

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092424\  
 Data File : BF139524.D  
 Acq On : 24 Sep 2024 17:07  
 Operator : RC/JU  
 Sample : P4149-15MSD  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-8MSD

Quant Time: Sep 24 17:29:27 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 53487    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 203421   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.916  | 164  | 115511   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 223761   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.039 | 240  | 129176   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.504 | 264  | 124848   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.493  | 112  | 251183   | 76.610  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.504  | 99   | 343430   | 79.802  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 227183   | 52.503  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 87721    | 71.332  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 429213   | 52.114  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 442766   | 56.261  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.628  | 88   | 55415    | 42.127  | ng    | 96       |
| 3) Pyridine                   | 3.381  | 79   | 144988   | 49.992  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.334  | 42   | 100672   | 40.048  | ng    | # 82     |
| 6) Aniline                    | 6.540  | 93   | 155671   | 47.933  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.663  | 128  | 158120   | 46.850  | ng    | 98       |
| 9) Benzaldehyde               | 6.422  | 77   | 24008    | 9.656   | ng    | 99       |
| 10) Phenol                    | 6.522  | 94   | 211696   | 48.298  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 150782   | 45.261  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 164365   | 42.822  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 169661   | 43.741  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 158110   | 43.139  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 146075   | 42.545  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 274926   | 53.549  | ng    | 91       |
| 17) 2-Methylphenol            | 7.128  | 107  | 128015   | 47.740  | ng    | 97       |
| 18) Hexachloroethane          | 7.387  | 117  | 61574    | 41.678  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 118855   | 46.606  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 164816   | 45.052  | ng    | # 84     |
| 22) Acetophenone              | 7.281  | 105  | 222474   | 41.834  | ng    | 99       |
| 24) Nitrobenzene              | 7.457  | 77   | 183711   | 41.251  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 322344   | 47.104  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.775  | 139  | 83641    | 48.207  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 124086   | 54.217  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 183279   | 46.993  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 134156   | 46.141  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 138858   | 40.989  | ng    | 99       |
| 31) Naphthalene               | 8.181  | 128  | 473219   | 44.560  | ng    | 100      |
| 32) Benzoic acid              | 7.892  | 122  | 40217    | 18.777  | ng    | 90       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 42631    | 13.122  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 90946    | 39.515  | ng    | 99       |
| 35) Caprolactam               | 8.586  | 113  | 33468    | 37.420  | ng    | 95       |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 152212   | 45.808  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 317423   | 47.090  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 292429   | 44.188  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 147246   | 43.012  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.022  | 237  | 138509   | 115.878 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 100916   | 45.310  | ng    | 99       |

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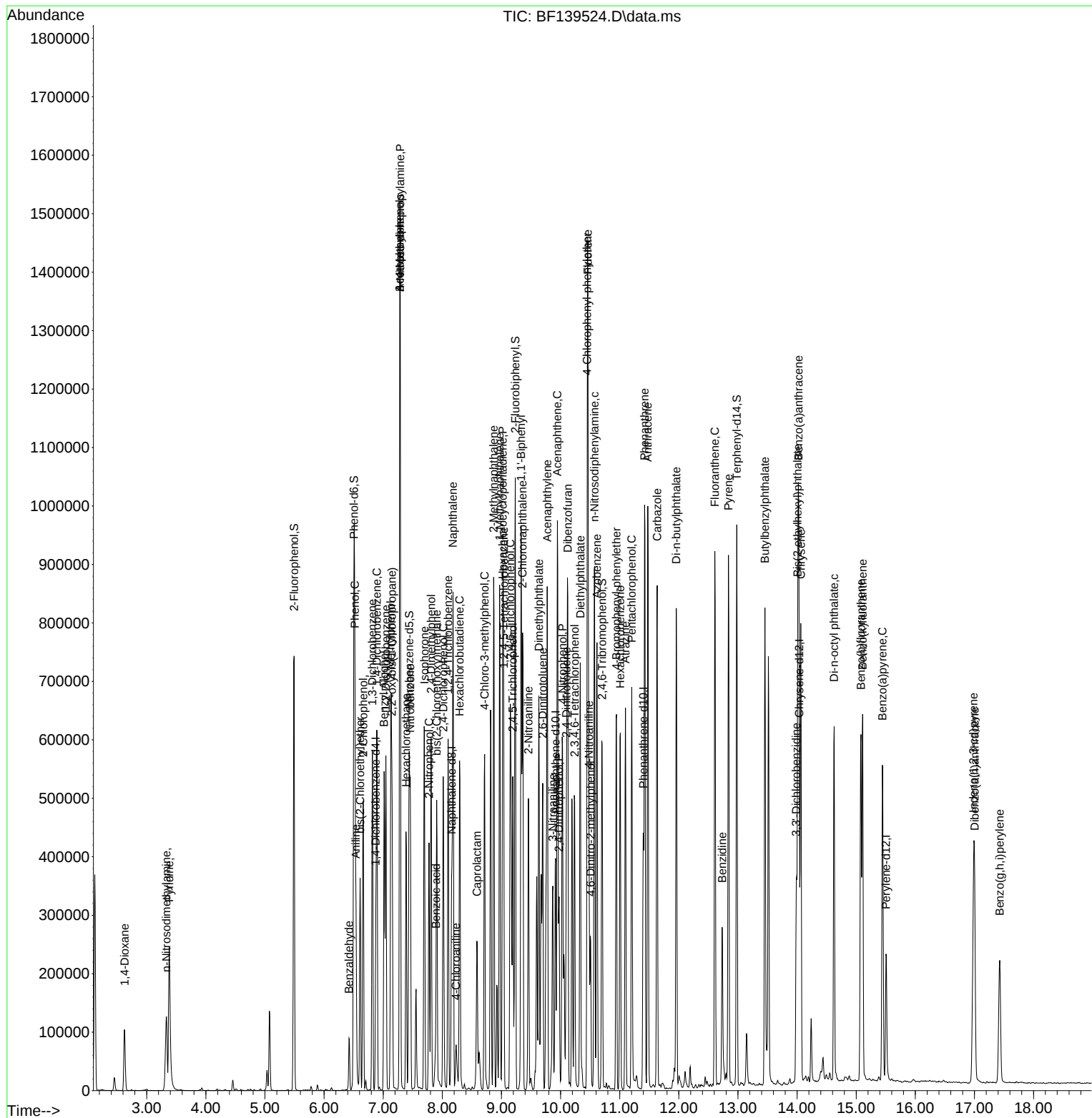
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-8MSD

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 14 02:58:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 101617   | 43.253 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 392679   | 44.188 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 289261   | 43.534 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 116057   | 46.960 | ng    | 98       |
| 49) Acenaphthylene            | 9.775  | 152  | 489449   | 48.936 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 351581   | 46.374 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 76803    | 45.729 | ng    | 94       |
| 52) Acenaphthene              | 9.945  | 154  | 325382   | 46.612 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 65952    | 39.292 | ng    | 91       |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 54746    | 58.497 | ng #  | 84       |
| 55) Dibenzofuran              | 10.122 | 168  | 456181   | 46.886 | ng    | 94       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 125811   | 90.585 | ng #  | 80       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 110333   | 48.658 | ng    | 96       |
| 58) Fluorene                  | 10.463 | 166  | 355017   | 44.721 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 86250    | 44.380 | ng    | 95       |
| 60) Diethylphthalate          | 10.333 | 149  | 360371   | 46.061 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 170767   | 44.263 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.480 | 138  | 87006    | 47.495 | ng    | 87       |
| 63) Azobenzene                | 10.616 | 77   | 382769   | 49.742 | ng    | 92       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 42291    | 35.810 | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 308980   | 47.230 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 100826   | 45.470 | ng    | 97       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 112169   | 43.102 | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 99061    | 63.605 | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 104023   | 66.615 | ng    | 99       |
| 71) Phenanthrene              | 11.422 | 178  | 530221   | 49.115 | ng    | 100      |
| 72) Anthracene                | 11.475 | 178  | 524710   | 49.712 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 476590   | 47.177 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 548349   | 48.727 | ng    | 99       |
| 75) Fluoranthene              | 12.610 | 202  | 524839   | 45.524 | ng    | 98       |
| 77) Benzidine                 | 12.733 | 184  | 157879   | 85.307 | ng    | 99       |
| 78) Pyrene                    | 12.839 | 202  | 525997   | 47.423 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 186761   | 49.469 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 406851   | 47.548 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 99259    | 39.612 | ng    | 98       |
| 83) Chrysene                  | 14.063 | 228  | 371973   | 47.252 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 236641   | 49.272 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.627 | 149  | 386182   | 54.600 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 276388   | 37.230 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 371759   | 48.281 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.110 | 252  | 341724   | 48.134 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 328112   | 51.381 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.004 | 278  | 227286   | 37.050 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 191446   | 31.519 | ng #  | 96       |

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

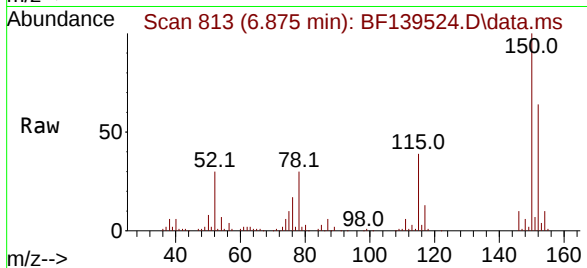
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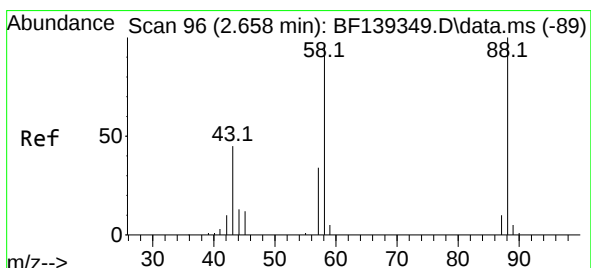
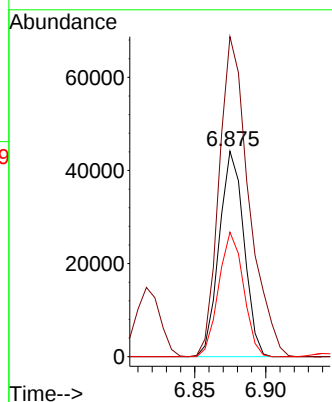
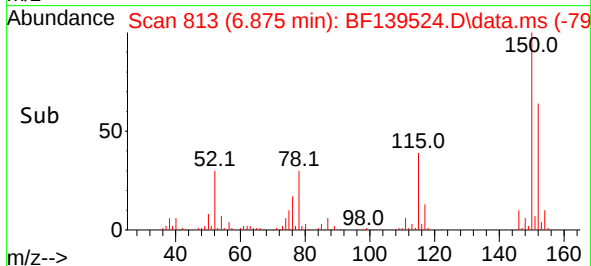


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.875 min Scan# 81  
 Delta R.T. -0.006 min  
 Lab File: BF139524.D  
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 COMP-8MSD

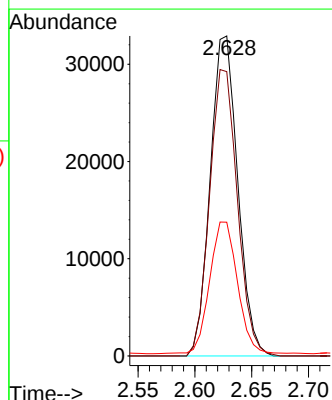
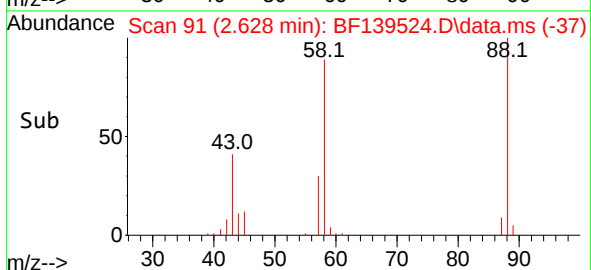
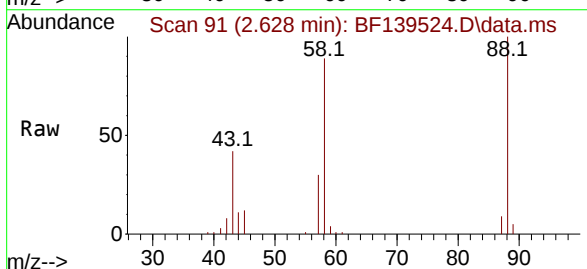


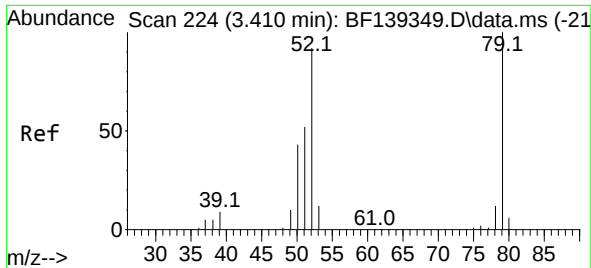
Tgt Ion:152 Resp: 53487  
 Ion Ratio Lower Upper  
 152 100  
 150 155.8 124.1 186.1  
 115 60.6 48.1 72.1



#2  
 1,4-Dioxane  
 Concen: 42.127 ng  
 RT: 2.628 min Scan# 91  
 Delta R.T. -0.030 min  
 Lab File: BF139524.D  
 Acq: 24 Sep 2024 17:07

Tgt Ion: 88 Resp: 55415  
 Ion Ratio Lower Upper  
 88 100  
 58 90.6 74.8 112.2  
 43 41.7 36.4 54.6





#3

Pyridine

Concen: 49.992 ng

RT: 3.381 min Scan# 211

Delta R.T. -0.030 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

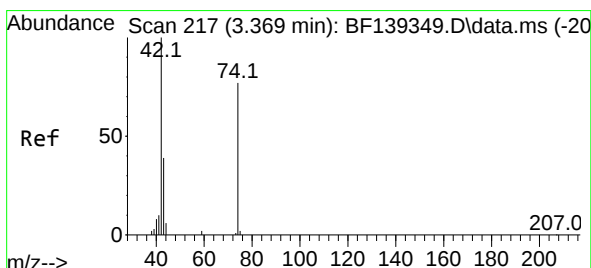
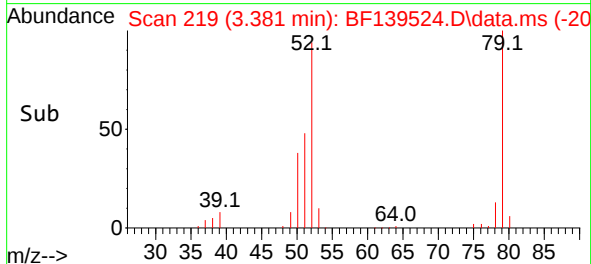
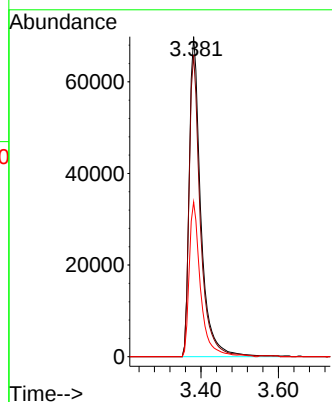
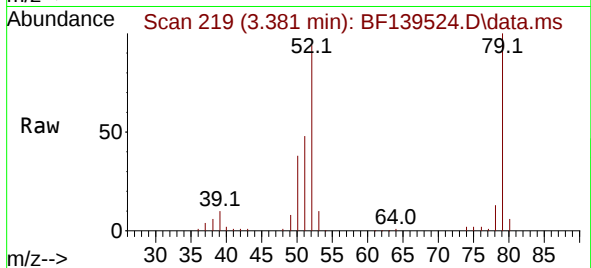
Tgt Ion: 79 Resp: 144988

Ion Ratio Lower Upper

79 100

52 94.3 73.8 110.8

51 48.3 41.8 62.6



#4

n-Nitrosodimethylamine

Concen: 40.048 ng

RT: 3.334 min Scan# 211

Delta R.T. -0.035 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

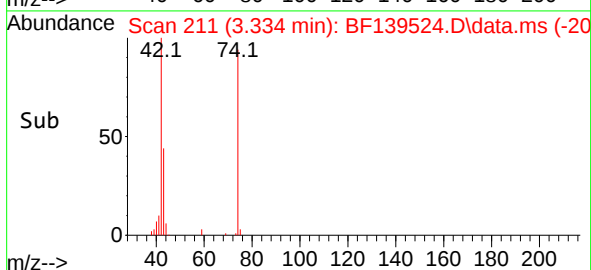
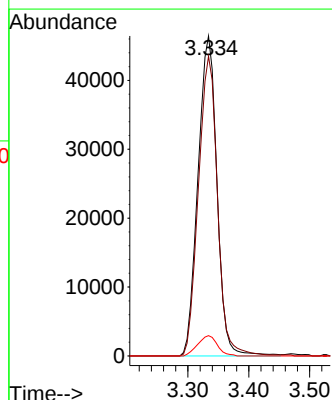
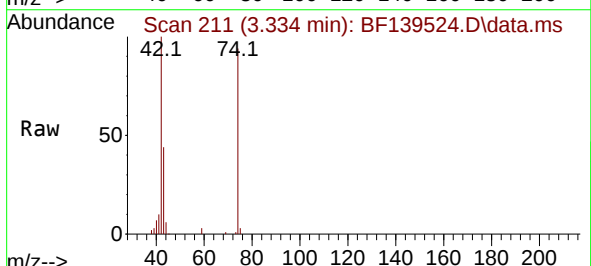
Tgt Ion: 42 Resp: 100672

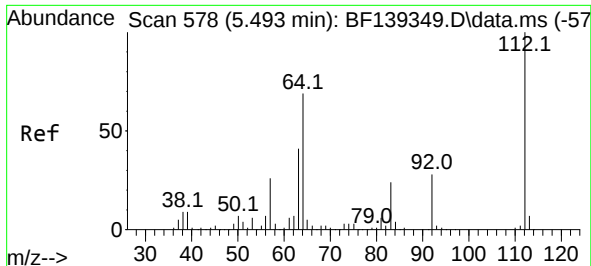
Ion Ratio Lower Upper

42 100

74 93.6 61.8 92.8#

44 6.4 4.8 7.2

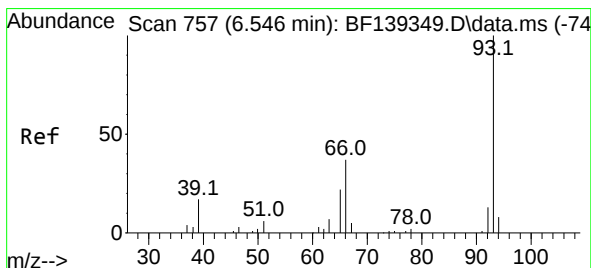
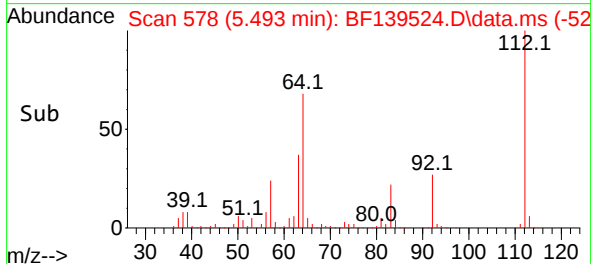
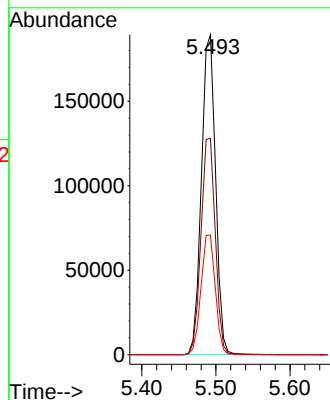
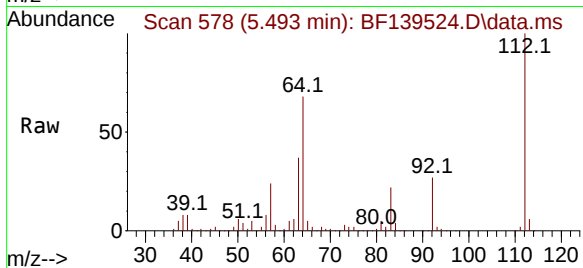




#5  
2-Fluorophenol  
Concen: 76.610 ng  
RT: 5.493 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

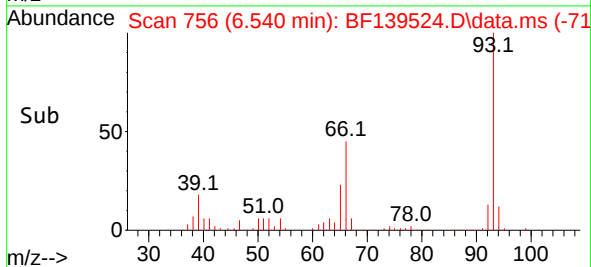
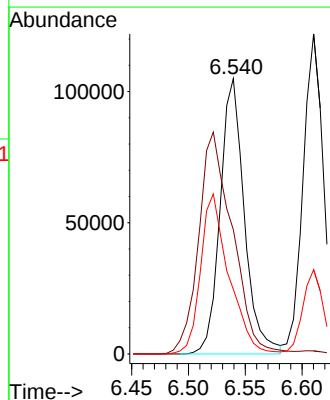
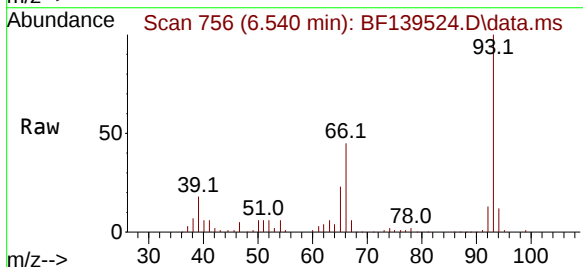
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Tgt Ion:112 Resp: 251183  
Ion Ratio Lower Upper  
112 100  
64 67.6 54.8 82.2  
63 37.4 33.0 49.4



#6  
Aniline  
Concen: 47.933 ng  
RT: 6.540 min Scan# 756  
Delta R.T. -0.029 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 93 Resp: 155671  
Ion Ratio Lower Upper  
93 100  
66 45.1 35.4 53.0  
65 23.5 18.2 27.4

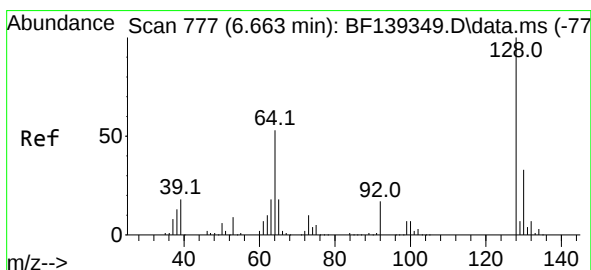
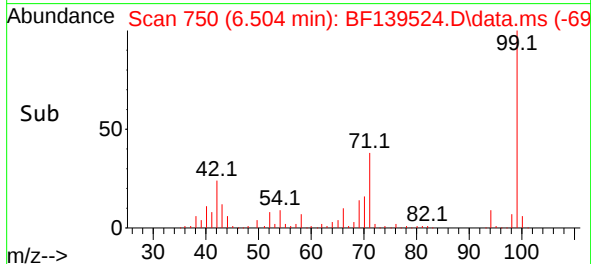
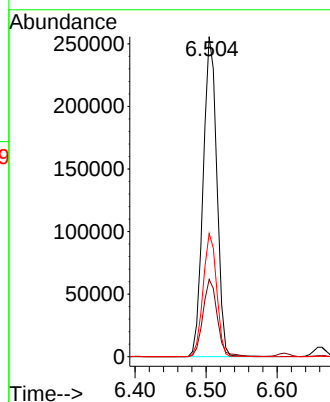
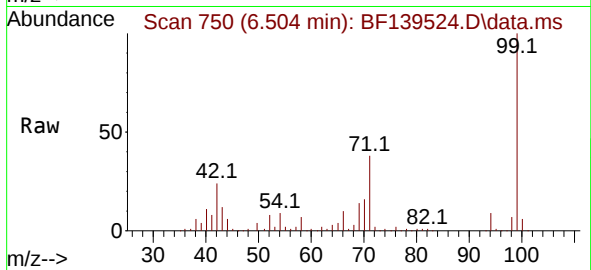




#7  
Phenol-d6  
Concen: 79.802 ng  
RT: 6.504 min Scan# 750  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

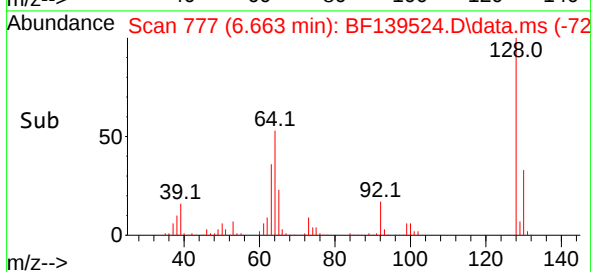
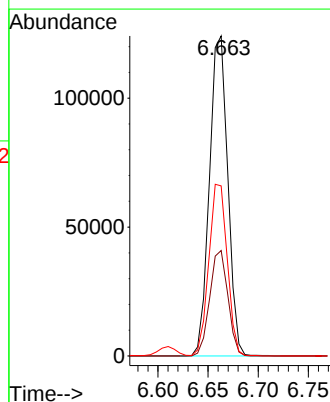
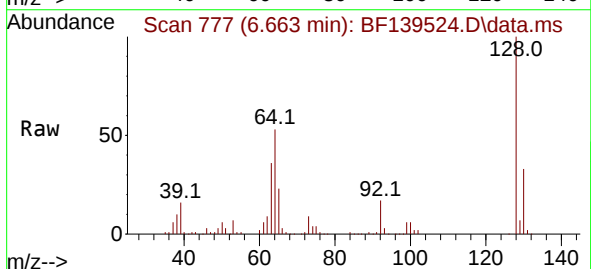
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 343430  
Ion Ratio Lower Upper  
99 100  
42 24.2 21.9 32.9  
71 38.5 34.6 52.0



#8  
2-Chlorophenol  
Concen: 46.850 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:128 Resp: 158120  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.8 52.8  
64 53.1 35.1 75.1





#9

Benzaldehyde

Concen: 9.656 ng

RT: 6.422 min Scan# 736

Delta R.T. -0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

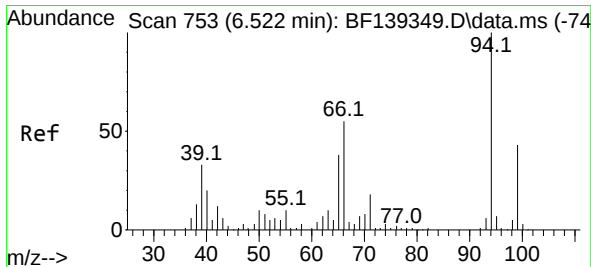
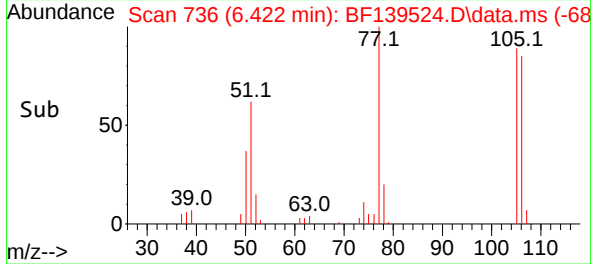
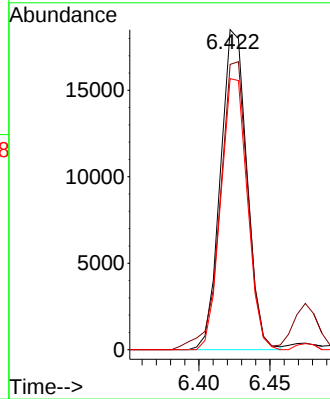
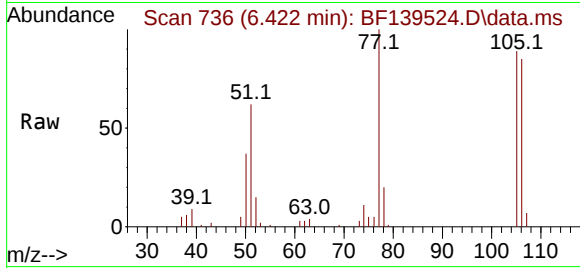
Tgt Ion: 77 Resp: 24008

Ion Ratio Lower Upper

77 100

105 89.1 71.0 111.0

106 84.7 64.9 104.9



#10

Phenol

Concen: 48.298 ng

RT: 6.522 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

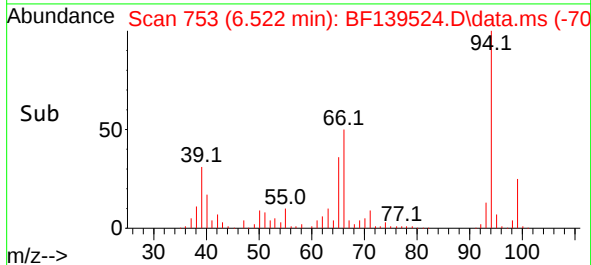
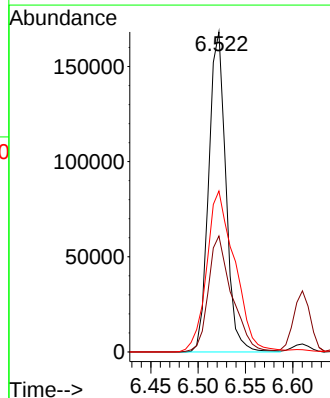
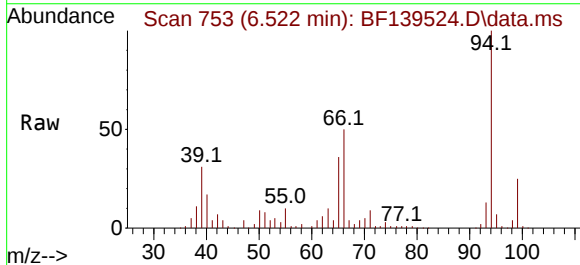
Tgt Ion: 94 Resp: 211696

Ion Ratio Lower Upper

94 100

65 36.3 17.6 57.6

66 50.3 35.2 75.2

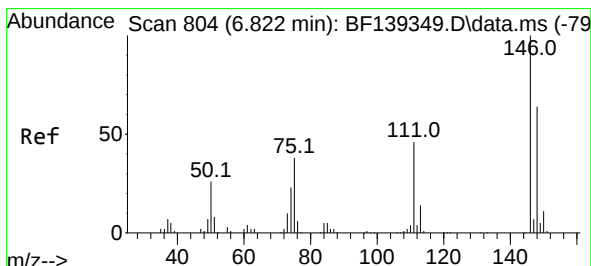
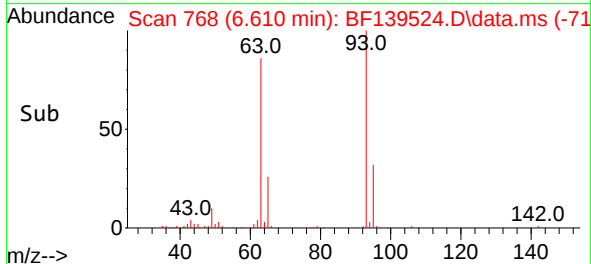
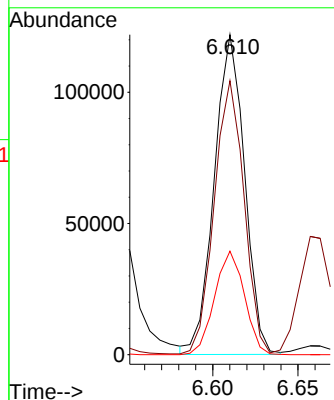
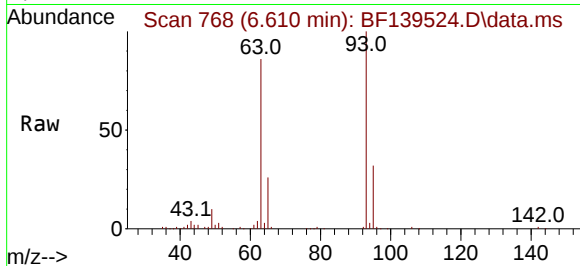




#11  
bis(2-Chloroethyl)ether  
Concen: 45.261 ng  
RT: 6.610 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

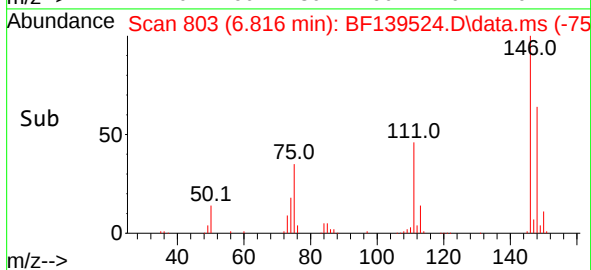
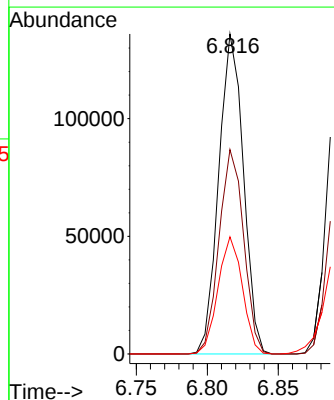
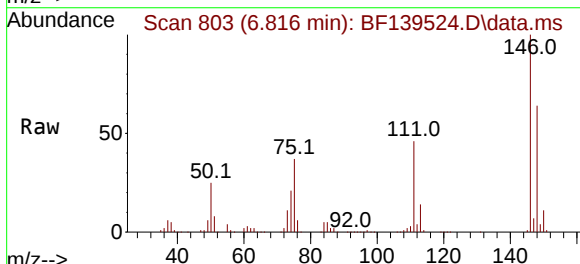
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

Tgt Ion: 93 Resp: 150782  
Ion Ratio Lower Upper  
93 100  
63 85.6 65.3 105.3  
95 32.3 12.4 52.4



#12  
1,3-Dichlorobenzene  
Concen: 42.822 ng  
RT: 6.816 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 146 Resp: 164365  
Ion Ratio Lower Upper  
146 100  
148 63.9 51.2 76.8  
75 36.6 30.6 46.0

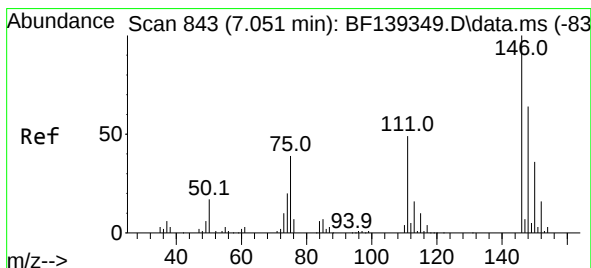
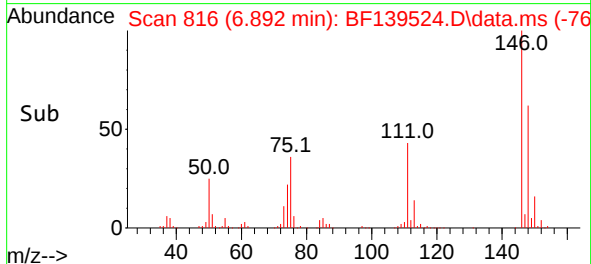
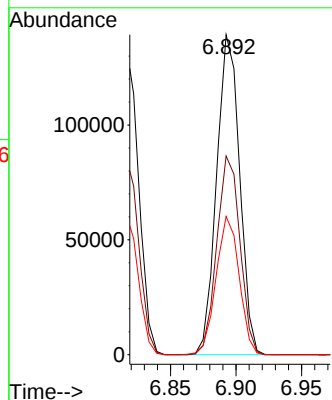
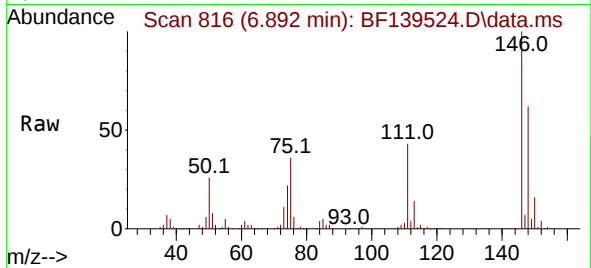




#13  
1,4-Dichlorobenzene  
Concen: 43.741 ng  
RT: 6.892 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

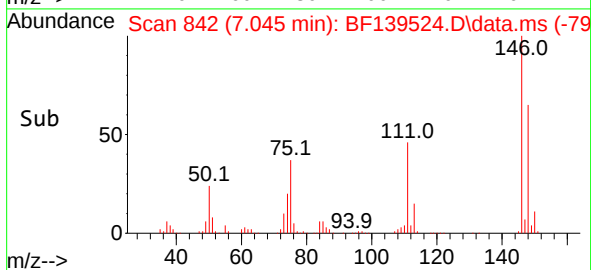
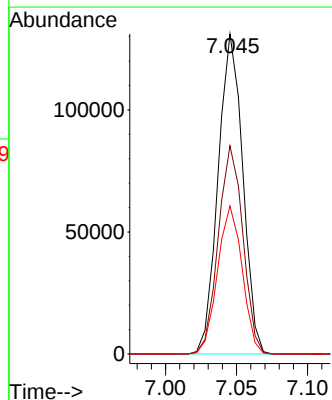
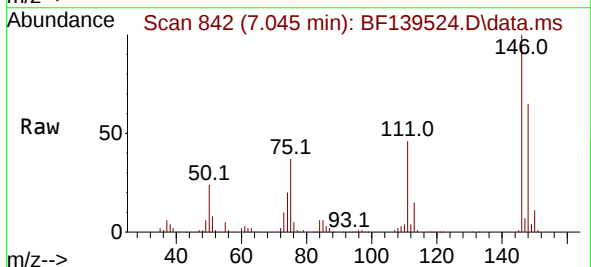
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

Tgt Ion:146 Resp: 169661  
Ion Ratio Lower Upper  
146 100  
148 62.1 50.9 76.3  
111 43.2 36.3 54.5



#14  
1,2-Dichlorobenzene  
Concen: 43.139 ng  
RT: 7.045 min Scan# 842  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:146 Resp: 158110  
Ion Ratio Lower Upper  
146 100  
148 65.1 50.9 76.3  
111 46.2 38.9 58.3

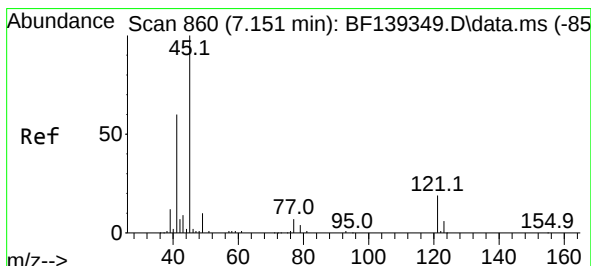
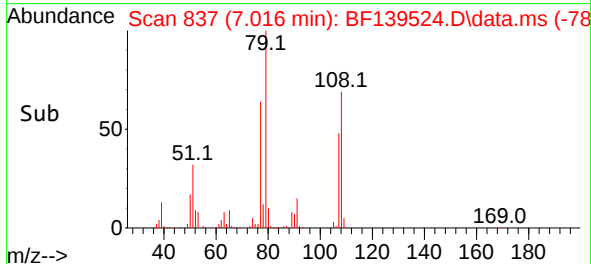
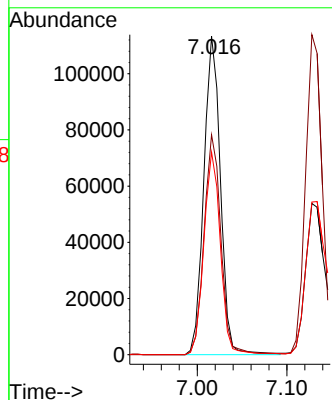
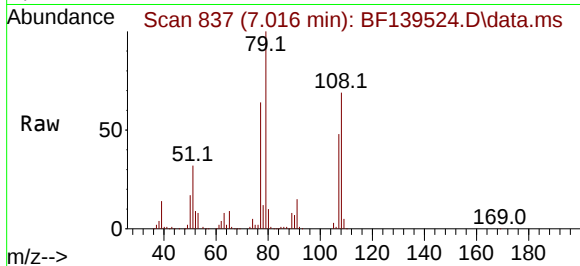




#15  
Benzyl Alcohol  
Concen: 42.545 ng  
RT: 7.016 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

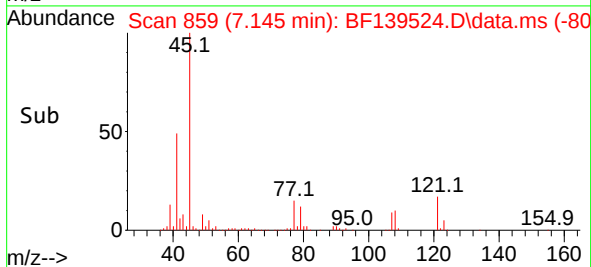
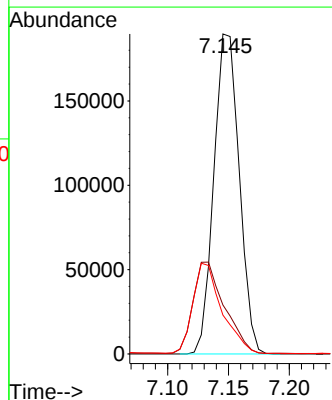
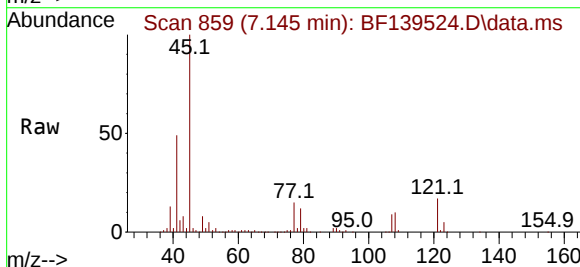
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

Tgt Ion: 79 Resp: 146075  
Ion Ratio Lower Upper  
79 100  
108 69.0 50.4 75.6  
77 63.6 51.4 77.2



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 53.549 ng  
RT: 7.145 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 45 Resp: 274926  
Ion Ratio Lower Upper  
45 100  
77 15.3 0.0 32.0  
79 12.2 0.0 29.1

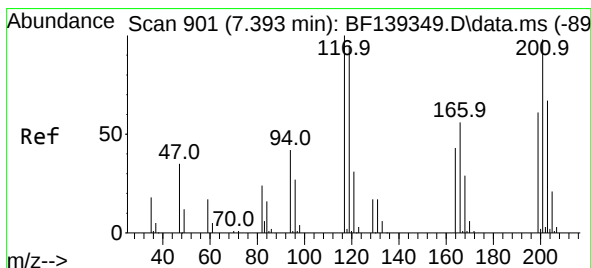
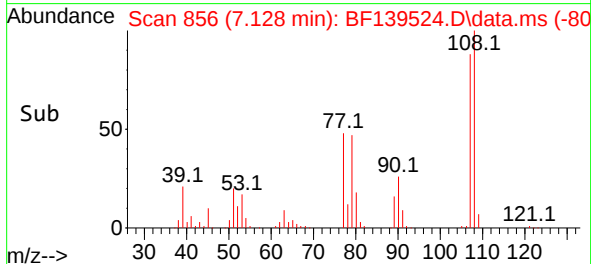
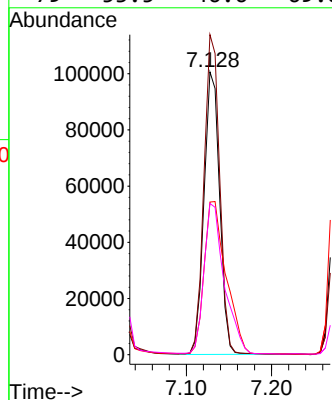
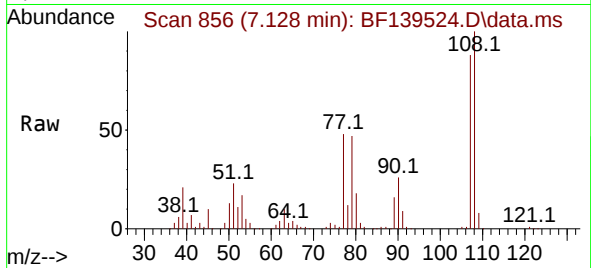




#17  
2-Methylphenol  
Concen: 47.740 ng  
RT: 7.128 min Scan# 856  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

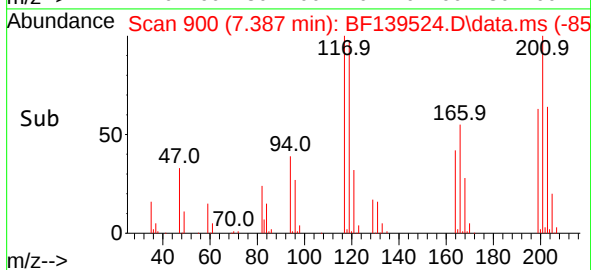
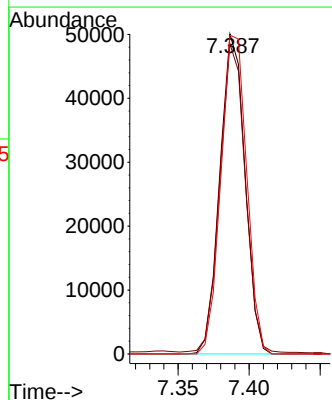
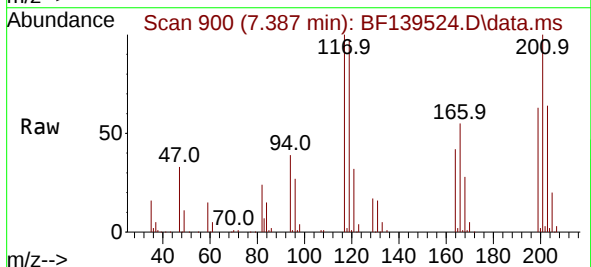
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

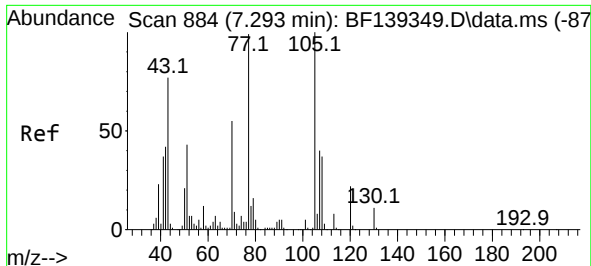
Tgt Ion:107 Resp: 128015  
Ion Ratio Lower Upper  
107 100  
108 113.2 90.5 135.7  
77 54.0 47.1 70.7  
79 53.5 46.6 69.8



#18  
Hexachloroethane  
Concen: 41.678 ng  
RT: 7.387 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:117 Resp: 61574  
Ion Ratio Lower Upper  
117 100  
119 96.9 75.8 113.8  
201 99.6 78.6 118.0

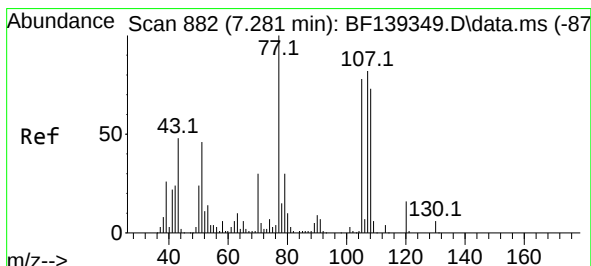
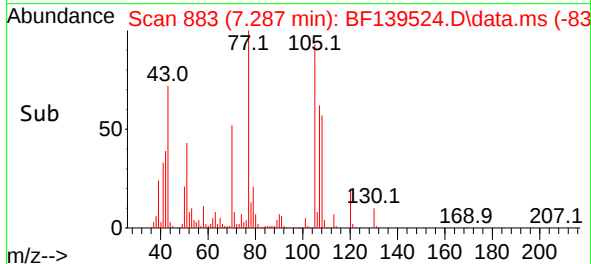
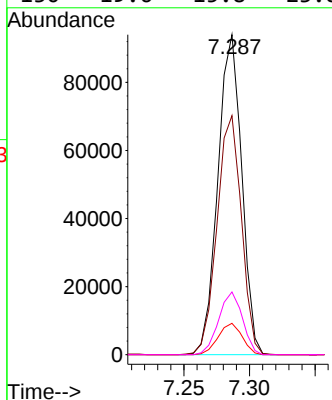
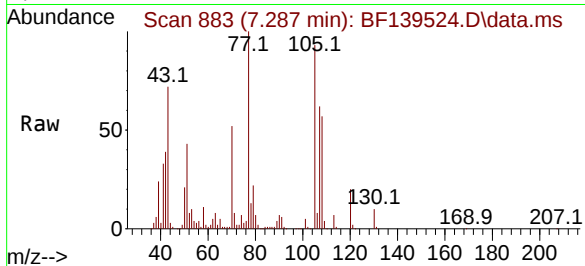




#19  
n-Nitroso-di-n-propylamine  
Concen: 46.606 ng  
RT: 7.287 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

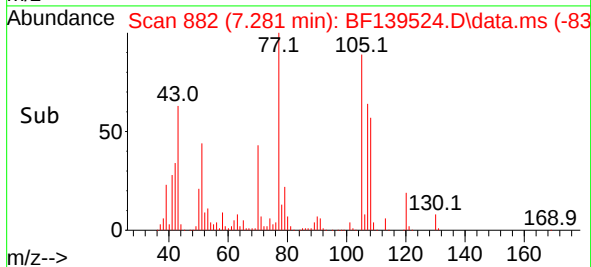
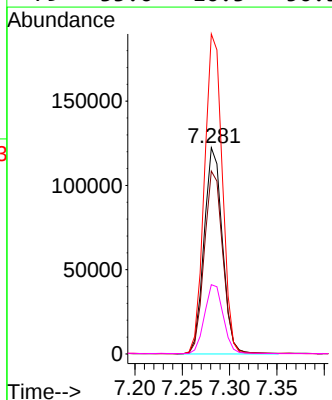
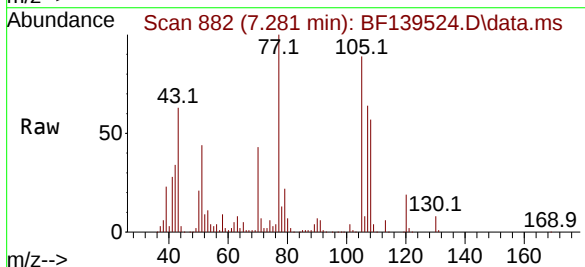
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

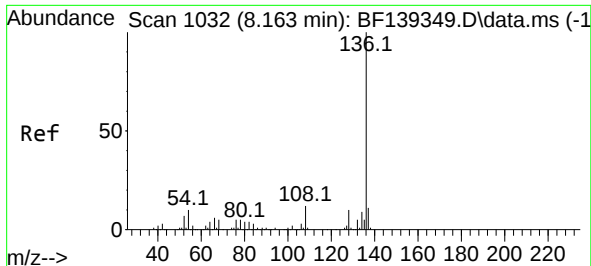
Tgt Ion: 70 Resp: 118855  
Ion Ratio Lower Upper  
70 100  
42 74.7 61.2 91.8  
101 9.8 7.5 11.3  
130 19.6 15.8 23.8



#20  
3+4-Methylphenols  
Concen: 45.052 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:107 Resp: 164816  
Ion Ratio Lower Upper  
107 100  
108 88.7 68.6 108.6  
77 155.2 101.6 141.6#  
79 33.6 16.3 56.3

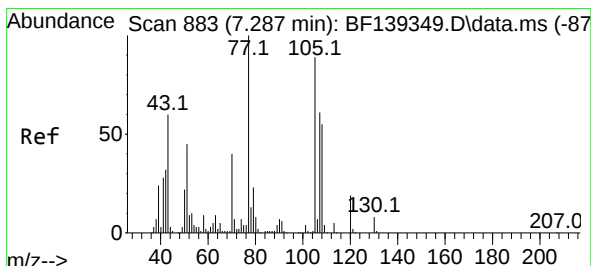
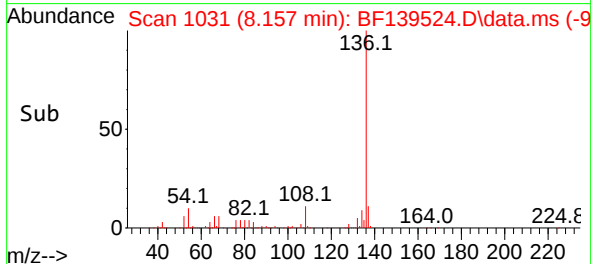
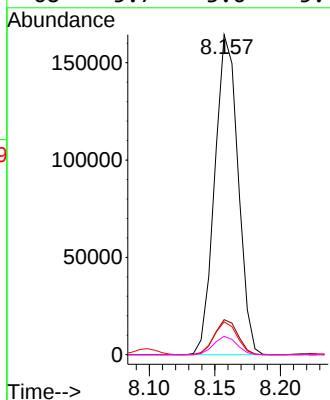
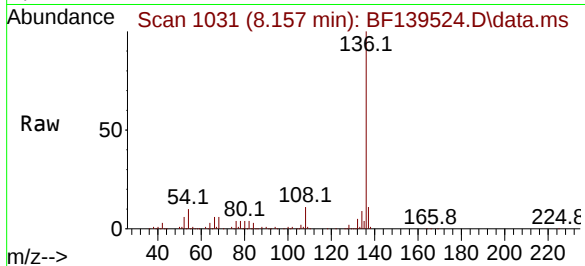




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

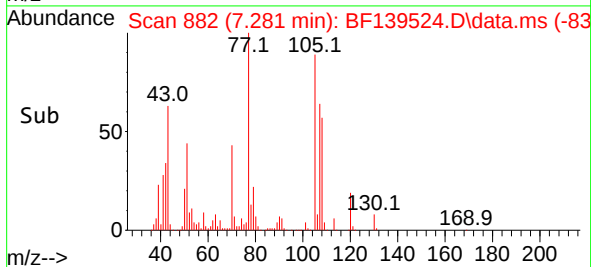
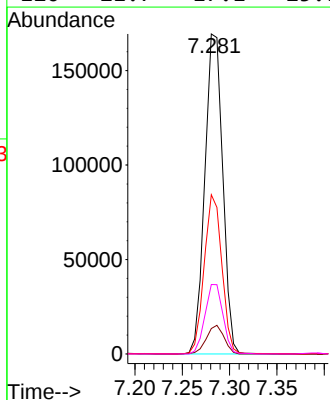
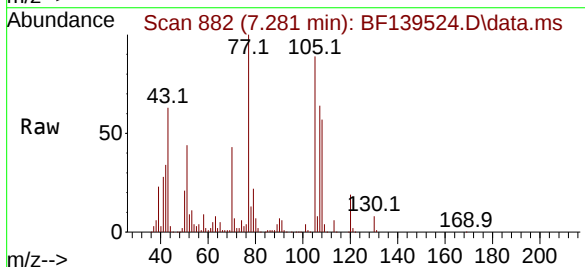
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

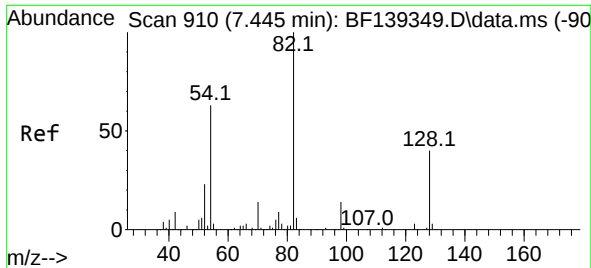
Tgt Ion:136 Resp: 203421  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.6 12.8  
54 10.3 7.8 11.8  
68 5.7 3.6 5.4#



#22  
Acetophenone  
Concen: 41.834 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:105 Resp: 222474  
Ion Ratio Lower Upper  
105 100  
71 7.9 5.9 8.9  
51 49.7 40.0 60.0  
120 21.7 17.1 25.7

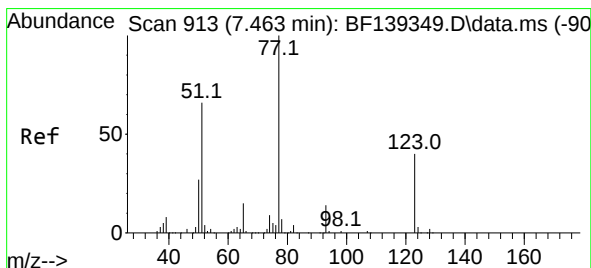
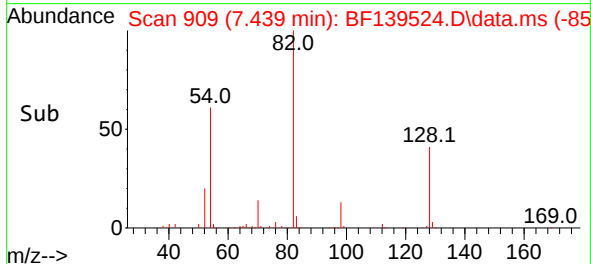
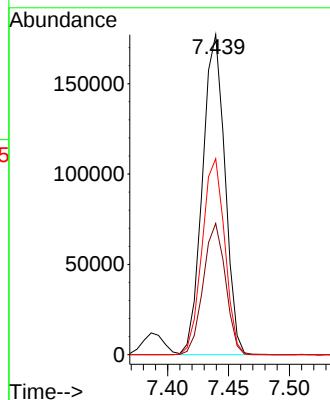
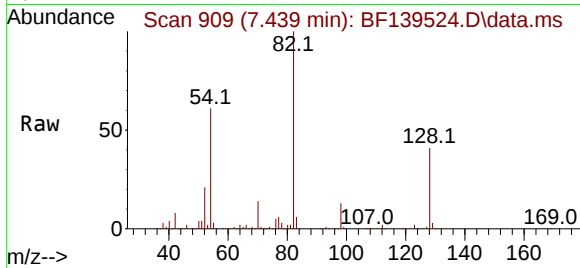




#23  
Nitrobenzene-d5  
Concen: 52.503 ng  
RT: 7.439 min Scan# 910  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

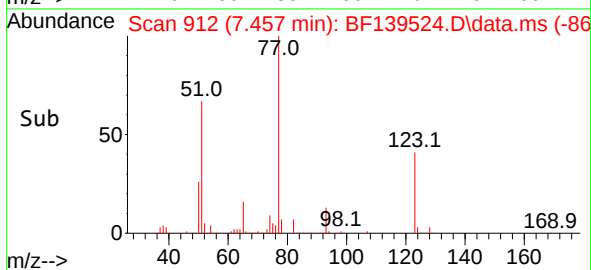
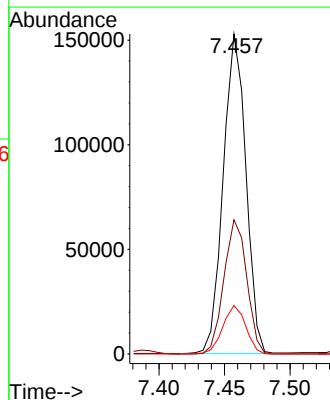
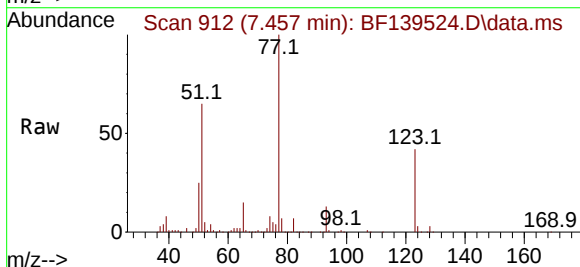
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

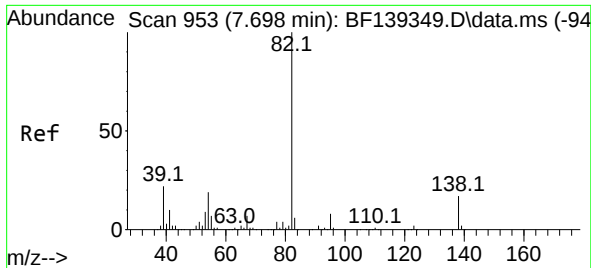
Tgt Ion: 82 Resp: 227183  
Ion Ratio Lower Upper  
82 100  
128 41.0 31.8 47.6  
54 61.2 50.6 75.8



#24  
Nitrobenzene  
Concen: 41.251 ng  
RT: 7.457 min Scan# 912  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 77 Resp: 183711  
Ion Ratio Lower Upper  
77 100  
123 41.9 32.2 48.4  
65 15.2 12.2 18.4

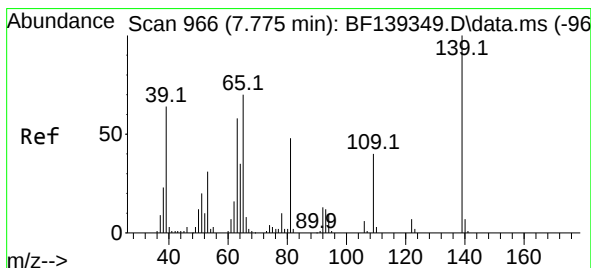
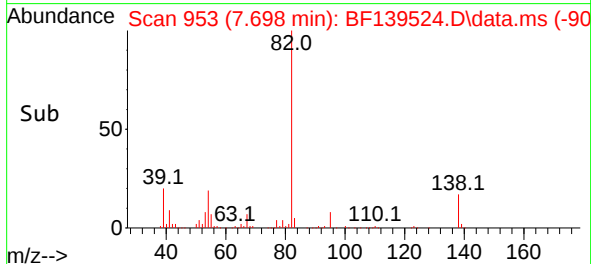
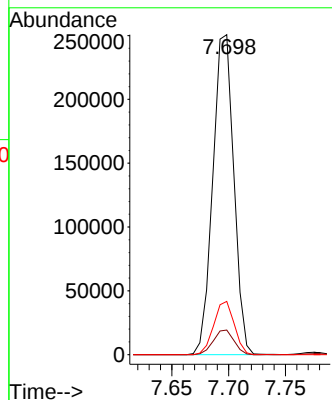
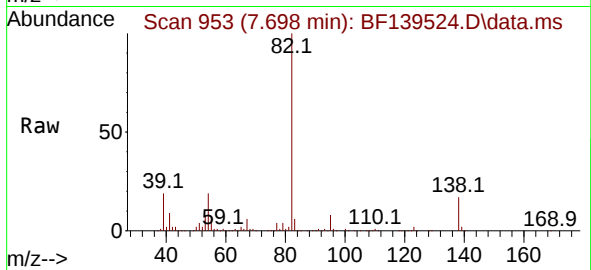




#25  
Isophorone  
Concen: 47.104 ng  
RT: 7.698 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

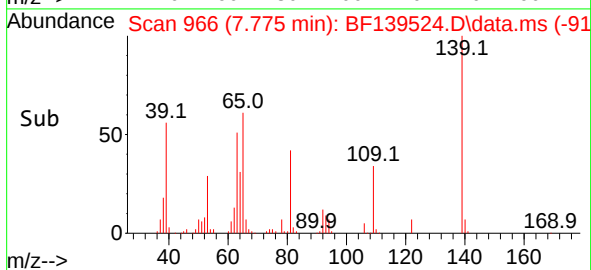
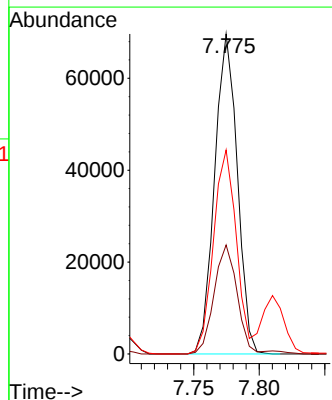
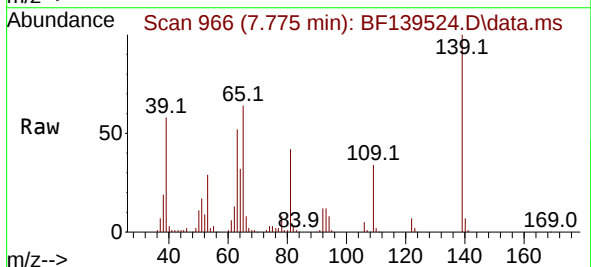
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

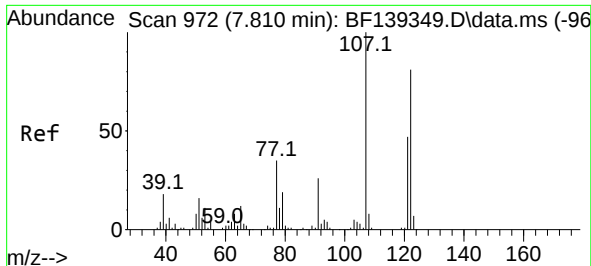
Tgt Ion: 82 Resp: 322344  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.7 10.1  
138 16.6 13.3 19.9



#26  
2-Nitrophenol  
Concen: 48.207 ng  
RT: 7.775 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 139 Resp: 83641  
Ion Ratio Lower Upper  
139 100  
109 34.0 32.2 48.2  
65 63.8 55.8 83.8

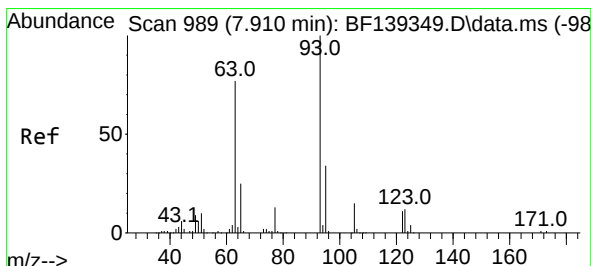
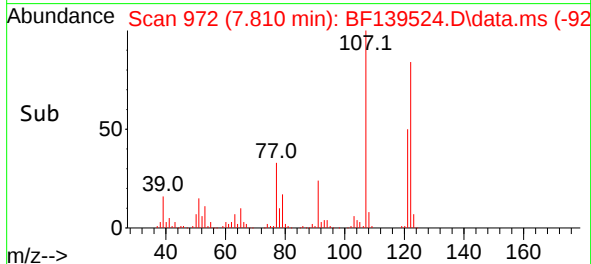
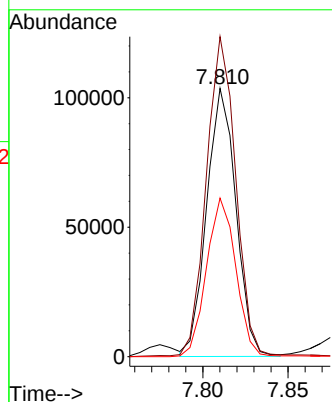
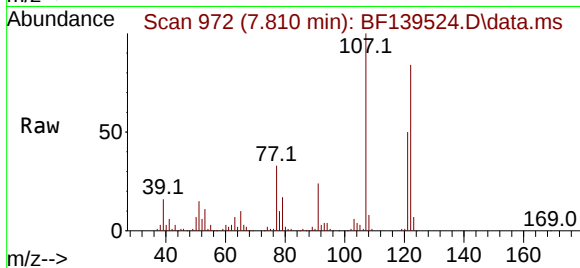




#27  
2,4-Dimethylphenol  
Concen: 54.217 ng  
RT: 7.810 min Scan# 912  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

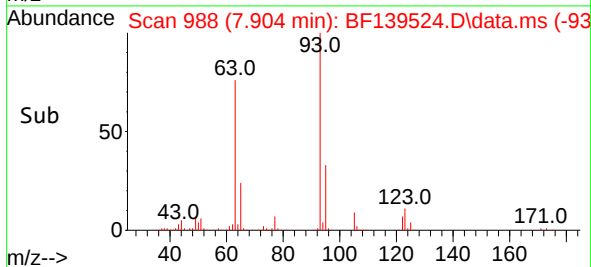
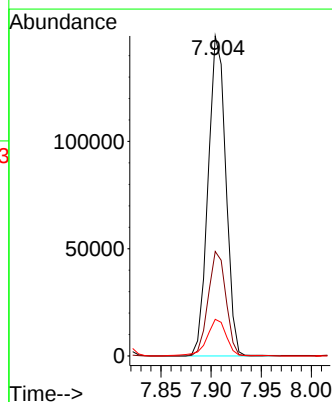
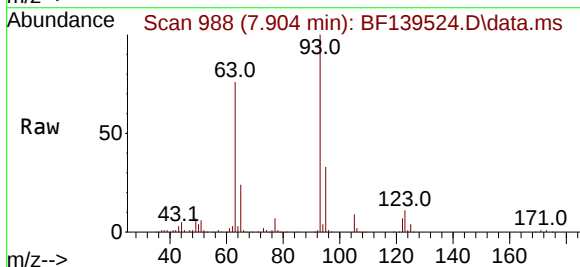
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

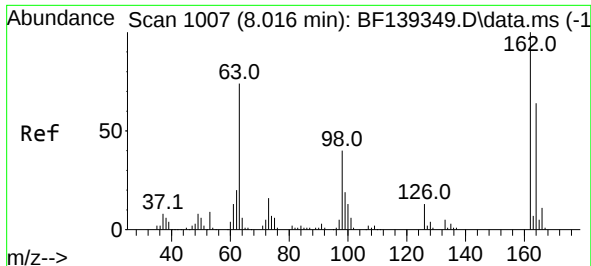
Tgt Ion:122 Resp: 124086  
Ion Ratio Lower Upper  
122 100  
107 119.3 99.1 148.7  
121 59.1 46.6 70.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.993 ng  
RT: 7.904 min Scan# 988  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 93 Resp: 183279  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.9 40.3  
123 11.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 46.141 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF139524.D

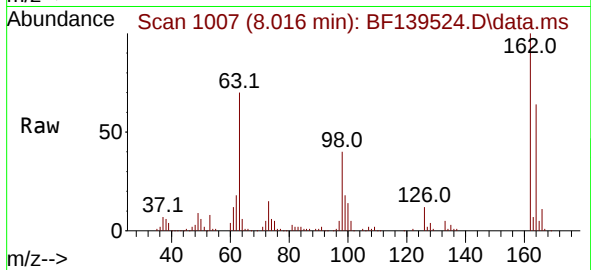
Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD



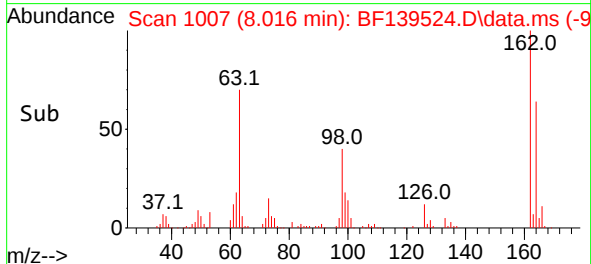
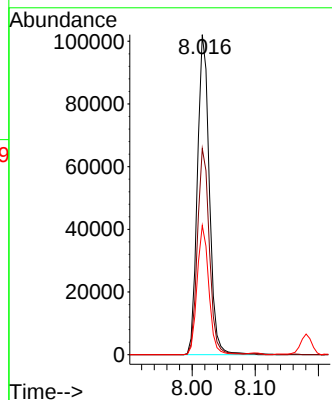
Tgt Ion:162 Resp: 134156

Ion Ratio Lower Upper

162 100

164 64.4 43.6 83.6

98 40.3 19.7 59.7



#30

1,2,4-Trichlorobenzene

Concen: 40.989 ng

RT: 8.098 min Scan# 1021

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

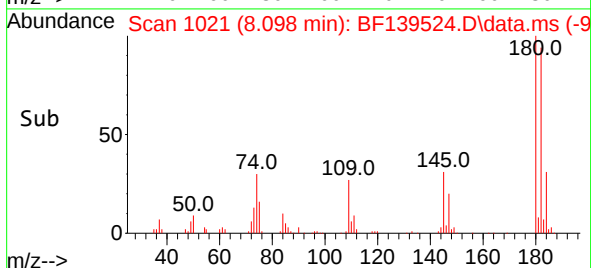
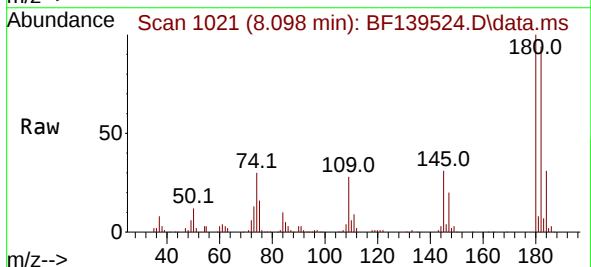
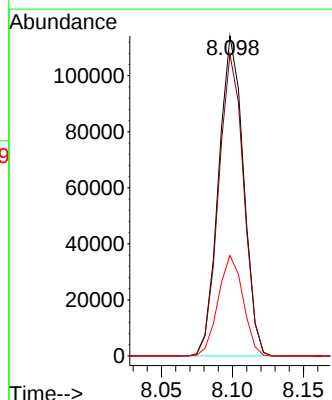
Tgt Ion:180 Resp: 138858

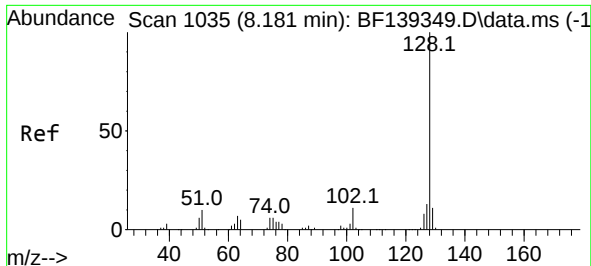
Ion Ratio Lower Upper

180 100

182 94.3 75.7 113.5

145 31.4 26.5 39.7

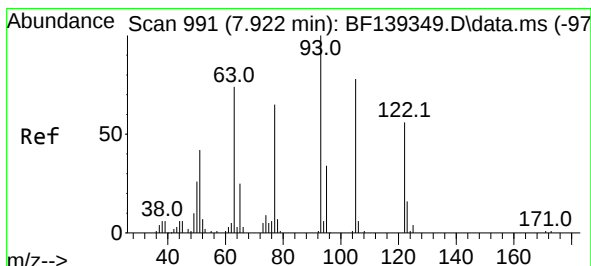
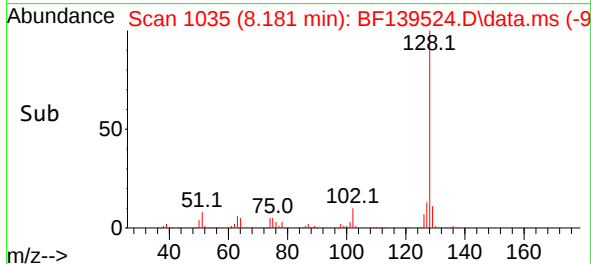
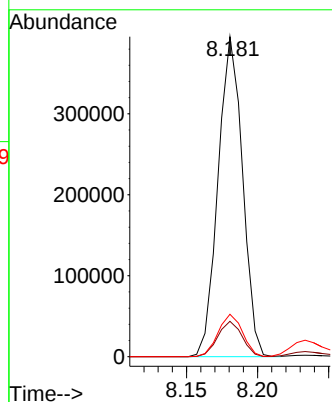
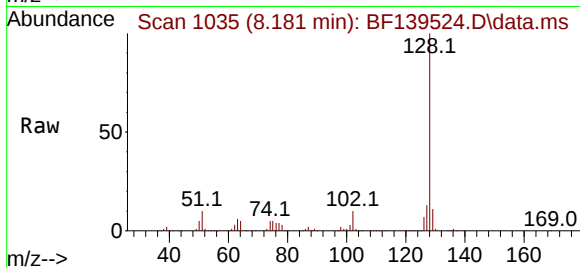




#31  
Naphthalene  
Concen: 44.560 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

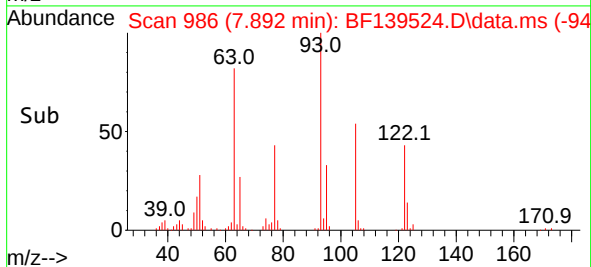
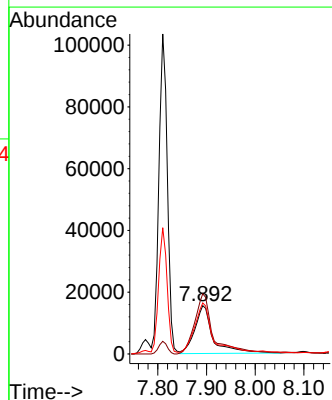
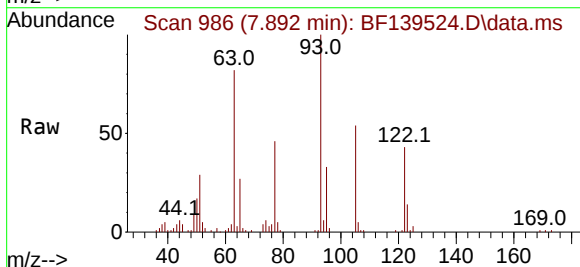
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

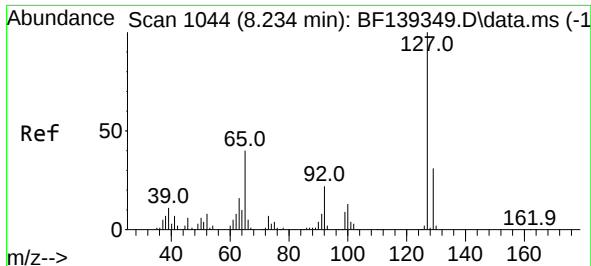
Tgt Ion:128 Resp: 473219  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.2 10.6 16.0



#32  
Benzoic acid  
Concen: 18.777 ng  
RT: 7.892 min Scan# 986  
Delta R.T. -0.030 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:122 Resp: 40217  
Ion Ratio Lower Upper  
122 100  
105 124.6 117.1 157.1  
77 105.9 95.4 135.4

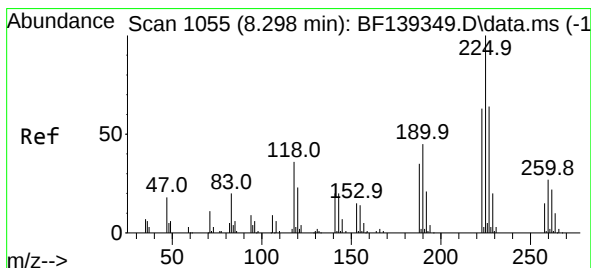
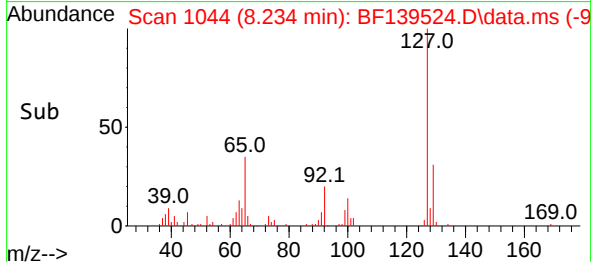
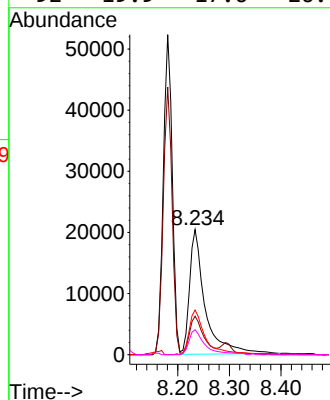
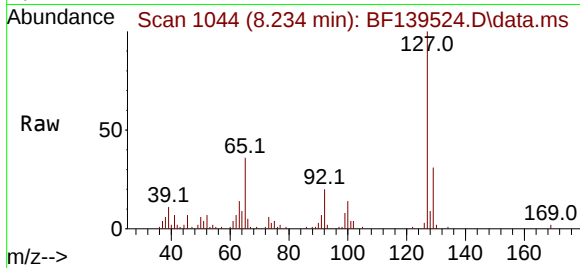




#33  
4-Chloroaniline  
Concen: 13.122 ng  
RT: 8.234 min Scan# 1044  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

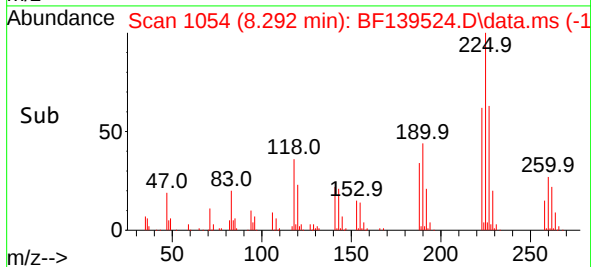
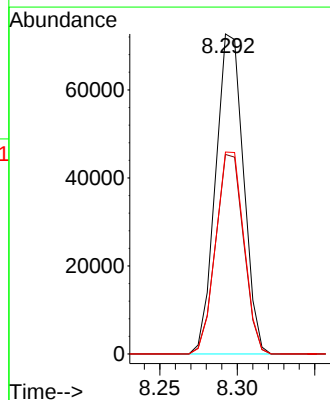
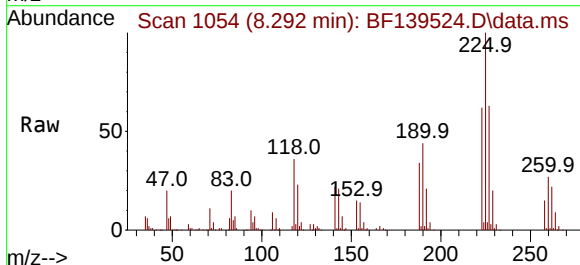
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

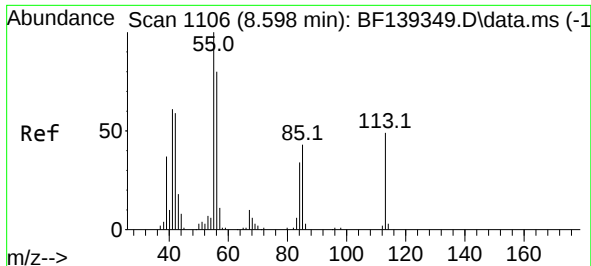
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 42631 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 30.8  | 25.5  | 38.3  |
| 65        | 35.6  | 31.5  | 47.3  |
| 92        | 19.9  | 17.6  | 26.4  |



#34  
Hexachlorobutadiene  
Concen: 39.515 ng  
RT: 8.292 min Scan# 1054  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

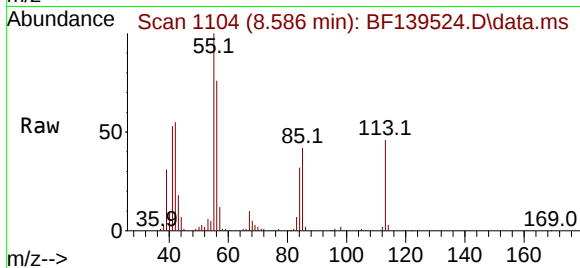
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 90946 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 62.3  | 50.1  | 75.1  |
| 227       | 63.1  | 51.0  | 76.6  |



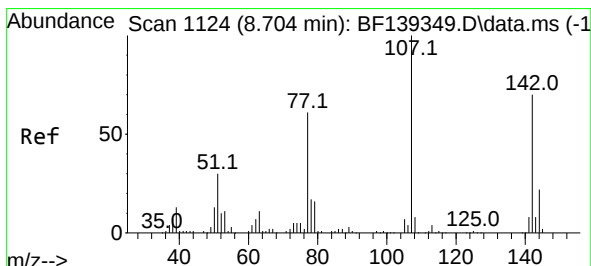
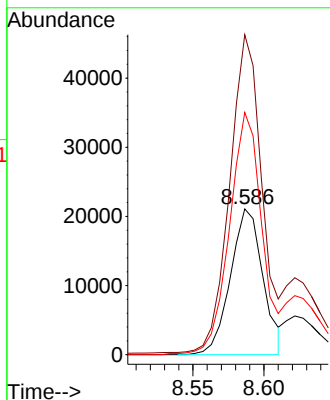
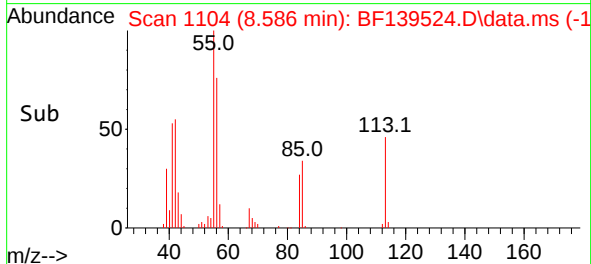


#35  
Caprolactam  
Concen: 37.420 ng  
RT: 8.586 min Scan# 1106  
Delta R.T. -0.012 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

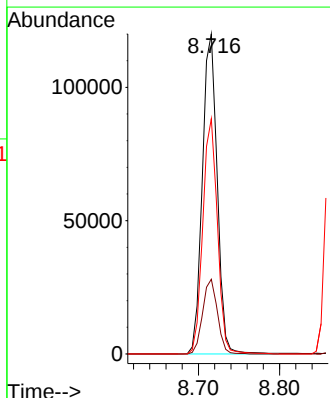
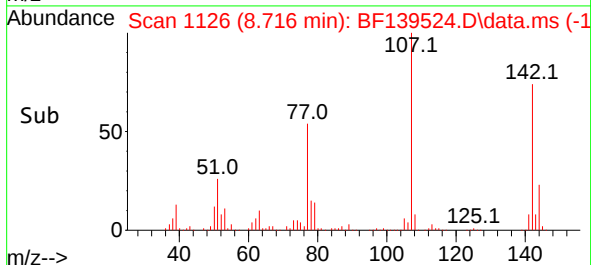
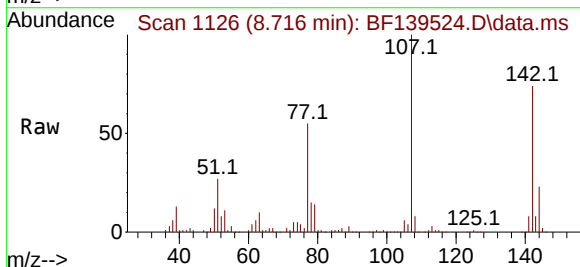


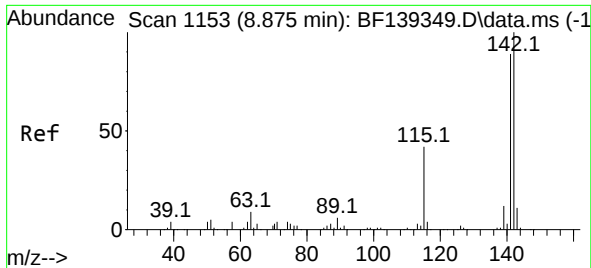
Tgt Ion:113 Resp: 33468  
Ion Ratio Lower Upper  
113 100  
55 219.4 186.1 226.1  
56 166.1 144.9 184.9



#36  
4-Chloro-3-methylphenol  
Concen: 45.808 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.012 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:107 Resp: 152212  
Ion Ratio Lower Upper  
107 100  
144 23.4 17.5 26.3  
142 73.5 55.8 83.8





#37

2-Methylnaphthalene

Concen: 47.090 ng

RT: 8.869 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

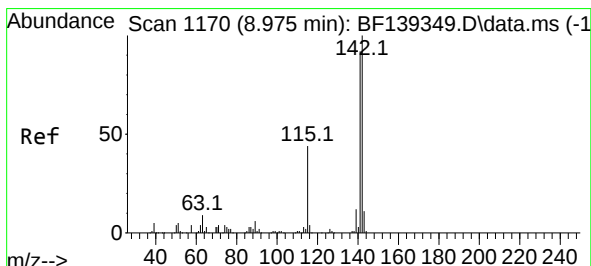
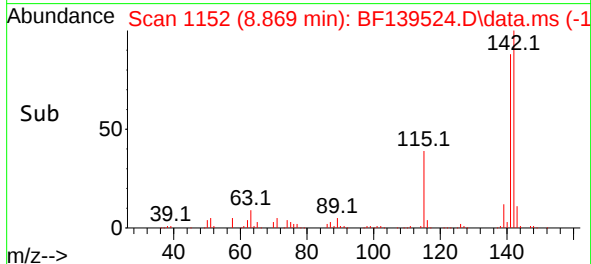
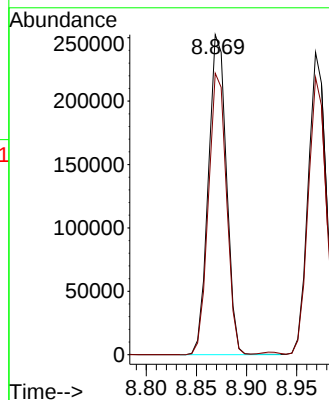
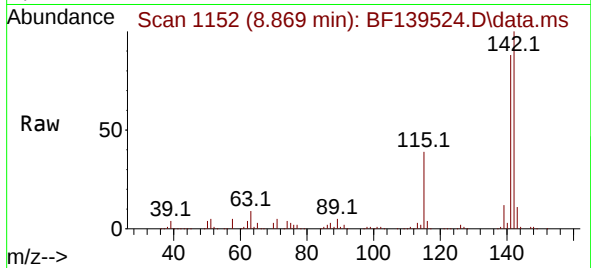
COMP-8MSD

Tgt Ion:142 Resp: 317423

Ion Ratio Lower Upper

142 100

141 87.9 71.6 107.4



#38

1-Methylnaphthalene

Concen: 44.188 ng

RT: 8.969 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF139524.D

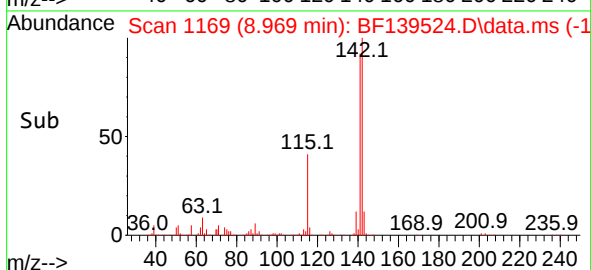
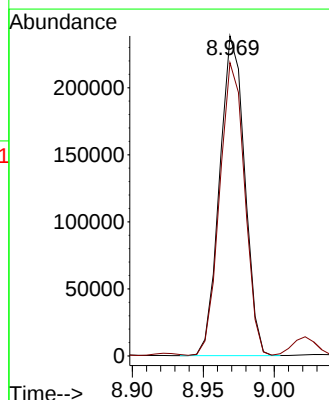
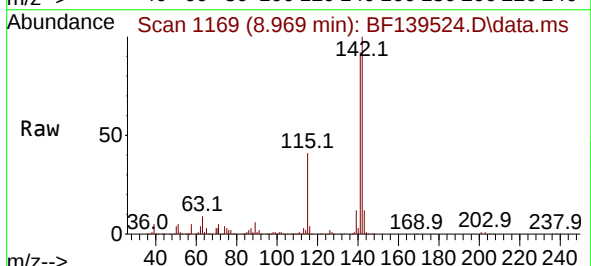
Acq: 24 Sep 2024 17:07

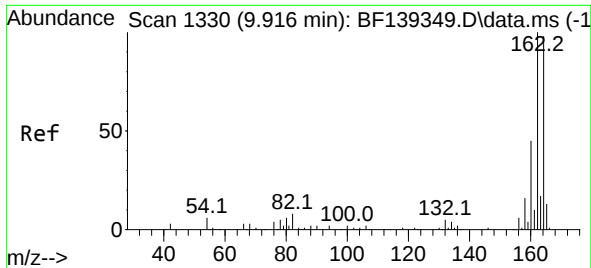
Tgt Ion:142 Resp: 292429

Ion Ratio Lower Upper

142 100

141 91.7 73.2 109.8

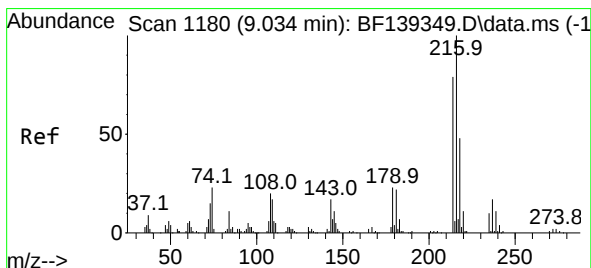
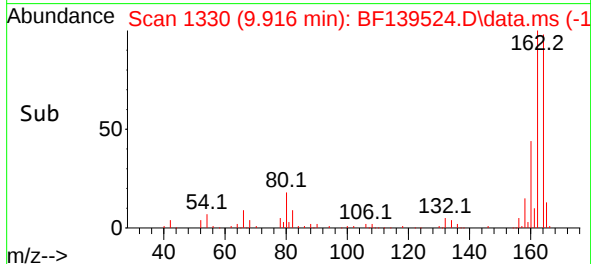
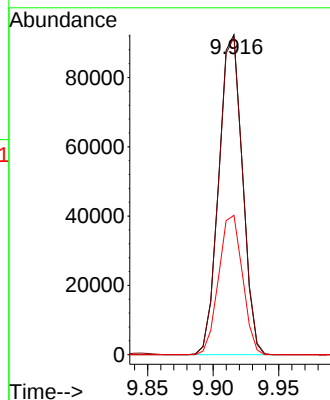
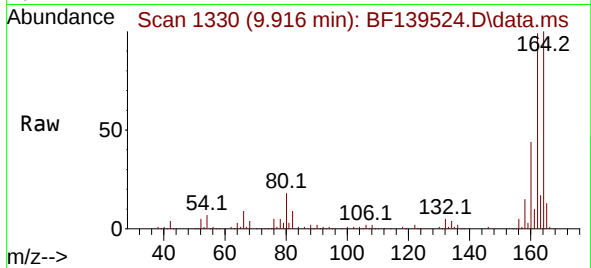




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1155  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

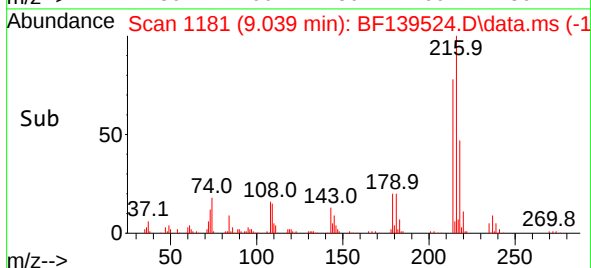
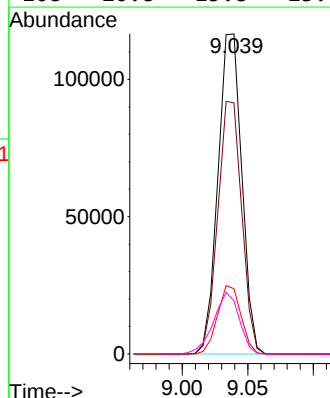
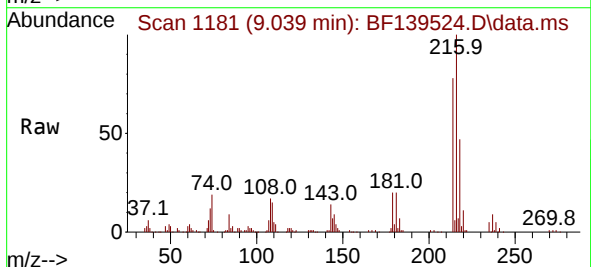
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

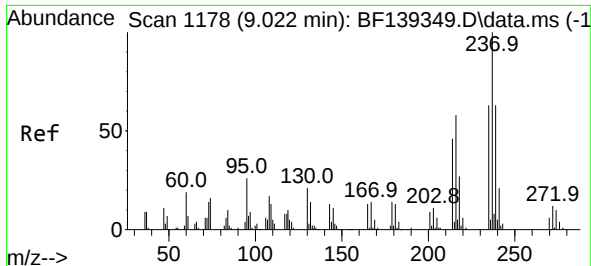
Tgt Ion:164 Resp: 115511  
Ion Ratio Lower Upper  
164 100  
162 99.2 81.3 121.9  
160 43.5 36.4 54.6



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 43.012 ng  
RT: 9.039 min Scan# 1181  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:216 Resp: 147246  
Ion Ratio Lower Upper  
216 100  
214 79.1 63.4 95.0  
179 21.0 18.2 27.2  
108 20.8 15.8 23.6

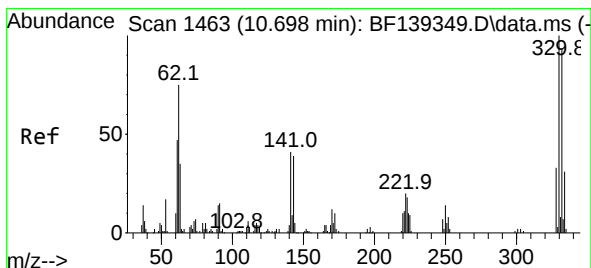
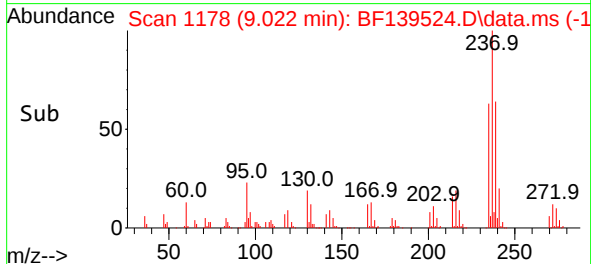
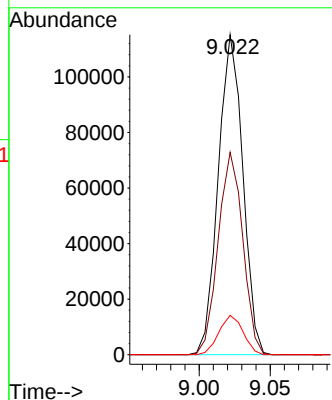
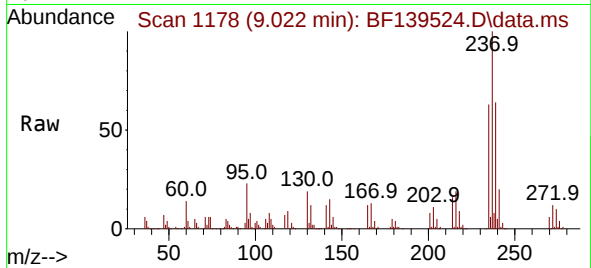




#41  
Hexachlorocyclopentadiene  
Concen: 115.878 ng  
RT: 9.022 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

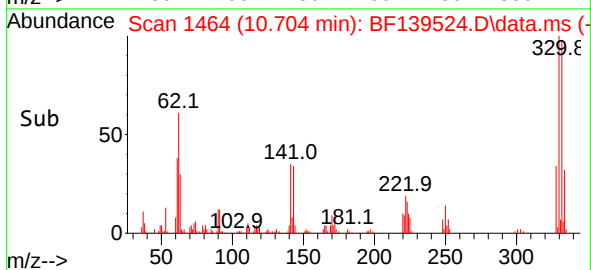
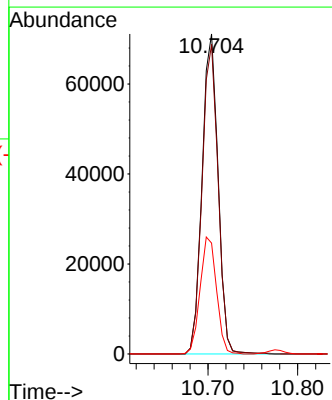
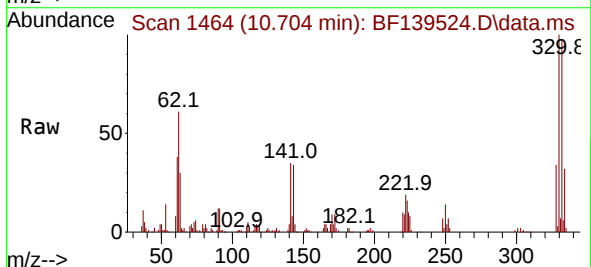
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

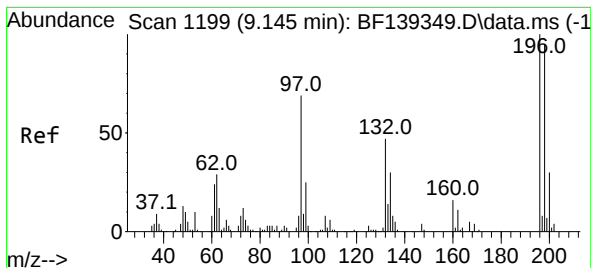
Tgt Ion: 237 Resp: 138509  
Ion Ratio Lower Upper  
237 100  
235 63.2 42.7 82.7  
272 12.3 0.0 32.5



#42  
2,4,6-Tribromophenol  
Concen: 71.332 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 330 Resp: 87721  
Ion Ratio Lower Upper  
330 100  
332 97.0 75.2 112.8  
141 37.6 31.2 46.8





#43

2,4,6-Trichlorophenol

Concen: 45.310 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

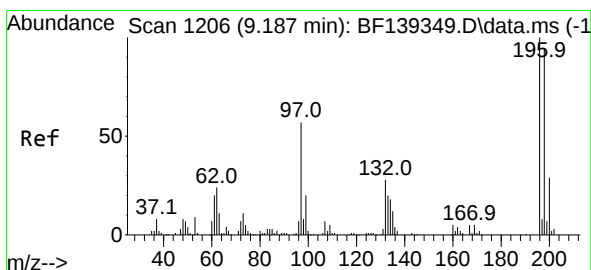
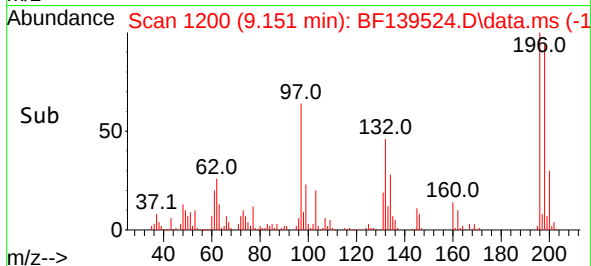
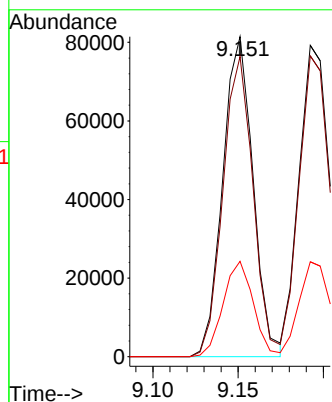
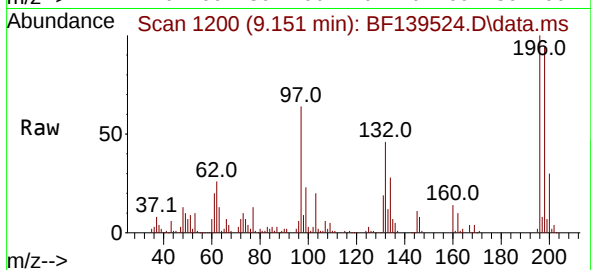
Tgt Ion:196 Resp: 100916

Ion Ratio Lower Upper

196 100

198 93.8 75.8 113.6

200 29.8 24.1 36.1



#44

2,4,5-Trichlorophenol

Concen: 43.253 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Tgt Ion:196 Resp: 101617

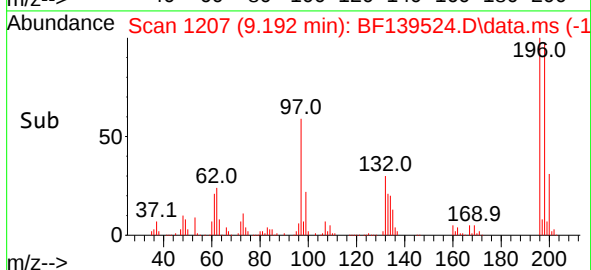
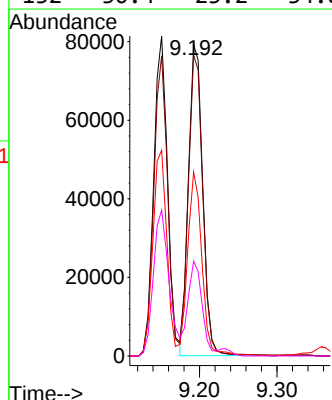
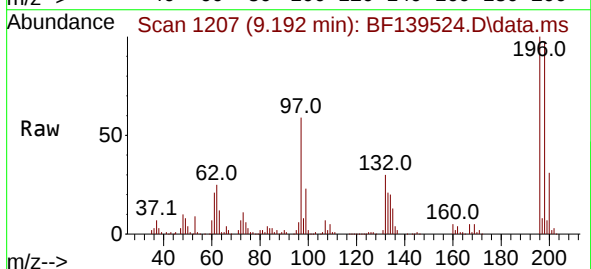
Ion Ratio Lower Upper

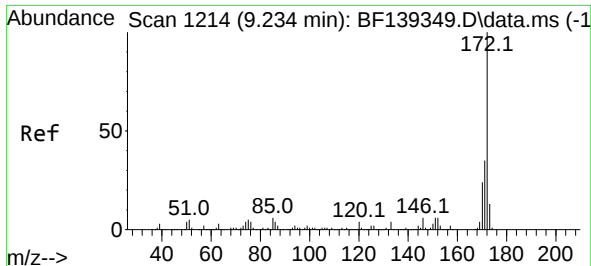
196 100

198 96.6 74.8 112.2

97 59.1 47.3 70.9

132 30.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 52.114 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

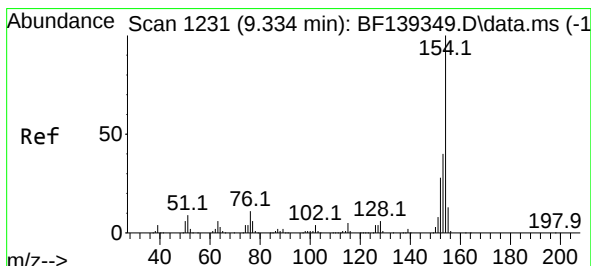
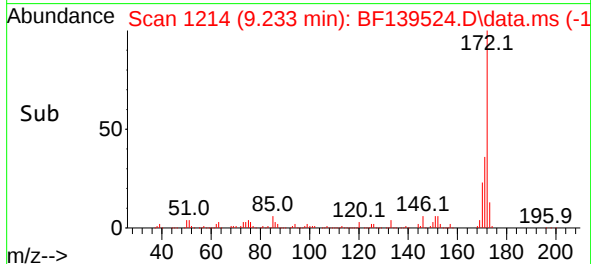
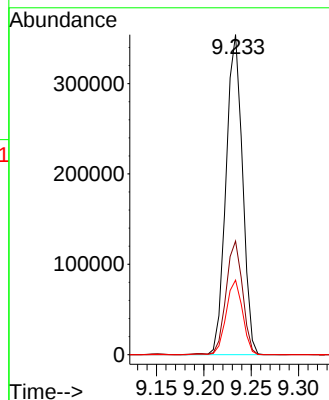
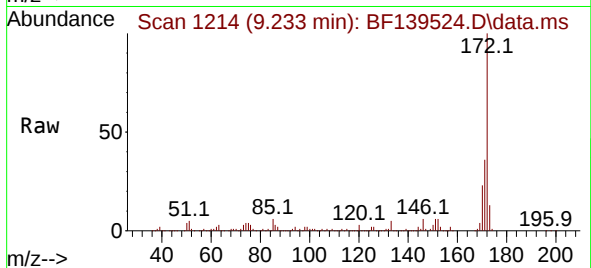
Tgt Ion:172 Resp: 429213

Ion Ratio Lower Upper

172 100

171 35.5 28.3 42.5

170 23.3 19.0 28.6



#46

1,1'-Biphenyl

Concen: 44.188 ng

RT: 9.333 min Scan# 1231

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

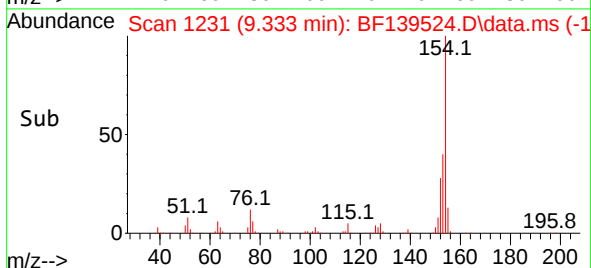
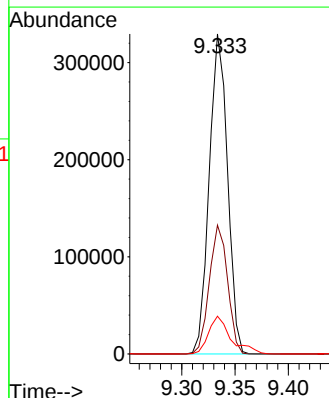
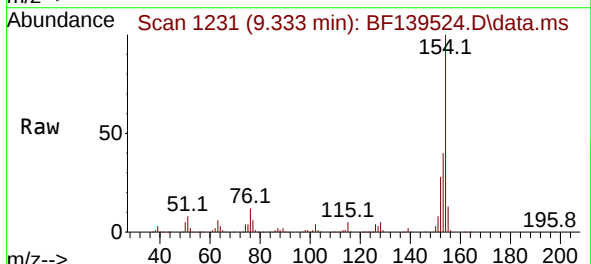
Tgt Ion:154 Resp: 392679

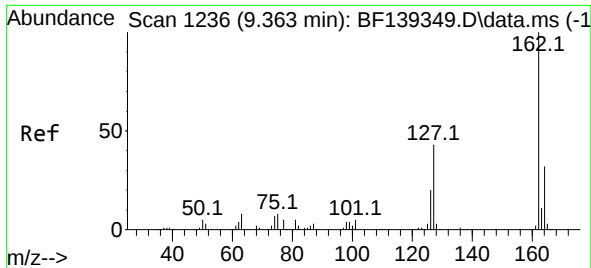
Ion Ratio Lower Upper

154 100

153 40.2 20.1 60.1

76 11.8 0.0 31.1

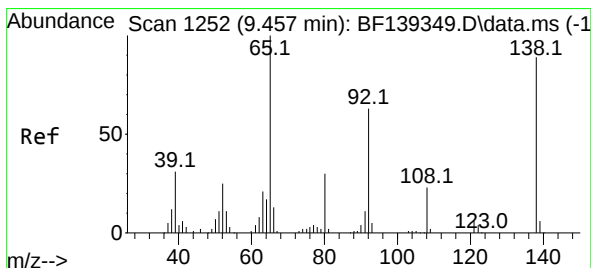
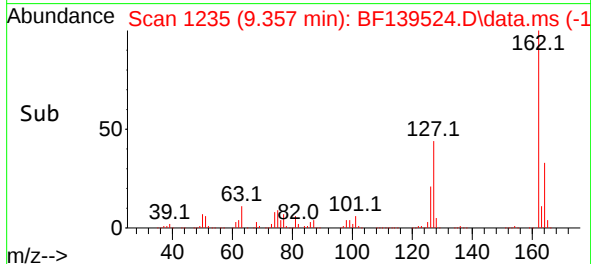
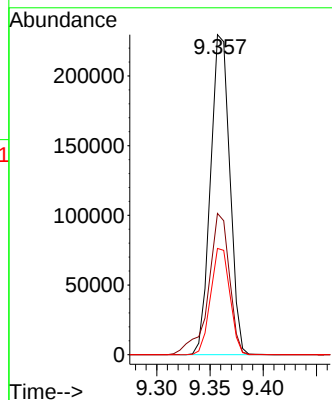
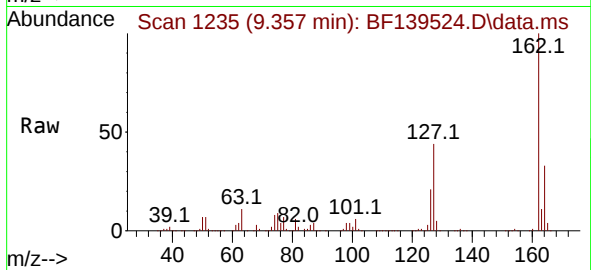




#47  
2-Chloronaphthalene  
Concen: 43.534 ng  
RT: 9.357 min Scan# 1235  
Delta R.T. -0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

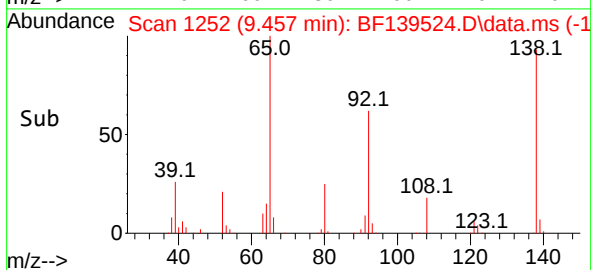
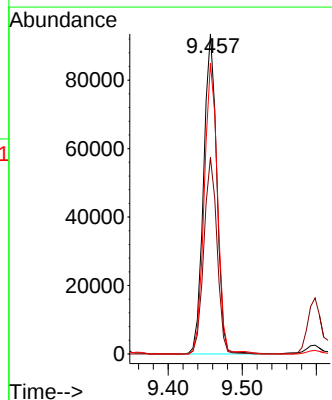
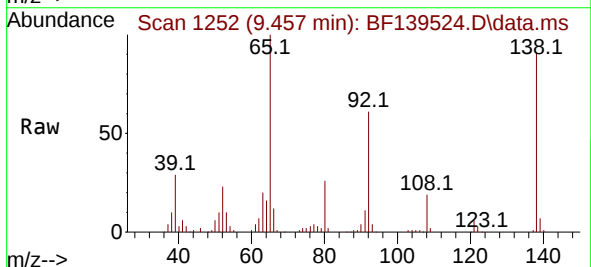
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

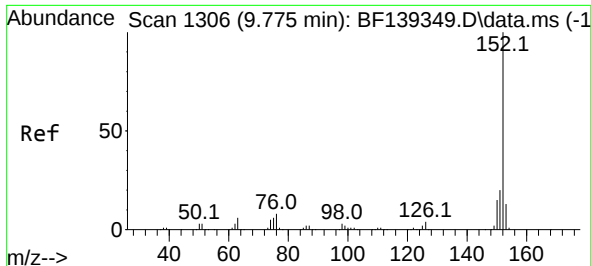
Tgt Ion:162 Resp: 289261  
Ion Ratio Lower Upper  
162 100  
127 44.1 35.0 52.4  
164 33.2 25.8 38.6



#48  
2-Nitroaniline  
Concen: 46.960 ng  
RT: 9.457 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion: 65 Resp: 116057  
Ion Ratio Lower Upper  
65 100  
92 61.4 50.3 75.5  
138 90.8 71.3 106.9





#49

Acenaphthylene

Concen: 48.936 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

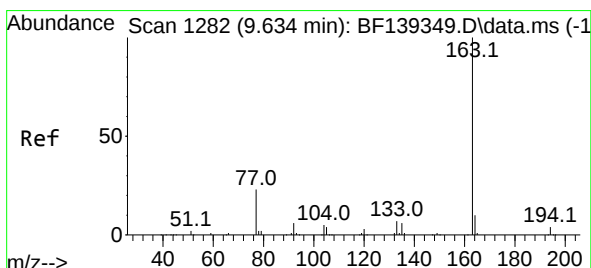
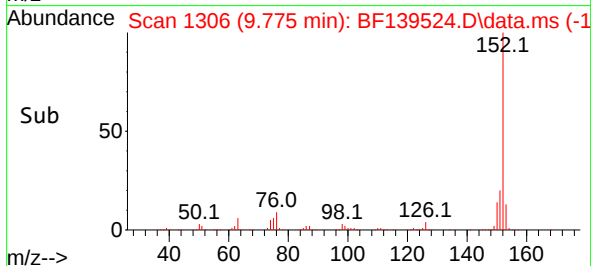
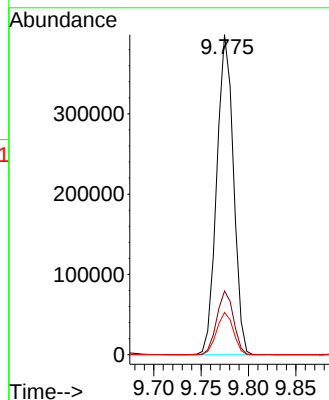
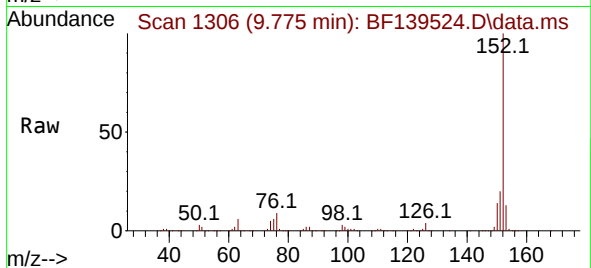
Tgt Ion:152 Resp: 489449

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 13.2 10.3 15.5



#50

Dimethylphthalate

Concen: 46.374 ng

RT: 9.633 min Scan# 1282

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

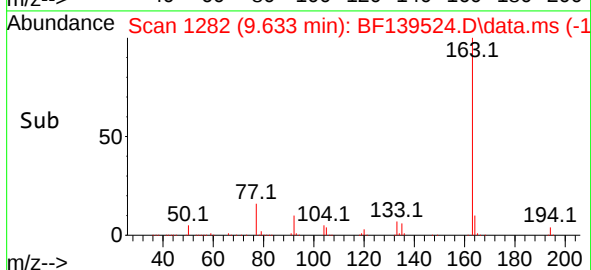
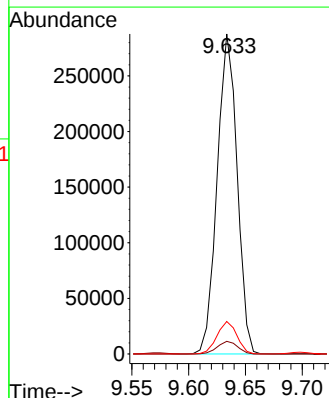
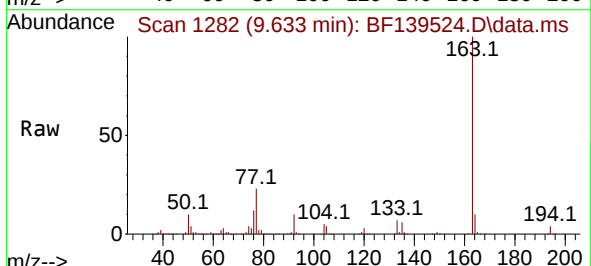
Tgt Ion:163 Resp: 351581

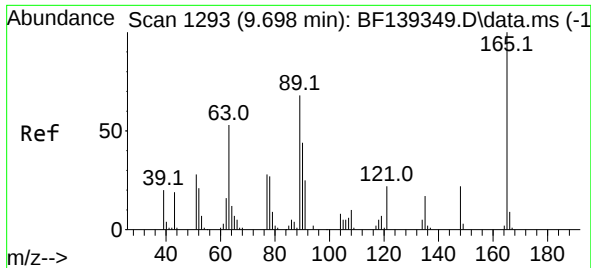
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

164 10.1 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 45.729 ng

RT: 9.698 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

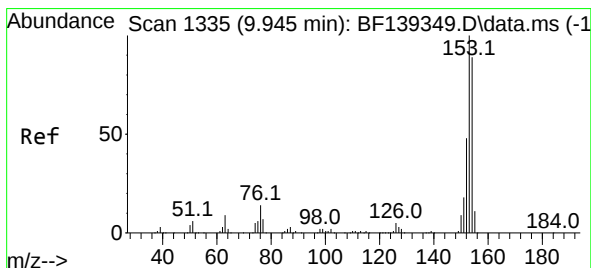
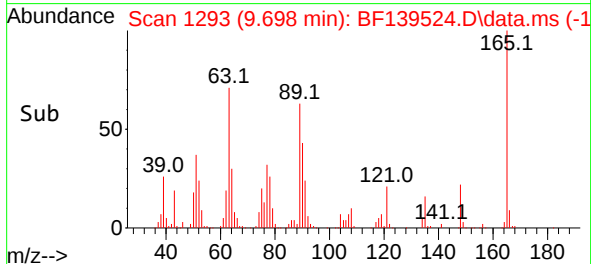
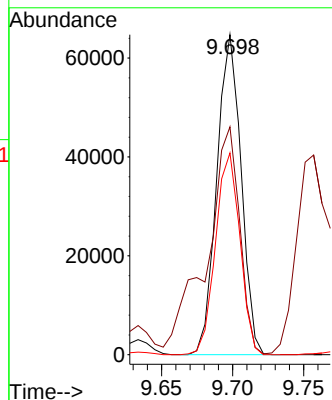
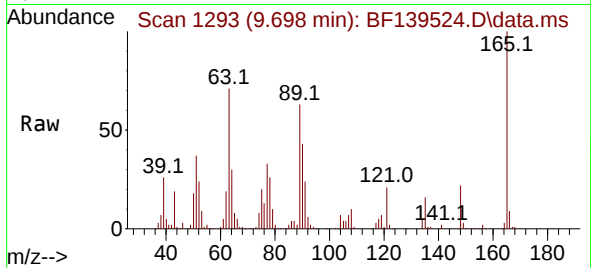
Tgt Ion:165 Resp: 76803

Ion Ratio Lower Upper

165 100

63 71.2 60.9 91.3

89 63.0 54.7 82.1



#52

Acenaphthene

Concen: 46.612 ng

RT: 9.945 min Scan# 1335

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

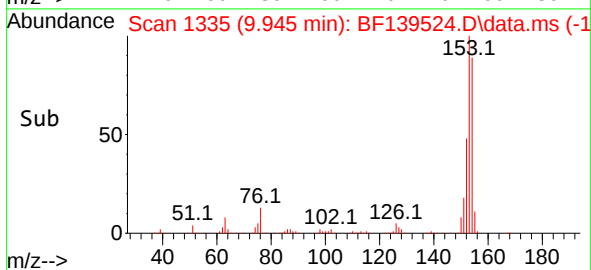
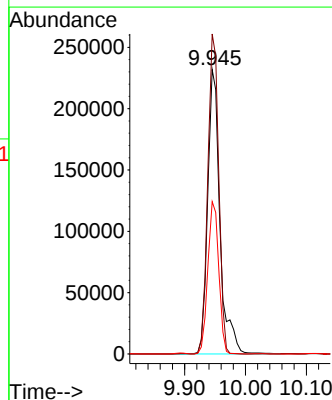
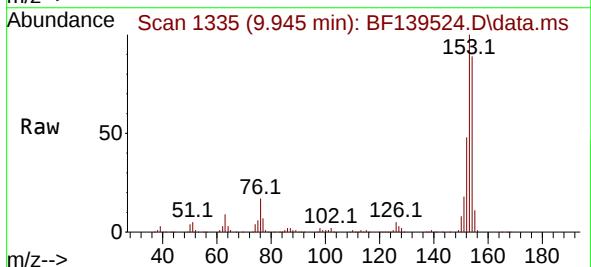
Tgt Ion:154 Resp: 325382

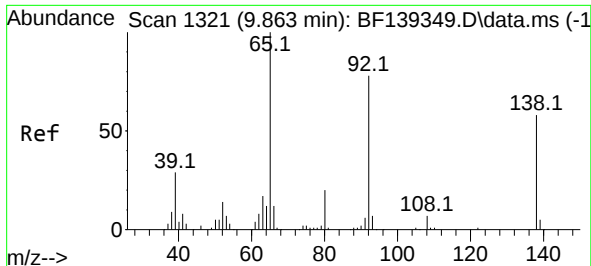
Ion Ratio Lower Upper

154 100

153 112.6 89.5 134.3

152 53.6 42.6 64.0

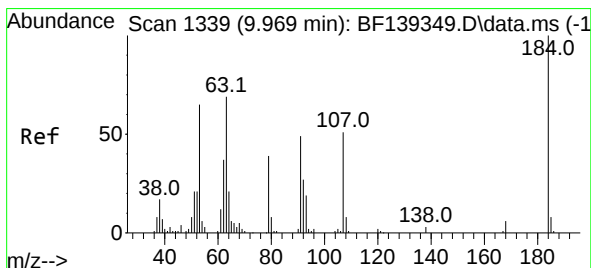
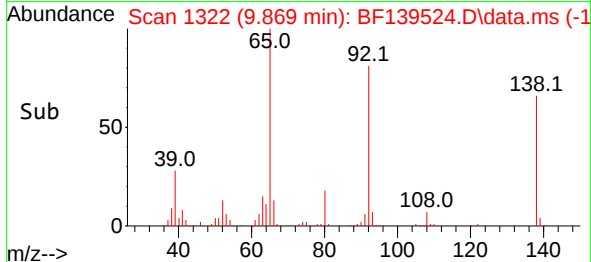
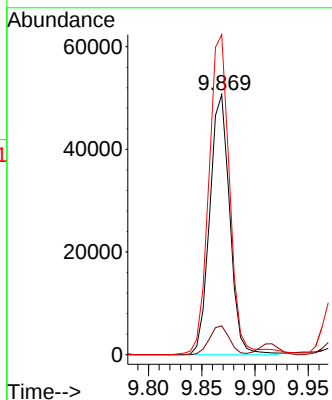
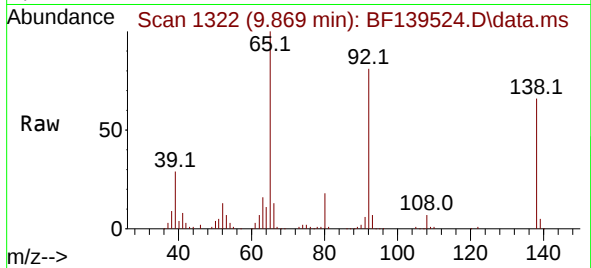




#53  
3-Nitroaniline  
Concen: 39.292 ng  
RT: 9.869 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

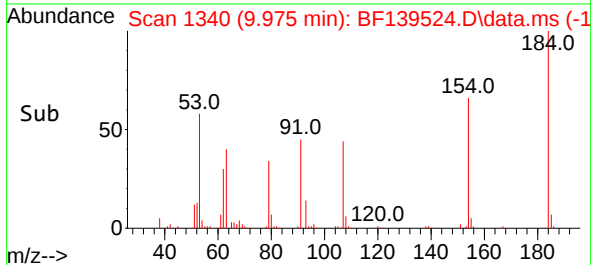
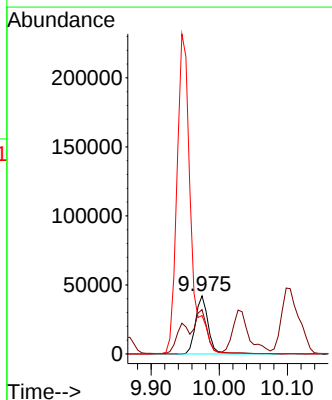
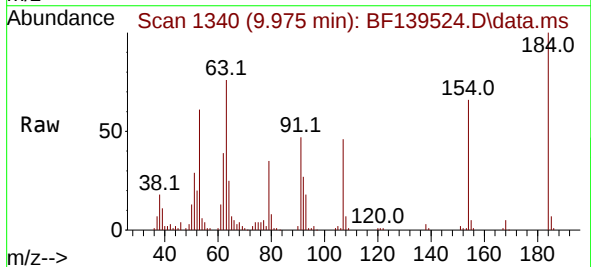
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

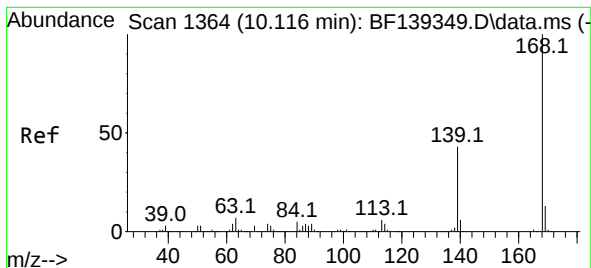
Tgt Ion:138 Resp: 65952  
Ion Ratio Lower Upper  
138 100  
108 11.1 9.8 14.8  
92 123.1 107.4 161.2



#54  
2,4-Dinitrophenol  
Concen: 58.497 ng  
RT: 9.975 min Scan# 1340  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:184 Resp: 54746  
Ion Ratio Lower Upper  
184 100  
63 76.3 69.3 103.9  
154 66.1 67.5 101.3#





#55

Dibenzenofuran

Concen: 46.886 ng

RT: 10.122 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

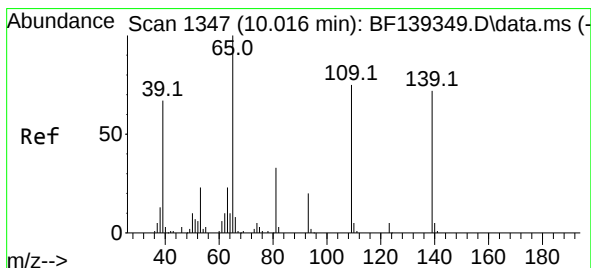
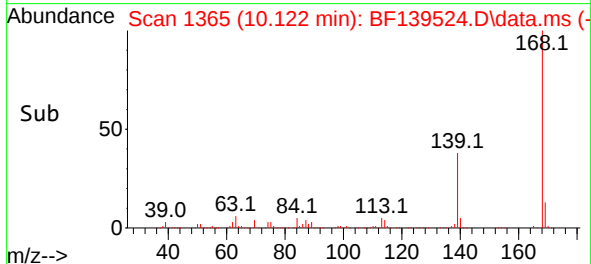
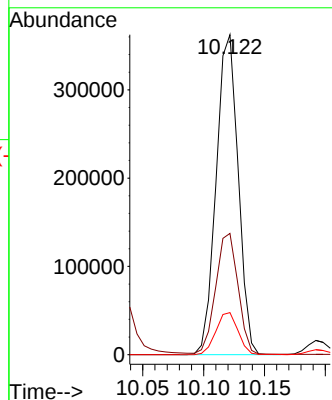
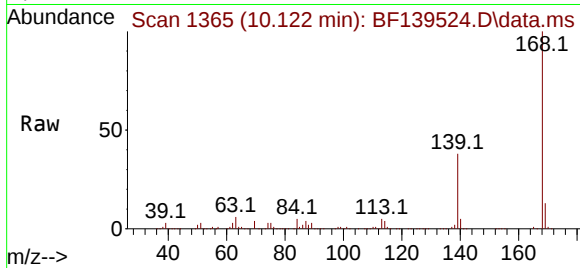
Tgt Ion:168 Resp: 456181

Ion Ratio Lower Upper

168 100

139 37.9 34.1 51.1

169 13.1 10.5 15.7



#56

4-Nitrophenol

Concen: 90.585 ng

RT: 10.033 min Scan# 1350

Delta R.T. 0.018 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

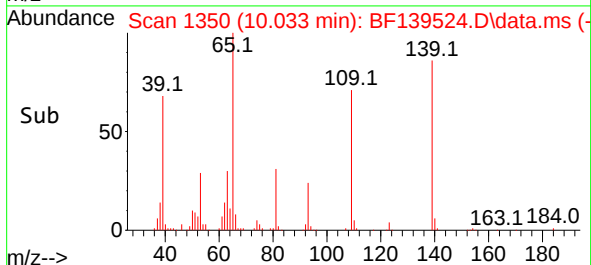
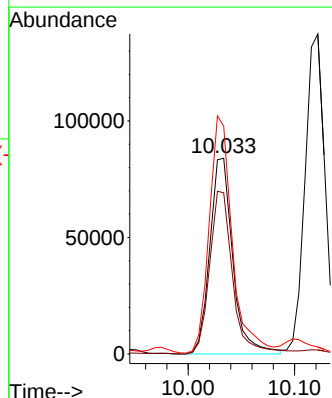
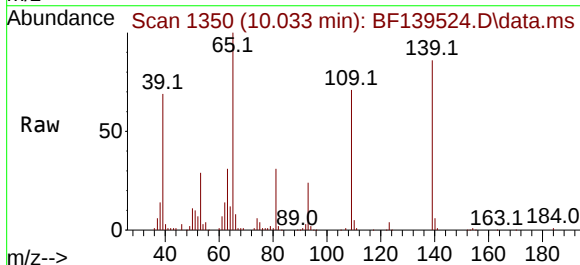
Tgt Ion:139 Resp: 125811

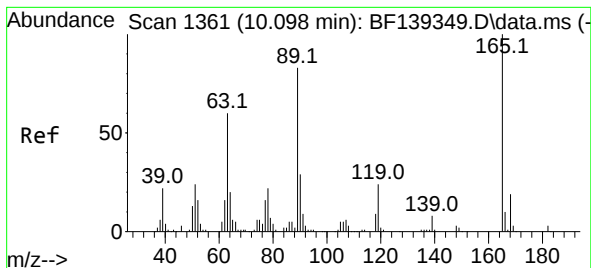
Ion Ratio Lower Upper

139 100

109 82.4 84.1 124.1#

65 116.3 120.0 160.0#

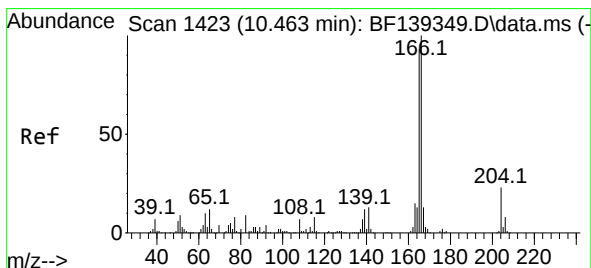
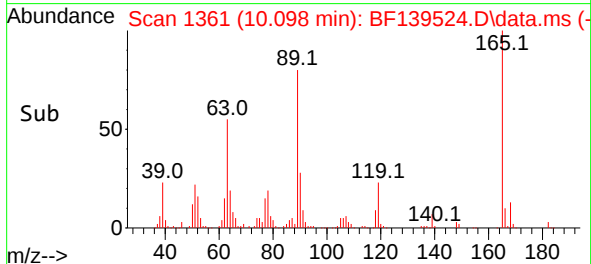
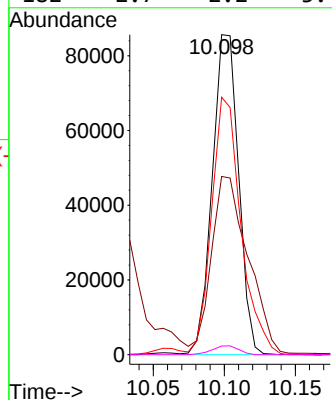
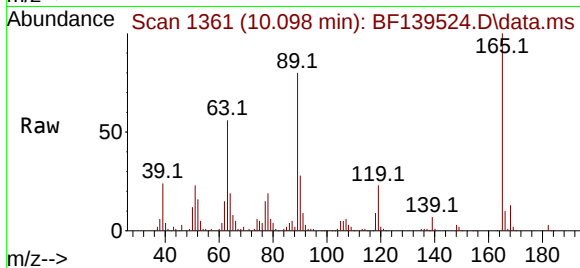




#57  
2,4-Dinitrotoluene  
Concen: 48.658 ng  
RT: 10.098 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

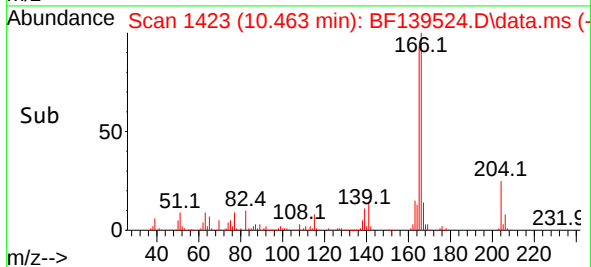
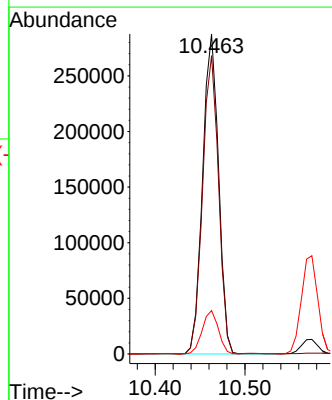
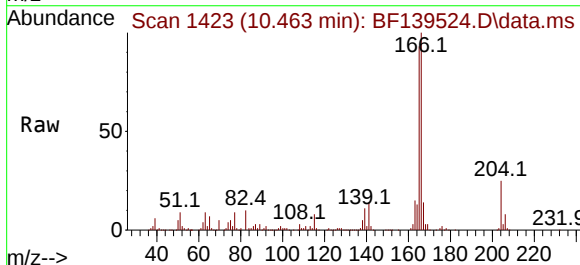
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

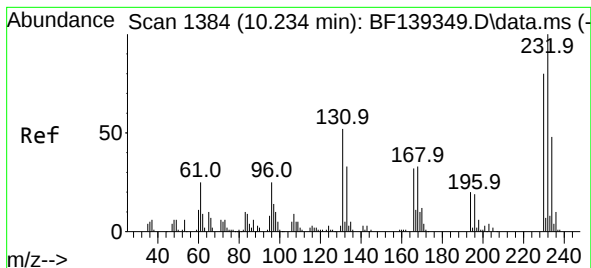
Tgt Ion:165 Resp: 110333  
Ion Ratio Lower Upper  
165 100  
63 55.7 47.8 71.6  
89 80.5 66.7 100.1  
182 2.7 2.2 3.4



#58  
Fluorene  
Concen: 44.721 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:166 Resp: 355017  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.5 111.7  
167 13.6 10.6 16.0

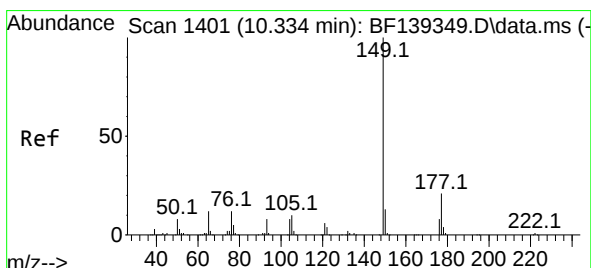
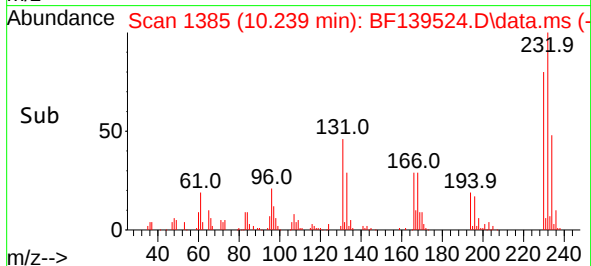
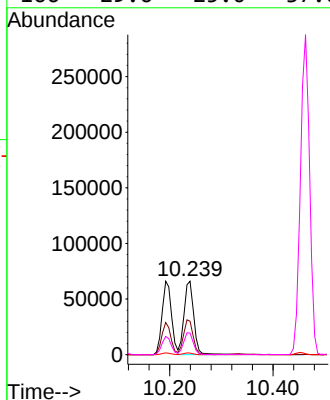
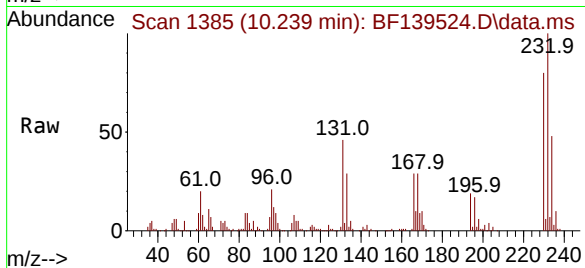




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.380 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

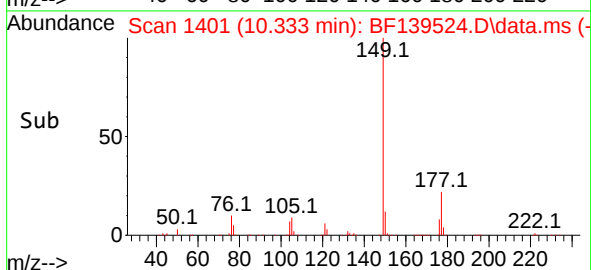
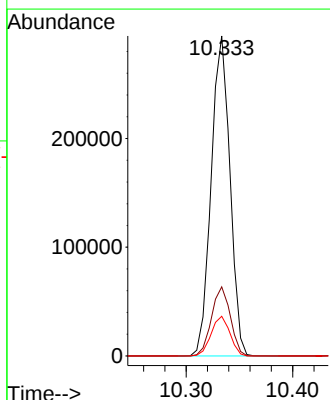
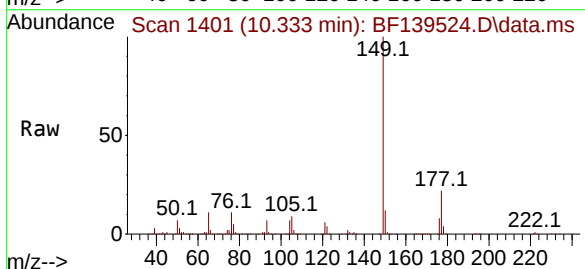
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

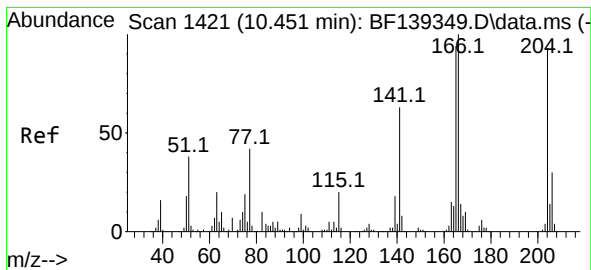
Tgt Ion:232 Resp: 86250  
Ion Ratio Lower Upper  
232 100  
131 46.8 40.7 61.1  
130 2.4 2.2 3.2  
166 29.6 25.0 37.6



#60  
Diethylphthalate  
Concen: 46.061 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:149 Resp: 360371  
Ion Ratio Lower Upper  
149 100  
177 21.6 16.6 24.8  
150 12.4 10.6 15.8

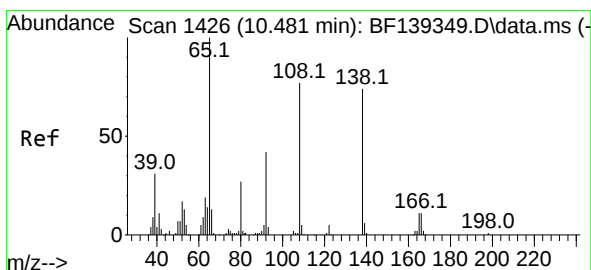
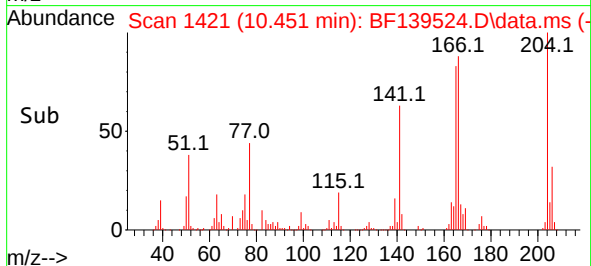
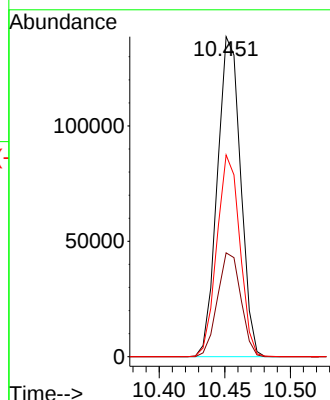
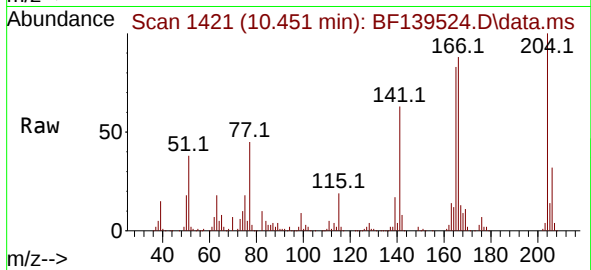




#61  
4-Chlorophenyl-phenylether  
Concen: 44.263 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

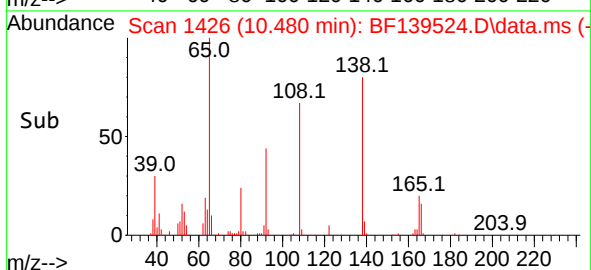
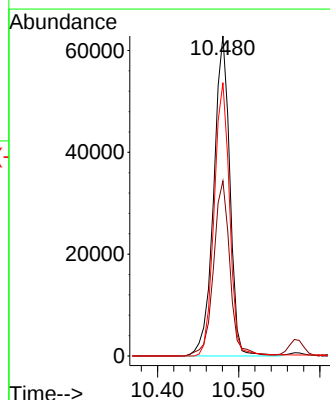
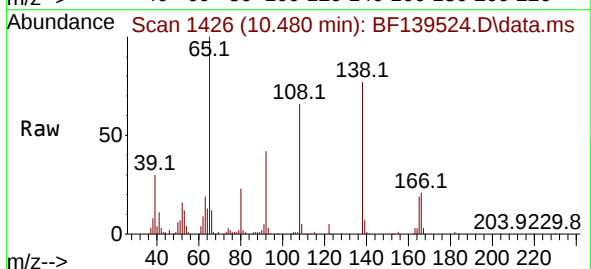
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

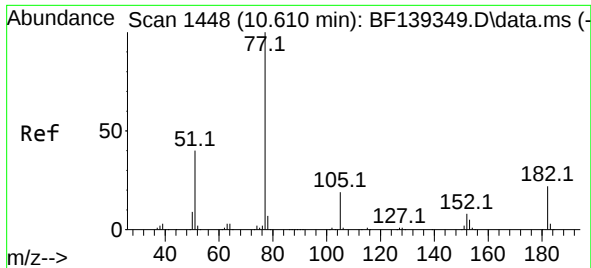
Tgt Ion:204 Resp: 170767  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.2 39.2  
141 63.1 53.9 80.9



#62  
4-Nitroaniline  
Concen: 47.495 ng  
RT: 10.480 min Scan# 1426  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:138 Resp: 87006  
Ion Ratio Lower Upper  
138 100  
92 54.7 37.0 77.0  
108 85.4 84.4 124.4

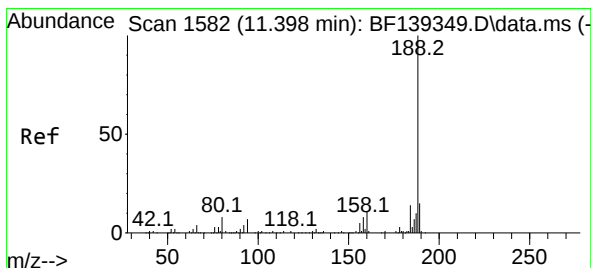
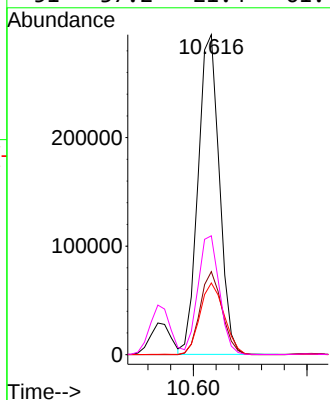
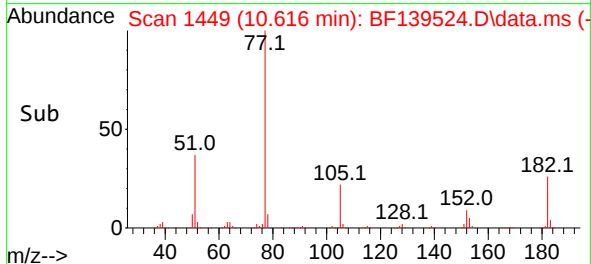
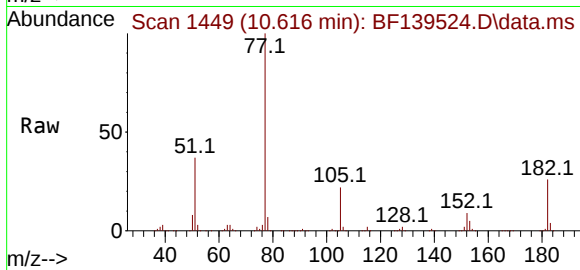




#63  
Azobenzene  
Concen: 49.742 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

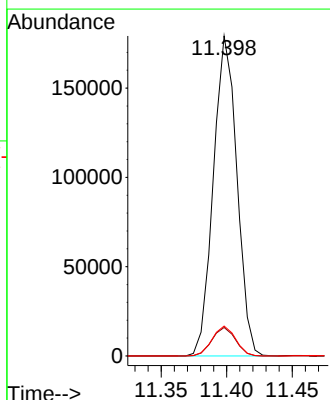
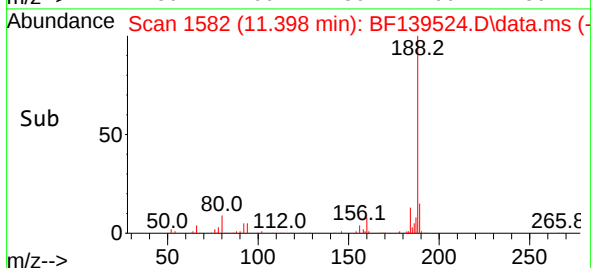
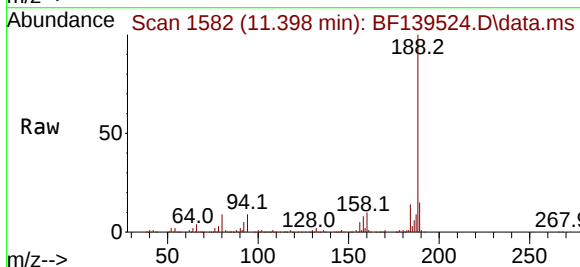
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

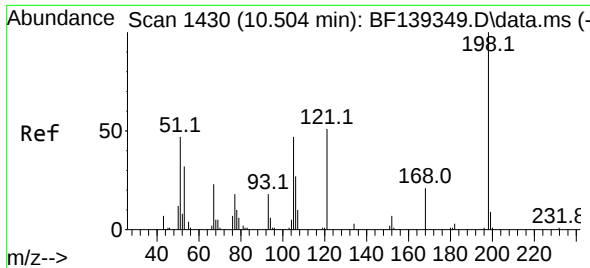
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 382769 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 26.0  | 1.8   | 41.8   |
| 105      | 22.4  | 0.0   | 38.6   |
| 51       | 37.2  | 21.4  | 61.4   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 223761 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.9   | 5.5   | 8.3#   |
| 80       | 9.4   | 6.6   | 9.8    |

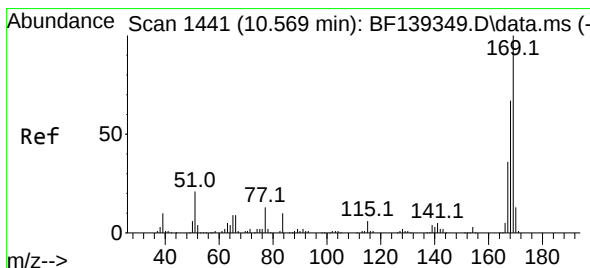
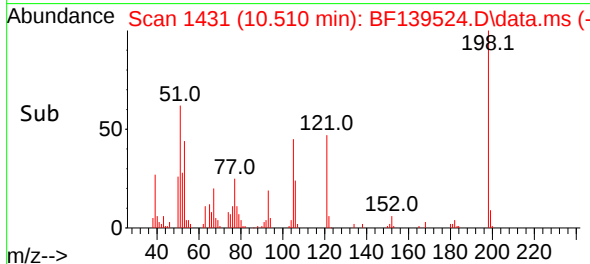
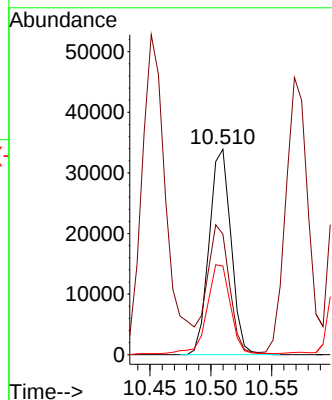
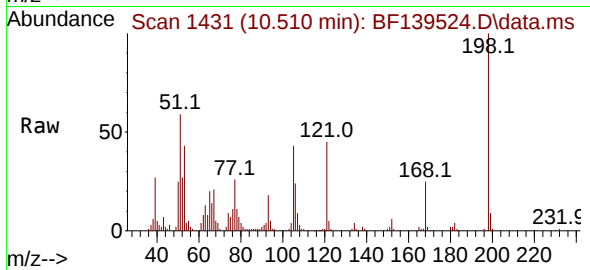




#65  
4,6-Dinitro-2-methylphenol  
Concen: 35.810 ng  
RT: 10.510 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

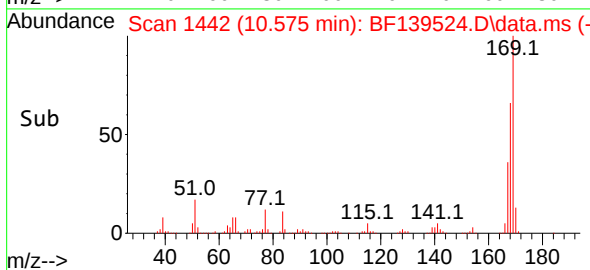
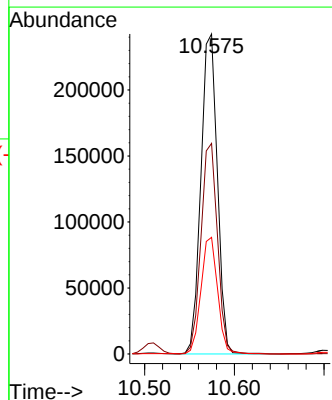
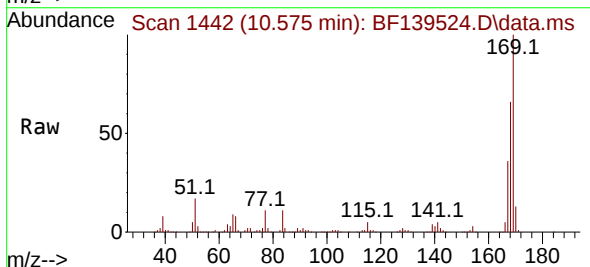
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

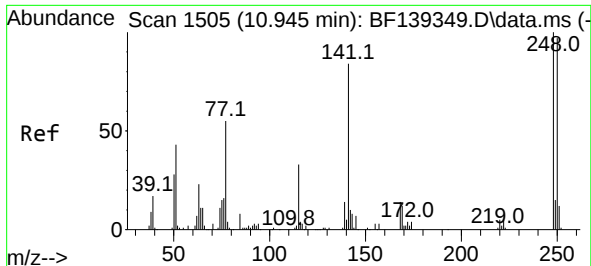
Tgt Ion:198 Resp: 42291  
Ion Ratio Lower Upper  
198 100  
51 58.7 50.4 90.4  
105 43.2 28.3 68.3



#66  
n-Nitrosodiphenylamine  
Concen: 47.230 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:169 Resp: 308980  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.6 80.4  
167 36.5 28.7 43.1

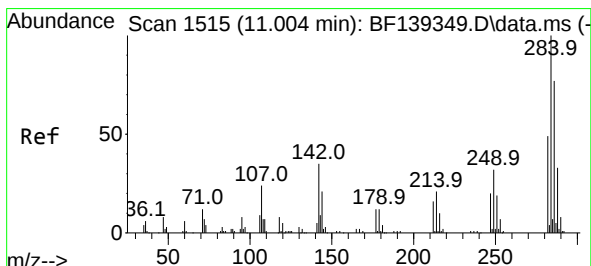
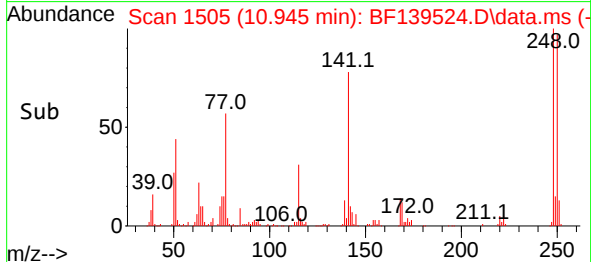
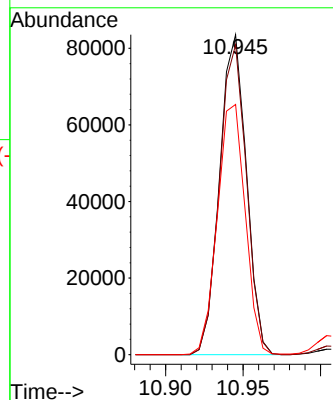
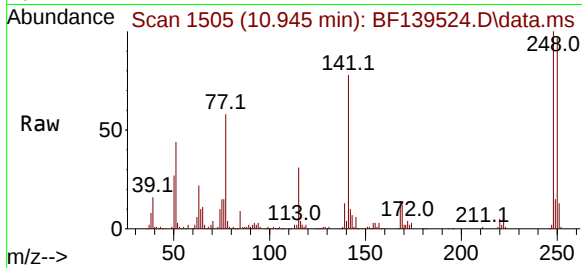




#67  
4-Bromophenyl-phenylether  
Concen: 45.470 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

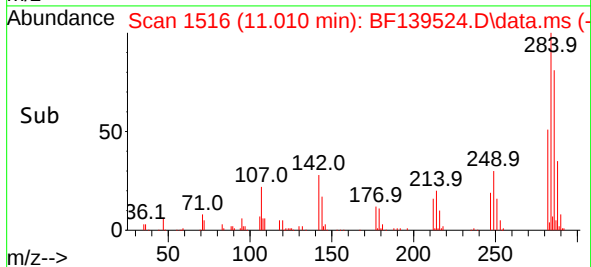
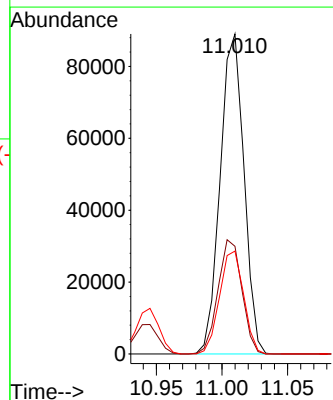
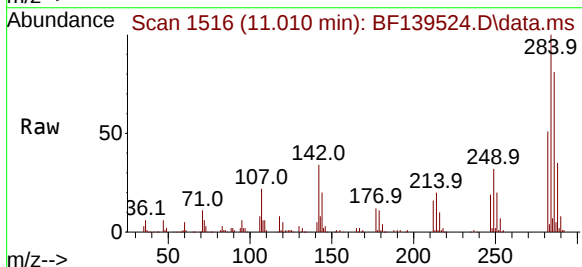
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

Tgt Ion:248 Resp: 100826  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.6 116.4  
141 78.2 66.9 100.3



#68  
Hexachlorobenzene  
Concen: 43.102 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:284 Resp: 112169  
Ion Ratio Lower Upper  
284 100  
142 33.6 28.0 42.0  
249 32.2 25.3 37.9





#69

Atrazine

Concen: 63.605 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

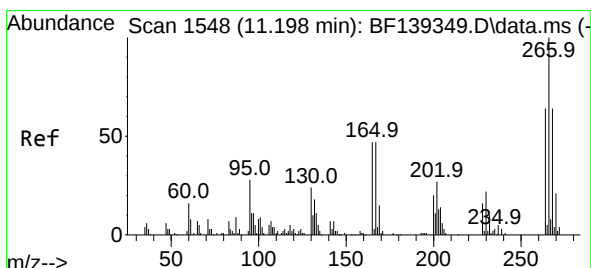
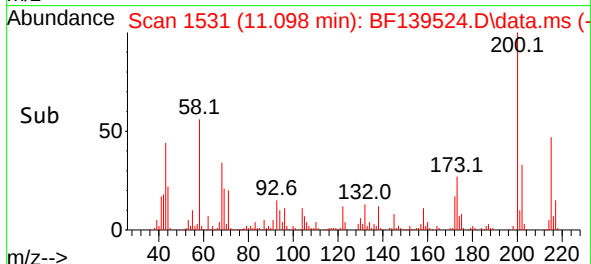
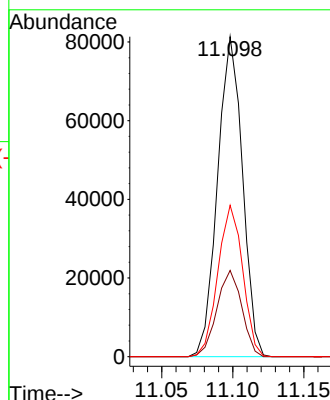
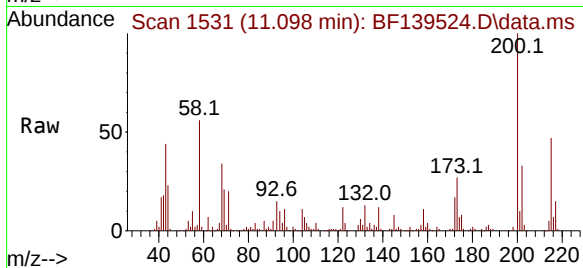
Tgt Ion:200 Resp: 99061

Ion Ratio Lower Upper

200 100

173 27.0 6.1 46.1

215 47.3 28.2 68.2



#70

Pentachlorophenol

Concen: 66.615 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

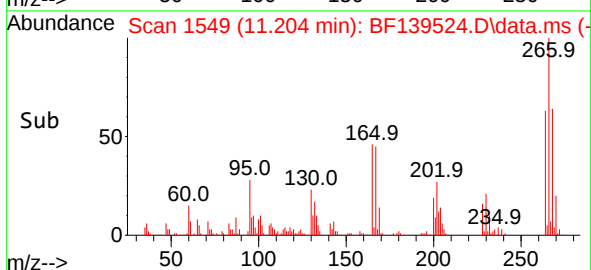
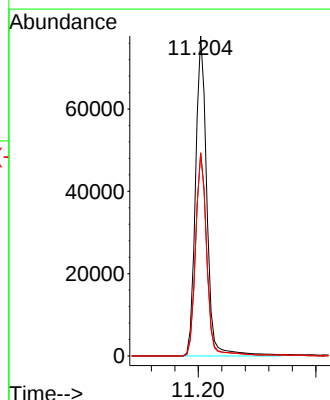
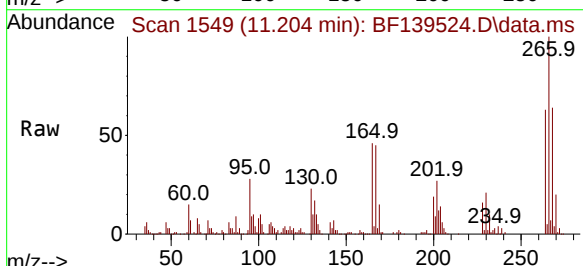
Tgt Ion:266 Resp: 104023

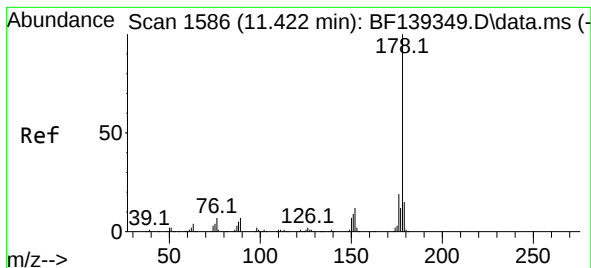
Ion Ratio Lower Upper

266 100

268 63.5 51.1 76.7

264 63.3 51.4 77.0





#71

Phenanthrene

Concen: 49.115 ng

RT: 11.422 min Scan# 1586

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

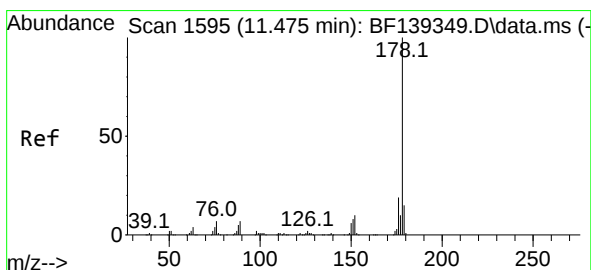
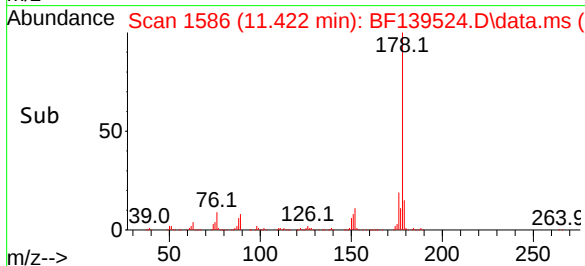
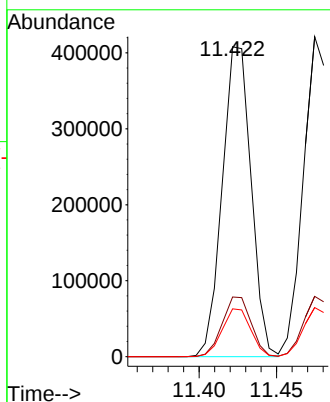
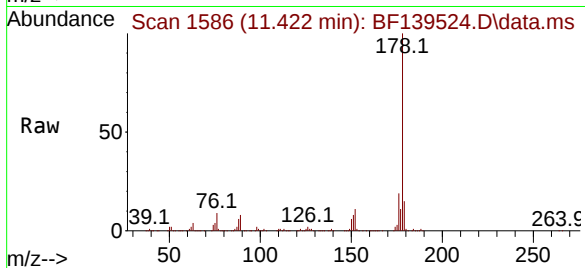
Tgt Ion:178 Resp: 530221

Ion Ratio Lower Upper

178 100

176 19.2 15.2 22.8

179 15.4 12.2 18.4



#72

Anthracene

Concen: 49.712 ng

RT: 11.475 min Scan# 1595

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

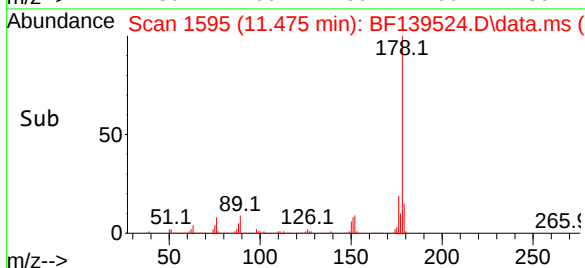
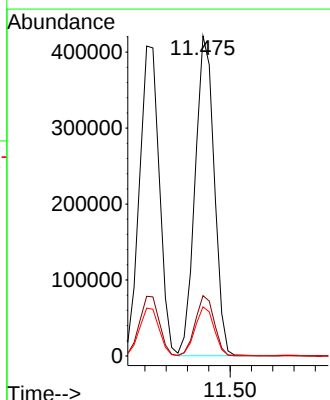
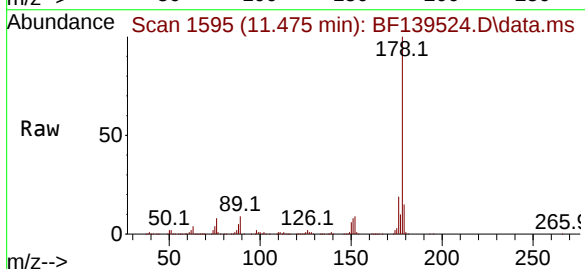
Tgt Ion:178 Resp: 524710

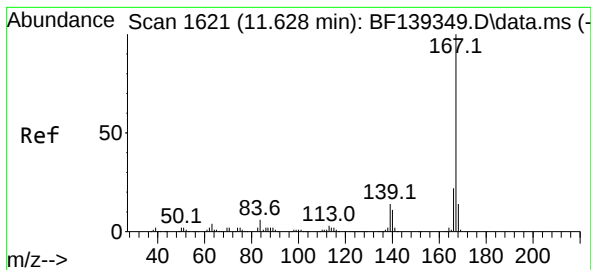
Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.3 12.0 18.0





#73

Carbazole

Concen: 47.177 ng

RT: 11.633 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

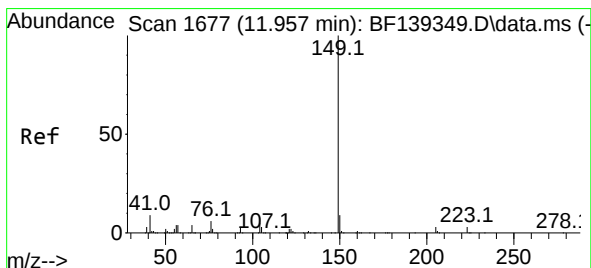
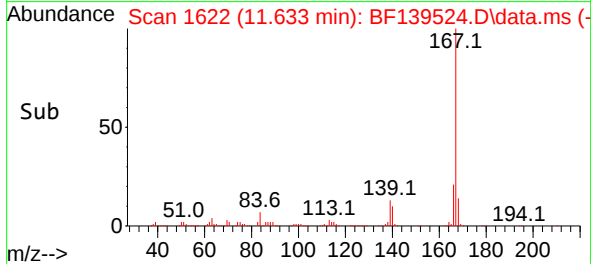
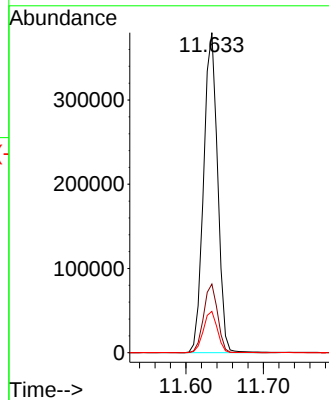
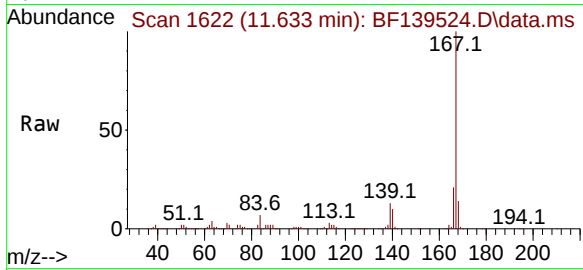
Tgt Ion:167 Resp: 476590

Ion Ratio Lower Upper

167 100

166 21.4 17.5 26.3

139 12.9 10.9 16.3



#74

Di-n-butylphthalate

Concen: 48.727 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

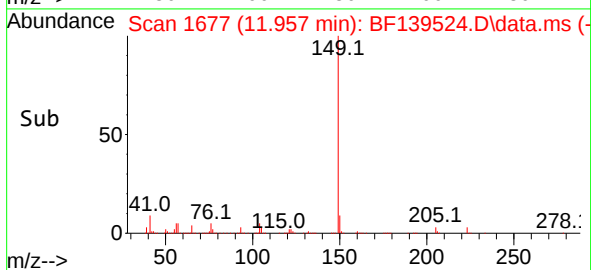
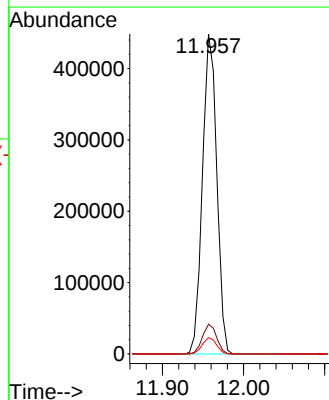
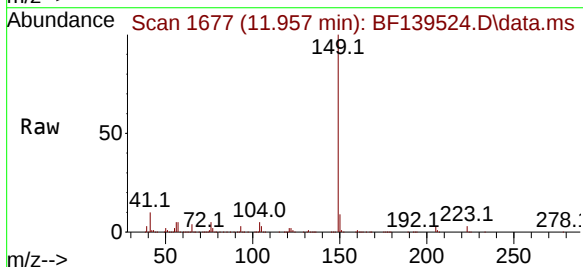
Tgt Ion:149 Resp: 548349

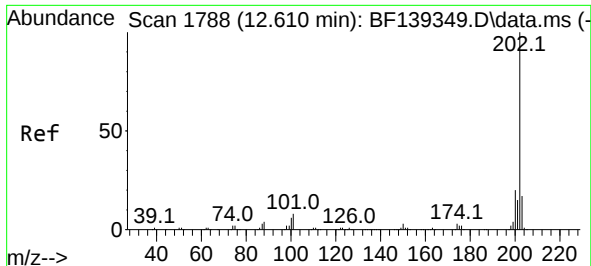
Ion Ratio Lower Upper

149 100

150 9.3 7.3 10.9

104 5.1 4.3 6.5

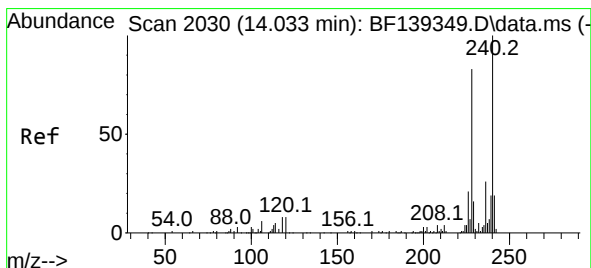
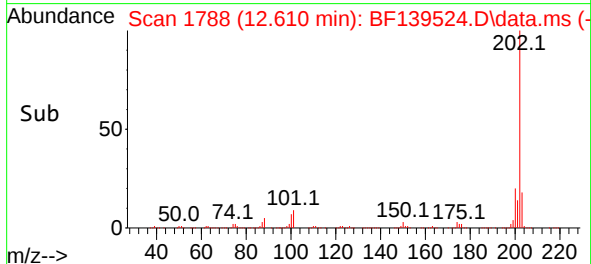
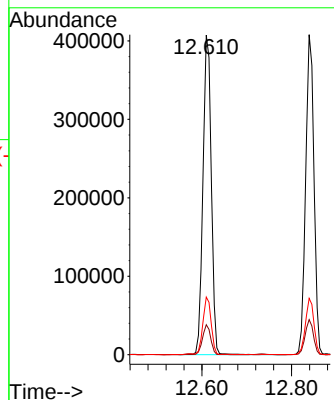
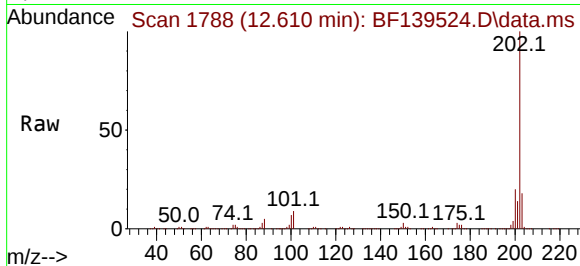




#75  
Fluoranthene  
Concen: 45.524 ng  
RT: 12.610 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

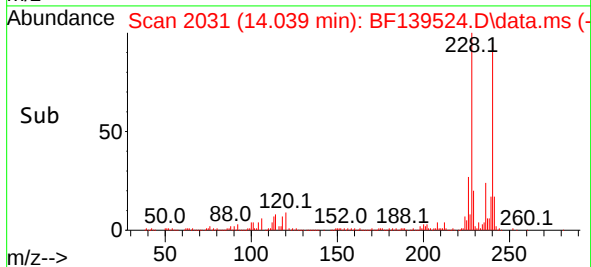
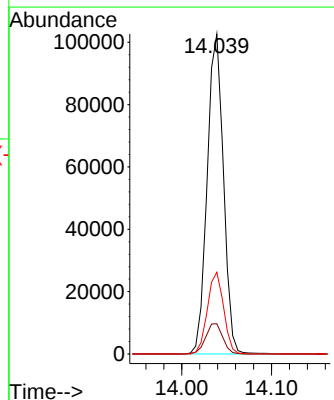
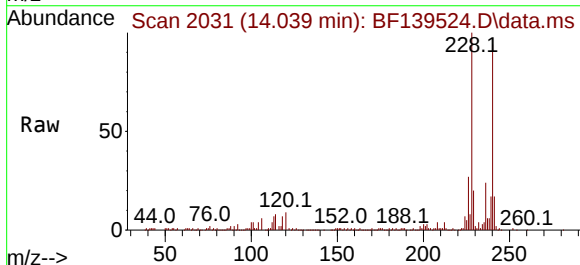
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

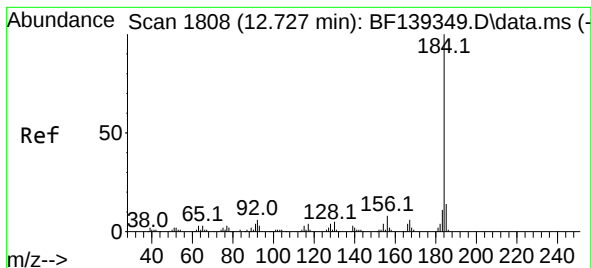
Tgt Ion:202 Resp: 524839  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 27.7  
203 18.0 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:240 Resp: 129176  
Ion Ratio Lower Upper  
240 100  
120 9.4 6.2 9.2#  
236 25.6 20.9 31.3





#77

Benzidine

Concen: 85.307 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

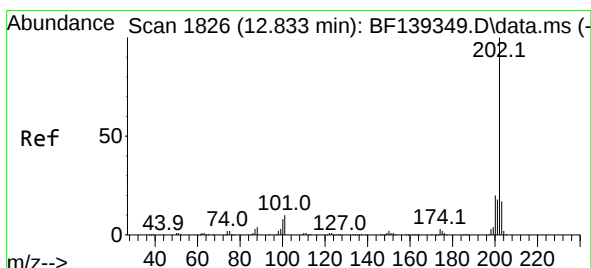
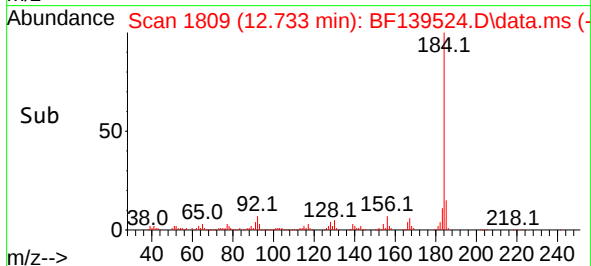
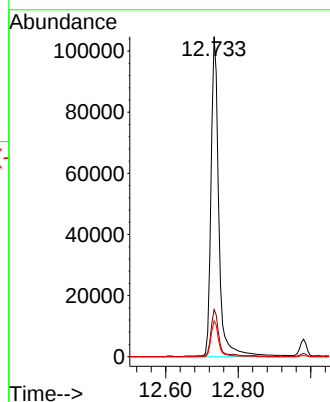
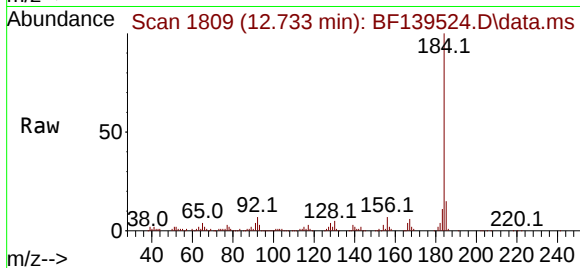
Tgt Ion:184 Resp: 157879

Ion Ratio Lower Upper

184 100

185 14.7 11.5 17.3

183 11.2 8.9 13.3



#78

Pyrene

Concen: 47.423 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

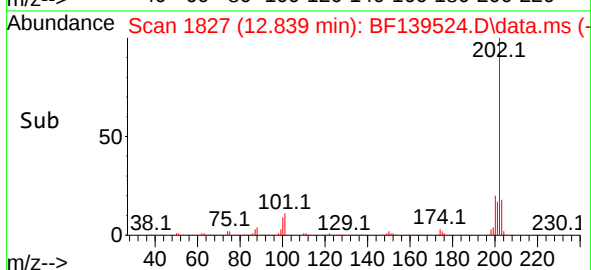
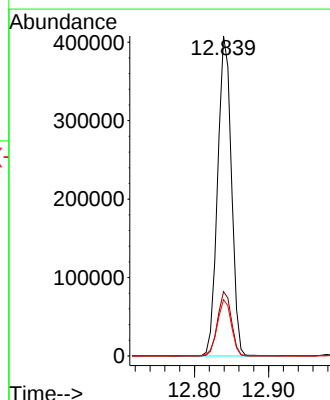
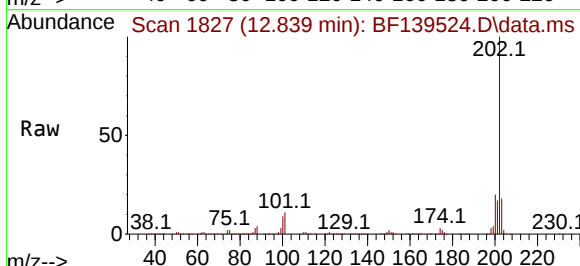
Tgt Ion:202 Resp: 525997

Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 17.6 13.9 20.9





#79

Terphenyl-d14

Concen: 56.261 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139524.D

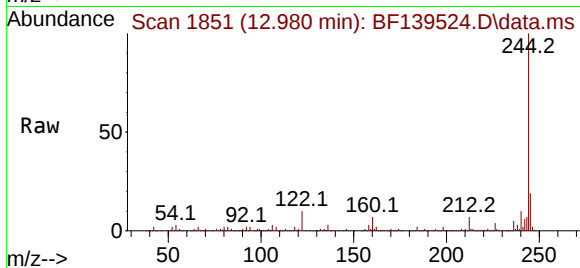
Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD



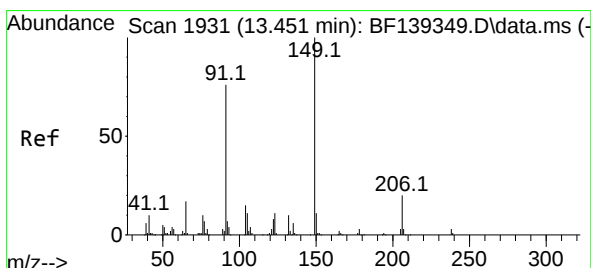
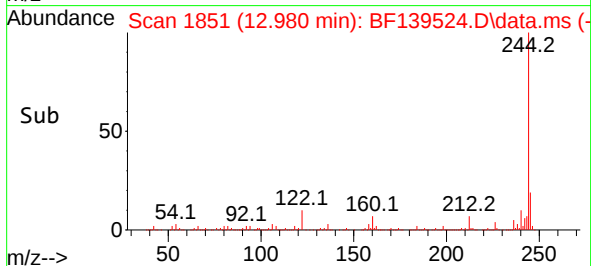
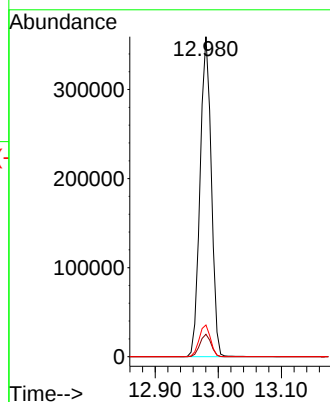
Tgt Ion:244 Resp: 442766

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 9.9 7.6 11.4



#80

Butylbenzylphthalate

Concen: 49.469 ng

RT: 13.457 min Scan# 1932

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

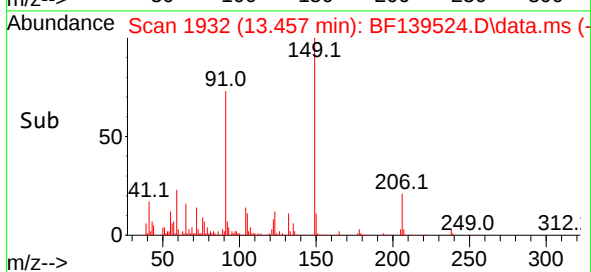
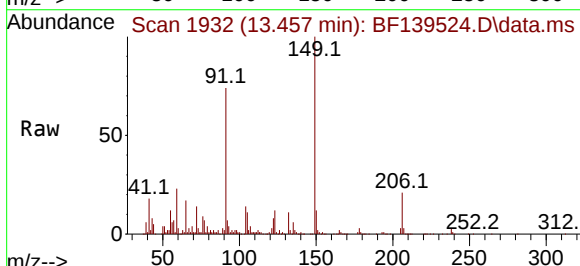
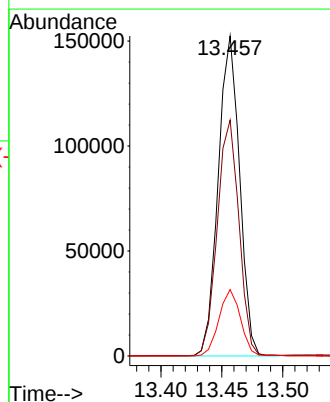
Tgt Ion:149 Resp: 186761

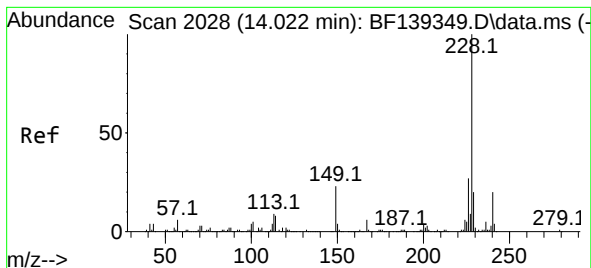
Ion Ratio Lower Upper

149 100

91 73.7 60.9 91.3

206 20.7 15.8 23.8





#81

Benzo(a)anthracene

Concen: 47.548 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

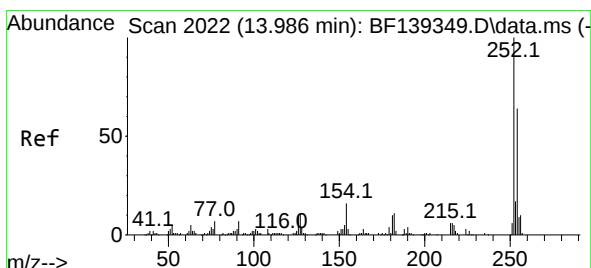
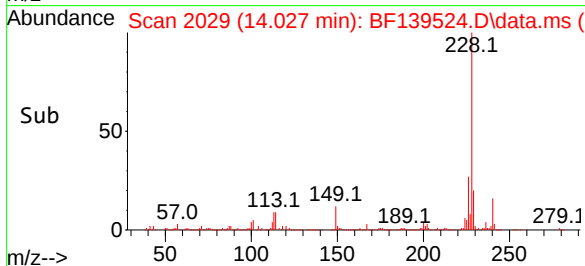
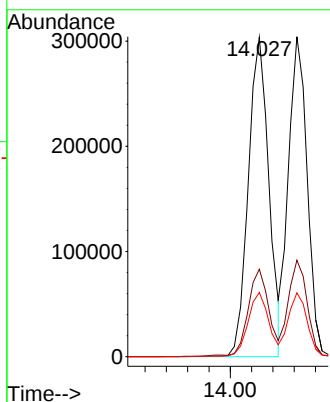
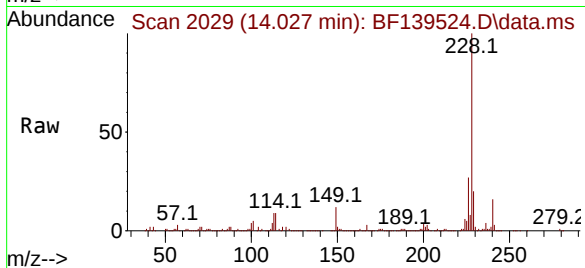
Tgt Ion:228 Resp: 406851

Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 39.612 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

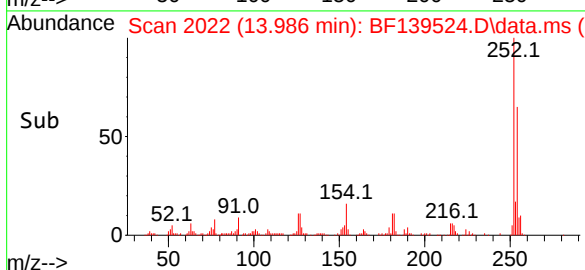
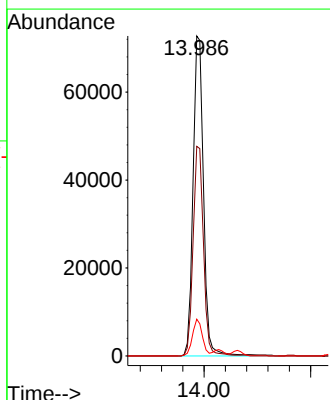
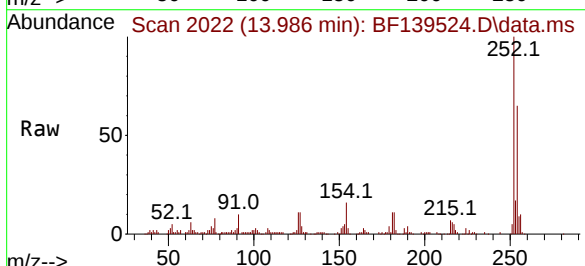
Tgt Ion:252 Resp: 99259

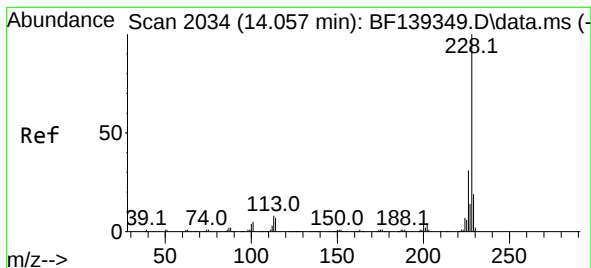
Ion Ratio Lower Upper

252 100

254 65.5 51.4 77.2

126 11.5 7.7 11.5





#83

Chrysene

Concen: 47.252 ng

RT: 14.063 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

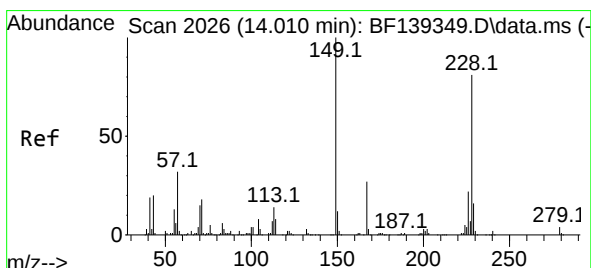
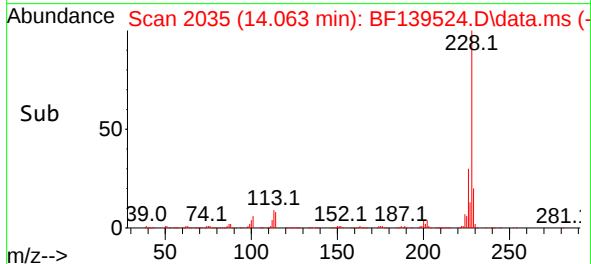
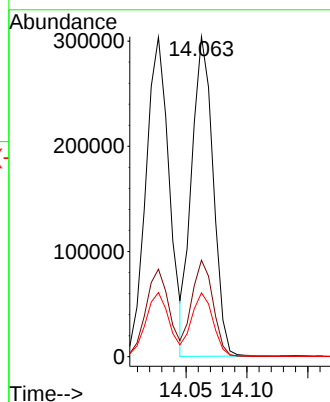
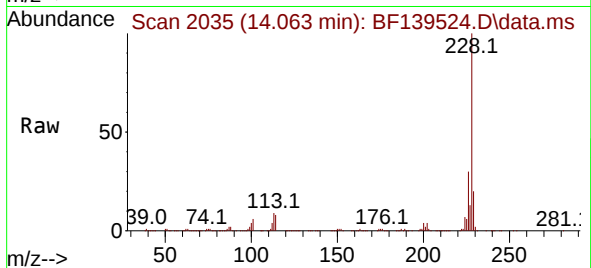
Tgt Ion:228 Resp: 371973

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

229 20.0 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.272 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

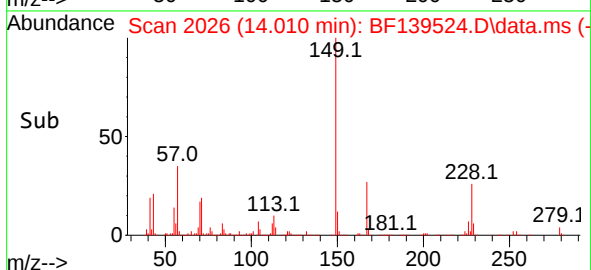
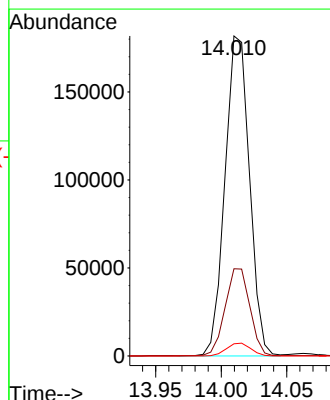
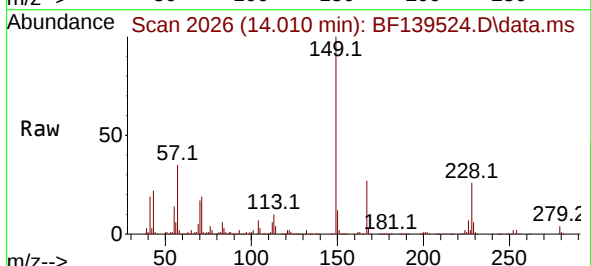
Tgt Ion:149 Resp: 236641

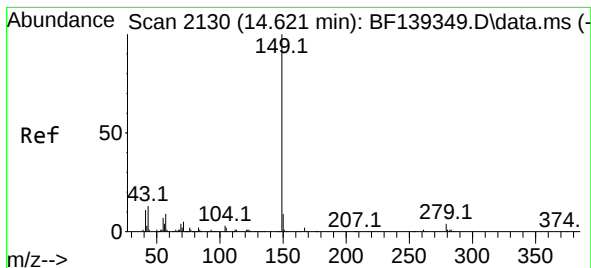
Ion Ratio Lower Upper

149 100

167 27.3 21.6 32.4

279 3.8 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 54.600 ng

RT: 14.627 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

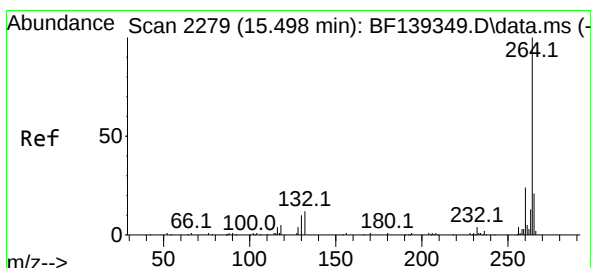
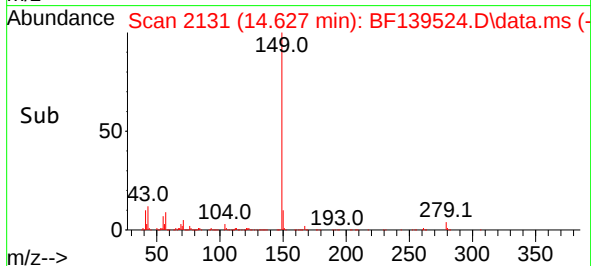
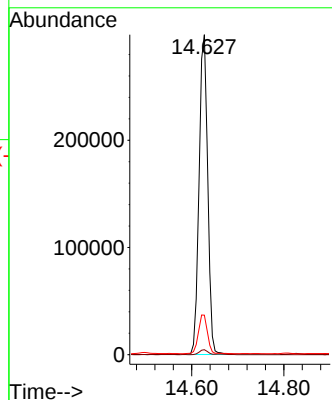
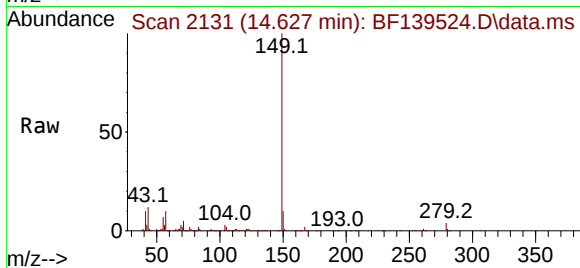
Tgt Ion:149 Resp: 386182

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 12.7 10.6 16.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. 0.006 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

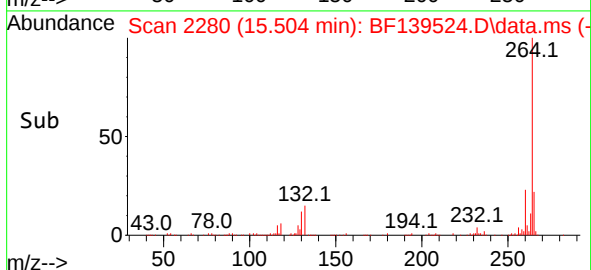
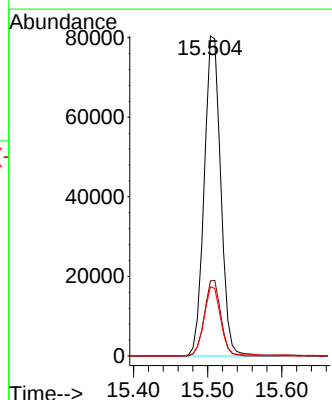
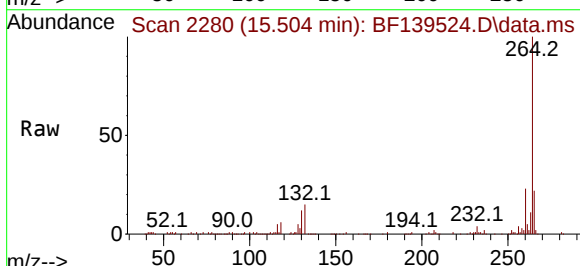
Tgt Ion:264 Resp: 124848

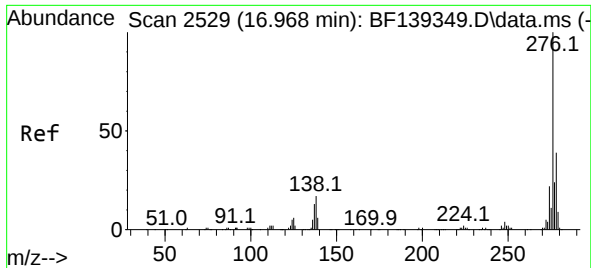
Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.6 16.6 25.0

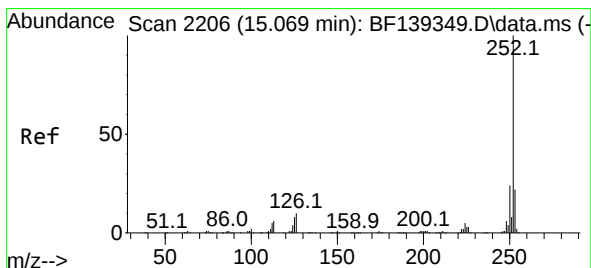
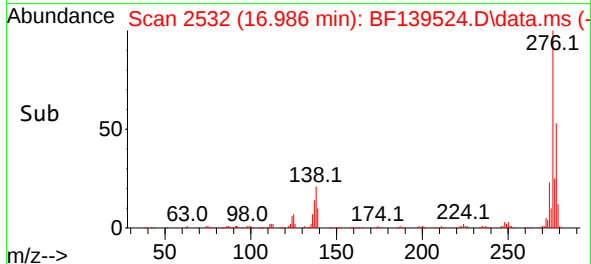
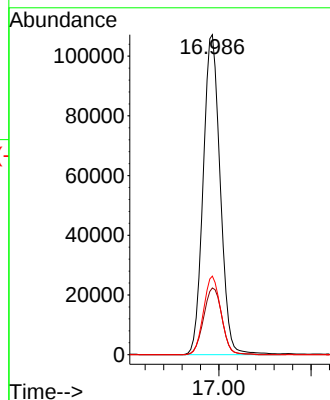
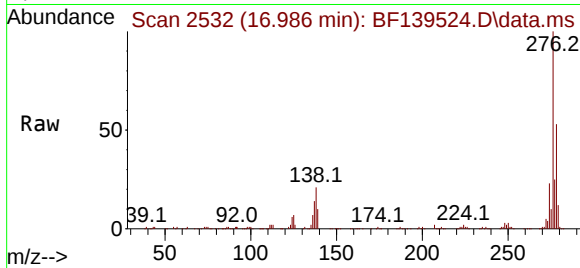




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.230 ng  
 RT: 16.986 min Scan# 21  
 Delta R.T. 0.018 min  
 Lab File: BF139524.D  
 Acq: 24 Sep 2024 17:07

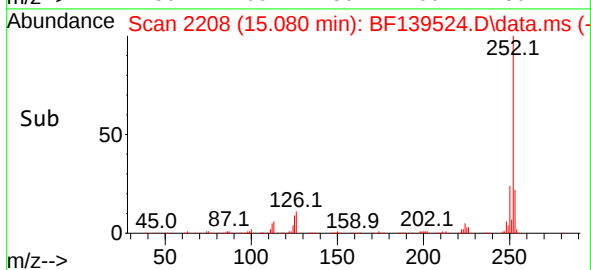
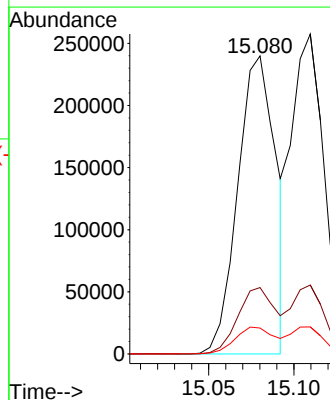
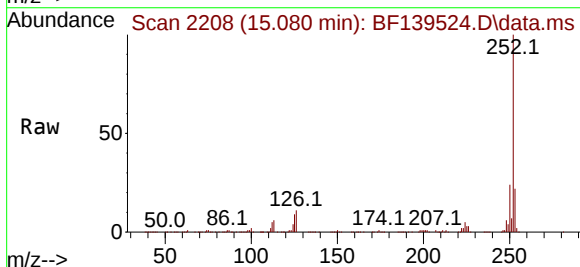
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-8MSD

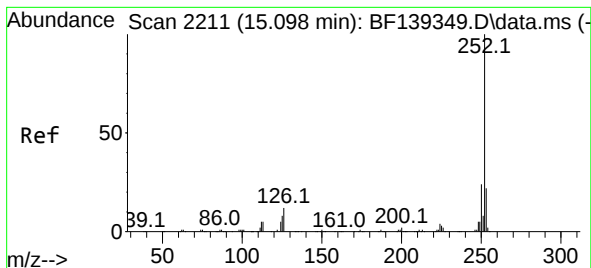
Tgt Ion:276 Resp: 276388  
 Ion Ratio Lower Upper  
 276 100  
 138 22.5 15.4 23.2  
 277 25.0 20.4 30.6



#88  
 Benzo(b)fluoranthene  
 Concen: 48.281 ng  
 RT: 15.080 min Scan# 2208  
 Delta R.T. 0.012 min  
 Lab File: BF139524.D  
 Acq: 24 Sep 2024 17:07

Tgt Ion:252 Resp: 371759  
 Ion Ratio Lower Upper  
 252 100  
 253 22.3 17.6 26.4  
 125 8.7 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 48.134 ng

RT: 15.110 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

Instrument :

BNA\_F

ClientSampleId :

COMP-8MSD

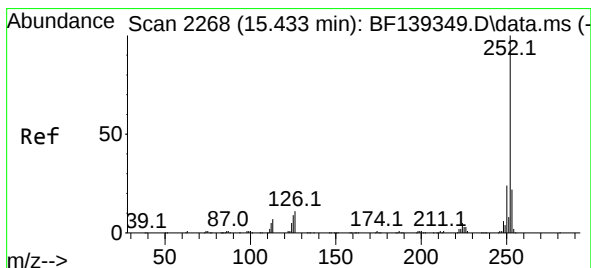
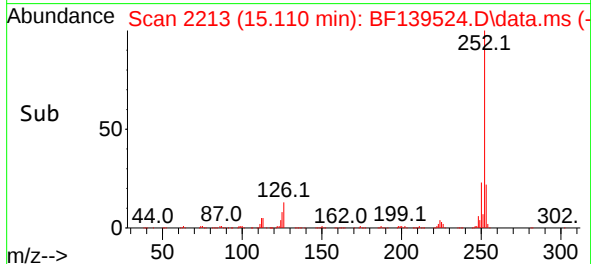
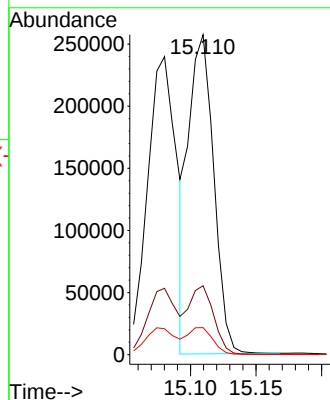
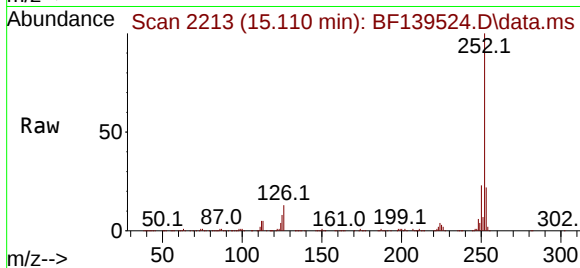
Tgt Ion:252 Resp: 341724

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 8.5 5.9 8.9



#90

Benzo(a)pyrene

Concen: 51.381 ng

RT: 15.445 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF139524.D

Acq: 24 Sep 2024 17:07

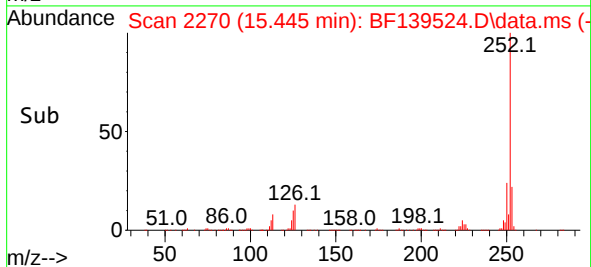
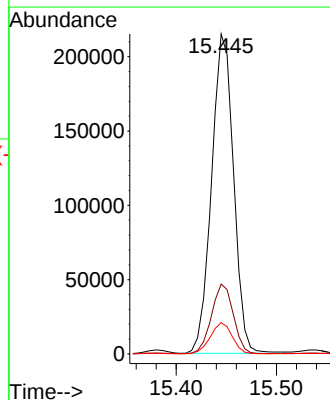
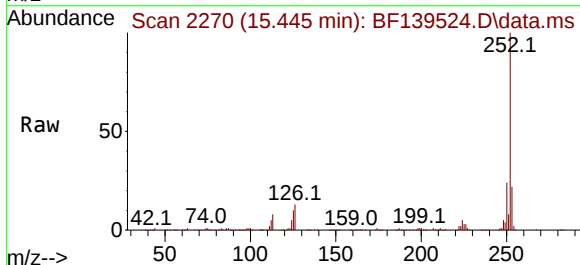
Tgt Ion:252 Resp: 328112

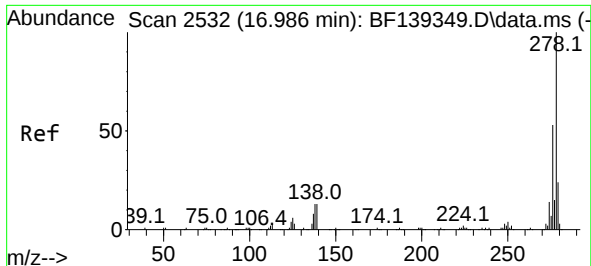
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.8 6.8 10.2

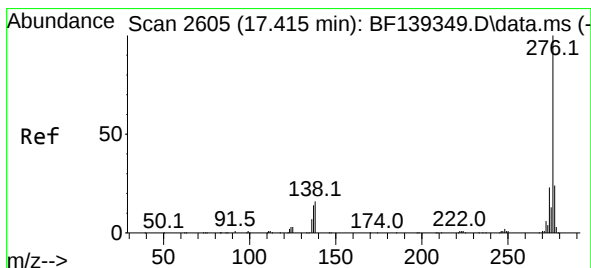
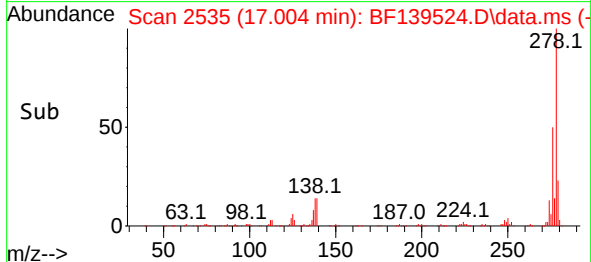
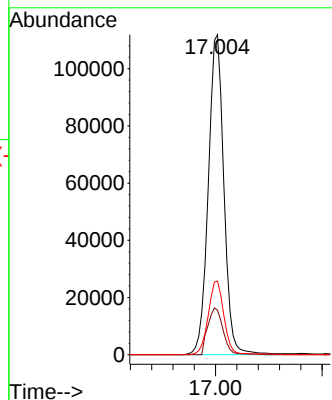
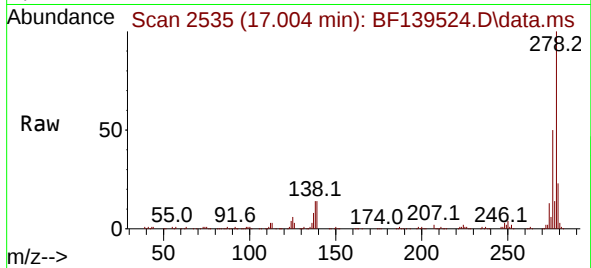




#91  
Dibenzo(a,h)anthracene  
Concen: 37.050 ng  
RT: 17.004 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-8MSD

Tgt Ion:278 Resp: 227286  
Ion Ratio Lower Upper  
278 100  
139 13.9 10.2 15.2  
279 23.0 18.9 28.3



#92  
Benzo(g,h,i)perylene  
Concen: 31.519 ng  
RT: 17.427 min Scan# 2607  
Delta R.T. 0.012 min  
Lab File: BF139524.D  
Acq: 24 Sep 2024 17:07

Tgt Ion:276 Resp: 191446  
Ion Ratio Lower Upper  
276 100  
277 23.1 18.9 28.3  
138 19.7 13.0 19.6#

