

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF010424\  
 Data File : BF136941.D  
 Acq On : 04 Jan 2024 15:14  
 Operator : CG\JU  
 Sample : 05897-02MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHL-SS-36aMSD

Quant Time: Jan 04 15:35:53 2024  
 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     | 6.781  | 152  | 60222    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.063  | 136  | 220374   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.816  | 164  | 99894    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.310 | 188  | 170037   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.968 | 240  | 128551   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 158092   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 409686   | 106.145 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.440  | 99   | 496390   | 99.254  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 315782   | 73.325  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.616 | 330  | 114181   | 97.054  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.139  | 172  | 568067   | 76.485  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.904 | 244  | 519568   | 56.482  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.610  | 88   | 66052    | 41.073  | ng    | 97       |
| 3) Pyridine                   | 3.375  | 79   | 151501   | 38.611  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.346  | 42   | 85242    | 40.681  | ng    | 98       |
| 6) Aniline                    | 6.451  | 93   | 88876    | 17.774  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.575  | 128  | 179001   | 42.379  | ng    | 97       |
| 9) Benzaldehyde               | 6.340  | 77   | 45448    | 15.976  | ng    | 99       |
| 10) Phenol                    | 6.451  | 94   | 206098   | 38.604  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 168982   | 41.620  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.722  | 146  | 191262   | 41.509  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.798  | 146  | 193387   | 41.076  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 179978   | 41.082  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.934  | 79   | 138426   | 41.027  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.057  | 45   | 268304   | 40.419  | ng    | 60       |
| 17) 2-Methylphenol            | 7.051  | 107  | 135289   | 38.664  | ng    | 94       |
| 18) Hexachloroethane          | 7.287  | 117  | 69867    | 40.862  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.198  | 70   | 118460   | 39.074  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.204  | 107  | 171264   | 39.178  | ng    | # 55     |
| 22) Acetophenone              | 7.192  | 105  | 250515   | 45.353  | ng    | # 87     |
| 24) Nitrobenzene              | 7.369  | 77   | 177767   | 41.206  | ng    | 94       |
| 25) Isophorone                | 7.604  | 82   | 312348   | 39.859  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.681  | 139  | 90013    | 43.610  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 121252   | 48.253  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.810  | 93   | 197436   | 41.449  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 134638   | 41.618  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.004  | 180  | 153743   | 42.653  | ng    | 99       |
| 31) Naphthalene               | 8.081  | 128  | 505790   | 41.778  | ng    | 99       |
| 32) Benzoic acid              | 7.857  | 122  | 93043    | 38.268  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 23467    | 5.250   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.192  | 225  | 91337    | 41.707  | ng    | 99       |
| 35) Caprolactam               | 8.510  | 113  | 38861    | 36.413  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.633  | 107  | 134956   | 37.055  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.775  | 142  | 311043   | 39.921  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.875  | 142  | 295170   | 38.614  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.939  | 216  | 155880   | 50.387  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.922  | 237  | 100779   | 100.811 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 86606    | 43.652  | ng    | 97       |

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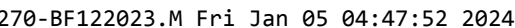
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GHL-SS-36aMSD

Quant Time: Jan 04 15:35:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.110  | 196  | 92162    | 41.685 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.239  | 154  | 393613   | 46.956 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 289430   | 45.418 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 79420    | 39.798 | ng    | 95       |
| 49) Acenaphthylene            | 9.680  | 152  | 454965   | 46.709 | ng    | 99       |
| 50) Dimethylphthalate         | 9.545  | 163  | 303683   | 41.620 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.610  | 165  | 66601    | 40.219 | ng    | 91       |
| 52) Acenaphthene              | 9.851  | 154  | 263305   | 43.609 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.780  | 138  | 32021    | 18.254 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 56030    | 61.935 | ng    | 96       |
| 55) Dibenzofuran              | 10.028 | 168  | 392175   | 42.848 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 72955    | 61.609 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 82878    | 38.553 | ng    | 94       |
| 58) Fluorene                  | 10.369 | 166  | 310910   | 42.812 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 68271    | 40.114 | ng    | 98       |
| 60) Diethylphthalate          | 10.245 | 149  | 305038   | 40.293 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.363 | 204  | 147852   | 41.885 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.398 | 138  | 57470    | 33.985 | ng    | 97       |
| 63) Azobenzene                | 10.522 | 77   | 282720   | 39.983 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 39301    | 40.330 | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 259536   | 46.987 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.851 | 248  | 86718    | 45.922 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.922 | 284  | 95169    | 45.223 | ng    | 95       |
| 69) Atrazine                  | 11.016 | 200  | 77490    | 54.850 | ng    | 98       |
| 70) Pentachlorophenol         | 11.122 | 266  | 66634    | 67.931 | ng    | 97       |
| 71) Phenanthrene              | 11.339 | 178  | 401910   | 46.066 | ng    | 99       |
| 72) Anthracene                | 11.386 | 178  | 394106   | 44.603 | ng    | 98       |
| 73) Carbazole                 | 11.551 | 167  | 367767   | 44.147 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.880 | 149  | 487644   | 47.971 | ng    | 98       |
| 75) Fluoranthene              | 12.533 | 202  | 422871   | 45.312 | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 80809    | 21.319 | ng    | 100      |
| 78) Pyrene                    | 12.763 | 202  | 433284   | 34.335 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.386 | 149  | 208947   | 45.504 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 409467   | 45.871 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 81809    | 32.271 | ng    | # 96     |
| 83) Chrysene                  | 13.998 | 228  | 388235   | 44.476 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.945 | 149  | 327287   | 56.650 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.563 | 149  | 589251   | 65.936 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.974 | 276  | 534792   | 46.852 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.021 | 252  | 421663   | 39.934 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.051 | 252  | 394991   | 39.589 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 373917   | 41.952 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.992 | 278  | 450993   | 48.160 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 431053   | 44.943 | ng    | 99       |

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

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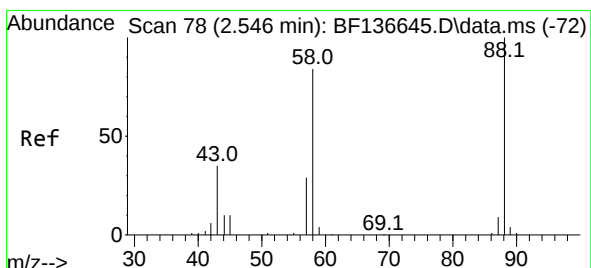
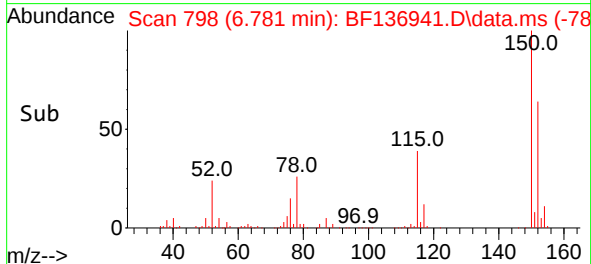
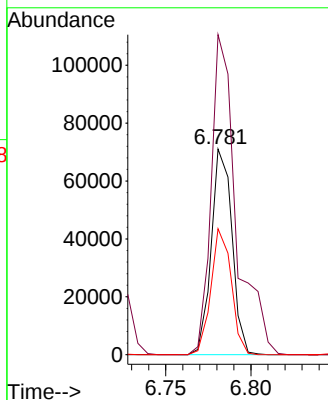
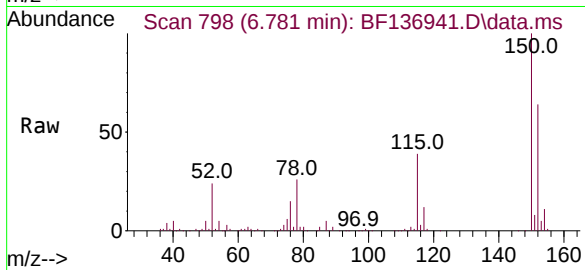




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.781 min Scan# 79  
Delta R.T. -0.011 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

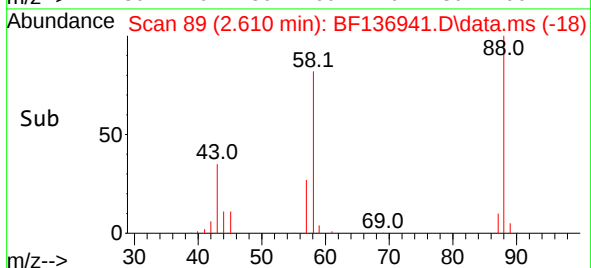
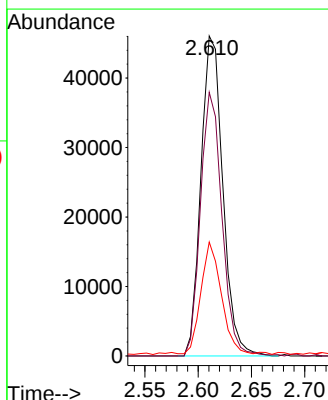
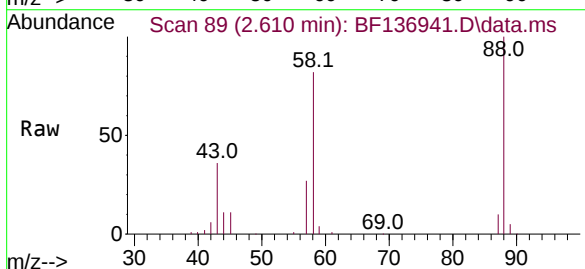
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

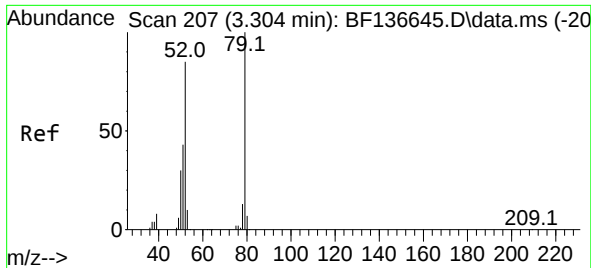
Tgt Ion:152 Resp: 60222  
Ion Ratio Lower Upper  
152 100  
150 155.6 127.0 190.6  
115 61.2 49.0 73.4



#2  
1,4-Dioxane  
Concen: 41.073 ng  
RT: 2.610 min Scan# 89  
Delta R.T. 0.065 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 88 Resp: 66052  
Ion Ratio Lower Upper  
88 100  
58 80.9 67.4 101.0  
43 33.3 27.7 41.5

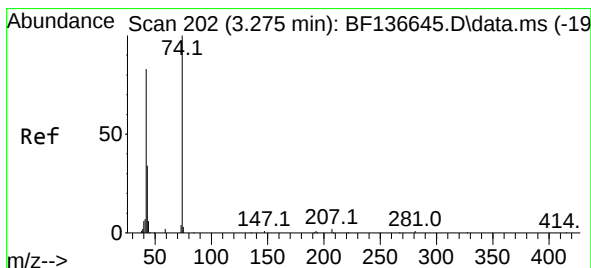
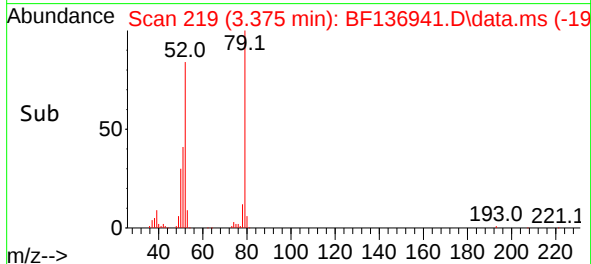
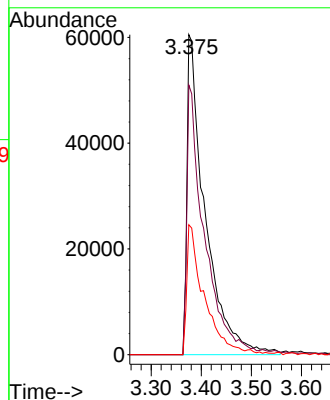
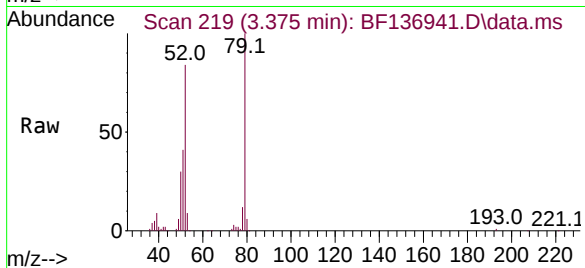




#3  
Pyridine  
Concen: 38.611 ng  
RT: 3.375 min Scan# 21  
Delta R.T. 0.071 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

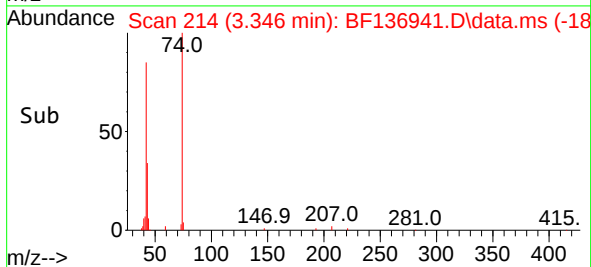
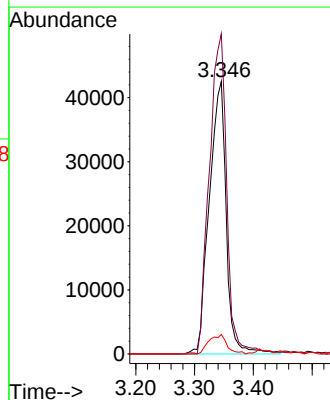
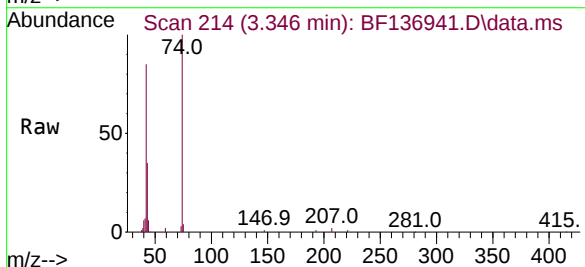
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

Tgt Ion: 79 Resp: 151501  
Ion Ratio Lower Upper  
79 100  
52 84.2 67.7 101.5  
51 40.6 34.0 51.0



#4  
n-Nitrosodimethylamine  
Concen: 40.681 ng  
RT: 3.346 min Scan# 214  
Delta R.T. 0.071 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 42 Resp: 85242  
Ion Ratio Lower Upper  
42 100  
74 117.4 96.0 144.0  
44 7.2 5.4 8.2

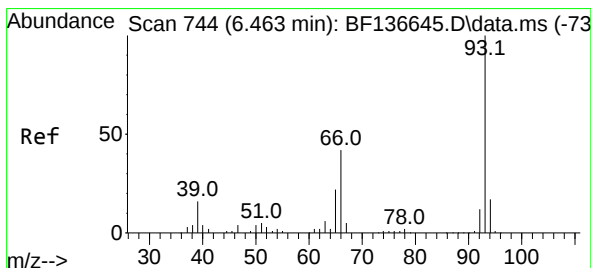
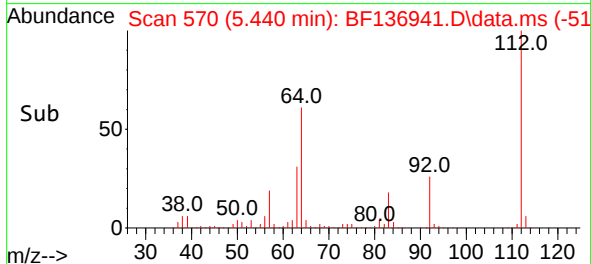
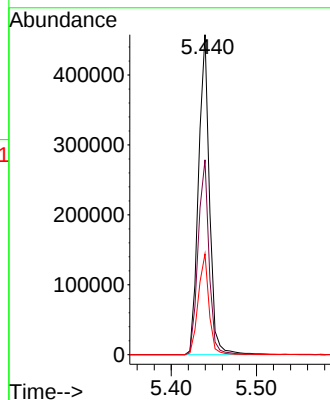
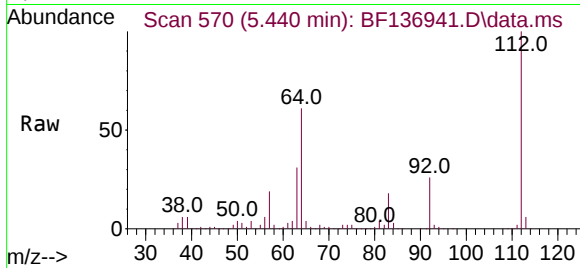




#5  
2-Fluorophenol  
Concen: 106.145 ng  
RT: 5.440 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

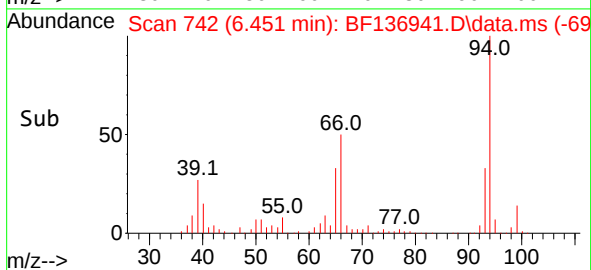
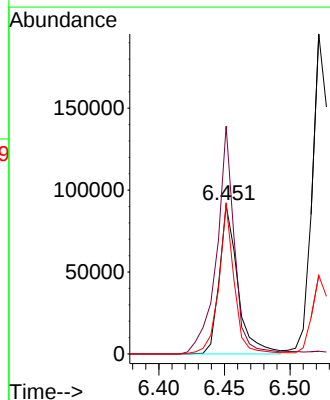
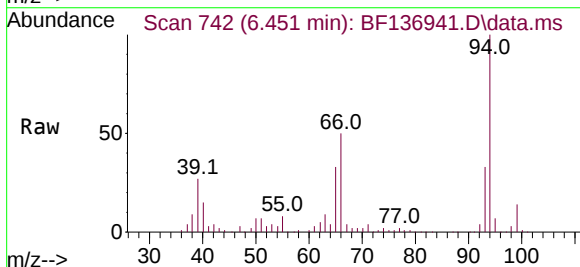
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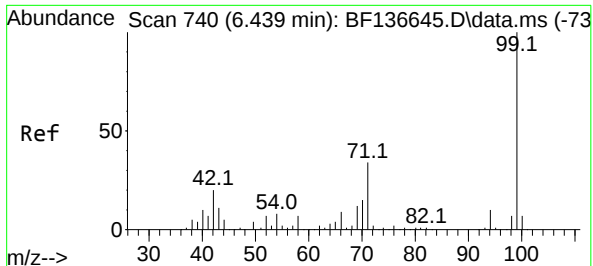
Tgt Ion:112 Resp: 409686  
Ion Ratio Lower Upper  
112 100  
64 60.9 51.1 76.7  
63 31.5 26.1 39.1



#6  
Aniline  
Concen: 17.774 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 93 Resp: 88876  
Ion Ratio Lower Upper  
93 100  
66 152.8 34.6 51.8#  
65 101.2 17.8 26.8#

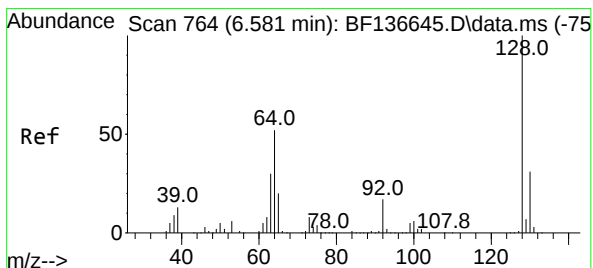
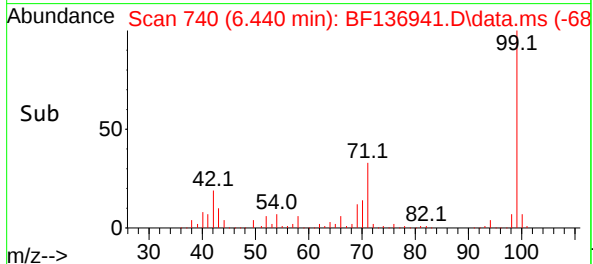
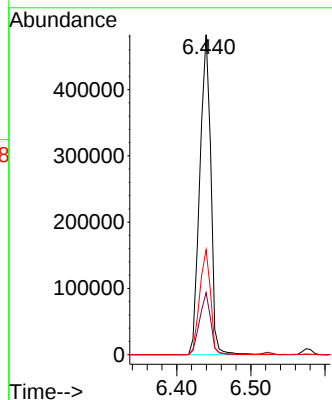
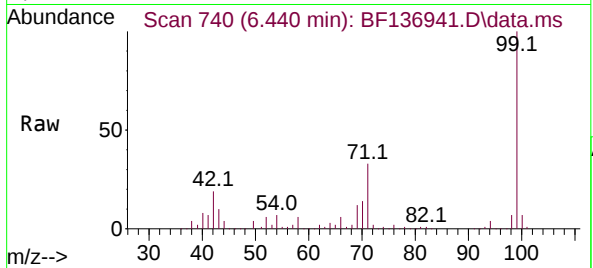




#7  
Phenol-d6  
Concen: 99.254 ng  
RT: 6.440 min Scan# 740  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

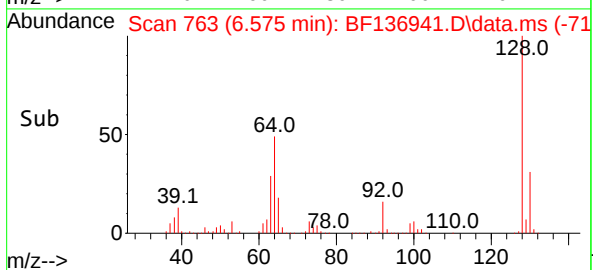
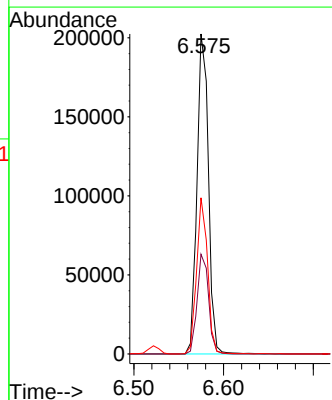
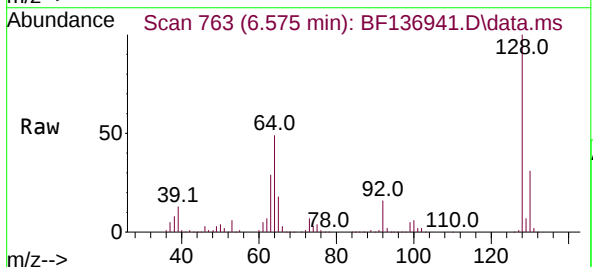
Instrument :  
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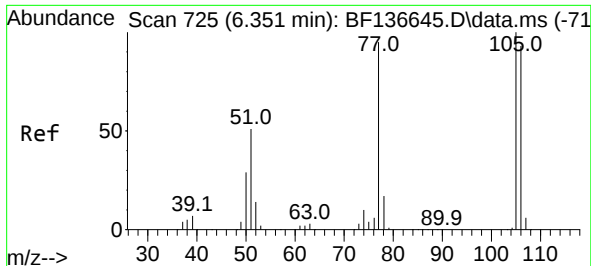
Tgt Ion: 99 Resp: 496390  
Ion Ratio Lower Upper  
99 100  
42 19.4 16.1 24.1  
71 32.8 27.4 41.2



#8  
2-Chlorophenol  
Concen: 42.379 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 128 Resp: 179001  
Ion Ratio Lower Upper  
128 100  
130 31.1 11.3 51.3  
64 48.8 32.5 72.5





#9

Benzaldehyde

Concen: 15.976 ng

RT: 6.340 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

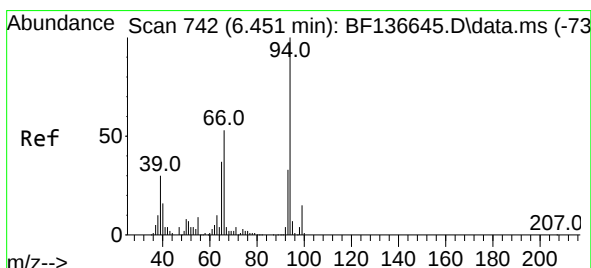
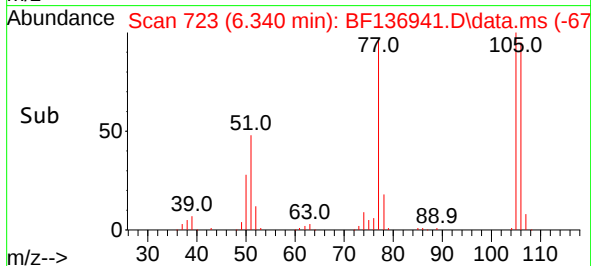
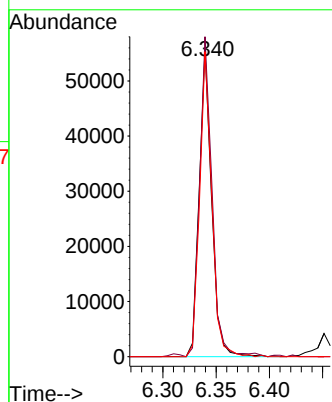
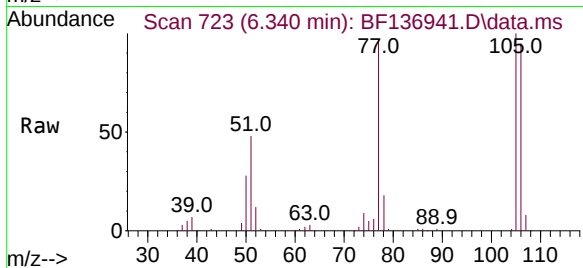
Tgt Ion: 77 Resp: 45448

Ion Ratio Lower Upper

77 100

105 103.4 84.8 124.8

106 98.6 77.8 117.8



#10

Phenol

Concen: 38.604 ng

RT: 6.451 min Scan# 742

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

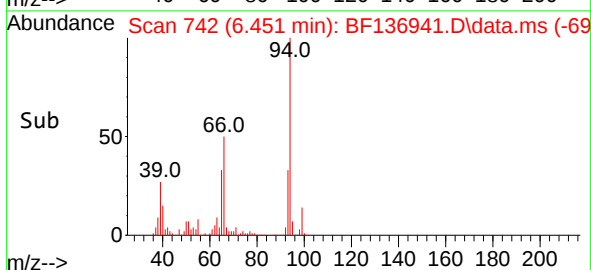
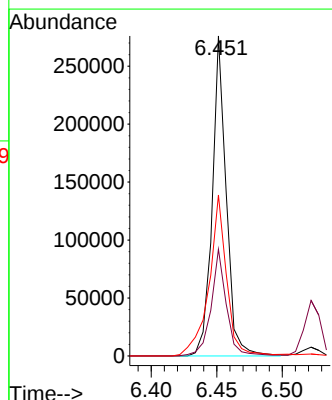
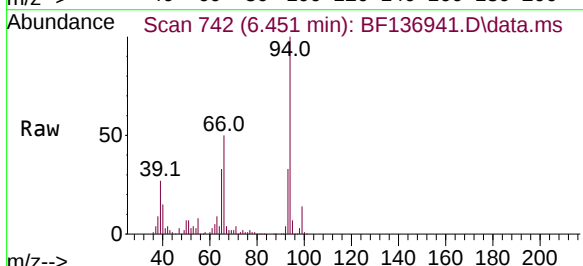
Tgt Ion: 94 Resp: 206098

Ion Ratio Lower Upper

94 100

65 33.3 16.6 56.6

66 50.3 32.6 72.6





#11

bis(2-Chloroethyl)ether

Concen: 41.620 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

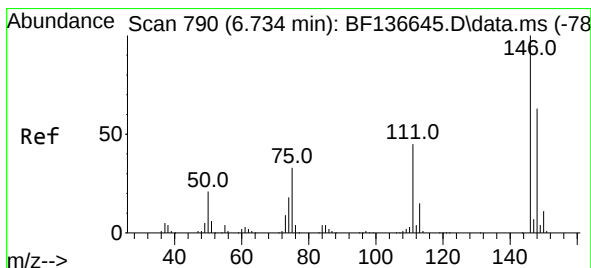
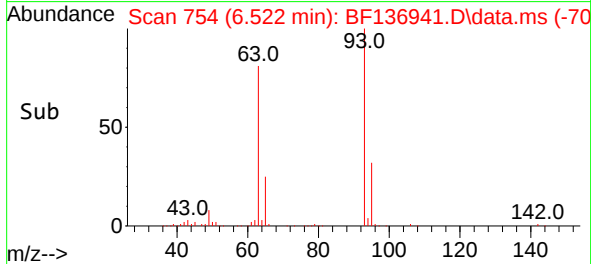
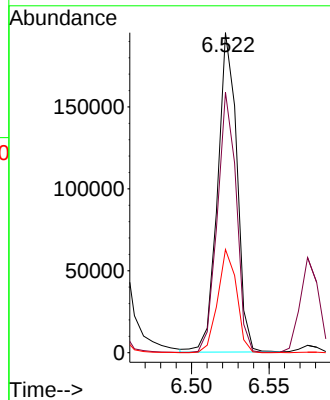
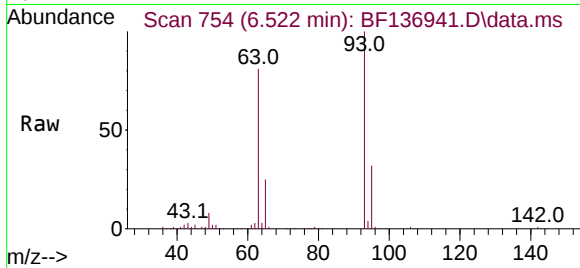
Tgt Ion: 93 Resp: 168982

Ion Ratio Lower Upper

93 100

63 81.4 61.2 101.2

95 32.3 11.6 51.6



#12

1,3-Dichlorobenzene

Concen: 41.509 ng

RT: 6.722 min Scan# 788

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

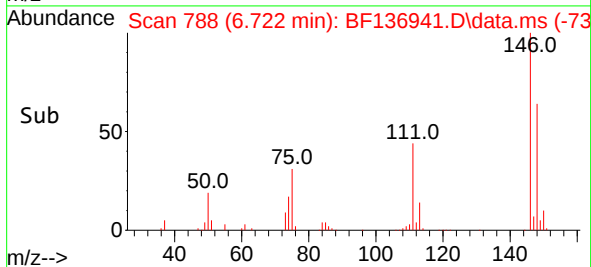
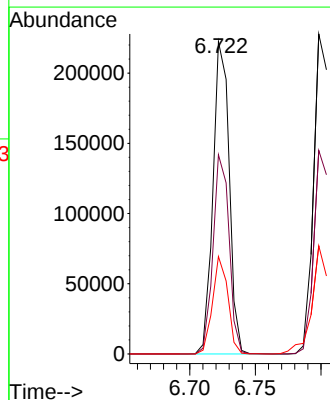
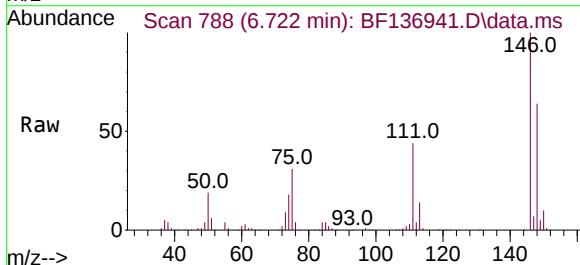
Tgt Ion: 146 Resp: 191262

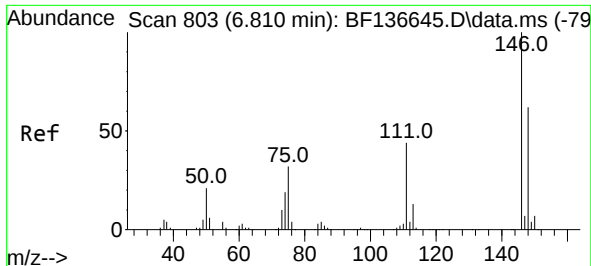
Ion Ratio Lower Upper

146 100

148 63.8 50.5 75.7

75 31.2 26.2 39.4

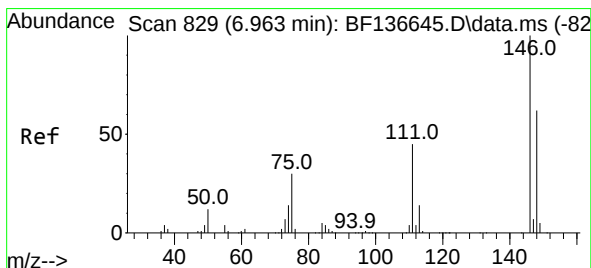
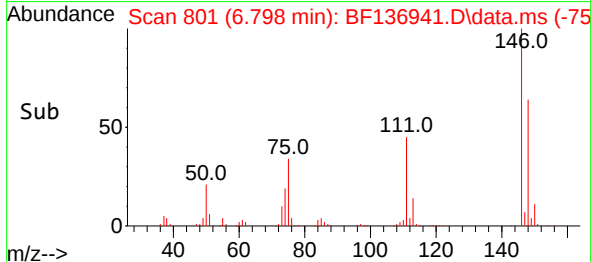
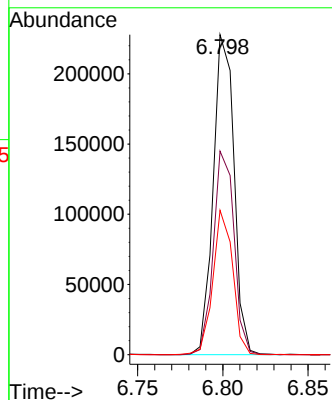
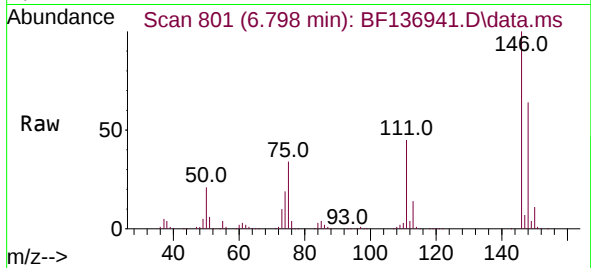




#13  
1,4-Dichlorobenzene  
Concen: 41.076 ng  
RT: 6.798 min Scan# 801  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

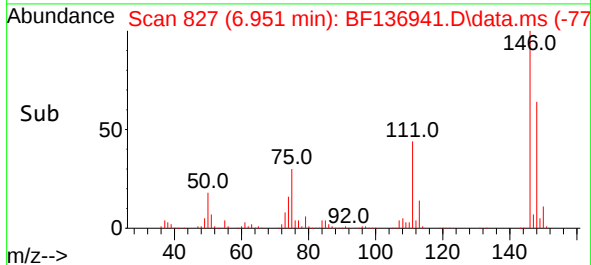
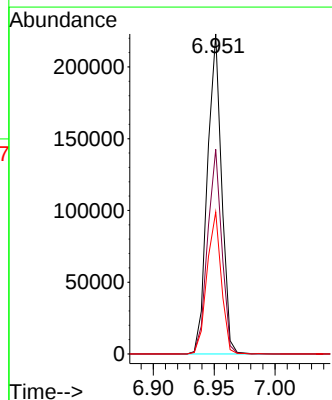
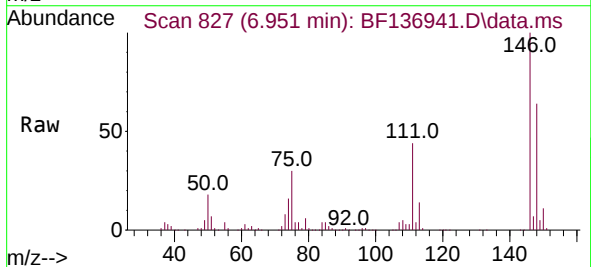
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

Tgt Ion:146 Resp: 193387  
Ion Ratio Lower Upper  
146 100  
148 63.6 49.2 73.8  
111 45.1 35.2 52.8



#14  
1,2-Dichlorobenzene  
Concen: 41.082 ng  
RT: 6.951 min Scan# 827  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:146 Resp: 179978  
Ion Ratio Lower Upper  
146 100  
148 63.9 49.6 74.4  
111 44.4 36.2 54.2

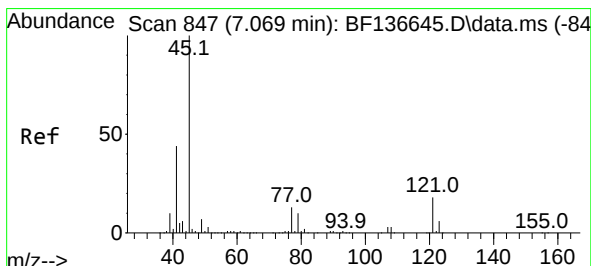
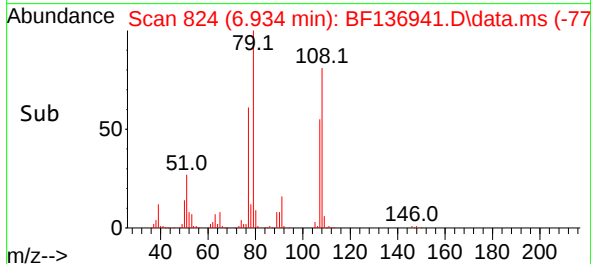
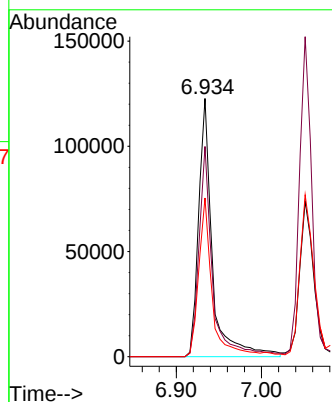
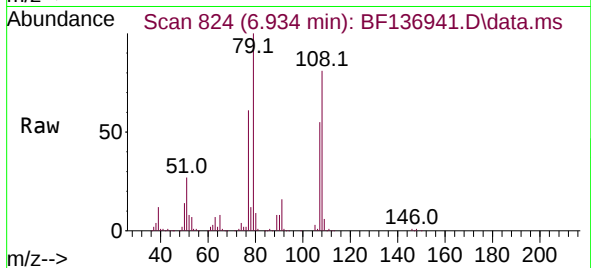




#15  
Benzyl Alcohol  
Concen: 41.027 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

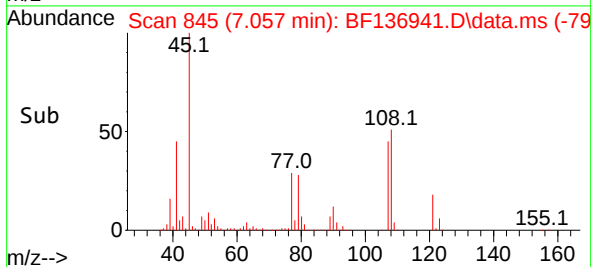
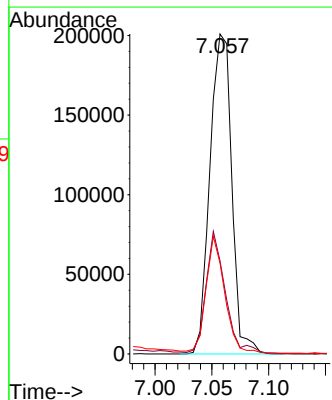
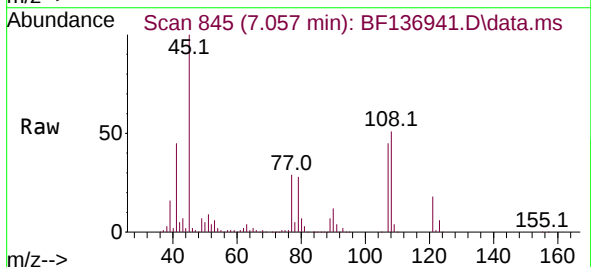
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

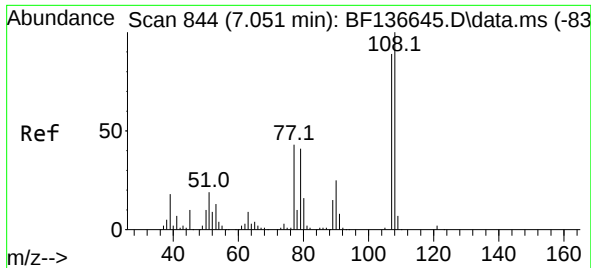
Tgt Ion: 79 Resp: 138426  
Ion Ratio Lower Upper  
79 100  
108 81.4 61.0 91.6  
77 61.5 49.8 74.8



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.419 ng  
RT: 7.057 min Scan# 845  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

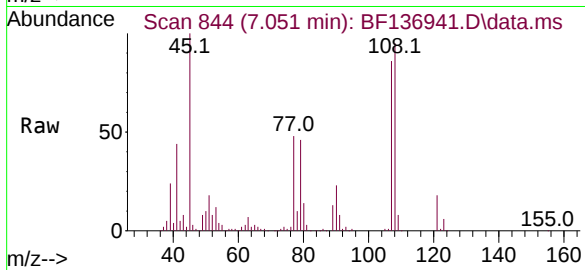
Tgt Ion: 45 Resp: 268304  
Ion Ratio Lower Upper  
45 100  
77 29.1 0.0 34.3  
79 28.4 0.0 31.4



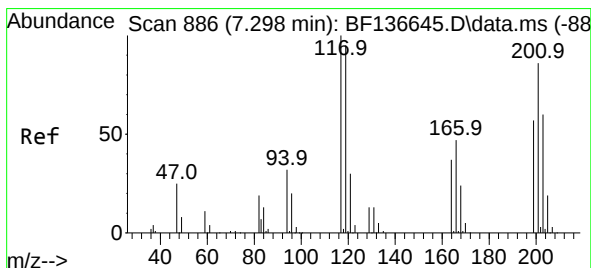
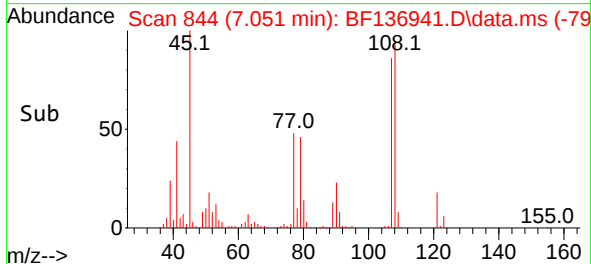
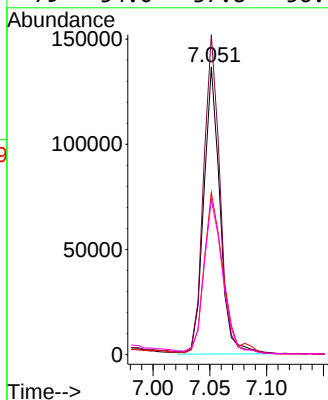


#17  
2-Methylphenol  
Concen: 38.664 ng  
RT: 7.051 min Scan# 844  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

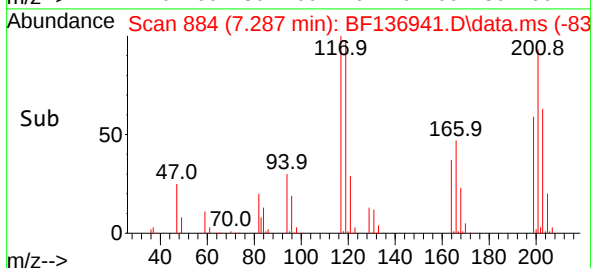
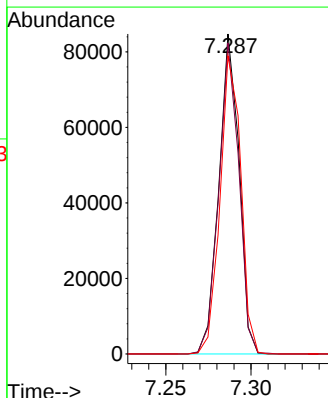
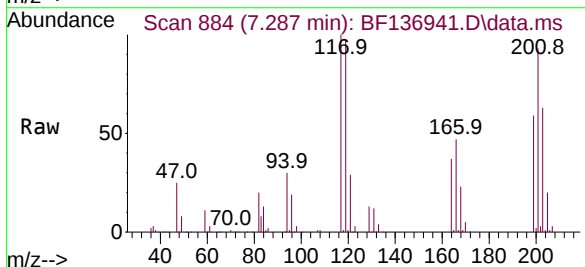


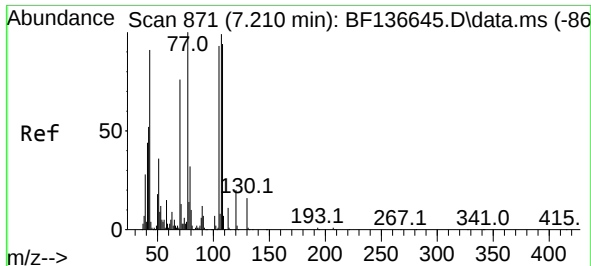
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 135289 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.2 | 90.3  | 135.5  |
| 77       | 56.3  | 38.7  | 58.1   |
| 79       | 54.0  | 37.8  | 56.6   |



#18  
Hexachloroethane  
Concen: 40.862 ng  
RT: 7.287 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 69867 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 97.2  | 75.8  | 113.6 |
| 201      | 93.1  | 69.1  | 103.7 |





#19

n-Nitroso-di-n-propylamine

Concen: 39.074 ng

RT: 7.198 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF136941.D

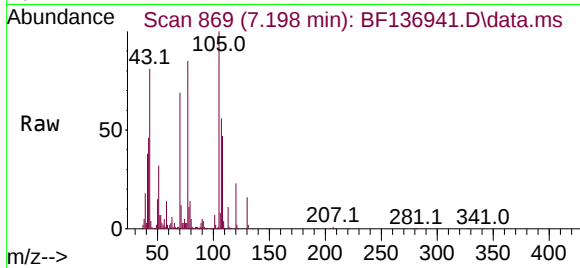
Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD



Tgt Ion: 70 Resp: 118460

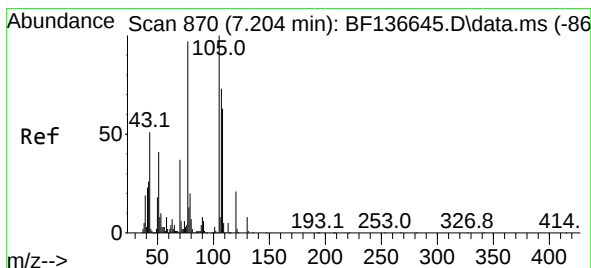
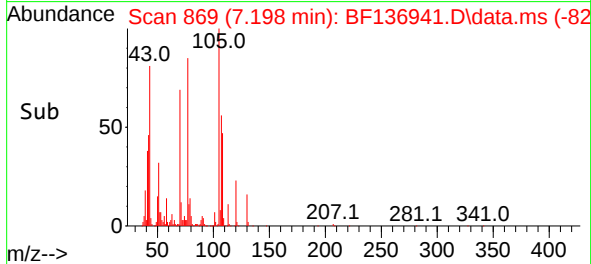
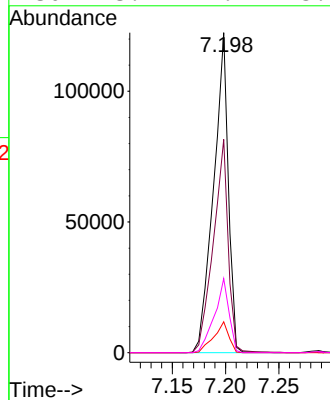
Ion Ratio Lower Upper

70 100

42 66.6 54.2 81.4

101 9.6 7.6 11.4

130 23.1 17.1 25.7



#20

3+4-Methylphenols

Concen: 39.178 ng

RT: 7.204 min Scan# 870

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion: 107 Resp: 171264

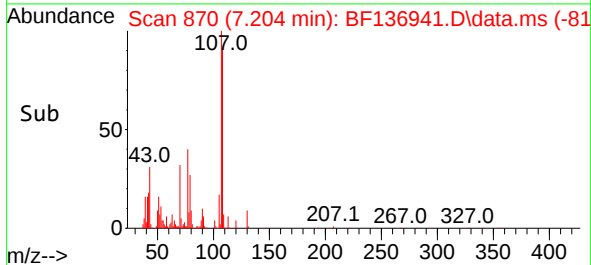
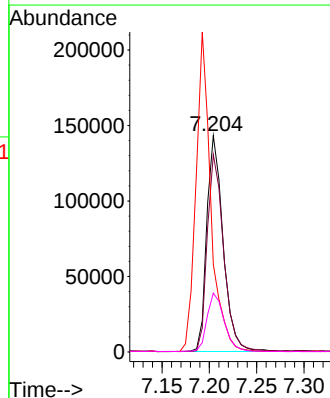
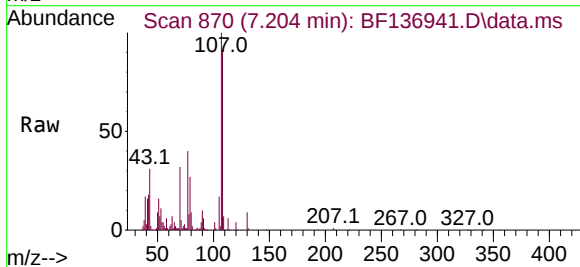
Ion Ratio Lower Upper

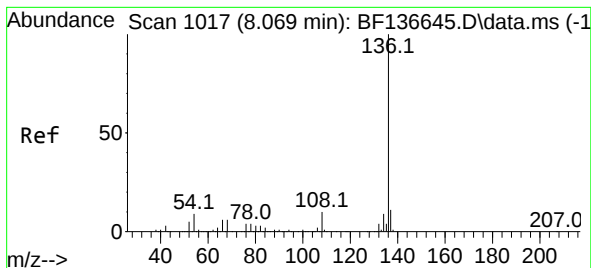
107 100

108 91.2 66.0 106.0

77 40.5 114.2 154.2#

79 27.2 7.2 47.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

Tgt Ion:136 Resp: 220374

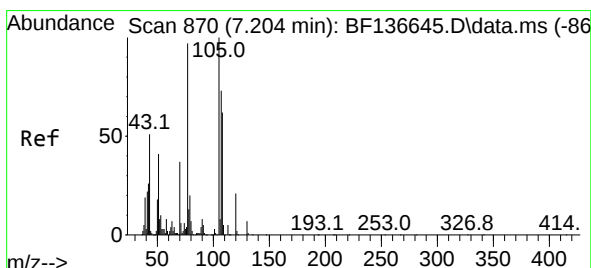
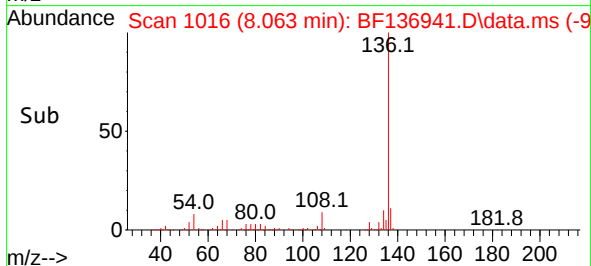
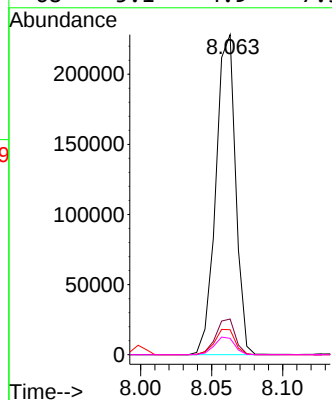
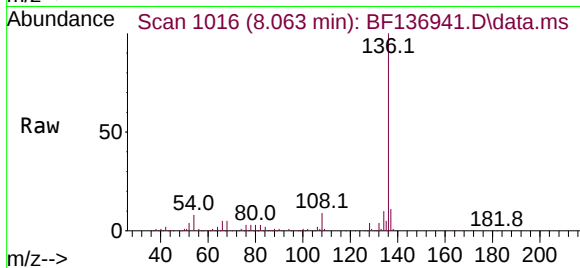
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.4

54 7.8 7.2 10.8

68 5.1 4.9 7.3



#22

Acetophenone

Concen: 45.353 ng

RT: 7.192 min Scan# 868

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion:105 Resp: 250515

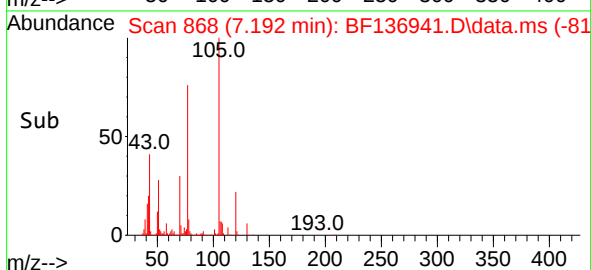
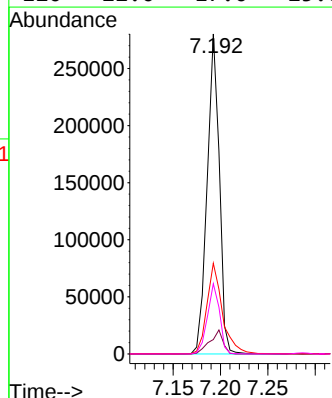
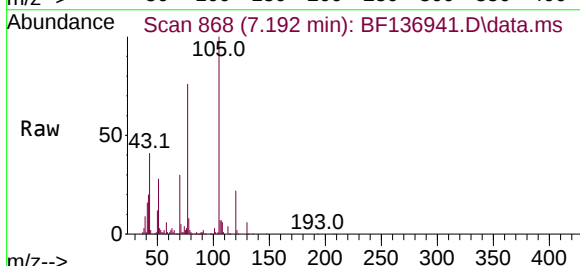
Ion Ratio Lower Upper

105 100

71 4.5 4.8 7.2#

51 28.3 32.8 49.2#

120 22.0 17.0 25.6

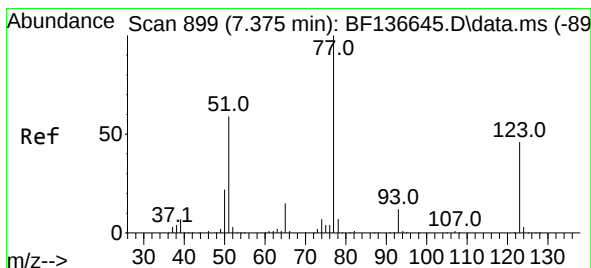
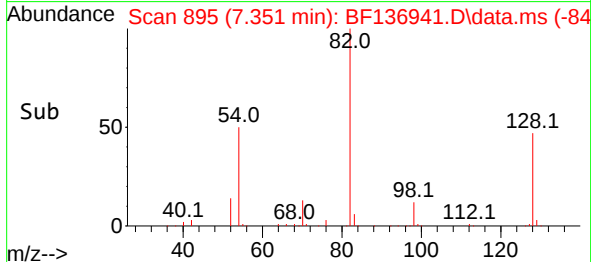
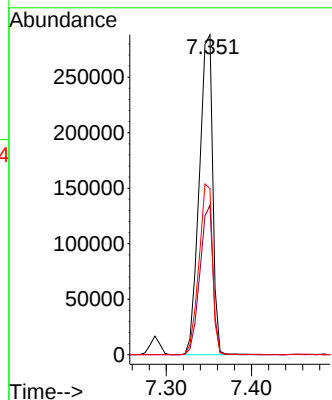
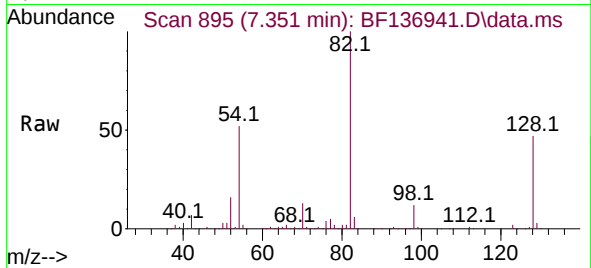




#23  
Nitrobenzene-d5  
Concen: 73.325 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

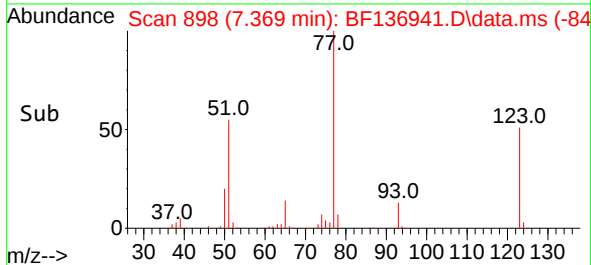
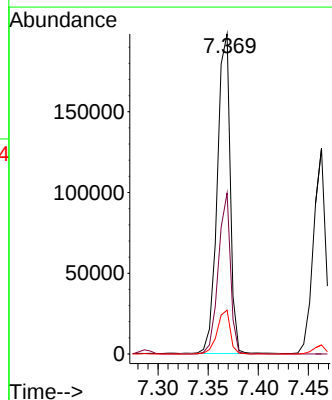
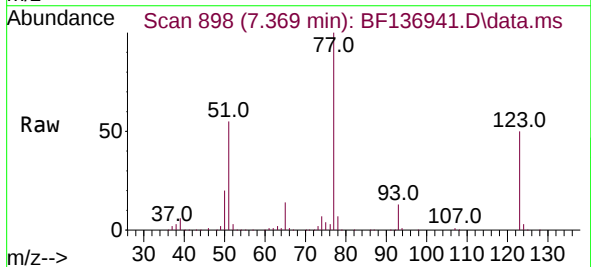
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

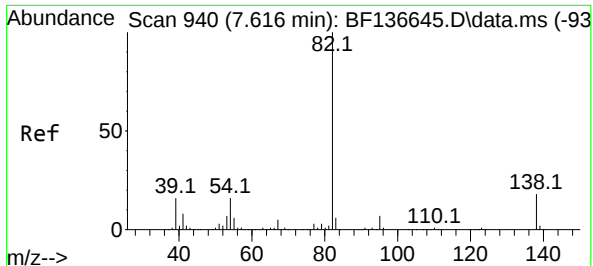
Tgt Ion: 82 Resp: 315782  
Ion Ratio Lower Upper  
82 100  
128 46.6 35.3 52.9  
54 51.9 44.5 66.7



#24  
Nitrobenzene  
Concen: 41.206 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 77 Resp: 177767  
Ion Ratio Lower Upper  
77 100  
123 50.3 36.7 55.1  
65 13.7 11.8 17.6

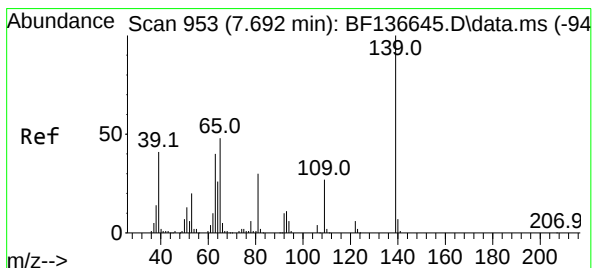
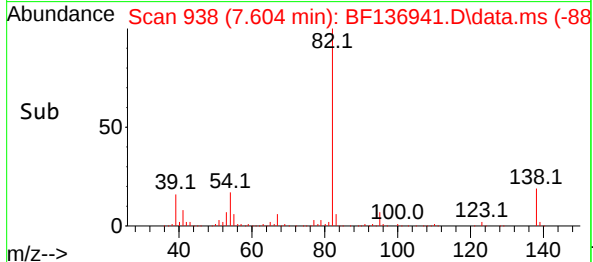
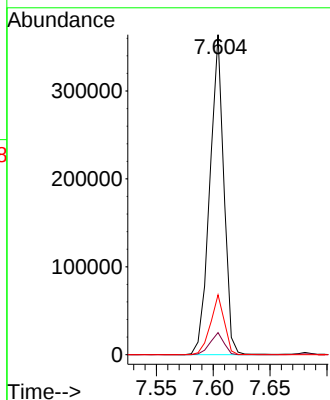
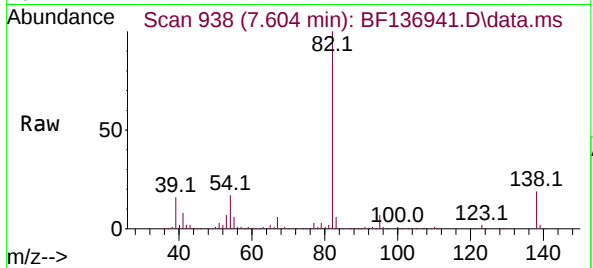




#25  
Isophorone  
Concen: 39.859 ng  
RT: 7.604 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

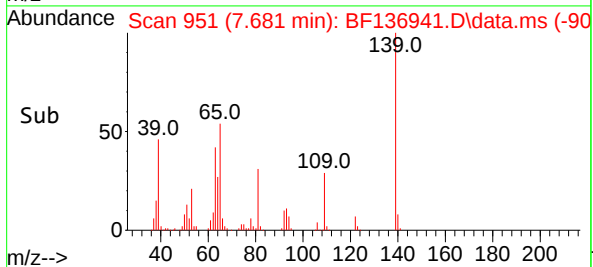
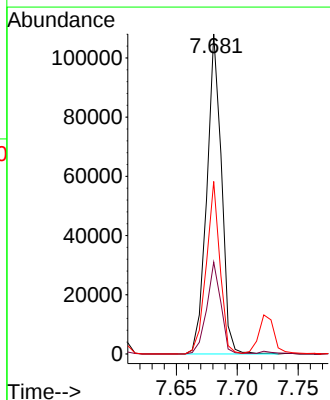
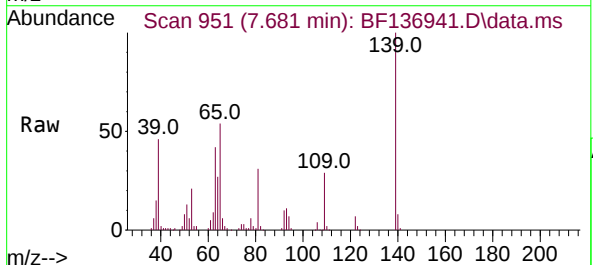
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

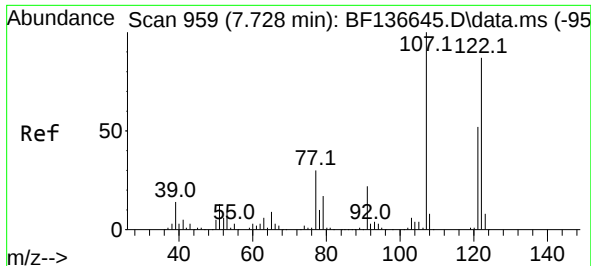
Tgt Ion: 82 Resp: 312348  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.5 8.3  
138 18.7 14.5 21.7



#26  
2-Nitrophenol  
Concen: 43.610 ng  
RT: 7.681 min Scan# 951  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:139 Resp: 90013  
Ion Ratio Lower Upper  
139 100  
109 28.7 21.9 32.9  
65 53.9 38.6 58.0

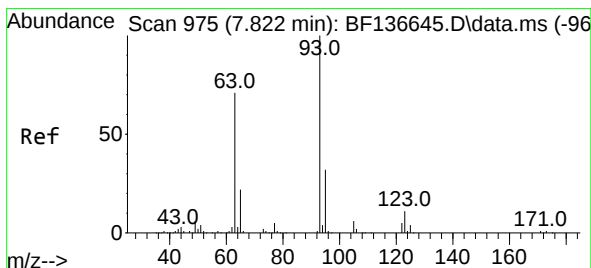
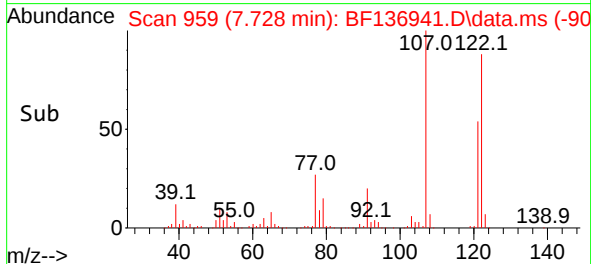
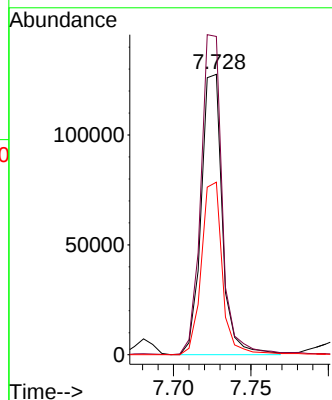
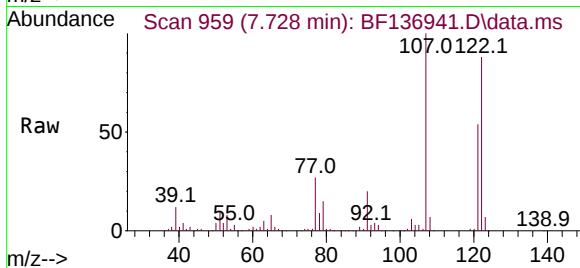




#27  
2,4-Dimethylphenol  
Concen: 48.253 ng  
RT: 7.728 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

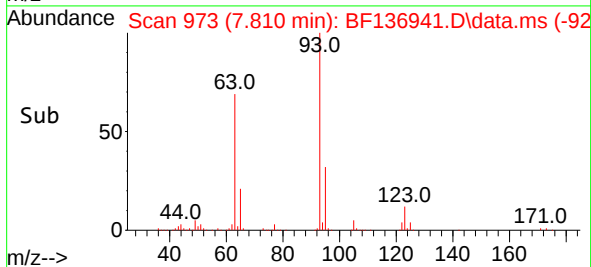
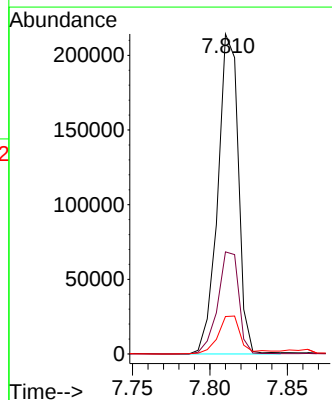
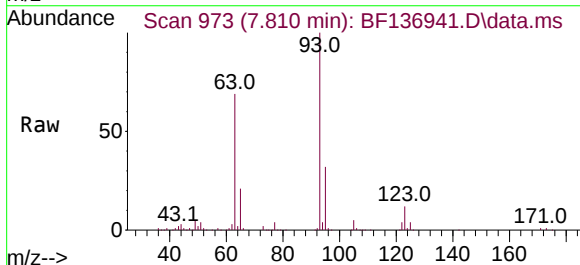
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

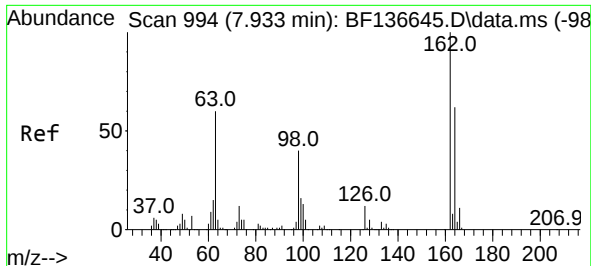
Tgt Ion:122 Resp: 121252  
Ion Ratio Lower Upper  
122 100  
107 113.5 92.0 138.0  
121 61.5 47.5 71.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.449 ng  
RT: 7.810 min Scan# 973  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion: 93 Resp: 197436  
Ion Ratio Lower Upper  
93 100  
95 31.9 25.5 38.3  
123 11.7 9.2 13.8

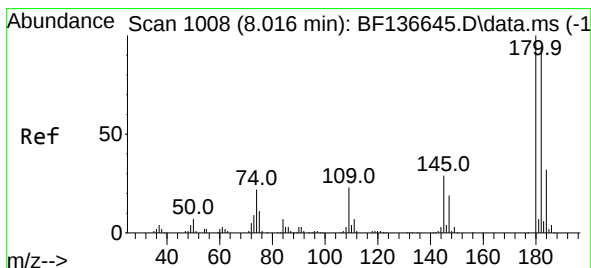
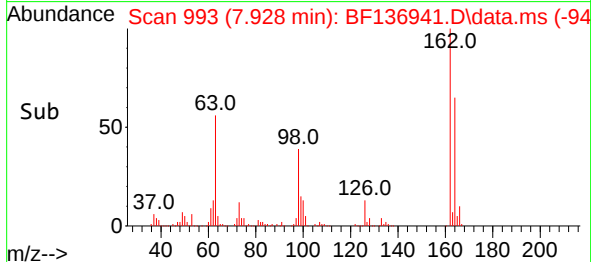
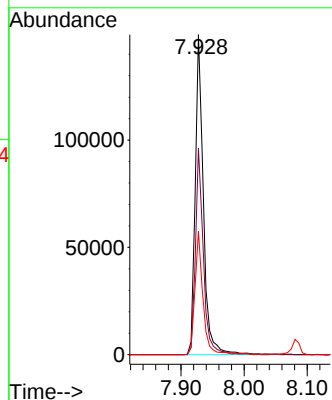
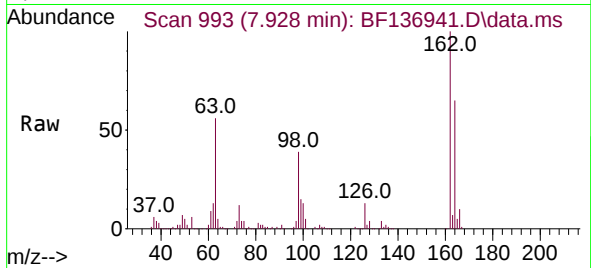




#29  
2,4-Dichlorophenol  
Concen: 41.618 ng  
RT: 7.928 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

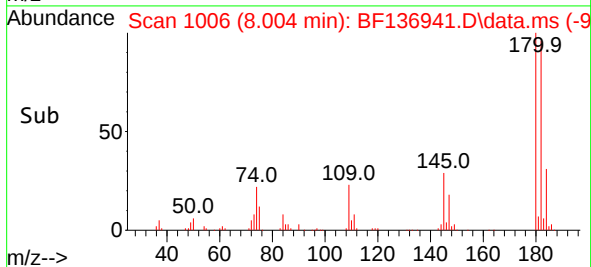
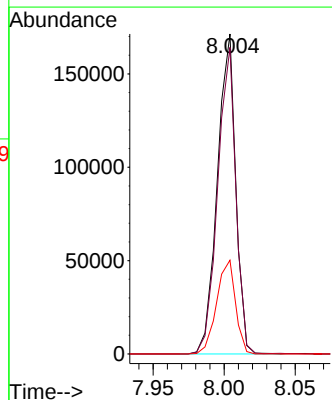
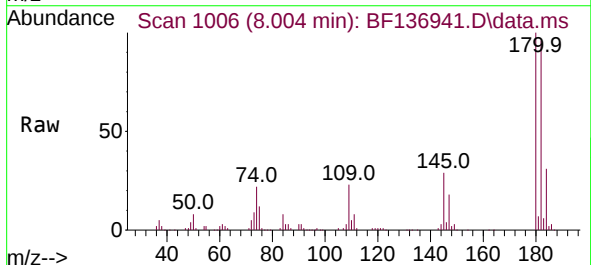
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

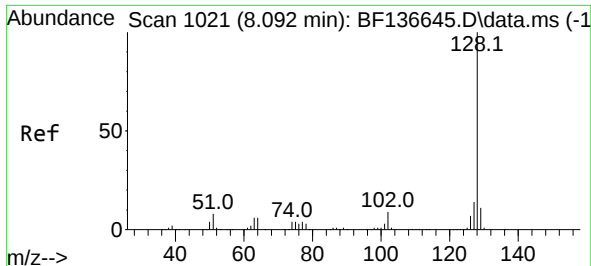
Tgt Ion:162 Resp: 134638  
Ion Ratio Lower Upper  
162 100  
164 64.6 41.7 81.7  
98 38.6 19.5 59.5



#30  
1,2,4-Trichlorobenzene  
Concen: 42.653 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:180 Resp: 153743  
Ion Ratio Lower Upper  
180 100  
182 95.8 75.4 113.0  
145 29.3 23.1 34.7

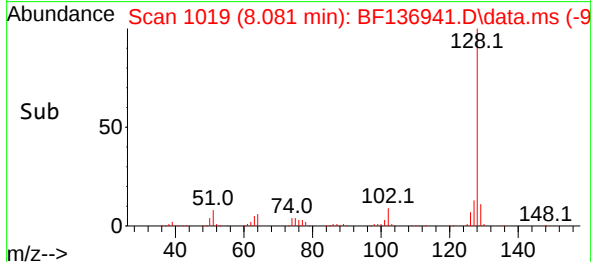
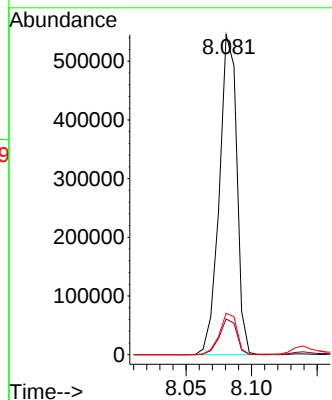
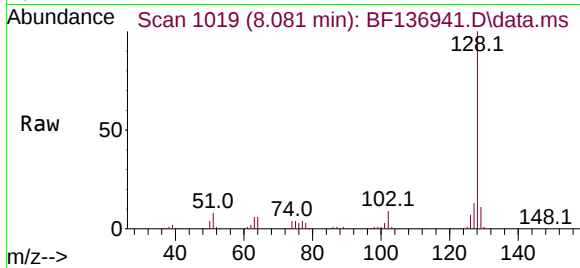




#31  
Naphthalene  
Concen: 41.778 ng  
RT: 8.081 min Scan# 1019  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

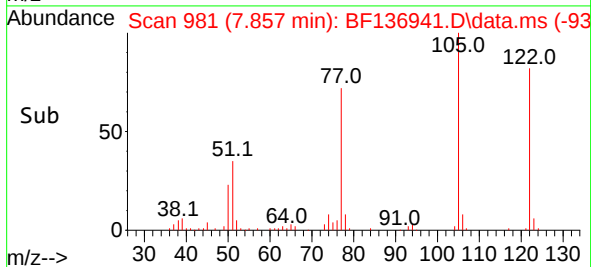
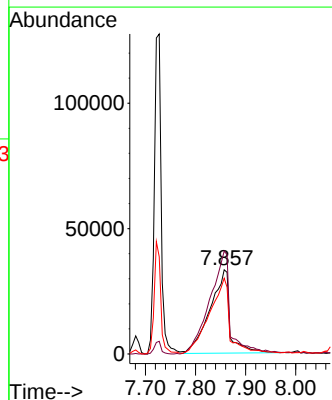
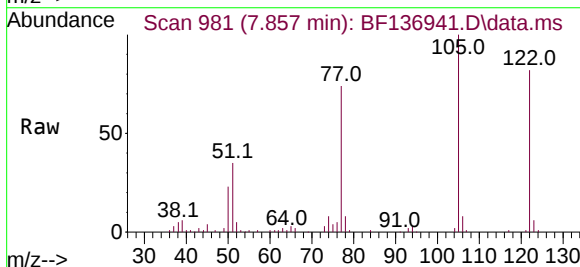
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

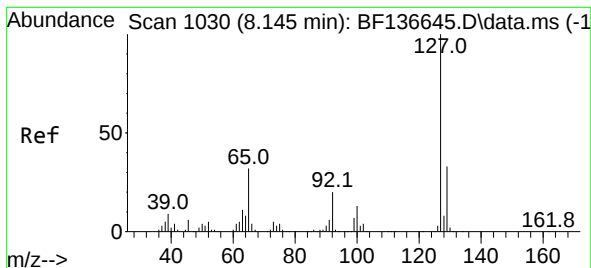
Tgt Ion:128 Resp: 505790  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 12.9 10.8 16.2



#32  
Benzoic acid  
Concen: 38.268 ng  
RT: 7.857 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:122 Resp: 93043  
Ion Ratio Lower Upper  
122 100  
105 122.2 100.8 140.8  
77 89.9 70.9 110.9





#33

4-Chloroaniline

Concen: 5.250 ng

RT: 8.139 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

Tgt Ion:127 Resp: 23467

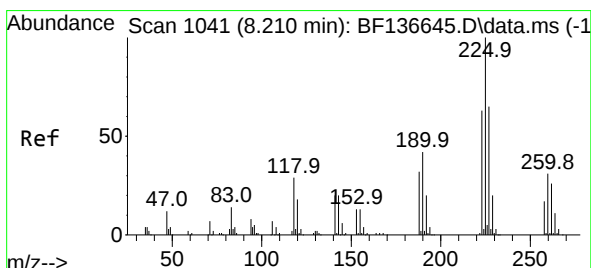
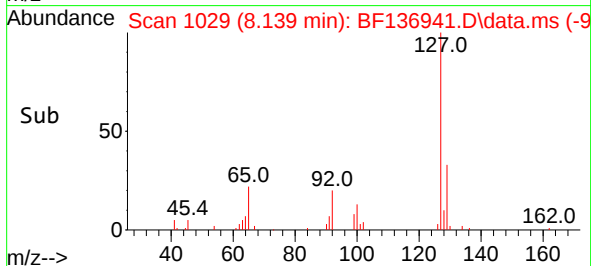
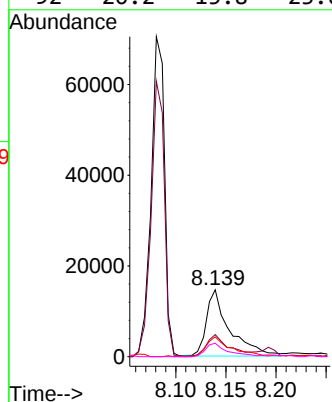
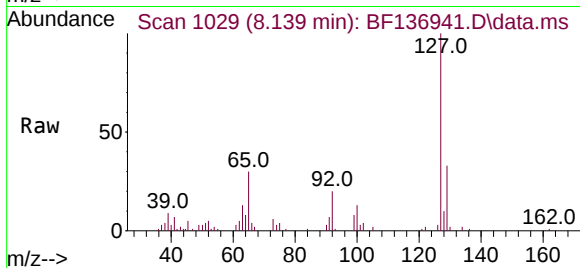
Ion Ratio Lower Upper

127 100

129 33.1 26.3 39.5

65 29.6 25.8 38.8

92 20.2 15.8 23.6



#34

Hexachlorobutadiene

Concen: 41.707 ng

RT: 8.192 min Scan# 1038

Delta R.T. -0.018 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

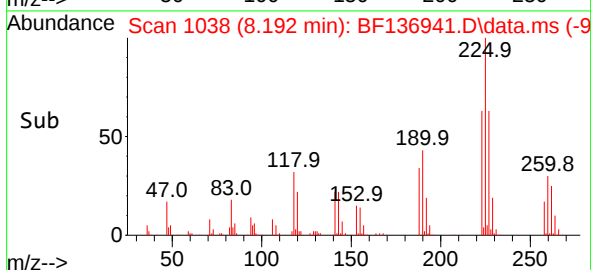
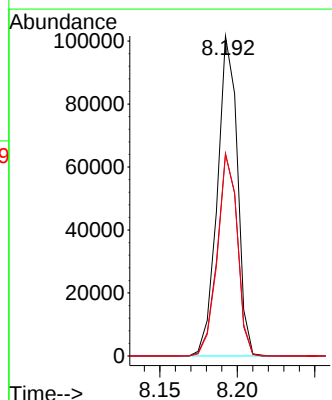
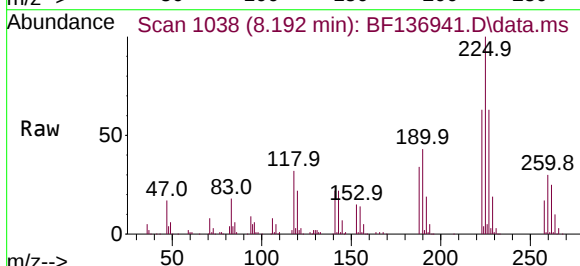
Tgt Ion:225 Resp: 91337

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

227 63.1 51.9 77.9

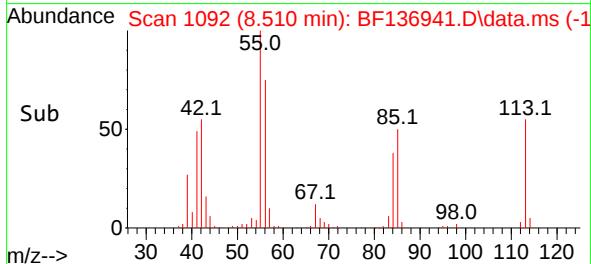
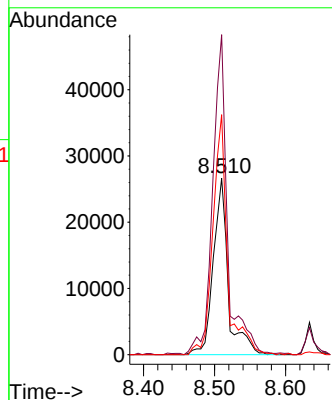
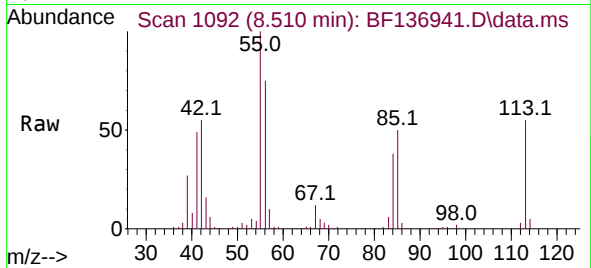




#35  
Caprolactam  
Concen: 36.413 ng  
RT: 8.510 min Scan# 1092  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

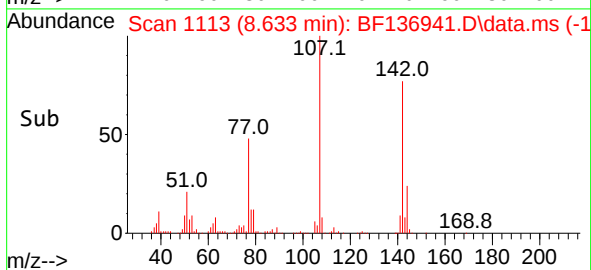
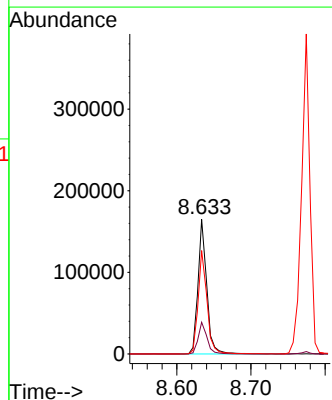
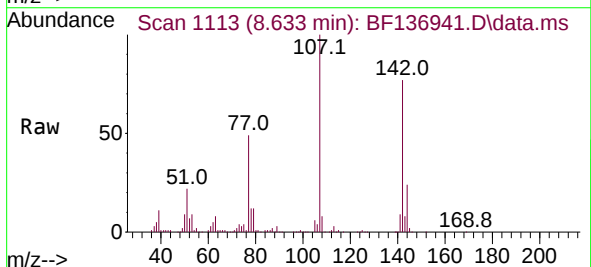
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

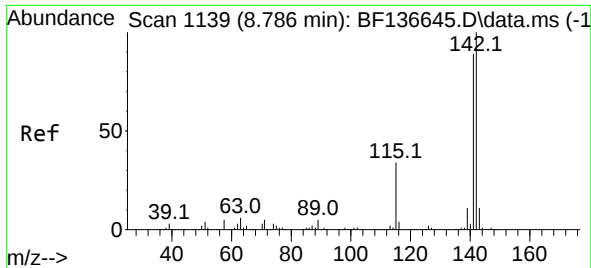
Tgt Ion:113 Resp: 38861  
Ion Ratio Lower Upper  
113 100  
55 181.2 163.1 203.1  
56 136.0 121.7 161.7



#36  
4-Chloro-3-methylphenol  
Concen: 37.055 ng  
RT: 8.633 min Scan# 1113  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:107 Resp: 134956  
Ion Ratio Lower Upper  
107 100  
144 23.6 20.2 30.2  
142 76.7 62.3 93.5





#37

2-Methylnaphthalene

Concen: 39.921 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

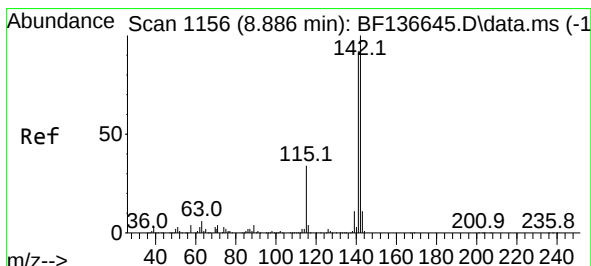
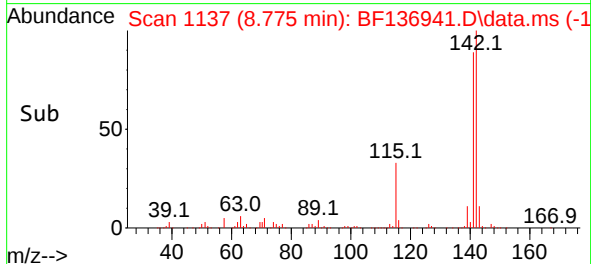
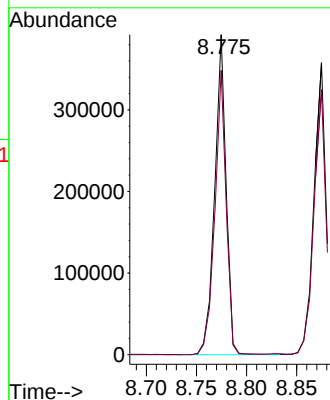
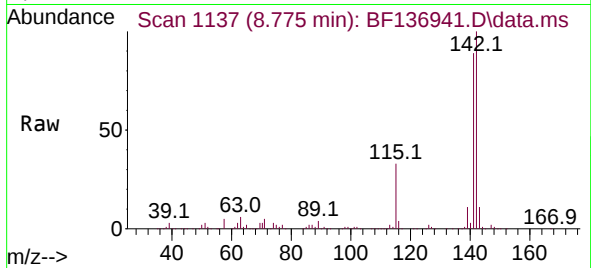
GHL-SS-36aMSD

Tgt Ion:142 Resp: 311043

Ion Ratio Lower Upper

142 100

141 88.8 71.1 106.7



#38

1-Methylnaphthalene

Concen: 38.614 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.012 min

Lab File: BF136941.D

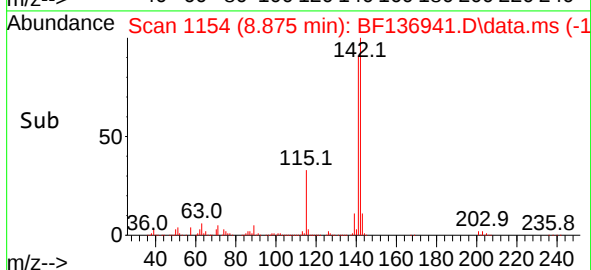
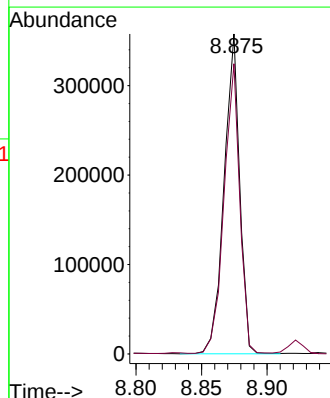
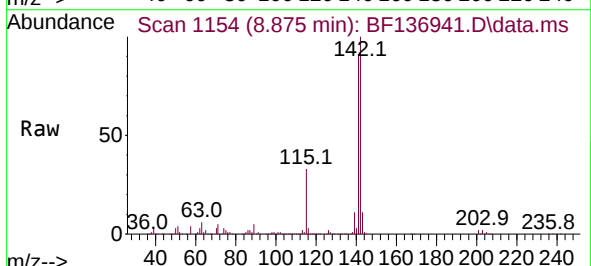
Acq: 04 Jan 2024 15:14

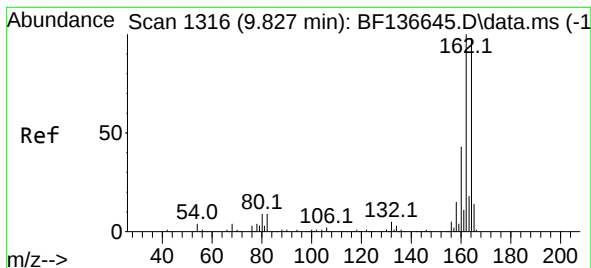
Tgt Ion:142 Resp: 295170

Ion Ratio Lower Upper

142 100

141 90.7 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: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

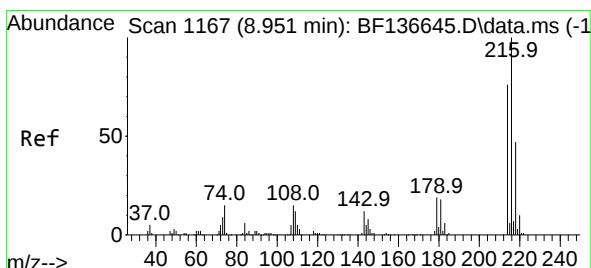
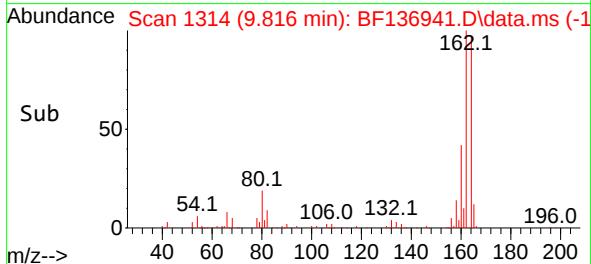
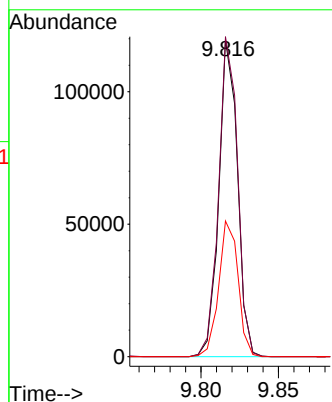
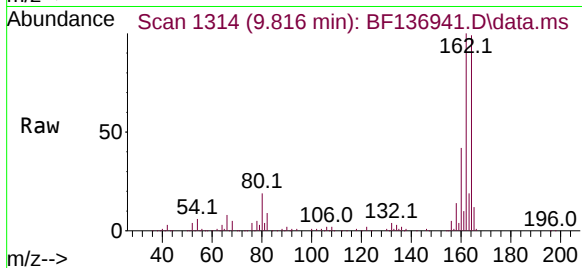
Tgt Ion:164 Resp: 99894

Ion Ratio Lower Upper

164 100

162 101.1 81.6 122.4

160 42.9 34.9 52.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.387 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion:216 Resp: 155880

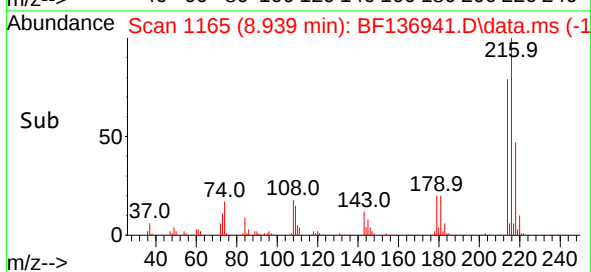
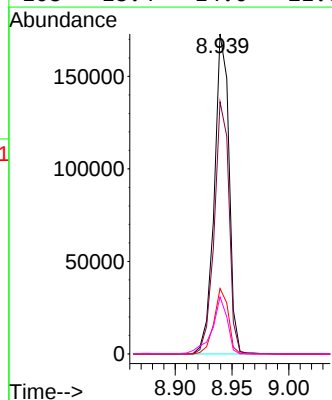
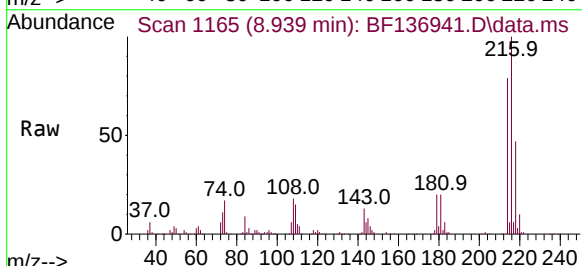
Ion Ratio Lower Upper

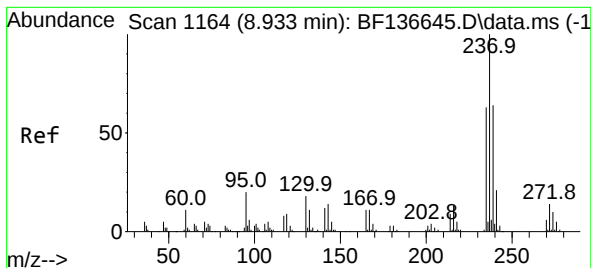
216 100

214 78.6 62.3 93.5

179 19.8 16.4 24.6

108 18.4 14.0 21.0





#41

Hexachlorocyclopentadiene

Concen: 100.811 ng

RT: 8.922 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

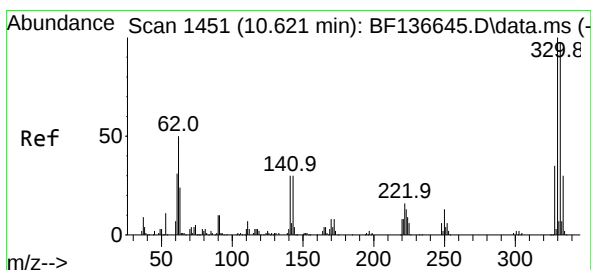
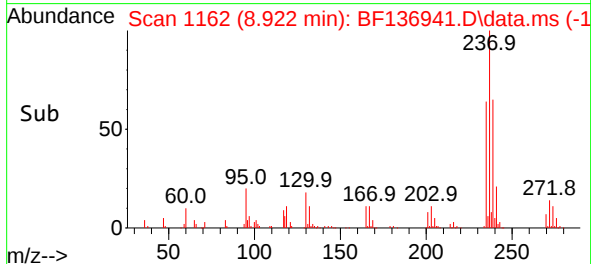
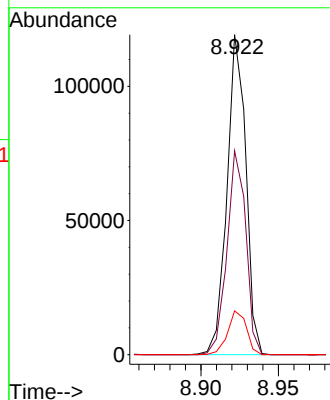
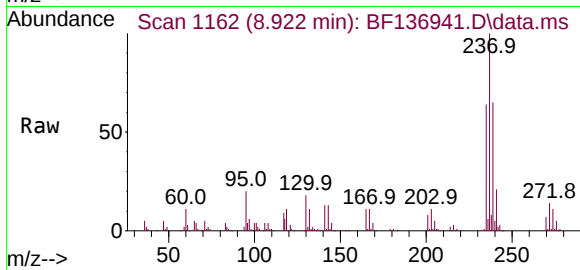
Tgt Ion:237 Resp: 100779

Ion Ratio Lower Upper

237 100

235 63.7 43.2 83.2

272 13.7 0.0 34.2



#42

2,4,6-Tribromophenol

Concen: 97.054 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

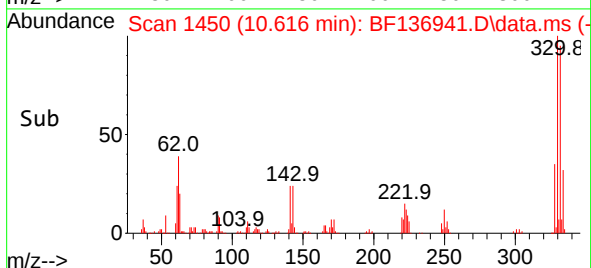
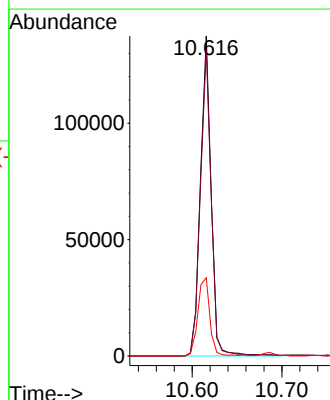
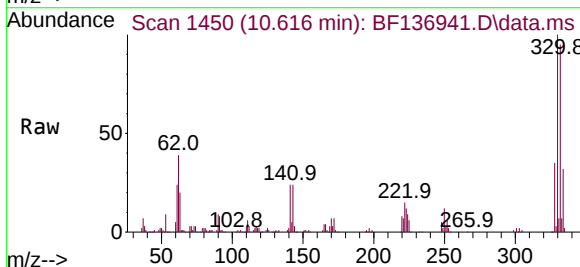
Tgt Ion:330 Resp: 114181

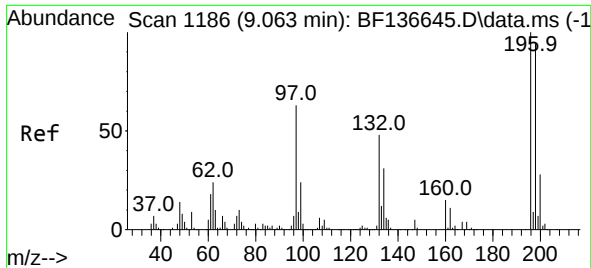
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 27.5 23.4 35.2

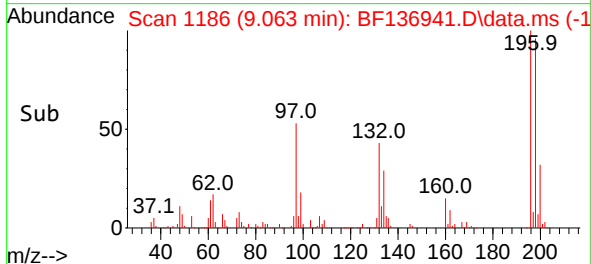
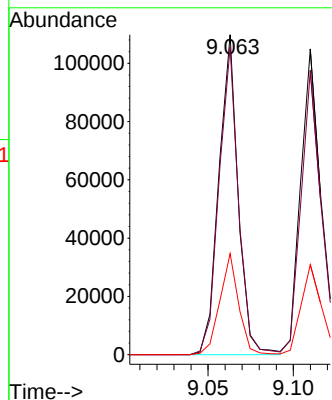
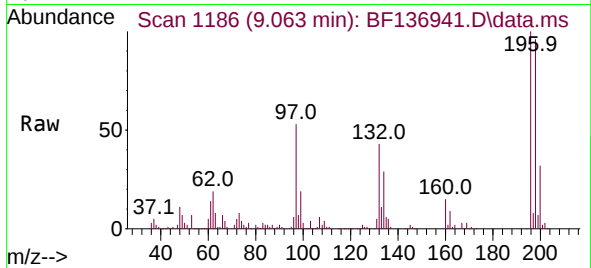




#43  
2,4,6-Trichlorophenol  
Concen: 43.652 ng  
RT: 9.063 min Scan# 1186  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

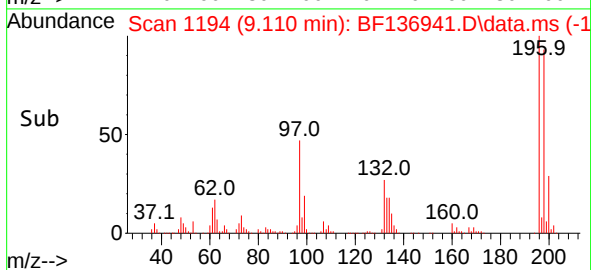
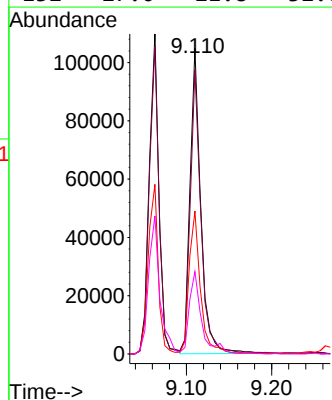
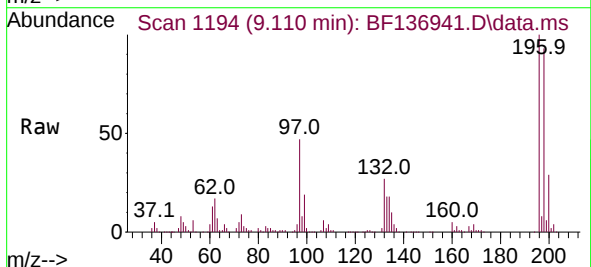
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

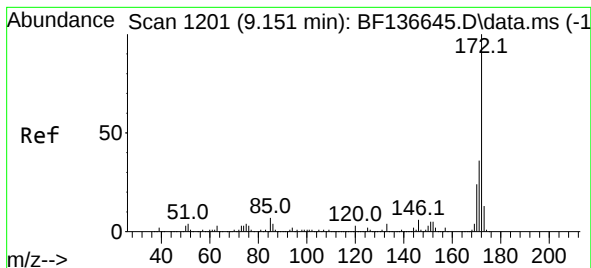
Tgt Ion:196 Resp: 86606  
Ion Ratio Lower Upper  
196 100  
198 96.2 75.1 112.7  
200 31.6 22.5 33.7



#44  
2,4,5-Trichlorophenol  
Concen: 41.685 ng  
RT: 9.110 min Scan# 1194  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:196 Resp: 92162  
Ion Ratio Lower Upper  
196 100  
198 92.9 77.0 115.6  
97 46.8 36.1 54.1  
132 27.0 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 76.485 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

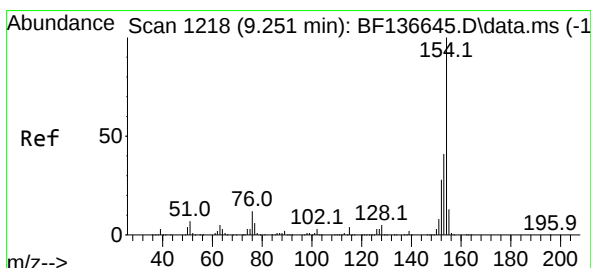
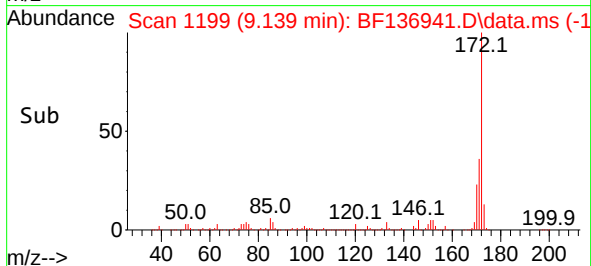
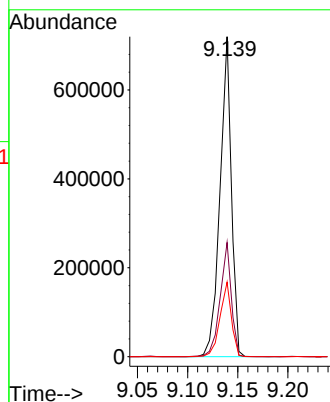
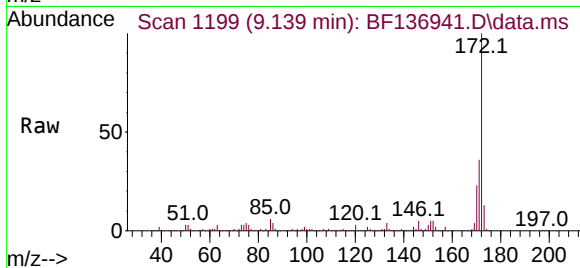
Tgt Ion:172 Resp: 568067

Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.6

170 23.3 19.0 28.4



#46

1,1'-Biphenyl

Concen: 46.956 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

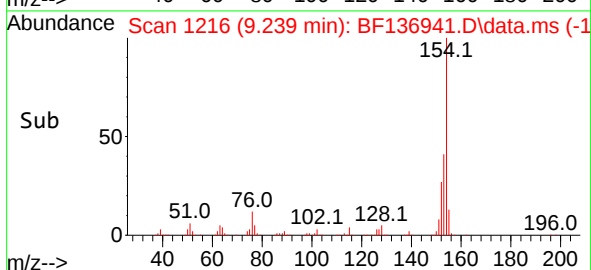
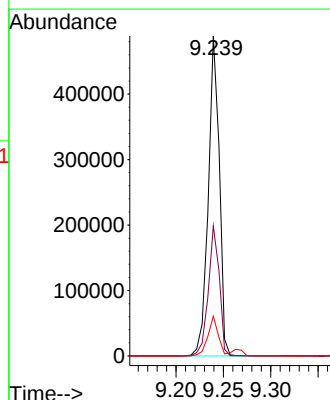
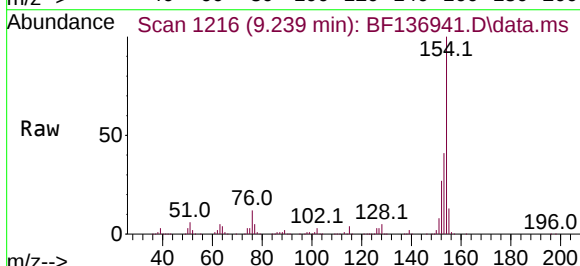
Tgt Ion:154 Resp: 393613

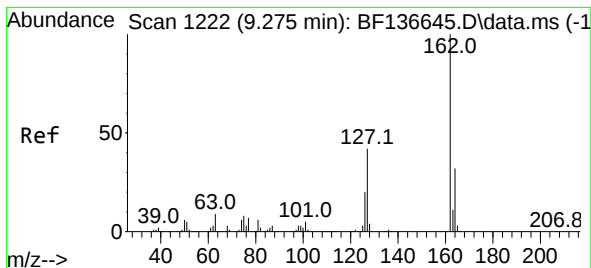
Ion Ratio Lower Upper

154 100

153 40.7 21.1 61.1

76 12.5 0.0 31.7





#47

2-Chloronaphthalene

Concen: 45.418 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

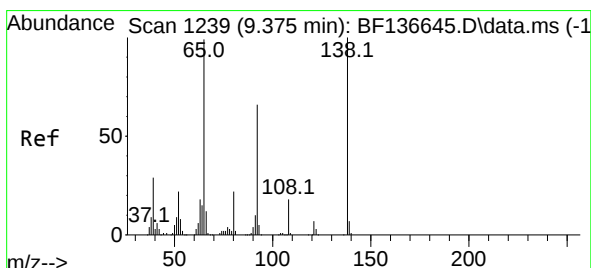
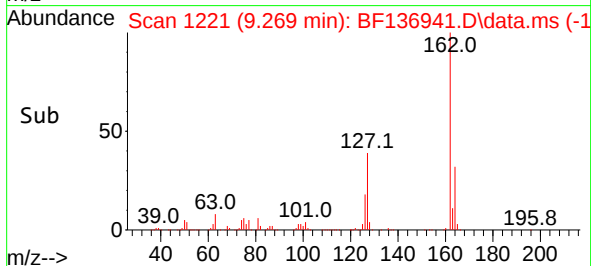
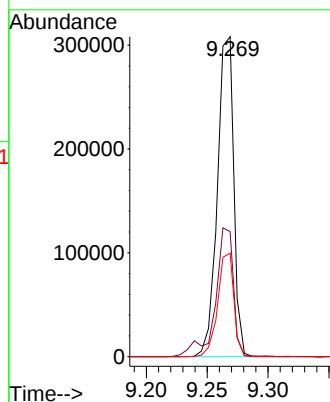
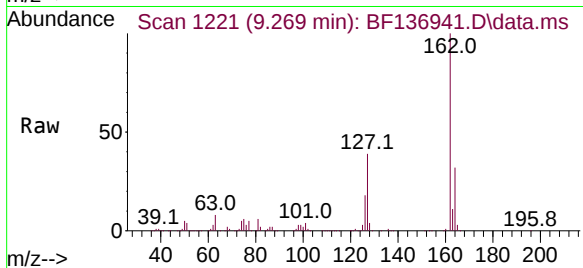
Tgt Ion:162 Resp: 289430

Ion Ratio Lower Upper

162 100

127 39.1 33.6 50.4

164 32.4 25.7 38.5



#48

2-Nitroaniline

Concen: 39.798 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

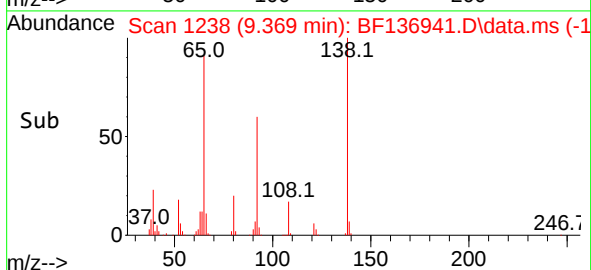
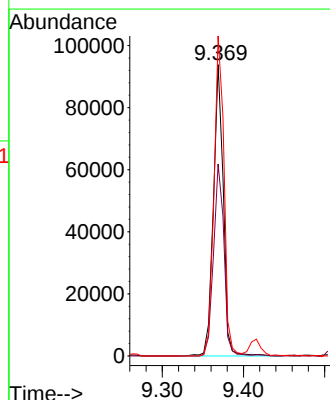
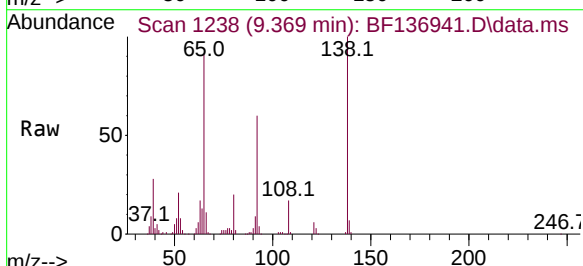
Tgt Ion: 65 Resp: 79420

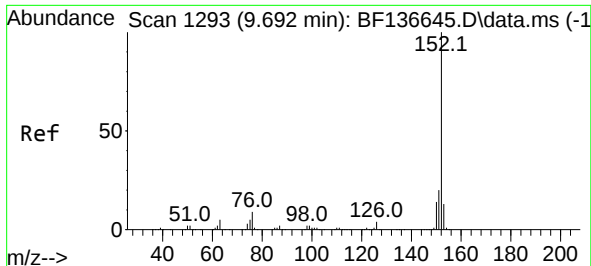
Ion Ratio Lower Upper

65 100

92 65.9 53.2 79.8

138 109.9 81.1 121.7

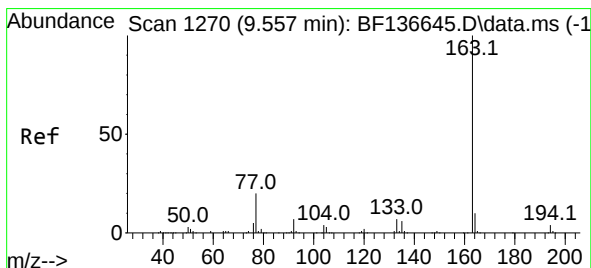
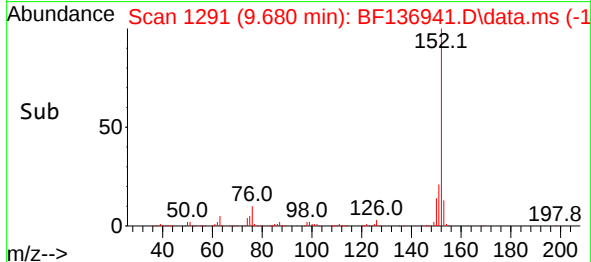
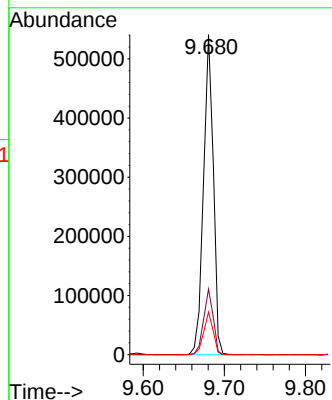
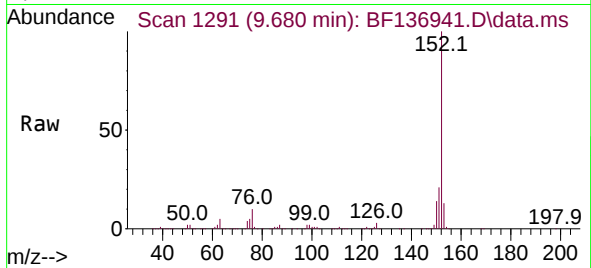




#49  
Acenaphthylene  
Concen: 46.709 ng  
RT: 9.680 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

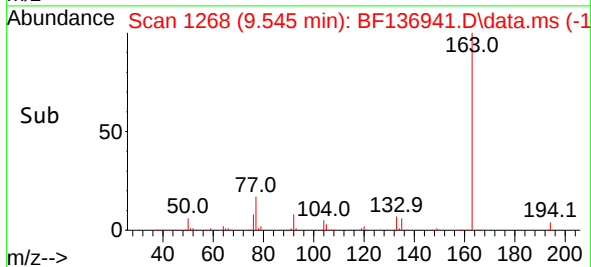
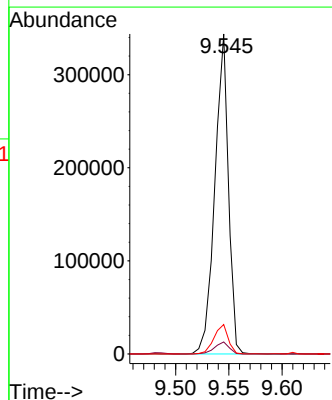
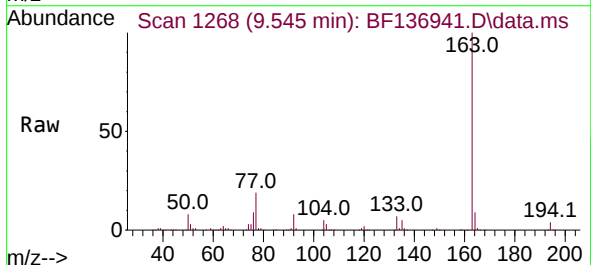
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

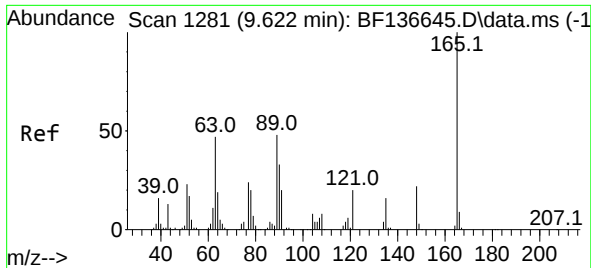
Tgt Ion:152 Resp: 454965  
Ion Ratio Lower Upper  
152 100  
151 20.5 16.2 24.4  
153 13.3 10.2 15.2



#50  
Dimethylphthalate  
Concen: 41.620 ng  
RT: 9.545 min Scan# 1268  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:163 Resp: 303683  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.3 4.9  
164 9.2 7.8 11.6

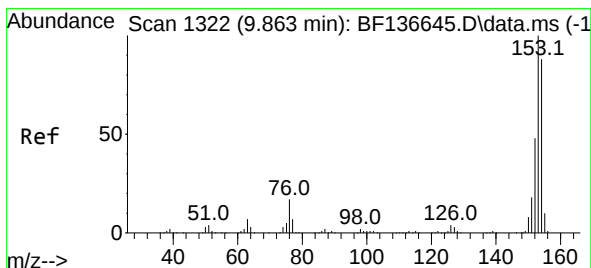
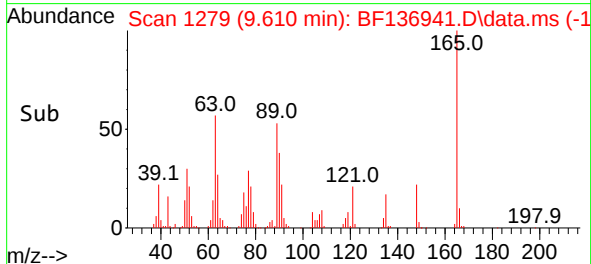
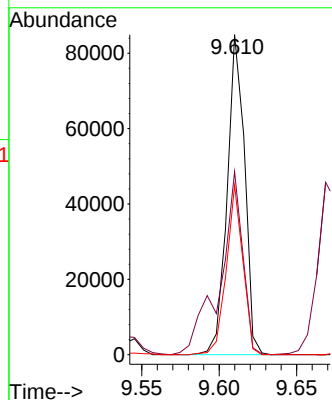
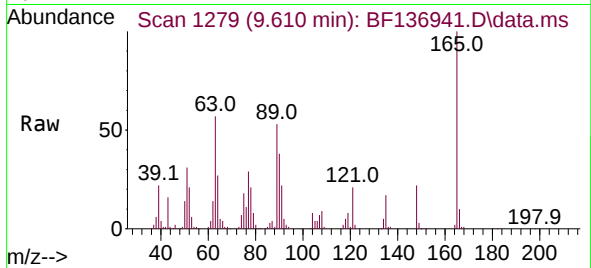




#51  
2,6-Dinitrotoluene  
Concen: 40.219 ng  
RT: 9.610 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

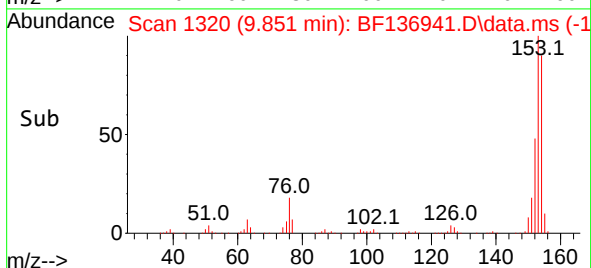
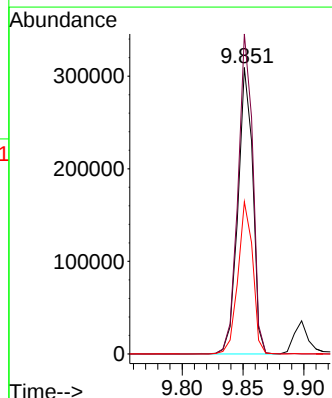
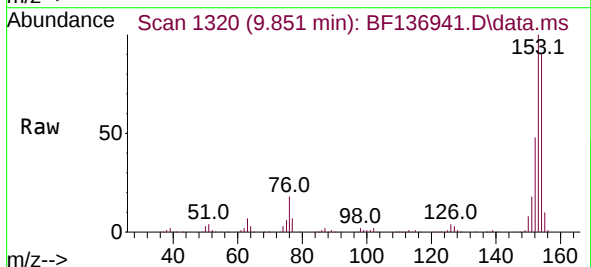
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

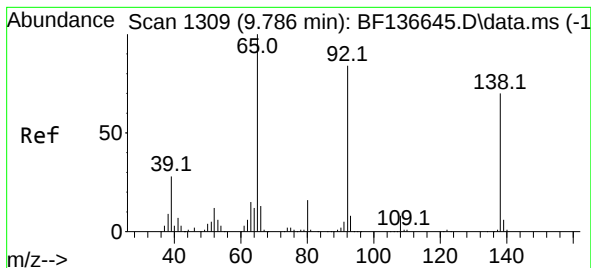
Tgt Ion:165 Resp: 66601  
Ion Ratio Lower Upper  
165 100  
63 57.2 39.8 59.6  
89 53.0 38.8 58.2



#52  
Acenaphthene  
Concen: 43.609 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:154 Resp: 263305  
Ion Ratio Lower Upper  
154 100  
153 111.7 90.7 136.1  
152 53.1 43.7 65.5





#53

3-Nitroaniline

Concen: 18.254 ng

RT: 9.780 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

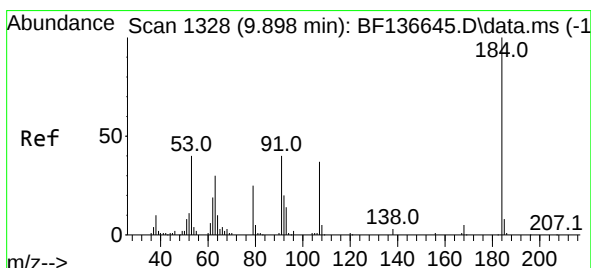
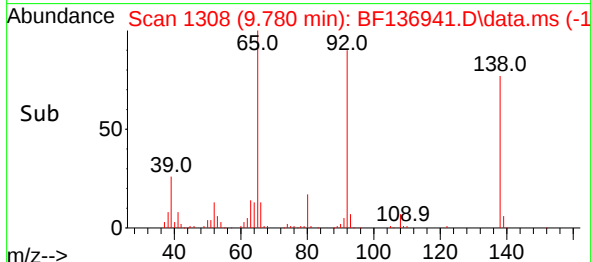
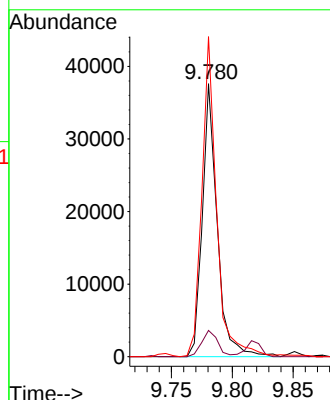
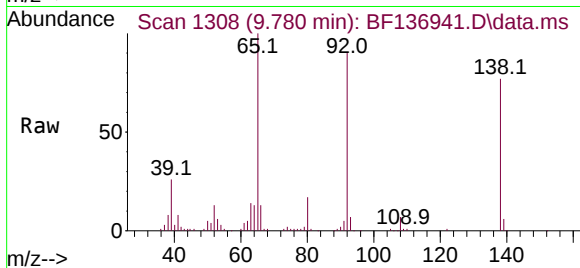
Tgt Ion:138 Resp: 32021

Ion Ratio Lower Upper

138 100

108 9.6 8.6 12.8

92 117.2 95.2 142.8



#54

2,4-Dinitrophenol

Concen: 61.935 ng

RT: 9.898 min Scan# 1328

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

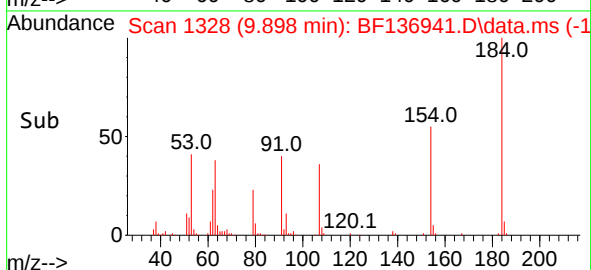
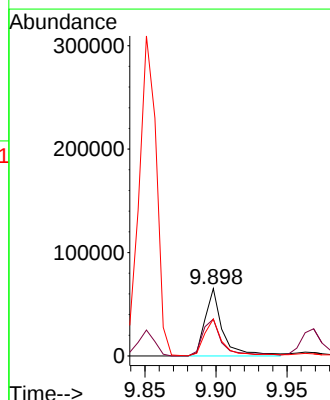
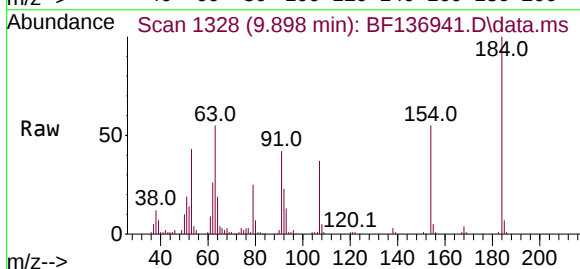
Tgt Ion:184 Resp: 56030

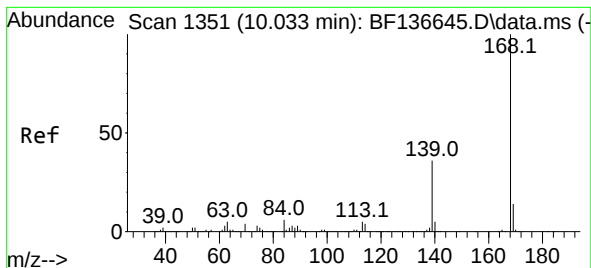
Ion Ratio Lower Upper

184 100

63 54.7 40.9 61.3

154 54.9 42.7 64.1





#55

Dibenzenofuran

Concen: 42.848 ng

RT: 10.028 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

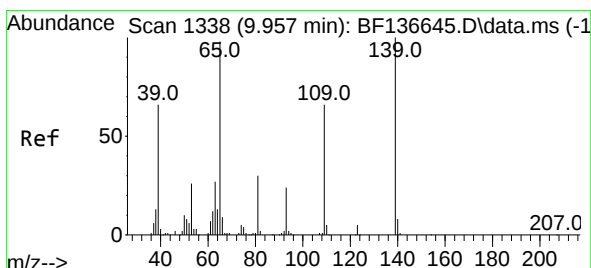
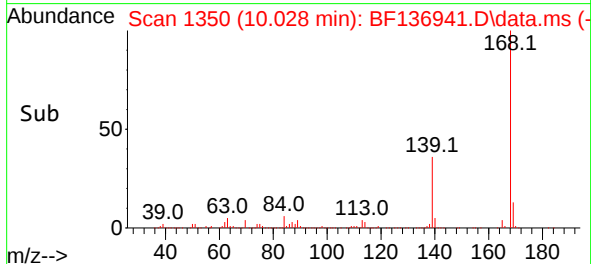
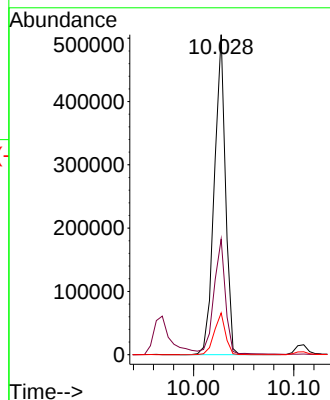
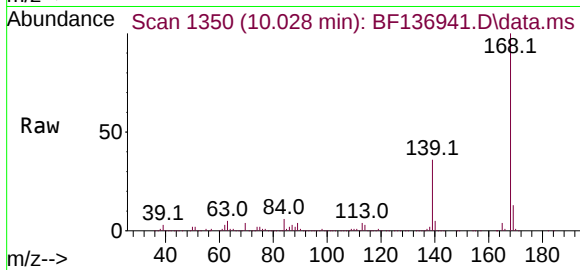
Tgt Ion:168 Resp: 392175

Ion Ratio Lower Upper

168 100

139 36.1 29.3 43.9

169 13.0 11.0 16.4



#56

4-Nitrophenol

Concen: 61.609 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

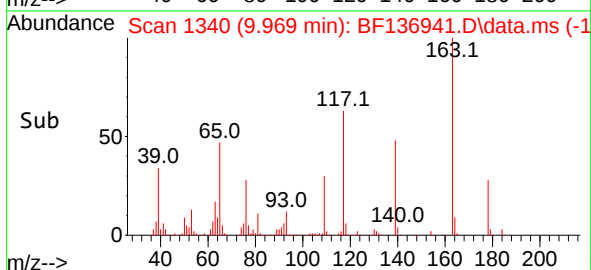
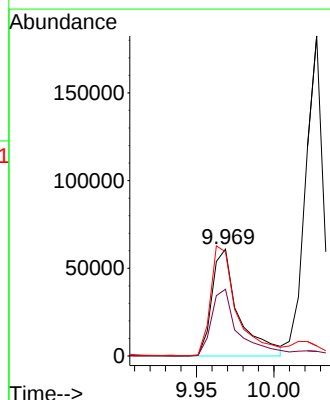
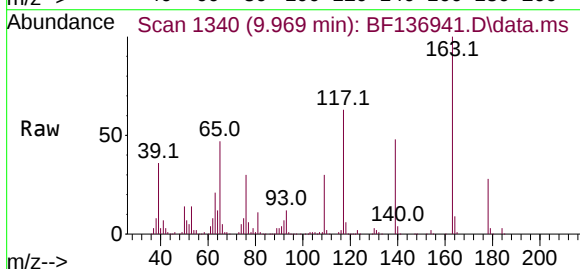
Tgt Ion:139 Resp: 72955

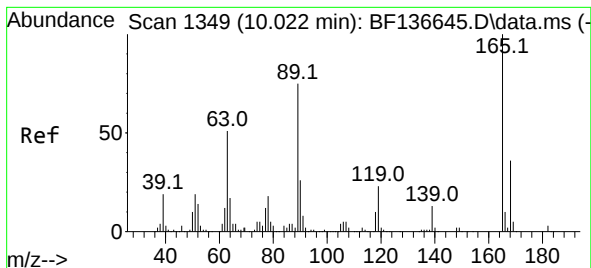
Ion Ratio Lower Upper

139 100

109 62.4 45.8 85.8

65 97.5 77.8 117.8

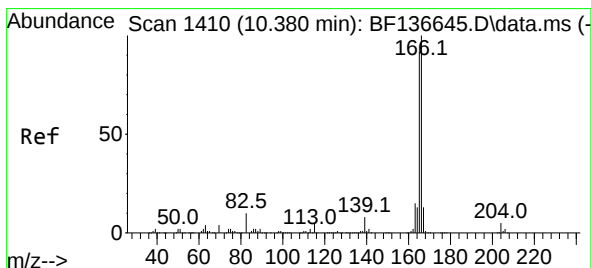
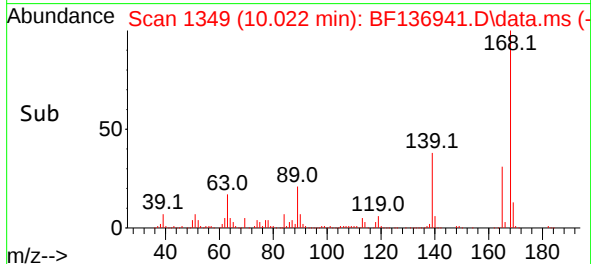
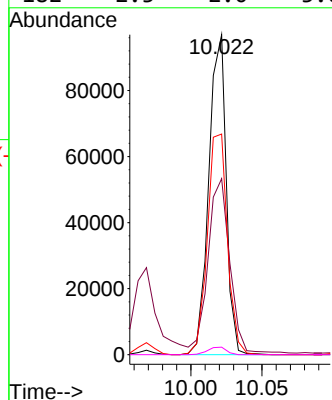
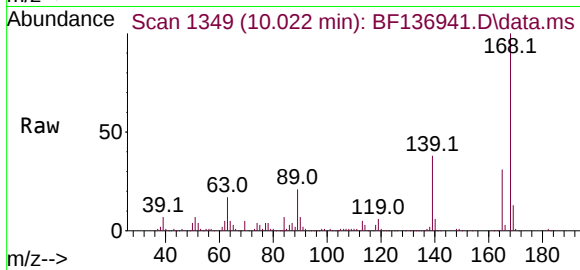




#57  
2,4-Dinitrotoluene  
Concen: 38.553 ng  
RT: 10.022 min Scan# 1407  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

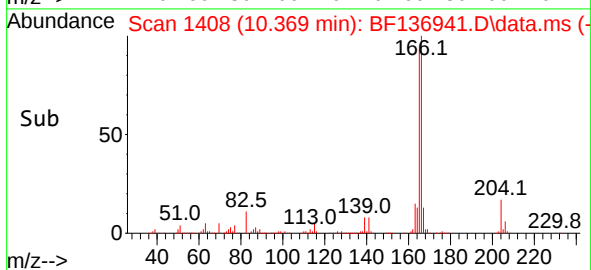
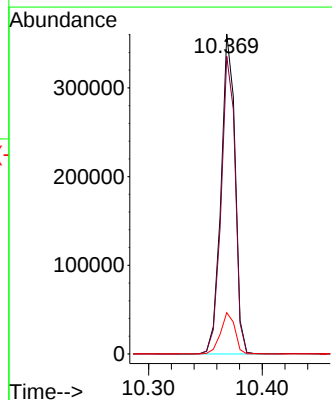
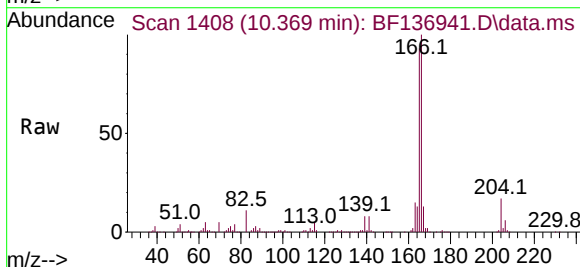
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

Tgt Ion:165 Resp: 82878  
Ion Ratio Lower Upper  
165 100  
63 55.0 41.0 61.6  
89 69.0 59.9 89.9  
182 2.3 2.0 3.0



#58  
Fluorene  
Concen: 42.812 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:166 Resp: 310910  
Ion Ratio Lower Upper  
166 100  
165 93.0 73.7 110.5  
167 12.9 10.4 15.6

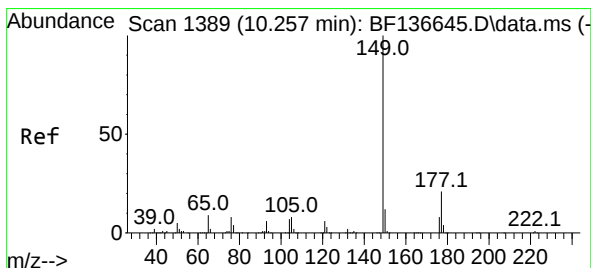
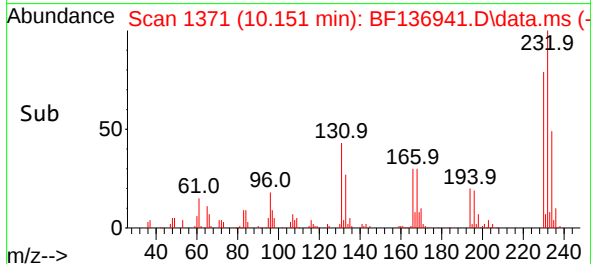
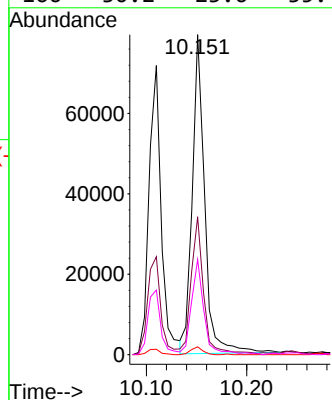
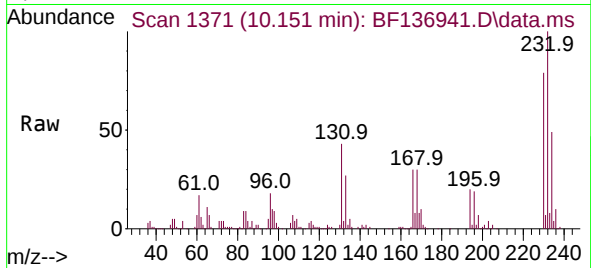




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.114 ng  
RT: 10.151 min Scan# 1372  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

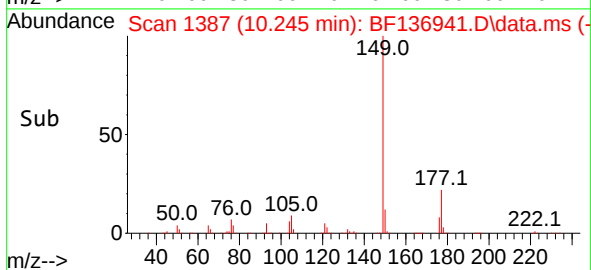
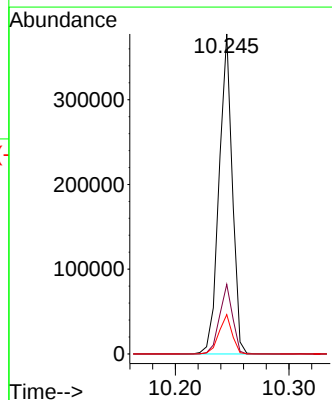
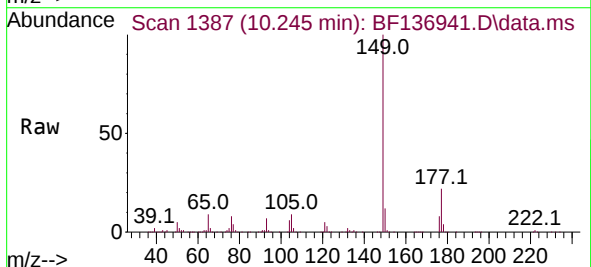
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

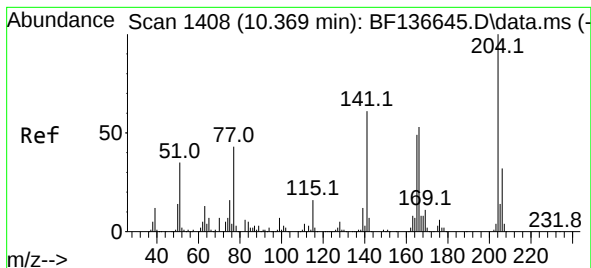
Tgt Ion:232 Resp: 68271  
Ion Ratio Lower Upper  
232 100  
131 42.8 35.1 52.7  
130 2.3 1.6 2.4  
166 30.2 23.6 35.4



#60  
Diethylphthalate  
Concen: 40.293 ng  
RT: 10.245 min Scan# 1387  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:149 Resp: 305038  
Ion Ratio Lower Upper  
149 100  
177 21.8 16.9 25.3  
150 12.3 9.3 13.9

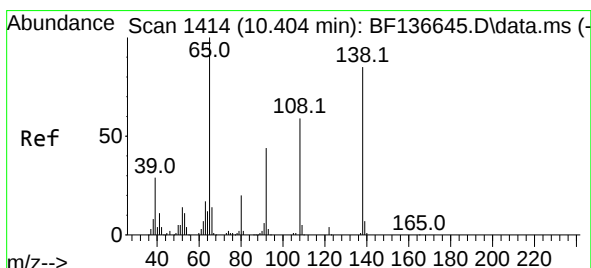
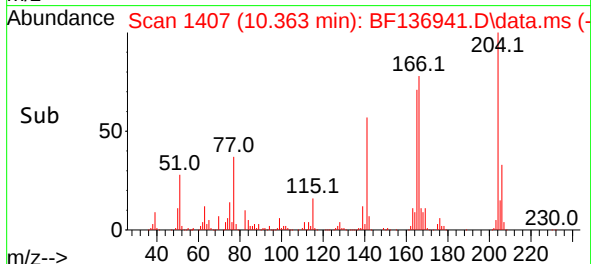
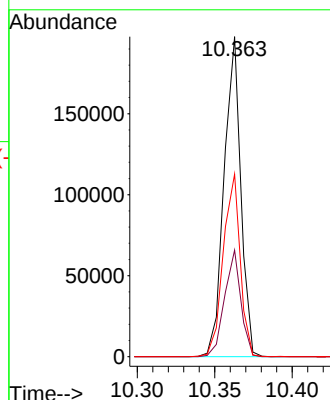
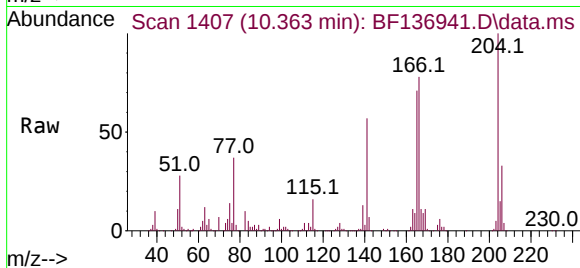




#61  
4-Chlorophenyl-phenylether  
Concen: 41.885 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

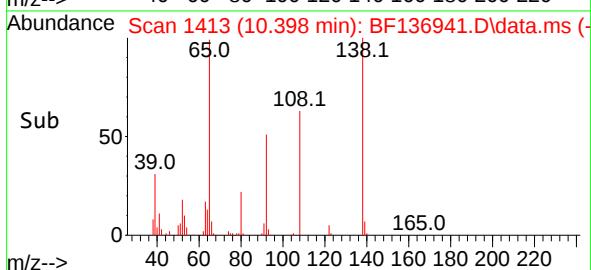
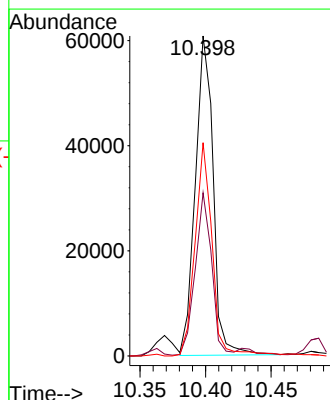
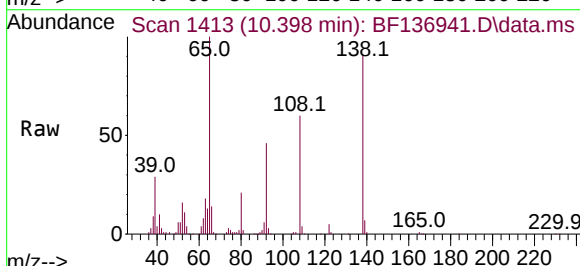
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

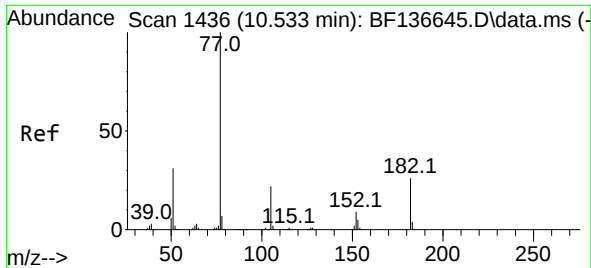
Tgt Ion:204 Resp: 147852  
Ion Ratio Lower Upper  
204 100  
206 33.3 25.6 38.4  
141 57.1 48.4 72.6



#62  
4-Nitroaniline  
Concen: 33.985 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:138 Resp: 57470  
Ion Ratio Lower Upper  
138 100  
92 51.0 32.1 72.1  
108 66.7 50.1 90.1

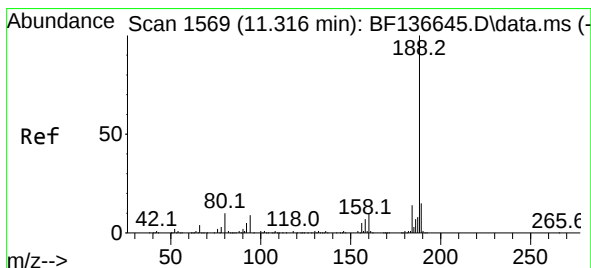
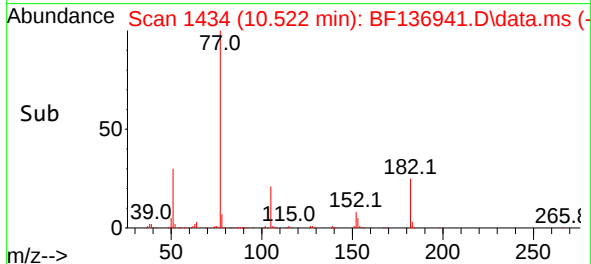
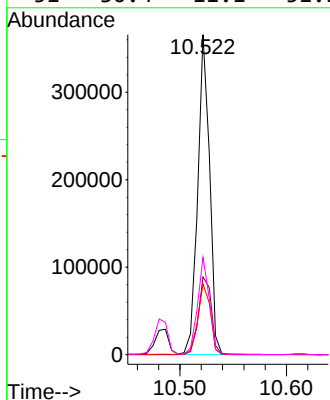
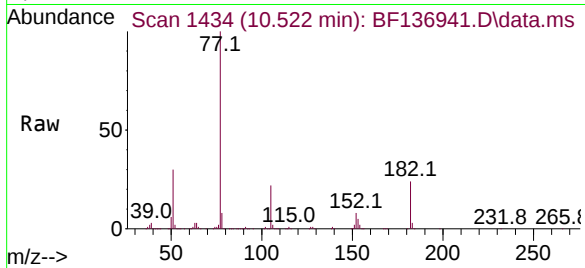




#63  
Azobenzene  
Concen: 39.983 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

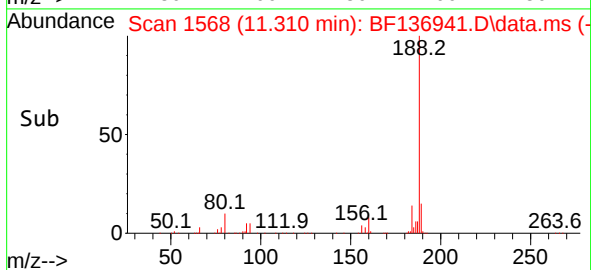
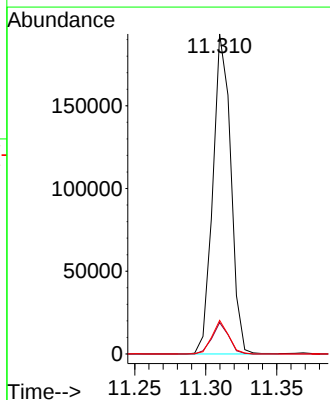
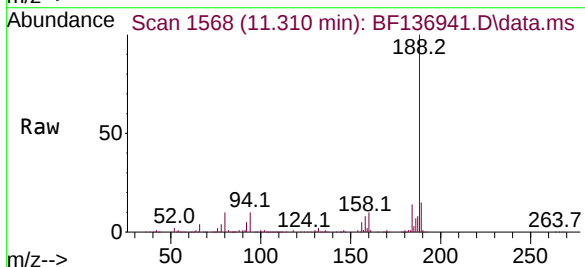
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

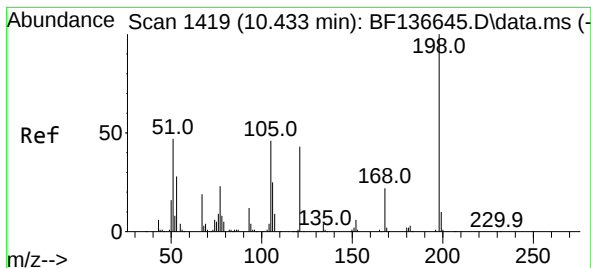
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 282720 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 24.3    | 6.0 46.0     |
| 105 22.1    | 2.3 42.3     |
| 51 30.4     | 11.1 51.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.310 min Scan# 1568  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 170037 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 9.8      | 7.5 11.3     |
| 80 10.5     | 8.1 12.1     |

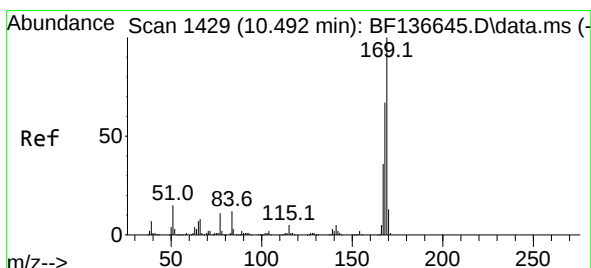
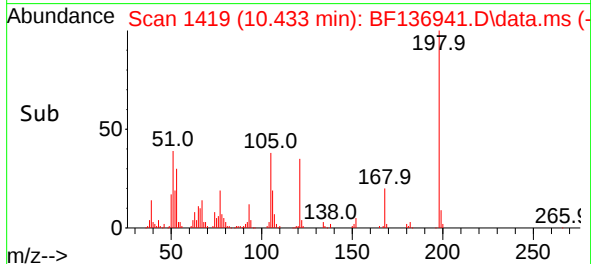
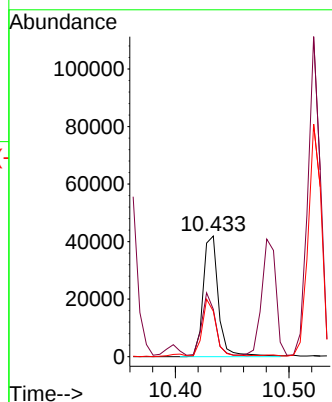
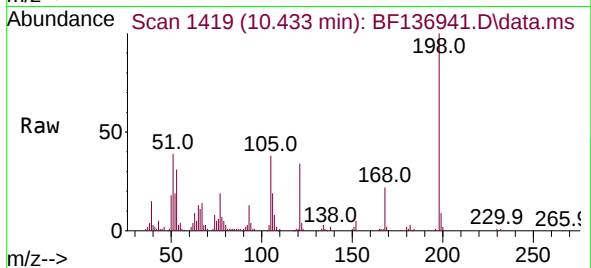




#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.330 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

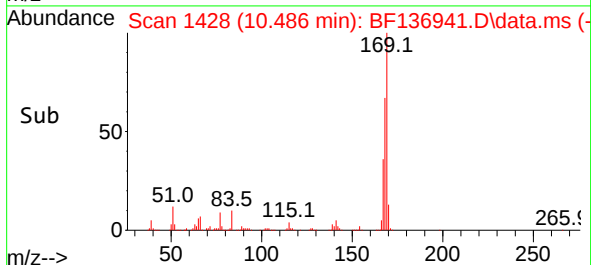
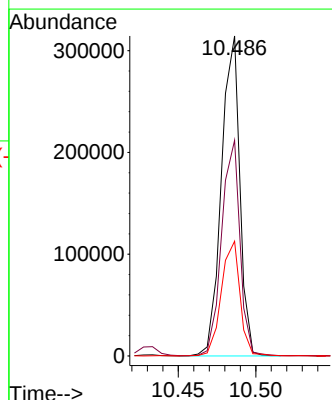
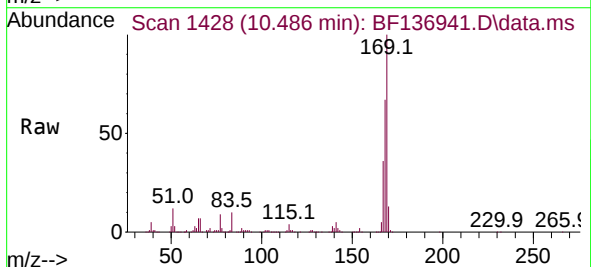
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

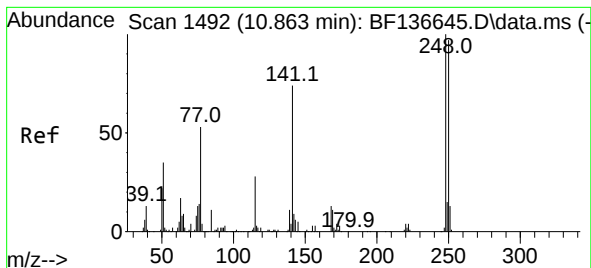
Tgt Ion:198 Resp: 39301  
Ion Ratio Lower Upper  
198 100  
51 39.3 34.1 74.1  
105 37.6 27.3 67.3



#66  
n-Nitrosodiphenylamine  
Concen: 46.987 ng  
RT: 10.486 min Scan# 1428  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:169 Resp: 259536  
Ion Ratio Lower Upper  
169 100  
168 67.4 53.8 80.6  
167 35.8 28.7 43.1

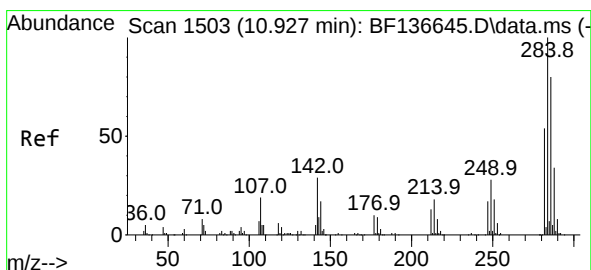
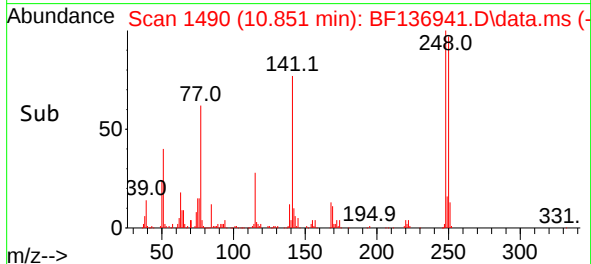
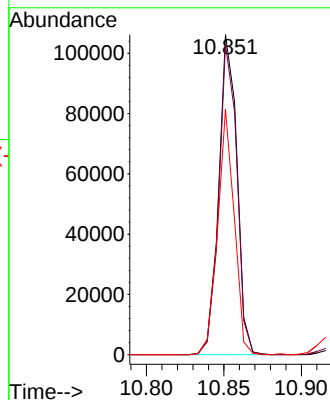
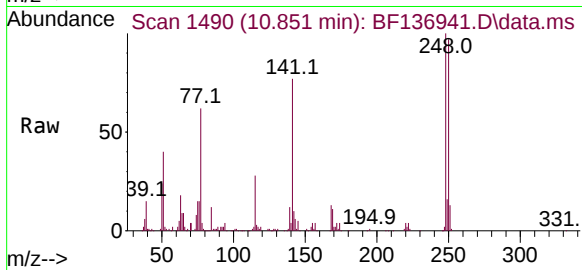




#67  
4-Bromophenyl-phenylether  
Concen: 45.922 ng  
RT: 10.851 min Scan# 1490  
Delta R.T. -0.012 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

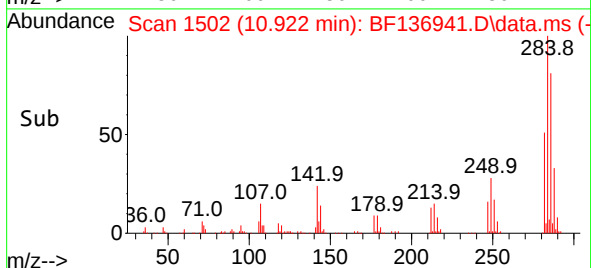
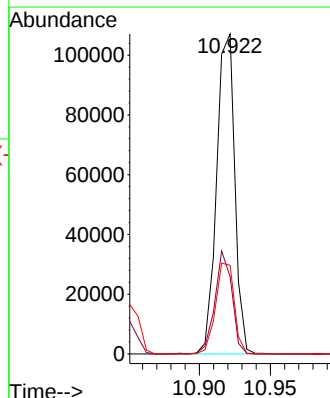
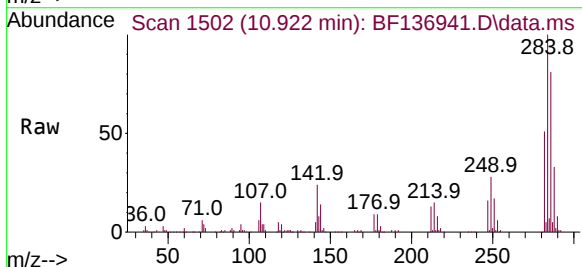
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

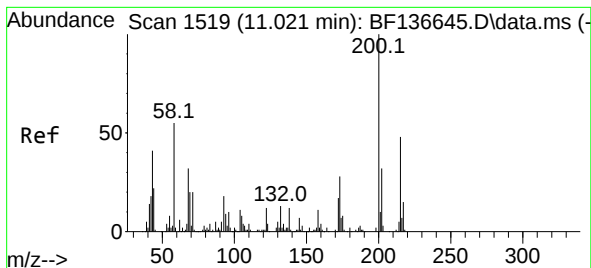
Tgt Ion:248 Resp: 86718  
Ion Ratio Lower Upper  
248 100  
250 97.0 77.8 116.6  
141 76.8 59.2 88.8



#68  
Hexachlorobenzene  
Concen: 45.223 ng  
RT: 10.922 min Scan# 1502  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:284 Resp: 95169  
Ion Ratio Lower Upper  
284 100  
142 24.1 23.4 35.0  
249 27.7 22.3 33.5





#69

Atrazine

Concen: 54.850 ng

RT: 11.016 min Scan# 1518

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

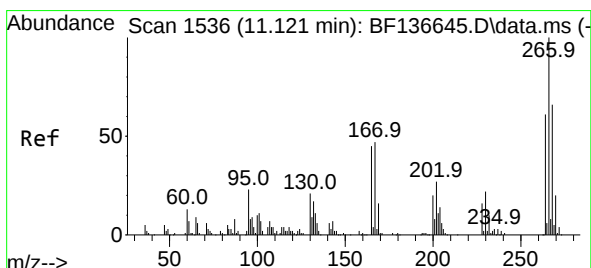
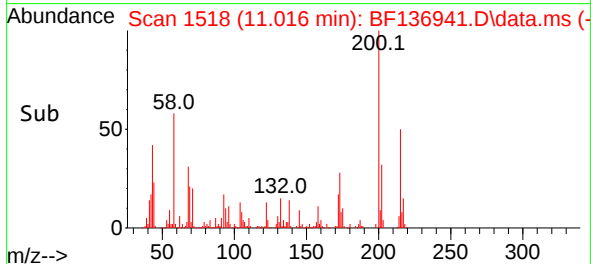
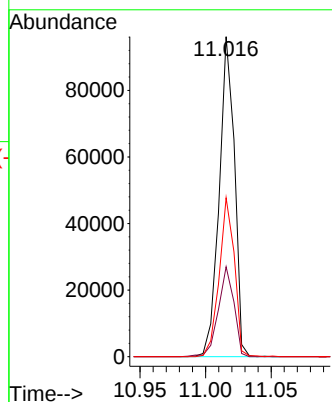
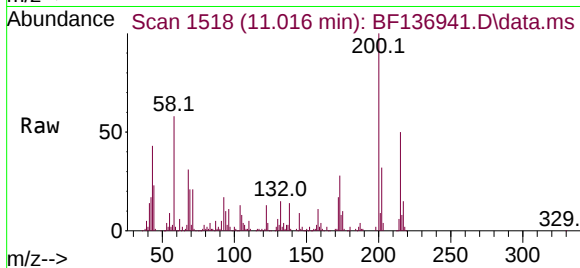
Tgt Ion:200 Resp: 77490

Ion Ratio Lower Upper

200 100

173 28.1 7.6 47.6

215 49.6 28.3 68.3



#70

Pentachlorophenol

Concen: 67.931 ng

RT: 11.122 min Scan# 1536

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

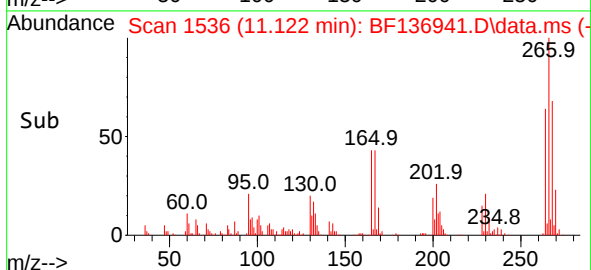
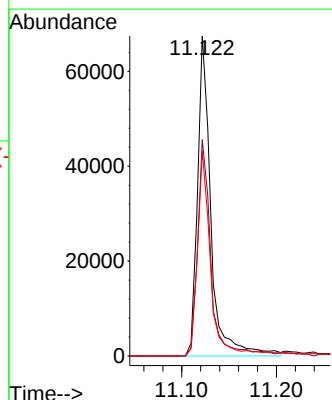
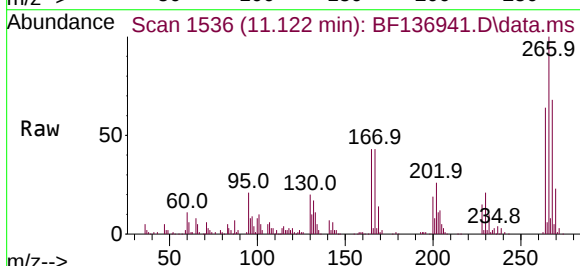
Tgt Ion:266 Resp: 66634

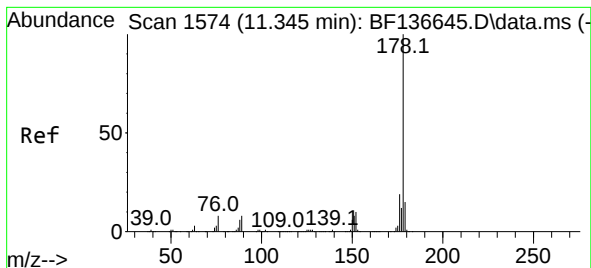
Ion Ratio Lower Upper

266 100

268 67.6 52.6 78.8

264 64.0 49.0 73.4





#71

Phenanthrene

Concen: 46.066 ng

RT: 11.339 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

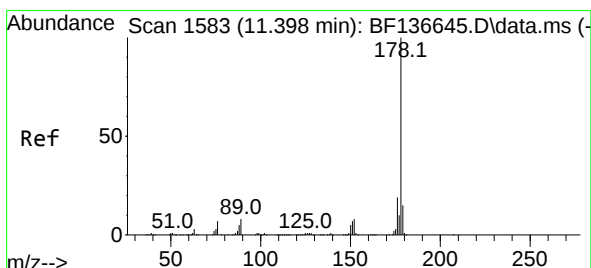
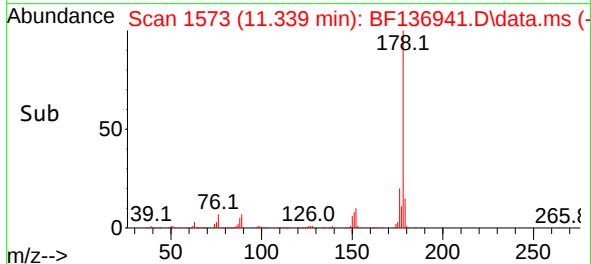
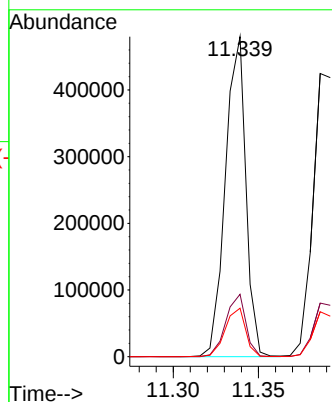
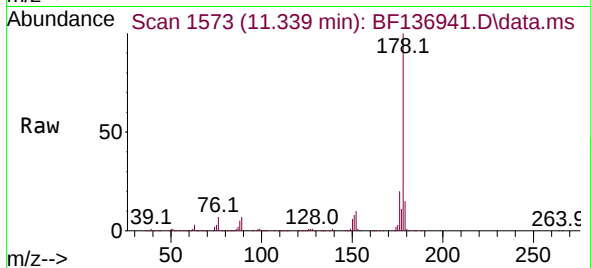
Tgt Ion:178 Resp: 401910

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.2 11.9 17.9



#72

Anthracene

Concen: 44.603 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

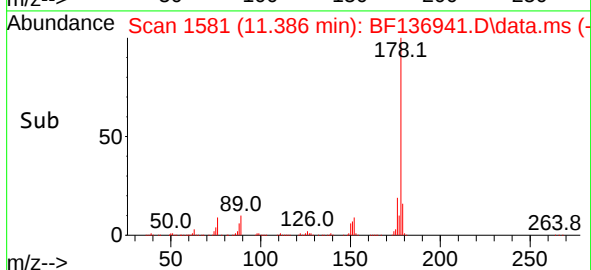
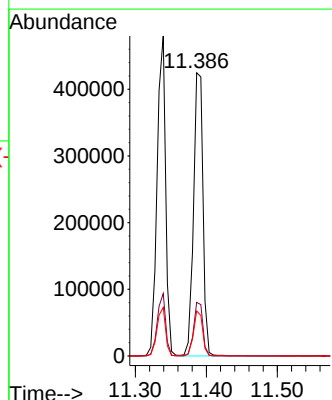
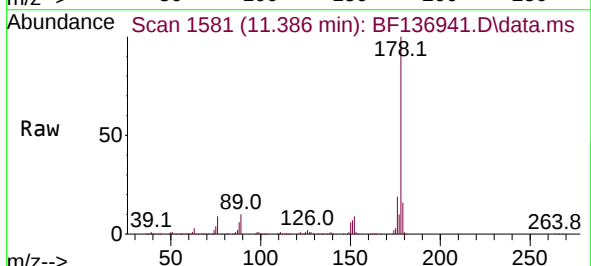
Tgt Ion:178 Resp: 394106

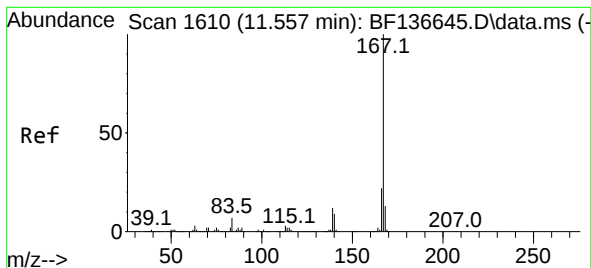
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.9 11.8 17.6





#73

Carbazole

Concen: 44.147 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

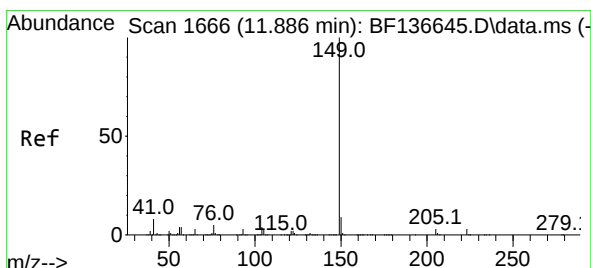
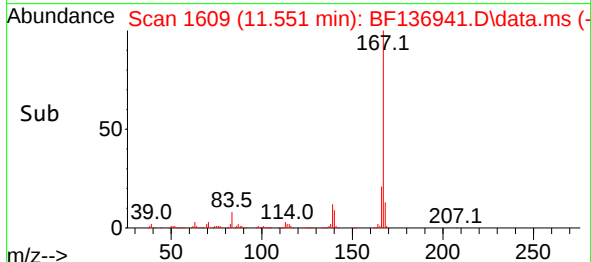
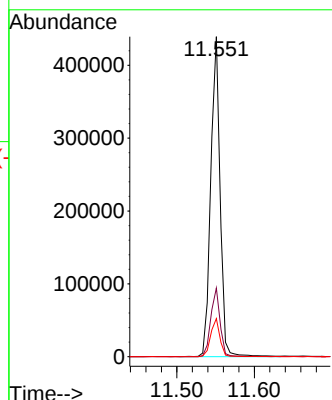
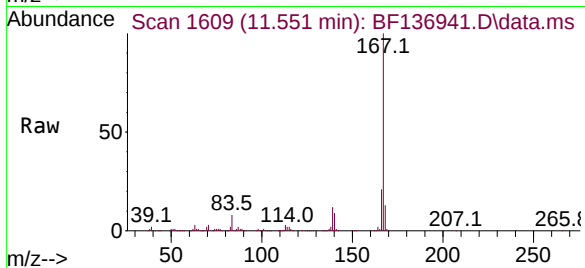
Tgt Ion:167 Resp: 367767

Ion Ratio Lower Upper

167 100

166 21.5 17.3 25.9

139 11.9 9.8 14.6



#74

Di-n-butylphthalate

Concen: 47.971 ng

RT: 11.880 min Scan# 1665

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

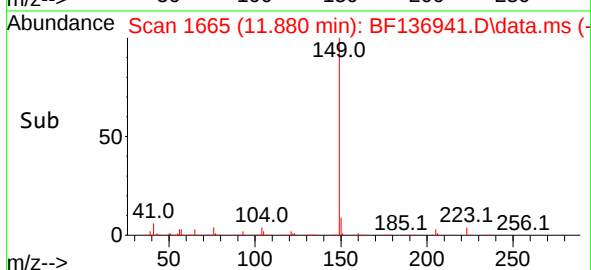
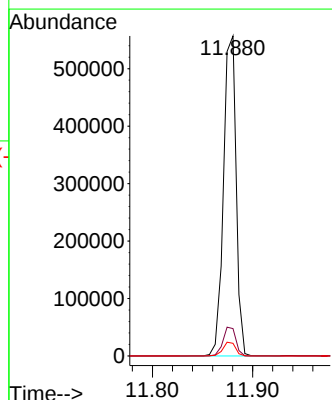
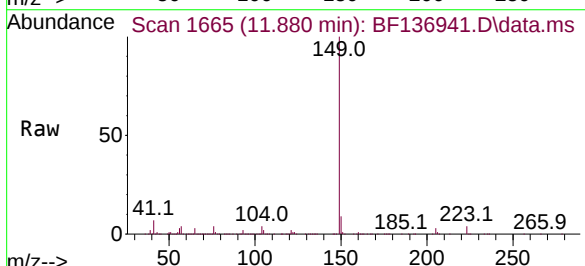
Tgt Ion:149 Resp: 487644

Ion Ratio Lower Upper

149 100

150 8.5 7.4 11.2

104 4.0 3.6 5.4

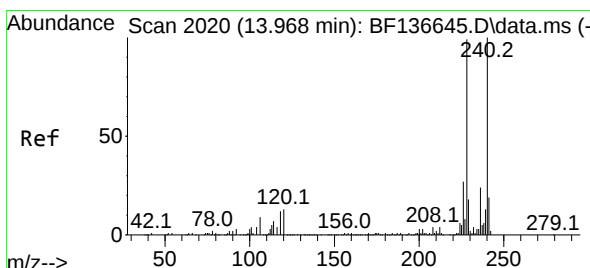
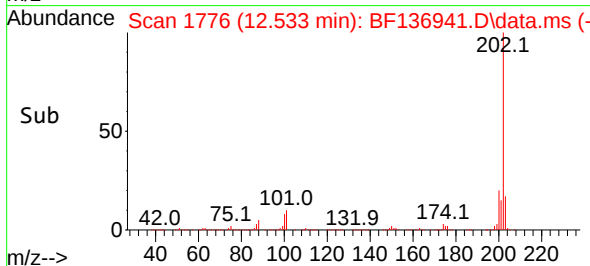
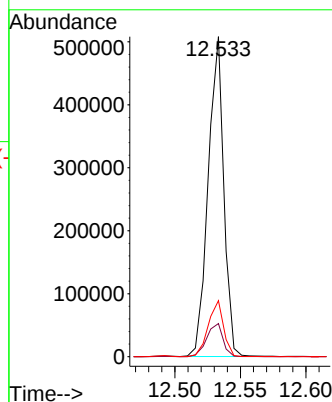
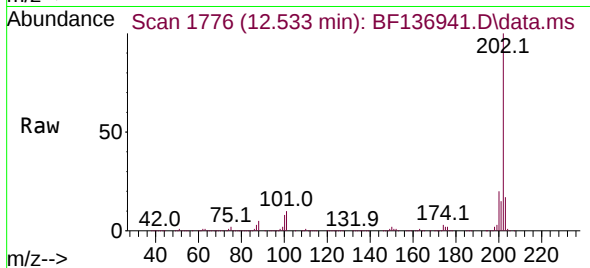




#75  
Fluoranthene  
Concen: 45.312 ng  
RT: 12.533 min Scan# 1776  
Delta R.T. -0.006 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

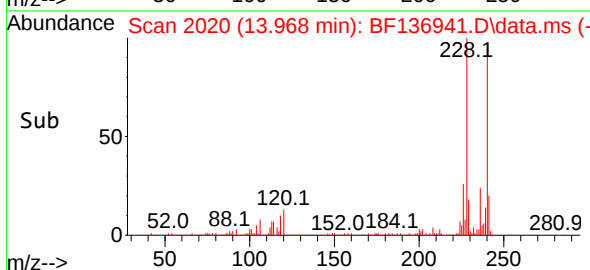
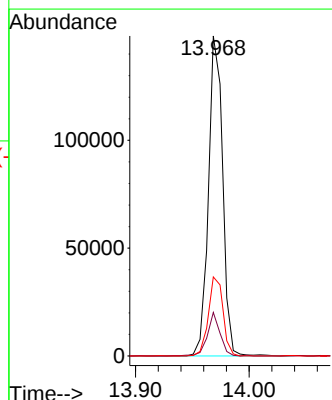
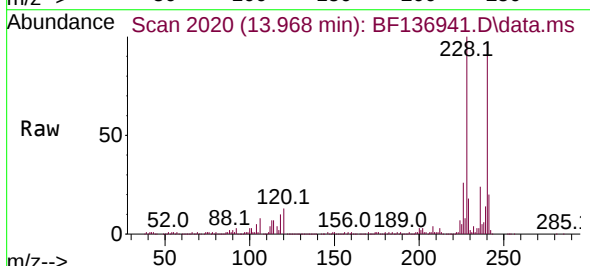
Instrument :  
BNA\_F  
ClientSampleId :  
GHL-SS-36aMSD

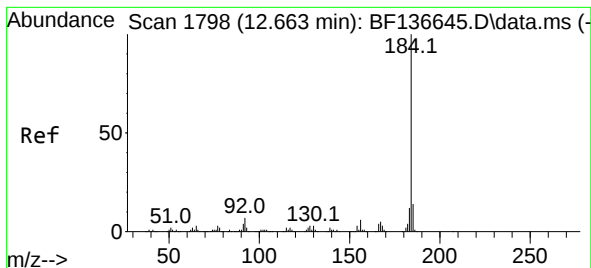
Tgt Ion:202 Resp: 422871  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 29.3  
203 17.5 0.0 37.1



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF136941.D  
Acq: 04 Jan 2024 15:14

Tgt Ion:240 Resp: 128551  
Ion Ratio Lower Upper  
240 100  
120 13.6 10.3 15.5  
236 24.7 19.4 29.2





#77

Benzidine

Concen: 21.319 ng

RT: 12.663 min Scan# 1798

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

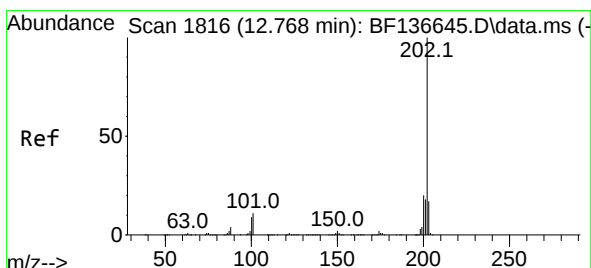
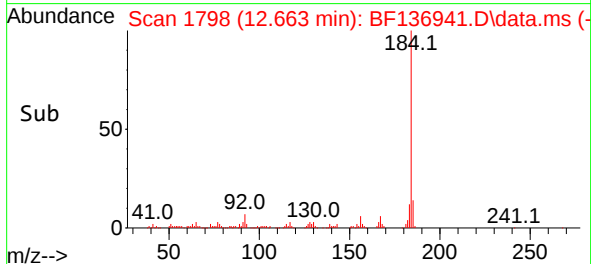
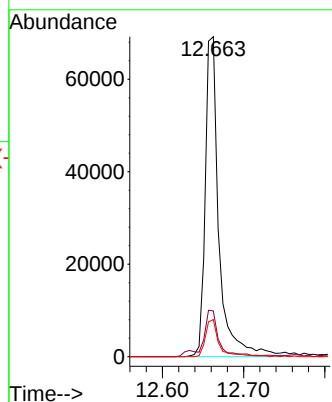
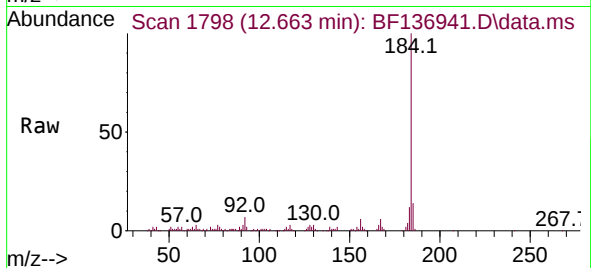
Tgt Ion:184 Resp: 80809

Ion Ratio Lower Upper

184 100

185 14.3 11.2 16.8

183 11.6 9.3 13.9



#78

Pyrene

Concen: 34.335 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

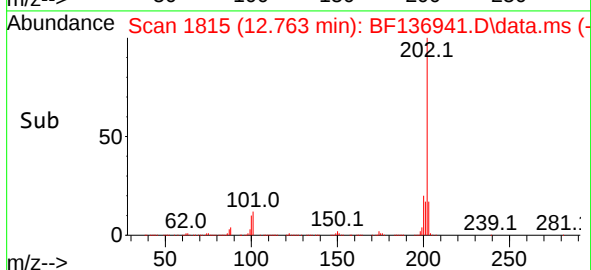
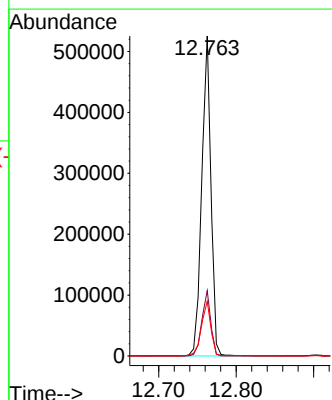
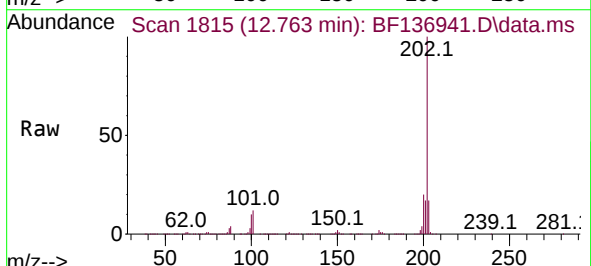
Tgt Ion:202 Resp: 433284

Ion Ratio Lower Upper

202 100

200 20.4 15.9 23.9

203 17.1 13.8 20.6





#79

Terphenyl-d14

Concen: 56.482 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

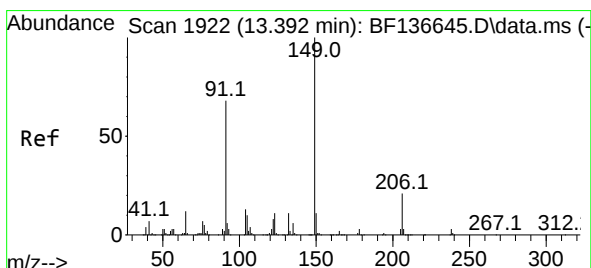
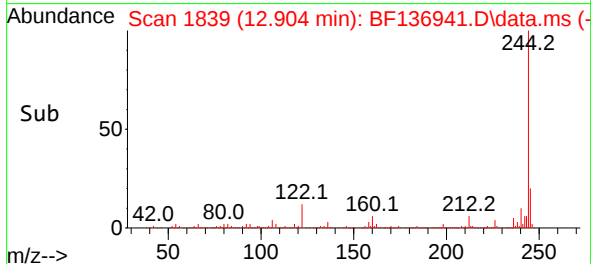
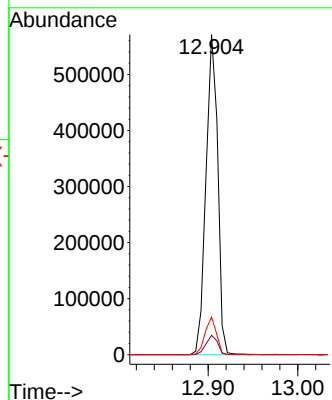
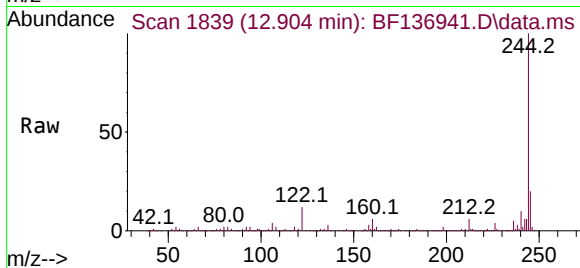
Tgt Ion:244 Resp: 519568

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

122 11.7 9.0 13.4



#80

Butylbenzylphthalate

Concen: 45.504 ng

RT: 13.386 min Scan# 1921

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

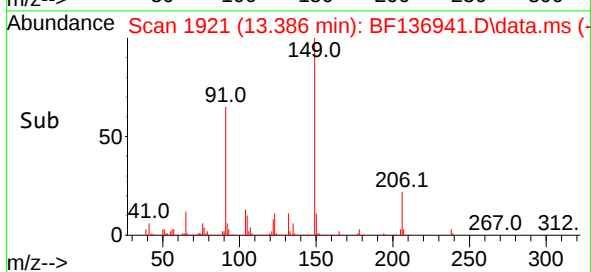
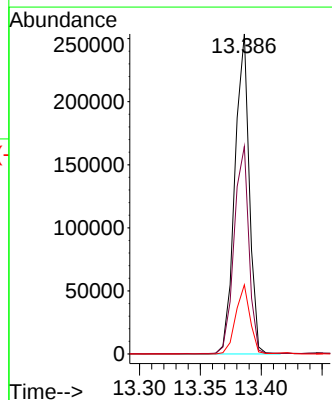
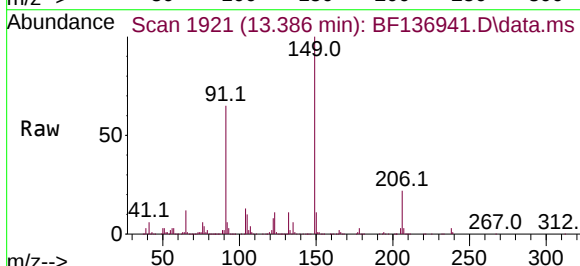
Tgt Ion:149 Resp: 208947

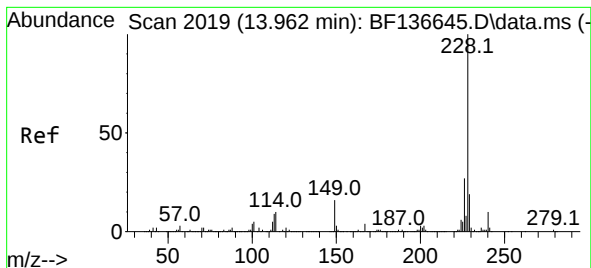
Ion Ratio Lower Upper

149 100

91 64.8 54.1 81.1

206 21.6 17.1 25.7





#81

Benzo(a)anthracene

Concen: 45.871 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

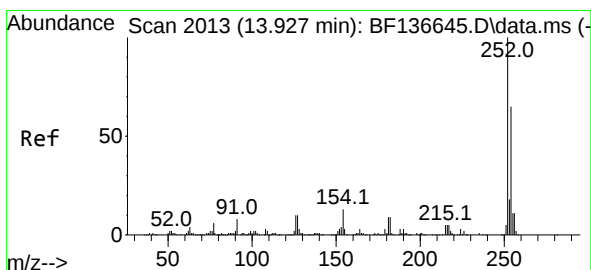
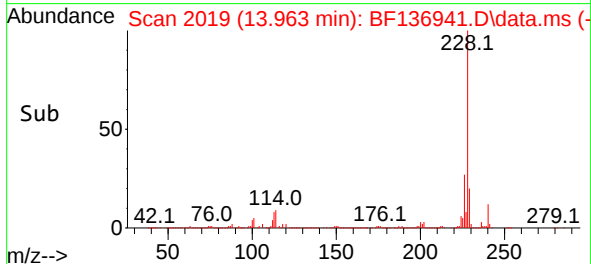
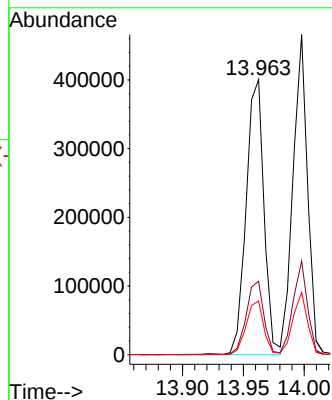
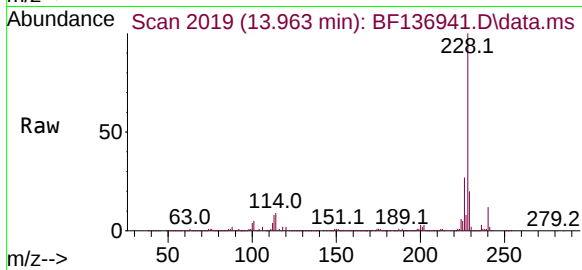
Tgt Ion:228 Resp: 409467

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

229 19.5 14.9 22.3



#82

3,3'-Dichlorobenzidine

Concen: 32.271 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

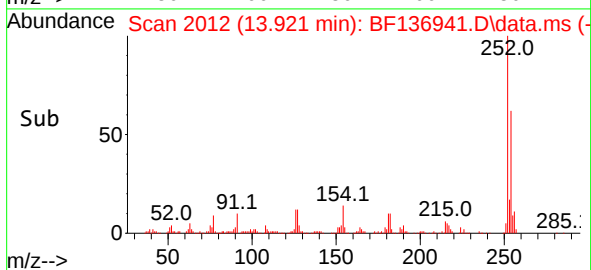
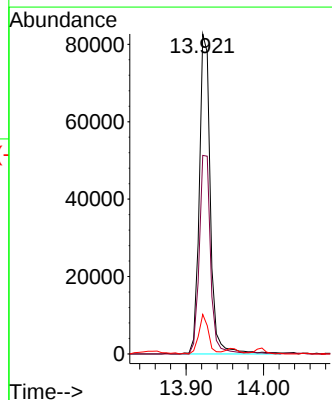
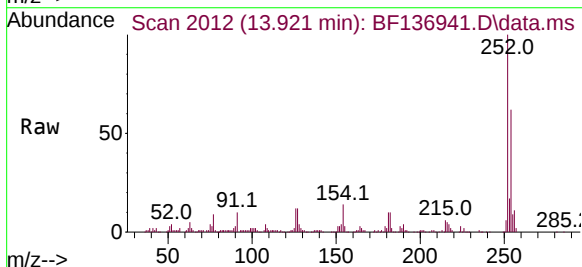
Tgt Ion:252 Resp: 81809

Ion Ratio Lower Upper

252 100

254 62.1 52.2 78.4

126 12.4 8.0 12.0#





#83

Chrysene

Concen: 44.476 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

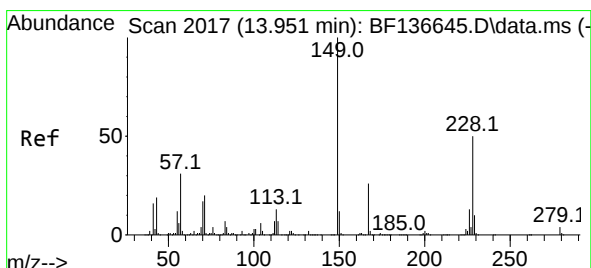
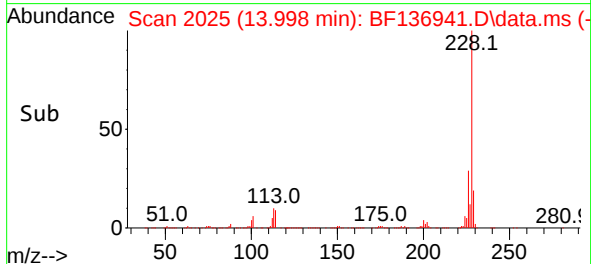
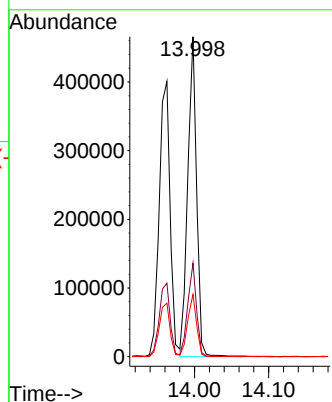
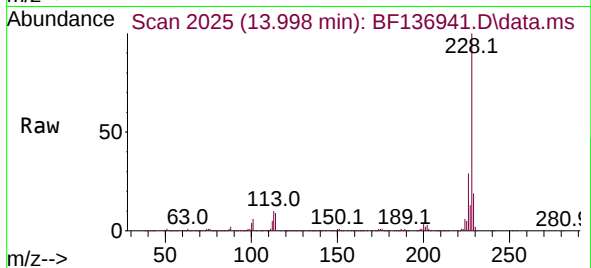
Tgt Ion:228 Resp: 388235

Ion Ratio Lower Upper

228 100

226 29.3 24.7 37.1

229 19.5 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.650 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

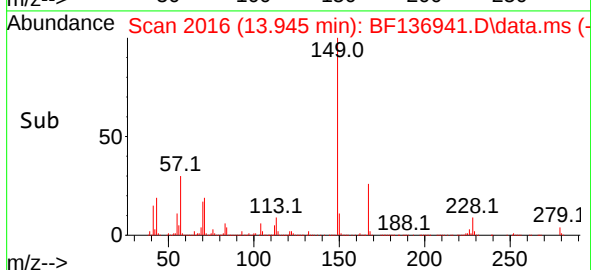
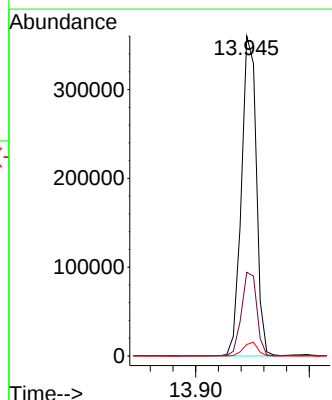
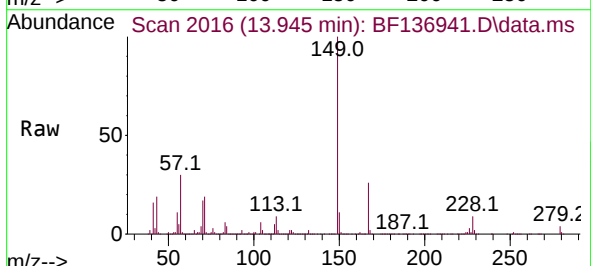
Tgt Ion:149 Resp: 327287

Ion Ratio Lower Upper

149 100

167 26.2 20.9 31.3

279 3.6 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 65.936 ng

RT: 14.563 min Scan# 2122

Delta R.T. -0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

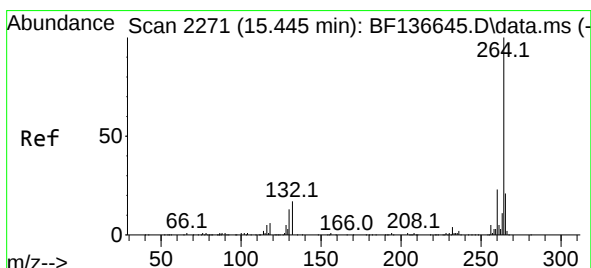
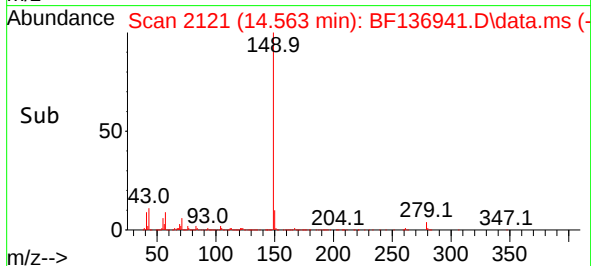
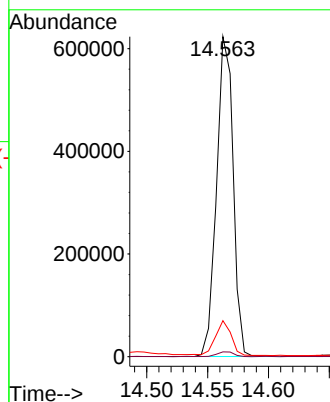
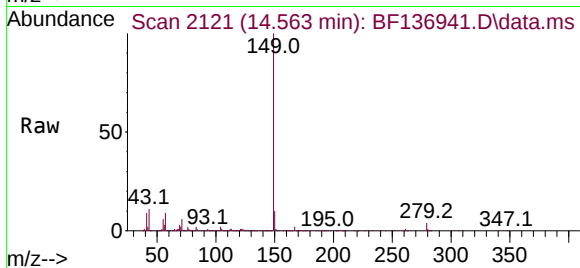
Tgt Ion:149 Resp: 589251

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.5 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: BF136941.D

Acq: 04 Jan 2024 15:14

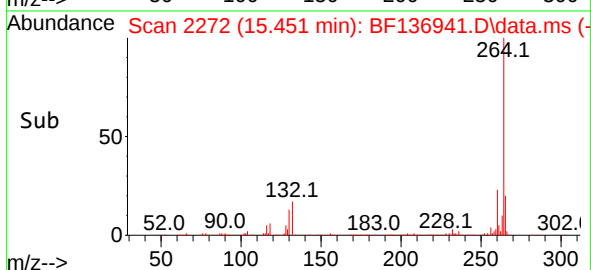
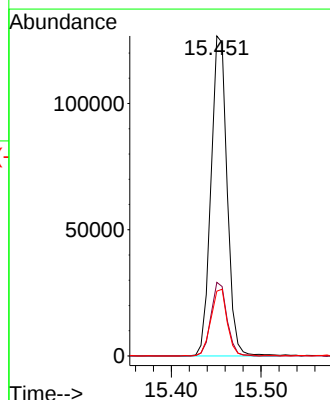
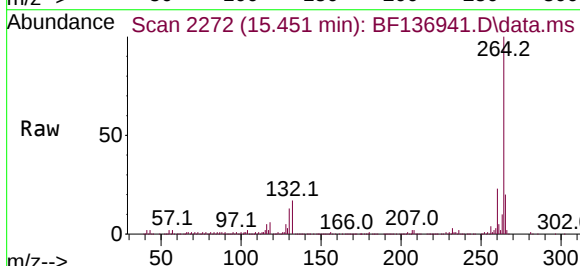
Tgt Ion:264 Resp: 158092

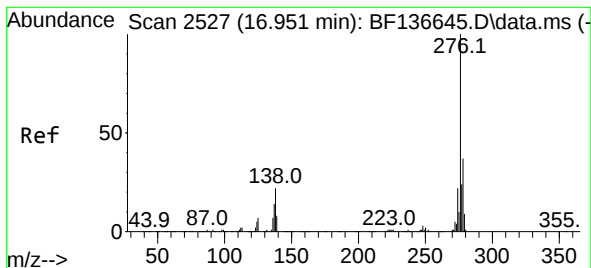
Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 20.3 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.852 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.024 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

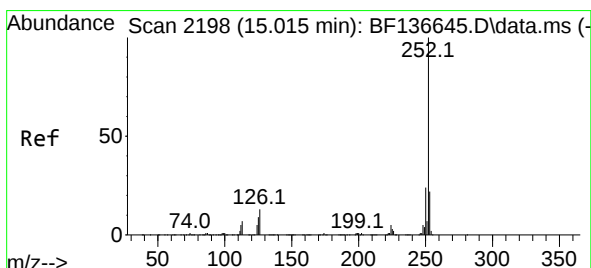
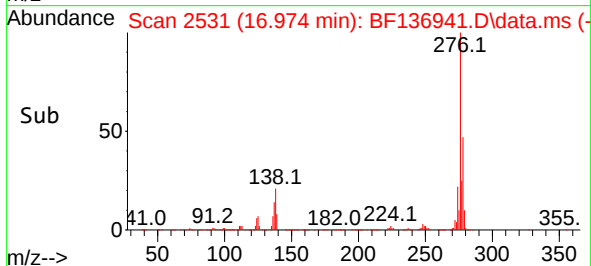
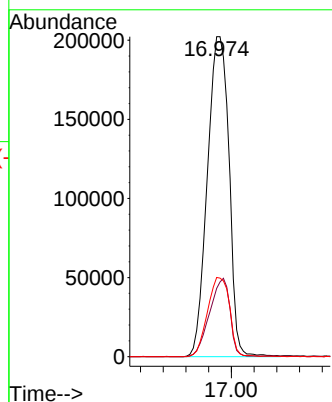
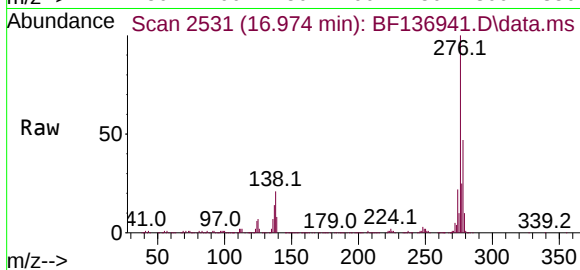
Tgt Ion:276 Resp: 534792

Ion Ratio Lower Upper

276 100

138 23.0 18.7 28.1

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 39.934 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

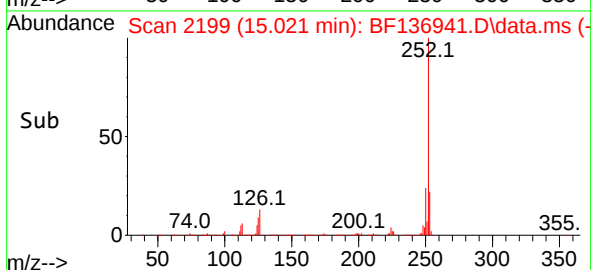
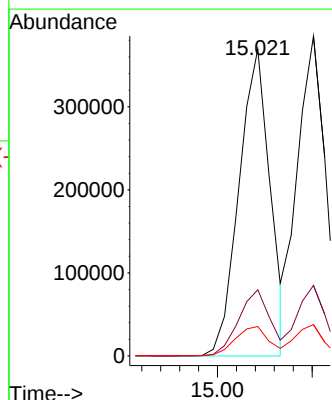
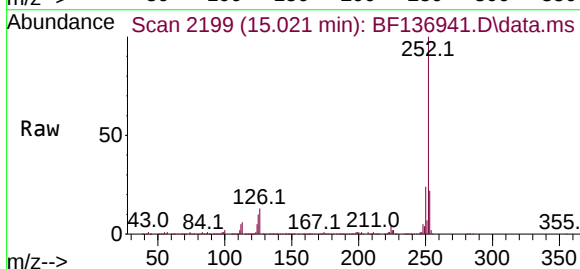
Tgt Ion:252 Resp: 421663

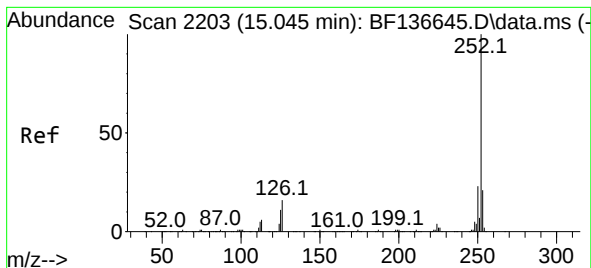
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 9.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 39.589 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

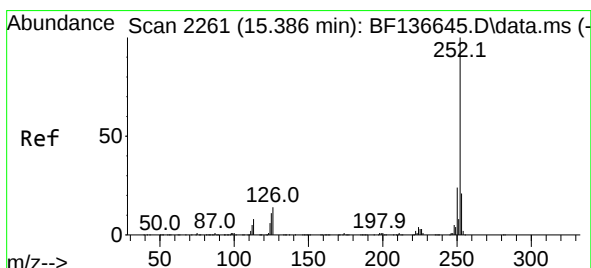
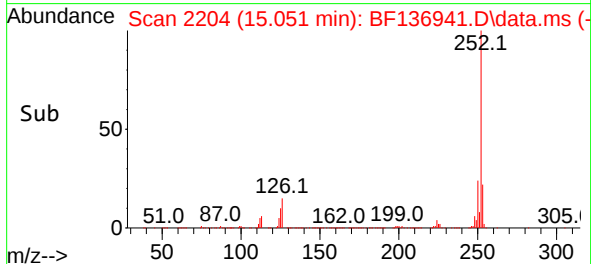
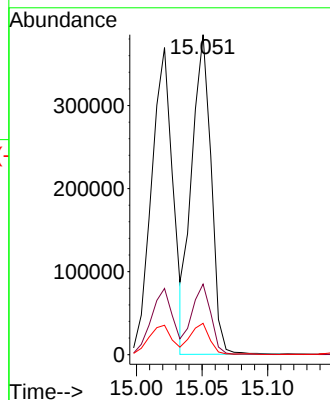
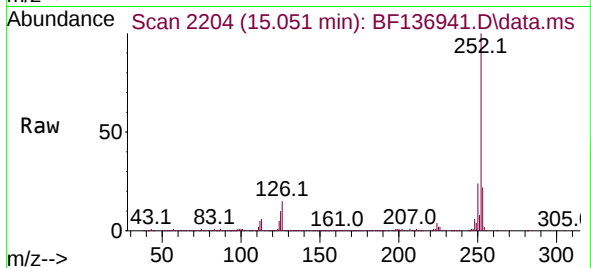
Tgt Ion:252 Resp: 394991

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 9.8 8.2 12.4



#90

Benzo(a)pyrene

Concen: 41.952 ng

RT: 15.392 min Scan# 2262

Delta R.T. 0.006 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

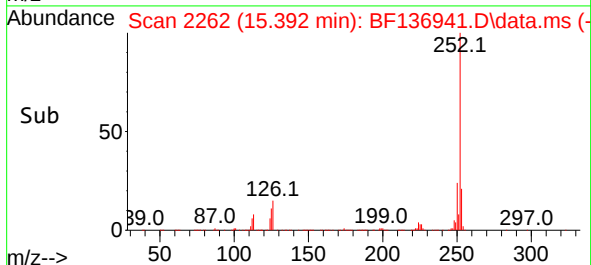
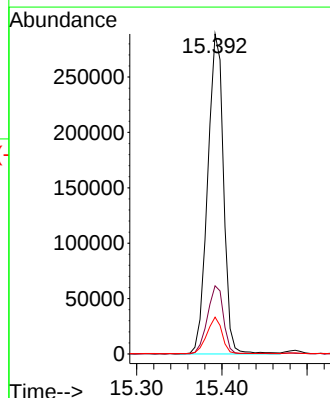
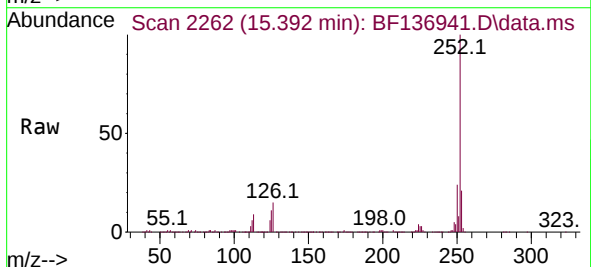
Tgt Ion:252 Resp: 373917

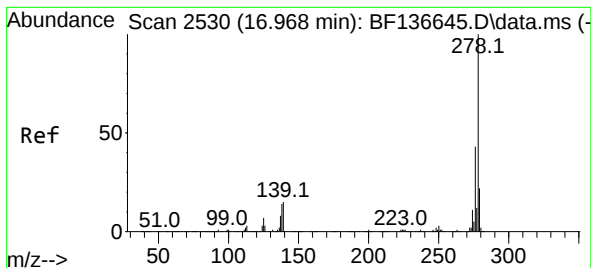
Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 11.5 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 48.160 ng

RT: 16.992 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Instrument :

BNA\_F

ClientSampleId :

GHL-SS-36aMSD

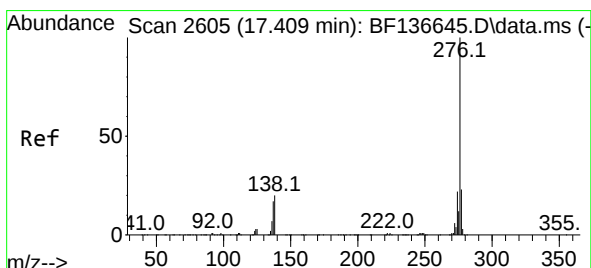
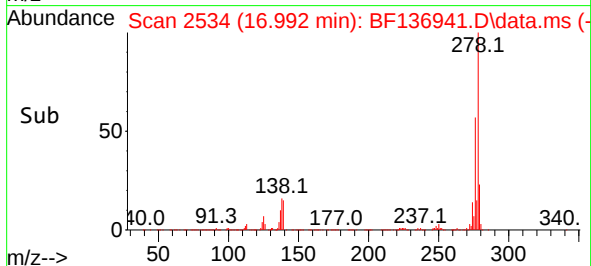
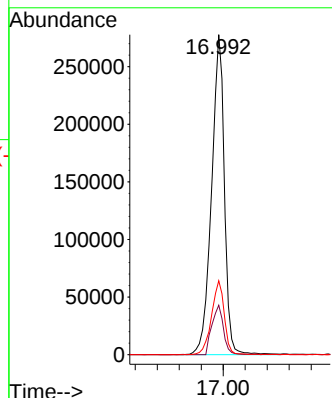
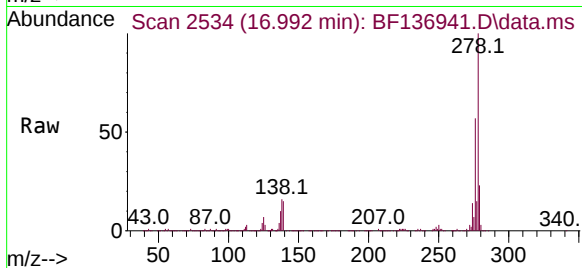
Tgt Ion:278 Resp: 450993

Ion Ratio Lower Upper

278 100

139 15.4 12.2 18.4

279 23.1 17.8 26.6



#92

Benzo(g,h,i)perylene

Concen: 44.943 ng

RT: 17.439 min Scan# 2610

Delta R.T. 0.030 min

Lab File: BF136941.D

Acq: 04 Jan 2024 15:14

Tgt Ion:276 Resp: 431053

Ion Ratio Lower Upper

276 100

277 23.2 18.3 27.5

138 19.7 15.6 23.4

