

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091823\  
 Data File : BF135311.D  
 Acq On : 18 Sep 2023 17:37  
 Operator : CG\JU  
 Sample : 04336-05MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Sep 19 00:12:32 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 115158   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.039  | 136  | 438010   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.798  | 164  | 209583   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 365288   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.945 | 240  | 173677   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.404 | 264  | 234122   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.398  | 112  | 698891   | 98.709 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.410  | 99   | 882972   | 98.075 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 555817   | 68.942 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 187516   | 90.033 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 957140   | 68.901 | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.880 | 244  | 640600   | 57.178 | ng    | -0.01    |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.540  | 88   | 135504   | 43.656 | ng    | 98       |
| 3) Pyridine                   | 3.287  | 79   | 339825   | 40.679 | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.252  | 42   | 232074   | 52.352 | ng    | 96       |
| 6) Aniline                    | 6.428  | 93   | 390285   | 33.058 | ng    | # 86     |
| 8) 2-Chlorophenol             | 6.545  | 128  | 382316   | 50.582 | ng    | 99       |
| 9) Benzaldehyde               | 6.316  | 77   | 150792   | 29.401 | ng    | 98       |
| 10) Phenol                    | 6.422  | 94   | 442143   | 44.787 | ng    | 83       |
| 11) bis(2-Chloroethyl)ether   | 6.504  | 93   | 363392   | 49.072 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.698  | 146  | 382050   | 49.737 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.775  | 146  | 380780   | 48.724 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.928  | 146  | 364368   | 50.205 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.910  | 79   | 330211   | 51.112 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.034  | 45   | 694195   | 49.734 | ng    | 93       |
| 17) 2-Methylphenol            | 7.022  | 107  | 298731   | 44.788 | ng    | 96       |
| 18) Hexachloroethane          | 7.263  | 117  | 147981   | 51.247 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.175  | 70   | 247676   | 44.414 | ng    | 91       |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 341916   | 42.631 | ng    | 97       |
| 22) Acetophenone              | 7.169  | 105  | 486123   | 48.544 | ng    | # 99     |
| 24) Nitrobenzene              | 7.345  | 77   | 398473   | 50.006 | ng    | 100      |
| 25) Isophorone                | 7.581  | 82   | 736184   | 49.728 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.657  | 139  | 201748   | 52.752 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.698  | 122  | 291032   | 45.272 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.792  | 93   | 447374   | 50.489 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 300223   | 50.400 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.981  | 180  | 317759   | 51.036 | ng    | 100      |
| 31) Naphthalene               | 8.063  | 128  | 1044672  | 49.088 | ng    | 99       |
| 32) Benzoic acid              | 7.839  | 122  | 247700   | 51.170 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.116  | 127  | 282891   | 30.297 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.175  | 225  | 187453   | 49.931 | ng    | 98       |
| 35) Caprolactam               | 8.492  | 113  | 65930    | 32.979 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 8.604  | 107  | 328323   | 49.592 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.751  | 142  | 656431   | 45.887 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.851  | 142  | 638393   | 47.665 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.922  | 216  | 310589   | 51.153 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.904  | 237  | 190097   | 71.879 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.034  | 196  | 211638   | 53.236 | ng    | 97       |

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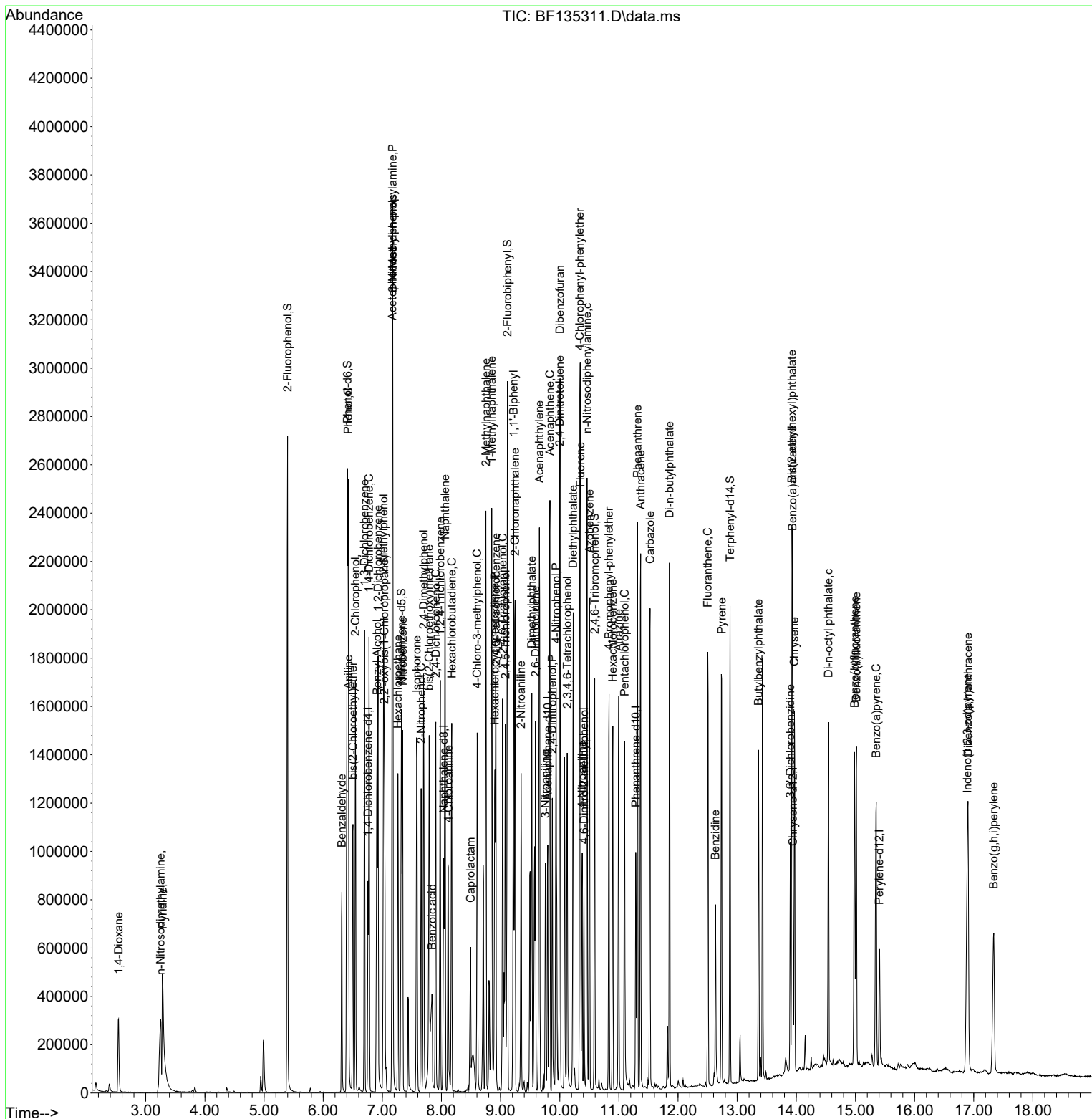
Instrument :  
 BNA\_F  
 ClientSampleId :

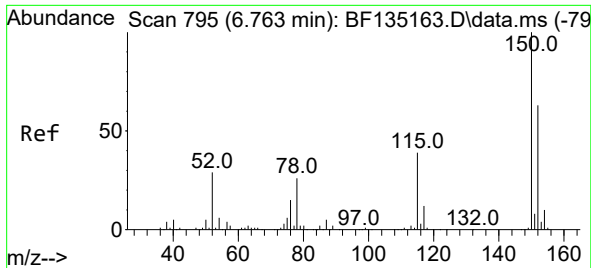
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.081  | 196  | 227688   | 49.733 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.222  | 154  | 831343   | 51.617 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.245  | 162  | 627478   | 53.695 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.345  | 65   | 235803   | 51.940 | ng    | 93       |
| 49) Acenaphthylene            | 9.657  | 152  | 1019734  | 52.506 | ng    | 99       |
| 50) Dimethylphthalate         | 9.528  | 163  | 715113   | 50.467 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 160301   | 51.641 | ng    | 92       |
| 52) Acenaphthene              | 9.833  | 154  | 580575   | 50.604 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.757  | 138  | 135549   | 37.200 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.875  | 184  | 137566   | 78.215 | ng    | 94       |
| 55) Dibenzofuran              | 10.004 | 168  | 842567   | 48.126 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 210810   | 91.031 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 183507   | 47.221 | ng    | # 81     |
| 58) Fluorene                  | 10.351 | 166  | 658431   | 48.921 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.128 | 232  | 174380   | 49.515 | ng    | 99       |
| 60) Diethylphthalate          | 10.228 | 149  | 709416   | 49.886 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.339 | 204  | 307623   | 47.580 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.380 | 138  | 157963   | 45.099 | ng    | 98       |
| 63) Azobenzene                | 10.504 | 77   | 693767   | 49.847 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.410 | 198  | 92481    | 47.667 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 10.463 | 169  | 600635   | 54.312 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.833 | 248  | 191346   | 52.668 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 198143   | 53.534 | ng    | 92       |
| 69) Atrazine                  | 10.998 | 200  | 178953   | 60.139 | ng    | 99       |
| 70) Pentachlorophenol         | 11.098 | 266  | 183729   | 82.968 | ng    | 100      |
| 71) Phenanthrene              | 11.316 | 178  | 883211   | 51.122 | ng    | 99       |
| 72) Anthracene                | 11.369 | 178  | 887514   | 49.977 | ng    | 99       |
| 73) Carbazole                 | 11.527 | 167  | 829479   | 51.310 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 985997   | 51.761 | ng    | 99       |
| 75) Fluoranthene              | 12.504 | 202  | 777919   | 43.213 | ng    | 99       |
| 77) Benzidine                 | 12.633 | 184  | 299906   | 84.288 | ng    | 100      |
| 78) Pyrene                    | 12.739 | 202  | 748494   | 45.266 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.363 | 149  | 293690   | 50.446 | ng    | 100      |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 564284   | 50.316 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 183731   | 52.450 | ng    | # 98     |
| 83) Chrysene                  | 13.968 | 228  | 563718   | 50.557 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.927 | 149  | 342602   | 57.347 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 637741   | 67.172 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.892 | 276  | 654667   | 42.648 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.986 | 252  | 654972   | 51.679 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.015 | 252  | 573016   | 45.770 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 590471   | 48.855 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.904 | 278  | 536977   | 42.753 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 502785   | 38.330 | ng    | 99       |

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

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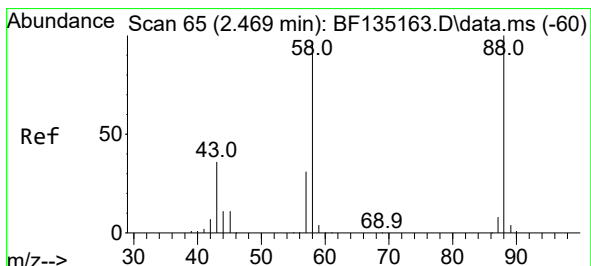
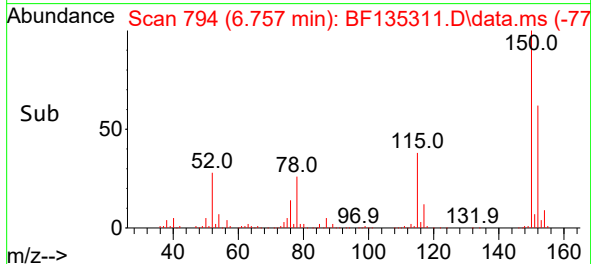
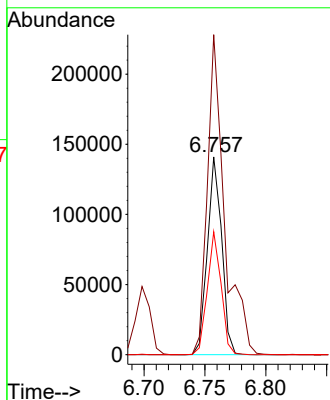
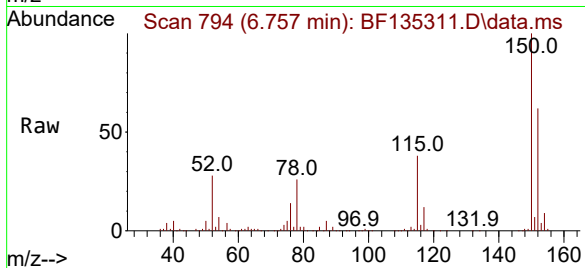




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.757 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

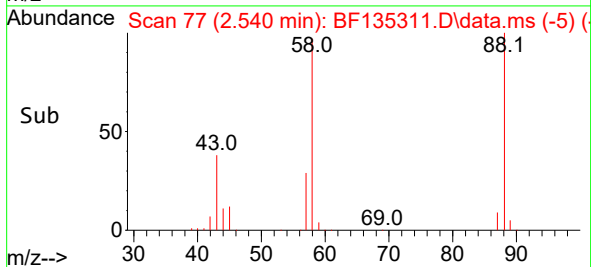
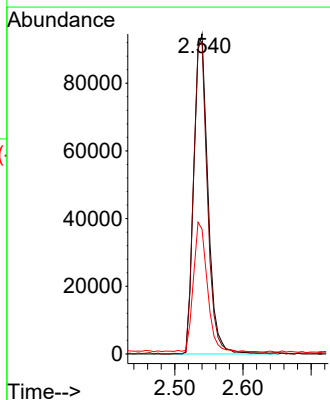
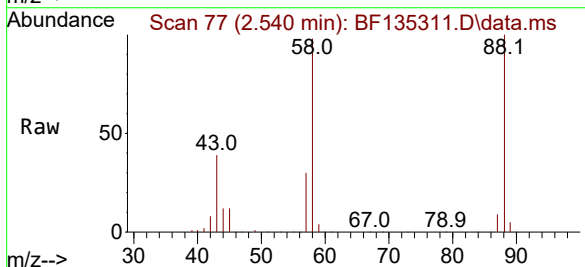
Instrument :  
 BNA\_F  
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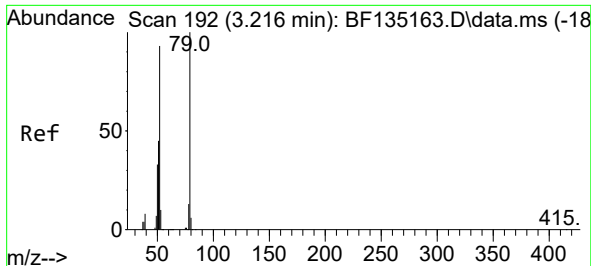
Tgt Ion:152 Resp: 115158  
 Ion Ratio Lower Upper  
 152 100  
 150 161.8 127.8 191.6  
 115 62.1 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 43.656 ng  
 RT: 2.540 min Scan# 77  
 Delta R.T. 0.071 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

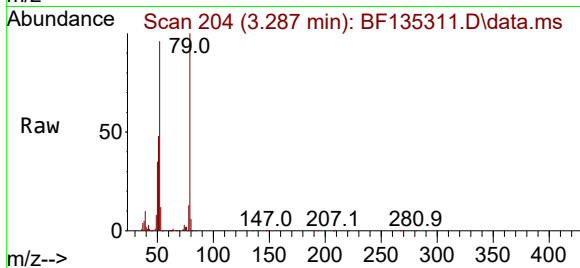
Tgt Ion: 88 Resp: 135504  
 Ion Ratio Lower Upper  
 88 100  
 58 96.8 78.3 117.5  
 43 39.2 29.4 44.0



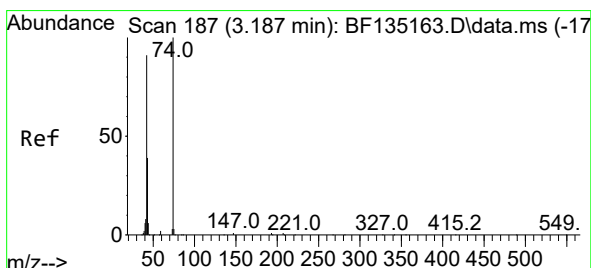
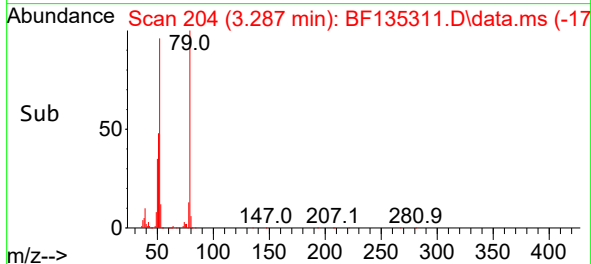
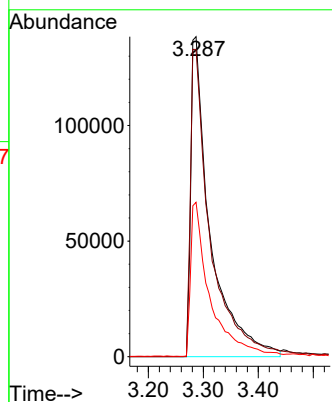


#3  
 Pyridine  
 Concen: 40.679 ng  
 RT: 3.287 min Scan# 204  
 Delta R.T. 0.071 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :

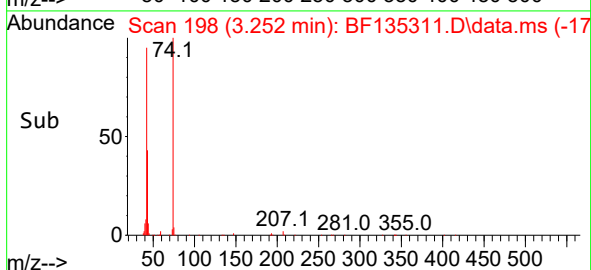
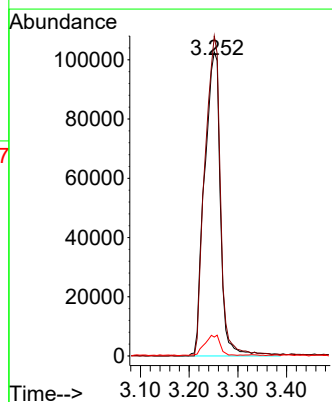
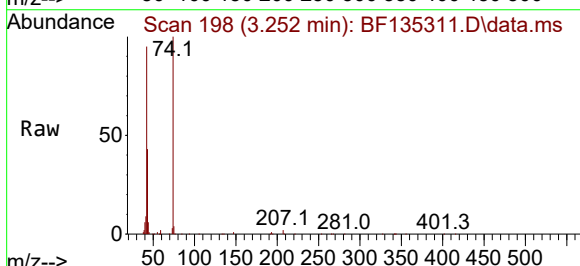


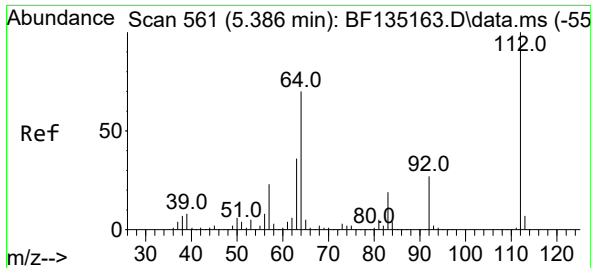
Tgt Ion: 79 Resp: 339825  
 Ion Ratio Lower Upper  
 79 100  
 52 96.0 74.1 111.1  
 51 48.3 35.8 53.8



#4  
 n-Nitrosodimethylamine  
 Concen: 52.352 ng  
 RT: 3.252 min Scan# 198  
 Delta R.T. 0.065 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Tgt Ion: 42 Resp: 232074  
 Ion Ratio Lower Upper  
 42 100  
 74 105.3 87.7 131.5  
 44 6.2 5.6 8.4

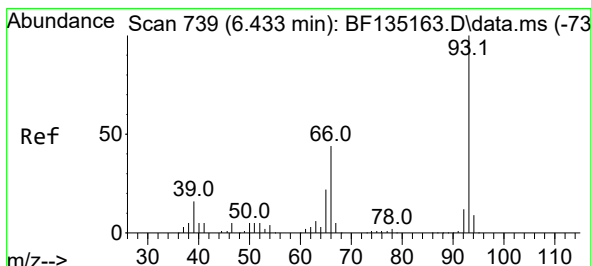
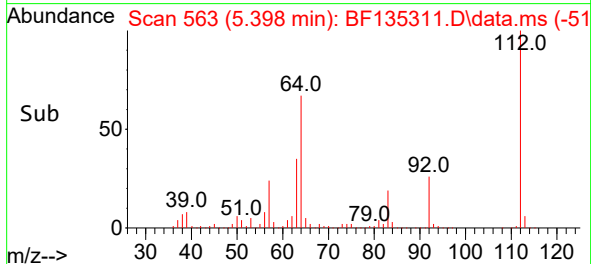
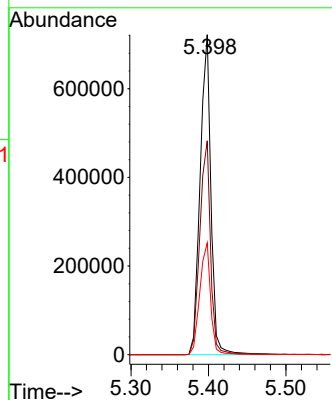
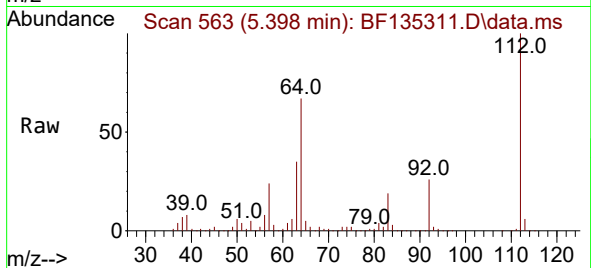




#5  
2-Fluorophenol  
Concen: 98.709 ng  
RT: 5.398 min Scan# 50  
Delta R.T. 0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

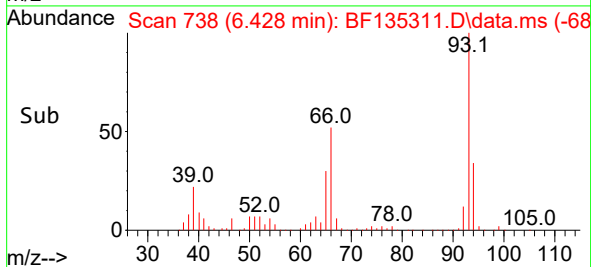
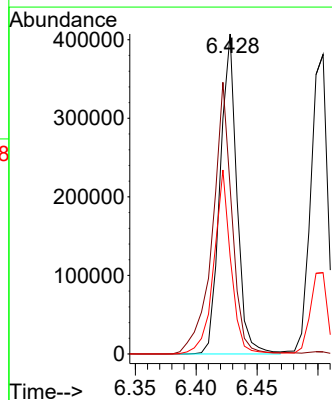
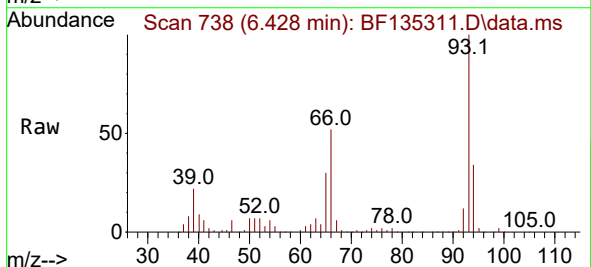
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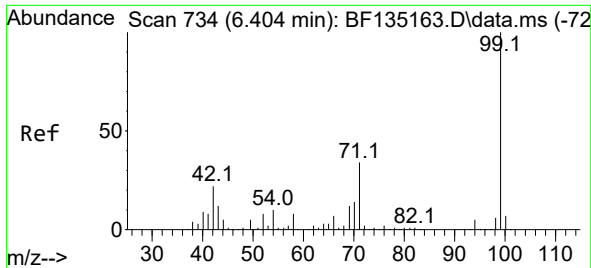
Tgt Ion:112 Resp: 698891  
Ion Ratio Lower Upper  
112 100  
64 66.8 55.9 83.9  
63 34.9 29.0 43.6



#6  
Aniline  
Concen: 33.058 ng  
RT: 6.428 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion: 93 Resp: 390285  
Ion Ratio Lower Upper  
93 100  
66 52.0 35.4 53.0  
65 30.5 17.8 26.8#

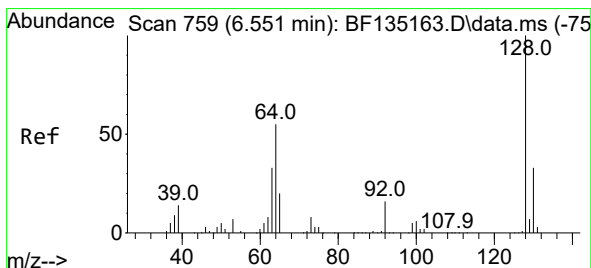
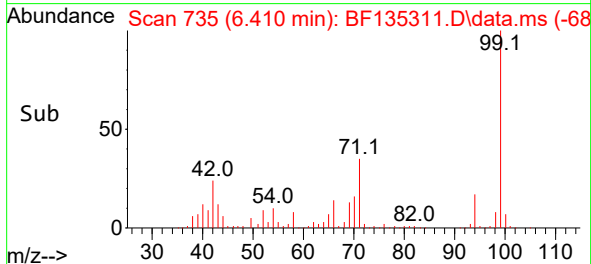
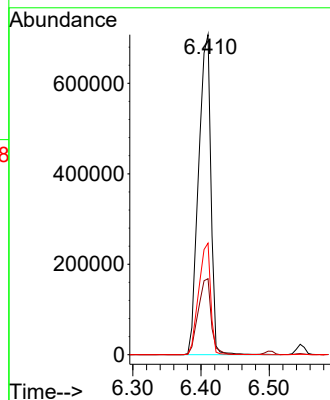
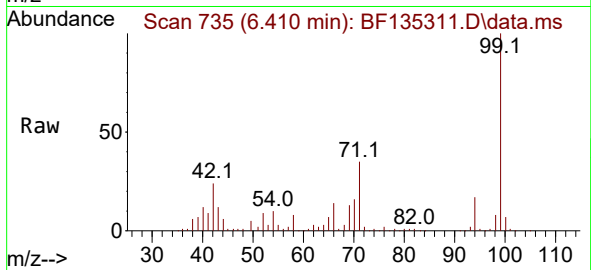




#7  
Phenol-d6  
Concen: 98.075 ng  
RT: 6.410 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

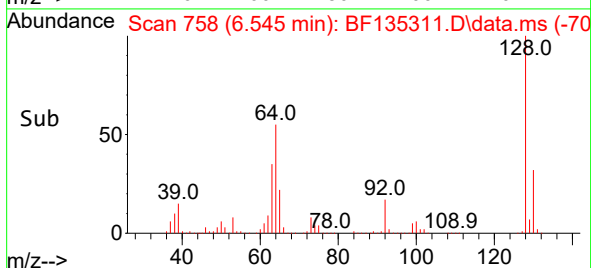
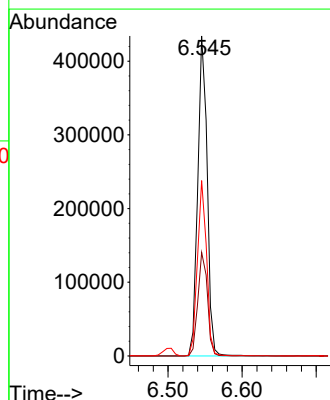
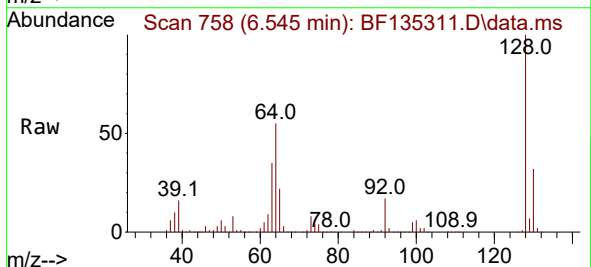
Instrument :  
BNA\_F  
ClientSampleId :

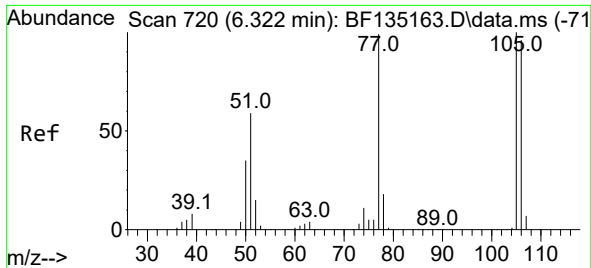
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Ion Ratio Lower Upper  
99 100  
42 23.8 17.9 26.9  
71 34.8 27.0 40.6



#8  
2-Chlorophenol  
Concen: 50.582 ng  
RT: 6.545 min Scan# 758  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:128 Resp: 382316  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.7 52.7  
64 54.8 35.9 75.9

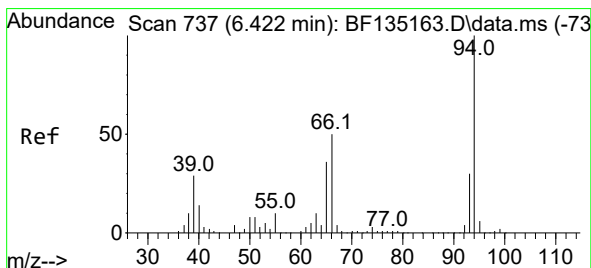
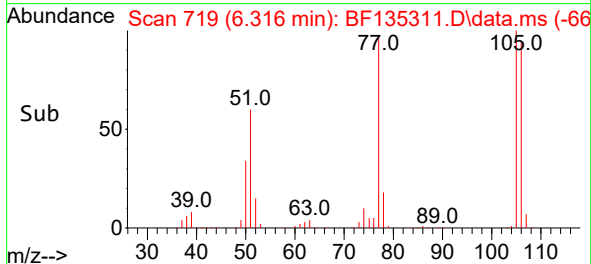
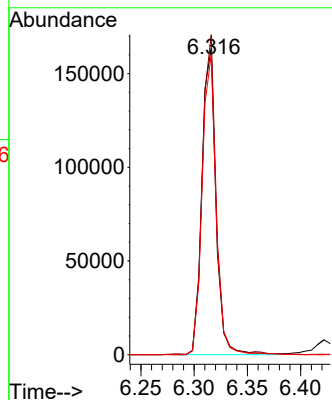
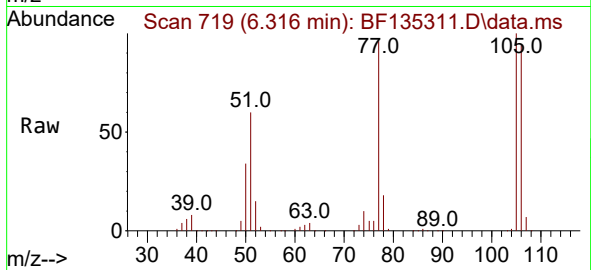




#9  
Benzaldehyde  
Concen: 29.401 ng  
RT: 6.316 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

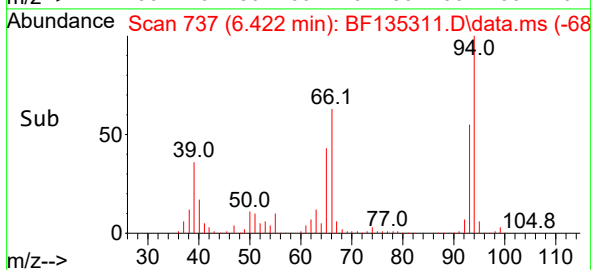
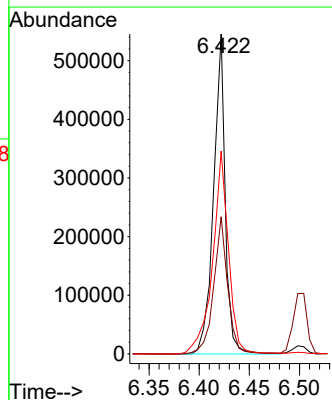
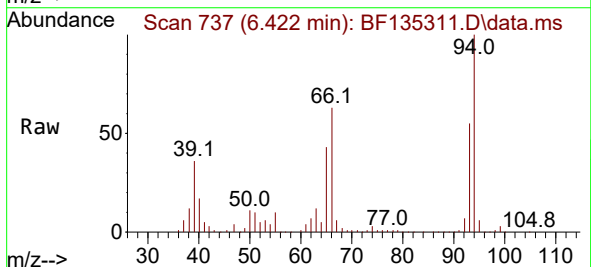
Instrument :  
BNA\_F  
ClientSampleId :

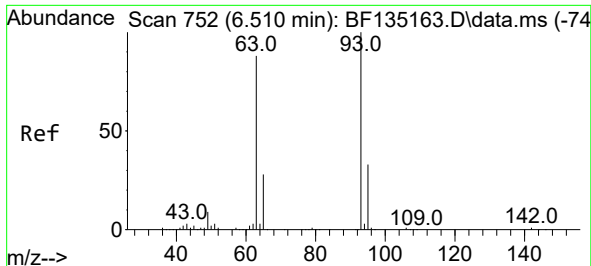
Tgt Ion: 77 Resp: 150792  
Ion Ratio Lower Upper  
77 100  
105 104.3 81.4 121.4  
106 97.7 76.9 116.9



#10  
Phenol  
Concen: 44.787 ng  
RT: 6.422 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion: 94 Resp: 442143  
Ion Ratio Lower Upper  
94 100  
65 42.9 15.9 55.9  
66 63.4 29.8 69.8

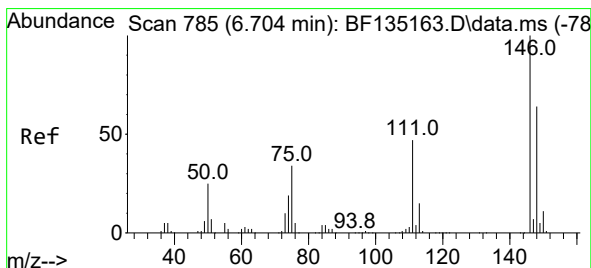
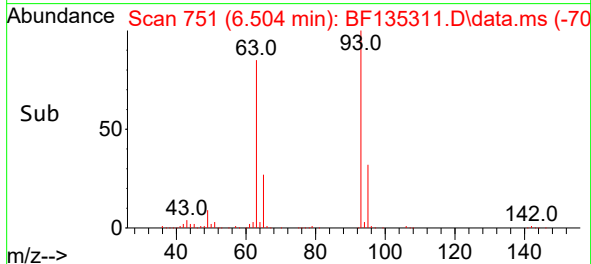
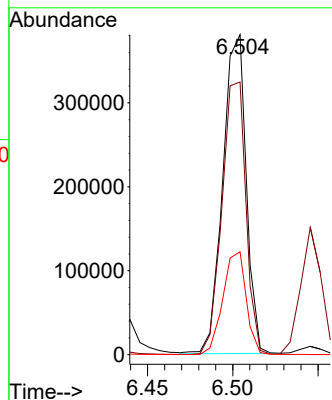
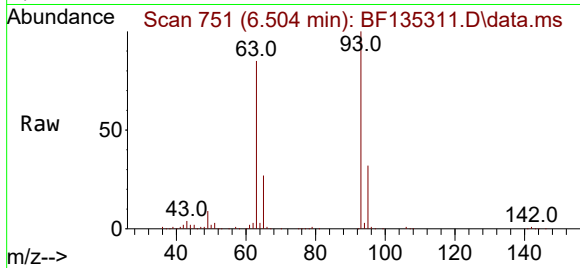




#11  
bis(2-Chloroethyl)ether  
Concen: 49.072 ng  
RT: 6.504 min Scan# 751  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

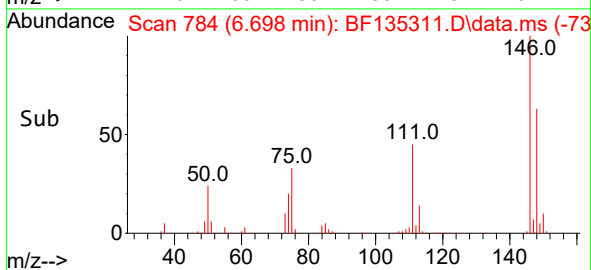
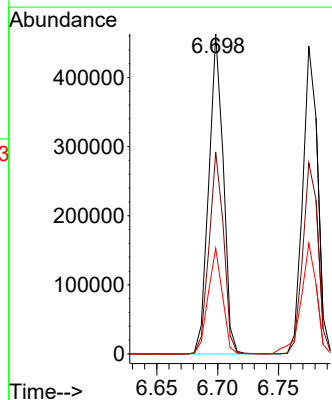
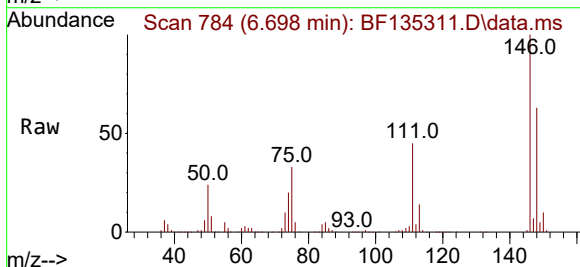
Instrument :  
BNA\_F  
ClientSampleId :

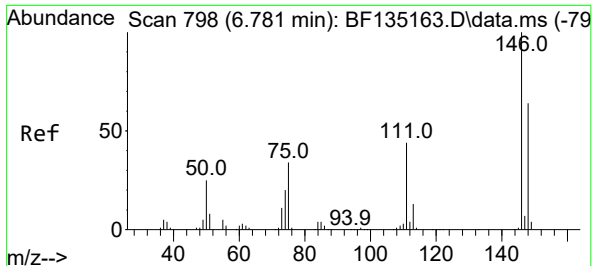
Tgt Ion: 93 Resp: 363392  
Ion Ratio Lower Upper  
93 100  
63 85.2 67.3 107.3  
95 32.2 12.7 52.7



#12  
1,3-Dichlorobenzene  
Concen: 49.737 ng  
RT: 6.698 min Scan# 784  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:146 Resp: 382050  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.3 76.9  
75 33.1 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 48.724 ng

RT: 6.775 min Scan# 798

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

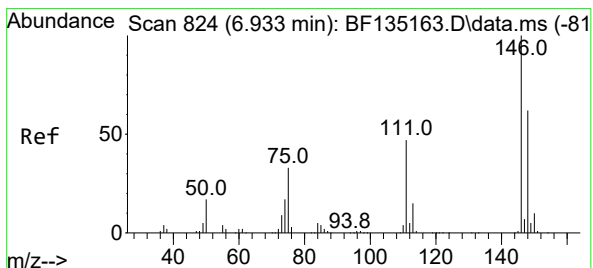
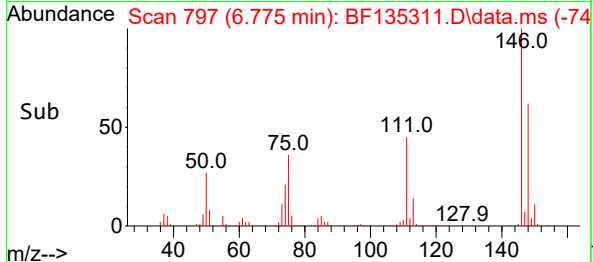
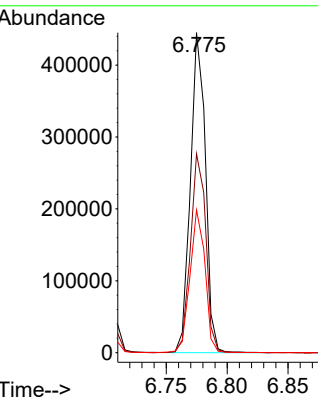
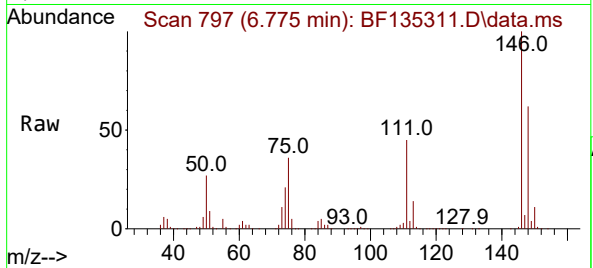
Tgt Ion:146 Resp: 380780

Ion Ratio Lower Upper

146 100

148 62.2 51.3 76.9

111 44.6 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 50.205 ng

RT: 6.928 min Scan# 823

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

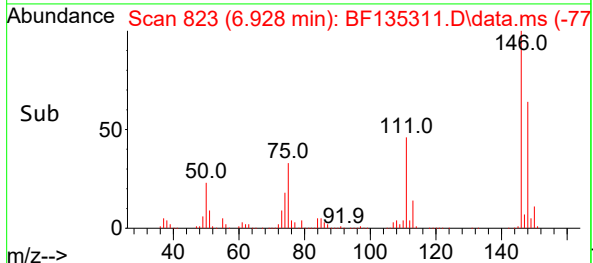
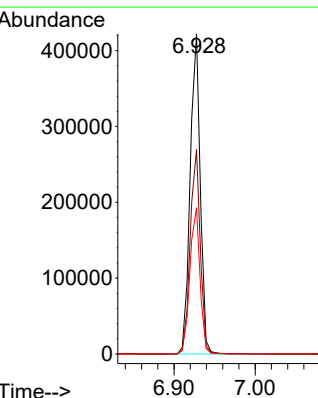
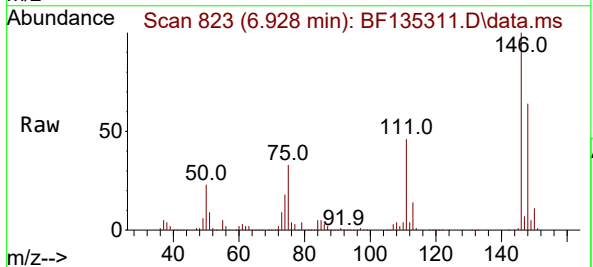
Tgt Ion:146 Resp: 364368

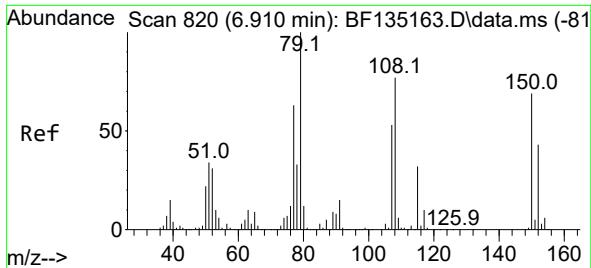
Ion Ratio Lower Upper

146 100

148 63.9 49.7 74.5

111 45.7 37.4 56.2

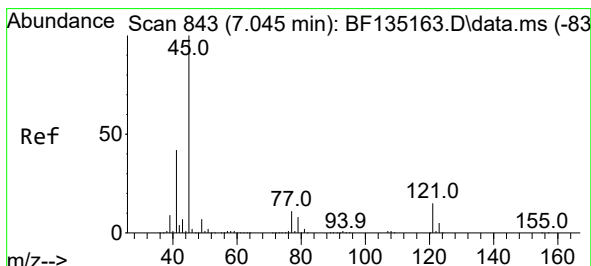
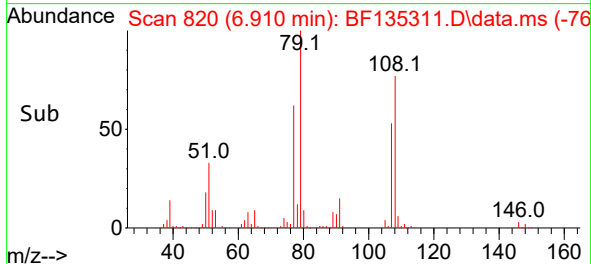
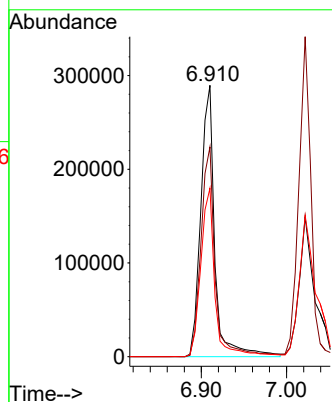
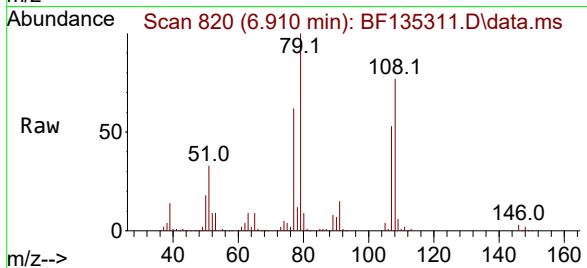




#15  
Benzyl Alcohol  
Concen: 51.112 ng  
RT: 6.910 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

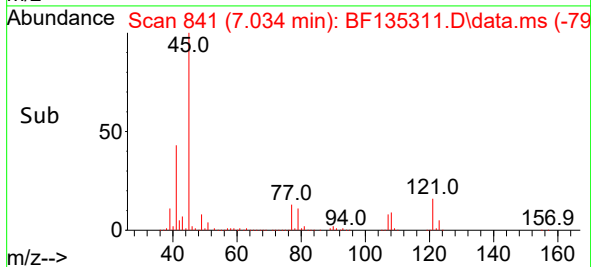
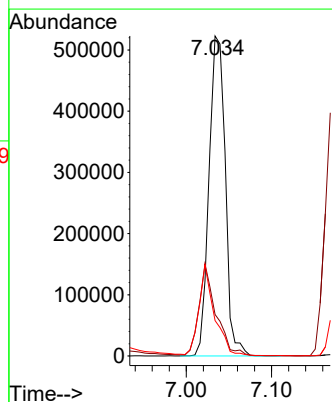
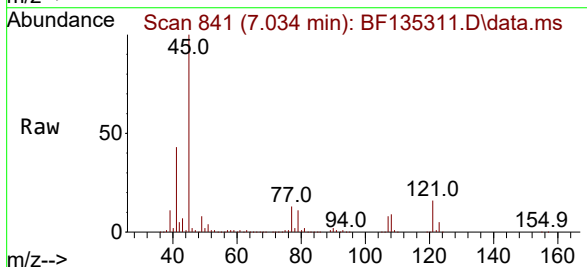
Instrument :  
BNA\_F  
ClientSampleId :

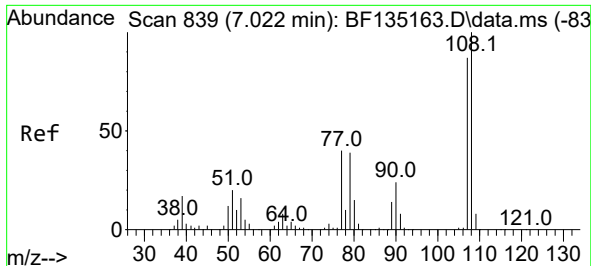
Tgt Ion: 79 Resp: 330211  
Ion Ratio Lower Upper  
79 100  
108 77.3 61.2 91.8  
77 62.1 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 49.734 ng  
RT: 7.034 min Scan# 841  
Delta R.T. -0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

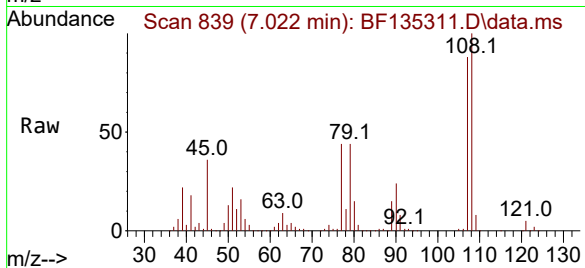
Tgt Ion: 45 Resp: 694195  
Ion Ratio Lower Upper  
45 100  
77 13.0 0.0 30.6  
79 11.1 0.0 28.3



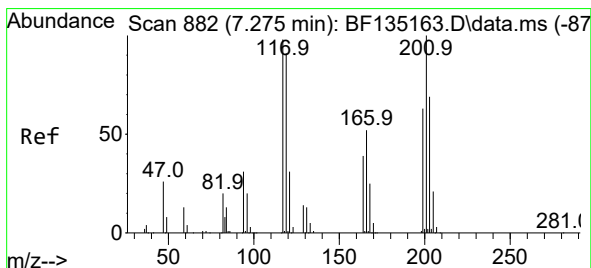
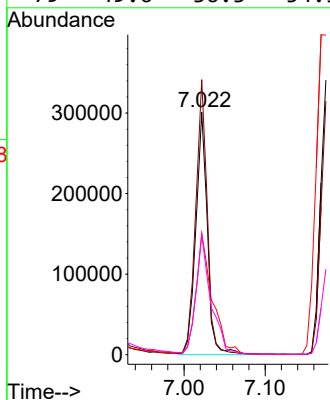
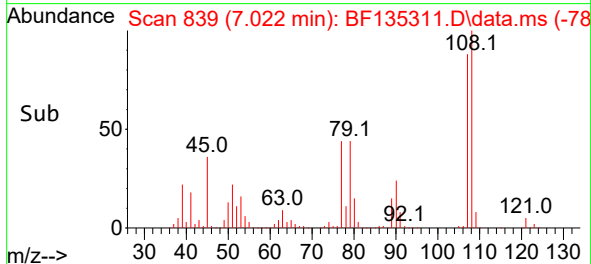


#17  
2-Methylphenol  
Concen: 44.788 ng  
RT: 7.022 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

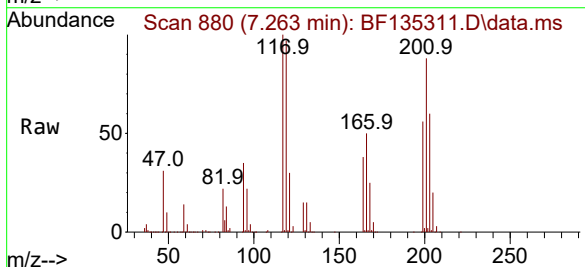
Instrument :  
BNA\_F  
ClientSampleId :



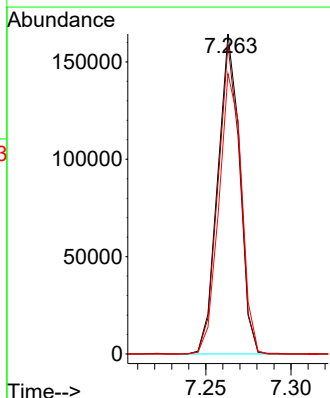
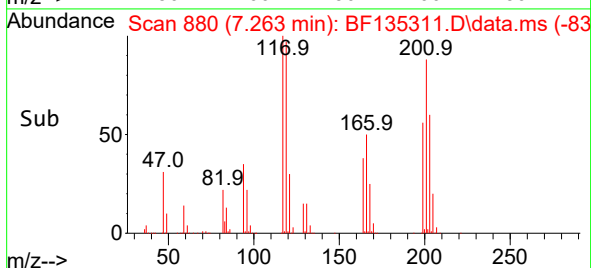
Tgt Ion:107 Resp: 298731  
Ion Ratio Lower Upper  
107 100  
108 113.4 92.0 138.0  
77 50.1 36.7 55.1  
79 49.6 36.3 54.5

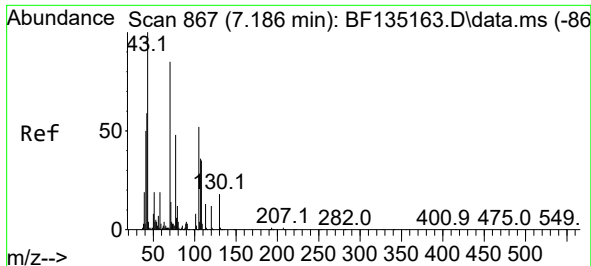


#18  
Hexachloroethane  
Concen: 51.247 ng  
RT: 7.263 min Scan# 880  
Delta R.T. -0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



Tgt Ion:117 Resp: 147981  
Ion Ratio Lower Upper  
117 100  
119 96.8 74.7 112.1  
201 87.6 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 44.414 ng

RT: 7.175 min Scan# 865

Delta R.T. -0.012 min

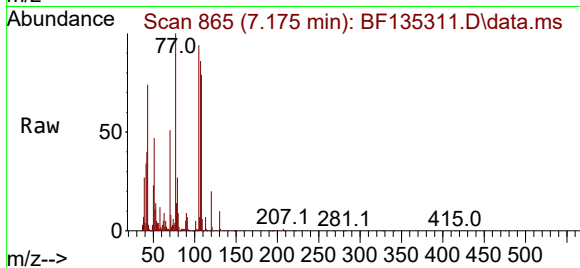
Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :



Tgt Ion: 70 Resp: 247676

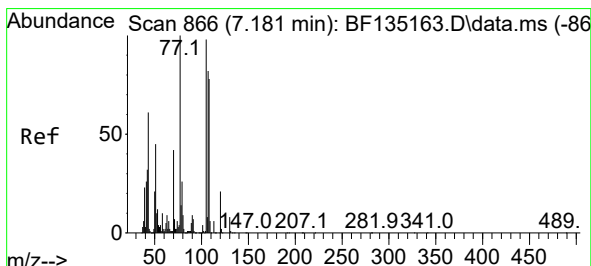
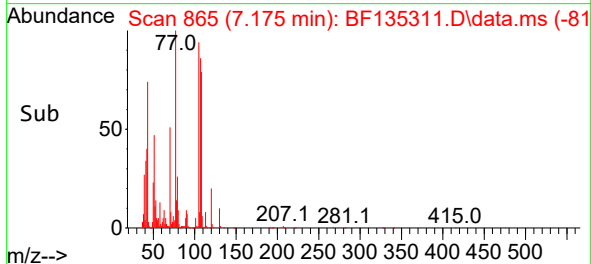
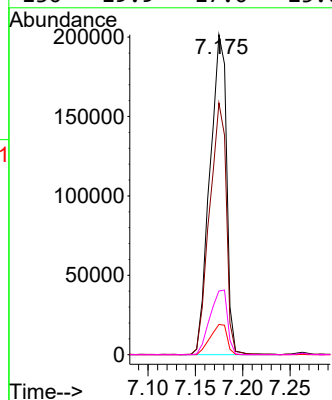
Ion Ratio Lower Upper

70 100

42 78.6 55.4 83.0

101 9.4 7.7 11.5

130 19.9 17.0 25.6



#20

3+4-Methylphenols

Concen: 42.631 ng

RT: 7.175 min Scan# 865

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Tgt Ion: 107 Resp: 341916

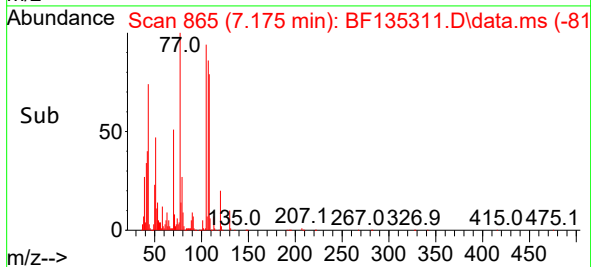
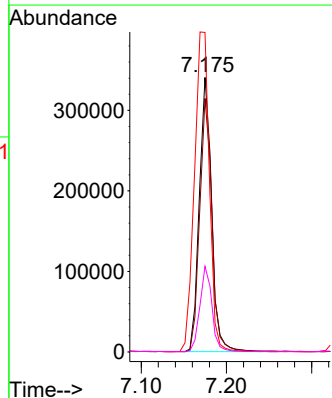
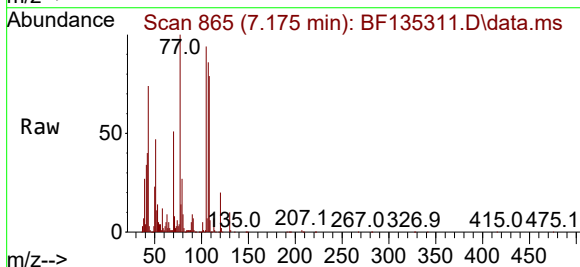
Ion Ratio Lower Upper

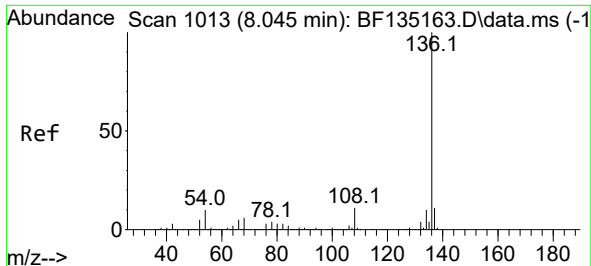
107 100

108 92.4 74.7 114.7

77 116.4 102.0 142.0

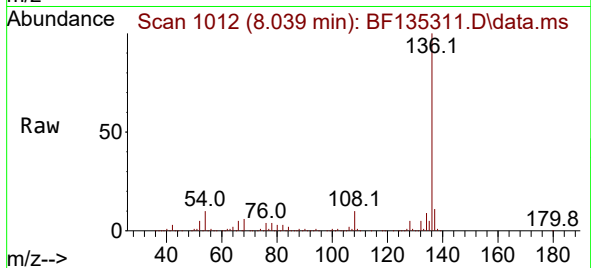
79 31.2 11.7 51.7



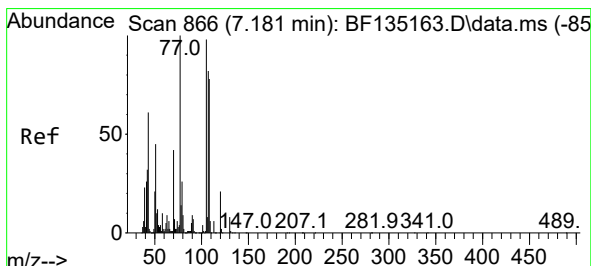
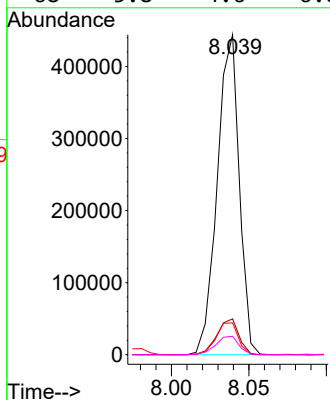
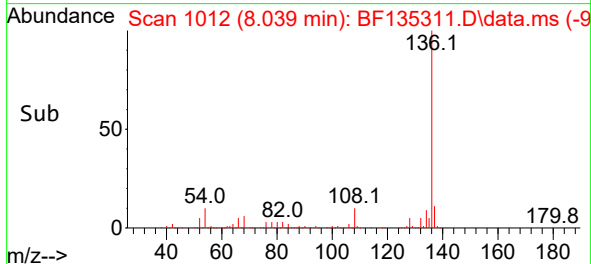


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.039 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

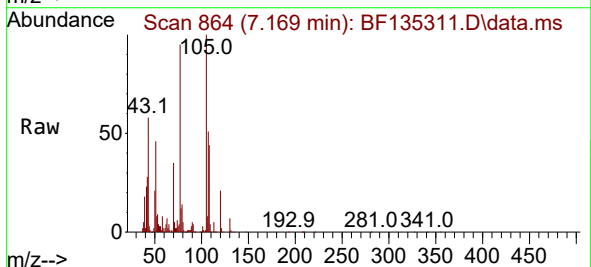
Instrument :  
BNA\_F  
ClientSampleId :



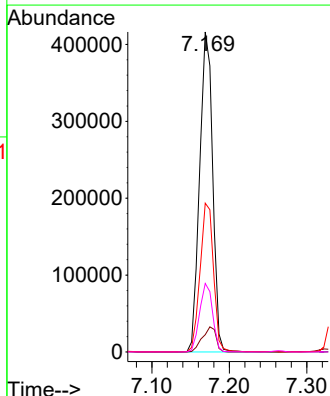
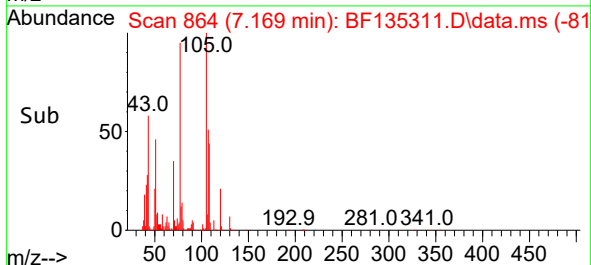
Tgt Ion:136 Resp: 438010  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.8 13.2  
54 10.0 7.7 11.5  
68 5.8 4.6 6.8

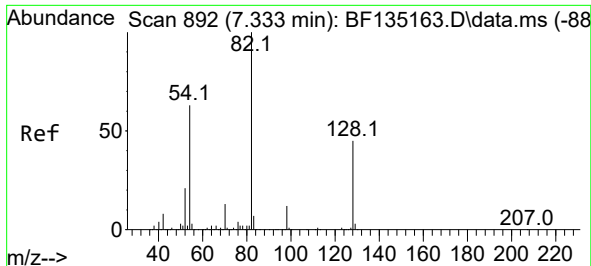


#22  
Acetophenone  
Concen: 48.544 ng  
RT: 7.169 min Scan# 864  
Delta R.T. -0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



Tgt Ion:105 Resp: 486123  
Ion Ratio Lower Upper  
105 100  
71 5.4 5.8 8.6#  
51 46.5 37.0 55.4  
120 21.4 17.0 25.6

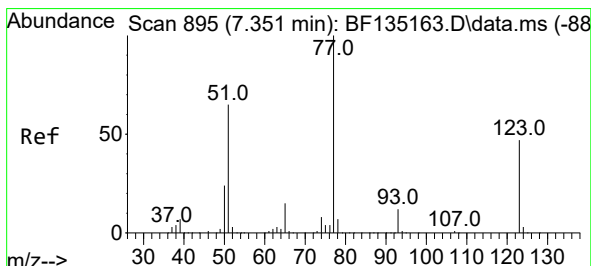
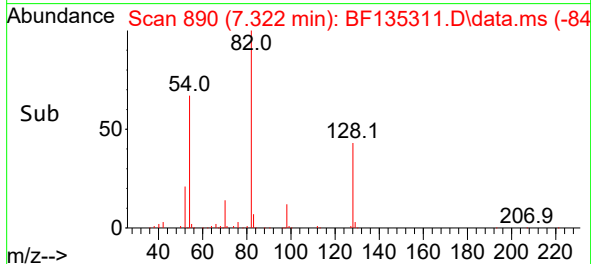
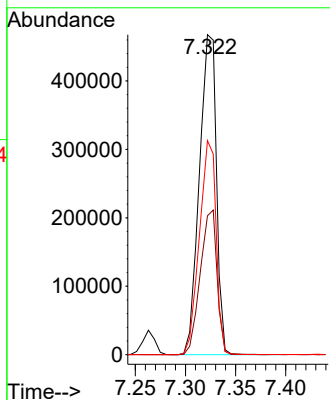
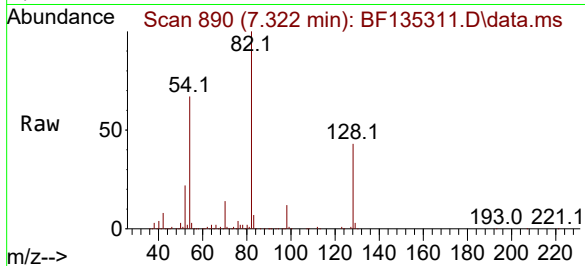




#23  
Nitrobenzene-d5  
Concen: 68.942 ng  
RT: 7.322 min Scan# 891  
Delta R.T. -0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

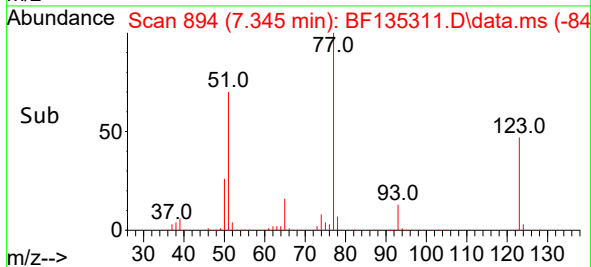
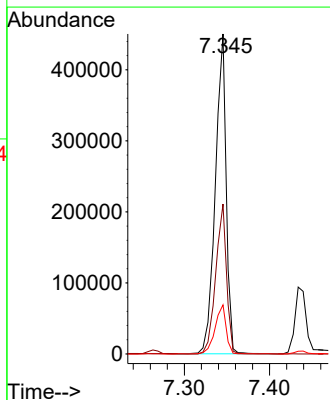
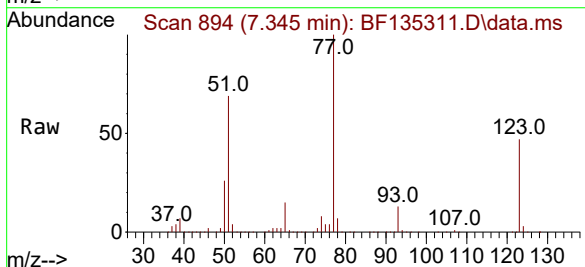
Instrument :  
BNA\_F  
ClientSampleId :

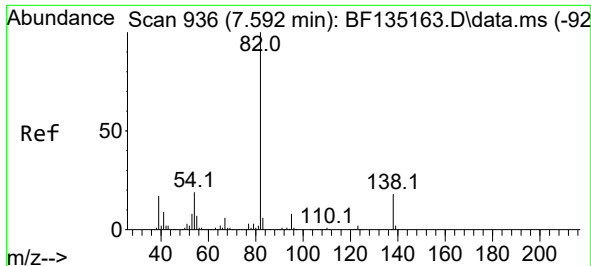
Tgt Ion: 82 Resp: 555817  
Ion Ratio Lower Upper  
82 100  
128 43.4 35.8 53.6  
54 66.9 50.6 76.0



#24  
Nitrobenzene  
Concen: 50.006 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion: 77 Resp: 398473  
Ion Ratio Lower Upper  
77 100  
123 46.8 37.6 56.4  
65 15.3 12.2 18.4

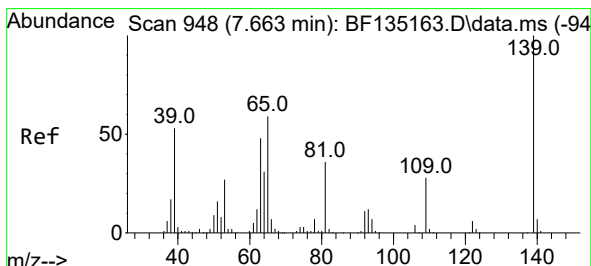
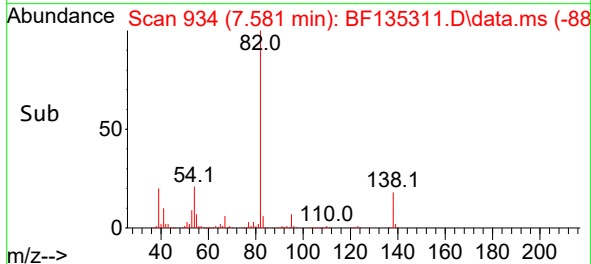
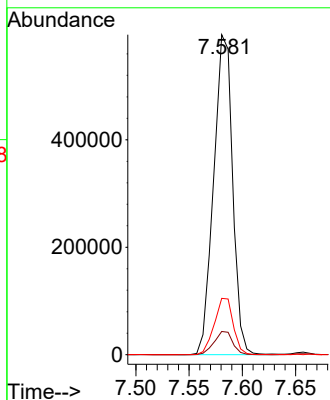
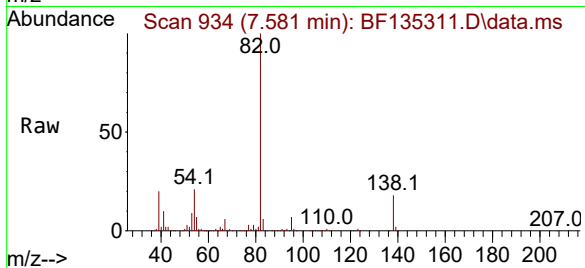




#25  
Isophorone  
Concen: 49.728 ng  
RT: 7.581 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

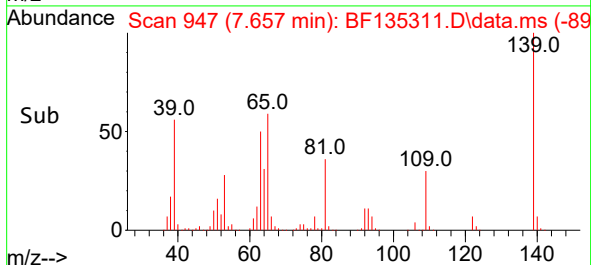
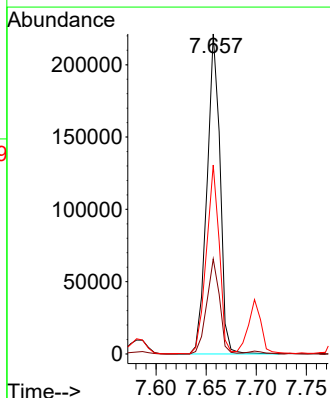
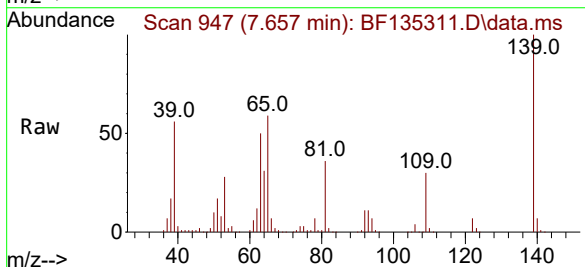
Instrument :  
BNA\_F  
ClientSampleId :

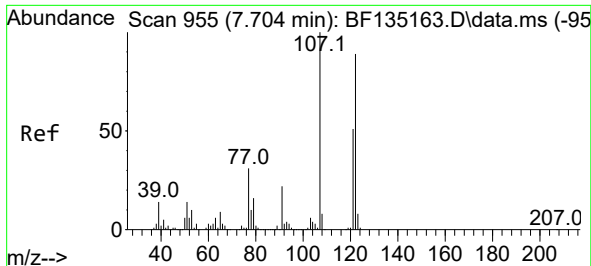
Tgt Ion: 82 Resp: 736184  
Ion Ratio Lower Upper  
82 100  
95 7.3 6.0 9.0  
138 17.6 14.5 21.7



#26  
2-Nitrophenol  
Concen: 52.752 ng  
RT: 7.657 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:139 Resp: 201748  
Ion Ratio Lower Upper  
139 100  
109 29.7 22.6 33.8  
65 59.1 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 45.272 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.006 min

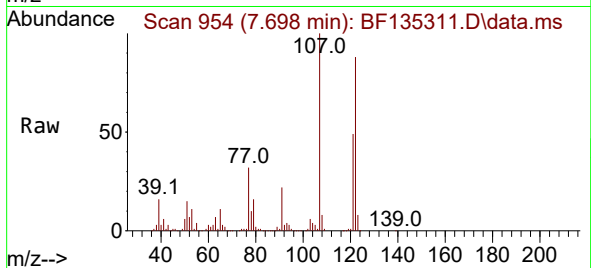
Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :



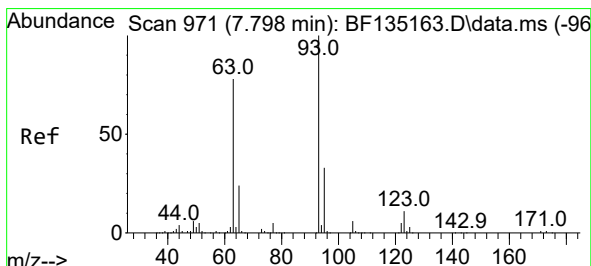
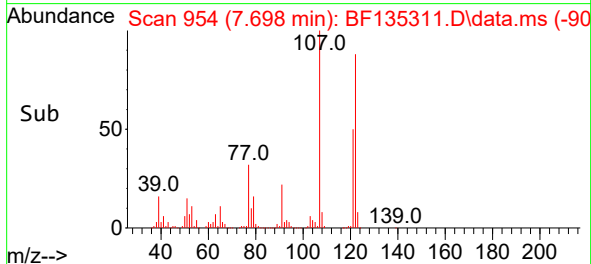
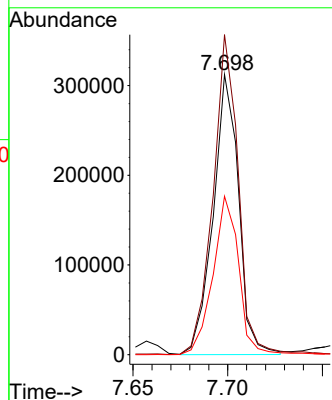
Tgt Ion:122 Resp: 291032

Ion Ratio Lower Upper

122 100

107 114.2 90.2 135.4

121 56.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 50.489 ng

RT: 7.792 min Scan# 970

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

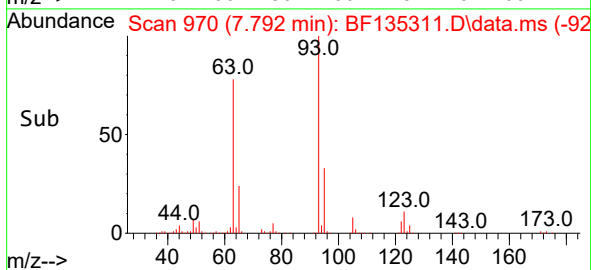
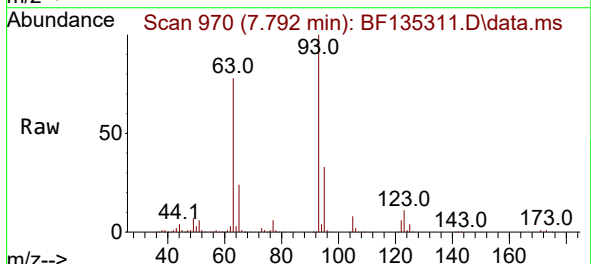
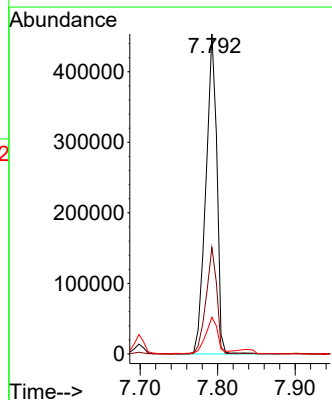
Tgt Ion: 93 Resp: 447374

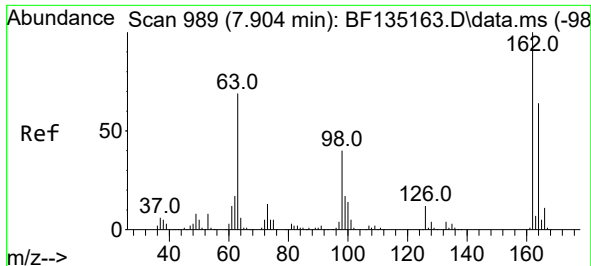
Ion Ratio Lower Upper

93 100

95 33.3 26.2 39.2

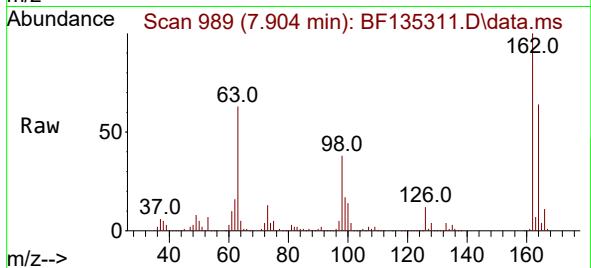
123 11.5 8.8 13.2



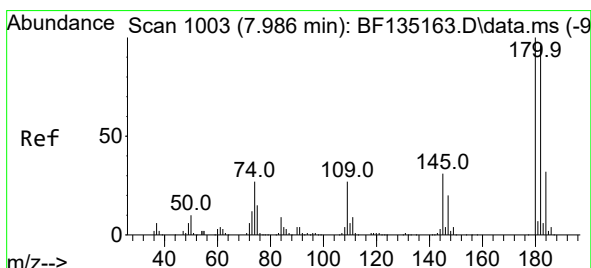
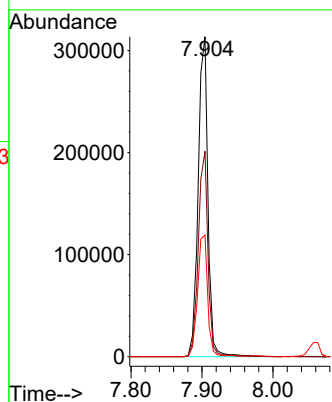
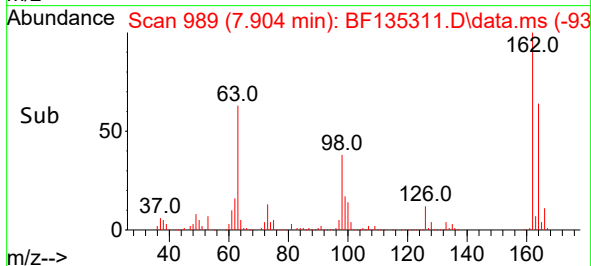


#29  
2,4-Dichlorophenol  
Concen: 50.400 ng  
RT: 7.904 min Scan# 989  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

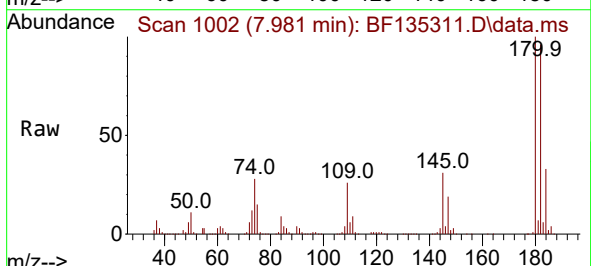
Instrument :  
BNA\_F  
ClientSampleId :



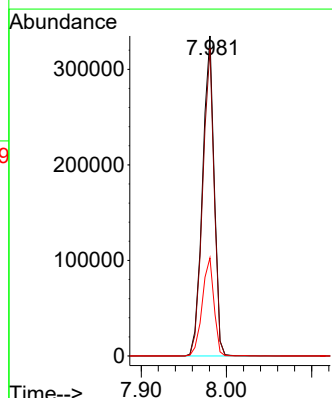
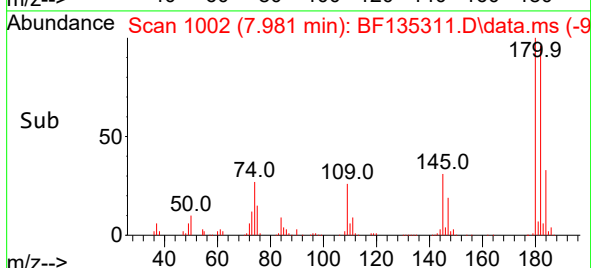
Tgt Ion:162 Resp: 300223  
Ion Ratio Lower Upper  
162 100  
164 64.2 44.1 84.1  
98 38.0 20.3 60.3

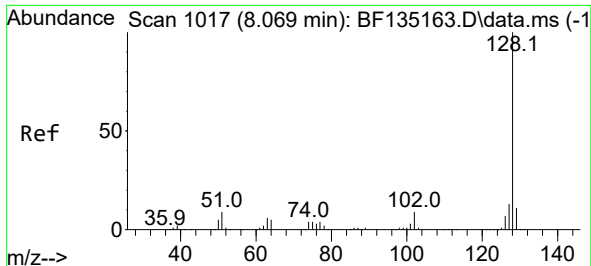


#30  
1,2,4-Trichlorobenzene  
Concen: 51.036 ng  
RT: 7.981 min Scan# 1002  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



Tgt Ion:180 Resp: 317759  
Ion Ratio Lower Upper  
180 100  
182 96.1 76.9 115.3  
145 30.7 24.5 36.7

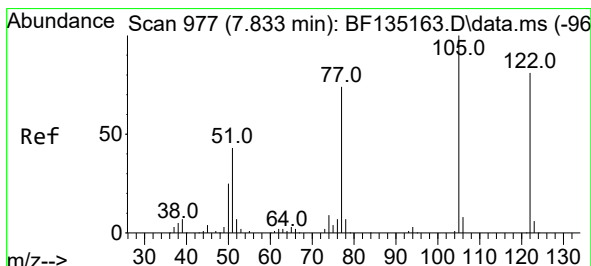
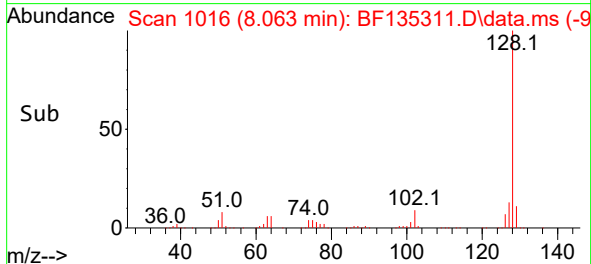
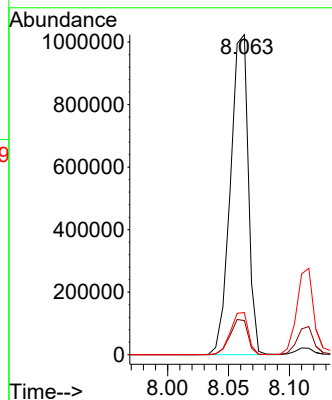
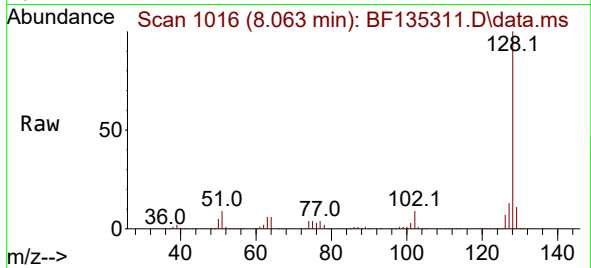




#31  
Naphthalene  
Concen: 49.088 ng  
RT: 8.063 min Scan# 1017  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

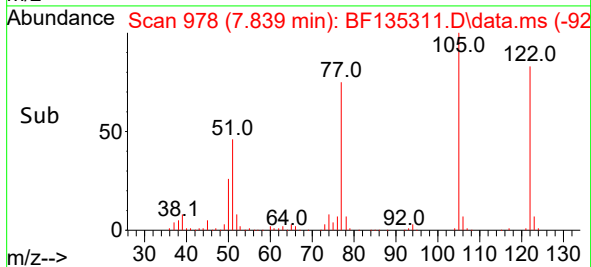
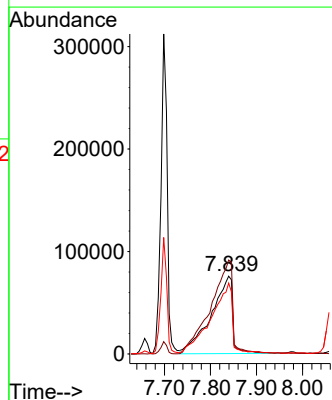
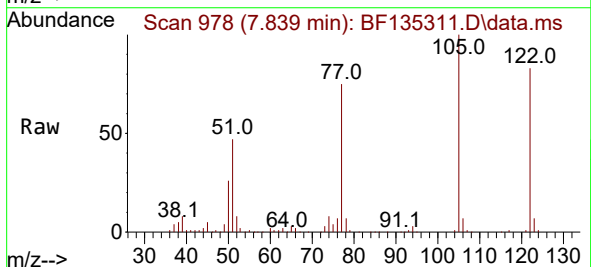
Instrument :  
BNA\_F  
ClientSampleId :

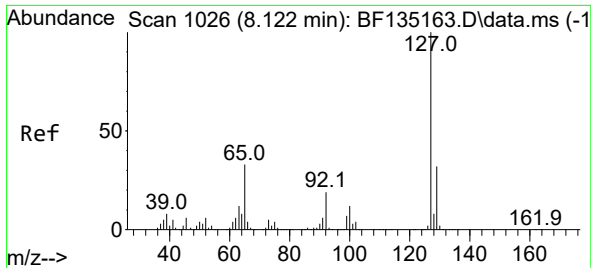
Tgt Ion:128 Resp: 1044672  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.7 13.1  
127 13.2 10.7 16.1



#32  
Benzoic acid  
Concen: 51.170 ng  
RT: 7.839 min Scan# 978  
Delta R.T. 0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:122 Resp: 247700  
Ion Ratio Lower Upper  
122 100  
105 120.7 99.9 139.9  
77 91.1 70.0 110.0

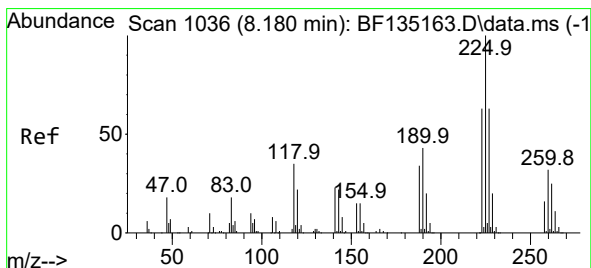
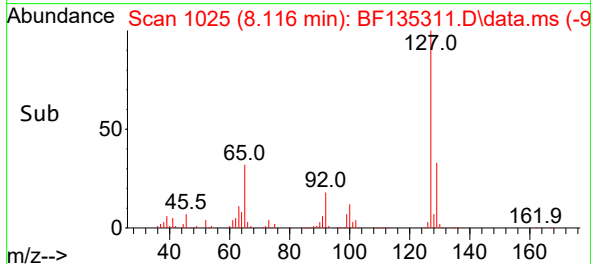
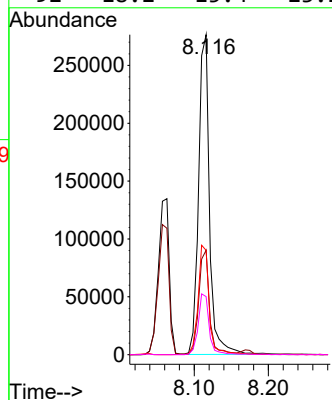
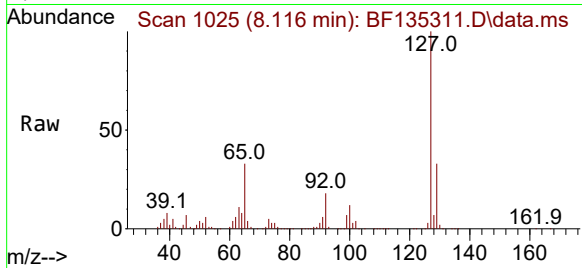




#33  
4-Chloroaniline  
Concen: 30.297 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

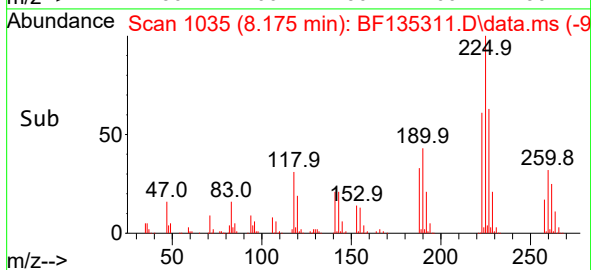
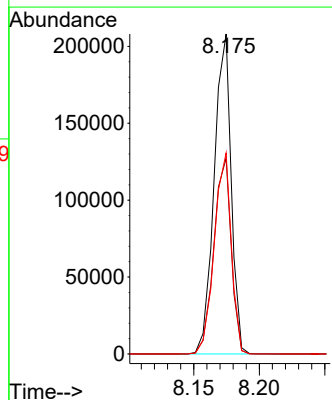
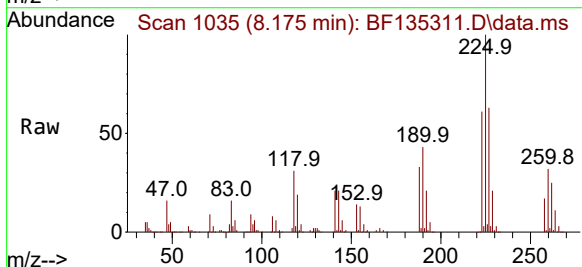
Instrument :  
BNA\_F  
ClientSampleId :

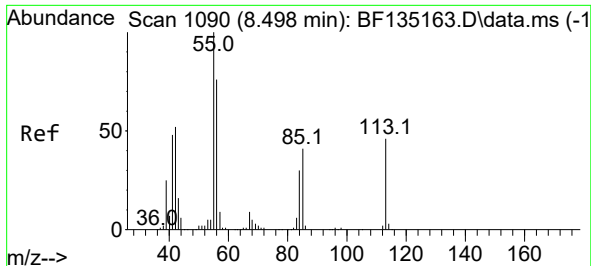
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 282891 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.7    | 25.8 38.8    |
| 65 32.6     | 26.6 39.8    |
| 92 18.2     | 15.4 23.2    |



#34  
Hexachlorobutadiene  
Concen: 49.931 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

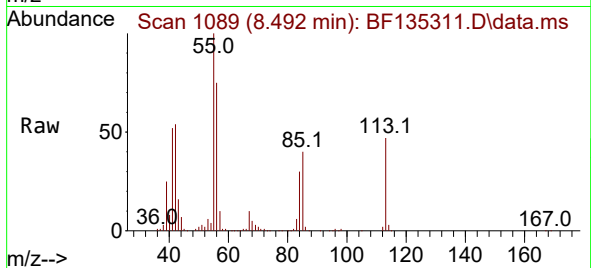
|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 187453 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 61.2    | 50.6 75.8    |
| 227 62.8    | 50.8 76.2    |



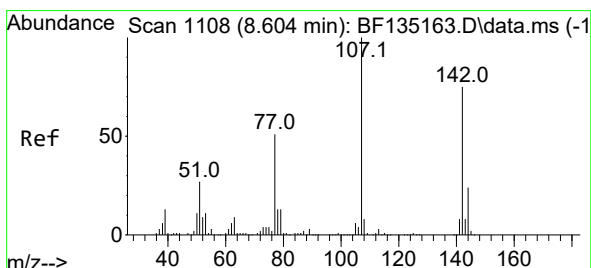
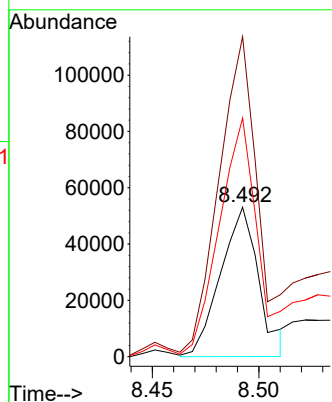
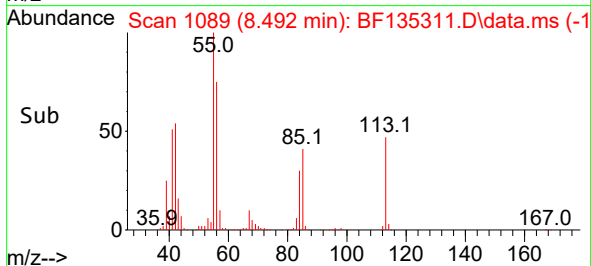


#35  
 Caprolactam  
 Concen: 32.979 ng  
 RT: 8.492 min Scan# 1089  
 Delta R.T. -0.006 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :

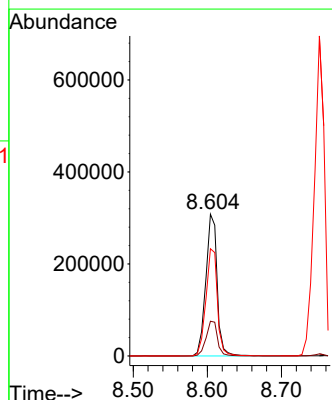
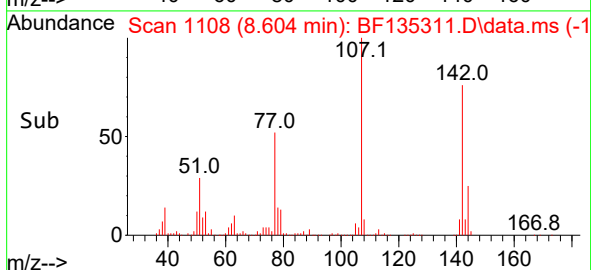
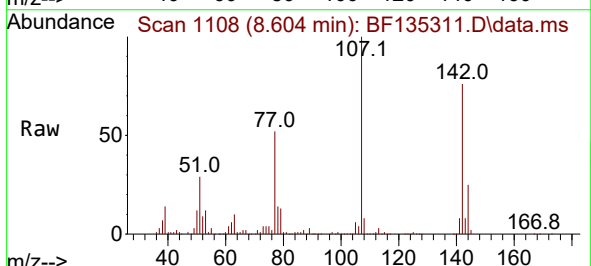


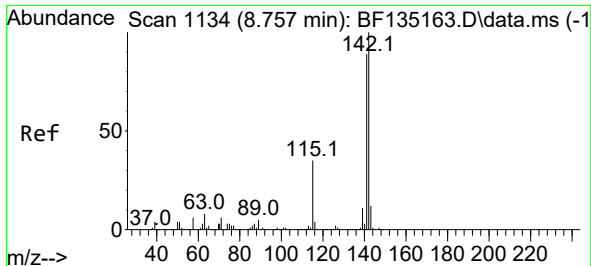
Tgt Ion:113 Resp: 65930  
 Ion Ratio Lower Upper  
 113 100  
 55 214.1 199.3 239.3  
 56 159.7 146.3 186.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 49.592 ng  
 RT: 8.604 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Tgt Ion:107 Resp: 328323  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 19.0 28.4  
 142 75.6 60.2 90.2

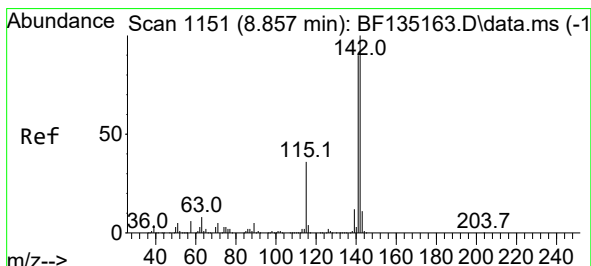
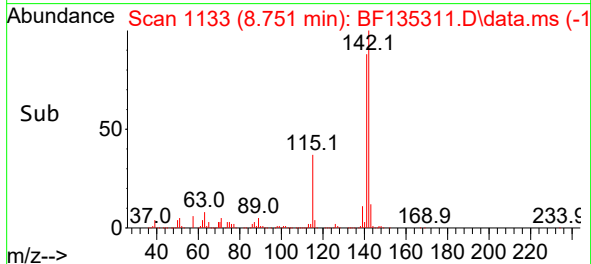
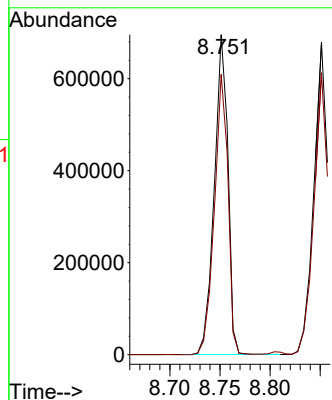
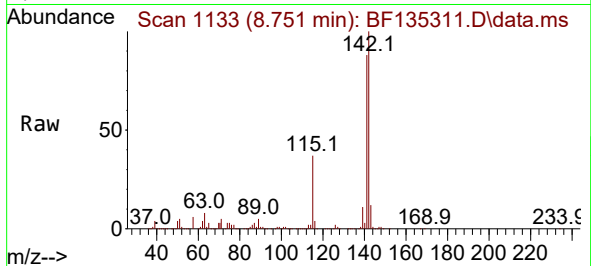




#37  
2-Methylnaphthalene  
Concen: 45.887 ng  
RT: 8.751 min Scan# 1134  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

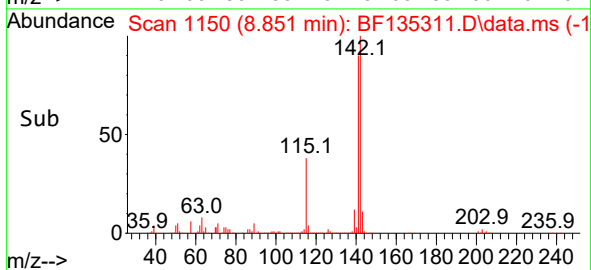
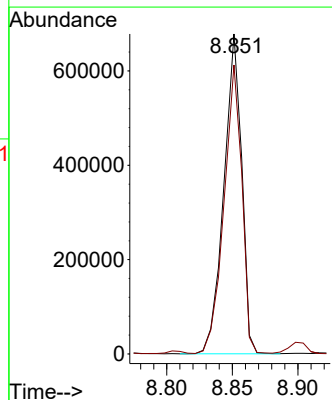
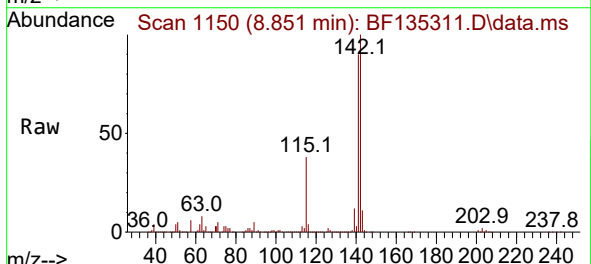
Instrument :  
BNA\_F  
ClientSampleId :

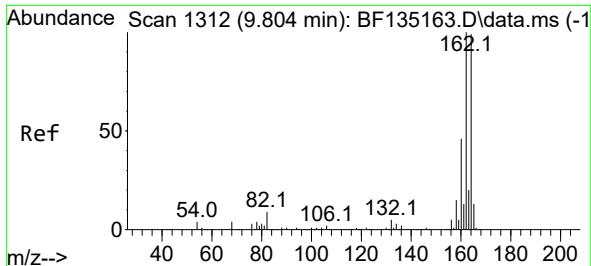
Tgt Ion:142 Resp: 656431  
Ion Ratio Lower Upper  
142 100  
141 87.6 71.0 106.6



#38  
1-Methylnaphthalene  
Concen: 47.665 ng  
RT: 8.851 min Scan# 1150  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:142 Resp: 638393  
Ion Ratio Lower Upper  
142 100  
141 90.3 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

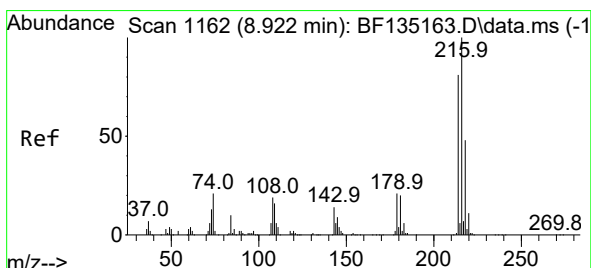
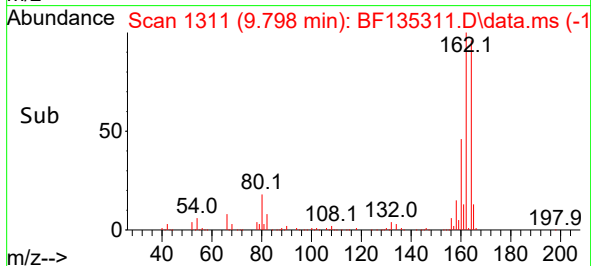
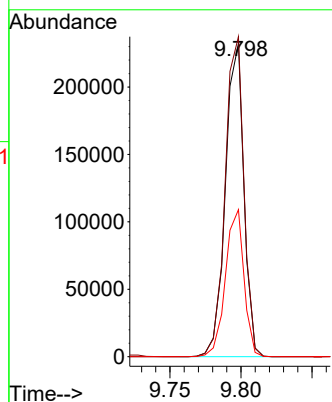
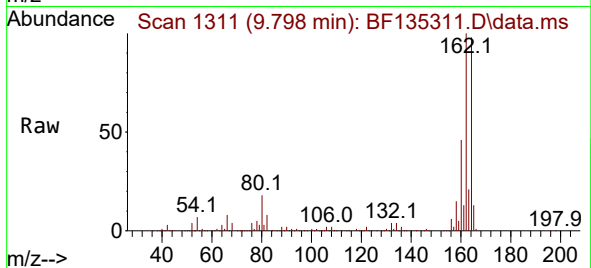
Tgt Ion:164 Resp: 209583

Ion Ratio Lower Upper

164 100

162 102.1 81.0 121.4

160 46.9 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.153 ng

RT: 8.922 min Scan# 1162

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Tgt Ion:216 Resp: 310589

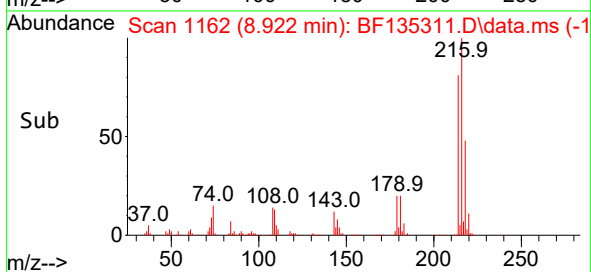
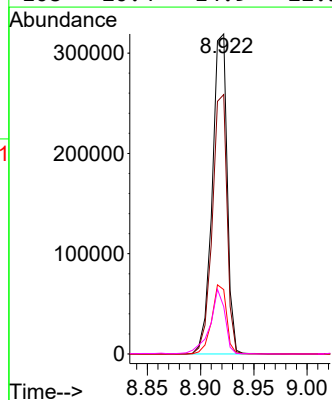
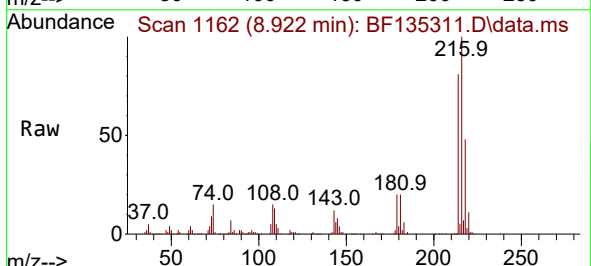
Ion Ratio Lower Upper

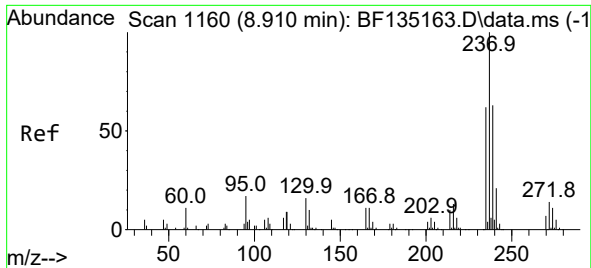
216 100

214 80.3 63.7 95.5

179 21.2 16.7 25.1

108 20.4 14.9 22.3

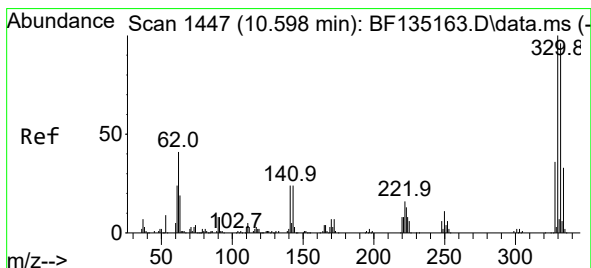
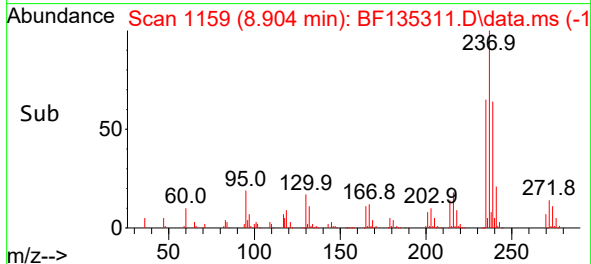
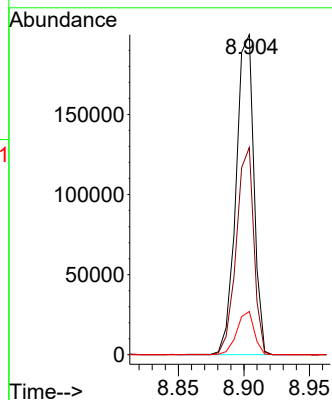
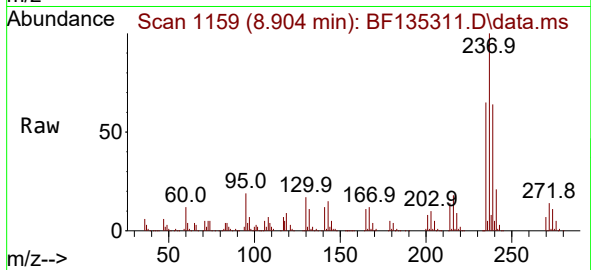




#41  
Hexachlorocyclopentadiene  
Concen: 71.879 ng  
RT: 8.904 min Scan# 1160  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

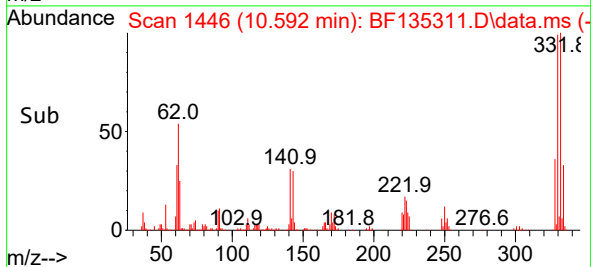
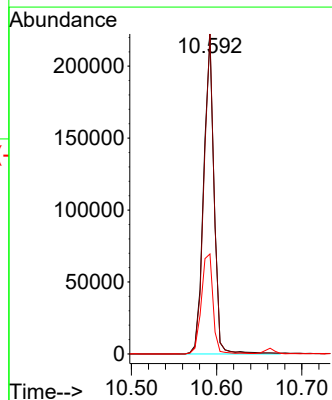
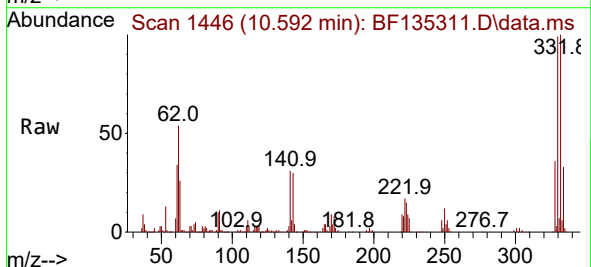
Instrument :  
BNA\_F  
ClientSampleId :

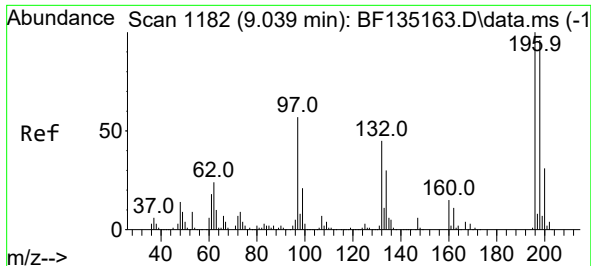
Tgt Ion:237 Resp: 190097  
Ion Ratio Lower Upper  
237 100  
235 64.7 41.8 81.8  
272 13.5 0.0 33.6



#42  
2,4,6-Tribromophenol  
Concen: 90.033 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:330 Resp: 187516  
Ion Ratio Lower Upper  
330 100  
332 97.8 77.3 115.9  
141 35.4 25.8 38.8





#43

2,4,6-Trichlorophenol

Concen: 53.236 ng

RT: 9.034 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

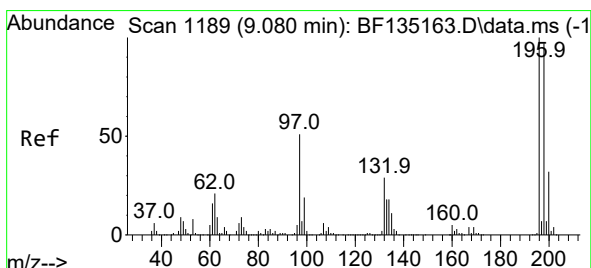
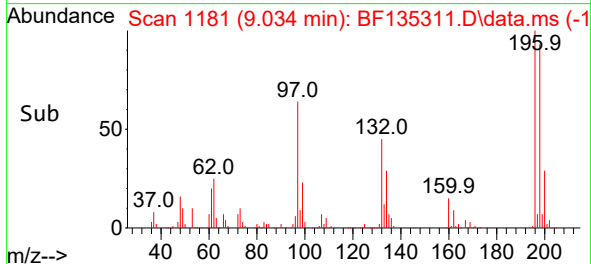
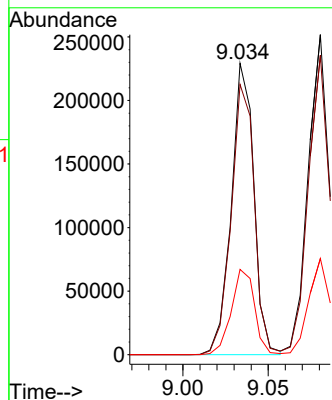
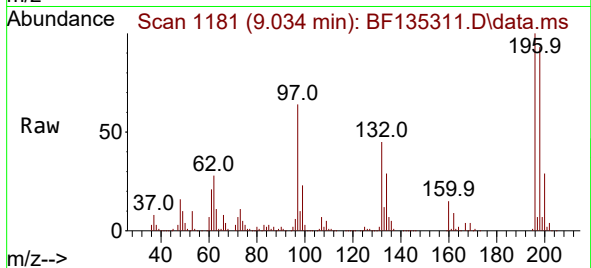
Tgt Ion:196 Resp: 211638

Ion Ratio Lower Upper

196 100

198 92.8 77.0 115.6

200 29.3 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 49.733 ng

RT: 9.081 min Scan# 1189

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Tgt Ion:196 Resp: 227688

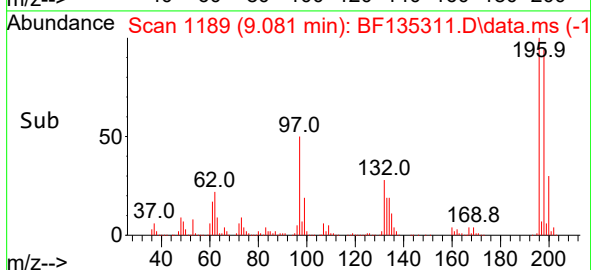
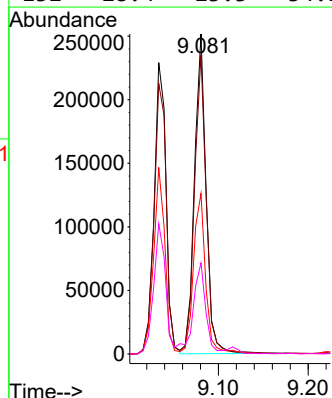
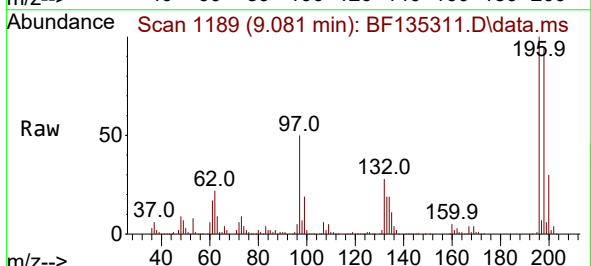
Ion Ratio Lower Upper

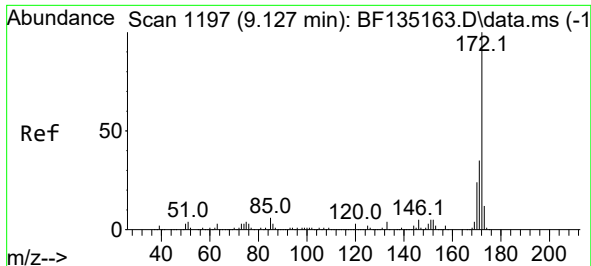
196 100

198 93.6 77.5 116.3

97 50.2 40.5 60.7

132 28.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 68.901 ng

RT: 9.116 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF135311.D

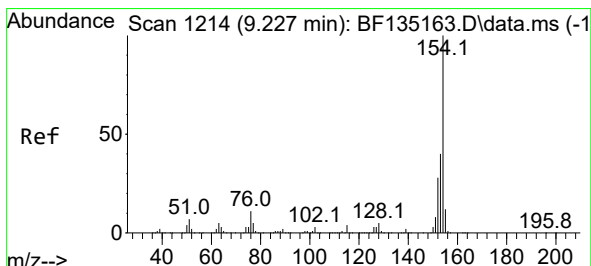
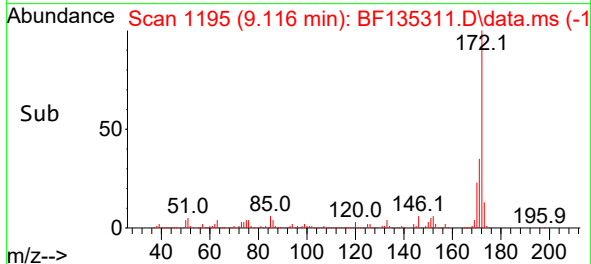
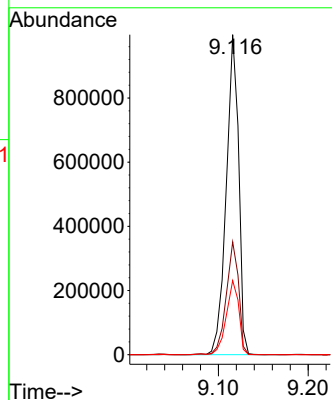
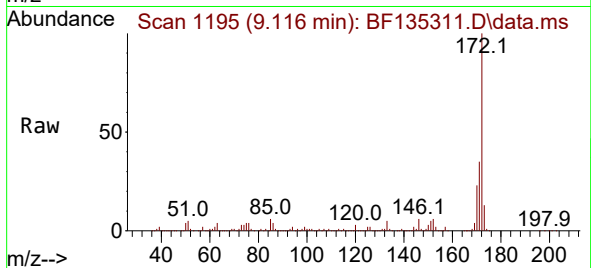
Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion:172 | Resp: 957140   |
| Ion Ratio   | Lower Upper    |
| 172         | 100            |
| 171         | 35.2 28.4 42.6 |
| 170         | 23.1 19.0 28.4 |



#46

1,1'-Biphenyl

Concen: 51.617 ng

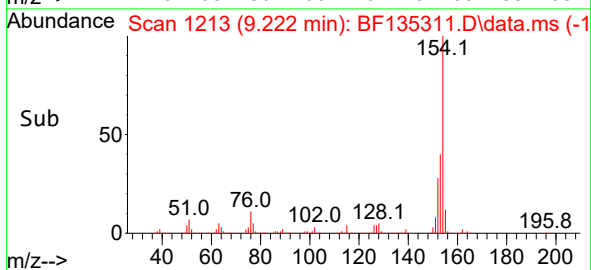
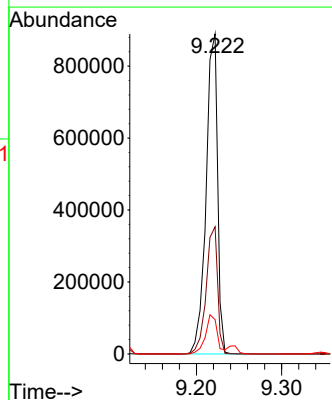
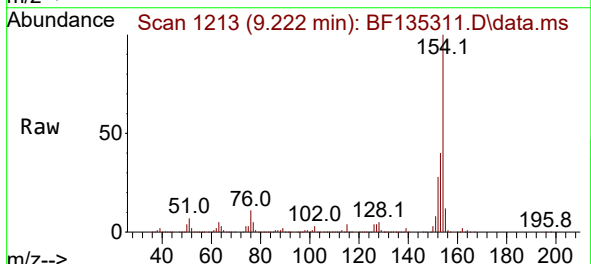
RT: 9.222 min Scan# 1213

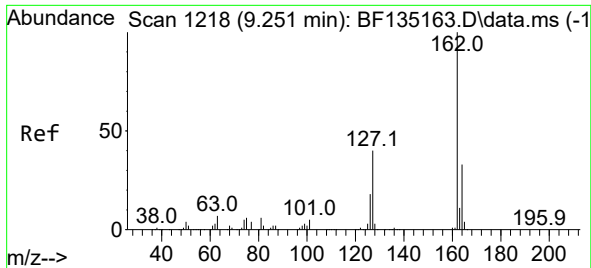
Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

|             |                |
|-------------|----------------|
| Tgt Ion:154 | Resp: 831343   |
| Ion Ratio   | Lower Upper    |
| 154         | 100            |
| 153         | 39.7 19.6 59.6 |
| 76          | 10.8 0.0 31.0  |

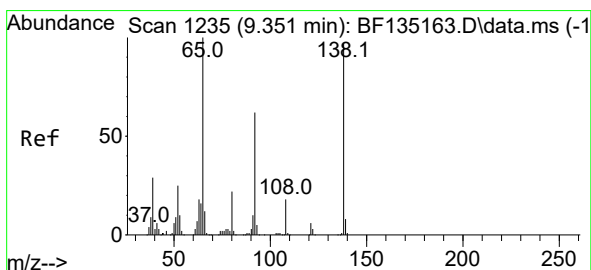
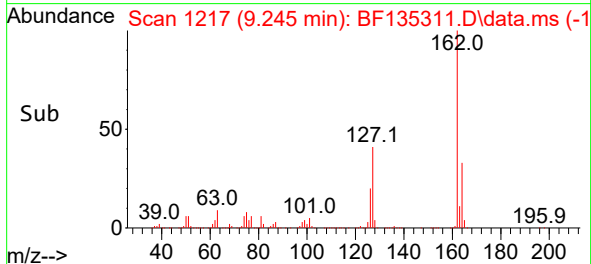
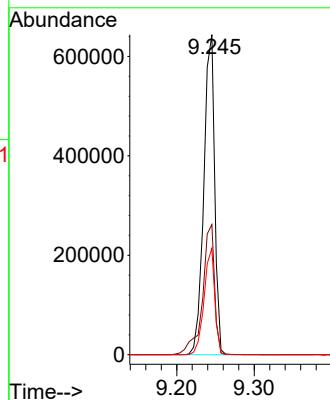
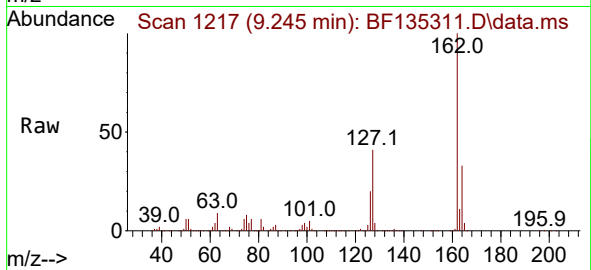




#47  
2-Chloronaphthalene  
Concen: 53.695 ng  
RT: 9.245 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

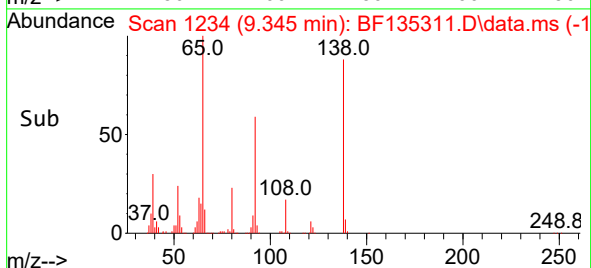
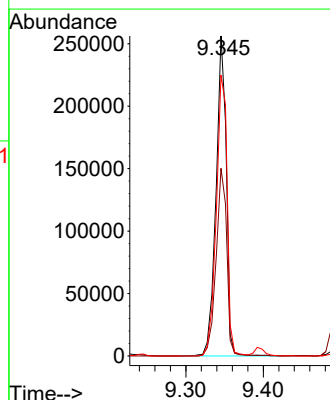
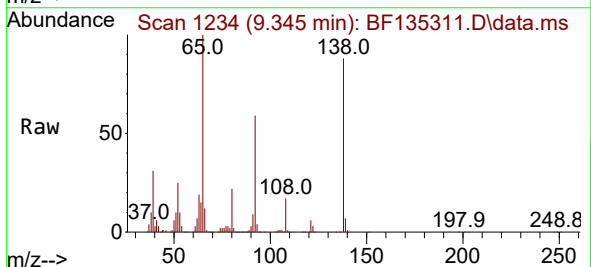
Instrument :  
BNA\_F  
ClientSampleId :

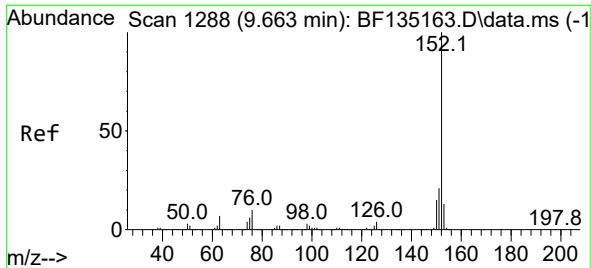
Tgt Ion:162 Resp: 627478  
Ion Ratio Lower Upper  
162 100  
127 40.6 32.6 48.8  
164 33.2 26.2 39.2



#48  
2-Nitroaniline  
Concen: 51.940 ng  
RT: 9.345 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion: 65 Resp: 235803  
Ion Ratio Lower Upper  
65 100  
92 58.6 49.4 74.0  
138 87.8 77.4 116.0





#49

Acenaphthylene

Concen: 52.506 ng

RT: 9.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

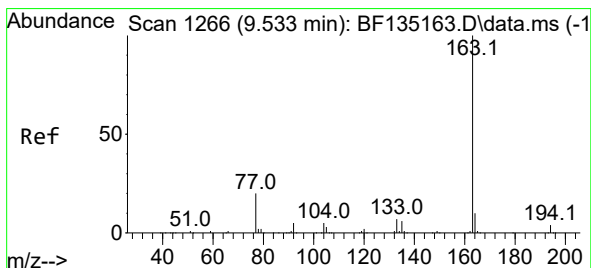
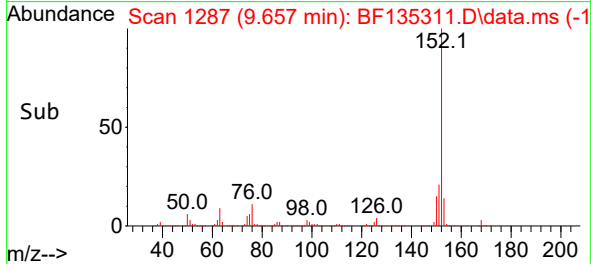
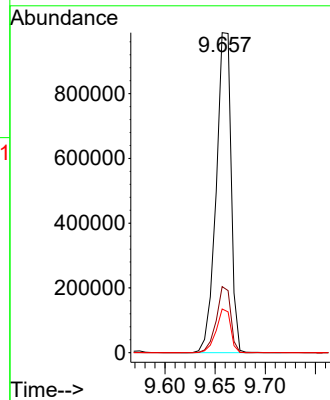
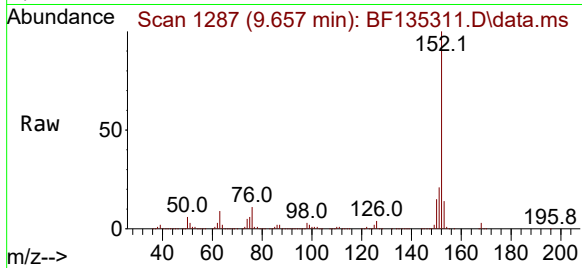
Tgt Ion:152 Resp: 1019734

Ion Ratio Lower Upper

152 100

151 20.7 16.4 24.6

153 13.7 10.4 15.6



#50

Dimethylphthalate

Concen: 50.467 ng

RT: 9.528 min Scan# 1265

Delta R.T. -0.005 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

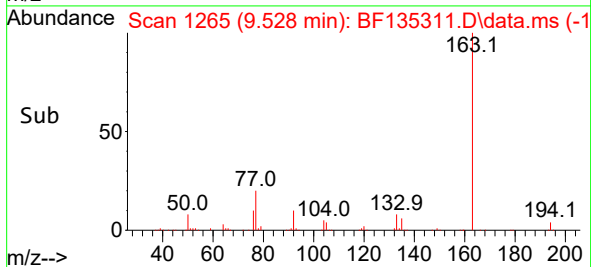
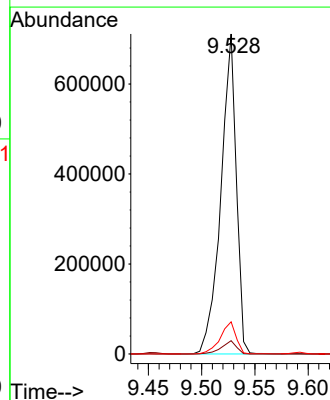
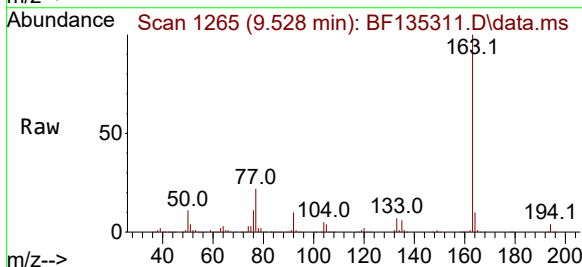
Tgt Ion:163 Resp: 715113

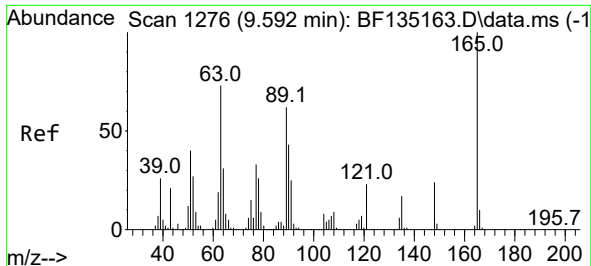
Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

164 10.1 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 51.641 ng

RT: 9.592 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

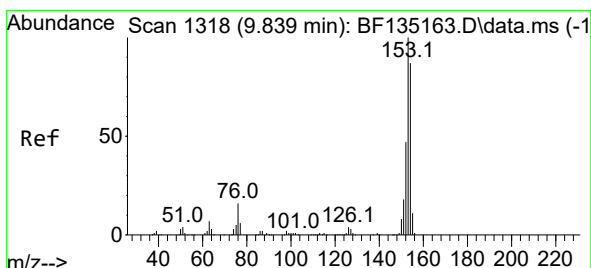
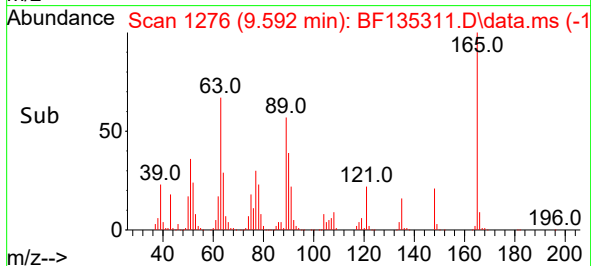
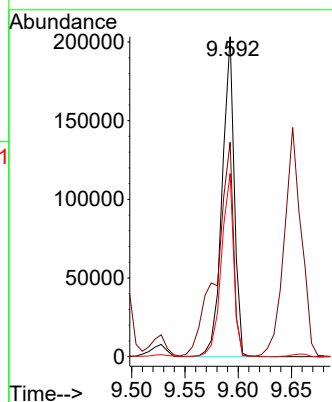
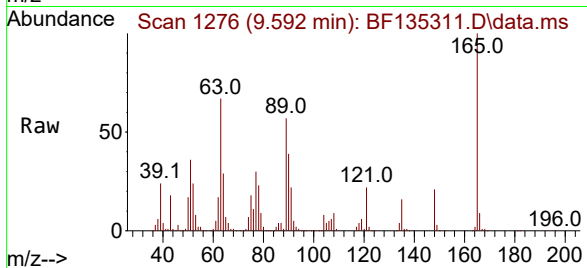
Tgt Ion:165 Resp: 160301

Ion Ratio Lower Upper

165 100

63 67.0 59.4 89.2

89 57.2 49.8 74.8



#52

Acenaphthene

Concen: 50.604 ng

RT: 9.833 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

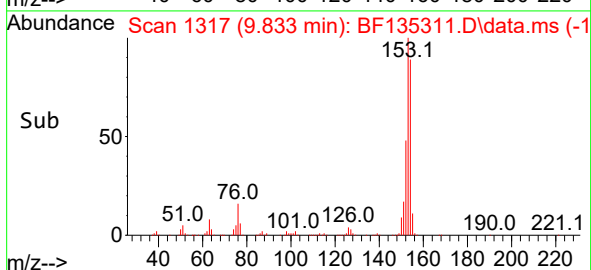
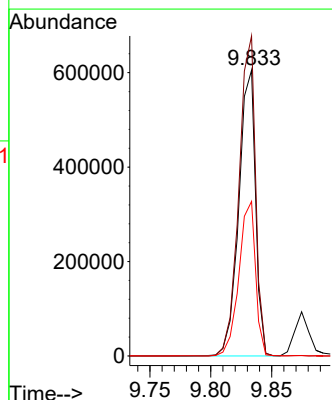
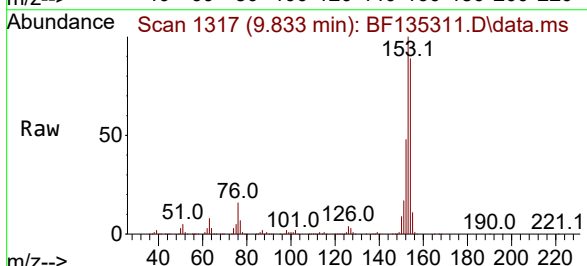
Tgt Ion:154 Resp: 580575

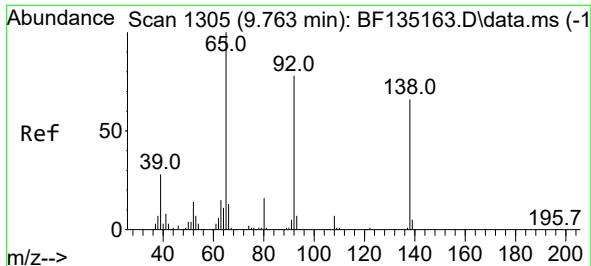
Ion Ratio Lower Upper

154 100

153 112.0 92.1 138.1

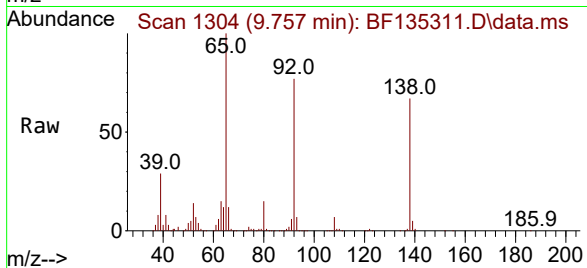
152 54.1 43.1 64.7



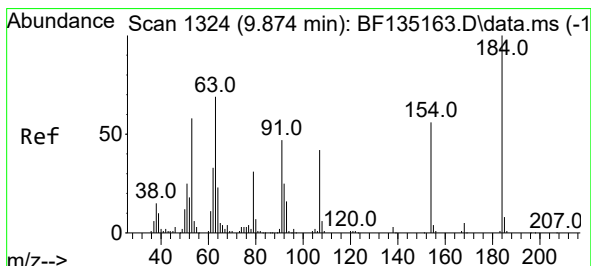
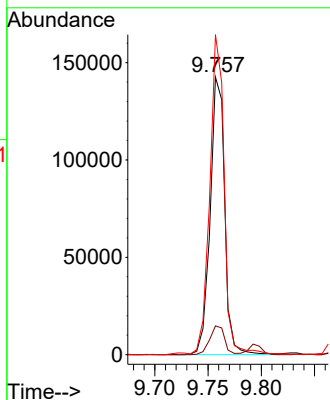
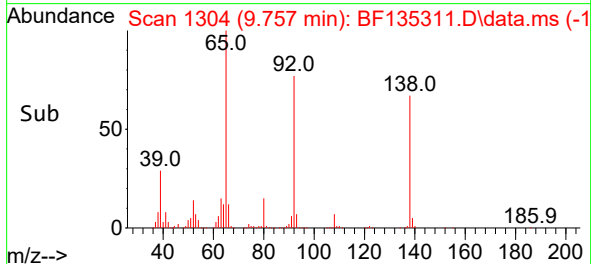


#53  
3-Nitroaniline  
Concen: 37.200 ng  
RT: 9.757 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

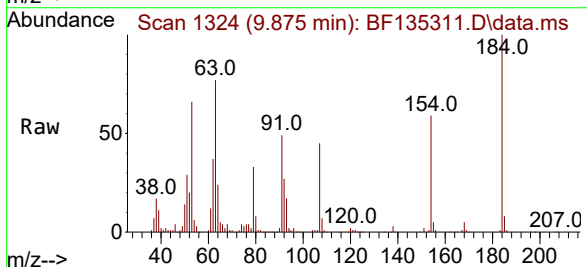
Instrument :  
BNA\_F  
ClientSampleId :



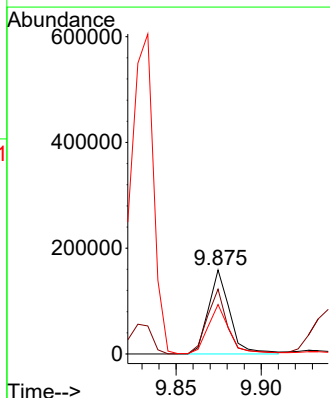
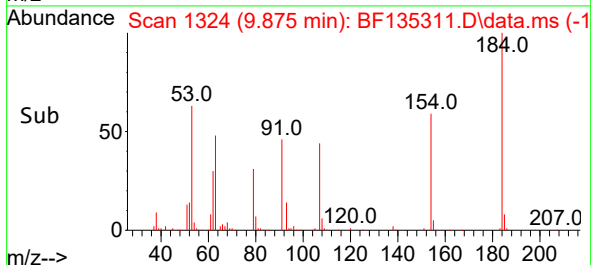
Tgt Ion:138 Resp: 135549  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.5 12.7  
92 115.3 95.4 143.0

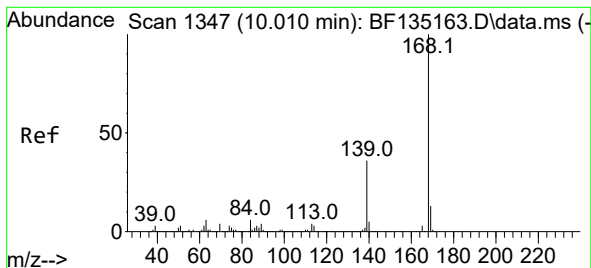


#54  
2,4-Dinitrophenol  
Concen: 78.215 ng  
RT: 9.875 min Scan# 1324  
Delta R.T. 0.001 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



Tgt Ion:184 Resp: 137566  
Ion Ratio Lower Upper  
184 100  
63 77.2 55.1 82.7  
154 58.8 48.4 72.6





#55

Dibenzenofuran

Concen: 48.126 ng

RT: 10.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

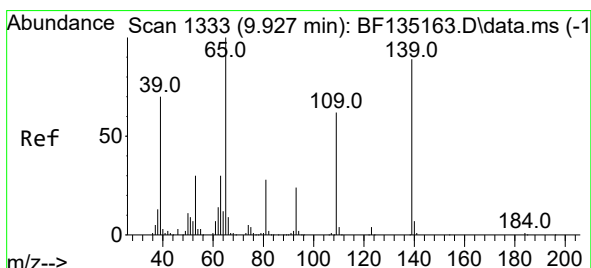
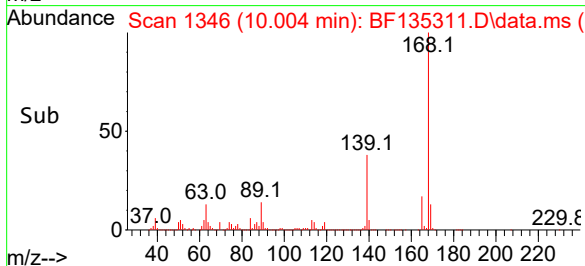
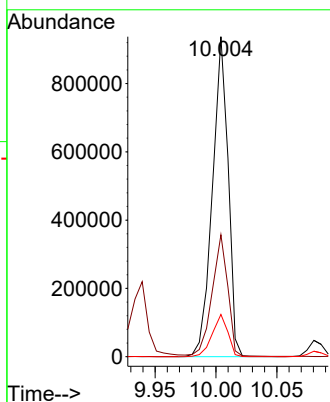
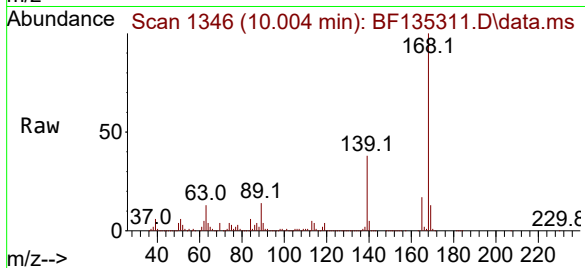
Tgt Ion:168 Resp: 842567

Ion Ratio Lower Upper

168 100

139 38.1 29.0 43.6

169 13.2 10.4 15.6



#56

4-Nitrophenol

Concen: 91.031 ng

RT: 9.939 min Scan# 1335

Delta R.T. 0.012 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

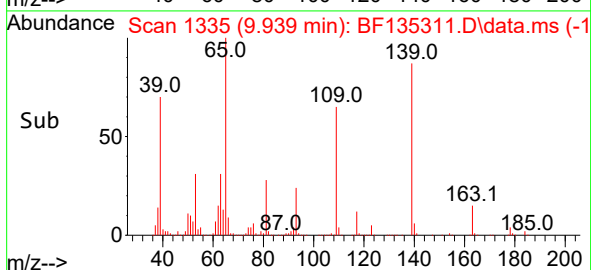
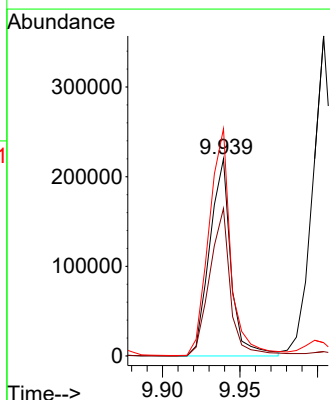
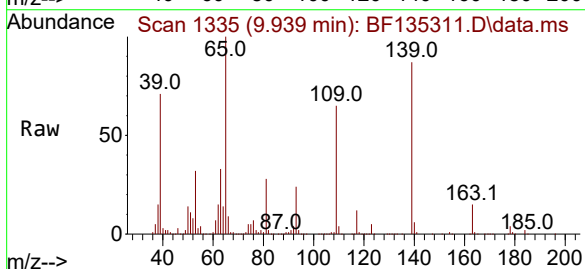
Tgt Ion:139 Resp: 210810

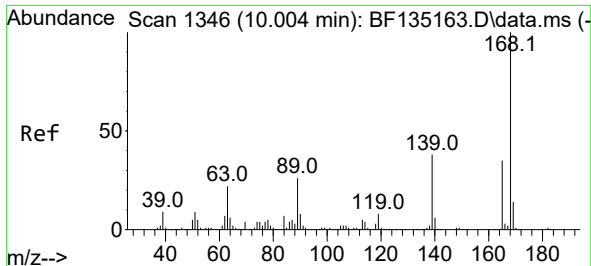
Ion Ratio Lower Upper

139 100

109 74.9 49.8 89.8

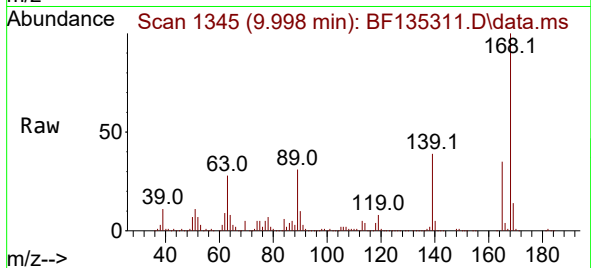
65 115.3 92.7 132.7



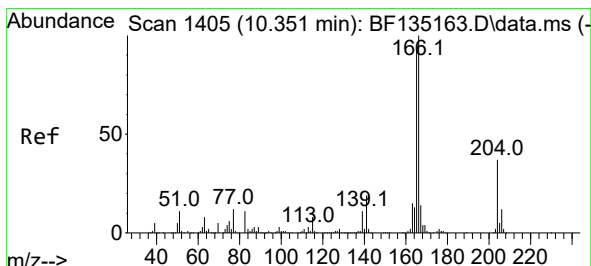
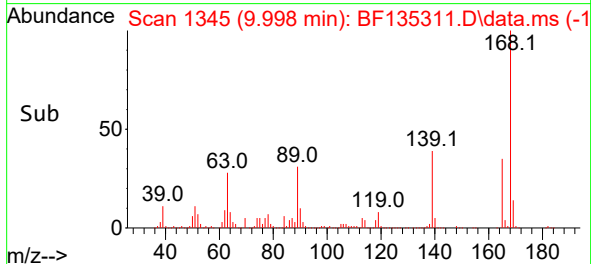
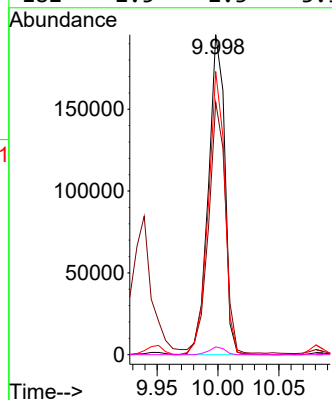


#57  
2,4-Dinitrotoluene  
Concen: 47.221 ng  
RT: 9.998 min Scan# 1345  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Instrument :  
BNA\_F  
ClientSampleId :

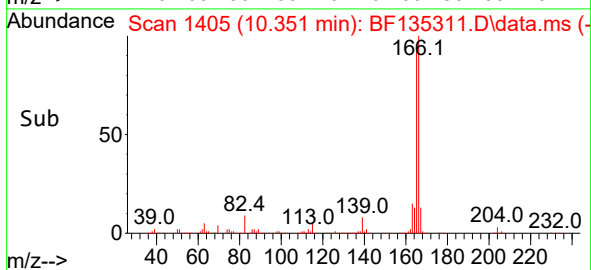
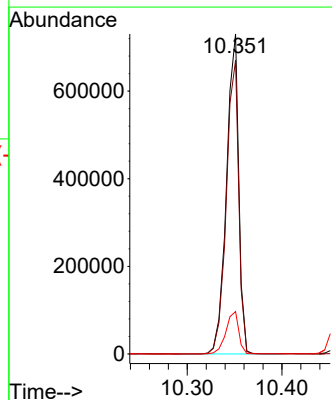
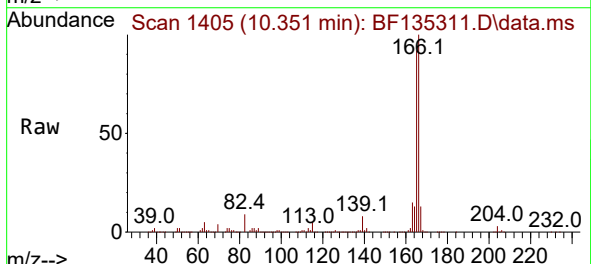


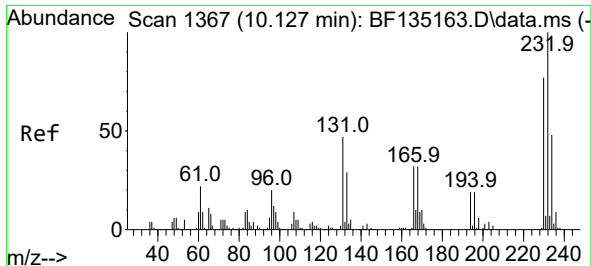
Tgt Ion:165 Resp: 183507  
Ion Ratio Lower Upper  
165 100  
63 78.9 50.1 75.1#  
89 88.5 59.3 88.9  
182 2.5 2.3 3.5



#58  
Fluorene  
Concen: 48.921 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:166 Resp: 658431  
Ion Ratio Lower Upper  
166 100  
165 91.7 74.3 111.5  
167 13.2 10.9 16.3

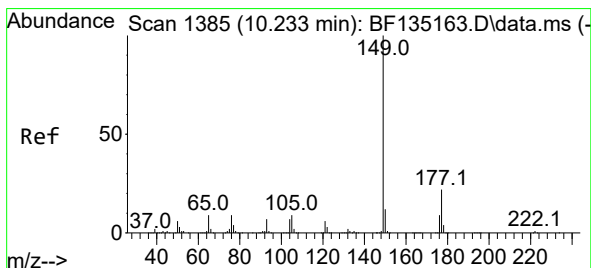
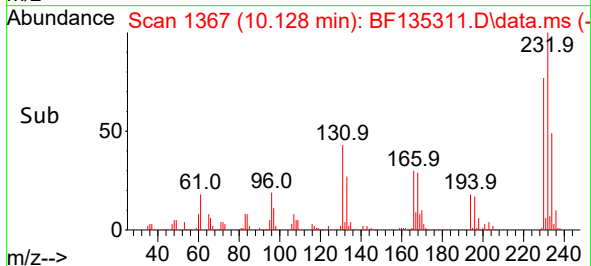
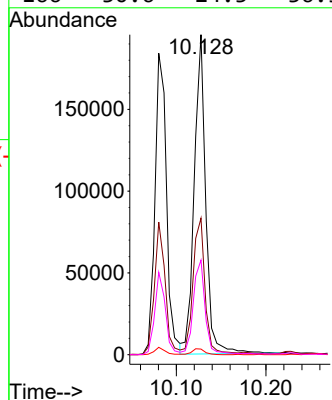
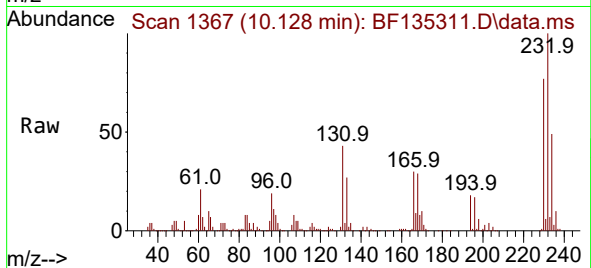




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.515 ng  
RT: 10.128 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

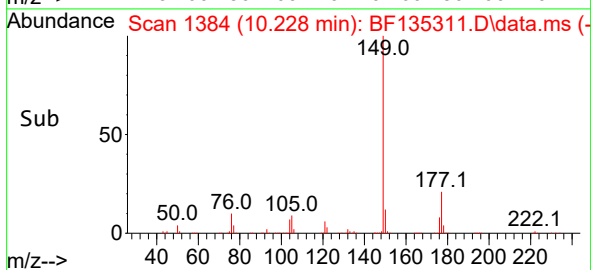
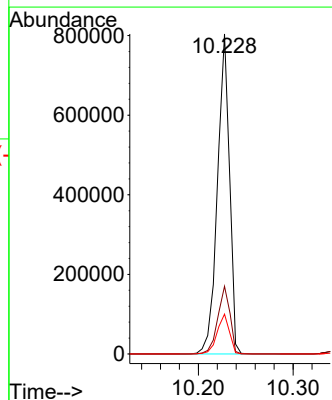
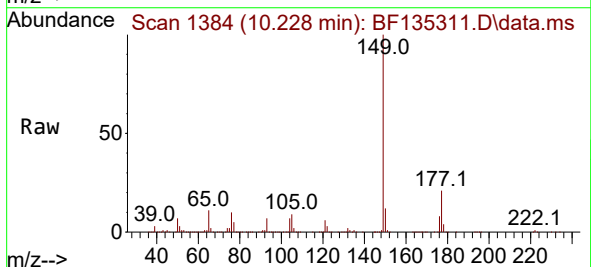
Instrument :  
BNA\_F  
ClientSampleId :

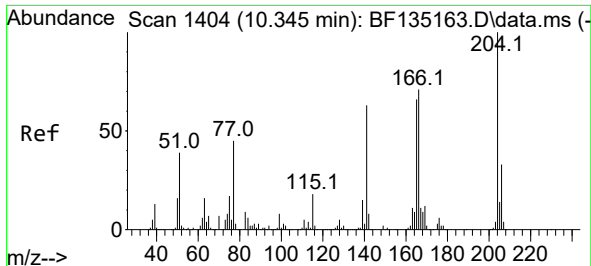
Tgt Ion:232 Resp: 174380  
Ion Ratio Lower Upper  
232 100  
131 43.1 35.4 53.2  
130 2.0 1.8 2.8  
166 30.6 24.3 36.5



#60  
Diethylphthalate  
Concen: 49.886 ng  
RT: 10.228 min Scan# 1384  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:149 Resp: 709416  
Ion Ratio Lower Upper  
149 100  
177 21.1 17.8 26.6  
150 12.4 10.0 15.0

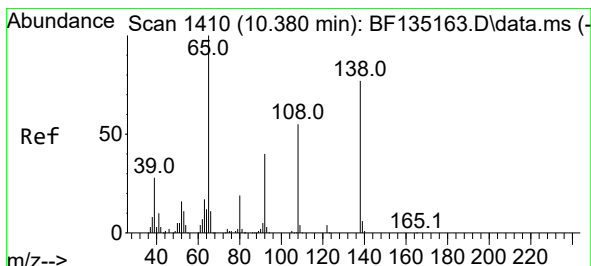
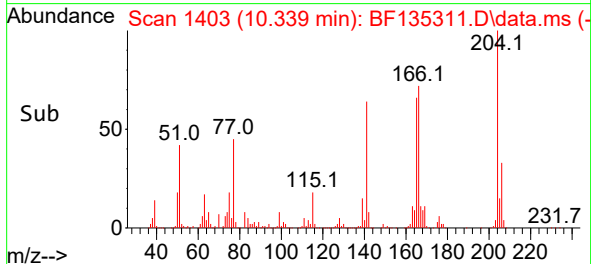
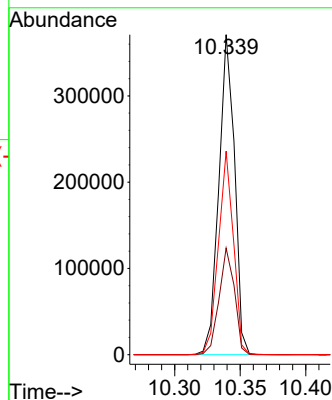
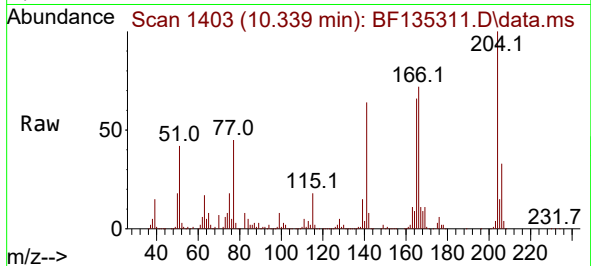




#61  
4-Chlorophenyl-phenylether  
Concen: 47.580 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

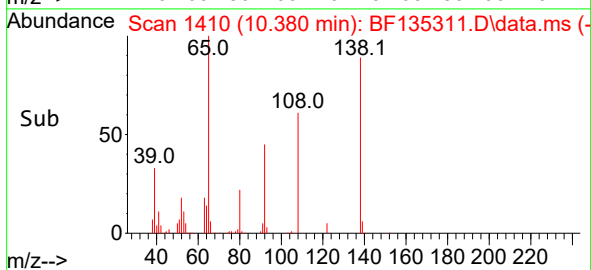
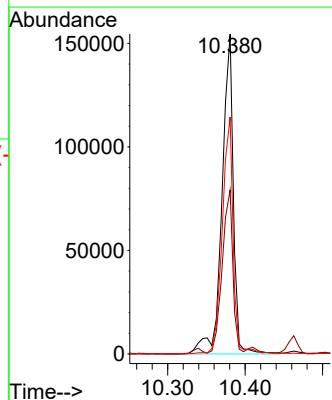
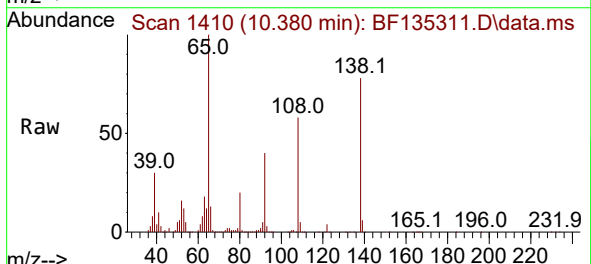
Instrument :  
BNA\_F  
ClientSampleId :

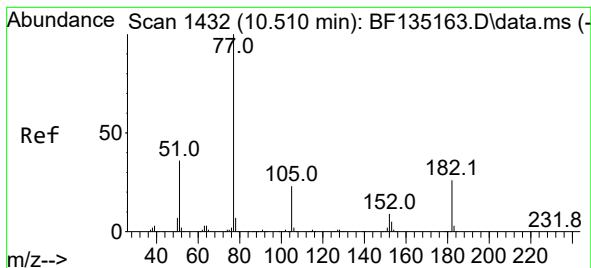
Tgt Ion:204 Resp: 307623  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.7 40.1  
141 63.6 50.6 75.8



#62  
4-Nitroaniline  
Concen: 45.099 ng  
RT: 10.380 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:138 Resp: 157963  
Ion Ratio Lower Upper  
138 100  
92 51.3 31.8 71.8  
108 74.1 52.0 92.0





#63

Azobenzene

Concen: 49.847 ng

RT: 10.504 min Scan# 1432

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

Tgt Ion: 77 Resp: 693767

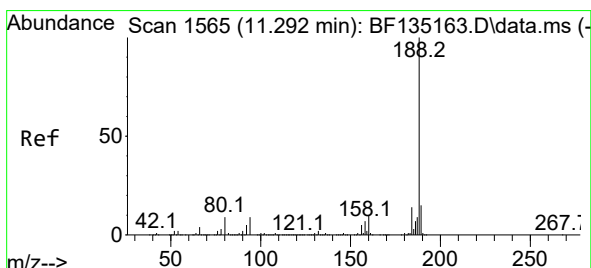
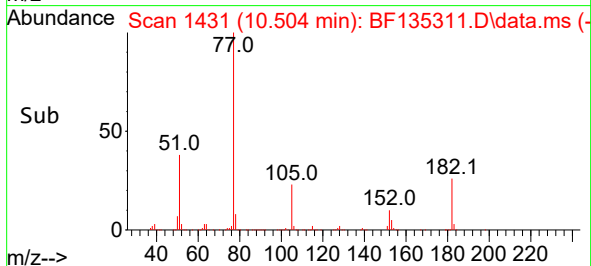
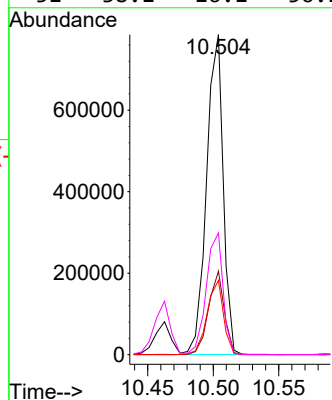
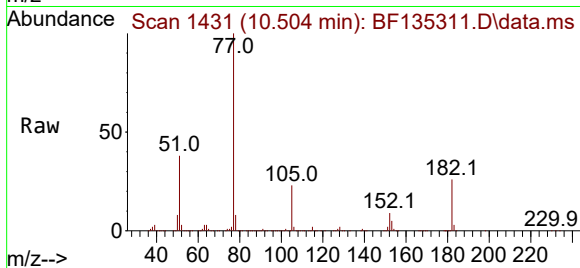
Ion Ratio Lower Upper

77 100

182 26.1 6.4 46.4

105 23.2 3.1 43.1

51 38.1 16.1 56.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.286 min Scan# 1564

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

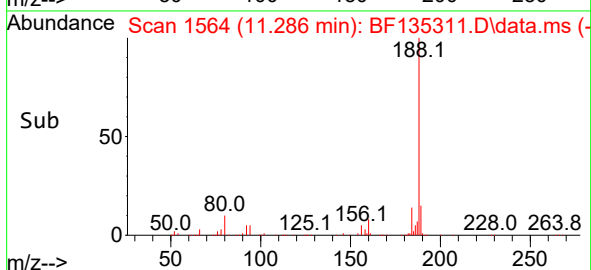
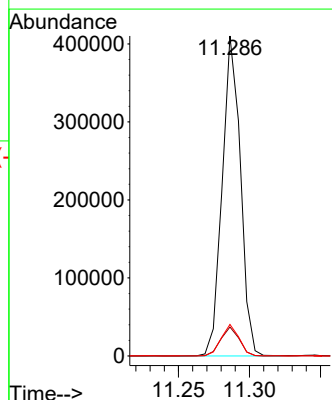
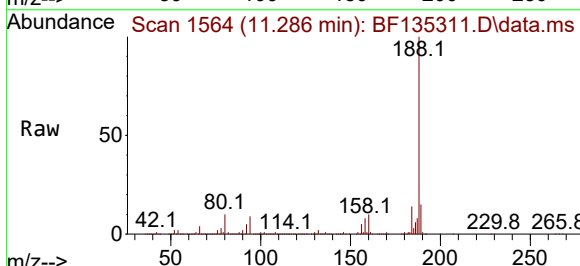
Tgt Ion:188 Resp: 365288

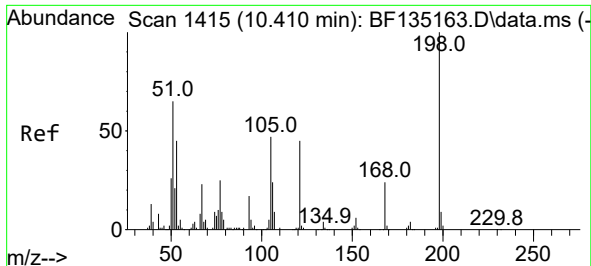
Ion Ratio Lower Upper

188 100

94 9.1 7.0 10.6

80 9.9 7.5 11.3

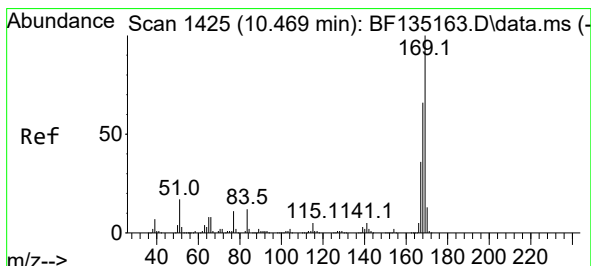
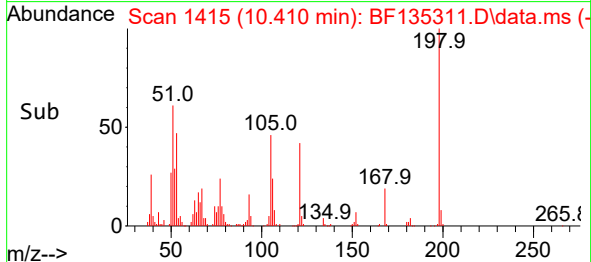
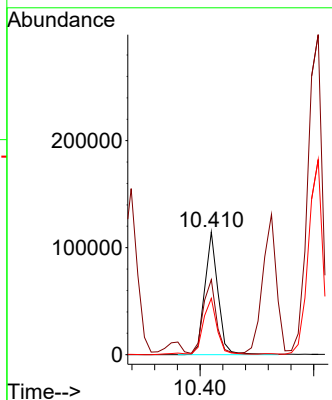
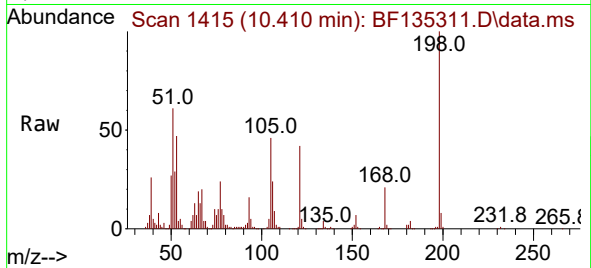




#65  
4,6-Dinitro-2-methylphenol  
Concen: 47.667 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

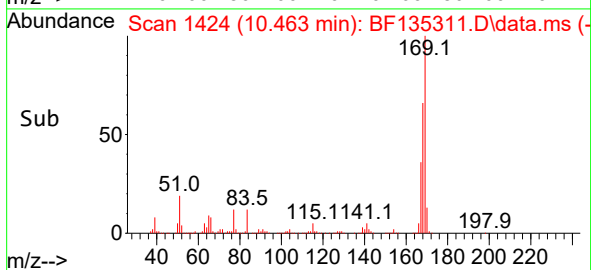
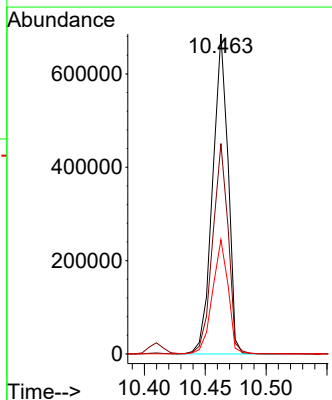
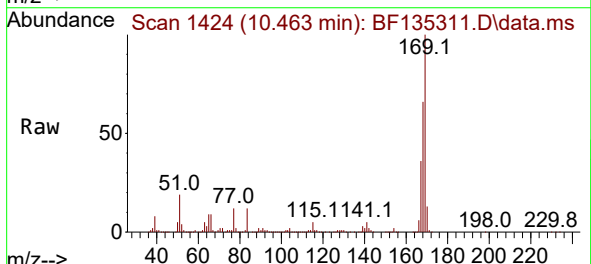
Instrument :  
BNA\_F  
ClientSampleId :

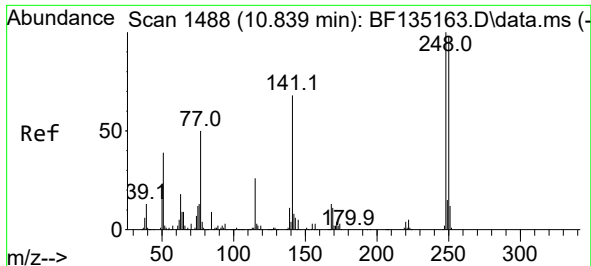
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 61.1  | 47.7  | 87.7  |
| 105     | 45.9  | 27.4  | 67.4  |



#66  
n-Nitrosodiphenylamine  
Concen: 54.312 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 65.8  | 52.8  | 79.2  |
| 167     | 35.7  | 29.0  | 43.6  |

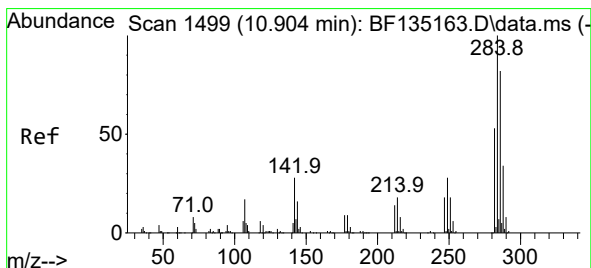
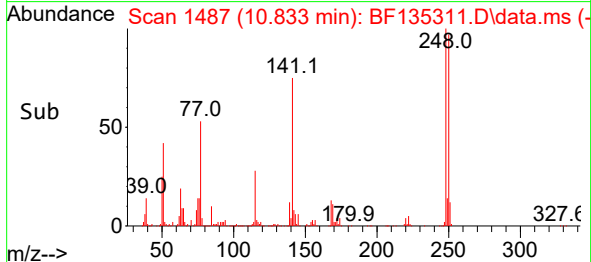
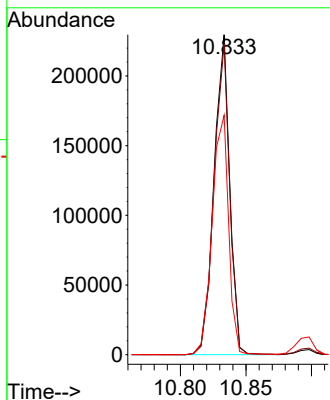
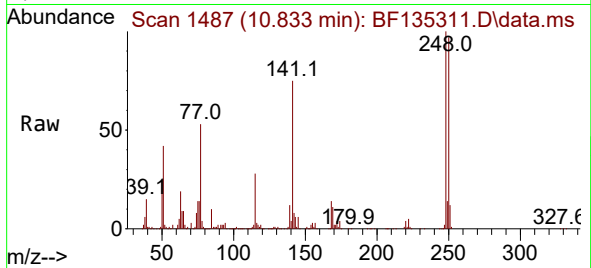




#67  
4-Bromophenyl-phenylether  
Concen: 52.668 ng  
RT: 10.833 min Scan# 1487  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

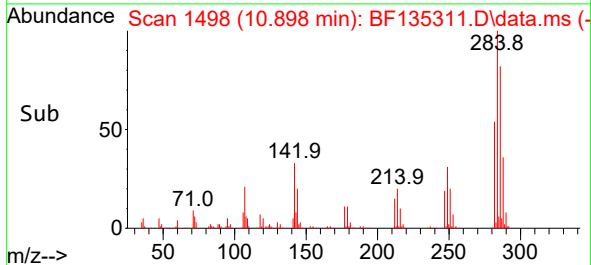
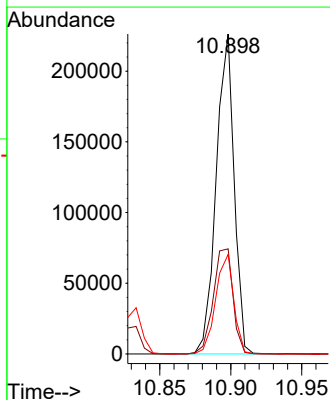
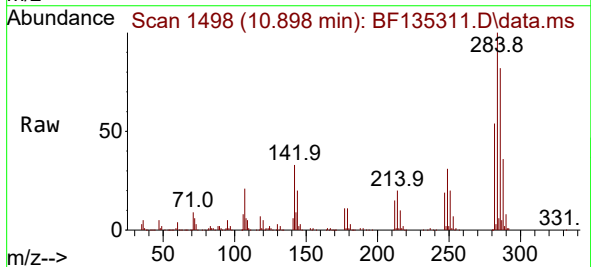
Instrument :  
BNA\_F  
ClientSampleId :

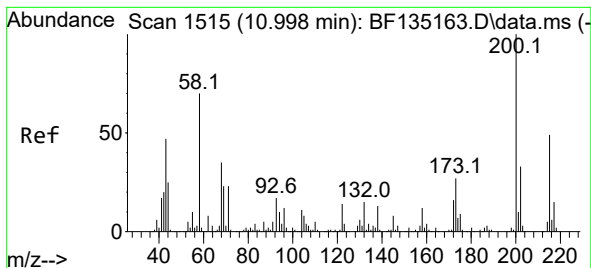
Tgt Ion:248 Resp: 191346  
Ion Ratio Lower Upper  
248 100  
250 97.1 78.6 117.8  
141 74.8 54.2 81.2



#68  
Hexachlorobenzene  
Concen: 53.534 ng  
RT: 10.898 min Scan# 1498  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:284 Resp: 198143  
Ion Ratio Lower Upper  
284 100  
142 32.9 22.2 33.4  
249 31.1 22.5 33.7





#69

Atrazine

Concen: 60.139 ng

RT: 10.998 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

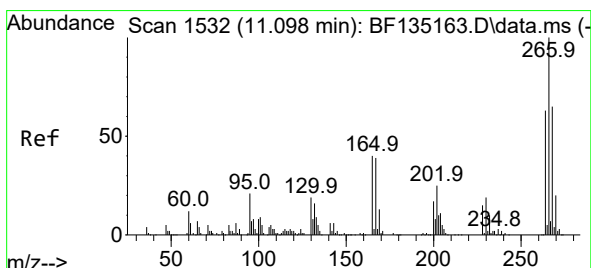
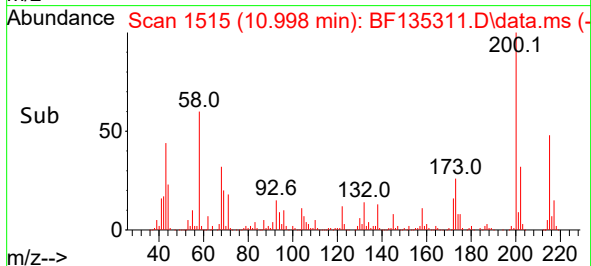
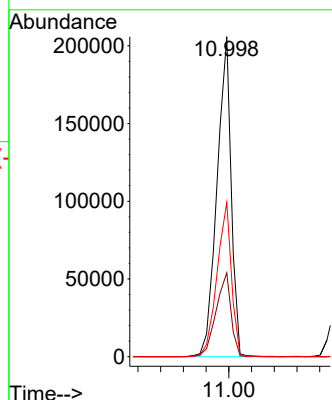
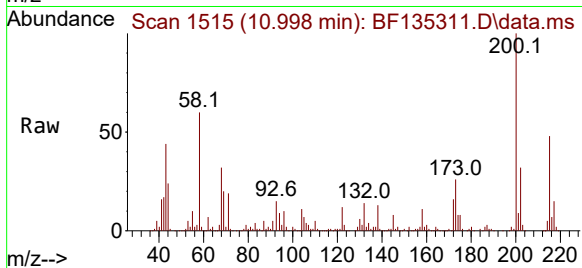
Tgt Ion:200 Resp: 178953

Ion Ratio Lower Upper

200 100

173 26.2 7.4 47.4

215 48.2 28.6 68.6



#70

Pentachlorophenol

Concen: 82.968 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

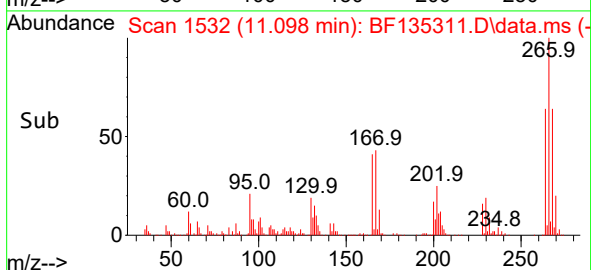
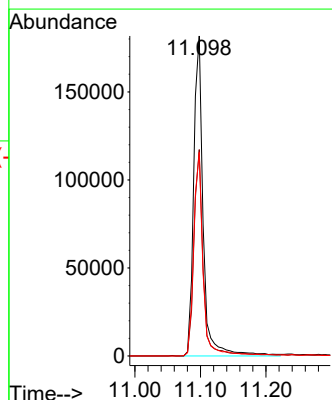
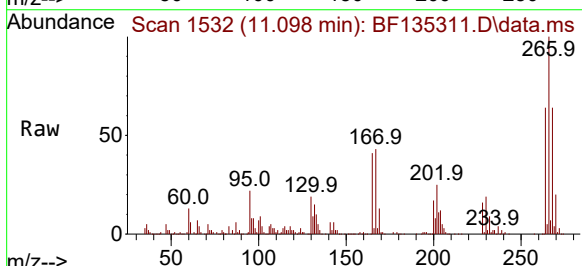
Tgt Ion:266 Resp: 183729

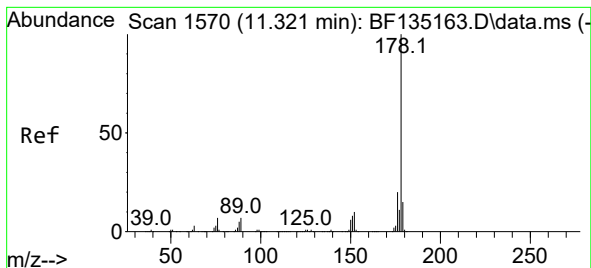
Ion Ratio Lower Upper

266 100

268 64.5 52.1 78.1

264 63.6 50.8 76.2





#71

Phenanthrene

Concen: 51.122 ng

RT: 11.316 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

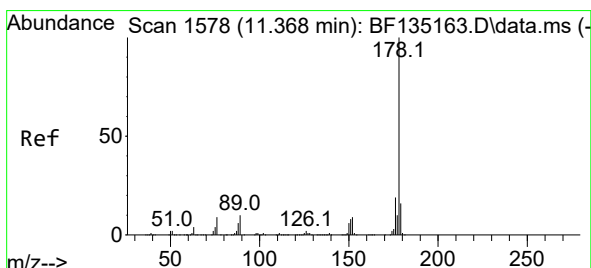
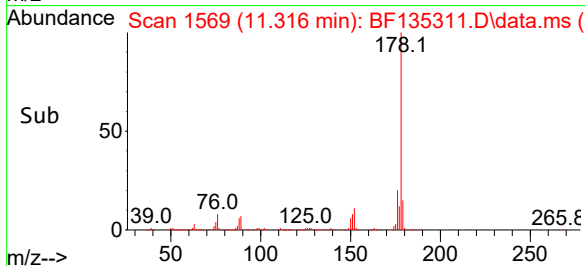
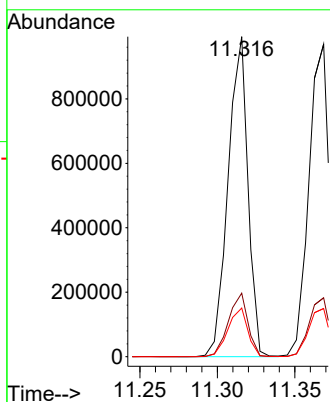
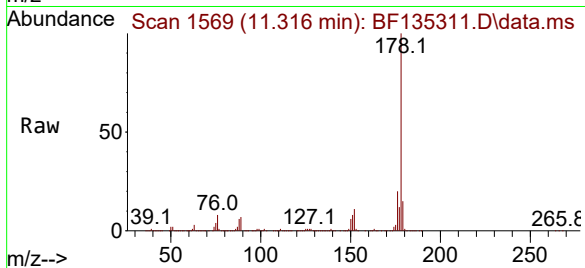
Tgt Ion:178 Resp: 883211

Ion Ratio Lower Upper

178 100

176 19.8 15.6 23.4

179 15.2 12.0 18.0



#72

Anthracene

Concen: 49.977 ng

RT: 11.369 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

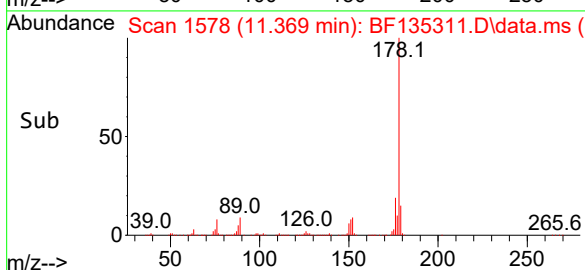
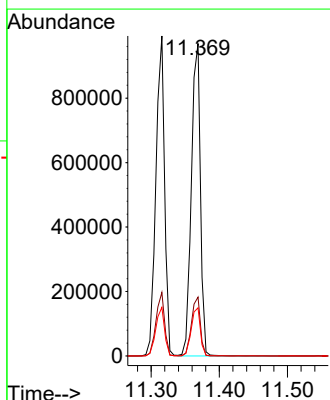
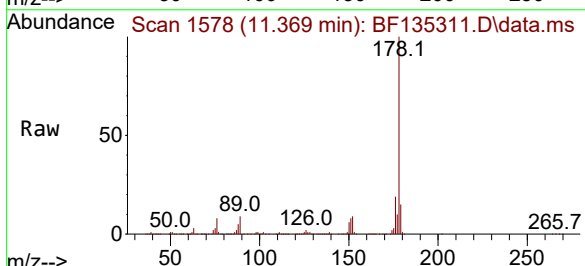
Tgt Ion:178 Resp: 887514

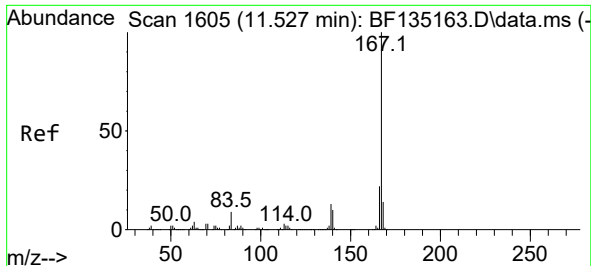
Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

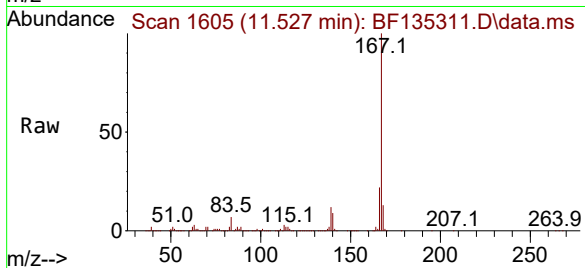
179 15.4 12.6 19.0



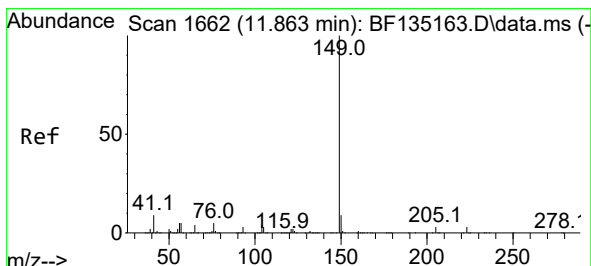
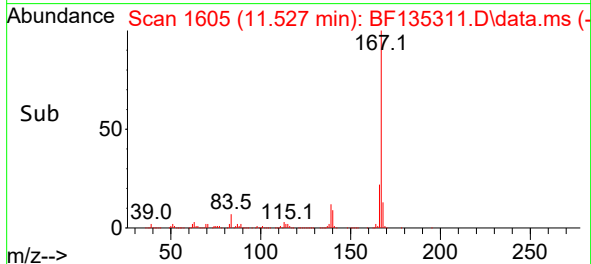
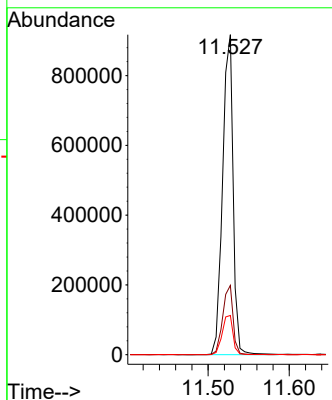


#73  
 Carbazole  
 Concen: 51.310 ng  
 RT: 11.527 min Scan# 1605  
 Delta R.T. 0.000 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :

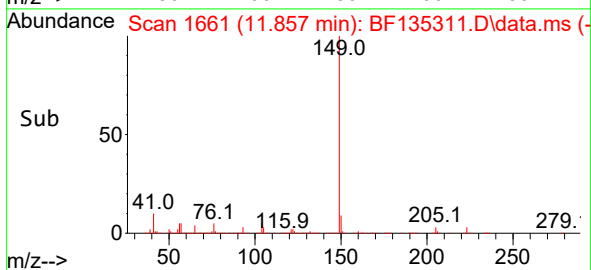
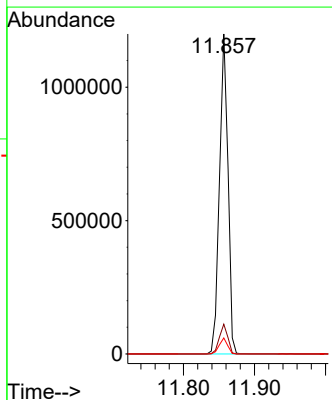
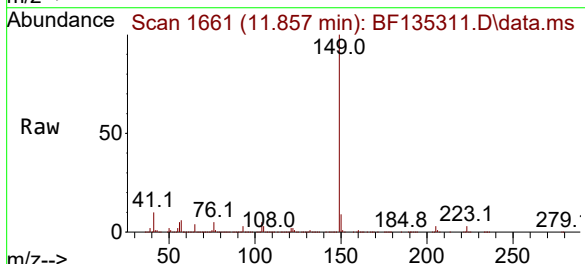


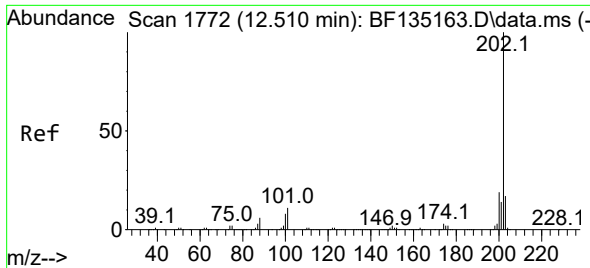
Tgt Ion:167 Resp: 829479  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.4 26.0  
 139 12.3 10.6 15.8



#74  
 Di-n-butylphthalate  
 Concen: 51.761 ng  
 RT: 11.857 min Scan# 1661  
 Delta R.T. -0.006 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

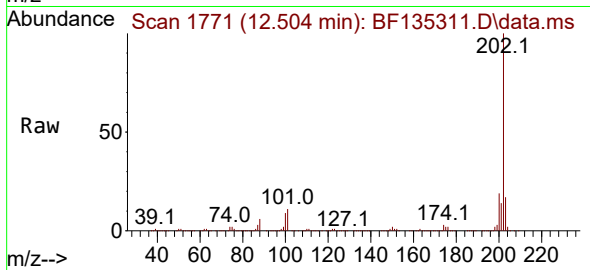
Tgt Ion:149 Resp: 985997  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 5.0 3.6 5.4



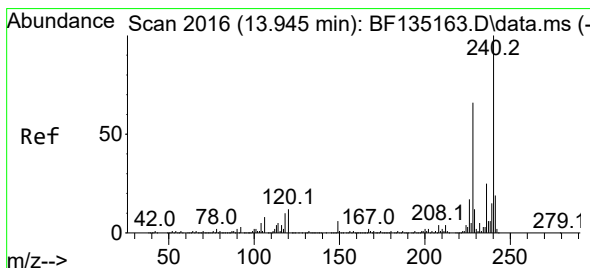
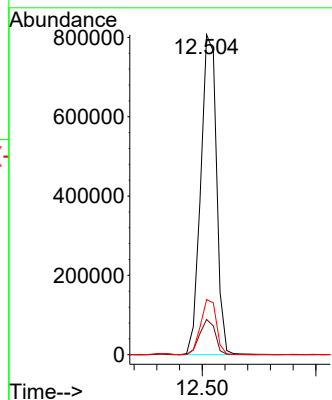
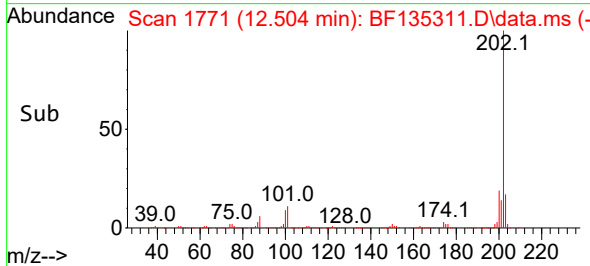


#75  
Fluoranthene  
Concen: 43.213 ng  
RT: 12.504 min Scan# 1771  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

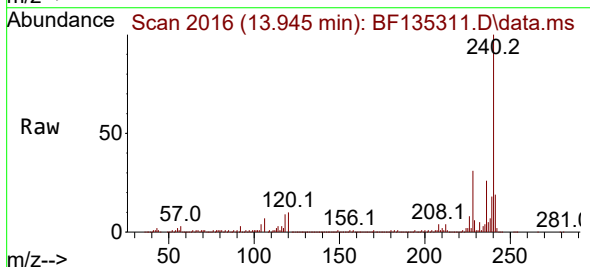
Instrument :  
BNA\_F  
ClientSampleId :



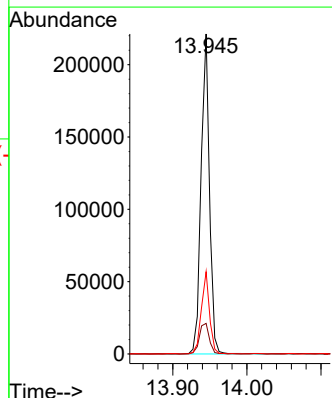
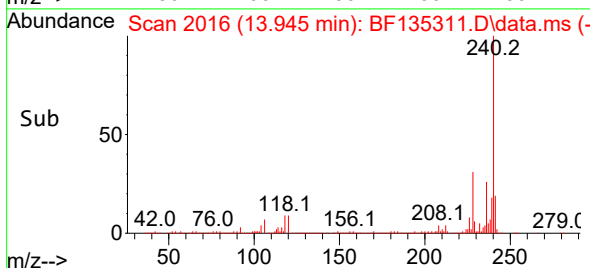
Tgt Ion:202 Resp: 777919  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 31.3  
203 17.3 0.0 37.4

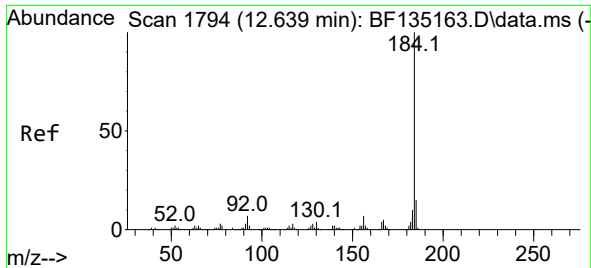


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



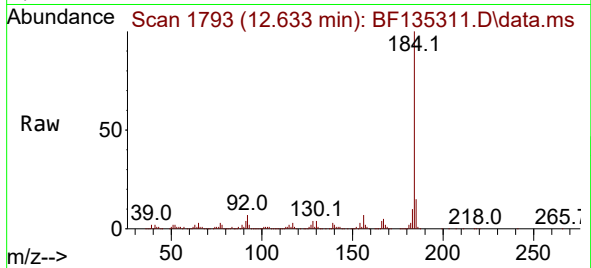
Tgt Ion:240 Resp: 173677  
Ion Ratio Lower Upper  
240 100  
120 9.6 9.4 14.2  
236 25.7 19.8 29.8



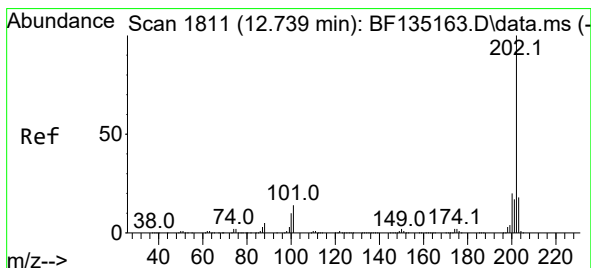
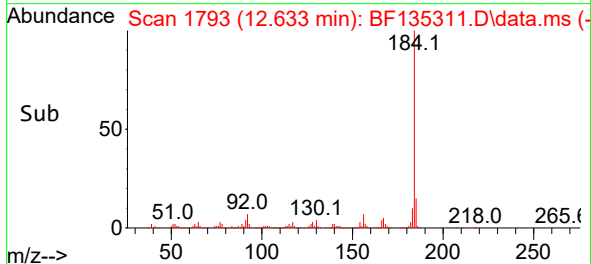
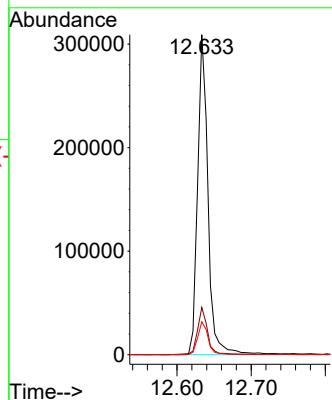


#77  
Benzidine  
Concen: 84.288 ng  
RT: 12.633 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Instrument :  
BNA\_F  
ClientSampleId :

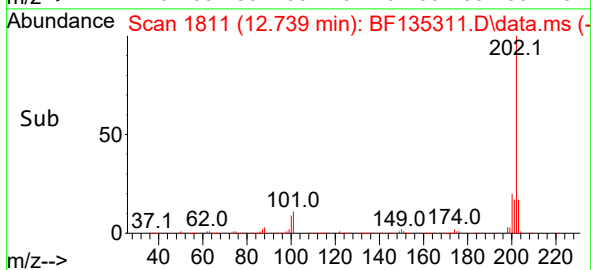
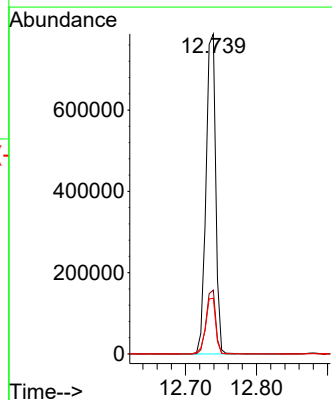
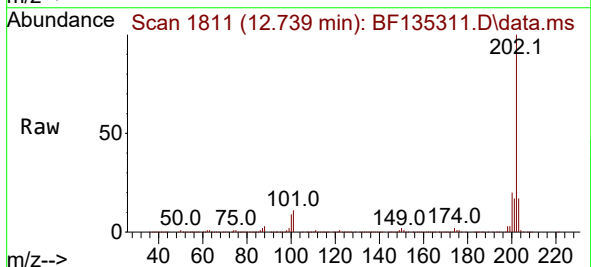


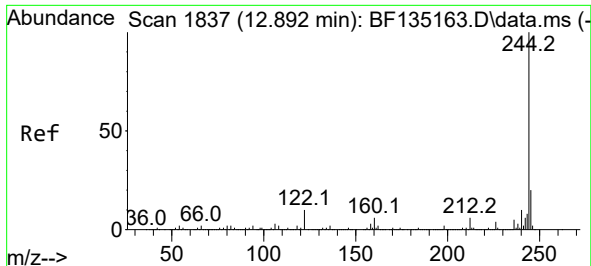
Tgt Ion:184 Resp: 299906  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.7 17.5  
183 10.3 8.2 12.4



#78  
Pyrene  
Concen: 45.266 ng  
RT: 12.739 min Scan# 1811  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

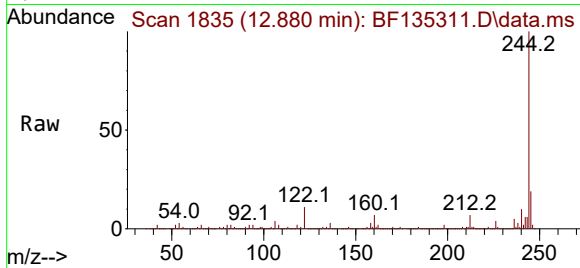
Tgt Ion:202 Resp: 748494  
Ion Ratio Lower Upper  
202 100  
200 20.0 16.2 24.2  
203 17.4 14.2 21.4



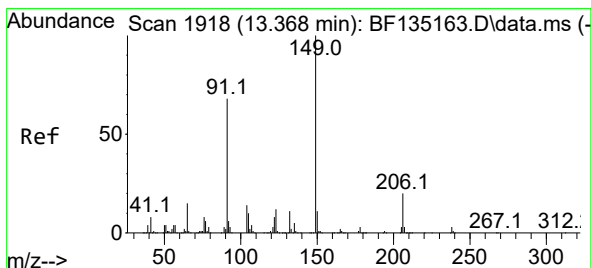
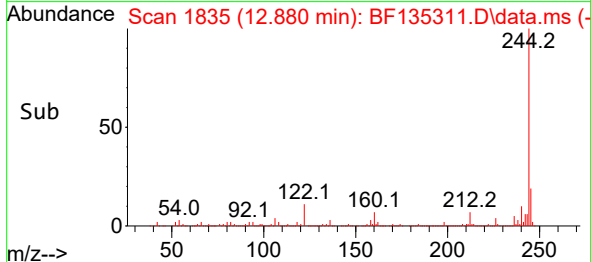
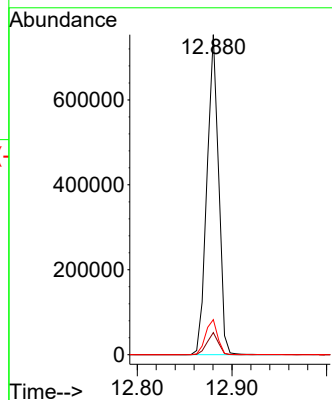


#79  
 Terphenyl-d14  
 Concen: 57.178 ng  
 RT: 12.880 min Scan# 1835  
 Delta R.T. -0.012 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

Instrument :  
 BNA\_F  
 ClientSampleId :

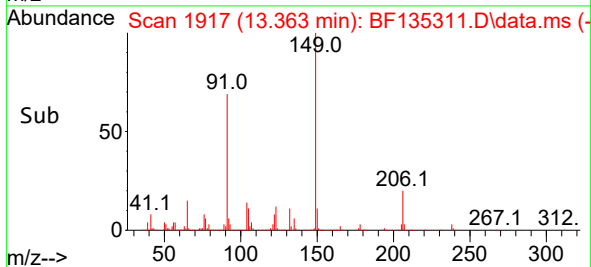
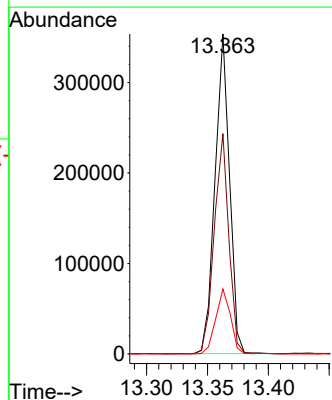
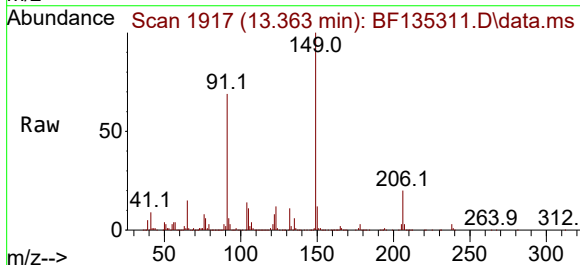


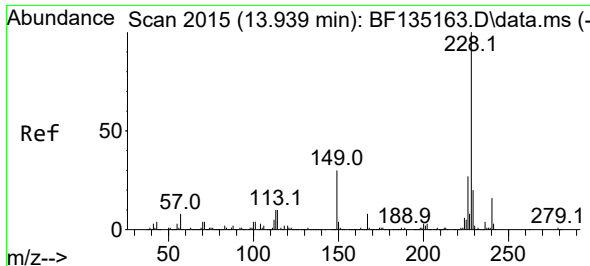
Tgt Ion:244 Resp: 640600  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.1 7.7  
 122 11.0 7.9 11.9



#80  
 Butylbenzylphthalate  
 Concen: 50.446 ng  
 RT: 13.363 min Scan# 1917  
 Delta R.T. -0.006 min  
 Lab File: BF135311.D  
 Acq: 18 Sep 2023 17:37

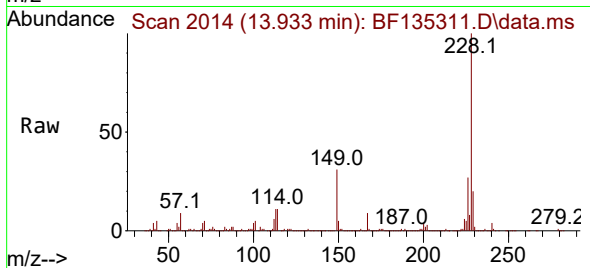
Tgt Ion:149 Resp: 293690  
 Ion Ratio Lower Upper  
 149 100  
 91 68.9 54.7 82.1  
 206 20.3 16.3 24.5



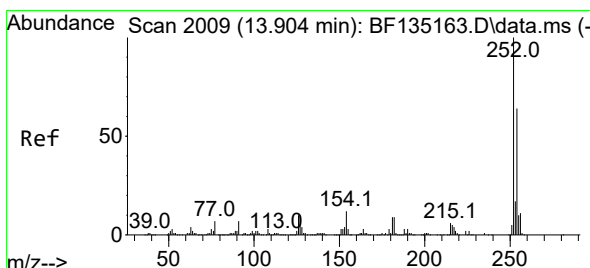
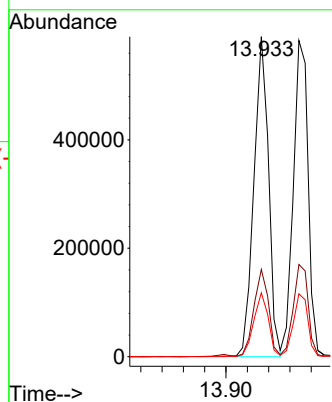
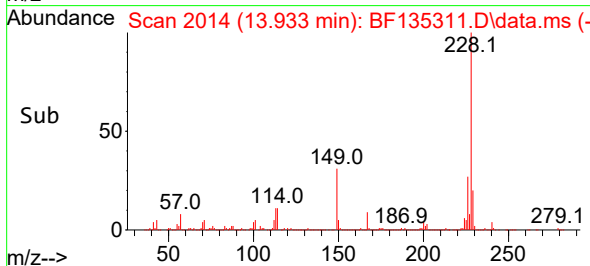


#81  
Benzo(a)anthracene  
Concen: 50.316 ng  
RT: 13.933 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

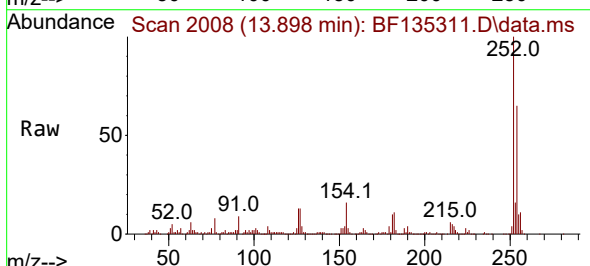
Instrument :  
BNA\_F  
ClientSampleId :



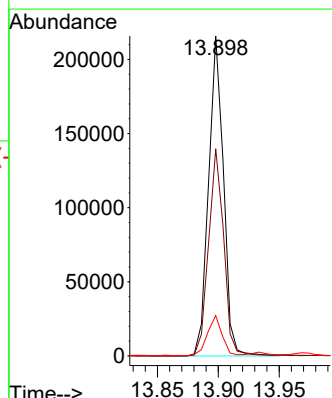
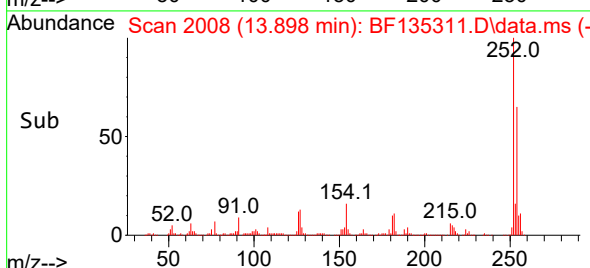
Tgt Ion:228 Resp: 564284  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.7 32.5  
229 19.9 15.8 23.8

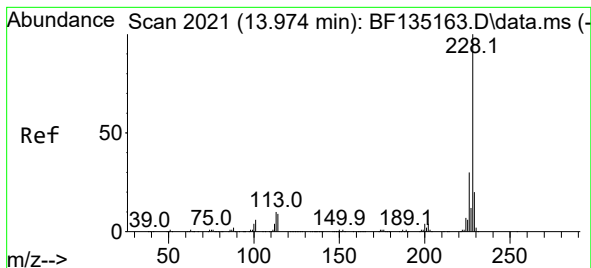


#82  
3,3'-Dichlorobenzidine  
Concen: 52.450 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37



Tgt Ion:252 Resp: 183731  
Ion Ratio Lower Upper  
252 100  
254 64.8 51.0 76.4  
126 12.6 7.8 11.8#





#83

Chrysene

Concen: 50.557 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

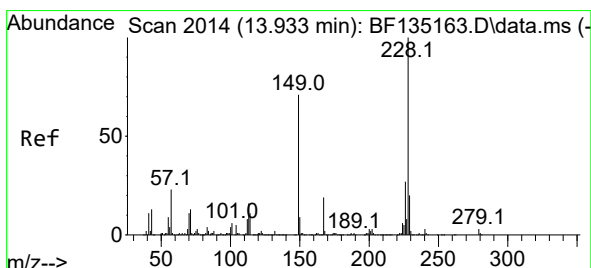
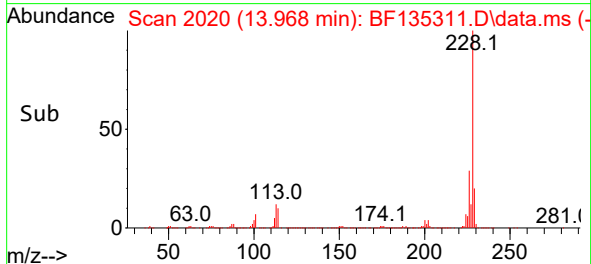
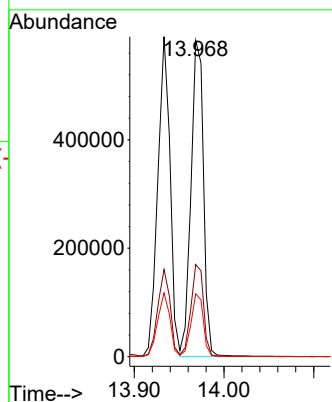
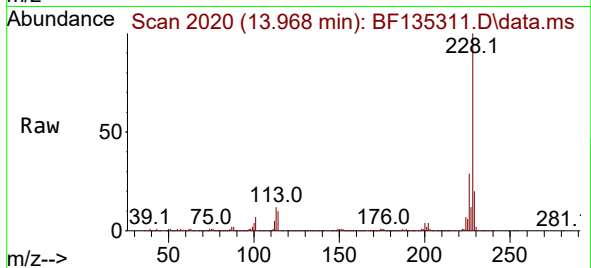
Tgt Ion:228 Resp: 563718

Ion Ratio Lower Upper

228 100

226 29.2 24.3 36.5

229 19.9 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.347 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

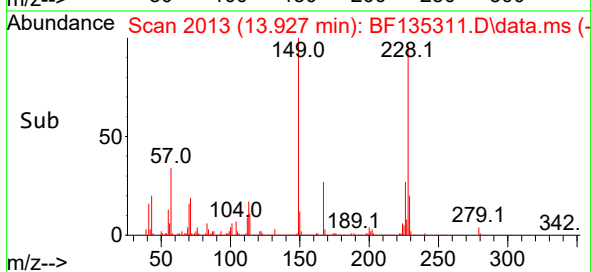
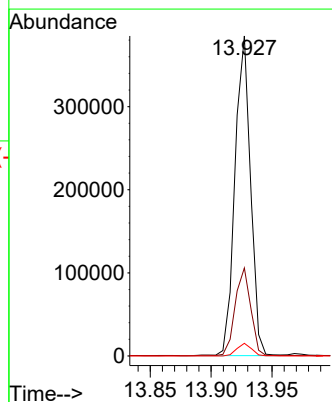
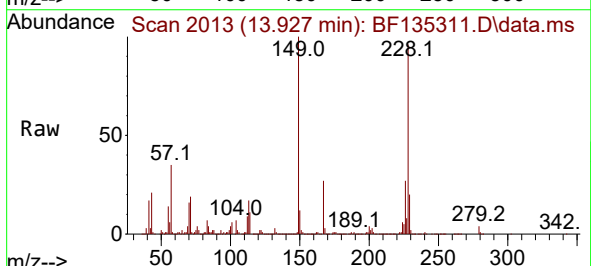
Tgt Ion:149 Resp: 342602

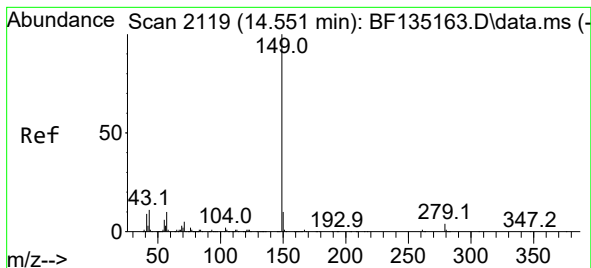
Ion Ratio Lower Upper

149 100

167 27.5 21.9 32.9

279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 67.172 ng

RT: 14.545 min Scan# 2118

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

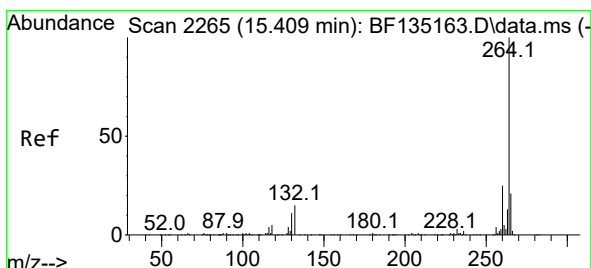
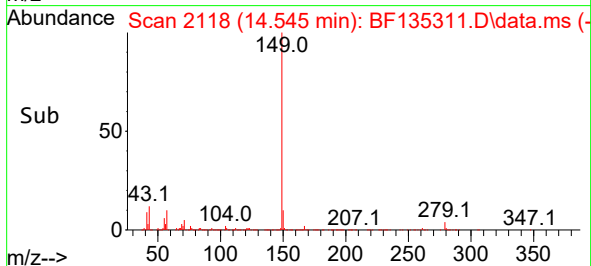
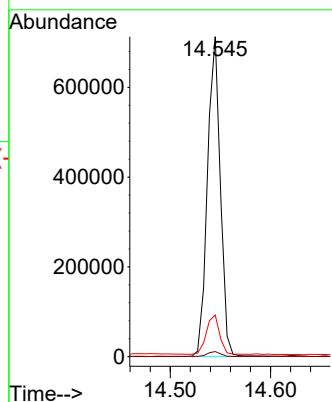
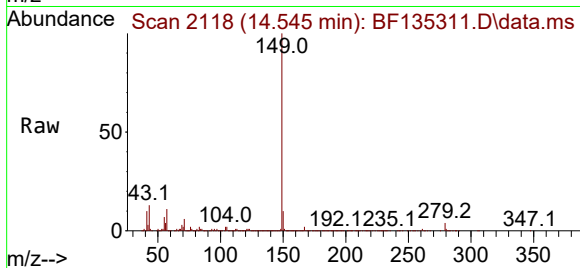
Tgt Ion:149 Resp: 637741

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 12.6 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

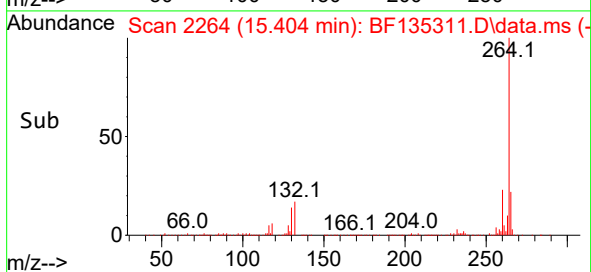
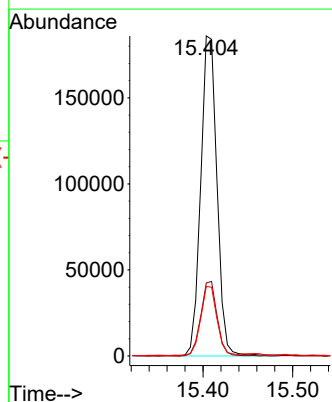
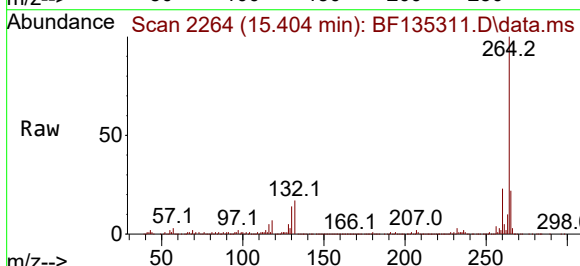
Tgt Ion:264 Resp: 234122

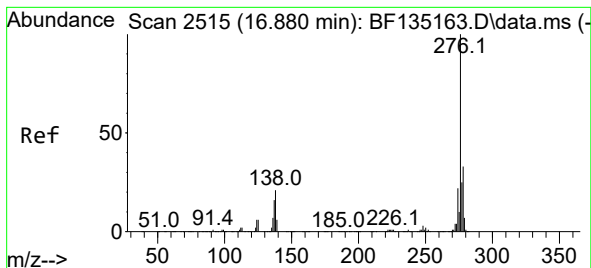
Ion Ratio Lower Upper

264 100

260 22.8 19.8 29.6

265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.648 ng

RT: 16.892 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

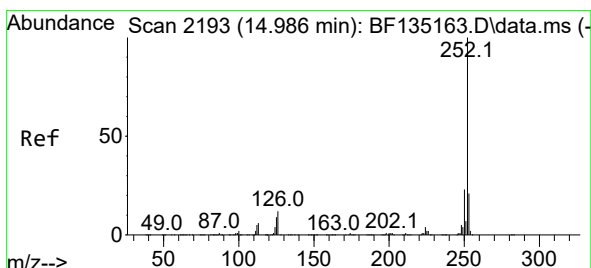
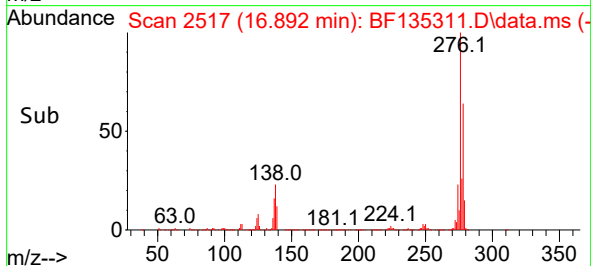
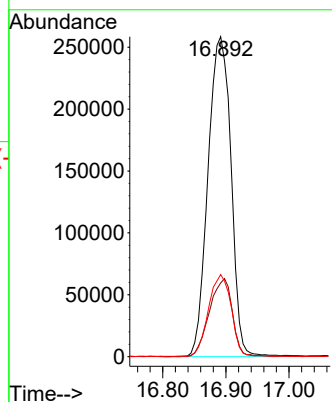
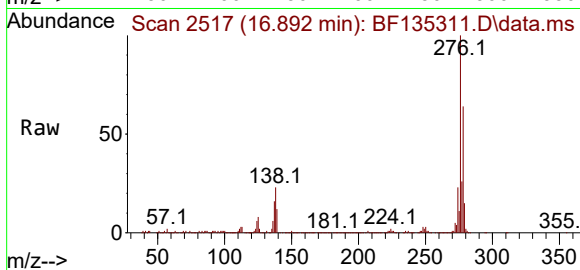
Tgt Ion:276 Resp: 654667

Ion Ratio Lower Upper

276 100

138 24.1 19.2 28.8

277 25.5 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 51.679 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

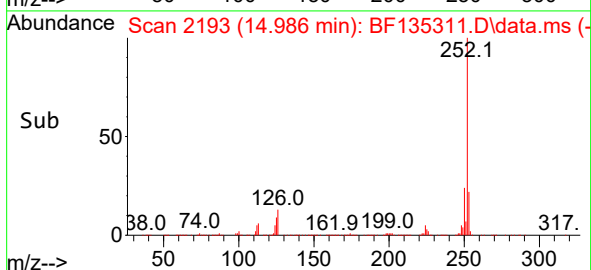
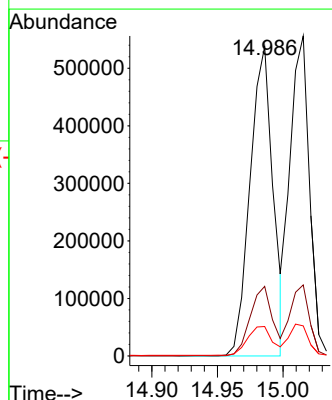
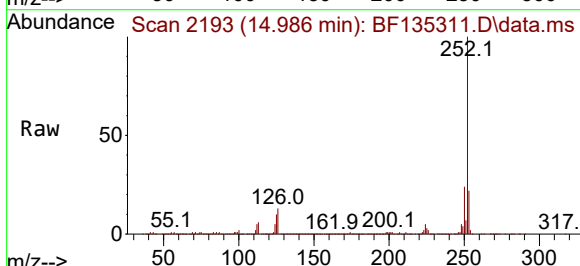
Tgt Ion:252 Resp: 654972

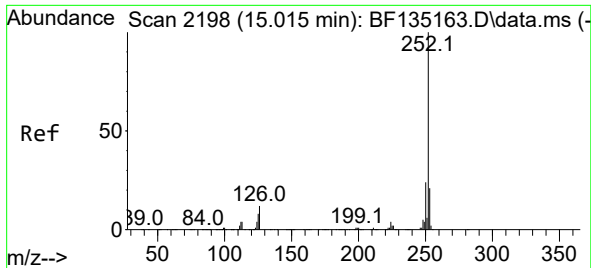
Ion Ratio Lower Upper

252 100

253 22.4 17.2 25.8

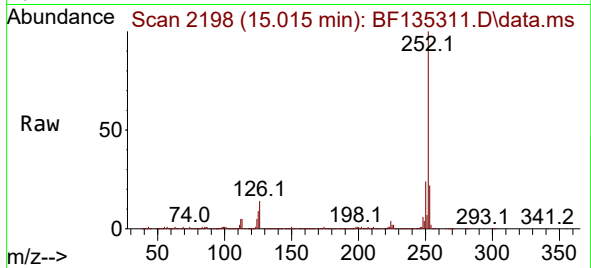
125 9.5 7.1 10.7



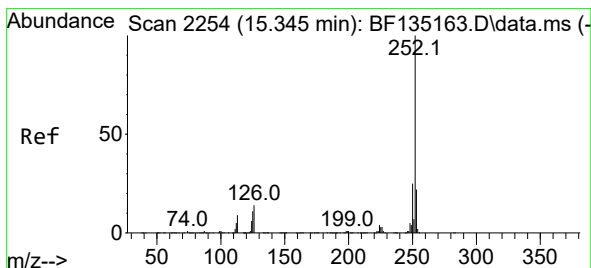
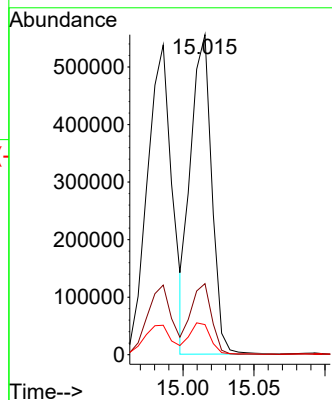
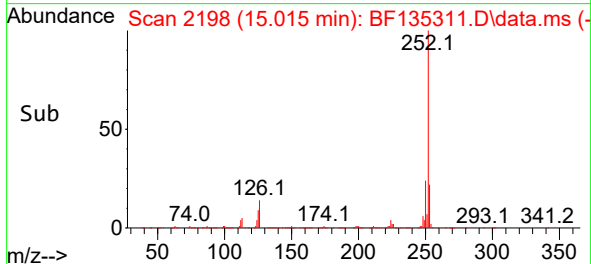


#89  
Benzo(k)fluoranthene  
Concen: 45.770 ng  
RT: 15.015 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Instrument :  
BNA\_F  
ClientSampleId :

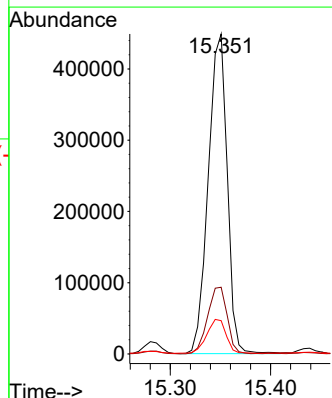
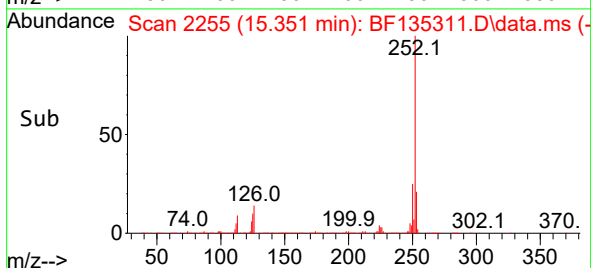
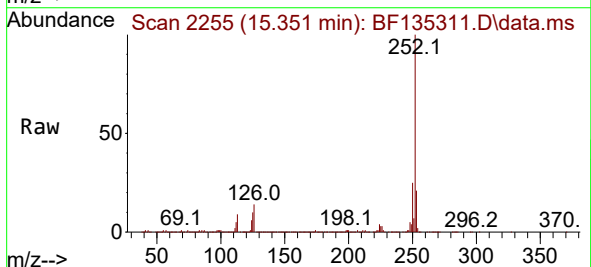


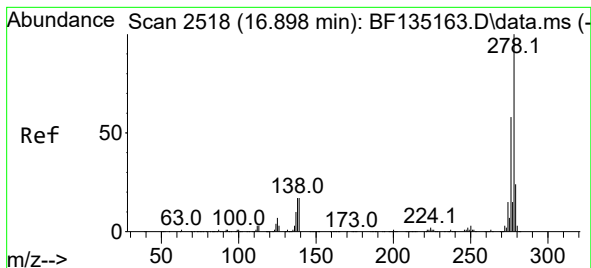
Tgt Ion:252 Resp: 573016  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.4 26.0  
125 9.4 7.2 10.8



#90  
Benzo(a)pyrene  
Concen: 48.855 ng  
RT: 15.351 min Scan# 2255  
Delta R.T. 0.006 min  
Lab File: BF135311.D  
Acq: 18 Sep 2023 17:37

Tgt Ion:252 Resp: 590471  
Ion Ratio Lower Upper  
252 100  
253 20.8 17.5 26.3  
125 10.4 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 42.753 ng

RT: 16.904 min Scan# 2519

Delta R.T. 0.006 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Instrument :

BNA\_F

ClientSampleId :

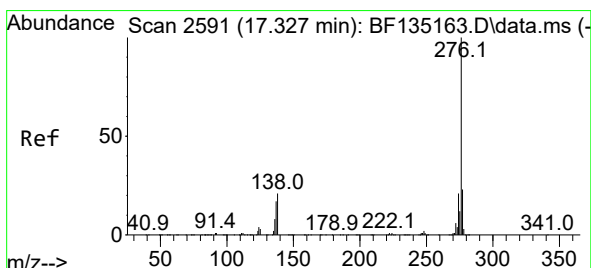
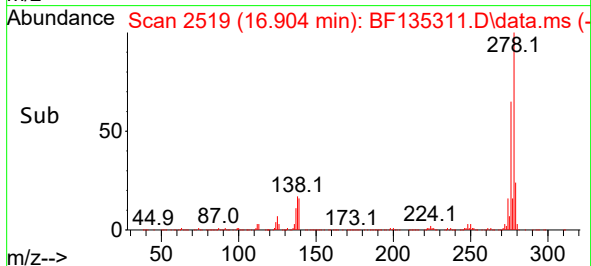
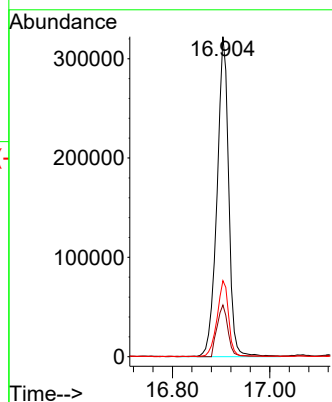
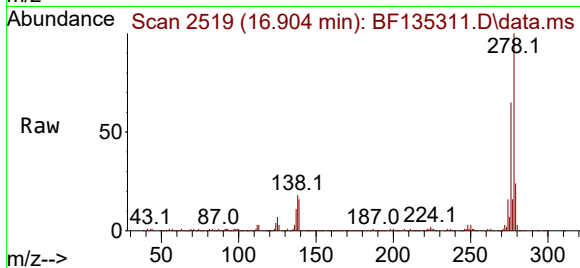
Tgt Ion:278 Resp: 536977

Ion Ratio Lower Upper

278 100

139 16.1 13.4 20.0

279 23.8 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 38.330 ng

RT: 17.339 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF135311.D

Acq: 18 Sep 2023 17:37

Tgt Ion:276 Resp: 502785

Ion Ratio Lower Upper

276 100

277 24.1 18.8 28.2

138 20.8 16.9 25.3

