

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF081524\  
 Data File : BF139039.D  
 Acq On : 15 Aug 2024 23:47  
 Operator : RC/JU  
 Sample : P3573-05MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-856-J-SO-1-1.5-080924MSD

Quant Time: Aug 16 00:49:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.834  | 152  | 39294    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.116  | 136  | 163267   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.869  | 164  | 89298    | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.357 | 188  | 143290   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.998 | 240  | 73082    | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.463 | 264  | 76023    | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.475  | 112  | 251354   | 98.744  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.487  | 99   | 336661   | 98.507  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 218281   | 65.366  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 69004    | 94.336  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 382576   | 64.371  | ng    | -0.02    |
| 79) Terphenyl-d14             | 12.933 | 244  | 296202   | 67.858  | ng    | -0.01    |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 50239    | 45.080  | ng    | 95       |
| 3) Pyridine                   | 3.422  | 79   | 128378   | 47.553  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.393  | 42   | 98363    | 61.176  | ng    | 82       |
| 6) Aniline                    | 6.504  | 93   | 164290   | 53.903  | ng    | # 60     |
| 8) 2-Chlorophenol             | 6.628  | 128  | 146913   | 54.856  | ng    | 98       |
| 9) Benzaldehyde               | 6.393  | 77   | 109807   | 53.598  | ng    | 97       |
| 10) Phenol                    | 6.498  | 94   | 194252   | 53.984  | ng    | # 76     |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 137100   | 49.512  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.775  | 146  | 153279   | 51.129  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 158574   | 52.414  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 147964   | 52.331  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.987  | 79   | 146125   | 59.322  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 245364   | 51.488  | ng    | # 39     |
| 17) 2-Methylphenol            | 7.104  | 107  | 117656   | 53.202  | ng    | # 87     |
| 18) Hexachloroethane          | 7.340  | 117  | 61242    | 53.776  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 116345   | 56.364  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 154629   | 54.496  | ng    | # 84     |
| 22) Acetophenone              | 7.251  | 105  | 215846   | 53.994  | ng    | 99       |
| 24) Nitrobenzene              | 7.422  | 77   | 173965   | 51.195  | ng    | 99       |
| 25) Isophorone                | 7.663  | 82   | 302179   | 52.994  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.740  | 139  | 76274    | 52.173  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 110528   | 63.189  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 172434   | 49.658  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.987  | 162  | 120589   | 53.650  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.057  | 180  | 128127   | 49.396  | ng    | 99       |
| 31) Naphthalene               | 8.140  | 128  | 440995   | 51.315  | ng    | 100      |
| 32) Benzoic acid              | 7.934  | 122  | 50231    | 36.532  | ng    | 92       |
| 33) 4-Chloroaniline           | 8.192  | 127  | 90190    | 31.264  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 81572    | 51.920  | ng    | 97       |
| 35) Caprolactam               | 8.575  | 113  | 24288    | 36.214  | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 8.687  | 107  | 138794   | 54.031  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.828  | 142  | 284386   | 52.397  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.928  | 142  | 262690   | 49.392  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.992  | 216  | 128058   | 51.624  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 80577    | 119.003 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 75410    | 49.860  | ng    | 100      |

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 Sample : P3573-05MSD  
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 ALS Vial : 16 Sample Multiplier: 1

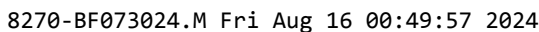
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-856-J-SO-1-1.5-080924MSD

Quant Time: Aug 16 00:49:50 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF073024.M  
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 QLast Update : Tue Jul 30 17:50:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 81034    | 49.010 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.292  | 154  | 358638   | 51.280 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.316  | 162  | 262748   | 50.515 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.422  | 65   | 98957    | 56.119 | ng    | 94       |
| 49) Acenaphthylene            | 9.733  | 152  | 404292   | 54.803 | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 317510   | 55.608 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 68933    | 53.494 | ng    | # 84     |
| 52) Acenaphthene              | 9.904  | 154  | 259051   | 52.238 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.839  | 138  | 50642    | 38.016 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 56124    | 94.615 | ng    | # 84     |
| 55) Dibenzofuran              | 10.075 | 168  | 374298   | 53.469 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.022 | 139  | 61786    | 77.129 | ng    | 83       |
| 57) 2,4-Dinitrotoluene        | 10.075 | 165  | 91302    | 55.535 | ng    | # 78     |
| 58) Fluorene                  | 10.422 | 166  | 300013   | 53.818 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 60859    | 48.145 | ng    | 93       |
| 60) Diethylphthalate          | 10.292 | 149  | 308006   | 56.892 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 145982   | 53.246 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.457 | 138  | 60082    | 47.460 | ng    | 86       |
| 63) Azobenzene                | 10.569 | 77   | 323287   | 53.840 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.486 | 198  | 43991    | 50.322 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.528 | 169  | 255508   | 57.047 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 82017    | 52.867 | ng    | 97       |
| 68) Hexachlorobenzene         | 10.969 | 284  | 85108    | 53.132 | ng    | 97       |
| 69) Atrazine                  | 11.057 | 200  | 83094    | 71.907 | ng    | 99       |
| 70) Pentachlorophenol         | 11.175 | 266  | 50733    | 70.267 | ng    | 99       |
| 71) Phenanthrene              | 11.380 | 178  | 406658   | 55.115 | ng    | 100      |
| 72) Anthracene                | 11.433 | 178  | 407318   | 56.038 | ng    | 99       |
| 73) Carbazole                 | 11.592 | 167  | 323331   | 51.560 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 437421   | 62.049 | ng    | 99       |
| 75) Fluoranthene              | 12.569 | 202  | 339723   | 49.320 | ng    | 98       |
| 77) Benzidine                 | 12.698 | 184  | 107255   | 61.359 | ng    | 100      |
| 78) Pyrene                    | 12.798 | 202  | 335144   | 48.706 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 133815   | 60.730 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.986 | 228  | 279699   | 55.578 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.951 | 252  | 70169    | 54.485 | ng    | 99       |
| 83) Chrysene                  | 14.027 | 228  | 231355   | 50.955 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.963 | 149  | 177738   | 55.085 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 302017   | 50.591 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 195298   | 35.847 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 265847   | 56.411 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 241905   | 59.286 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 233141   | 58.814 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.945 | 278  | 158502   | 35.442 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.380 | 276  | 138769   | 29.902 | ng    | 96       |

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

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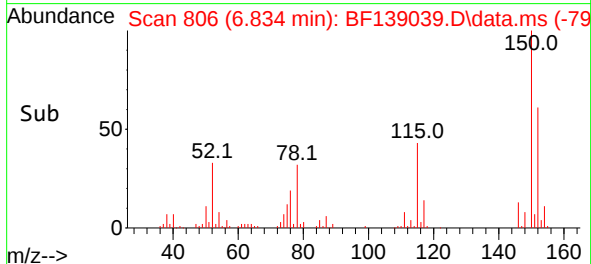
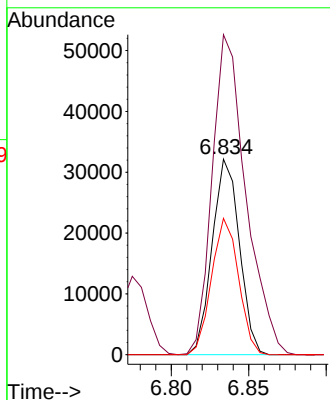
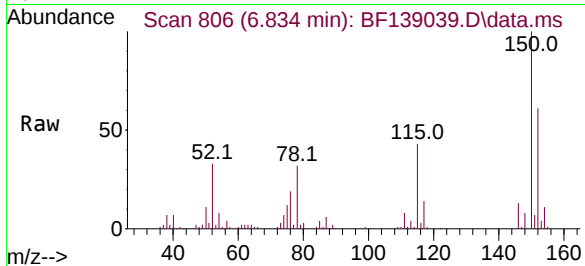




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.834 min Scan# 80  
Delta R.T. -0.011 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

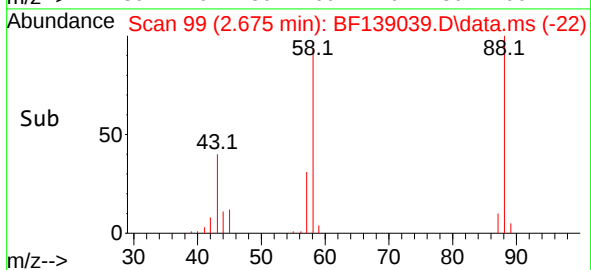
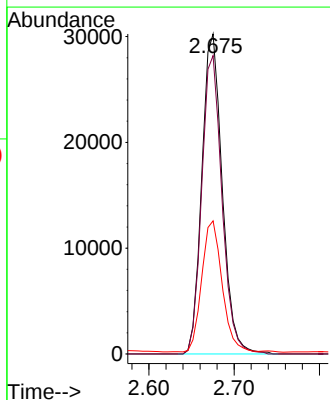
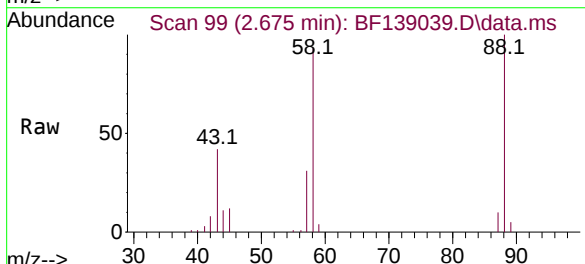
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:152 Resp: 39294  
Ion Ratio Lower Upper  
152 100  
150 163.6 126.0 189.0  
115 69.7 51.7 77.5



#2  
1,4-Dioxane  
Concen: 45.080 ng  
RT: 2.675 min Scan# 99  
Delta R.T. 0.100 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 88 Resp: 50239  
Ion Ratio Lower Upper  
88 100  
58 92.6 71.6 107.4  
43 40.8 28.7 43.1





#3

Pyridine

Concen: 47.553 ng

RT: 3.422 min Scan# 211

Delta R.T. 0.088 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

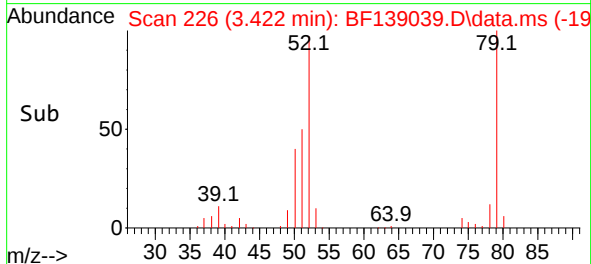
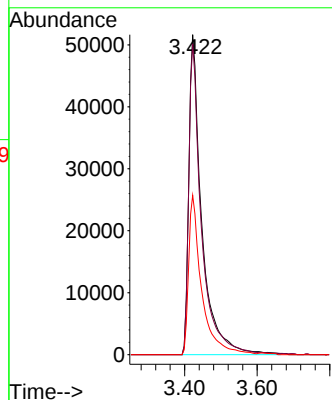
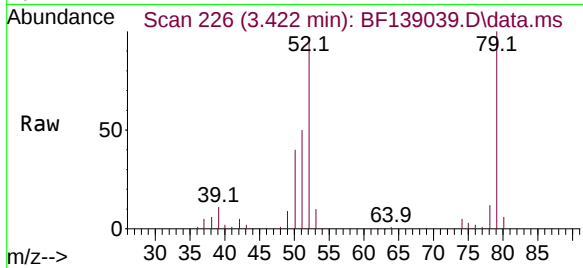
Tgt Ion: 79 Resp: 128378

Ion Ratio Lower Upper

79 100

52 97.2 74.7 112.1

51 49.8 34.6 51.8



#4

n-Nitrosodimethylamine

Concen: 61.176 ng

RT: 3.393 min Scan# 221

Delta R.T. 0.106 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

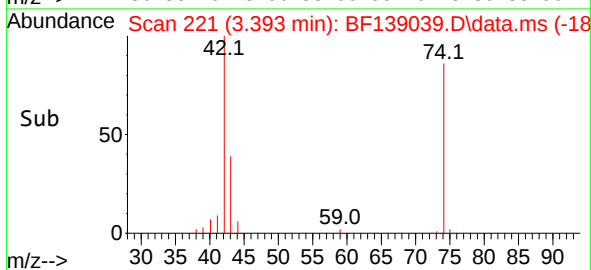
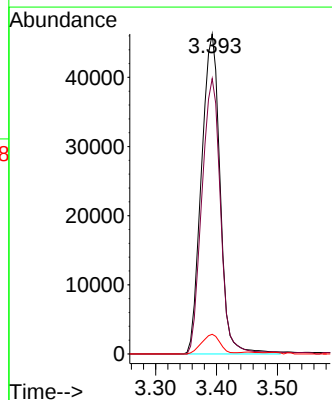
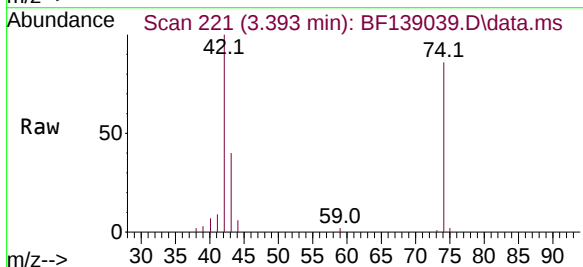
Tgt Ion: 42 Resp: 98363

Ion Ratio Lower Upper

42 100

74 86.1 84.2 126.4

44 6.1 4.9 7.3

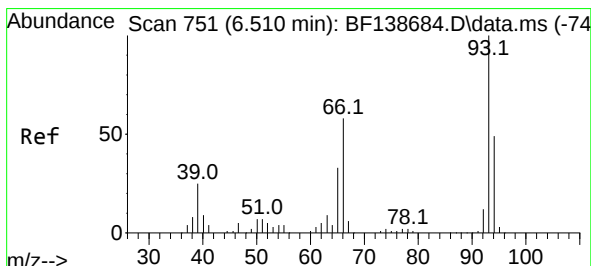
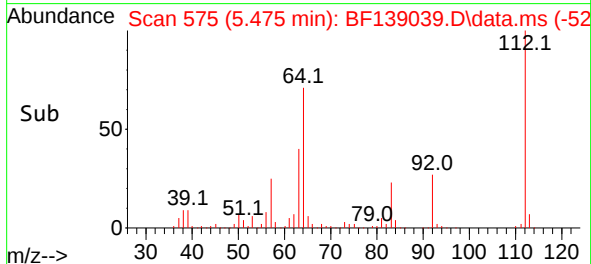
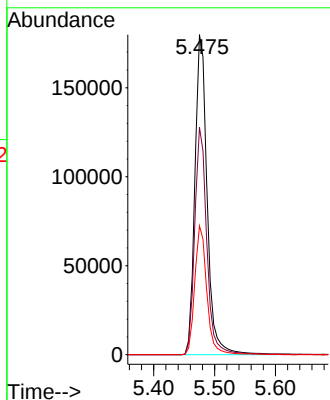
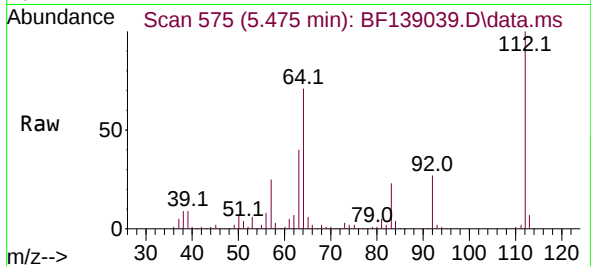




#5  
2-Fluorophenol  
Concen: 98.744 ng  
RT: 5.475 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

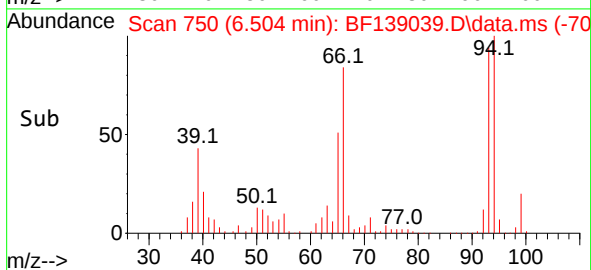
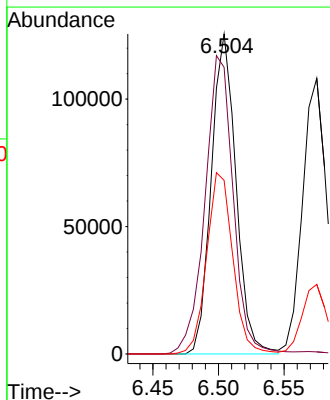
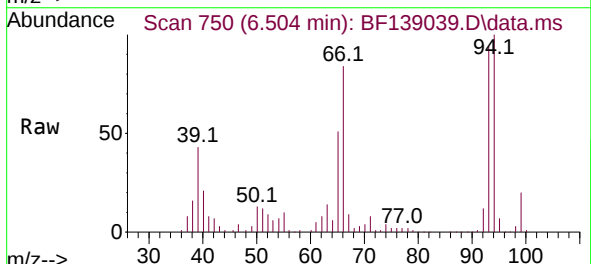
Instrument :  
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S-856-J-SO-1-1.5-080924MSD

Tgt Ion:112 Resp: 251354  
Ion Ratio Lower Upper  
112 100  
64 71.0 54.2 81.4  
63 40.2 28.7 43.1



#6  
Aniline  
Concen: 53.903 ng  
RT: 6.504 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 93 Resp: 164290  
Ion Ratio Lower Upper  
93 100  
66 89.6 46.9 70.3#  
65 54.3 26.5 39.7#

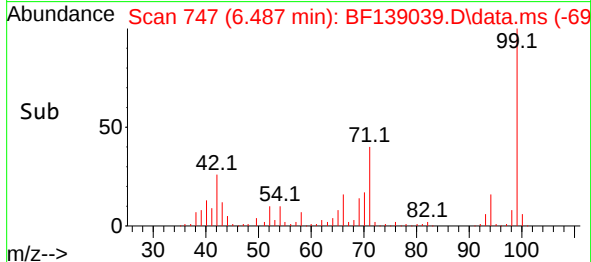
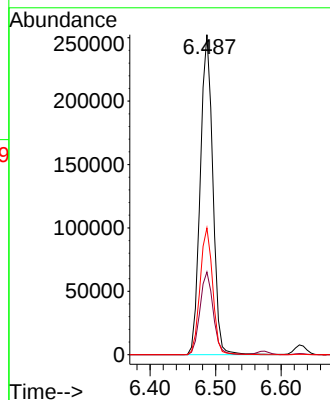
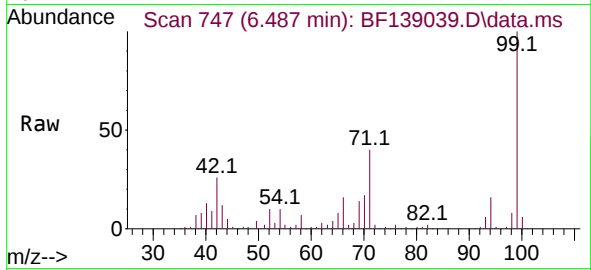




#7  
Phenol-d6  
Concen: 98.507 ng  
RT: 6.487 min Scan# 741  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

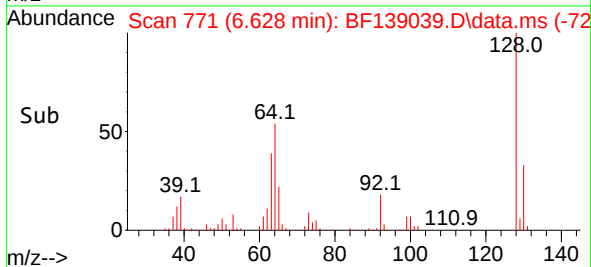
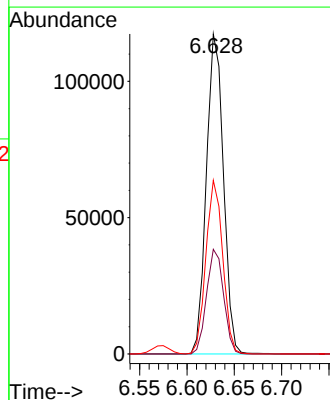
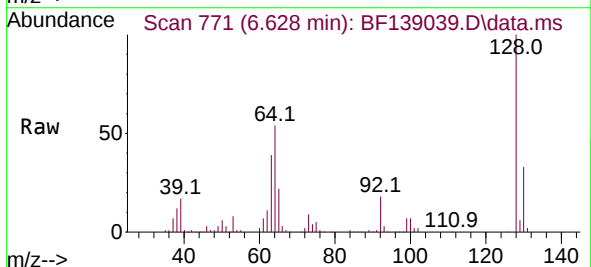
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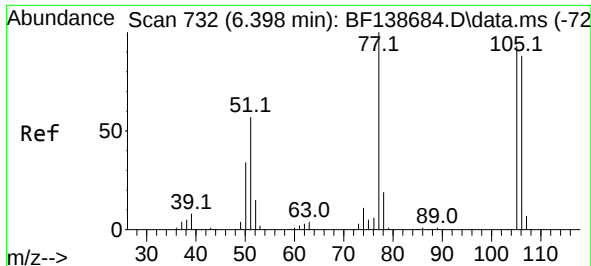
Tgt Ion: 99 Resp: 336661  
Ion Ratio Lower Upper  
99 100  
42 25.8 17.4 26.0  
71 39.6 28.1 42.1



#8  
2-Chlorophenol  
Concen: 54.856 ng  
RT: 6.628 min Scan# 771  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 128 Resp: 146913  
Ion Ratio Lower Upper  
128 100  
130 32.7 12.0 52.0  
64 54.2 36.3 76.3





#9

Benzaldehyde

Concen: 53.598 ng

RT: 6.393 min Scan# 71

Delta R.T. -0.005 min

Lab File: BF139039.D

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Instrument :

BNA\_F

ClientSampleId :

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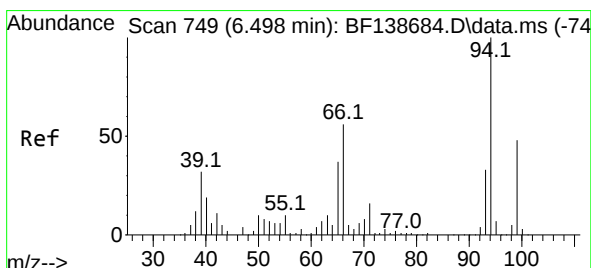
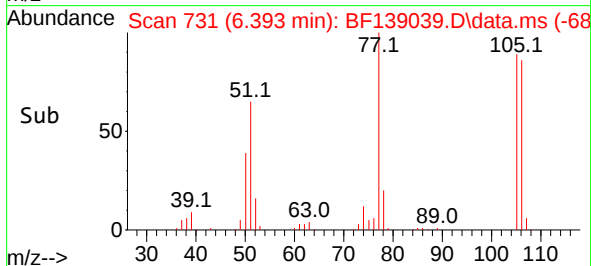
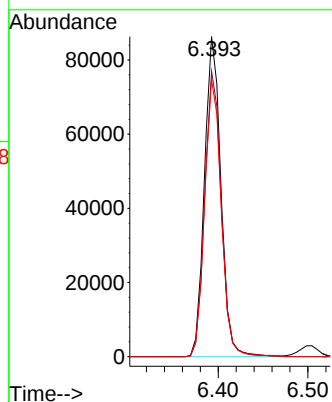
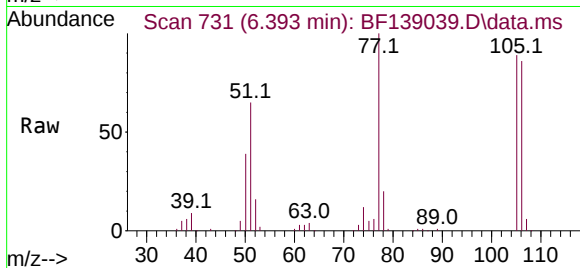
Tgt Ion: 77 Resp: 109807

Ion Ratio Lower Upper

77 100

105 89.2 72.9 112.9

106 86.5 68.4 108.4



#10

Phenol

Concen: 53.984 ng

RT: 6.498 min Scan# 749

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

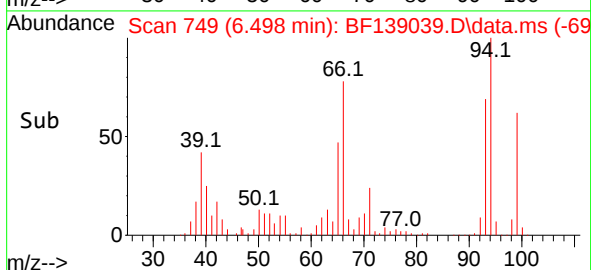
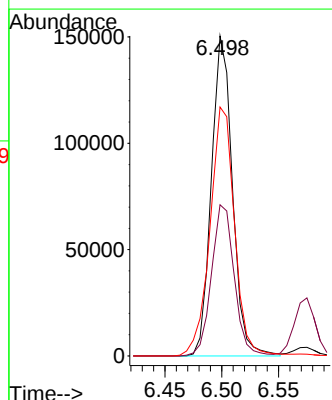
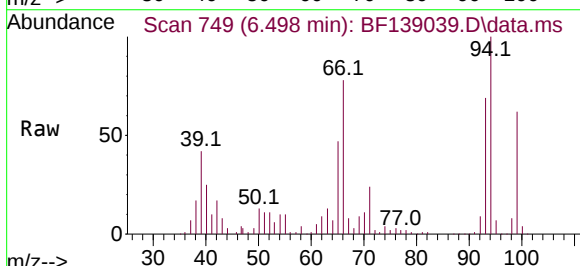
Tgt Ion: 94 Resp: 194252

Ion Ratio Lower Upper

94 100

65 47.3 16.9 56.9

66 77.8 36.5 76.5#

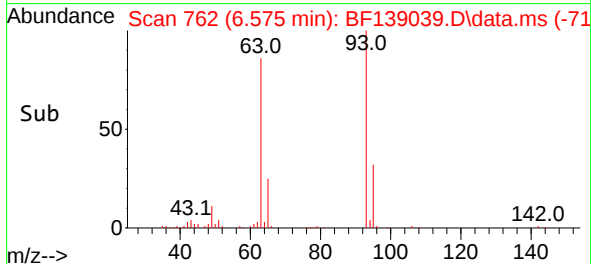
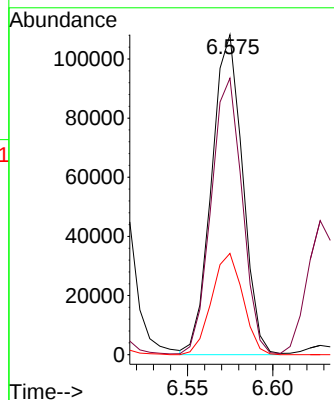
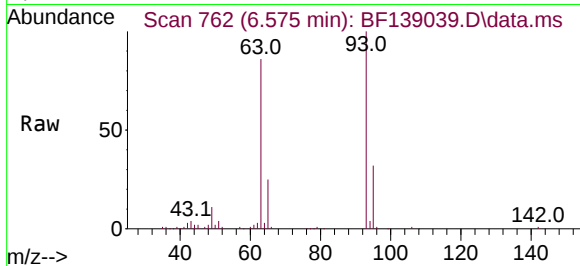




#11  
bis(2-Chloroethyl)ether  
Concen: 49.512 ng  
RT: 6.575 min Scan# 762  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

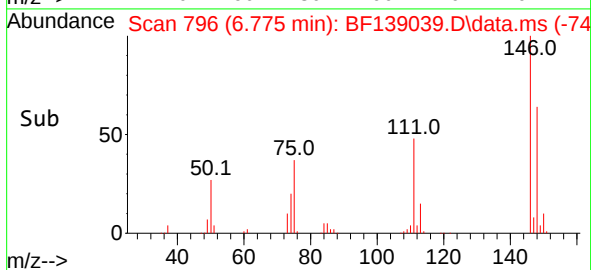
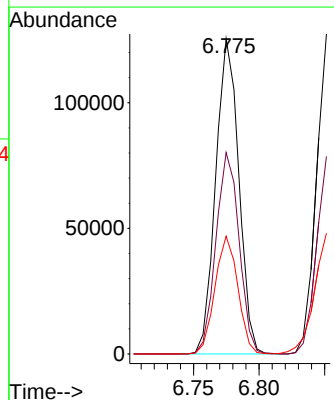
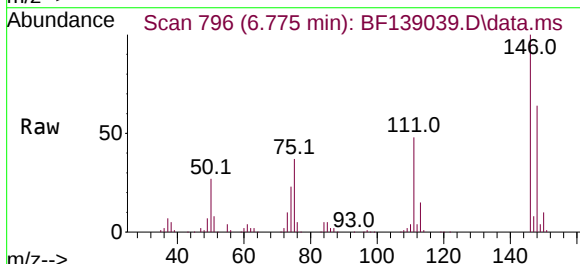
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion: 93 Resp: 137100  
Ion Ratio Lower Upper  
93 100  
63 86.4 65.3 105.3  
95 31.7 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 51.129 ng  
RT: 6.775 min Scan# 796  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:146 Resp: 153279  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.2 76.8  
75 37.3 27.4 41.2

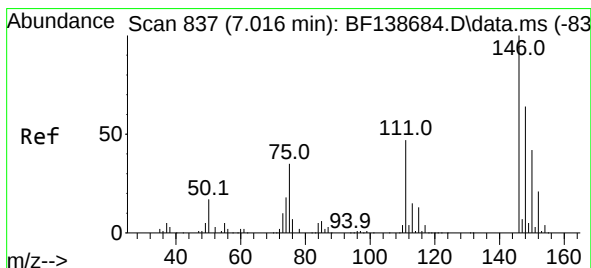
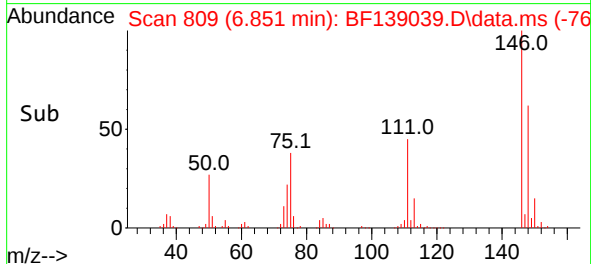
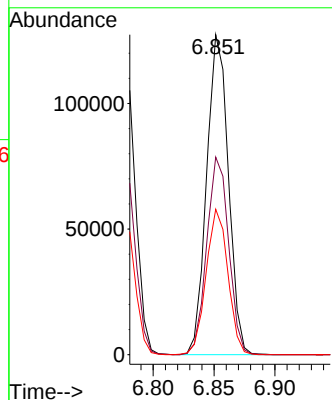
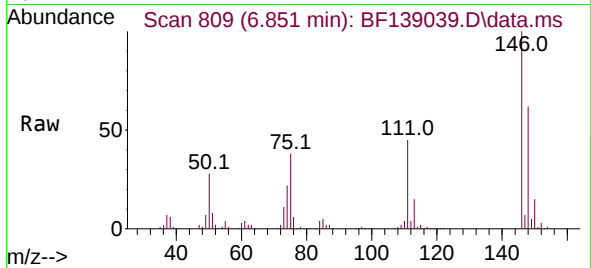




#13  
1,4-Dichlorobenzene  
Concen: 52.414 ng  
RT: 6.851 min Scan# 809  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

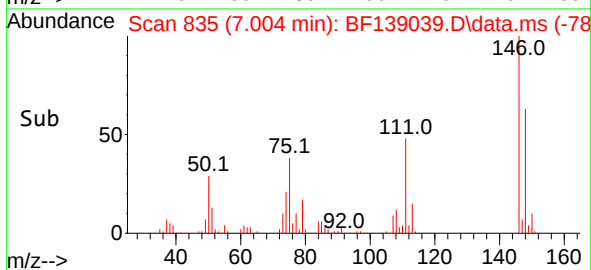
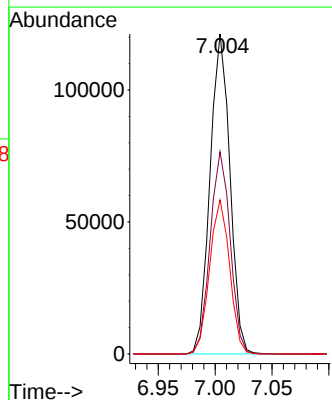
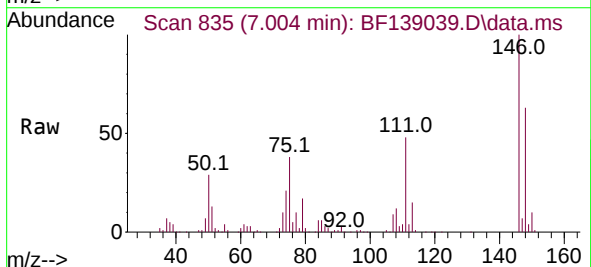
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:146 Resp: 158574  
Ion Ratio Lower Upper  
146 100  
148 61.8 50.2 75.2  
111 45.5 35.9 53.9



#14  
1,2-Dichlorobenzene  
Concen: 52.331 ng  
RT: 7.004 min Scan# 835  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:146 Resp: 147964  
Ion Ratio Lower Upper  
146 100  
148 63.2 50.8 76.2  
111 48.1 37.4 56.2

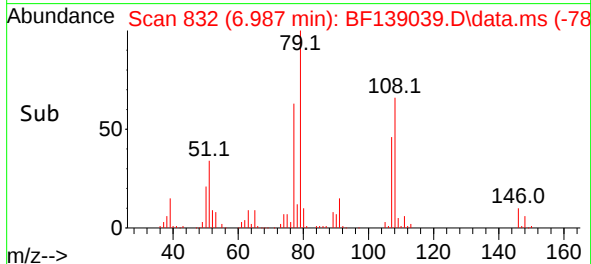
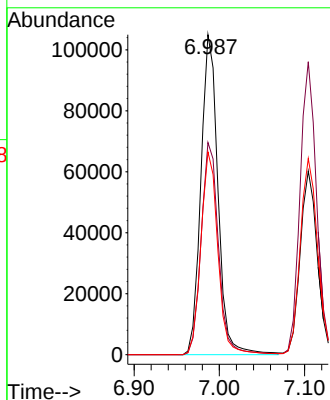
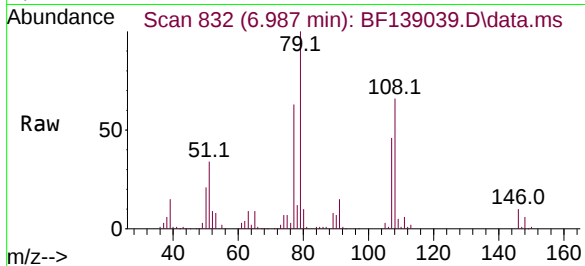




#15  
Benzyl Alcohol  
Concen: 59.322 ng  
RT: 6.987 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

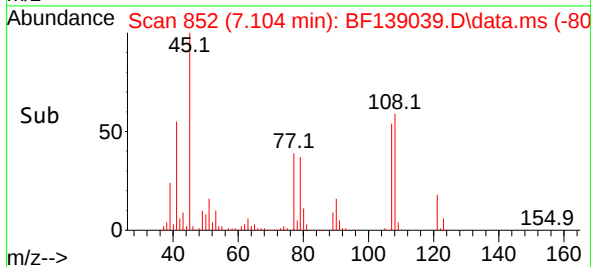
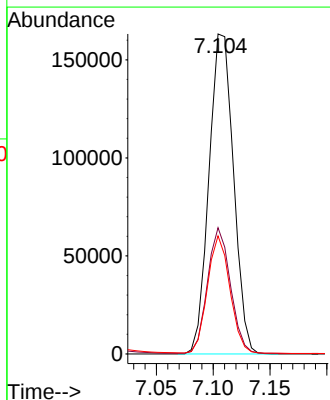
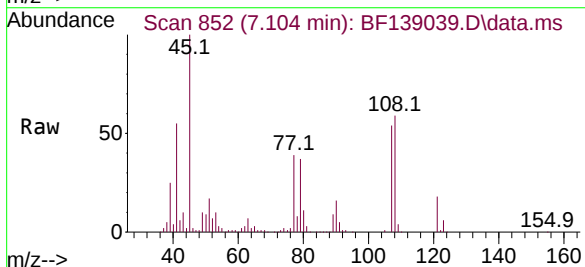
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

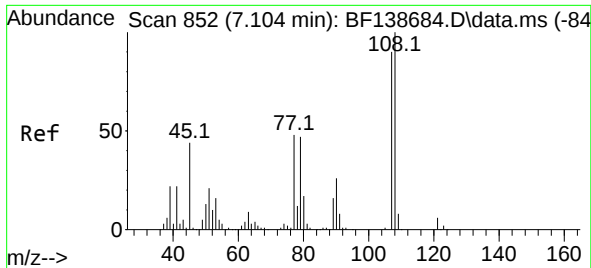
Tgt Ion: 79 Resp: 146125  
Ion Ratio Lower Upper  
79 100  
108 66.3 56.6 85.0  
77 63.4 50.3 75.5



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 51.488 ng  
RT: 7.104 min Scan# 852  
Delta R.T. -0.018 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 45 Resp: 245364  
Ion Ratio Lower Upper  
45 100  
77 39.4 0.0 34.9#  
79 36.9 0.0 32.2#

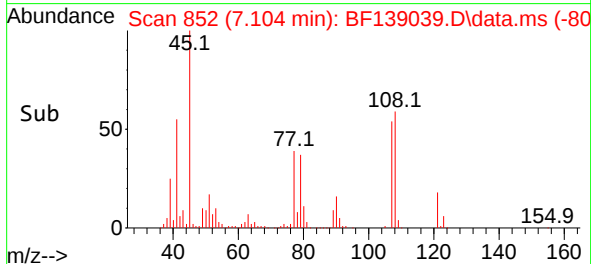
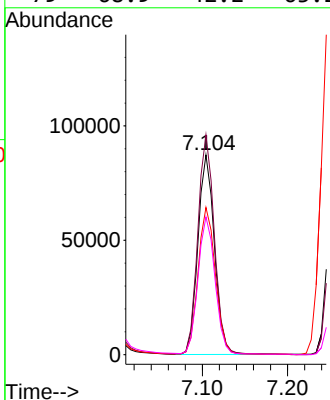
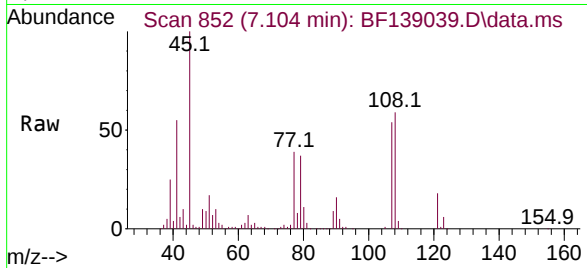




#17  
2-Methylphenol  
Concen: 53.202 ng  
RT: 7.104 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

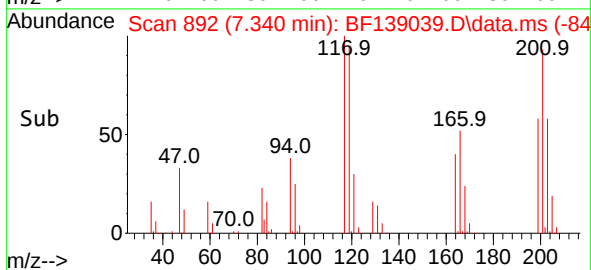
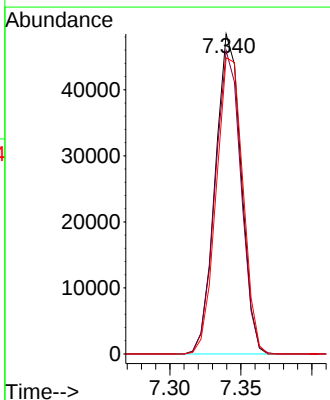
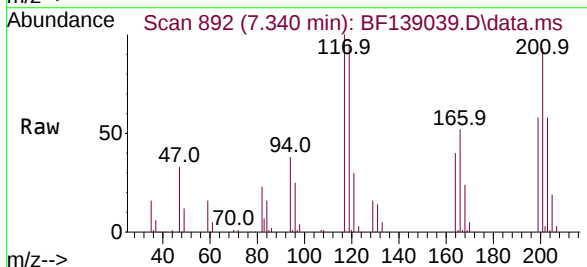
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:107 Resp: 117656  
Ion Ratio Lower Upper  
107 100  
108 110.0 89.2 133.8  
77 73.7 43.0 64.4#  
79 68.9 42.2 63.2#



#18  
Hexachloroethane  
Concen: 53.776 ng  
RT: 7.340 min Scan# 892  
Delta R.T. -0.018 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:117 Resp: 61242  
Ion Ratio Lower Upper  
117 100  
119 94.8 74.6 111.8  
201 92.6 77.2 115.8



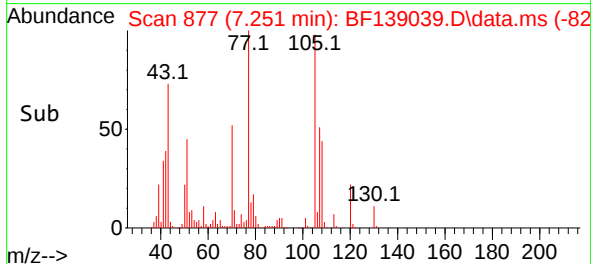
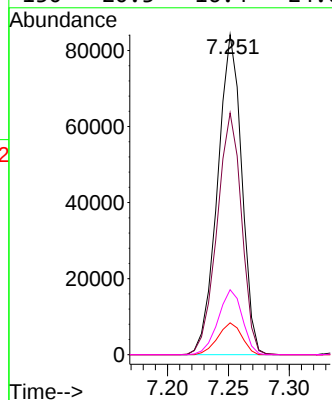
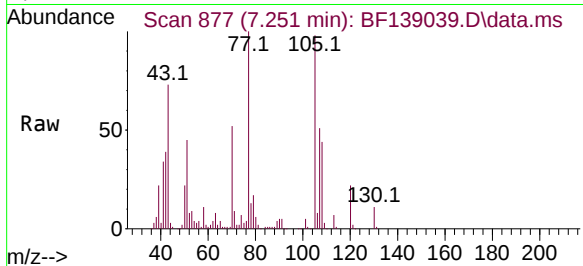


#19  
n-Nitroso-di-n-propylamine  
Concen: 56.364 ng  
RT: 7.251 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion: 70 Resp: 116345

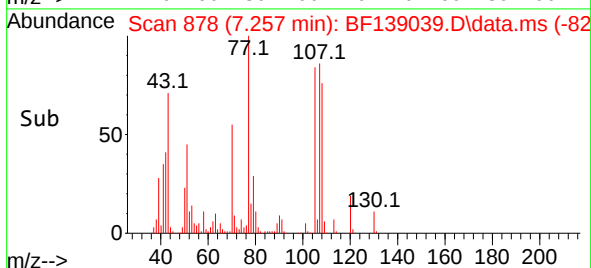
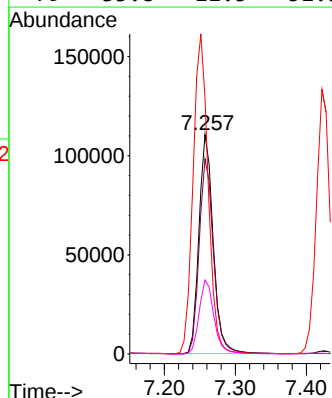
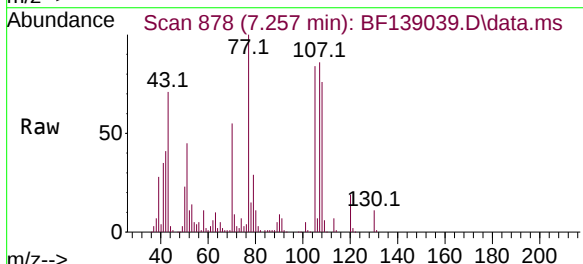
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 75.6  | 57.4  | 86.0  |
| 101 | 9.9   | 7.5   | 11.3  |
| 130 | 20.3  | 16.4  | 24.6  |



#20  
3+4-Methylphenols  
Concen: 54.496 ng  
RT: 7.257 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 107 Resp: 154629

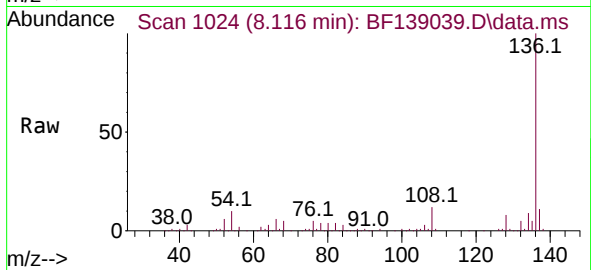
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 107 | 100   |       |        |
| 108 | 88.8  | 68.2  | 108.2  |
| 77  | 116.5 | 132.1 | 172.1# |
| 79  | 33.8  | 11.5  | 51.5   |



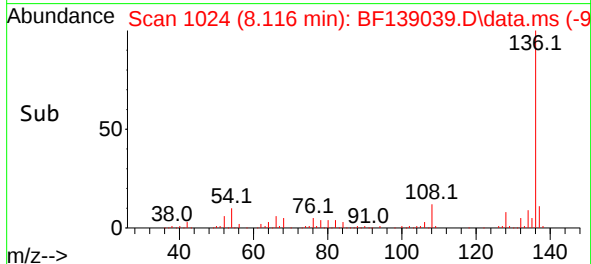
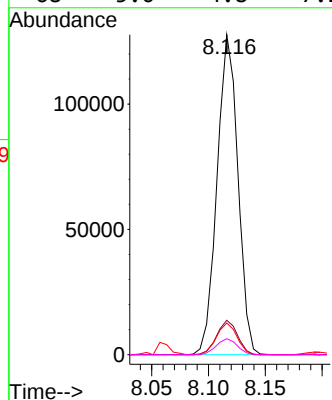


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

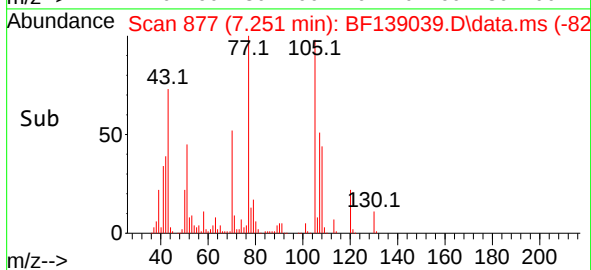
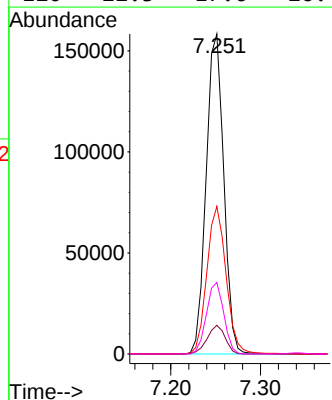
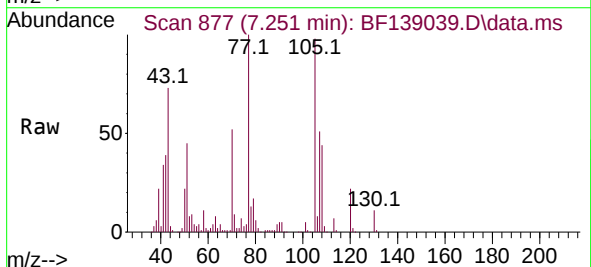


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 163267 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.8  | 8.9   | 13.3   |
| 54        | 9.9   | 8.6   | 12.8   |
| 68        | 5.0   | 4.8   | 7.2    |



#22  
Acetophenone  
Concen: 53.994 ng  
RT: 7.251 min Scan# 877  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 215846 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 9.0   | 7.2   | 10.8   |
| 51        | 46.1  | 35.9  | 53.9   |
| 120       | 22.3  | 17.6  | 26.4   |

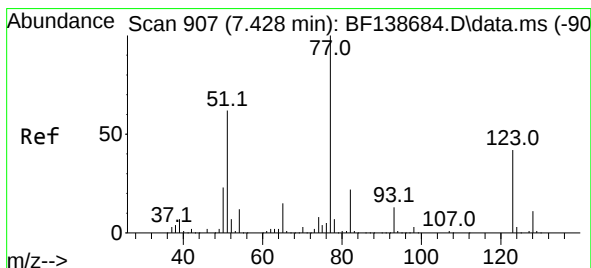
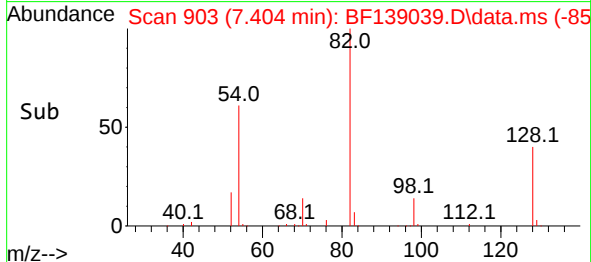
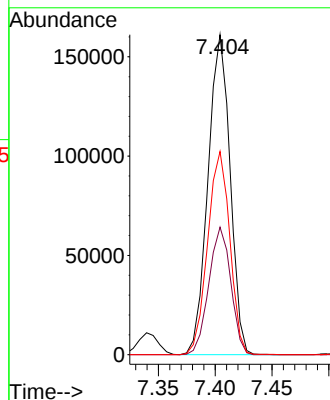
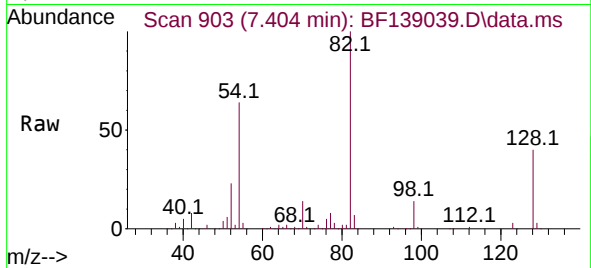




#23  
Nitrobenzene-d5  
Concen: 65.366 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

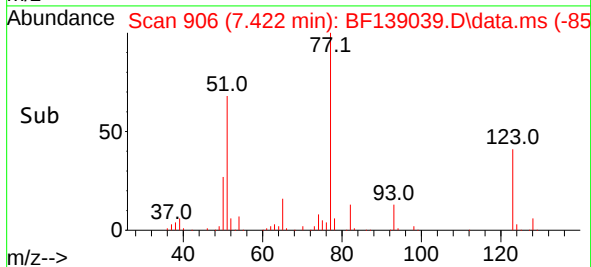
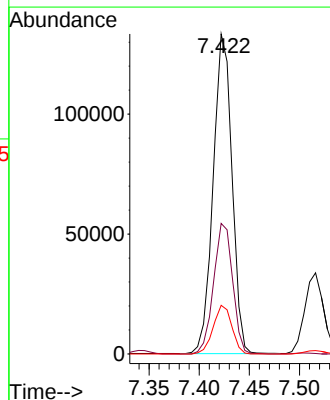
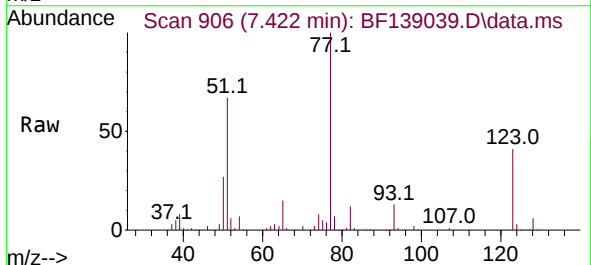
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

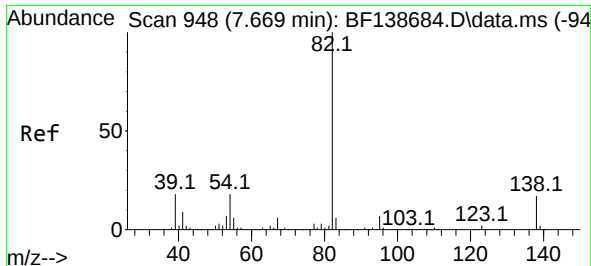
Tgt Ion: 82 Resp: 218281  
Ion Ratio Lower Upper  
82 100  
128 39.9 32.8 49.2  
54 63.5 48.3 72.5



#24  
Nitrobenzene  
Concen: 51.195 ng  
RT: 7.422 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 77 Resp: 173965  
Ion Ratio Lower Upper  
77 100  
123 40.8 33.3 49.9  
65 15.2 11.9 17.9

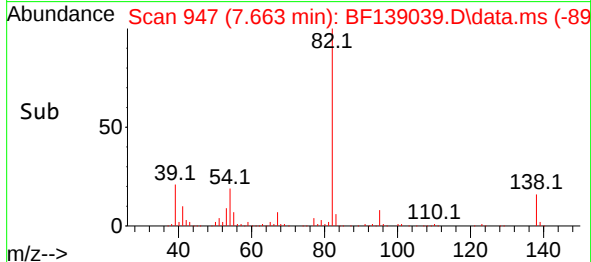
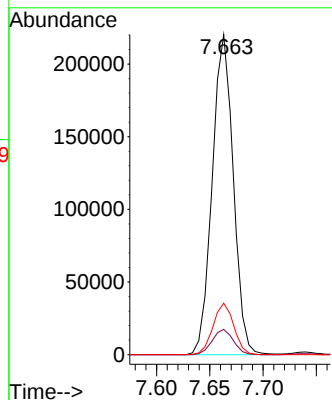
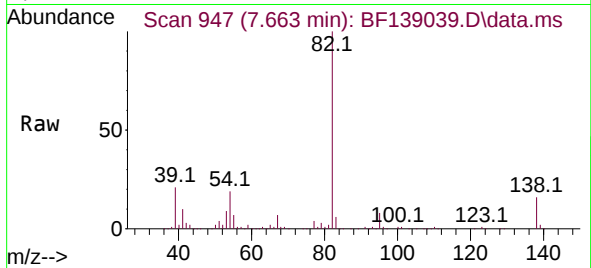




#25  
Isophorone  
Concen: 52.994 ng  
RT: 7.663 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

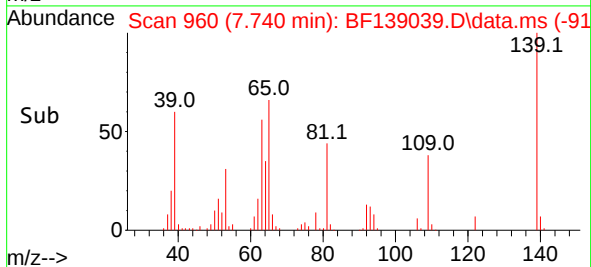
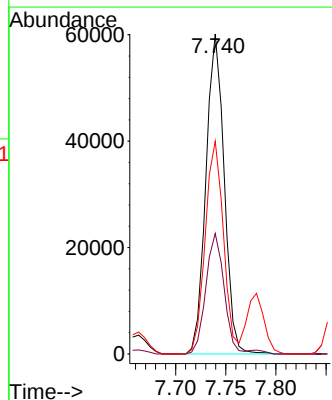
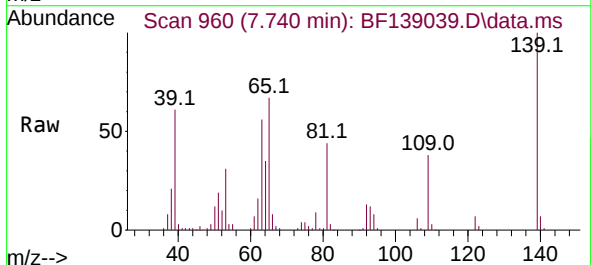
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

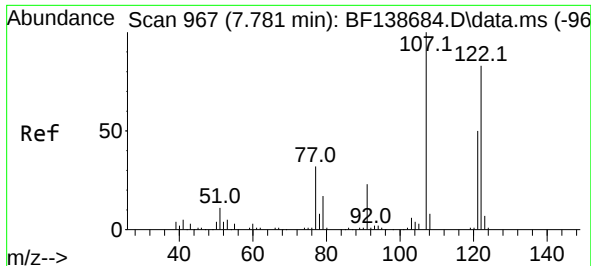
Tgt Ion: 82 Resp: 302179  
Ion Ratio Lower Upper  
82 100  
95 7.9 5.7 8.5  
138 16.1 13.7 20.5



#26  
2-Nitrophenol  
Concen: 52.173 ng  
RT: 7.740 min Scan# 960  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:139 Resp: 76274  
Ion Ratio Lower Upper  
139 100  
109 37.6 25.9 38.9  
65 66.5 47.0 70.6

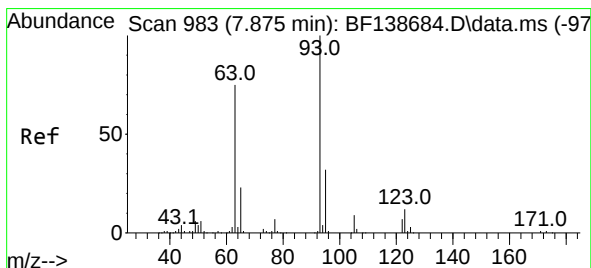
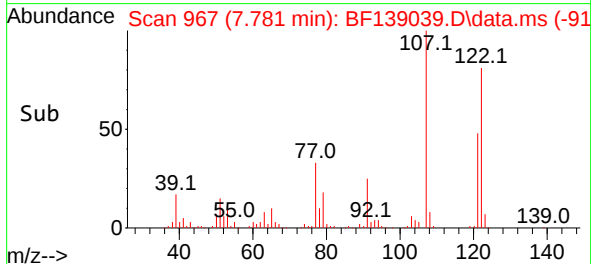
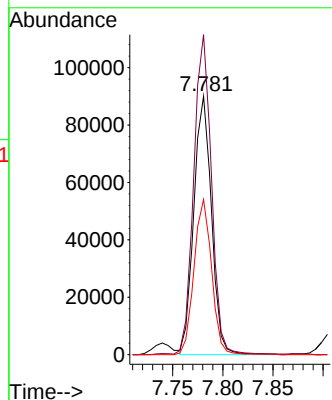
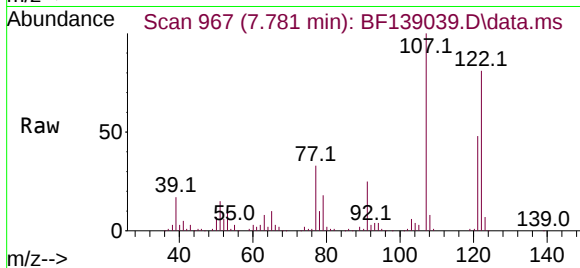




#27  
2,4-Dimethylphenol  
Concen: 63.189 ng  
RT: 7.781 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

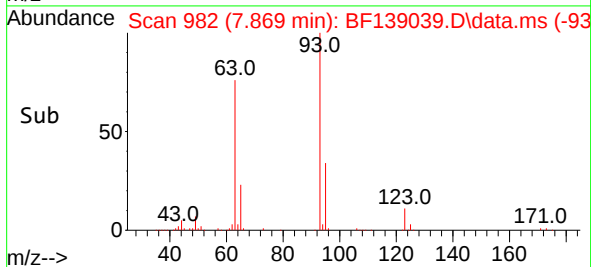
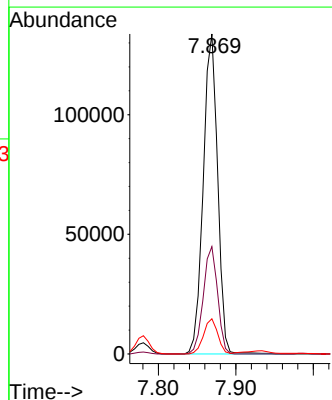
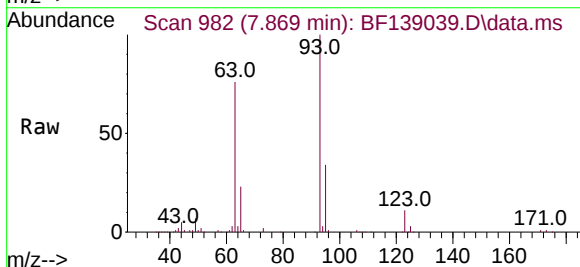
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:122 Resp: 110528  
Ion Ratio Lower Upper  
122 100  
107 123.8 95.0 142.6  
121 60.0 47.3 70.9



#28  
bis(2-Chloroethoxy)methane  
Concen: 49.658 ng  
RT: 7.869 min Scan# 982  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion: 93 Resp: 172434  
Ion Ratio Lower Upper  
93 100  
95 33.5 25.8 38.8  
123 11.0 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 53.650 ng

RT: 7.987 min Scan# 1002

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

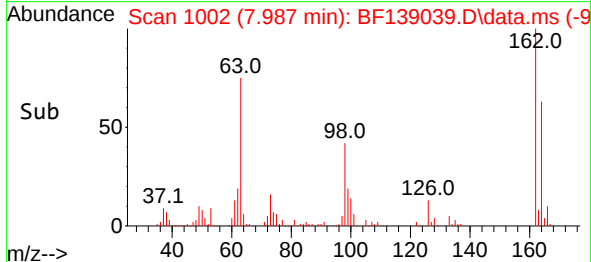
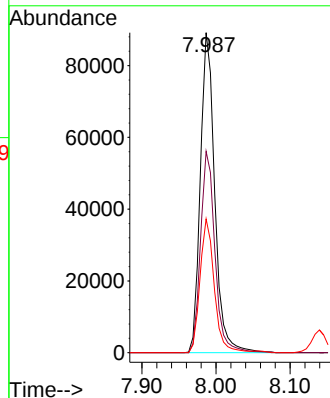
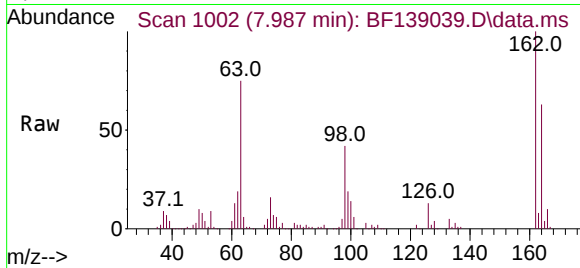
Tgt Ion:162 Resp: 120589

Ion Ratio Lower Upper

162 100

164 62.9 44.7 84.7

98 41.8 20.8 60.8



#30

1,2,4-Trichlorobenzene

Concen: 49.396 ng

RT: 8.057 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

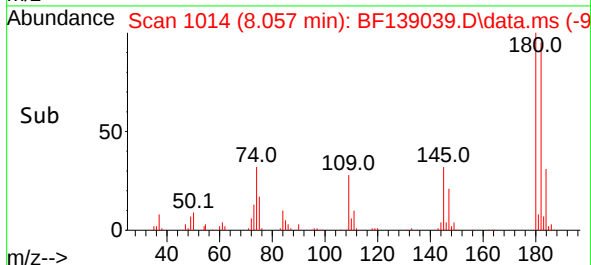
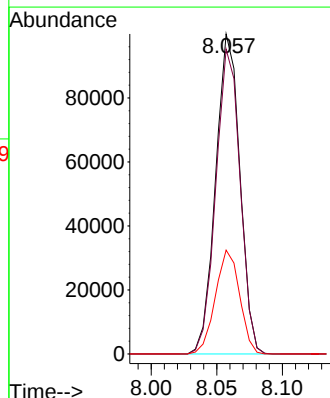
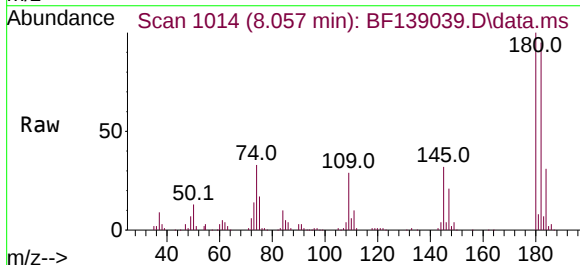
Tgt Ion:180 Resp: 128127

Ion Ratio Lower Upper

180 100

182 95.3 76.9 115.3

145 32.4 25.0 37.4

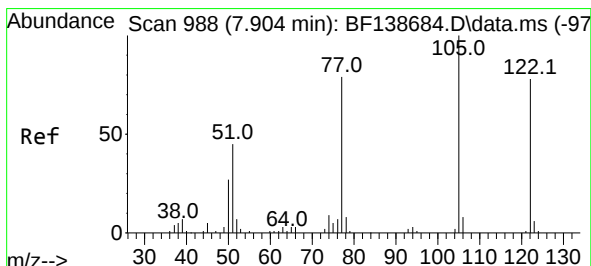
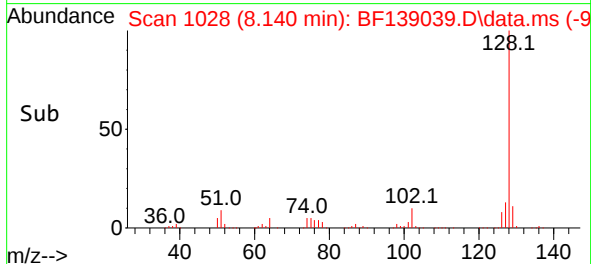
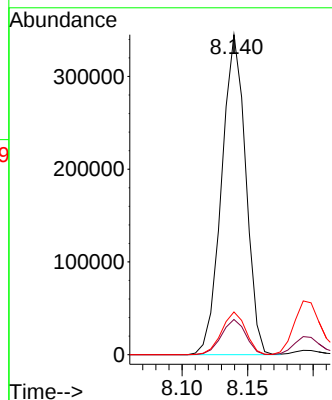
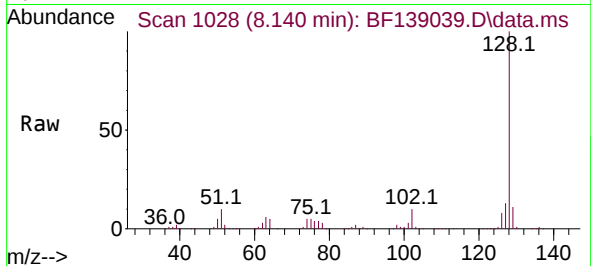




#31  
Naphthalene  
Concen: 51.315 ng  
RT: 8.140 min Scan# 1030  
Delta R.T. -0.011 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

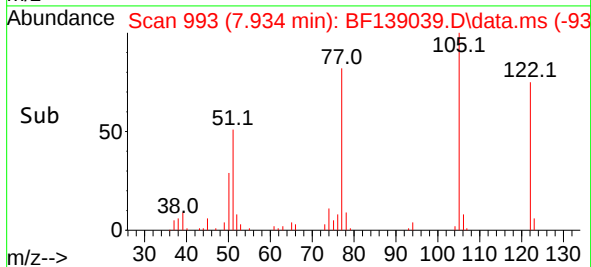
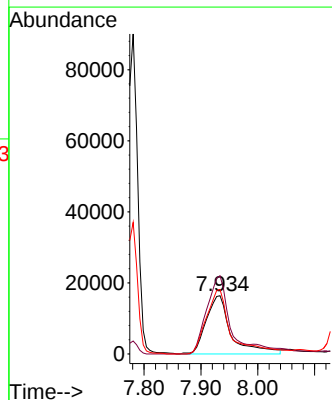
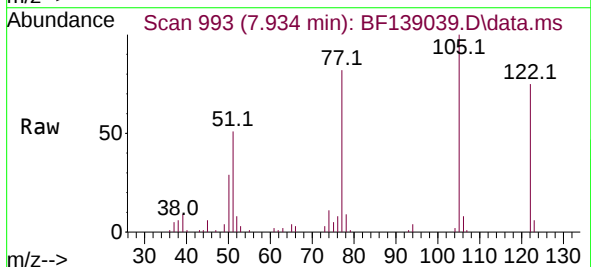
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:128 Resp: 440995  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.7 13.1  
127 13.3 10.6 16.0



#32  
Benzoic acid  
Concen: 36.532 ng  
RT: 7.934 min Scan# 993  
Delta R.T. 0.030 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:122 Resp: 50231  
Ion Ratio Lower Upper  
122 100  
105 134.1 106.7 146.7  
77 110.5 81.1 121.1

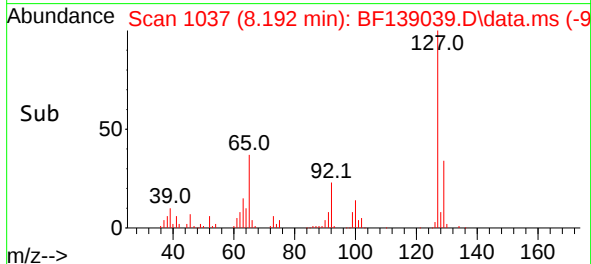
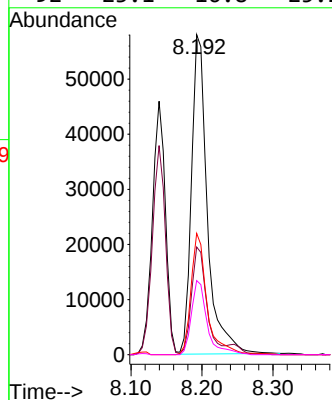
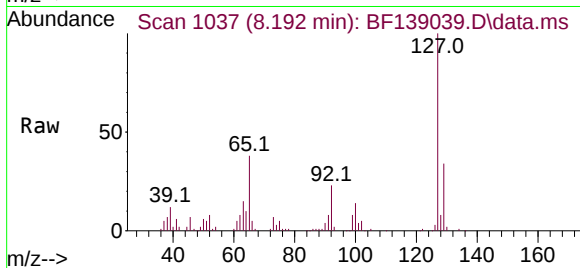




#33  
4-Chloroaniline  
Concen: 31.264 ng  
RT: 8.192 min Scan# 1037  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

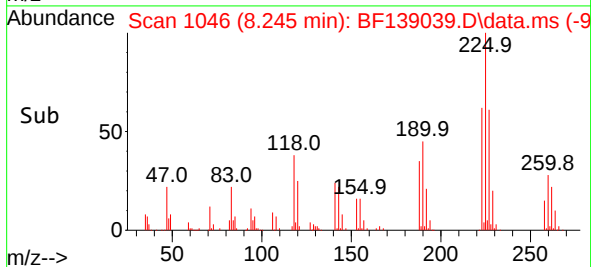
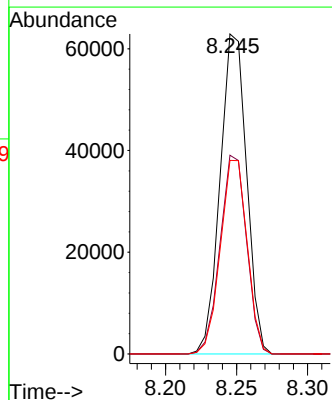
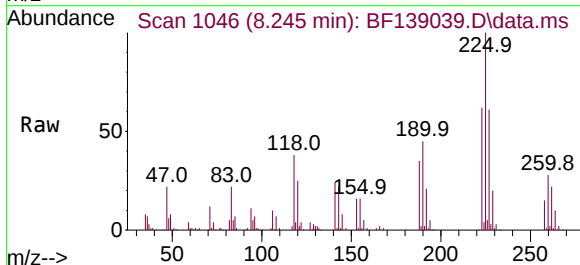
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

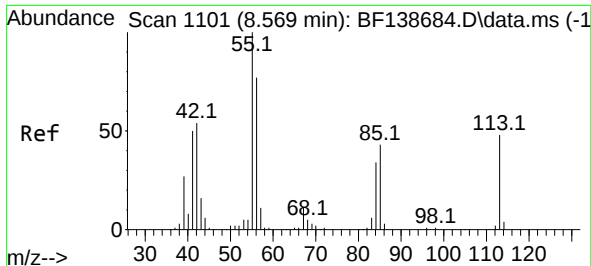
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 90190 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 33.6  | 25.9  | 38.9  |
| 65       | 37.9  | 27.6  | 41.4  |
| 92       | 23.1  | 16.8  | 25.2  |



#34  
Hexachlorobutadiene  
Concen: 51.920 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. -0.018 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 81572 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 62.1  | 51.2  | 76.8  |
| 227      | 60.5  | 51.1  | 76.7  |

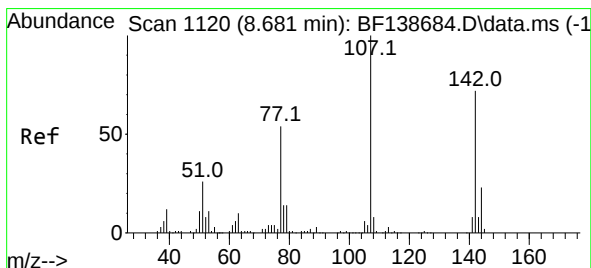
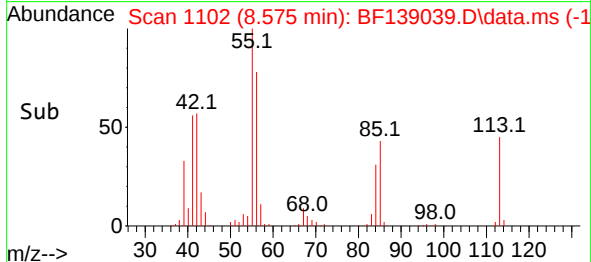
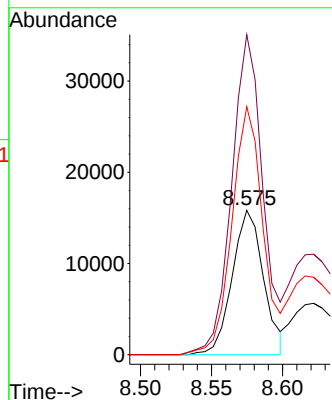
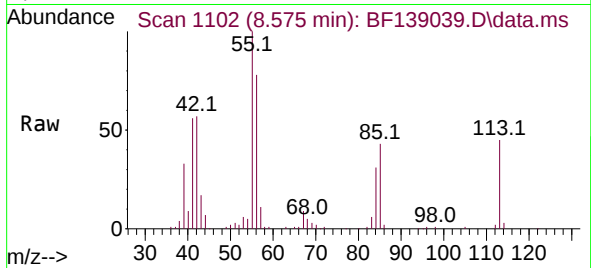




#35  
Caprolactam  
Concen: 36.214 ng  
RT: 8.575 min Scan# 1101  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

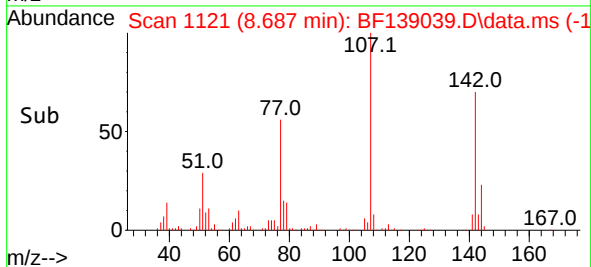
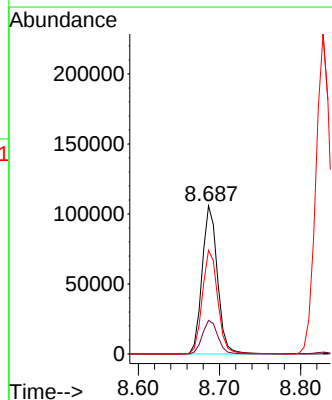
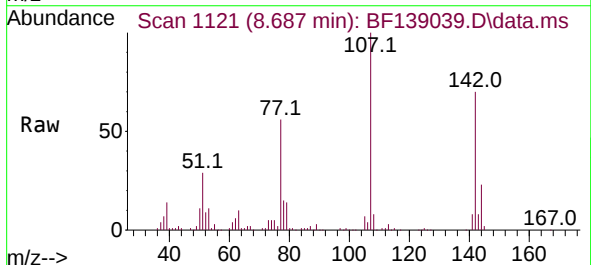
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

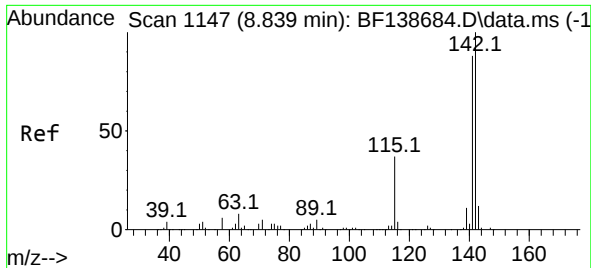
Tgt Ion:113 Resp: 24288  
Ion Ratio Lower Upper  
113 100  
55 221.7 186.7 226.7  
56 171.8 138.9 178.9



#36  
4-Chloro-3-methylphenol  
Concen: 54.031 ng  
RT: 8.687 min Scan# 1121  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:107 Resp: 138794  
Ion Ratio Lower Upper  
107 100  
144 22.7 18.2 27.2  
142 70.0 57.4 86.2





#37

2-Methylnaphthalene

Concen: 52.397 ng

RT: 8.828 min Scan# 1145

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

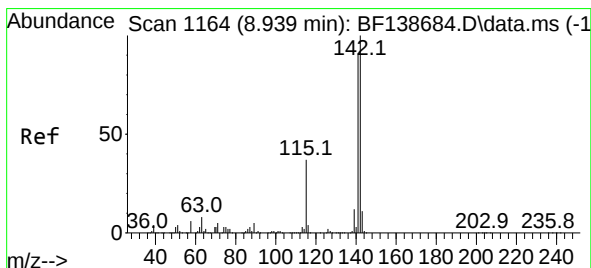
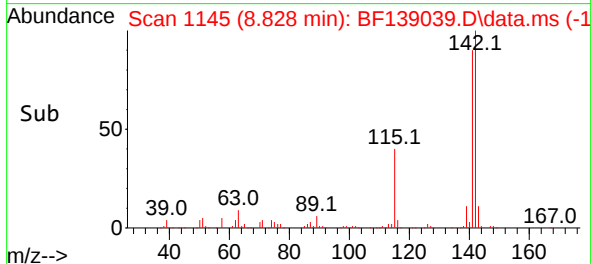
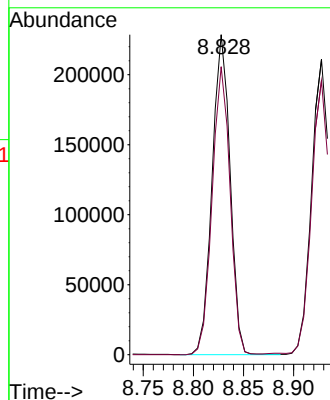
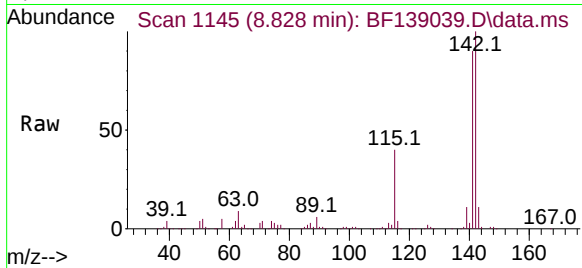
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:142 Resp: 284386

Ion Ratio Lower Upper

142 100

141 90.0 70.8 106.2



#38

1-Methylnaphthalene

Concen: 49.392 ng

RT: 8.928 min Scan# 1162

Delta R.T. -0.012 min

Lab File: BF139039.D

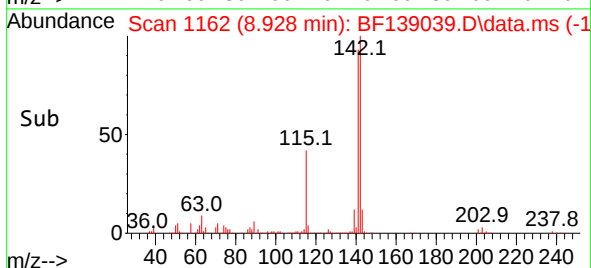
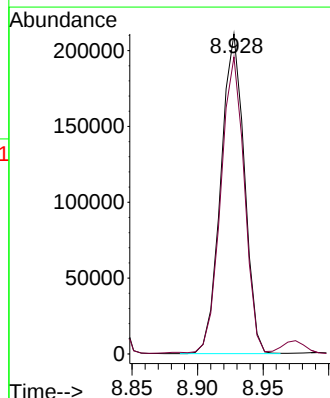
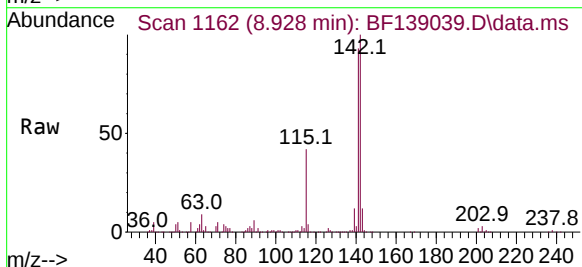
Acq: 15 Aug 2024 23:47

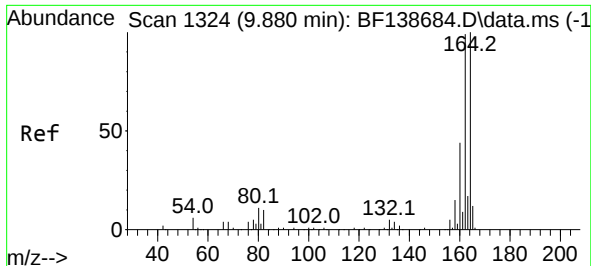
Tgt Ion:142 Resp: 262690

Ion Ratio Lower Upper

142 100

141 92.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

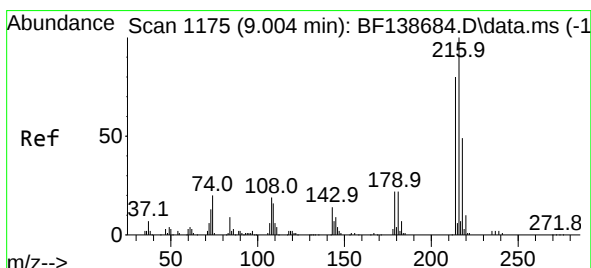
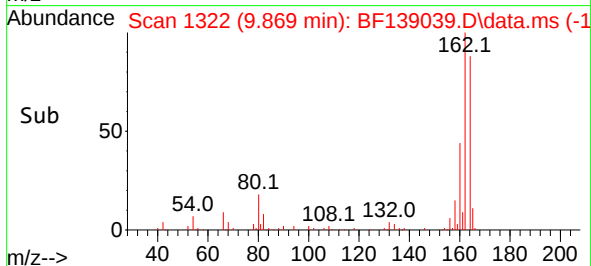
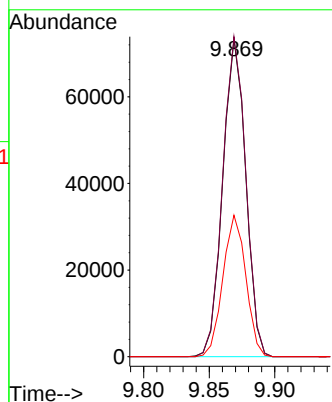
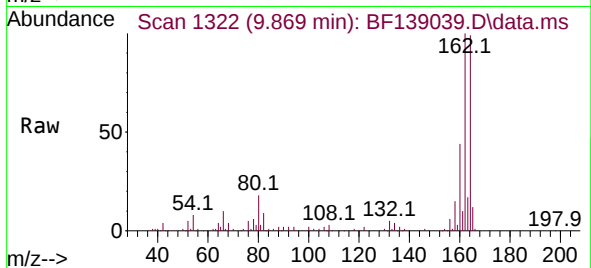
Tgt Ion:164 Resp: 89298

Ion Ratio Lower Upper

164 100

162 100.8 79.4 119.0

160 44.5 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.624 ng

RT: 8.992 min Scan# 1173

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Tgt Ion:216 Resp: 128058

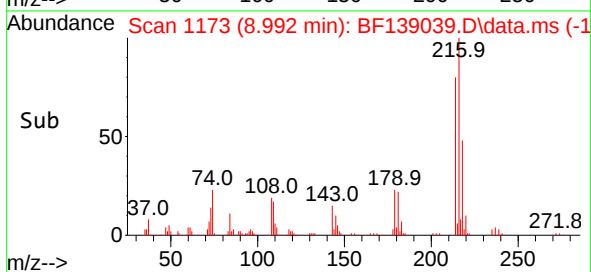
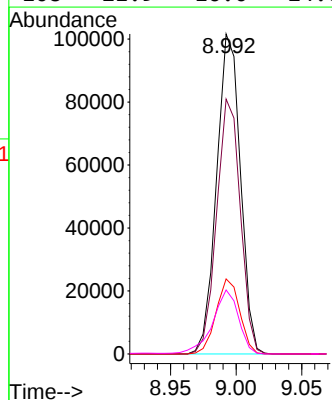
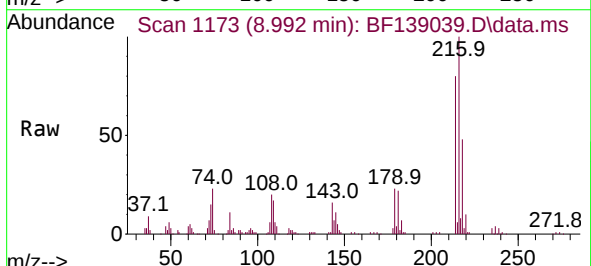
Ion Ratio Lower Upper

216 100

214 79.2 63.9 95.9

179 23.3 17.8 26.6

108 21.9 16.0 24.0

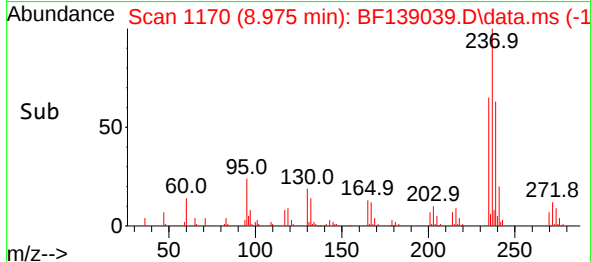
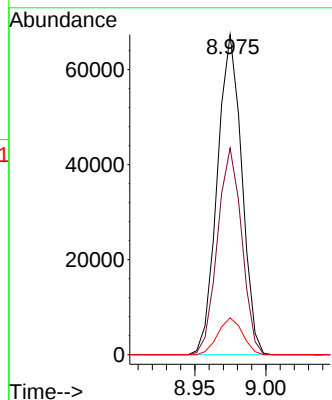
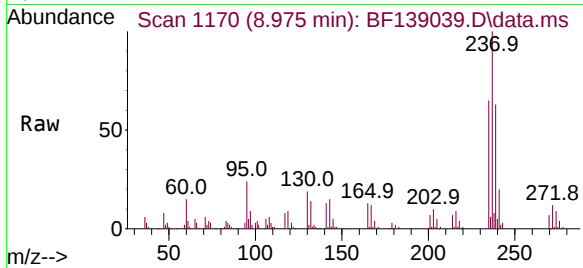




#41  
Hexachlorocyclopentadiene  
Concen: 119.003 ng  
RT: 8.975 min Scan# 1172  
Delta R.T. -0.011 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

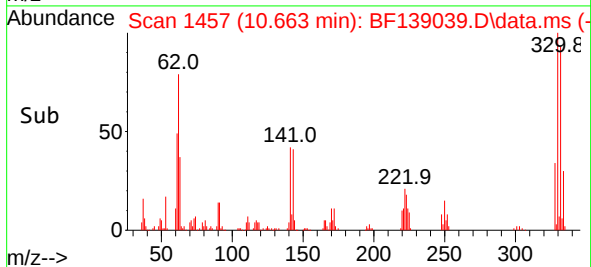
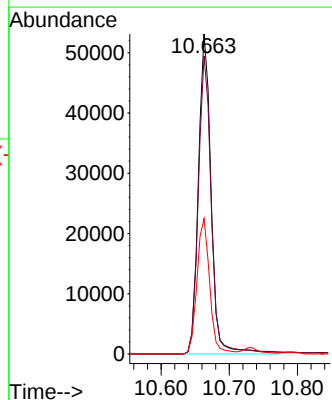
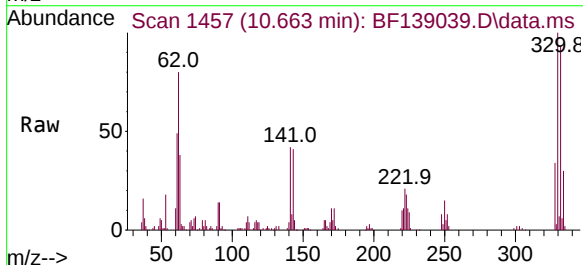
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:237 Resp: 80577  
Ion Ratio Lower Upper  
237 100  
235 64.5 41.8 81.8  
272 11.5 0.0 32.2



#42  
2,4,6-Tribromophenol  
Concen: 94.336 ng  
RT: 10.663 min Scan# 1457  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:330 Resp: 69004  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.4 114.6  
141 42.0 31.1 46.7





#43

2,4,6-Trichlorophenol

Concen: 49.860 ng

RT: 9.116 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

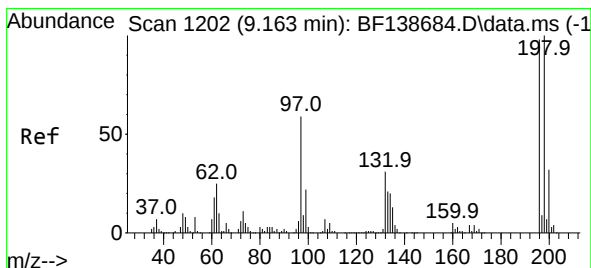
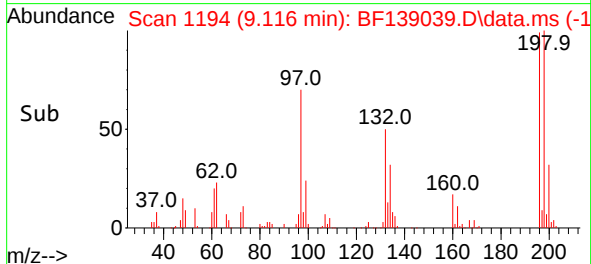
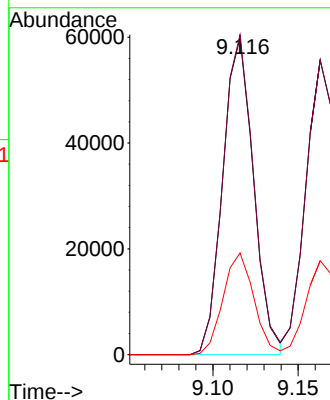
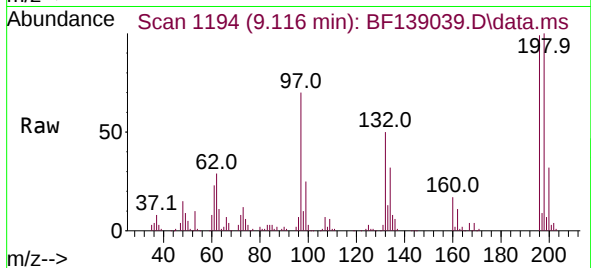
Tgt Ion:196 Resp: 75410

Ion Ratio Lower Upper

196 100

198 100.9 80.5 120.7

200 32.1 25.9 38.9



#44

2,4,5-Trichlorophenol

Concen: 49.010 ng

RT: 9.163 min Scan# 1202

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Tgt Ion:196 Resp: 81034

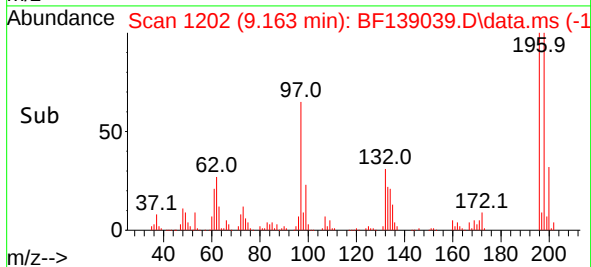
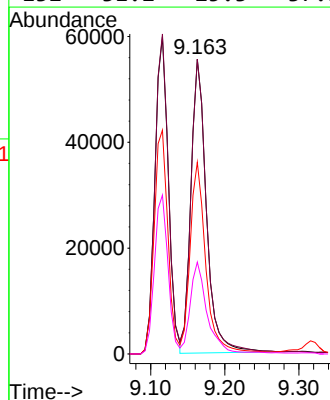
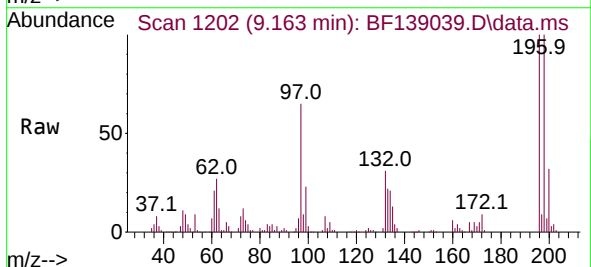
Ion Ratio Lower Upper

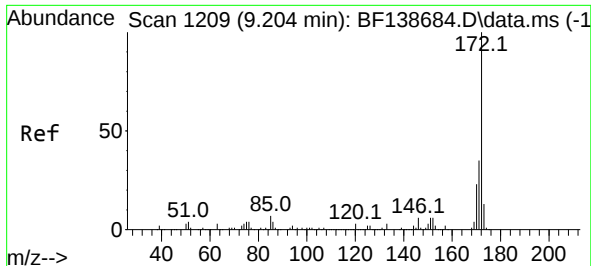
196 100

198 99.9 81.2 121.8

97 65.0 47.8 71.6

132 31.2 25.3 37.9





#45

2-Fluorobiphenyl

Concen: 64.371 ng

RT: 9.186 min Scan# 1206

Delta R.T. -0.018 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

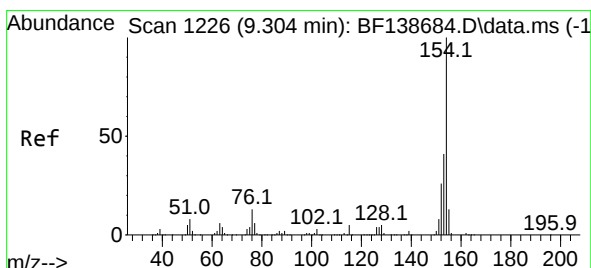
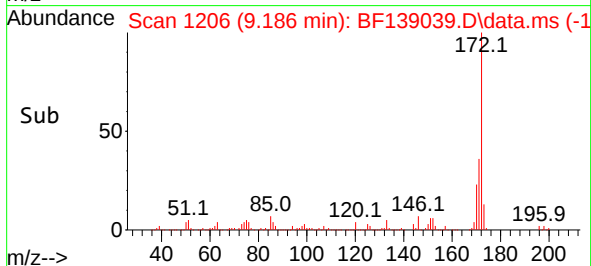
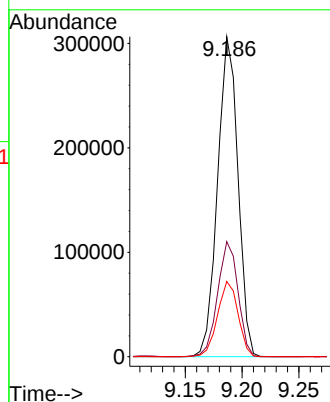
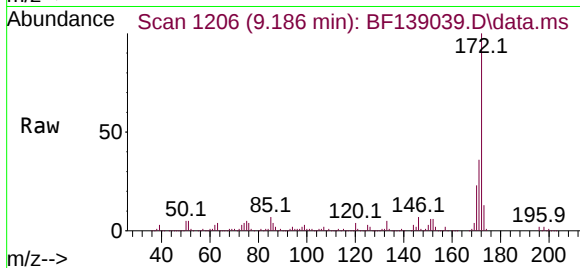
Tgt Ion:172 Resp: 382576

Ion Ratio Lower Upper

172 100

171 35.9 28.3 42.5

170 23.5 18.8 28.2



#46

1,1'-Biphenyl

Concen: 51.280 ng

RT: 9.292 min Scan# 1224

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

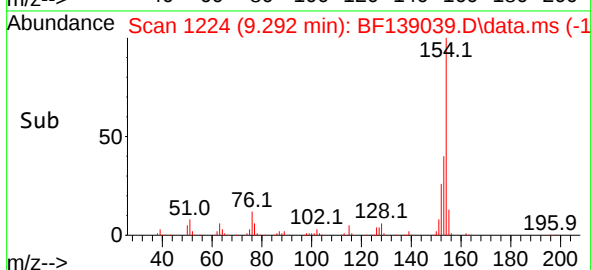
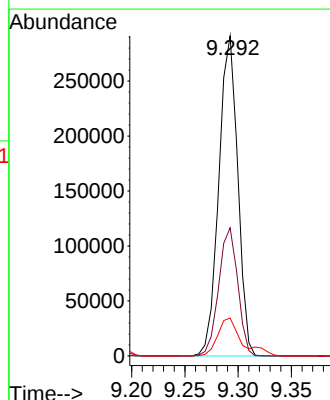
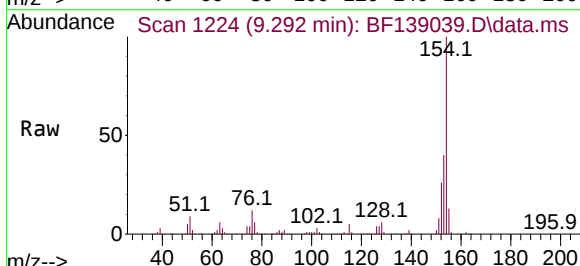
Tgt Ion:154 Resp: 358638

Ion Ratio Lower Upper

154 100

153 40.0 20.8 60.8

76 11.9 0.0 32.8





#47

2-Chloronaphthalene

Concen: 50.515 ng

RT: 9.316 min Scan# 1228

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

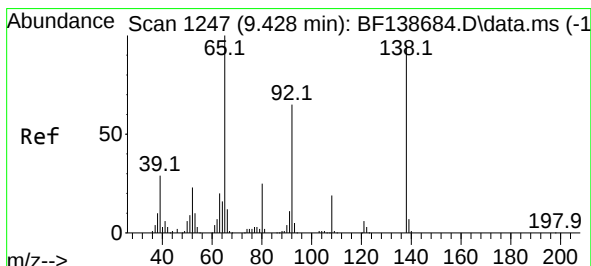
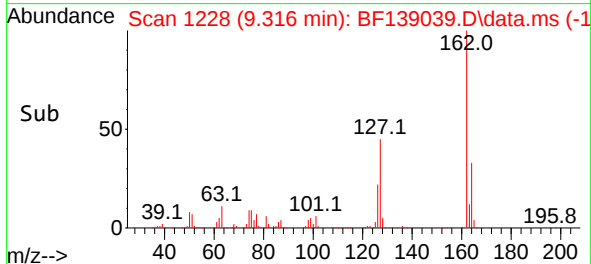
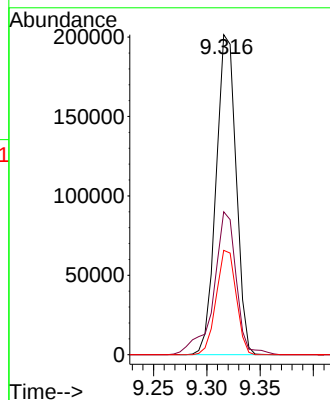
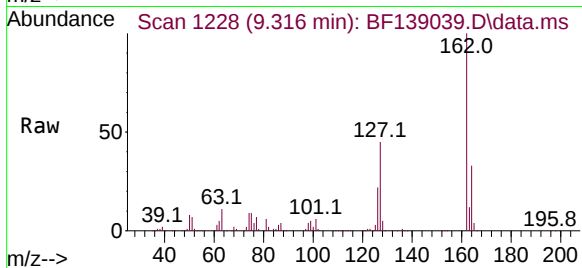
Tgt Ion:162 Resp: 262748

Ion Ratio Lower Upper

162 100

127 44.7 35.4 53.2

164 32.6 25.6 38.4



#48

2-Nitroaniline

Concen: 56.119 ng

RT: 9.422 min Scan# 1246

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

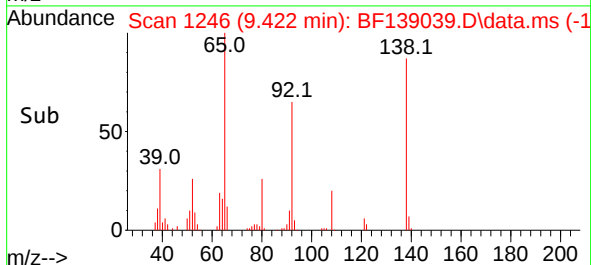
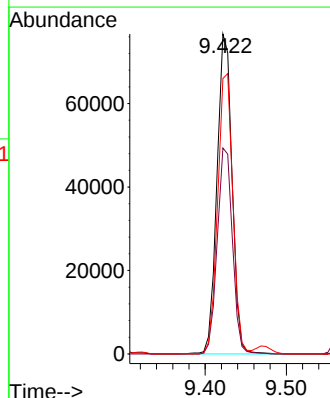
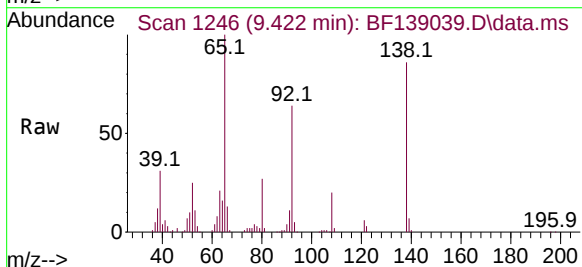
Tgt Ion: 65 Resp: 98957

Ion Ratio Lower Upper

65 100

92 64.4 52.0 78.0

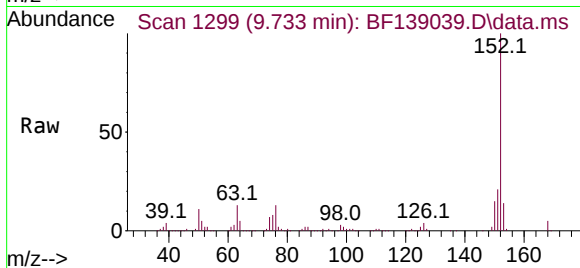
138 86.1 76.2 114.4



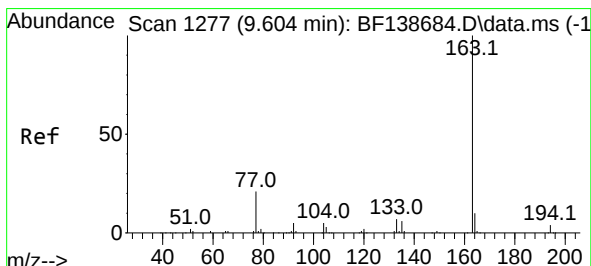
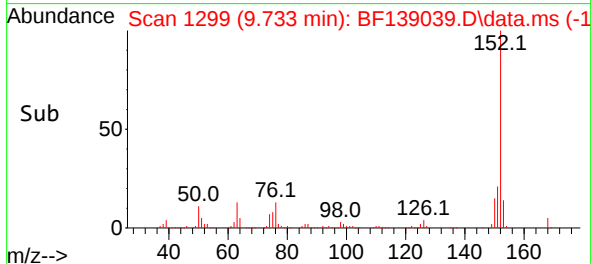
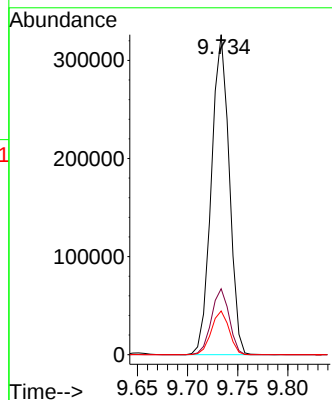


#49  
Acenaphthylene  
Concen: 54.803 ng  
RT: 9.733 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

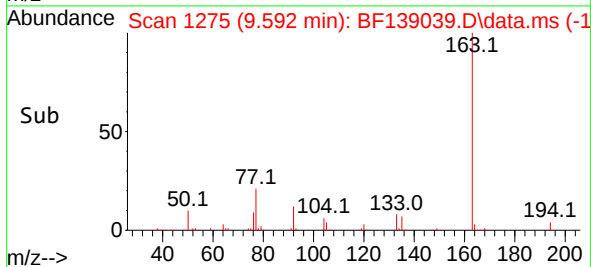
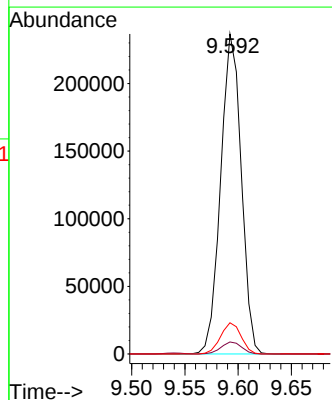
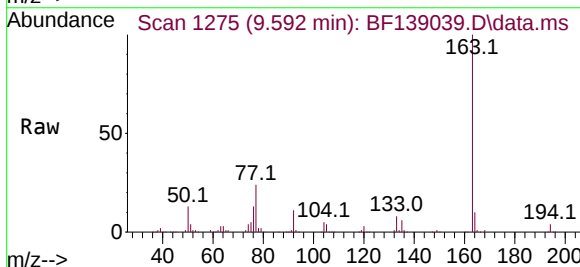


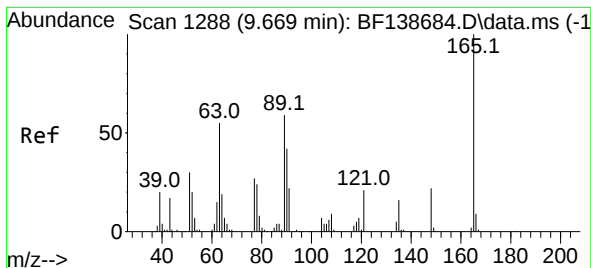
Tgt Ion:152 Resp: 404292  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.0 24.0  
153 13.7 11.0 16.4



#50  
Dimethylphthalate  
Concen: 55.608 ng  
RT: 9.592 min Scan# 1275  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:163 Resp: 317510  
Ion Ratio Lower Upper  
163 100  
194 3.8 3.1 4.7  
164 9.8 7.8 11.8





#51

2,6-Dinitrotoluene

Concen: 53.494 ng

RT: 9.663 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

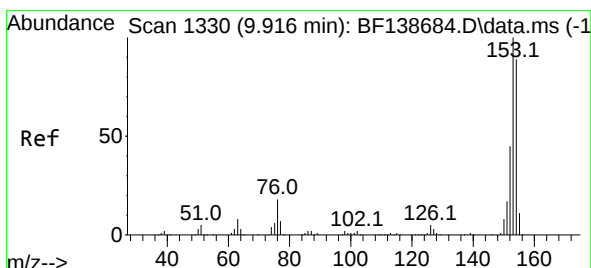
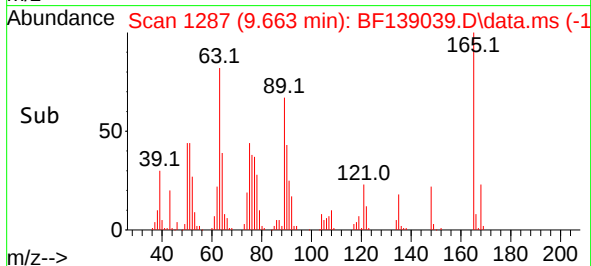
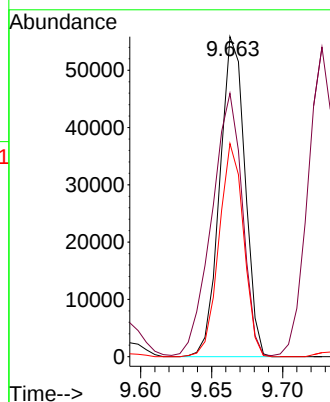
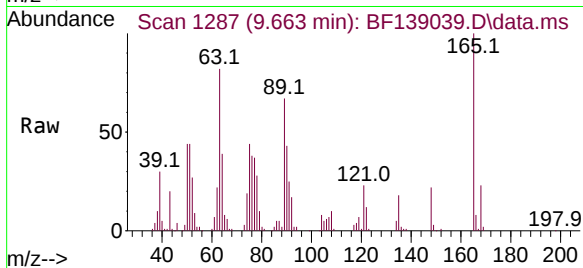
Tgt Ion:165 Resp: 68933

Ion Ratio Lower Upper

165 100

63 82.3 52.0 78.0#

89 66.6 47.0 70.6



#52

Acenaphthene

Concen: 52.238 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

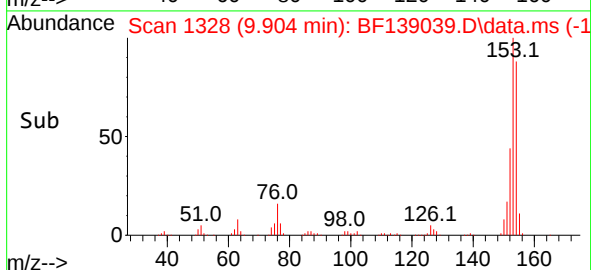
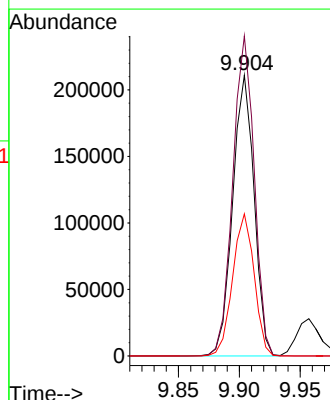
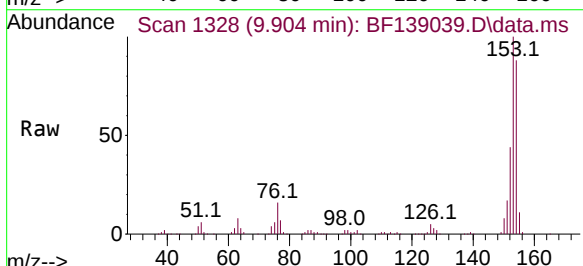
Tgt Ion:154 Resp: 259051

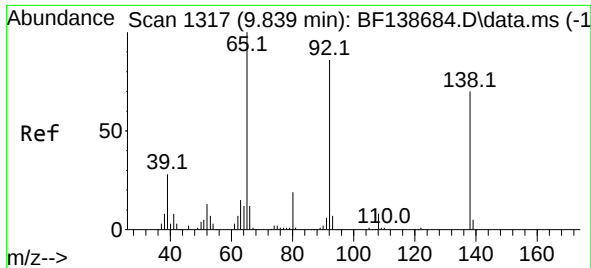
Ion Ratio Lower Upper

154 100

153 114.0 89.9 134.9

152 50.6 40.6 60.8

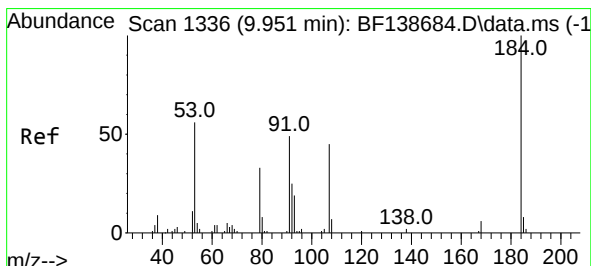
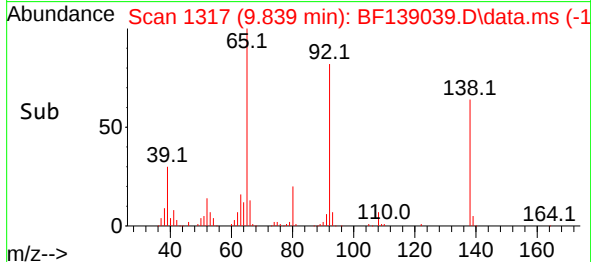
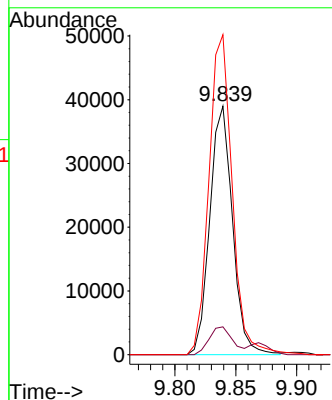
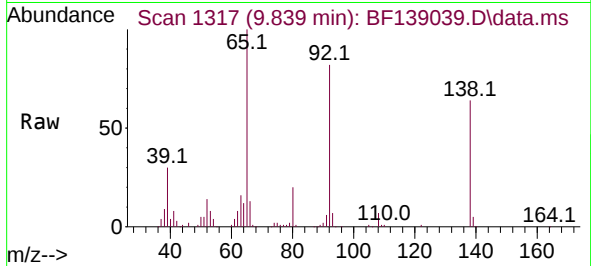




#53  
3-Nitroaniline  
Concen: 38.016 ng  
RT: 9.839 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

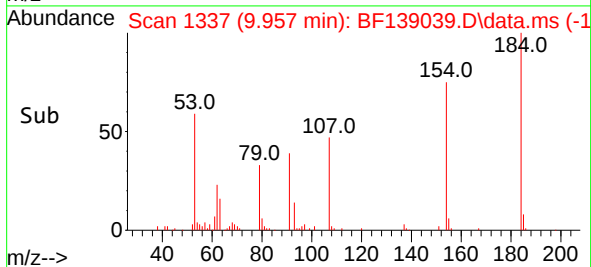
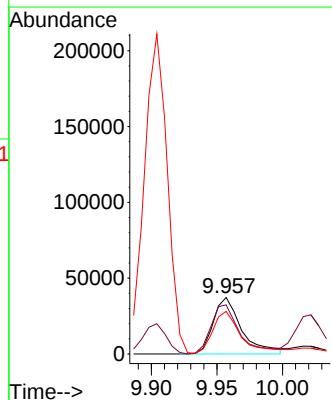
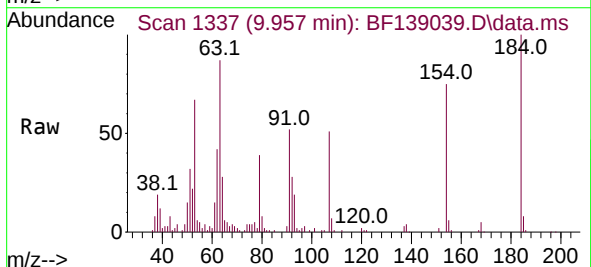
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

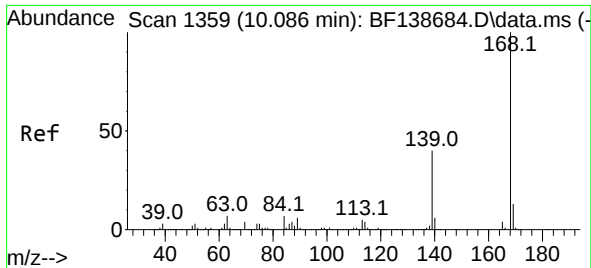
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 50642 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 11.2  | 9.1   | 13.7  |
| 92        | 128.8 | 98.7  | 148.1 |



#54  
2,4-Dinitrophenol  
Concen: 94.615 ng  
RT: 9.957 min Scan# 1337  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 56124 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 87.0  | 57.5  | 86.3# |
| 154       | 75.3  | 51.7  | 77.5  |

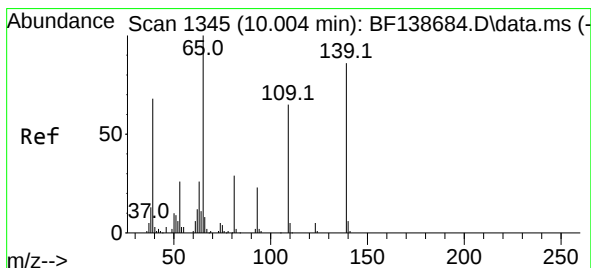
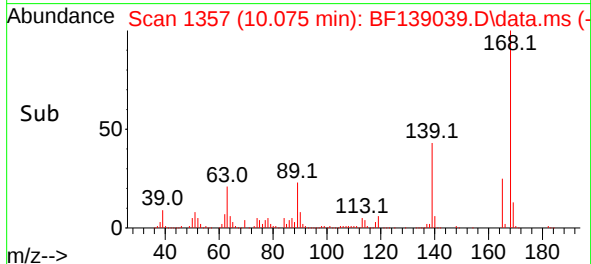
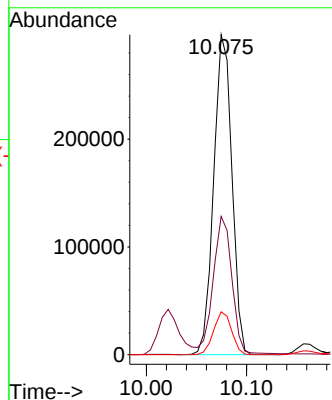
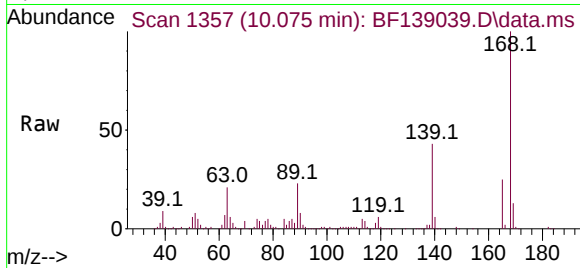




#55  
Dibenzenofuran  
Concen: 53.469 ng  
RT: 10.075 min Scan# 1357  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

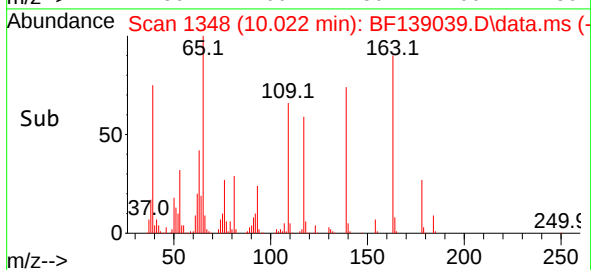
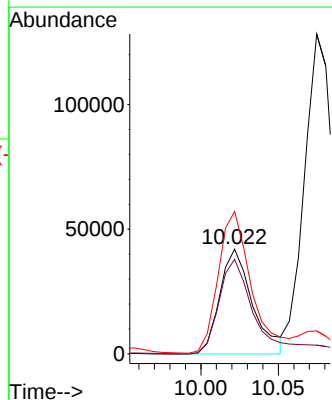
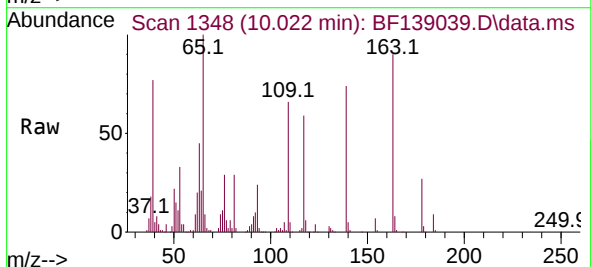
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:168 Resp: 374298  
Ion Ratio Lower Upper  
168 100  
139 43.2 32.6 49.0  
169 13.4 10.7 16.1



#56  
4-Nitrophenol  
Concen: 77.129 ng  
RT: 10.022 min Scan# 1348  
Delta R.T. 0.018 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:139 Resp: 61786  
Ion Ratio Lower Upper  
139 100  
109 90.3 55.5 95.5  
65 135.9 96.7 136.7

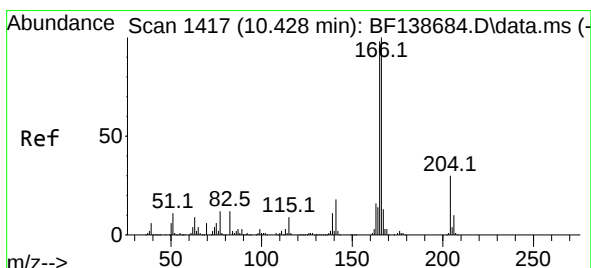
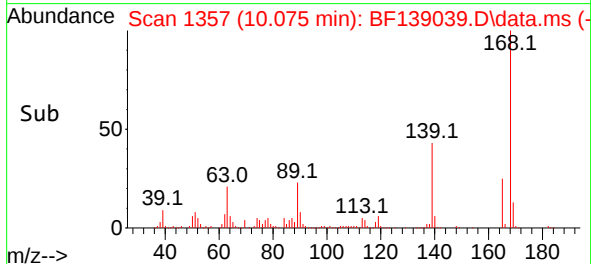
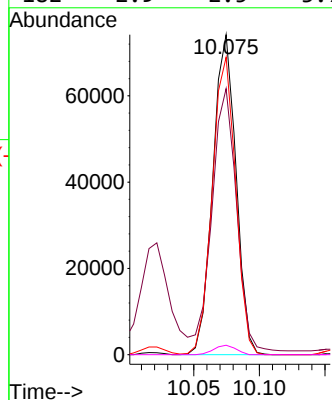
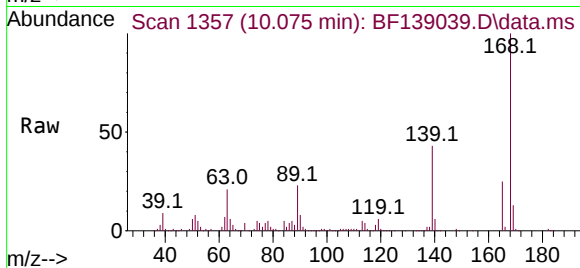




#57  
2,4-Dinitrotoluene  
Concen: 55.535 ng  
RT: 10.075 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

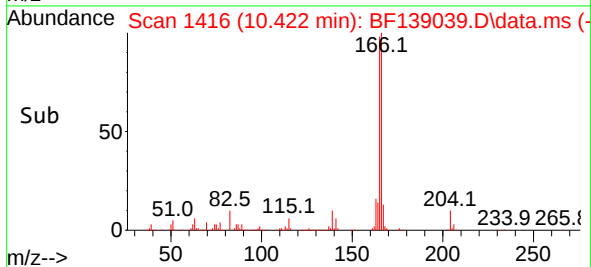
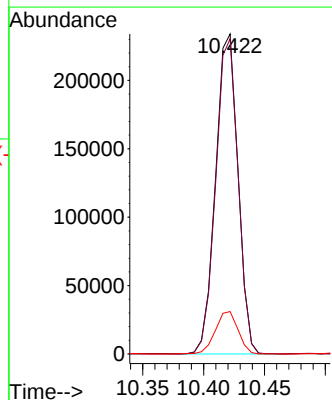
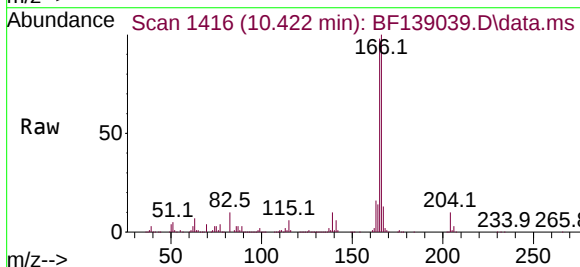
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:165 Resp: 91302  
Ion Ratio Lower Upper  
165 100  
63 83.1 46.3 69.5#  
89 92.9 64.2 96.4  
182 2.9 2.5 3.7



#58  
Fluorene  
Concen: 53.818 ng  
RT: 10.422 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:166 Resp: 300013  
Ion Ratio Lower Upper  
166 100  
165 98.5 78.4 117.6  
167 13.3 10.6 16.0

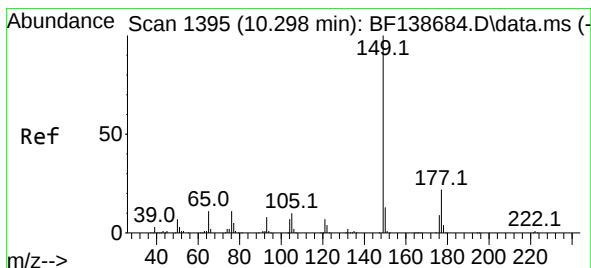
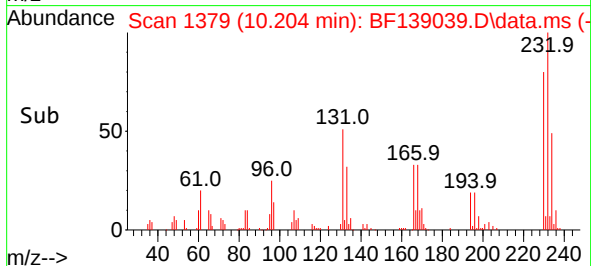
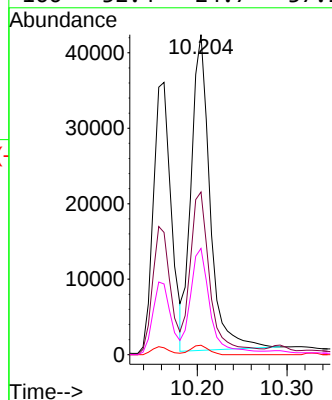
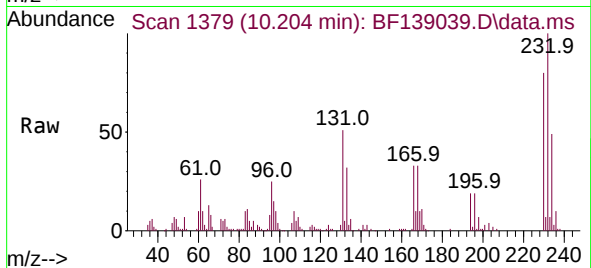




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 48.145 ng  
RT: 10.204 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

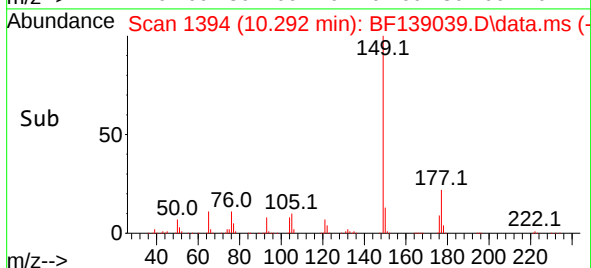
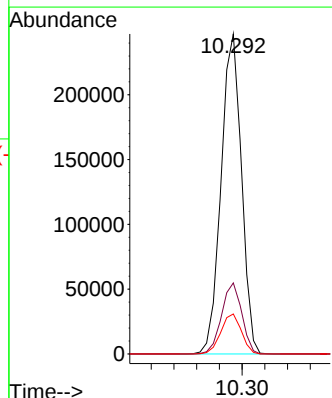
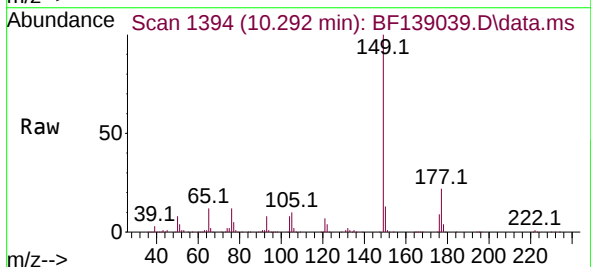
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

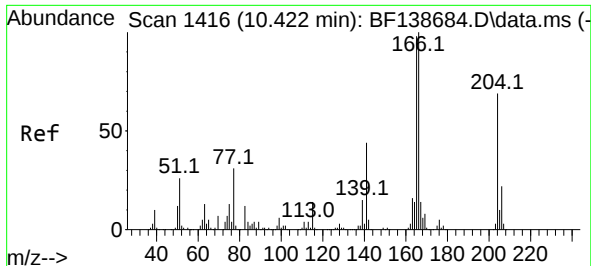
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 60859     |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 53.0  | 37.0 55.4 |
| 130         | 2.9   | 2.0 3.0   |
| 166         | 32.4  | 24.7 37.1 |



#60  
Diethylphthalate  
Concen: 56.892 ng  
RT: 10.292 min Scan# 1394  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 308006    |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 22.2  | 17.8 26.8 |
| 150         | 12.5  | 10.1 15.1 |

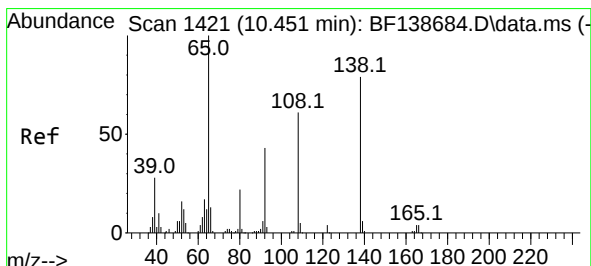
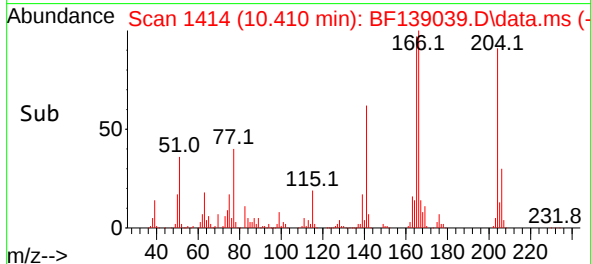
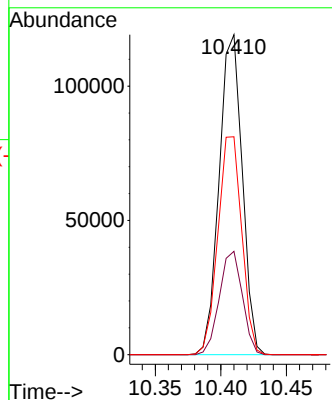
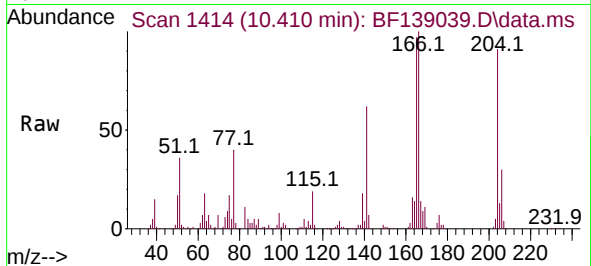




#61  
4-Chlorophenyl-phenylether  
Concen: 53.246 ng  
RT: 10.410 min Scan# 1416  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

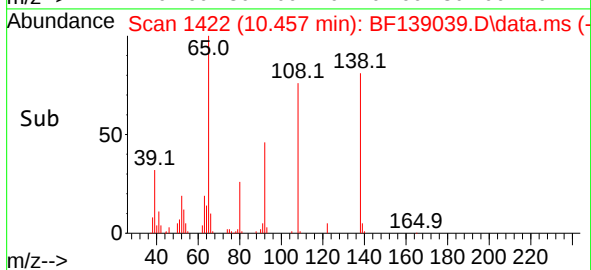
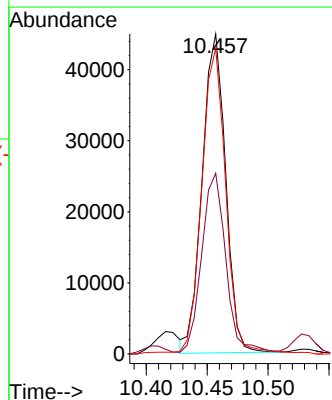
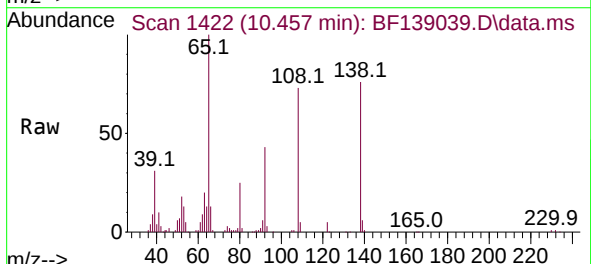
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

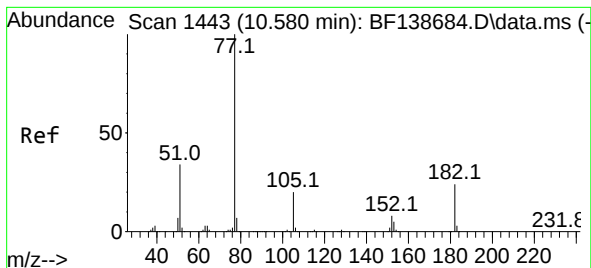
Tgt Ion:204 Resp: 145982  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.1 39.1  
141 68.1 51.4 77.0



#62  
4-Nitroaniline  
Concen: 47.460 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:138 Resp: 60082  
Ion Ratio Lower Upper  
138 100  
92 56.4 34.2 74.2  
108 95.6 56.2 96.2





#63

Azobenzene

Concen: 53.840 ng

RT: 10.569 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

Tgt Ion: 77 Resp: 323287

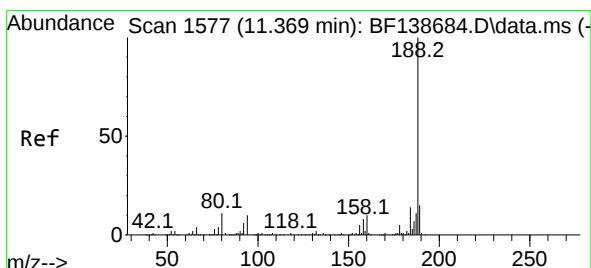
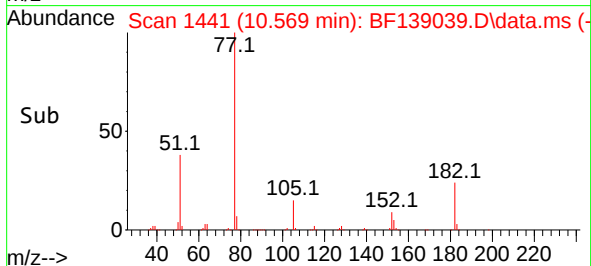
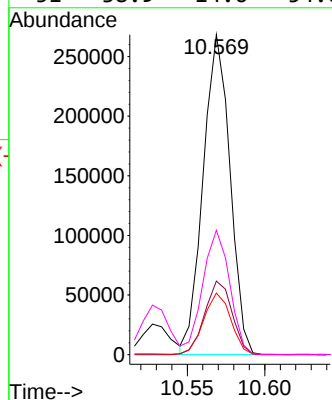
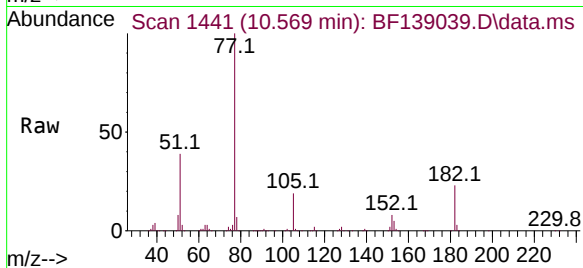
Ion Ratio Lower Upper

77 100

182 23.0 3.4 43.4

105 19.3 0.2 40.2

51 38.9 14.6 54.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

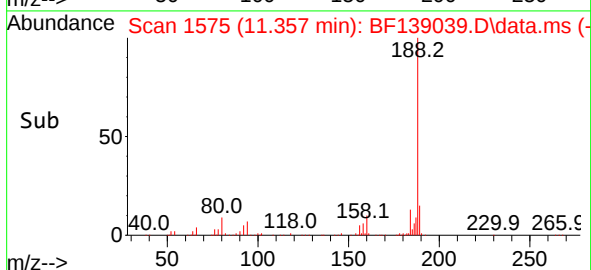
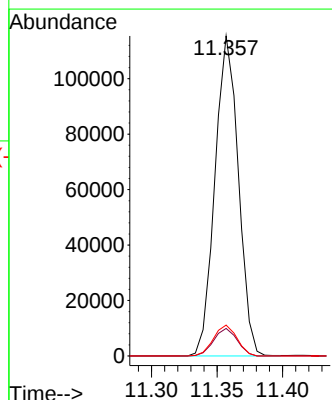
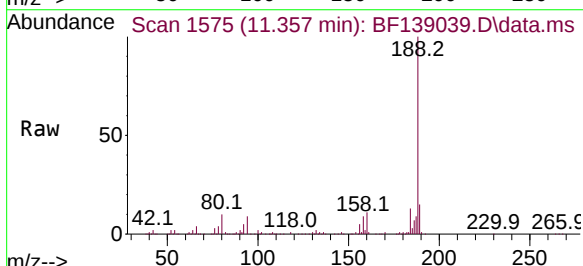
Tgt Ion:188 Resp: 143290

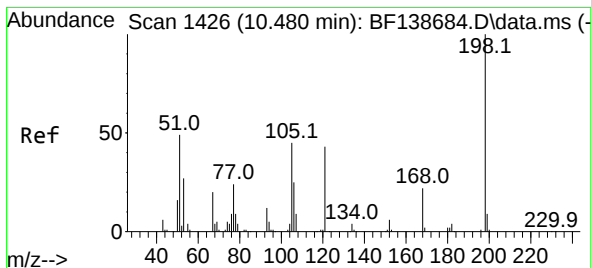
Ion Ratio Lower Upper

188 100

94 8.6 7.6 11.4

80 9.6 8.6 12.8

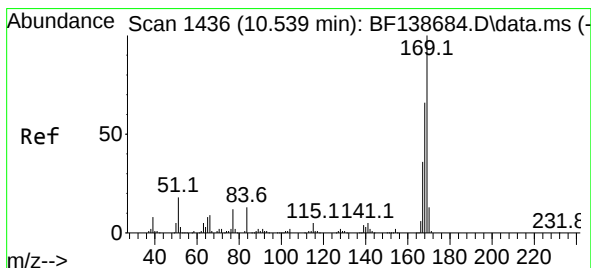
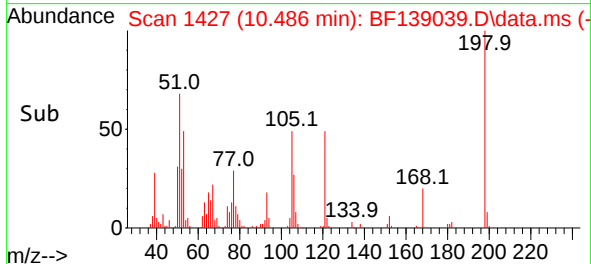
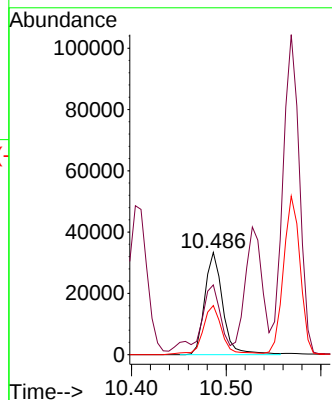
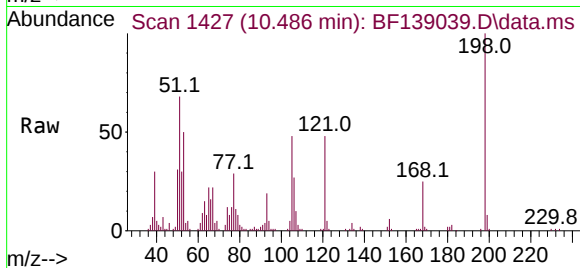




#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.322 ng  
RT: 10.486 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

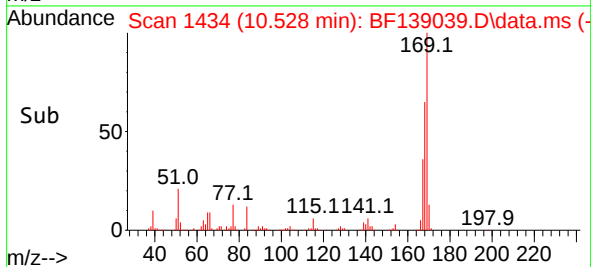
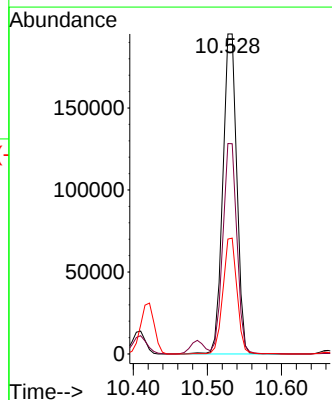
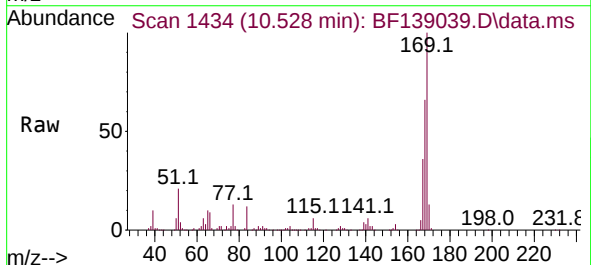
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

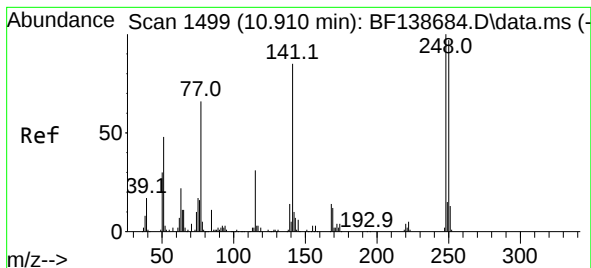
Tgt Ion:198 Resp: 43991  
Ion Ratio Lower Upper  
198 100  
51 68.2 39.9 79.9  
105 48.1 26.1 66.1



#66  
n-Nitrosodiphenylamine  
Concen: 57.047 ng  
RT: 10.528 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:169 Resp: 255508  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.0 79.6  
167 35.9 29.0 43.6

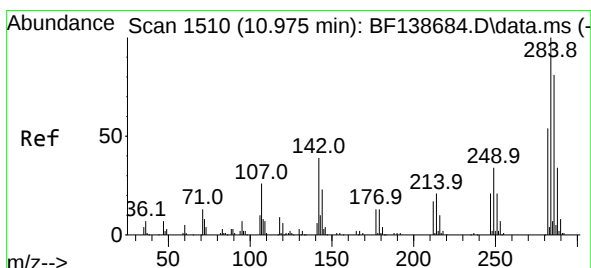
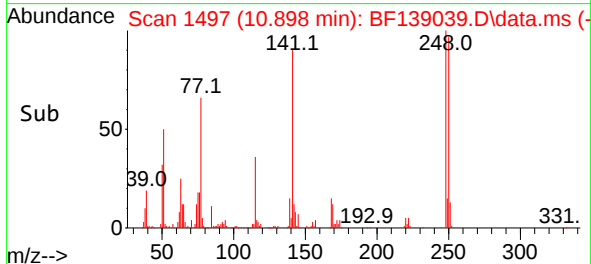
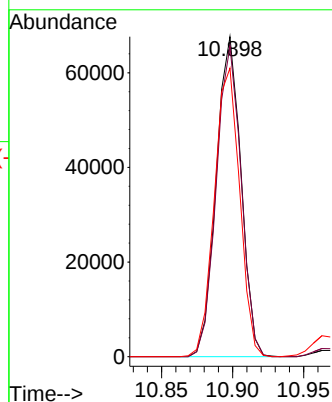
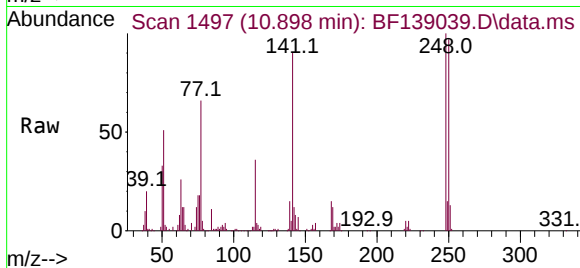




#67  
4-Bromophenyl-phenylether  
Concen: 52.867 ng  
RT: 10.898 min Scan# 1499  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

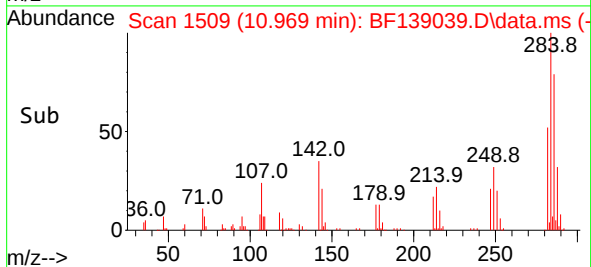
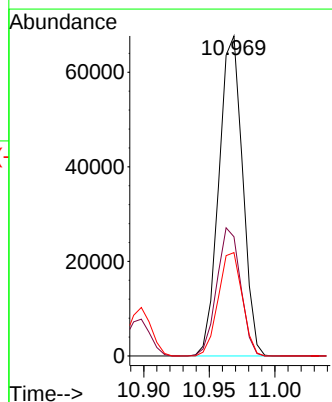
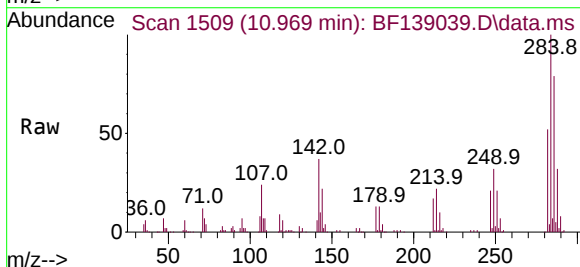
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

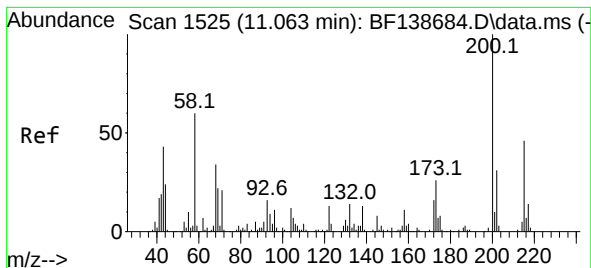
Tgt Ion:248 Resp: 82017  
Ion Ratio Lower Upper  
248 100  
250 97.1 77.7 116.5  
141 90.1 68.0 102.0



#68  
Hexachlorobenzene  
Concen: 53.132 ng  
RT: 10.969 min Scan# 1509  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:284 Resp: 85108  
Ion Ratio Lower Upper  
284 100  
142 37.2 31.3 46.9  
249 32.3 27.2 40.8





#69

Atrazine

Concen: 71.907 ng

RT: 11.057 min Scan# 1524

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

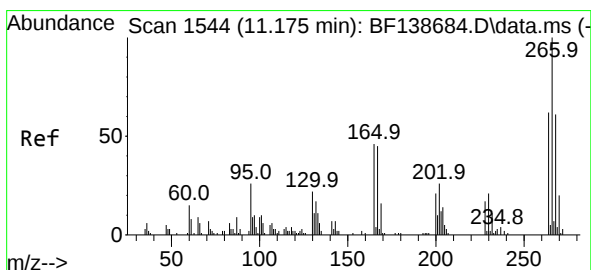
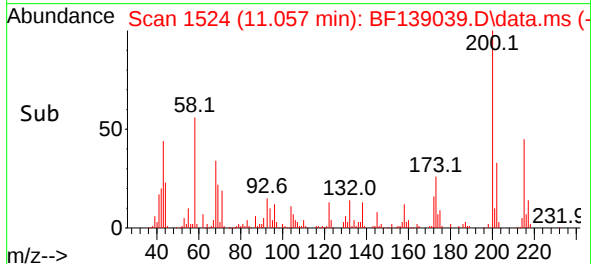
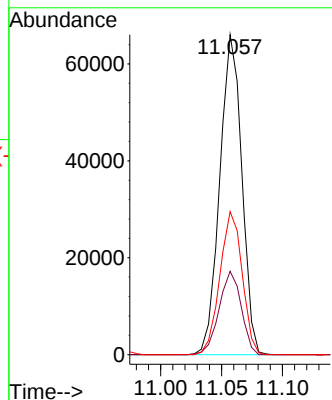
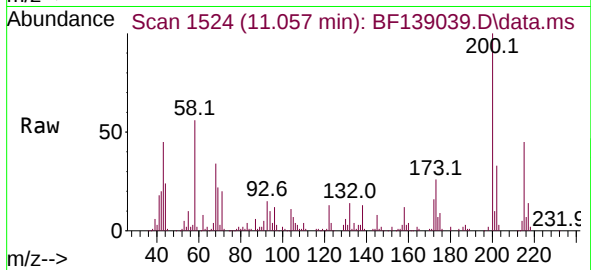
Tgt Ion:200 Resp: 83094

Ion Ratio Lower Upper

200 100

173 26.1 6.0 46.0

215 44.7 26.1 66.1



#70

Pentachlorophenol

Concen: 70.267 ng

RT: 11.175 min Scan# 1544

Delta R.T. -0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

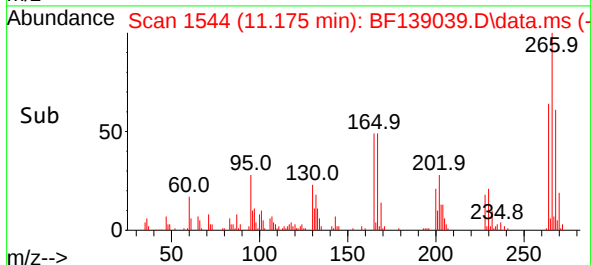
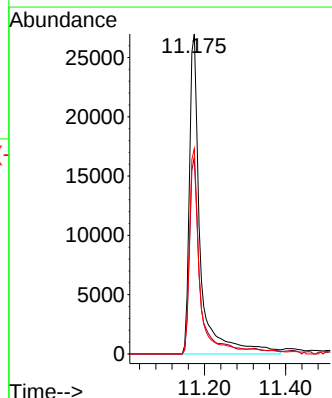
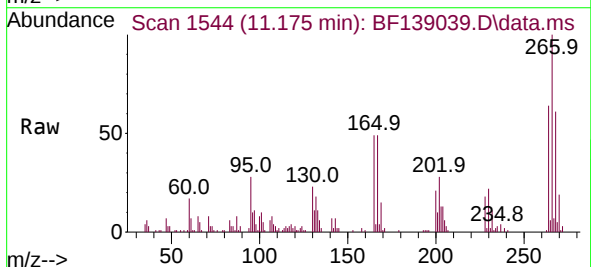
Tgt Ion:266 Resp: 50733

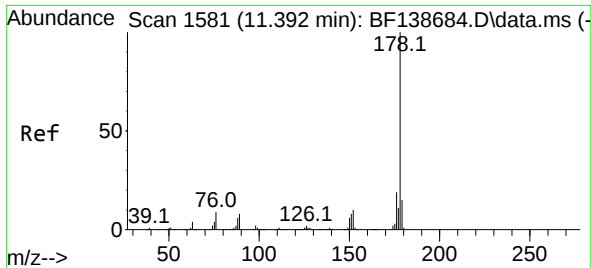
Ion Ratio Lower Upper

266 100

268 61.3 49.2 73.8

264 64.2 49.8 74.6

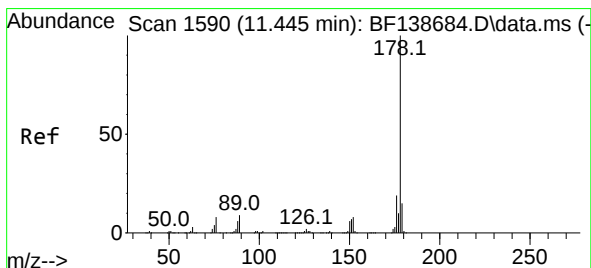
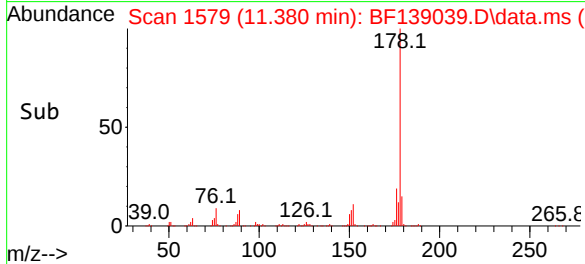
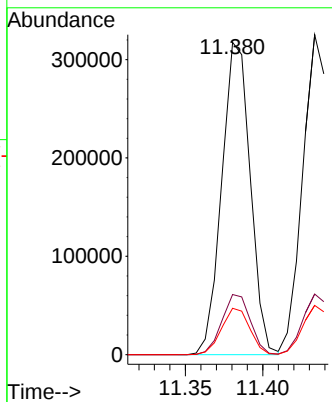
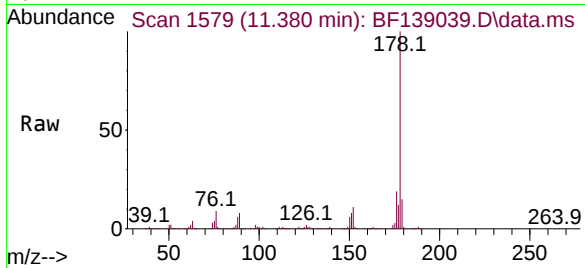




#71  
Phenanthrene  
Concen: 55.115 ng  
RT: 11.380 min Scan# 1581  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

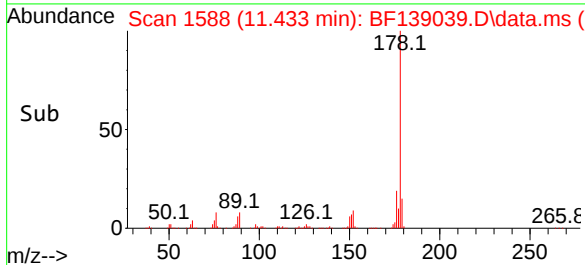
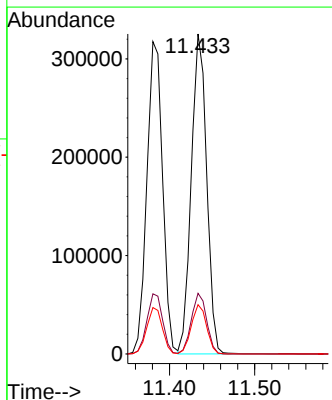
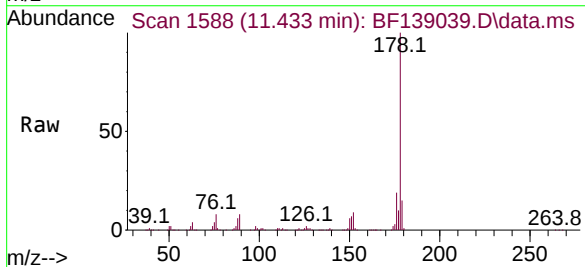
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

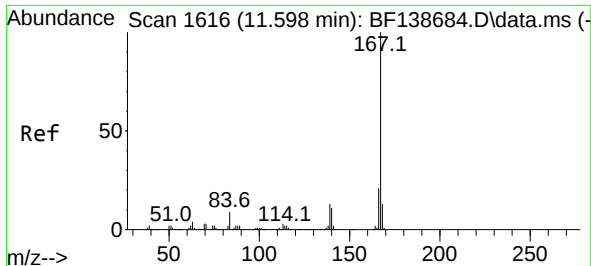
Tgt Ion:178 Resp: 406658  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.4 23.0  
179 14.9 12.2 18.2



#72  
Anthracene  
Concen: 56.038 ng  
RT: 11.433 min Scan# 1588  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:178 Resp: 407318  
Ion Ratio Lower Upper  
178 100  
176 18.9 14.9 22.3  
179 15.4 12.4 18.6

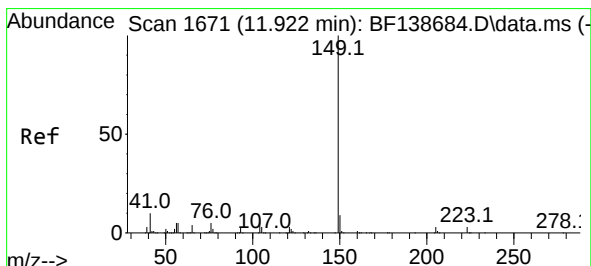
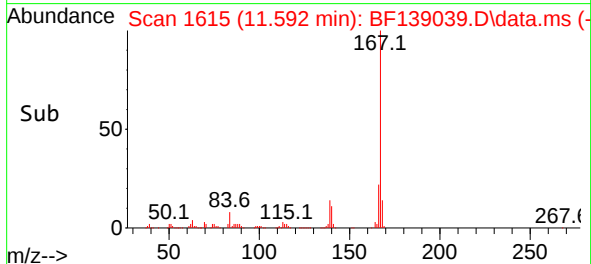
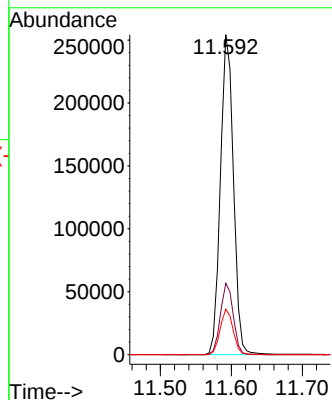
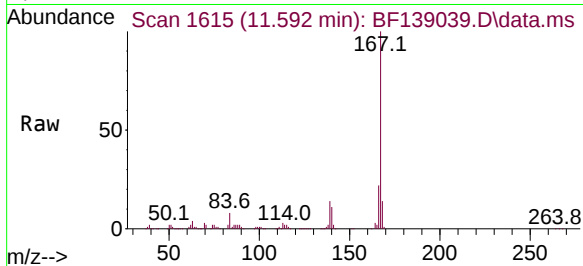




#73  
Carbazole  
Concen: 51.560 ng  
RT: 11.592 min Scan# 1615  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

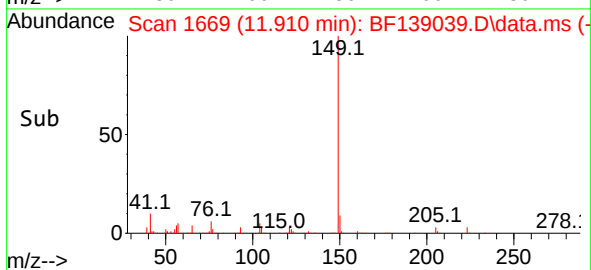
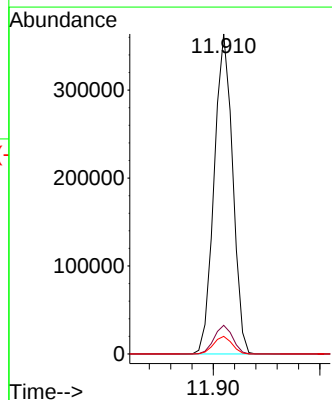
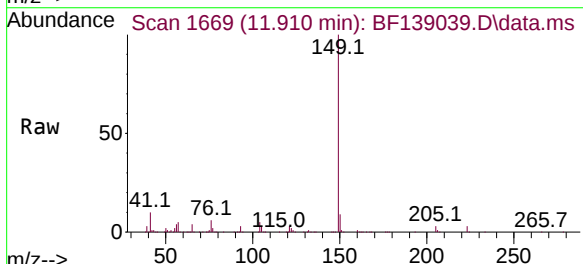
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

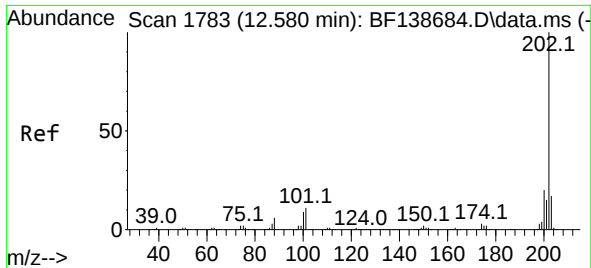
Tgt Ion:167 Resp: 323331  
Ion Ratio Lower Upper  
167 100  
166 22.3 17.2 25.8  
139 14.2 10.6 16.0



#74  
Di-n-butylphthalate  
Concen: 62.049 ng  
RT: 11.910 min Scan# 1669  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:149 Resp: 437421  
Ion Ratio Lower Upper  
149 100  
150 9.0 7.4 11.0  
104 5.5 4.1 6.1

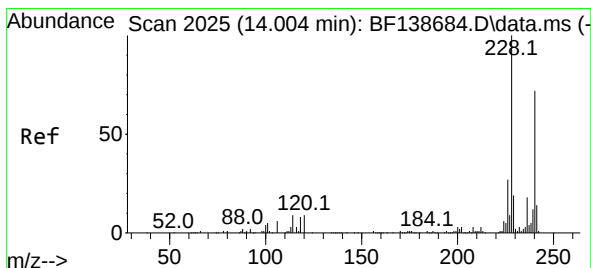
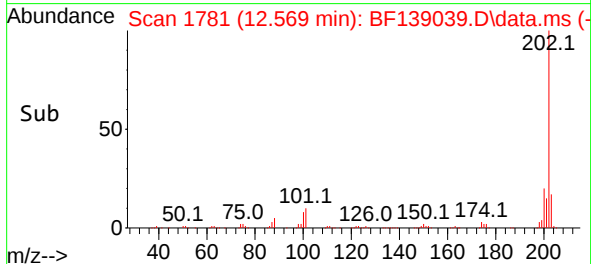
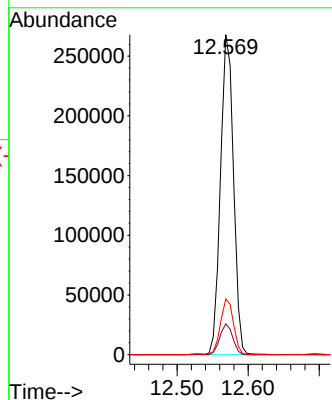
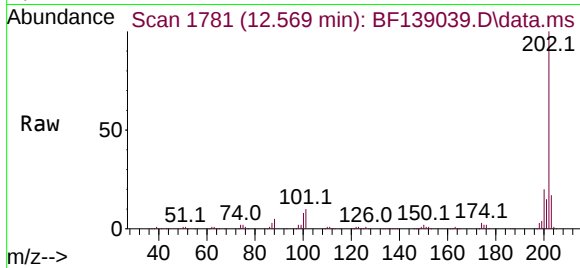




#75  
Fluoranthene  
Concen: 49.320 ng  
RT: 12.569 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

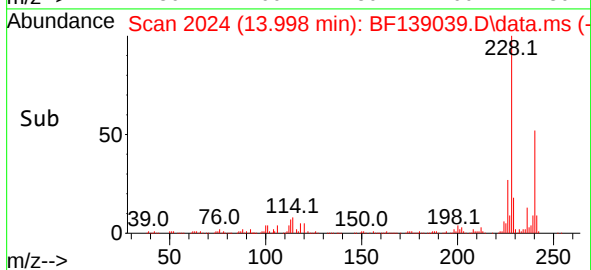
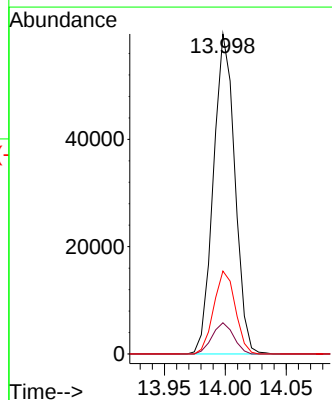
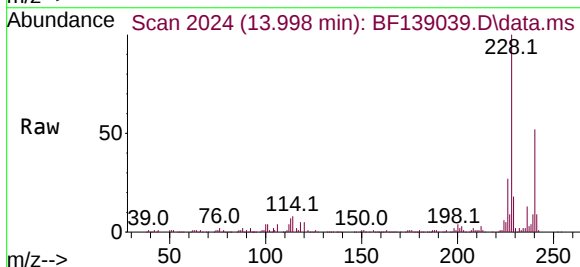
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

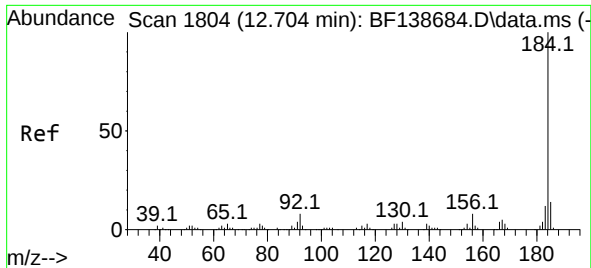
Tgt Ion:202 Resp: 339723  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 31.2  
203 17.4 0.0 37.3



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:240 Resp: 73082  
Ion Ratio Lower Upper  
240 100  
120 9.8 10.2 15.4#  
236 25.9 19.8 29.8

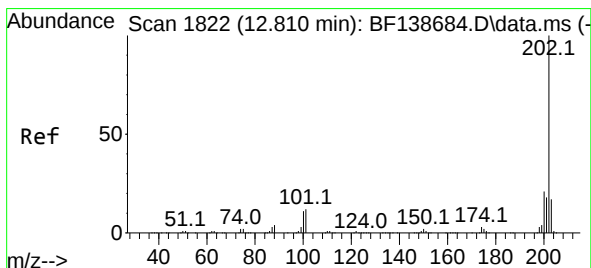
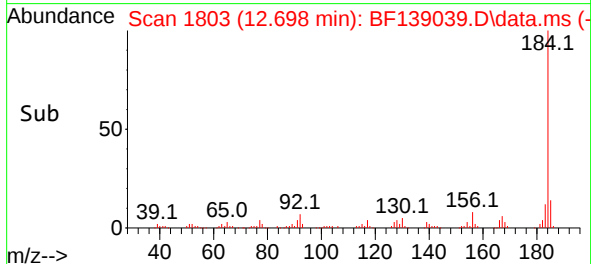
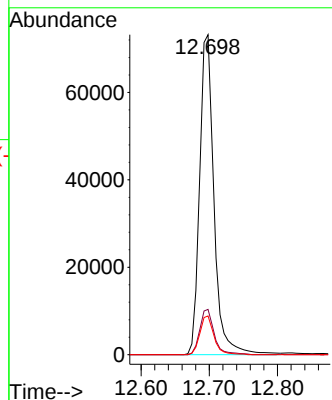
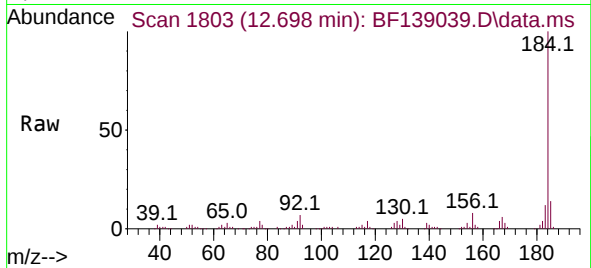




#77  
Benzidine  
Concen: 61.359 ng  
RT: 12.698 min Scan# 1803  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

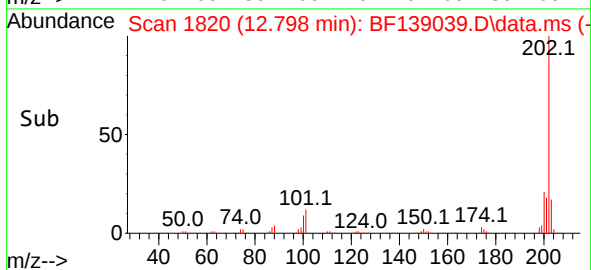
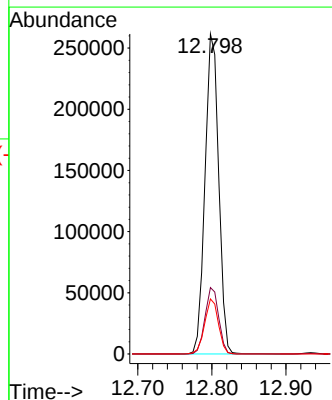
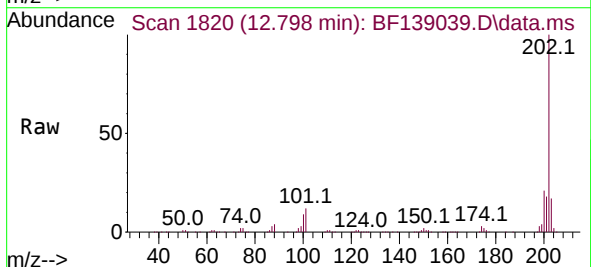
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:184 Resp: 107255  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.1 16.7  
183 12.1 9.6 14.4



#78  
Pyrene  
Concen: 48.706 ng  
RT: 12.798 min Scan# 1820  
Delta R.T. -0.012 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:202 Resp: 335144  
Ion Ratio Lower Upper  
202 100  
200 20.8 16.8 25.2  
203 17.2 13.8 20.6





#79

Terphenyl-d14

Concen: 67.858 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

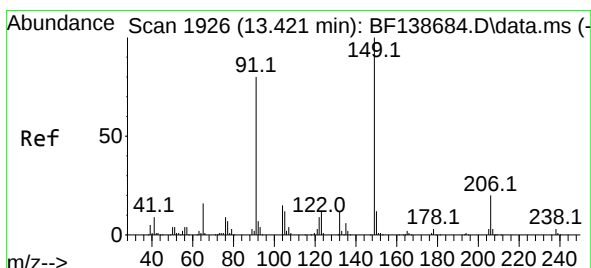
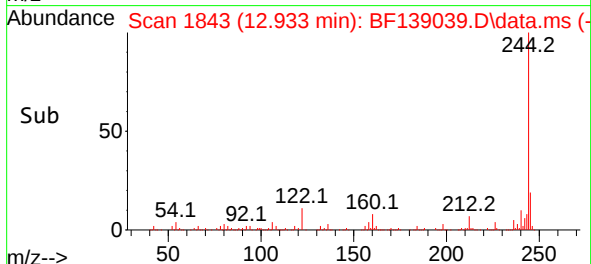
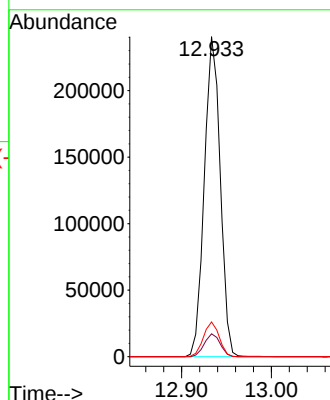
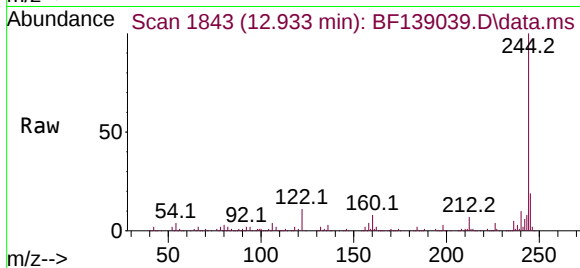
Tgt Ion:244 Resp: 296202

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 10.9 9.6 14.4



#80

Butylbenzylphthalate

Concen: 60.730 ng

RT: 13.410 min Scan# 1924

Delta R.T. -0.012 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

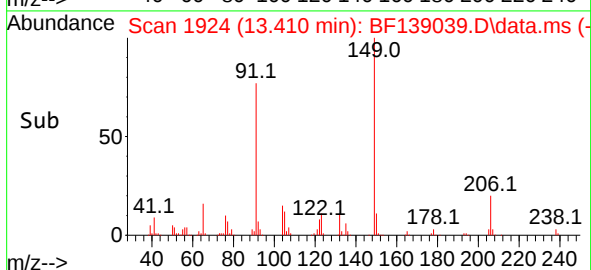
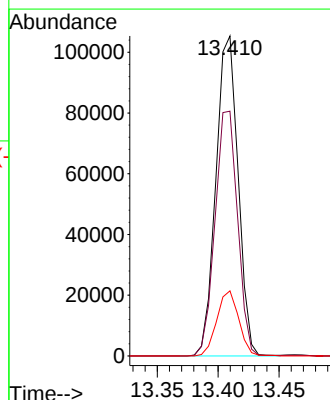
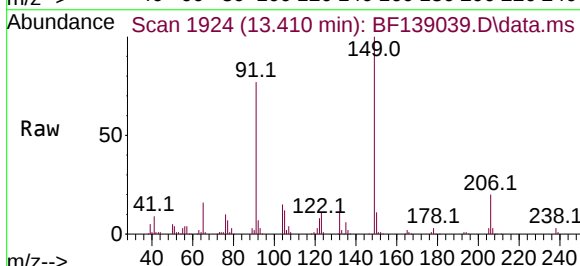
Tgt Ion:149 Resp: 133815

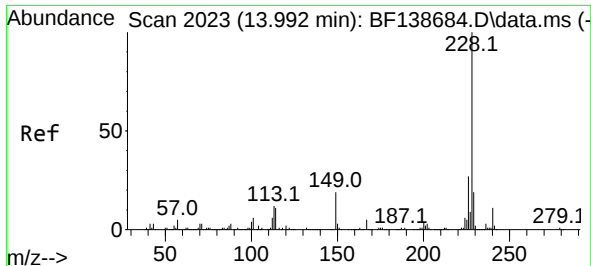
Ion Ratio Lower Upper

149 100

91 76.5 63.7 95.5

206 20.4 16.2 24.2

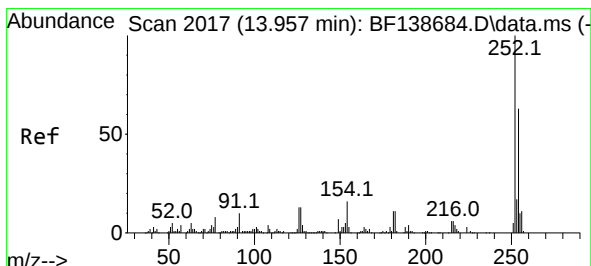
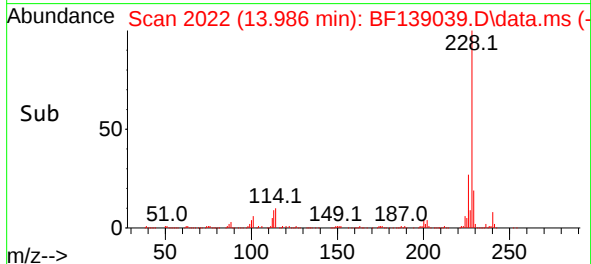
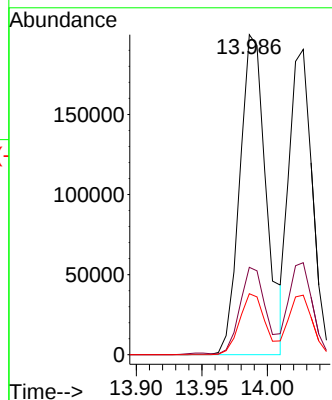
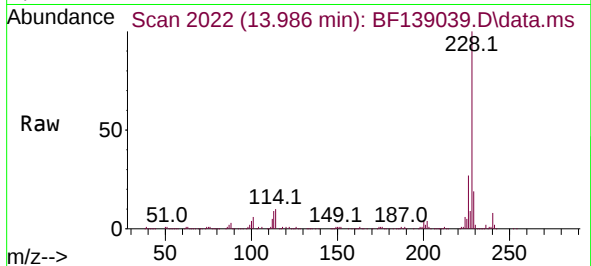




#81  
Benzo(a)anthracene  
Concen: 55.578 ng  
RT: 13.986 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

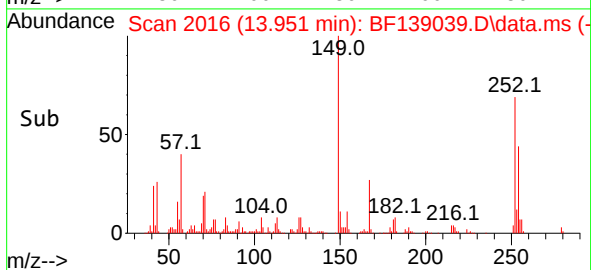
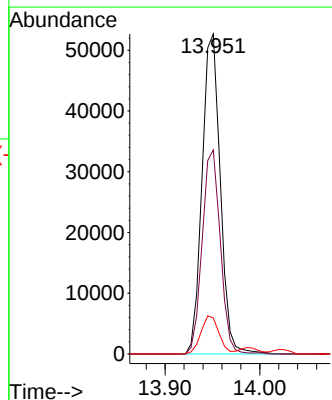
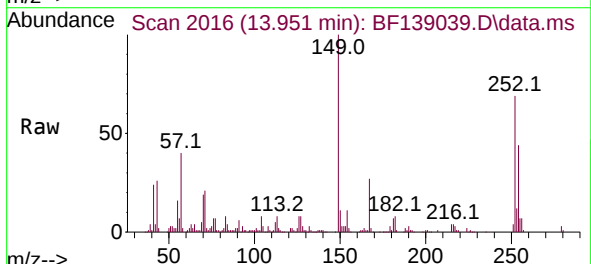
Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

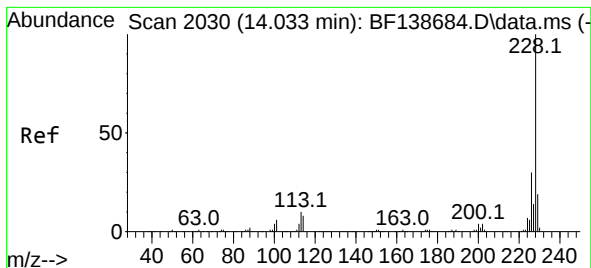
Tgt Ion:228 Resp: 279699  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.1 33.1  
229 19.1 15.4 23.0



#82  
3,3'-Dichlorobenzidine  
Concen: 54.485 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:252 Resp: 70169  
Ion Ratio Lower Upper  
252 100  
254 63.7 50.8 76.2  
126 11.3 10.2 15.2





#83

Chrysene

Concen: 50.955 ng

RT: 14.027 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

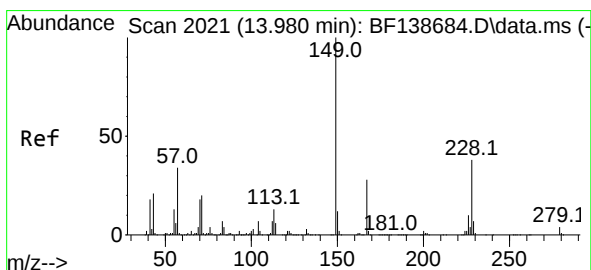
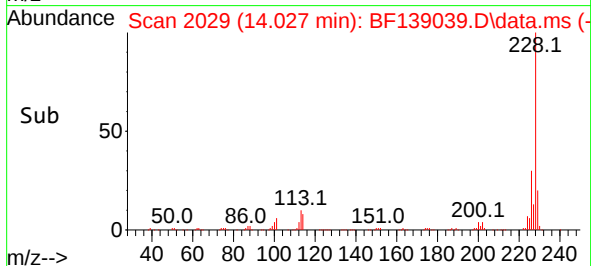
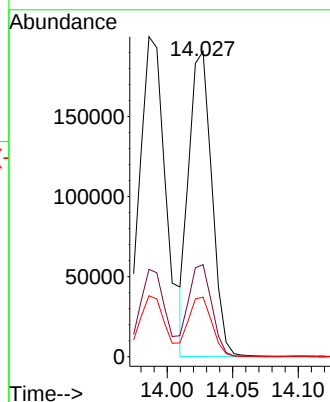
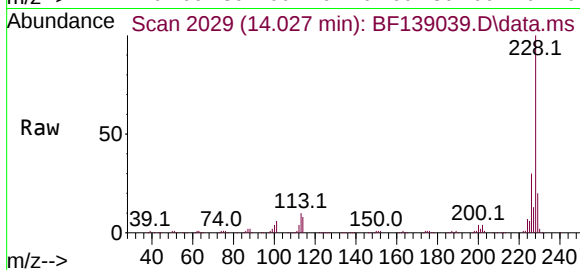
Tgt Ion:228 Resp: 231355

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 19.5 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.085 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.018 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

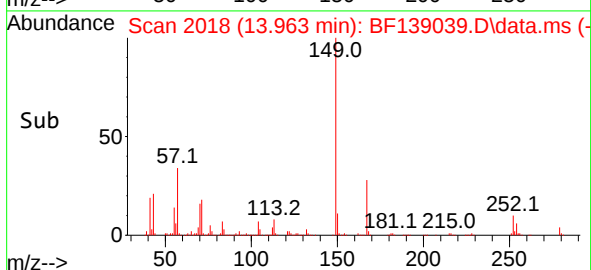
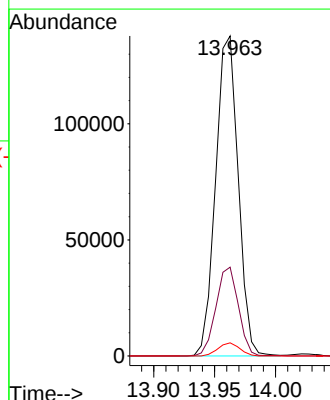
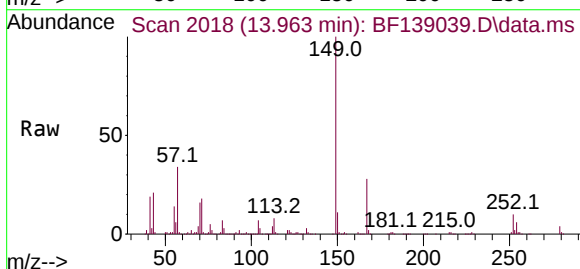
Tgt Ion:149 Resp: 177738

Ion Ratio Lower Upper

149 100

167 27.7 22.2 33.4

279 4.1 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 50.591 ng

RT: 14.568 min Scan# 2121

Delta R.T. -0.023 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

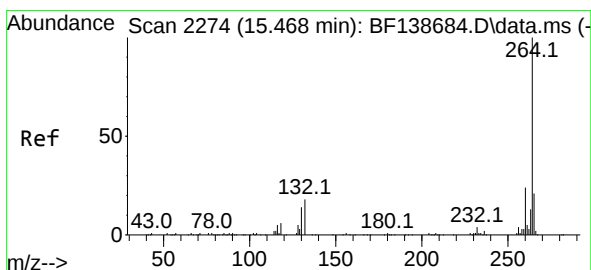
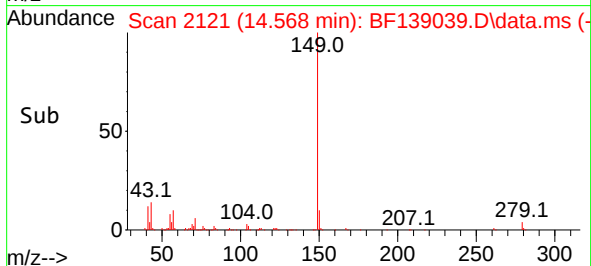
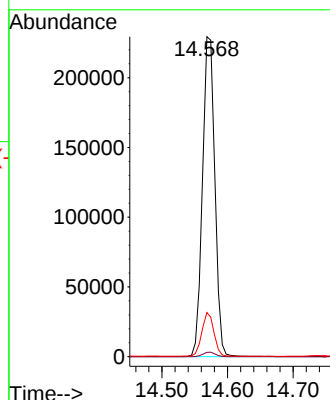
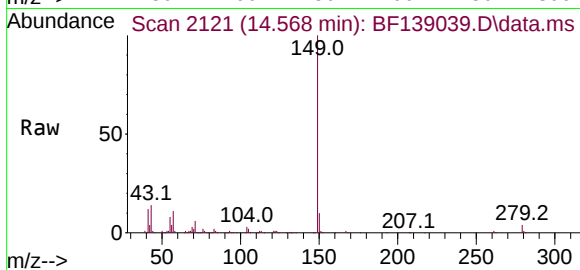
Tgt Ion:149 Resp: 302017

Ion Ratio Lower Upper

149 100

167 1.4 1.4 2.0

43 13.3 10.4 15.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

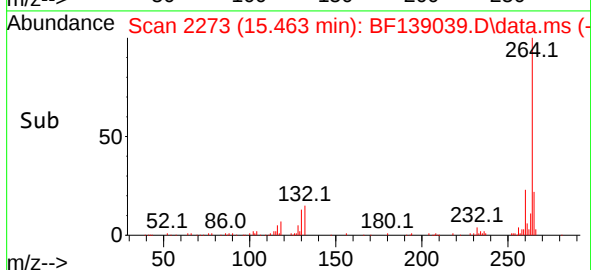
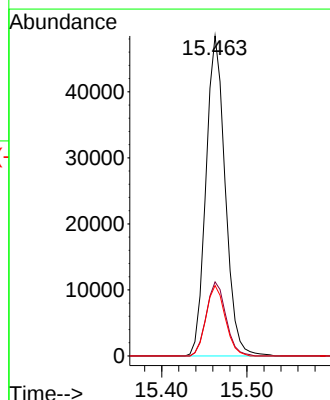
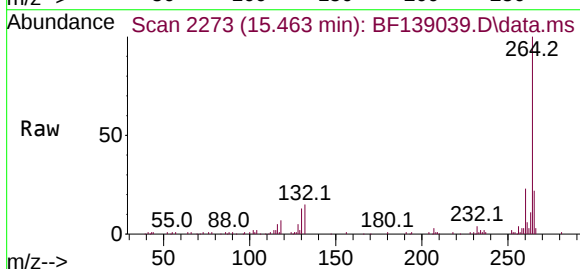
Tgt Ion:264 Resp: 76023

Ion Ratio Lower Upper

264 100

260 23.2 19.0 28.6

265 22.0 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 35.847 ng

RT: 16.939 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

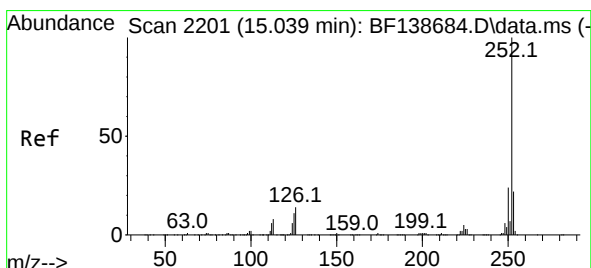
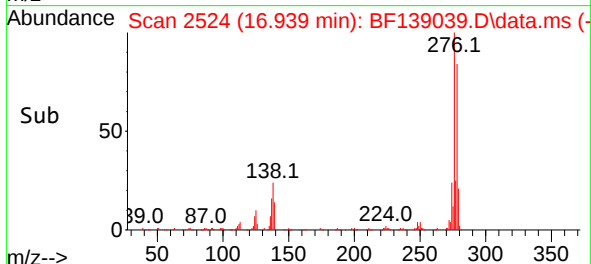
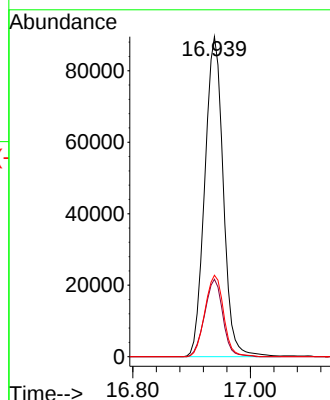
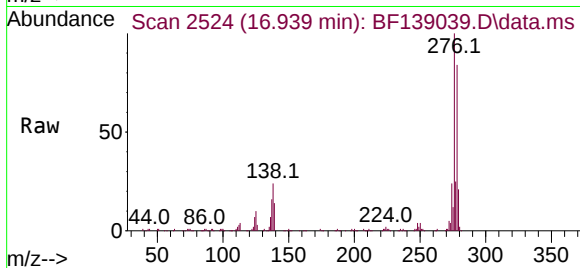
Tgt Ion:276 Resp: 195298

Ion Ratio Lower Upper

276 100

138 23.8 21.8 32.8

277 25.7 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 56.411 ng

RT: 15.039 min Scan# 2201

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

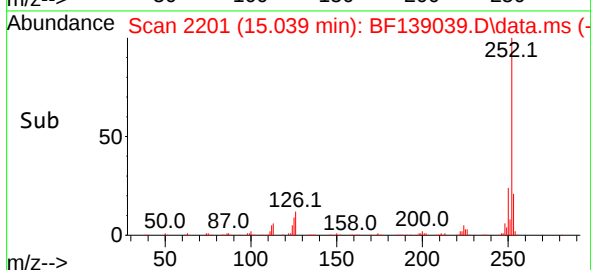
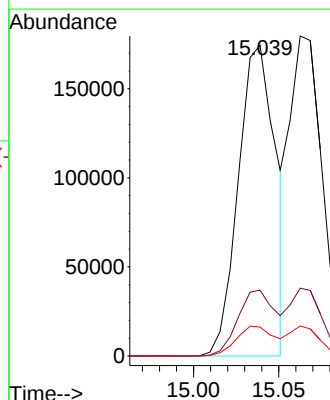
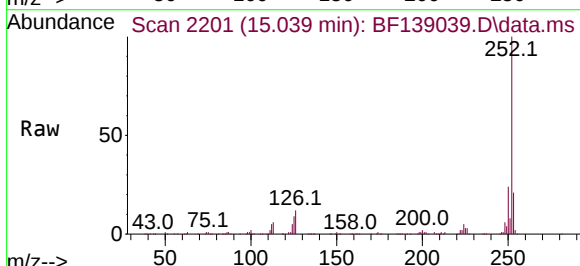
Tgt Ion:252 Resp: 265847

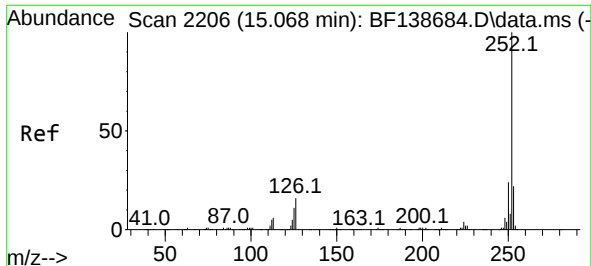
Ion Ratio Lower Upper

252 100

253 21.2 17.5 26.3

125 9.3 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 59.286 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

Instrument :

BNA\_F

ClientSampleId :

S-856-J-SO-1-1.5-080924MSD

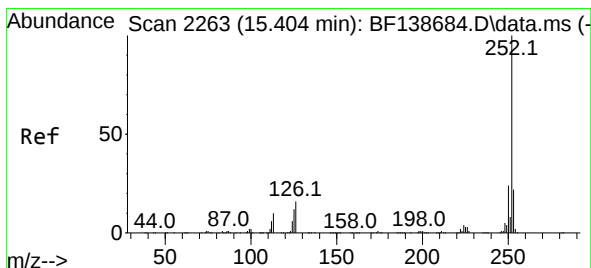
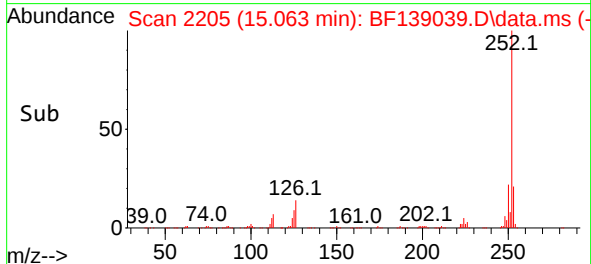
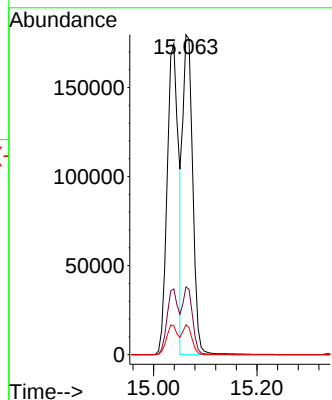
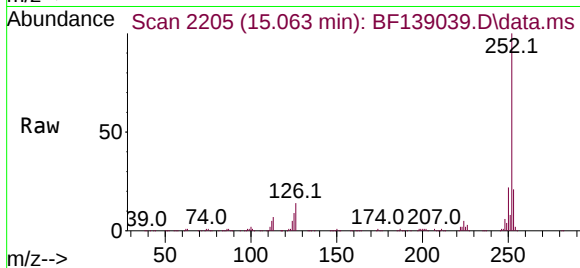
Tgt Ion:252 Resp: 241905

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 9.4 8.6 13.0



#90

Benzo(a)pyrene

Concen: 58.814 ng

RT: 15.404 min Scan# 2263

Delta R.T. 0.000 min

Lab File: BF139039.D

Acq: 15 Aug 2024 23:47

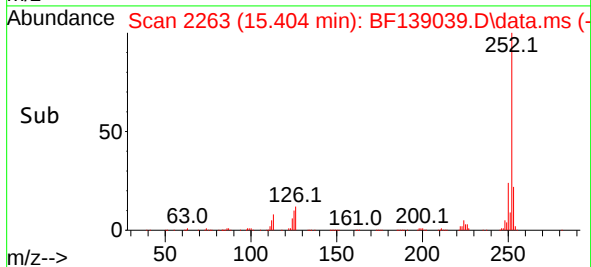
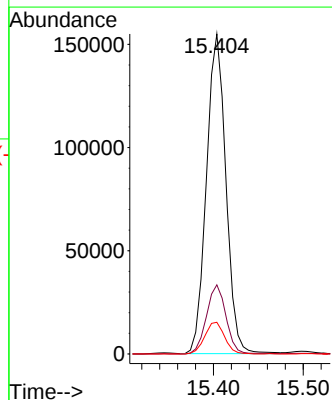
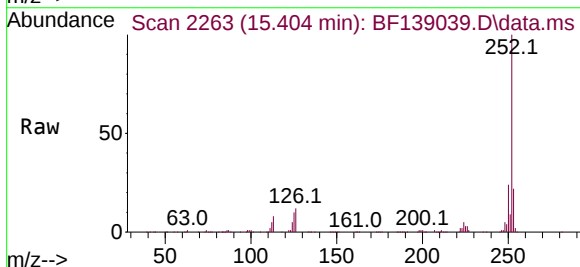
Tgt Ion:252 Resp: 233141

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 9.9 9.5 14.3

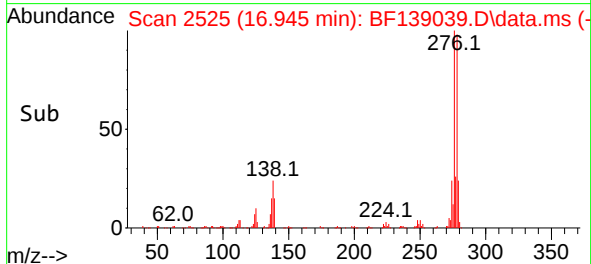
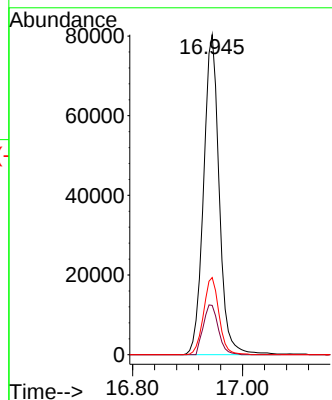
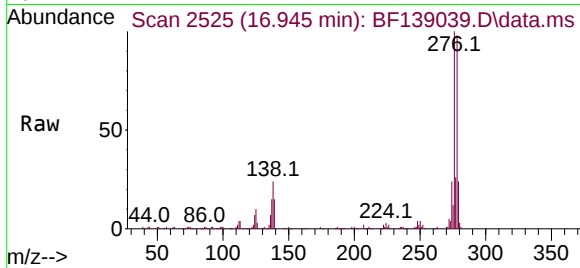




#91  
Dibenzo(a,h)anthracene  
Concen: 35.442 ng  
RT: 16.945 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Instrument :  
BNA\_F  
ClientSampleId :  
S-856-J-SO-1-1.5-080924MSD

Tgt Ion:278 Resp: 158502  
Ion Ratio Lower Upper  
278 100  
139 15.4 14.0 21.0  
279 24.1 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 29.902 ng  
RT: 17.380 min Scan# 2599  
Delta R.T. 0.000 min  
Lab File: BF139039.D  
Acq: 15 Aug 2024 23:47

Tgt Ion:276 Resp: 138769  
Ion Ratio Lower Upper  
276 100  
277 23.2 19.0 28.4  
138 19.5 18.5 27.7

