

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF122723\  
 Data File : BF136782.D  
 Acq On : 28 Dec 2023 03:40  
 Operator : CG\JU  
 Sample : 05940-05MS 5X  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-04-122023MS

Quant Time: Dec 28 04:10:06 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 66969    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.063  | 136  | 225826   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.816  | 164  | 95366    | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 170036   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.969 | 240  | 149384   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.451 | 264  | 119847   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 70001    | 16.309 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.428  | 99   | 86901    | 15.625 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.340  | 82   | 50716    | 11.492 | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol      | 10.610 | 330  | 17151    | 15.270 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.134  | 172  | 97561    | 13.759 | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.904 | 244  | 98164    | 9.183  | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.528  | 88   | 13895    | 7.770  | ng    | 97       |
| 3) Pyridine                   | 3.305  | 79   | 29084    | 6.666  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.234  | 42   | 18189    | 7.806  | ng    | # 97     |
| 6) Aniline                    | 6.446  | 93   | 26469    | 4.760  | ng    | # 43     |
| 8) 2-Chlorophenol             | 6.575  | 128  | 37908    | 8.071  | ng    | 97       |
| 9) Benzaldehyde               | 6.340  | 77   | 9915     | 3.134  | ng    | 97       |
| 10) Phenol                    | 6.440  | 94   | 46283    | 7.796  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.516  | 93   | 37867    | 8.387  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 41044    | 8.010  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 42545    | 8.126  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 38905    | 7.986  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.928  | 79   | 29902    | 7.970  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 59960    | 8.123  | ng    | 99       |
| 17) 2-Methylphenol            | 7.040  | 107  | 30189    | 7.758  | ng    | 96       |
| 18) Hexachloroethane          | 7.287  | 117  | 13292    | 6.991  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.187  | 70   | 26437    | 7.842  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 37784    | 7.772  | ng    | # 59     |
| 22) Acetophenone              | 7.187  | 105  | 55263    | 9.763  | ng    | # 87     |
| 24) Nitrobenzene              | 7.363  | 77   | 37965    | 8.588  | ng    | 97       |
| 25) Isophorone                | 7.598  | 82   | 68608    | 8.544  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 12302    | 5.816  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.722  | 122  | 26862    | 10.432 | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 42963    | 8.802  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 24752    | 7.466  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 31353    | 8.488  | ng    | 99       |
| 31) Naphthalene               | 8.081  | 128  | 113613   | 9.158  | ng    | 99       |
| 32) Benzoic acid              | 7.816  | 122  | 10575    | 4.244  | ng    | # 86     |
| 33) 4-Chloroaniline           | 8.134  | 127  | 26316    | 5.745  | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 18996    | 8.465  | ng    | 95       |
| 35) Caprolactam               | 8.475  | 113  | 7752     | 7.088  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.622  | 107  | 26382    | 7.069  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 65893    | 8.253  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 63551    | 8.113  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 28534    | 9.661  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 262      | 5.159  | ng    | # 38     |
| 43) 2,4,6-Trichlorophenol     | 9.057  | 196  | 16920    | 8.933  | ng    | 94       |

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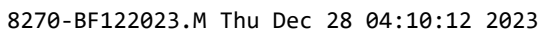
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-04-122023MS

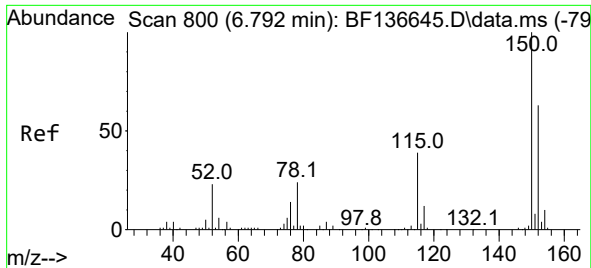
Quant Time: Dec 28 04:10:06 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 17355    | 8.222  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 81971    | 10.243 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 9.263  | 162  | 55110    | 9.059  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.363  | 65   | 16606    | 8.717  | ng    | 93       |
| 49) Acenaphthylene            | 9.675  | 152  | 98563    | 10.599 | ng    | 99       |
| 50) Dimethylphthalate         | 9.534  | 163  | 65785    | 9.444  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.604  | 165  | 11976    | 7.575  | ng    | 98       |
| 52) Acenaphthene              | 9.851  | 154  | 55430    | 9.616  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.775  | 138  | 13851    | 8.271  | ng    | 91       |
| 55) Dibenzofuran              | 10.022 | 168  | 85264    | 9.758  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 15636    | 13.831 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 14798    | 7.210  | ng    | # 94     |
| 58) Fluorene                  | 10.369 | 166  | 75434    | 10.880 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.104 | 232  | 12186    | 7.500  | ng    | 96       |
| 60) Diethylphthalate          | 10.239 | 149  | 66203    | 9.160  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.357 | 204  | 29882    | 8.867  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.381 | 138  | 14197    | 8.794  | ng    | 94       |
| 63) Azobenzene                | 10.522 | 77   | 54249    | 8.036  | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.475 | 169  | 53417    | 9.671  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 16195    | 8.576  | ng    | 95       |
| 68) Hexachlorobenzene         | 10.916 | 284  | 16661    | 7.917  | ng    | 96       |
| 69) Atrazine                  | 11.010 | 200  | 16104    | 11.399 | ng    | 93       |
| 70) Pentachlorophenol         | 11.116 | 266  | 12947    | 13.199 | ng    | 97       |
| 71) Phenanthrene              | 11.333 | 178  | 202990   | 23.266 | ng    | 100      |
| 72) Anthracene                | 11.386 | 178  | 117986   | 13.353 | ng    | 99       |
| 73) Carbazole                 | 11.545 | 167  | 85524    | 10.266 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.875 | 149  | 102847   | 10.118 | ng    | 99       |
| 75) Fluoranthene              | 12.528 | 202  | 285377   | 30.579 | ng    | 98       |
| 77) Benzidine                 | 12.657 | 184  | 37444    | 8.501  | ng    | 99       |
| 78) Pyrene                    | 12.763 | 202  | 264324   | 18.025 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 44663    | 8.370  | ng    | 92       |
| 81) Benzo(a)anthracene        | 13.957 | 228  | 173584   | 16.734 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.922 | 252  | 28812    | 9.781  | ng    | 98       |
| 83) Chrysene                  | 13.992 | 228  | 149470   | 14.735 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 68487    | 10.201 | ng    | 95       |
| 85) Di-n-octyl phthalate      | 14.563 | 149  | 121669   | 11.716 | ng    | # 97     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.951 | 276  | 77541    | 8.961  | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 126322   | 15.781 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 89339    | 11.812 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 97311    | 14.402 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.968 | 278  | 53888    | 7.591  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.410 | 276  | 66991    | 9.214  | ng    | 99       |

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

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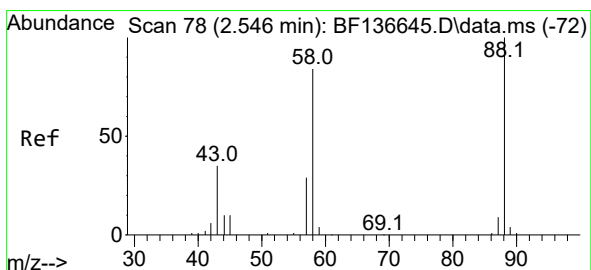
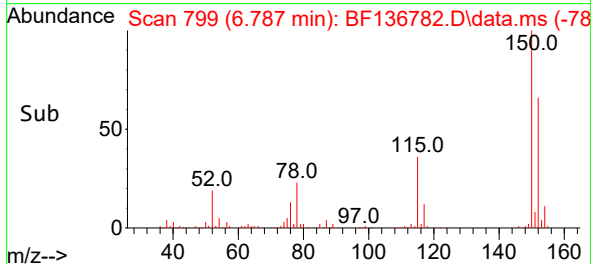
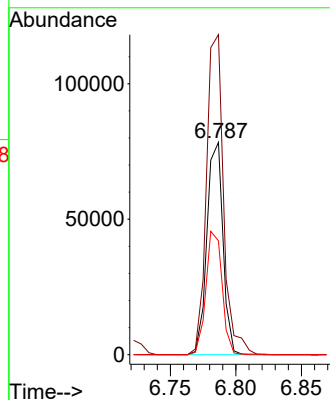
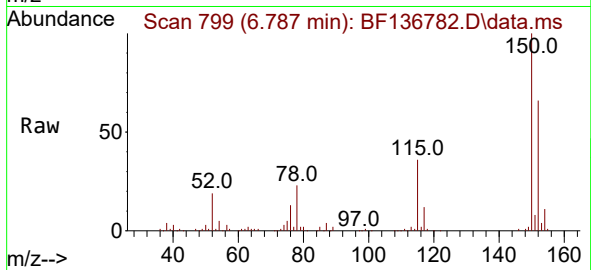




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.787 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

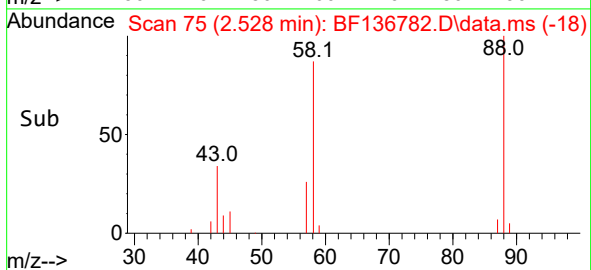
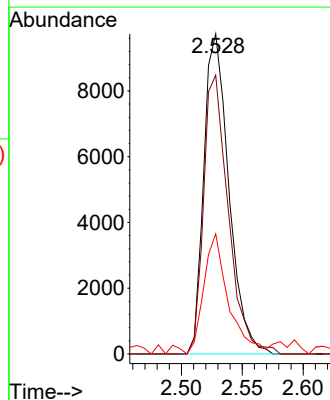
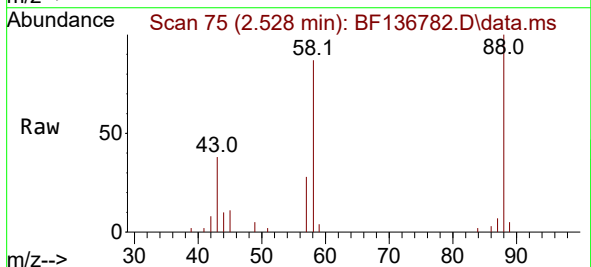
Instrument :  
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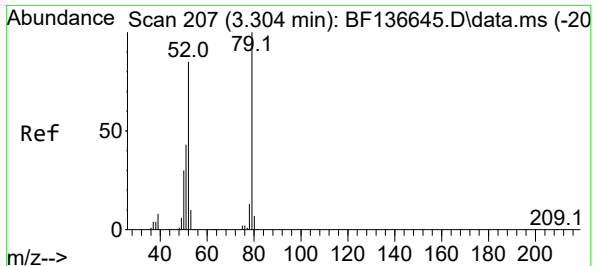
Tgt Ion:152 Resp: 66969  
 Ion Ratio Lower Upper  
 152 100  
 150 150.8 127.0 190.6  
 115 53.6 49.0 73.4



#2  
 1,4-Dioxane  
 Concen: 7.770 ng  
 RT: 2.528 min Scan# 75  
 Delta R.T. -0.017 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

Tgt Ion: 88 Resp: 13895  
 Ion Ratio Lower Upper  
 88 100  
 58 86.2 67.4 101.0  
 43 36.9 27.7 41.5





#3

Pyridine

Concen: 6.666 ng

RT: 3.305 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

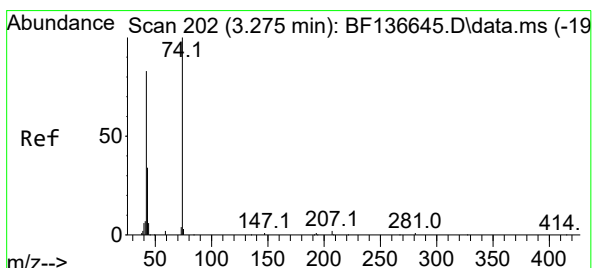
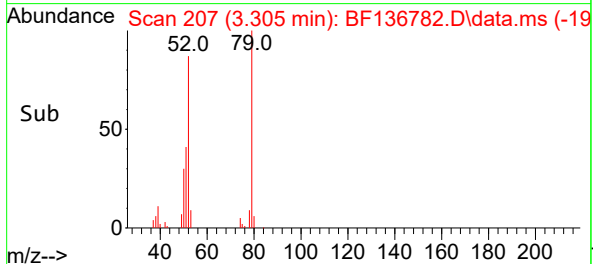
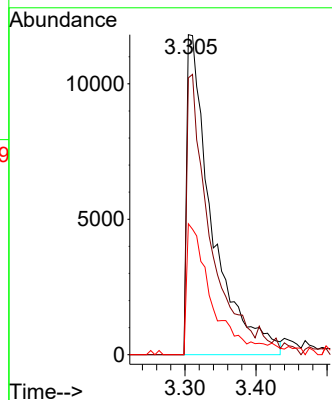
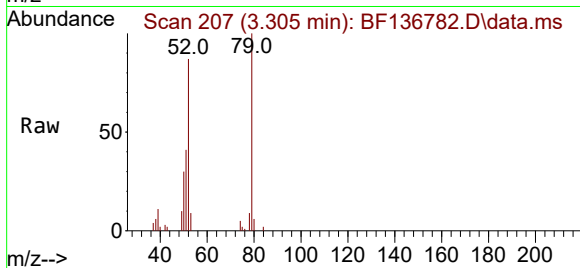
Tgt Ion: 79 Resp: 29084

Ion Ratio Lower Upper

79 100

52 86.5 67.7 101.5

51 40.9 34.0 51.0



#4

n-Nitrosodimethylamine

Concen: 7.806 ng

RT: 3.234 min Scan# 195

Delta R.T. -0.041 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

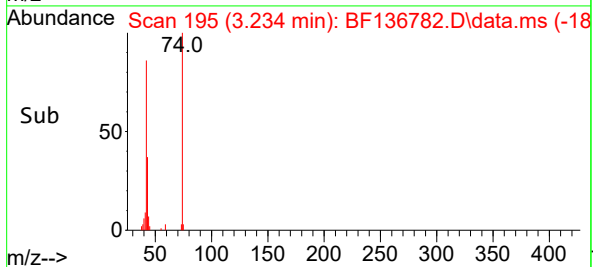
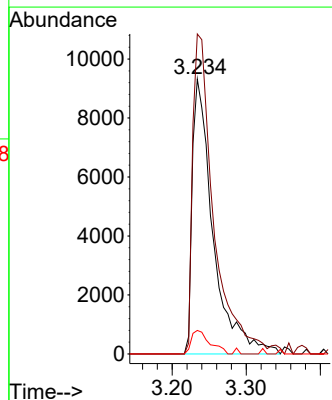
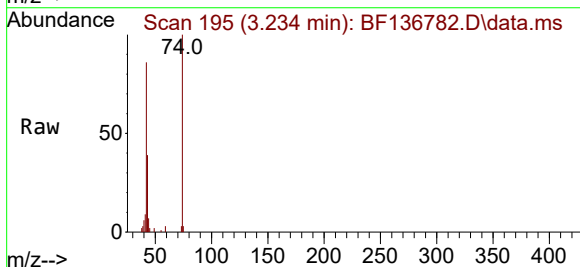
Tgt Ion: 42 Resp: 18189

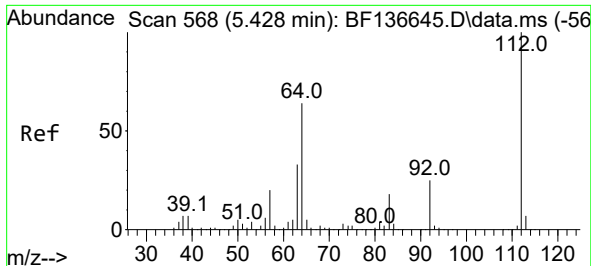
Ion Ratio Lower Upper

42 100

74 116.4 96.0 144.0

44 8.6 5.4 8.2

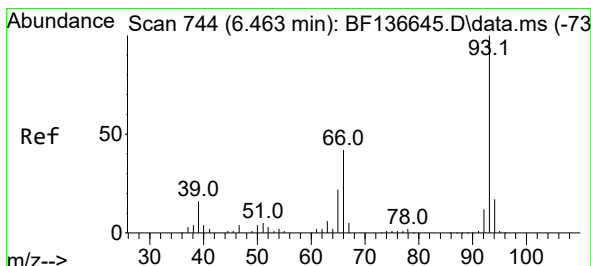
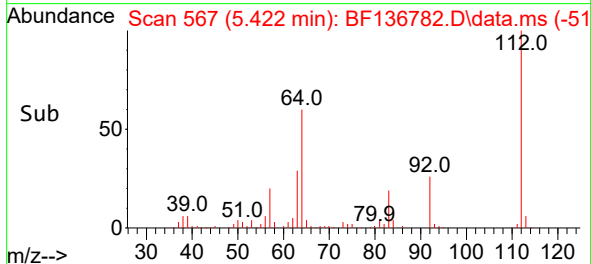
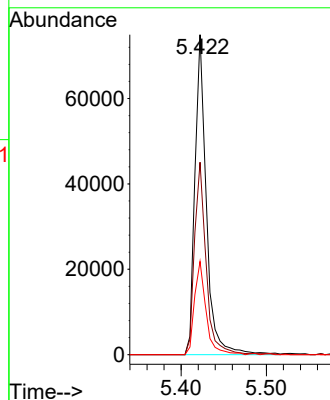
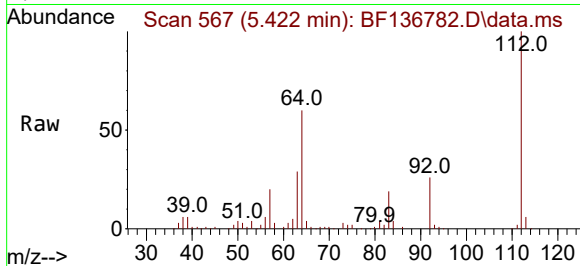




#5  
2-Fluorophenol  
Concen: 16.309 ng  
RT: 5.422 min Scan# 501  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

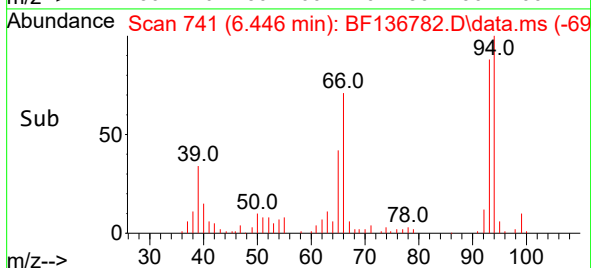
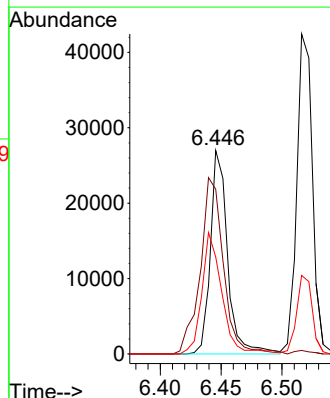
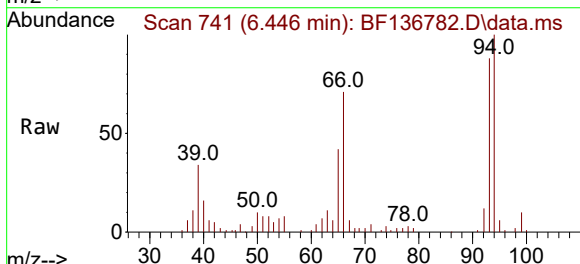
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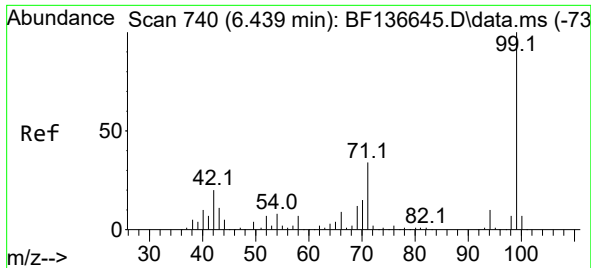
Tgt Ion:112 Resp: 70001  
Ion Ratio Lower Upper  
112 100  
64 60.2 51.1 76.7  
63 29.2 26.1 39.1



#6  
Aniline  
Concen: 4.760 ng  
RT: 6.446 min Scan# 741  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 93 Resp: 26469  
Ion Ratio Lower Upper  
93 100  
66 80.9 34.6 51.8#  
65 47.6 17.8 26.8#

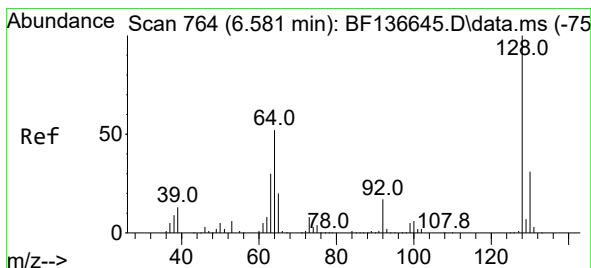
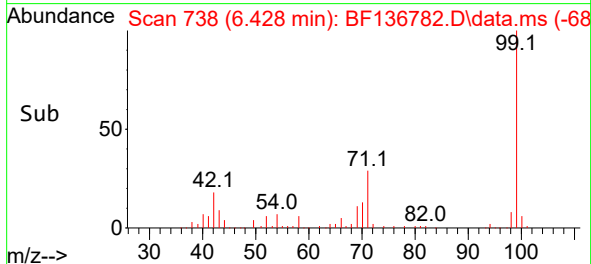
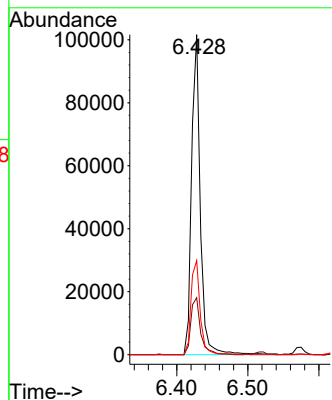
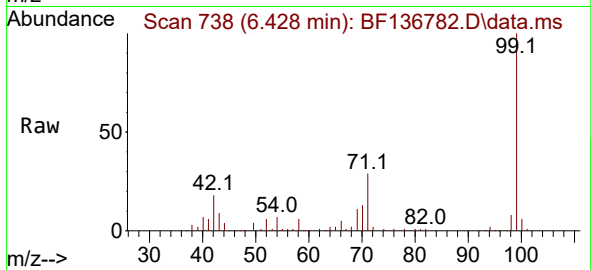




#7  
Phenol-d6  
Concen: 15.625 ng  
RT: 6.428 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

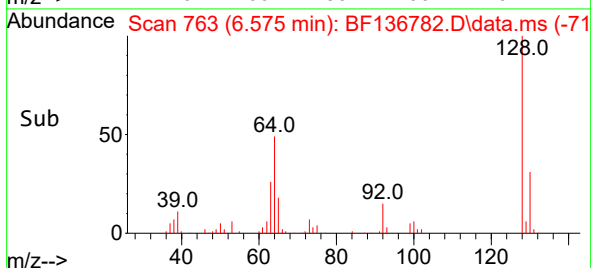
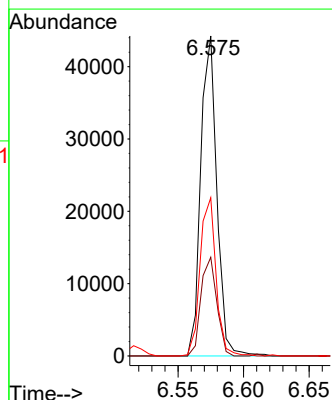
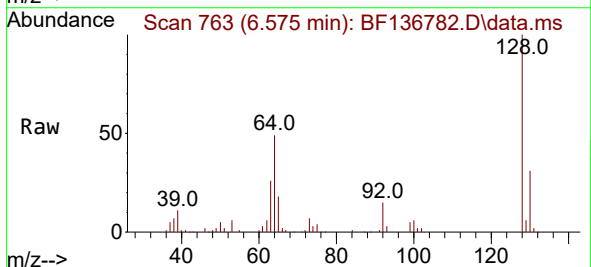
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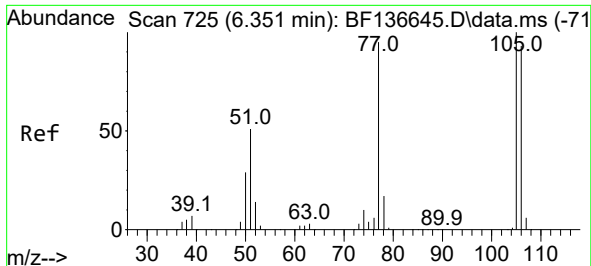
Tgt Ion: 99 Resp: 86901  
Ion Ratio Lower Upper  
99 100  
42 17.8 16.1 24.1  
71 29.4 27.4 41.2



#8  
2-Chlorophenol  
Concen: 8.071 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 128 Resp: 37908  
Ion Ratio Lower Upper  
128 100  
130 30.9 11.3 51.3  
64 49.5 32.5 72.5

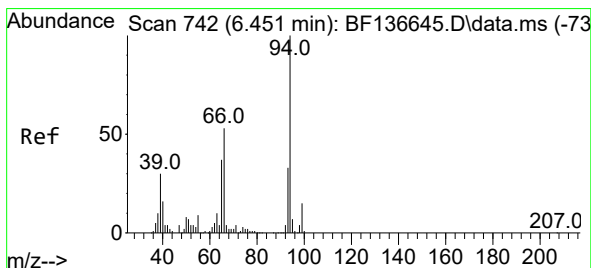
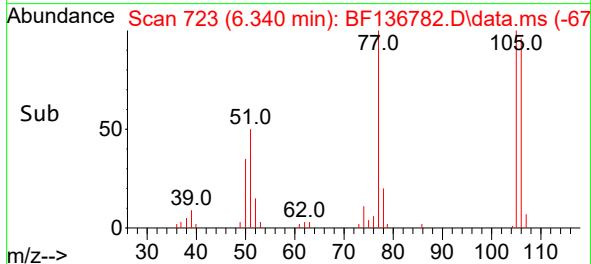
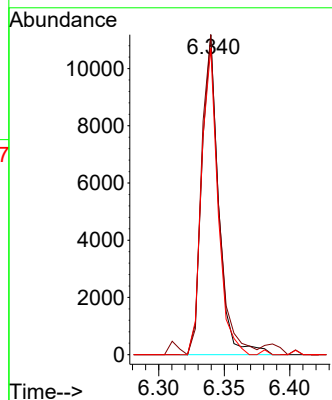
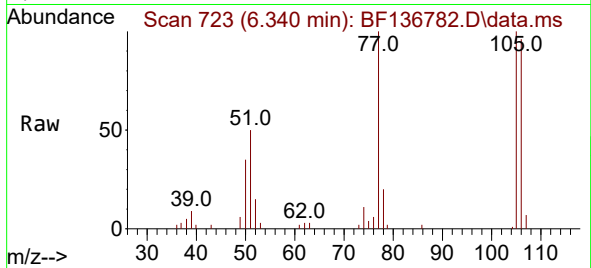




#9  
Benzaldehyde  
Concen: 3.134 ng  
RT: 6.340 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

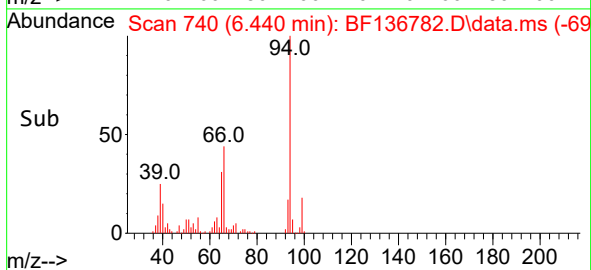
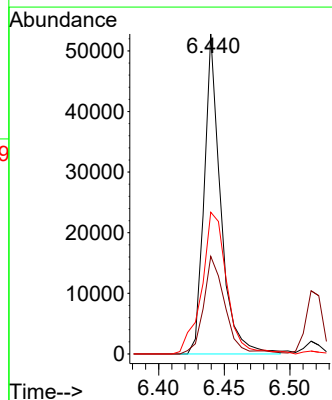
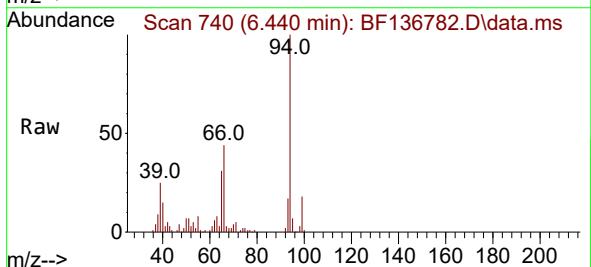
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

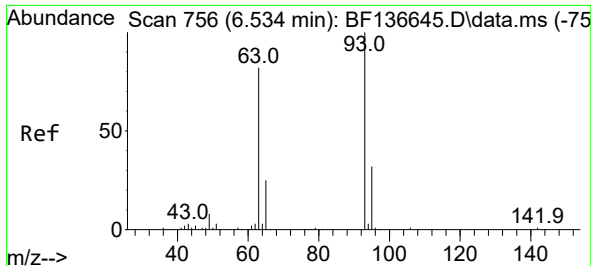
Tgt Ion: 77 Resp: 9915  
Ion Ratio Lower Upper  
77 100  
105 100.0 84.8 124.8  
106 95.9 77.8 117.8



#10  
Phenol  
Concen: 7.796 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 94 Resp: 46283  
Ion Ratio Lower Upper  
94 100  
65 30.5 16.6 56.6  
66 44.3 32.6 72.6

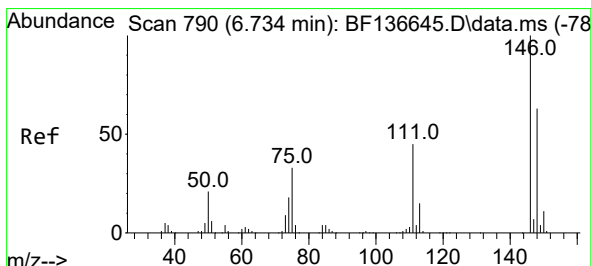
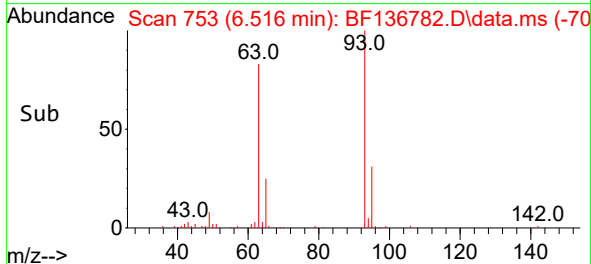
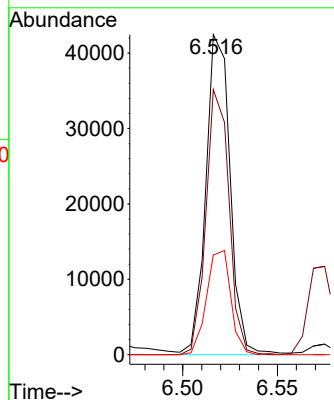
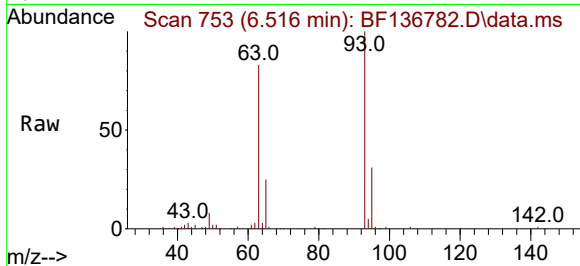




#11  
bis(2-Chloroethyl)ether  
Concen: 8.387 ng  
RT: 6.516 min Scan# 711  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

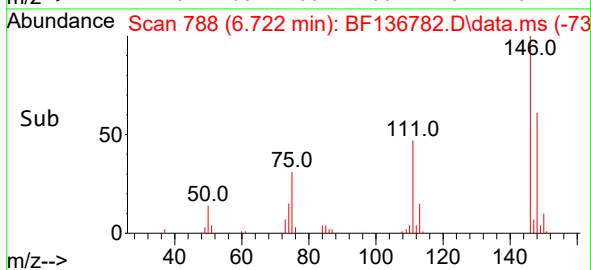
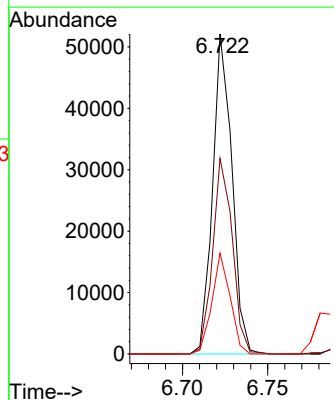
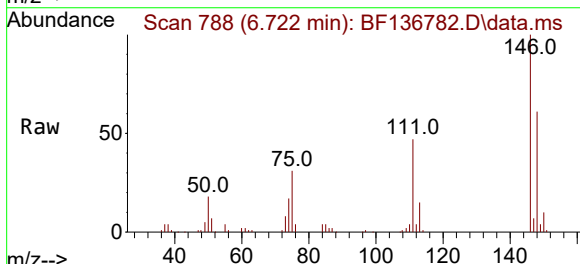
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

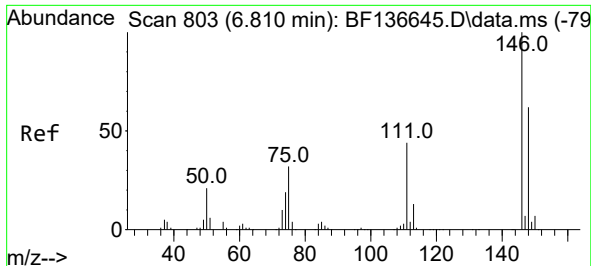
Tgt Ion: 93 Resp: 37867  
Ion Ratio Lower Upper  
93 100  
63 82.8 61.2 101.2  
95 31.2 11.6 51.6



#12  
1,3-Dichlorobenzene  
Concen: 8.010 ng  
RT: 6.722 min Scan# 788  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 146 Resp: 41044  
Ion Ratio Lower Upper  
146 100  
148 61.1 50.5 75.7  
75 31.5 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 8.126 ng

RT: 6.798 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

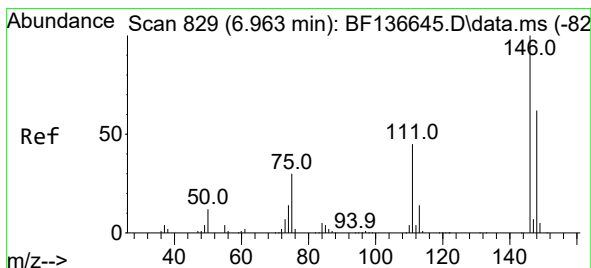
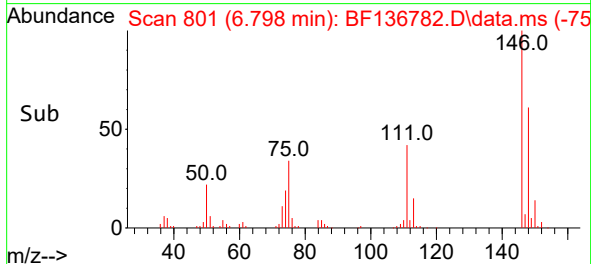
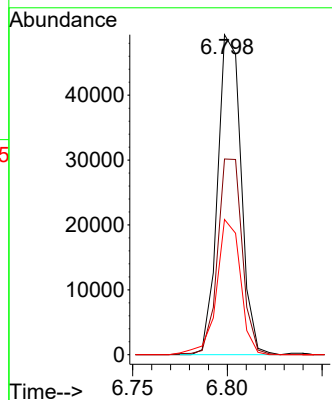
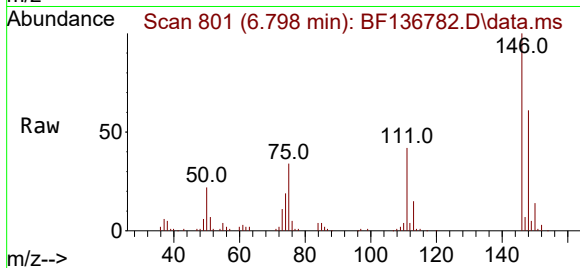
Tgt Ion:146 Resp: 42545

Ion Ratio Lower Upper

146 100

148 61.1 49.2 73.8

111 42.3 35.2 52.8



#14

1,2-Dichlorobenzene

Concen: 7.986 ng

RT: 6.951 min Scan# 827

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

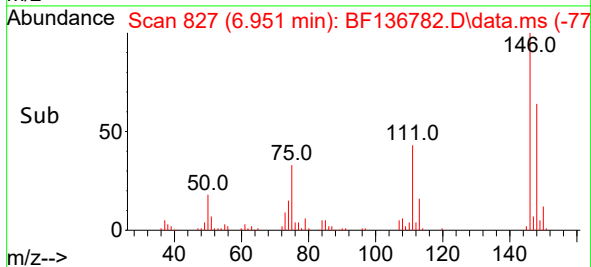
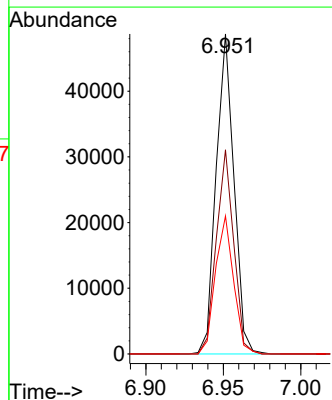
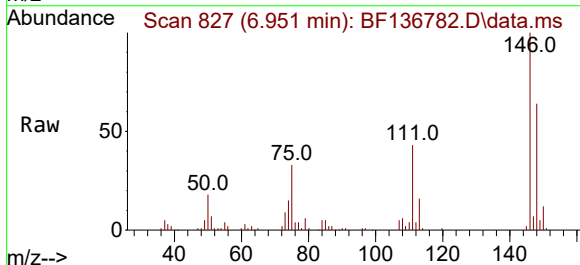
Tgt Ion:146 Resp: 38905

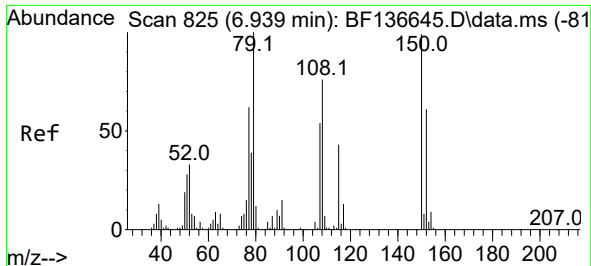
Ion Ratio Lower Upper

146 100

148 63.8 49.6 74.4

111 43.1 36.2 54.2

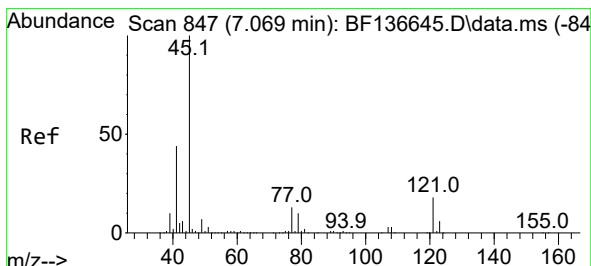
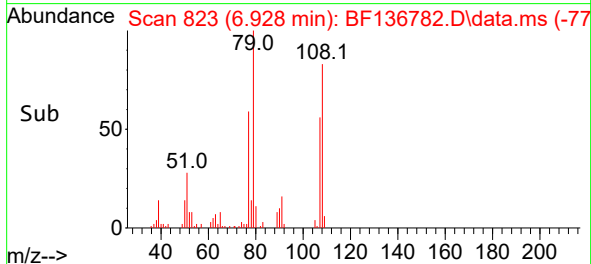
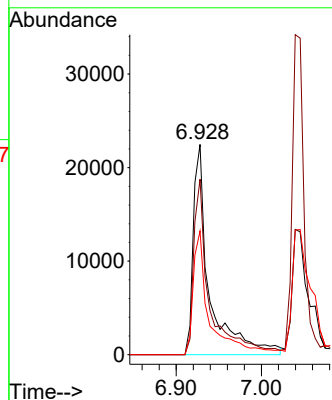
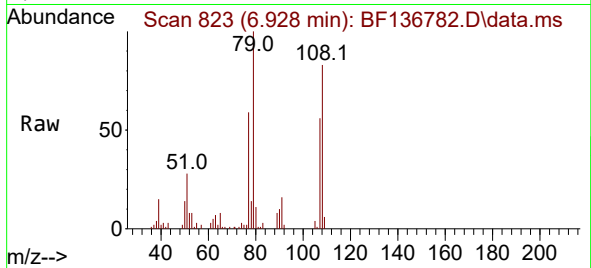




#15  
Benzyl Alcohol  
Concen: 7.970 ng  
RT: 6.928 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

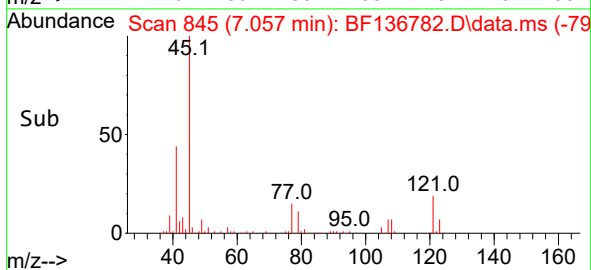
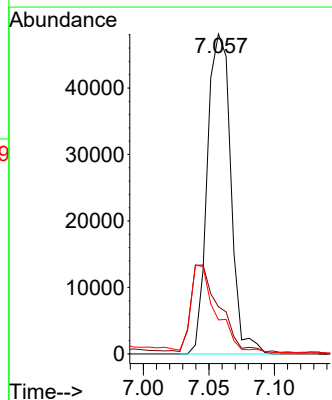
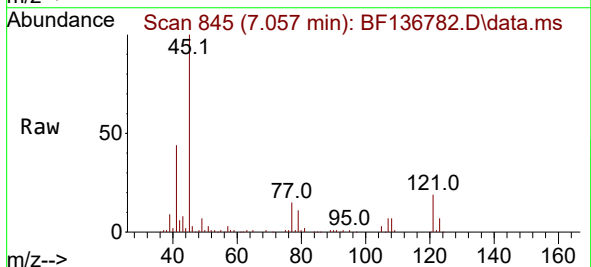
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

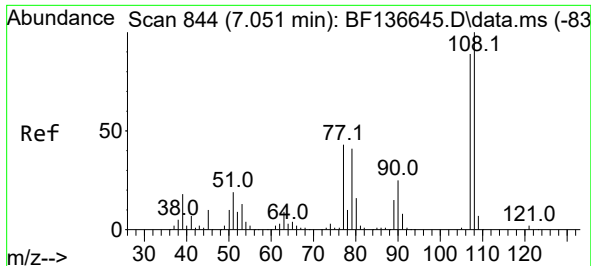
Tgt Ion: 79 Resp: 29902  
Ion Ratio Lower Upper  
79 100  
108 83.5 61.0 91.6  
77 58.8 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.123 ng  
RT: 7.057 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 45 Resp: 59960  
Ion Ratio Lower Upper  
45 100  
77 14.8 0.0 34.3  
79 10.7 0.0 31.4

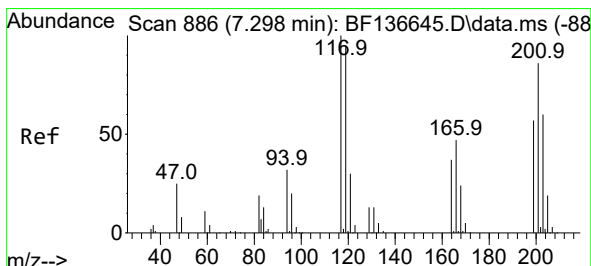
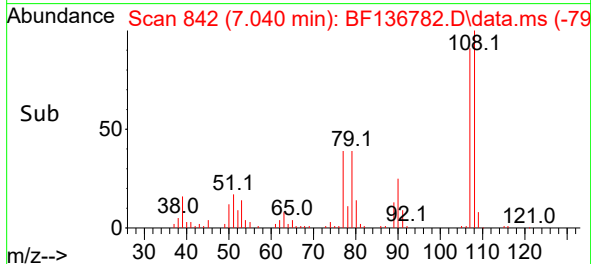
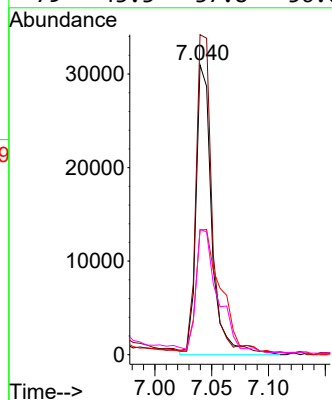
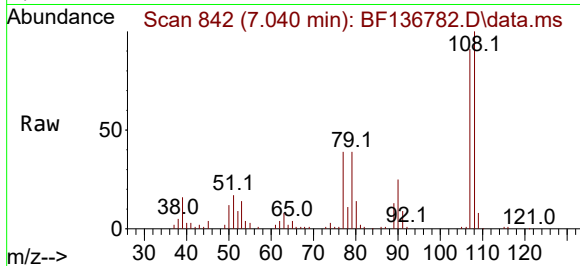




#17  
2-Methylphenol  
Concen: 7.758 ng  
RT: 7.040 min Scan# 84  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

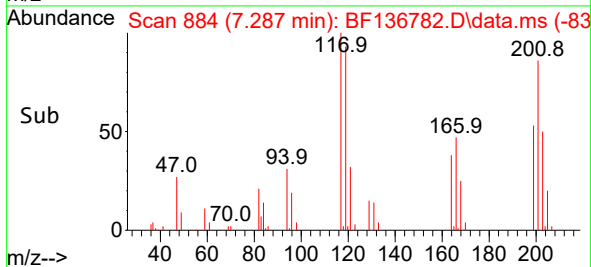
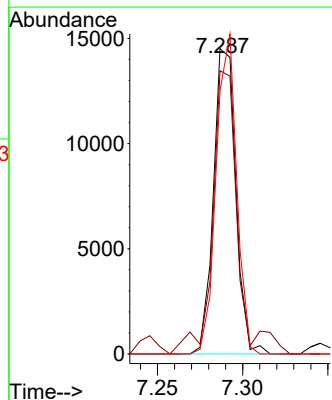
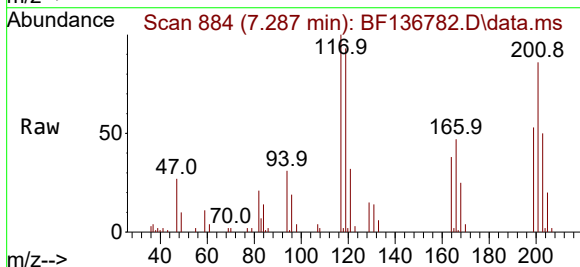
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

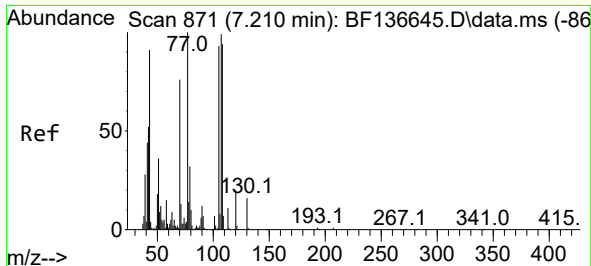
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 30189 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 110.5 | 90.3  | 135.5 |
| 77       | 43.0  | 38.7  | 58.1  |
| 79       | 43.3  | 37.8  | 56.6  |



#18  
Hexachloroethane  
Concen: 6.991 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 13292 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.7  | 75.8  | 113.6 |
| 201      | 86.2  | 69.1  | 103.7 |

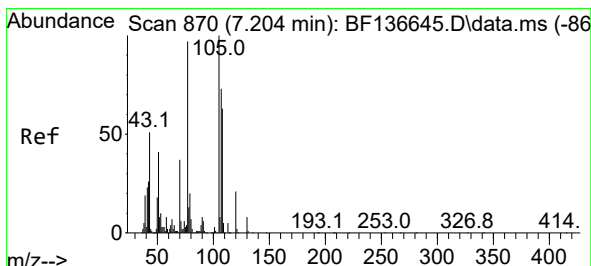
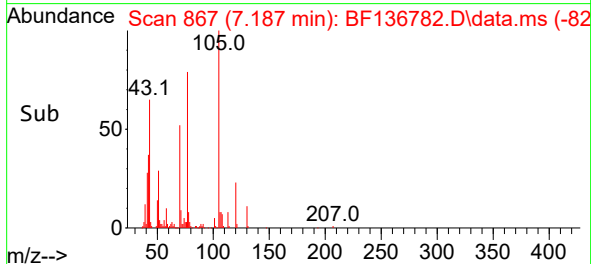
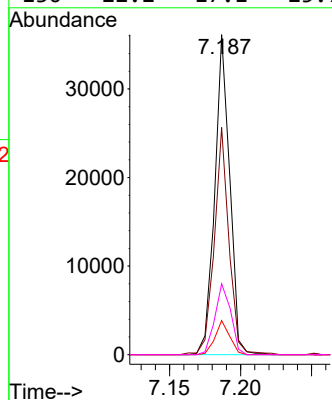
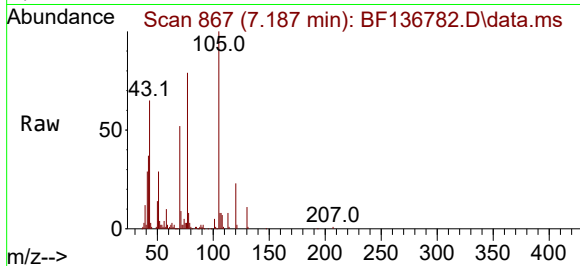




#19  
n-Nitroso-di-n-propylamine  
Concen: 7.842 ng  
RT: 7.187 min Scan# 867  
Delta R.T. -0.023 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

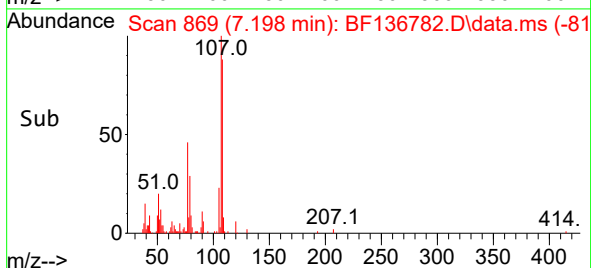
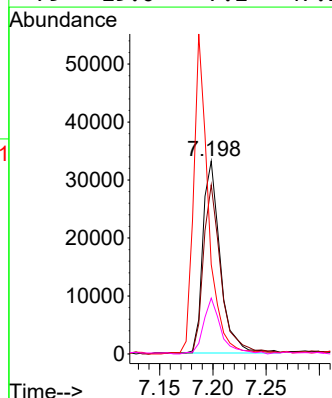
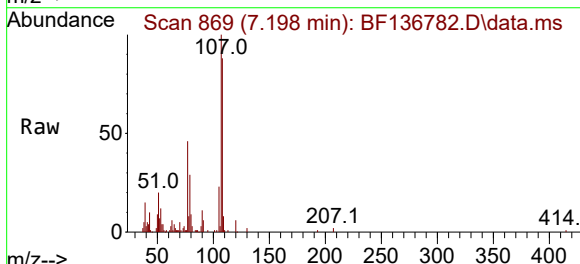
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

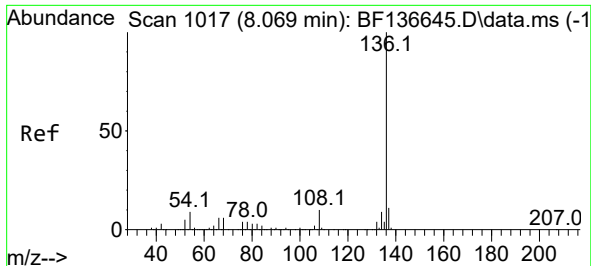
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 70    | Resp: | 26437 |
| Ion Ratio | Lower | Upper |       |
| 70        | 100   |       |       |
| 42        | 71.0  | 54.2  | 81.4  |
| 101       | 10.7  | 7.6   | 11.4  |
| 130       | 22.2  | 17.1  | 25.7  |



#20  
3+4-Methylphenols  
Concen: 7.772 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 37784  |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 87.7  | 66.0  | 106.0  |
| 77        | 46.4  | 114.2 | 154.2# |
| 79        | 29.0  | 7.2   | 47.2   |

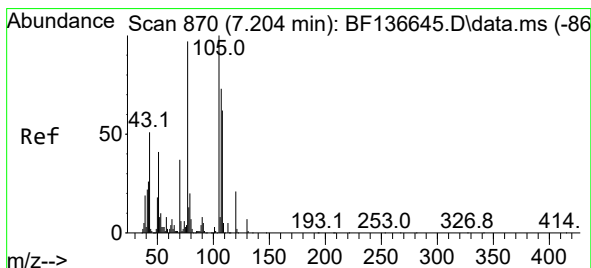
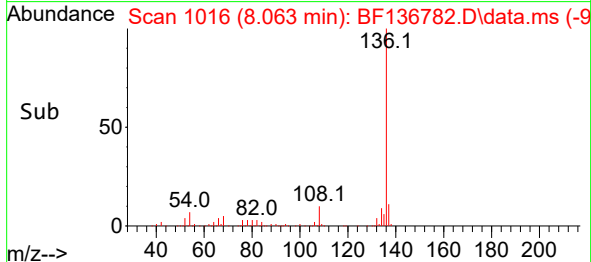
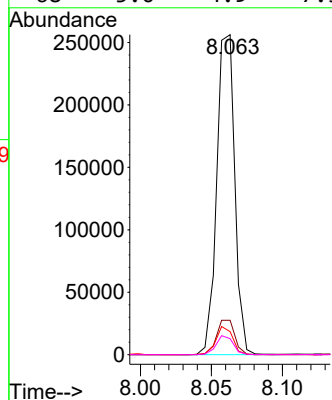
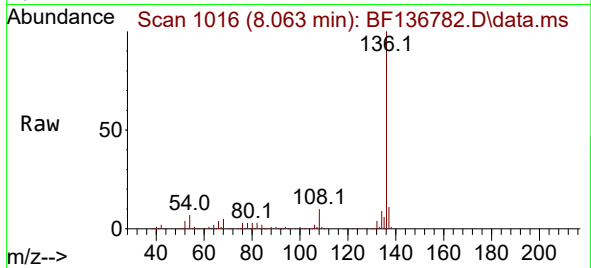




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.063 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

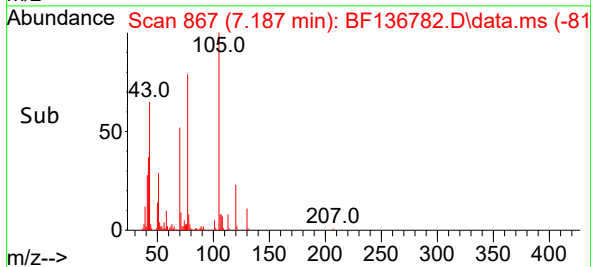
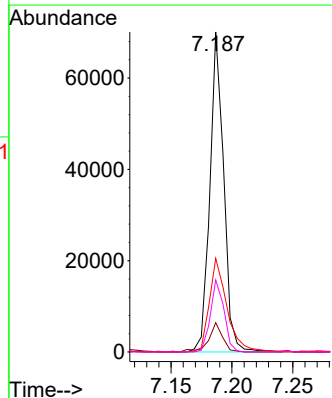
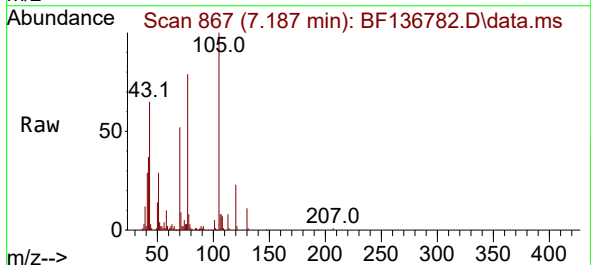
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

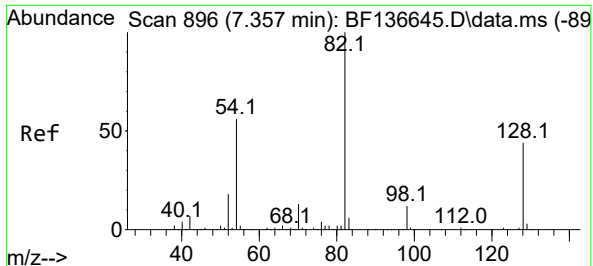
Tgt Ion:136 Resp: 225826  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.0 13.4  
54 7.2 7.2 10.8#  
68 5.0 4.9 7.3



#22  
Acetophenone  
Concen: 9.763 ng  
RT: 7.187 min Scan# 867  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:105 Resp: 55263  
Ion Ratio Lower Upper  
105 100  
71 9.1 4.8 7.2#  
51 29.2 32.8 49.2#  
120 22.5 17.0 25.6





#23

Nitrobenzene-d5

Concen: 11.492 ng

RT: 7.340 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

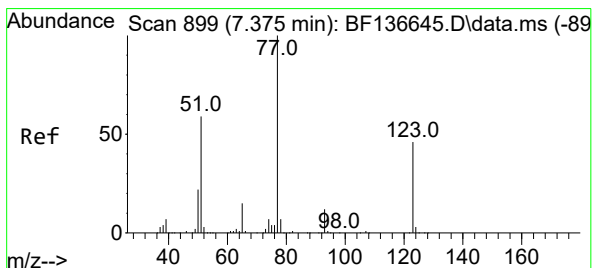
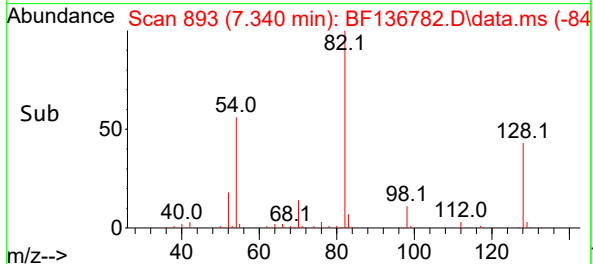
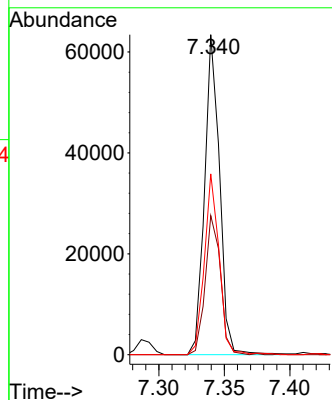
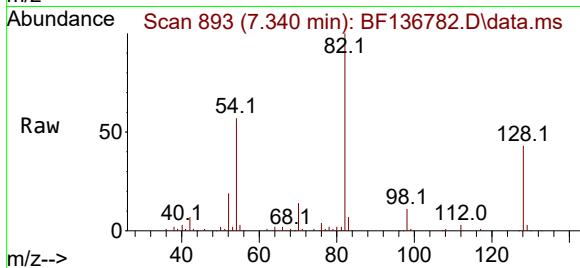
Tgt Ion: 82 Resp: 50716

Ion Ratio Lower Upper

82 100

128 43.4 35.3 52.9

54 56.5 44.5 66.7



#24

Nitrobenzene

Concen: 8.588 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

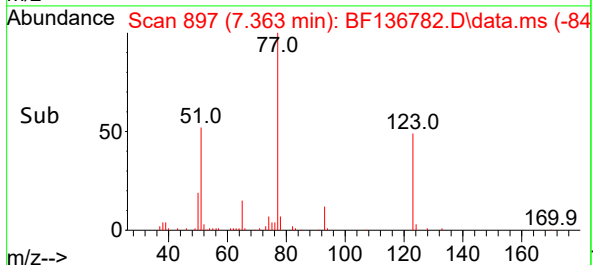
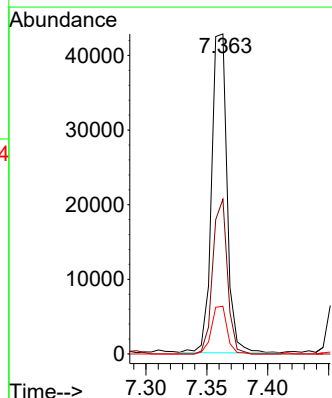
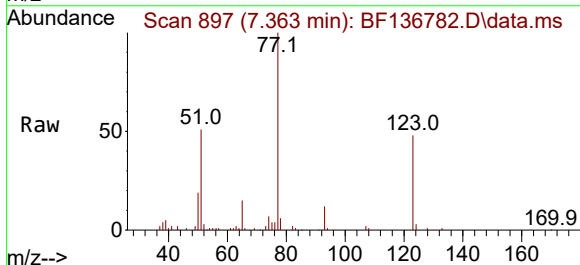
Tgt Ion: 77 Resp: 37965

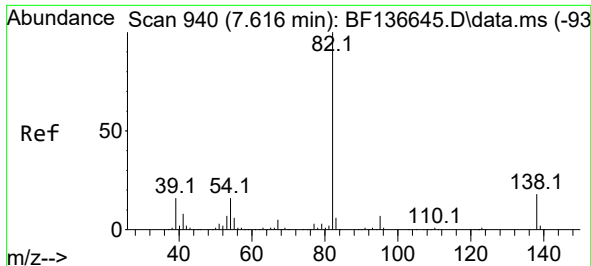
Ion Ratio Lower Upper

77 100

123 48.3 36.7 55.1

65 14.9 11.8 17.6

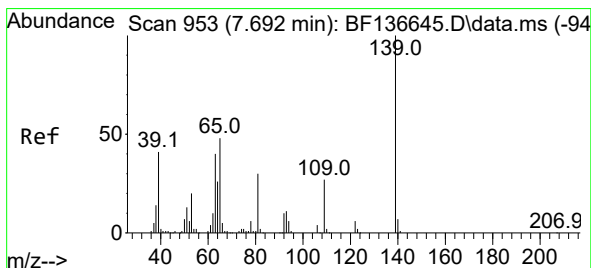
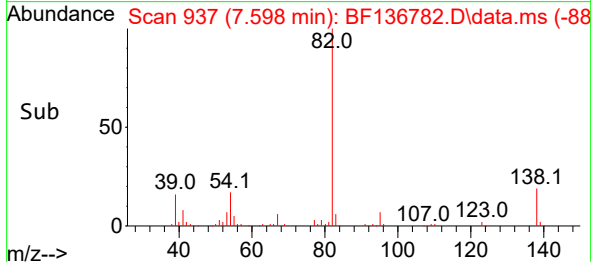
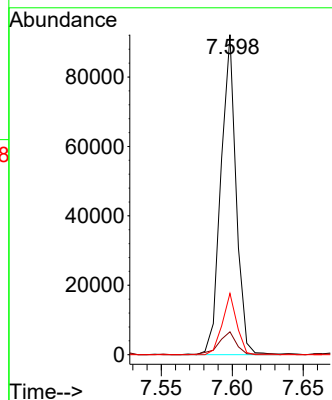
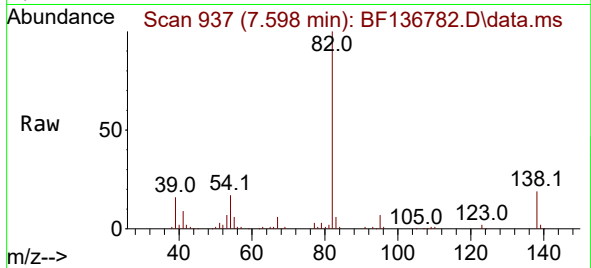




#25  
Isophorone  
Concen: 8.544 ng  
RT: 7.598 min Scan# 91  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

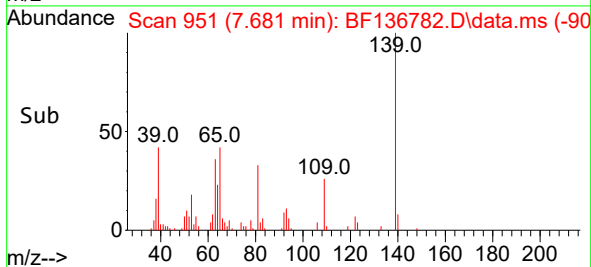
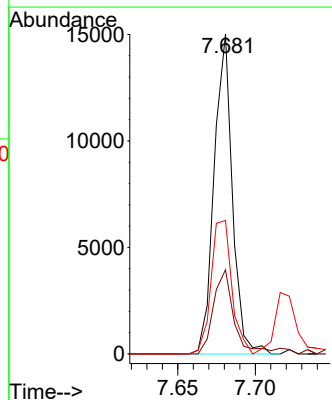
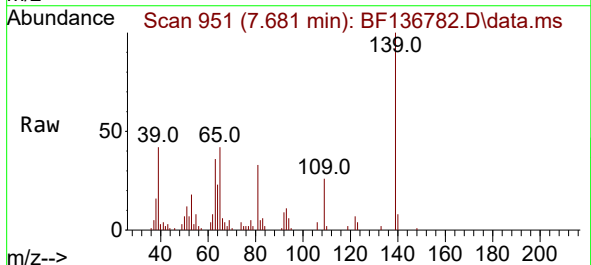
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

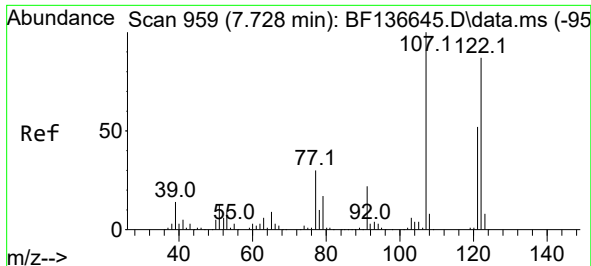
Tgt Ion: 82 Resp: 68608  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.5 8.3  
138 19.2 14.5 21.7



#26  
2-Nitrophenol  
Concen: 5.816 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 139 Resp: 12302  
Ion Ratio Lower Upper  
139 100  
109 26.3 21.9 32.9  
65 41.7 38.6 58.0

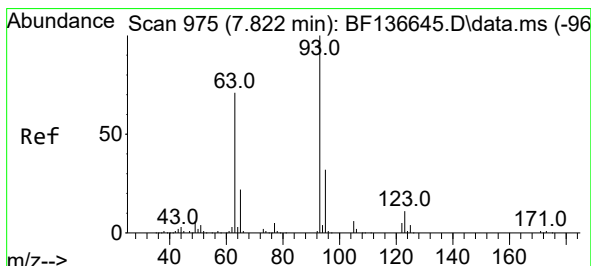
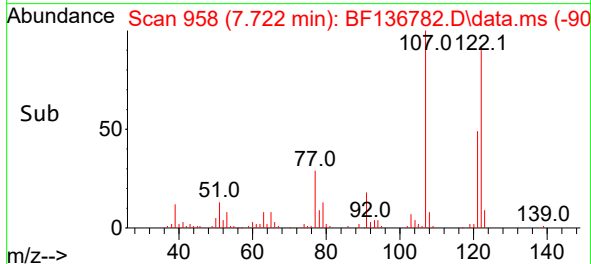
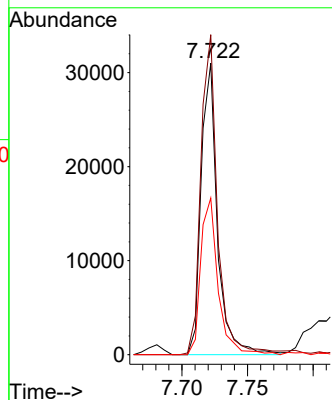
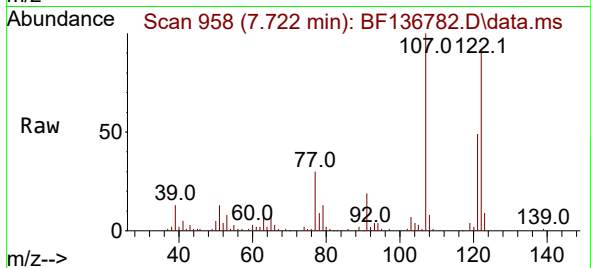




#27  
2,4-Dimethylphenol  
Concen: 10.432 ng  
RT: 7.722 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

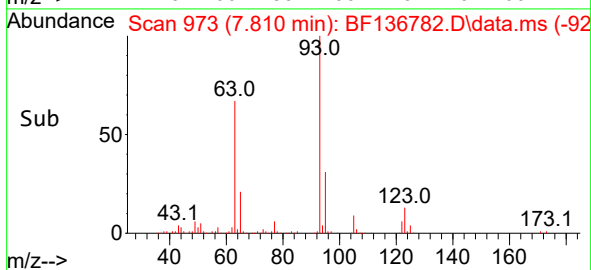
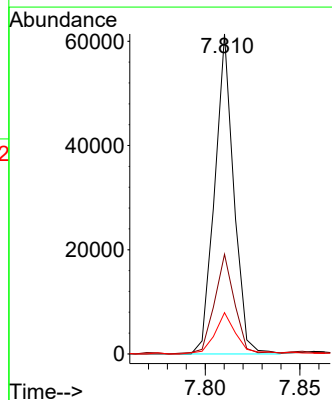
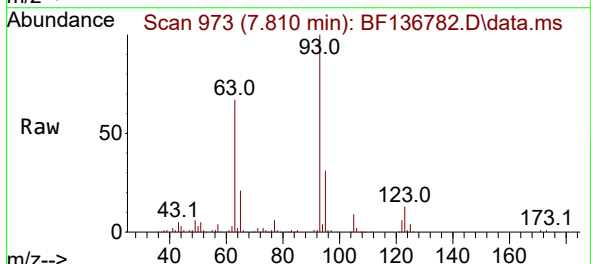
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

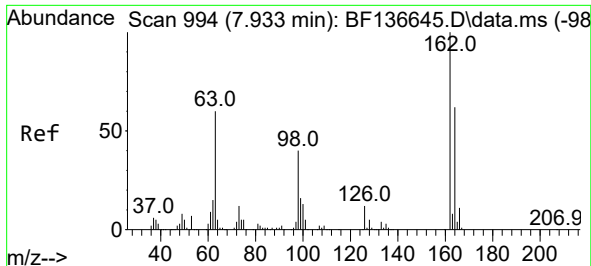
Tgt Ion:122 Resp: 26862  
Ion Ratio Lower Upper  
122 100  
107 109.8 92.0 138.0  
121 53.7 47.5 71.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 8.802 ng  
RT: 7.810 min Scan# 973  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 93 Resp: 42963  
Ion Ratio Lower Upper  
93 100  
95 31.2 25.5 38.3  
123 12.9 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 7.466 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

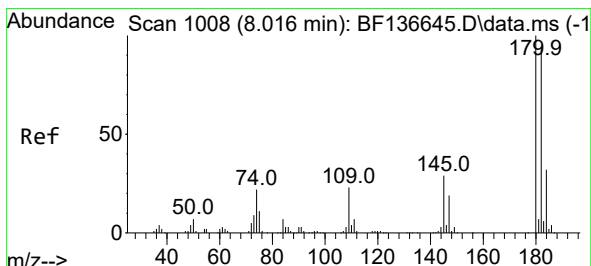
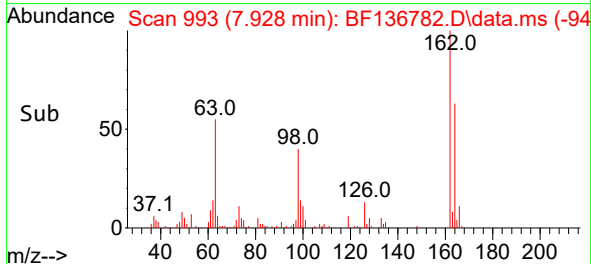
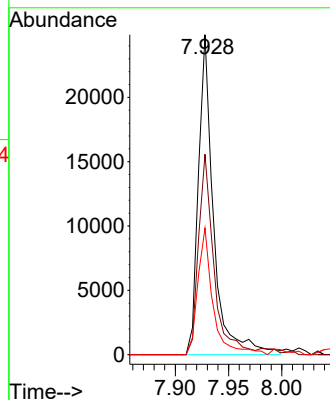
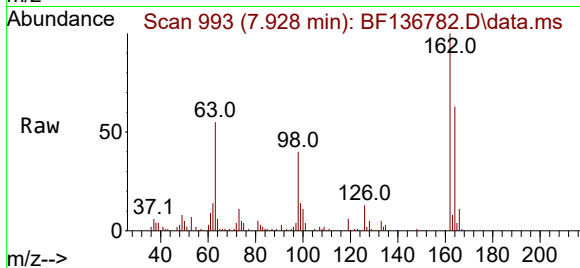
Tgt Ion:162 Resp: 24752

Ion Ratio Lower Upper

162 100

164 62.7 41.7 81.7

98 39.6 19.5 59.5



#30

1,2,4-Trichlorobenzene

Concen: 8.488 ng

RT: 8.004 min Scan# 1006

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

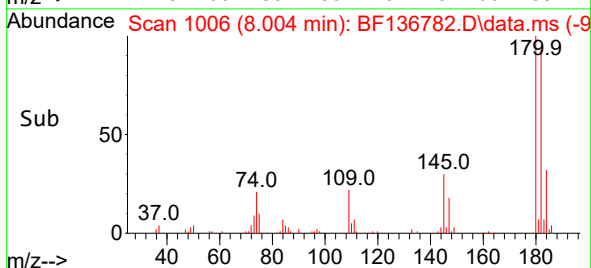
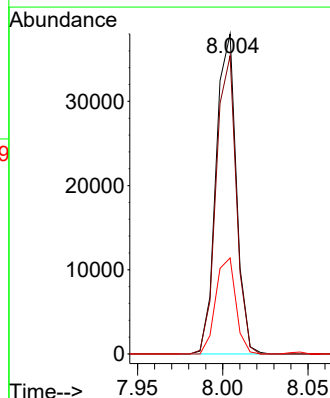
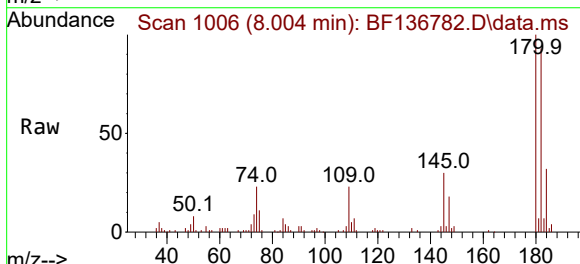
Tgt Ion:180 Resp: 31353

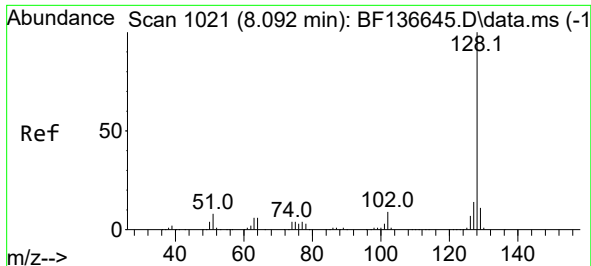
Ion Ratio Lower Upper

180 100

182 93.2 75.4 113.0

145 30.0 23.1 34.7

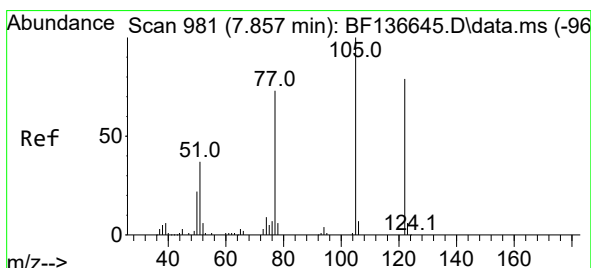
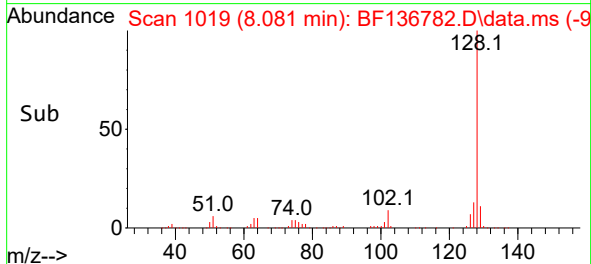
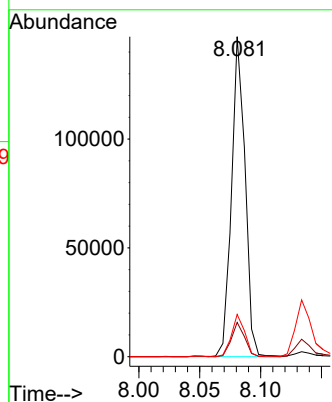
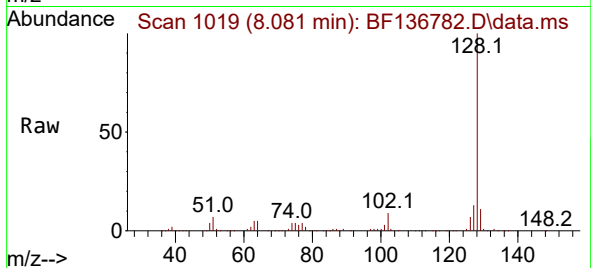




#31  
Naphthalene  
Concen: 9.158 ng  
RT: 8.081 min Scan# 1021  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

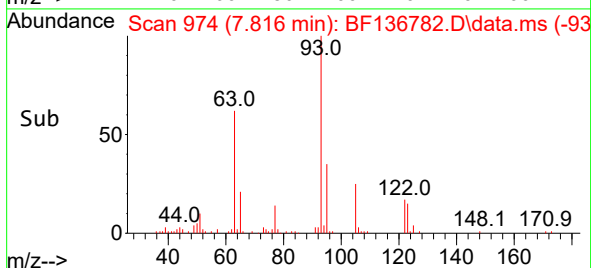
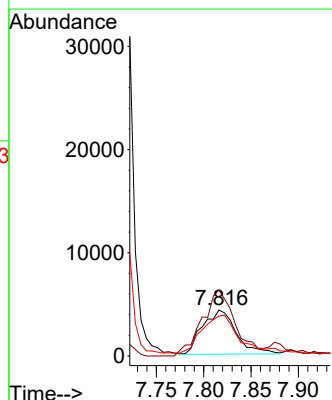
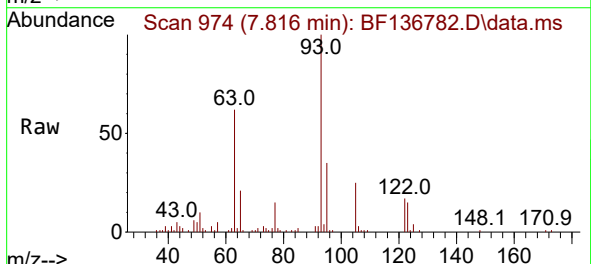
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

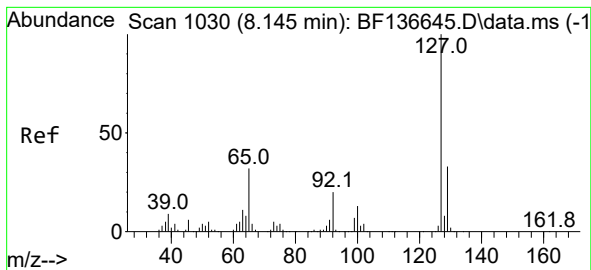
Tgt Ion:128 Resp: 113613  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.7 13.1  
127 13.2 10.8 16.2



#32  
Benzoic acid  
Concen: 4.244 ng  
RT: 7.816 min Scan# 974  
Delta R.T. -0.041 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:122 Resp: 10575  
Ion Ratio Lower Upper  
122 100  
105 143.5 100.8 140.8#  
77 86.6 70.9 110.9





#33

4-Chloroaniline

Concen: 5.745 ng

RT: 8.134 min Scan# 1030

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

Tgt Ion:127 Resp: 26316

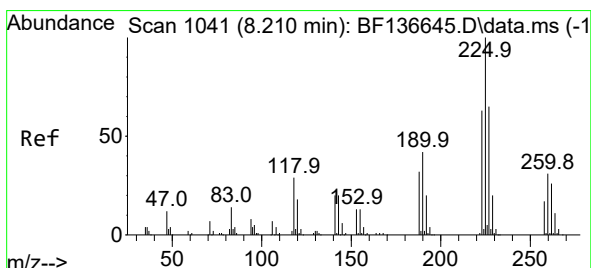
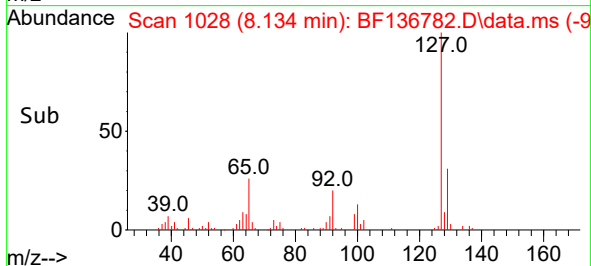
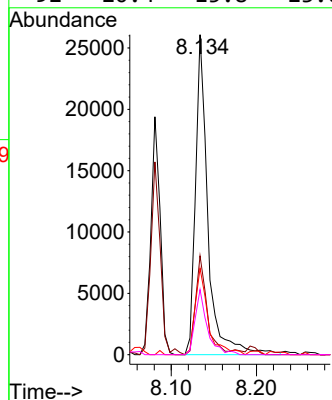
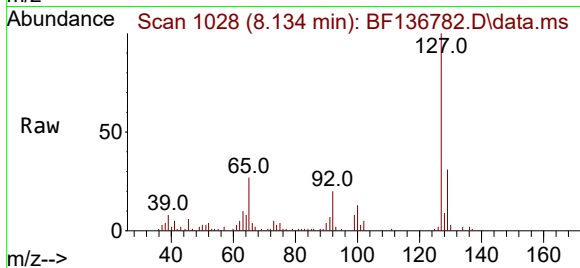
Ion Ratio Lower Upper

127 100

129 30.9 26.3 39.5

65 27.0 25.8 38.8

92 20.4 15.8 23.6



#34

Hexachlorobutadiene

Concen: 8.465 ng

RT: 8.198 min Scan# 1039

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

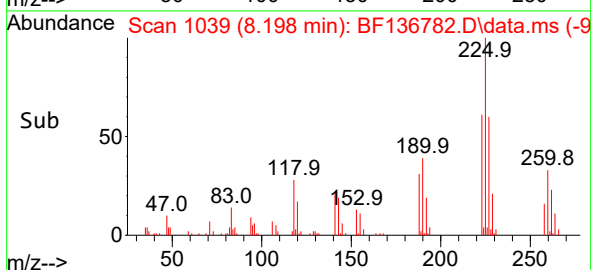
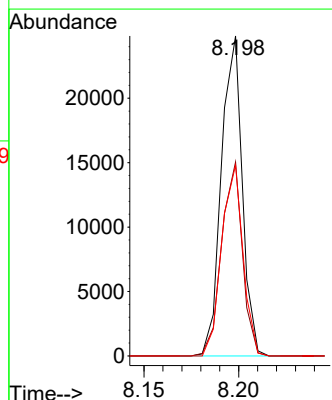
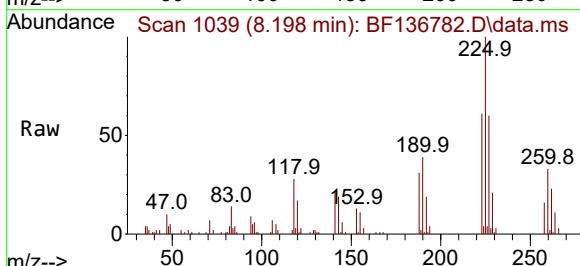
Tgt Ion:225 Resp: 18996

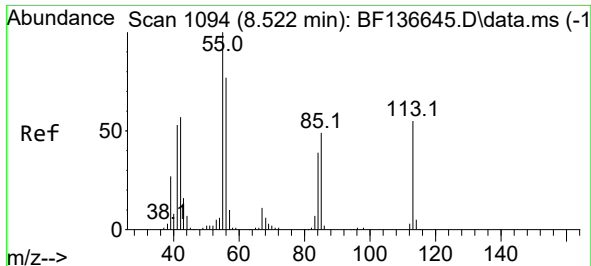
Ion Ratio Lower Upper

225 100

223 60.6 50.6 76.0

227 59.6 51.9 77.9

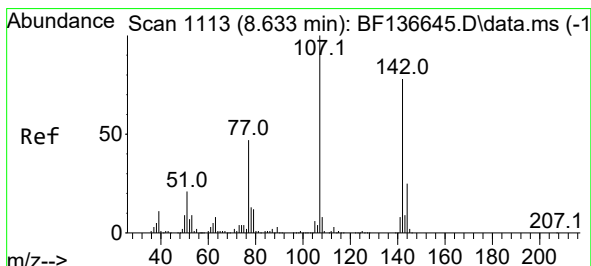
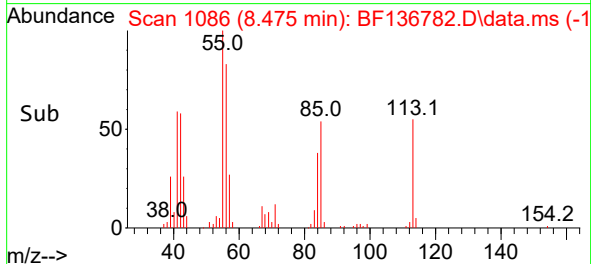
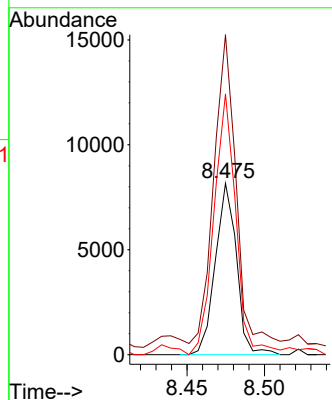
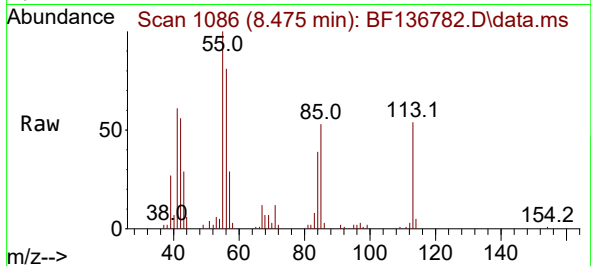




#35  
 Caprolactam  
 Concen: 7.088 ng  
 RT: 8.475 min Scan# 1086  
 Delta R.T. -0.047 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

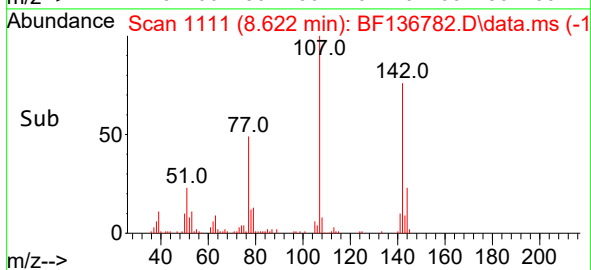
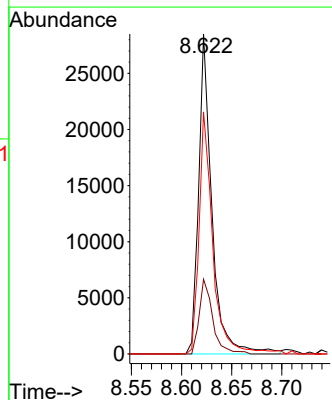
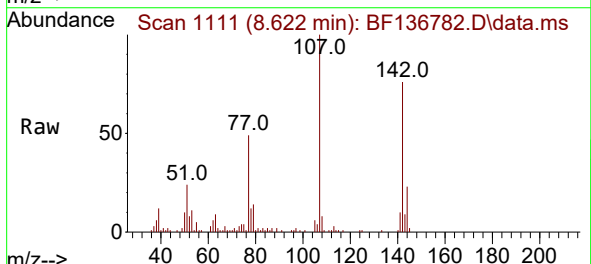
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-04-122023MS

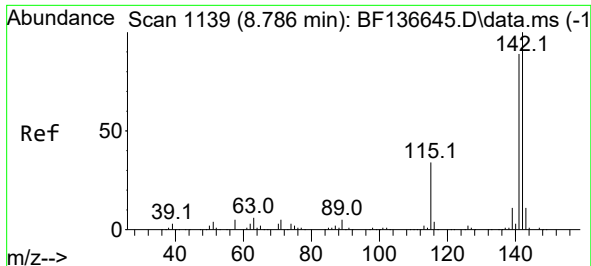
Tgt Ion:113 Resp: 7752  
 Ion Ratio Lower Upper  
 113 100  
 55 186.7 163.1 203.1  
 56 152.1 121.7 161.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 7.069 ng  
 RT: 8.622 min Scan# 1111  
 Delta R.T. -0.012 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

Tgt Ion:107 Resp: 26382  
 Ion Ratio Lower Upper  
 107 100  
 144 23.3 20.2 30.2  
 142 75.7 62.3 93.5

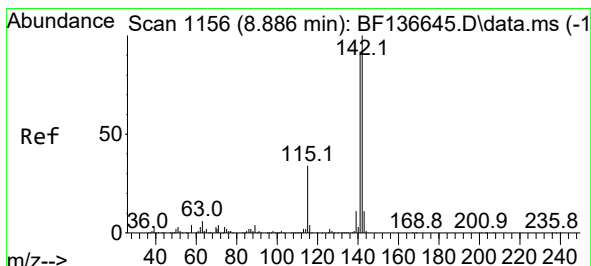
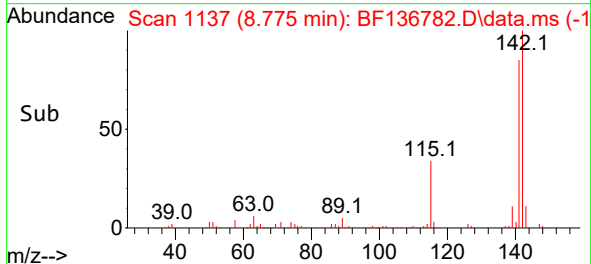
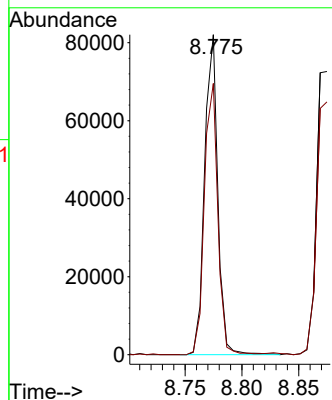
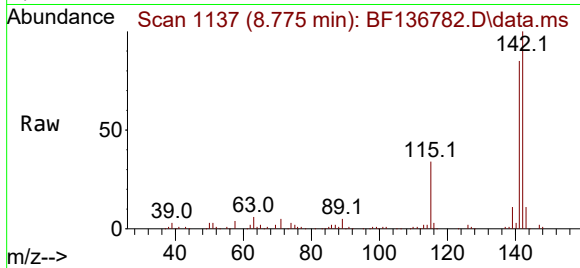




#37  
2-Methylnaphthalene  
Concen: 8.253 ng  
RT: 8.775 min Scan# 1137  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

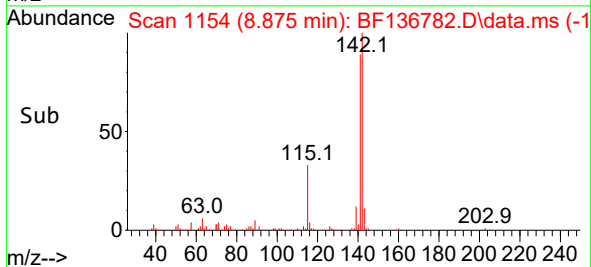
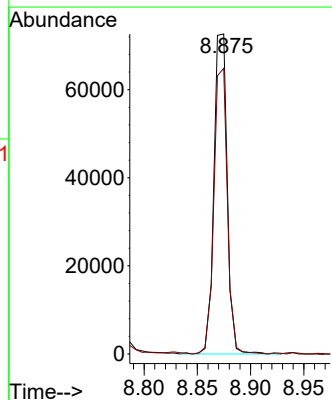
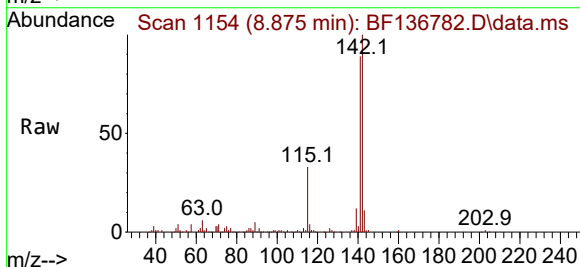
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

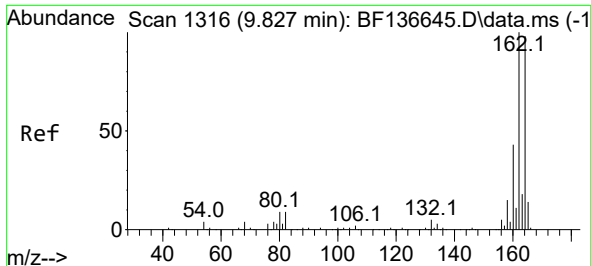
Tgt Ion:142 Resp: 65893  
Ion Ratio Lower Upper  
142 100  
141 84.8 71.1 106.7



#38  
1-Methylnaphthalene  
Concen: 8.113 ng  
RT: 8.875 min Scan# 1154  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:142 Resp: 63551  
Ion Ratio Lower Upper  
142 100  
141 89.3 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136782.D

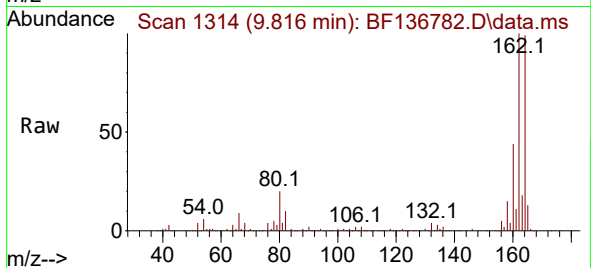
Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS



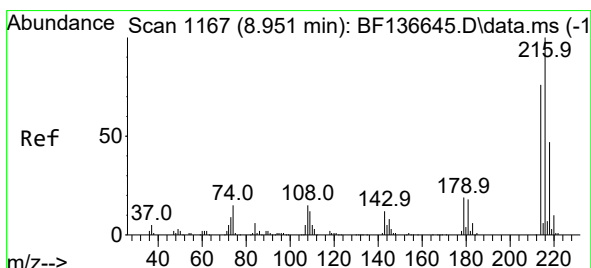
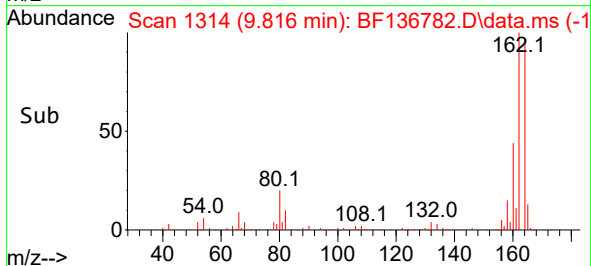
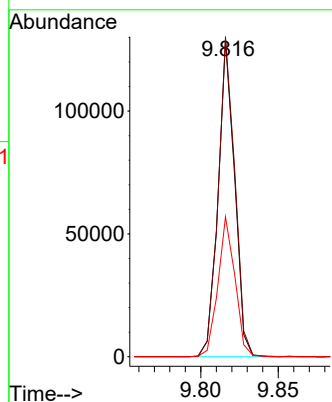
Tgt Ion:164 Resp: 95366

Ion Ratio Lower Upper

164 100

162 101.1 81.6 122.4

160 44.2 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 9.661 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Tgt Ion:216 Resp: 28534

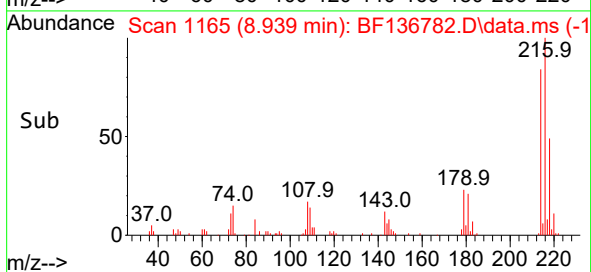
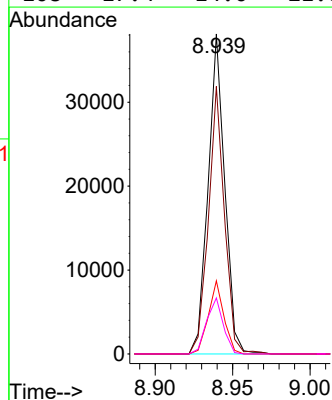
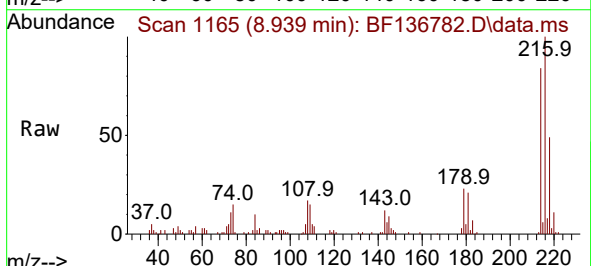
Ion Ratio Lower Upper

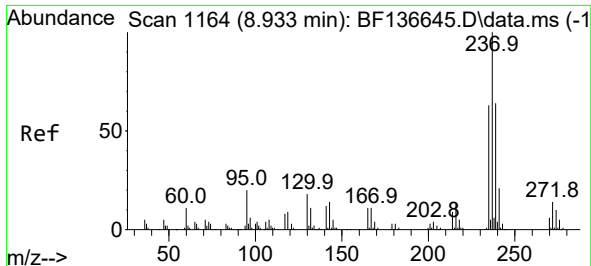
216 100

214 80.4 62.3 93.5

179 21.3 16.4 24.6

108 17.4 14.0 21.0

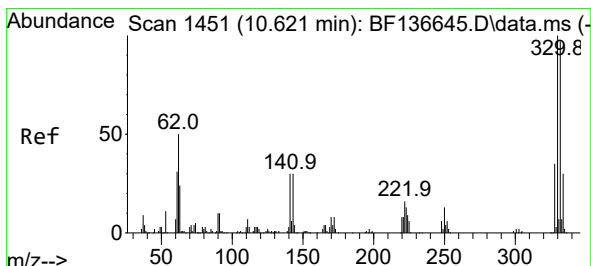
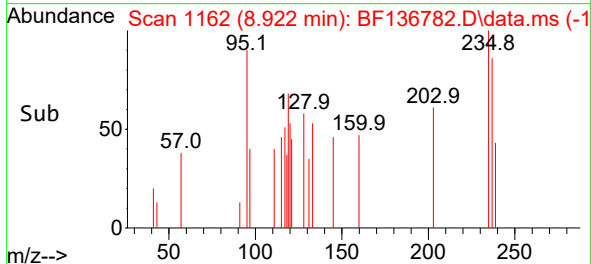
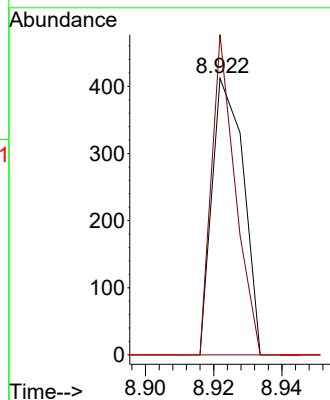
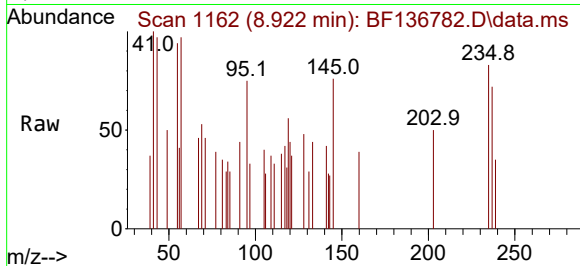




#41  
Hexachlorocyclopentadiene  
Concen: 5.159 ng  
RT: 8.922 min Scan# 1164  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

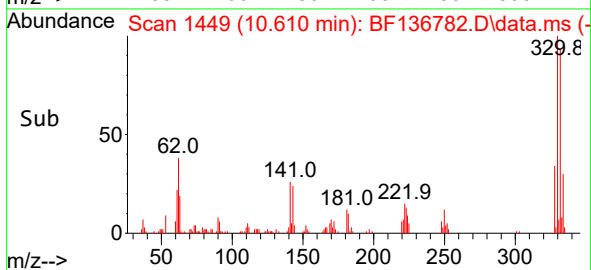
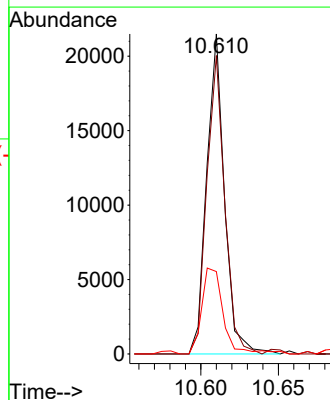
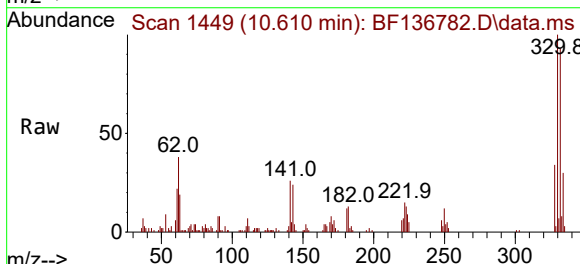
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

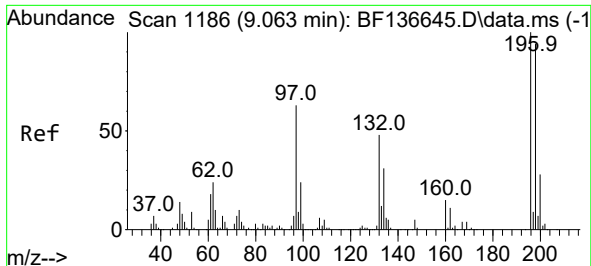
Tgt Ion:237 Resp: 262  
Ion Ratio Lower Upper  
237 100  
235 115.8 43.2 83.2#  
272 0.0 0.0 34.2



#42  
2,4,6-Tribromophenol  
Concen: 15.270 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:330 Resp: 17151  
Ion Ratio Lower Upper  
330 100  
332 93.6 77.4 116.0  
141 32.6 23.4 35.2

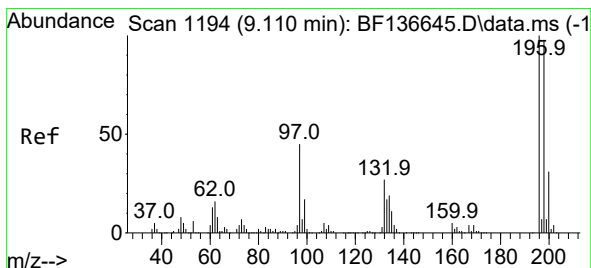
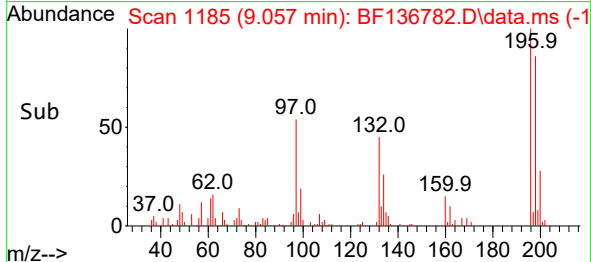
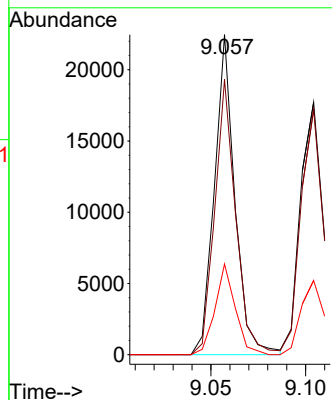
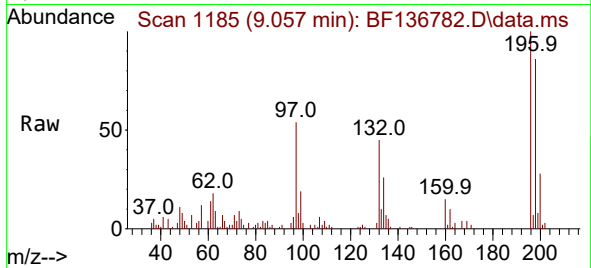




#43  
2,4,6-Trichlorophenol  
Concen: 8.933 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

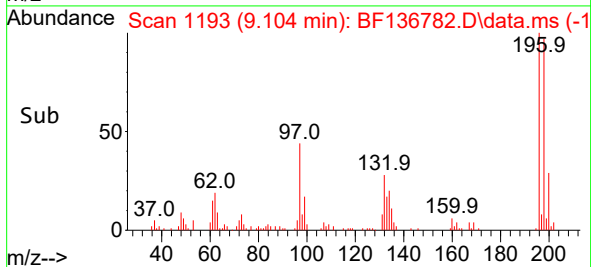
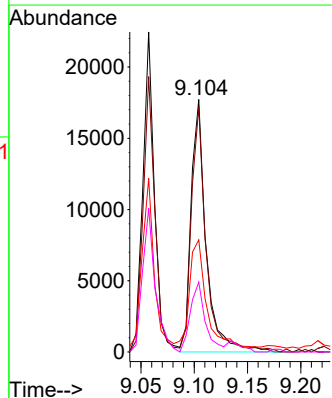
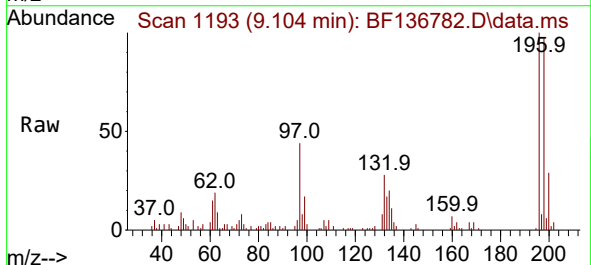
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

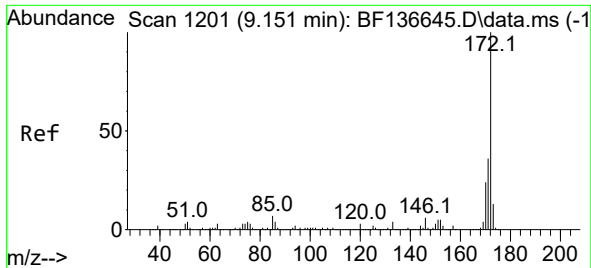
Tgt Ion:196 Resp: 16920  
Ion Ratio Lower Upper  
196 100  
198 86.1 75.1 112.7  
200 28.3 22.5 33.7



#44  
2,4,5-Trichlorophenol  
Concen: 8.222 ng  
RT: 9.104 min Scan# 1193  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:196 Resp: 17355  
Ion Ratio Lower Upper  
196 100  
198 97.1 77.0 115.6  
97 44.4 36.1 54.1  
132 27.7 21.8 32.6

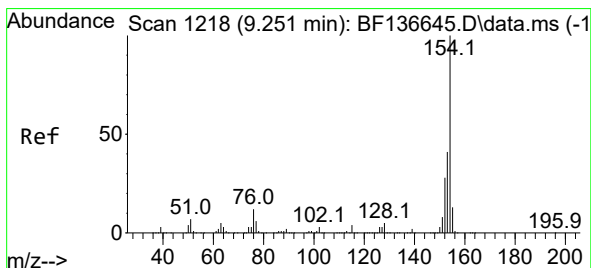
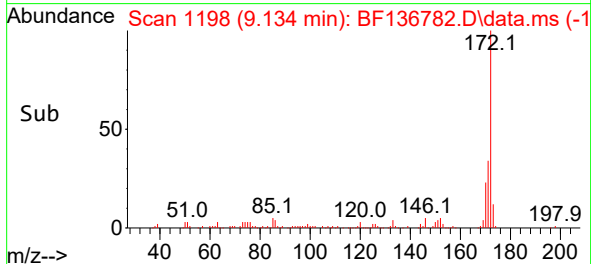
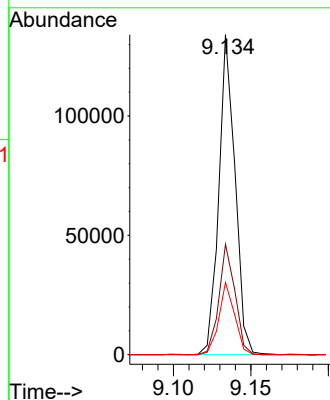
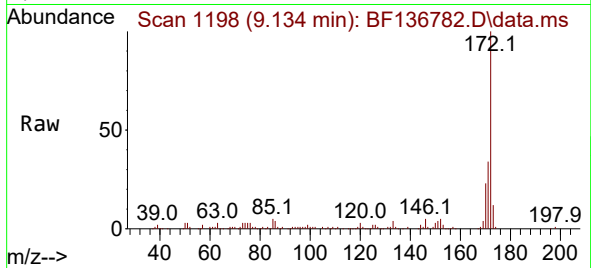




#45  
2-Fluorobiphenyl  
Concen: 13.759 ng  
RT: 9.134 min Scan# 1198  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

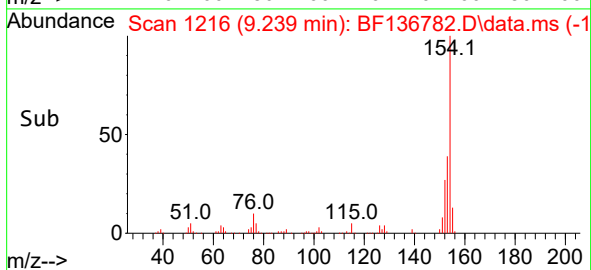
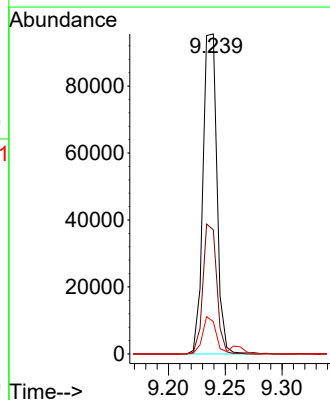
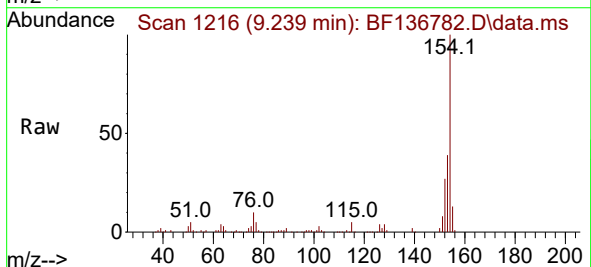
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

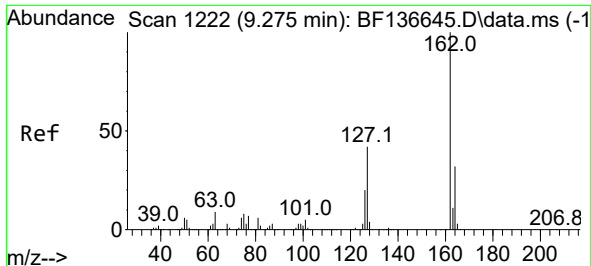
Tgt Ion:172 Resp: 97561  
Ion Ratio Lower Upper  
172 100  
171 34.5 29.0 43.6  
170 22.6 19.0 28.4



#46  
1,1'-Biphenyl  
Concen: 10.243 ng  
RT: 9.239 min Scan# 1216  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:154 Resp: 81971  
Ion Ratio Lower Upper  
154 100  
153 38.8 21.1 61.1  
76 10.1 0.0 31.7





#47

2-Chloronaphthalene

Concen: 9.059 ng

RT: 9.263 min Scan# 1220

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

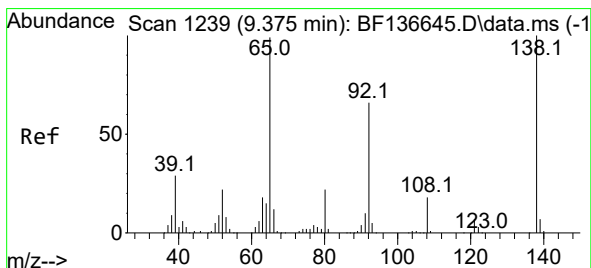
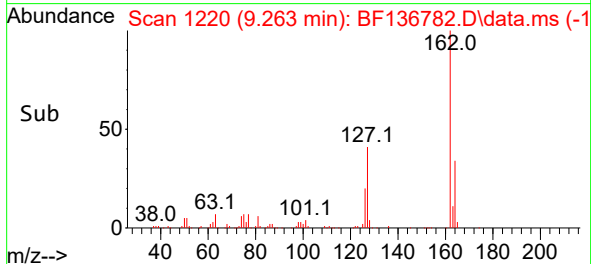
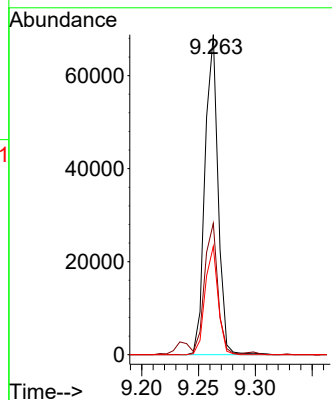
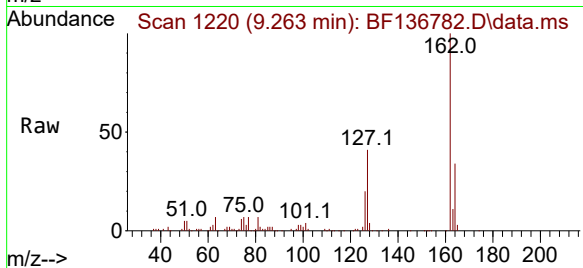
Tgt Ion:162 Resp: 55110

Ion Ratio Lower Upper

162 100

127 41.0 33.6 50.4

164 33.9 25.7 38.5



#48

2-Nitroaniline

Concen: 8.717 ng

RT: 9.363 min Scan# 1237

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

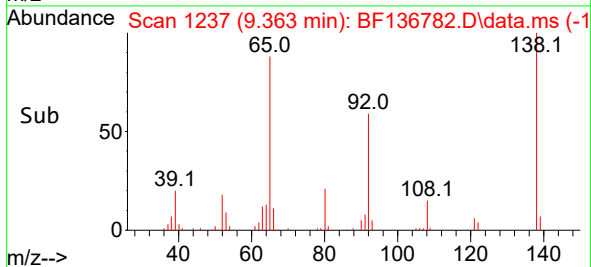
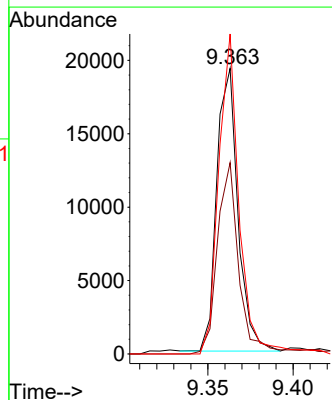
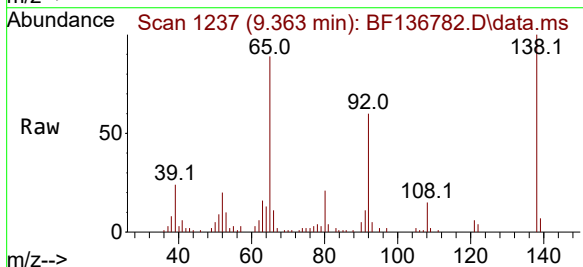
Tgt Ion: 65 Resp: 16606

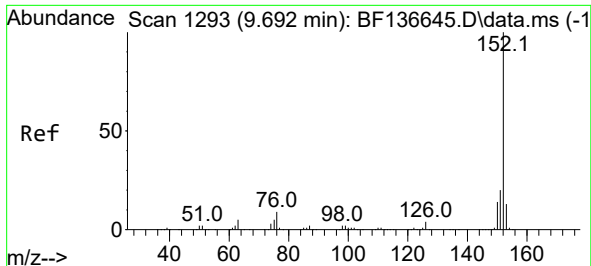
Ion Ratio Lower Upper

65 100

92 67.0 53.2 79.8

138 112.0 81.1 121.7





#49

Acenaphthylene

Concen: 10.599 ng

RT: 9.675 min Scan# 11

Delta R.T. -0.017 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

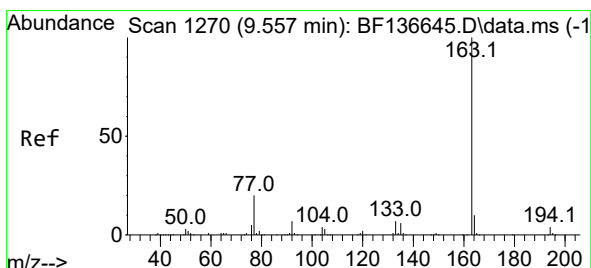
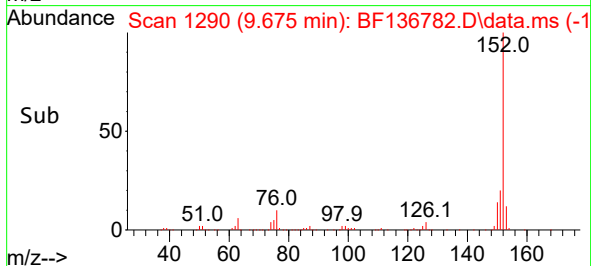
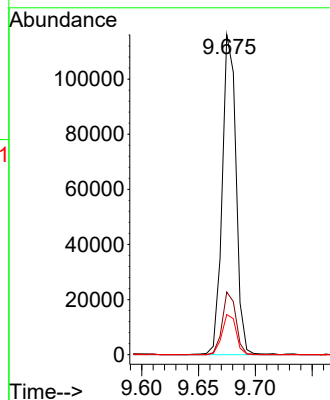
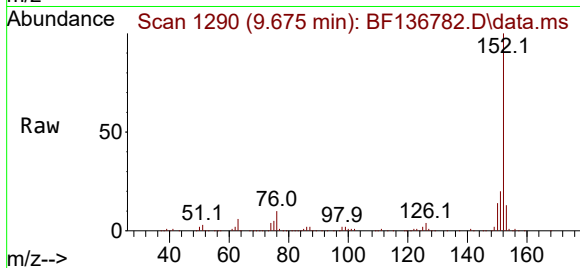
Tgt Ion:152 Resp: 98563

Ion Ratio Lower Upper

152 100

151 19.6 16.2 24.4

153 12.6 10.2 15.2



#50

Dimethylphthalate

Concen: 9.444 ng

RT: 9.534 min Scan# 1266

Delta R.T. -0.023 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

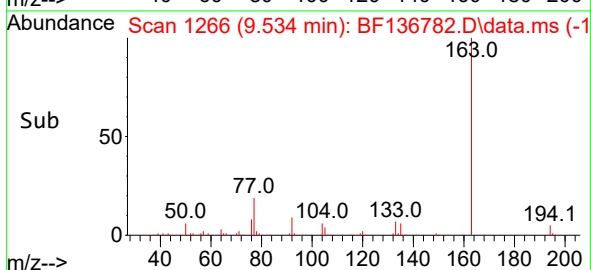
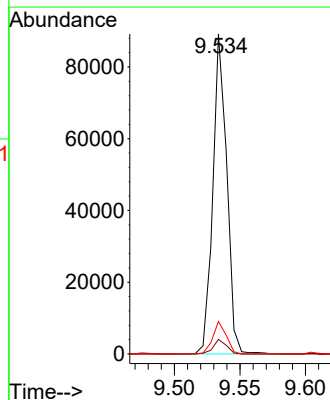
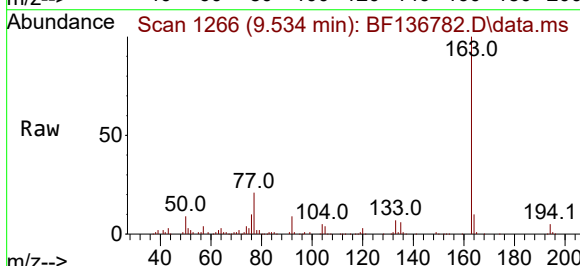
Tgt Ion:163 Resp: 65785

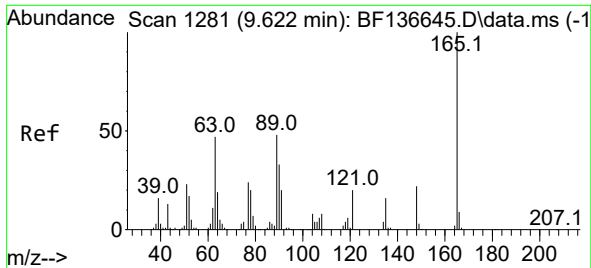
Ion Ratio Lower Upper

163 100

194 4.6 3.3 4.9

164 10.1 7.8 11.6

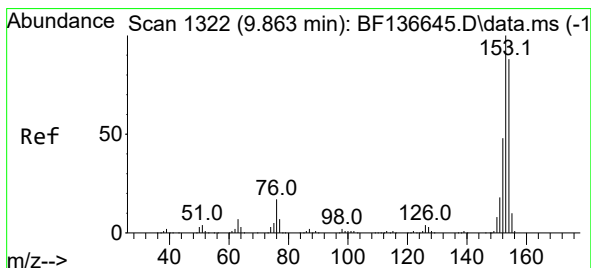
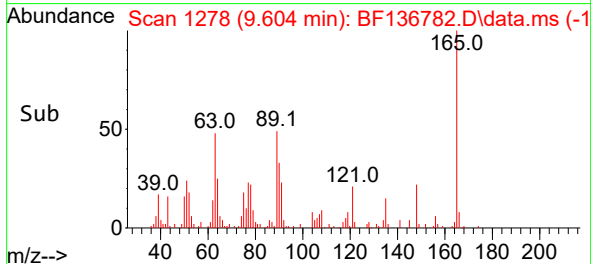
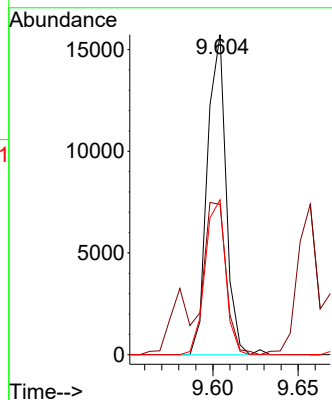
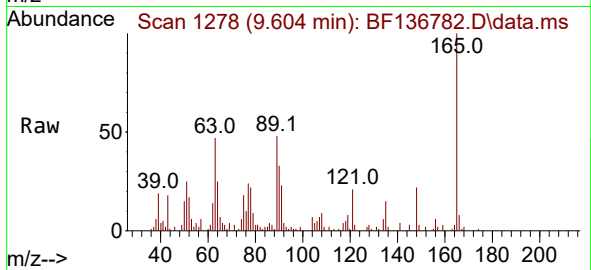




#51  
2,6-Dinitrotoluene  
Concen: 7.575 ng  
RT: 9.604 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

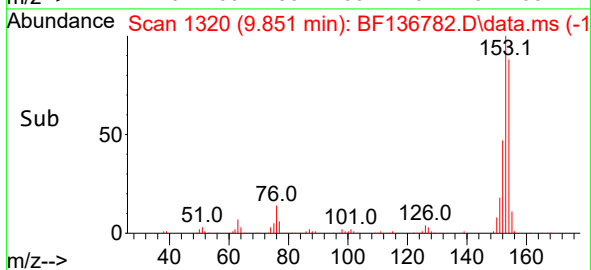
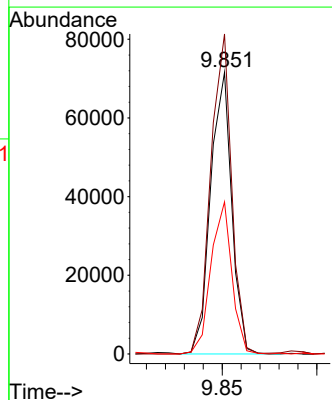
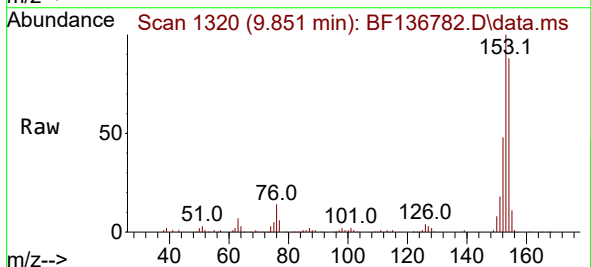
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

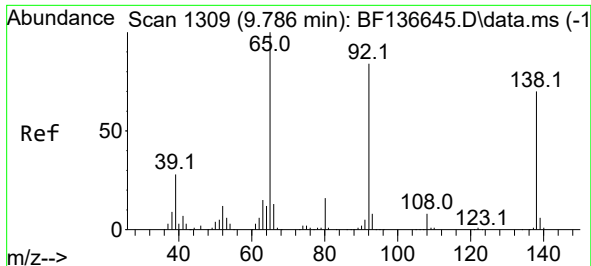
Tgt Ion:165 Resp: 11976  
Ion Ratio Lower Upper  
165 100  
63 47.0 39.8 59.6  
89 48.4 38.8 58.2



#52  
Acenaphthene  
Concen: 9.616 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:154 Resp: 55430  
Ion Ratio Lower Upper  
154 100  
153 113.6 90.7 136.1  
152 54.0 43.7 65.5

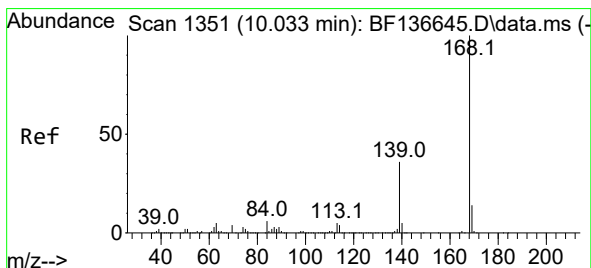
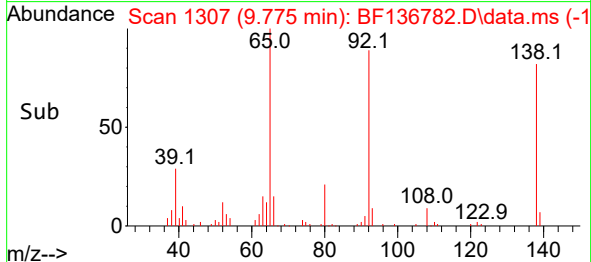
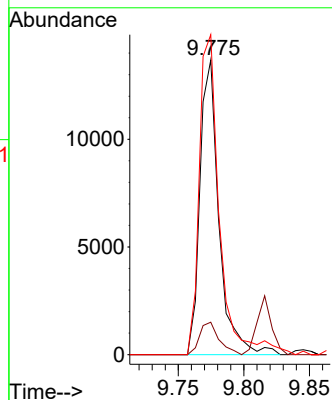
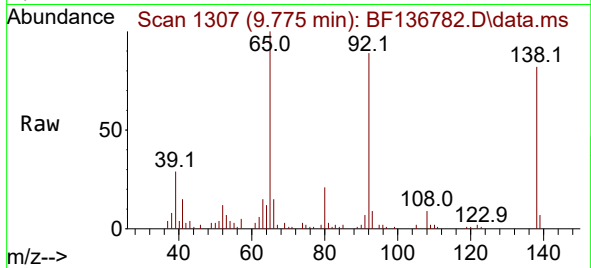




#53  
3-Nitroaniline  
Concen: 8.271 ng  
RT: 9.775 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

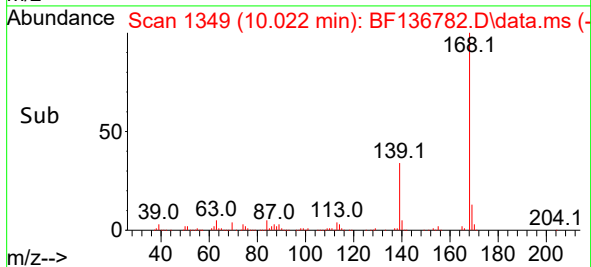
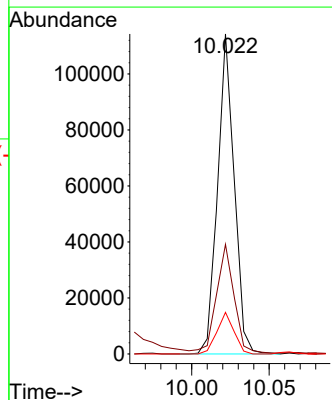
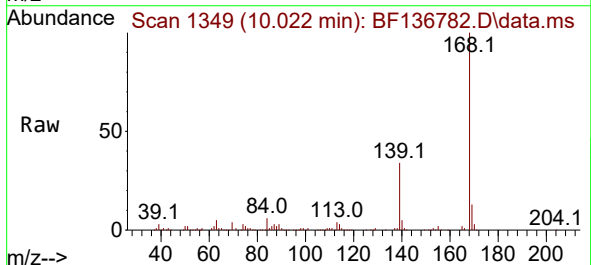
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

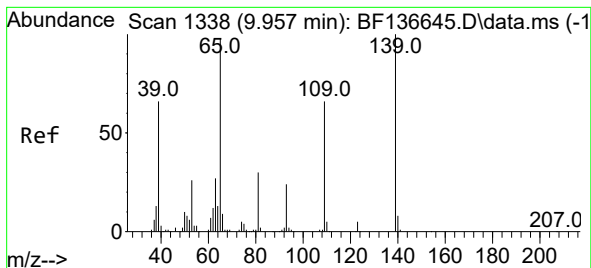
Tgt Ion:138 Resp: 13851  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.6 12.8  
92 108.6 95.2 142.8



#55  
Dibenzofuran  
Concen: 9.758 ng  
RT: 10.022 min Scan# 1349  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:168 Resp: 85264  
Ion Ratio Lower Upper  
168 100  
139 34.2 29.3 43.9  
169 13.0 11.0 16.4





#56

4-Nitrophenol

Concen: 13.831 ng

RT: 9.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

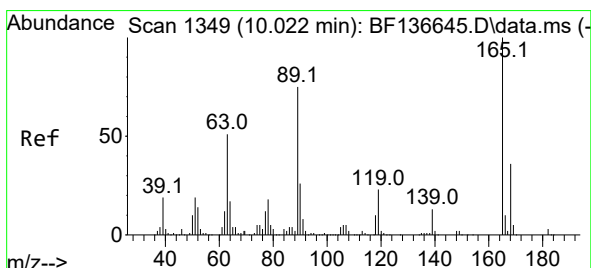
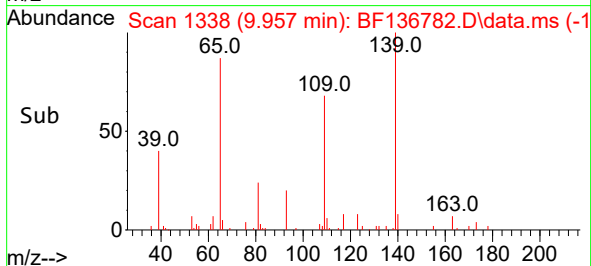
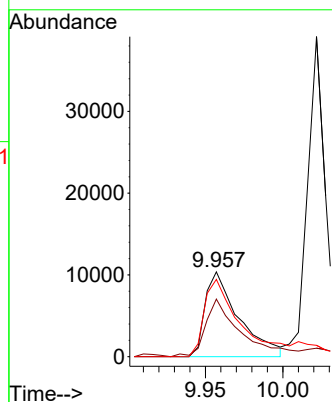
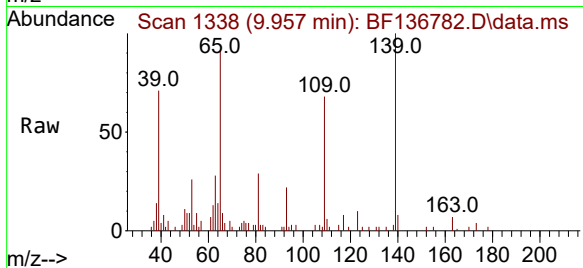
Tgt Ion:139 Resp: 15636

Ion Ratio Lower Upper

139 100

109 68.0 45.8 85.8

65 91.2 77.8 117.8



#57

2,4-Dinitrotoluene

Concen: 7.210 ng

RT: 10.010 min Scan# 1347

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Tgt Ion:165 Resp: 14798

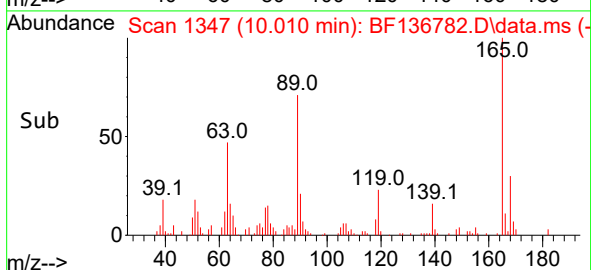
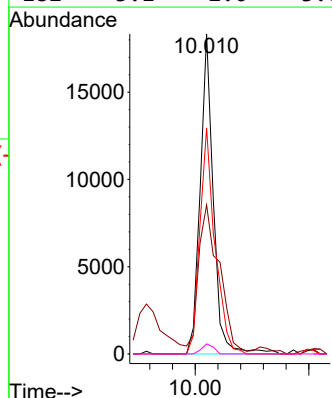
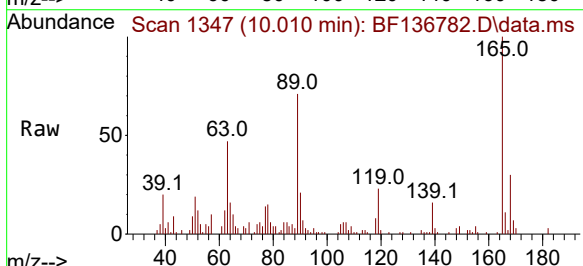
Ion Ratio Lower Upper

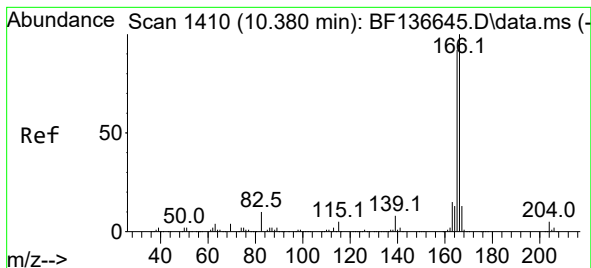
165 100

63 46.6 41.0 61.6

89 70.6 59.9 89.9

182 3.1 2.0 3.0#





#58

Fluorene

Concen: 10.880 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

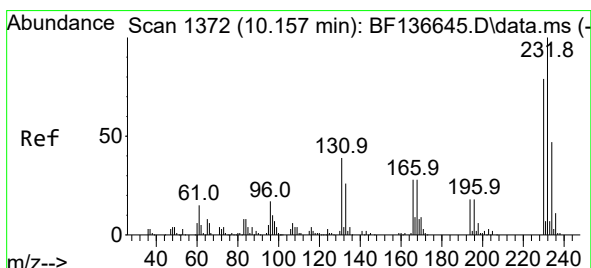
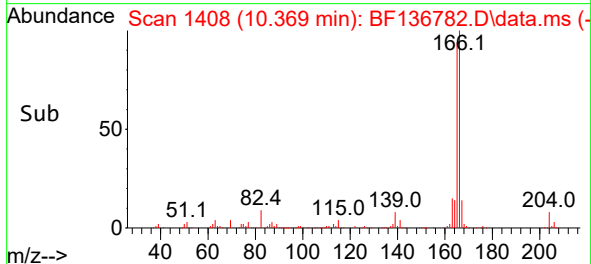
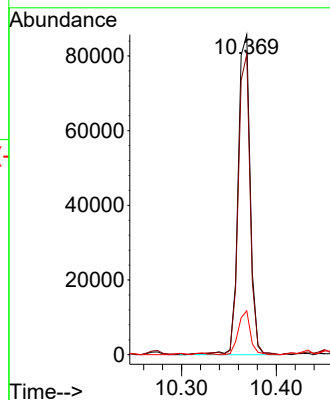
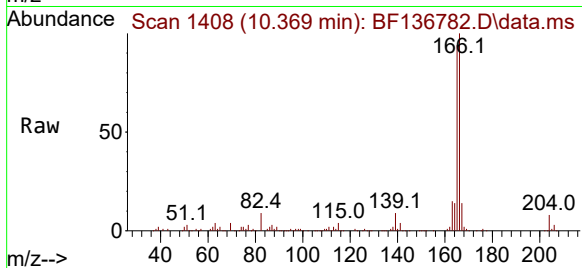
Tgt Ion:166 Resp: 75434

Ion Ratio Lower Upper

166 100

165 93.8 73.7 110.5

167 13.7 10.4 15.6



#59

2,3,4,6-Tetrachlorophenol

Concen: 7.500 ng

RT: 10.104 min Scan# 1363

Delta R.T. -0.053 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Tgt Ion:232 Resp: 12186

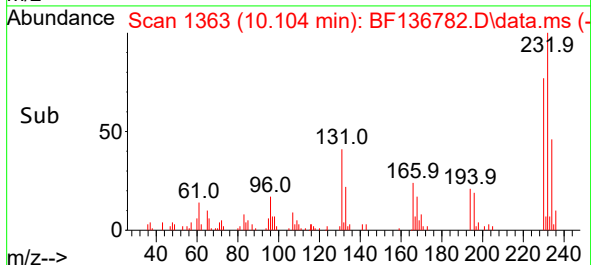
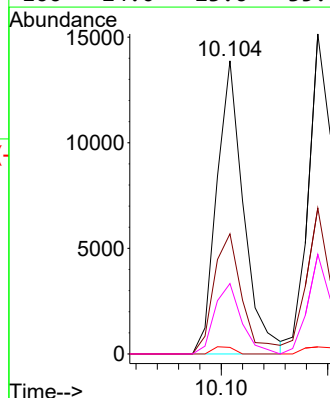
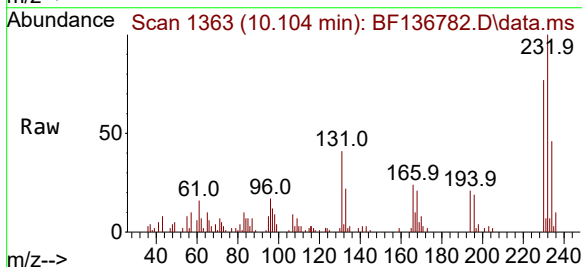
Ion Ratio Lower Upper

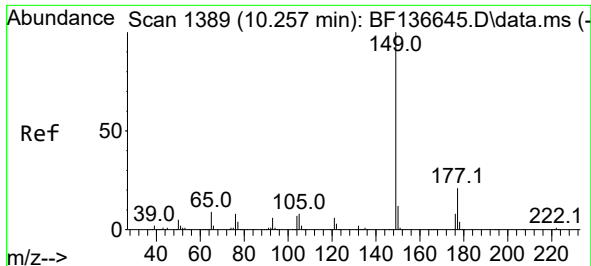
232 100

131 43.4 35.1 52.7

130 1.9 1.6 2.4

166 24.0 23.6 35.4

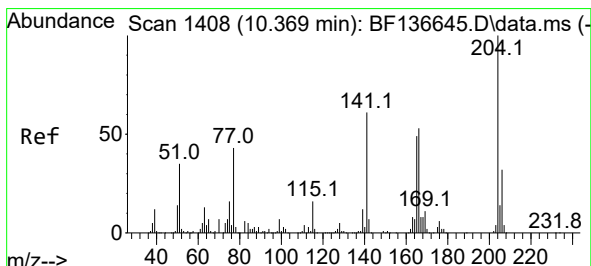
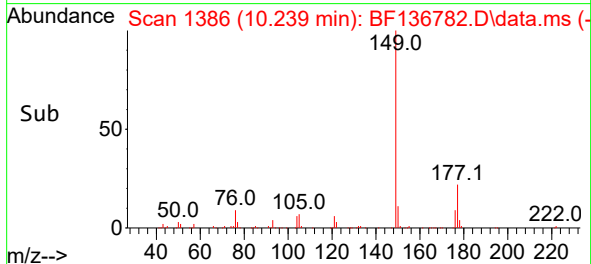
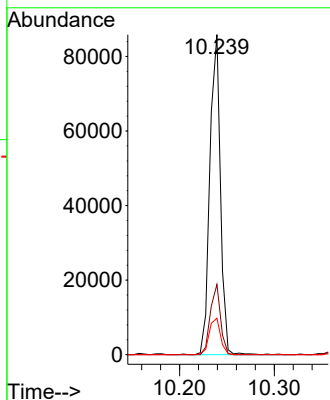
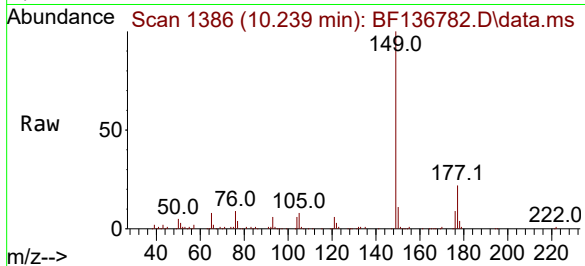




#60  
Diethylphthalate  
Concen: 9.160 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.017 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

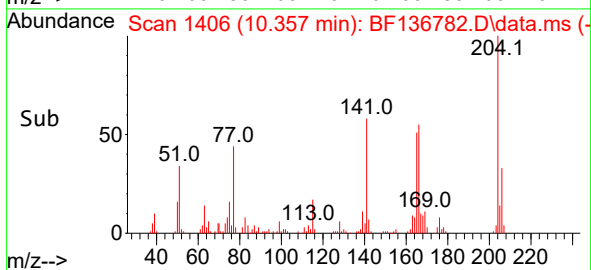
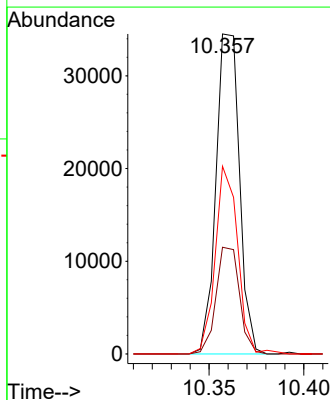
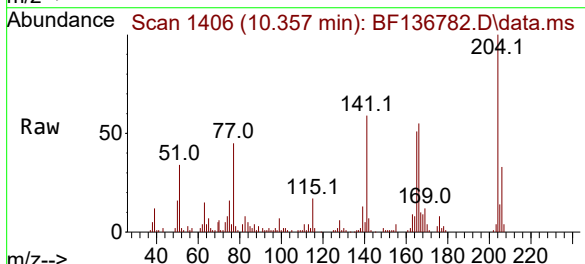
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

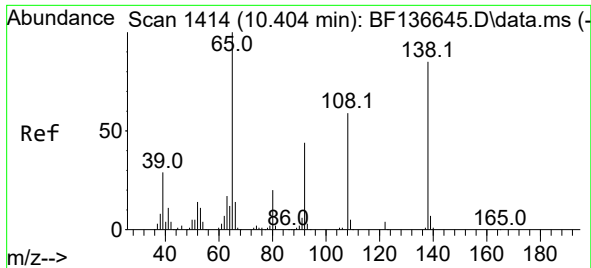
Tgt Ion:149 Resp: 66203  
Ion Ratio Lower Upper  
149 100  
177 21.9 16.9 25.3  
150 11.4 9.3 13.9



#61  
4-Chlorophenyl-phenylether  
Concen: 8.867 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:204 Resp: 29882  
Ion Ratio Lower Upper  
204 100  
206 33.4 25.6 38.4  
141 58.6 48.4 72.6

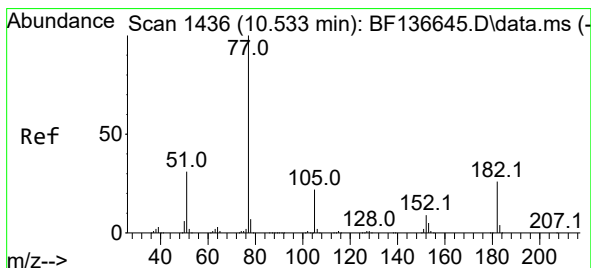
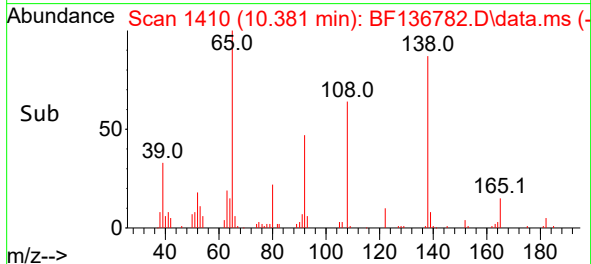
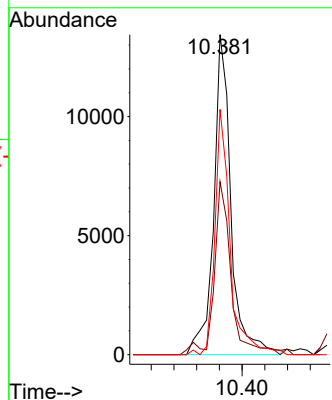
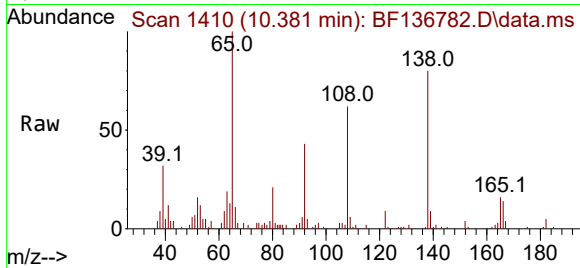




#62  
4-Nitroaniline  
Concen: 8.794 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. -0.023 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

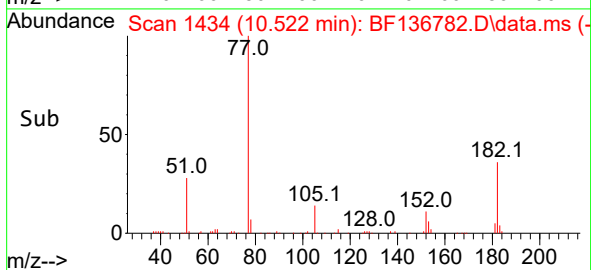
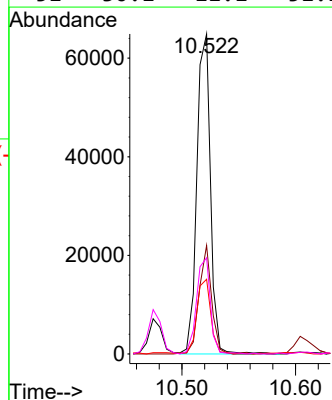
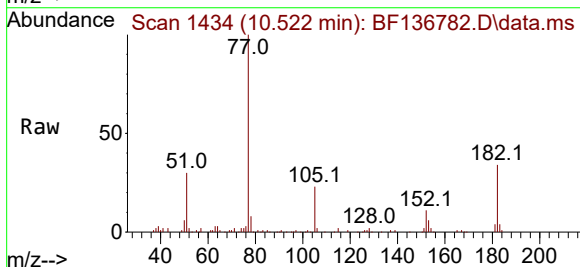
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

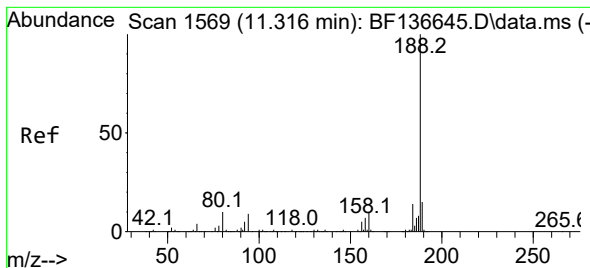
Tgt Ion:138 Resp: 14197  
Ion Ratio Lower Upper  
138 100  
92 54.0 32.1 72.1  
108 76.7 50.1 90.1



#63  
Azobenzene  
Concen: 8.036 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion: 77 Resp: 54249  
Ion Ratio Lower Upper  
77 100  
182 33.9 6.0 46.0  
105 23.4 2.3 42.3  
51 30.1 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

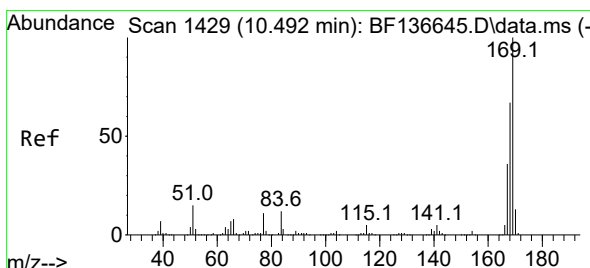
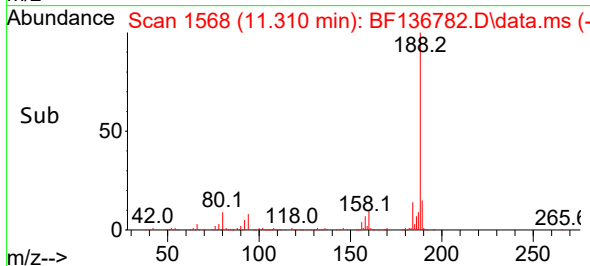
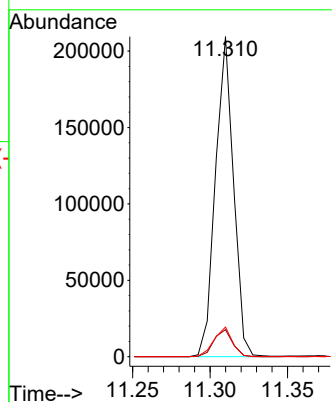
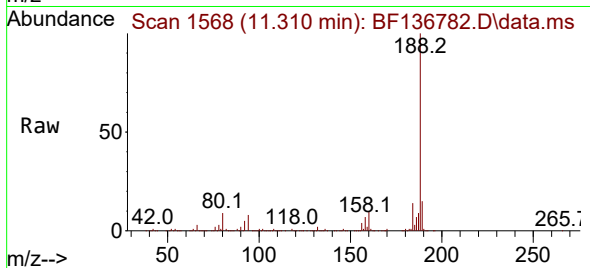
Tgt Ion:188 Resp: 170036

Ion Ratio Lower Upper

188 100

94 8.4 7.5 11.3

80 9.2 8.1 12.1



#66

n-Nitrosodiphenylamine

Concen: 9.671 ng

RT: 10.475 min Scan# 1426

Delta R.T. -0.017 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

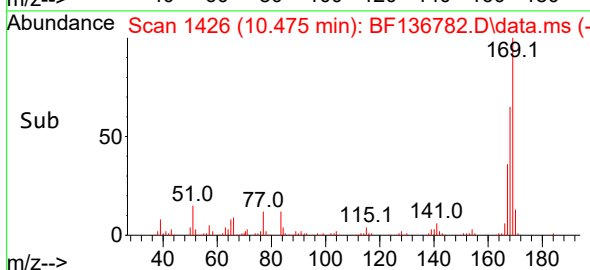
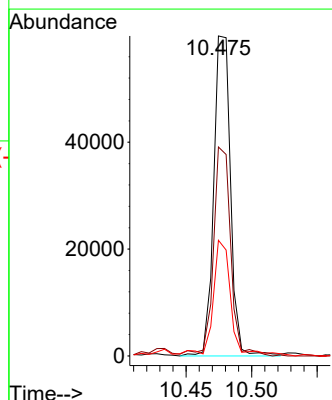
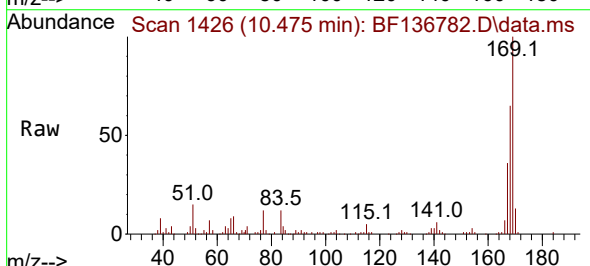
Tgt Ion:169 Resp: 53417

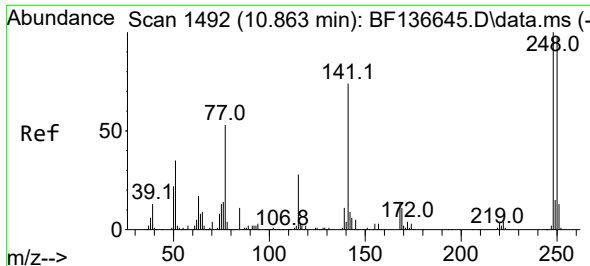
Ion Ratio Lower Upper

169 100

168 65.3 53.8 80.6

167 36.2 28.7 43.1

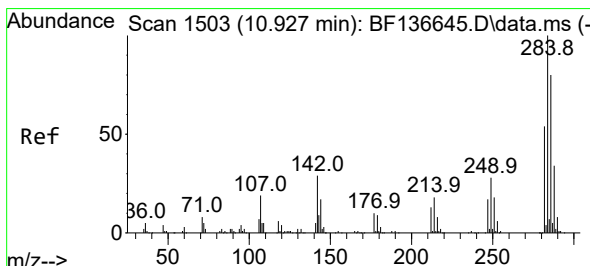
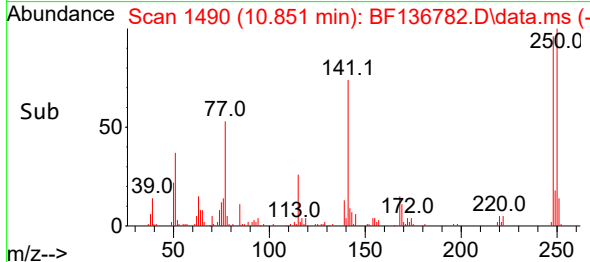
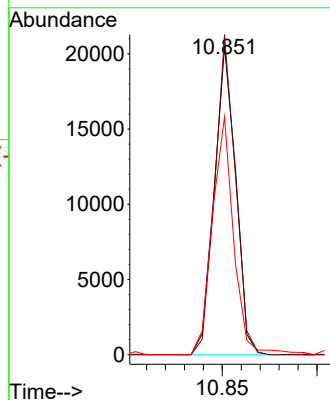
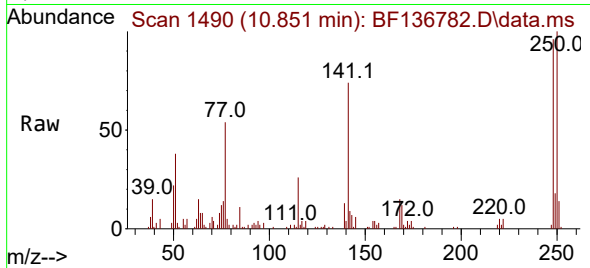




#67  
4-Bromophenyl-phenylether  
Concen: 8.576 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

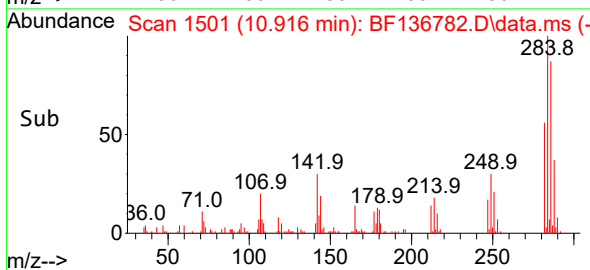
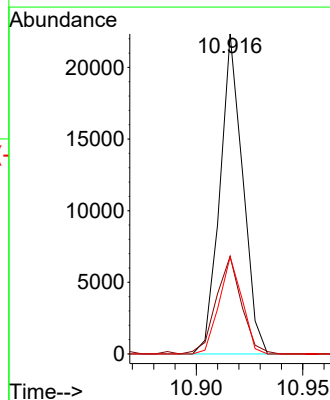
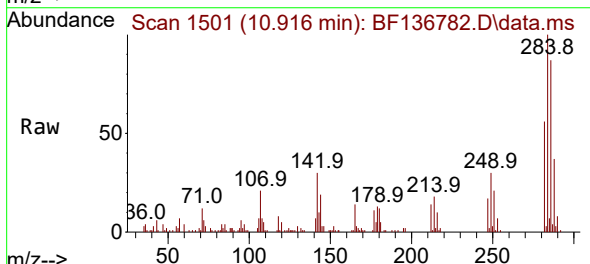
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

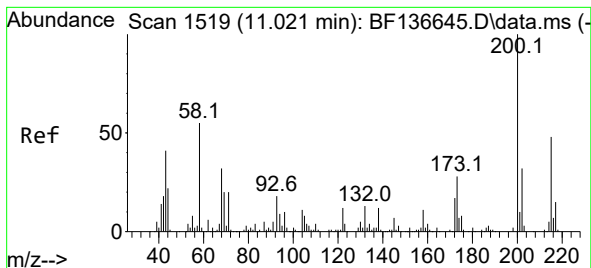
Tgt Ion:248 Resp: 16195  
Ion Ratio Lower Upper  
248 100  
250 103.8 77.8 116.6  
141 77.1 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 7.917 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:284 Resp: 16661  
Ion Ratio Lower Upper  
284 100  
142 30.5 23.4 35.0  
249 30.4 22.3 33.5





#69

Atrazine

Concen: 11.399 ng

RT: 11.010 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

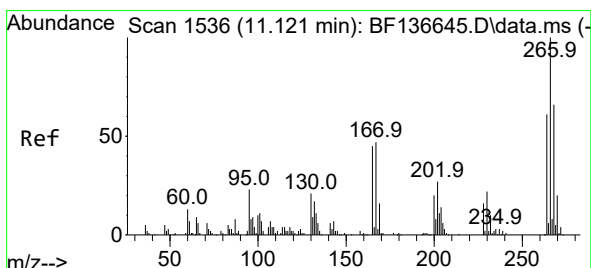
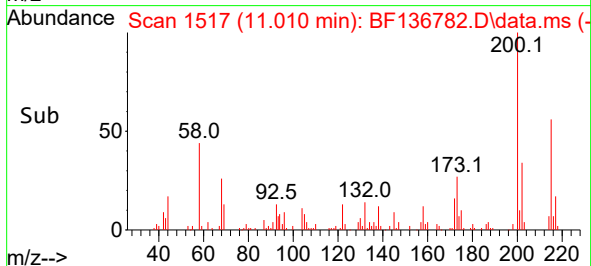
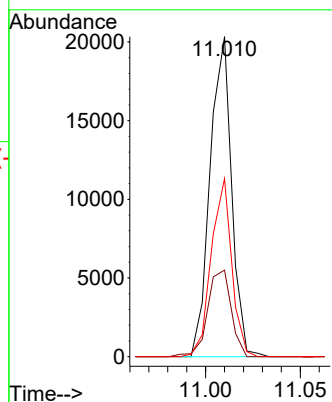
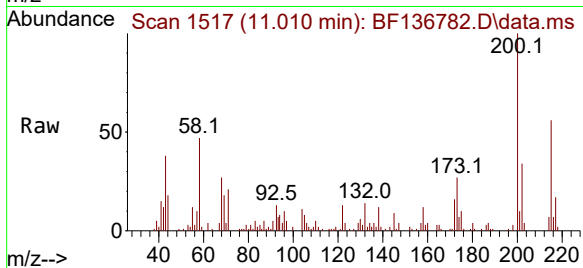
Tgt Ion:200 Resp: 16104

Ion Ratio Lower Upper

200 100

173 27.0 7.6 47.6

215 55.6 28.3 68.3



#70

Pentachlorophenol

Concen: 13.199 ng

RT: 11.116 min Scan# 1535

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

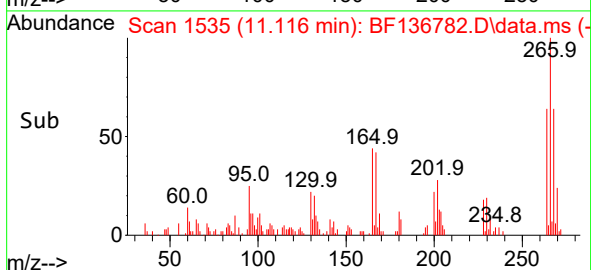
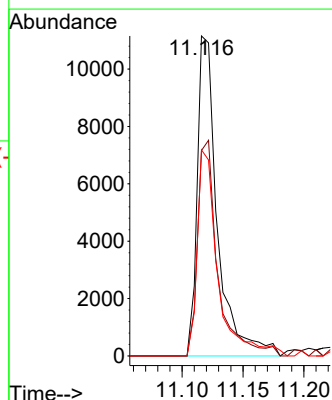
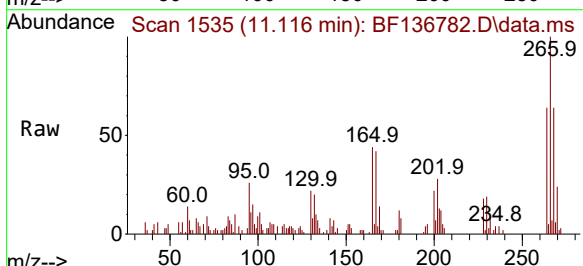
Tgt Ion:266 Resp: 12947

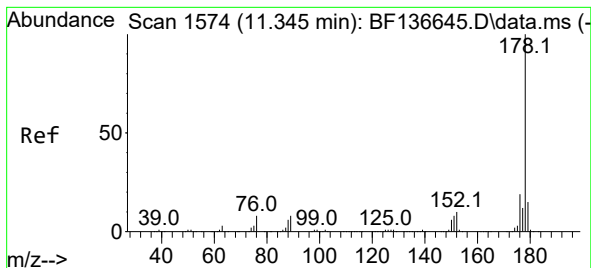
Ion Ratio Lower Upper

266 100

268 64.2 52.6 78.8

264 64.4 49.0 73.4

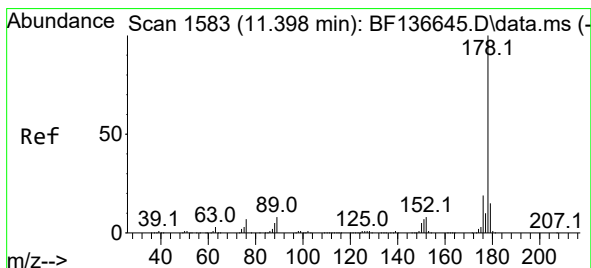
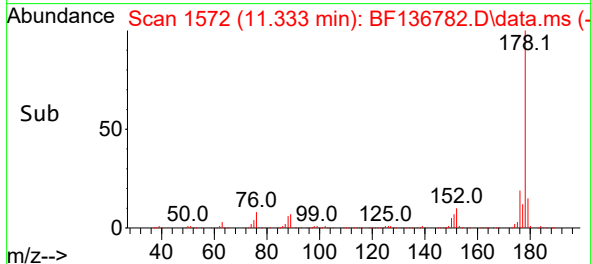
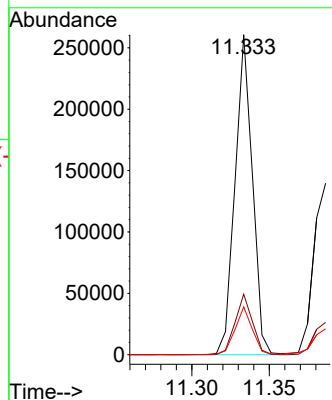
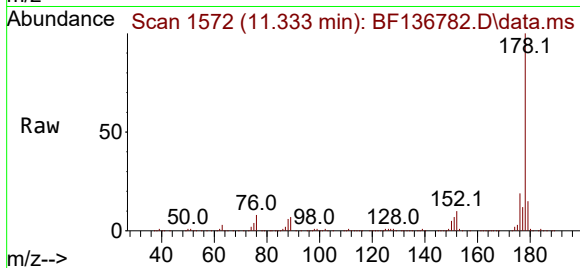




#71  
Phenanthrene  
Concen: 23.266 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

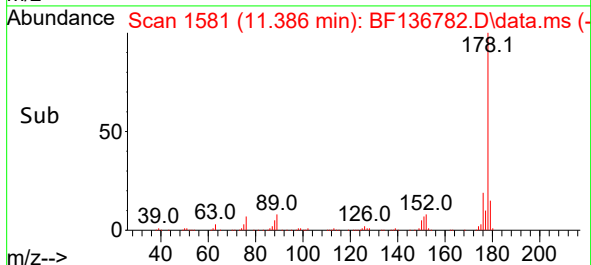
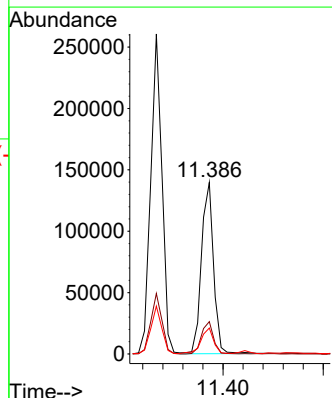
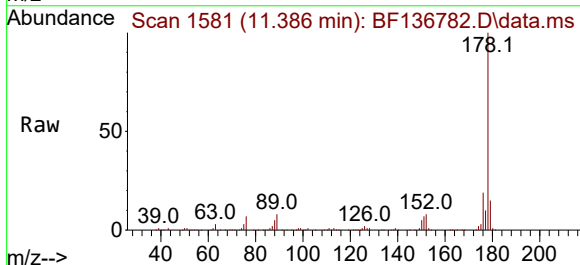
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

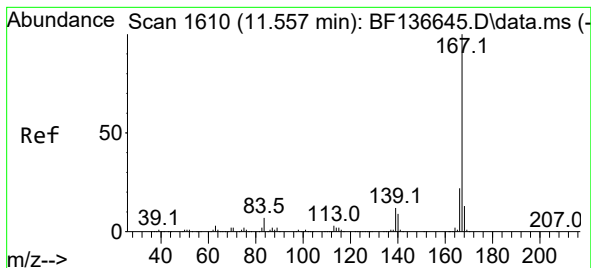
Tgt Ion:178 Resp: 202990  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.3 22.9  
179 15.0 11.9 17.9



#72  
Anthracene  
Concen: 13.353 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:178 Resp: 117986  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.2 11.8 17.6





#73

Carbazole

Concen: 10.266 ng

RT: 11.545 min Scan# 1608

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

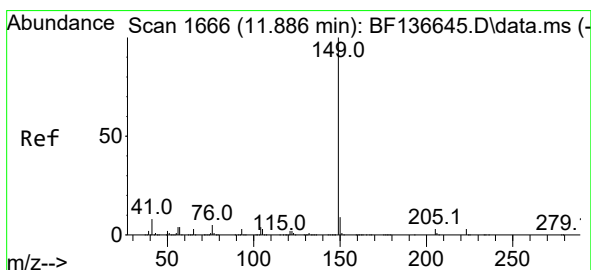
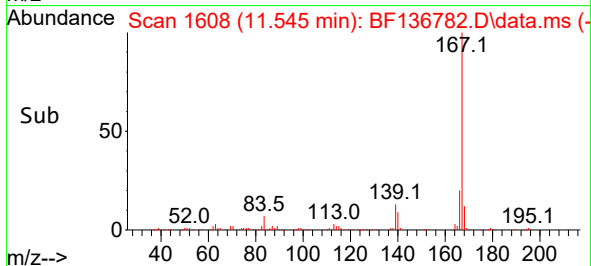
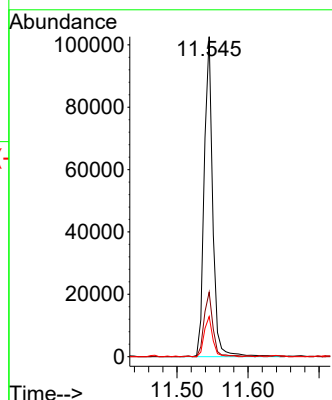
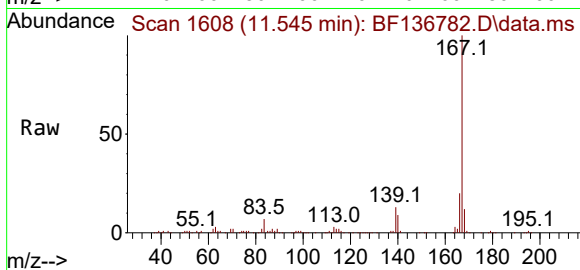
Tgt Ion:167 Resp: 85524

Ion Ratio Lower Upper

167 100

166 20.1 17.3 25.9

139 12.6 9.8 14.6



#74

Di-n-butylphthalate

Concen: 10.118 ng

RT: 11.875 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

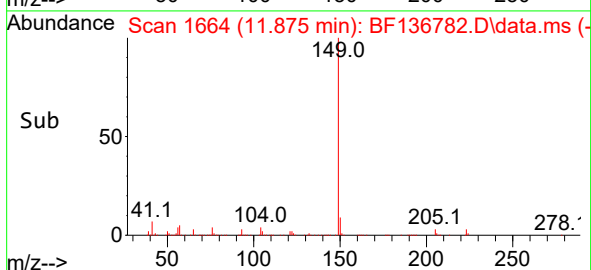
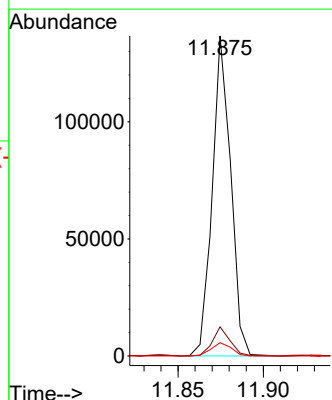
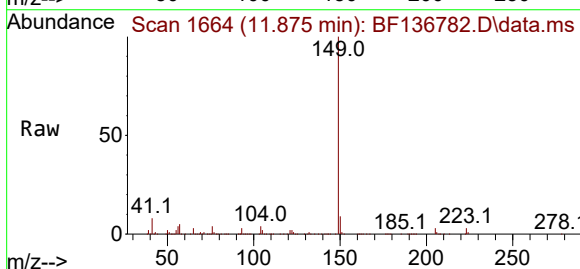
Tgt Ion:149 Resp: 102847

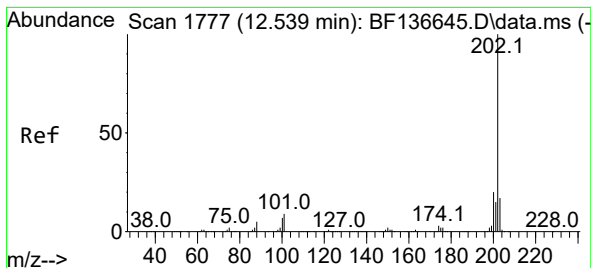
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

104 4.2 3.6 5.4

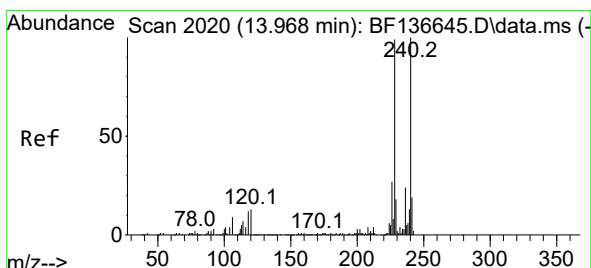
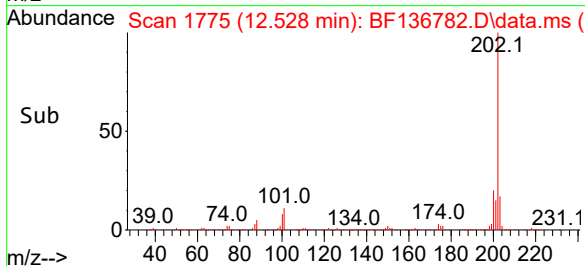
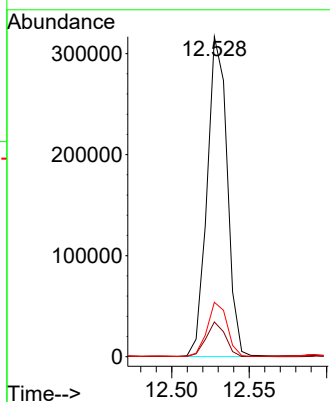
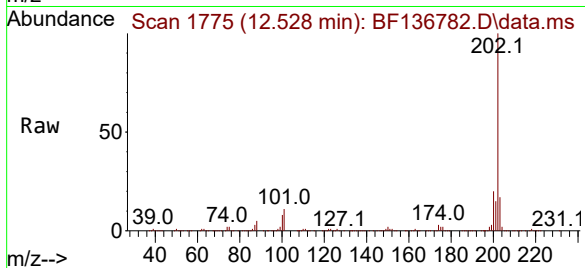




#75  
Fluoranthene  
Concen: 30.579 ng  
RT: 12.528 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

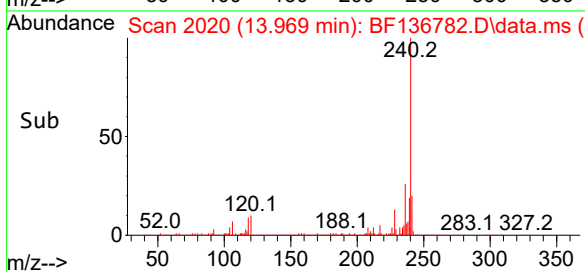
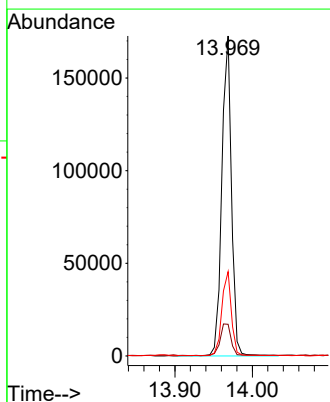
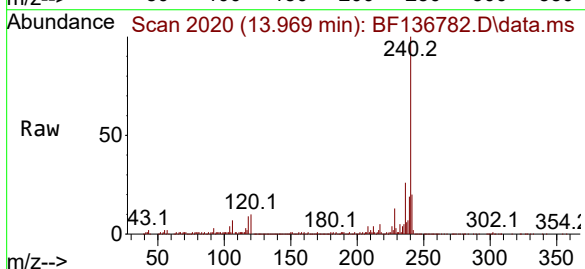
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

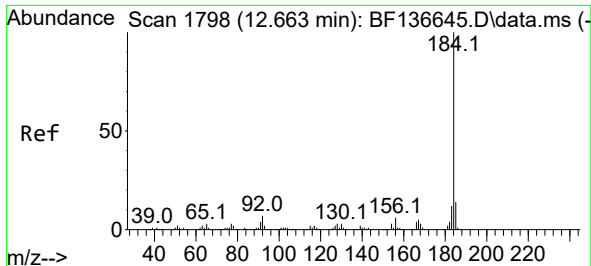
Tgt Ion:202 Resp: 285377  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 29.3  
203 17.0 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.969 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:240 Resp: 149384  
Ion Ratio Lower Upper  
240 100  
120 9.9 10.3 15.5#  
236 26.4 19.4 29.2

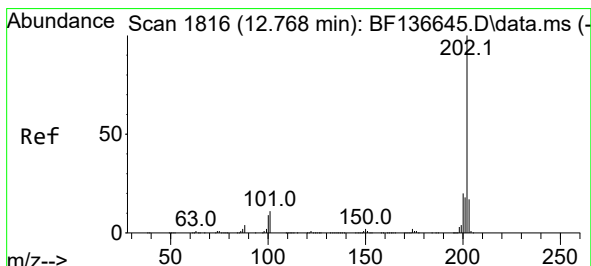
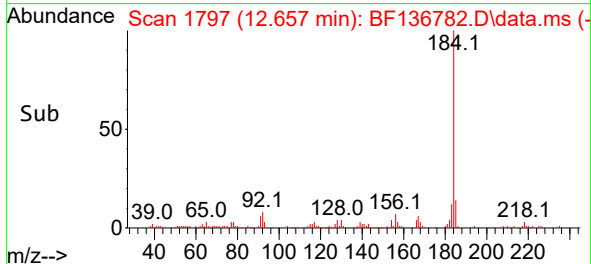
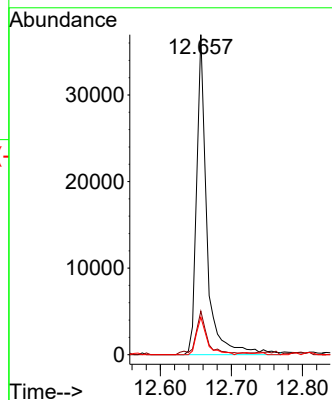
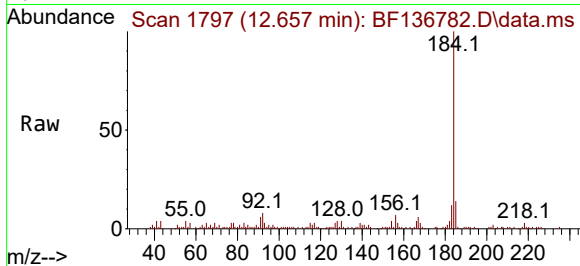




#77  
Benzidine  
Concen: 8.501 ng  
RT: 12.657 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

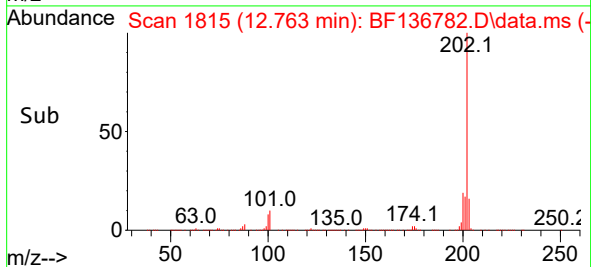
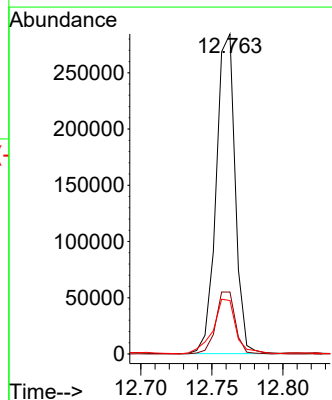
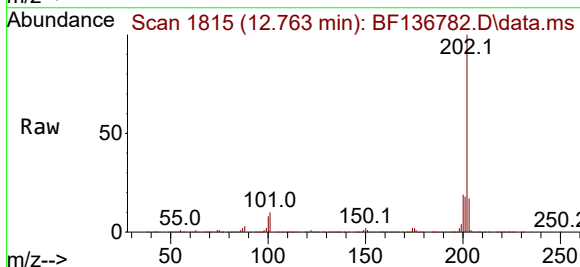
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

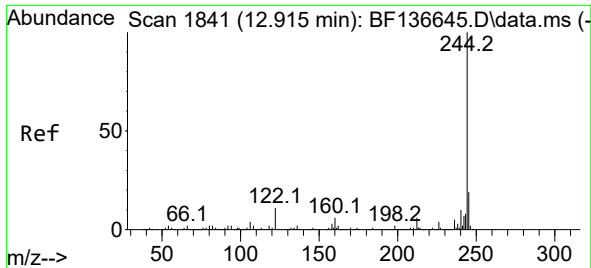
Tgt Ion:184 Resp: 37444  
Ion Ratio Lower Upper  
184 100  
185 13.6 11.2 16.8  
183 11.7 9.3 13.9



#78  
Pyrene  
Concen: 18.025 ng  
RT: 12.763 min Scan# 1815  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:202 Resp: 264324  
Ion Ratio Lower Upper  
202 100  
200 19.3 15.9 23.9  
203 16.7 13.8 20.6

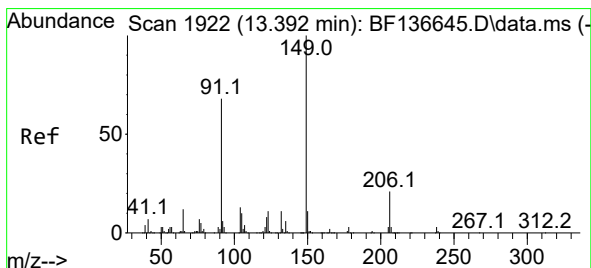
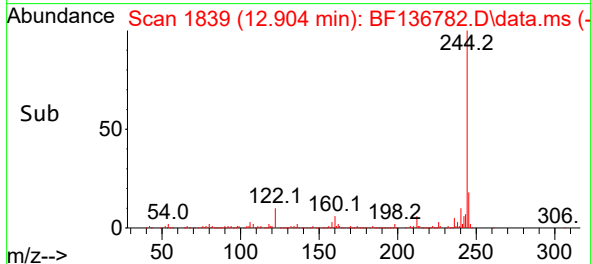
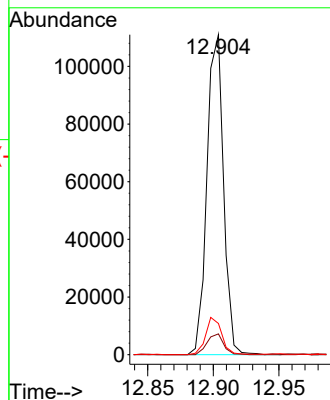
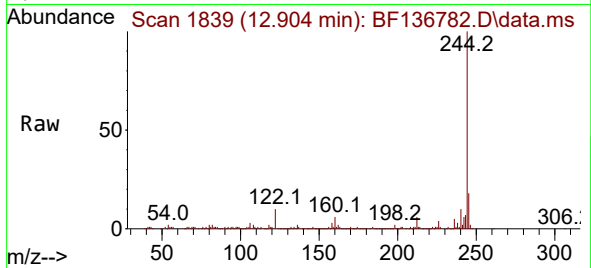




#79  
 Terphenyl-d14  
 Concen: 9.183 ng  
 RT: 12.904 min Scan# 1841  
 Delta R.T. -0.012 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

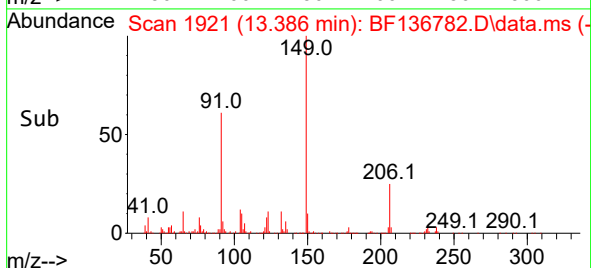
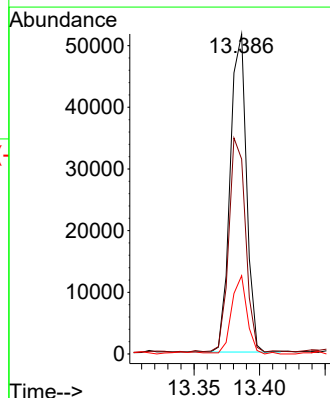
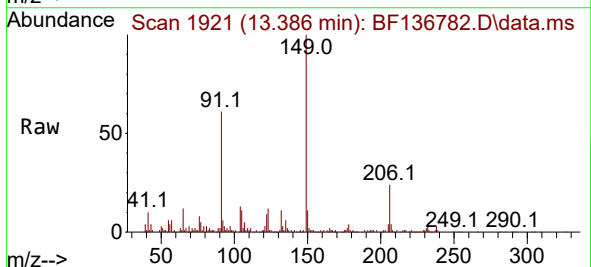
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PL-04-122023MS

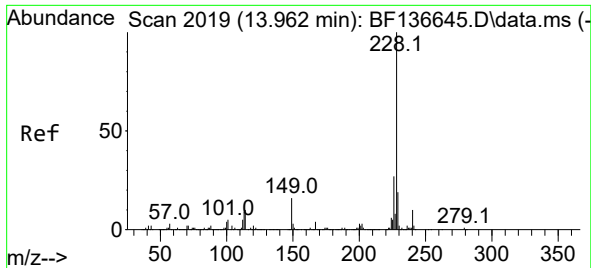
Tgt Ion:244 Resp: 98164  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 5.0 7.4  
 122 9.8 9.0 13.4



#80  
 Butylbenzylphthalate  
 Concen: 8.370 ng  
 RT: 13.386 min Scan# 1921  
 Delta R.T. -0.006 min  
 Lab File: BF136782.D  
 Acq: 28 Dec 2023 03:40

Tgt Ion:149 Resp: 44663  
 Ion Ratio Lower Upper  
 149 100  
 91 60.9 54.1 81.1  
 206 24.4 17.1 25.7

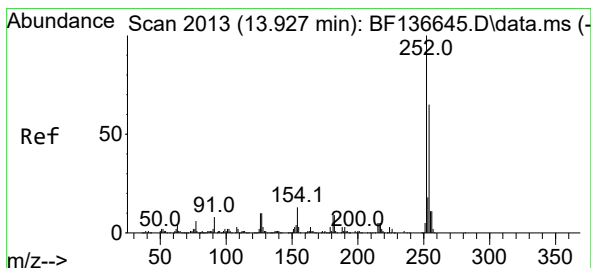
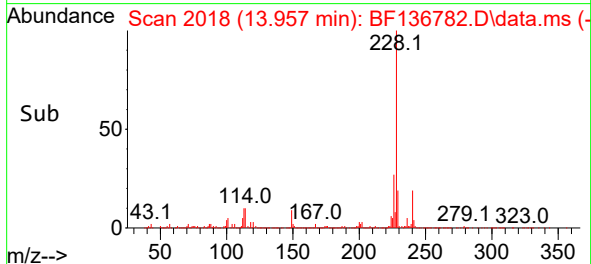
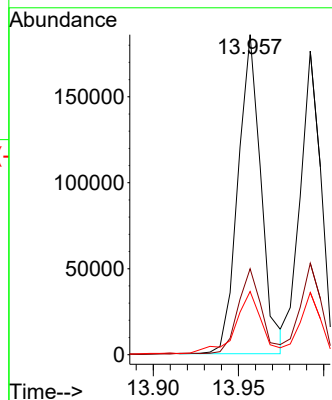
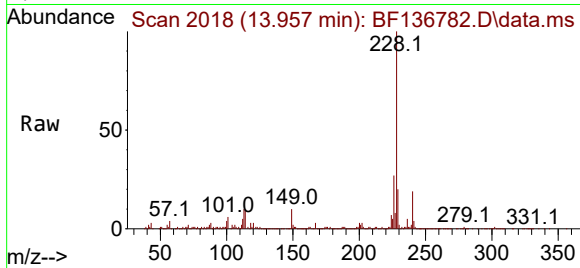




#81  
Benzo(a)anthracene  
Concen: 16.734 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

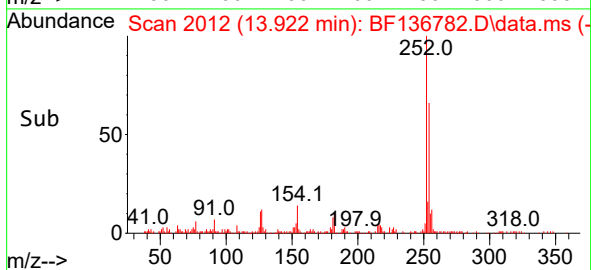
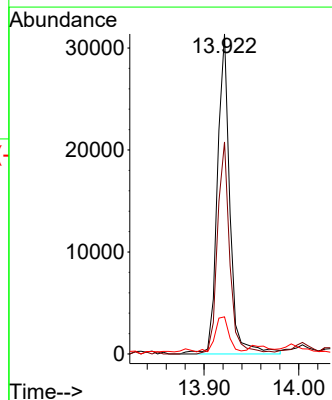
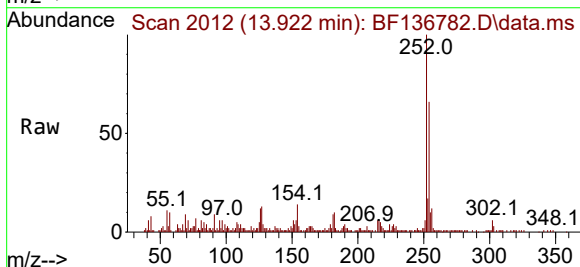
Instrument :  
BNA\_F  
ClientSampleId :  
PL-04-122023MS

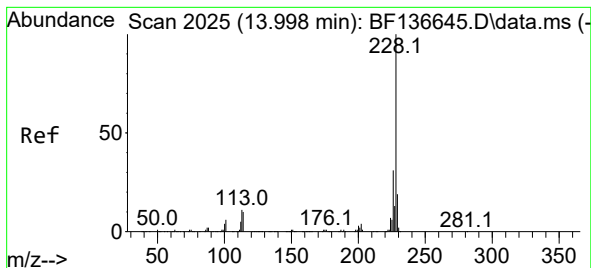
Tgt Ion:228 Resp: 173584  
Ion Ratio Lower Upper  
228 100  
226 26.8 21.4 32.0  
229 19.7 14.9 22.3



#82  
3,3'-Dichlorobenzidine  
Concen: 9.781 ng  
RT: 13.922 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:252 Resp: 28812  
Ion Ratio Lower Upper  
252 100  
254 66.3 52.2 78.4  
126 11.6 8.0 12.0





#83

Chrysene

Concen: 14.735 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

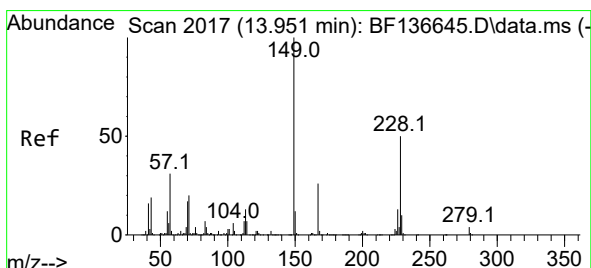
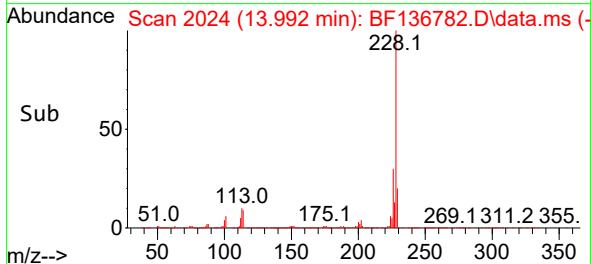
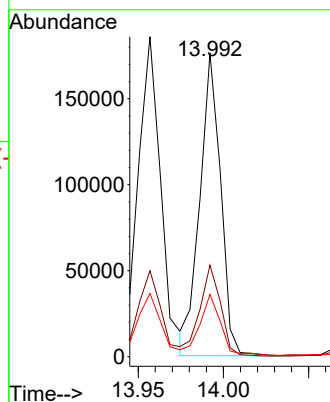
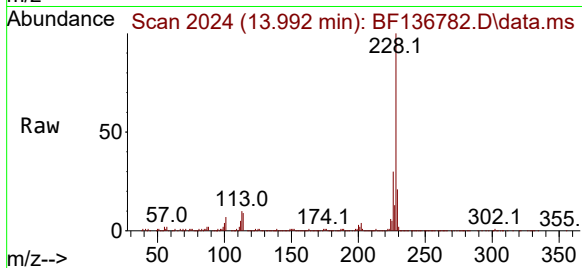
Tgt Ion:228 Resp: 149470

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 20.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.201 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

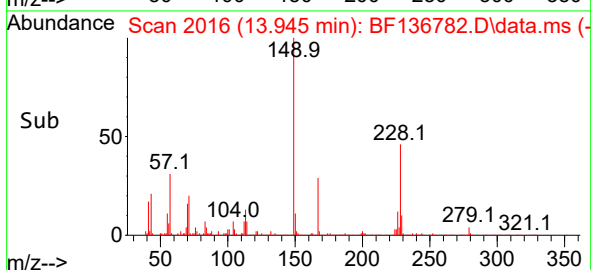
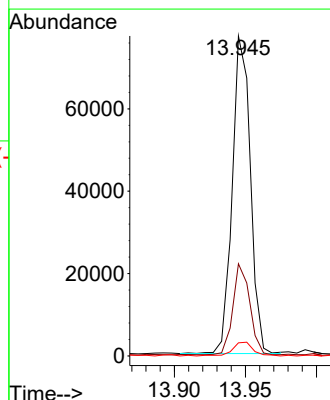
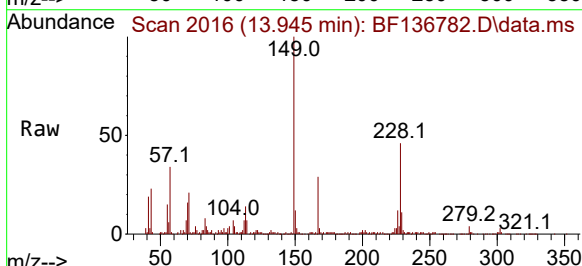
Tgt Ion:149 Resp: 68487

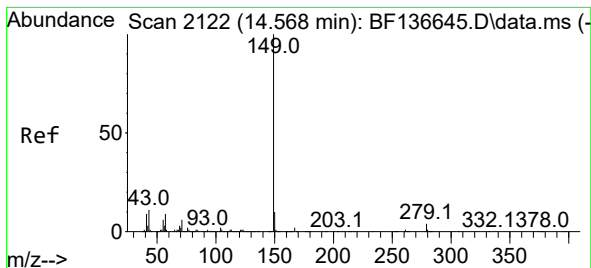
Ion Ratio Lower Upper

149 100

167 28.8 20.9 31.3

279 4.1 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 11.716 ng

RT: 14.563 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

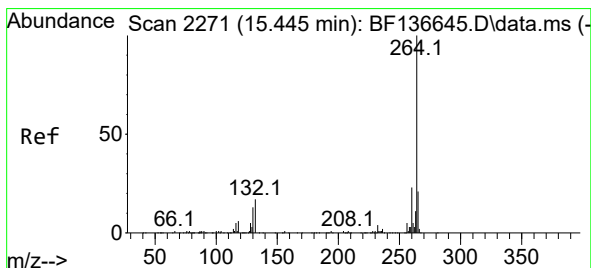
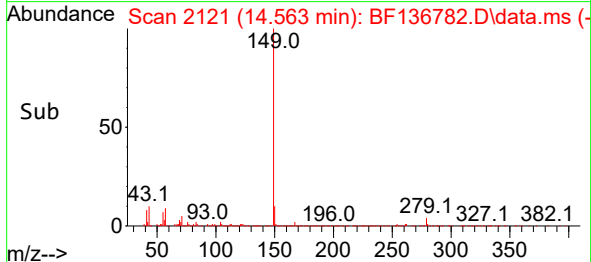
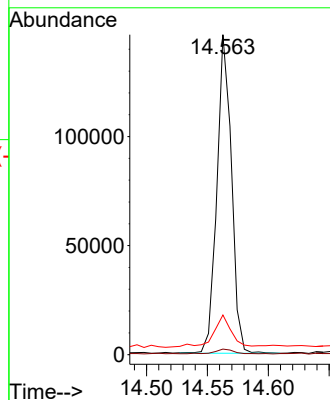
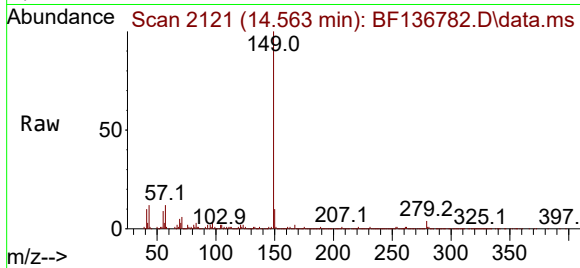
Tgt Ion:149 Resp: 121669

Ion Ratio Lower Upper

149 100

167 2.1 1.2 1.8#

43 12.5 8.9 13.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.006 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

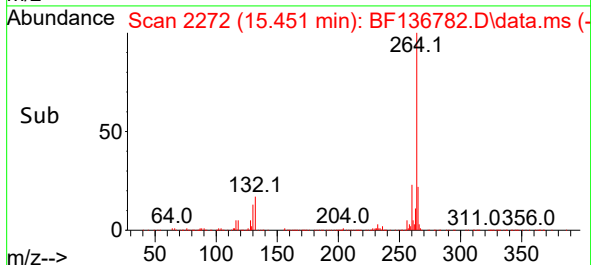
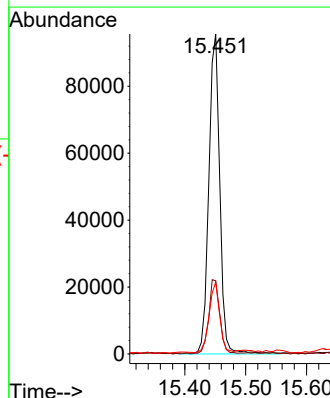
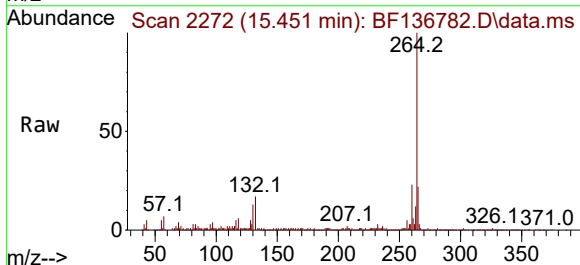
Tgt Ion:264 Resp: 119847

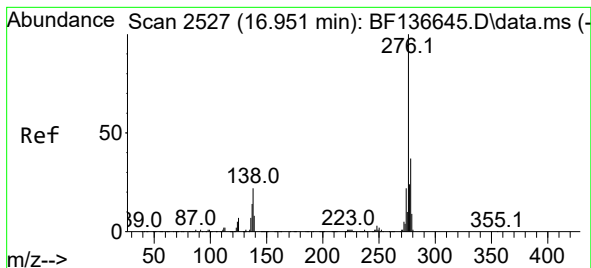
Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.4 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.961 ng

RT: 16.951 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

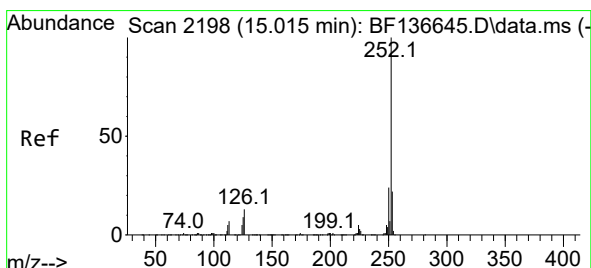
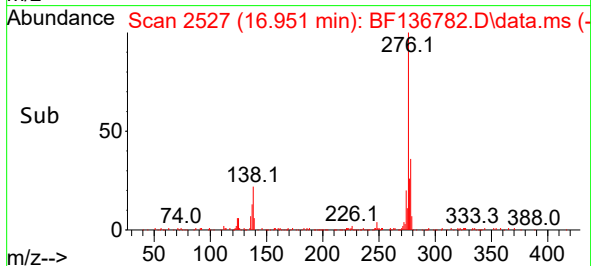
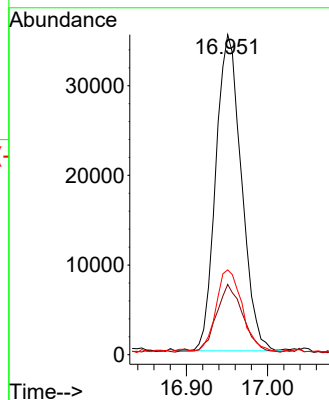
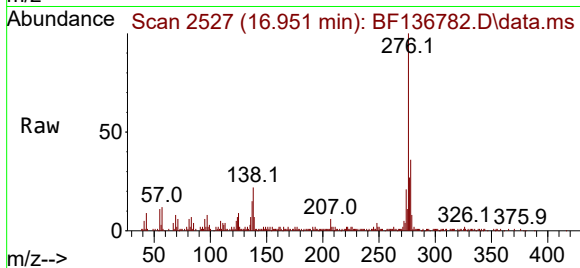
Tgt Ion:276 Resp: 77541

Ion Ratio Lower Upper

276 100

138 22.2 18.7 28.1

277 26.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.781 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

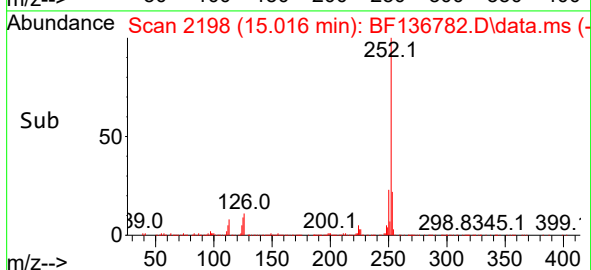
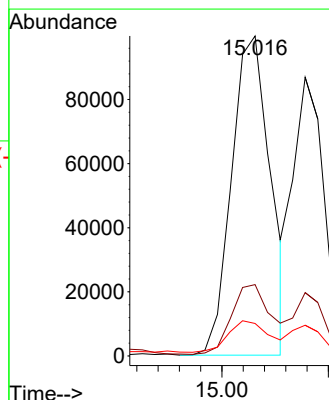
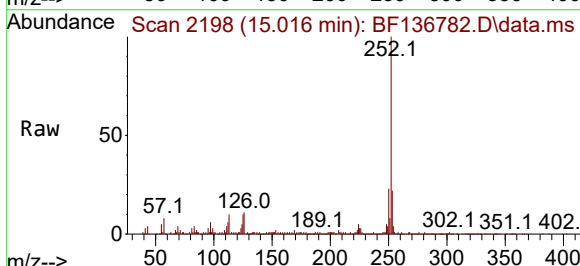
Tgt Ion:252 Resp: 126322

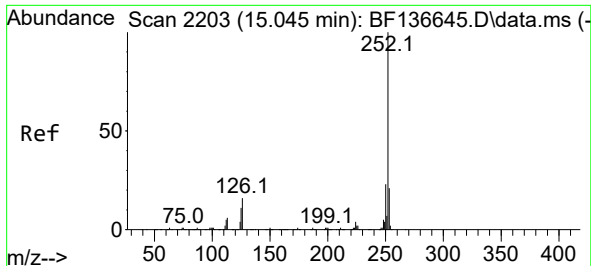
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 10.2 7.4 11.2

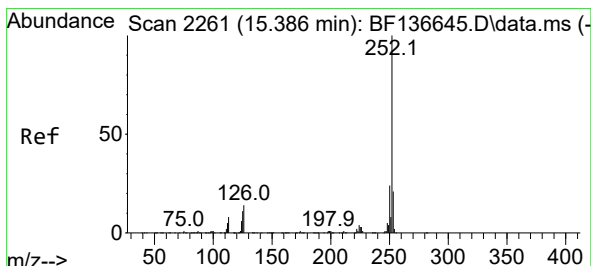
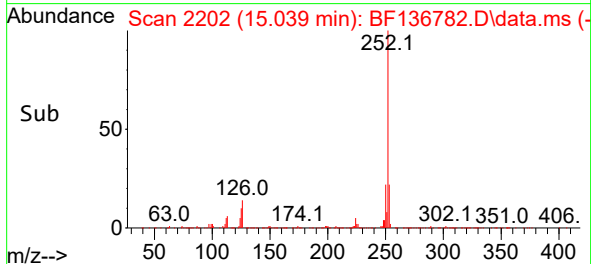
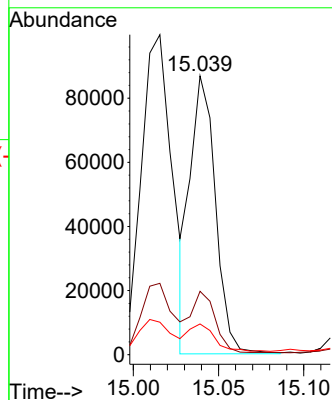
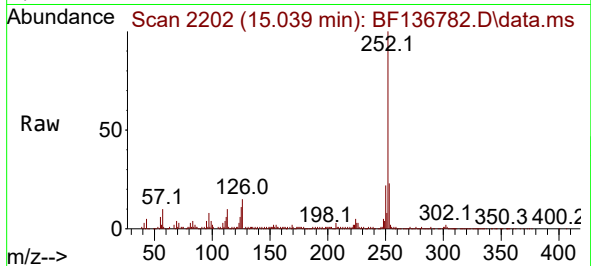




#89  
Benzo(k)fluoranthene  
Concen: 11.812 ng  
RT: 15.039 min Scan# 2203  
Delta R.T. -0.006 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

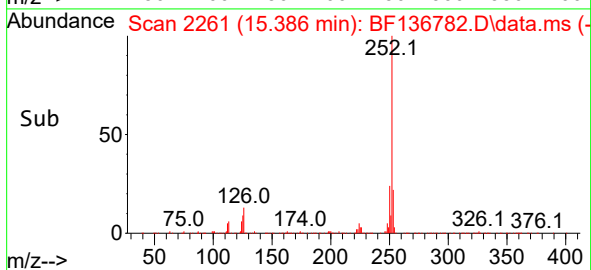
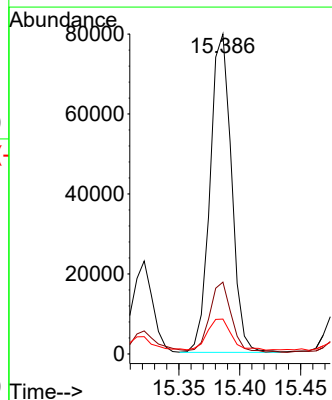
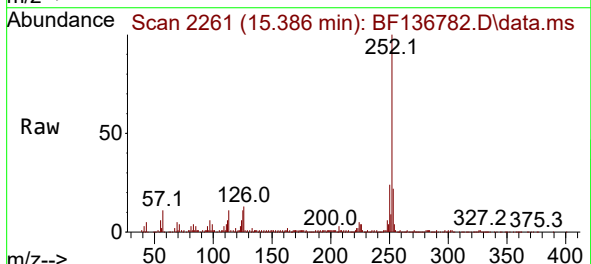
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BNA\_F  
ClientSampleId :  
PL-04-122023MS

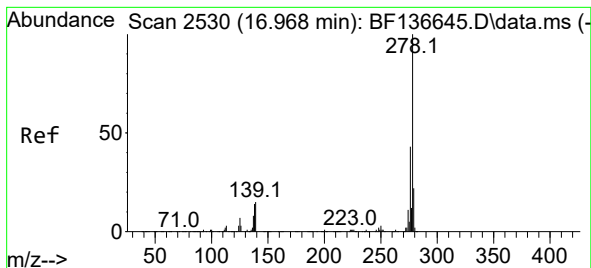
Tgt Ion:252 Resp: 89339  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.0 25.6  
125 11.0 8.2 12.4



#90  
Benzo(a)pyrene  
Concen: 14.402 ng  
RT: 15.386 min Scan# 2261  
Delta R.T. 0.000 min  
Lab File: BF136782.D  
Acq: 28 Dec 2023 03:40

Tgt Ion:252 Resp: 97311  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.0 25.6  
125 10.9 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 7.591 ng

RT: 16.968 min Scan# 2530

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Instrument :

BNA\_F

ClientSampleId :

PL-04-122023MS

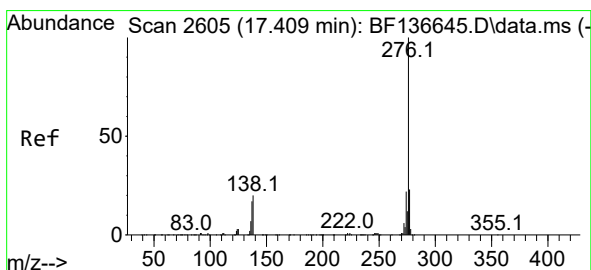
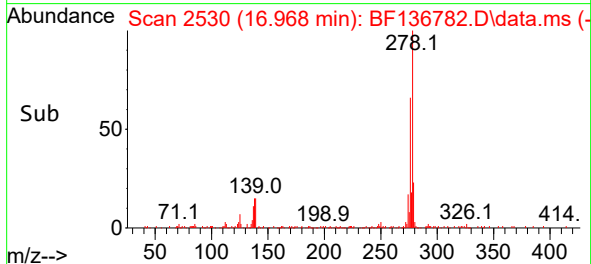
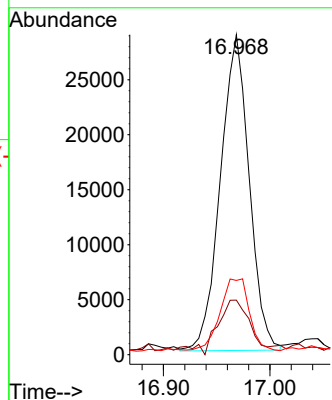
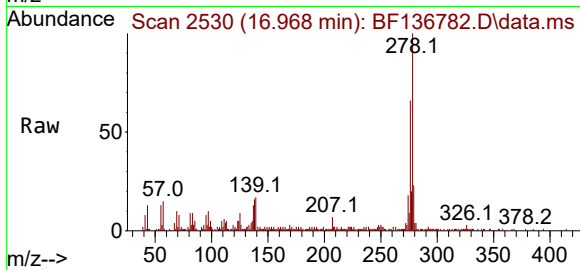
Tgt Ion:278 Resp: 53888

Ion Ratio Lower Upper

278 100

139 17.1 12.2 18.4

279 23.2 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 9.214 ng

RT: 17.410 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF136782.D

Acq: 28 Dec 2023 03:40

Tgt Ion:276 Resp: 66991

Ion Ratio Lower Upper

276 100

277 22.1 18.3 27.5

138 19.8 15.6 23.4

