

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122723\  
 Data File : BF136778.D  
 Acq On : 28 Dec 2023 01:37  
 Operator : CG\JU  
 Sample : 05853-04MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 28 01:59:02 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  | 73387    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 278296   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 134478   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.310 | 188  | 218363   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 143675   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.445 | 264  | 155513   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.434  | 112  | 403000   | 85.682 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 503163   | 82.560 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.345  | 82   | 320287   | 58.892 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 119750   | 75.610 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 635785   | 63.588 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.904 | 244  | 492167   | 47.871 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.605  | 88   | 71765    | 36.620 | ng    | 99       |
| 3) Pyridine                   | 3.363  | 79   | 172440   | 36.064 | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.328  | 42   | 102421   | 40.111 | ng    | 97       |
| 6) Aniline                    | 6.451  | 93   | 172991   | 28.390 | ng    | # 35     |
| 8) 2-Chlorophenol             | 6.575  | 128  | 221147   | 42.965 | ng    | 94       |
| 9) Benzaldehyde               | 6.340  | 77   | 55685    | 16.063 | ng    | 97       |
| 10) Phenol                    | 6.445  | 94   | 262628   | 40.367 | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 204518   | 41.336 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 224364   | 39.958 | ng    | 96       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 228015   | 39.743 | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 217046   | 40.656 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 179356   | 43.622 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 330276   | 40.830 | ng    | 99       |
| 17) 2-Methylphenol            | 7.045  | 107  | 172333   | 40.415 | ng    | 99       |
| 18) Hexachloroethane          | 7.287  | 117  | 80440    | 38.606 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 151692   | 41.059 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 213934   | 40.159 | ng    | # 87     |
| 22) Acetophenone              | 7.192  | 105  | 304093   | 43.595 | ng    | # 92     |
| 24) Nitrobenzene              | 7.369  | 77   | 219218   | 40.238 | ng    | 96       |
| 25) Isophorone                | 7.604  | 82   | 405250   | 40.951 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.681  | 139  | 106230   | 40.755 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 164493   | 51.836 | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.816  | 93   | 254562   | 42.319 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 170450   | 41.722 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 187955   | 41.292 | ng    | 99       |
| 31) Naphthalene               | 8.087  | 128  | 628857   | 41.132 | ng    | 99       |
| 32) Benzoic acid              | 7.840  | 122  | 60143    | 19.588 | ng    | 95       |
| 33) 4-Chloroaniline           | 8.134  | 127  | 98456    | 17.442 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 110203   | 39.848 | ng    | 100      |
| 35) Caprolactam               | 8.516  | 113  | 49754    | 36.916 | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 183486   | 39.895 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 393441   | 39.986 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 375320   | 38.880 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 195655   | 46.979 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 57119    | 45.279 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 114244   | 42.773 | ng    | 97       |

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 ALS Vial : 18 Sample Multiplier: 1

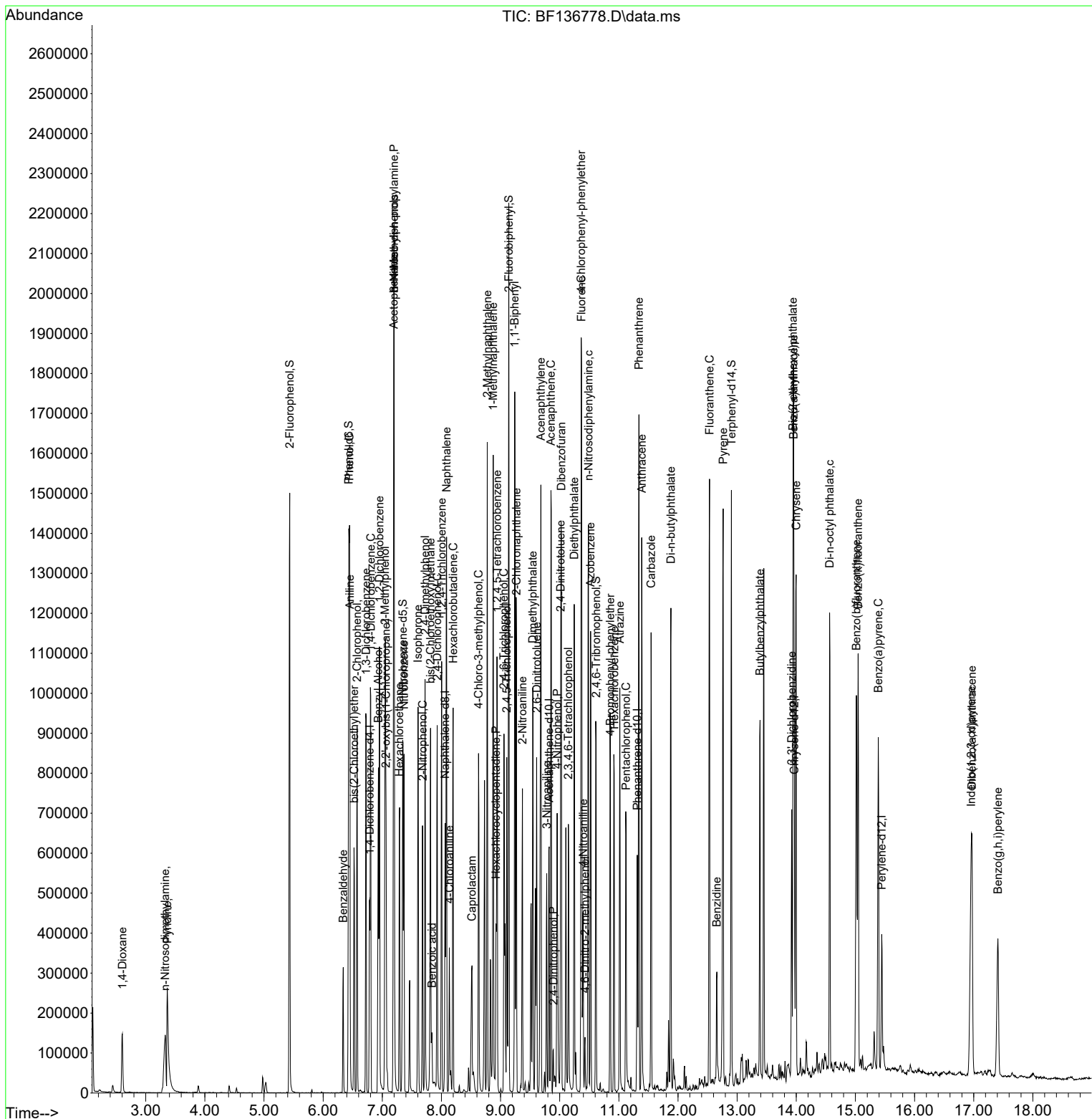
Instrument :  
 BNA\_F  
 ClientSampleId :

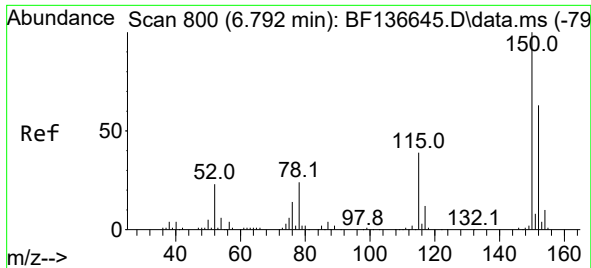
Quant Time: Dec 28 01:59:02 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 119570   | 40.173 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 515095   | 45.645 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 368526   | 42.958 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 117143   | 43.605 | ng    | 95       |
| 49) Acenaphthylene            | 9.681  | 152  | 600434   | 45.790 | ng    | 99       |
| 50) Dimethylphthalate         | 9.545  | 163  | 440159   | 44.811 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 93629    | 42.000 | ng    | 89       |
| 52) Acenaphthene              | 9.851  | 154  | 341680   | 42.036 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.781  | 138  | 76077    | 32.216 | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.892  | 184  | 16903    | 16.777 | ng    | 90       |
| 55) Dibenzofuran              | 10.028 | 168  | 521783   | 42.348 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 105047   | 65.896 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.016 | 165  | 114949   | 39.720 | ng    | 99       |
| 58) Fluorene                  | 10.369 | 166  | 403401   | 41.262 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.145 | 232  | 84827    | 37.024 | ng    | 98       |
| 60) Diethylphthalate          | 10.245 | 149  | 435130   | 42.695 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 193481   | 40.715 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 83884    | 36.848 | ng    | 90       |
| 63) Azobenzene                | 10.522 | 77   | 386335   | 40.586 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.428 | 198  | 16300    | 13.025 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 358338   | 50.517 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 112488   | 46.385 | ng    | 93       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 119004   | 44.034 | ng    | 94       |
| 69) Atrazine                  | 11.016 | 200  | 108343   | 59.717 | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 91202    | 72.401 | ng    | 95       |
| 71) Phenanthrene              | 11.339 | 178  | 609387   | 54.388 | ng    | 99       |
| 72) Anthracene                | 11.386 | 178  | 538950   | 47.497 | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 453738   | 42.413 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 619987   | 47.493 | ng    | 99       |
| 75) Fluoranthene              | 12.533 | 202  | 646732   | 53.963 | ng    | 99       |
| 77) Benzidine                 | 12.657 | 184  | 116663   | 27.538 | ng    | 99       |
| 78) Pyrene                    | 12.763 | 202  | 621606   | 44.073 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 211589   | 41.229 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 515339   | 51.655 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 135048   | 47.665 | ng    | 98       |
| 83) Chrysene                  | 13.998 | 228  | 482002   | 49.405 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 309382   | 47.913 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.563 | 149  | 555711   | 55.637 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.957 | 276  | 392194   | 34.929 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.015 | 252  | 559175   | 53.835 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 408804   | 41.653 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 424360   | 48.401 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 318454   | 34.571 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.409 | 276  | 302864   | 32.101 | ng    | 98       |

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

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QLast Update : Thu Dec 21 01:54:25 2023  
Response via : Initial Calibration

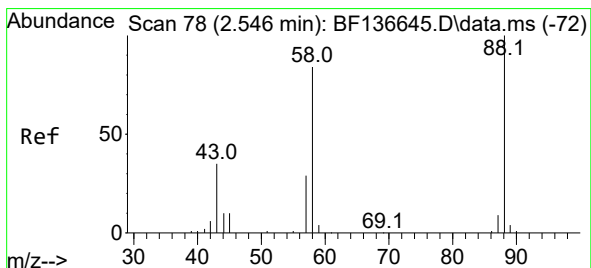
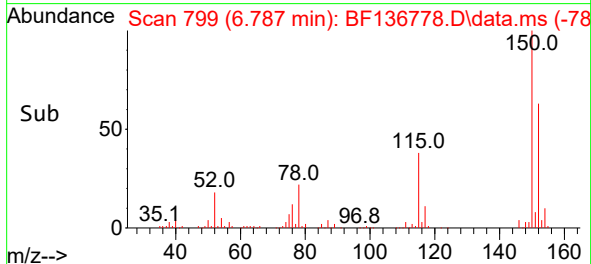
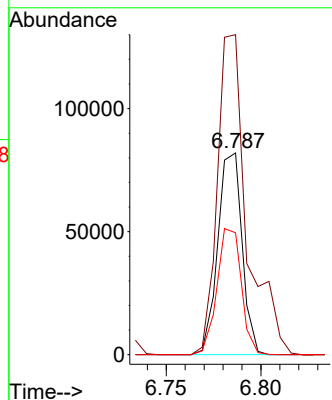
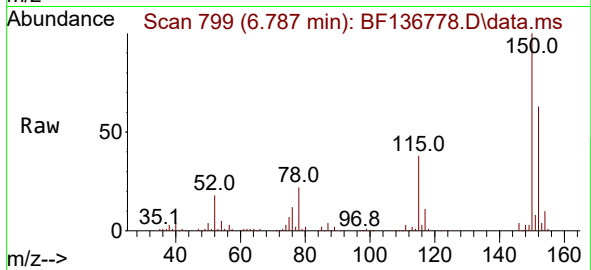




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

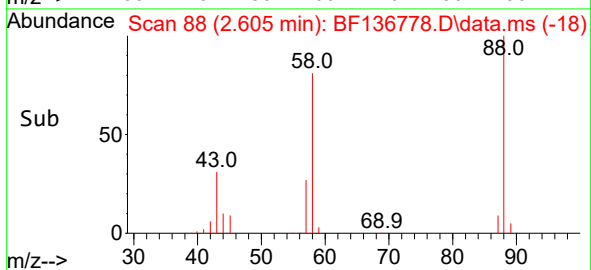
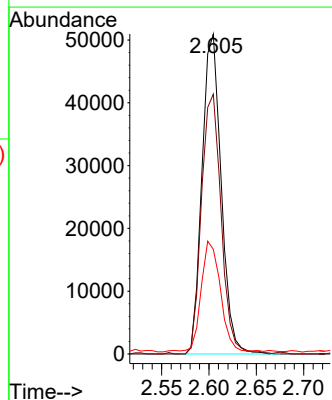
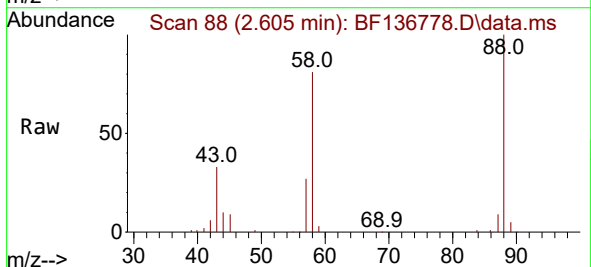
Instrument :  
 BNA\_F  
 ClientSampleId :

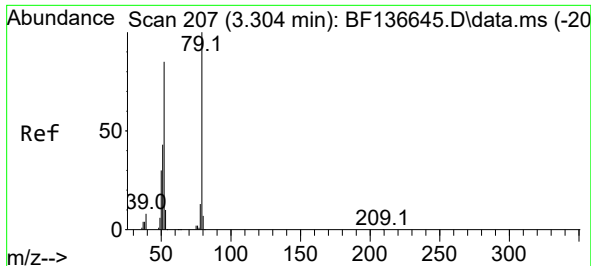
Tgt Ion:152 Resp: 73387  
 Ion Ratio Lower Upper  
 152 100  
 150 158.6 127.0 190.6  
 115 60.4 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 36.620 ng  
 RT: 2.605 min Scan# 88  
 Delta R.T. 0.059 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

Tgt Ion: 88 Resp: 71765  
 Ion Ratio Lower Upper  
 88 100  
 58 83.4 67.4 101.0  
 43 35.1 27.7 41.5

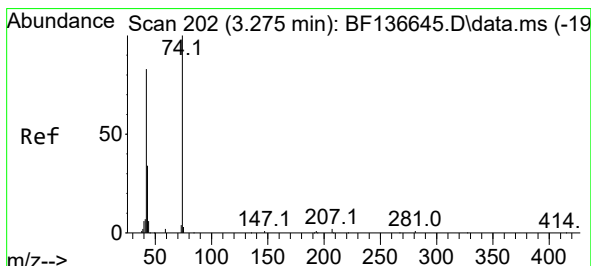
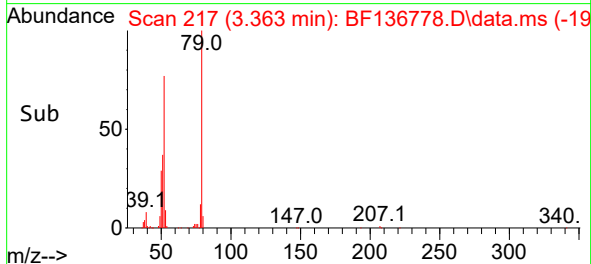
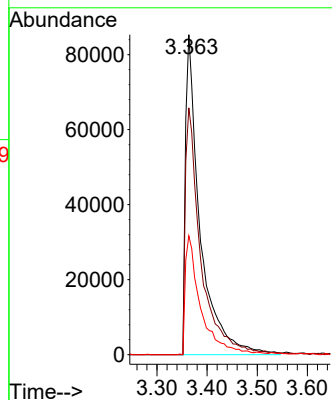
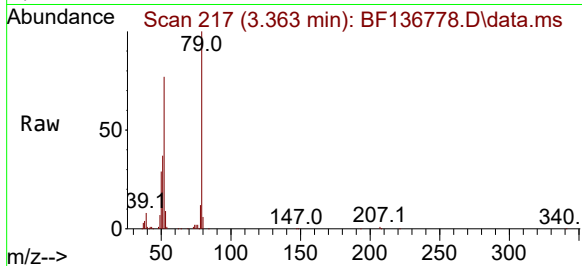




#3  
 Pyridine  
 Concen: 36.064 ng  
 RT: 3.363 min Scan# 211  
 Delta R.T. 0.059 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

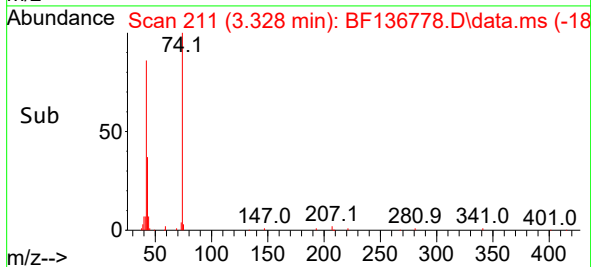
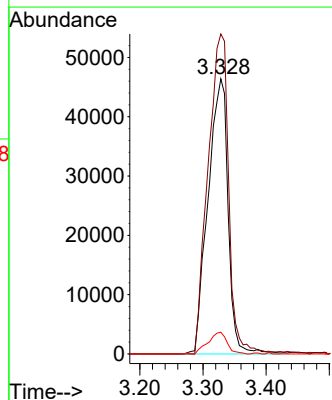
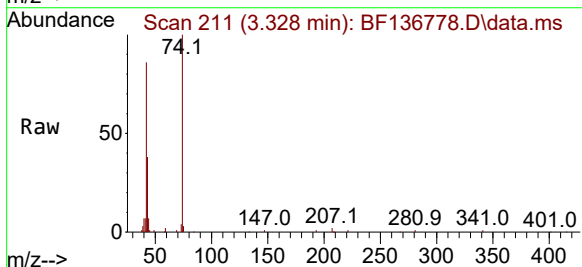
Instrument :  
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 ClientSampleId :

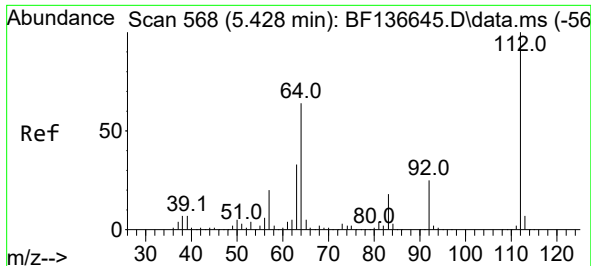
Tgt Ion: 79 Resp: 172440  
 Ion Ratio Lower Upper  
 79 100  
 52 77.1 67.7 101.5  
 51 37.2 34.0 51.0



#4  
 n-Nitrosodimethylamine  
 Concen: 40.111 ng  
 RT: 3.328 min Scan# 211  
 Delta R.T. 0.053 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

Tgt Ion: 42 Resp: 102421  
 Ion Ratio Lower Upper  
 42 100  
 74 116.3 96.0 144.0  
 44 7.9 5.4 8.2

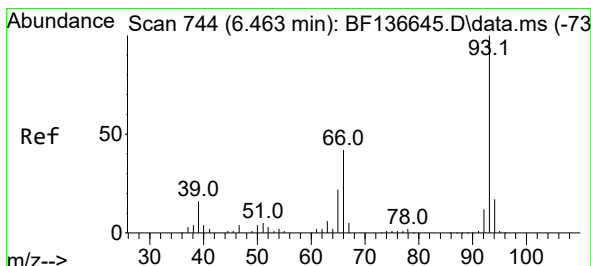
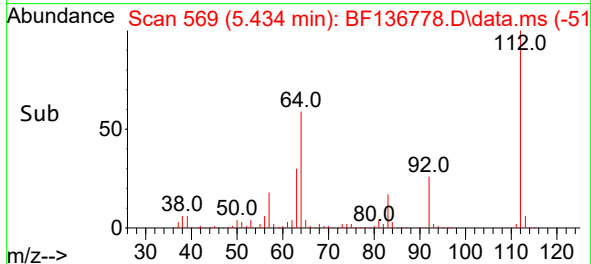
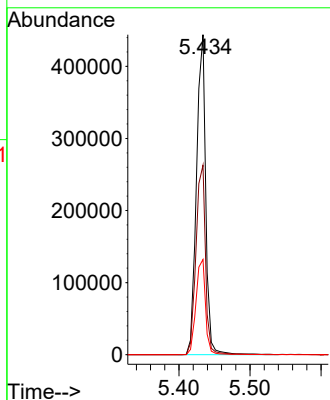
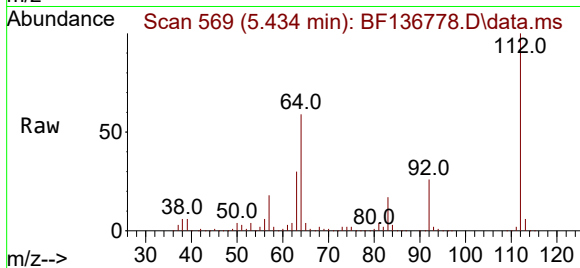




#5  
2-Fluorophenol  
Concen: 85.682 ng  
RT: 5.434 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

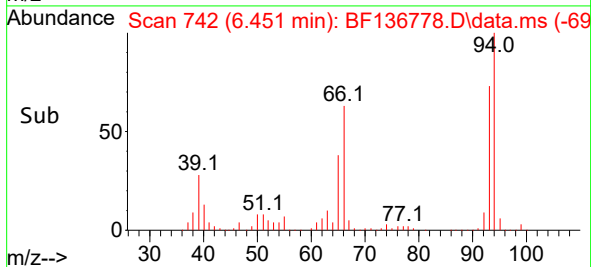
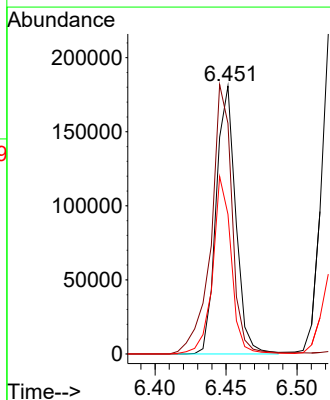
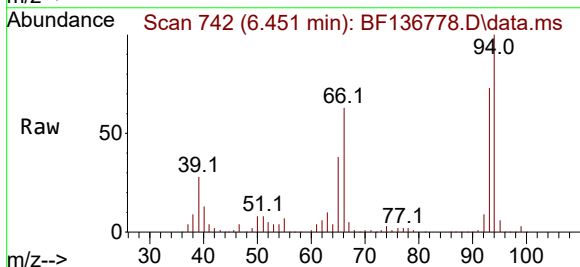
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ClientSampleId :

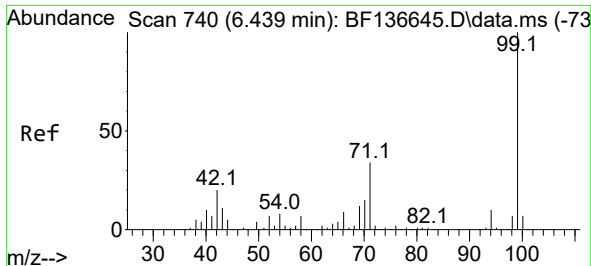
Tgt Ion:112 Resp: 403000  
Ion Ratio Lower Upper  
112 100  
64 59.2 51.1 76.7  
63 29.8 26.1 39.1



#6  
Aniline  
Concen: 28.390 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion: 93 Resp: 172991  
Ion Ratio Lower Upper  
93 100  
66 86.1 34.6 51.8#  
65 52.2 17.8 26.8#

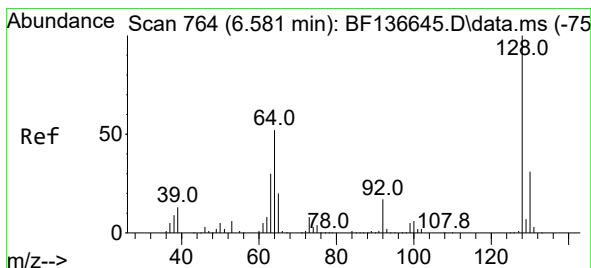
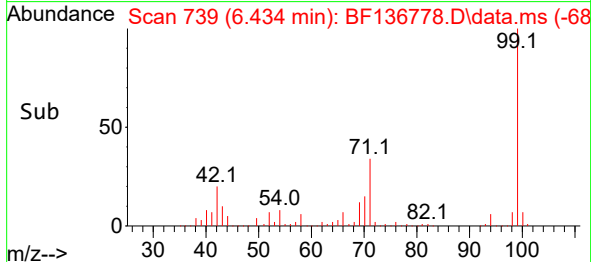
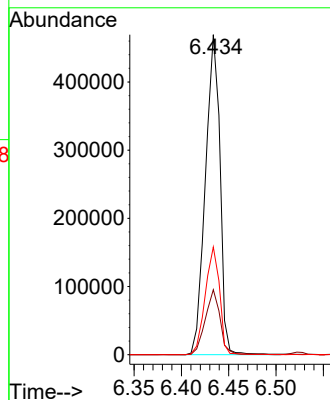
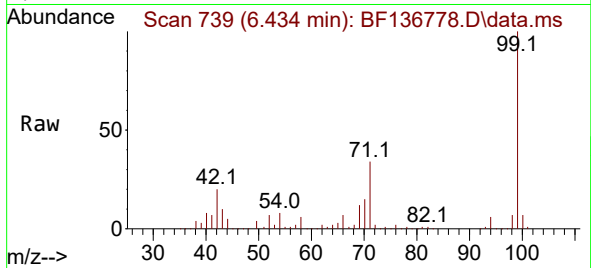




#7  
Phenol-d6  
Concen: 82.560 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

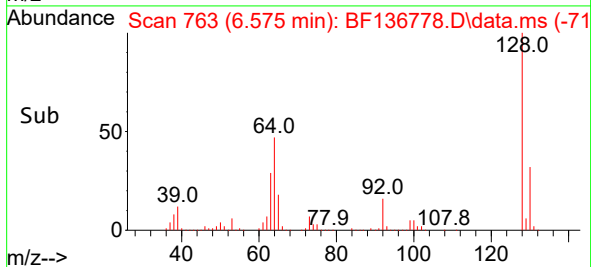
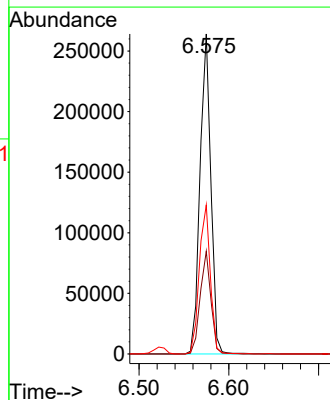
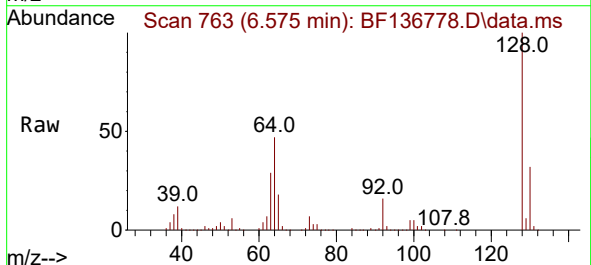
Instrument :  
BNA\_F  
ClientSampleId :

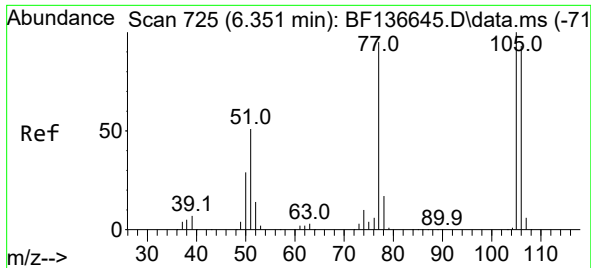
Tgt Ion: 99 Resp: 503163  
Ion Ratio Lower Upper  
99 100  
42 20.3 16.1 24.1  
71 33.6 27.4 41.2



#8  
2-Chlorophenol  
Concen: 42.965 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:128 Resp: 221147  
Ion Ratio Lower Upper  
128 100  
130 32.1 11.3 51.3  
64 46.6 32.5 72.5

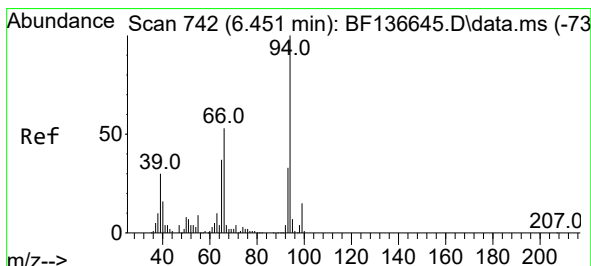
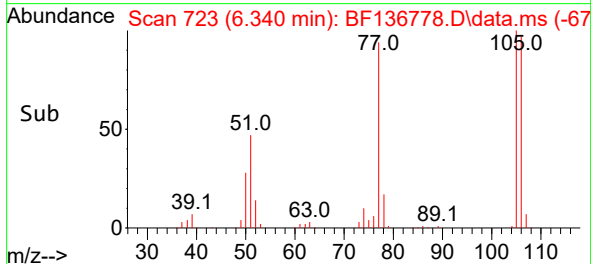
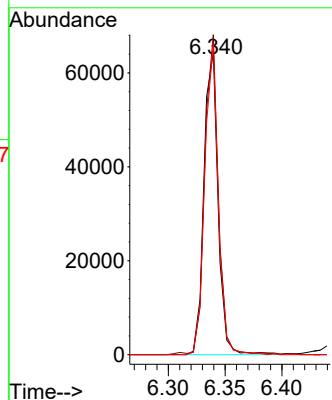
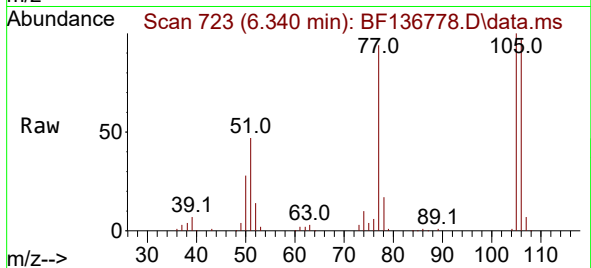




#9  
Benzaldehyde  
Concen: 16.063 ng  
RT: 6.340 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

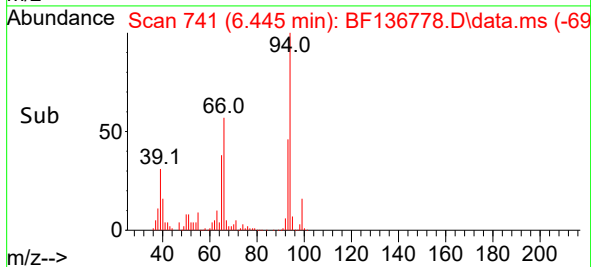
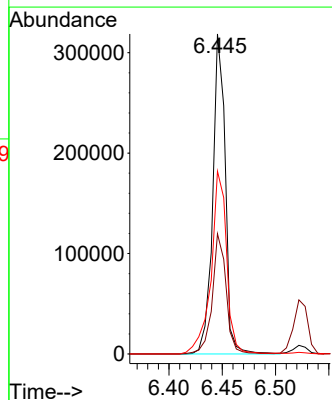
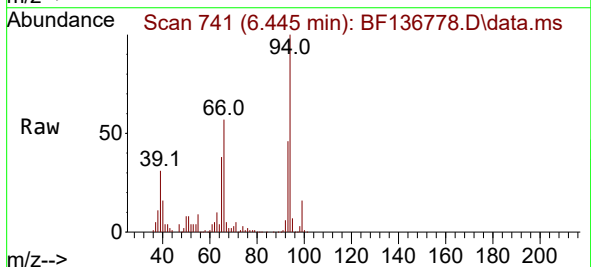
Instrument :  
BNA\_F  
ClientSampleId :

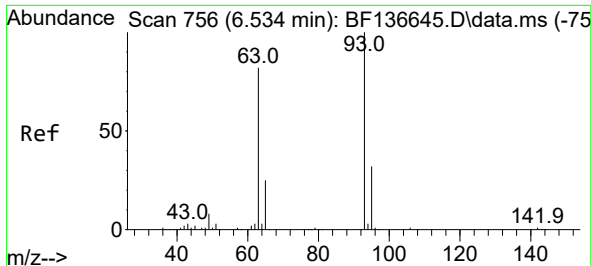
Tgt Ion: 77 Resp: 55685  
Ion Ratio Lower Upper  
77 100  
105 106.0 84.8 124.8  
106 103.0 77.8 117.8



#10  
Phenol  
Concen: 40.367 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion: 94 Resp: 262628  
Ion Ratio Lower Upper  
94 100  
65 37.6 16.6 56.6  
66 57.1 32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 41.336 ng

RT: 6.522 min Scan# 754

Delta R.T. -0.012 min

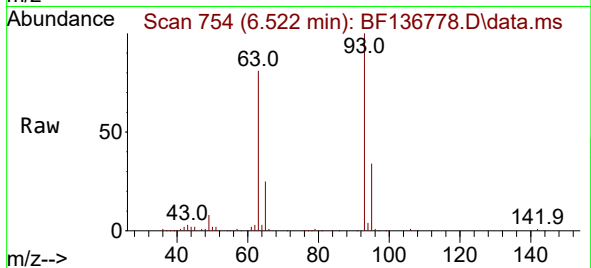
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



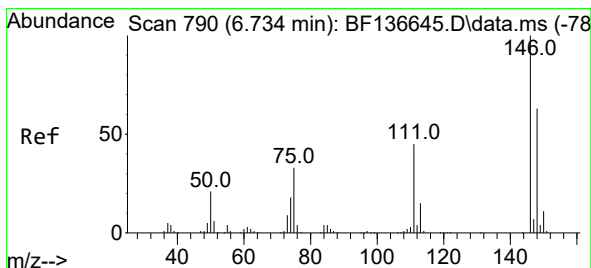
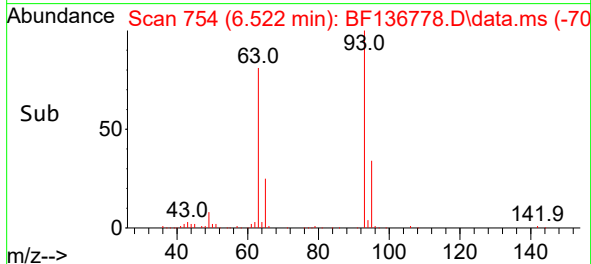
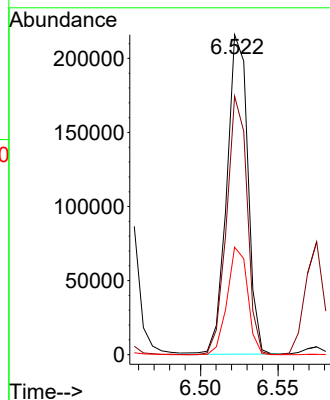
Tgt Ion: 93 Resp: 204518

Ion Ratio Lower Upper

93 100

63 80.8 61.2 101.2

95 33.6 11.6 51.6



#12

1,3-Dichlorobenzene

Concen: 39.958 ng

RT: 6.728 min Scan# 789

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

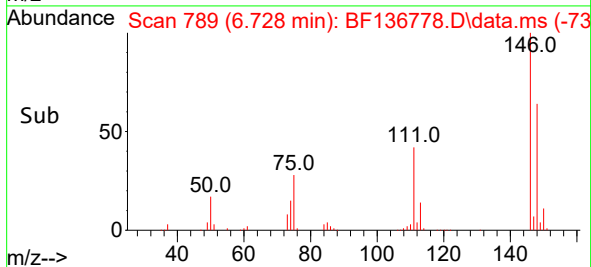
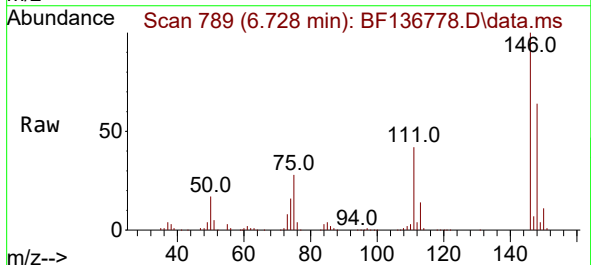
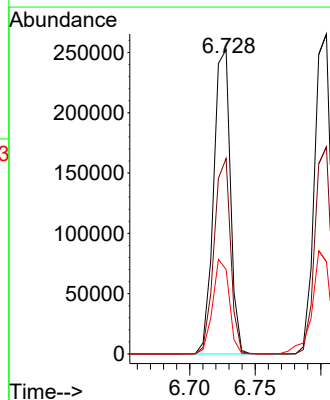
Tgt Ion: 146 Resp: 224364

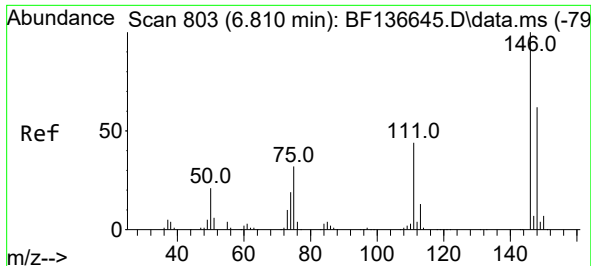
Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

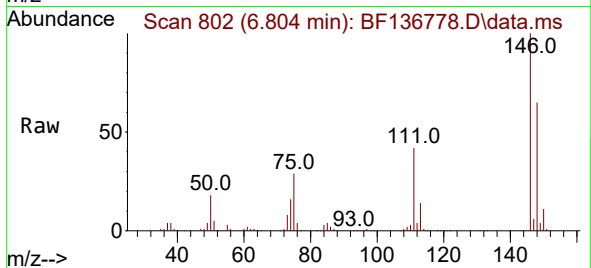
75 27.8 26.2 39.4



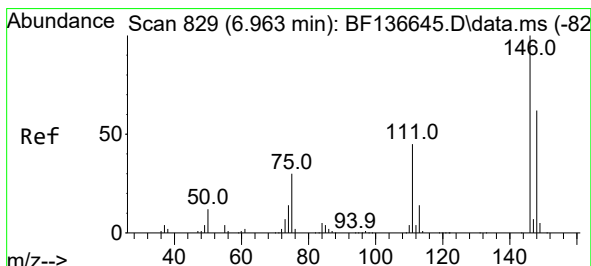
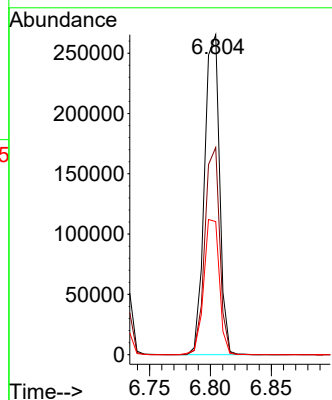
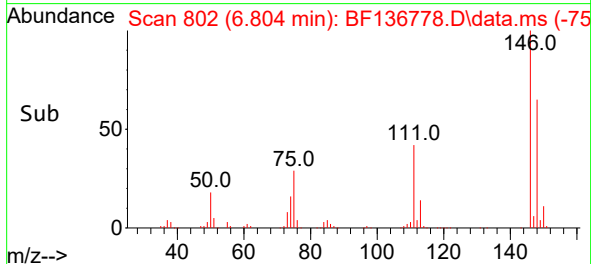


#13  
1,4-Dichlorobenzene  
Concen: 39.743 ng  
RT: 6.804 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

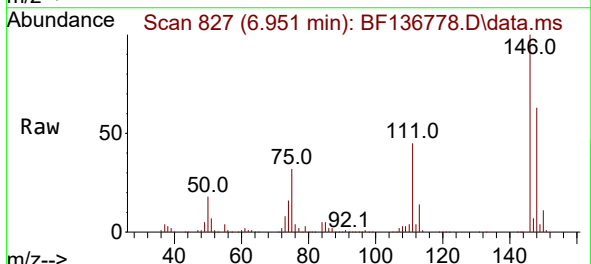
Instrument :  
BNA\_F  
ClientSampleId :



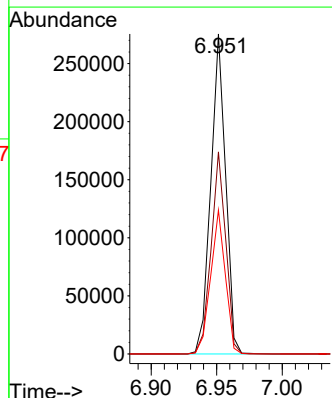
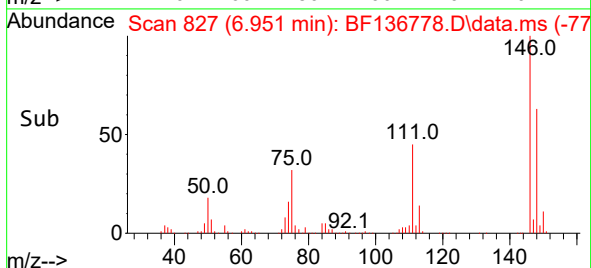
Tgt Ion:146 Resp: 228015  
Ion Ratio Lower Upper  
146 100  
148 64.8 49.2 73.8  
111 41.6 35.2 52.8

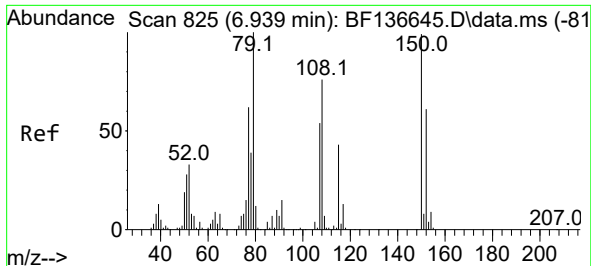


#14  
1,2-Dichlorobenzene  
Concen: 40.656 ng  
RT: 6.951 min Scan# 827  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37



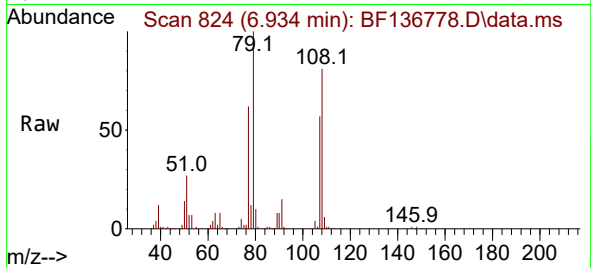
Tgt Ion:146 Resp: 217046  
Ion Ratio Lower Upper  
146 100  
148 63.1 49.6 74.4  
111 45.0 36.2 54.2



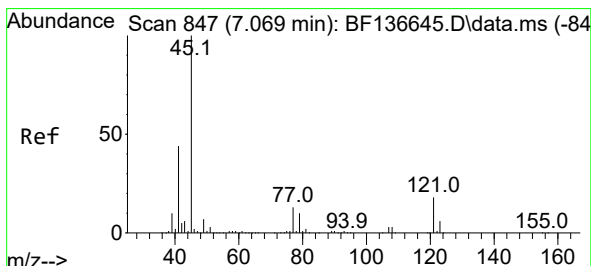
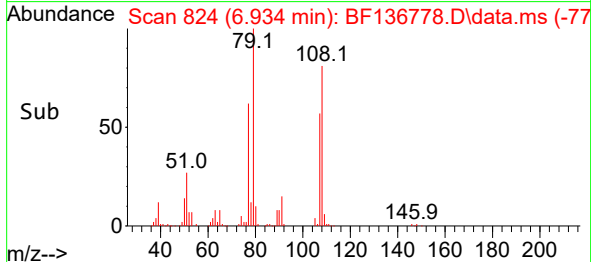
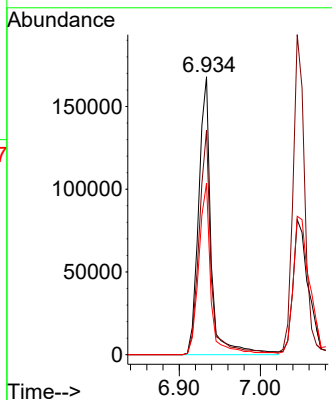


#15  
Benzyl Alcohol  
Concen: 43.622 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

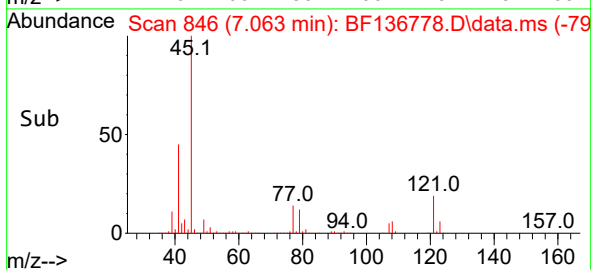
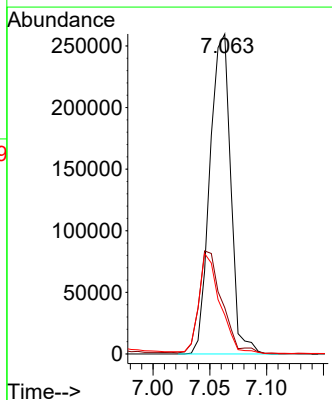
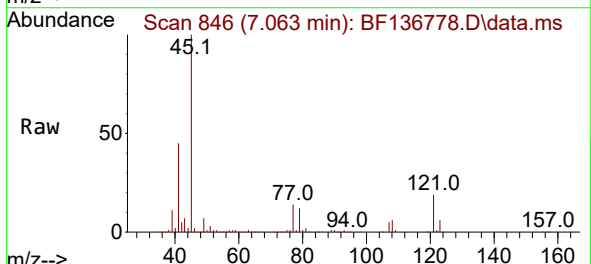


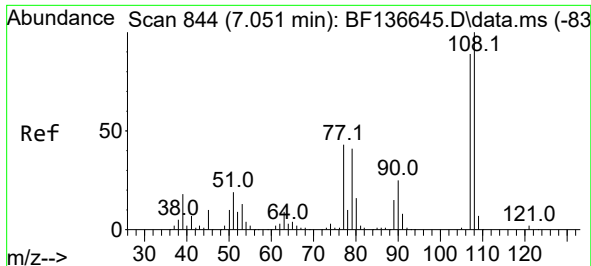
Tgt Ion: 79 Resp: 179356  
Ion Ratio Lower Upper  
79 100  
108 80.8 61.0 91.6  
77 61.7 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.830 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

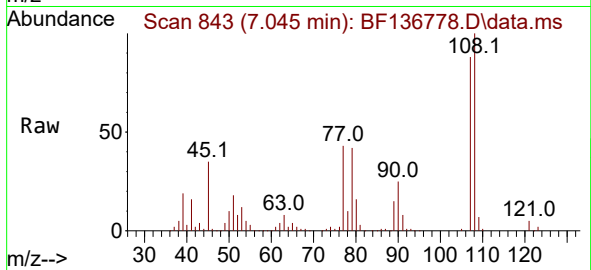
Tgt Ion: 45 Resp: 330276  
Ion Ratio Lower Upper  
45 100  
77 14.4 0.0 34.3  
79 12.2 0.0 31.4



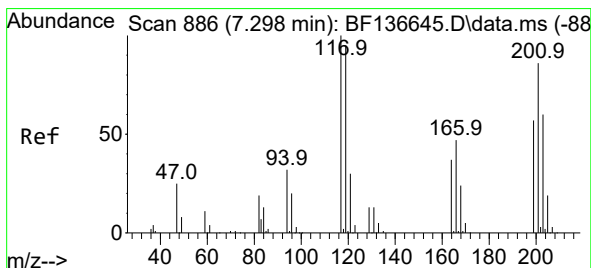
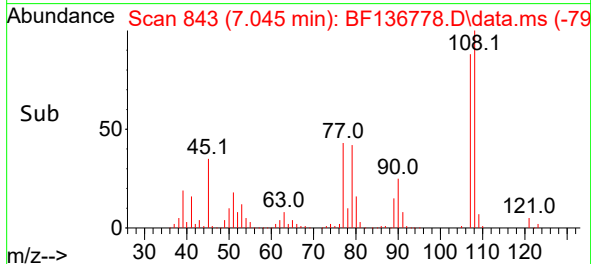
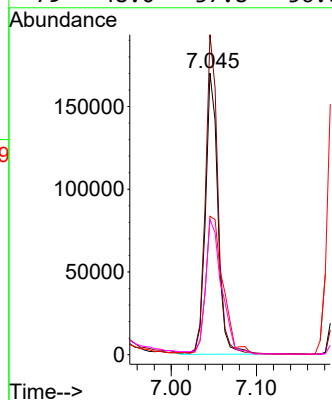


#17  
2-Methylphenol  
Concen: 40.415 ng  
RT: 7.045 min Scan# 84  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

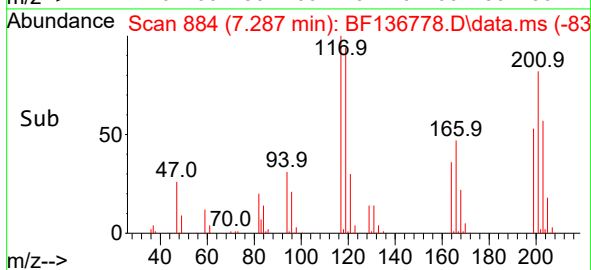
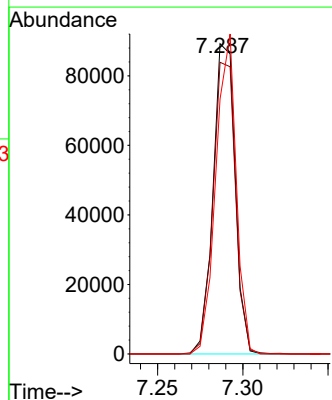
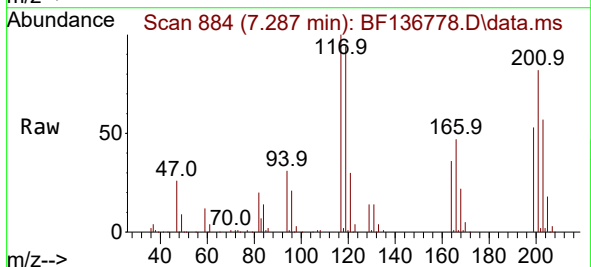


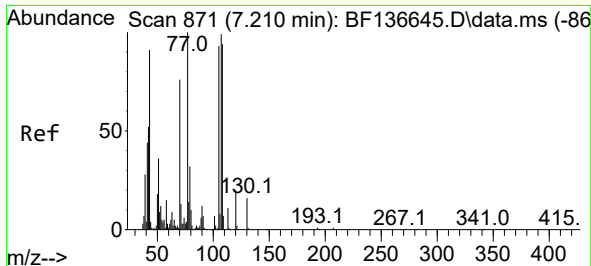
Tgt Ion:107 Resp: 172333  
Ion Ratio Lower Upper  
107 100  
108 113.7 90.3 135.5  
77 49.2 38.7 58.1  
79 48.0 37.8 56.6



#18  
Hexachloroethane  
Concen: 38.606 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:117 Resp: 80440  
Ion Ratio Lower Upper  
117 100  
119 94.0 75.8 113.6  
201 82.1 69.1 103.7

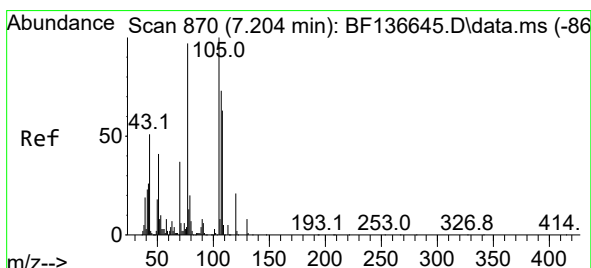
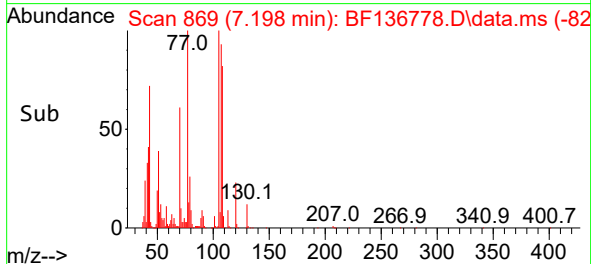
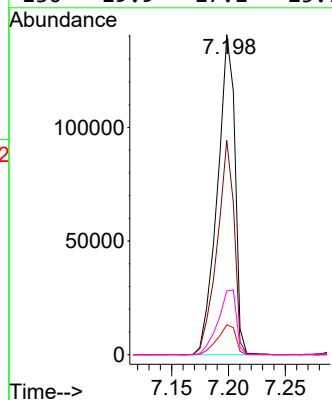
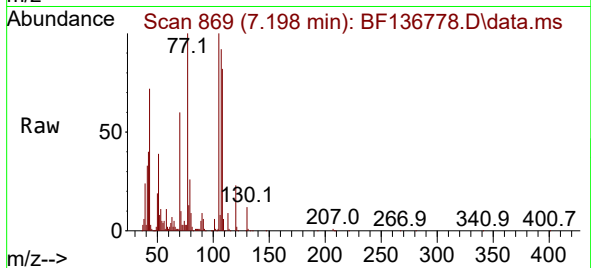




#19  
n-Nitroso-di-n-propylamine  
Concen: 41.059 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

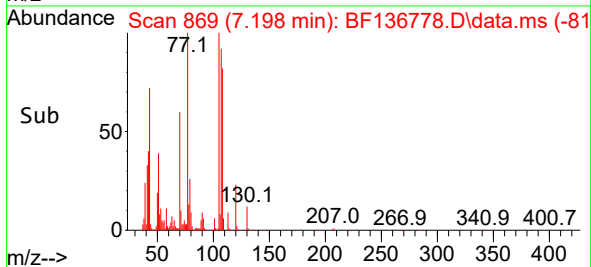
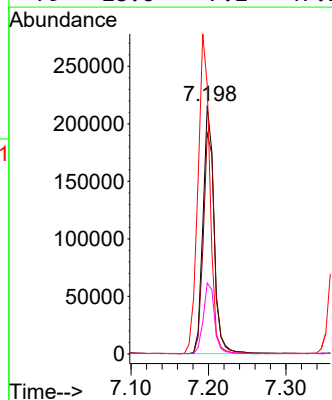
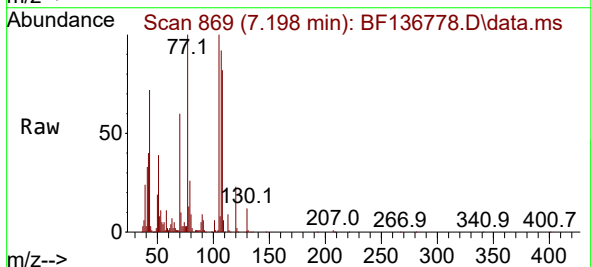
Instrument :  
BNA\_F  
ClientSampleId :

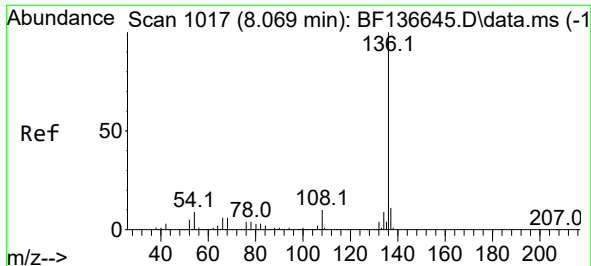
Tgt Ion: 70 Resp: 151692  
Ion Ratio Lower Upper  
70 100  
42 67.0 54.2 81.4  
101 9.4 7.6 11.4  
130 19.9 17.1 25.7



#20  
3+4-Methylphenols  
Concen: 40.159 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

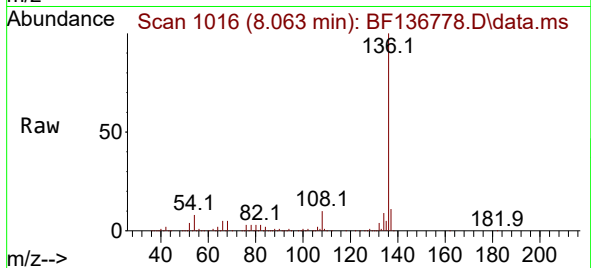
Tgt Ion: 107 Resp: 213934  
Ion Ratio Lower Upper  
107 100  
108 89.1 66.0 106.0  
77 108.2 114.2 154.2#  
79 28.6 7.2 47.2



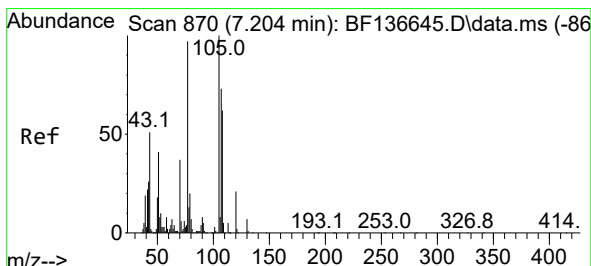
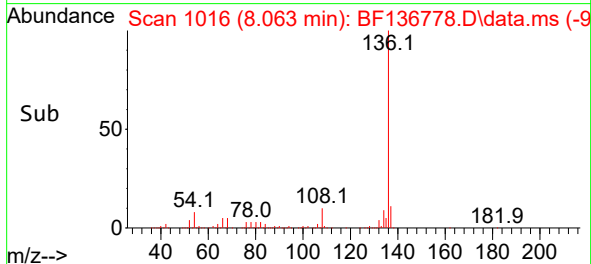
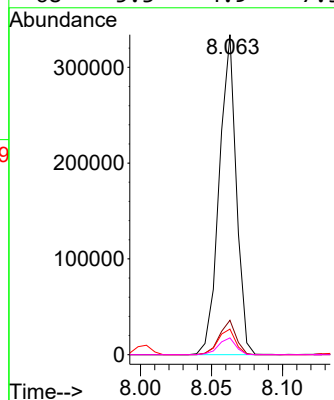


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

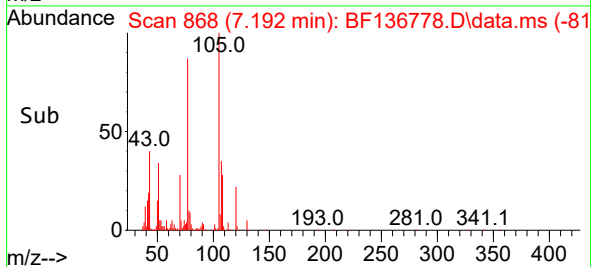
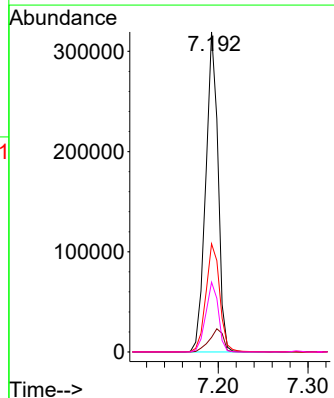
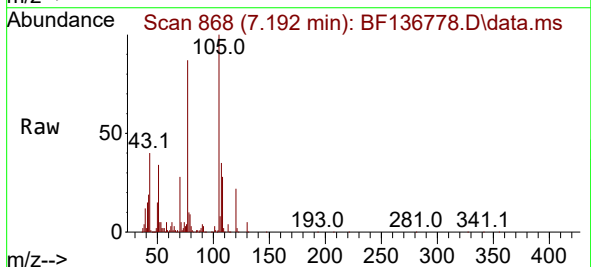


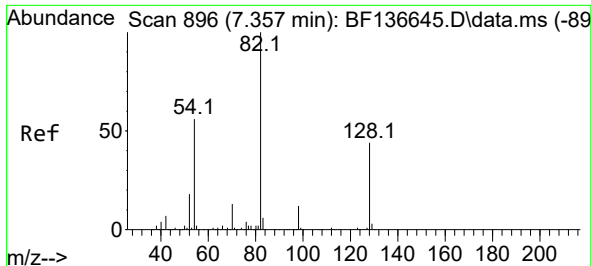
Tgt Ion:136 Resp: 278296  
Ion Ratio Lower Upper  
136 100  
137 10.8 9.0 13.4  
54 8.0 7.2 10.8  
68 5.3 4.9 7.3



#22  
Acetophenone  
Concen: 43.595 ng  
RT: 7.192 min Scan# 868  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:105 Resp: 304093  
Ion Ratio Lower Upper  
105 100  
71 4.5 4.8 7.2#  
51 33.8 32.8 49.2  
120 21.8 17.0 25.6





#23

Nitrobenzene-d5

Concen: 58.892 ng

RT: 7.345 min Scan# 896

Delta R.T. -0.012 min

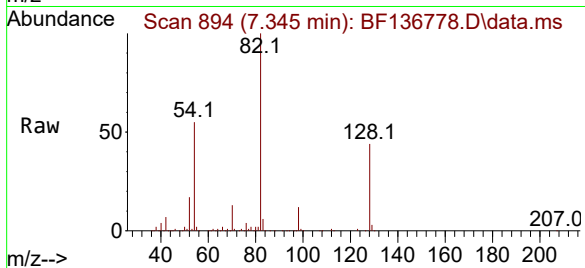
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



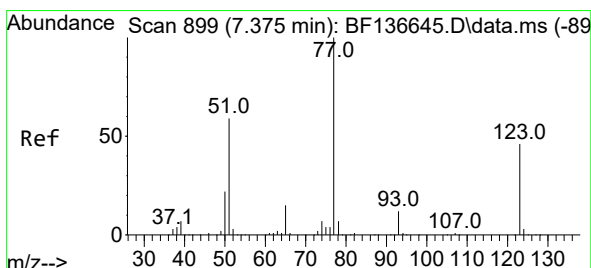
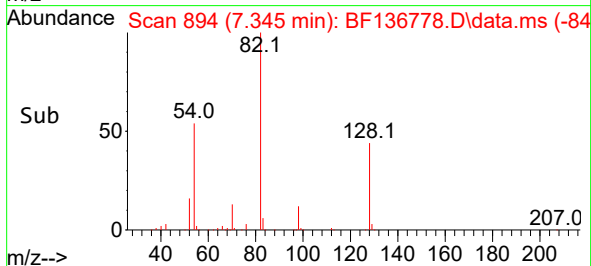
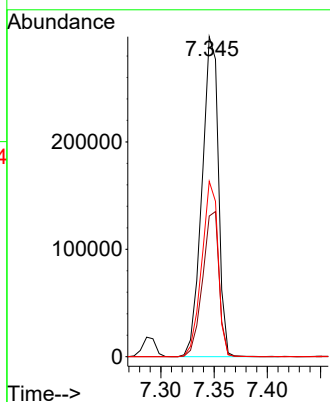
Tgt Ion: 82 Resp: 320287

Ion Ratio Lower Upper

82 100

128 43.9 35.3 52.9

54 54.8 44.5 66.7



#24

Nitrobenzene

Concen: 40.238 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

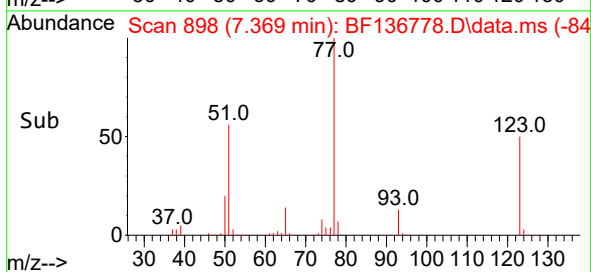
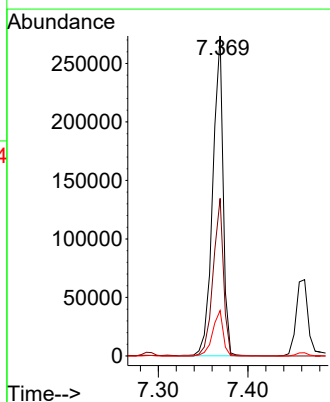
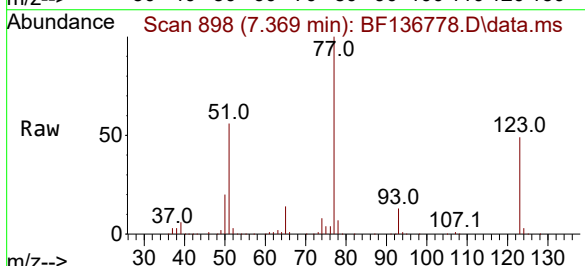
Tgt Ion: 77 Resp: 219218

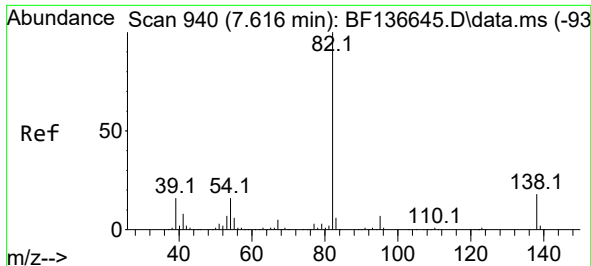
Ion Ratio Lower Upper

77 100

123 49.2 36.7 55.1

65 14.2 11.8 17.6

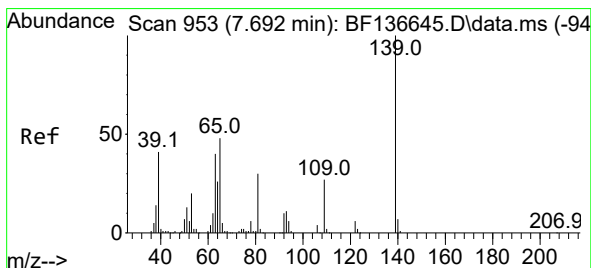
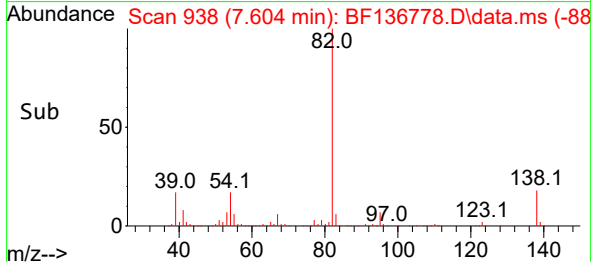
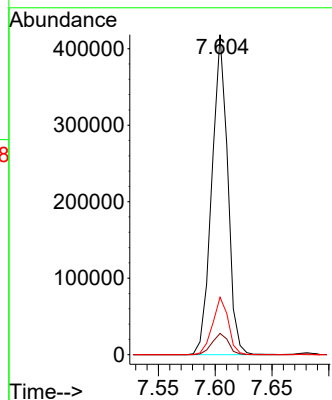
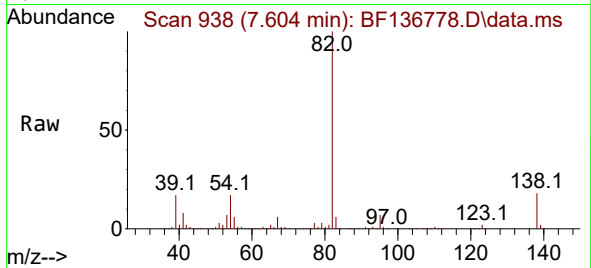




#25  
Isophorone  
Concen: 40.951 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

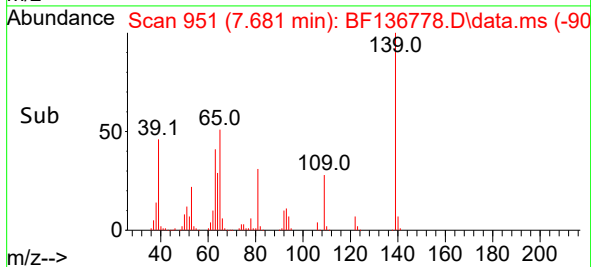
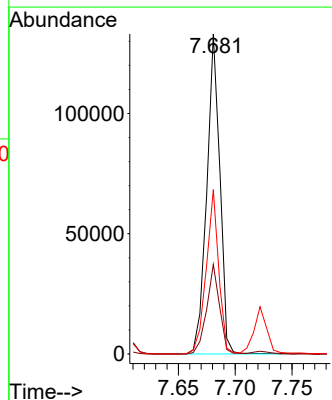
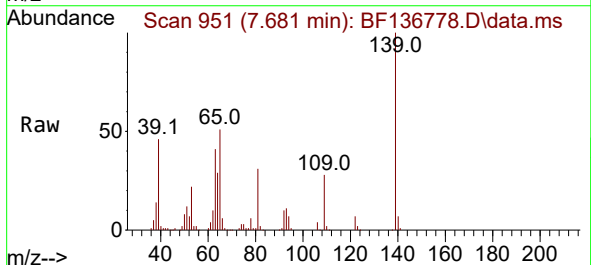
Instrument :  
BNA\_F  
ClientSampleId :

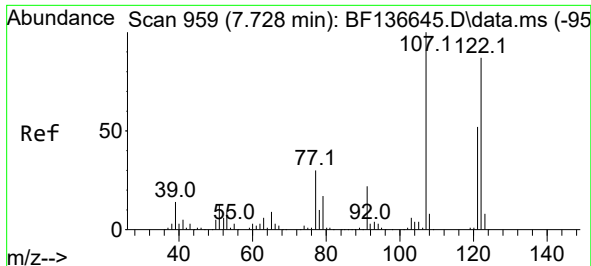
Tgt Ion: 82 Resp: 405250  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.5 8.3  
138 18.0 14.5 21.7



#26  
2-Nitrophenol  
Concen: 40.755 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

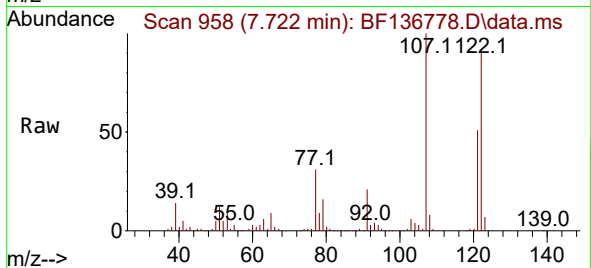
Tgt Ion:139 Resp: 106230  
Ion Ratio Lower Upper  
139 100  
109 28.0 21.9 32.9  
65 51.4 38.6 58.0



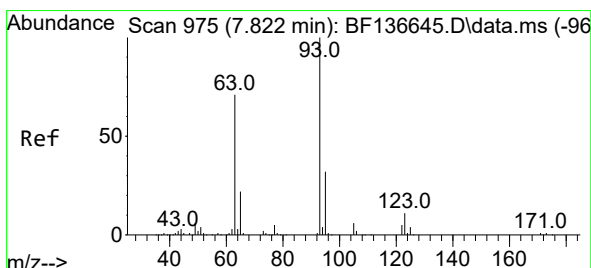
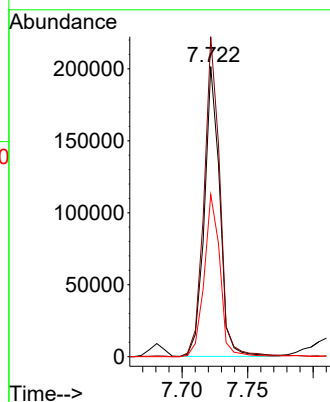
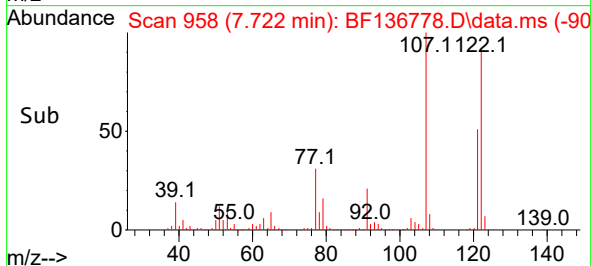


#27  
2,4-Dimethylphenol  
Concen: 51.836 ng  
RT: 7.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

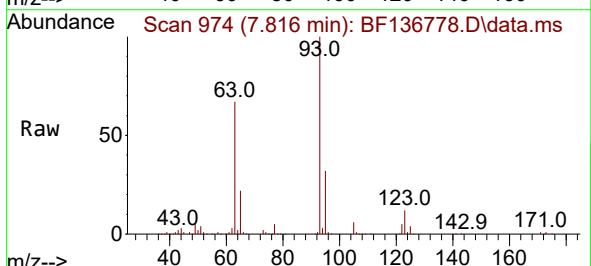
Instrument :  
BNA\_F  
ClientSampleId :



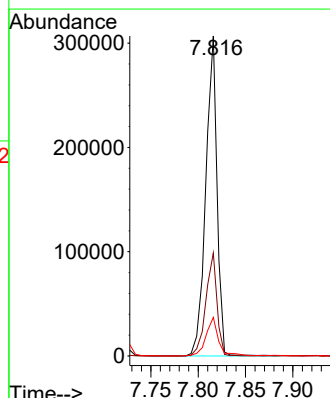
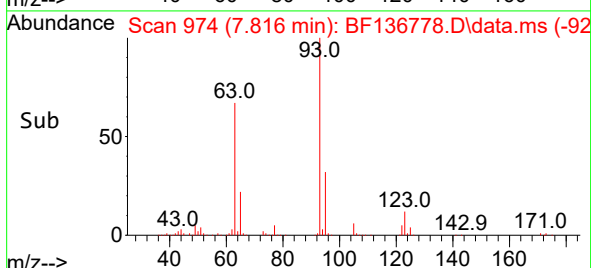
Tgt Ion:122 Resp: 164493  
Ion Ratio Lower Upper  
122 100  
107 110.3 92.0 138.0  
121 55.9 47.5 71.3

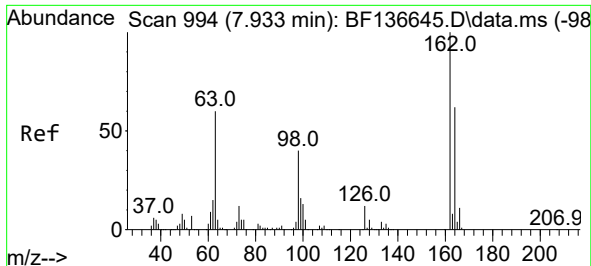


#28  
bis(2-Chloroethoxy)methane  
Concen: 42.319 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37



Tgt Ion: 93 Resp: 254562  
Ion Ratio Lower Upper  
93 100  
95 32.2 25.5 38.3  
123 12.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 41.722 ng

RT: 7.928 min Scan# 91

Delta R.T. -0.006 min

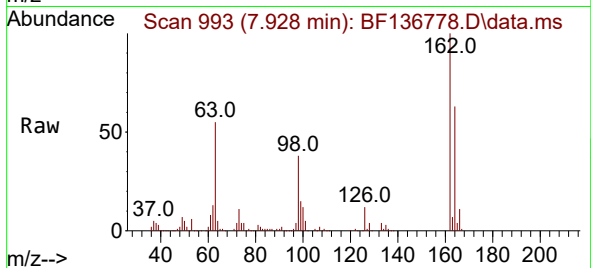
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



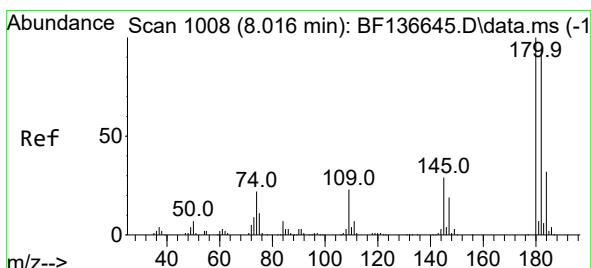
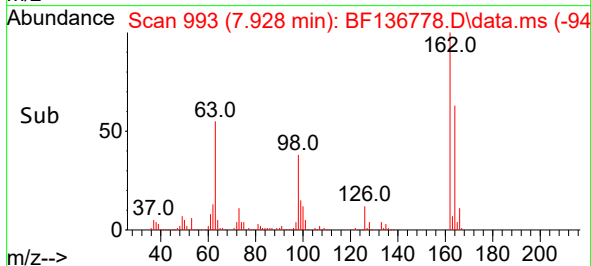
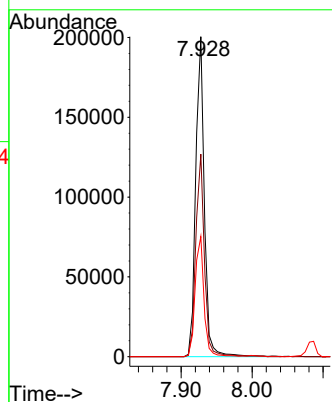
Tgt Ion:162 Resp: 170450

Ion Ratio Lower Upper

162 100

164 63.3 41.7 81.7

98 37.6 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 41.292 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

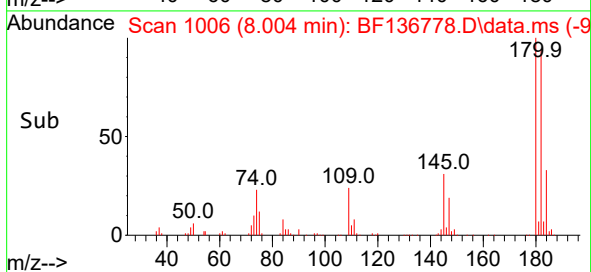
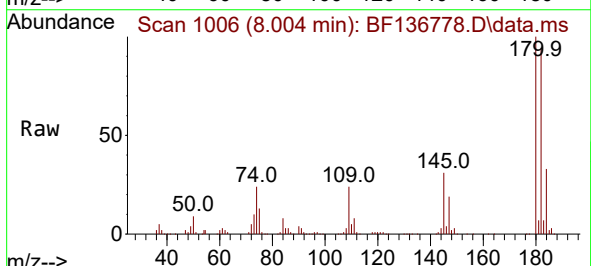
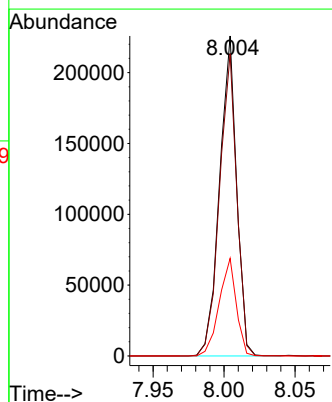
Tgt Ion:180 Resp: 187955

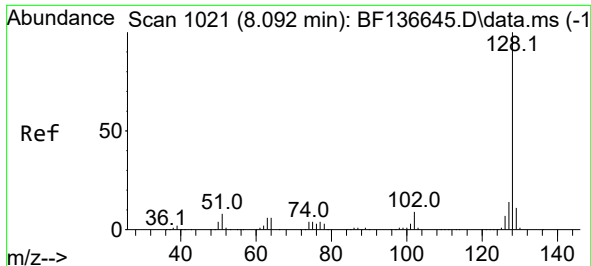
Ion Ratio Lower Upper

180 100

182 94.4 75.4 113.0

145 30.5 23.1 34.7

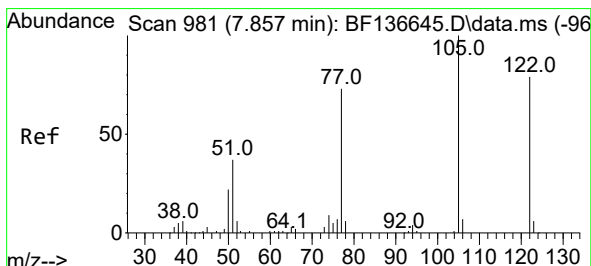
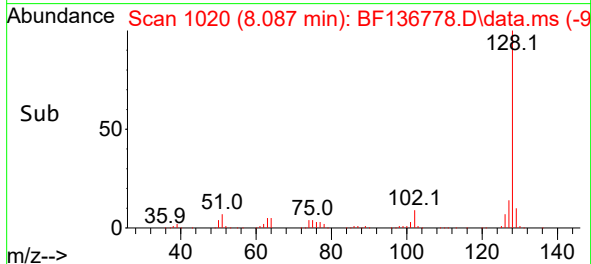
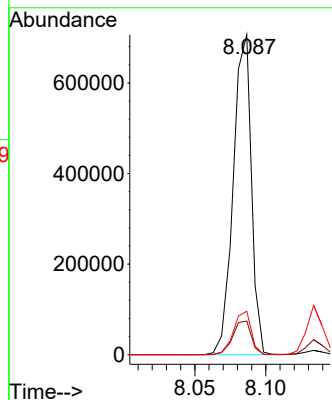
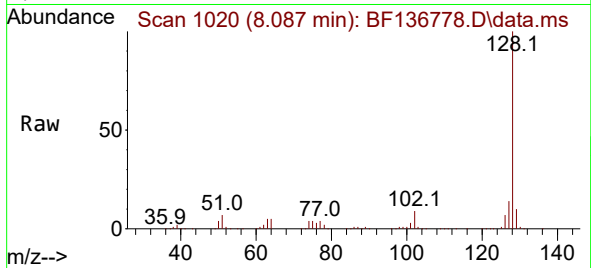




#31  
Naphthalene  
Concen: 41.132 ng  
RT: 8.087 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

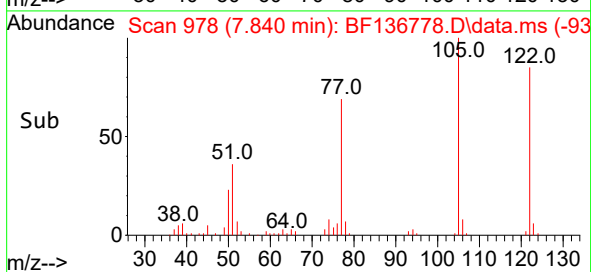
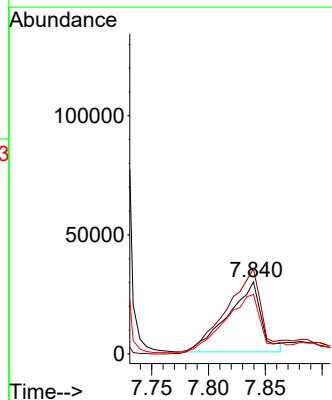
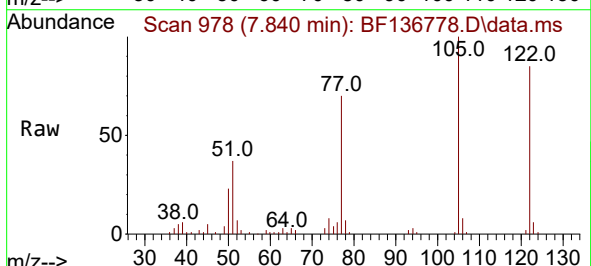
Instrument :  
BNA\_F  
ClientSampleId :

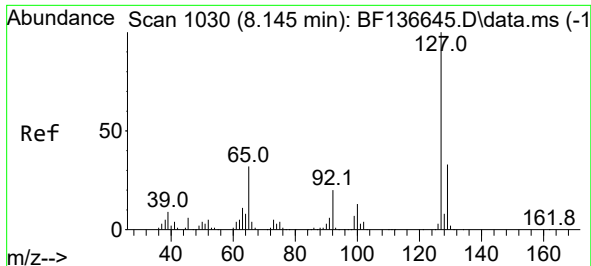
Tgt Ion:128 Resp: 628857  
Ion Ratio Lower Upper  
128 100  
129 10.5 8.7 13.1  
127 13.6 10.8 16.2



#32  
Benzoic acid  
Concen: 19.588 ng  
RT: 7.840 min Scan# 978  
Delta R.T. -0.017 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:122 Resp: 60143  
Ion Ratio Lower Upper  
122 100  
105 118.1 100.8 140.8  
77 82.5 70.9 110.9

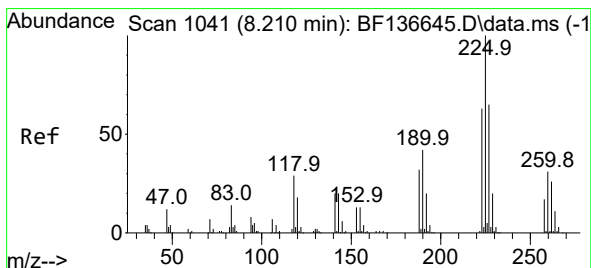
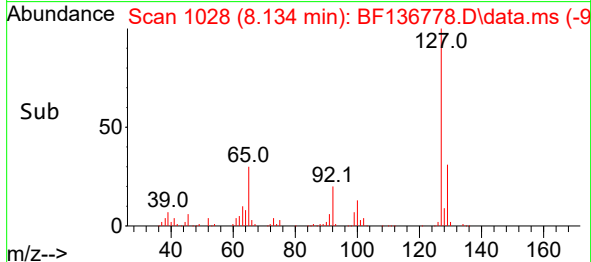
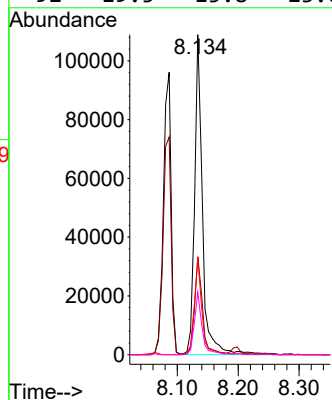
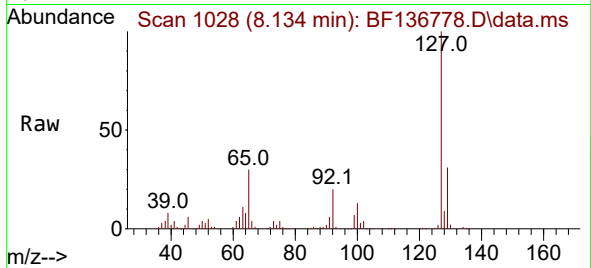




#33  
4-Chloroaniline  
Concen: 17.442 ng  
RT: 8.134 min Scan# 1030  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

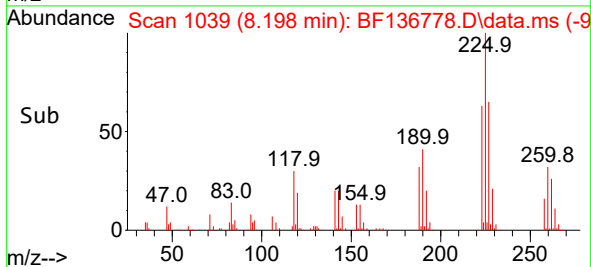
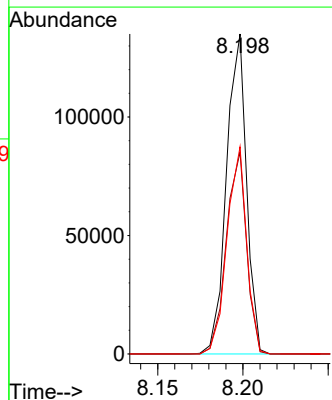
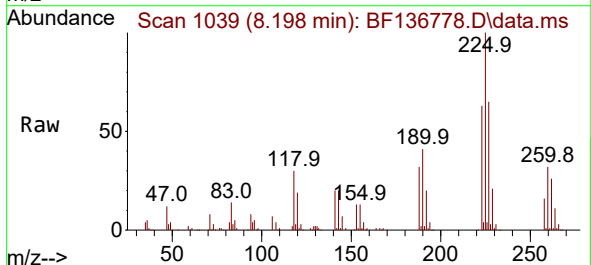
Instrument :  
BNA\_F  
ClientSampleId :

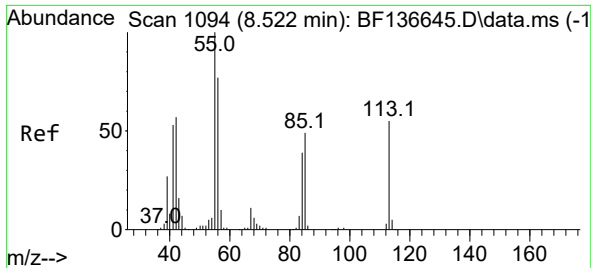
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 98456 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 30.6  | 26.3  | 39.5  |
| 65        | 30.4  | 25.8  | 38.8  |
| 92        | 19.5  | 15.8  | 23.6  |



#34  
Hexachlorobutadiene  
Concen: 39.848 ng  
RT: 8.198 min Scan# 1039  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

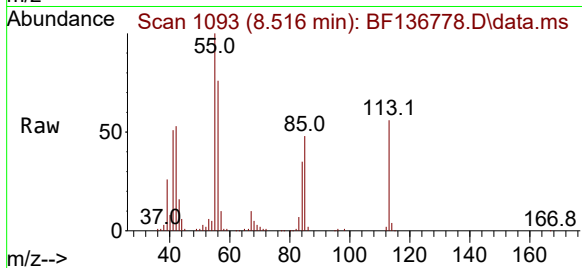
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 110203 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 50.6  | 76.0   |
| 227       | 64.7  | 51.9  | 77.9   |



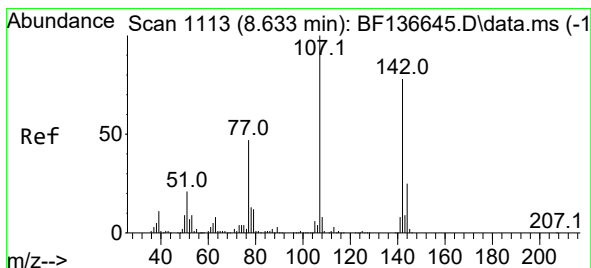
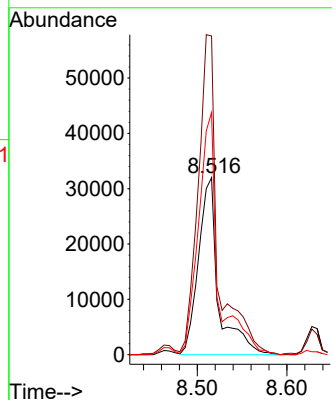
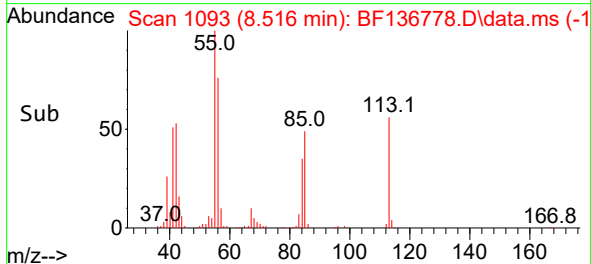


#35  
Caprolactam  
Concen: 36.916 ng  
RT: 8.516 min Scan# 1093  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

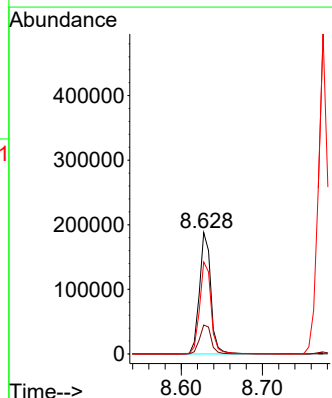
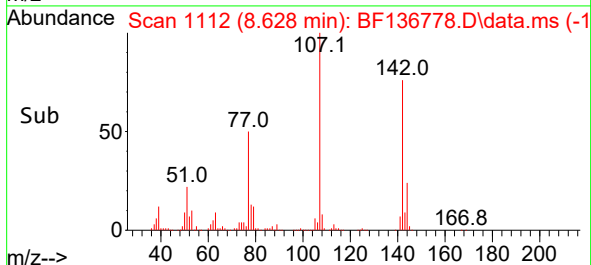
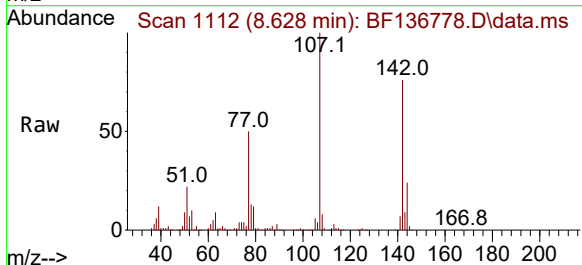


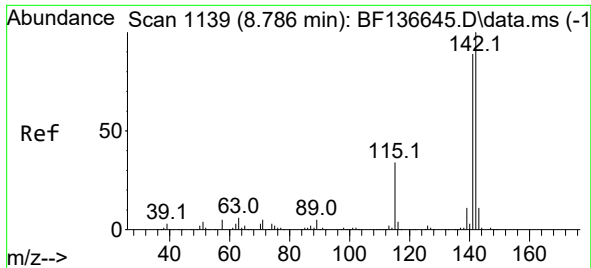
Tgt Ion:113 Resp: 49754  
Ion Ratio Lower Upper  
113 100  
55 180.1 163.1 203.1  
56 136.8 121.7 161.7



#36  
4-Chloro-3-methylphenol  
Concen: 39.895 ng  
RT: 8.628 min Scan# 1112  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:107 Resp: 183486  
Ion Ratio Lower Upper  
107 100  
144 23.9 20.2 30.2  
142 75.8 62.3 93.5

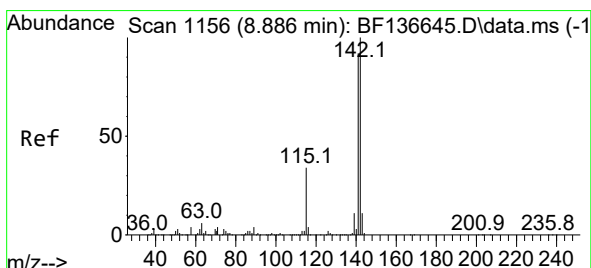
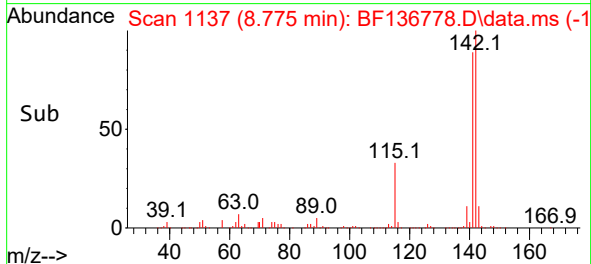
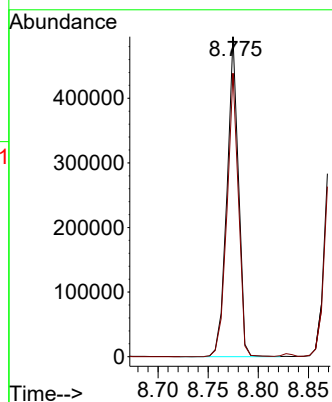
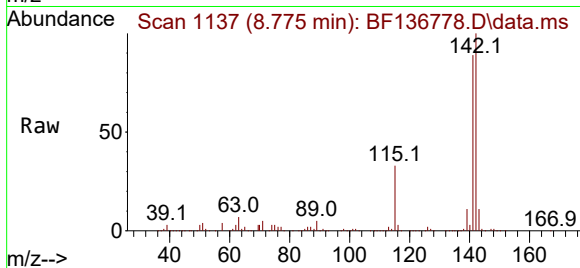




#37  
2-Methylnaphthalene  
Concen: 39.986 ng  
RT: 8.775 min Scan# 1137  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

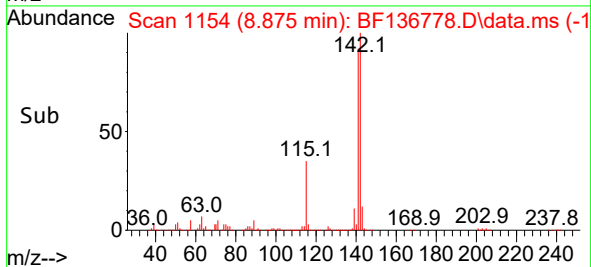
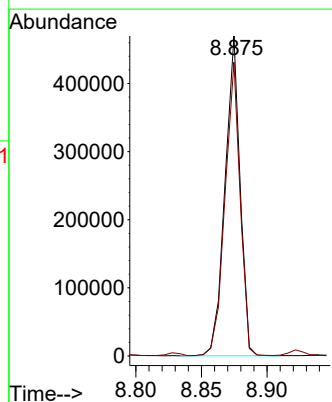
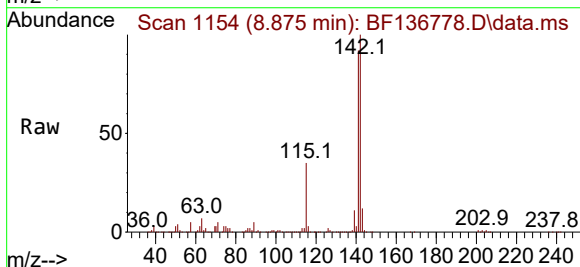
Instrument :  
BNA\_F  
ClientSampleId :

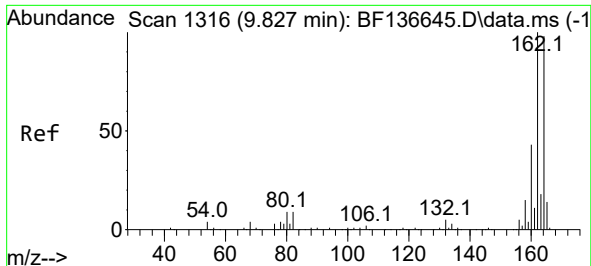
Tgt Ion:142 Resp: 393441  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 38.880 ng  
RT: 8.875 min Scan# 1154  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:142 Resp: 375320  
Ion Ratio Lower Upper  
142 100  
141 91.8 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1165

Delta R.T. -0.006 min

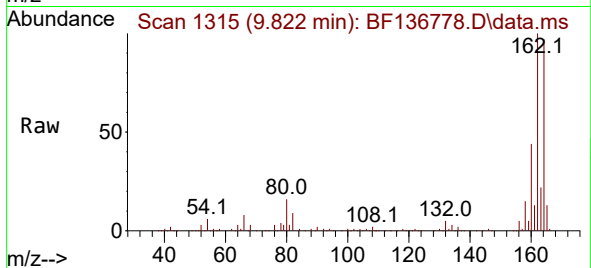
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



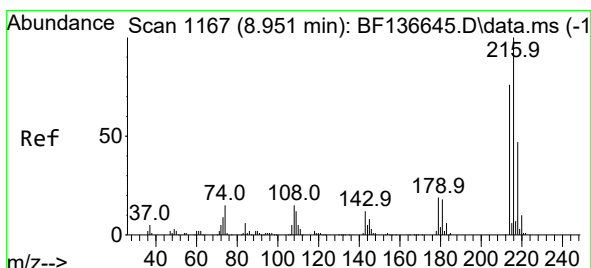
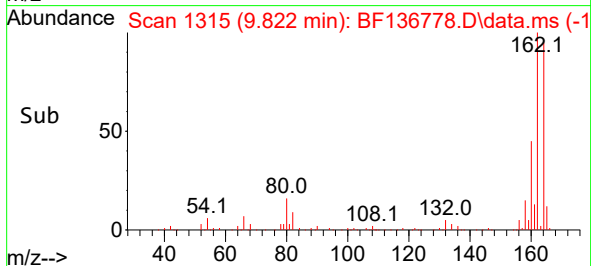
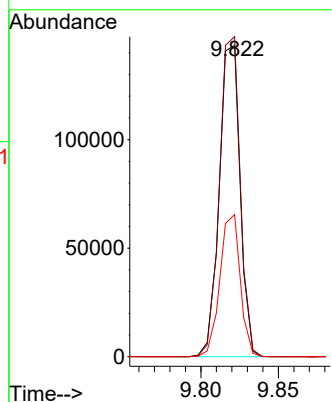
Tgt Ion:164 Resp: 134478

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

160 45.6 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.979 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Tgt Ion:216 Resp: 195655

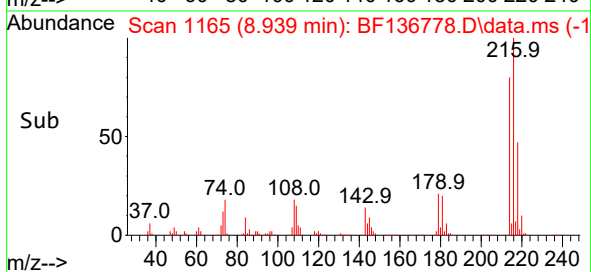
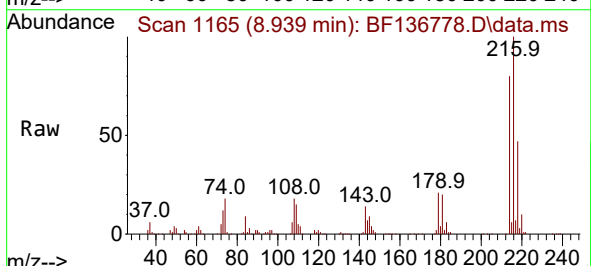
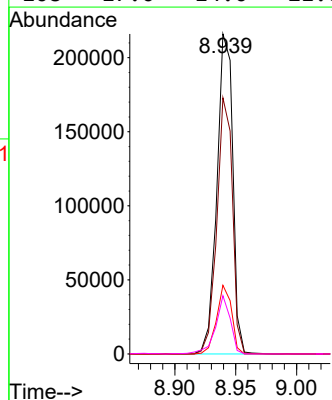
Ion Ratio Lower Upper

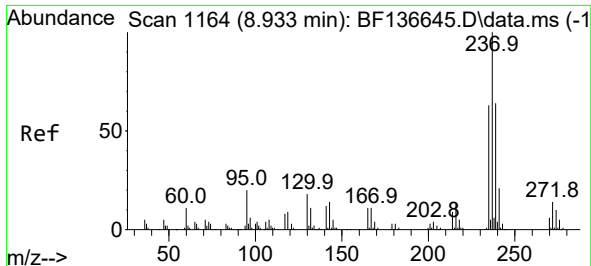
216 100

214 78.3 62.3 93.5

179 20.2 16.4 24.6

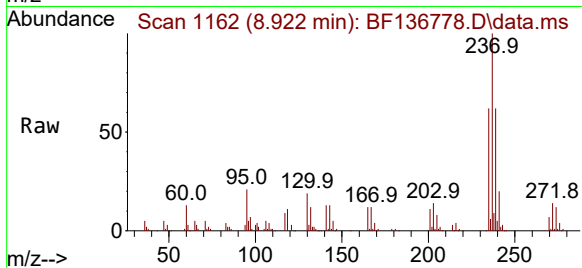
108 17.0 14.0 21.0



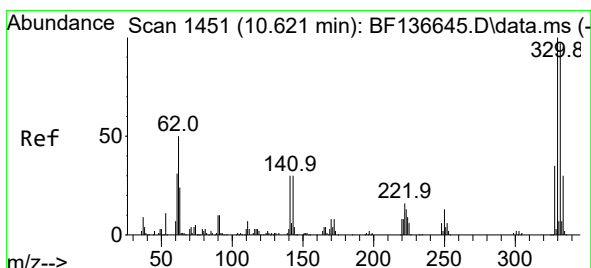
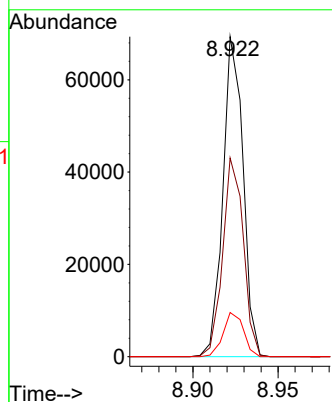
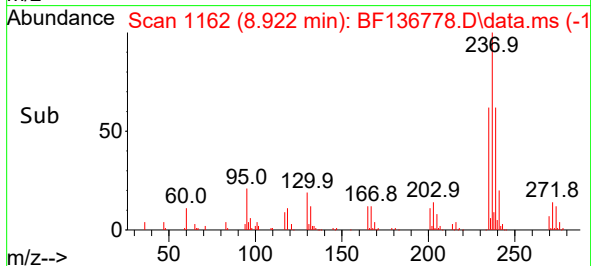


#41  
Hexachlorocyclopentadiene  
Concen: 45.279 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

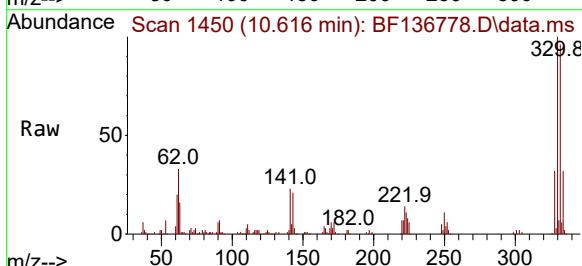
Instrument :  
BNA\_F  
ClientSampleId :



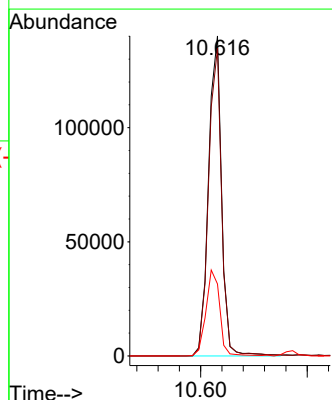
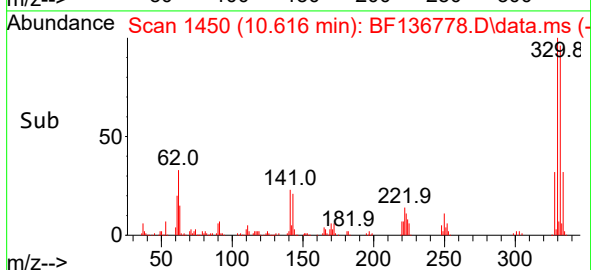
Tgt Ion:237 Resp: 57119  
Ion Ratio Lower Upper  
237 100  
235 62.1 43.2 83.2  
272 13.8 0.0 34.2

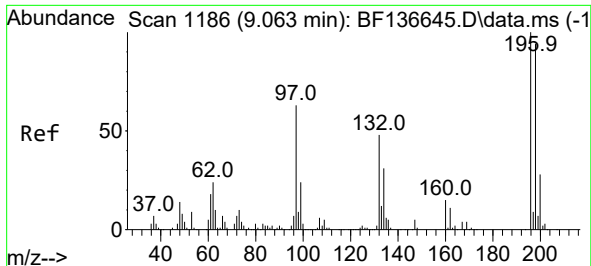


#42  
2,4,6-Tribromophenol  
Concen: 75.610 ng  
RT: 10.616 min Scan# 1450  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37



Tgt Ion:330 Resp: 119750  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.4 116.0  
141 28.4 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 42.773 ng

RT: 9.057 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

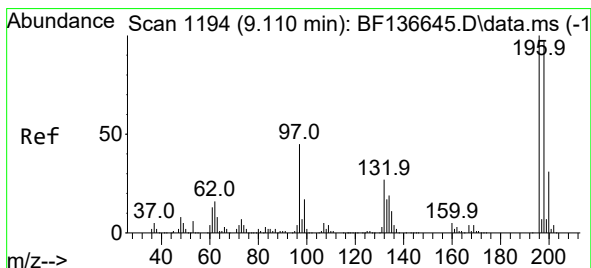
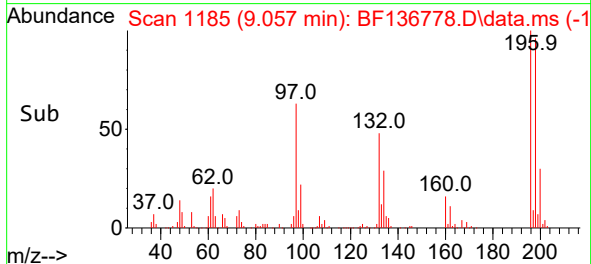
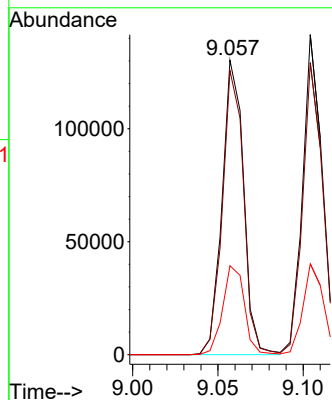
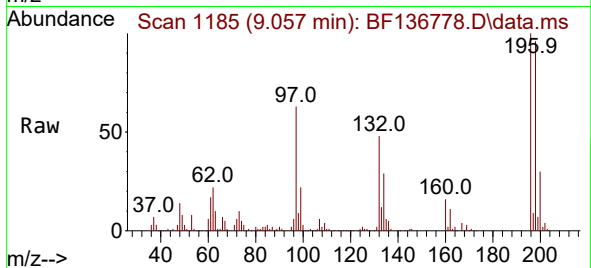
Tgt Ion:196 Resp: 114244

Ion Ratio Lower Upper

196 100

198 96.5 75.1 112.7

200 30.2 22.5 33.7



#44

2,4,5-Trichlorophenol

Concen: 40.173 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Tgt Ion:196 Resp: 119570

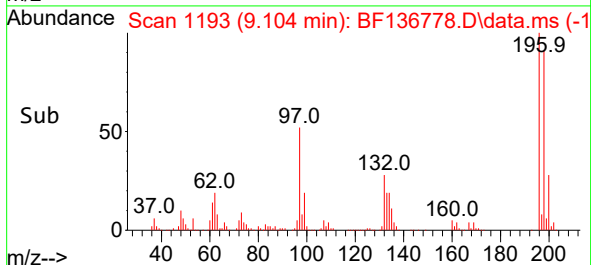
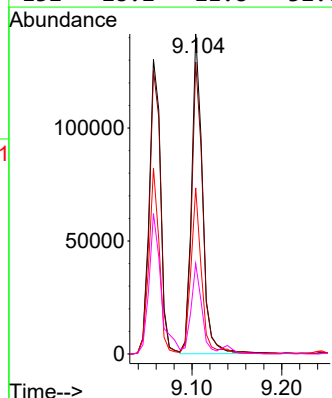
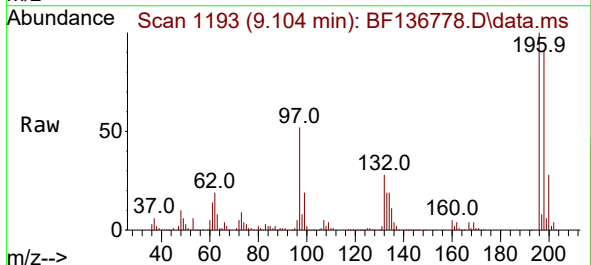
Ion Ratio Lower Upper

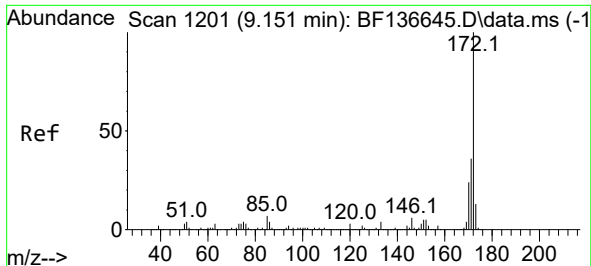
196 100

198 91.3 77.0 115.6

97 51.9 36.1 54.1

132 28.2 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 63.588 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

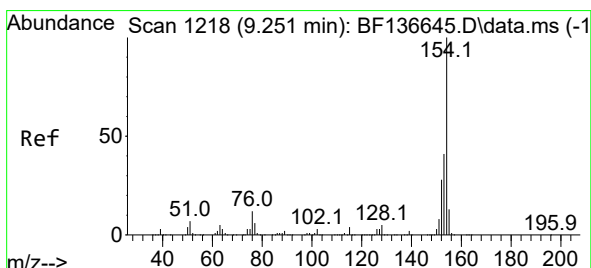
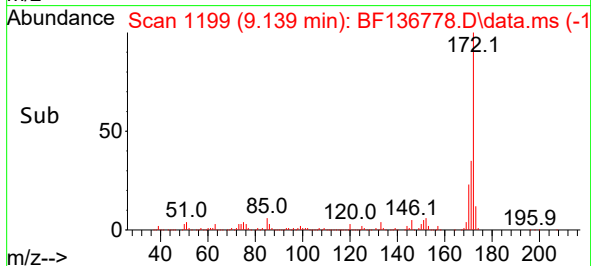
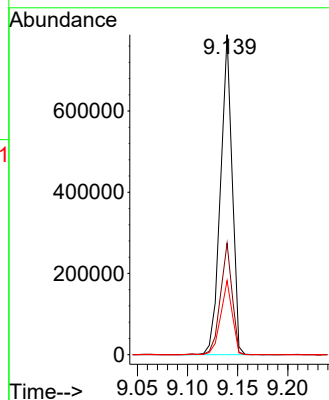
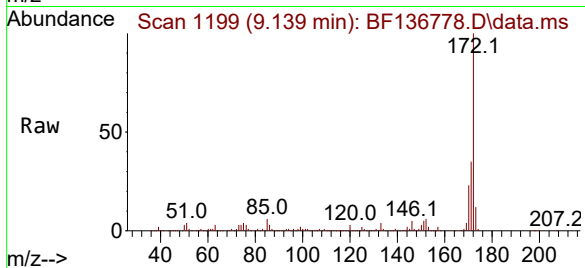
Tgt Ion:172 Resp: 635785

Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 23.1 19.0 28.4



#46

1,1'-Biphenyl

Concen: 45.645 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

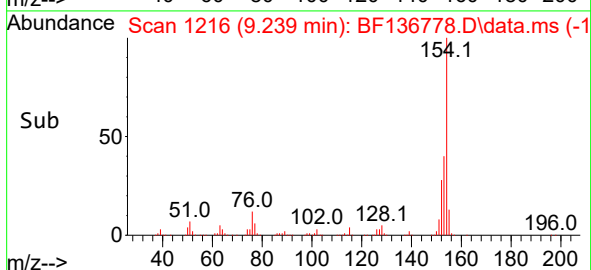
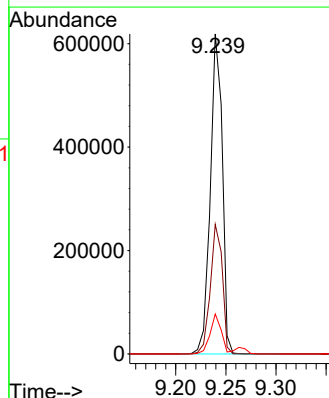
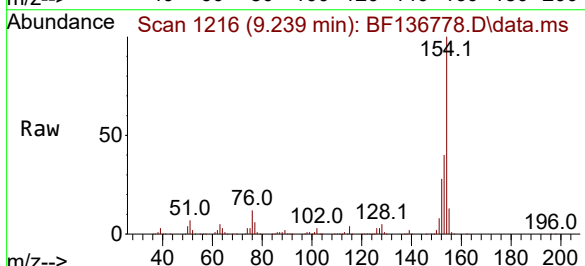
Tgt Ion:154 Resp: 515095

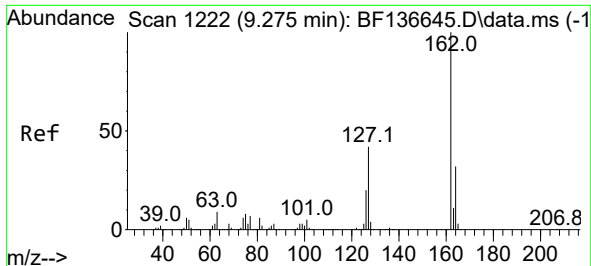
Ion Ratio Lower Upper

154 100

153 40.5 21.1 61.1

76 12.5 0.0 31.7





#47

2-Chloronaphthalene

Concen: 42.958 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

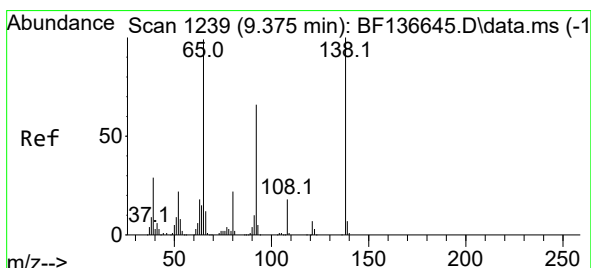
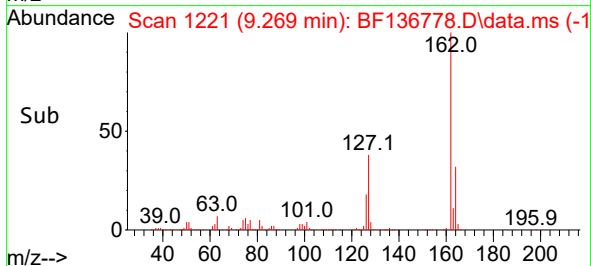
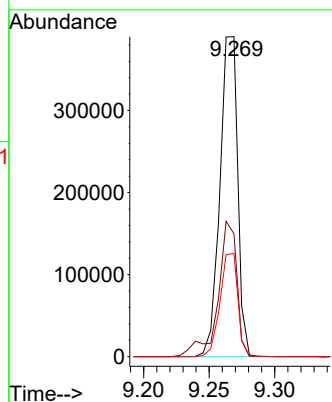
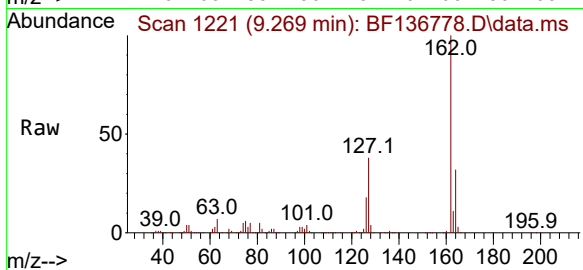
Tgt Ion:162 Resp: 368526

Ion Ratio Lower Upper

162 100

127 38.4 33.6 50.4

164 32.3 25.7 38.5



#48

2-Nitroaniline

Concen: 43.605 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

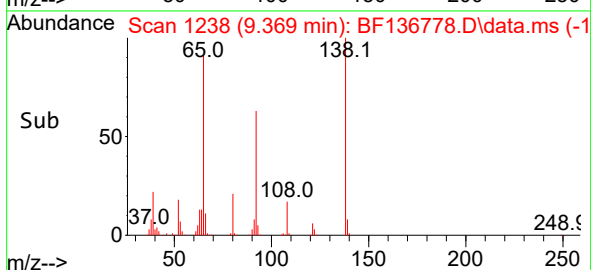
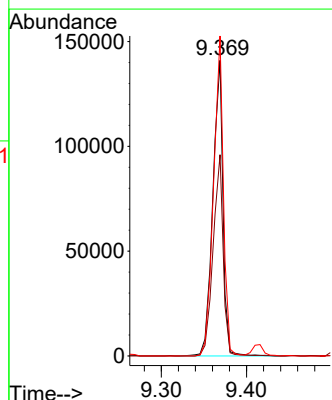
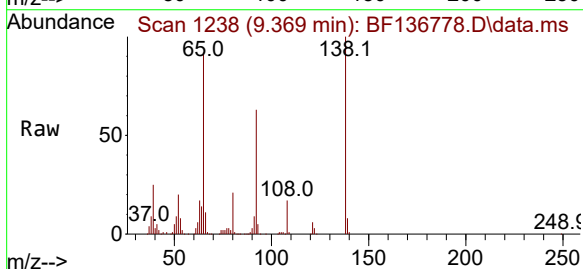
Tgt Ion: 65 Resp: 117143

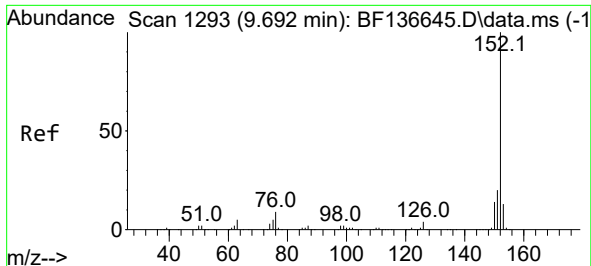
Ion Ratio Lower Upper

65 100

92 68.0 53.2 79.8

138 108.2 81.1 121.7





#49

Acenaphthylene

Concen: 45.790 ng

RT: 9.681 min Scan# 11

Delta R.T. -0.012 min

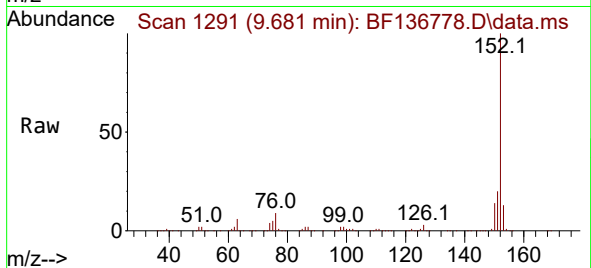
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



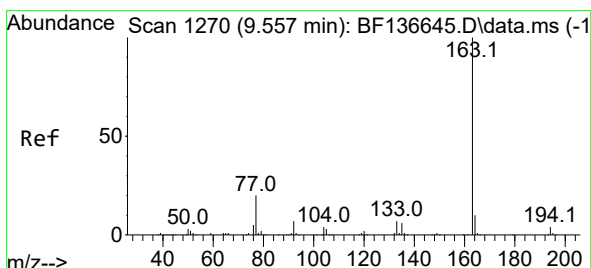
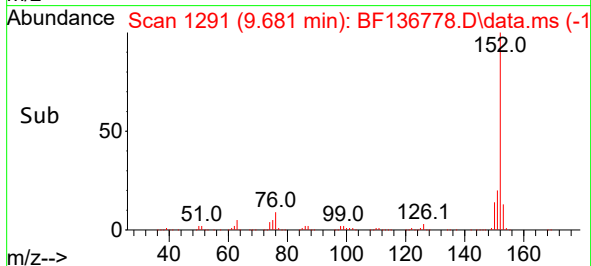
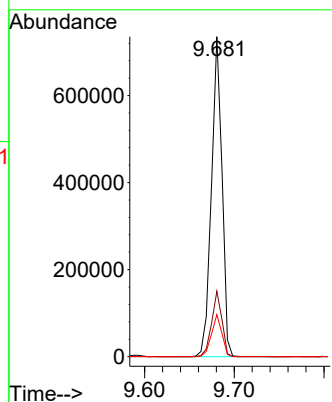
Tgt Ion:152 Resp: 600434

Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 13.1 10.2 15.2



#50

Dimethylphthalate

Concen: 44.811 ng

RT: 9.545 min Scan# 1268

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

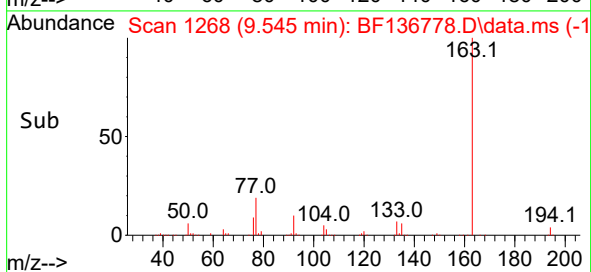
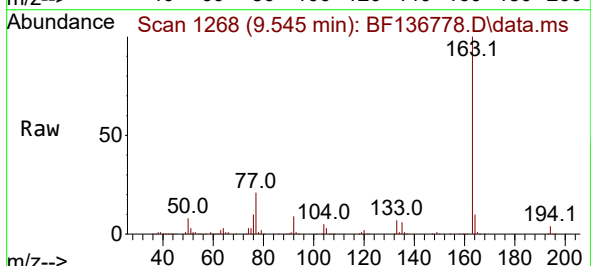
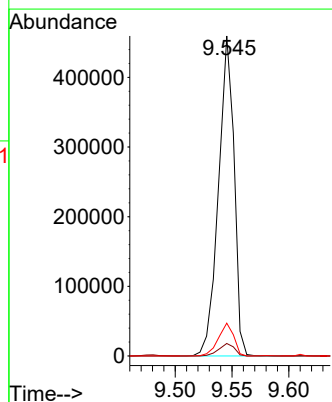
Tgt Ion:163 Resp: 440159

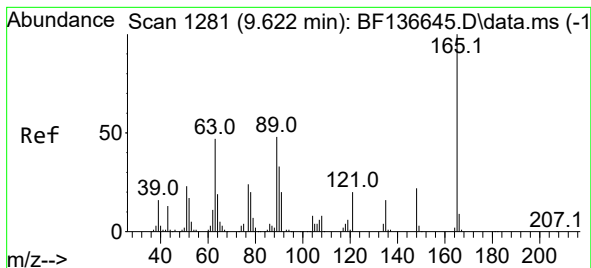
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

164 10.2 7.8 11.6

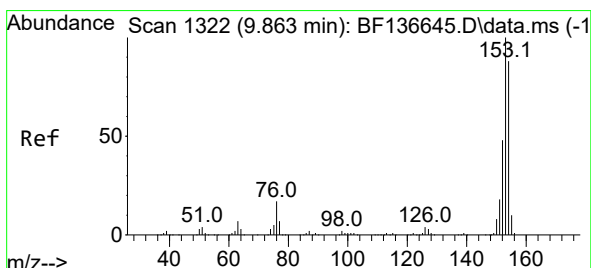
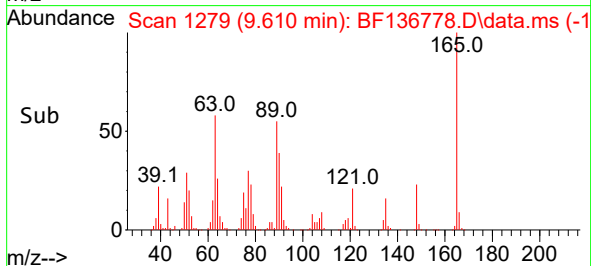
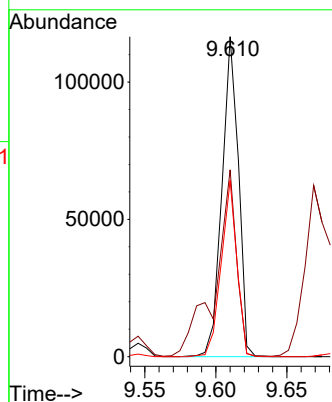
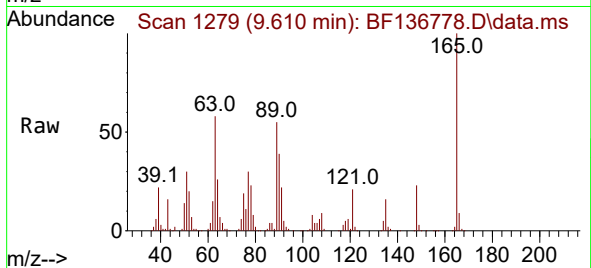




#51  
2,6-Dinitrotoluene  
Concen: 42.000 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

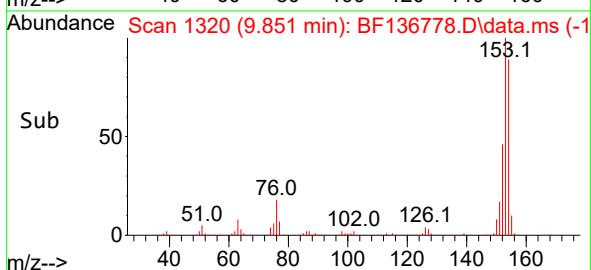
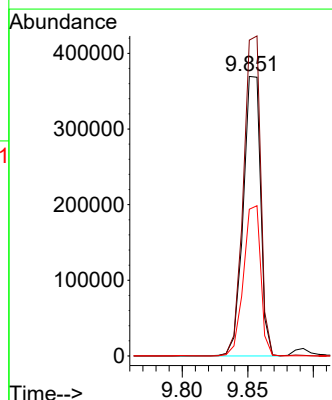
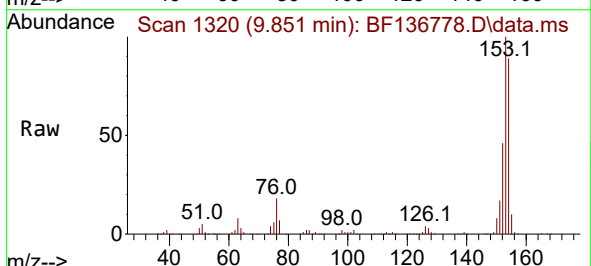
Instrument :  
BNA\_F  
ClientSampleId :

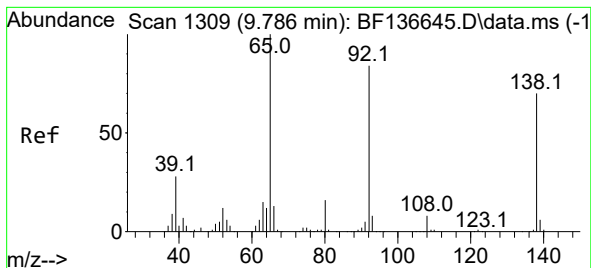
Tgt Ion:165 Resp: 93629  
Ion Ratio Lower Upper  
165 100  
63 58.4 39.8 59.6  
89 55.1 38.8 58.2



#52  
Acenaphthene  
Concen: 42.036 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:154 Resp: 341680  
Ion Ratio Lower Upper  
154 100  
153 113.0 90.7 136.1  
152 52.5 43.7 65.5





#53

3-Nitroaniline

Concen: 32.216 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.006 min

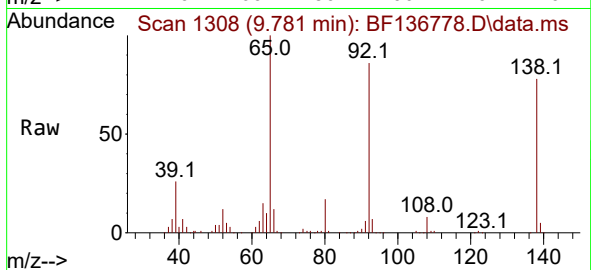
Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :



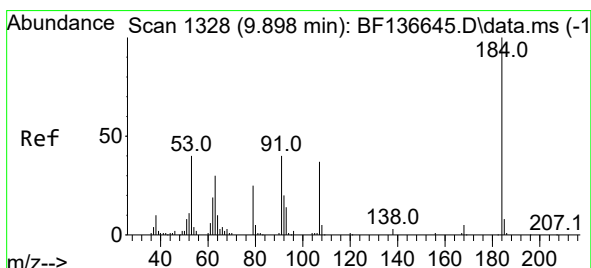
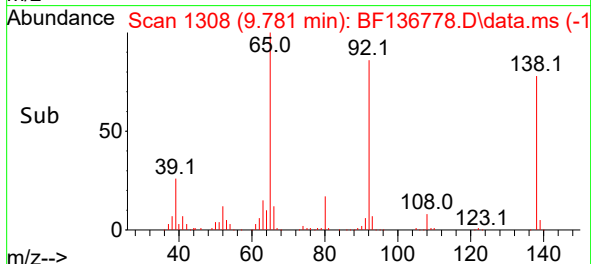
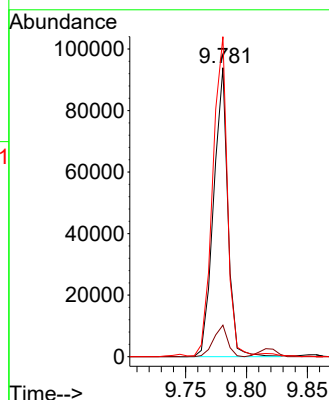
Tgt Ion:138 Resp: 76077

Ion Ratio Lower Upper

138 100

108 10.9 8.6 12.8

92 110.7 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 16.777 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

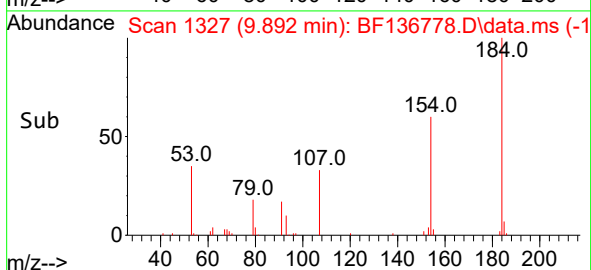
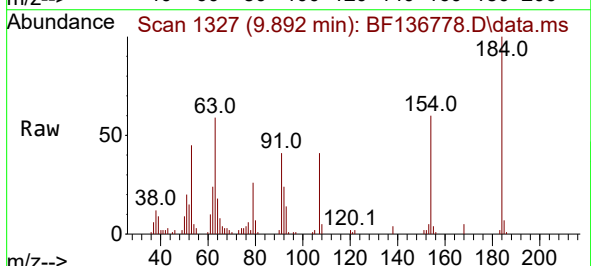
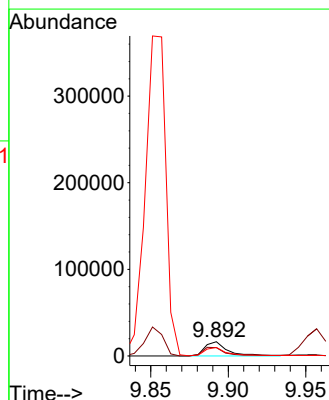
Tgt Ion:184 Resp: 16903

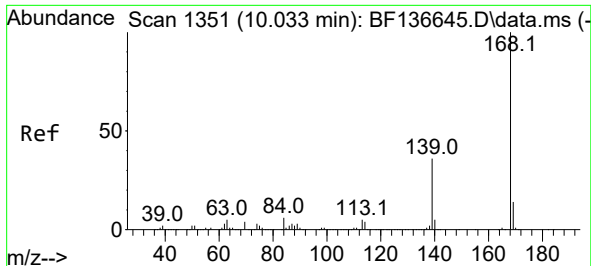
Ion Ratio Lower Upper

184 100

63 58.7 40.9 61.3

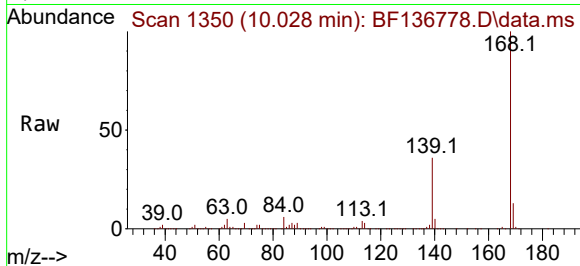
154 60.2 42.7 64.1



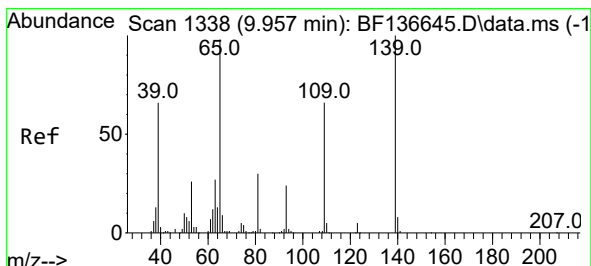
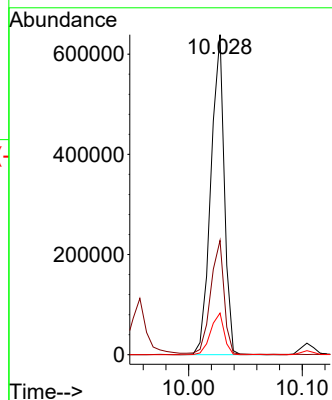
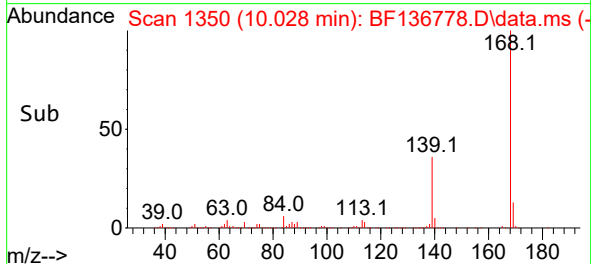


#55  
Dibenzenofuran  
Concen: 42.348 ng  
RT: 10.028 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

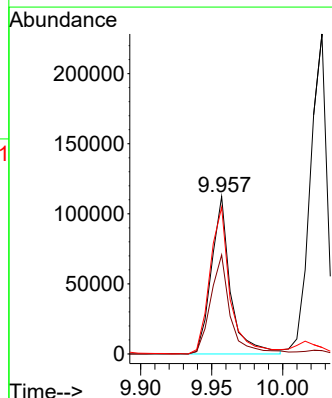
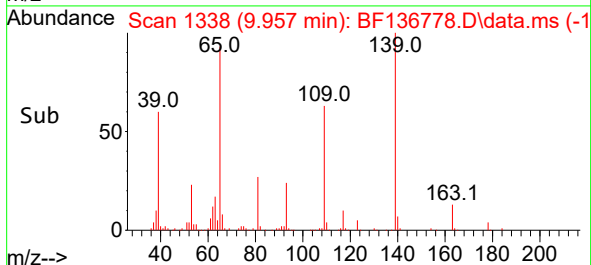
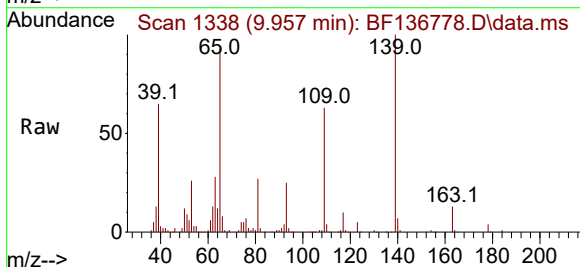


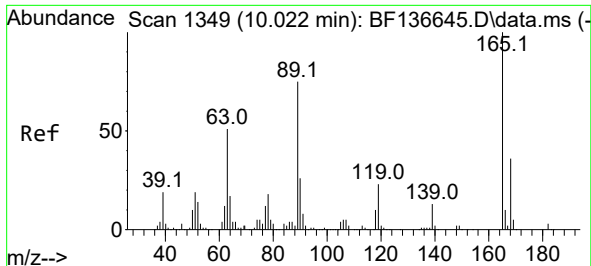
Tgt Ion:168 Resp: 521783  
Ion Ratio Lower Upper  
168 100  
139 35.7 29.3 43.9  
169 13.0 11.0 16.4



#56  
4-Nitrophenol  
Concen: 65.896 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

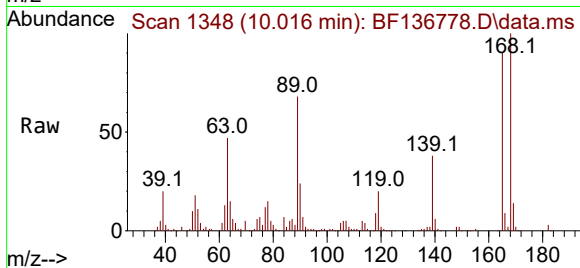
Tgt Ion:139 Resp: 105047  
Ion Ratio Lower Upper  
139 100  
109 62.9 45.8 85.8  
65 93.2 77.8 117.8



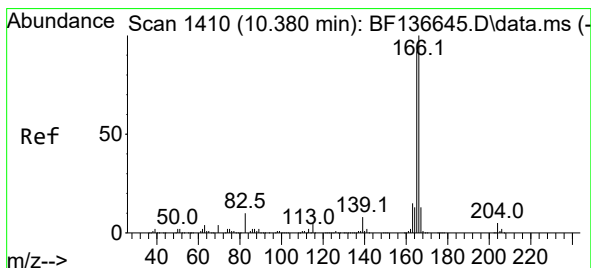
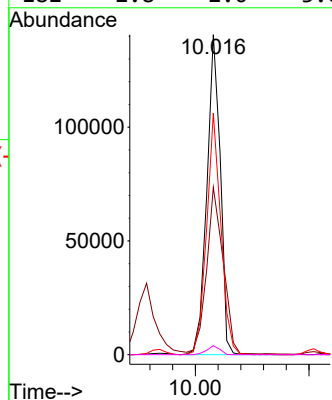
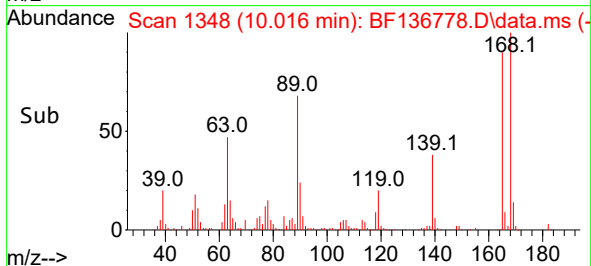


#57  
2,4-Dinitrotoluene  
Concen: 39.720 ng  
RT: 10.016 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

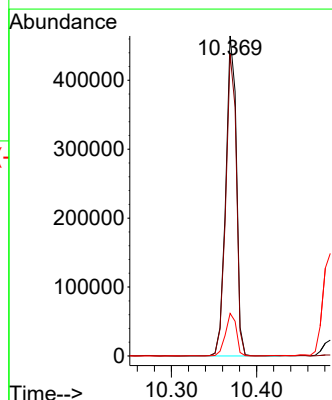
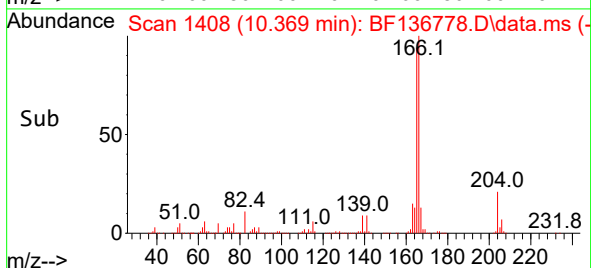
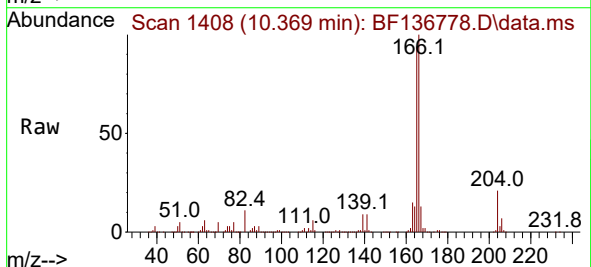


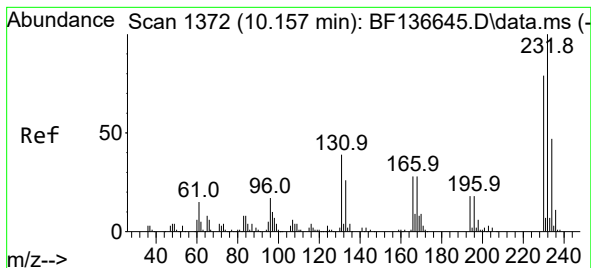
Tgt Ion:165 Resp: 114949  
Ion Ratio Lower Upper  
165 100  
63 52.3 41.0 61.6  
89 75.5 59.9 89.9  
182 2.8 2.0 3.0



#58  
Fluorene  
Concen: 41.262 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:166 Resp: 403401  
Ion Ratio Lower Upper  
166 100  
165 94.3 73.7 110.5  
167 13.3 10.4 15.6

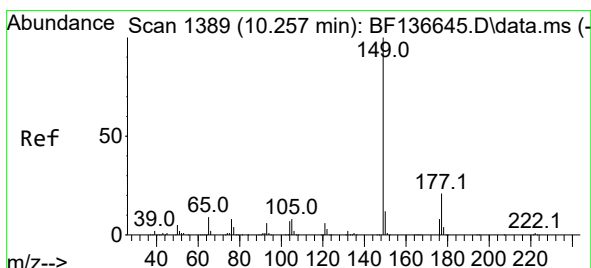
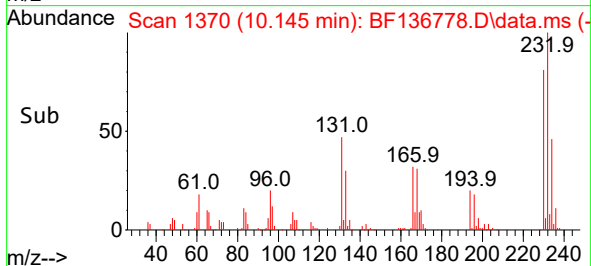
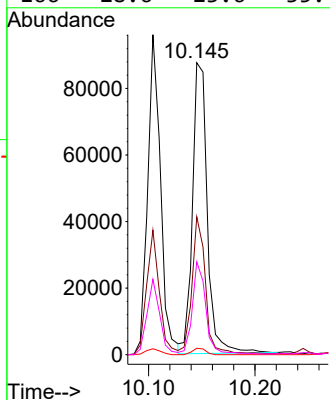
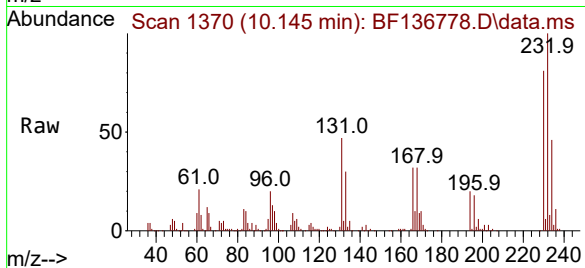




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 37.024 ng  
RT: 10.145 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

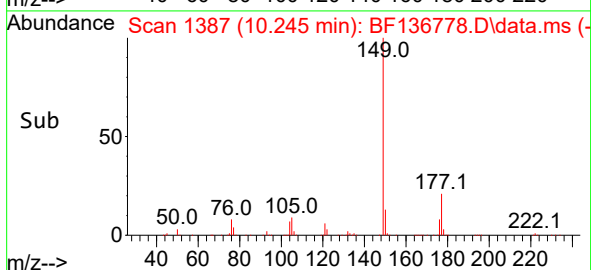
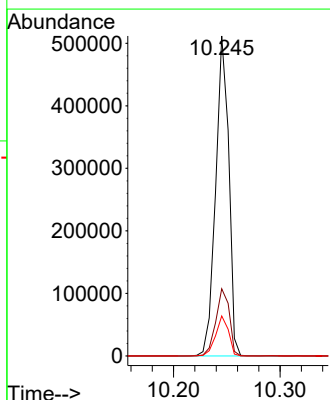
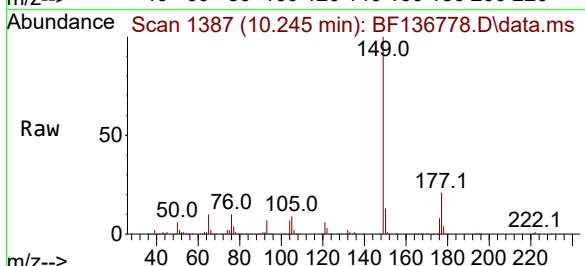
Instrument :  
BNA\_F  
ClientSampleId :

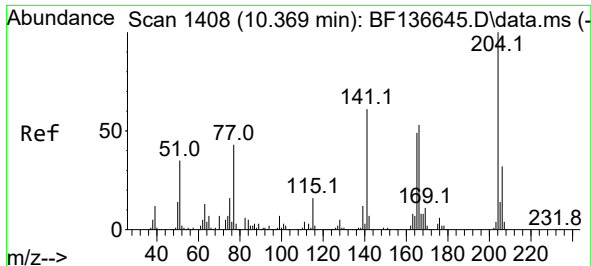
Tgt Ion:232 Resp: 84827  
Ion Ratio Lower Upper  
232 100  
131 42.5 35.1 52.7  
130 2.0 1.6 2.4  
166 28.6 23.6 35.4



#60  
Diethylphthalate  
Concen: 42.695 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:149 Resp: 435130  
Ion Ratio Lower Upper  
149 100  
177 21.0 16.9 25.3  
150 12.5 9.3 13.9

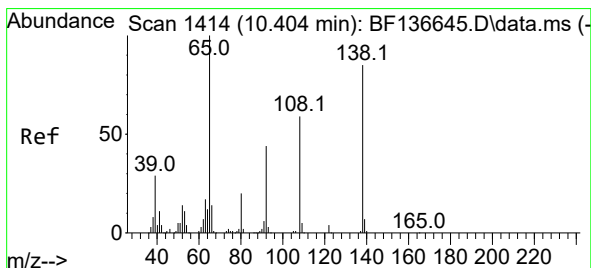
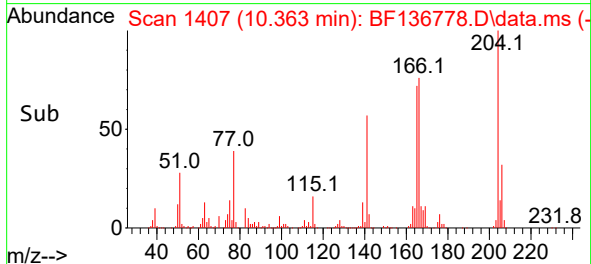
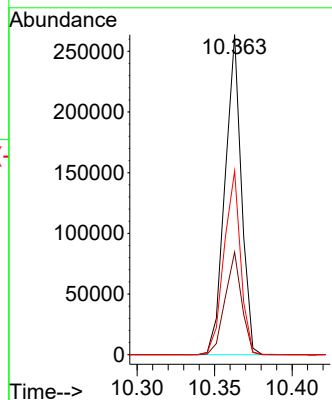
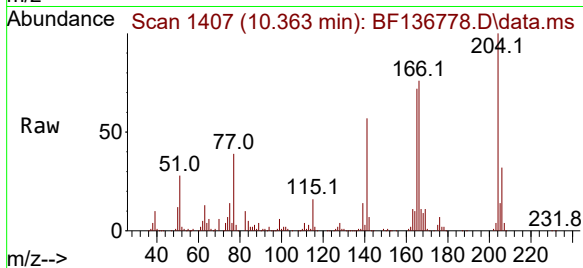




#61  
4-Chlorophenyl-phenylether  
Concen: 40.715 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

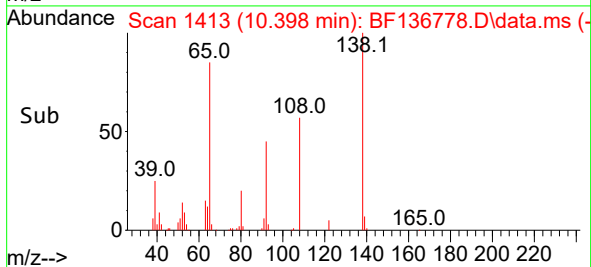
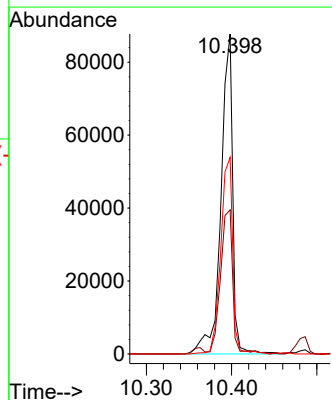
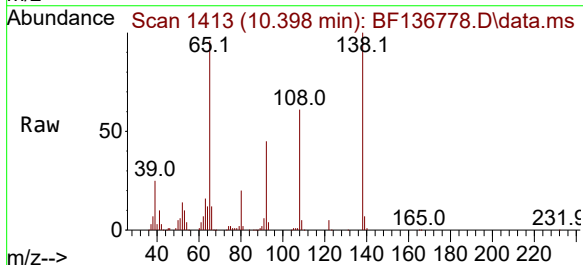
Instrument :  
BNA\_F  
ClientSampleId :

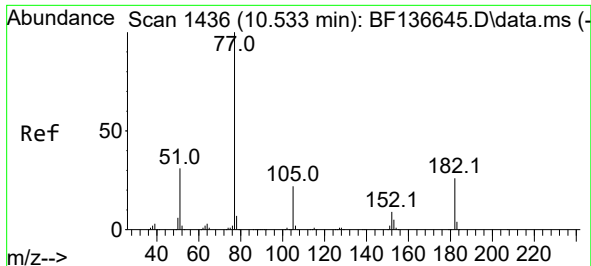
Tgt Ion:204 Resp: 193481  
Ion Ratio Lower Upper  
204 100  
206 32.1 25.6 38.4  
141 57.4 48.4 72.6



#62  
4-Nitroaniline  
Concen: 36.848 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

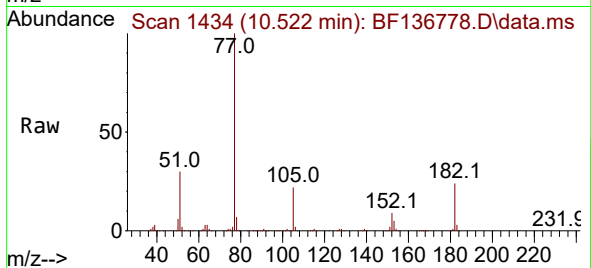
Tgt Ion:138 Resp: 83884  
Ion Ratio Lower Upper  
138 100  
92 45.1 32.1 72.1  
108 61.4 50.1 90.1



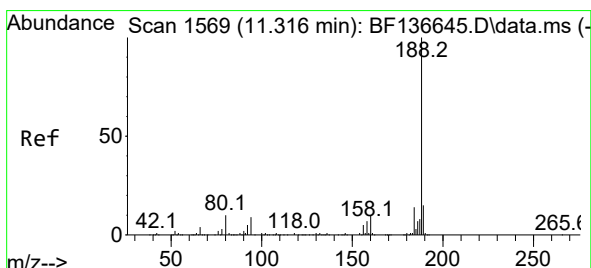
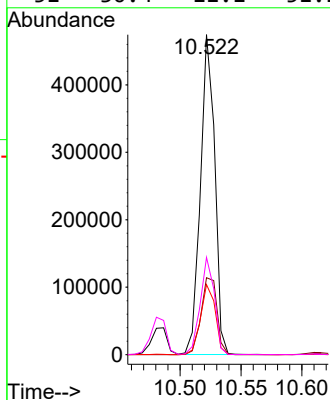
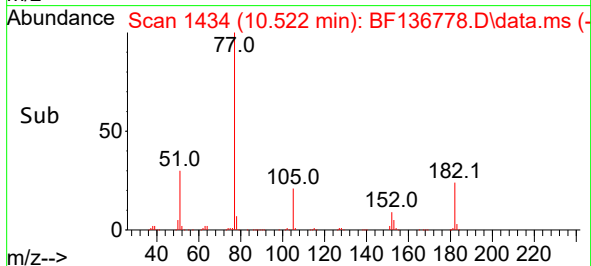


#63  
Azobenzene  
Concen: 40.586 ng  
RT: 10.522 min Scan# 1436  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

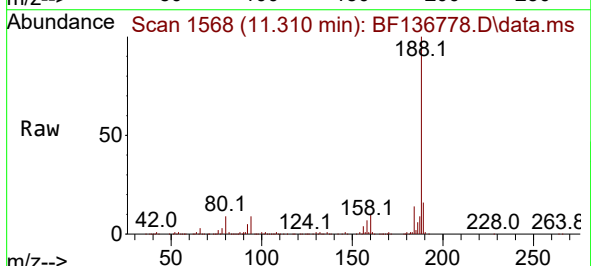
Instrument :  
BNA\_F  
ClientSampleId :



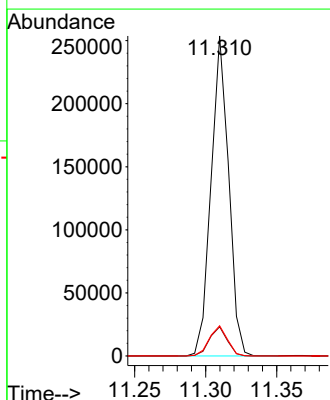
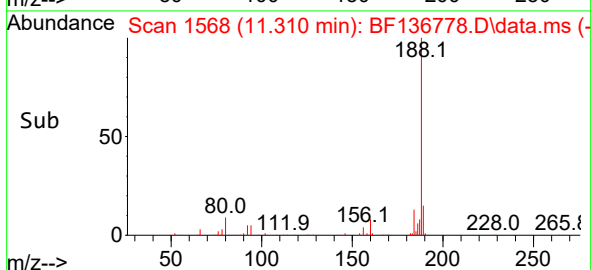
Tgt Ion: 77 Resp: 386335  
Ion Ratio Lower Upper  
77 100  
182 24.0 6.0 46.0  
105 21.9 2.3 42.3  
51 30.4 11.1 51.1

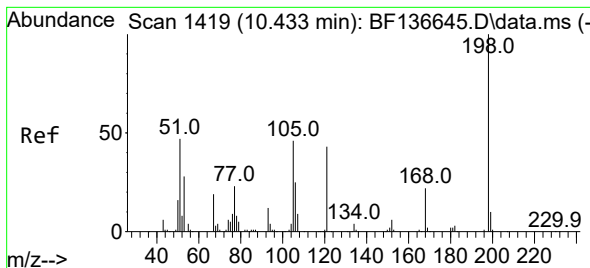


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37



Tgt Ion: 188 Resp: 218363  
Ion Ratio Lower Upper  
188 100  
94 9.1 7.5 11.3  
80 9.4 8.1 12.1

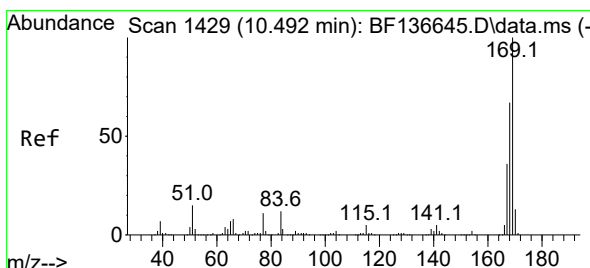
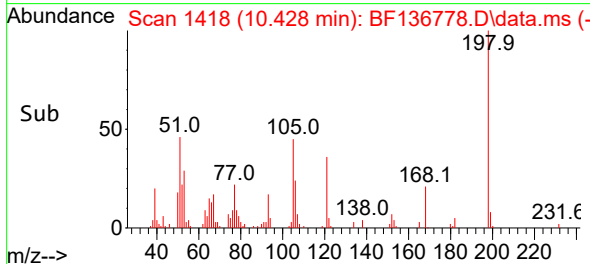
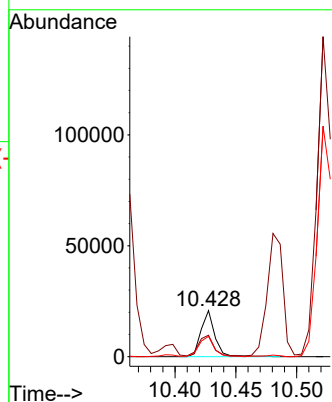
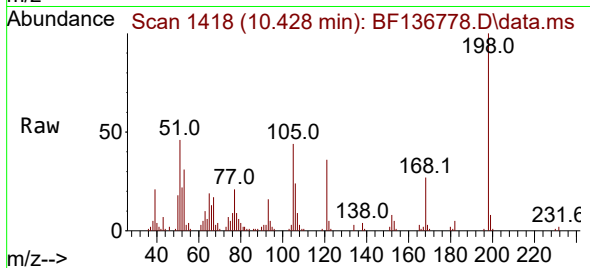




#65  
4,6-Dinitro-2-methylphenol  
Concen: 13.025 ng  
RT: 10.428 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

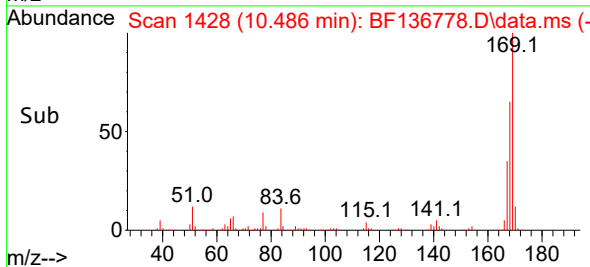
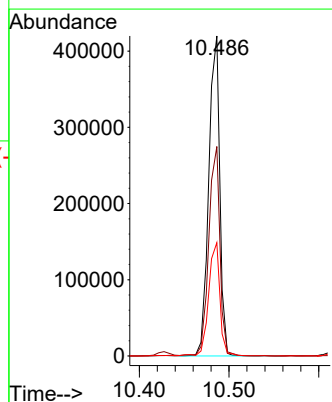
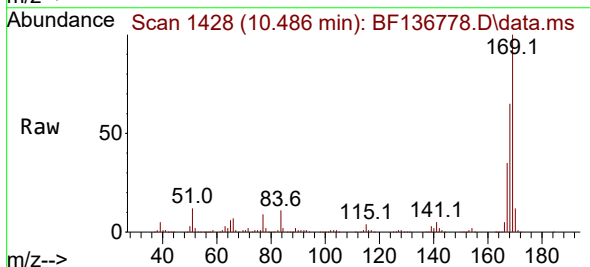
Instrument :  
BNA\_F  
ClientSampleId :

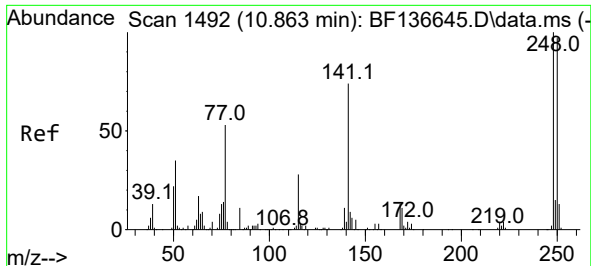
Tgt Ion:198 Resp: 16300  
Ion Ratio Lower Upper  
198 100  
51 46.5 34.1 74.1  
105 44.2 27.3 67.3



#66  
n-Nitrosodiphenylamine  
Concen: 50.517 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:169 Resp: 358338  
Ion Ratio Lower Upper  
169 100  
168 65.4 53.8 80.6  
167 35.4 28.7 43.1

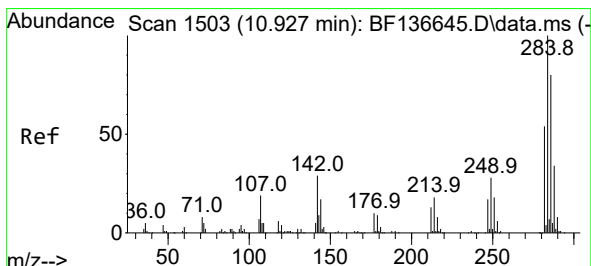
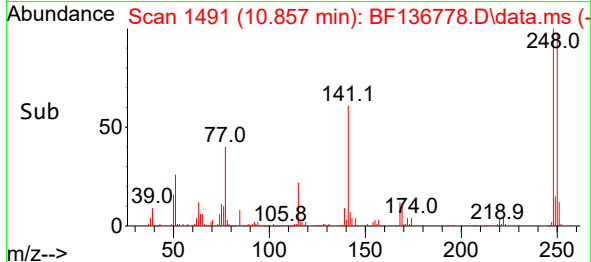
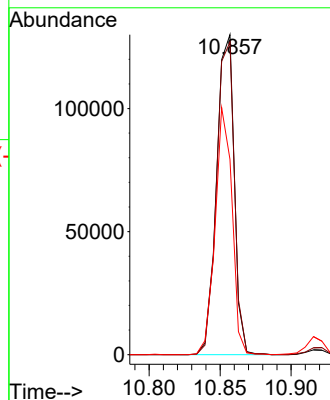
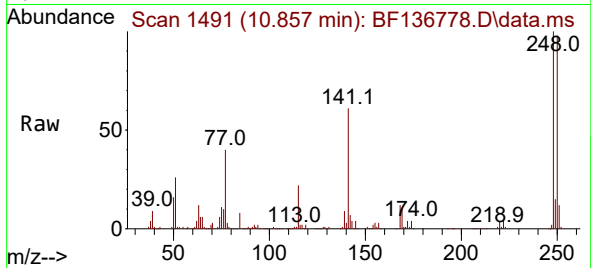




#67  
4-Bromophenyl-phenylether  
Concen: 46.385 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

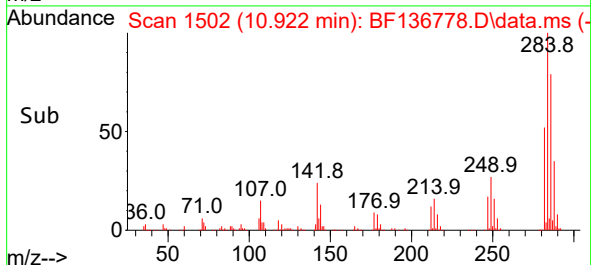
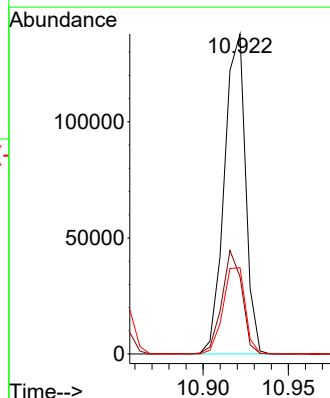
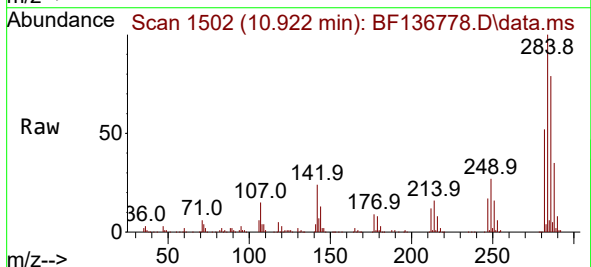
Instrument :  
BNA\_F  
ClientSampleId :

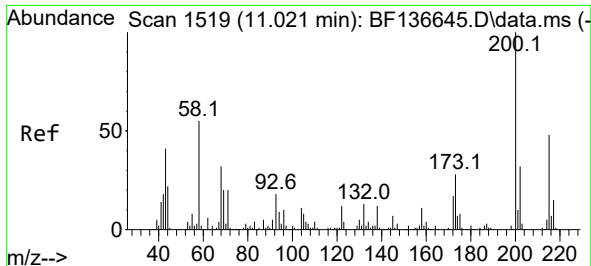
Tgt Ion:248 Resp: 112488  
Ion Ratio Lower Upper  
248 100  
250 97.7 77.8 116.6  
141 61.0 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 44.034 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:284 Resp: 119004  
Ion Ratio Lower Upper  
284 100  
142 24.1 23.4 35.0  
249 27.0 22.3 33.5

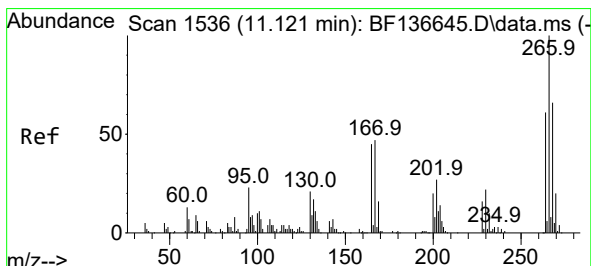
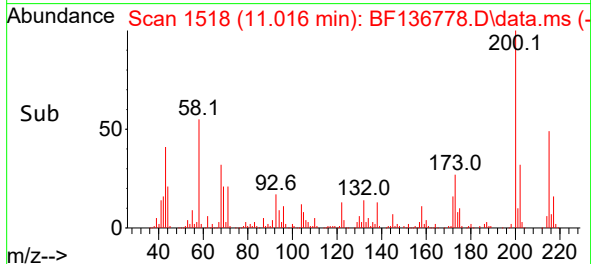
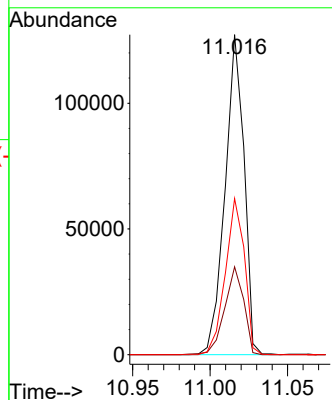
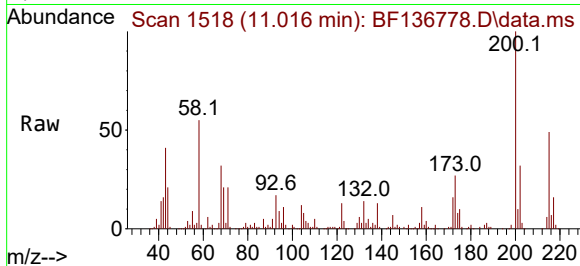




#69  
 Atrazine  
 Concen: 59.717 ng  
 RT: 11.016 min Scan# 1518  
 Delta R.T. -0.006 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

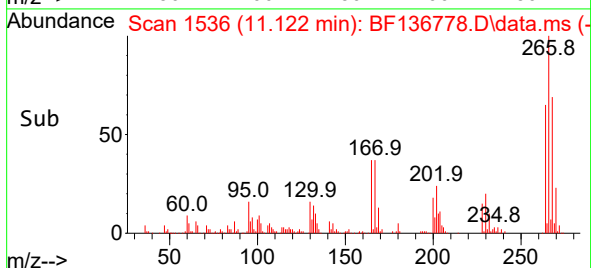
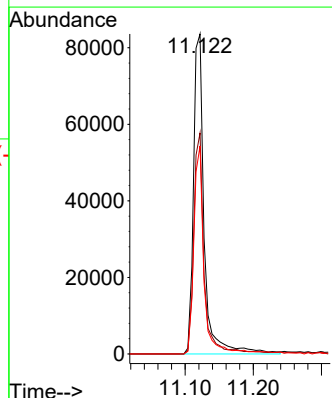
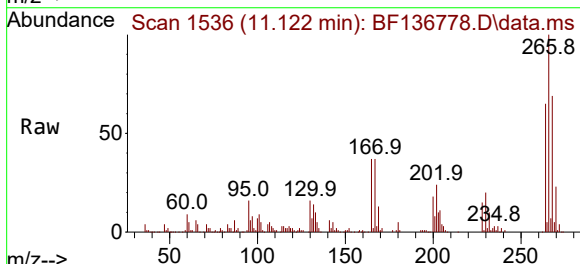
Instrument :  
 BNA\_F  
 ClientSampleId :

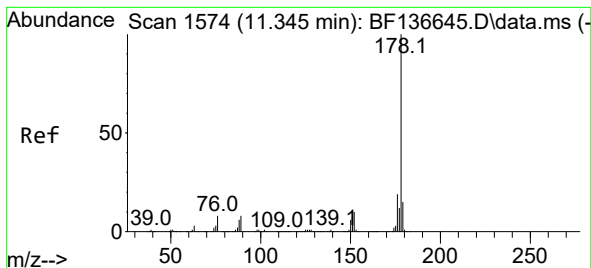
Tgt Ion:200 Resp: 108343  
 Ion Ratio Lower Upper  
 200 100  
 173 27.5 7.6 47.6  
 215 48.8 28.3 68.3



#70  
 Pentachlorophenol  
 Concen: 72.401 ng  
 RT: 11.122 min Scan# 1536  
 Delta R.T. 0.000 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

Tgt Ion:266 Resp: 91202  
 Ion Ratio Lower Upper  
 266 100  
 268 69.1 52.6 78.8  
 264 65.0 49.0 73.4





#71

Phenanthrene

Concen: 54.388 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

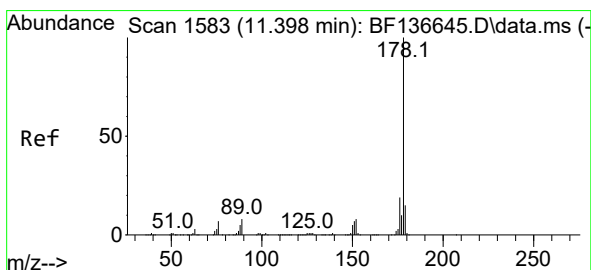
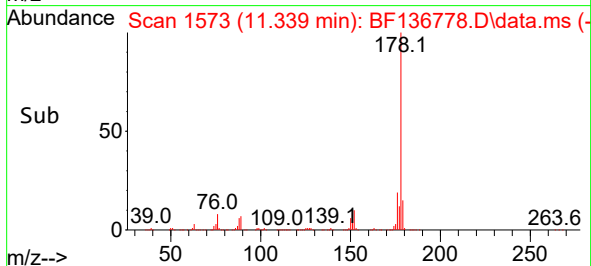
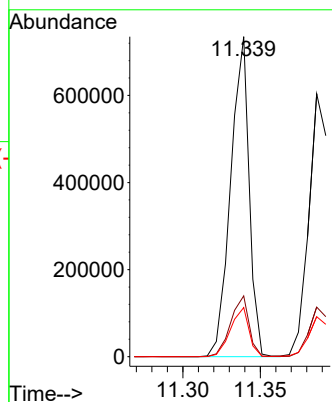
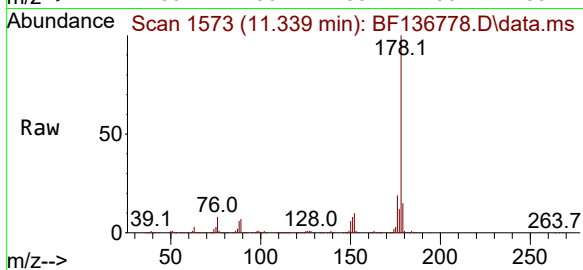
Tgt Ion:178 Resp: 609387

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 11.9 17.9



#72

Anthracene

Concen: 47.497 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

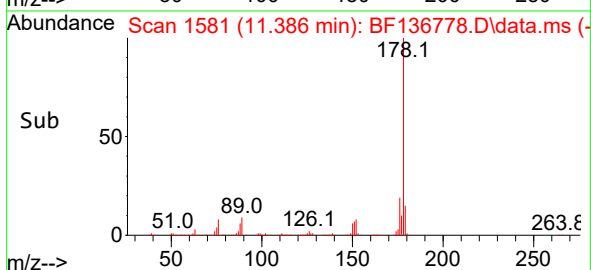
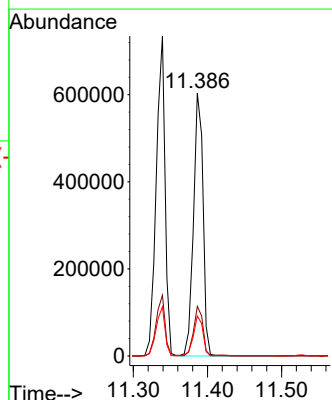
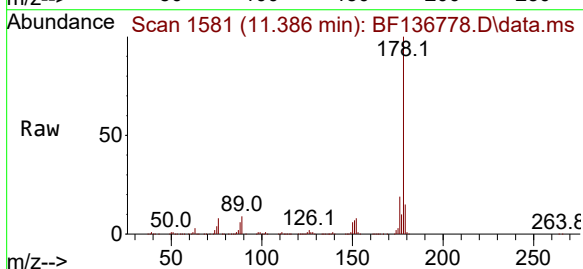
Tgt Ion:178 Resp: 538950

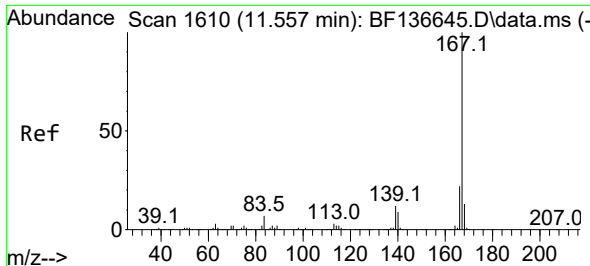
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

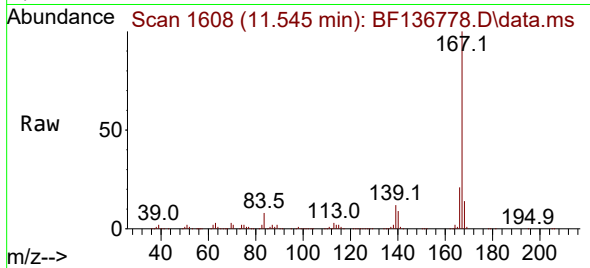
179 15.2 11.8 17.6



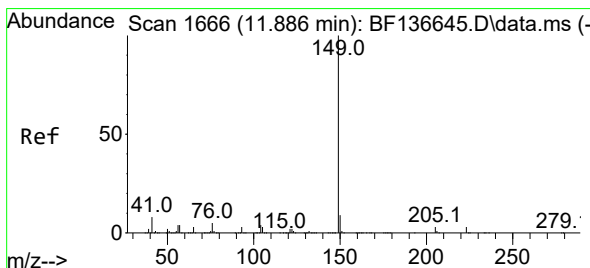
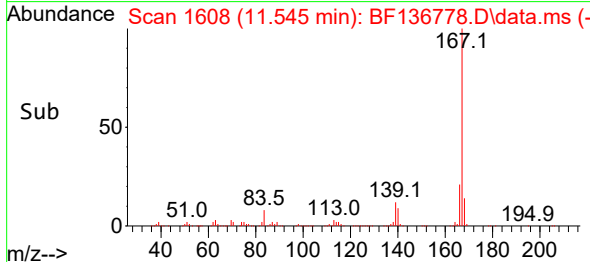
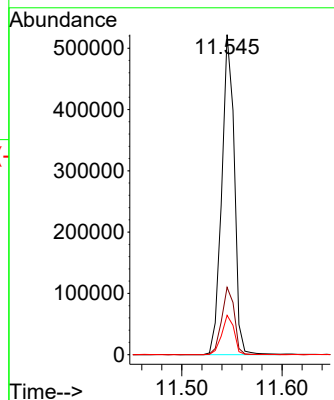


#73  
Carbazole  
Concen: 42.413 ng  
RT: 11.545 min Scan# 1608  
Delta R.T. -0.012 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

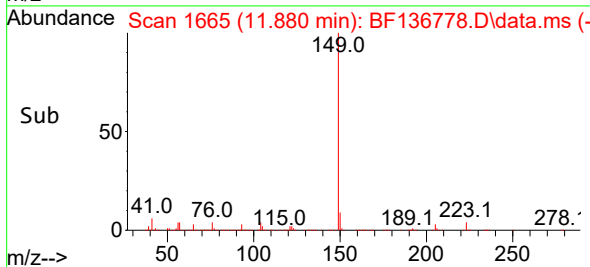
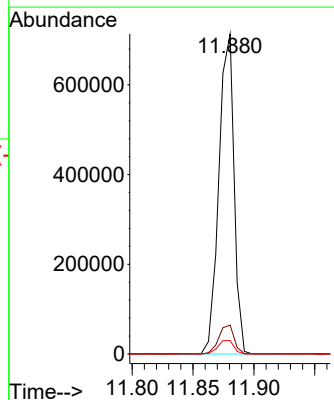
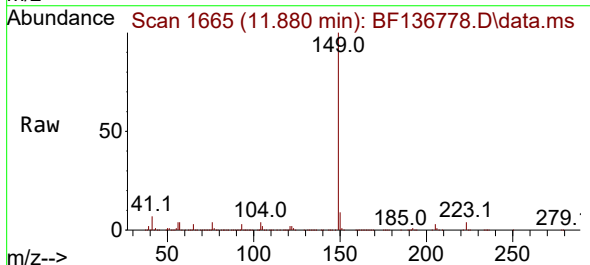


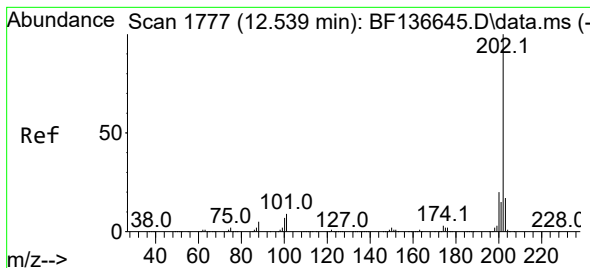
Tgt Ion:167 Resp: 453738  
Ion Ratio Lower Upper  
167 100  
166 21.1 17.3 25.9  
139 12.3 9.8 14.6



#74  
Di-n-butylphthalate  
Concen: 47.493 ng  
RT: 11.880 min Scan# 1665  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:149 Resp: 619987  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.4 11.2  
104 4.2 3.6 5.4





#75

Fluoranthene

Concen: 53.963 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

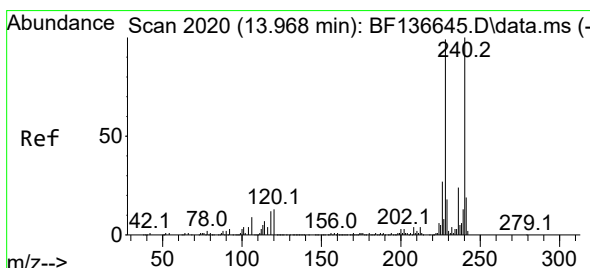
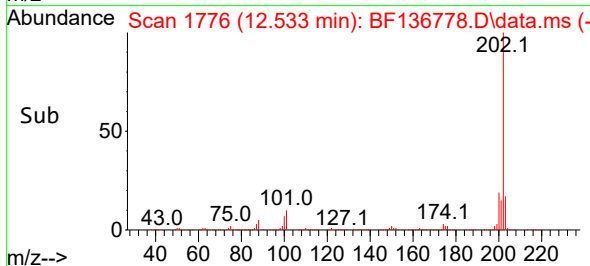
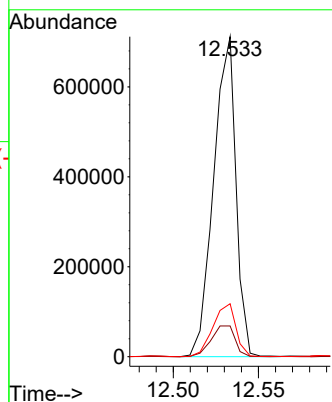
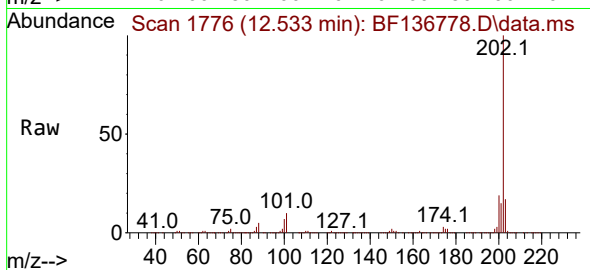
Tgt Ion:202 Resp: 646732

Ion Ratio Lower Upper

202 100

101 9.6 0.0 29.3

203 16.5 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

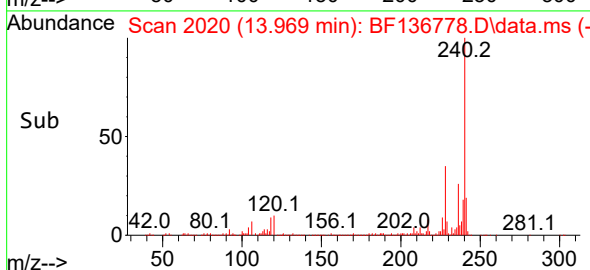
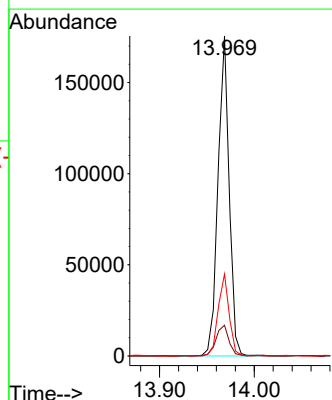
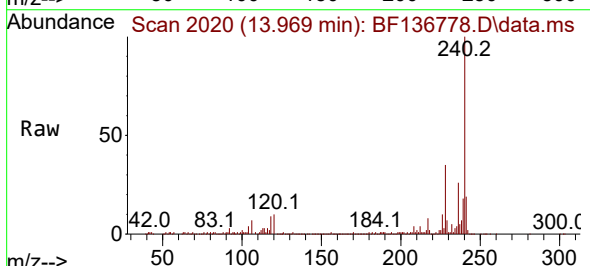
Tgt Ion:240 Resp: 143675

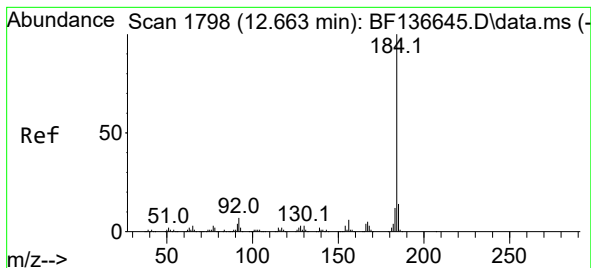
Ion Ratio Lower Upper

240 100

120 9.6 10.3 15.5#

236 25.6 19.4 29.2





#77

Benzidine

Concen: 27.538 ng

RT: 12.657 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

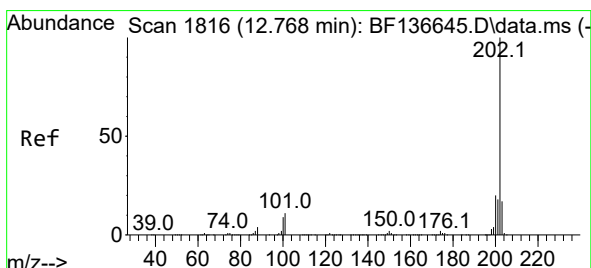
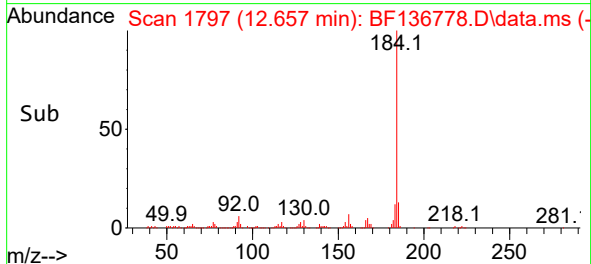
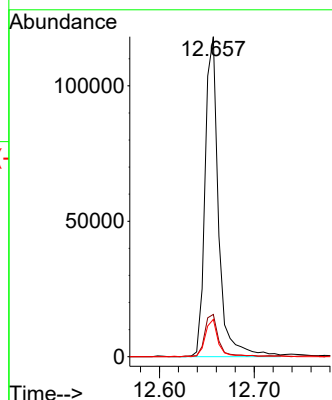
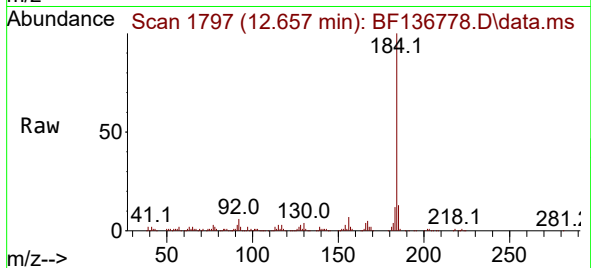
Tgt Ion:184 Resp: 116663

Ion Ratio Lower Upper

184 100

185 13.2 11.2 16.8

183 11.6 9.3 13.9



#78

Pyrene

Concen: 44.073 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

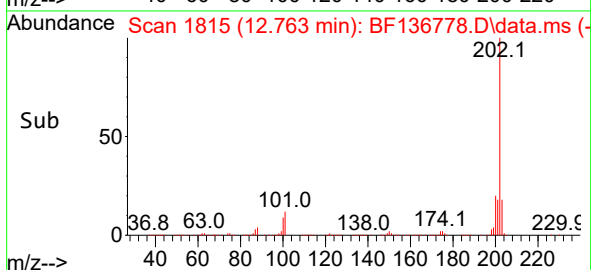
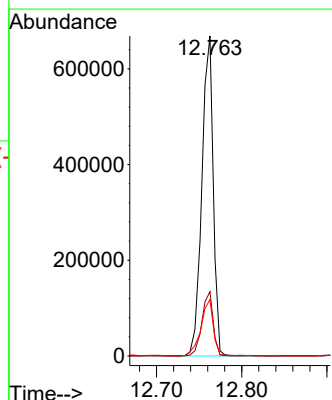
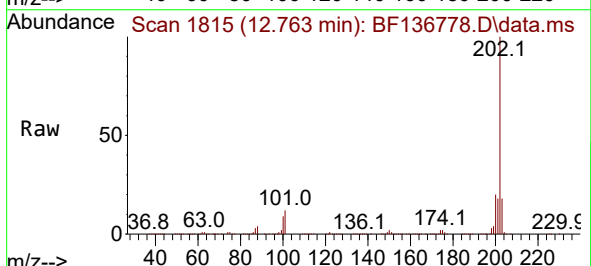
Tgt Ion:202 Resp: 621606

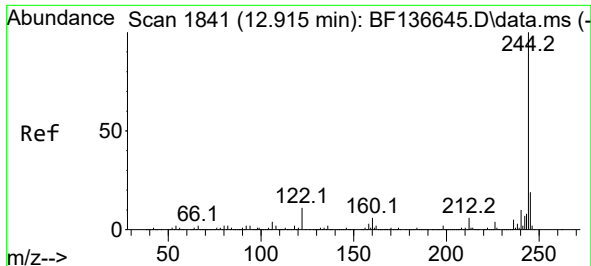
Ion Ratio Lower Upper

202 100

200 20.1 15.9 23.9

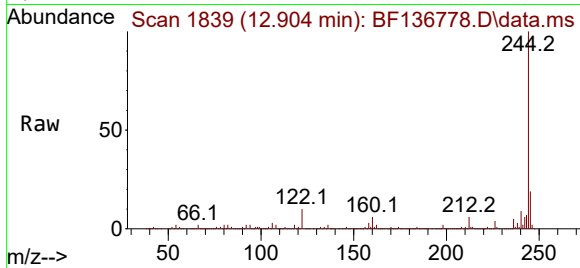
203 17.6 13.8 20.6



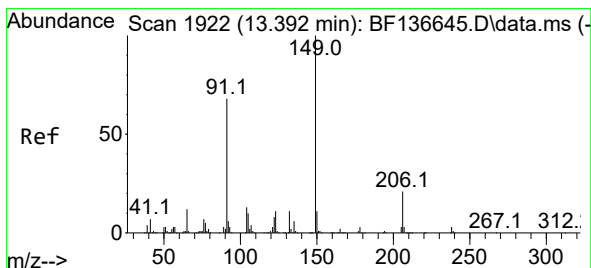
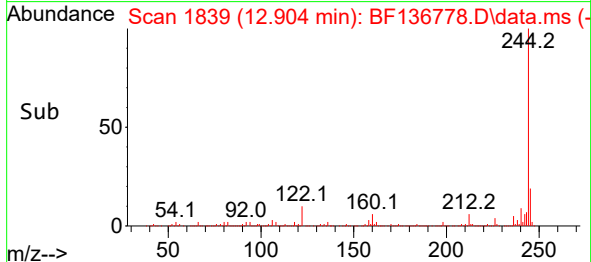
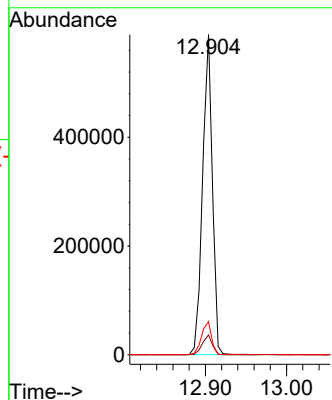


#79  
 Terphenyl-d14  
 Concen: 47.871 ng  
 RT: 12.904 min Scan# 1839  
 Delta R.T. -0.012 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

Instrument :  
 BNA\_F  
 ClientSampleId :

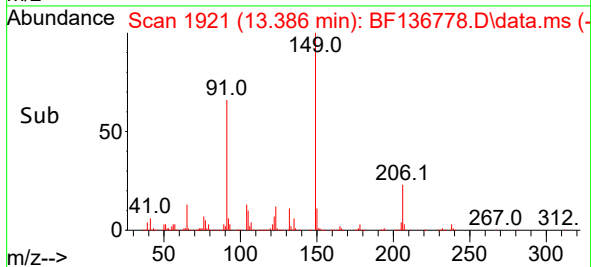
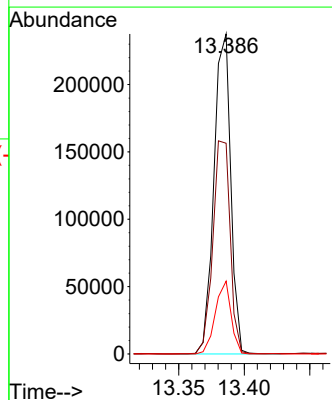
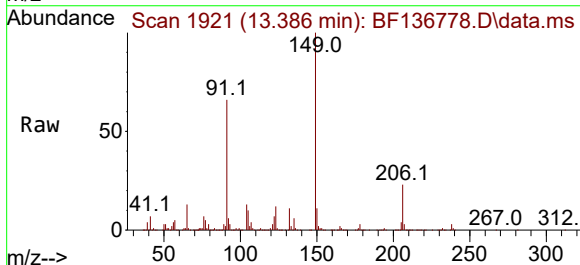


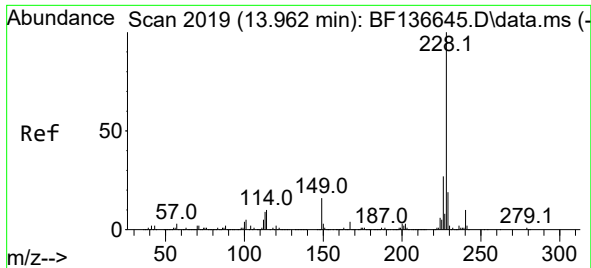
Tgt Ion:244 Resp: 492167  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.0 7.4  
 122 10.3 9.0 13.4



#80  
 Butylbenzylphthalate  
 Concen: 41.229 ng  
 RT: 13.386 min Scan# 1921  
 Delta R.T. -0.006 min  
 Lab File: BF136778.D  
 Acq: 28 Dec 2023 01:37

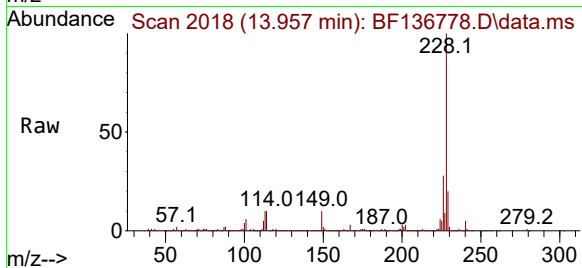
Tgt Ion:149 Resp: 211589  
 Ion Ratio Lower Upper  
 149 100  
 91 65.9 54.1 81.1  
 206 22.7 17.1 25.7



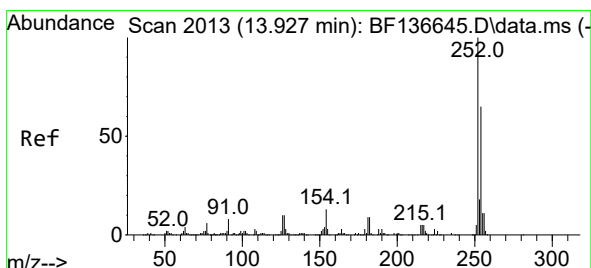
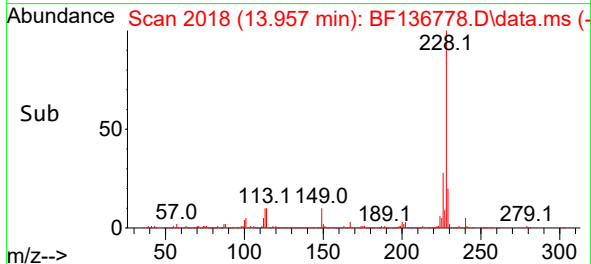
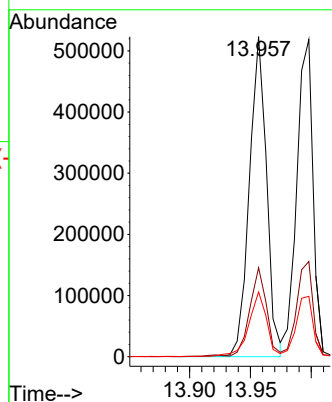


#81  
Benzo(a)anthracene  
Concen: 51.655 ng  
RT: 13.957 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Instrument :  
BNA\_F  
ClientSampleId :

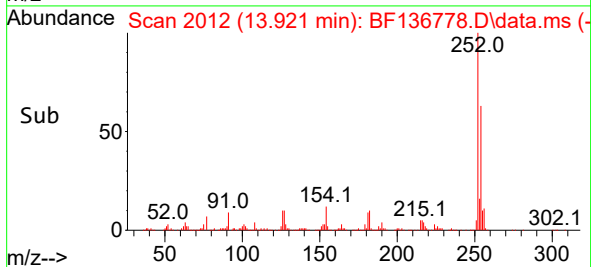
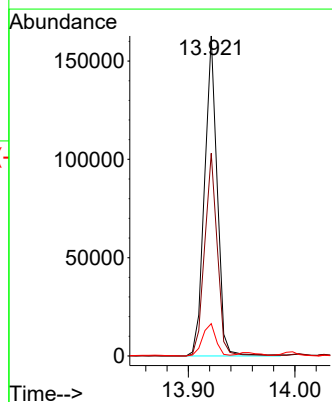
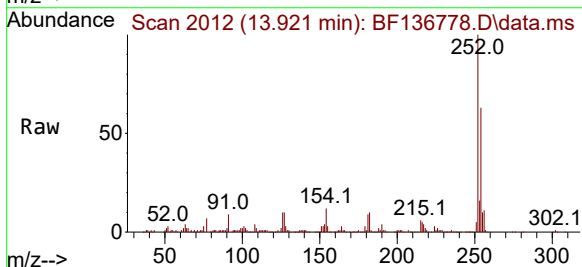


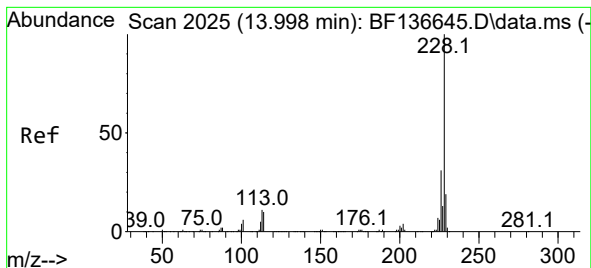
Tgt Ion:228 Resp: 515339  
Ion Ratio Lower Upper  
228 100  
226 27.8 21.4 32.0  
229 20.3 14.9 22.3



#82  
3,3'-Dichlorobenzidine  
Concen: 47.665 ng  
RT: 13.921 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF136778.D  
Acq: 28 Dec 2023 01:37

Tgt Ion:252 Resp: 135048  
Ion Ratio Lower Upper  
252 100  
254 63.4 52.2 78.4  
126 10.1 8.0 12.0





#83

Chrysene

Concen: 49.405 ng

RT: 13.998 min Scan# 2016

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

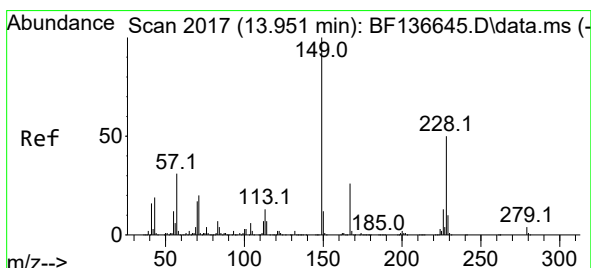
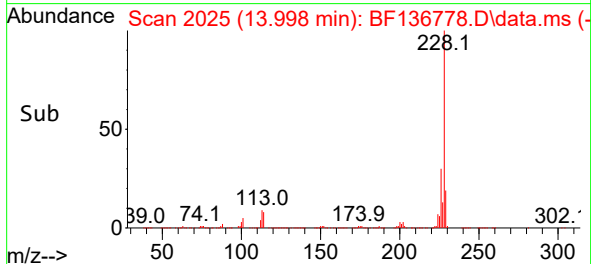
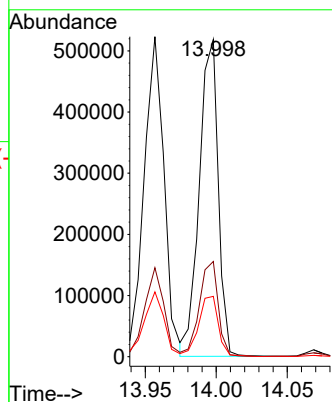
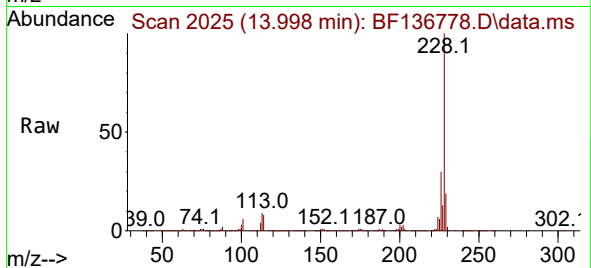
Tgt Ion:228 Resp: 482002

Ion Ratio Lower Upper

228 100

226 30.0 24.7 37.1

229 19.0 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.913 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

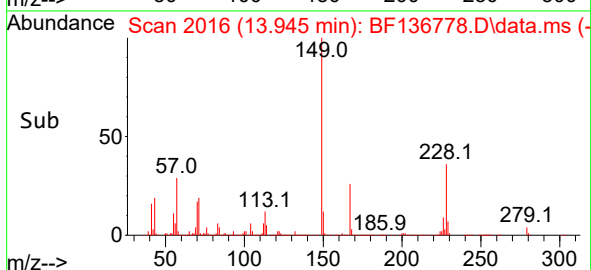
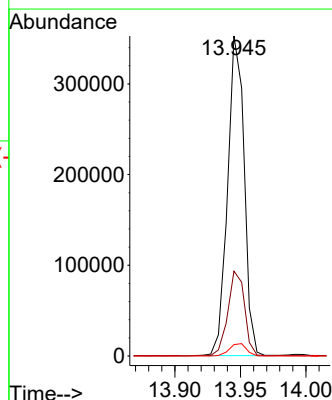
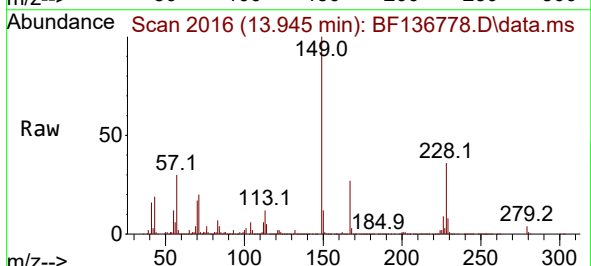
Tgt Ion:149 Resp: 309382

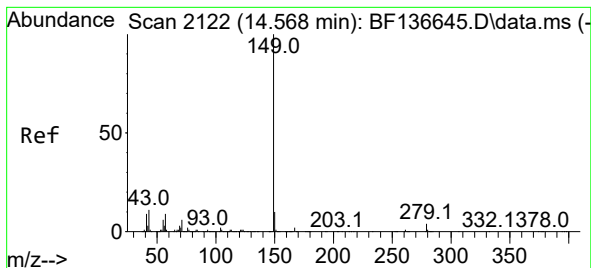
Ion Ratio Lower Upper

149 100

167 26.5 20.9 31.3

279 3.6 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 55.637 ng

RT: 14.563 min Scan# 2121

Delta R.T. -0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

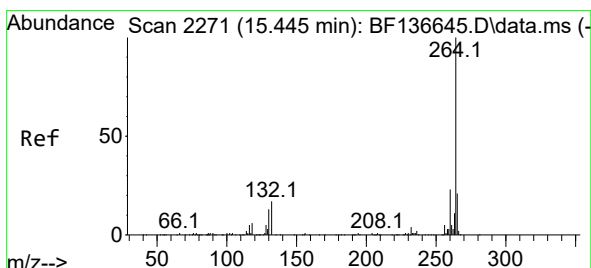
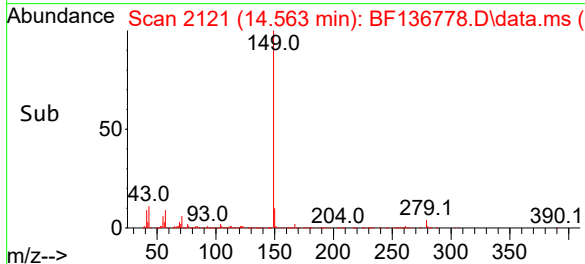
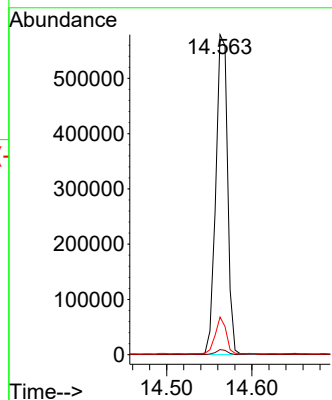
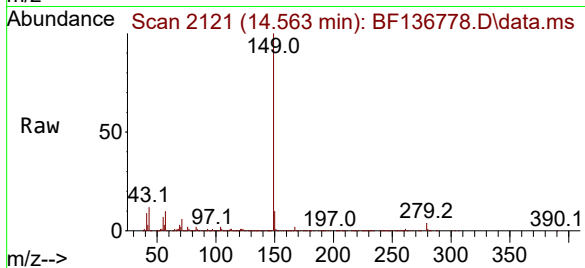
Tgt Ion:149 Resp: 555711

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 10.4 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

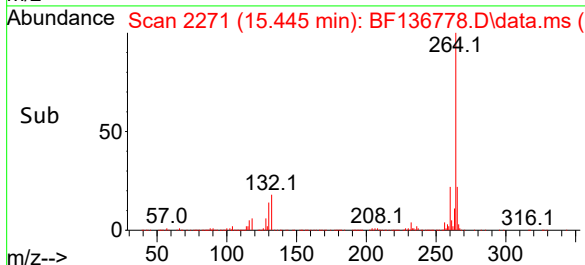
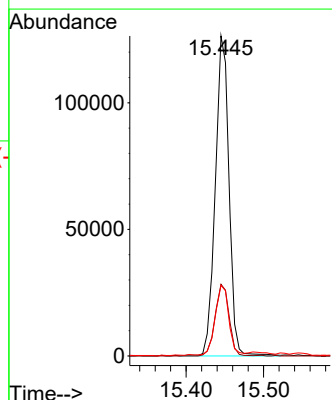
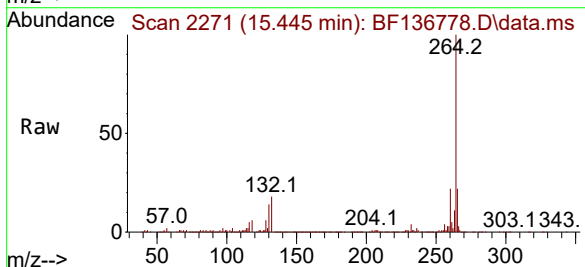
Tgt Ion:264 Resp: 155513

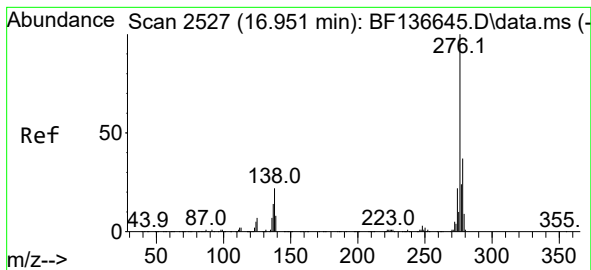
Ion Ratio Lower Upper

264 100

260 22.4 18.3 27.5

265 22.1 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 34.929 ng

RT: 16.957 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

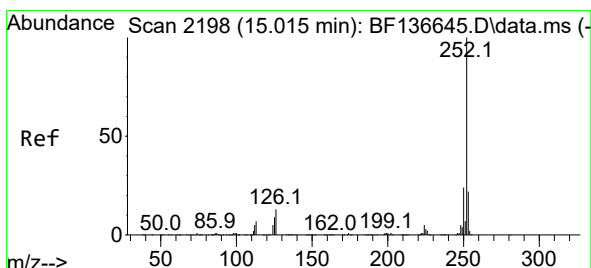
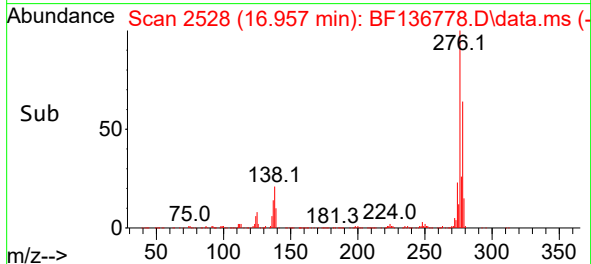
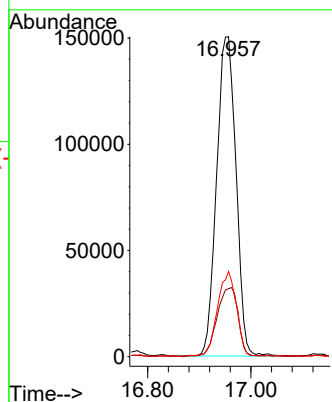
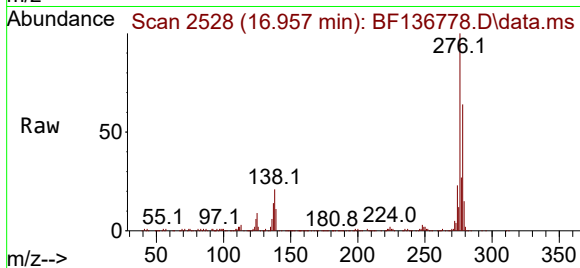
Tgt Ion:276 Resp: 392194

Ion Ratio Lower Upper

276 100

138 23.7 18.7 28.1

277 25.9 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 53.835 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

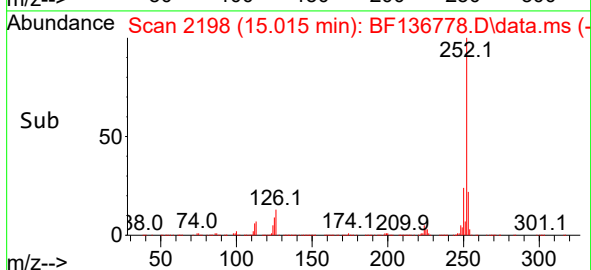
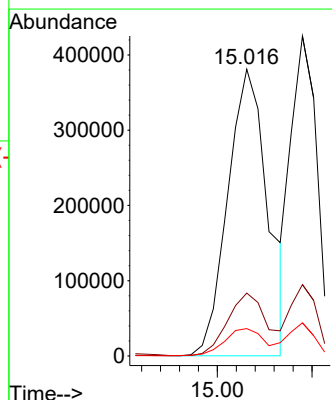
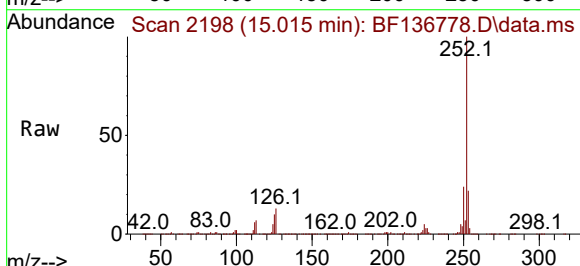
Tgt Ion:252 Resp: 559175

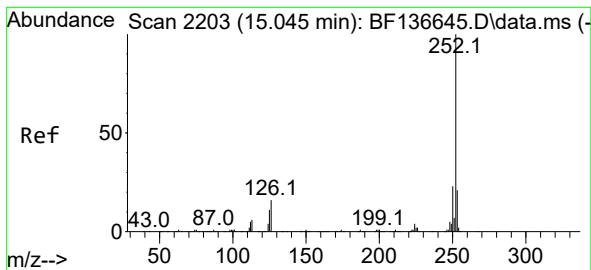
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 9.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 41.653 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

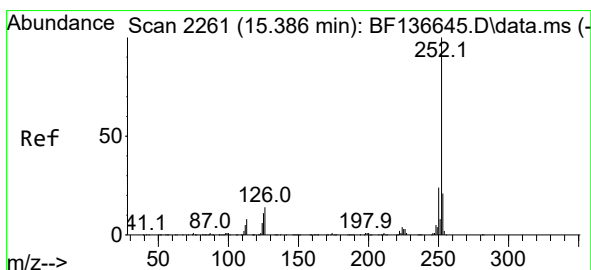
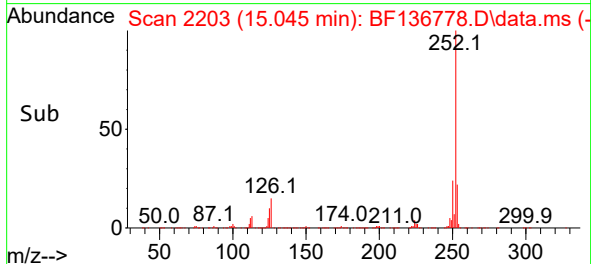
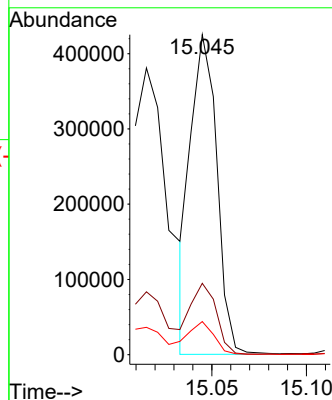
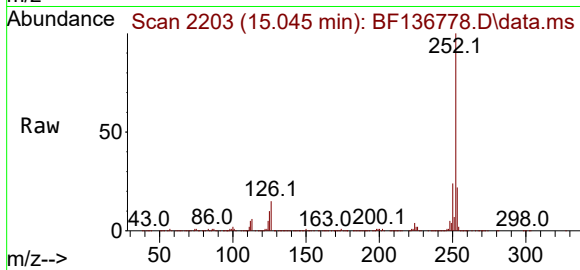
Tgt Ion:252 Resp: 408804

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 10.3 8.2 12.4



#90

Benzo(a)pyrene

Concen: 48.401 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

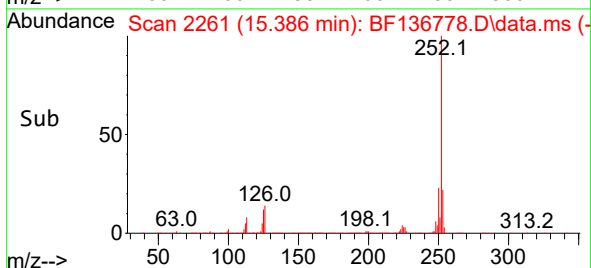
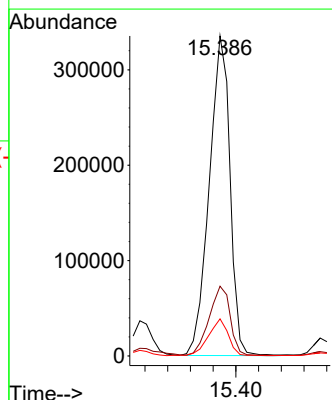
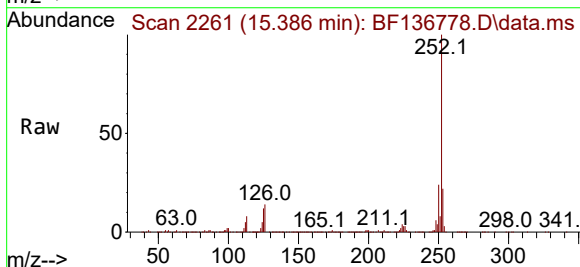
Tgt Ion:252 Resp: 424360

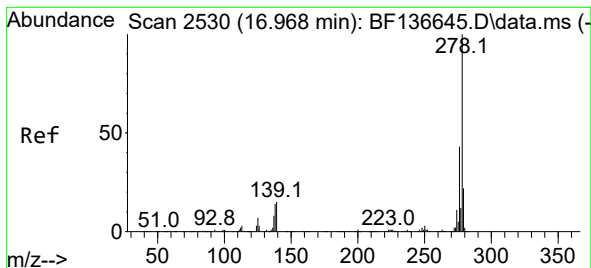
Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.6

125 11.6 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 34.571 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Instrument :

BNA\_F

ClientSampleId :

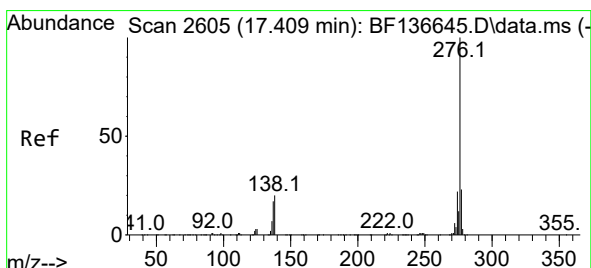
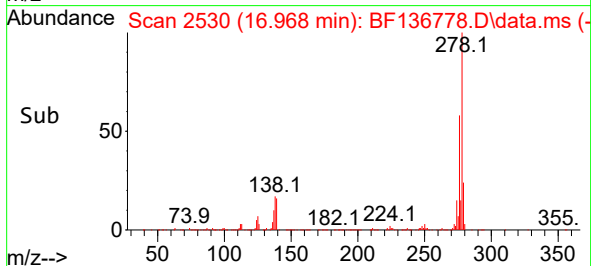
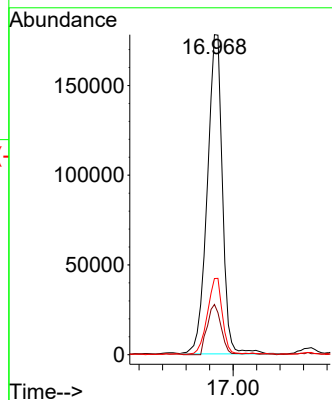
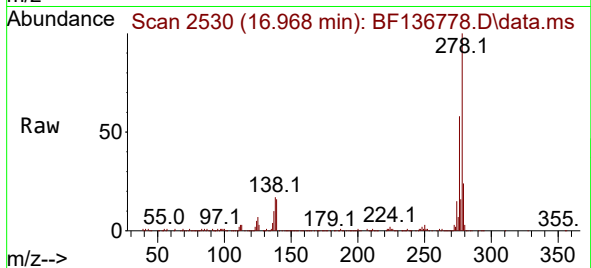
Tgt Ion:278 Resp: 318454

Ion Ratio Lower Upper

278 100

139 15.7 12.2 18.4

279 23.8 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 32.101 ng

RT: 17.409 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF136778.D

Acq: 28 Dec 2023 01:37

Tgt Ion:276 Resp: 302864

Ion Ratio Lower Upper

276 100

277 23.7 18.3 27.5

138 20.6 15.6 23.4

