

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062223\  
 Data File : BF133895.D  
 Acq On : 22 Jun 2023 11:47  
 Operator : CG\JU  
 Sample : 03229-02MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-402-COMP-09MSD

Quant Time: Jun 23 02:26:45 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF060923.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 23 02:21:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 96565    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.139  | 136  | 363129   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.898  | 164  | 187199   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 366896   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 228057   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.557 | 264  | 240459   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 674608   | 121.620 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.504  | 99   | 761983   | 105.536 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.422  | 82   | 618015   | 92.698  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 305628   | 128.978 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.216  | 172  | 1140999  | 86.643  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1317472  | 89.389  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.810  | 88   | 95476    | 39.152  | ng    | # 81     |
| 3) Pyridine                   | 3.551  | 79   | 179612   | 25.270  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.487  | 42   | 170116   | 43.298  | ng    | 97       |
| 6) Aniline                    | 6.528  | 93   | 158215   | 17.398  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.651  | 128  | 289552   | 49.534  | ng    | 94       |
| 9) Benzaldehyde               | 6.416  | 77   | 80982    | 16.906  | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 301056   | 39.932  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 282449   | 50.464  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.804  | 146  | 307604   | 49.251  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 312284   | 49.471  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 299879   | 52.574  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 262598   | 46.567  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.134  | 45   | 476948   | 50.269  | ng    | 98       |
| 17) 2-Methylphenol            | 7.116  | 107  | 230665   | 44.520  | ng    | 99       |
| 18) Hexachloroethane          | 7.369  | 117  | 117729   | 54.477  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.275  | 70   | 214263   | 46.642  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.269  | 107  | 277031   | 41.102  | ng    | # 79     |
| 22) Acetophenone              | 7.269  | 105  | 412567   | 49.536  | ng    | 95       |
| 24) Nitrobenzene              | 7.445  | 77   | 323259   | 48.152  | ng    | 97       |
| 25) Isophorone                | 7.681  | 82   | 586484   | 47.916  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.757  | 139  | 160101   | 53.140  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 255235   | 49.151  | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 345847   | 48.889  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.998  | 162  | 252611   | 49.634  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.081  | 180  | 265130   | 49.930  | ng    | 97       |
| 31) Naphthalene               | 8.163  | 128  | 836234   | 47.267  | ng    | 100      |
| 32) Benzoic acid              | 7.922  | 122  | 174265   | 53.209  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 56737    | 7.500   | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.275  | 225  | 165271   | 47.538  | ng    | 97       |
| 35) Caprolactam               | 8.586  | 113  | 44635    | 26.063  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 8.698  | 107  | 282137   | 48.094  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.851  | 142  | 572360   | 46.562  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.951  | 142  | 534180   | 47.225  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 9.022  | 216  | 268879   | 47.246  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.004  | 237  | 320394   | 126.333 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.133  | 196  | 181998   | 47.857  | ng    | 98       |

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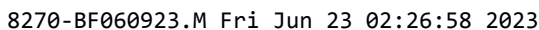
Instrument :  
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 ClientSampleId :  
 OR-402-COMP-09MSD

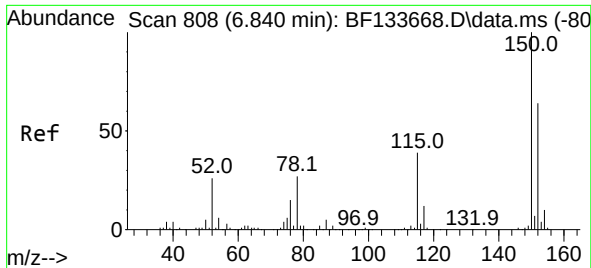
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 QLast Update : Fri Jun 23 02:21:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.181  | 196  | 199487   | 45.089  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.322  | 154  | 726193   | 48.099  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.345  | 162  | 531697   | 49.095  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.445  | 65   | 188664   | 47.633  | ng    | 99       |
| 49) Acenaphthylene            | 9.763  | 152  | 885805   | 46.993  | ng    | 100      |
| 50) Dimethylphthalate         | 9.622  | 163  | 656422   | 46.978  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.686  | 165  | 143790   | 49.856  | ng    | # 82     |
| 52) Acenaphthene              | 9.933  | 154  | 521066   | 47.227  | ng    | 100      |
| 53) 3-Nitroaniline            | 9.857  | 138  | 100200   | 28.549  | ng    | 93       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 172291   | 119.228 | ng    | 98       |
| 55) Dibenzofuran              | 10.110 | 168  | 800838   | 47.568  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.028 | 139  | 215714   | 91.067  | ng    | 82       |
| 57) 2,4-Dinitrotoluene        | 10.092 | 165  | 191148   | 52.112  | ng    | 95       |
| 58) Fluorene                  | 10.451 | 166  | 628081   | 48.784  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.228 | 232  | 173054   | 52.244  | ng    | 98       |
| 60) Diethylphthalate          | 10.328 | 149  | 684690   | 48.146  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 300027   | 47.204  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.475 | 138  | 154572   | 44.917  | ng    | 96       |
| 63) Azobenzene                | 10.604 | 77   | 639743   | 47.520  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 108630   | 61.961  | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 557602   | 45.245  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 188096   | 45.933  | ng    | 98       |
| 68) Hexachlorobenzene         | 10.998 | 284  | 212542   | 49.356  | ng    | 98       |
| 69) Atrazine                  | 11.098 | 200  | 184453   | 51.583  | ng    | 97       |
| 70) Pentachlorophenol         | 11.198 | 266  | 219405   | 85.086  | ng    | 100      |
| 71) Phenanthrene              | 11.416 | 178  | 890851   | 47.858  | ng    | 99       |
| 72) Anthracene                | 11.469 | 178  | 926107   | 47.715  | ng    | 99       |
| 73) Carbazole                 | 11.627 | 167  | 863069   | 47.744  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 1070928  | 46.211  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 967238   | 48.931  | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 89933    | 11.752  | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 979609   | 46.111  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.468 | 149  | 417456   | 46.546  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.045 | 228  | 746389   | 47.315  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.004 | 252  | 202030   | 38.522  | ng    | 98       |
| 83) Chrysene                  | 14.080 | 228  | 718999   | 48.190  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 552473   | 50.029  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.651 | 149  | 878919   | 56.008  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.115 | 276  | 869235   | 52.544  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.115 | 252  | 721316   | 49.382  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.145 | 252  | 705264   | 49.566  | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 639416   | 47.167  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.139 | 278  | 708076   | 51.701  | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.592 | 276  | 709443   | 52.246  | ng    | 97       |

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

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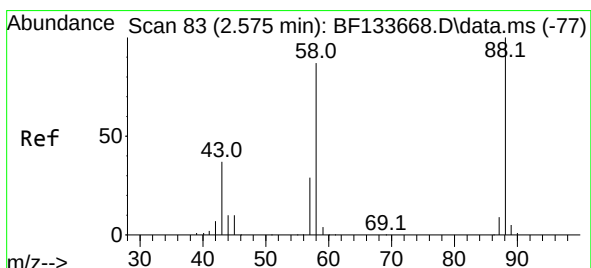
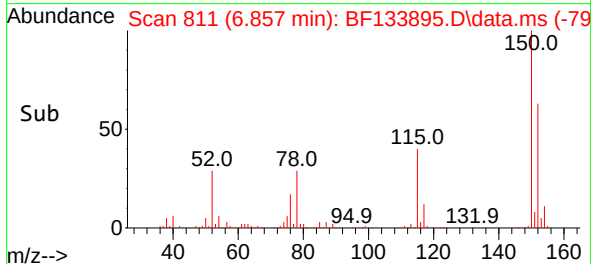
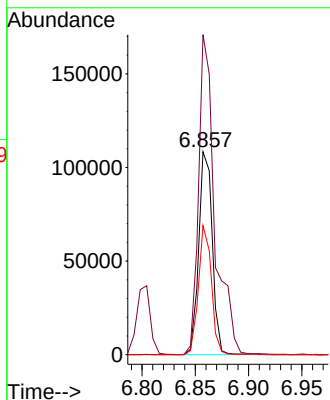
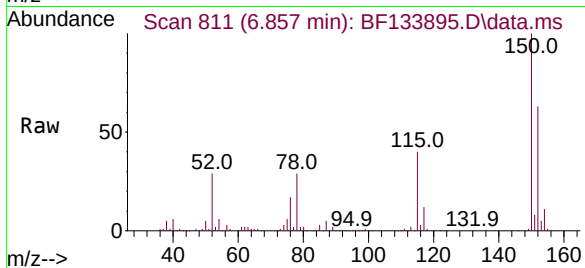




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.857 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

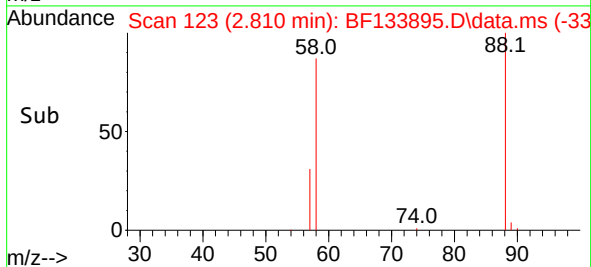
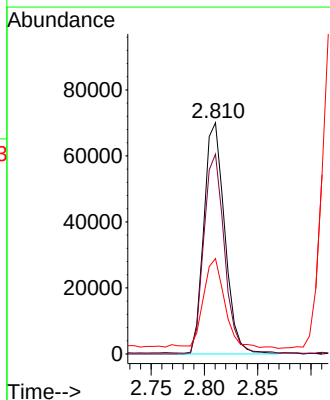
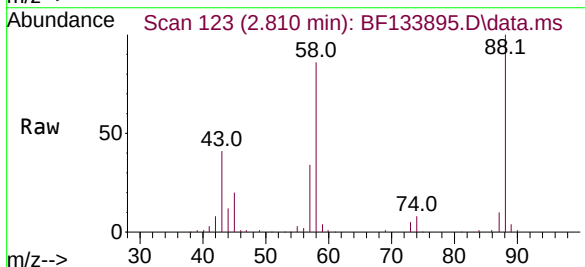
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

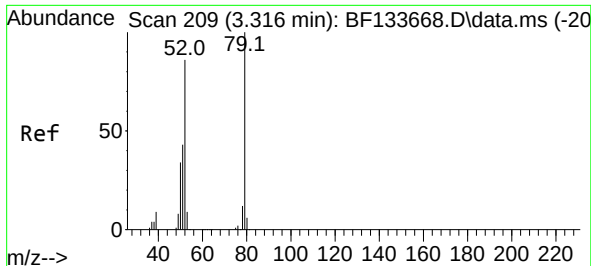
Tgt Ion:152 Resp: 96565  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.3 186.5  
115 63.7 48.5 72.7



#2  
1,4-Dioxane  
Concen: 39.152 ng  
RT: 2.810 min Scan# 123  
Delta R.T. 0.177 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 88 Resp: 95476  
Ion Ratio Lower Upper  
88 100  
58 85.2 67.8 101.6  
43 0.0 29.8 44.6#

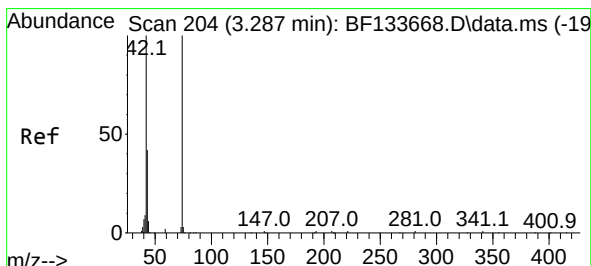
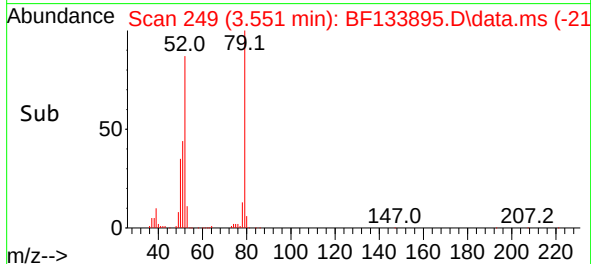
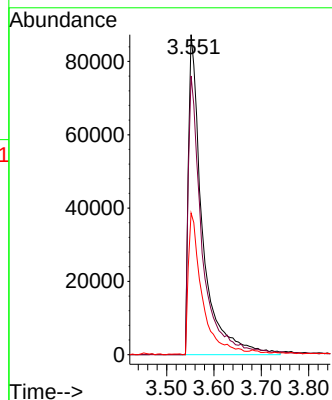
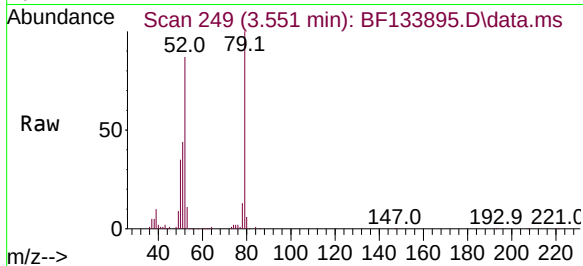




#3  
Pyridine  
Concen: 25.270 ng  
RT: 3.551 min Scan# 249  
Delta R.T. 0.130 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

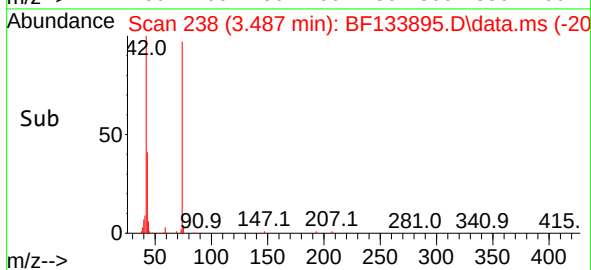
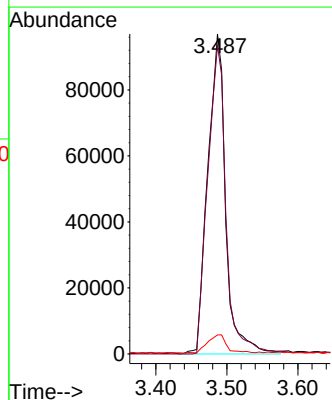
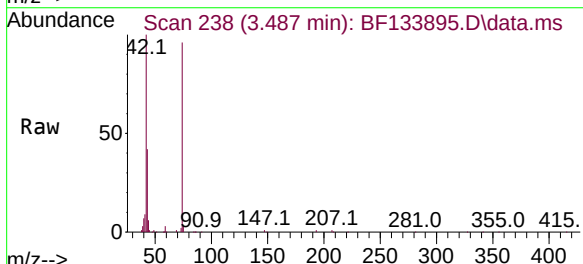
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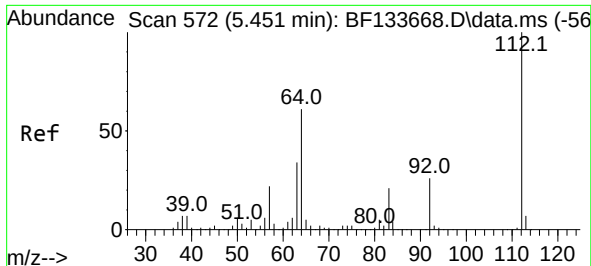
Tgt Ion: 79 Resp: 179612  
Ion Ratio Lower Upper  
79 100  
52 87.1 68.6 102.8  
51 44.3 34.8 52.2



#4  
n-Nitrosodimethylamine  
Concen: 43.298 ng  
RT: 3.487 min Scan# 238  
Delta R.T. 0.106 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 42 Resp: 170116  
Ion Ratio Lower Upper  
42 100  
74 96.3 79.8 119.8  
44 6.0 4.7 7.1

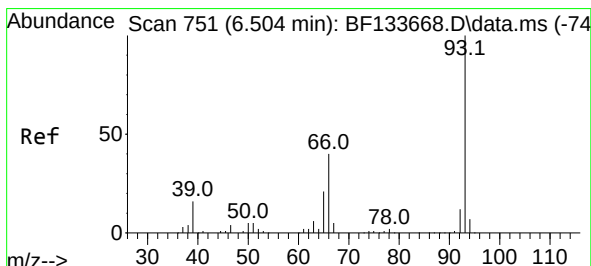
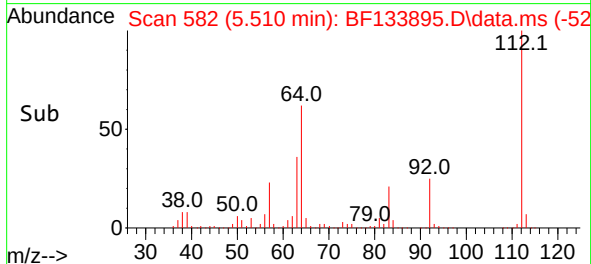
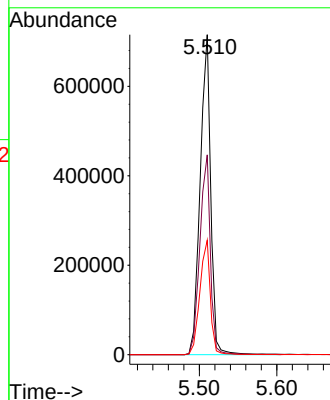
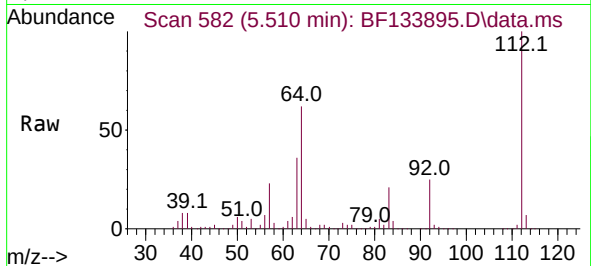




#5  
2-Fluorophenol  
Concen: 121.620 ng  
RT: 5.510 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

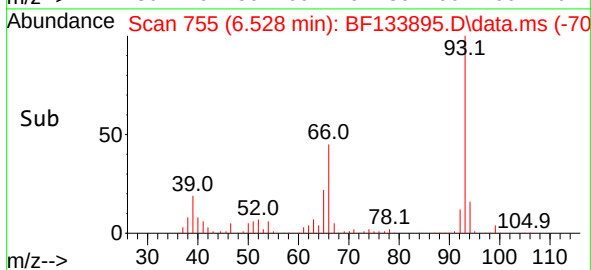
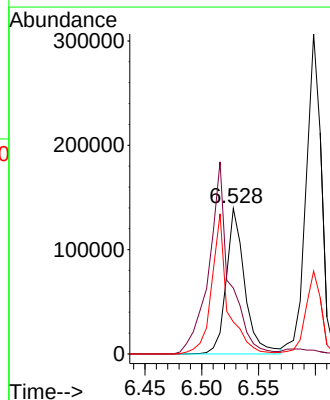
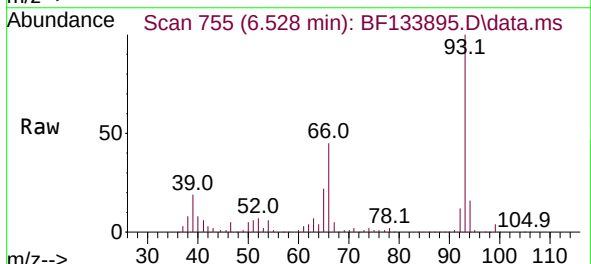
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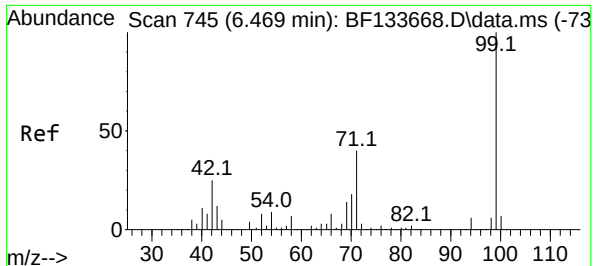
Tgt Ion:112 Resp: 674608  
Ion Ratio Lower Upper  
112 100  
64 62.4 49.0 73.4  
63 35.7 26.8 40.2



#6  
Aniline  
Concen: 17.398 ng  
RT: 6.528 min Scan# 755  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
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Tgt Ion: 93 Resp: 158215  
Ion Ratio Lower Upper  
93 100  
66 45.2 34.4 51.6  
65 22.0 17.5 26.3

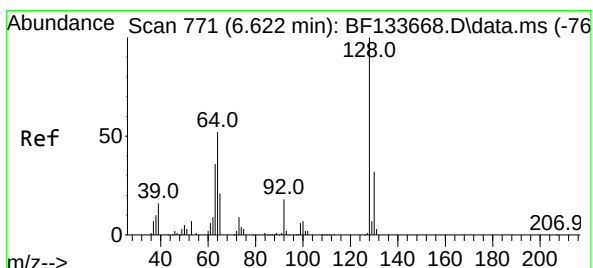
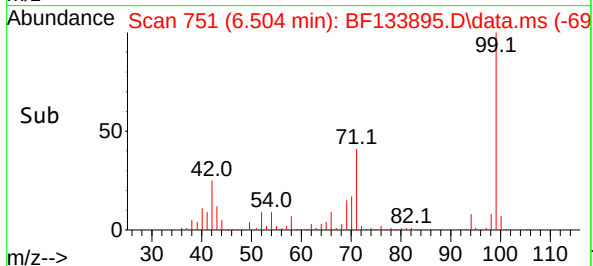
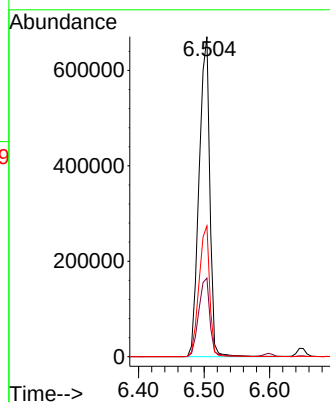
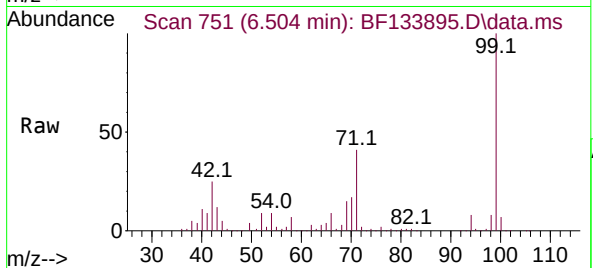




#7  
Phenol-d6  
Concen: 105.536 ng  
RT: 6.504 min Scan# 711  
Delta R.T. 0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

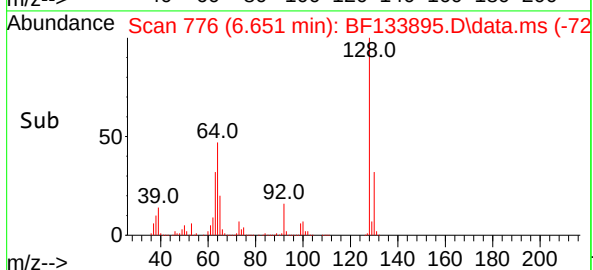
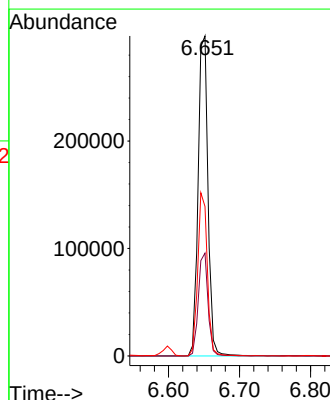
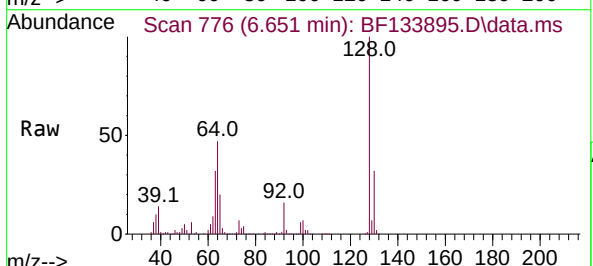
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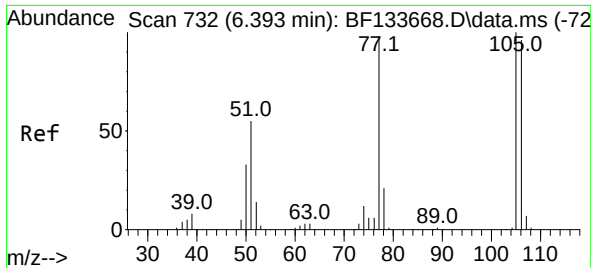
Tgt Ion: 99 Resp: 761983  
Ion Ratio Lower Upper  
99 100  
42 24.6 19.9 29.9  
71 40.9 32.2 48.4



#8  
2-Chlorophenol  
Concen: 49.534 ng  
RT: 6.651 min Scan# 776  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 128 Resp: 289552  
Ion Ratio Lower Upper  
128 100  
130 32.1 12.3 52.3  
64 46.7 33.1 73.1

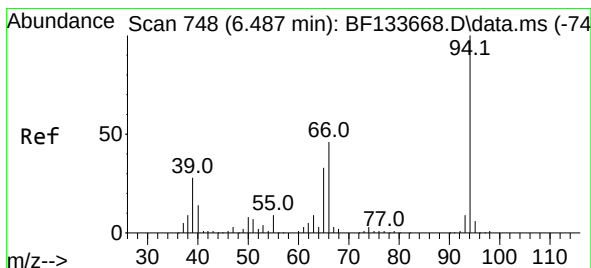
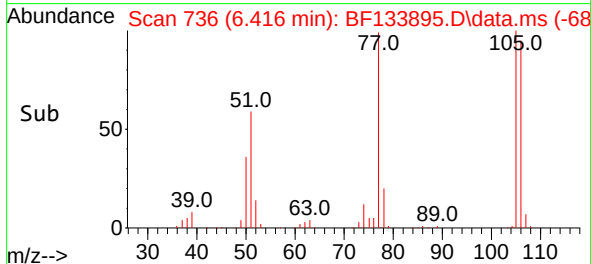
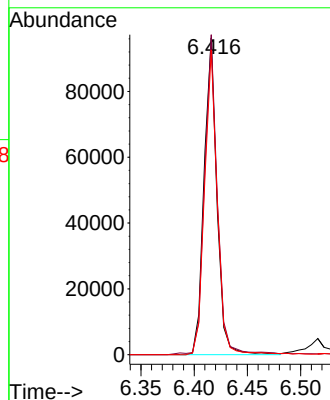
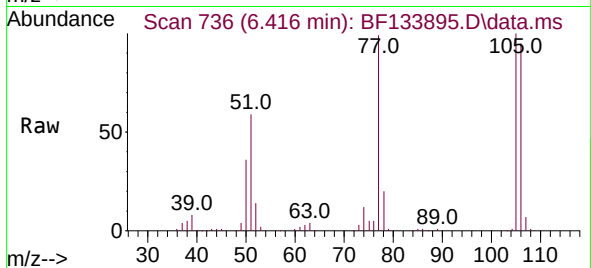




#9  
Benzaldehyde  
Concen: 16.906 ng  
RT: 6.416 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

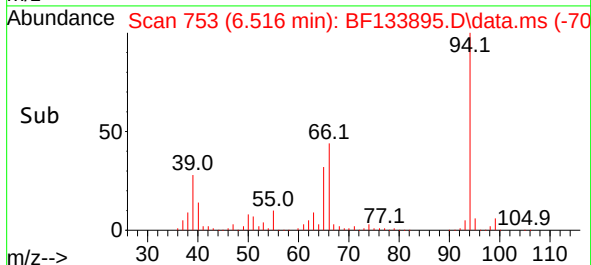
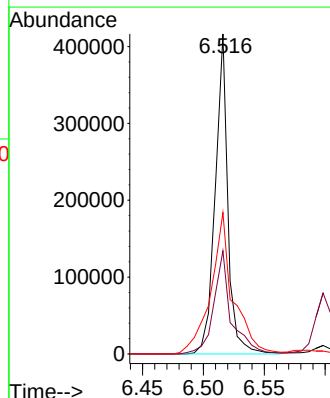
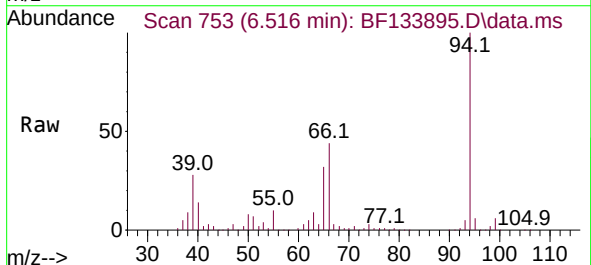
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

Tgt Ion: 77 Resp: 80982  
Ion Ratio Lower Upper  
77 100  
105 101.0 82.0 122.0  
106 96.2 77.6 117.6

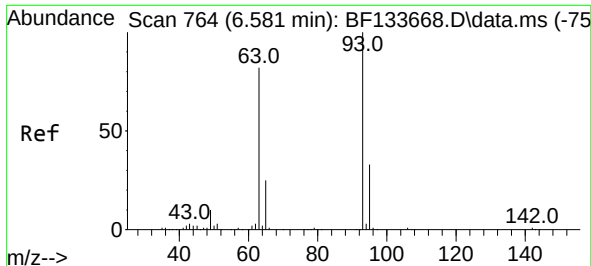


#10  
Phenol  
Concen: 39.932 ng  
RT: 6.516 min Scan# 753  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 94 Resp: 301056  
Ion Ratio Lower Upper  
94 100  
65 32.3 13.2 53.2  
66 44.2 26.1 66.1







#11

bis(2-Chloroethyl)ether

Concen: 50.464 ng

RT: 6.598 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

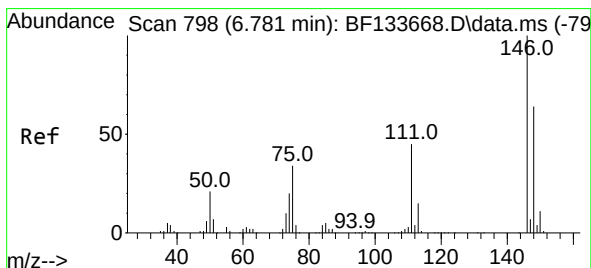
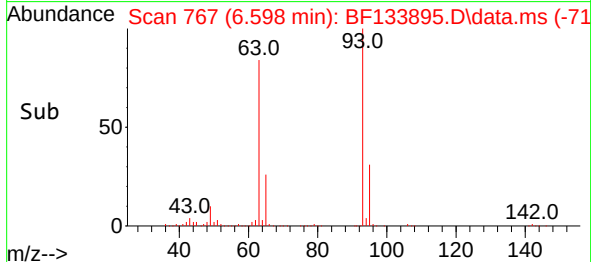
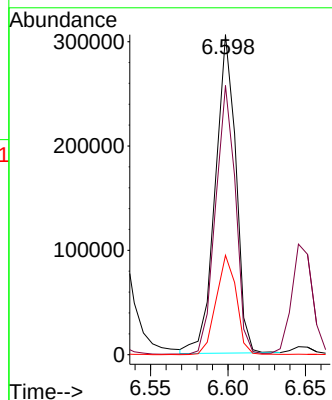
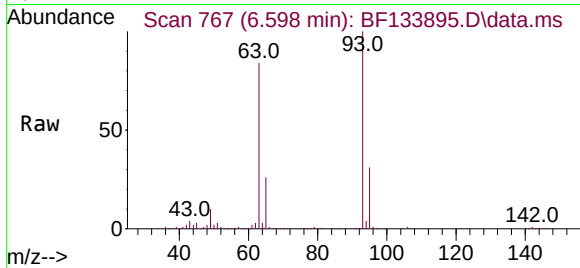
Tgt Ion: 93 Resp: 282449

Ion Ratio Lower Upper

93 100

63 84.1 62.1 102.1

95 31.1 13.0 53.0



#12

1,3-Dichlorobenzene

Concen: 49.251 ng

RT: 6.804 min Scan# 802

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

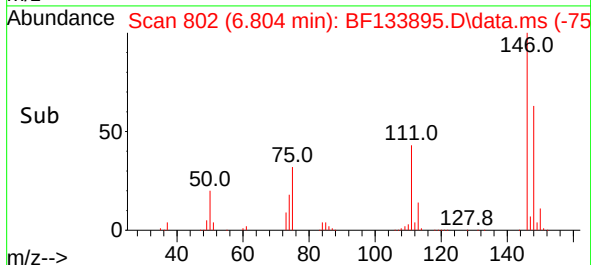
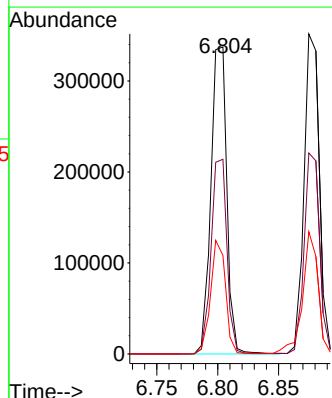
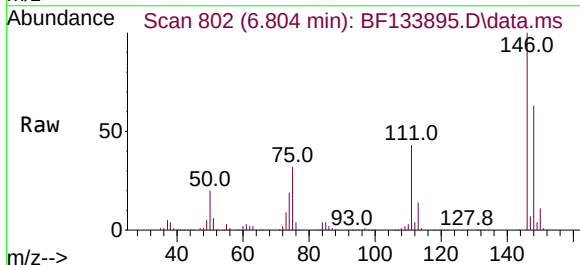
Tgt Ion:146 Resp: 307604

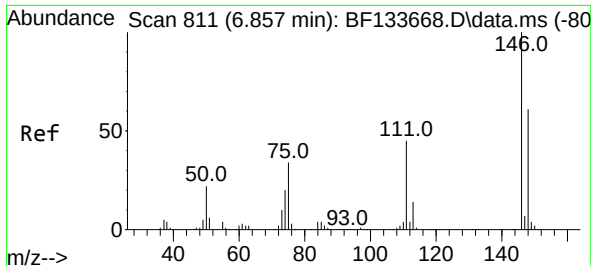
Ion Ratio Lower Upper

146 100

148 63.4 50.9 76.3

75 32.1 27.1 40.7

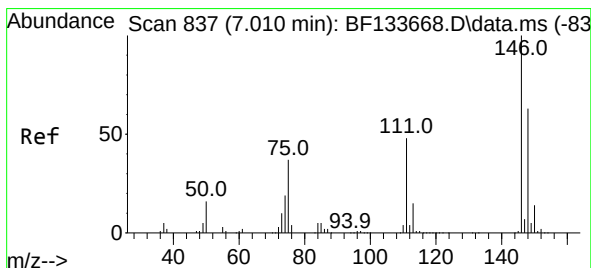
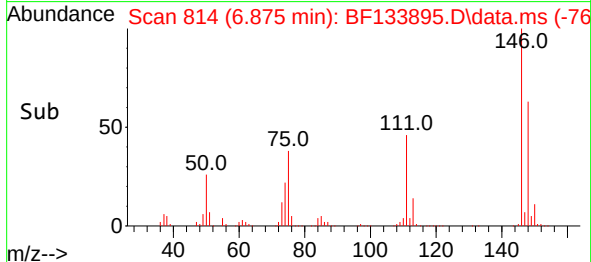
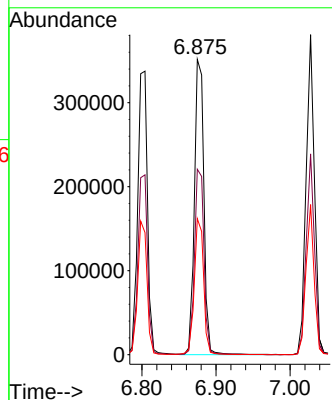
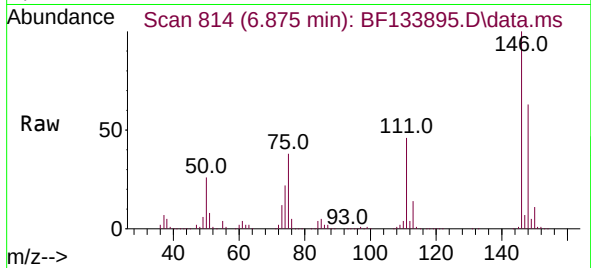




#13  
1,4-Dichlorobenzene  
Concen: 49.471 ng  
RT: 6.875 min Scan# 811  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

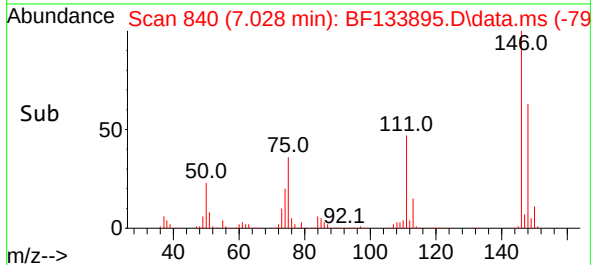
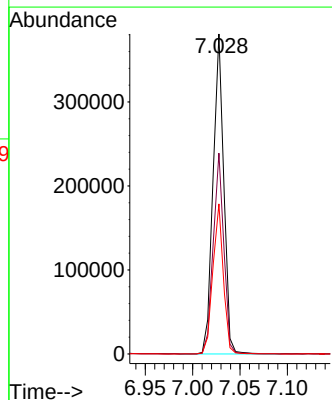
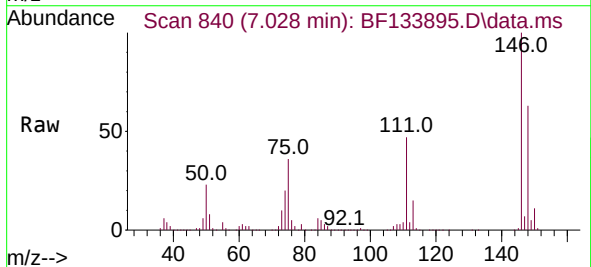
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

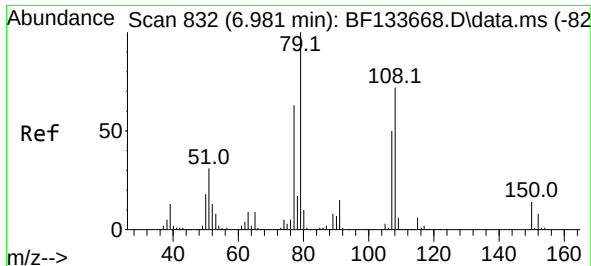
Tgt Ion:146 Resp: 312284  
Ion Ratio Lower Upper  
146 100  
148 62.8 48.9 73.3  
111 46.0 35.8 53.6



#14  
1,2-Dichlorobenzene  
Concen: 52.574 ng  
RT: 7.028 min Scan# 840  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:146 Resp: 299879  
Ion Ratio Lower Upper  
146 100  
148 62.7 50.6 75.8  
111 46.9 38.7 58.1

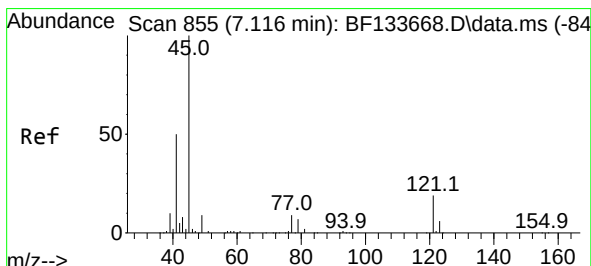
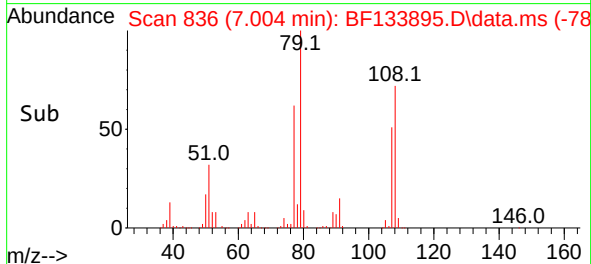
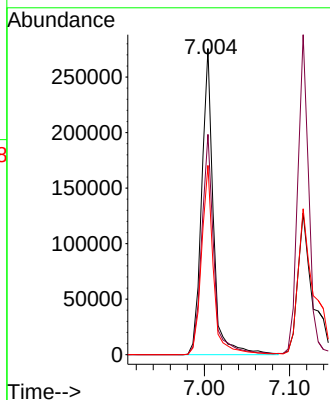
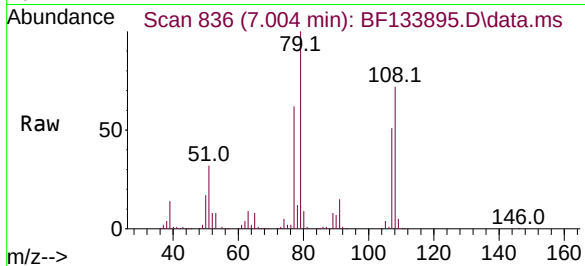




#15  
Benzyl Alcohol  
Concen: 46.567 ng  
RT: 7.004 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

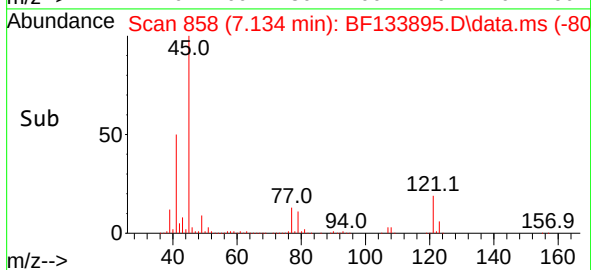
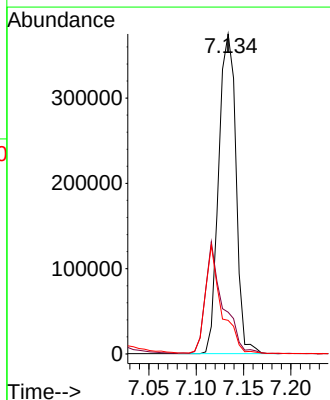
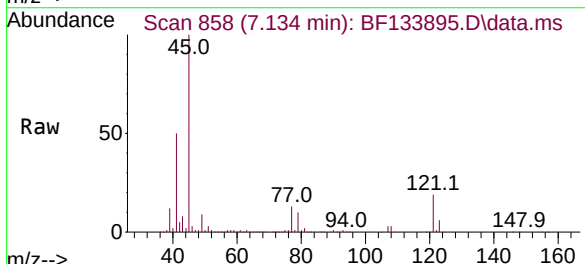
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

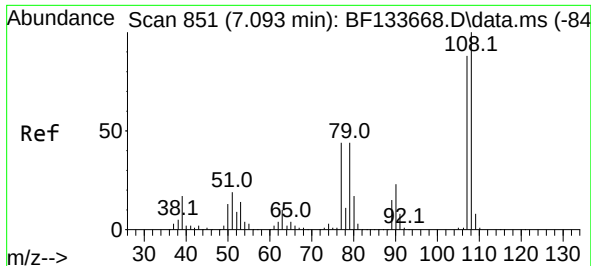
Tgt Ion: 79 Resp: 262598  
Ion Ratio Lower Upper  
79 100  
108 71.9 57.9 86.9  
77 61.8 50.4 75.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 50.269 ng  
RT: 7.134 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 45 Resp: 476948  
Ion Ratio Lower Upper  
45 100  
77 13.0 0.0 32.3  
79 10.5 0.0 29.4

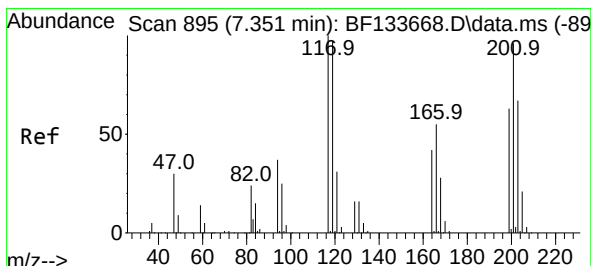
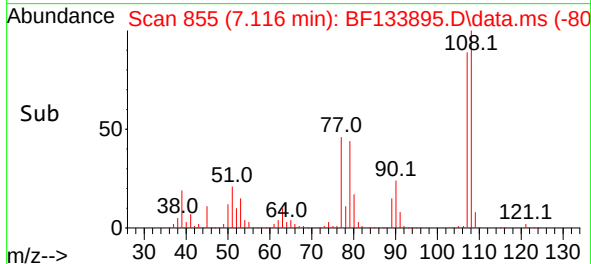
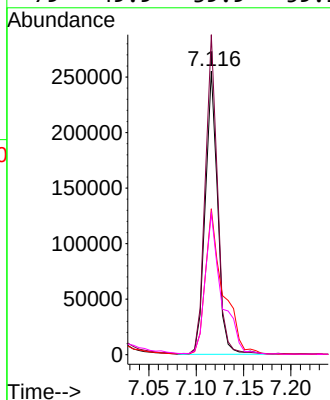
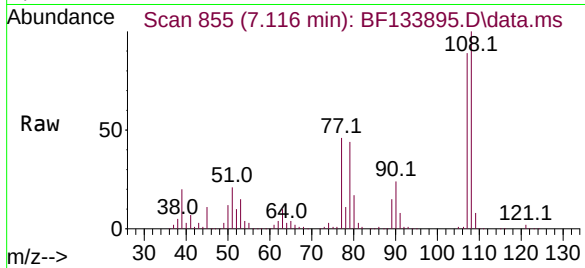




#17  
2-Methylphenol  
Concen: 44.520 ng  
RT: 7.116 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

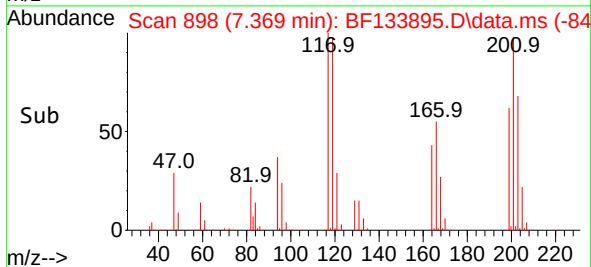
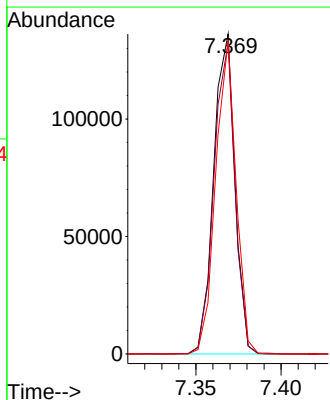
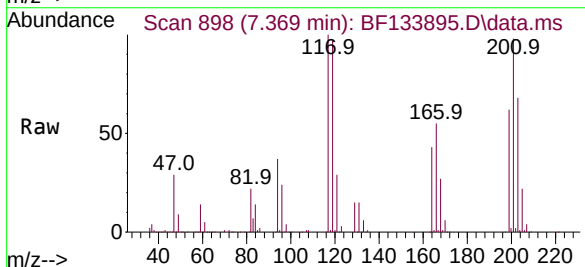
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

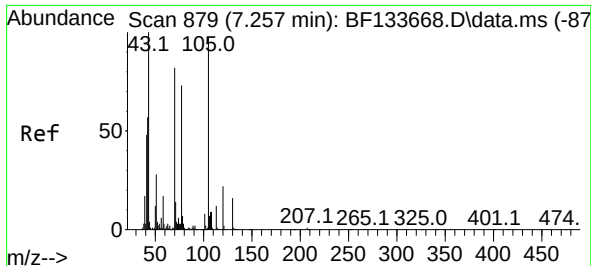
Tgt Ion:107 Resp: 230665  
Ion Ratio Lower Upper  
107 100  
108 112.9 90.9 136.3  
77 51.5 39.8 59.6  
79 49.9 39.9 59.9



#18  
Hexachloroethane  
Concen: 54.477 ng  
RT: 7.369 min Scan# 898  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:117 Resp: 117729  
Ion Ratio Lower Upper  
117 100  
119 97.3 77.3 115.9  
201 97.9 76.8 115.2

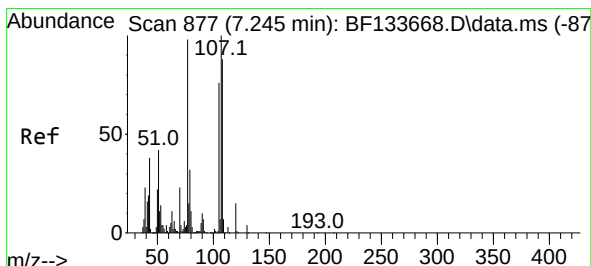
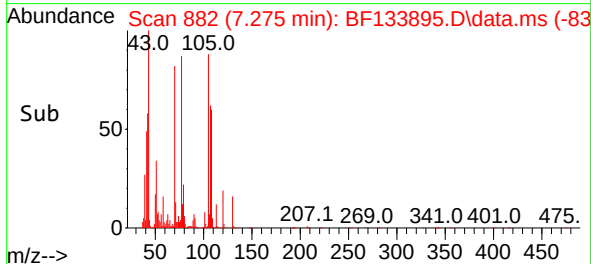
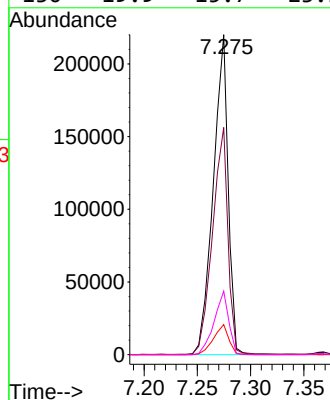
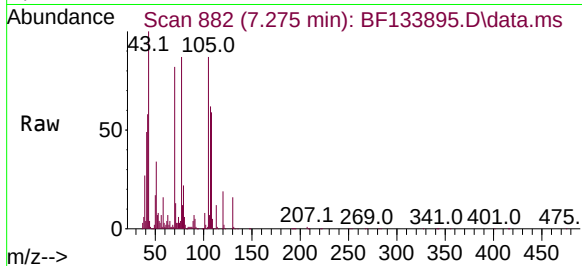




#19  
n-Nitroso-di-n-propylamine  
Concen: 46.642 ng  
RT: 7.275 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

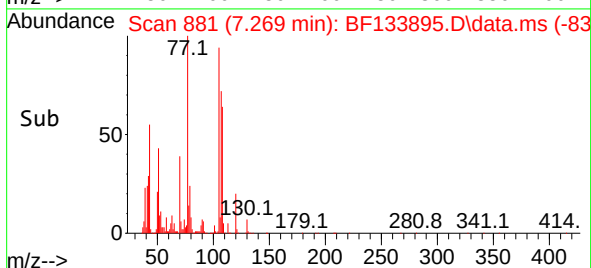
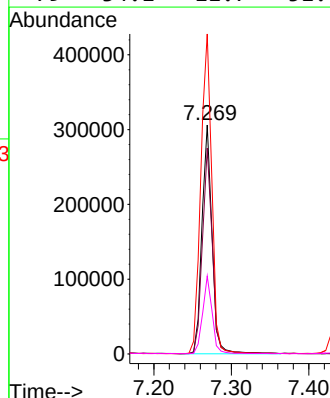
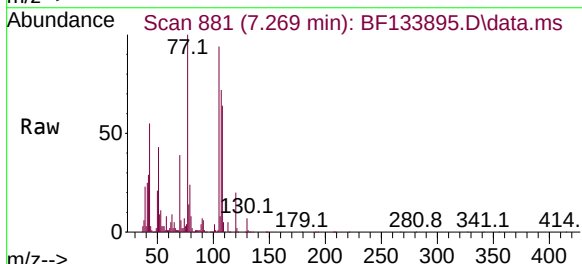
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

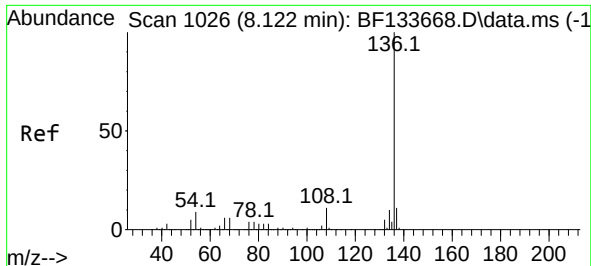
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 214263 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 71.0  | 55.8  | 83.8   |
| 101      | 9.4   | 8.1   | 12.1   |
| 130      | 19.9  | 15.7  | 23.5   |



#20  
3+4-Methylphenols  
Concen: 41.102 ng  
RT: 7.269 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 277031 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 89.9  | 67.9  | 107.9  |
| 77       | 139.7 | 77.7  | 117.7# |
| 79       | 34.1  | 11.7  | 51.7   |

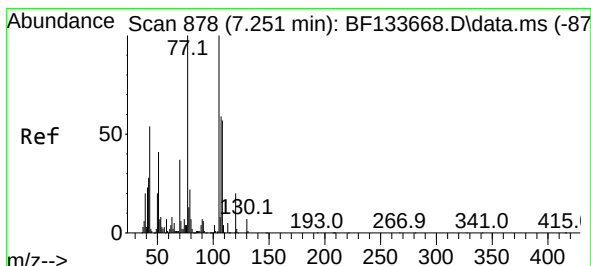
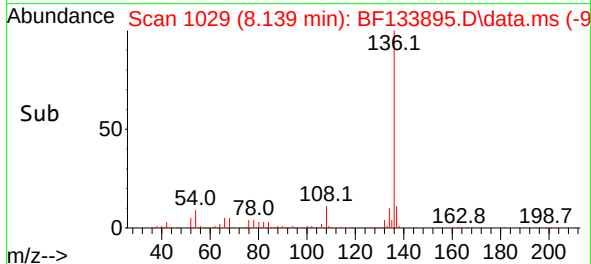
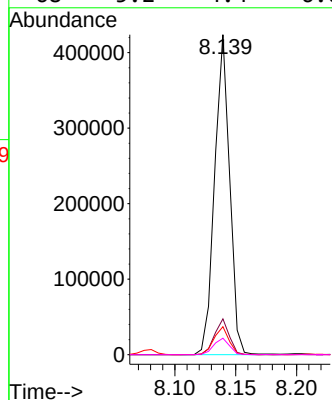
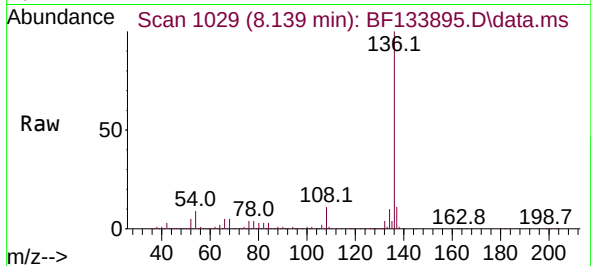




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

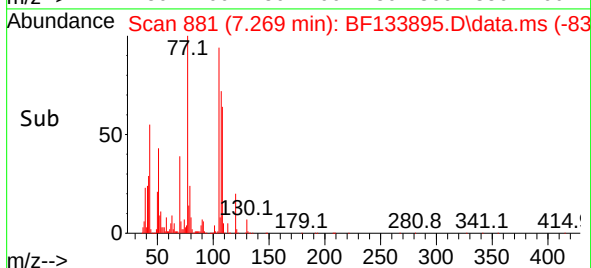
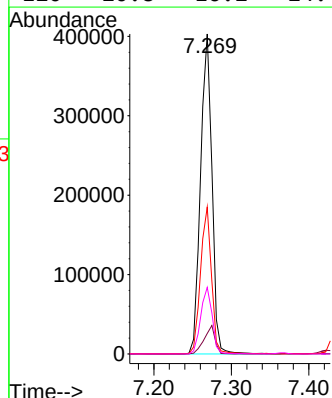
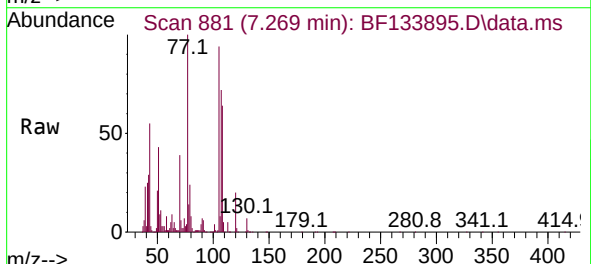
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

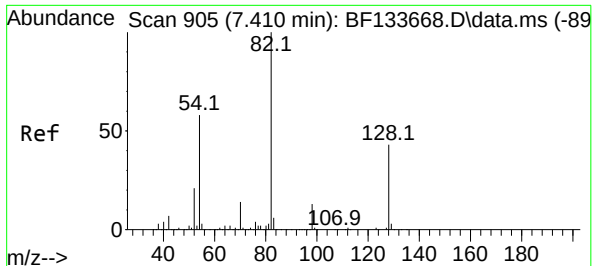
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 363129 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.8   | 13.2   |
| 54       | 8.7   | 7.4   | 11.0   |
| 68       | 5.2   | 4.4   | 6.6    |



#22  
Acetophenone  
Concen: 49.536 ng  
RT: 7.269 min Scan# 881  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 412567 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 6.4   | 4.8   | 7.2    |
| 51       | 45.9  | 33.0  | 49.4   |
| 120      | 20.8  | 16.2  | 24.4   |





#23

Nitrobenzene-d5

Concen: 92.698 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

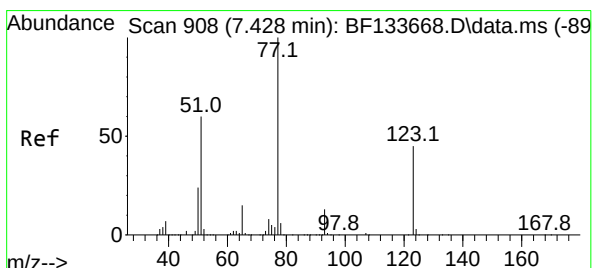
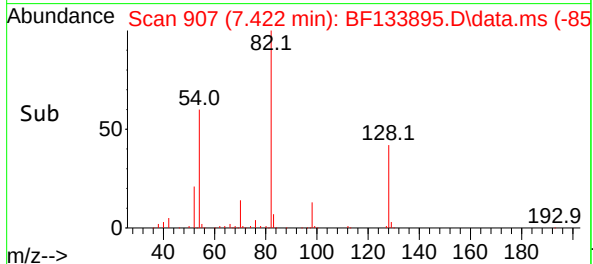
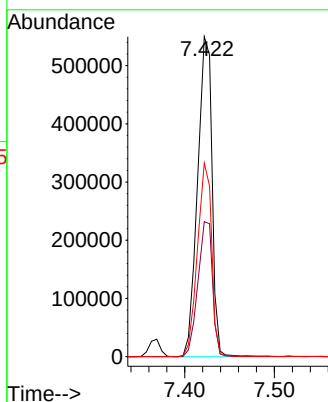
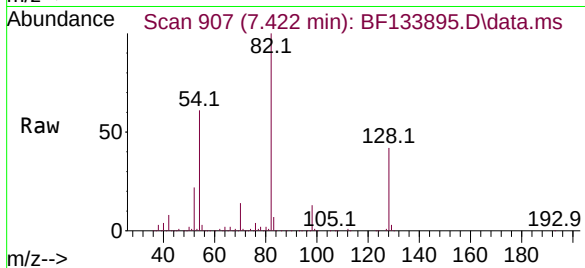
Tgt Ion: 82 Resp: 618015

Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.2

54 60.5 46.5 69.7



#24

Nitrobenzene

Concen: 48.152 ng

RT: 7.445 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

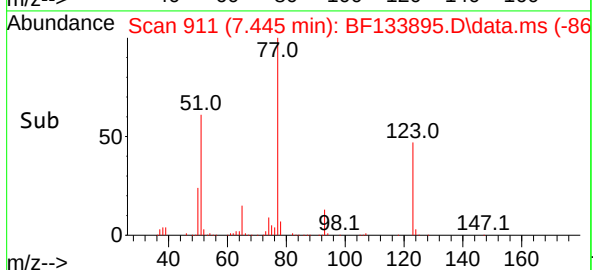
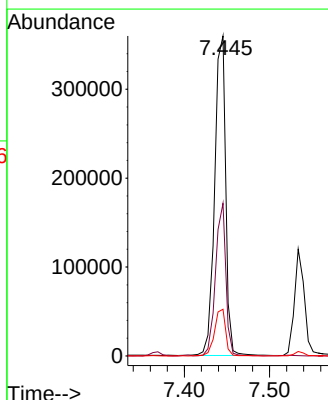
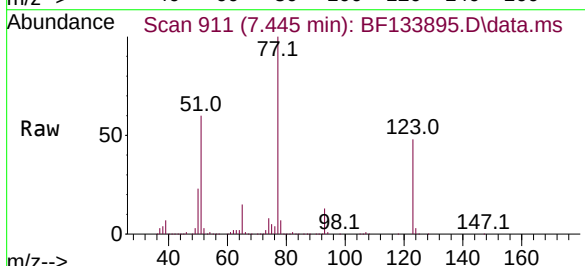
Tgt Ion: 77 Resp: 323259

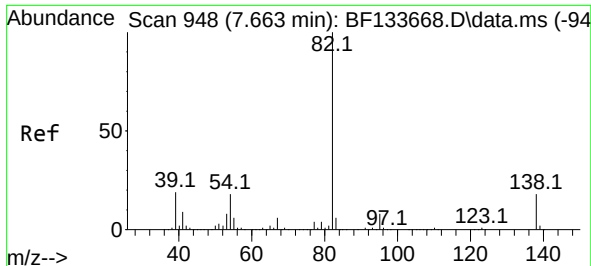
Ion Ratio Lower Upper

77 100

123 47.7 35.8 53.8

65 14.6 11.6 17.4

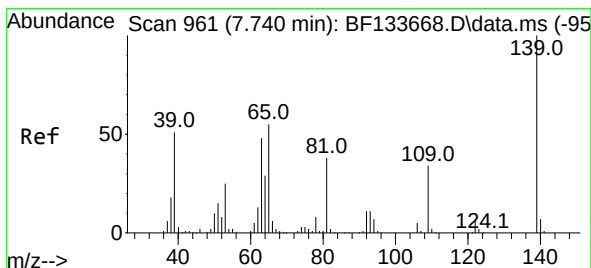
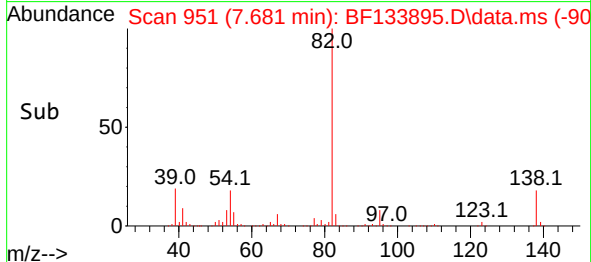
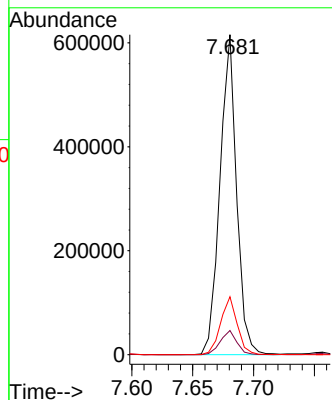
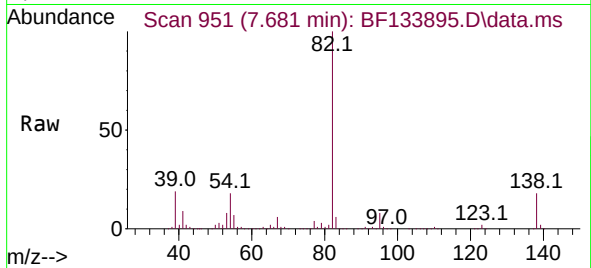




#25  
Isophorone  
Concen: 47.916 ng  
RT: 7.681 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

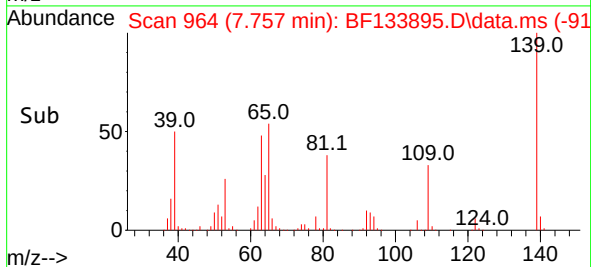
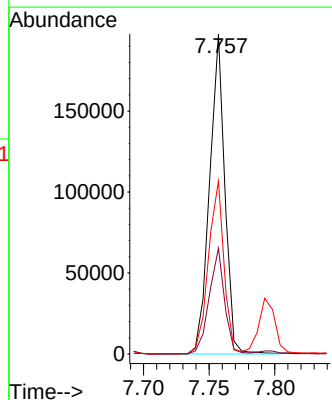
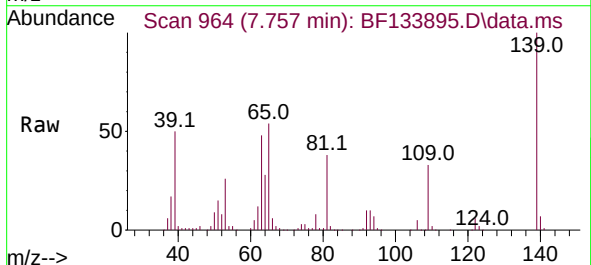
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

Tgt Ion: 82 Resp: 586484  
Ion Ratio Lower Upper  
82 100  
95 7.6 6.0 9.0  
138 18.1 14.2 21.2

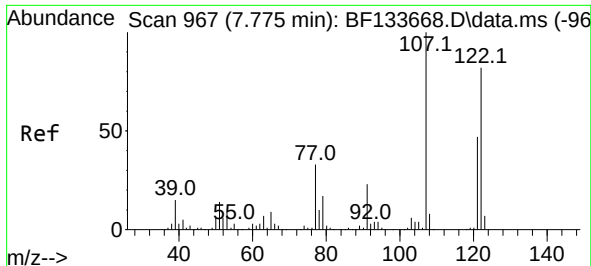


#26  
2-Nitrophenol  
Concen: 53.140 ng  
RT: 7.757 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:139 Resp: 160101  
Ion Ratio Lower Upper  
139 100  
109 33.1 27.0 40.6  
65 54.1 44.2 66.4



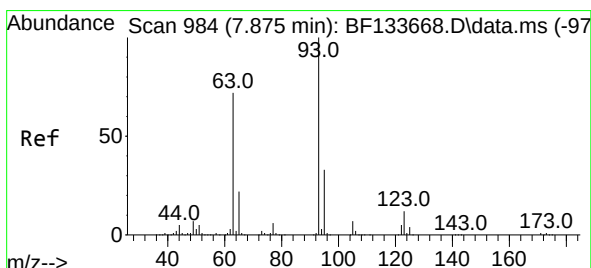
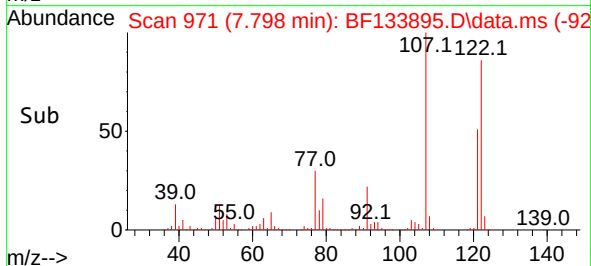
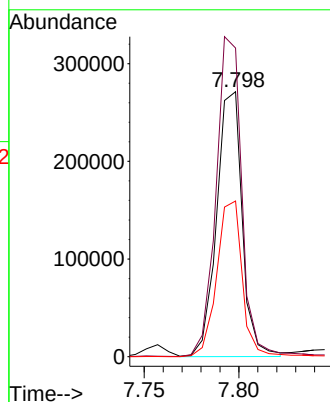
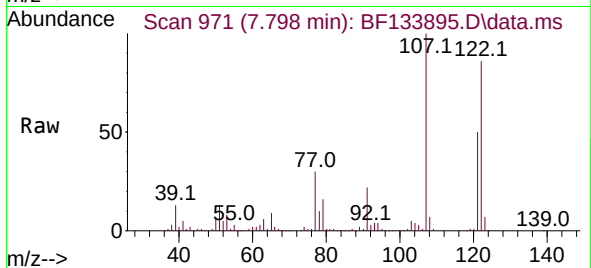




#27  
2,4-Dimethylphenol  
Concen: 49.151 ng  
RT: 7.798 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

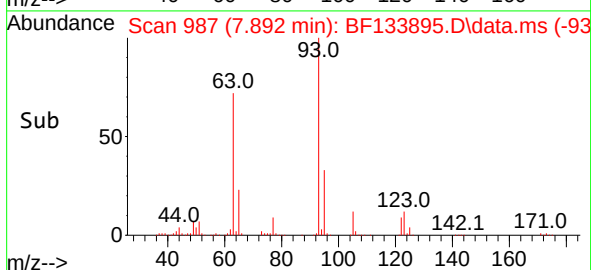
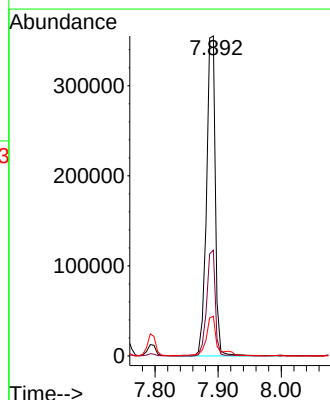
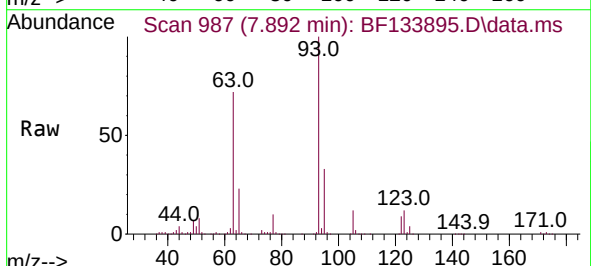
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

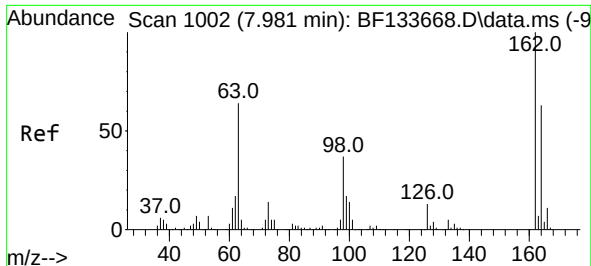
Tgt Ion:122 Resp: 255235  
Ion Ratio Lower Upper  
122 100  
107 116.5 97.8 146.6  
121 58.8 46.1 69.1



#28  
bis(2-Chloroethoxy)methane  
Concen: 48.889 ng  
RT: 7.892 min Scan# 987  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion: 93 Resp: 345847  
Ion Ratio Lower Upper  
93 100  
95 33.1 26.4 39.6  
123 12.4 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 49.634 ng

RT: 7.998 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

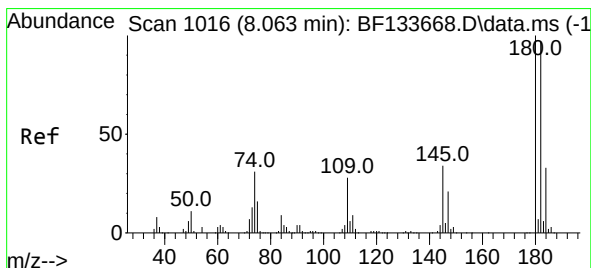
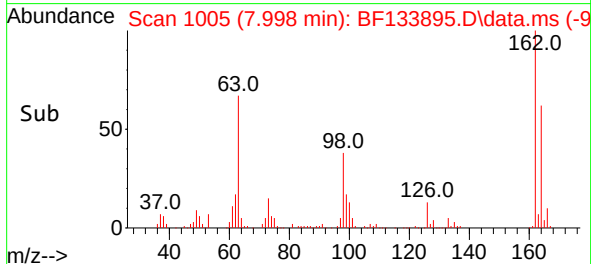
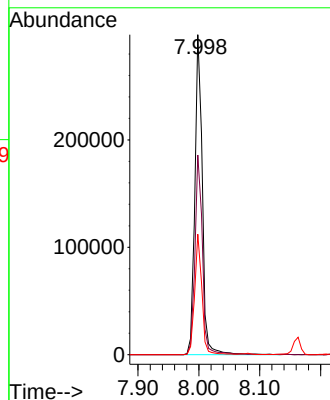
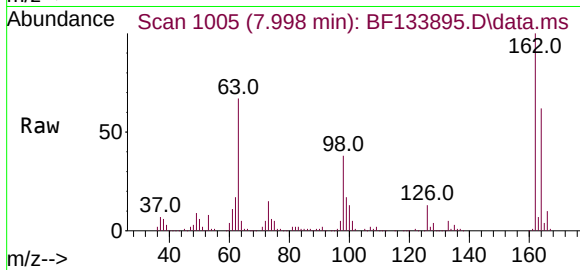
Tgt Ion:162 Resp: 252611

Ion Ratio Lower Upper

162 100

164 62.4 43.4 83.4

98 37.7 17.4 57.4



#30

1,2,4-Trichlorobenzene

Concen: 49.930 ng

RT: 8.081 min Scan# 1019

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

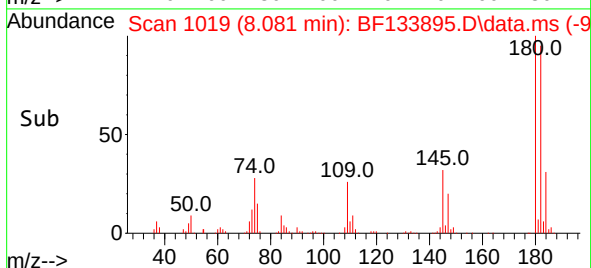
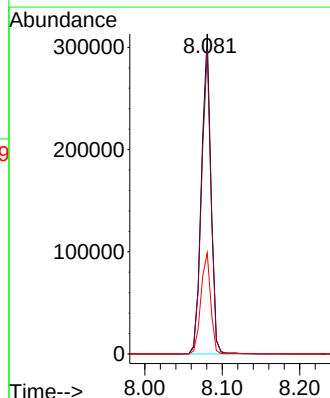
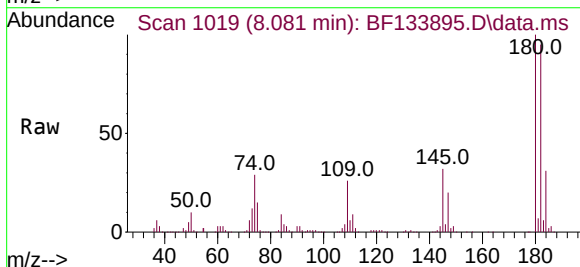
Tgt Ion:180 Resp: 265130

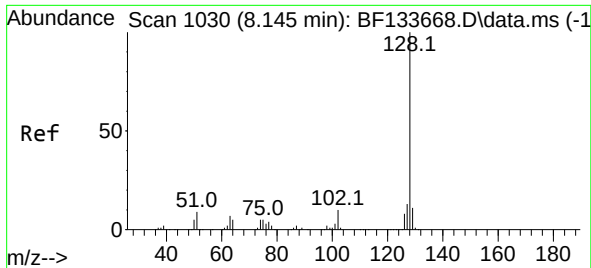
Ion Ratio Lower Upper

180 100

182 94.6 77.8 116.8

145 31.6 27.0 40.4

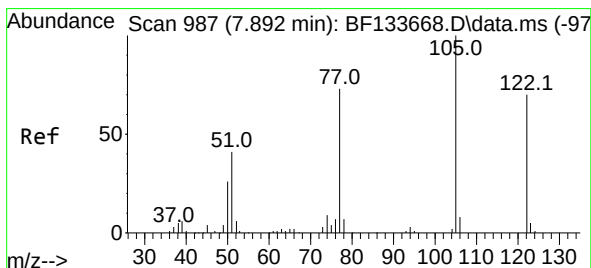
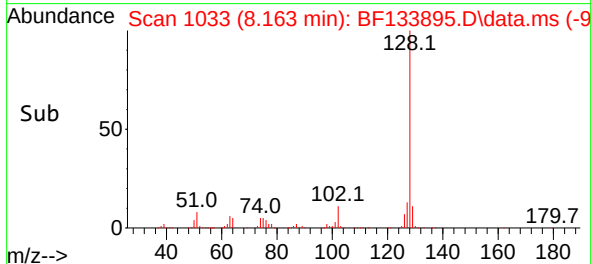
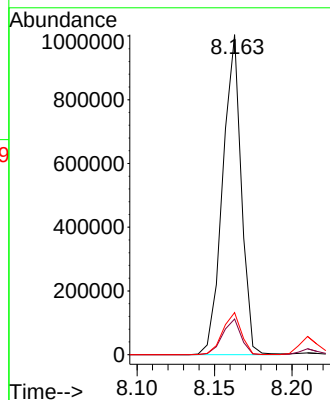
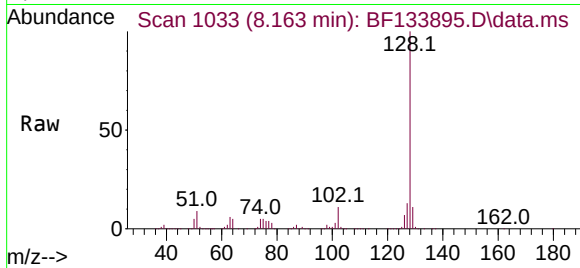




#31  
Naphthalene  
Concen: 47.267 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

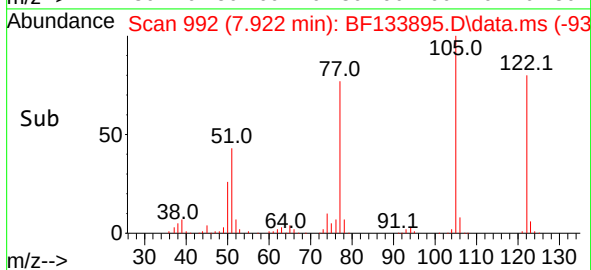
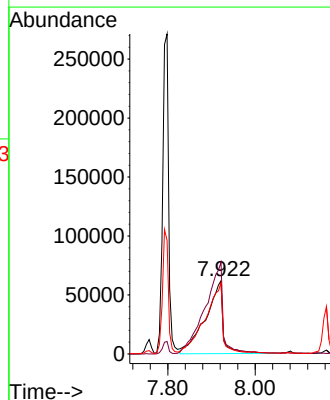
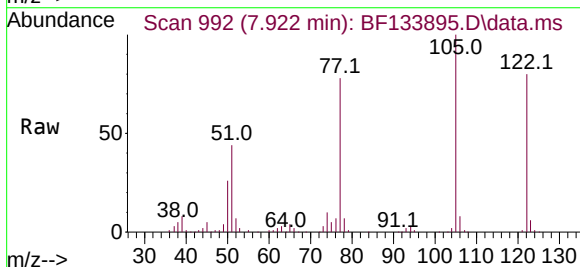
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

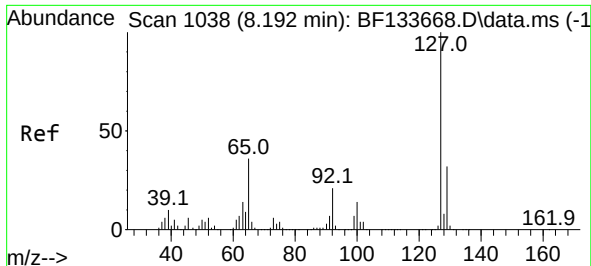
Tgt Ion:128 Resp: 836234  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.9 13.3  
127 13.2 10.5 15.7



#32  
Benzoic acid  
Concen: 53.209 ng  
RT: 7.922 min Scan# 992  
Delta R.T. 0.012 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:122 Resp: 174265  
Ion Ratio Lower Upper  
122 100  
105 125.4 116.3 156.3  
77 97.3 82.4 122.4

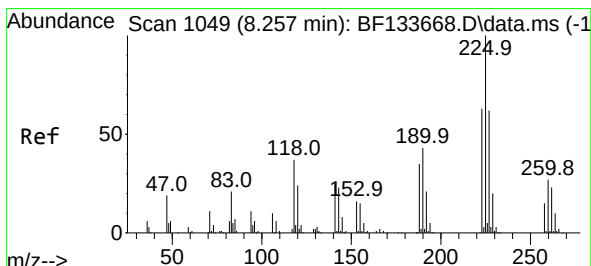
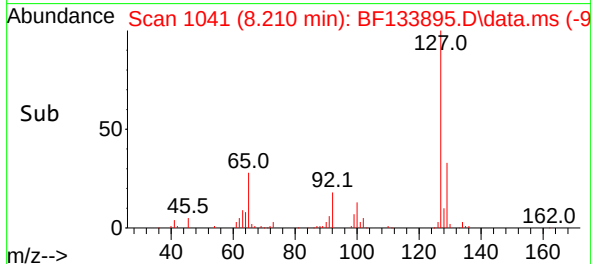
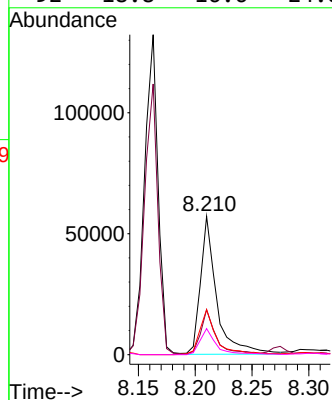
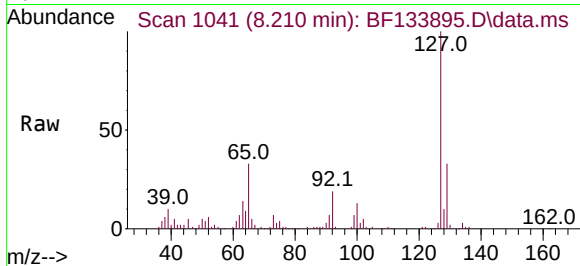




#33  
4-Chloroaniline  
Concen: 7.500 ng  
RT: 8.210 min Scan# 1052  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

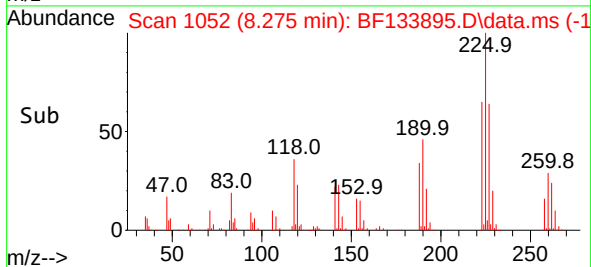
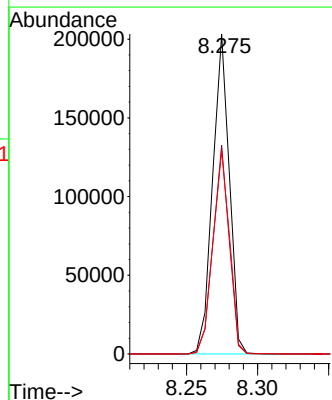
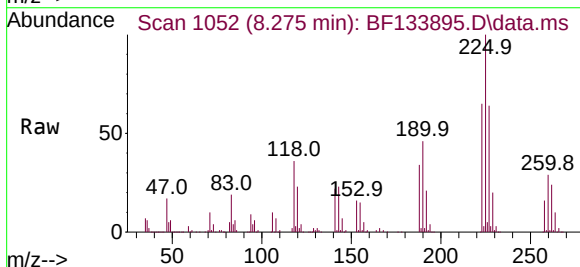
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

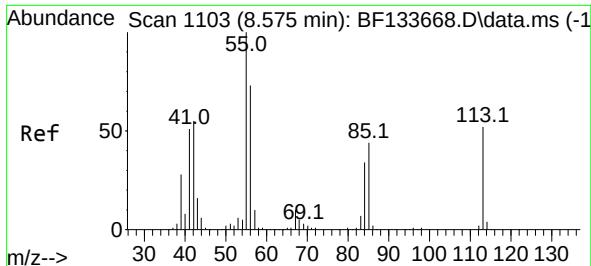
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:127 | Resp: | 56737       |
| Ion         | Ratio | Lower Upper |
| 127         | 100   |             |
| 129         | 32.5  | 25.6 38.4   |
| 65          | 32.6  | 28.9 43.3   |
| 92          | 18.8  | 16.6 24.8   |



#34  
Hexachlorobutadiene  
Concen: 47.538 ng  
RT: 8.275 min Scan# 1052  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:225 | Resp: | 165271      |
| Ion         | Ratio | Lower Upper |
| 225         | 100   |             |
| 223         | 65.2  | 50.2 75.4   |
| 227         | 63.5  | 49.5 74.3   |

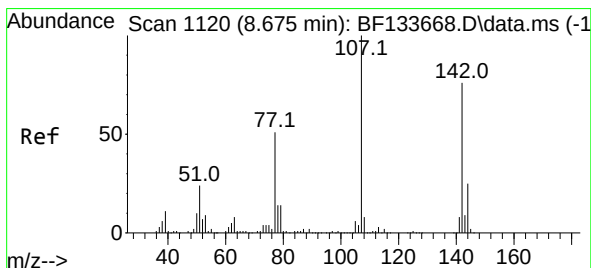
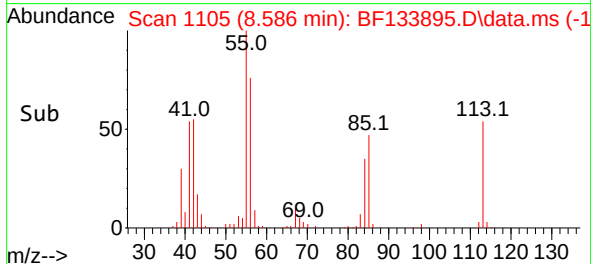
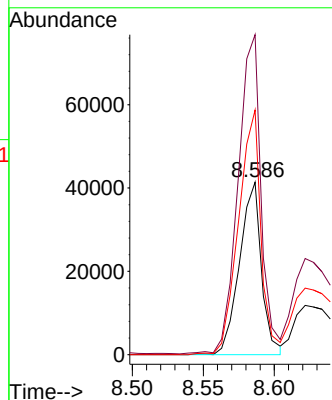
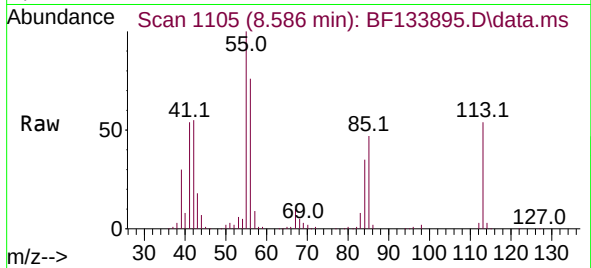




#35  
 Caprolactam  
 Concen: 26.063 ng  
 RT: 8.586 min Scan# 1103  
 Delta R.T. 0.000 min  
 Lab File: BF133895.D  
 Acq: 22 Jun 2023 11:47

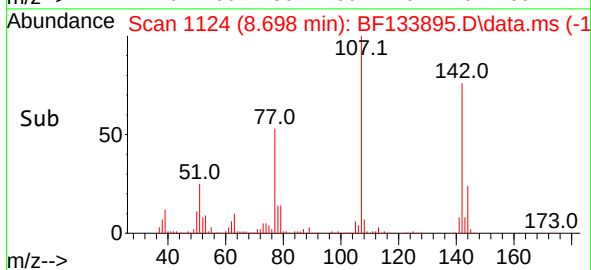
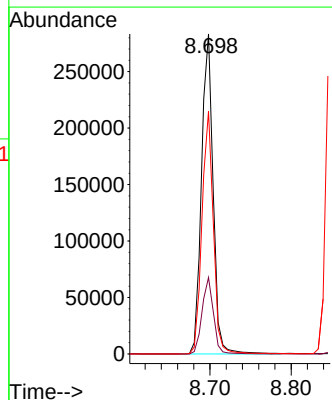
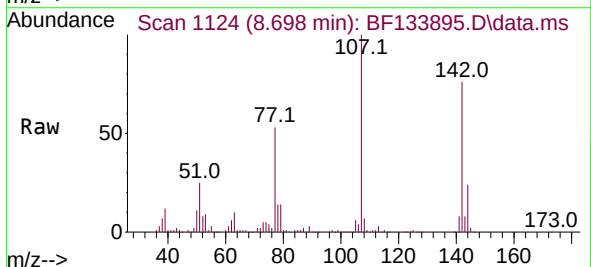
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-402-COMP-09MSD

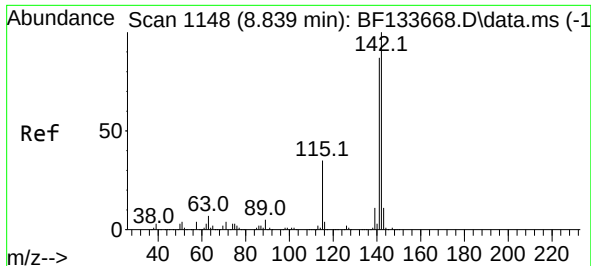
Tgt Ion:113 Resp: 44635  
 Ion Ratio Lower Upper  
 113 100  
 55 185.6 173.3 213.3  
 56 141.8 120.5 160.5



#36  
 4-Chloro-3-methylphenol  
 Concen: 48.094 ng  
 RT: 8.698 min Scan# 1124  
 Delta R.T. 0.000 min  
 Lab File: BF133895.D  
 Acq: 22 Jun 2023 11:47

Tgt Ion:107 Resp: 282137  
 Ion Ratio Lower Upper  
 107 100  
 144 23.9 19.7 29.5  
 142 75.9 61.1 91.7





#37

2-Methylnaphthalene

Concen: 46.562 ng

RT: 8.851 min Scan# 1148

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

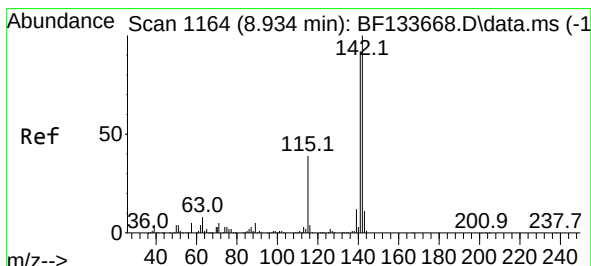
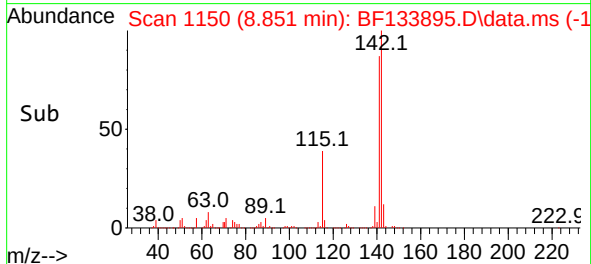
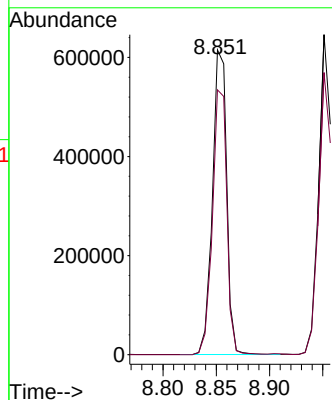
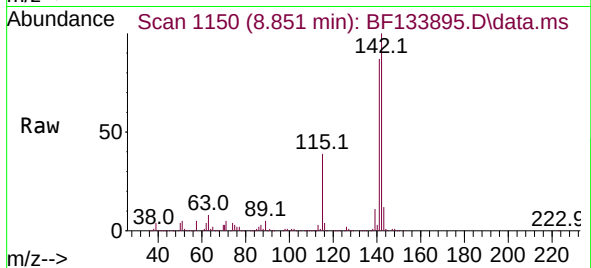
OR-402-COMP-09MSD

Tgt Ion:142 Resp: 572360

Ion Ratio Lower Upper

142 100

141 86.9 69.8 104.8



#38

1-Methylnaphthalene

Concen: 47.225 ng

RT: 8.951 min Scan# 1167

Delta R.T. -0.006 min

Lab File: BF133895.D

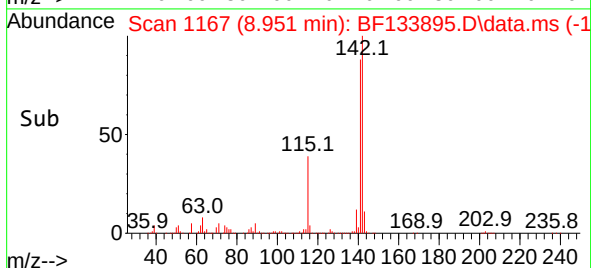
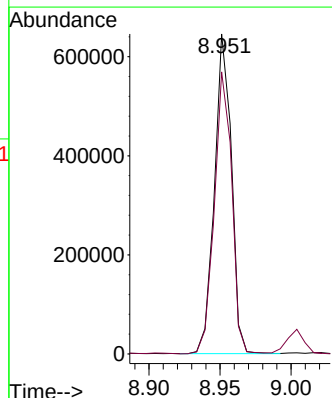
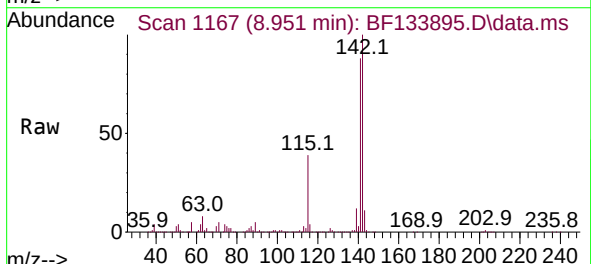
Acq: 22 Jun 2023 11:47

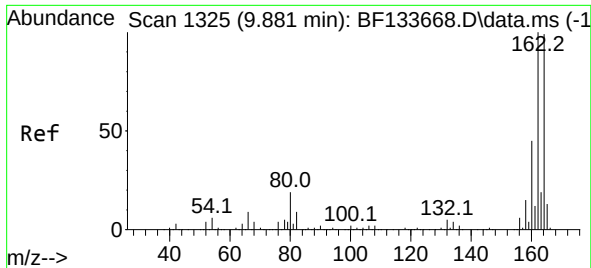
Tgt Ion:142 Resp: 534180

Ion Ratio Lower Upper

142 100

141 88.1 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

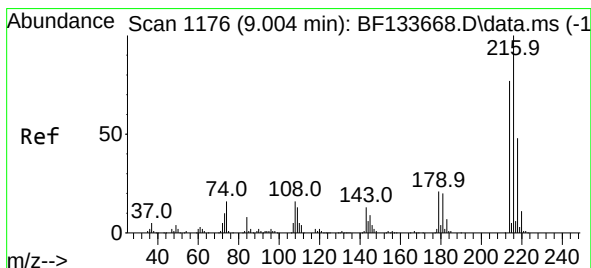
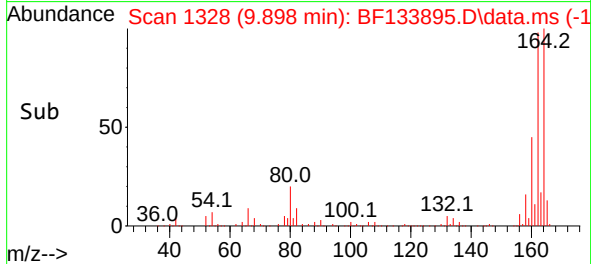
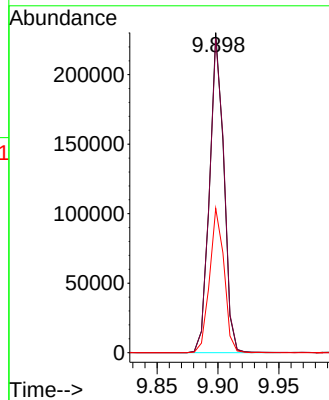
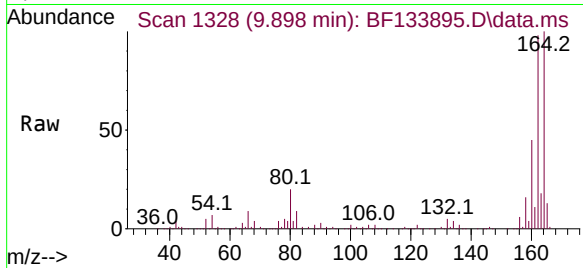
Tgt Ion:164 Resp: 187199

Ion Ratio Lower Upper

164 100

162 98.2 80.8 121.2

160 45.1 36.7 55.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.246 ng

RT: 9.022 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Tgt Ion:216 Resp: 268879

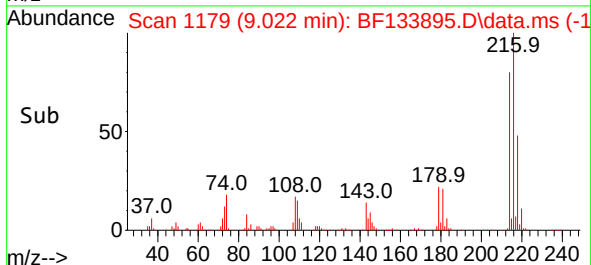
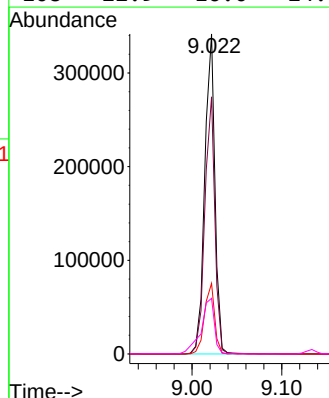
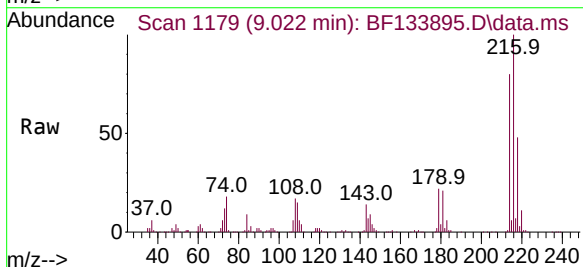
Ion Ratio Lower Upper

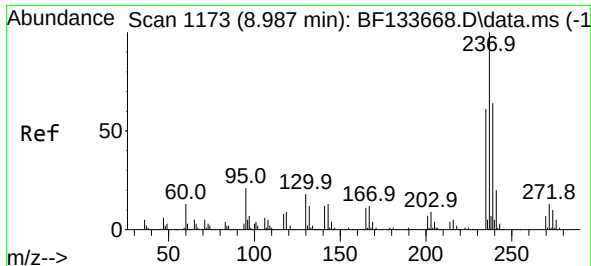
216 100

214 79.6 62.7 94.1

179 22.0 17.6 26.4

108 22.9 16.0 24.0

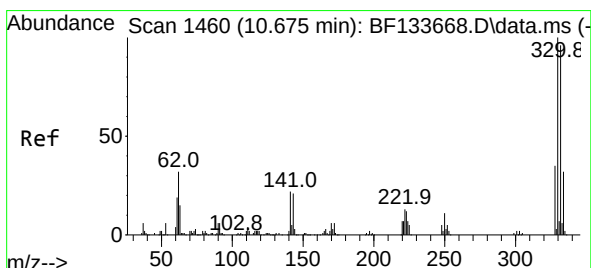
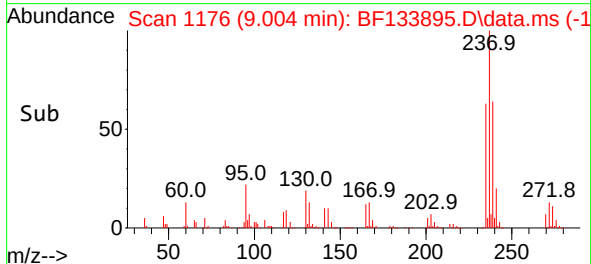
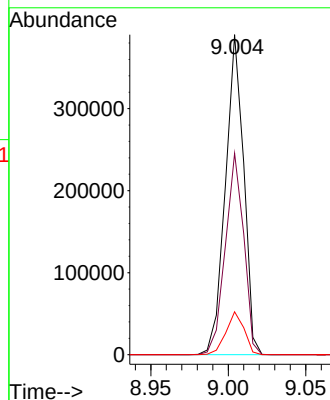
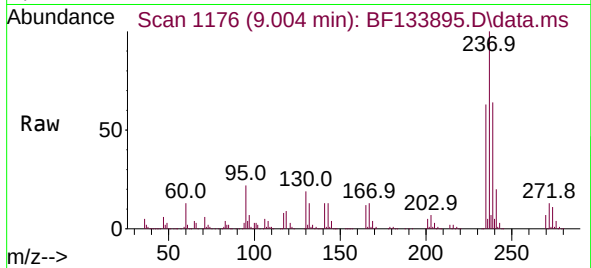




#41  
Hexachlorocyclopentadiene  
Concen: 126.333 ng  
RT: 9.004 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

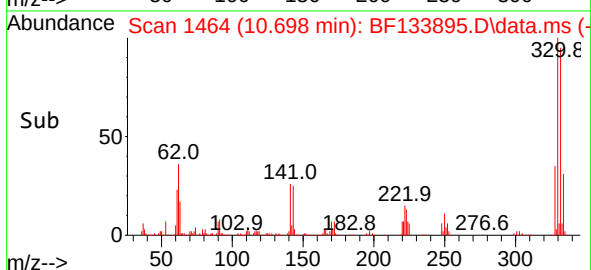
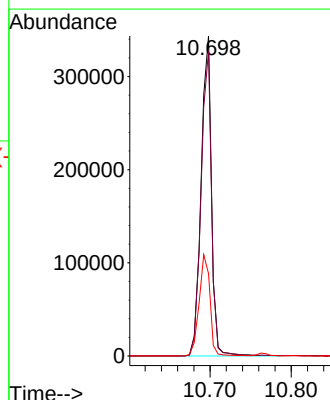
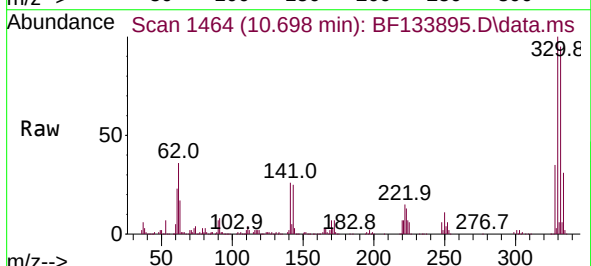
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

Tgt Ion:237 Resp: 320394  
Ion Ratio Lower Upper  
237 100  
235 62.9 40.6 80.6  
272 13.4 0.0 32.6

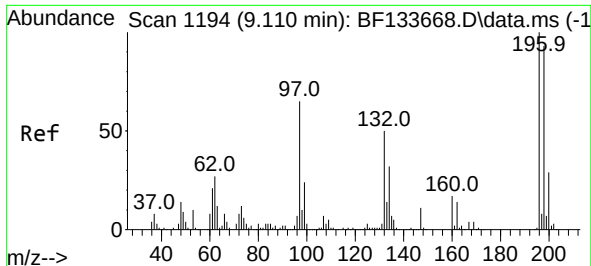


#42  
2,4,6-Tribromophenol  
Concen: 128.978 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:330 Resp: 305628  
Ion Ratio Lower Upper  
330 100  
332 95.7 77.2 115.8  
141 33.2 24.9 37.3







#43

2,4,6-Trichlorophenol

Concen: 47.857 ng

RT: 9.133 min Scan# 1194

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

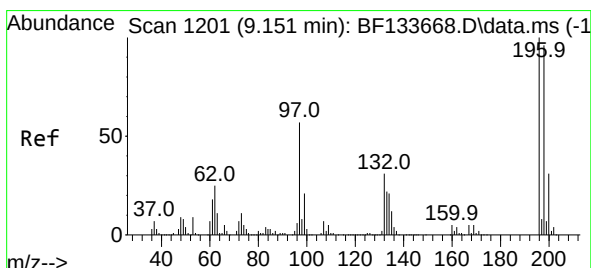
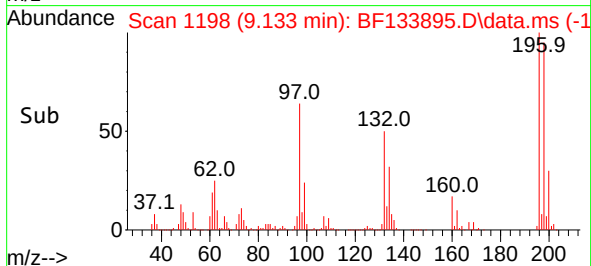
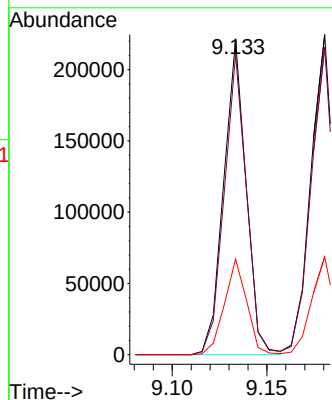
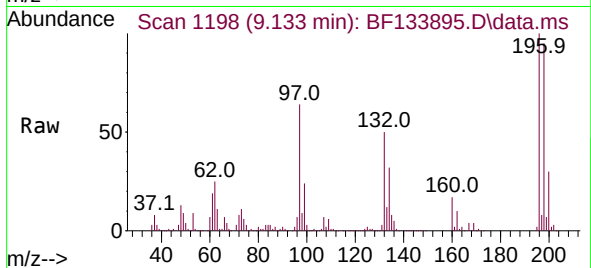
Tgt Ion:196 Resp: 181998

Ion Ratio Lower Upper

196 100

198 95.3 74.5 111.7

200 30.3 22.9 34.3



#44

2,4,5-Trichlorophenol

Concen: 45.089 ng

RT: 9.181 min Scan# 1206

Delta R.T. 0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Tgt Ion:196 Resp: 199487

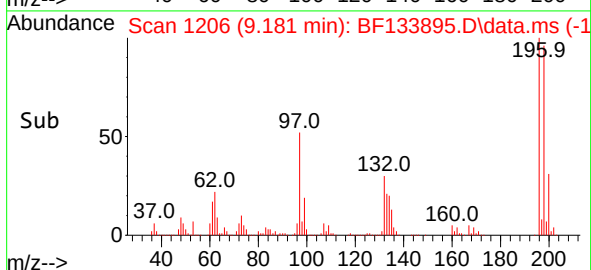
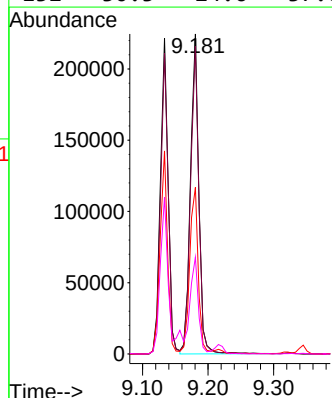
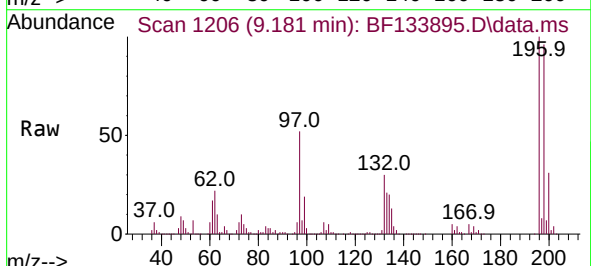
Ion Ratio Lower Upper

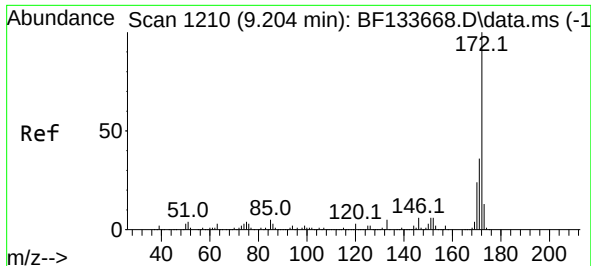
196 100

198 96.1 76.8 115.2

97 52.0 45.4 68.2

132 30.3 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 86.643 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

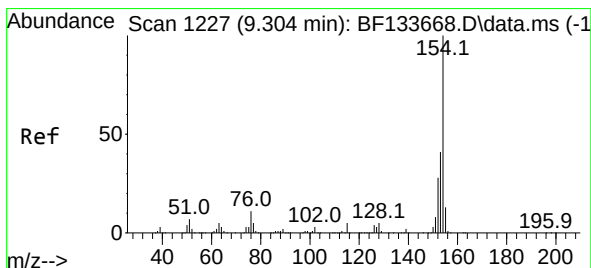
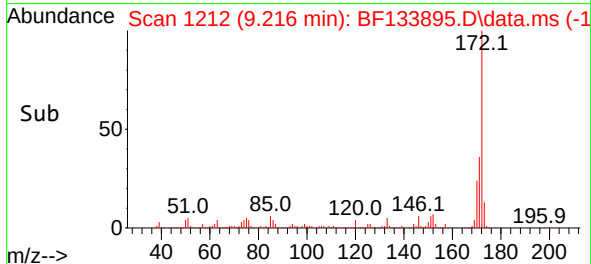
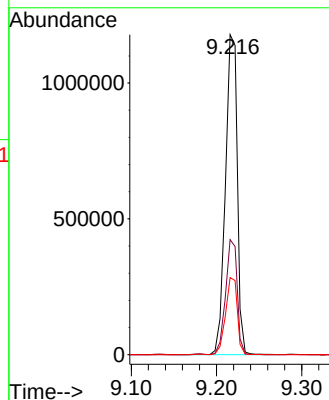
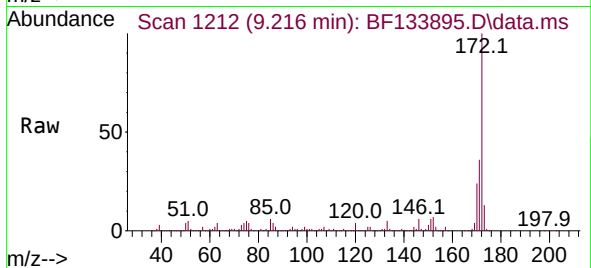
Tgt Ion:172 Resp: 1140999

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

170 24.1 19.1 28.7



#46

1,1'-Biphenyl

Concen: 48.099 ng

RT: 9.322 min Scan# 1230

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

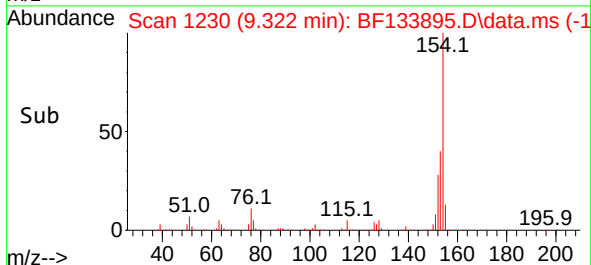
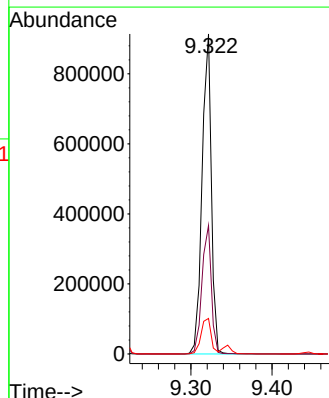
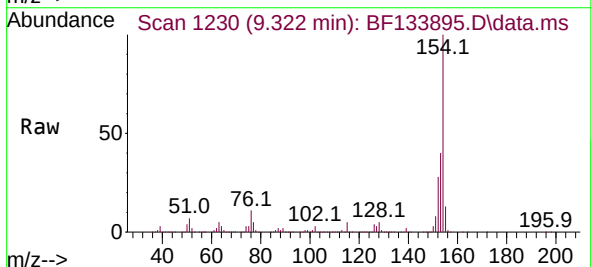
Tgt Ion:154 Resp: 726193

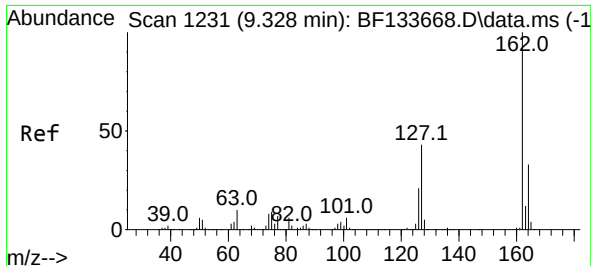
Ion Ratio Lower Upper

154 100

153 40.1 20.6 60.6

76 11.1 0.0 31.0





#47

2-Chloronaphthalene

Concen: 49.095 ng

RT: 9.345 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

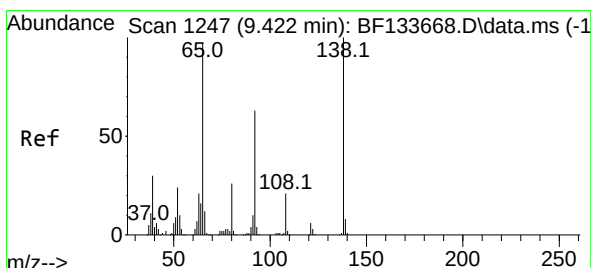
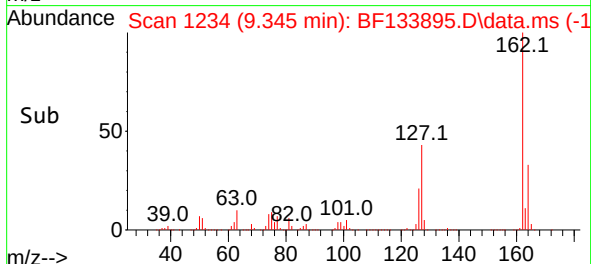
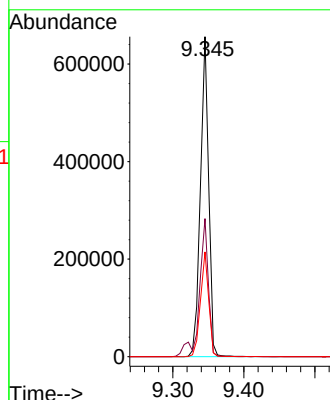
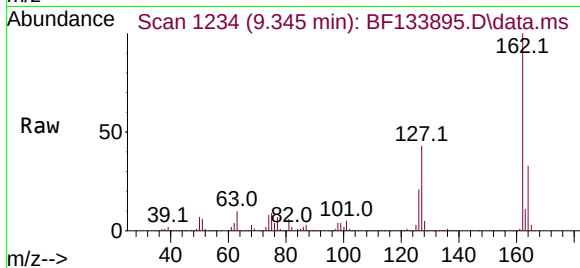
Tgt Ion:162 Resp: 531697

Ion Ratio Lower Upper

162 100

127 43.2 34.6 52.0

164 32.7 26.4 39.6



#48

2-Nitroaniline

Concen: 47.633 ng

RT: 9.445 min Scan# 1251

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

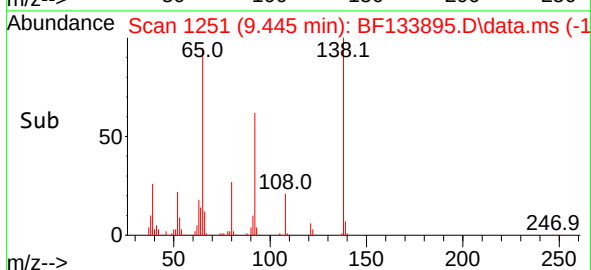
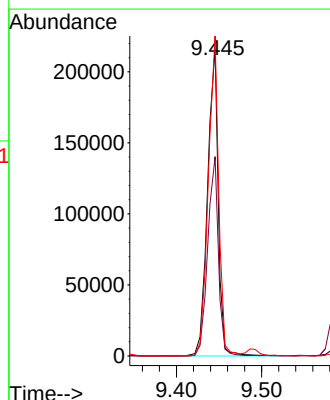
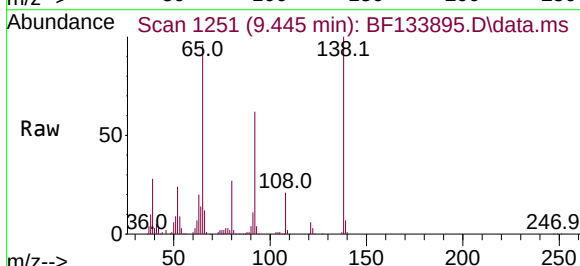
Tgt Ion: 65 Resp: 188664

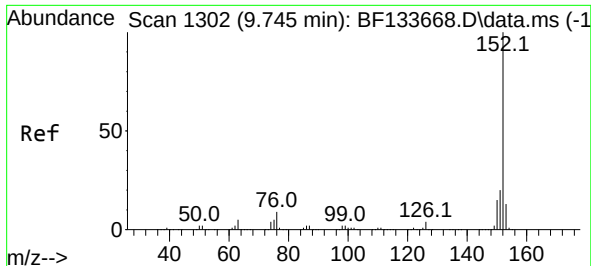
Ion Ratio Lower Upper

65 100

92 64.9 51.8 77.6

138 104.2 82.1 123.1





#49

Acenaphthylene

Concen: 46.993 ng

RT: 9.763 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

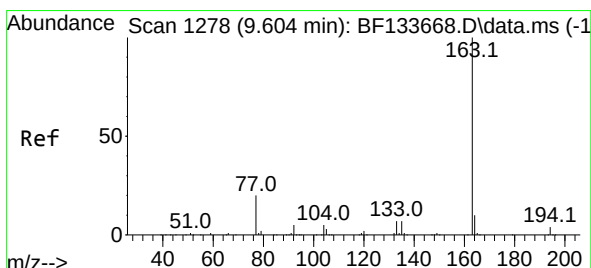
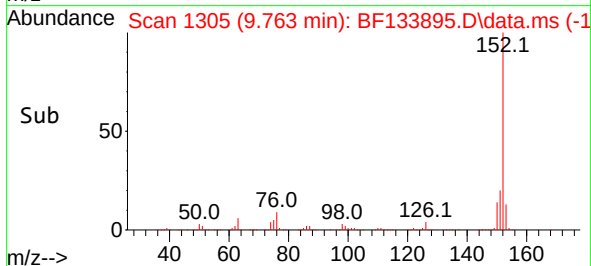
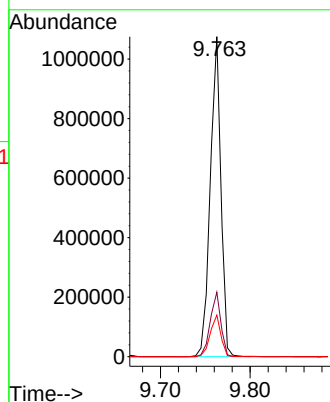
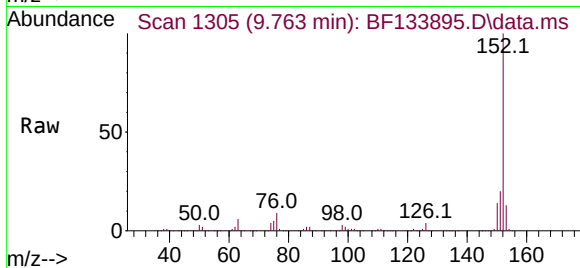
Tgt Ion:152 Resp: 885805

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

153 13.0 10.4 15.6



#50

Dimethylphthalate

Concen: 46.978 ng

RT: 9.622 min Scan# 1281

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

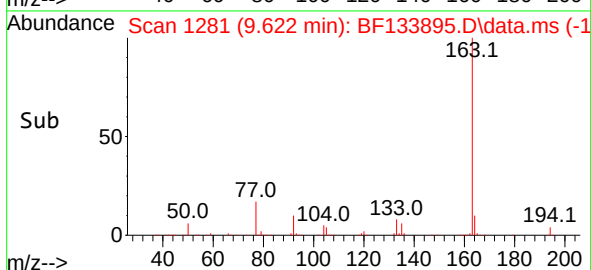
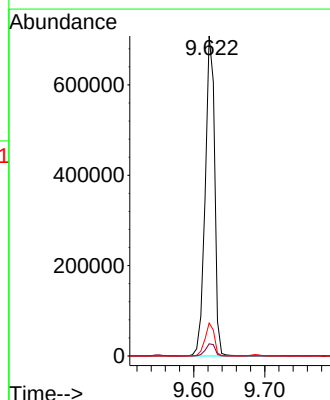
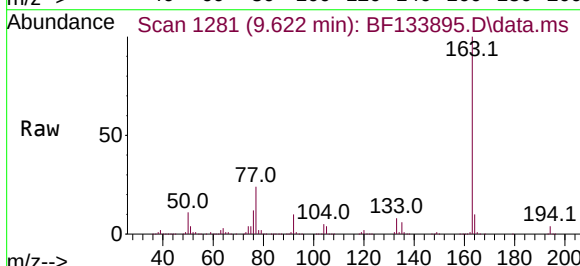
Tgt Ion:163 Resp: 656422

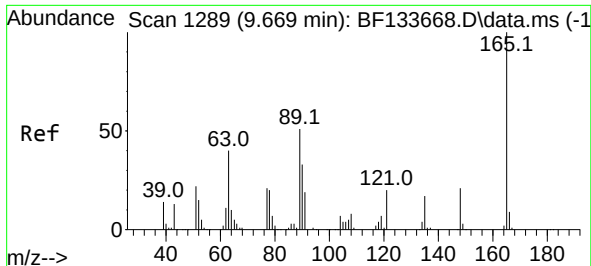
Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

164 10.3 8.0 12.0





#51

2,6-Dinitrotoluene

Concen: 49.856 ng

RT: 9.686 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

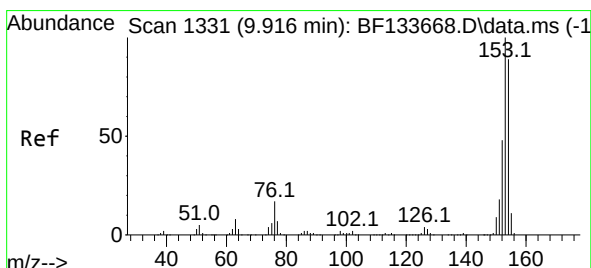
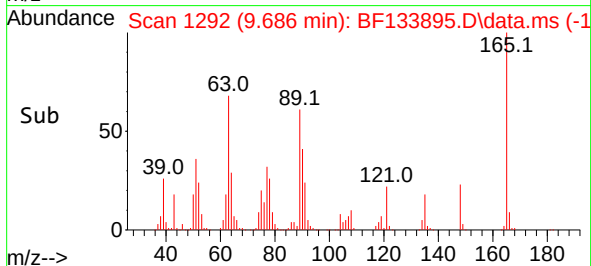
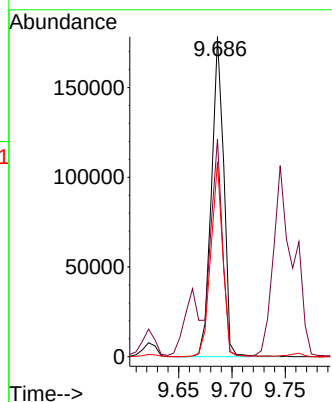
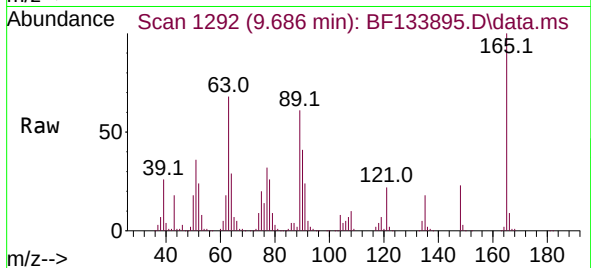
Tgt Ion:165 Resp: 143790

Ion Ratio Lower Upper

165 100

63 68.0 42.1 63.1#

89 60.9 40.9 61.3



#52

Acenaphthene

Concen: 47.227 ng

RT: 9.933 min Scan# 1334

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

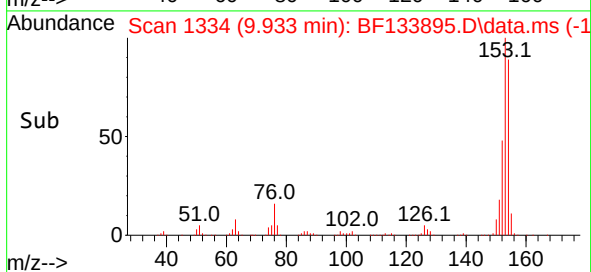
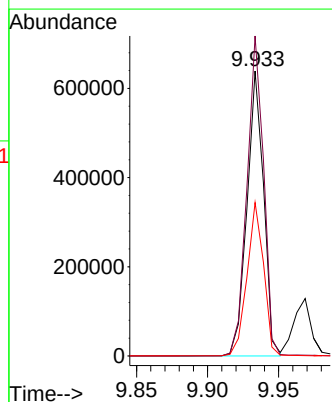
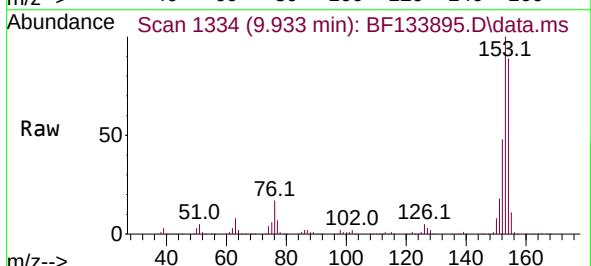
Tgt Ion:154 Resp: 521066

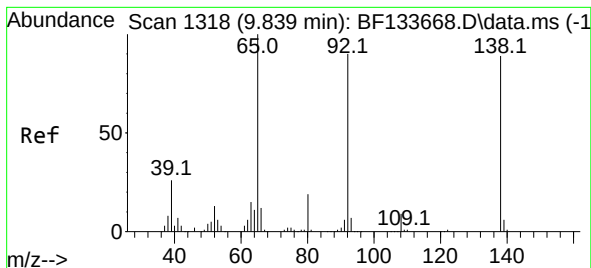
Ion Ratio Lower Upper

154 100

153 112.3 89.8 134.8

152 53.9 43.4 65.2





#53

3-Nitroaniline

Concen: 28.549 ng

RT: 9.857 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

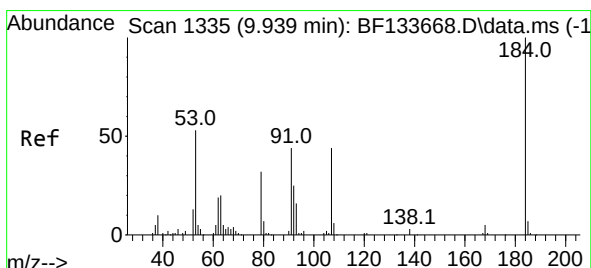
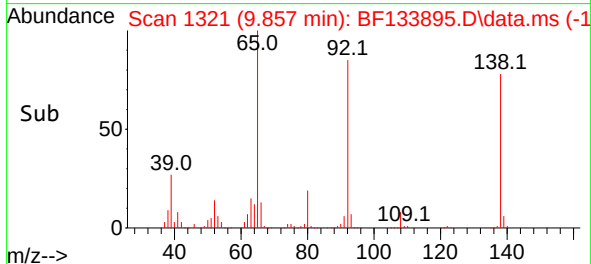
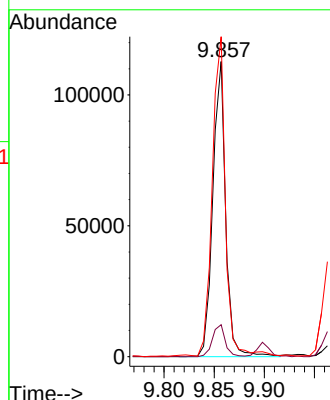
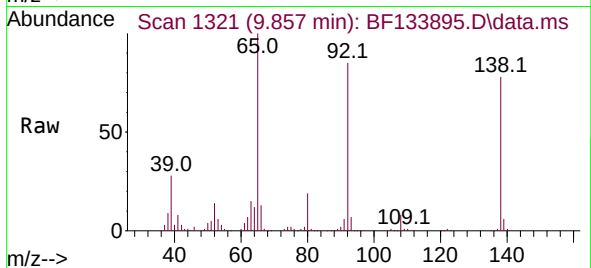
Tgt Ion:138 Resp: 100200

Ion Ratio Lower Upper

138 100

108 10.9 8.2 12.4

92 108.4 81.0 121.6



#54

2,4-Dinitrophenol

Concen: 119.228 ng

RT: 9.969 min Scan# 1340

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

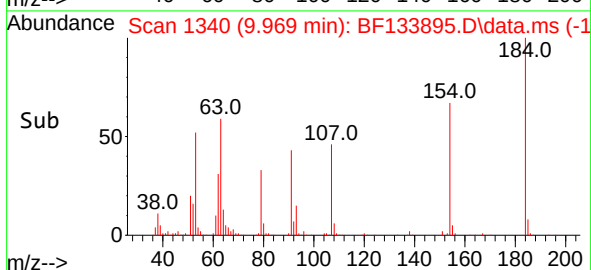
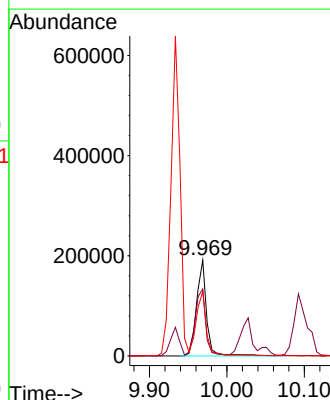
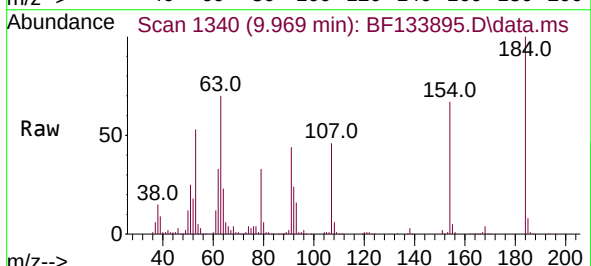
Tgt Ion:184 Resp: 172291

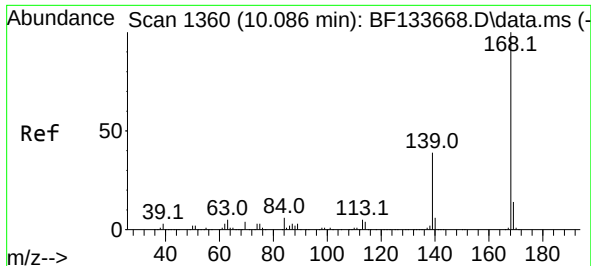
Ion Ratio Lower Upper

184 100

63 70.0 55.3 82.9

154 67.4 51.9 77.9

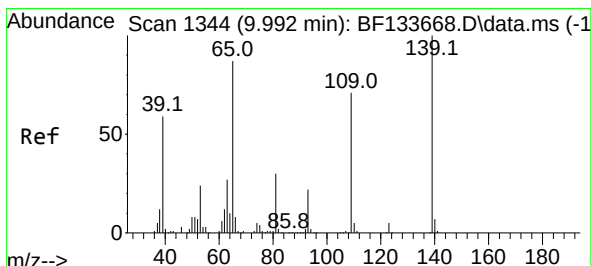
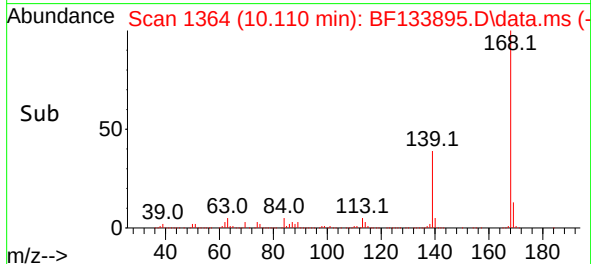
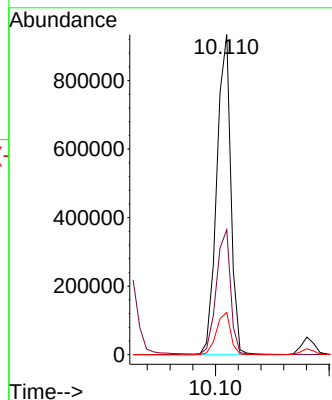
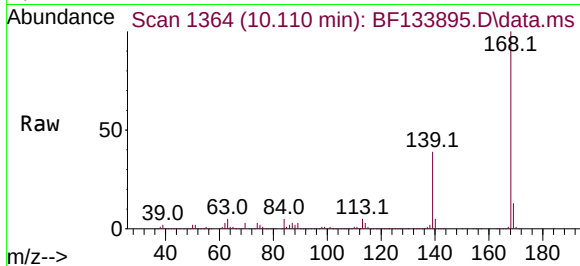




#55  
Dibenzofuran  
Concen: 47.568 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

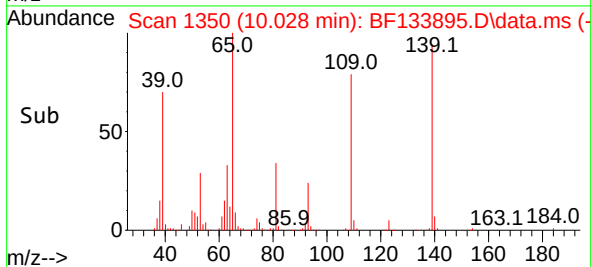
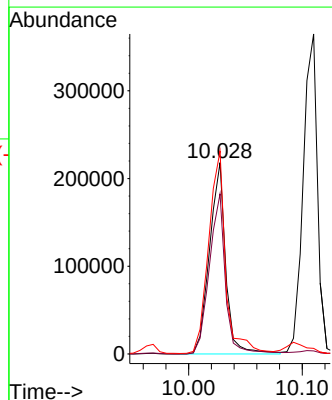
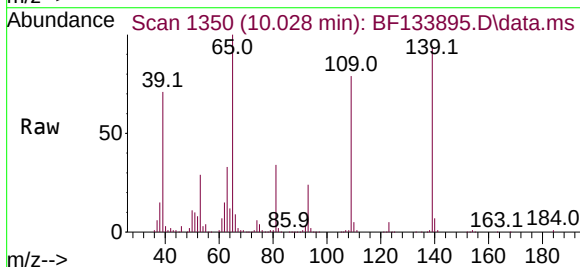
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

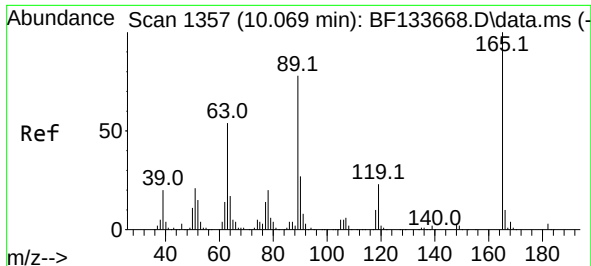
Tgt Ion:168 Resp: 800838  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.9 46.3  
169 13.2 10.9 16.3



#56  
4-Nitrophenol  
Concen: 91.067 ng  
RT: 10.028 min Scan# 1350  
Delta R.T. 0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

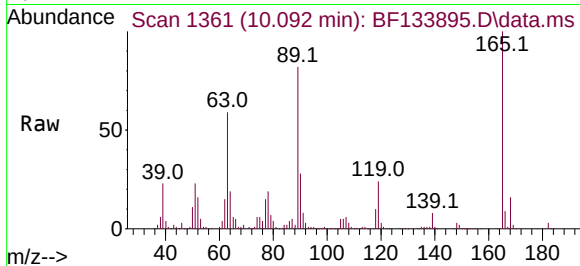
Tgt Ion:139 Resp: 215714  
Ion Ratio Lower Upper  
139 100  
109 83.7 50.7 90.7  
65 106.0 67.1 107.1



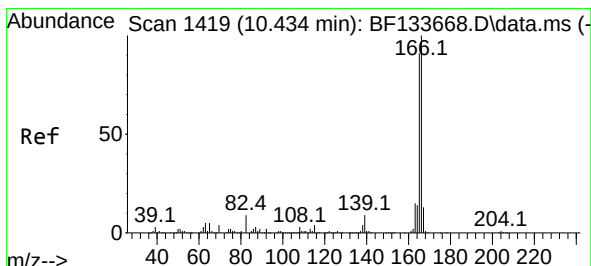
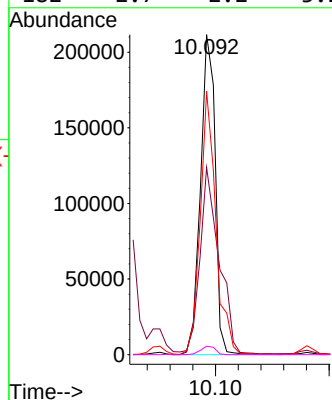
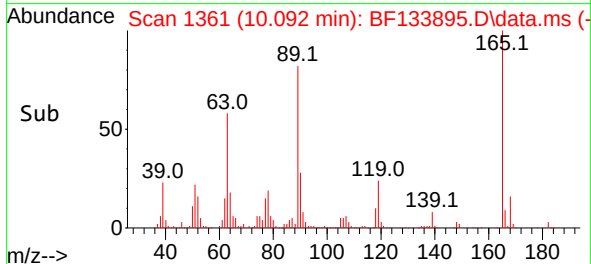


#57  
2,4-Dinitrotoluene  
Concen: 52.112 ng  
RT: 10.092 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

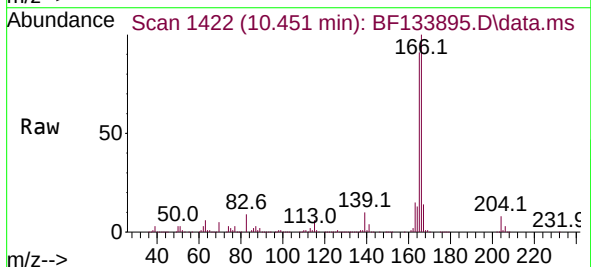
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD



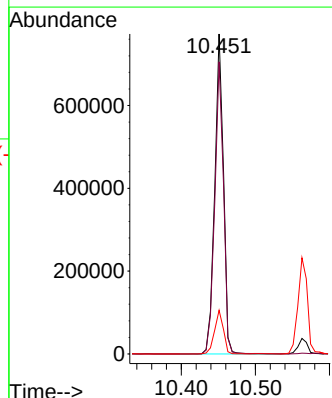
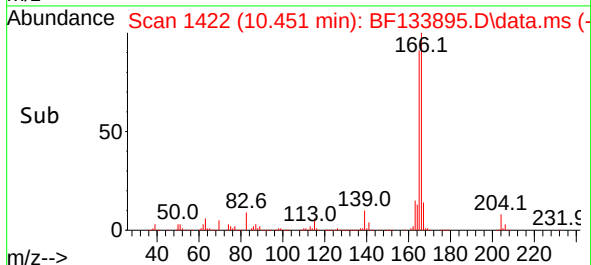
Tgt Ion:165 Resp: 191148  
Ion Ratio Lower Upper  
165 100  
63 58.6 43.0 64.6  
89 82.2 62.6 93.8  
182 2.7 2.2 3.2



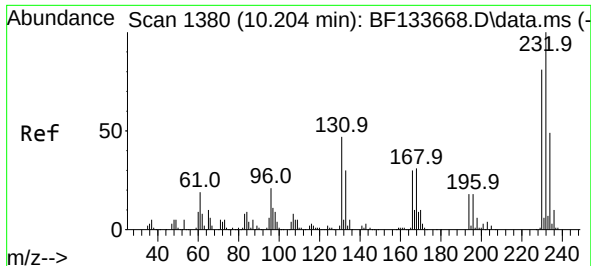
#58  
Fluorene  
Concen: 48.784 ng  
RT: 10.451 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47



Tgt Ion:166 Resp: 628081  
Ion Ratio Lower Upper  
166 100  
165 91.3 73.1 109.7  
167 13.7 10.5 15.7







#59

2,3,4,6-Tetrachlorophenol

Concen: 52.244 ng

RT: 10.228 min Scan# 1400

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

Tgt Ion:232 Resp: 173054

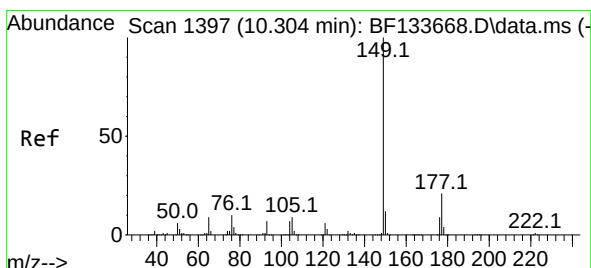
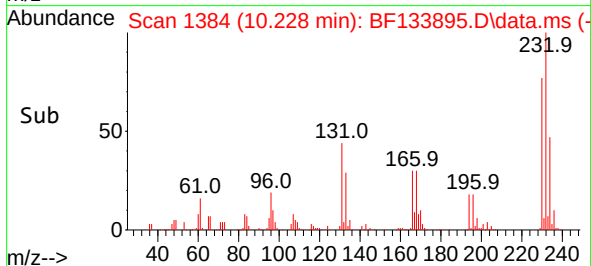
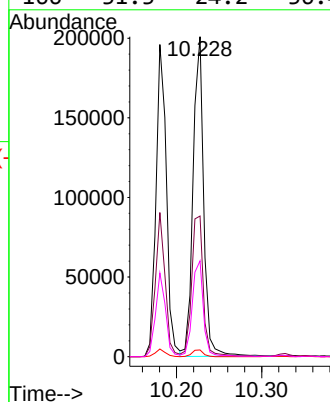
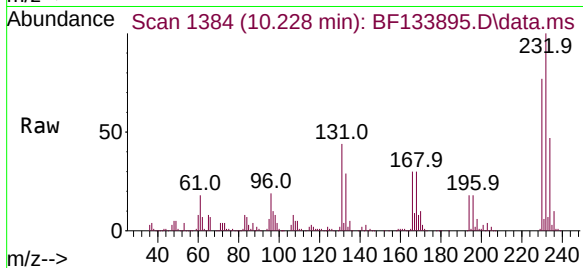
Ion Ratio Lower Upper

232 100

131 48.8 38.0 57.0

130 2.3 1.8 2.8

166 31.3 24.2 36.4



#60

Diethylphthalate

Concen: 48.146 ng

RT: 10.328 min Scan# 1401

Delta R.T. 0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

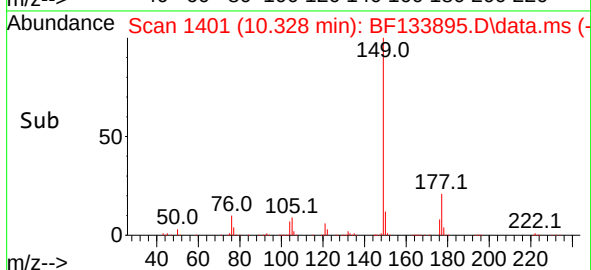
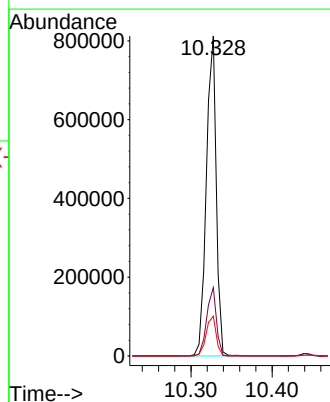
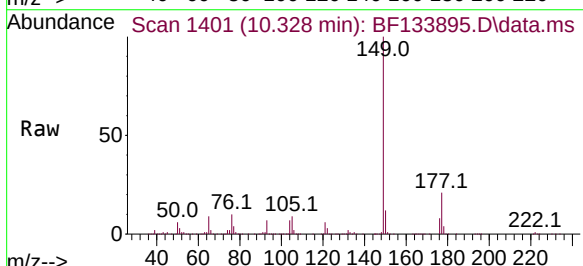
Tgt Ion:149 Resp: 684690

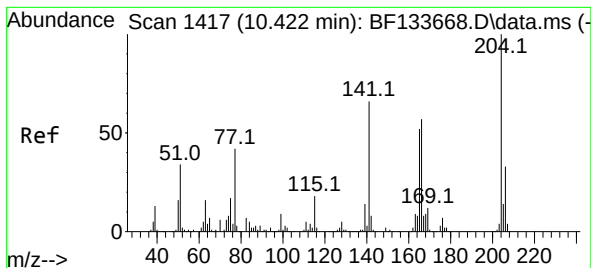
Ion Ratio Lower Upper

149 100

177 21.3 17.0 25.6

150 12.5 10.0 15.0

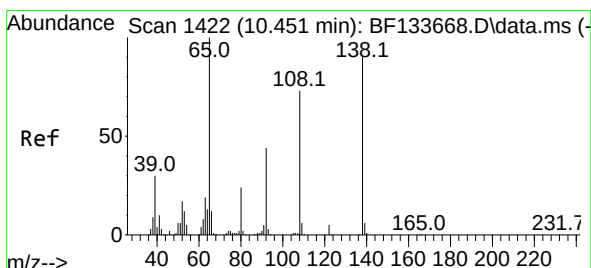
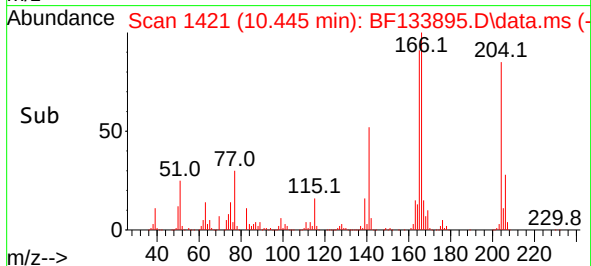
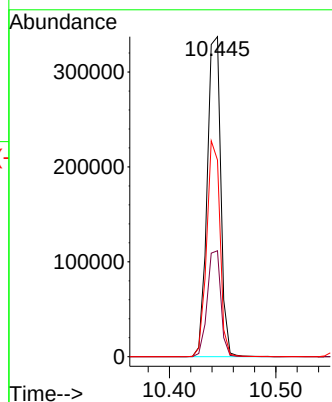
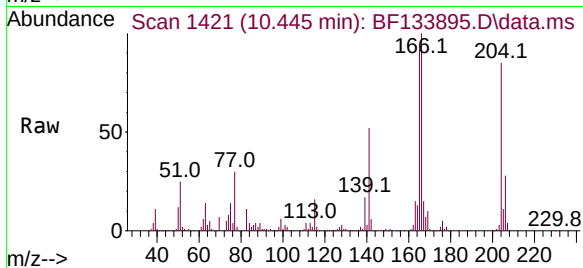




#61  
4-Chlorophenyl-phenylether  
Concen: 47.204 ng  
RT: 10.445 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

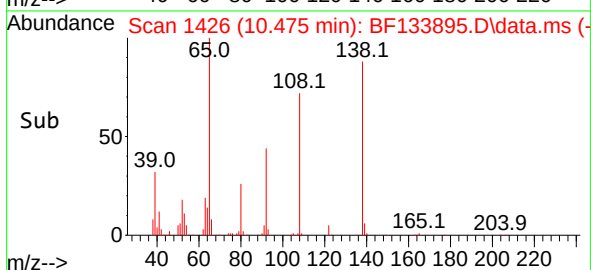
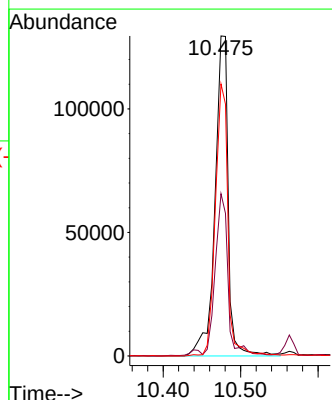
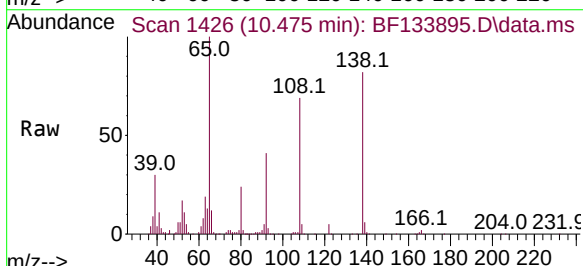
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

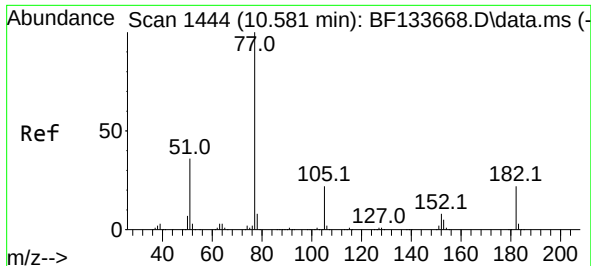
Tgt Ion:204 Resp: 300027  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.4 39.6  
141 61.4 52.8 79.2



#62  
4-Nitroaniline  
Concen: 44.917 ng  
RT: 10.475 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:138 Resp: 154572  
Ion Ratio Lower Upper  
138 100  
92 50.7 28.9 68.9  
108 85.0 61.0 101.0

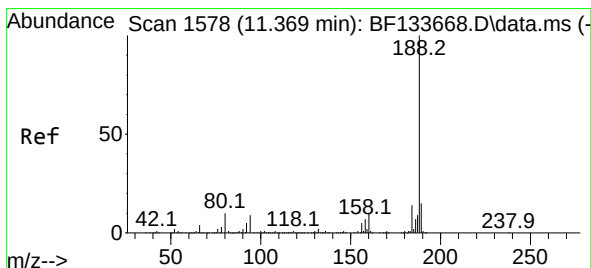
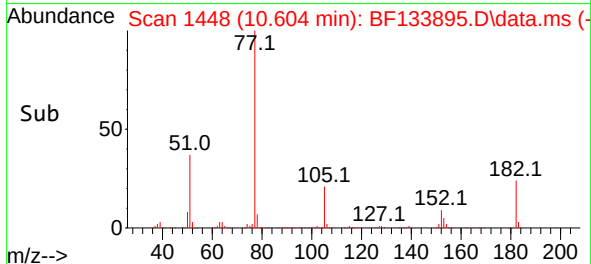
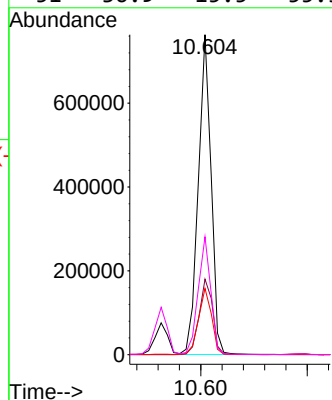
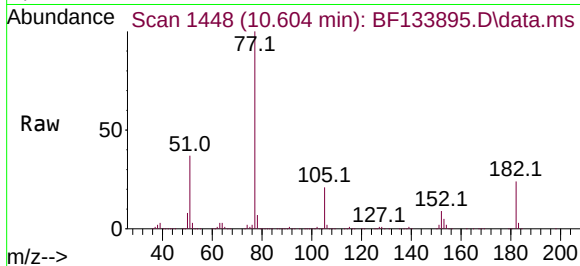




#63  
Azobenzene  
Concen: 47.520 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

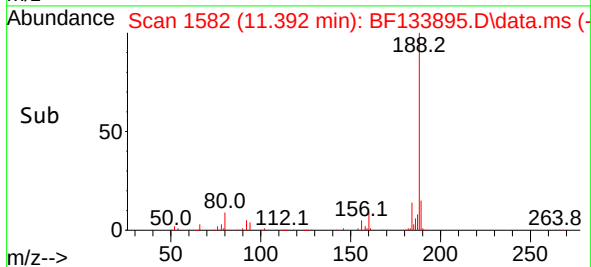
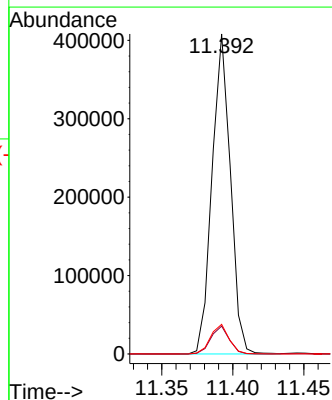
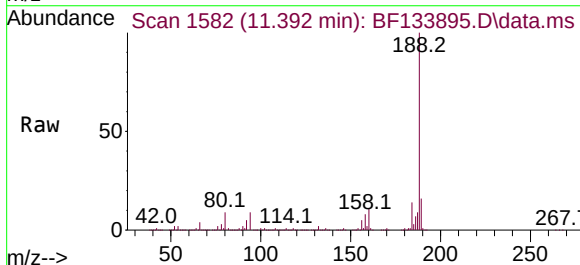
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

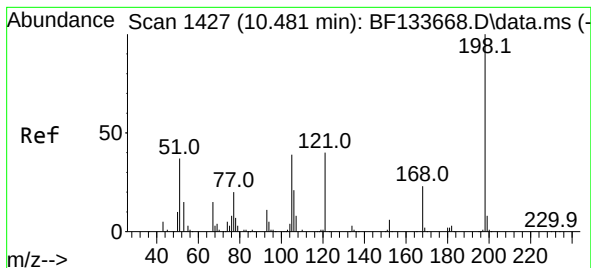
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 639743 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 23.6  | 1.6   | 41.6   |
| 105      | 20.7  | 1.6   | 41.6   |
| 51       | 36.9  | 15.5  | 55.5   |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 366896 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 8.7   | 6.8   | 10.2   |
| 80       | 9.3   | 7.8   | 11.6   |

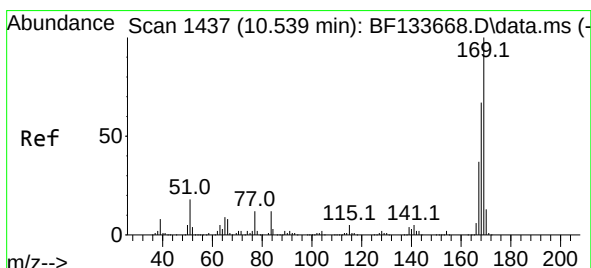
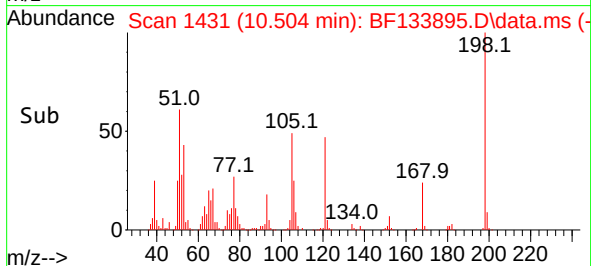
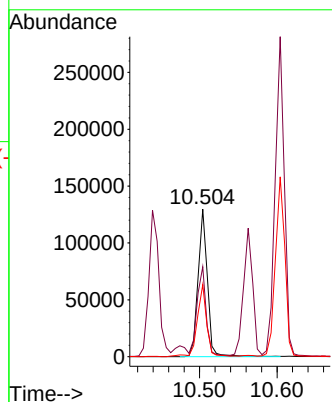
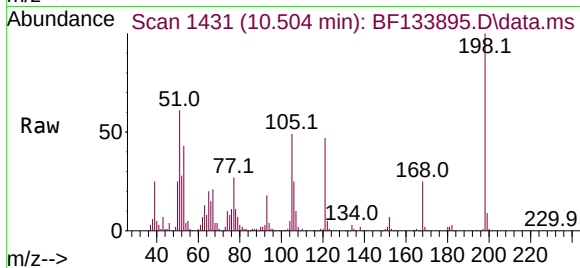




#65  
4,6-Dinitro-2-methylphenol  
Concen: 61.961 ng  
RT: 10.504 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

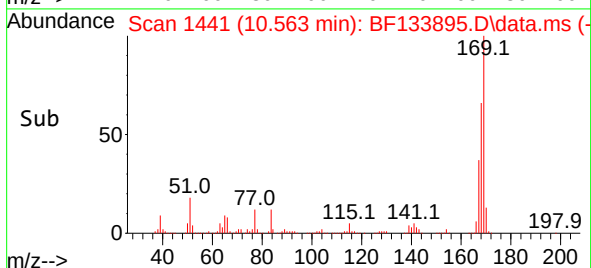
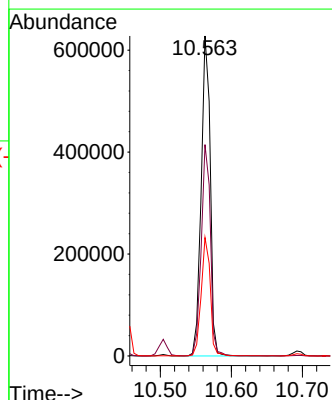
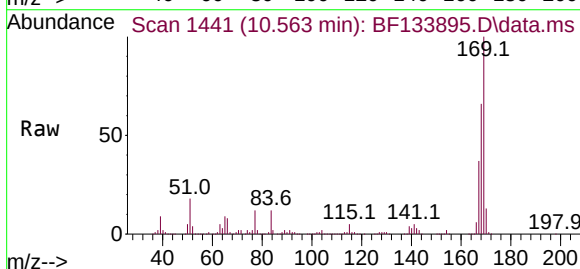
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

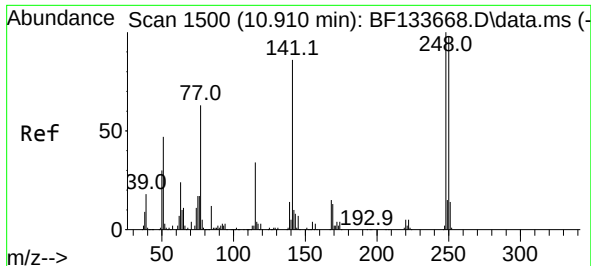
Tgt Ion:198 Resp: 108630  
Ion Ratio Lower Upper  
198 100  
51 60.9 27.5 67.5  
105 48.8 21.0 61.0



#66  
n-Nitrosodiphenylamine  
Concen: 45.245 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:169 Resp: 557602  
Ion Ratio Lower Upper  
169 100  
168 66.0 53.7 80.5  
167 37.0 29.8 44.8

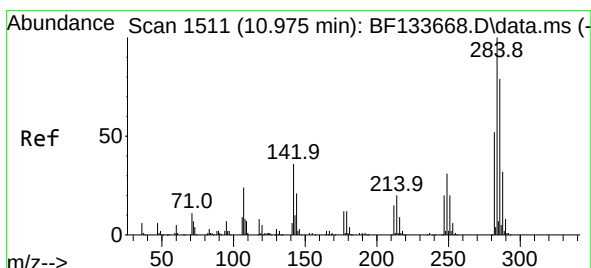
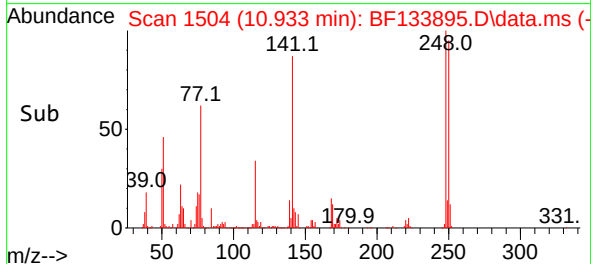
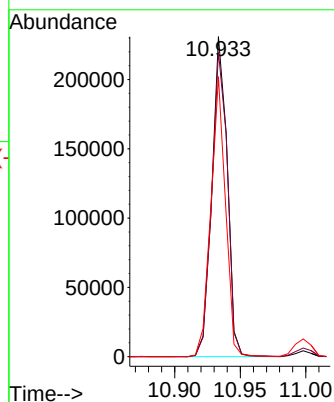
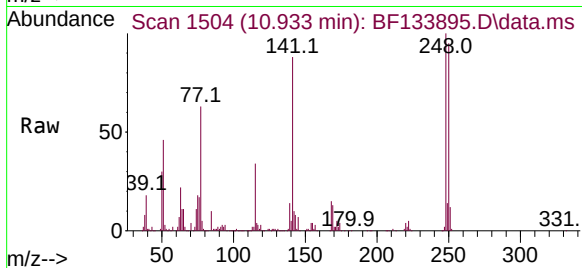




#67  
4-Bromophenyl-phenylether  
Concen: 45.933 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

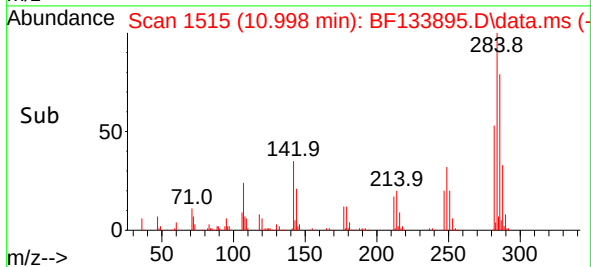
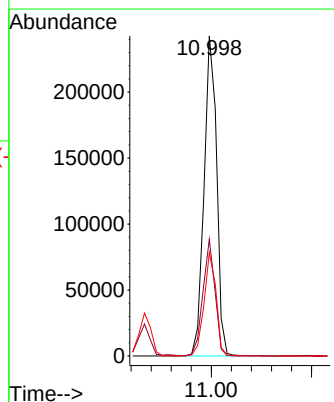
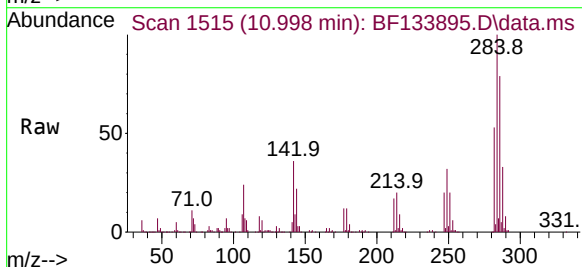
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

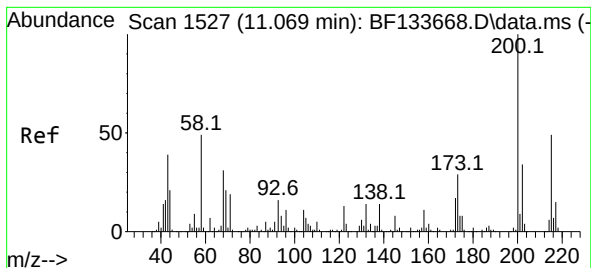
Tgt Ion:248 Resp: 188096  
Ion Ratio Lower Upper  
248 100  
250 95.3 78.3 117.5  
141 87.5 69.0 103.6



#68  
Hexachlorobenzene  
Concen: 49.356 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:284 Resp: 212542  
Ion Ratio Lower Upper  
284 100  
142 36.4 28.6 42.8  
249 32.2 24.6 36.8





#69

Atrazine

Concen: 51.583 ng

RT: 11.098 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

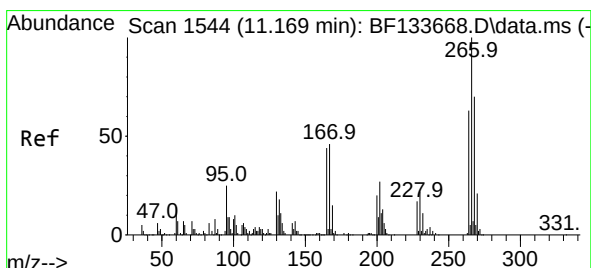
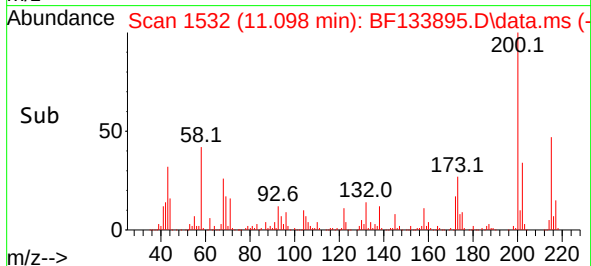
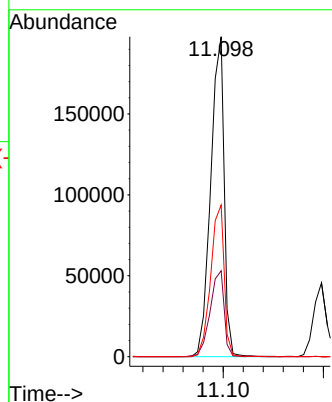
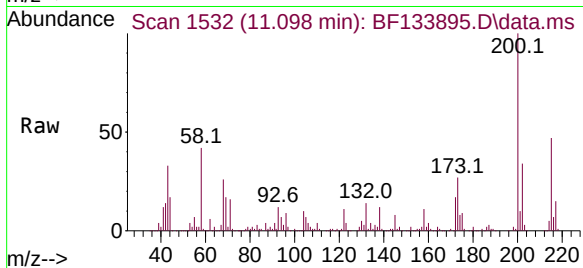
Tgt Ion:200 Resp: 184453

Ion Ratio Lower Upper

200 100

173 26.9 8.7 48.7

215 47.4 29.0 69.0



#70

Pentachlorophenol

Concen: 85.086 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

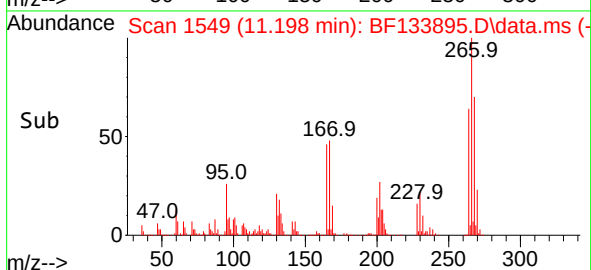
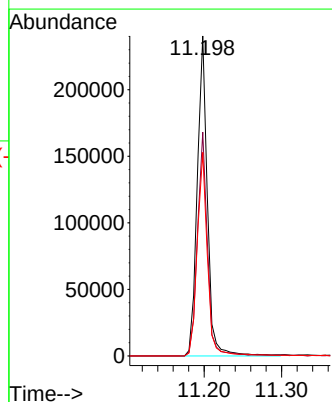
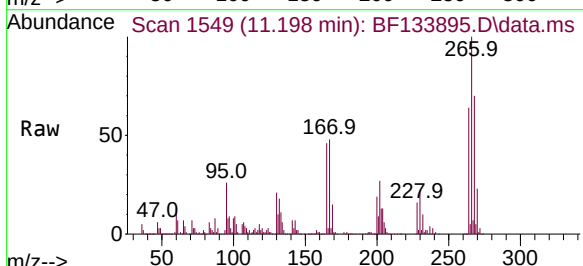
Tgt Ion:266 Resp: 219405

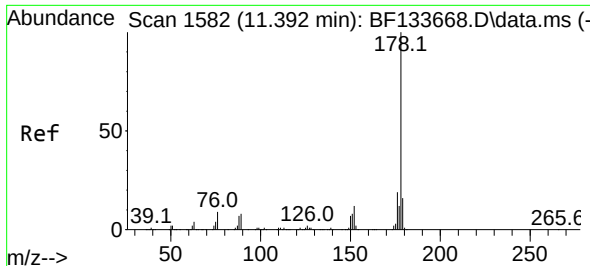
Ion Ratio Lower Upper

266 100

268 70.0 55.7 83.5

264 63.6 50.7 76.1

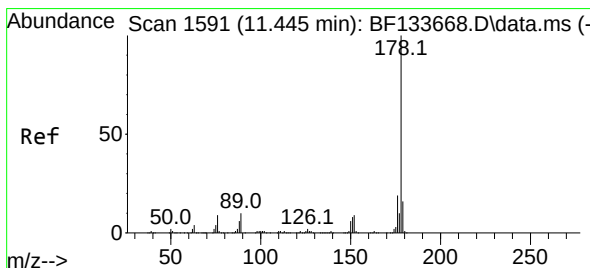
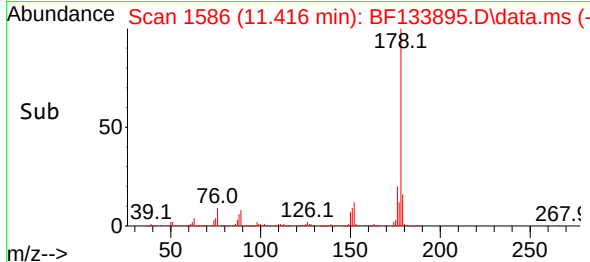
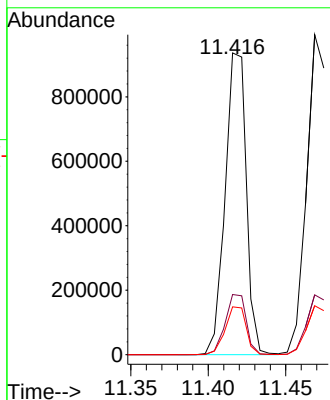
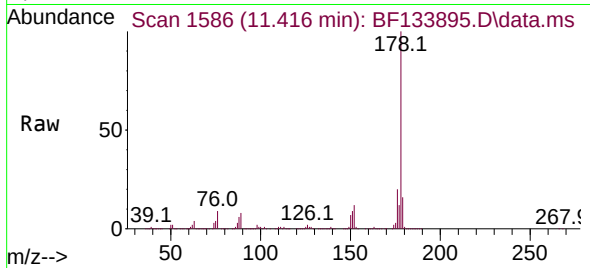




#71  
Phenanthrene  
Concen: 47.858 ng  
RT: 11.416 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

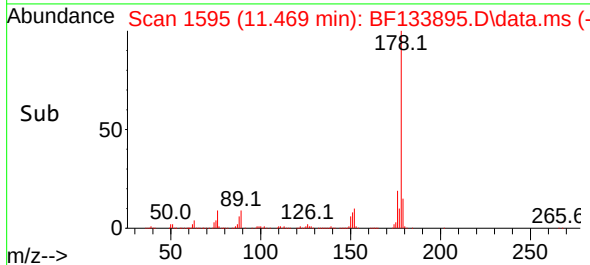
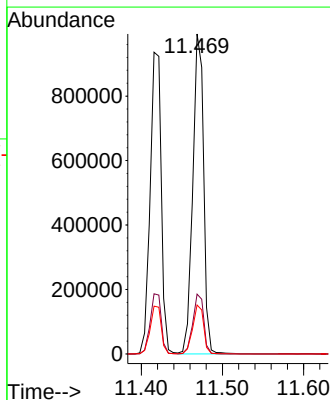
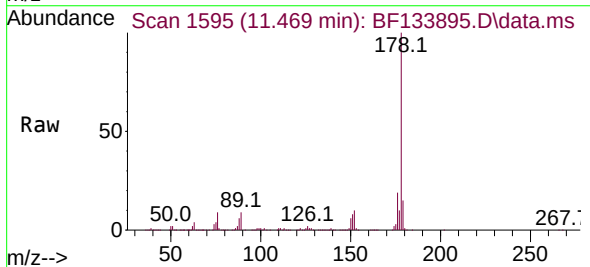
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

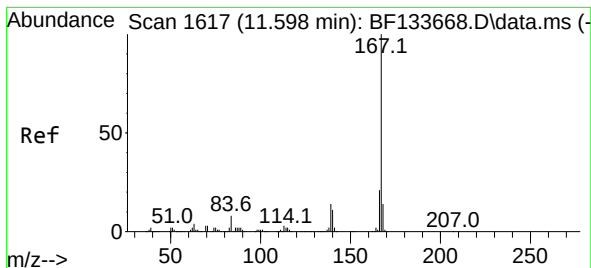
Tgt Ion:178 Resp: 890851  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.6 23.4  
179 15.9 12.4 18.6



#72  
Anthracene  
Concen: 47.715 ng  
RT: 11.469 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:178 Resp: 926107  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.1 22.7  
179 15.3 12.6 18.8





#73

Carbazole

Concen: 47.744 ng

RT: 11.627 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

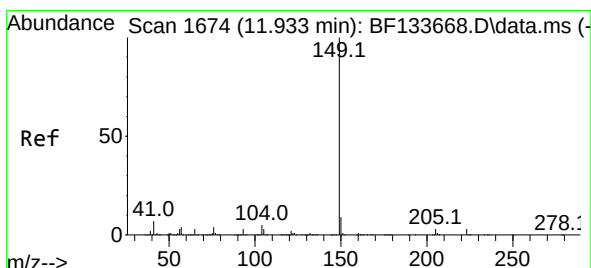
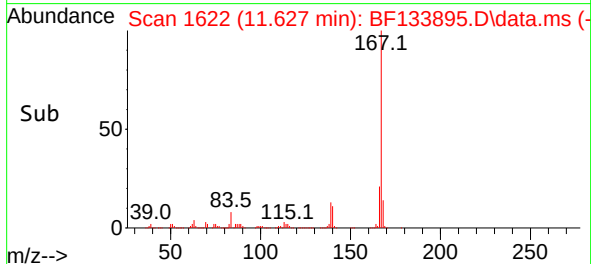
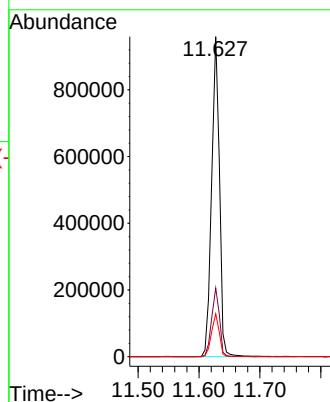
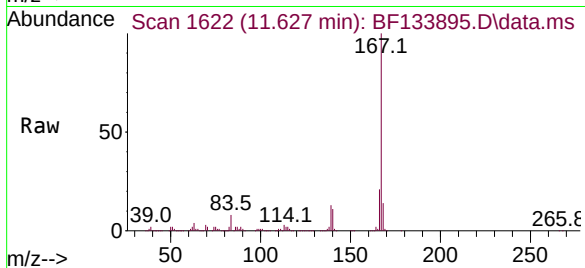
Tgt Ion:167 Resp: 863069

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

139 13.4 11.2 16.8



#74

Di-n-butylphthalate

Concen: 46.211 ng

RT: 11.957 min Scan# 1678

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

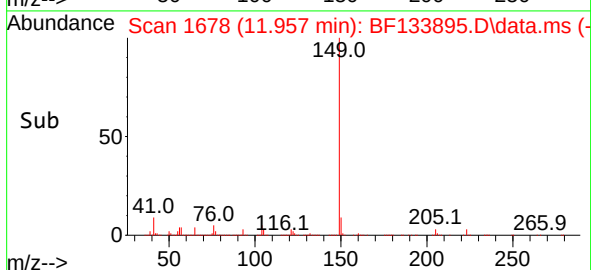
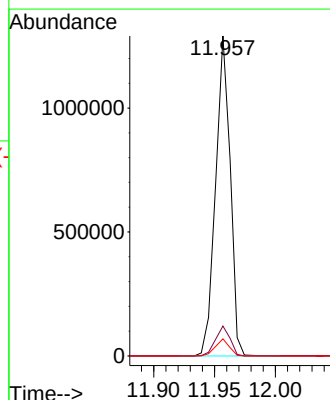
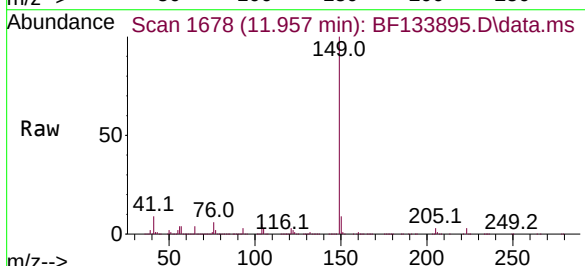
Tgt Ion:149 Resp: 1070928

Ion Ratio Lower Upper

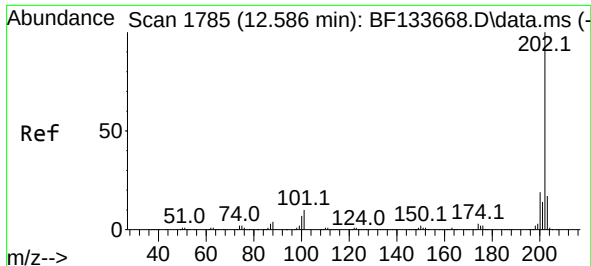
149 100

150 9.4 7.4 11.0

104 5.4 3.8 5.8



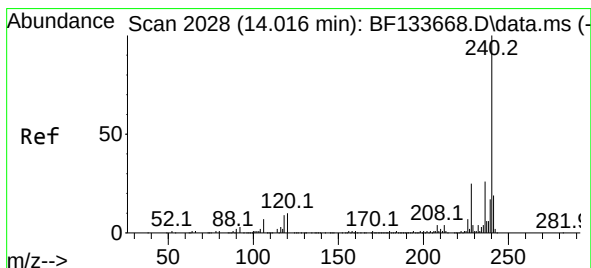
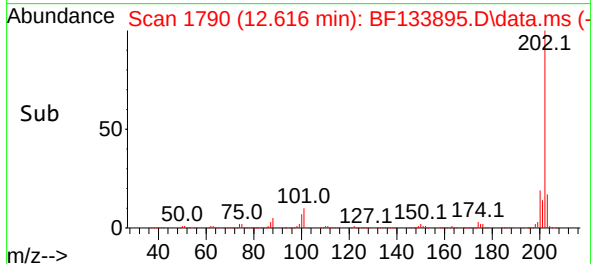
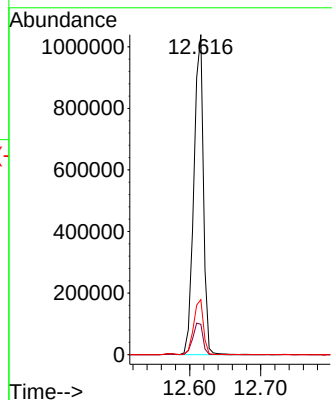
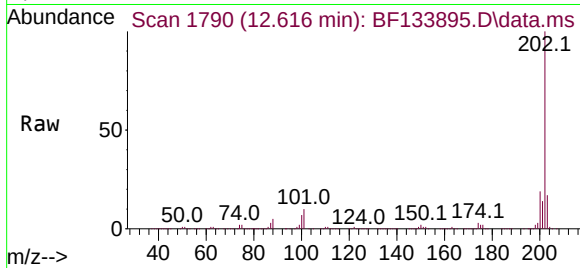




#75  
Fluoranthene  
Concen: 48.931 ng  
RT: 12.616 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

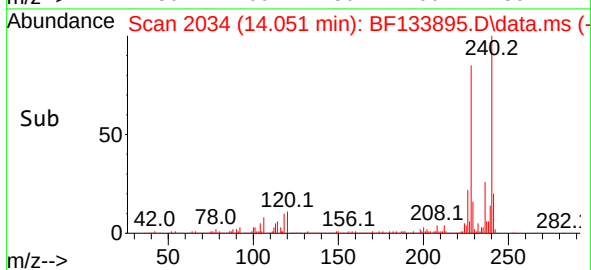
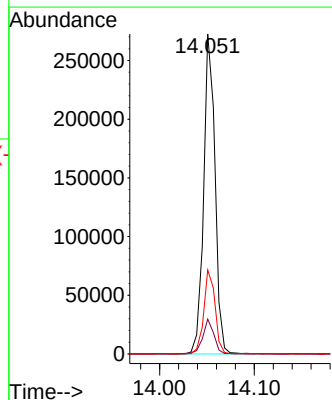
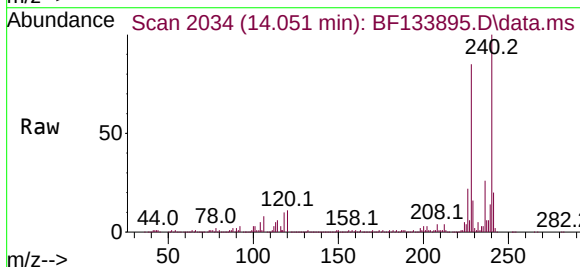
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

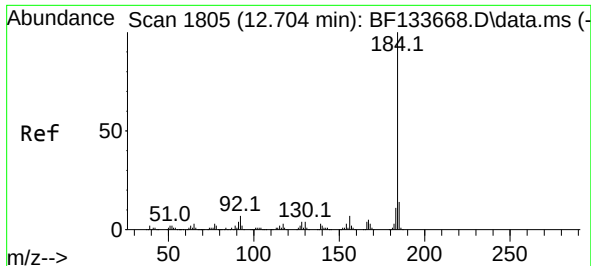
Tgt Ion:202 Resp: 967238  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 29.6  
203 17.2 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2034  
Delta R.T. -0.006 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:240 Resp: 228057  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.1 12.1  
236 26.2 20.5 30.7

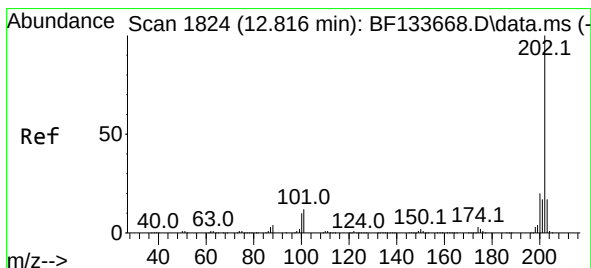
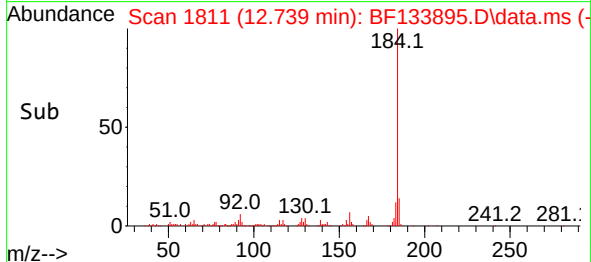
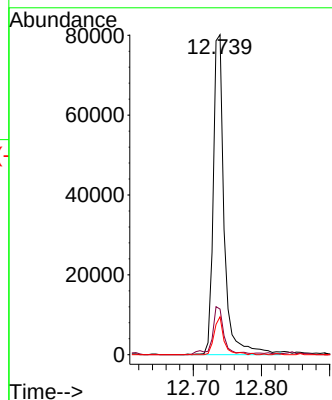
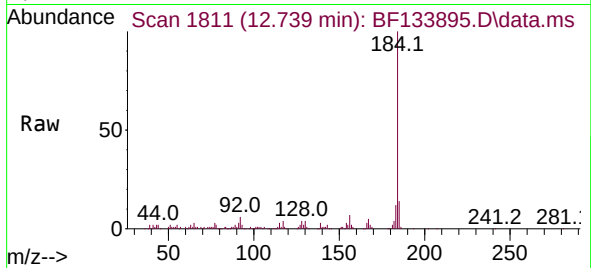




#77  
Benzidine  
Concen: 11.752 ng  
RT: 12.739 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

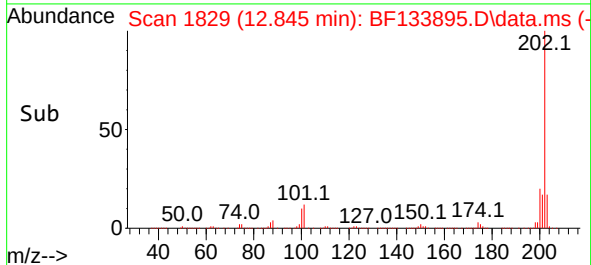
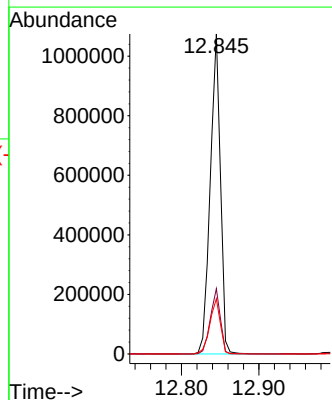
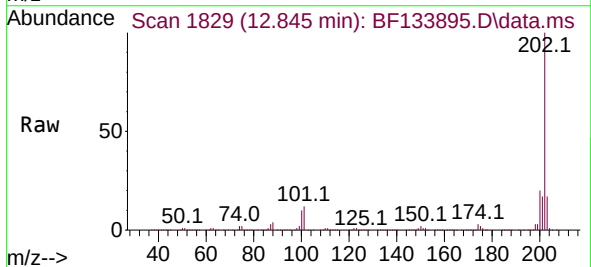
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

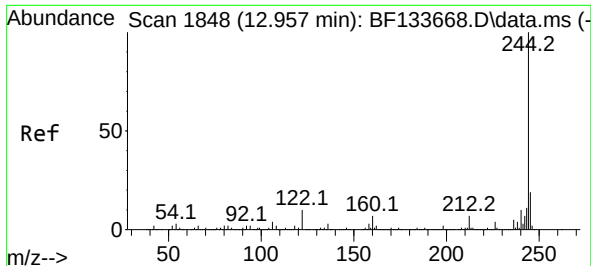
Tgt Ion:184 Resp: 89933  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.6 17.4  
183 11.9 8.4 12.6



#78  
Pyrene  
Concen: 46.111 ng  
RT: 12.845 min Scan# 1829  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

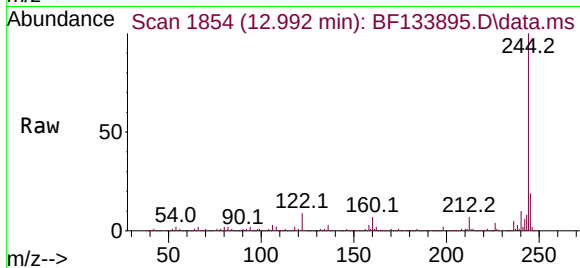
Tgt Ion:202 Resp: 979609  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.2 24.2  
203 17.3 13.9 20.9



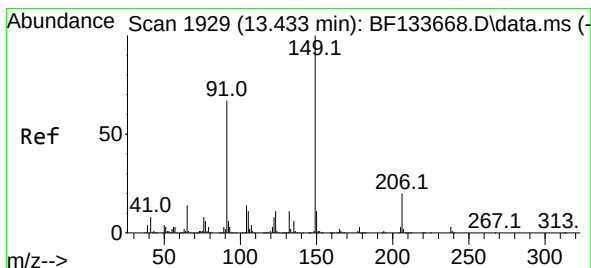
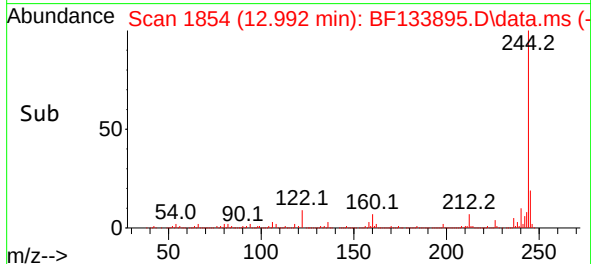
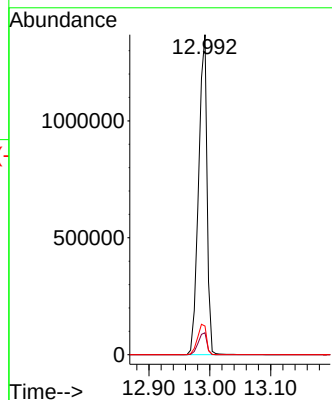


#79  
 Terphenyl-d14  
 Concen: 89.389 ng  
 RT: 12.992 min Scan# 1854  
 Delta R.T. 0.000 min  
 Lab File: BF133895.D  
 Acq: 22 Jun 2023 11:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-402-COMP-09MSD

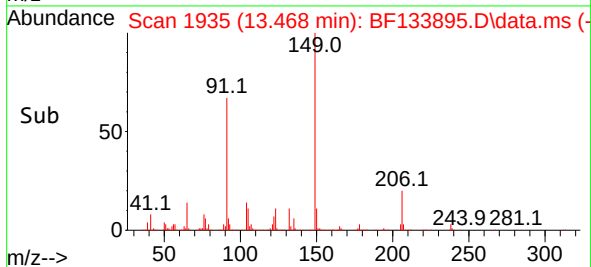
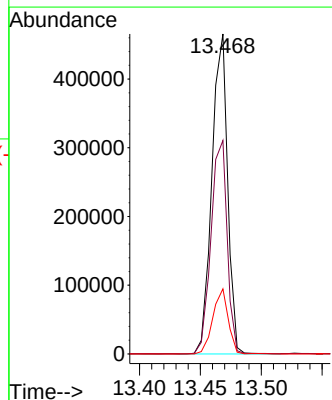
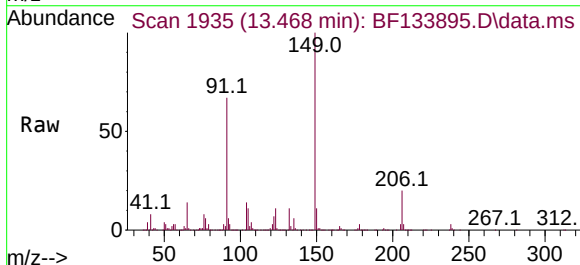


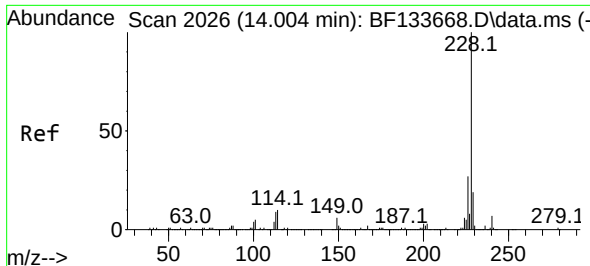
Tgt Ion:244 Resp: 1317472  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 9.0 8.1 12.1



#80  
 Butylbenzylphthalate  
 Concen: 46.546 ng  
 RT: 13.468 min Scan# 1935  
 Delta R.T. 0.000 min  
 Lab File: BF133895.D  
 Acq: 22 Jun 2023 11:47

Tgt Ion:149 Resp: 417456  
 Ion Ratio Lower Upper  
 149 100  
 91 66.7 54.0 81.0  
 206 20.3 15.6 23.4

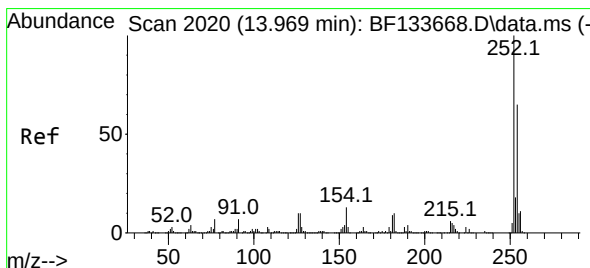
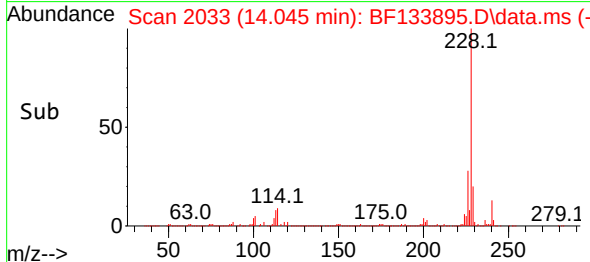
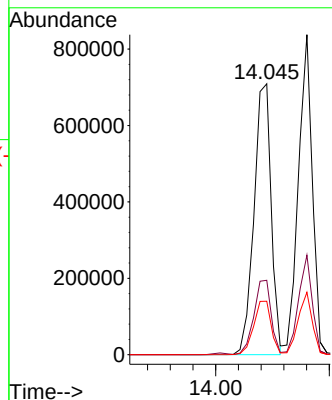
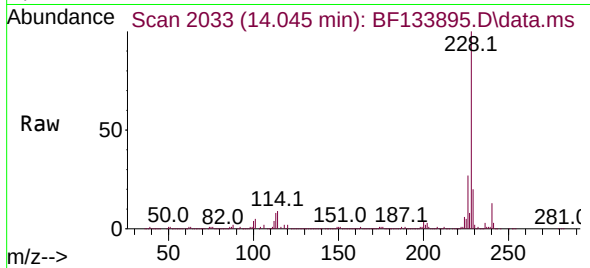




#81  
Benzo(a)anthracene  
Concen: 47.315 ng  
RT: 14.045 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

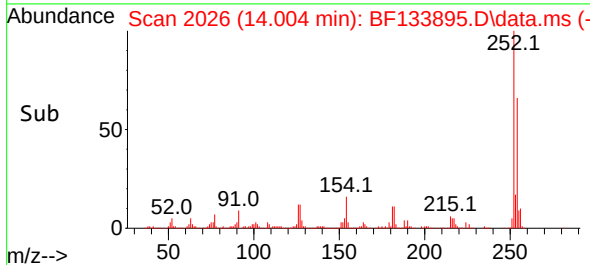
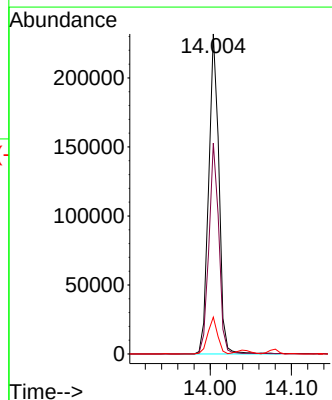
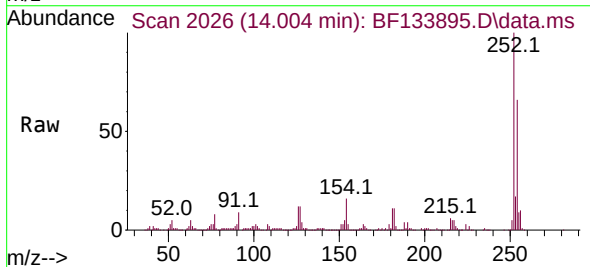
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

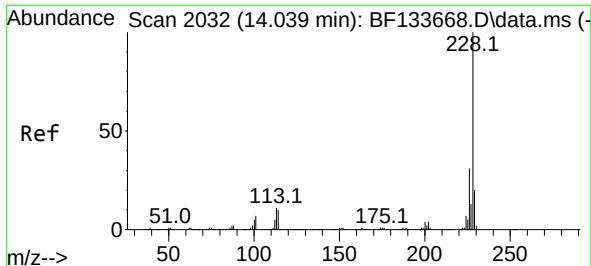
Tgt Ion:228 Resp: 746389  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 19.8 15.4 23.2



#82  
3,3'-Dichlorobenzidine  
Concen: 38.522 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

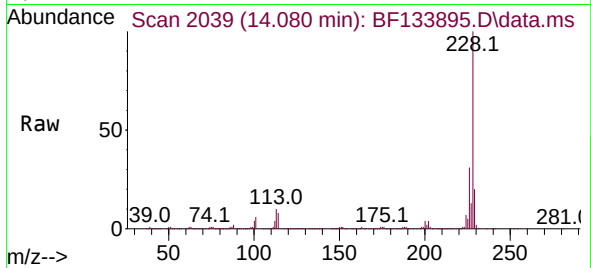
Tgt Ion:252 Resp: 202030  
Ion Ratio Lower Upper  
252 100  
254 65.9 51.9 77.9  
126 11.5 7.7 11.5



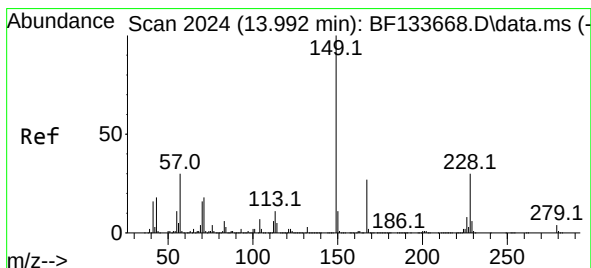
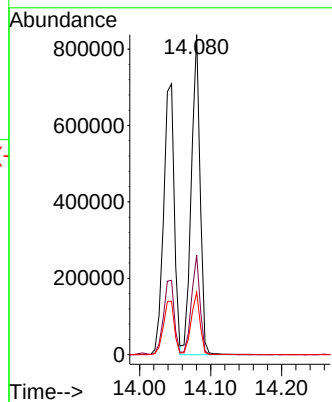
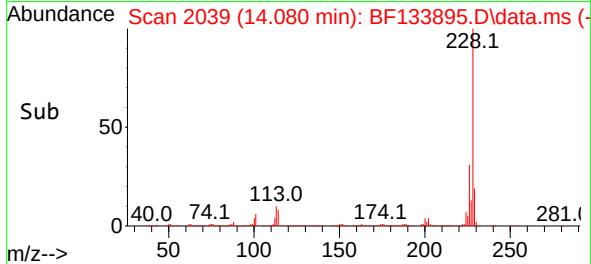


#83  
Chrysene  
Concen: 48.190 ng  
RT: 14.080 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

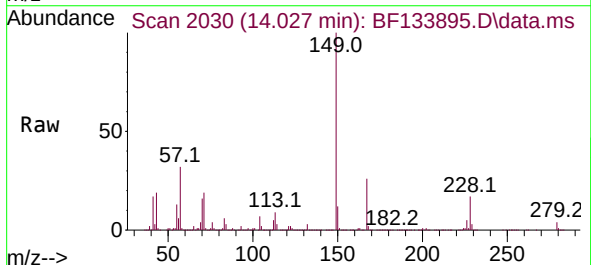
Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD



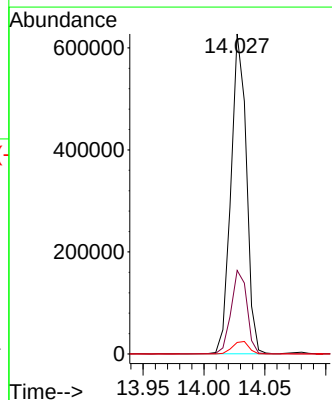
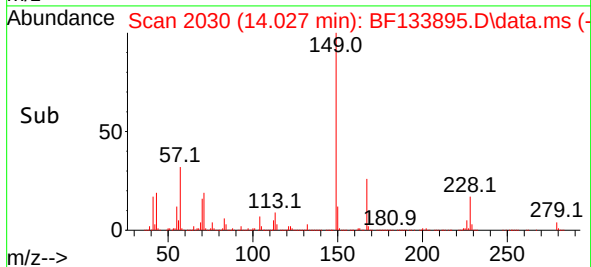
Tgt Ion:228 Resp: 718999  
Ion Ratio Lower Upper  
228 100  
226 31.1 25.0 37.6  
229 19.5 15.8 23.8

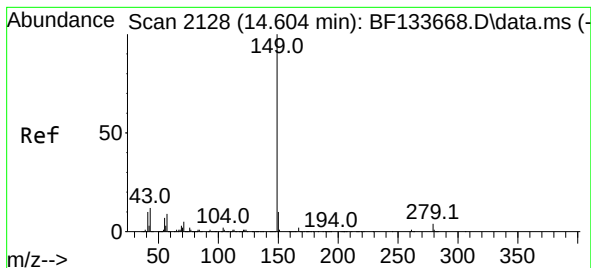


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 50.029 ng  
RT: 14.027 min Scan# 2030  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47



Tgt Ion:149 Resp: 552473  
Ion Ratio Lower Upper  
149 100  
167 26.1 21.8 32.8  
279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 56.008 ng

RT: 14.651 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

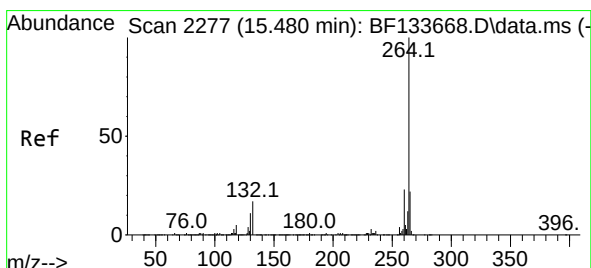
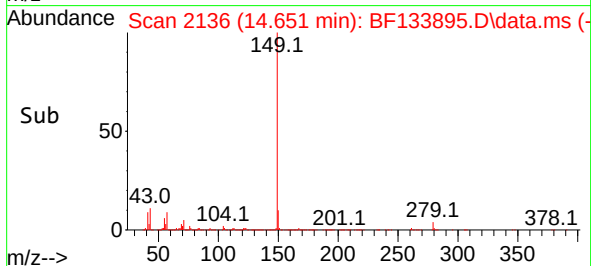
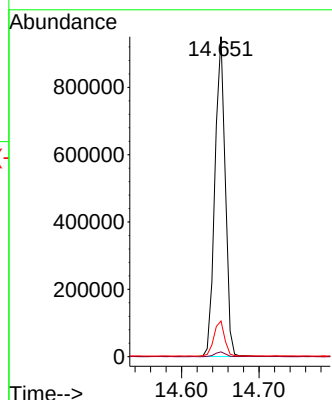
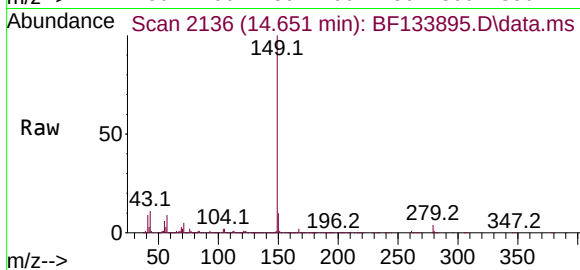
Tgt Ion:149 Resp: 878919

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

43 11.4 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2290

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

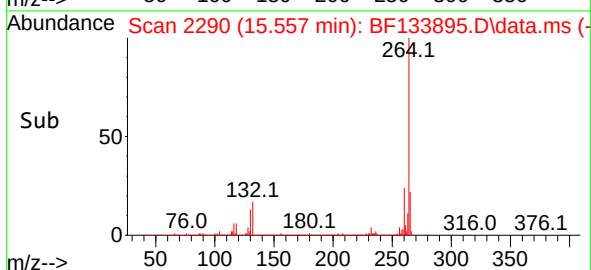
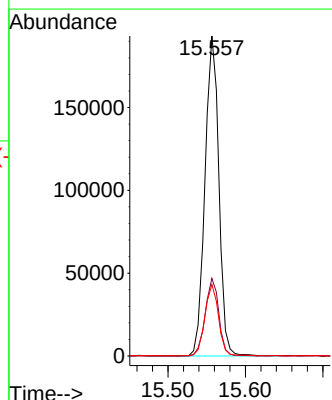
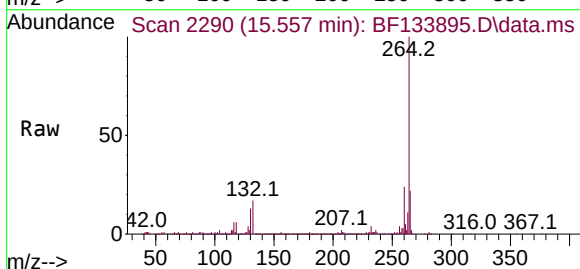
Tgt Ion:264 Resp: 240459

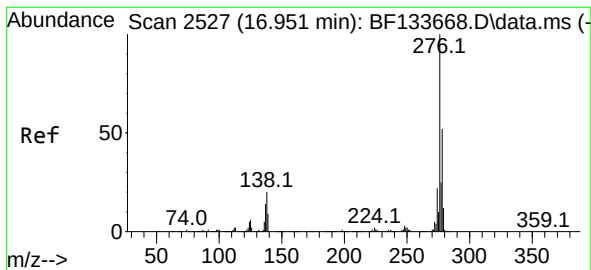
Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 22.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 52.544 ng

RT: 17.115 min Scan# 2115

Delta R.T. -0.006 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

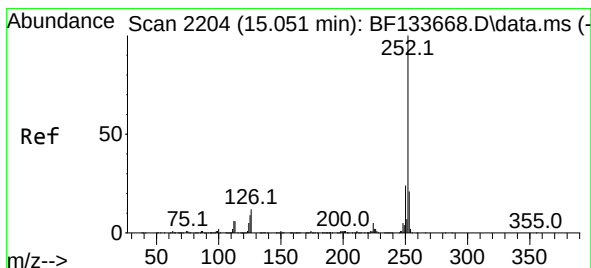
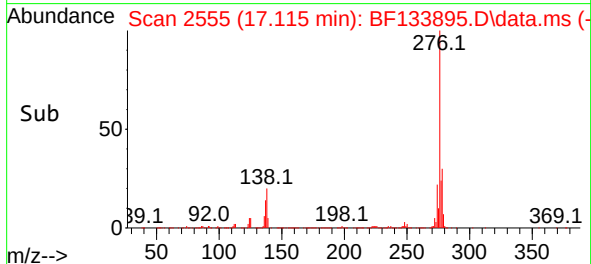
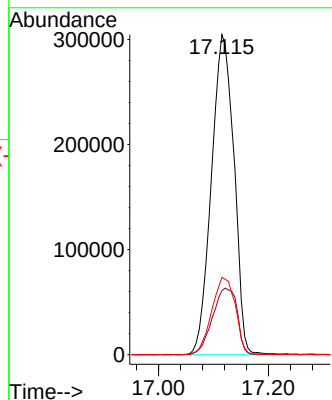
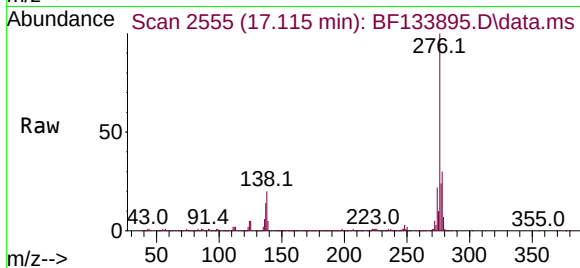
Tgt Ion:276 Resp: 869235

Ion Ratio Lower Upper

276 100

138 22.7 17.9 26.9

277 25.2 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 49.382 ng

RT: 15.115 min Scan# 2215

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

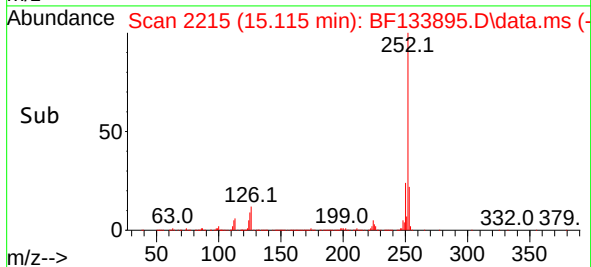
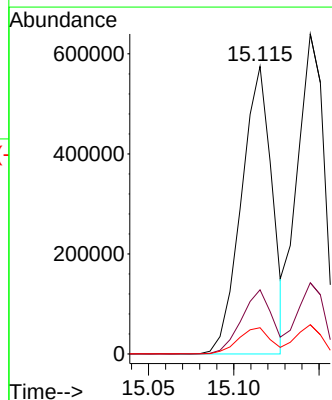
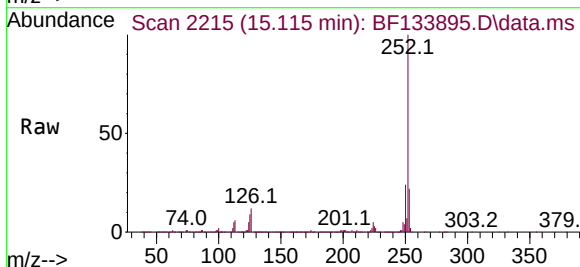
Tgt Ion:252 Resp: 721316

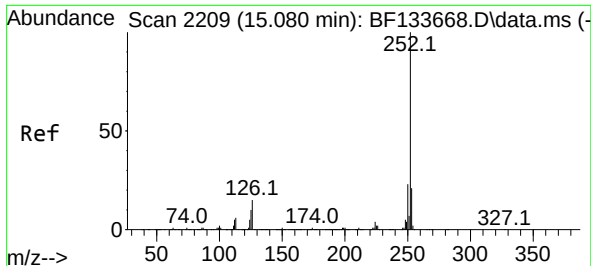
Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.6

125 9.1 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 49.566 ng

RT: 15.145 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

Instrument :

BNA\_F

ClientSampleId :

OR-402-COMP-09MSD

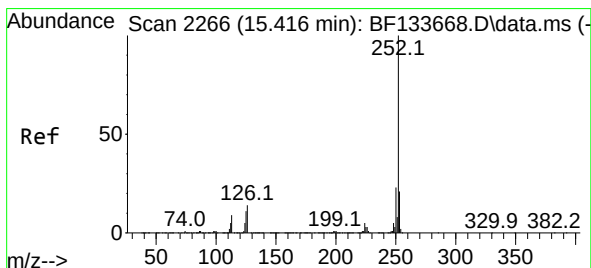
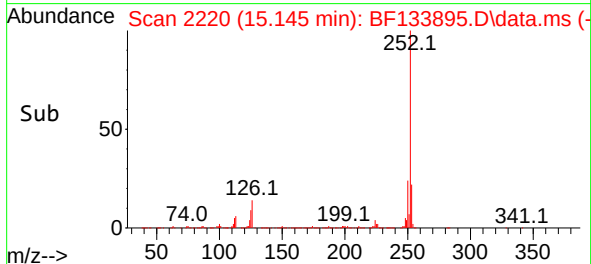
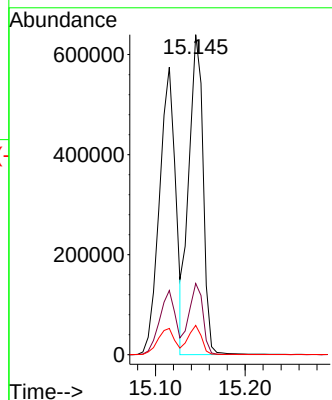
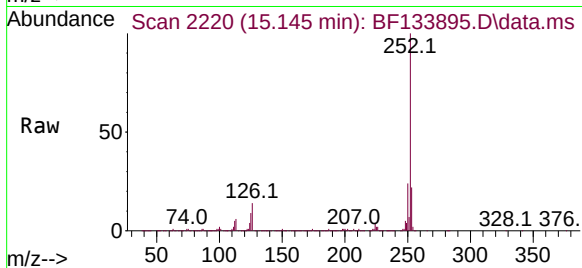
Tgt Ion:252 Resp: 705264

Ion Ratio Lower Upper

252 100

253 22.3 17.0 25.4

125 9.2 7.8 11.6



#90

Benzo(a)pyrene

Concen: 47.167 ng

RT: 15.498 min Scan# 2280

Delta R.T. 0.000 min

Lab File: BF133895.D

Acq: 22 Jun 2023 11:47

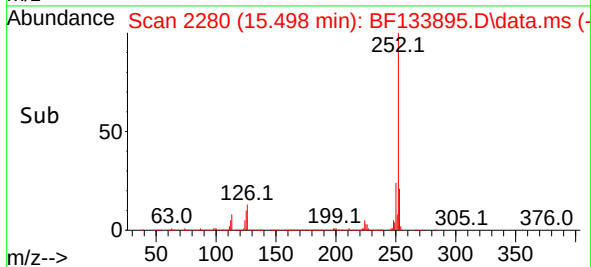
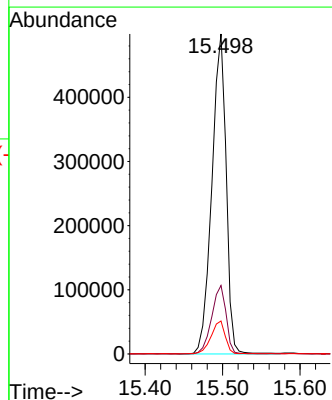
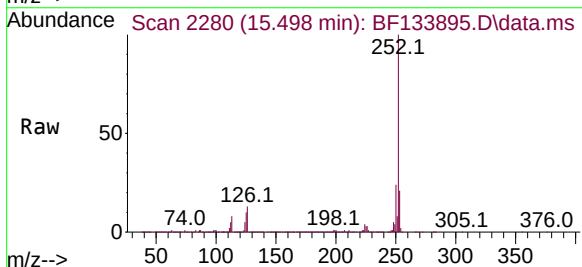
Tgt Ion:252 Resp: 639416

Ion Ratio Lower Upper

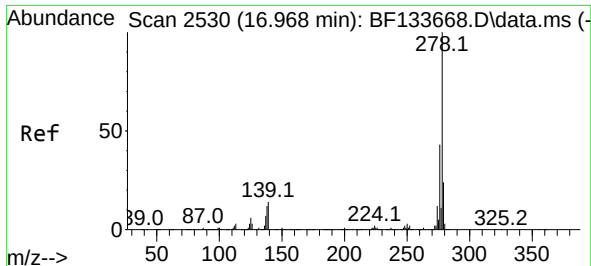
252 100

253 21.4 17.1 25.7

125 10.3 8.6 13.0



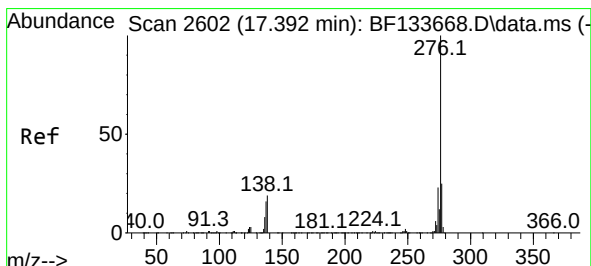
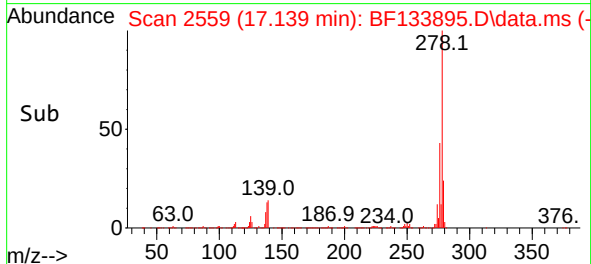
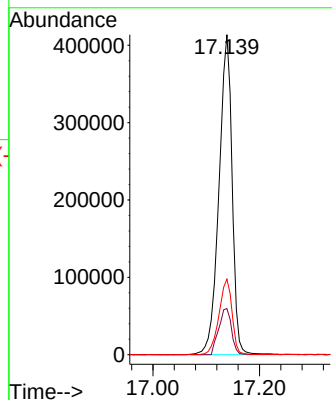
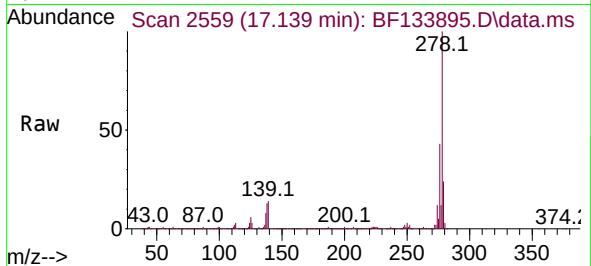




#91  
Dibenzo(a,h)anthracene  
Concen: 51.701 ng  
RT: 17.139 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Instrument :  
BNA\_F  
ClientSampleId :  
OR-402-COMP-09MSD

Tgt Ion:278 Resp: 708076  
Ion Ratio Lower Upper  
278 100  
139 14.4 11.4 17.2  
279 23.6 19.0 28.4



#92  
Benzo(g,h,i)perylene  
Concen: 52.246 ng  
RT: 17.592 min Scan# 2636  
Delta R.T. 0.000 min  
Lab File: BF133895.D  
Acq: 22 Jun 2023 11:47

Tgt Ion:276 Resp: 709443  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.8 29.8  
138 20.0 15.0 22.4

