

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF103123\  
 Data File : BF136060.D  
 Acq On : 31 Oct 2023 19:39  
 Operator : CG\JU  
 Sample : 04974-01MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

Quant Time: Nov 01 00:36:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.828  | 152  | 130089   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 456683   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 193908   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.357 | 188  | 338480   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.016 | 240  | 292805   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.504 | 264  | 256415   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.463  | 112  | 863277   | 104.279 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.463  | 99   | 1010093  | 97.929  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.387  | 82   | 591952   | 78.138  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 221040   | 106.797 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 965333   | 79.359  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 1084281  | 57.547  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.663  | 88   | 159623   | 44.280  | ng    | 99       |
| 3) Pyridine                   | 3.416  | 79   | 377404   | 38.356  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 191091   | 46.450  | ng    | 98       |
| 6) Aniline                    | 6.504  | 93   | 403173   | 30.191  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 398334   | 45.006  | ng    | 100      |
| 9) Benzaldehyde               | 6.375  | 77   | 135215   | 23.510  | ng    | 97       |
| 10) Phenol                    | 6.475  | 94   | 478027   | 44.808  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 392023   | 46.938  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.769  | 146  | 427200   | 46.376  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.845  | 146  | 436600   | 47.294  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 408341   | 47.305  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 314127   | 42.951  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 514575   | 44.762  | ng    | 99       |
| 17) 2-Methylphenol            | 7.081  | 107  | 293794   | 39.129  | ng    | 98       |
| 18) Hexachloroethane          | 7.334  | 117  | 138515   | 42.690  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.239  | 70   | 243379   | 41.296  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 355882   | 38.870  | ng    | 94       |
| 22) Acetophenone              | 7.234  | 105  | 501949   | 49.567  | ng    | # 90     |
| 24) Nitrobenzene              | 7.410  | 77   | 367122   | 47.908  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 649168   | 45.390  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.722  | 139  | 183392   | 52.454  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.757  | 122  | 262072   | 39.668  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 415862   | 47.456  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 285586   | 45.853  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 324149   | 47.708  | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1021879  | 46.402  | ng    | 100      |
| 32) Benzoic acid              | 7.869  | 122  | 204237   | 39.592  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.181  | 127  | 236635   | 24.536  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 187963   | 48.239  | ng    | 99       |
| 35) Caprolactam               | 8.569  | 113  | 12371    | 6.109   | ng    | 92       |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 274373   | 41.961  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 612209   | 41.460  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.922  | 142  | 578479   | 42.097  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 289124   | 52.282  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 76252    | 25.809  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 178164   | 49.412  | ng    | 99       |

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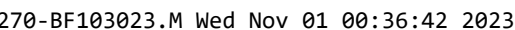
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

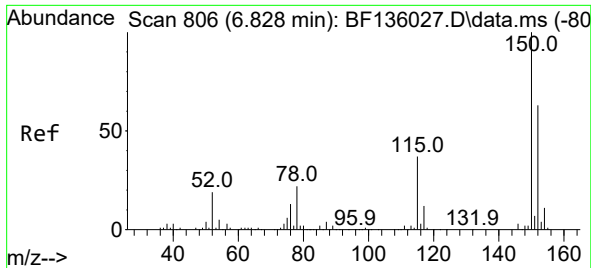
Quant Time: Nov 01 00:36:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF103023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Oct 31 01:13:02 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 187215   | 44.823 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 754733   | 51.058 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 550002   | 50.472 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 159695   | 49.518 | ng    | 99       |
| 49) Acenaphthylene            | 9.728  | 152  | 840360   | 49.433 | ng    | 99       |
| 50) Dimethylphthalate         | 9.586  | 163  | 630738   | 49.313 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 134520   | 49.174 | ng    | 94       |
| 52) Acenaphthene              | 9.898  | 154  | 541232   | 50.082 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.816  | 138  | 131387   | 41.162 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 51622    | 39.323 | ng    | 96       |
| 55) Dibenzofuran              | 10.069 | 168  | 748819   | 47.519 | ng    | 96       |
| 56) 4-Nitrophenol             | 9.975  | 139  | 232200   | 97.251 | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 10.051 | 165  | 165327   | 47.766 | ng    | 98       |
| 58) Fluorene                  | 10.416 | 166  | 556371   | 47.156 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 146002   | 43.968 | ng    | # 99     |
| 60) Diethylphthalate          | 10.292 | 149  | 569929   | 46.636 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 266428   | 45.238 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.428 | 138  | 126545   | 41.171 | ng    | 98       |
| 63) Azobenzene                | 10.569 | 77   | 520981   | 44.265 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 40044    | 24.724 | ng    | 78       |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 485148   | 47.514 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.904 | 248  | 169338   | 47.718 | ng    | 98       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 189890   | 50.102 | ng    | # 95     |
| 69) Atrazine                  | 11.063 | 200  | 162221   | 58.392 | ng    | 100      |
| 70) Pentachlorophenol         | 11.157 | 266  | 221282   | 90.910 | ng    | 97       |
| 71) Phenanthrene              | 11.380 | 178  | 1118367  | 65.622 | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 908852   | 52.043 | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 790784   | 52.109 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 867014   | 49.999 | ng    | 99       |
| 75) Fluoranthene              | 12.580 | 202  | 1365633  | 78.001 | ng    | 99       |
| 77) Benzidine                 | 12.704 | 184  | 440142   | 77.123 | ng    | 99       |
| 78) Pyrene                    | 12.810 | 202  | 1339352  | 51.882 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.439 | 149  | 396201   | 42.876 | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.010 | 228  | 1082241  | 55.830 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.974 | 252  | 343424   | 55.508 | ng    | 99       |
| 83) Chrysene                  | 14.045 | 228  | 1046651  | 54.826 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 496242   | 46.094 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 986686   | 61.179 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.027 | 276  | 677152   | 40.407 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 971568   | 64.035 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 767589   | 51.130 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 732082   | 51.930 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.051 | 278  | 524817   | 38.232 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.486 | 276  | 541798   | 35.471 | ng    | 99       |

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

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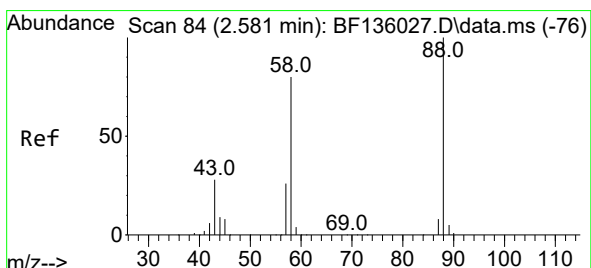
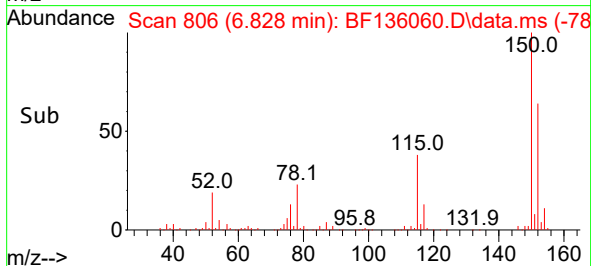
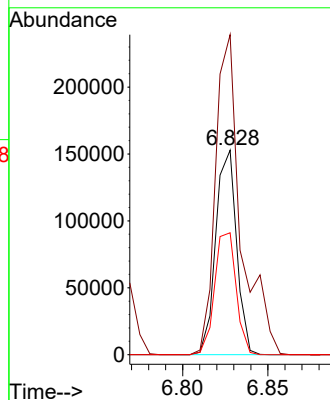
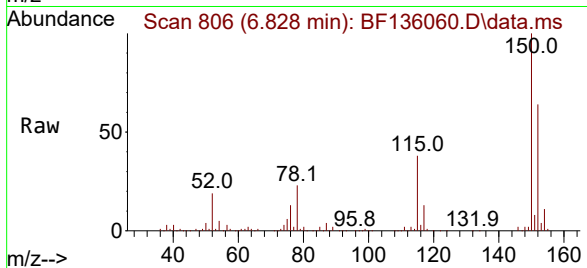




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.828 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

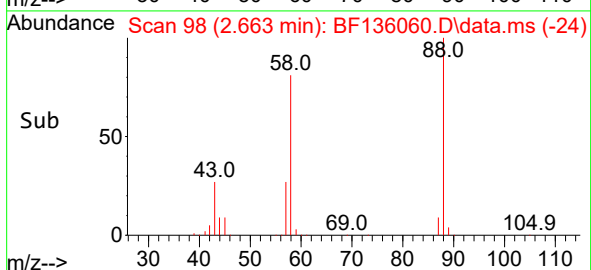
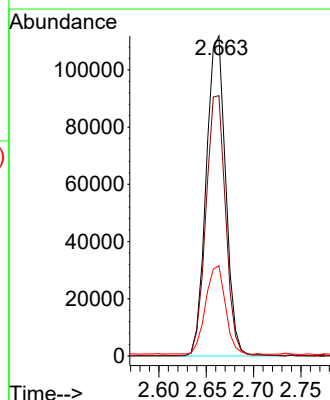
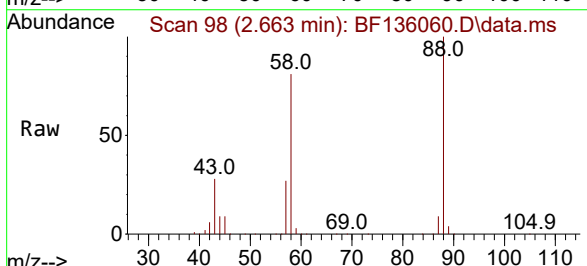
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

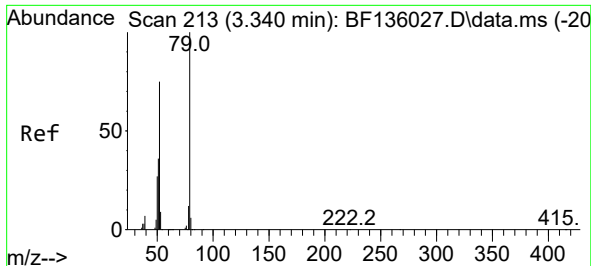
Tgt Ion:152 Resp: 130089  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 126.4 189.6  
 115 59.6 47.0 70.4



#2  
 1,4-Dioxane  
 Concen: 44.280 ng  
 RT: 2.663 min Scan# 98  
 Delta R.T. 0.083 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

Tgt Ion: 88 Resp: 159623  
 Ion Ratio Lower Upper  
 88 100  
 58 81.9 64.3 96.5  
 43 28.3 22.3 33.5

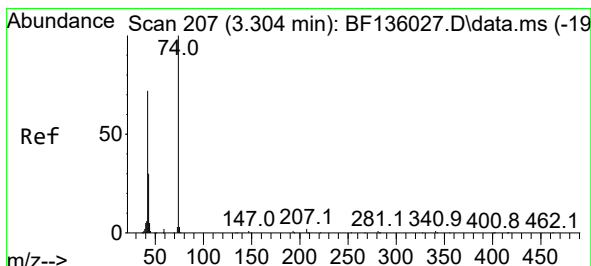
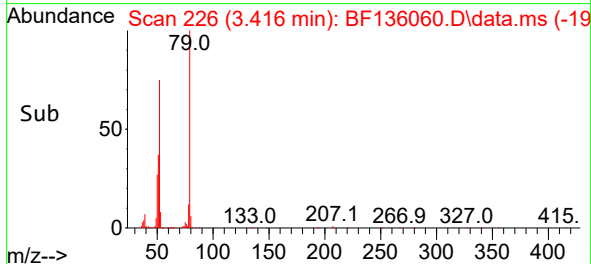
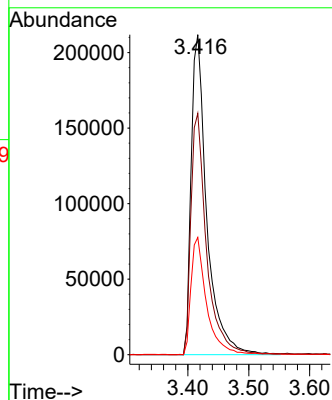
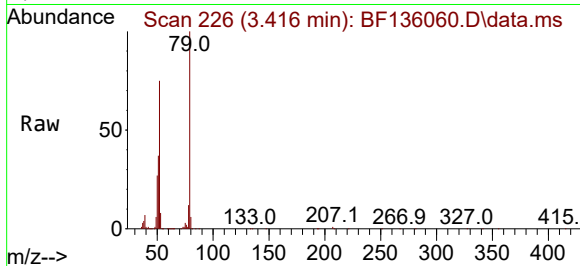




#3  
 Pyridine  
 Concen: 38.356 ng  
 RT: 3.416 min Scan# 21  
 Delta R.T. 0.077 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

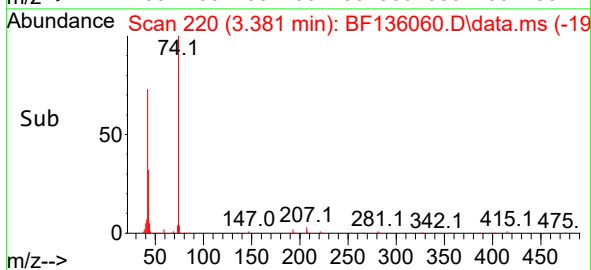
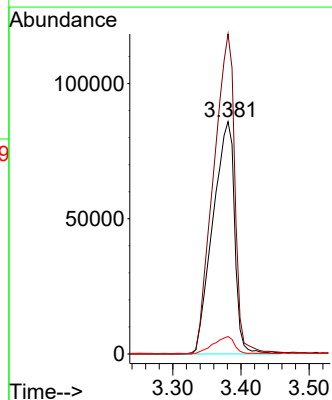
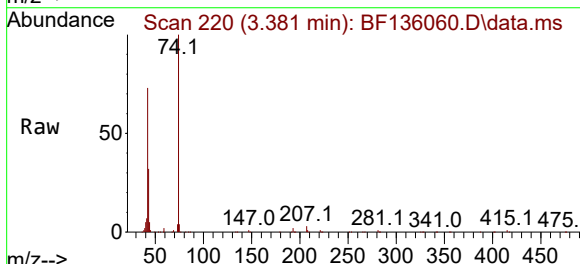
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

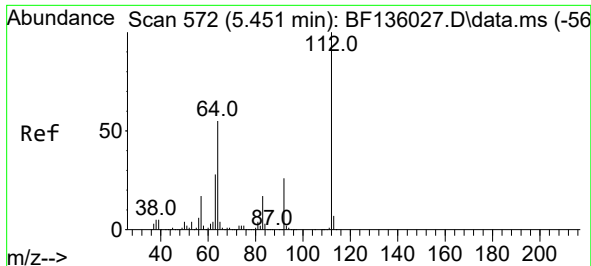
Tgt Ion: 79 Resp: 377404  
 Ion Ratio Lower Upper  
 79 100  
 52 75.4 60.3 90.5  
 51 36.7 29.3 43.9



#4  
 n-Nitrosodimethylamine  
 Concen: 46.450 ng  
 RT: 3.381 min Scan# 220  
 Delta R.T. 0.077 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

Tgt Ion: 42 Resp: 191091  
 Ion Ratio Lower Upper  
 42 100  
 74 137.7 111.8 167.6  
 44 7.5 6.2 9.4

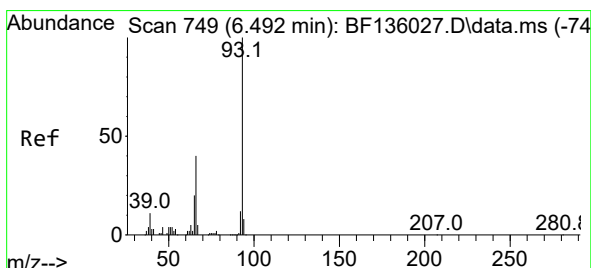
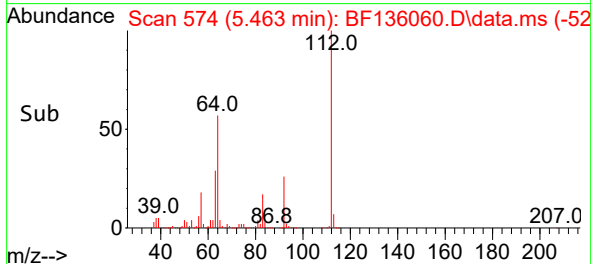
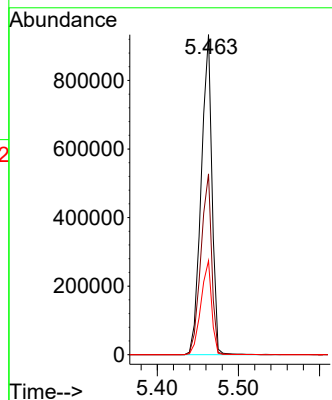
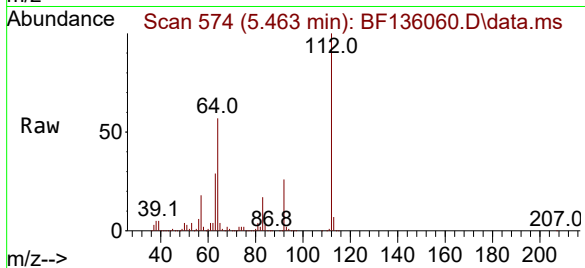




#5  
2-Fluorophenol  
Concen: 104.279 ng  
RT: 5.463 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

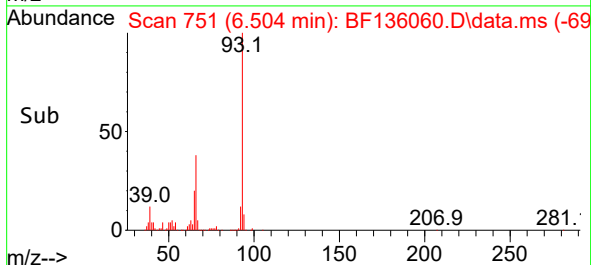
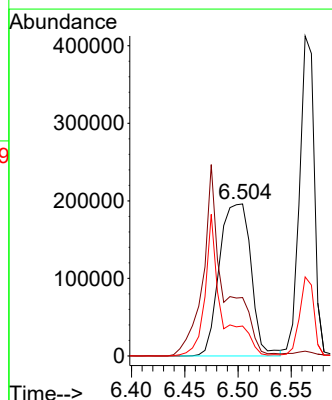
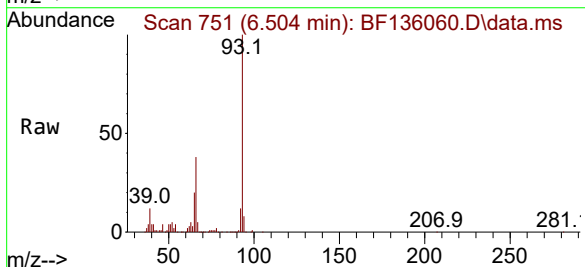
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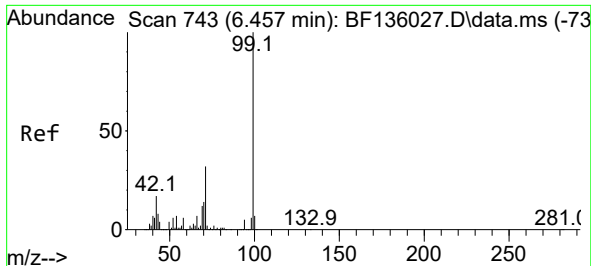
Tgt Ion:112 Resp: 863277  
Ion Ratio Lower Upper  
112 100  
64 56.5 43.9 65.9  
63 29.3 22.4 33.6



#6  
Aniline  
Concen: 30.191 ng  
RT: 6.504 min Scan# 751  
Delta R.T. 0.012 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 93 Resp: 403173  
Ion Ratio Lower Upper  
93 100  
66 38.4 32.4 48.6  
65 19.7 16.2 24.2

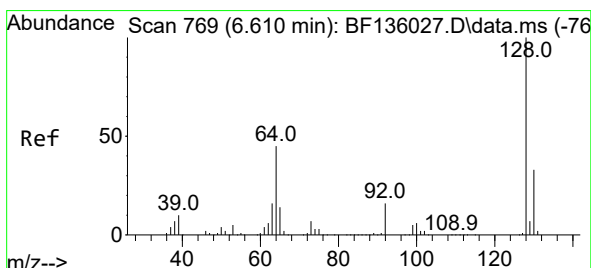
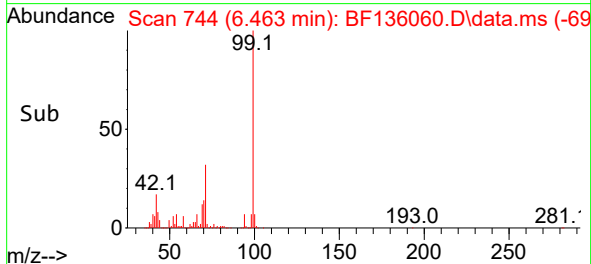
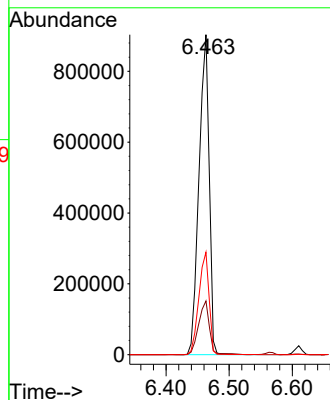
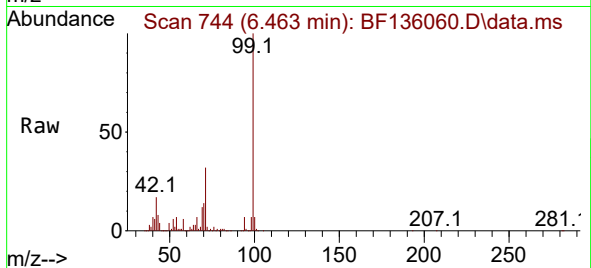




#7  
Phenol-d6  
Concen: 97.929 ng  
RT: 6.463 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

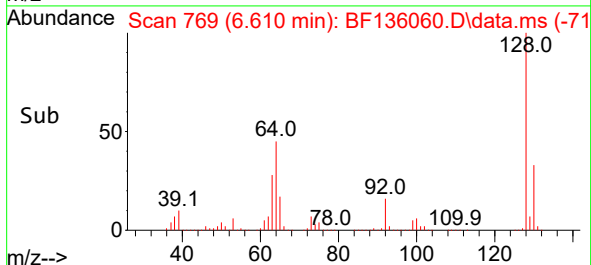
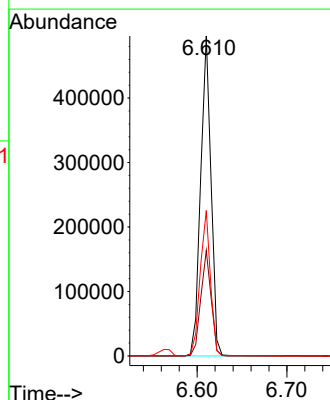
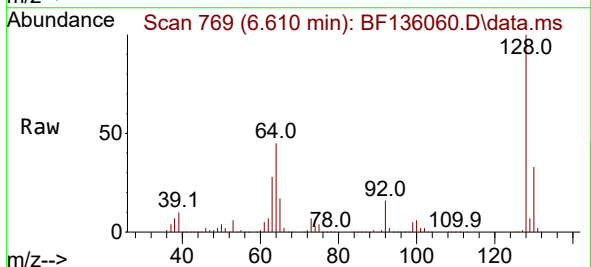
Instrument :  
BNA\_F  
ClientSampleId :  
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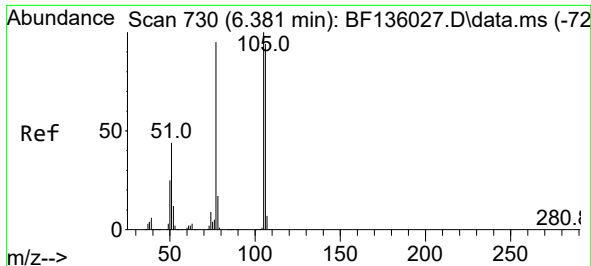
Tgt Ion: 99 Resp: 1010093  
Ion Ratio Lower Upper  
99 100  
42 16.8 13.7 20.5  
71 32.0 25.9 38.9



#8  
2-Chlorophenol  
Concen: 45.006 ng  
RT: 6.610 min Scan# 769  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 128 Resp: 398334  
Ion Ratio Lower Upper  
128 100  
130 32.9 12.8 52.8  
64 45.4 25.8 65.8

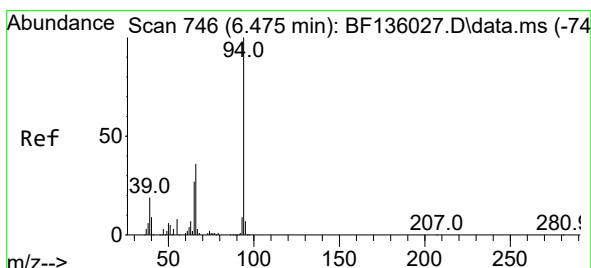
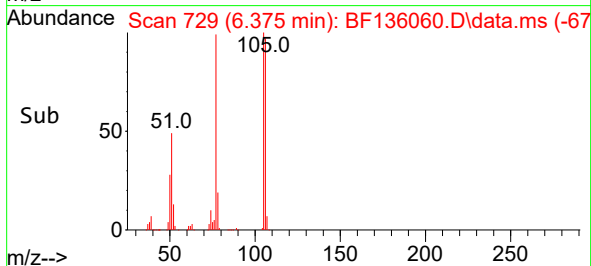
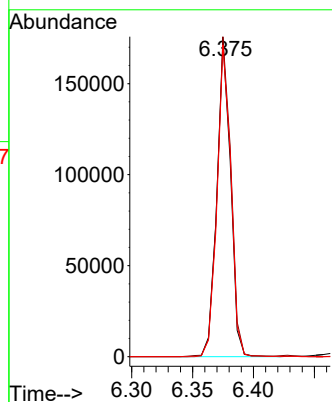
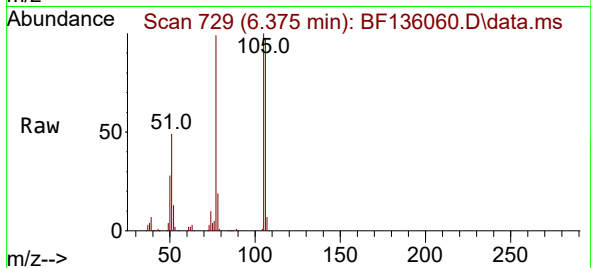




#9  
Benzaldehyde  
Concen: 23.510 ng  
RT: 6.375 min Scan# 729  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

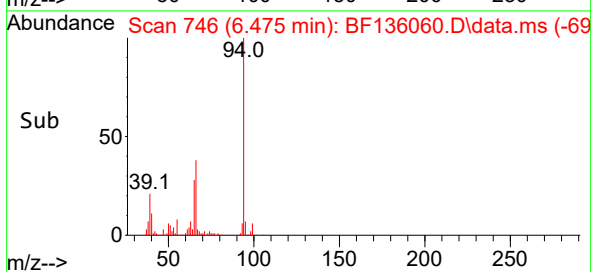
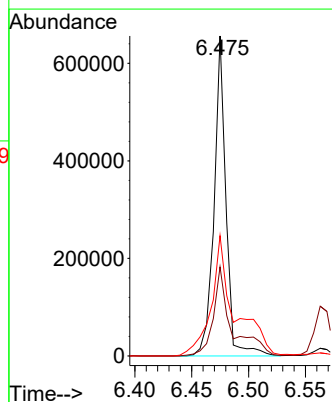
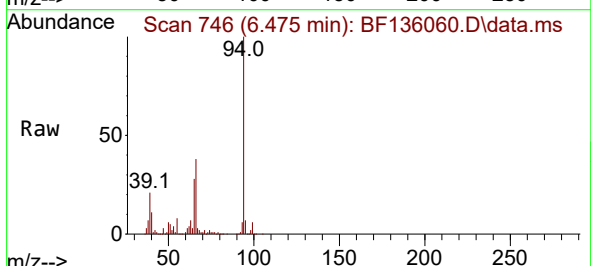
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

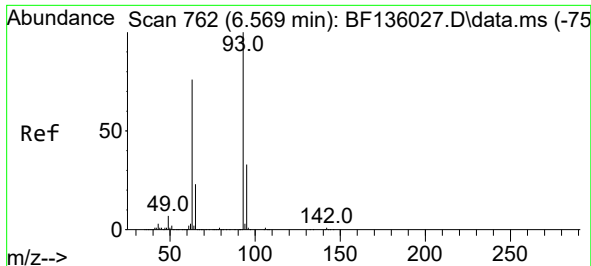
Tgt Ion: 77 Resp: 135215  
Ion Ratio Lower Upper  
77 100  
105 101.3 85.7 125.7  
106 98.7 79.8 119.8



#10  
Phenol  
Concen: 44.808 ng  
RT: 6.475 min Scan# 746  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 94 Resp: 478027  
Ion Ratio Lower Upper  
94 100  
65 27.8 7.5 47.5  
66 37.6 17.1 57.1





#11

bis(2-Chloroethyl)ether

Concen: 46.938 ng

RT: 6.563 min Scan# 761

Delta R.T. -0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

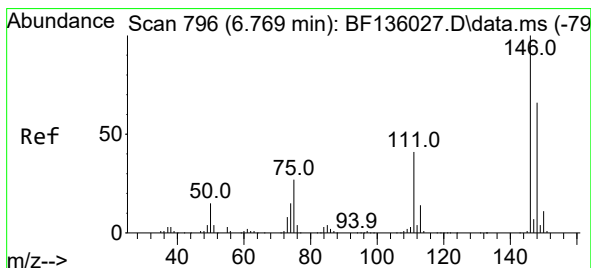
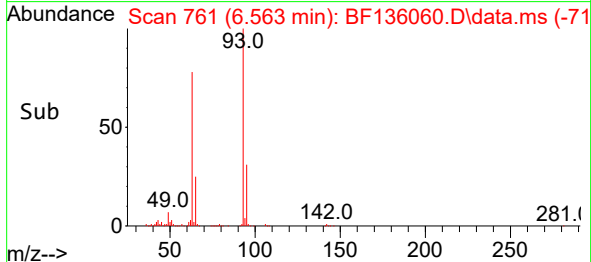
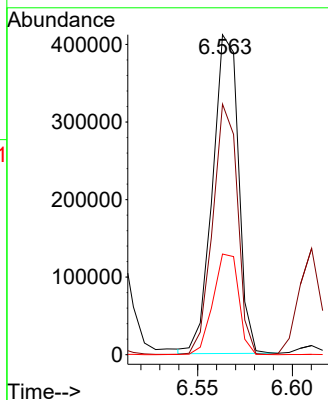
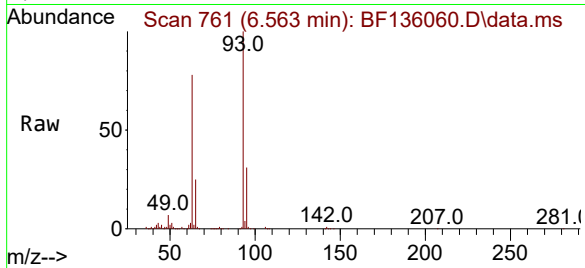
Tgt Ion: 93 Resp: 392023

Ion Ratio Lower Upper

93 100

63 78.3 55.8 95.8

95 31.4 12.9 52.9



#12

1,3-Dichlorobenzene

Concen: 46.376 ng

RT: 6.769 min Scan# 796

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

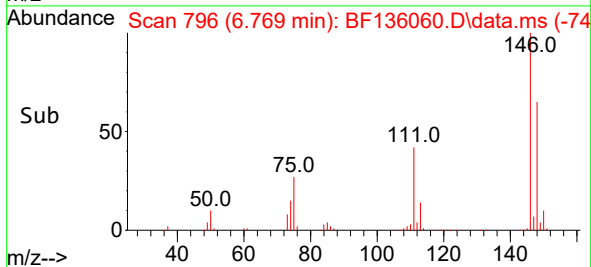
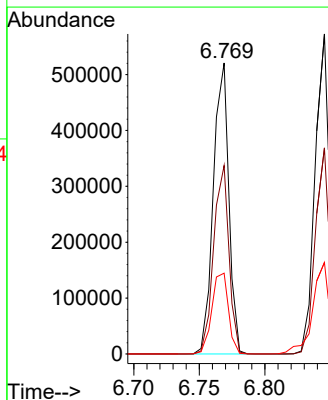
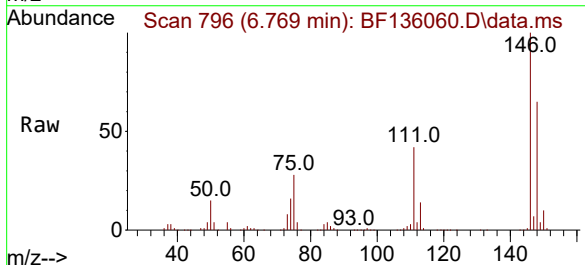
Tgt Ion:146 Resp: 427200

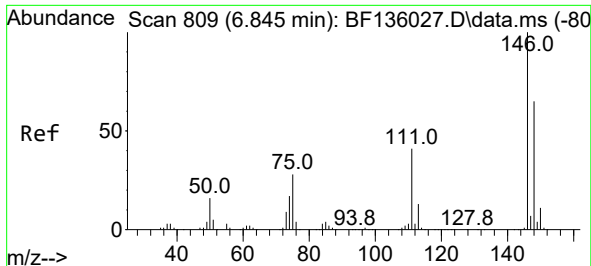
Ion Ratio Lower Upper

146 100

148 64.8 52.6 78.8

75 27.7 21.6 32.4





#13

1,4-Dichlorobenzene

Concen: 47.294 ng

RT: 6.845 min Scan# 809

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

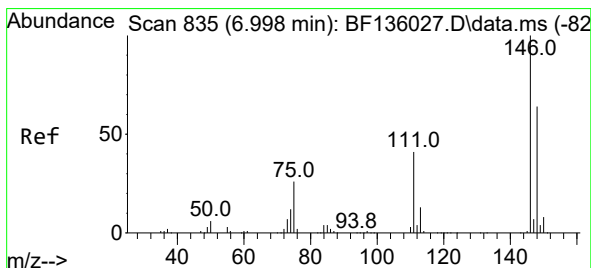
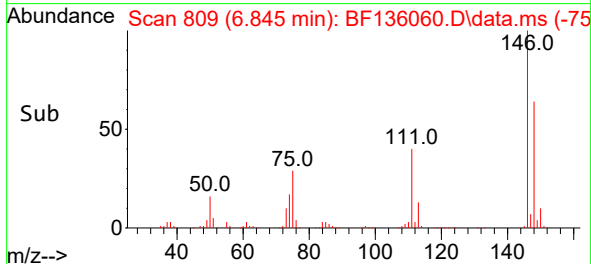
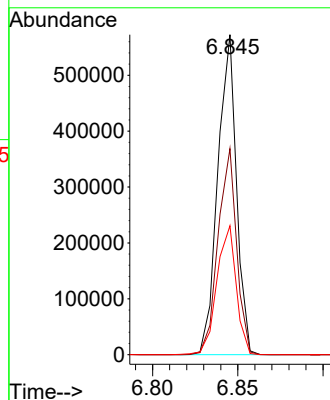
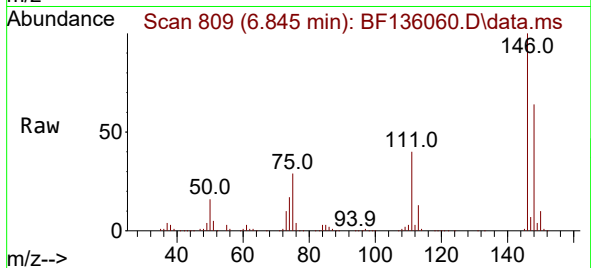
Tgt Ion:146 Resp: 436600

Ion Ratio Lower Upper

146 100

148 64.4 52.1 78.1

111 40.3 32.6 48.8



#14

1,2-Dichlorobenzene

Concen: 47.305 ng

RT: 6.992 min Scan# 834

Delta R.T. -0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

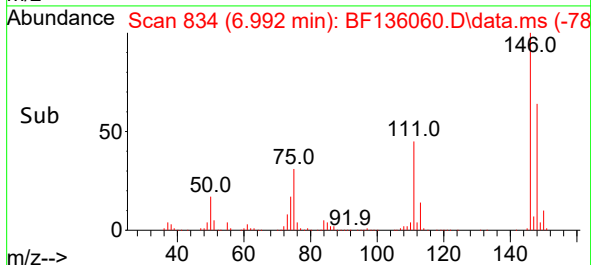
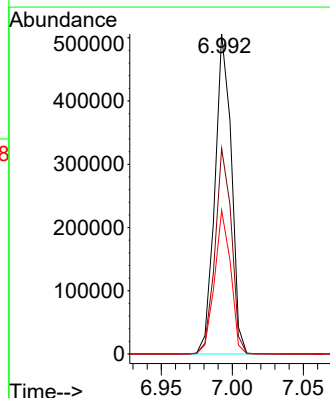
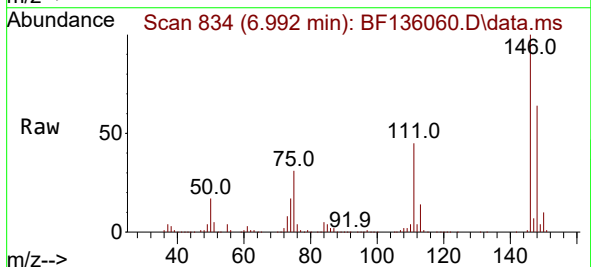
Tgt Ion:146 Resp: 408341

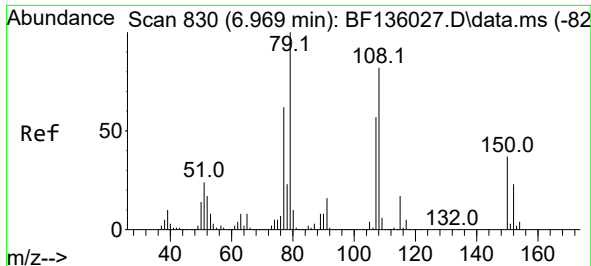
Ion Ratio Lower Upper

146 100

148 64.3 51.4 77.2

111 44.9 33.0 49.4

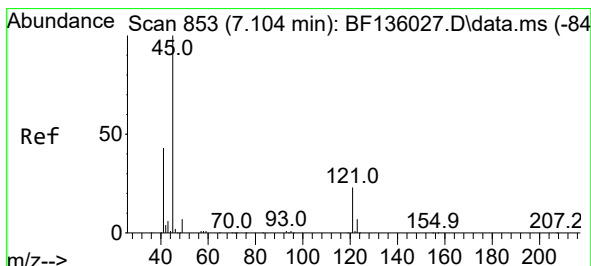
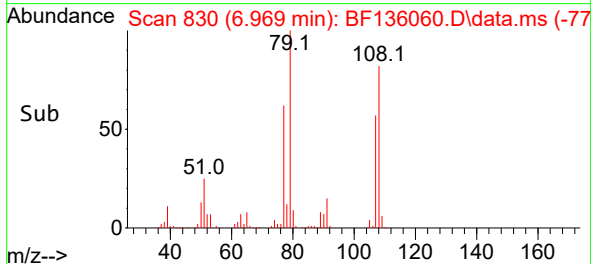
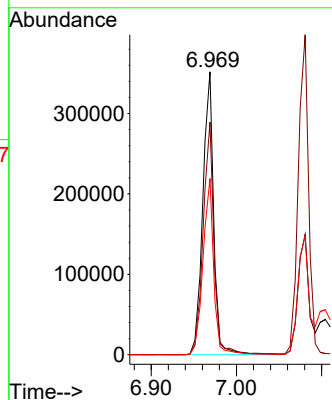
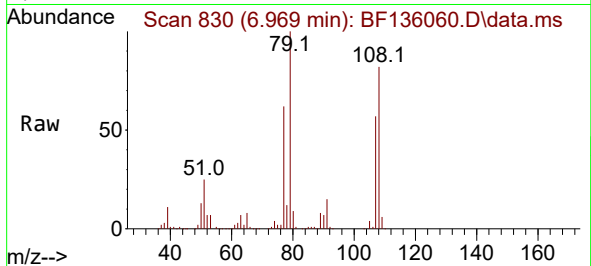




#15  
Benzyl Alcohol  
Concen: 42.951 ng  
RT: 6.969 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

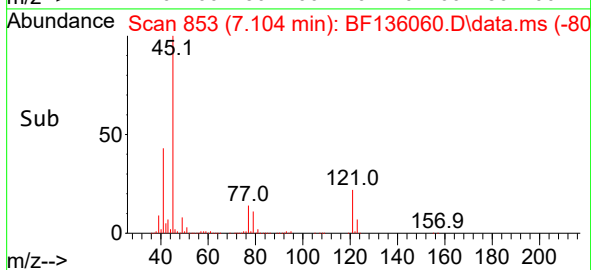
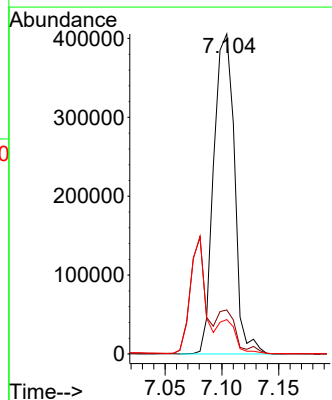
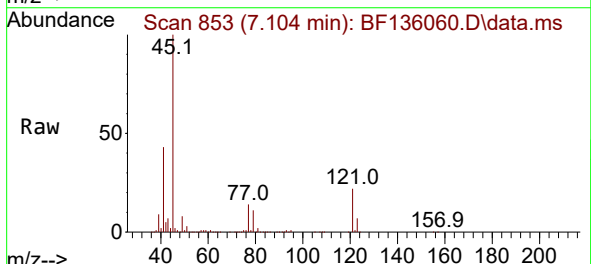
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

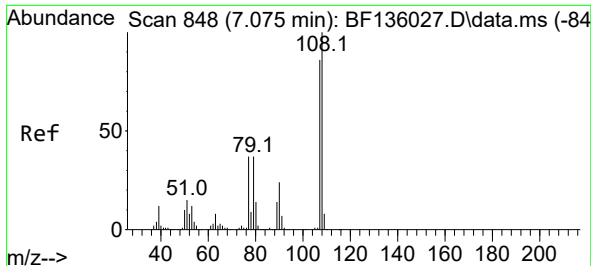
Tgt Ion: 79 Resp: 314127  
Ion Ratio Lower Upper  
79 100  
108 82.2 65.9 98.9  
77 62.3 49.4 74.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.762 ng  
RT: 7.104 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 45 Resp: 514575  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 34.6  
79 10.8 0.0 30.6





#17

2-Methylphenol

Concen: 39.129 ng

RT: 7.081 min Scan# 848

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

Tgt Ion:107 Resp: 293794

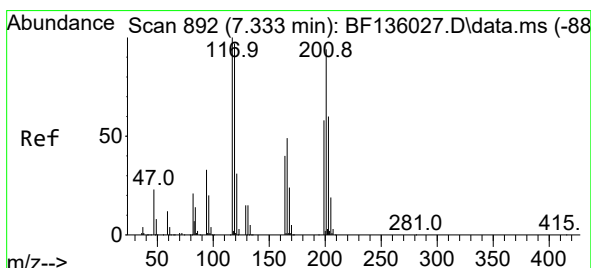
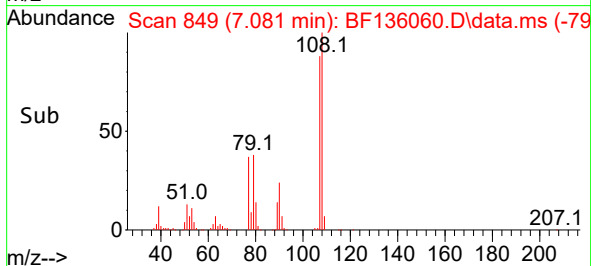
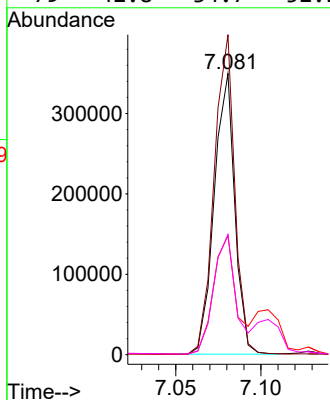
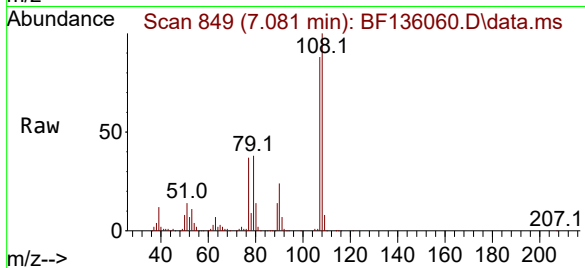
Ion Ratio Lower Upper

107 100

108 113.8 93.4 140.2

77 42.3 34.4 51.6

79 42.8 34.7 52.1



#18

Hexachloroethane

Concen: 42.690 ng

RT: 7.334 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

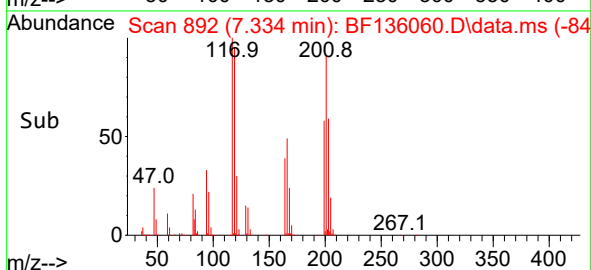
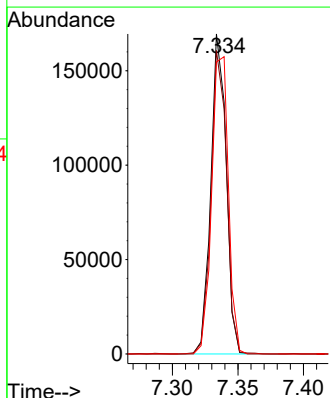
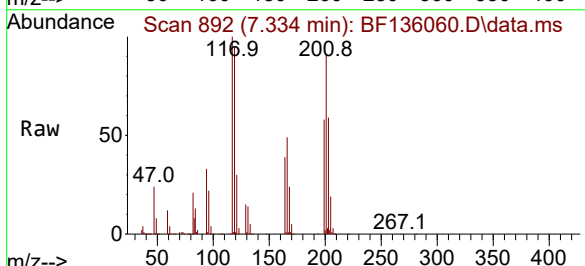
Tgt Ion:117 Resp: 138515

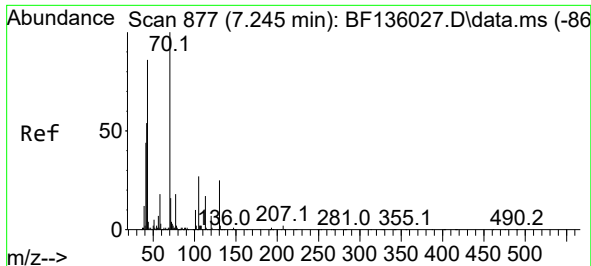
Ion Ratio Lower Upper

117 100

119 94.8 77.7 116.5

201 91.3 75.0 112.6



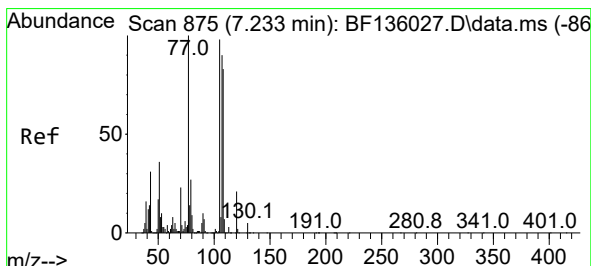
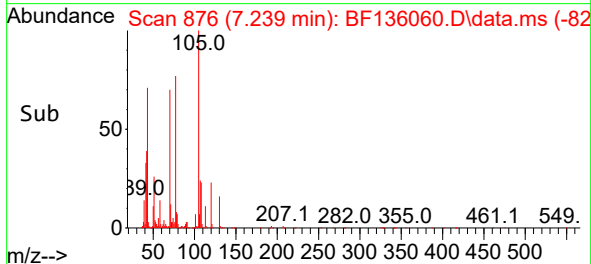
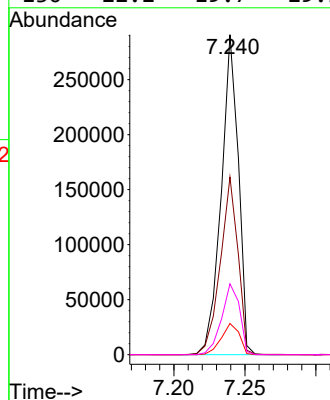
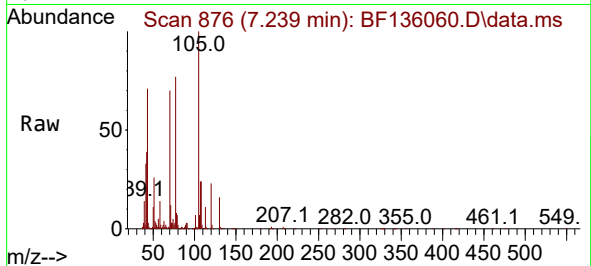


#19  
n-Nitroso-di-n-propylamine  
Concen: 41.296 ng  
RT: 7.239 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

Tgt Ion: 70 Resp: 243379

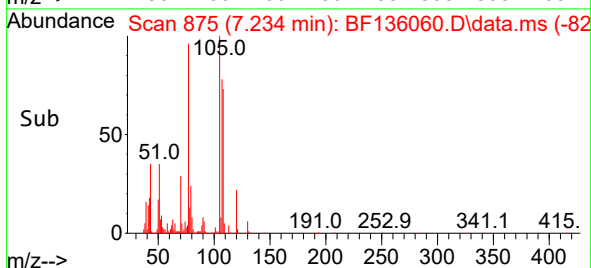
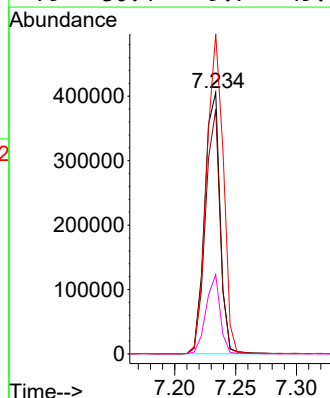
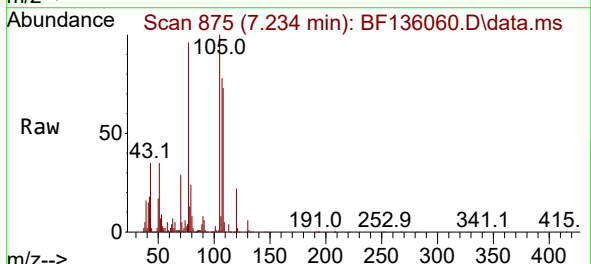
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 55.5  | 43.0  | 64.4  |
| 101 | 9.7   | 8.0   | 12.0  |
| 130 | 22.2  | 19.7  | 29.5  |

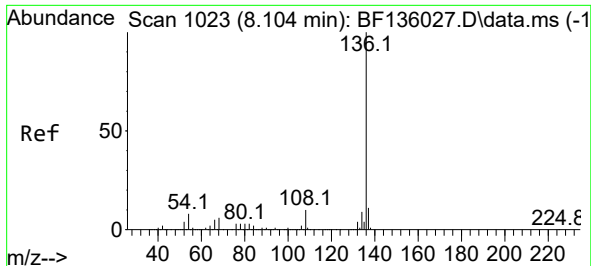


#20  
3+4-Methylphenols  
Concen: 38.870 ng  
RT: 7.234 min Scan# 875  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 107 Resp: 355882

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 93.6  | 72.3  | 112.3 |
| 77  | 122.5 | 91.4  | 131.4 |
| 79  | 30.4  | 9.7   | 49.7  |

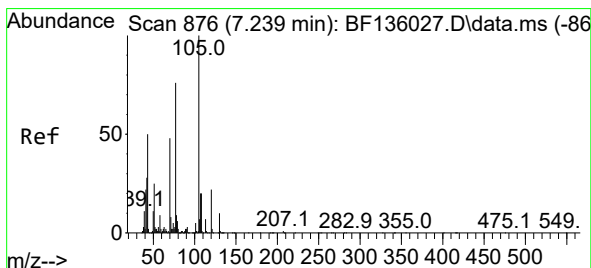
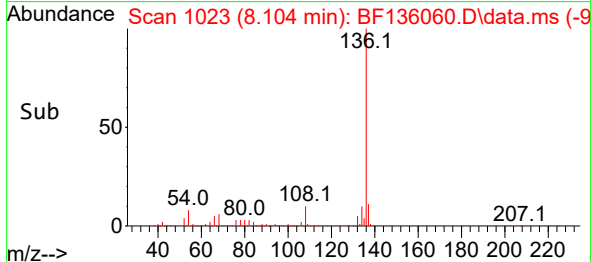
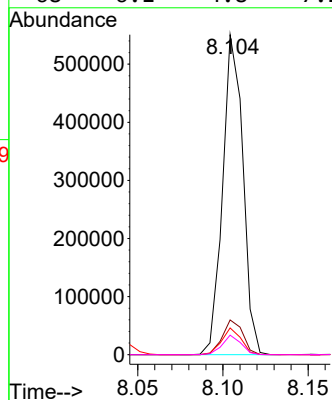
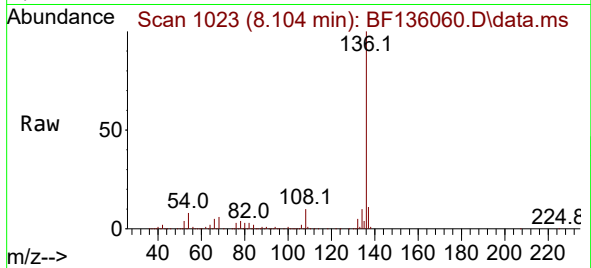




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

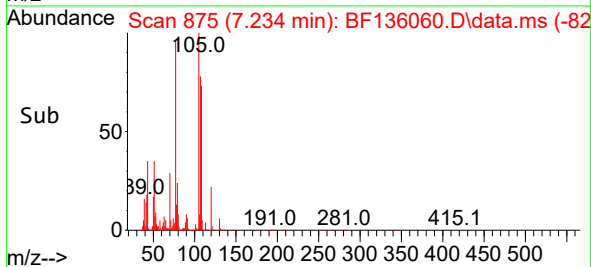
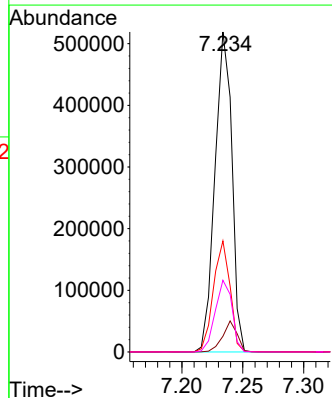
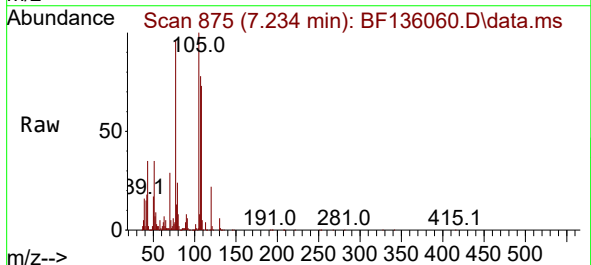
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

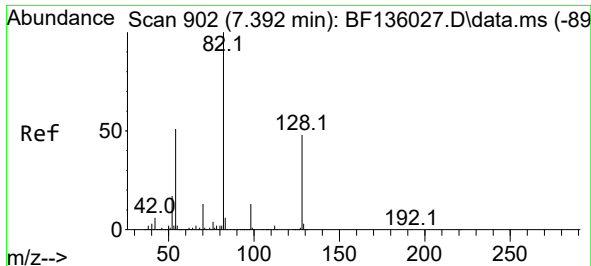
Tgt Ion:136 Resp: 456683  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 8.4 6.6 9.8  
68 6.1 4.8 7.2



#22  
Acetophenone  
Concen: 49.567 ng  
RT: 7.234 min Scan# 875  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:105 Resp: 501949  
Ion Ratio Lower Upper  
105 100  
71 4.9 6.5 9.7#  
51 34.7 20.3 30.5#  
120 22.4 17.8 26.8





#23

Nitrobenzene-d5

Concen: 78.138 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

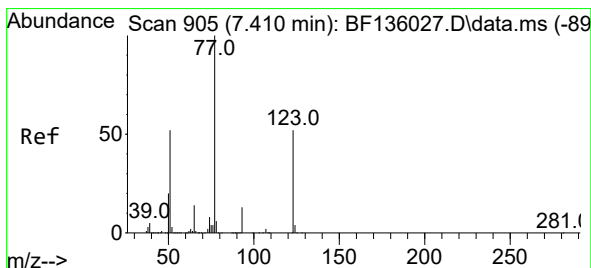
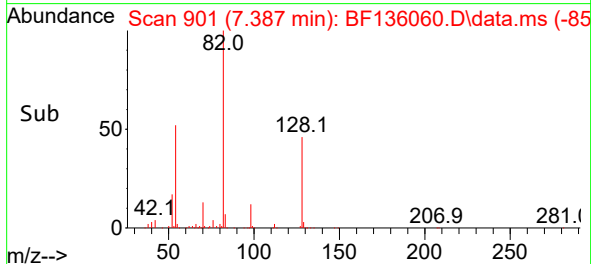
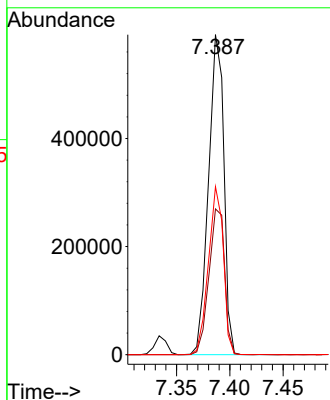
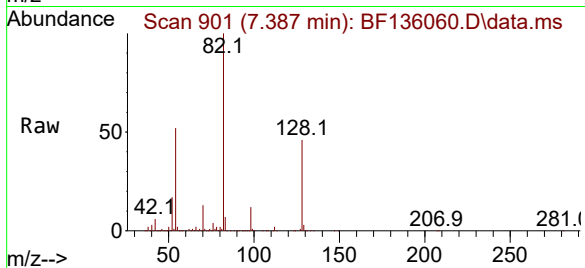
Tgt Ion: 82 Resp: 591952

Ion Ratio Lower Upper

82 100

128 45.6 38.6 57.8

54 52.5 40.8 61.2



#24

Nitrobenzene

Concen: 47.908 ng

RT: 7.410 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

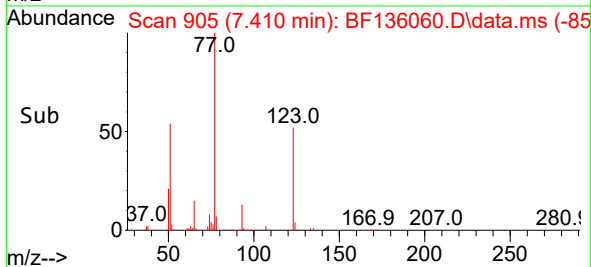
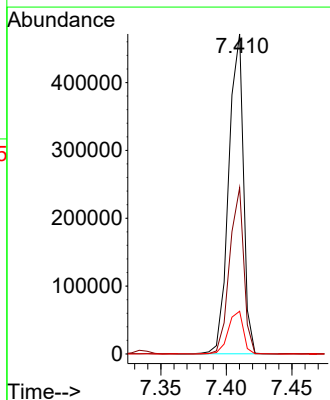
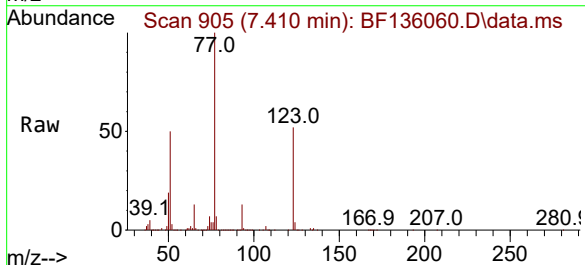
Tgt Ion: 77 Resp: 367122

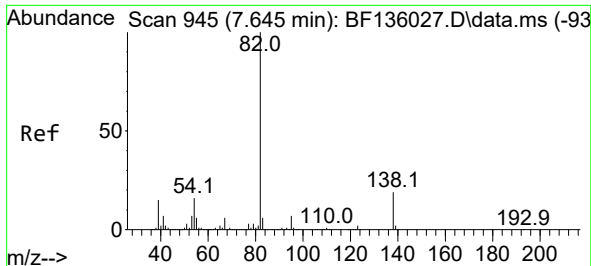
Ion Ratio Lower Upper

77 100

123 51.9 42.3 63.5

65 13.4 11.0 16.6

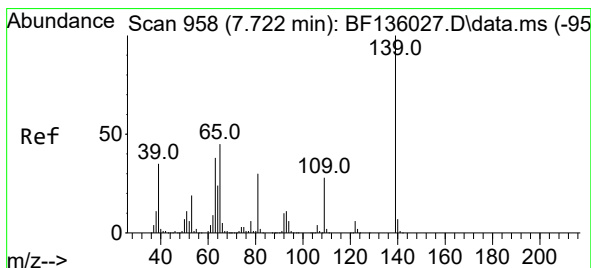
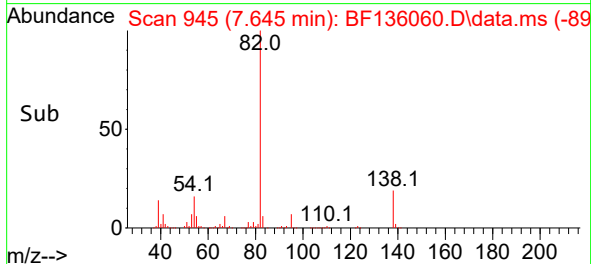
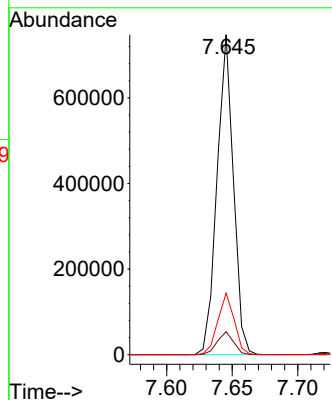
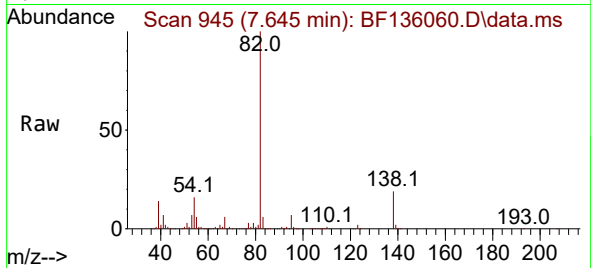




#25  
Isophorone  
Concen: 45.390 ng  
RT: 7.645 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

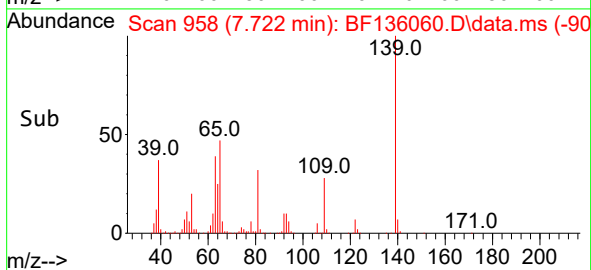
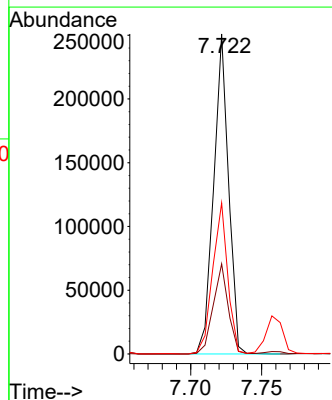
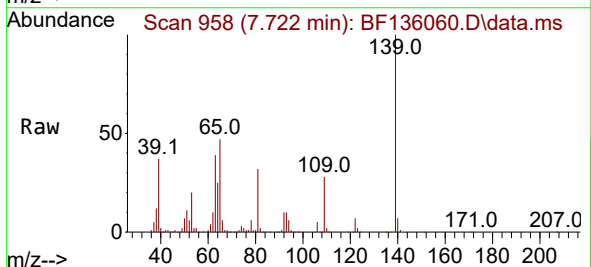
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

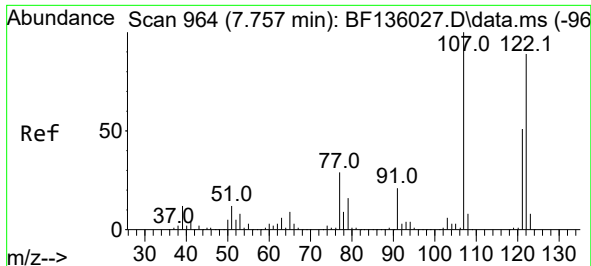
Tgt Ion: 82 Resp: 649168  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.9 8.9  
138 19.2 15.3 22.9



#26  
2-Nitrophenol  
Concen: 52.454 ng  
RT: 7.722 min Scan# 958  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:139 Resp: 183392  
Ion Ratio Lower Upper  
139 100  
109 28.1 22.6 34.0  
65 47.2 36.3 54.5





#27

2,4-Dimethylphenol

Concen: 39.668 ng

RT: 7.757 min Scan# 964

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

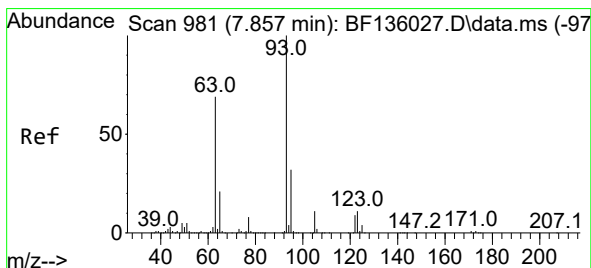
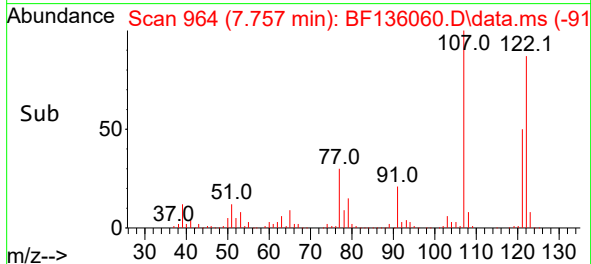
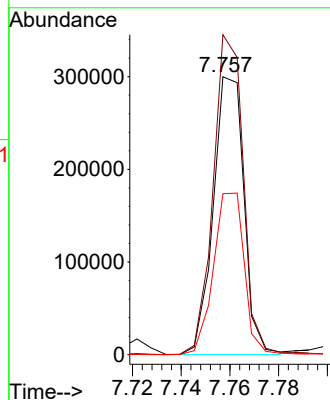
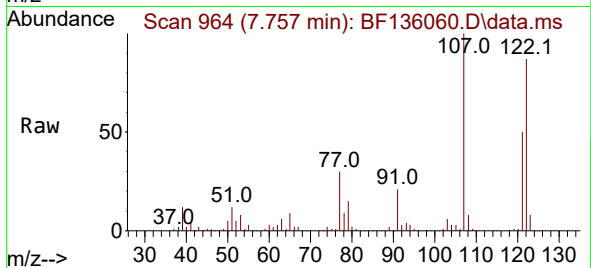
Tgt Ion:122 Resp: 262072

Ion Ratio Lower Upper

122 100

107 115.1 89.6 134.4

121 57.9 46.0 69.0



#28

bis(2-Chloroethoxy)methane

Concen: 47.456 ng

RT: 7.857 min Scan# 981

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

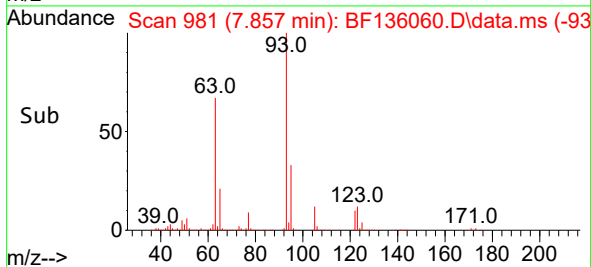
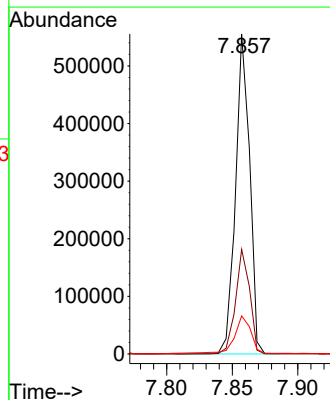
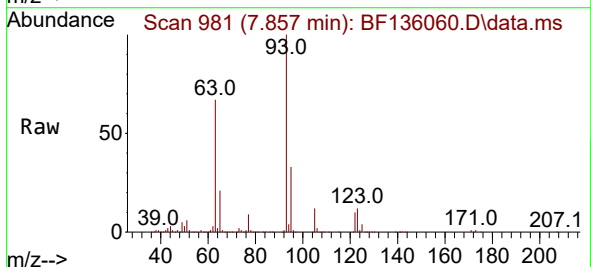
Tgt Ion: 93 Resp: 415862

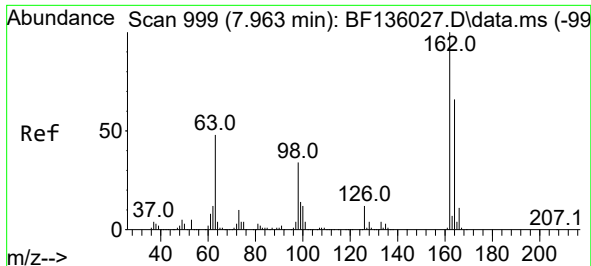
Ion Ratio Lower Upper

93 100

95 32.7 25.7 38.5

123 11.9 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 45.853 ng

RT: 7.963 min Scan# 999

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

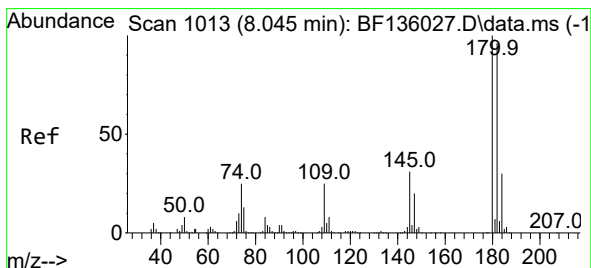
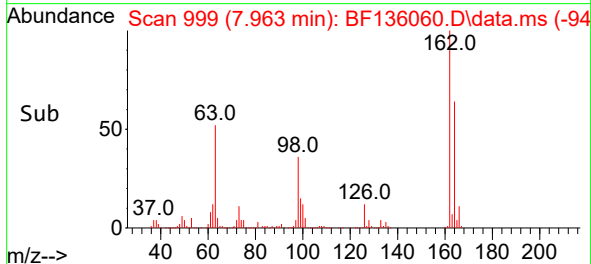
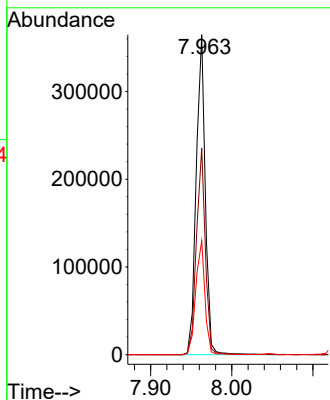
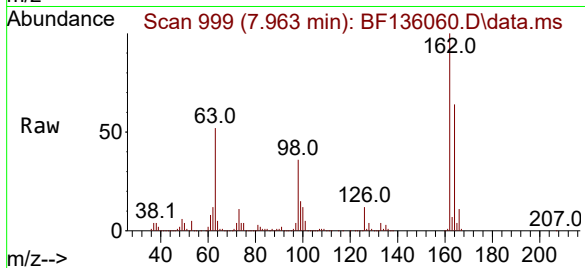
Tgt Ion:162 Resp: 285586

Ion Ratio Lower Upper

162 100

164 64.5 45.5 85.5

98 35.6 14.4 54.4



#30

1,2,4-Trichlorobenzene

Concen: 47.708 ng

RT: 8.045 min Scan# 1013

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

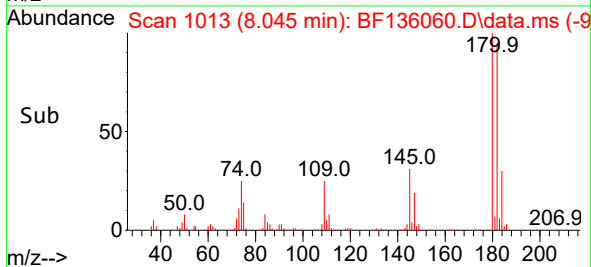
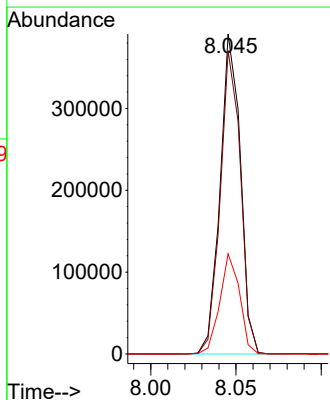
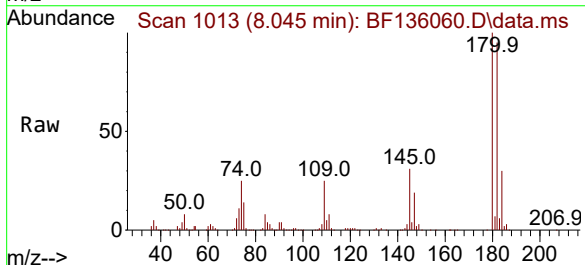
Tgt Ion:180 Resp: 324149

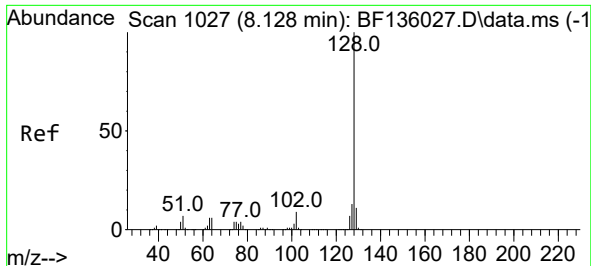
Ion Ratio Lower Upper

180 100

182 94.8 76.9 115.3

145 31.3 24.7 37.1

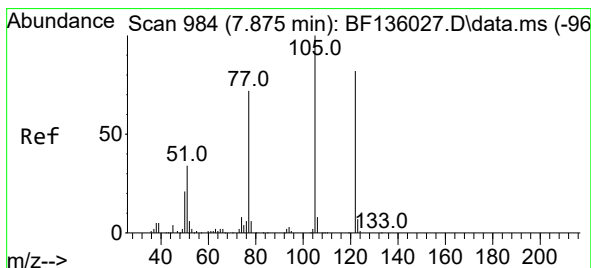
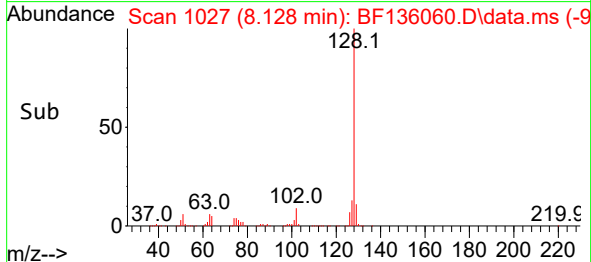
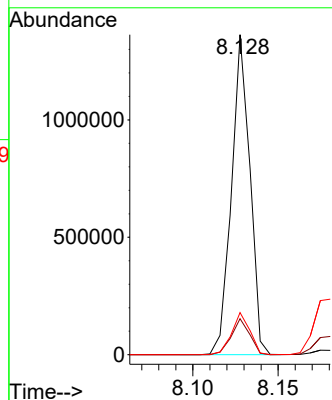
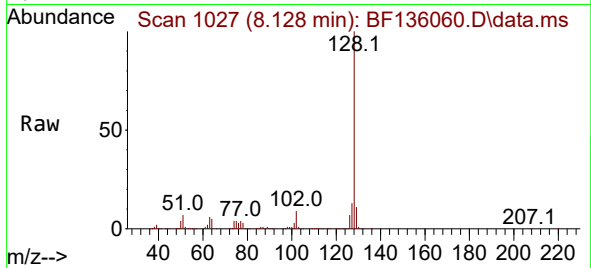




#31  
Naphthalene  
Concen: 46.402 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

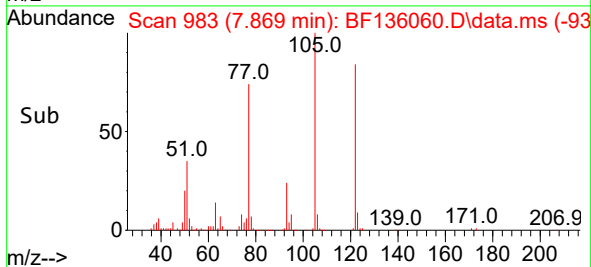
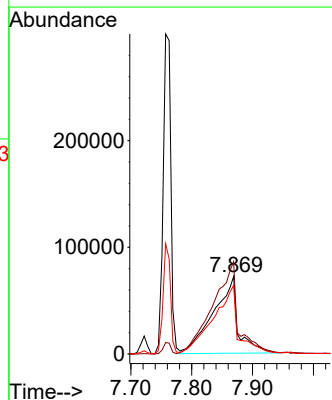
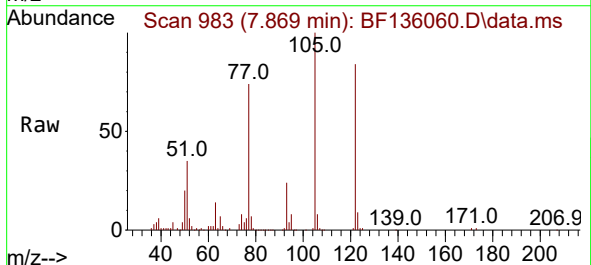
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

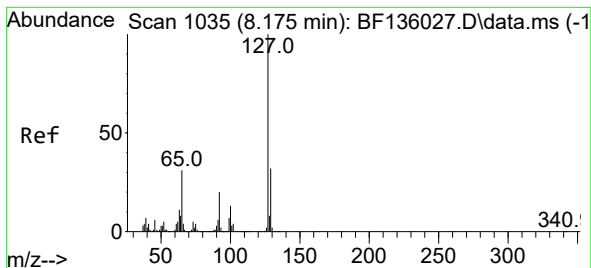
Tgt Ion:128 Resp: 1021879  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.9 13.3  
127 13.1 10.5 15.7



#32  
Benzoic acid  
Concen: 39.592 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:122 Resp: 204237  
Ion Ratio Lower Upper  
122 100  
105 119.0 99.5 139.5  
77 88.4 66.8 106.8





#33

4-Chloroaniline

Concen: 24.536 ng

RT: 8.181 min Scan# 1036

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

Tgt Ion:127 Resp: 236635

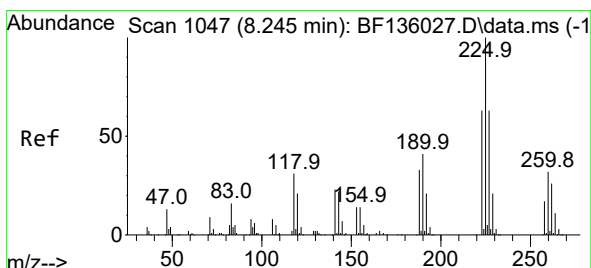
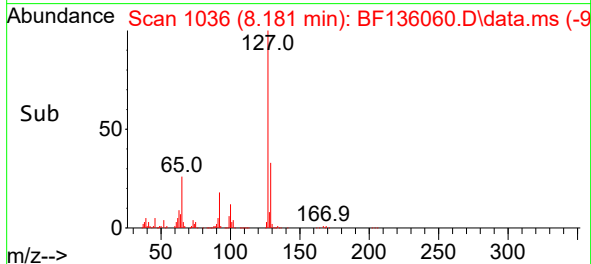
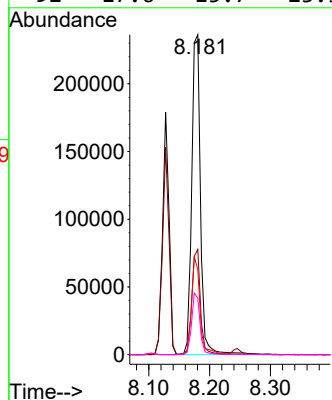
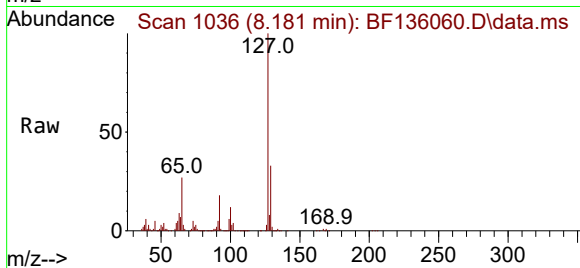
Ion Ratio Lower Upper

127 100

129 32.9 25.9 38.9

65 26.7 24.6 37.0

92 17.6 15.7 23.5



#34

Hexachlorobutadiene

Concen: 48.239 ng

RT: 8.245 min Scan# 1047

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

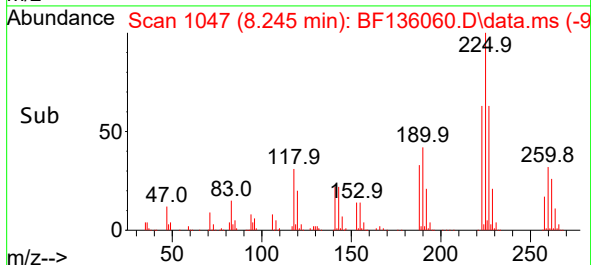
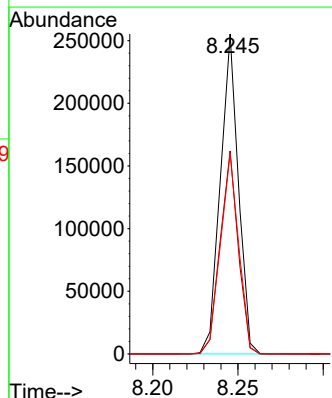
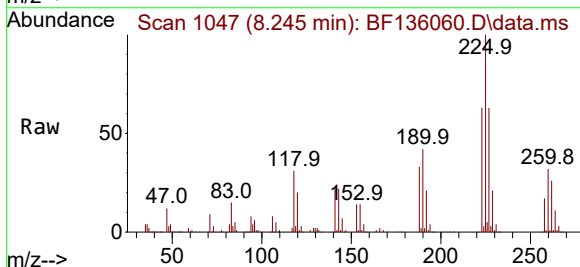
Tgt Ion:225 Resp: 187963

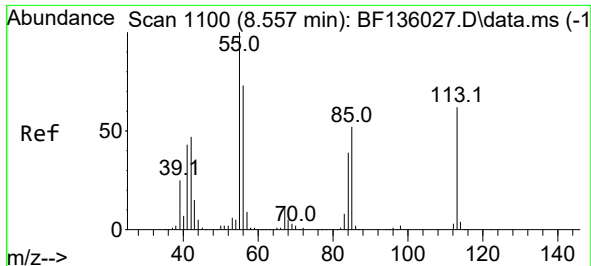
Ion Ratio Lower Upper

225 100

223 63.5 50.3 75.5

227 62.8 50.6 75.8

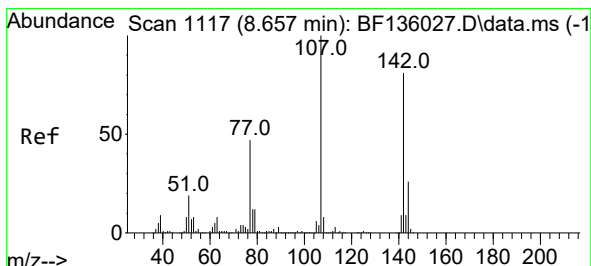
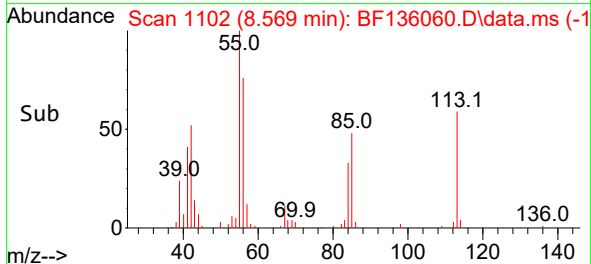
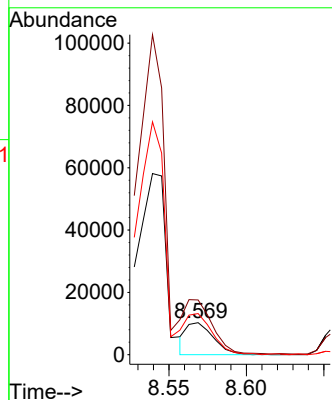
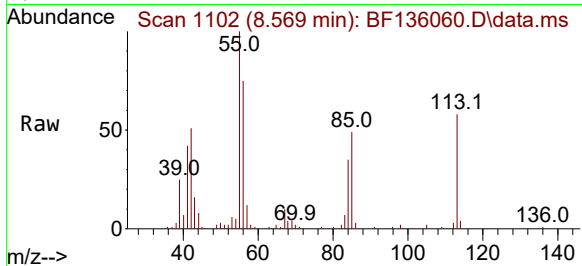




#35  
 Caprolactam  
 Concen: 6.109 ng  
 RT: 8.569 min Scan# 1100  
 Delta R.T. 0.012 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

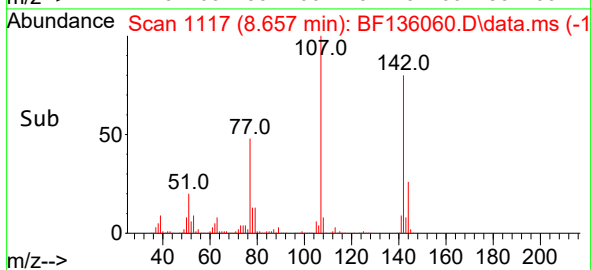
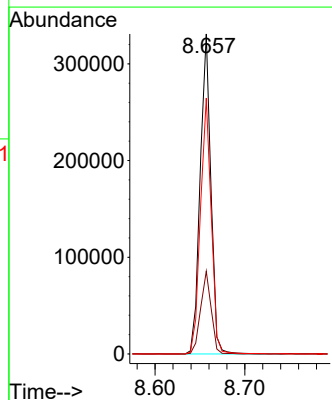
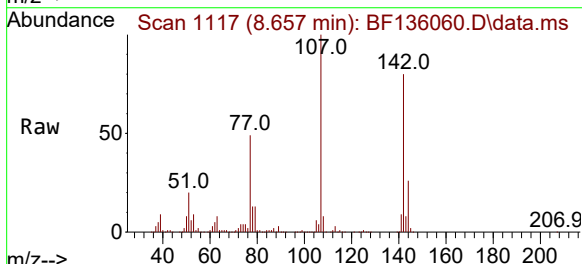
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

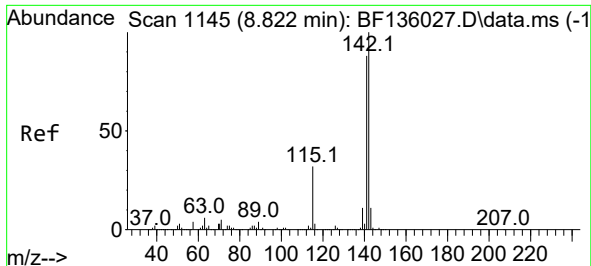
Tgt Ion:113 Resp: 12371  
 Ion Ratio Lower Upper  
 113 100  
 55 171.3 142.2 182.2  
 56 128.8 97.7 137.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.961 ng  
 RT: 8.657 min Scan# 1117  
 Delta R.T. 0.000 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

Tgt Ion:107 Resp: 274373  
 Ion Ratio Lower Upper  
 107 100  
 144 25.9 20.6 31.0  
 142 80.0 64.6 97.0

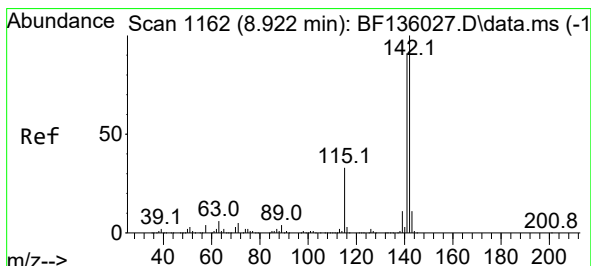
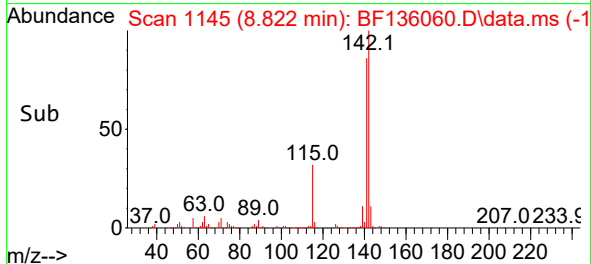
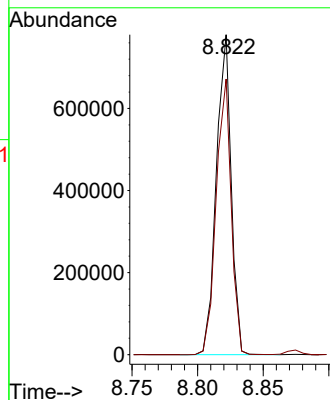
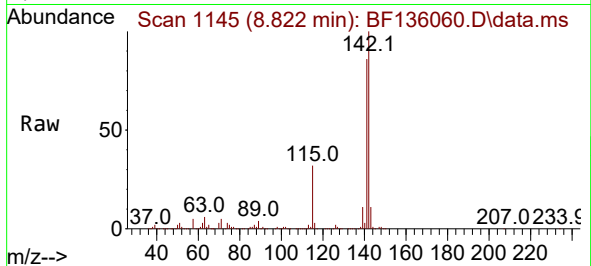




#37  
2-Methylnaphthalene  
Concen: 41.460 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

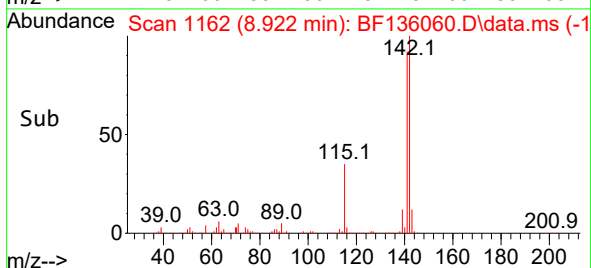
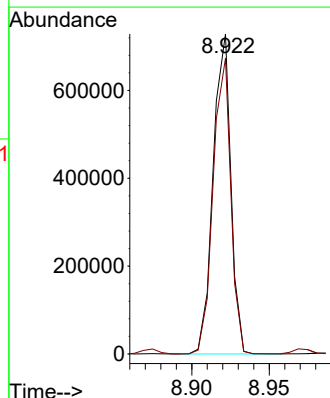
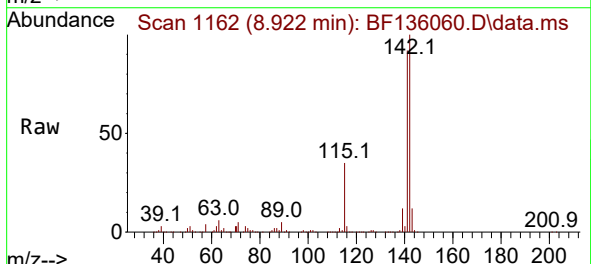
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

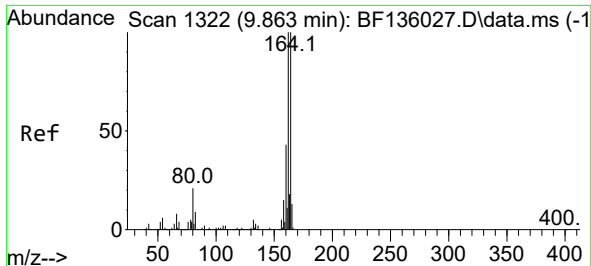
Tgt Ion:142 Resp: 612209  
Ion Ratio Lower Upper  
142 100  
141 86.1 70.4 105.6



#38  
1-Methylnaphthalene  
Concen: 42.097 ng  
RT: 8.922 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:142 Resp: 578479  
Ion Ratio Lower Upper  
142 100  
141 92.4 72.6 109.0

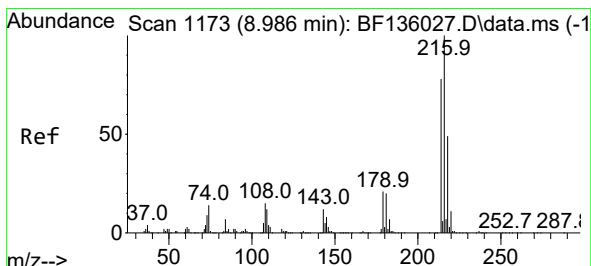
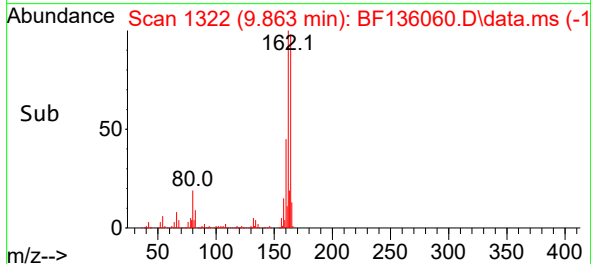
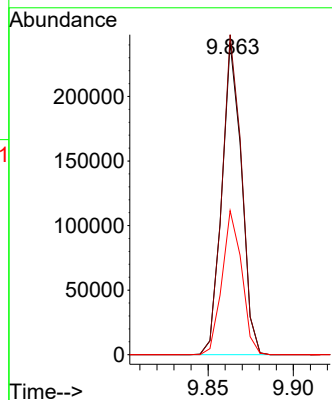
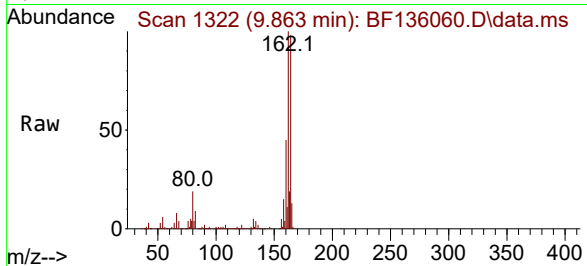




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

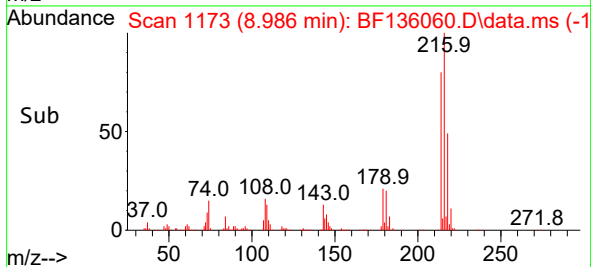
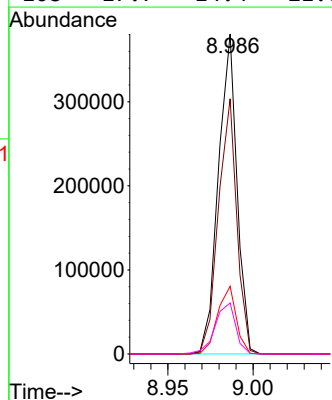
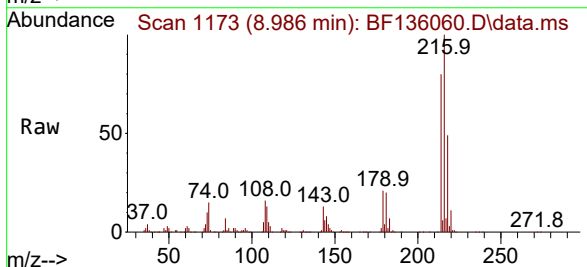
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

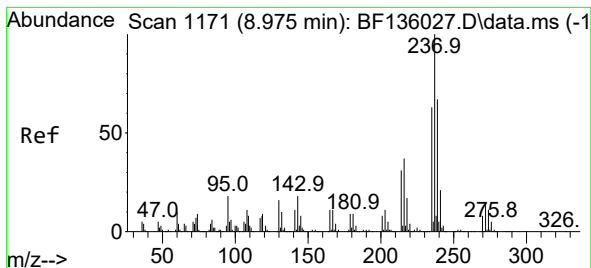
Tgt Ion:164 Resp: 193908  
Ion Ratio Lower Upper  
164 100  
162 102.5 80.1 120.1  
160 46.1 34.8 52.2



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 52.282 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:216 Resp: 289124  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.8 95.6  
179 21.3 17.5 26.3  
108 17.7 14.4 21.6





#41

Hexachlorocyclopentadiene

Concen: 25.809 ng

RT: 8.975 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

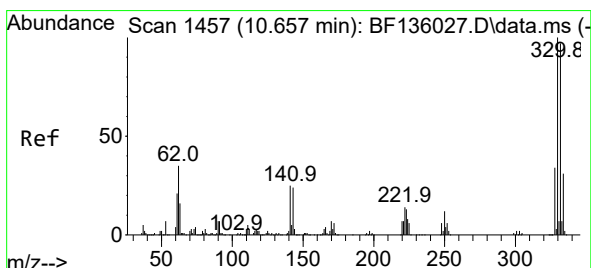
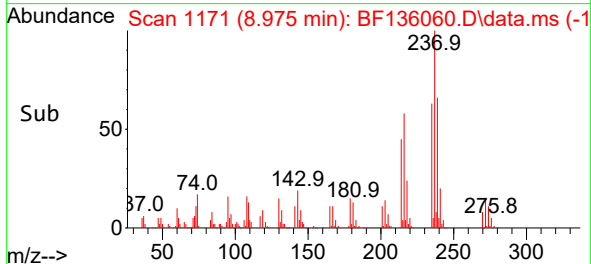
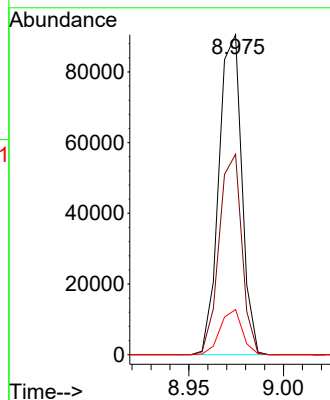
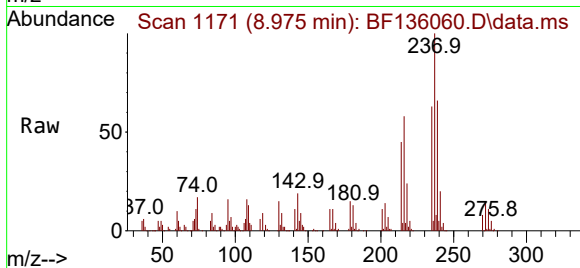
Tgt Ion:237 Resp: 76252

Ion Ratio Lower Upper

237 100

235 62.7 43.3 83.3

272 14.1 0.0 34.2



#42

2,4,6-Tribromophenol

Concen: 106.797 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

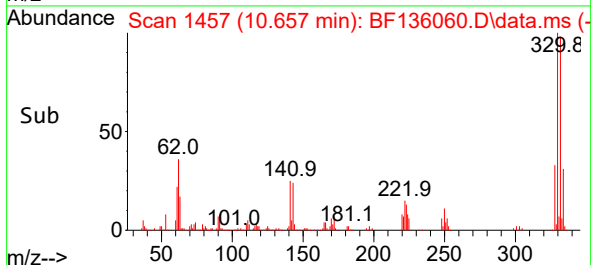
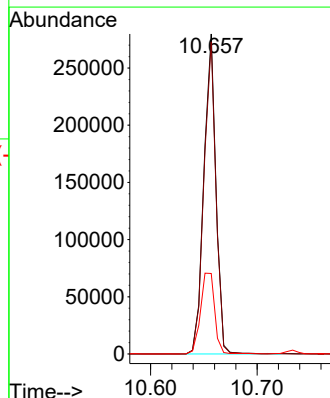
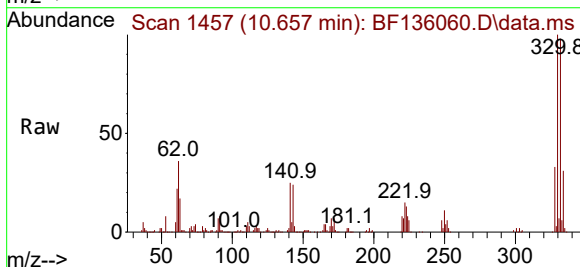
Tgt Ion:330 Resp: 221040

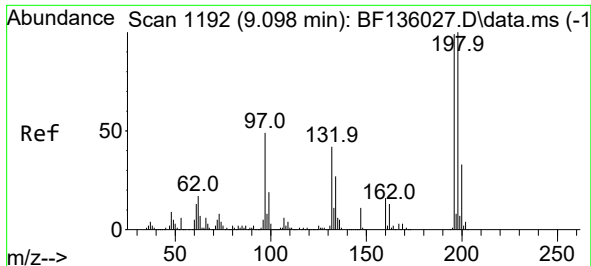
Ion Ratio Lower Upper

330 100

332 97.2 76.9 115.3

141 29.7 23.2 34.8

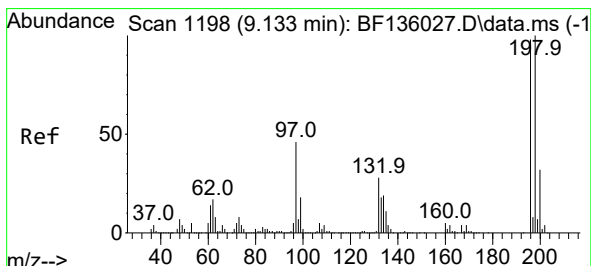
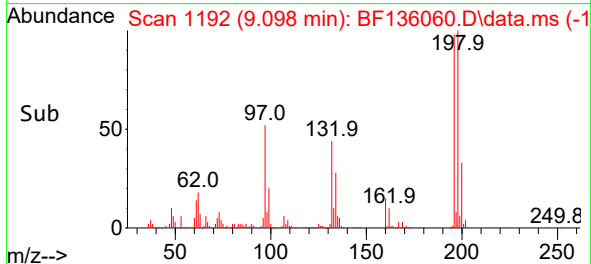
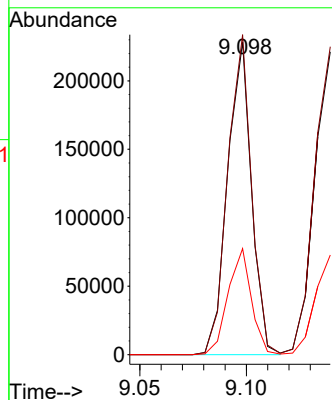
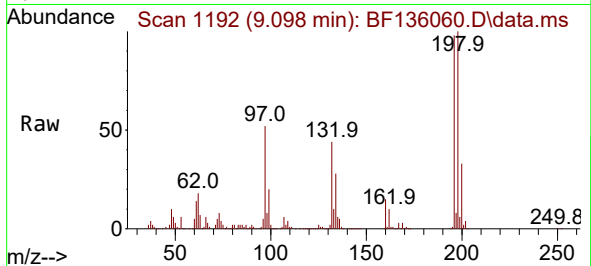




#43  
2,4,6-Trichlorophenol  
Concen: 49.412 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

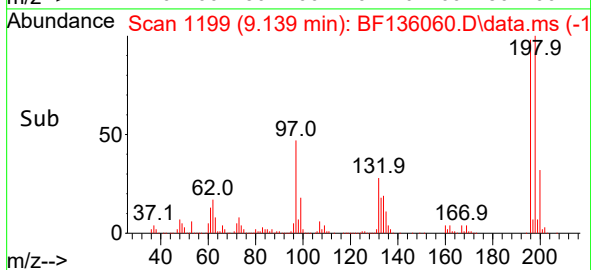
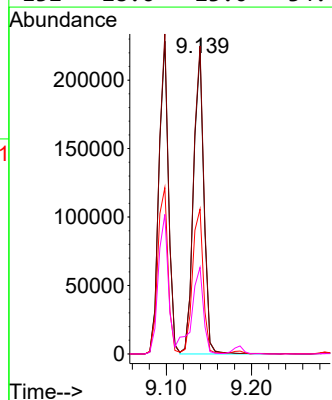
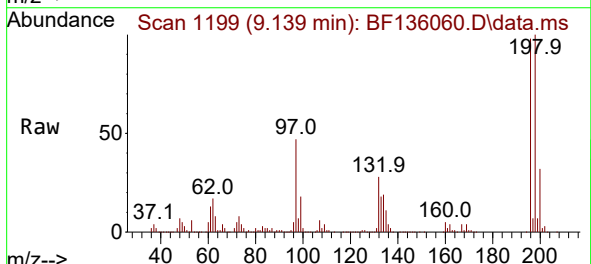
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

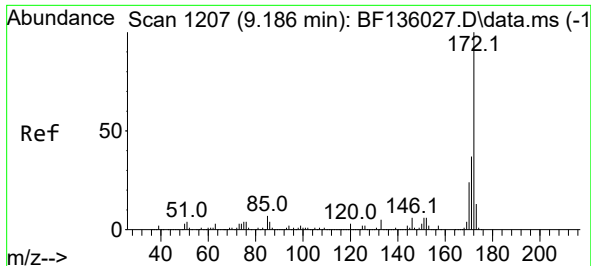
Tgt Ion:196 Resp: 178164  
Ion Ratio Lower Upper  
196 100  
198 102.3 80.7 121.1  
200 33.9 26.8 40.2



#44  
2,4,5-Trichlorophenol  
Concen: 44.823 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. 0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:196 Resp: 187215  
Ion Ratio Lower Upper  
196 100  
198 101.7 81.6 122.4  
97 47.8 38.2 57.2  
132 28.6 23.0 34.4

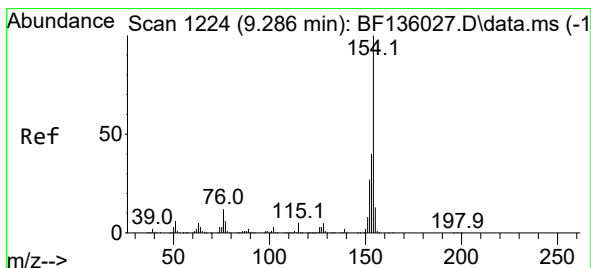
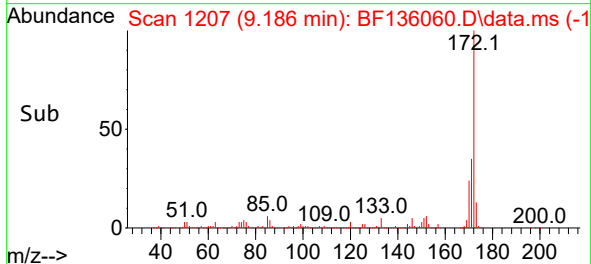
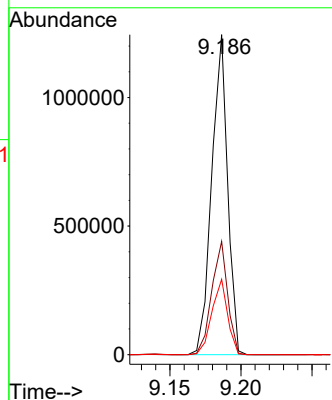
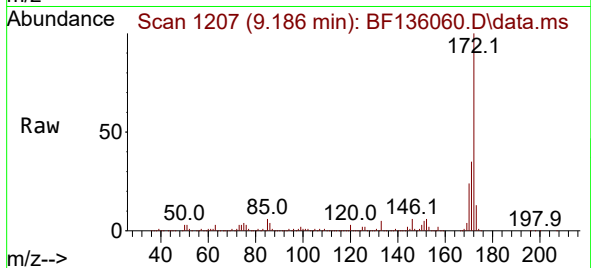




#45  
2-Fluorobiphenyl  
Concen: 79.359 ng  
RT: 9.186 min Scan# 1207  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

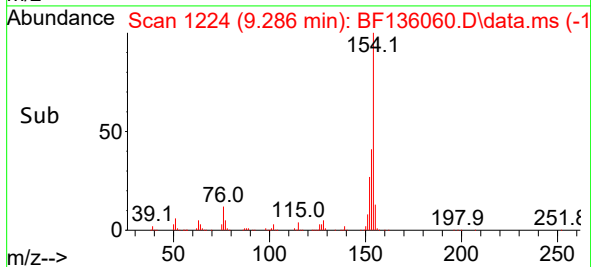
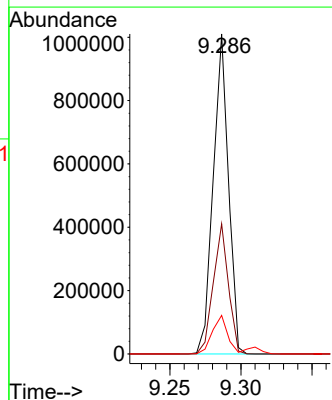
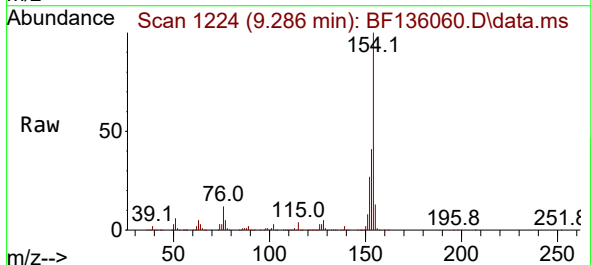
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

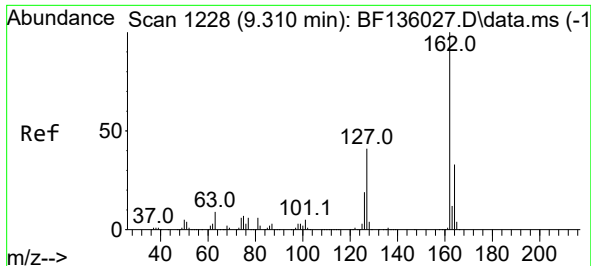
Tgt Ion:172 Resp: 965333  
Ion Ratio Lower Upper  
172 100  
171 35.4 29.4 44.0  
170 23.5 19.3 28.9



#46  
1,1'-Biphenyl  
Concen: 51.058 ng  
RT: 9.286 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:154 Resp: 754733  
Ion Ratio Lower Upper  
154 100  
153 40.6 20.1 60.1  
76 12.1 0.0 32.5

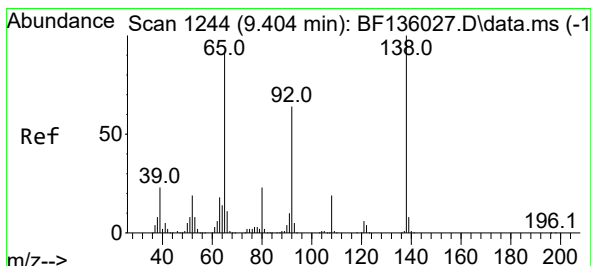
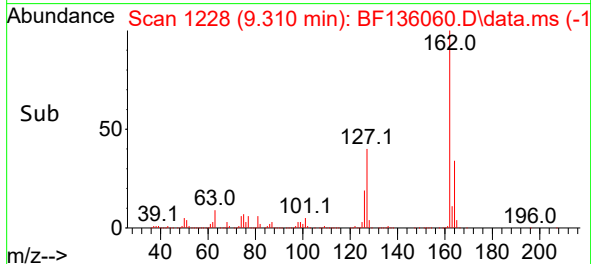
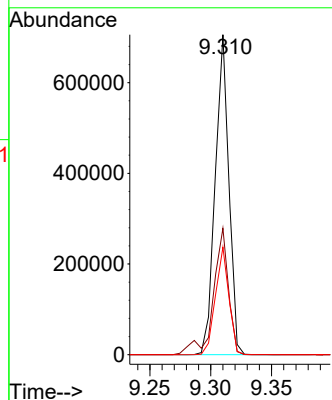
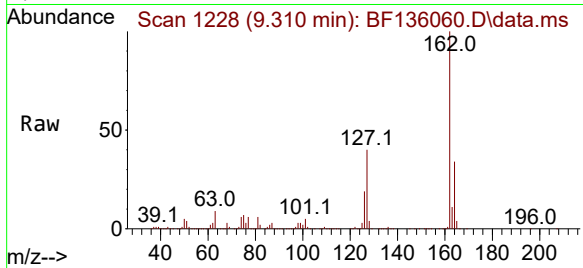




#47  
2-Chloronaphthalene  
Concen: 50.472 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

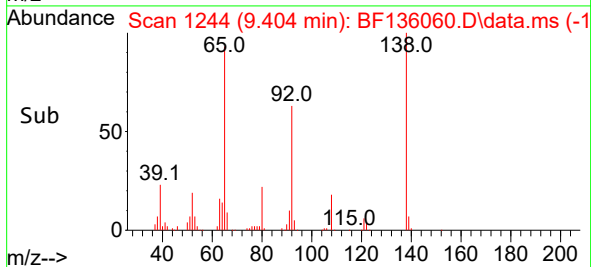
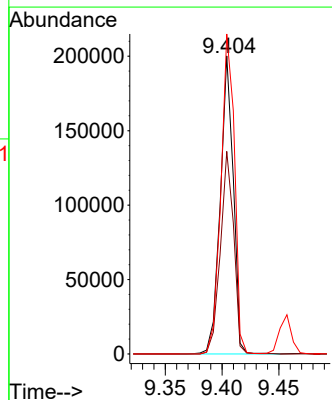
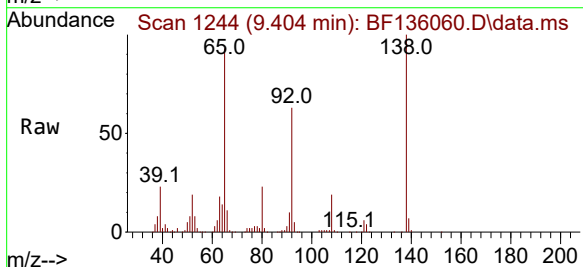
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

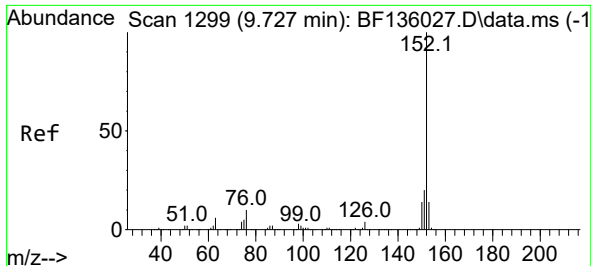
Tgt Ion:162 Resp: 550002  
Ion Ratio Lower Upper  
162 100  
127 39.5 32.4 48.6  
164 33.6 26.7 40.1



#48  
2-Nitroaniline  
Concen: 49.518 ng  
RT: 9.404 min Scan# 1244  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion: 65 Resp: 159695  
Ion Ratio Lower Upper  
65 100  
92 67.9 55.7 83.5  
138 107.4 86.8 130.2

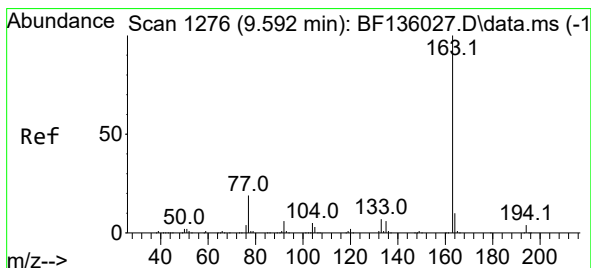
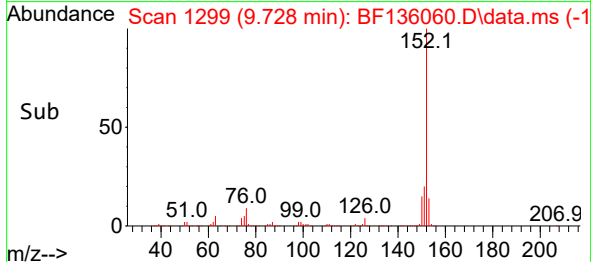
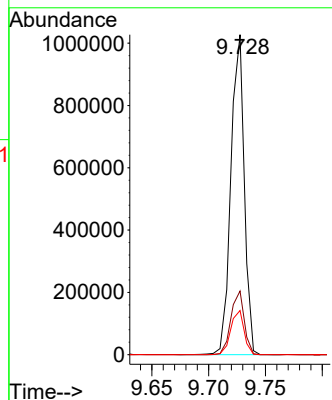
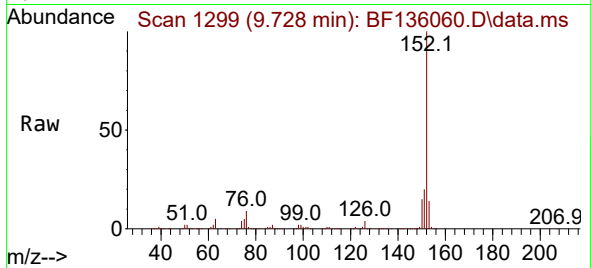




#49  
Acenaphthylene  
Concen: 49.433 ng  
RT: 9.728 min Scan# 1299  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

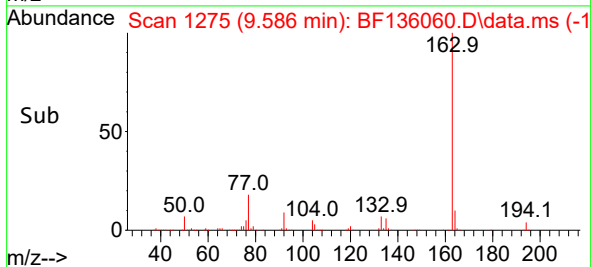
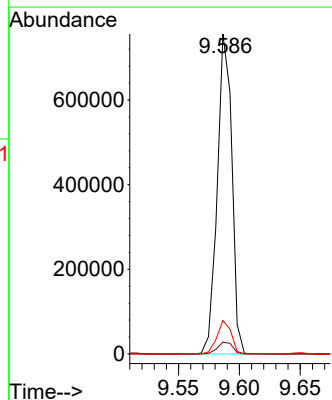
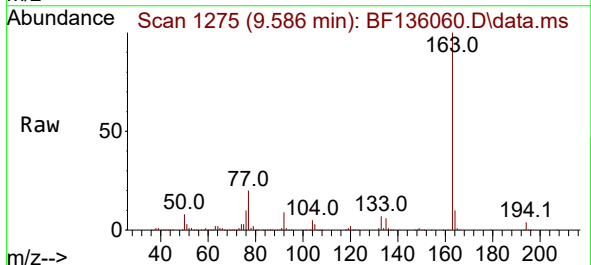
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

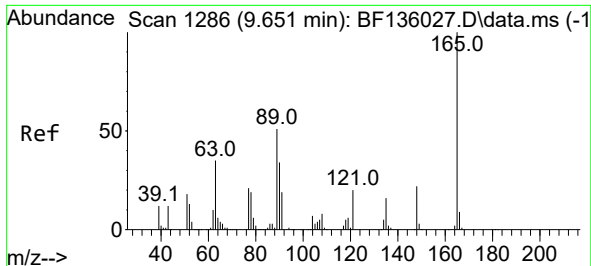
Tgt Ion:152 Resp: 840360  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.1 24.1  
153 13.8 11.4 17.2



#50  
Dimethylphthalate  
Concen: 49.313 ng  
RT: 9.586 min Scan# 1275  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:163 Resp: 630738  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.2 4.8  
164 10.4 8.1 12.1

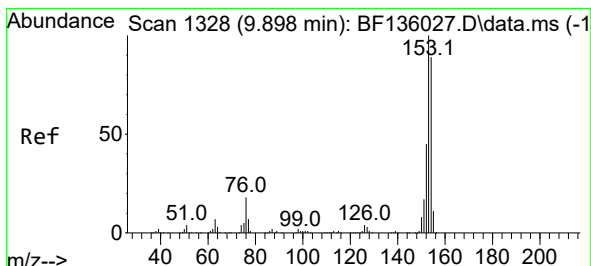
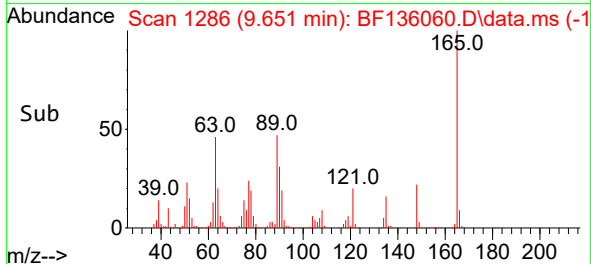
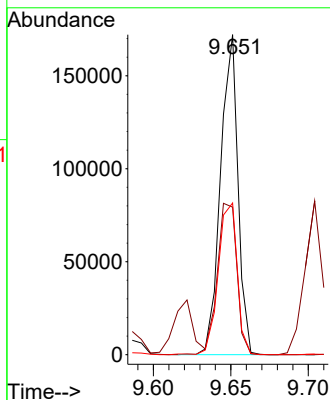
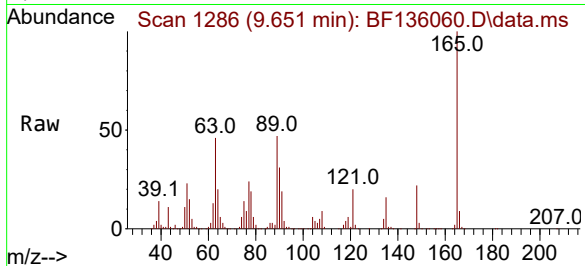




#51  
2,6-Dinitrotoluene  
Concen: 49.174 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

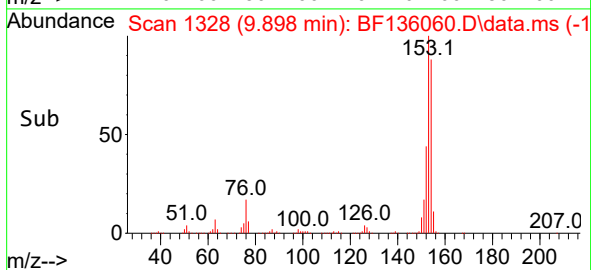
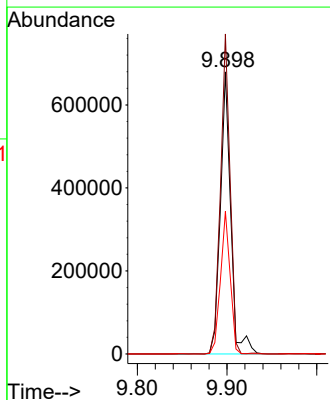
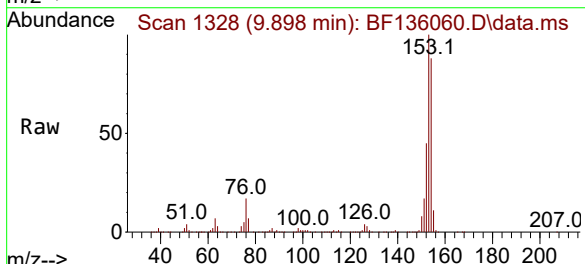
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

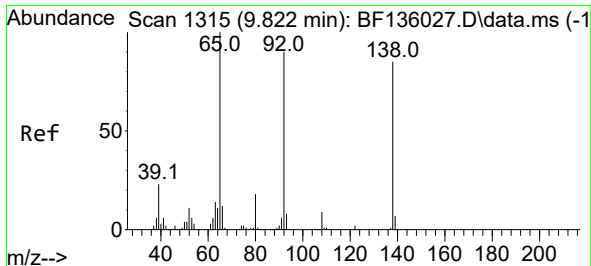
Tgt Ion:165 Resp: 134520  
Ion Ratio Lower Upper  
165 100  
63 46.1 40.8 61.2  
89 47.4 41.1 61.7



#52  
Acenaphthene  
Concen: 50.082 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:154 Resp: 541232  
Ion Ratio Lower Upper  
154 100  
153 113.4 89.9 134.9  
152 50.5 40.2 60.2

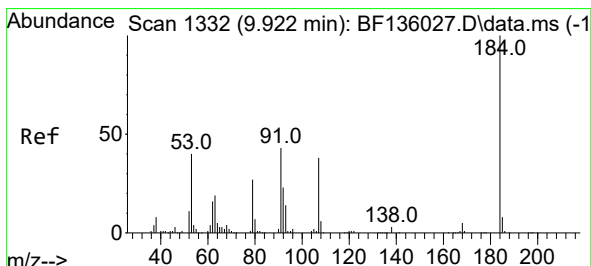
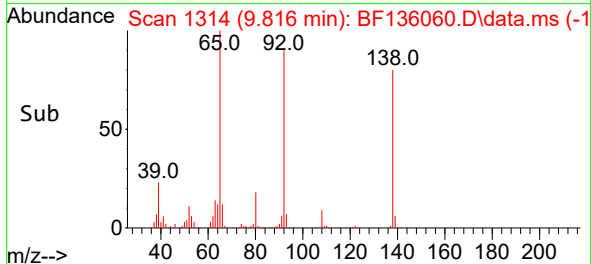
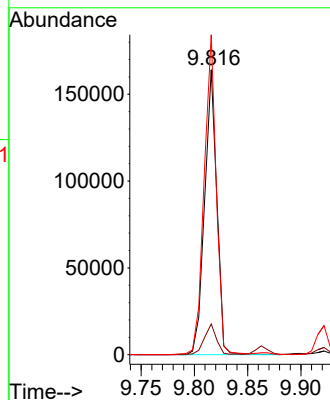
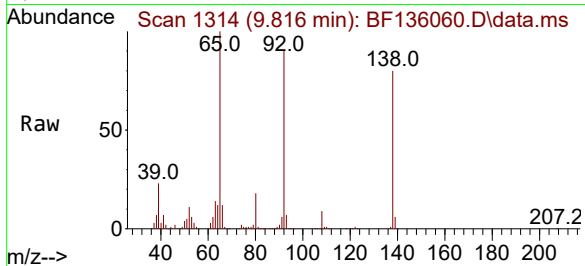




#53  
3-Nitroaniline  
Concen: 41.162 ng  
RT: 9.816 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

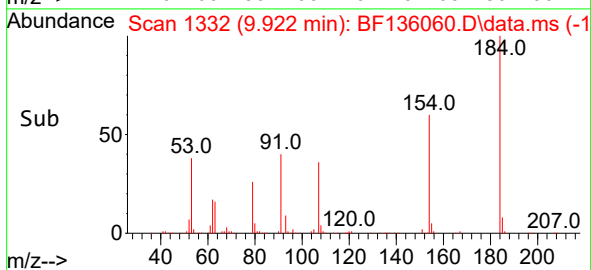
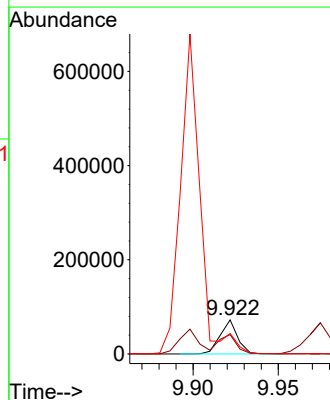
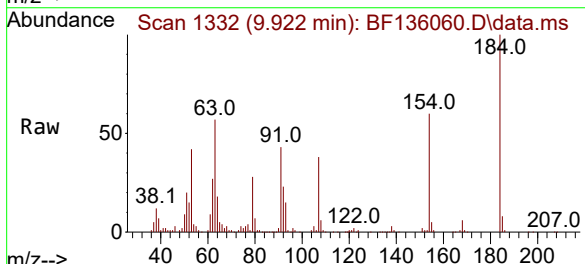
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

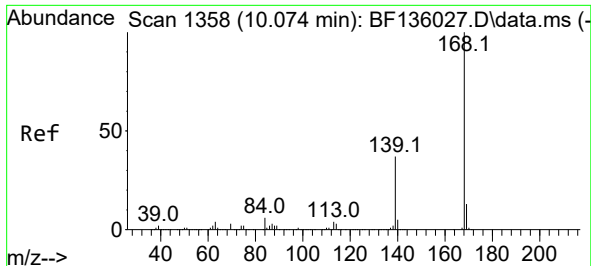
Tgt Ion:138 Resp: 131387  
Ion Ratio Lower Upper  
138 100  
108 10.8 8.8 13.2  
92 112.3 84.6 126.8



#54  
2,4-Dinitrophenol  
Concen: 39.323 ng  
RT: 9.922 min Scan# 1332  
Delta R.T. -0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:184 Resp: 51622  
Ion Ratio Lower Upper  
184 100  
63 56.9 43.7 65.5  
154 60.1 51.2 76.8

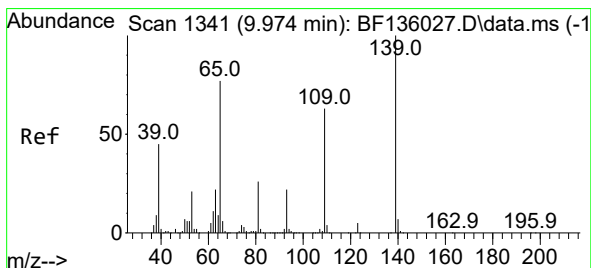
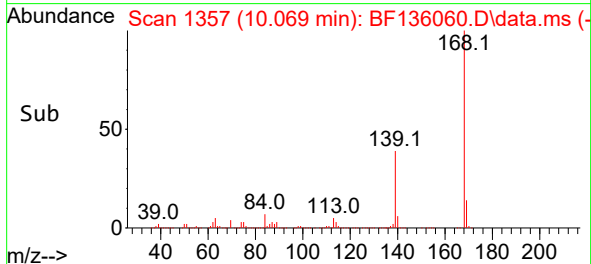
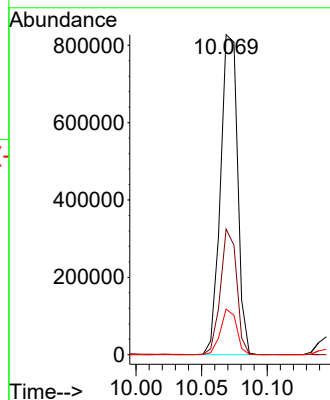
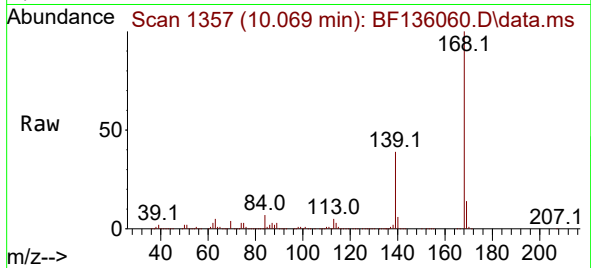




#55  
Dibenzofuran  
Concen: 47.519 ng  
RT: 10.069 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

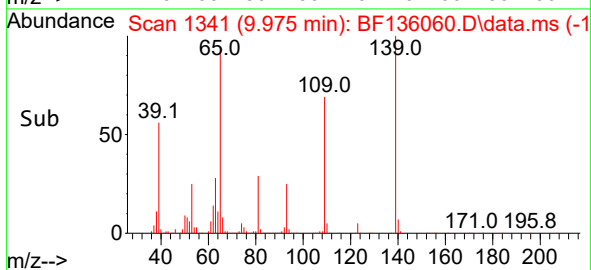
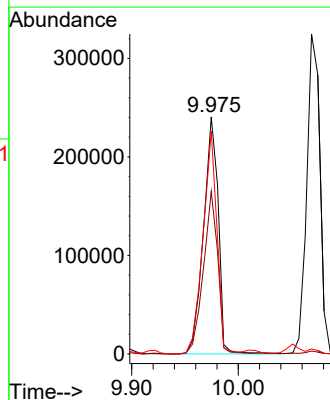
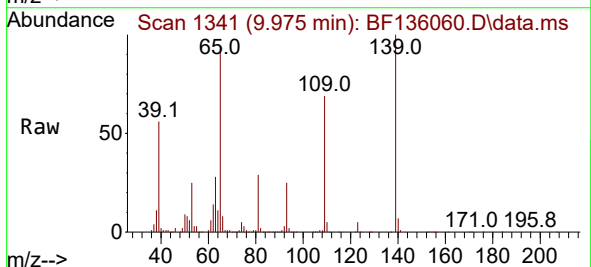
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

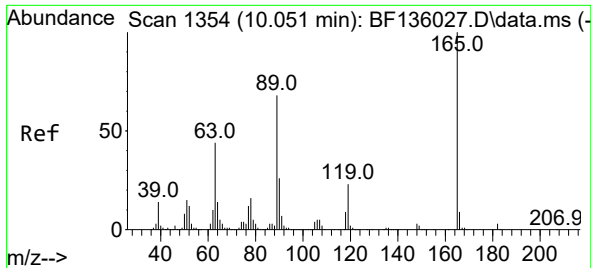
Tgt Ion:168 Resp: 748819  
Ion Ratio Lower Upper  
168 100  
139 39.3 29.4 44.0  
169 14.3 10.5 15.7



#56  
4-Nitrophenol  
Concen: 97.251 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:139 Resp: 232200  
Ion Ratio Lower Upper  
139 100  
109 68.6 43.2 83.2  
65 94.0 57.6 97.6

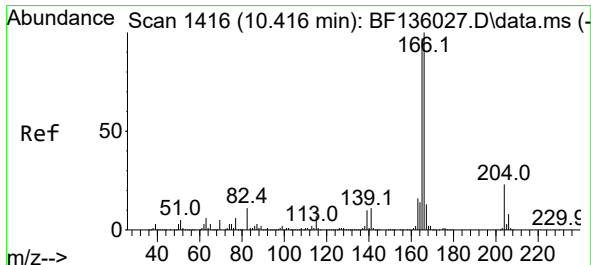
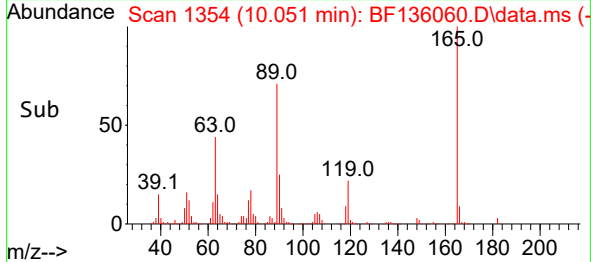
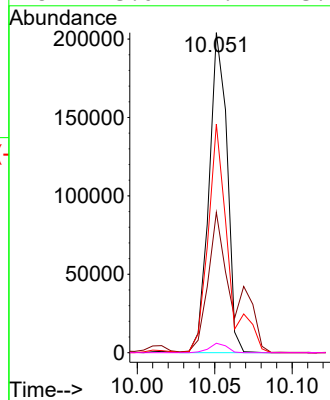
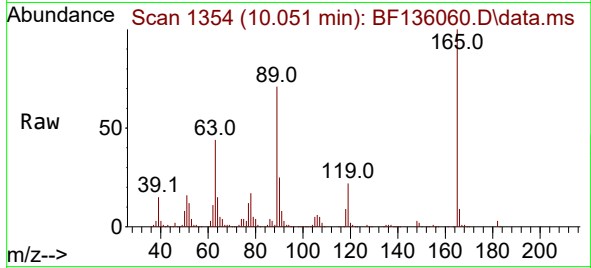




#57  
2,4-Dinitrotoluene  
Concen: 47.766 ng  
RT: 10.051 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

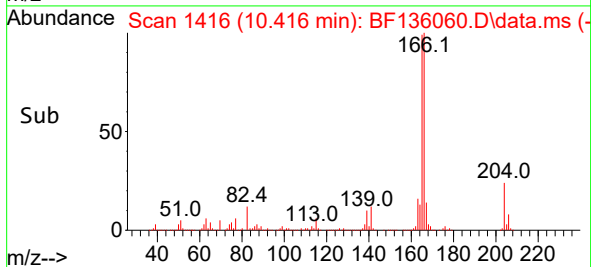
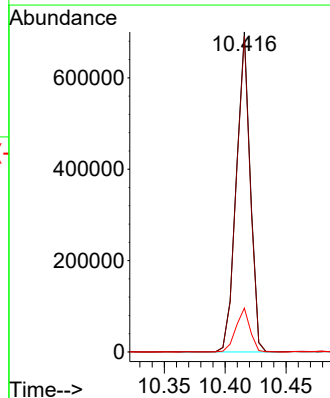
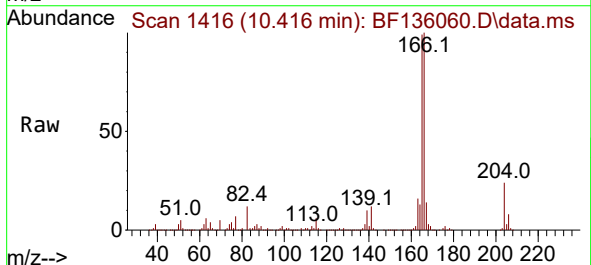
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

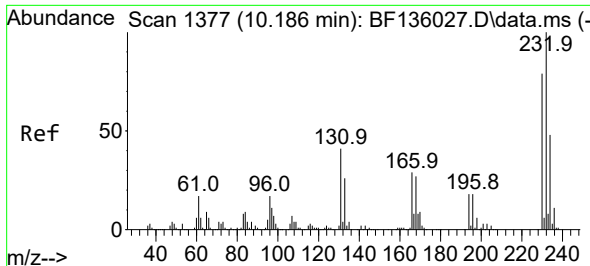
Tgt Ion:165 Resp: 165327  
Ion Ratio Lower Upper  
165 100  
63 43.9 35.2 52.8  
89 71.4 54.8 82.2  
182 3.0 2.2 3.2



#58  
Fluorene  
Concen: 47.156 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:166 Resp: 556371  
Ion Ratio Lower Upper  
166 100  
165 98.7 77.7 116.5  
167 13.7 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.968 ng

RT: 10.186 min Scan# 1377

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

Tgt Ion:232 Resp: 146002

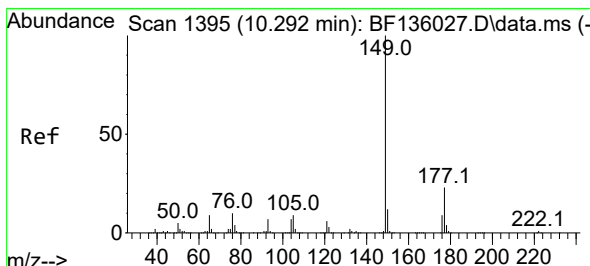
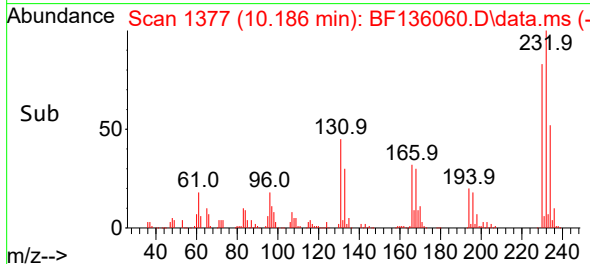
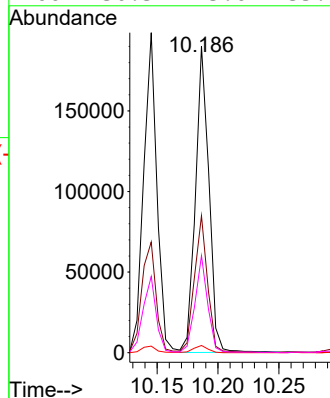
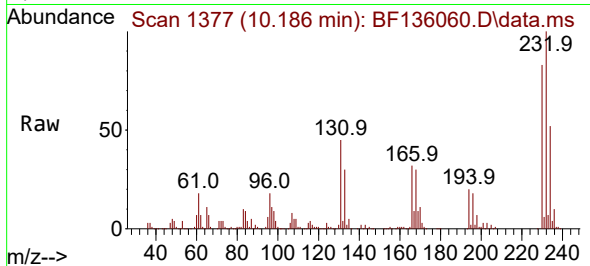
Ion Ratio Lower Upper

232 100

131 44.0 34.6 52.0

130 2.5 1.6 2.4#

166 30.3 23.6 35.4



#60

Diethylphthalate

Concen: 46.636 ng

RT: 10.292 min Scan# 1395

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

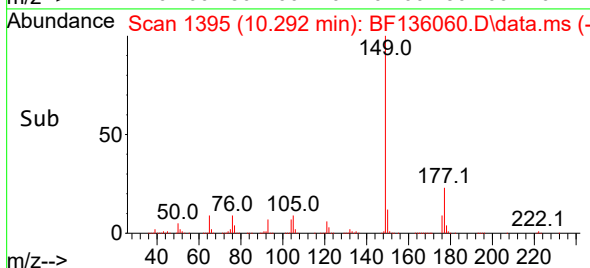
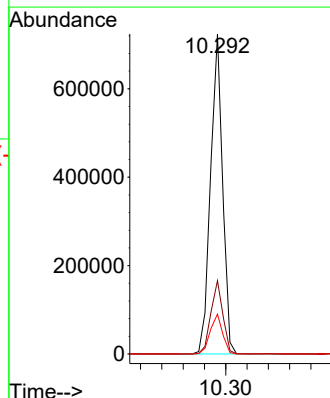
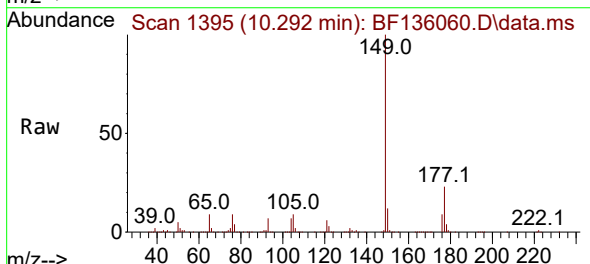
Tgt Ion:149 Resp: 569929

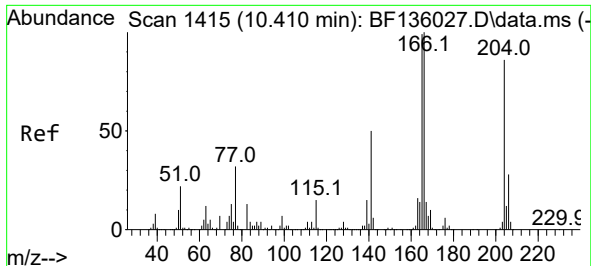
Ion Ratio Lower Upper

149 100

177 22.9 18.2 27.4

150 12.5 9.9 14.9

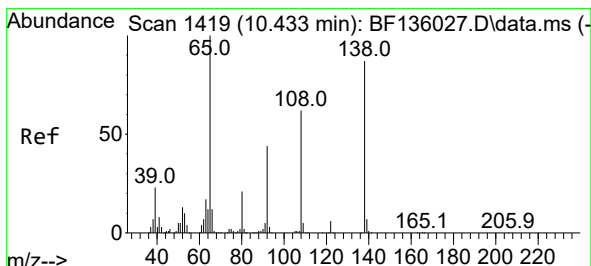
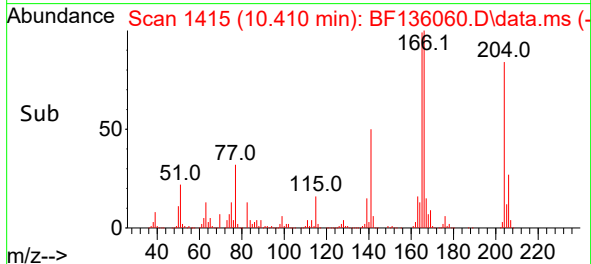
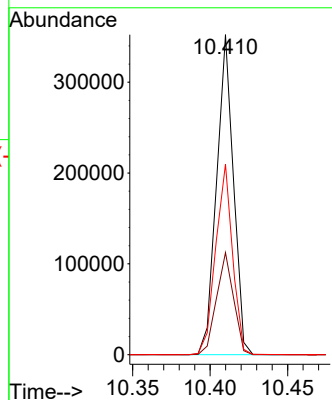
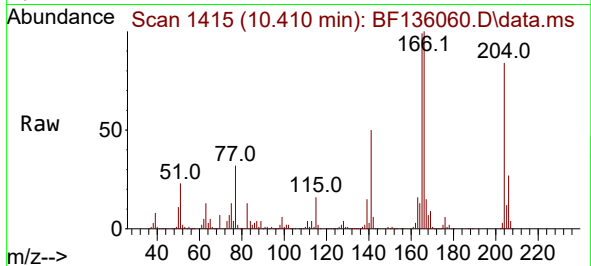




#61  
4-Chlorophenyl-phenylether  
Concen: 45.238 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

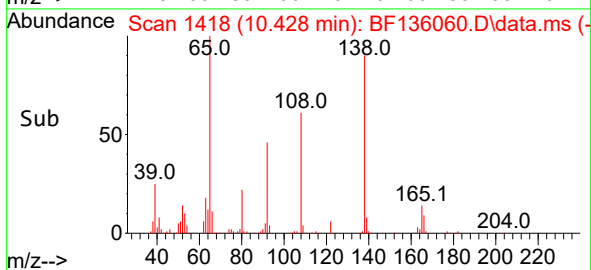
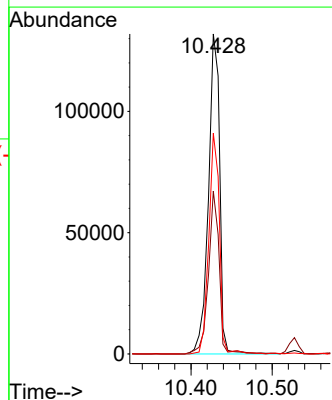
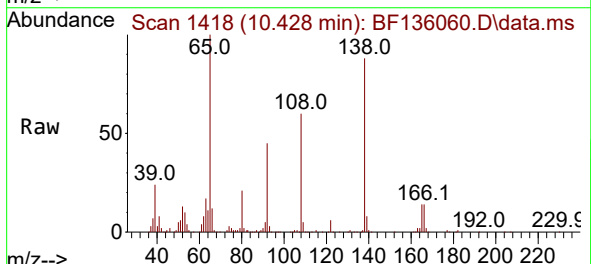
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

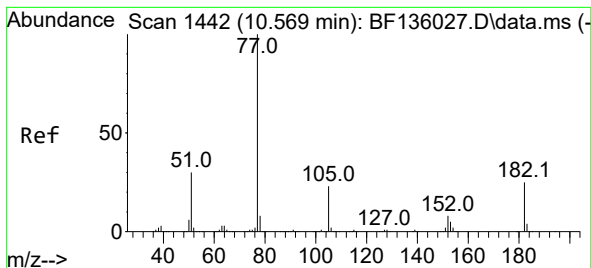
Tgt Ion:204 Resp: 266428  
Ion Ratio Lower Upper  
204 100  
206 31.9 26.6 39.8  
141 59.6 46.8 70.2



#62  
4-Nitroaniline  
Concen: 41.171 ng  
RT: 10.428 min Scan# 1418  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:138 Resp: 126545  
Ion Ratio Lower Upper  
138 100  
92 50.9 30.6 70.6  
108 69.0 51.5 91.5





#63

Azobenzene

Concen: 44.265 ng

RT: 10.569 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

Tgt Ion: 77 Resp: 520981

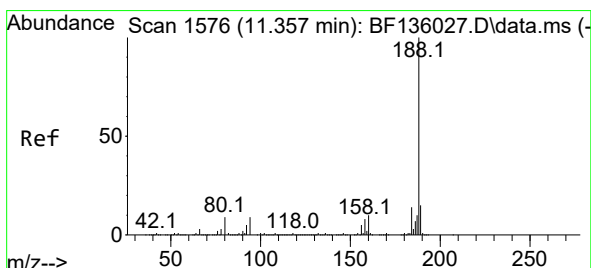
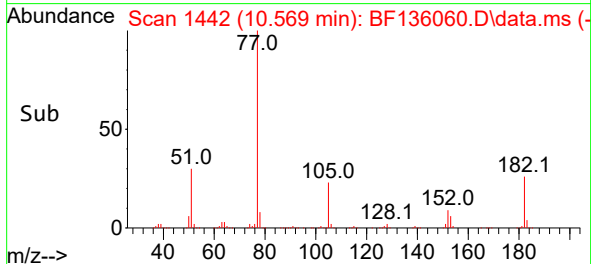
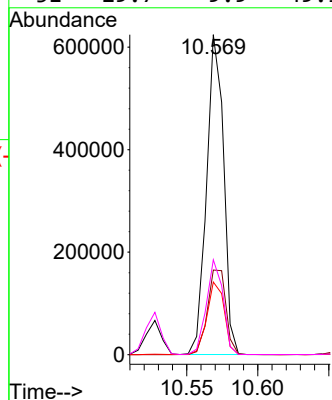
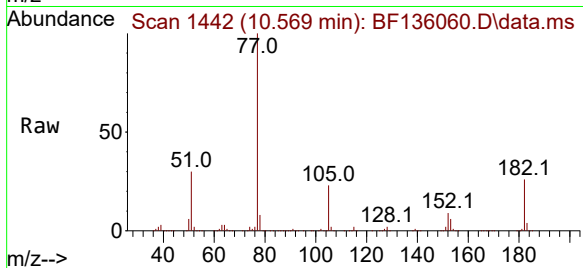
Ion Ratio Lower Upper

77 100

182 26.4 5.0 45.0

105 22.7 2.6 42.6

51 29.7 9.9 49.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

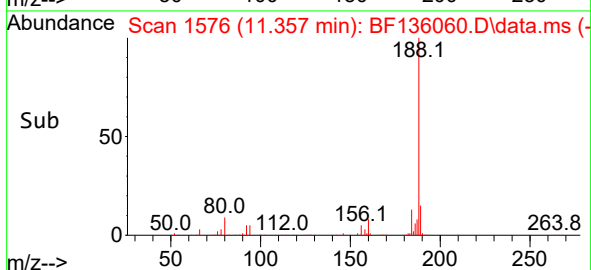
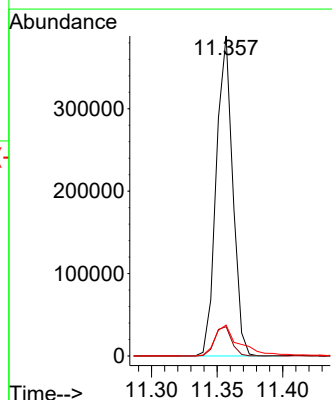
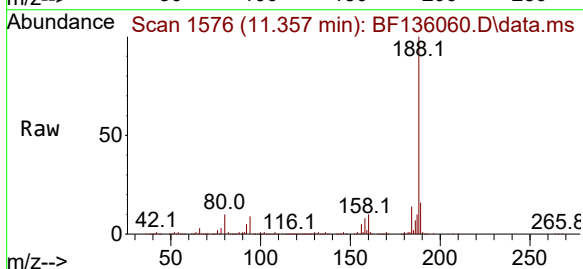
Tgt Ion:188 Resp: 338480

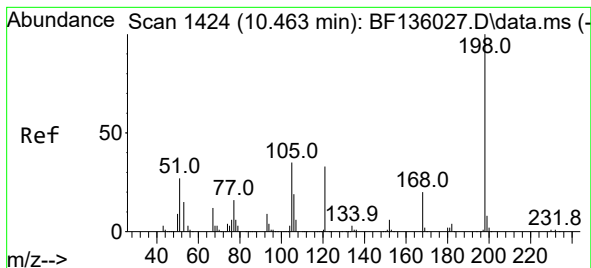
Ion Ratio Lower Upper

188 100

94 9.2 7.2 10.8

80 9.7 7.4 11.0

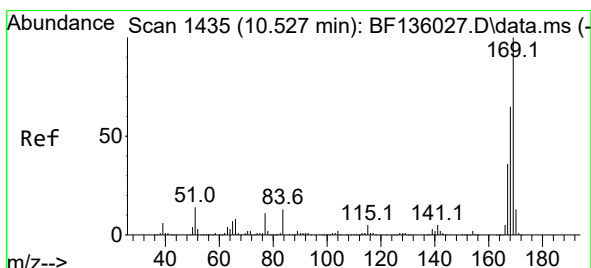
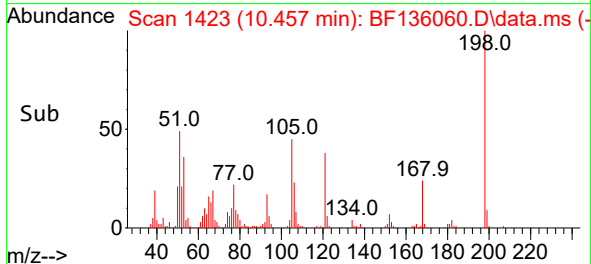
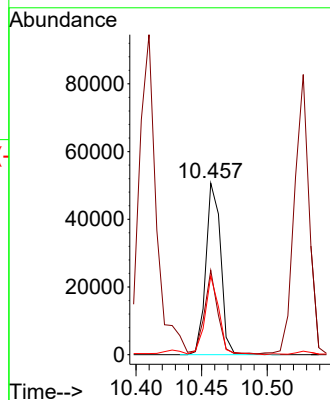
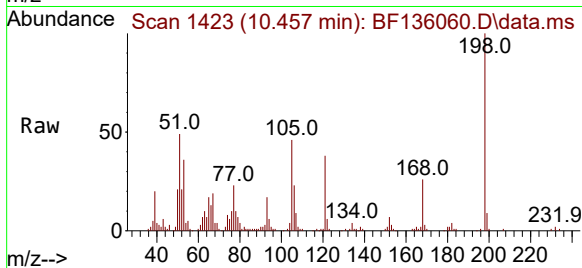




#65  
4,6-Dinitro-2-methylphenol  
Concen: 24.724 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

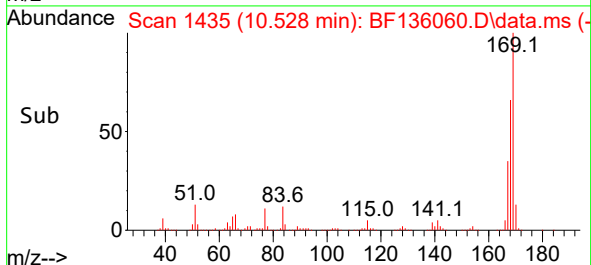
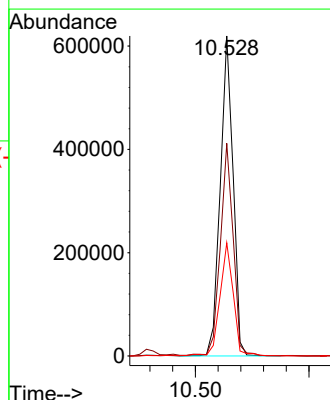
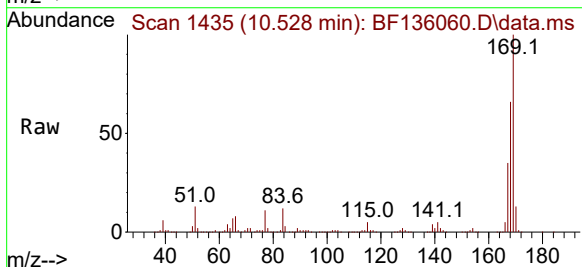
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

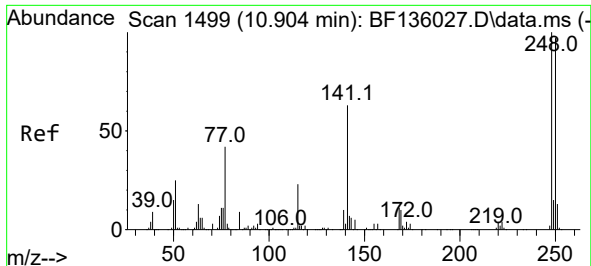
Tgt Ion:198 Resp: 40044  
Ion Ratio Lower Upper  
198 100  
51 49.1 12.9 52.9  
105 45.8 16.0 56.0



#66  
n-Nitrosodiphenylamine  
Concen: 47.514 ng  
RT: 10.528 min Scan# 1435  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:169 Resp: 485148  
Ion Ratio Lower Upper  
169 100  
168 66.5 52.2 78.2  
167 35.4 28.7 43.1

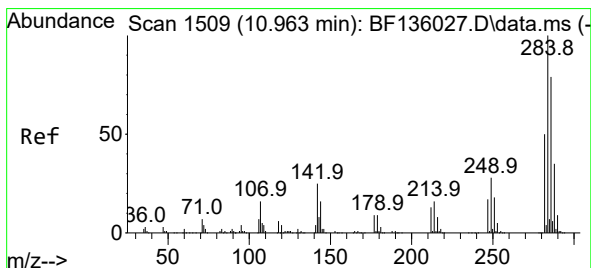
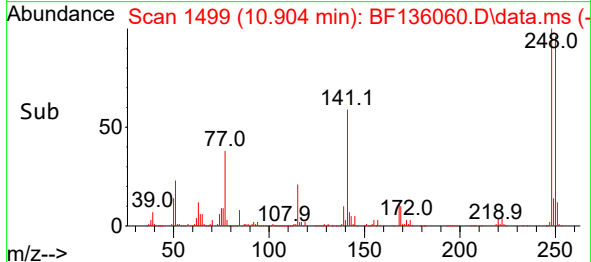
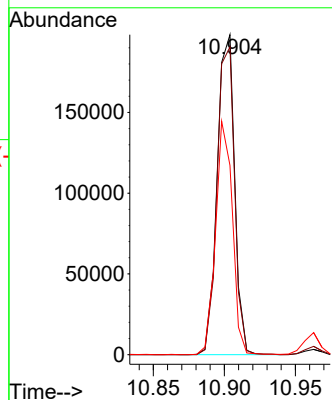
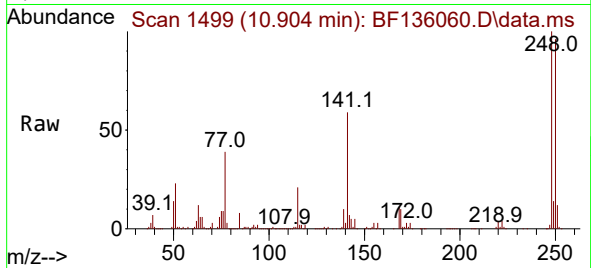




#67  
4-Bromophenyl-phenylether  
Concen: 47.718 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

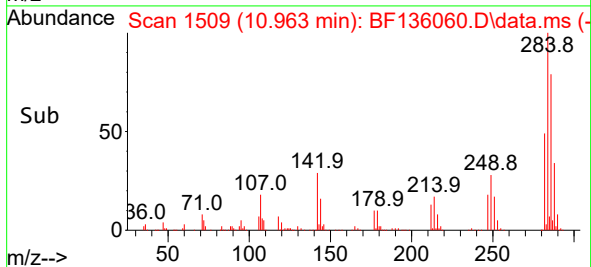
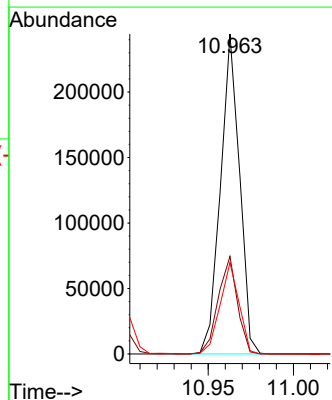
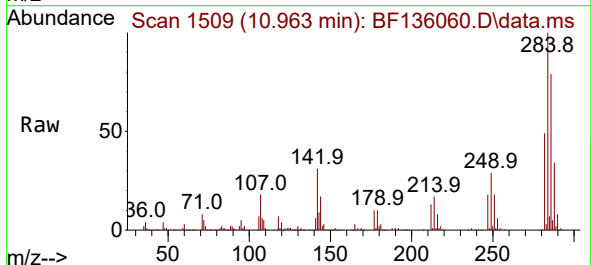
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

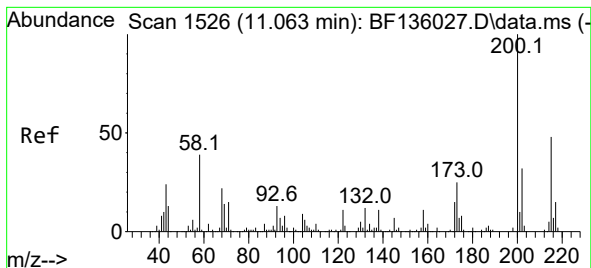
Tgt Ion:248 Resp: 169338  
Ion Ratio Lower Upper  
248 100  
250 96.2 77.6 116.4  
141 59.1 50.4 75.6



#68  
Hexachlorobenzene  
Concen: 50.102 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:284 Resp: 189890  
Ion Ratio Lower Upper  
284 100  
142 30.5 20.2 30.4#  
249 28.6 22.6 33.8





#69

Atrazine

Concen: 58.392 ng

RT: 11.063 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

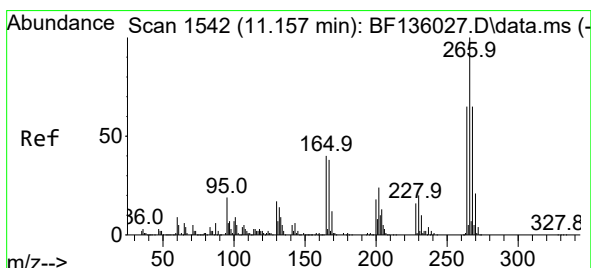
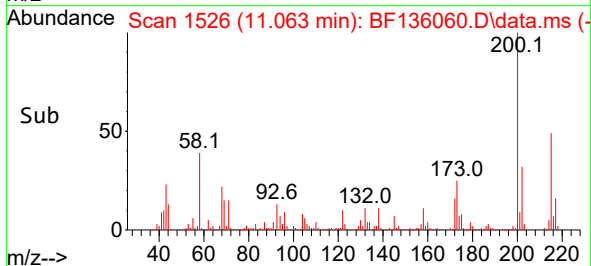
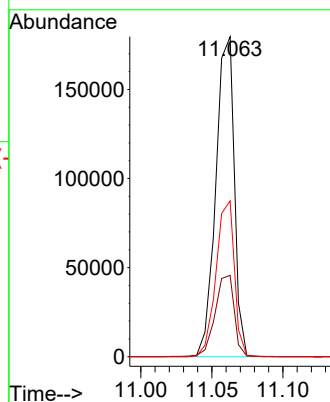
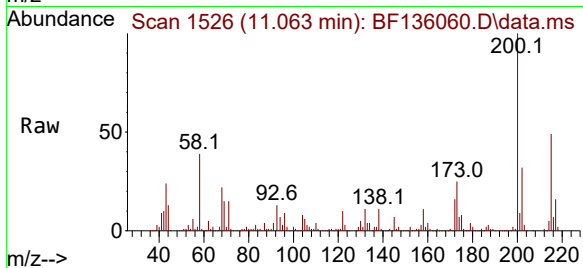
Tgt Ion:200 Resp: 162221

Ion Ratio Lower Upper

200 100

173 25.4 5.2 45.2

215 48.7 28.4 68.4



#70

Pentachlorophenol

Concen: 90.910 ng

RT: 11.157 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

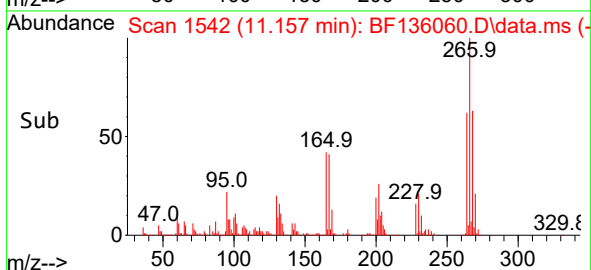
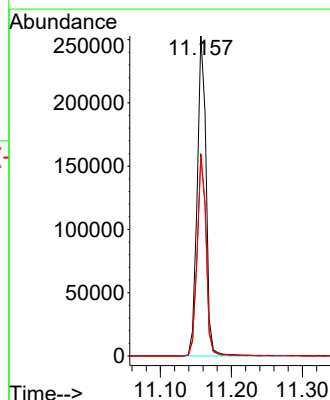
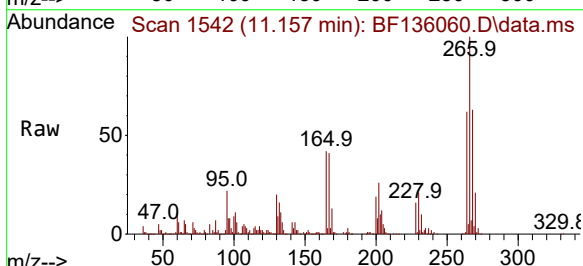
Tgt Ion:266 Resp: 221282

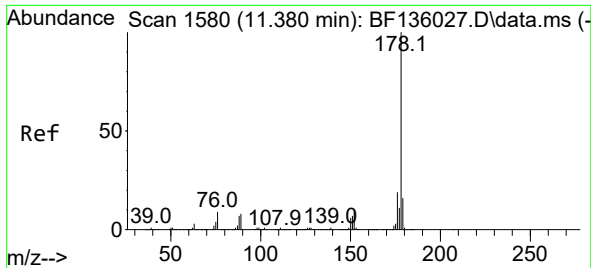
Ion Ratio Lower Upper

266 100

268 63.2 52.2 78.4

264 62.5 52.2 78.4

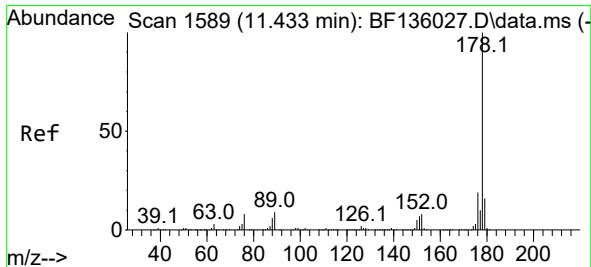
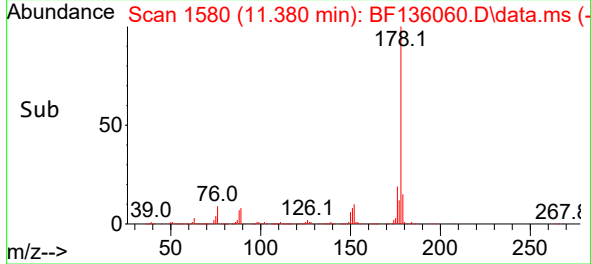
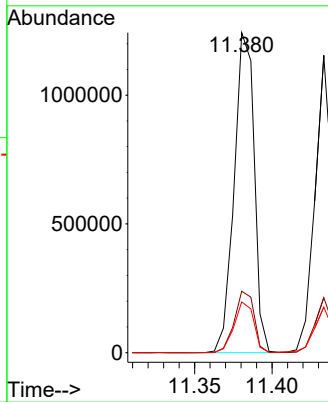
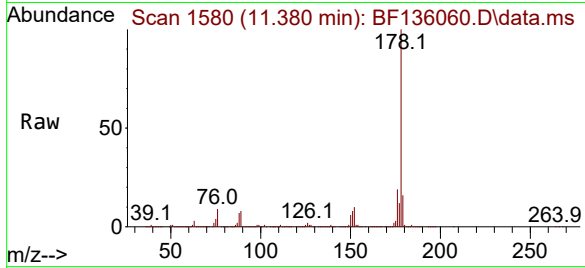




#71  
Phenanthrene  
Concen: 65.622 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

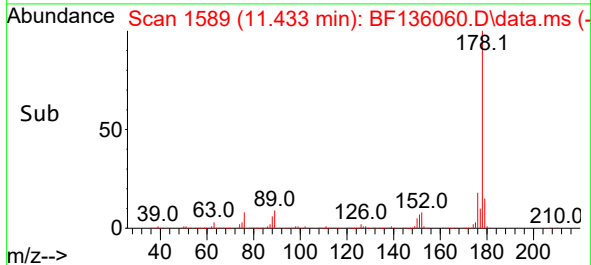
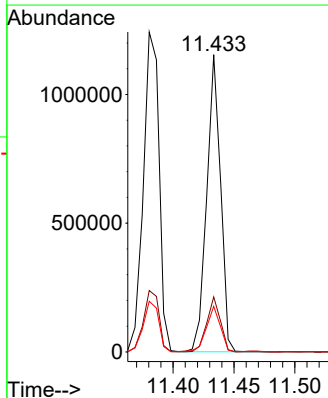
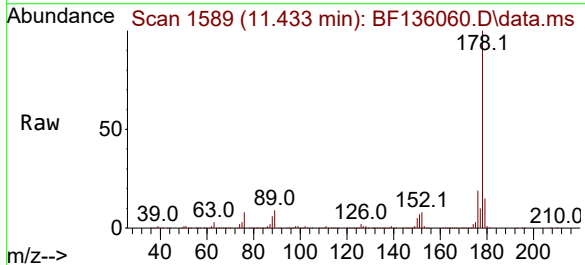
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BNA\_F  
ClientSampleId :  
TP-4MSD

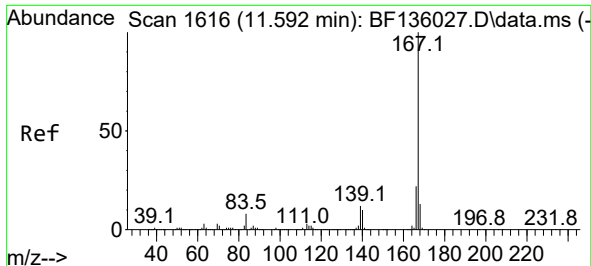
Tgt Ion:178 Resp: 1118367  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 15.9 12.9 19.3



#72  
Anthracene  
Concen: 52.043 ng  
RT: 11.433 min Scan# 1589  
Delta R.T. 0.000 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:178 Resp: 908852  
Ion Ratio Lower Upper  
178 100  
176 18.5 15.0 22.4  
179 15.3 12.6 18.8

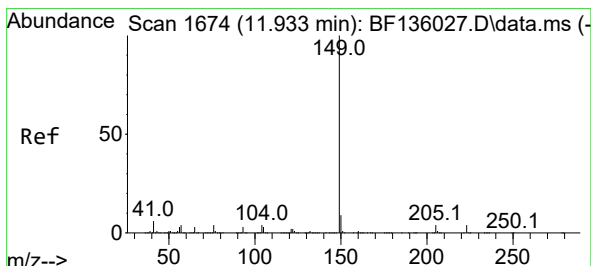
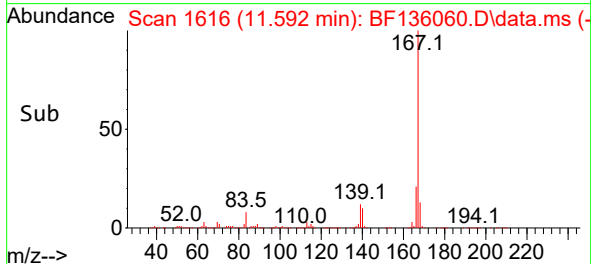
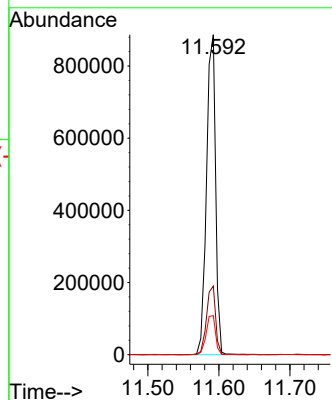
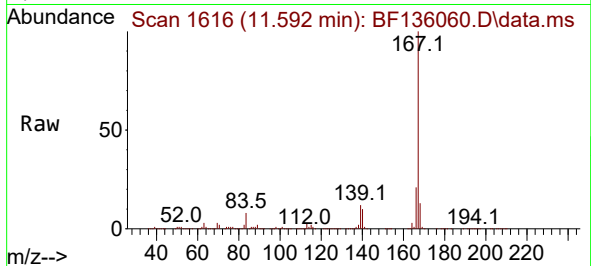




#73  
 Carbazole  
 Concen: 52.109 ng  
 RT: 11.592 min Scan# 1616  
 Delta R.T. 0.000 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

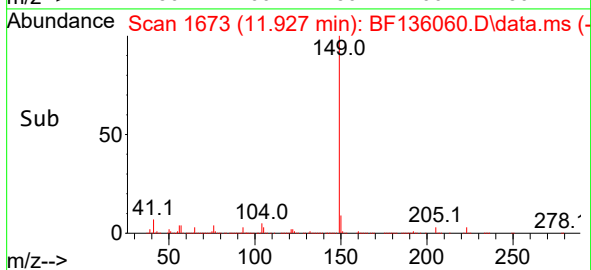
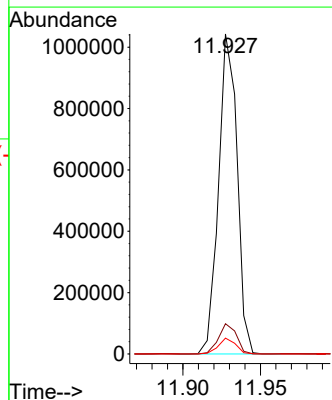
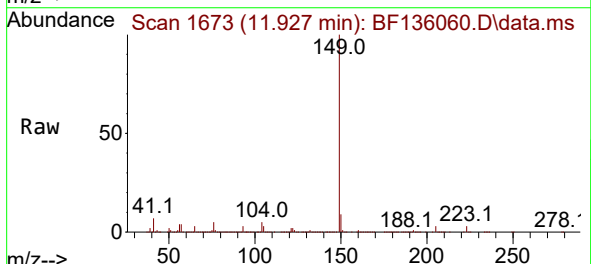
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4MSD

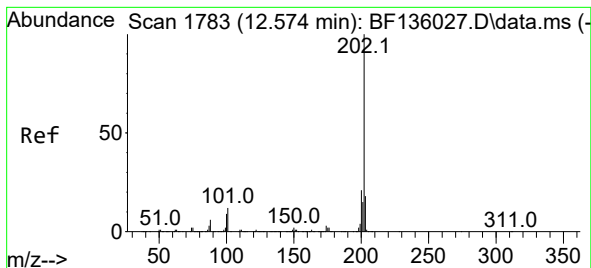
Tgt Ion:167 Resp: 790784  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.2 25.8  
 139 12.2 9.9 14.9



#74  
 Di-n-butylphthalate  
 Concen: 49.999 ng  
 RT: 11.927 min Scan# 1673  
 Delta R.T. -0.006 min  
 Lab File: BF136060.D  
 Acq: 31 Oct 2023 19:39

Tgt Ion:149 Resp: 867014  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.3 10.9  
 104 4.9 3.6 5.4





#75

Fluoranthene

Concen: 78.001 ng

RT: 12.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

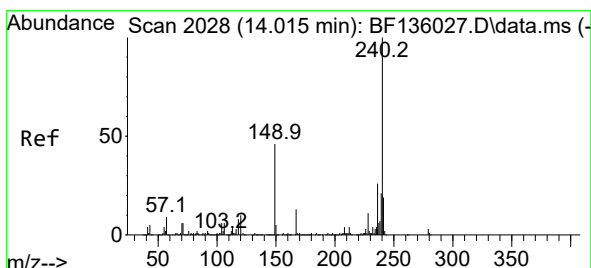
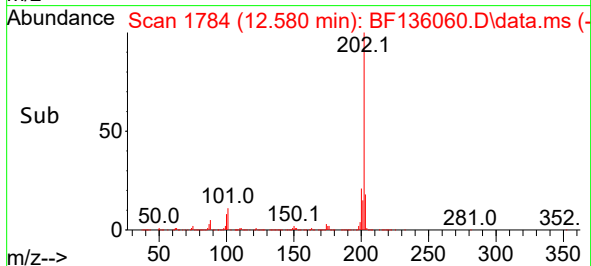
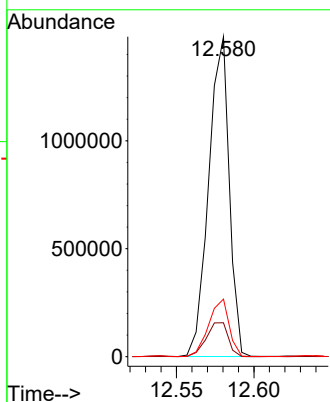
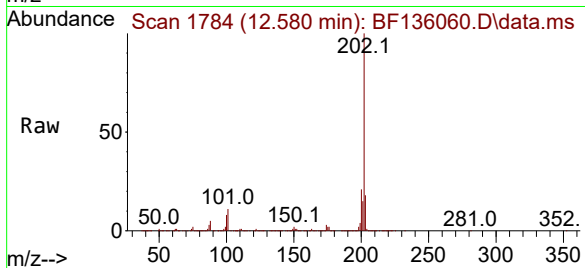
Tgt Ion:202 Resp: 1365633

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.8

203 18.0 0.0 37.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

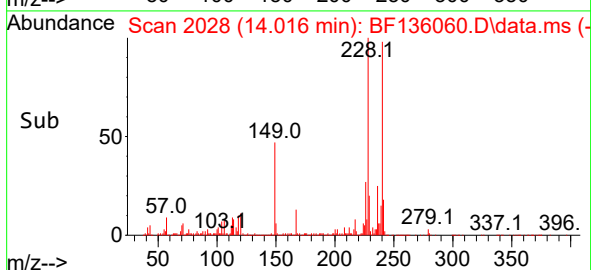
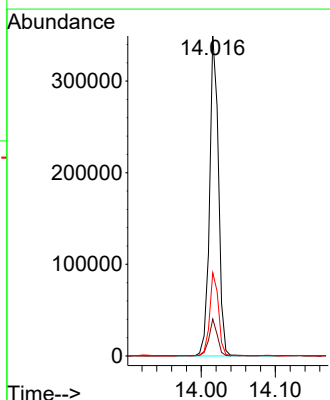
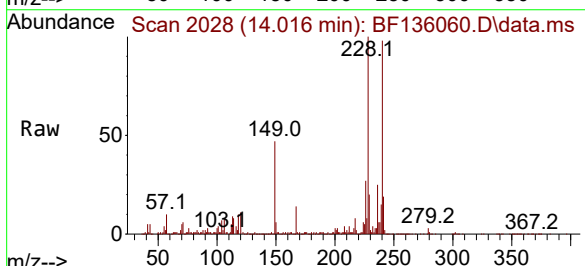
Tgt Ion:240 Resp: 292805

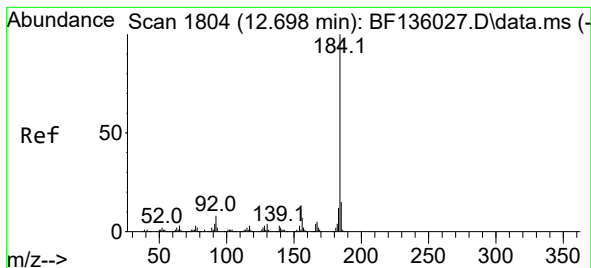
Ion Ratio Lower Upper

240 100

120 11.5 7.6 11.4#

236 26.0 20.6 31.0





#77

Benzidine

Concen: 77.123 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

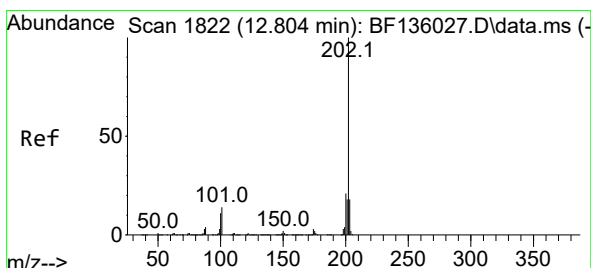
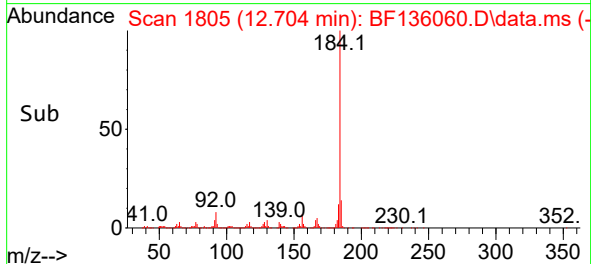
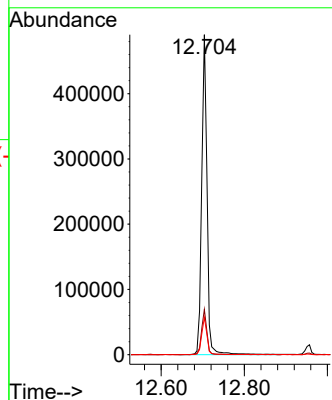
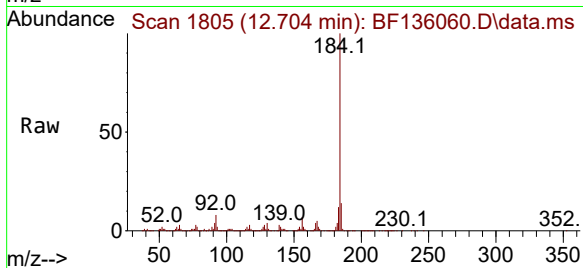
Tgt Ion:184 Resp: 440142

Ion Ratio Lower Upper

184 100

185 14.2 11.8 17.8

183 11.6 9.5 14.3



#78

Pyrene

Concen: 51.882 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

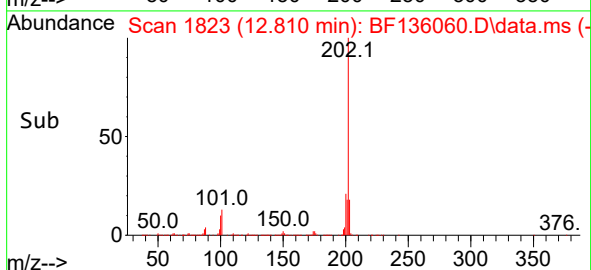
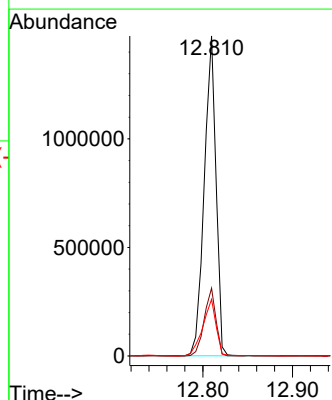
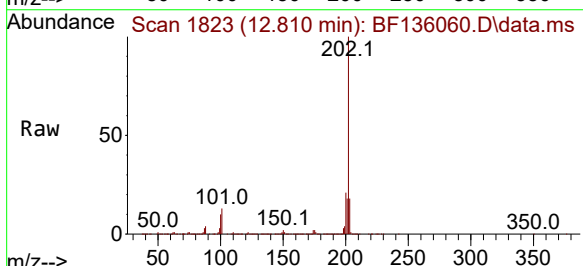
Tgt Ion:202 Resp: 1339352

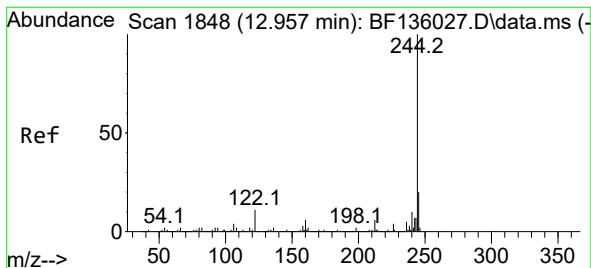
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 17.7 14.4 21.6





#79

Terphenyl-d14

Concen: 57.547 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

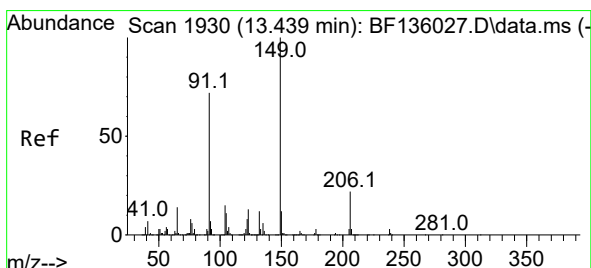
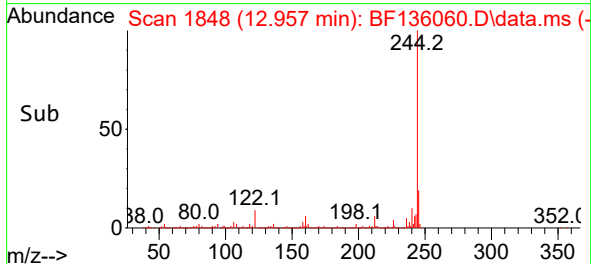
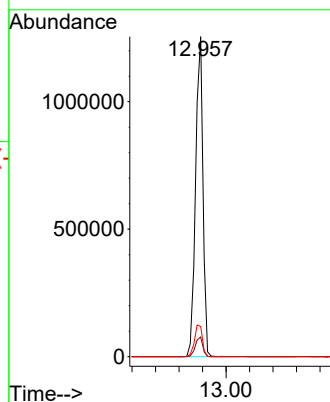
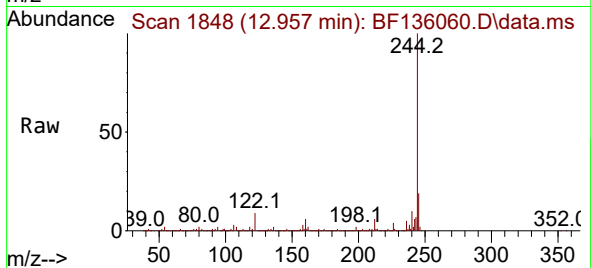
Tgt Ion:244 Resp: 1084281

Ion Ratio Lower Upper

244 100

212 6.2 5.1 7.7

122 9.5 8.6 12.8



#80

Butylbenzylphthalate

Concen: 42.876 ng

RT: 13.439 min Scan# 1930

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

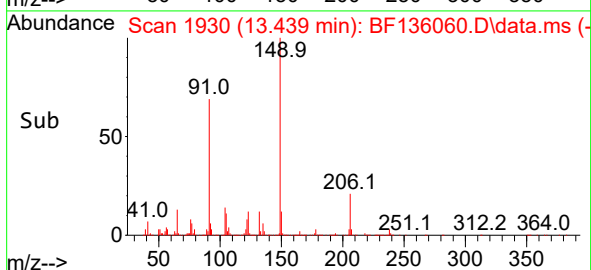
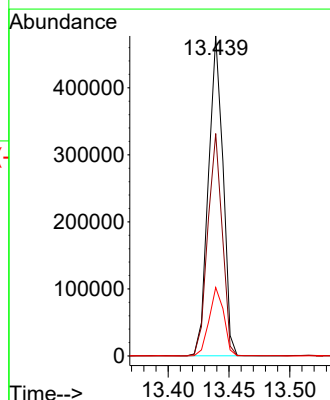
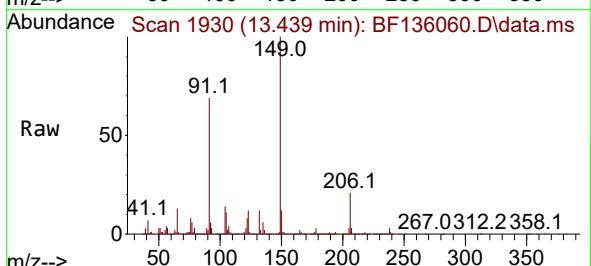
Tgt Ion:149 Resp: 396201

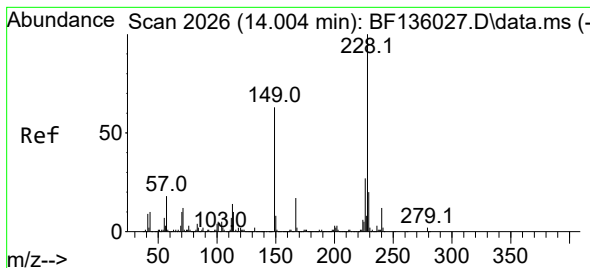
Ion Ratio Lower Upper

149 100

91 69.5 57.6 86.4

206 21.4 17.4 26.0





#81

Benzo(a)anthracene

Concen: 55.830 ng

RT: 14.010 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

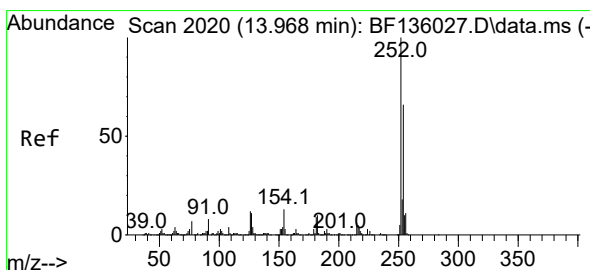
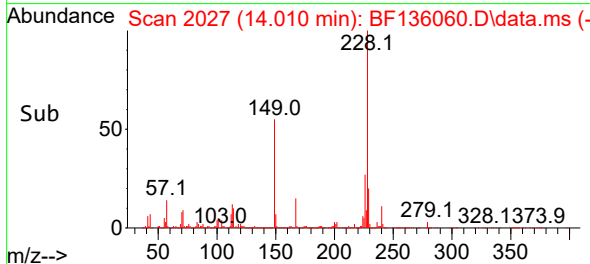
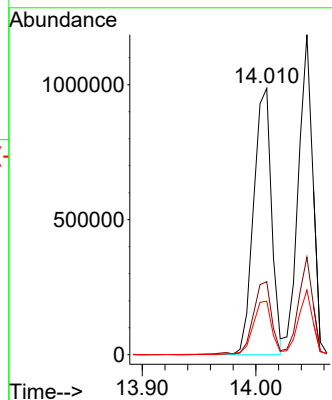
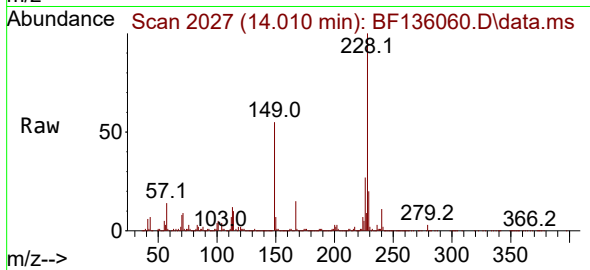
Tgt Ion:228 Resp: 1082241

Ion Ratio Lower Upper

228 100

226 27.4 21.5 32.3

229 20.1 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 55.508 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

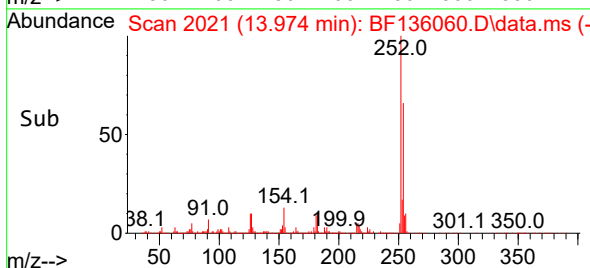
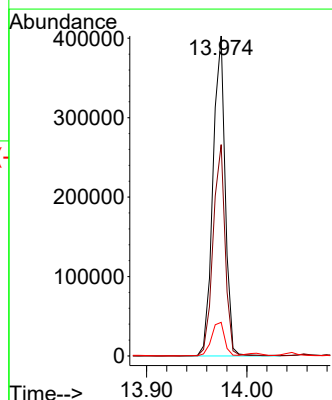
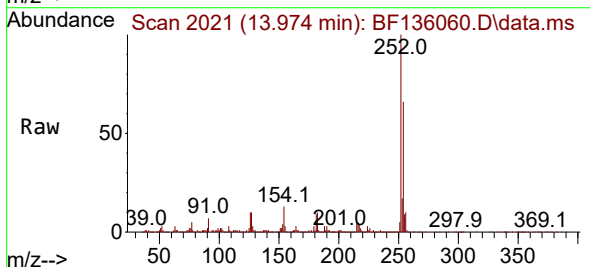
Tgt Ion:252 Resp: 343424

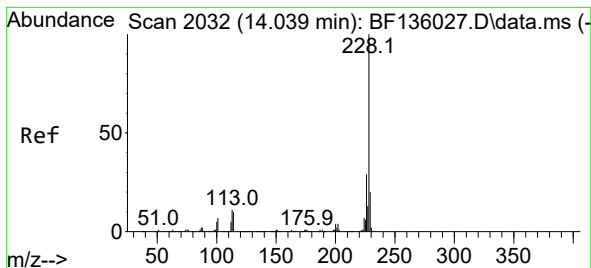
Ion Ratio Lower Upper

252 100

254 66.0 52.5 78.7

126 10.5 9.4 14.2





#83

Chrysene

Concen: 54.826 ng

RT: 14.045 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

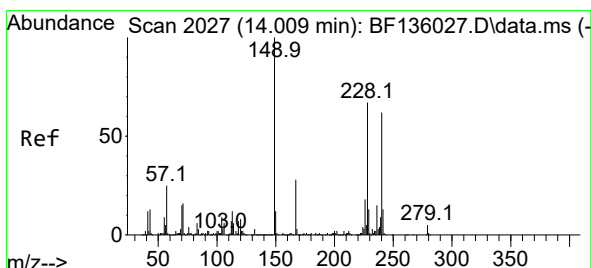
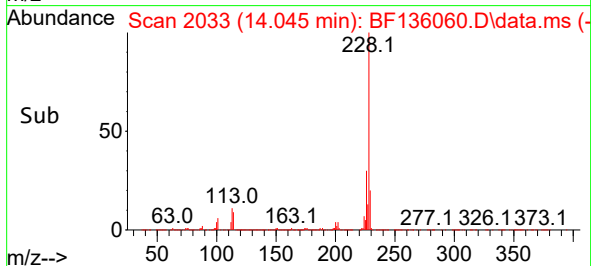
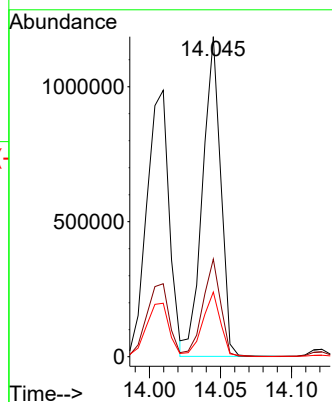
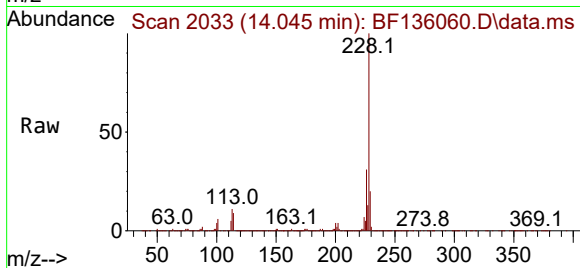
Tgt Ion:228 Resp: 1046651

Ion Ratio Lower Upper

228 100

226 30.5 23.5 35.3

229 20.2 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.094 ng

RT: 14.010 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

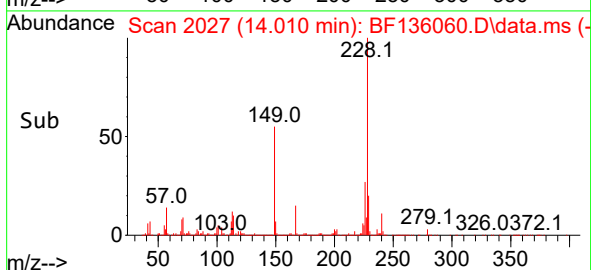
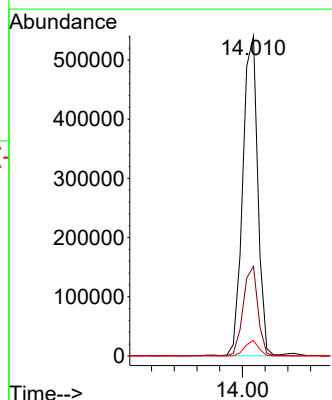
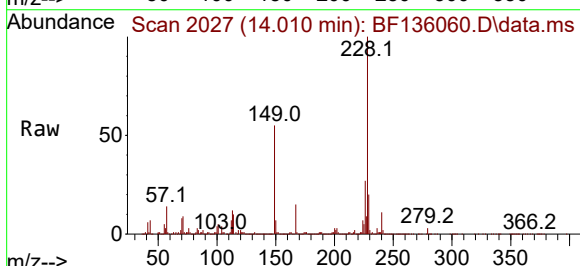
Tgt Ion:149 Resp: 496242

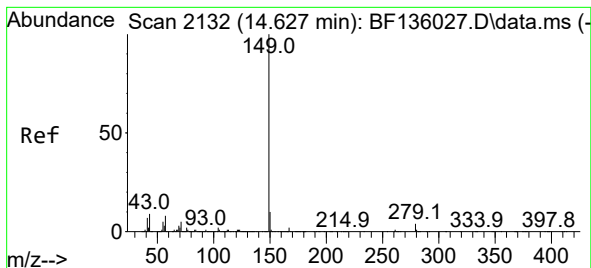
Ion Ratio Lower Upper

149 100

167 28.0 22.6 33.8

279 4.9 4.1 6.1





#85

Di-n-octyl phthalate

Concen: 61.179 ng

RT: 14.627 min Scan# 2132

Delta R.T. 0.000 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

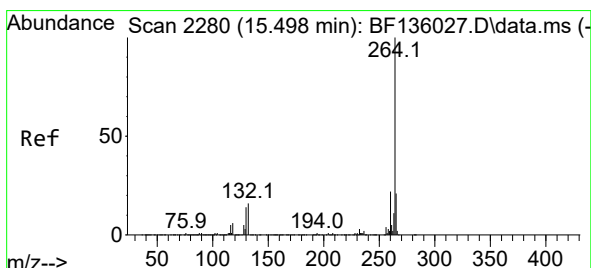
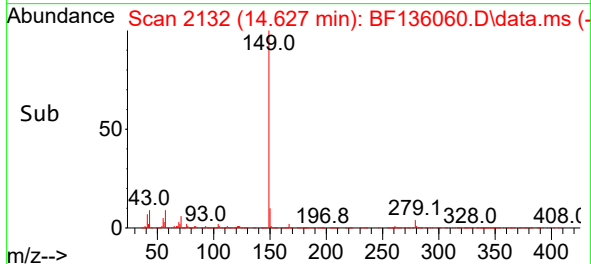
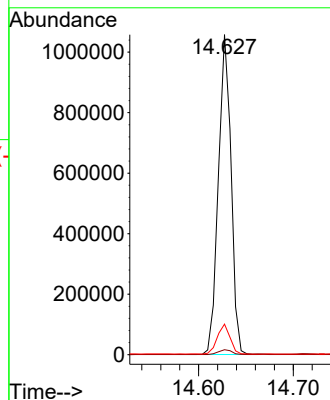
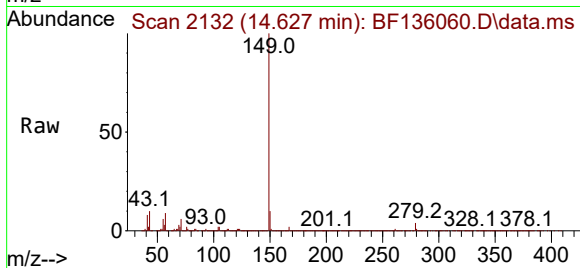
Tgt Ion:149 Resp: 986686

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 9.4 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2281

Delta R.T. 0.006 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

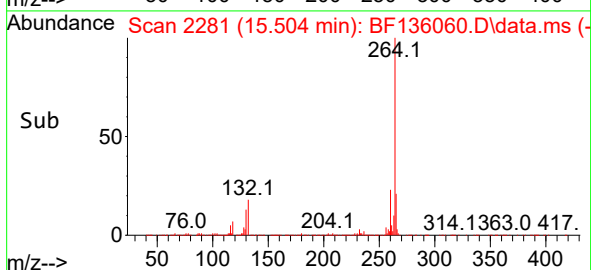
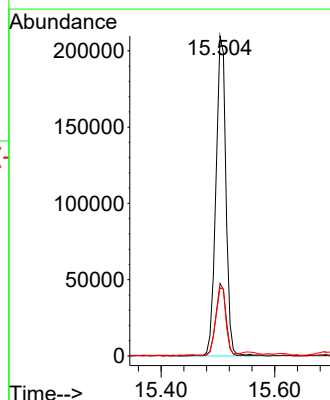
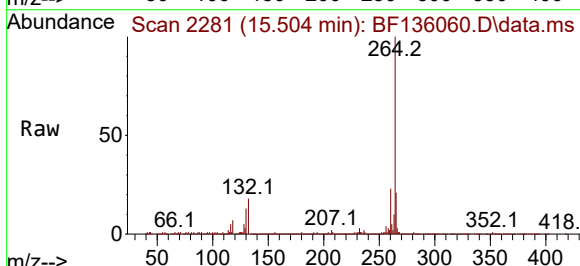
Tgt Ion:264 Resp: 256415

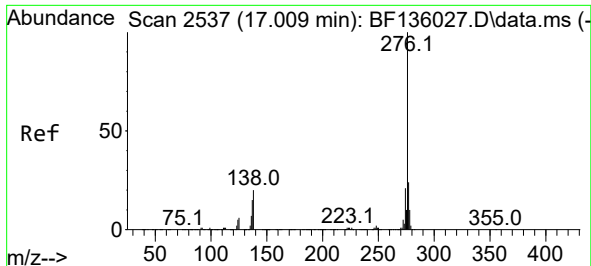
Ion Ratio Lower Upper

264 100

260 22.6 17.9 26.9

265 21.3 16.8 25.2

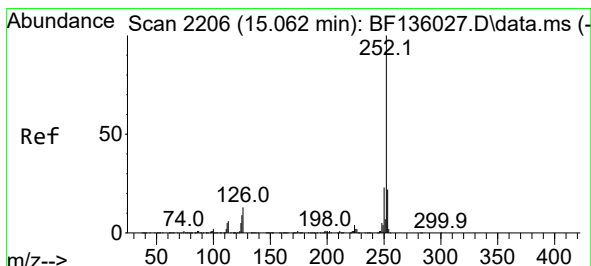
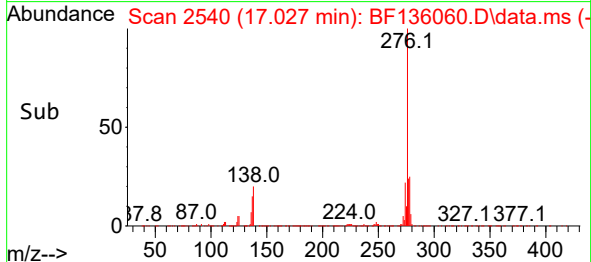
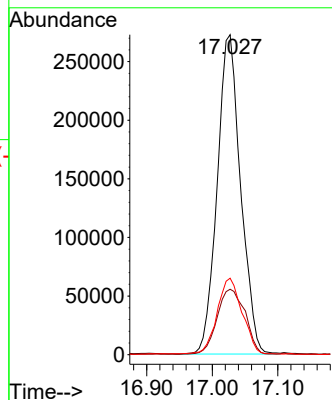
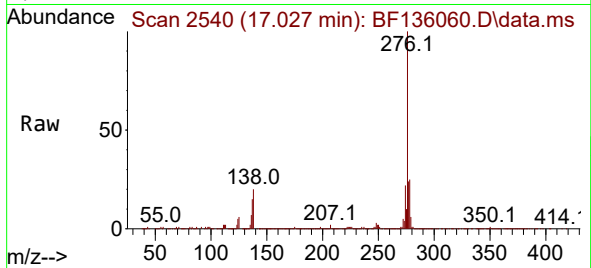




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.407 ng  
RT: 17.027 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

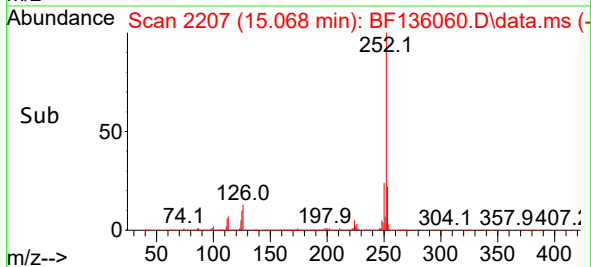
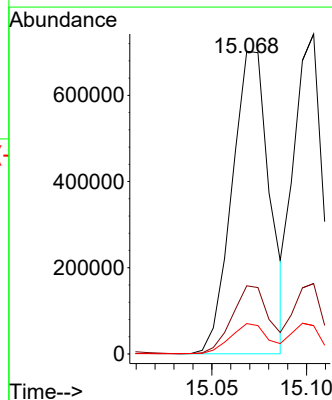
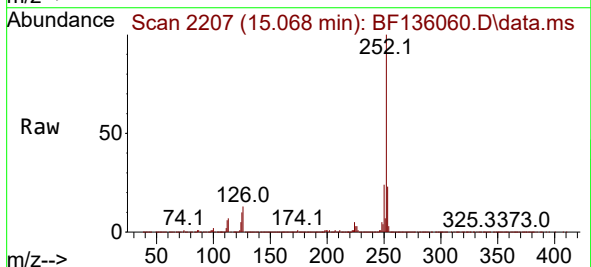
Instrument :  
BNA\_F  
ClientSampleId :  
TP-4MSD

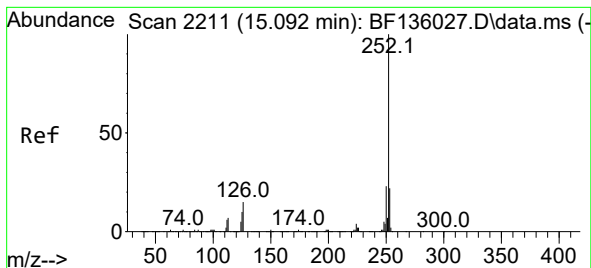
Tgt Ion:276 Resp: 677152  
Ion Ratio Lower Upper  
276 100  
138 24.2 20.4 30.6  
277 25.2 20.2 30.2



#88  
Benzo(b)fluoranthene  
Concen: 64.035 ng  
RT: 15.068 min Scan# 2207  
Delta R.T. 0.006 min  
Lab File: BF136060.D  
Acq: 31 Oct 2023 19:39

Tgt Ion:252 Resp: 971568  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.7 26.5  
125 10.1 7.5 11.3





#89

Benzo(k)fluoranthene

Concen: 51.130 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

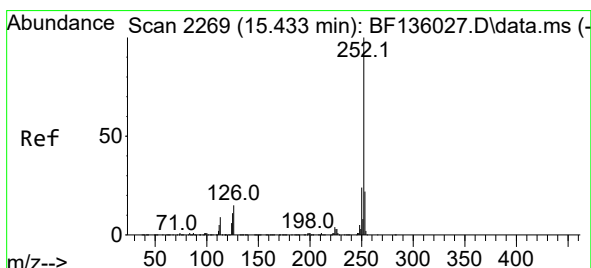
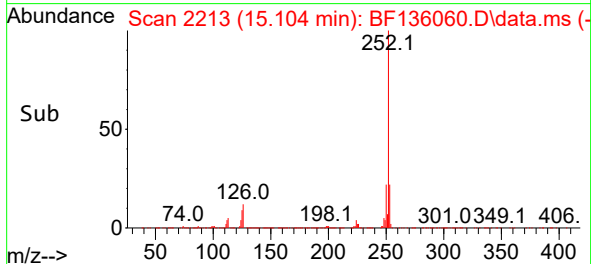
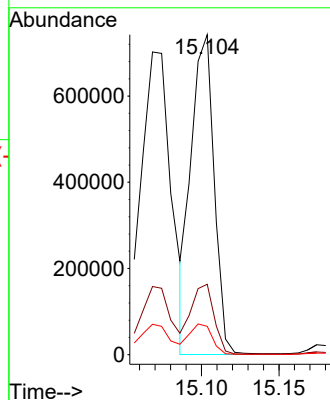
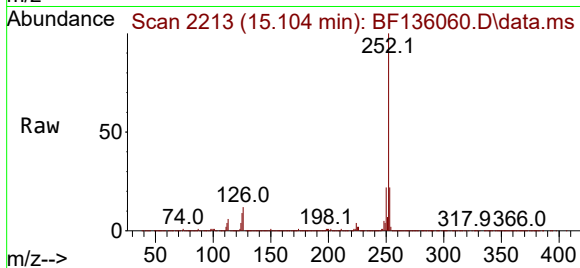
Tgt Ion:252 Resp: 767589

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 8.9 8.0 12.0



#90

Benzo(a)pyrene

Concen: 51.930 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

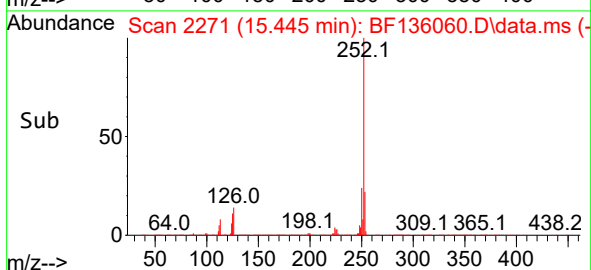
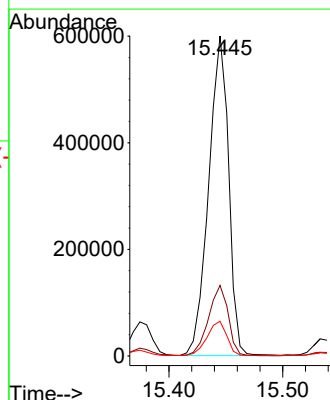
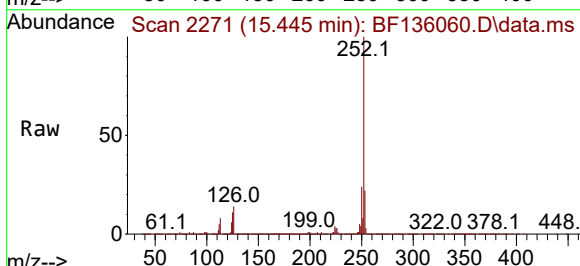
Tgt Ion:252 Resp: 732082

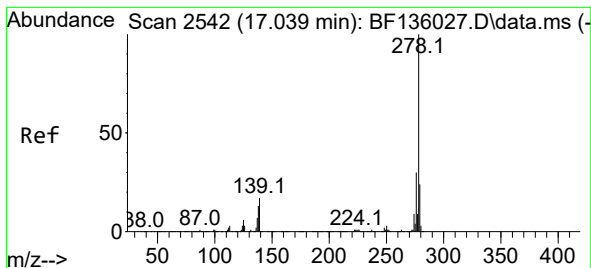
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 10.8 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 38.232 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Instrument :

BNA\_F

ClientSampleId :

TP-4MSD

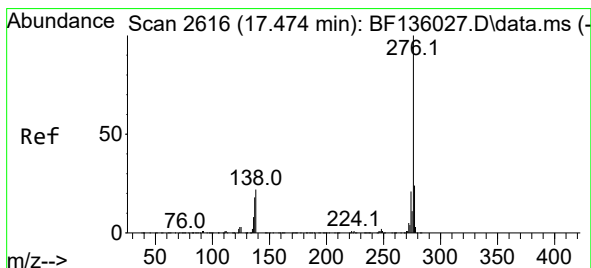
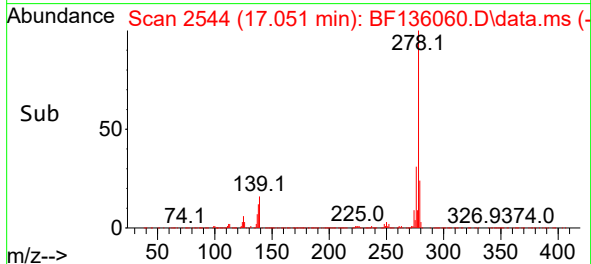
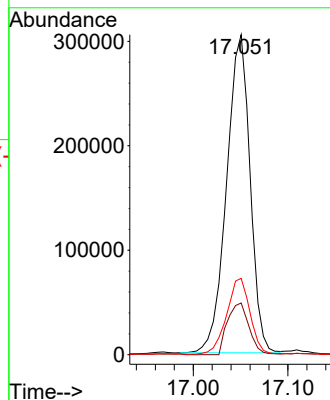
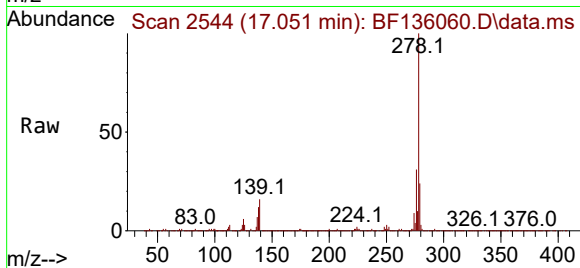
Tgt Ion:278 Resp: 524817

Ion Ratio Lower Upper

278 100

139 16.1 13.7 20.5

279 23.9 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 35.471 ng

RT: 17.486 min Scan# 2618

Delta R.T. 0.012 min

Lab File: BF136060.D

Acq: 31 Oct 2023 19:39

Tgt Ion:276 Resp: 541798

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.4

138 21.3 17.4 26.2

