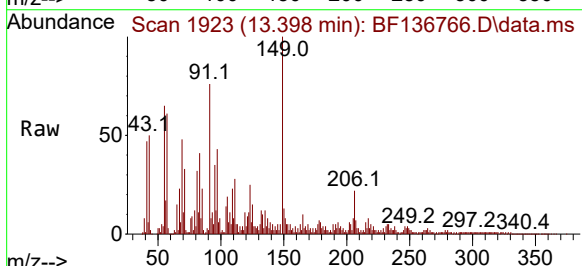
Tgt Ion:149 Resp: 167179

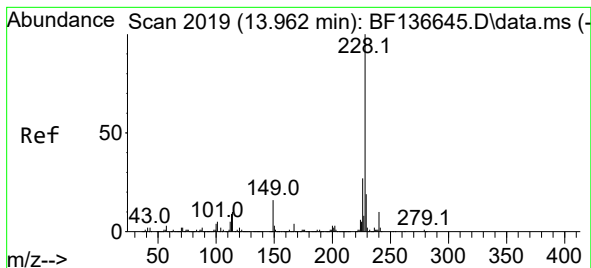
Ion Ratio Lower Upper

149 100

91 75.9 54.1 81.1

206 22.1 17.1 25.7





#81

Benzo(a)anthracene

Concen: 49.846 ng

RT: 13.980 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

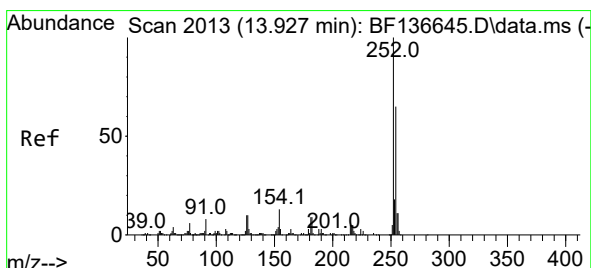
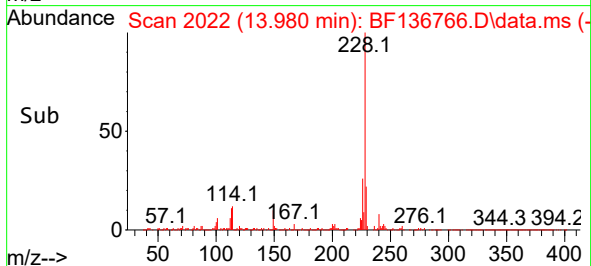
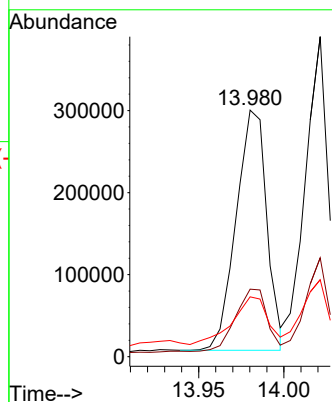
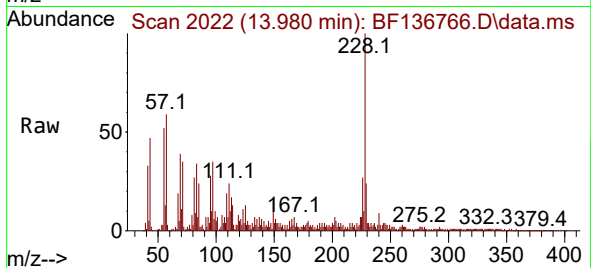
Tgt Ion:228 Resp: 366632

Ion Ratio Lower Upper

228 100

226 27.4 21.4 32.0

229 24.3 14.9 22.3#



#82

3,3'-Dichlorobenzidine

Concen: 38.451 ng

RT: 13.945 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

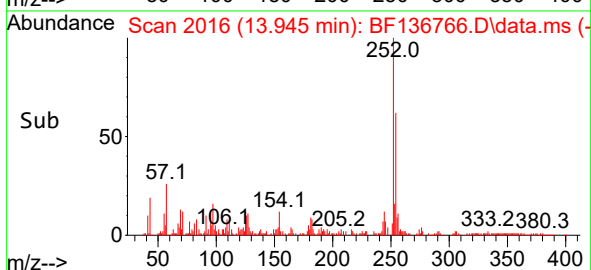
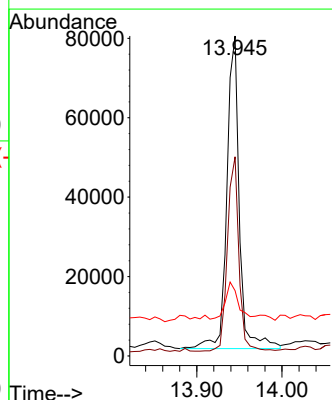
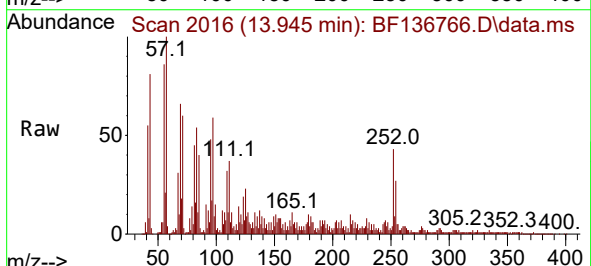
Tgt Ion:252 Resp: 80318

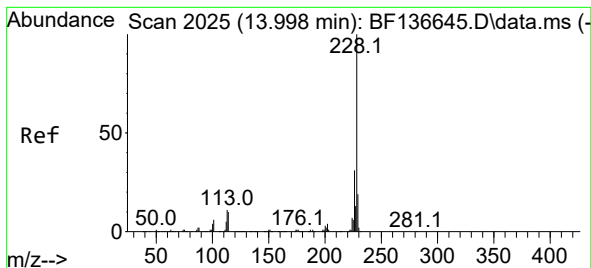
Ion Ratio Lower Upper

252 100

254 62.3 52.2 78.4

126 20.4 8.0 12.0#





#83

Chrysene

Concen: 50.541 ng

RT: 14.021 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

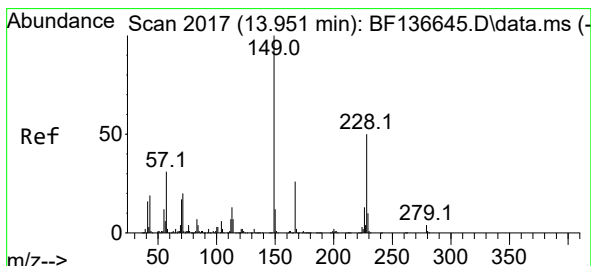
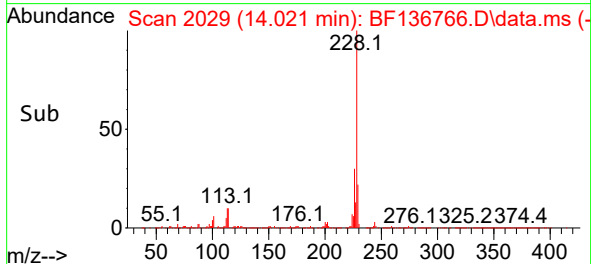
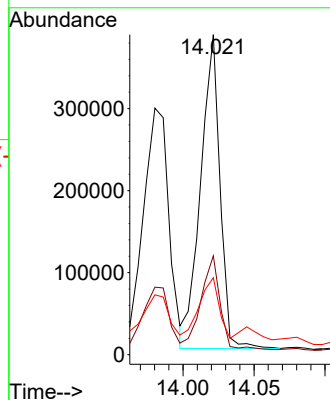
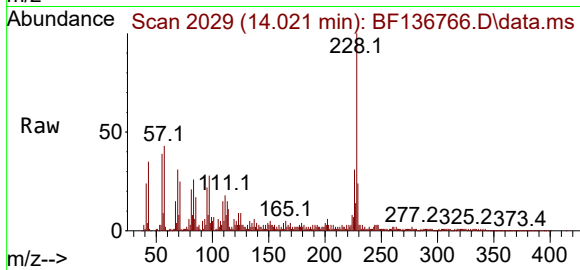
Tgt Ion:228 Resp: 363528

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

229 24.0 15.4 23.0#



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.451 ng

RT: 13.968 min Scan# 2020

Delta R.T. 0.018 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

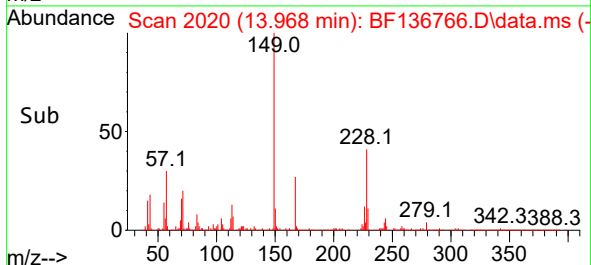
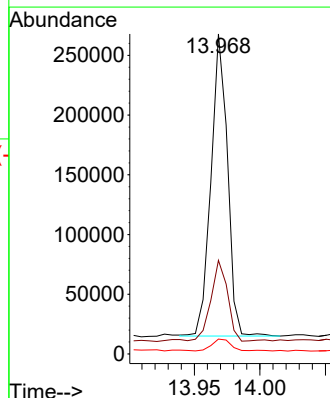
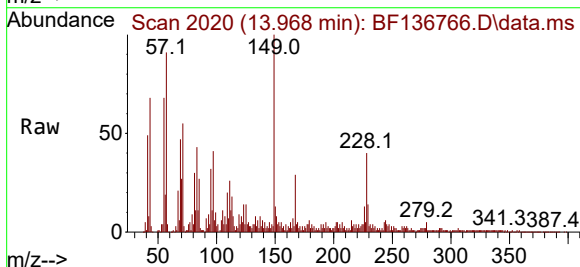
Tgt Ion:149 Resp: 221131

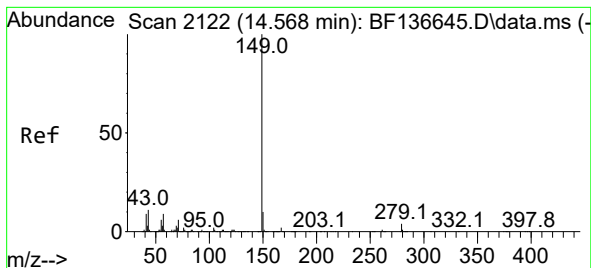
Ion Ratio Lower Upper

149 100

167 29.3 20.9 31.3

279 4.6 2.9 4.3#





#85

Di-n-octyl phthalate

Concen: 52.090 ng

RT: 14.592 min Scan# 2126

Delta R.T. 0.024 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

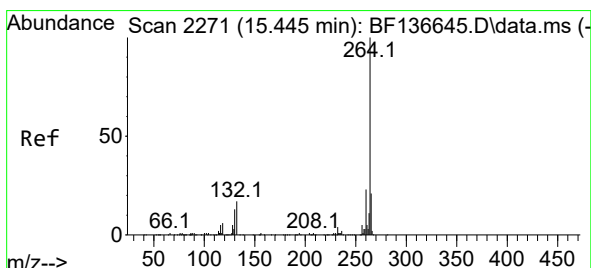
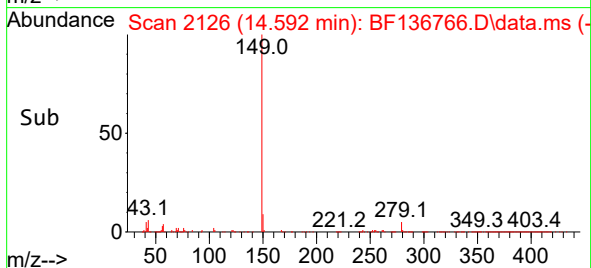
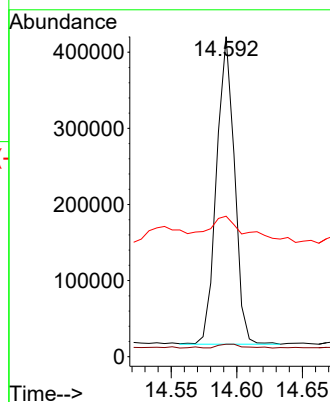
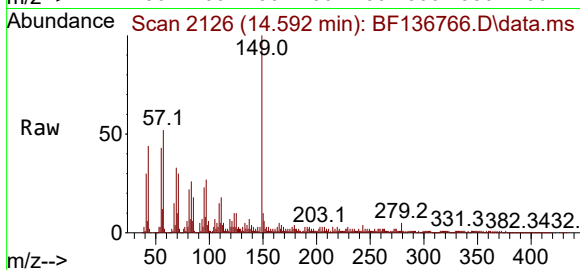
Tgt Ion:149 Resp: 383577

Ion Ratio Lower Upper

149 100

167 1.8 1.2 1.8

43 18.7 8.9 13.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.059 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

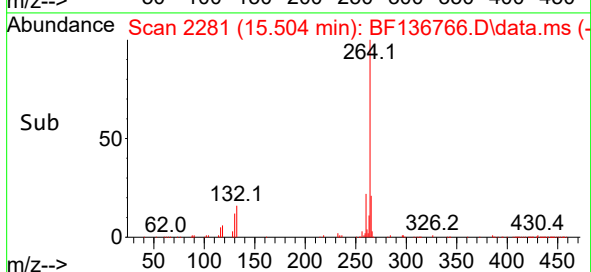
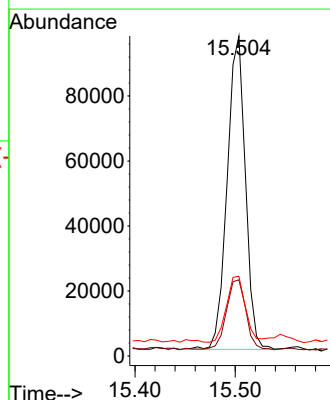
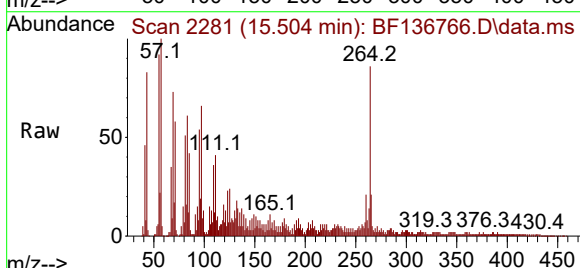
Tgt Ion:264 Resp: 121402

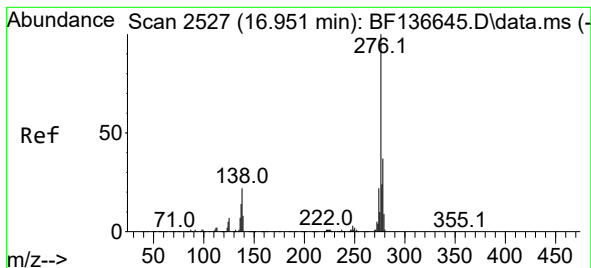
Ion Ratio Lower Upper

264 100

260 23.8 18.3 27.5

265 24.9 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.106 ng

RT: 17.015 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

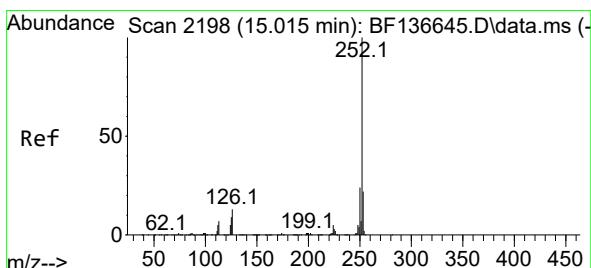
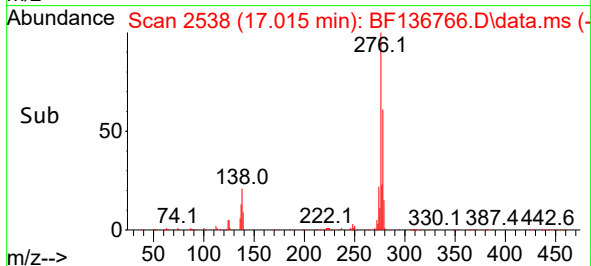
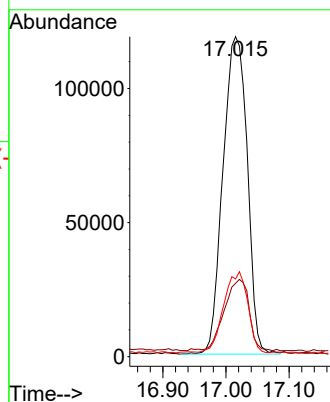
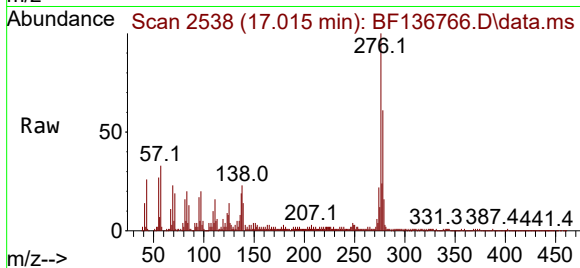
Tgt Ion:276 Resp: 316485

Ion Ratio Lower Upper

276 100

138 22.6 18.7 28.1

277 25.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 41.220 ng

RT: 15.062 min Scan# 2206

Delta R.T. 0.047 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

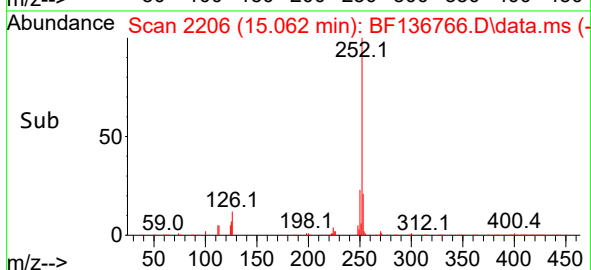
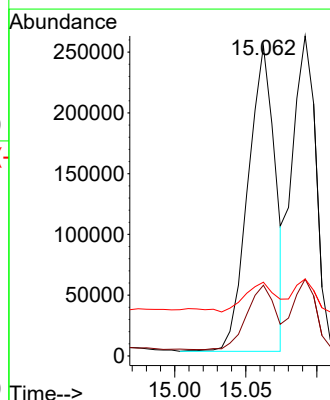
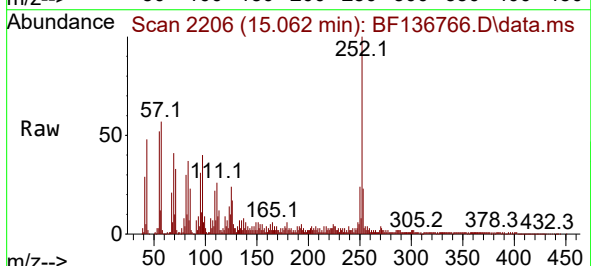
Tgt Ion:252 Resp: 334235

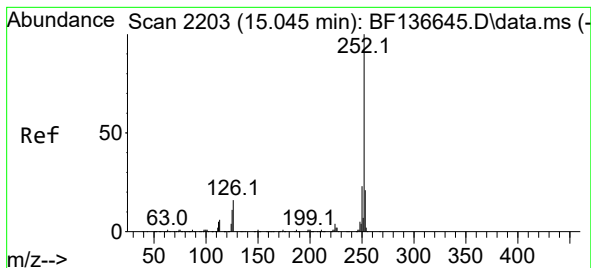
Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

125 23.8 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 39.192 ng

RT: 15.092 min Scan# 21

Delta R.T. 0.047 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

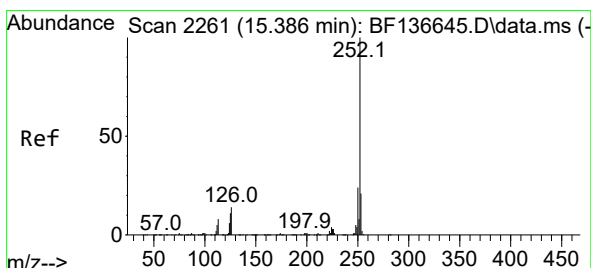
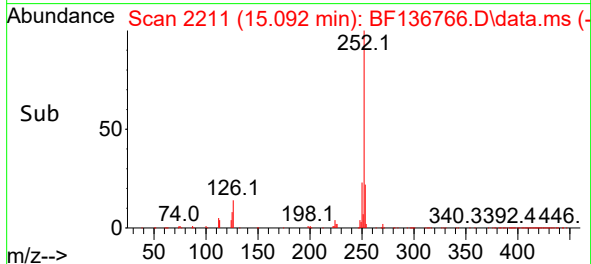
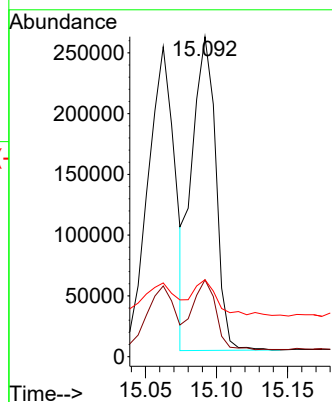
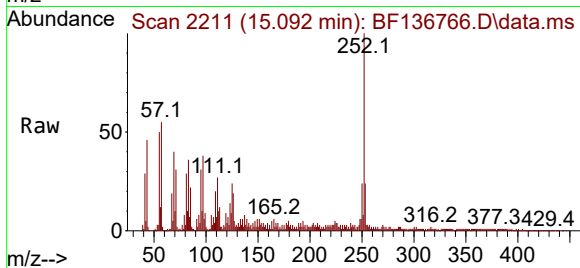
Tgt Ion:252 Resp: 300286

Ion Ratio Lower Upper

252 100

253 24.0 17.0 25.6

125 24.0 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 41.698 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.053 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

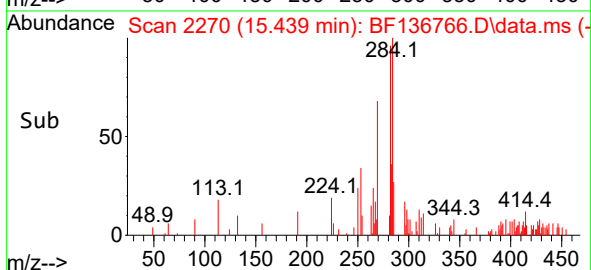
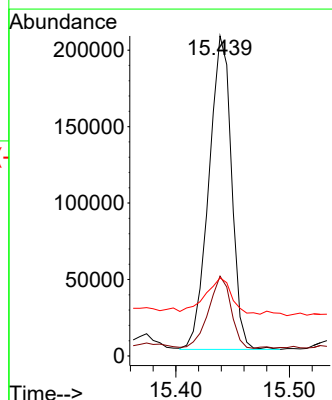
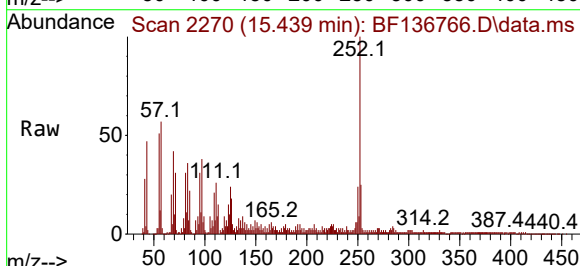
Tgt Ion:252 Resp: 285400

Ion Ratio Lower Upper

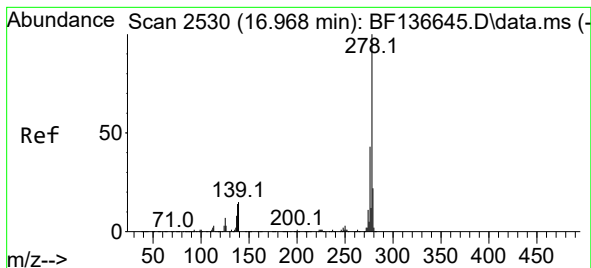
252 100

253 25.0 17.0 25.6

125 24.4 8.8 13.2#







#91

Dibenzo(a,h)anthracene

Concen: 37.598 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Instrument :

BNA\_F

ClientSampleId :

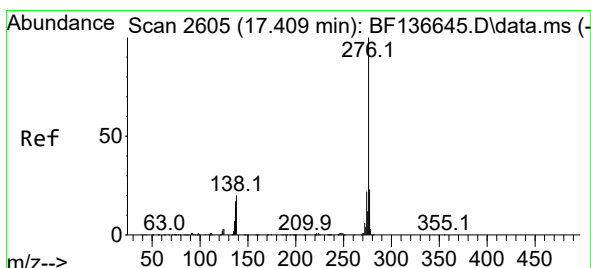
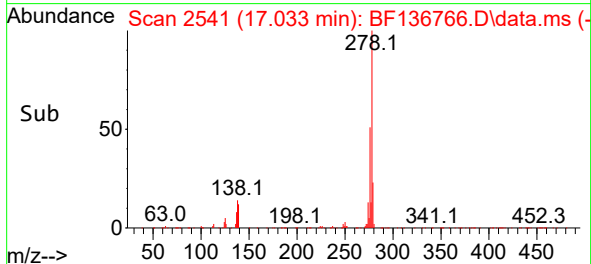
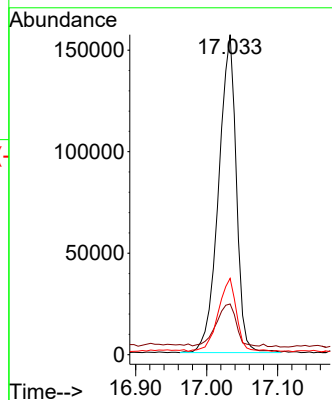
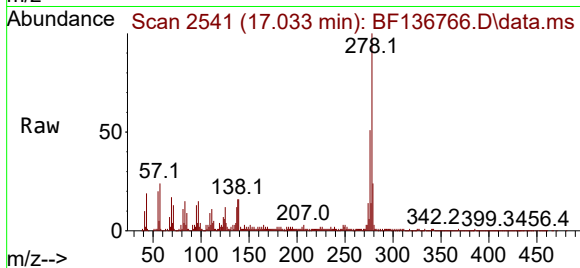
Tgt Ion:278 Resp: 270374

Ion Ratio Lower Upper

278 100

139 15.9 12.2 18.4

279 23.8 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 32.454 ng

RT: 17.468 min Scan# 2615

Delta R.T. 0.059 min

Lab File: BF136766.D

Acq: 27 Dec 2023 19:27

Tgt Ion:276 Resp: 239030

Ion Ratio Lower Upper

276 100

277 23.6 18.3 27.5

138 20.4 15.6 23.4

