

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF092623\  
 Data File : BF135446.D  
 Acq On : 26 Sep 2023 11:44  
 Operator : CG\JU  
 Sample : PB155707BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155707BS

Quant Time: Sep 27 02:08:59 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 26 01:36:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.757  | 152  | 179022   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.034  | 136  | 710493   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.792  | 164  | 346659   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.286 | 188  | 636366   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.945 | 240  | 320370   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.410 | 264  | 318112   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.399  | 112  | 1261544  | 114.614 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.410  | 99   | 1574769  | 112.516 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.322  | 82   | 1007541  | 77.044  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.592 | 330  | 340120   | 98.730  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.116  | 172  | 1638291  | 71.301  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.880 | 244  | 1522957  | 73.692  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.569  | 88   | 193734   | 40.150  | ng    | 92       |
| 3) Pyridine                   | 3.322  | 79   | 489976   | 37.730  | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.281  | 42   | 306779   | 44.516  | ng    | 92       |
| 6) Aniline                    | 6.422  | 93   | 505412   | 27.538  | ng    | # 20     |
| 8) 2-Chlorophenol             | 6.545  | 128  | 523168   | 44.525  | ng    | 97       |
| 9) Benzaldehyde               | 6.310  | 77   | 168252   | 21.102  | ng    | 97       |
| 10) Phenol                    | 6.422  | 94   | 594779   | 38.755  | ng    | 82       |
| 11) bis(2-Chloroethyl)ether   | 6.498  | 93   | 511180   | 44.404  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.693  | 146  | 499766   | 41.852  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.775  | 146  | 515320   | 42.416  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.922  | 146  | 482714   | 42.785  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.904  | 79   | 419564   | 41.775  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.034  | 45   | 927699   | 42.753  | ng    | 88       |
| 17) 2-Methylphenol            | 7.022  | 107  | 417399   | 40.255  | ng    | 94       |
| 18) Hexachloroethane          | 7.257  | 117  | 195970   | 43.655  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 7.175  | 70   | 330505   | 38.125  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.175  | 107  | 481741   | 38.638  | ng    | # 84     |
| 22) Acetophenone              | 7.169  | 105  | 646281   | 39.787  | ng    | 96       |
| 24) Nitrobenzene              | 7.340  | 77   | 536360   | 41.495  | ng    | 98       |
| 25) Isophorone                | 7.581  | 82   | 1002675  | 41.754  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.657  | 139  | 276599   | 44.586  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.698  | 122  | 437385   | 41.945  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 7.792  | 93   | 629101   | 43.770  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.904  | 162  | 403063   | 41.715  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.975  | 180  | 419811   | 41.568  | ng    | 99       |
| 31) Naphthalene               | 8.057  | 128  | 1420425  | 41.147  | ng    | 99       |
| 32) Benzoic acid              | 7.845  | 122  | 323002   | 41.136  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.110  | 127  | 401554   | 26.513  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.169  | 225  | 231932   | 38.086  | ng    | 99       |
| 35) Caprolactam               | 8.487  | 113  | 81547    | 25.147  | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 8.604  | 107  | 449517   | 41.858  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.751  | 142  | 882876   | 38.047  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.851  | 142  | 842830   | 38.795  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.916  | 216  | 409307   | 40.755  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.898  | 237  | 228629   | 54.280  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.034  | 196  | 274979   | 41.818  | ng    | 98       |

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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 26 01:36:36 2023  
 Response via : Initial Calibration

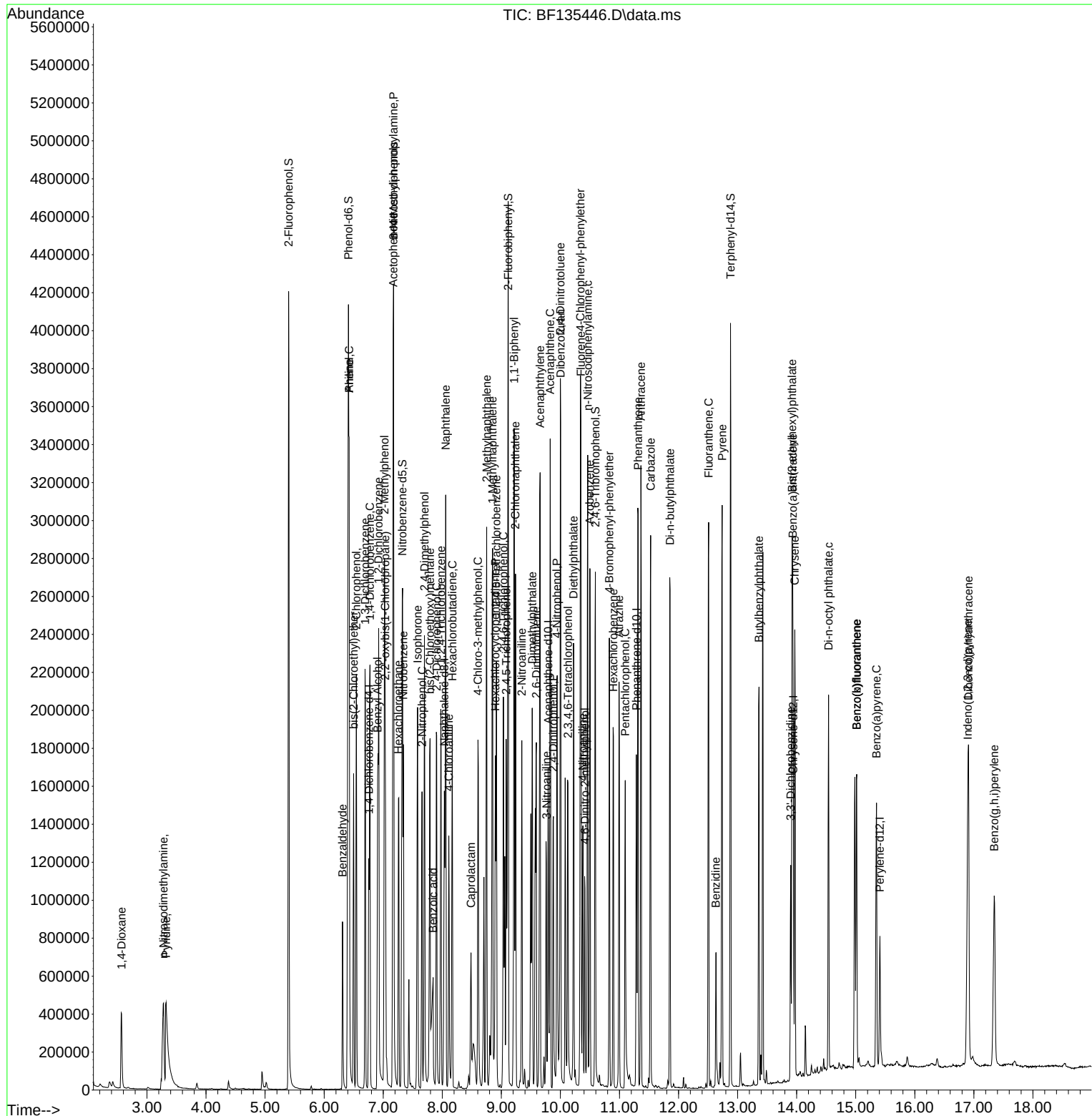
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.081  | 196  | 298015   | 39.355 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.216  | 154  | 1082440  | 40.632 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.239  | 162  | 816593   | 42.247 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.345  | 65   | 327512   | 43.614 | ng    | 98       |
| 49) Acenaphthylene            | 9.657  | 152  | 1302038  | 40.532 | ng    | 100      |
| 50) Dimethylphthalate         | 9.522  | 163  | 956850   | 40.825 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.592  | 165  | 215309   | 41.934 | ng    | 85       |
| 52) Acenaphthene              | 9.828  | 154  | 778079   | 41.002 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.763  | 138  | 201085   | 33.364 | ng    | 89       |
| 54) 2,4-Dinitrophenol         | 9.881  | 184  | 207769   | 71.962 | ng    | 92       |
| 55) Dibenzofuran              | 10.004 | 168  | 1095478  | 37.830 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.939  | 139  | 290833   | 75.927 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 9.998  | 165  | 243860   | 37.938 | ng    | # 82     |
| 58) Fluorene                  | 10.345 | 166  | 873728   | 39.247 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.128 | 232  | 242868   | 41.693 | ng    | 99       |
| 60) Diethylphthalate          | 10.222 | 149  | 928263   | 39.464 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.339 | 204  | 394968   | 36.934 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.381 | 138  | 249571   | 43.079 | ng    | 96       |
| 63) Azobenzene                | 10.498 | 77   | 968629   | 42.077 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.416 | 198  | 143771   | 42.537 | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 10.463 | 169  | 804579   | 41.762 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.828 | 248  | 255897   | 40.432 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.898 | 284  | 271540   | 42.113 | ng    | 96       |
| 69) Atrazine                  | 10.992 | 200  | 243091   | 46.894 | ng    | 98       |
| 70) Pentachlorophenol         | 11.098 | 266  | 223745   | 57.998 | ng    | 98       |
| 71) Phenanthrene              | 11.316 | 178  | 1252281  | 41.608 | ng    | 100      |
| 72) Anthracene                | 11.363 | 178  | 1289179  | 41.671 | ng    | 99       |
| 73) Carbazole                 | 11.528 | 167  | 1238399  | 43.973 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.857 | 149  | 1419513  | 42.775 | ng    | 99       |
| 75) Fluoranthene              | 12.510 | 202  | 1292419  | 41.211 | ng    | 99       |
| 77) Benzidine                 | 12.633 | 184  | 304020   | 46.321 | ng    | 100      |
| 78) Pyrene                    | 12.739 | 202  | 1320136  | 43.281 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.363 | 149  | 509174   | 47.413 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.933 | 228  | 879700   | 42.524 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.898 | 252  | 239543   | 37.071 | ng    | # 99     |
| 83) Chrysene                  | 13.969 | 228  | 854833   | 41.562 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.921 | 149  | 578765   | 52.518 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.539 | 149  | 868711   | 49.603 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.898 | 276  | 951261   | 45.608 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 696432   | 40.442 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.016 | 252  | 696432   | 40.940 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.351 | 252  | 686075   | 41.778 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.910 | 278  | 757705   | 44.399 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.345 | 276  | 807063   | 45.282 | ng    | 97       |

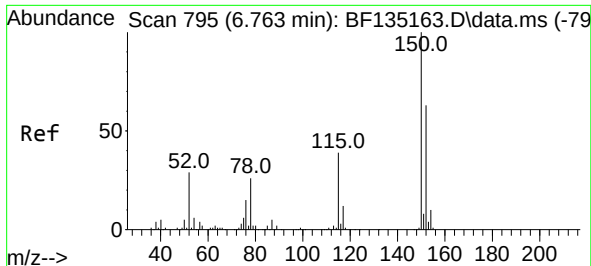
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QLast Update : Tue Sep 26 01:36:36 2023  
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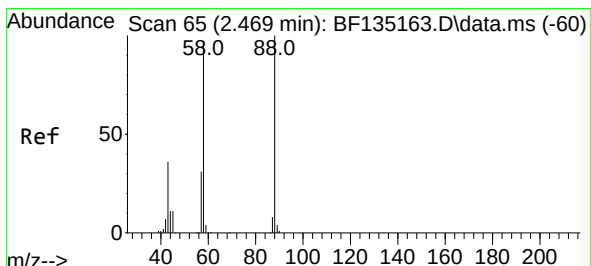
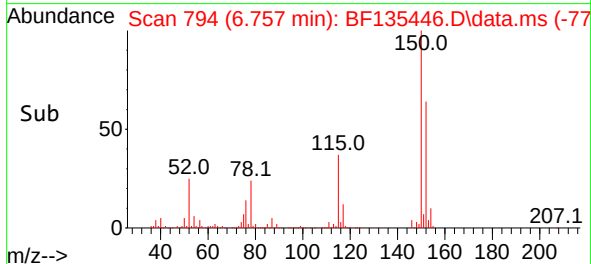
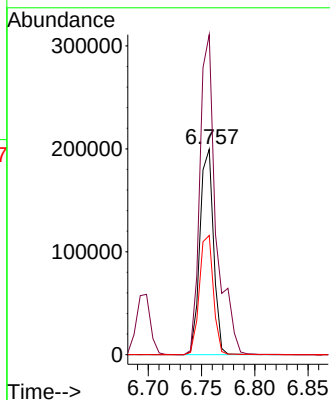
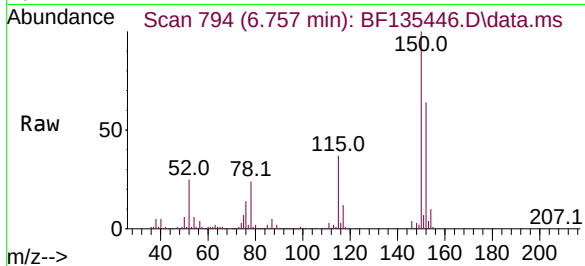




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.757 min Scan# 79  
 Delta R.T. 0.006 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

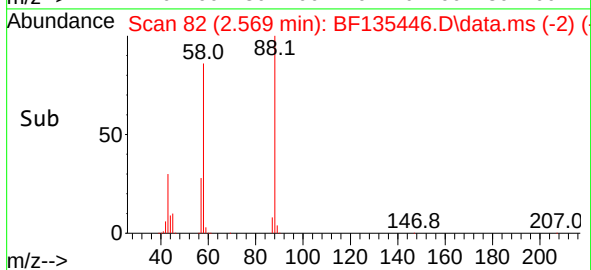
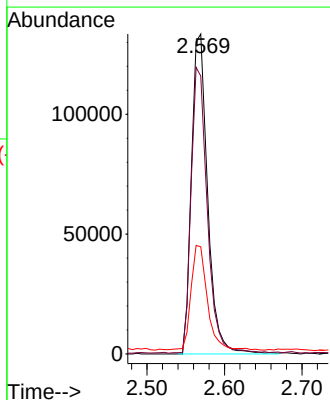
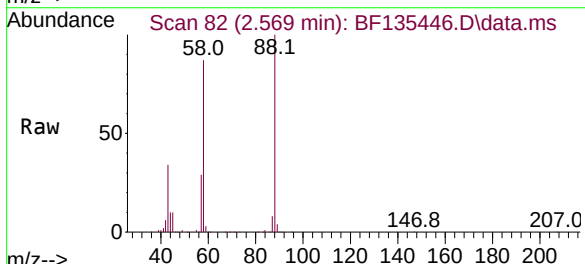
Instrument :  
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 ClientSampleId :  
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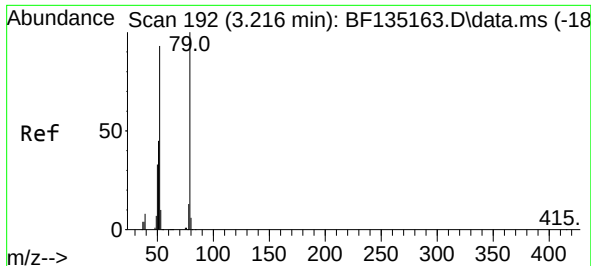
Tgt Ion:152 Resp: 179022  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 127.8 191.6  
 115 58.0 49.8 74.8



#2  
 1,4-Dioxane  
 Concen: 40.150 ng  
 RT: 2.569 min Scan# 82  
 Delta R.T. 0.118 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

Tgt Ion: 88 Resp: 193734  
 Ion Ratio Lower Upper  
 88 100  
 58 89.1 78.3 117.5  
 43 33.3 29.4 44.0

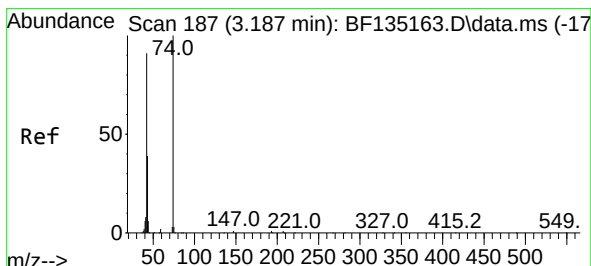
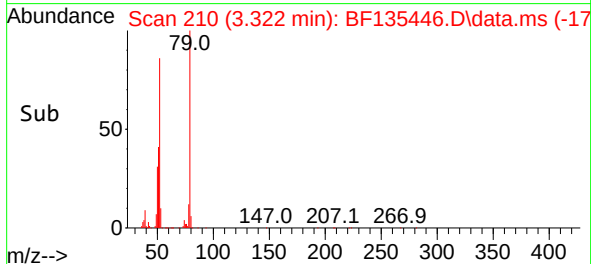
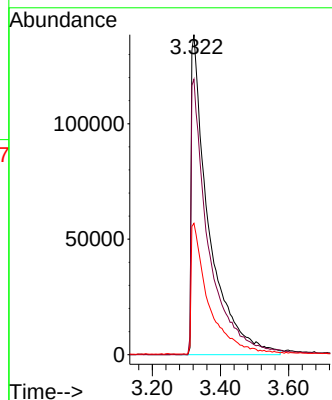
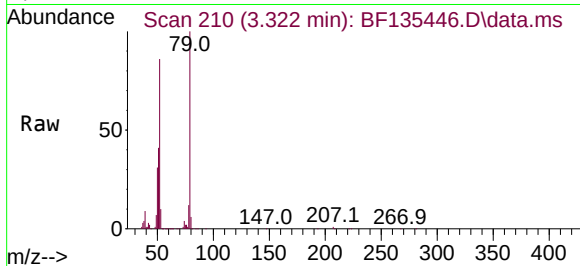




#3  
 Pyridine  
 Concen: 37.730 ng  
 RT: 3.322 min Scan# 21  
 Delta R.T. 0.124 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

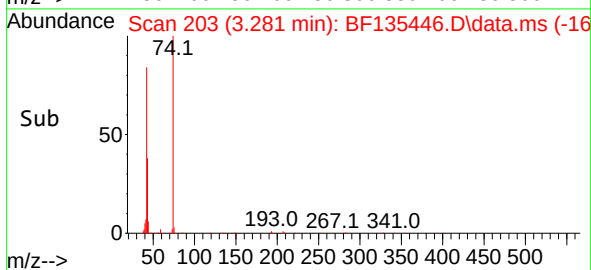
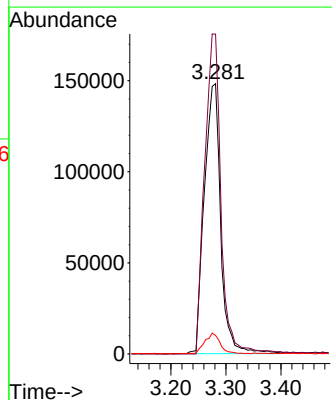
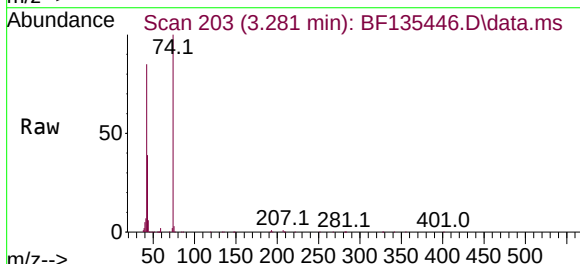
Instrument :  
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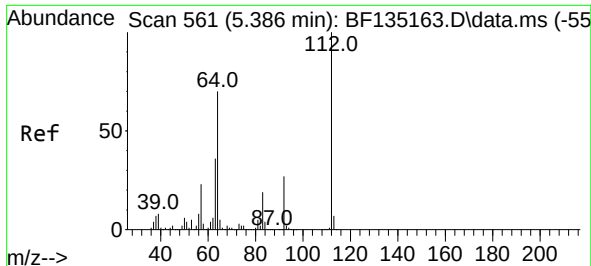
Tgt Ion: 79 Resp: 489976  
 Ion Ratio Lower Upper  
 79 100  
 52 86.1 74.1 111.1  
 51 41.1 35.8 53.8



#4  
 n-Nitrosodimethylamine  
 Concen: 44.516 ng  
 RT: 3.281 min Scan# 203  
 Delta R.T. 0.112 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

Tgt Ion: 42 Resp: 306779  
 Ion Ratio Lower Upper  
 42 100  
 74 118.3 87.7 131.5  
 44 6.8 5.6 8.4

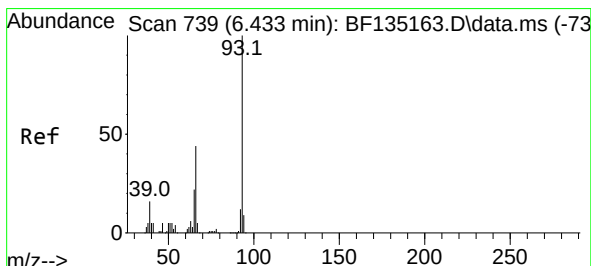
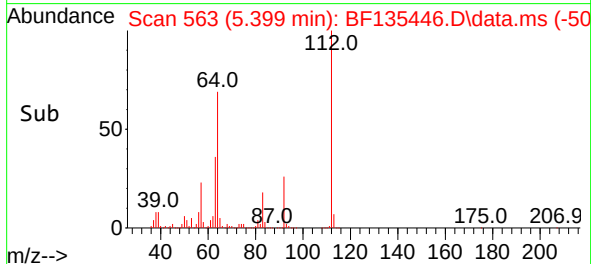
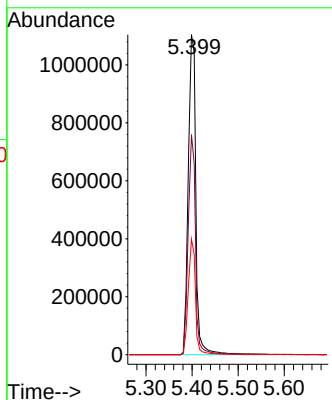
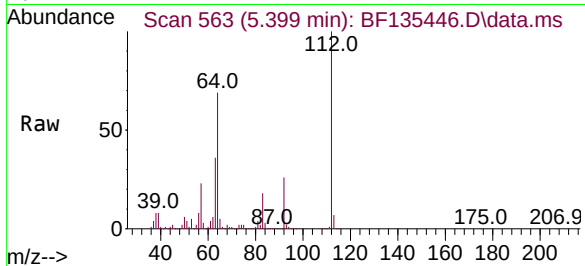




#5  
2-Fluorophenol  
Concen: 114.614 ng  
RT: 5.399 min Scan# 50  
Delta R.T. 0.018 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

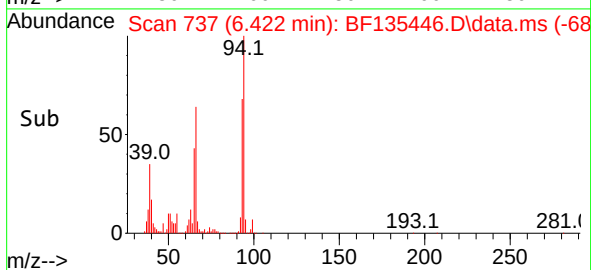
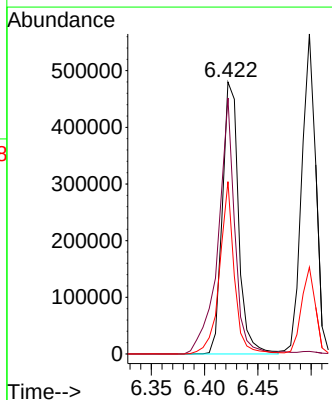
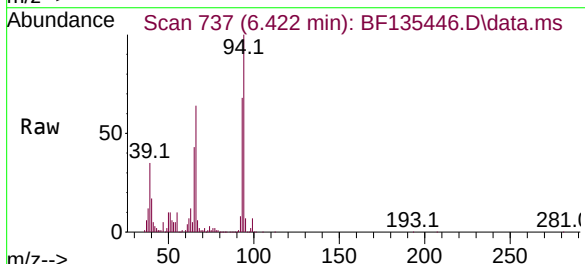
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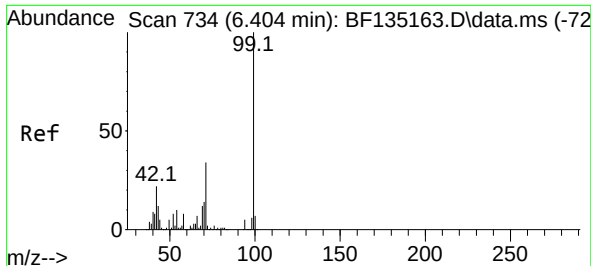
Tgt Ion:112 Resp: 1261544  
Ion Ratio Lower Upper  
112 100  
64 68.8 55.9 83.9  
63 36.1 29.0 43.6



#6  
Aniline  
Concen: 27.538 ng  
RT: 6.422 min Scan# 737  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion: 93 Resp: 505412  
Ion Ratio Lower Upper  
93 100  
66 94.2 35.4 53.0#  
65 63.4 17.8 26.8#

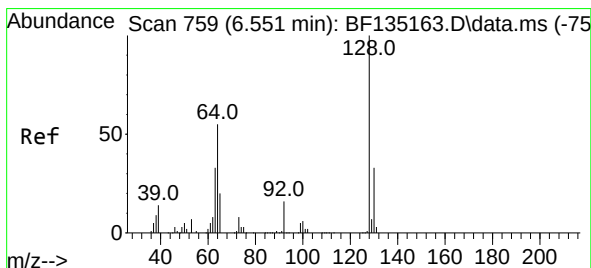
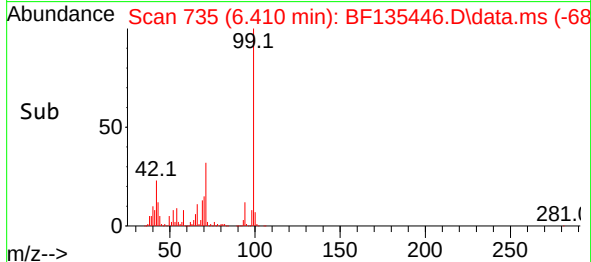
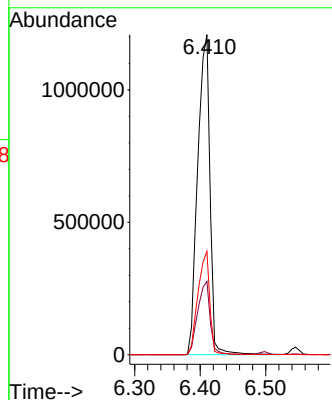
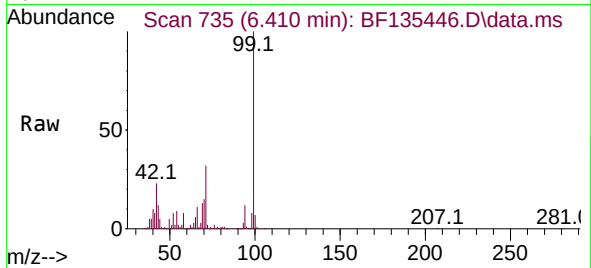




#7  
Phenol-d6  
Concen: 112.516 ng  
RT: 6.410 min Scan# 71  
Delta R.T. 0.006 min  
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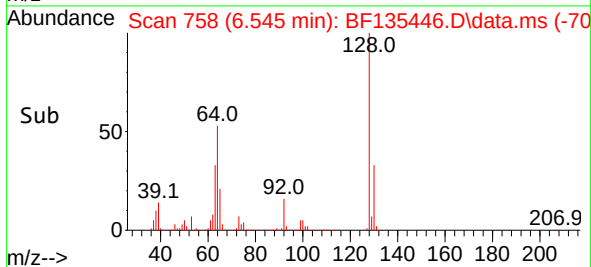
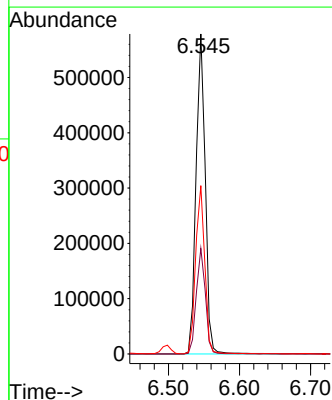
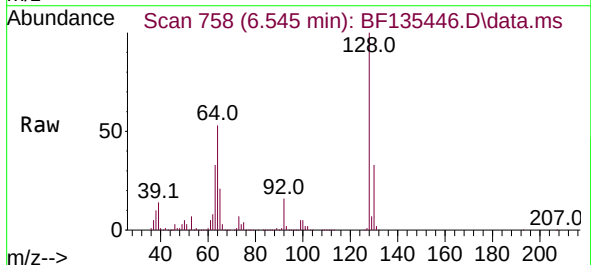
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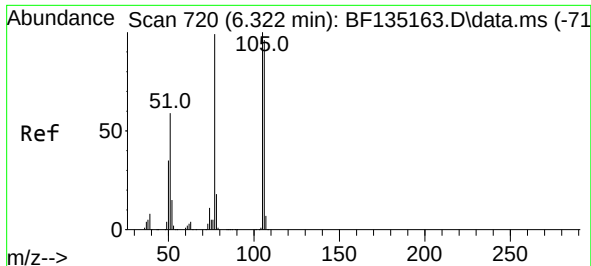
Tgt Ion: 99 Resp: 1574769  
Ion Ratio Lower Upper  
99 100  
42 22.9 17.9 26.9  
71 32.3 27.0 40.6



#8  
2-Chlorophenol  
Concen: 44.525 ng  
RT: 6.545 min Scan# 758  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
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Tgt Ion:128 Resp: 523168  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.7 52.7  
64 52.6 35.9 75.9





#9

Benzaldehyde

Concen: 21.102 ng

RT: 6.310 min Scan# 718

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

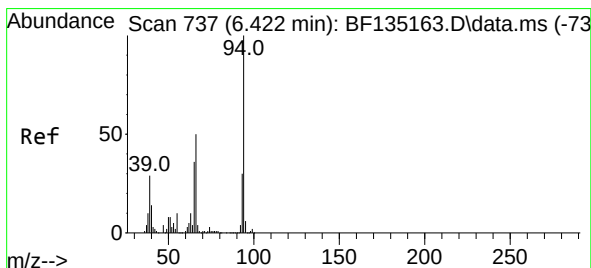
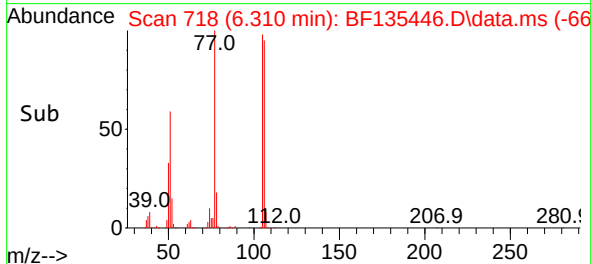
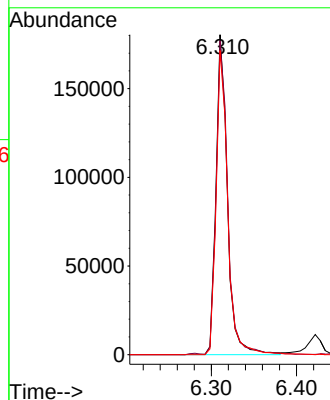
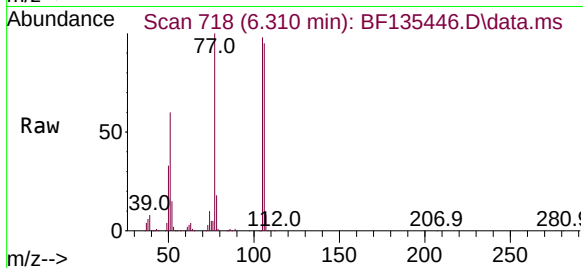
Tgt Ion: 77 Resp: 168252

Ion Ratio Lower Upper

77 100

105 98.1 81.4 121.4

106 95.1 76.9 116.9



#10

Phenol

Concen: 38.755 ng

RT: 6.422 min Scan# 737

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

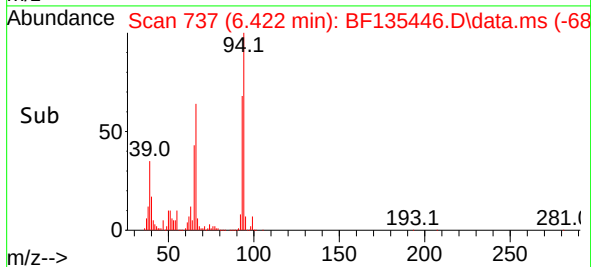
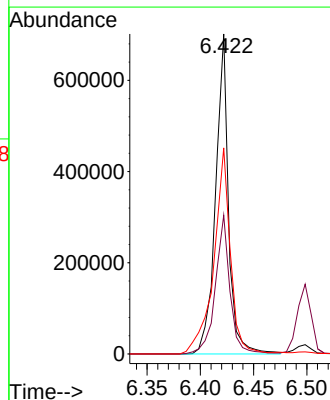
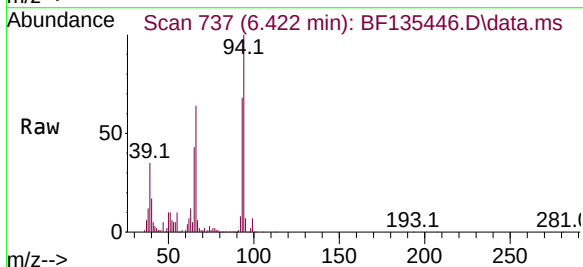
Tgt Ion: 94 Resp: 594779

Ion Ratio Lower Upper

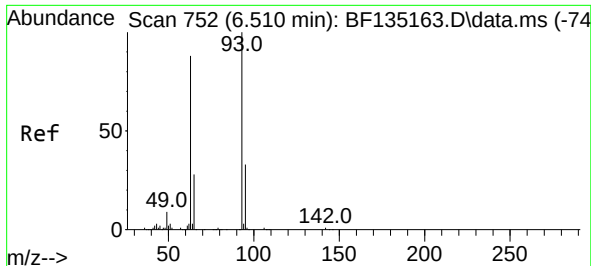
94 100

65 43.3 15.9 55.9

66 64.4 29.8 69.8







#11

bis(2-Chloroethyl)ether

Concen: 44.404 ng

RT: 6.498 min Scan# 750

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

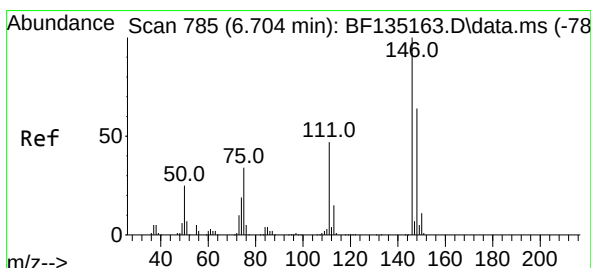
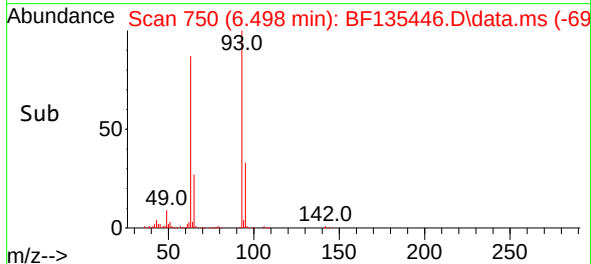
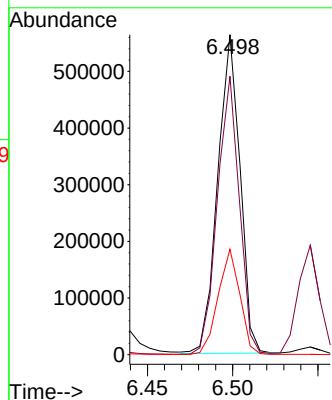
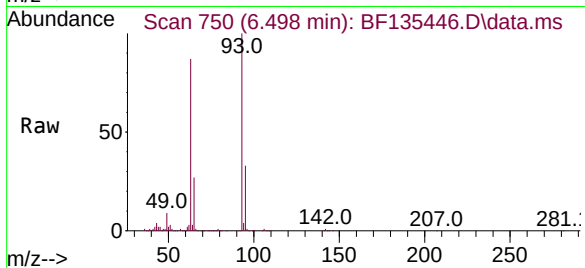
Tgt Ion: 93 Resp: 511180

Ion Ratio Lower Upper

93 100

63 87.0 67.3 107.3

95 32.9 12.7 52.7



#12

1,3-Dichlorobenzene

Concen: 41.852 ng

RT: 6.693 min Scan# 783

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

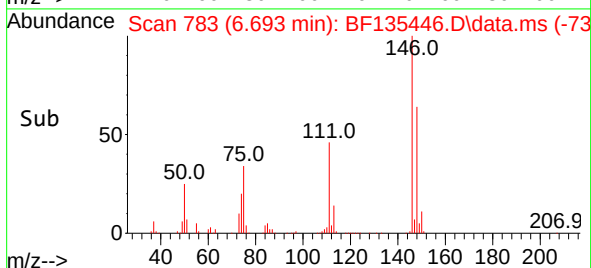
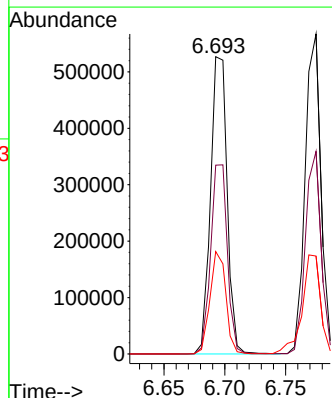
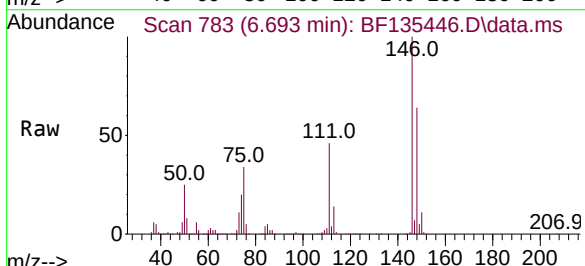
Tgt Ion:146 Resp: 499766

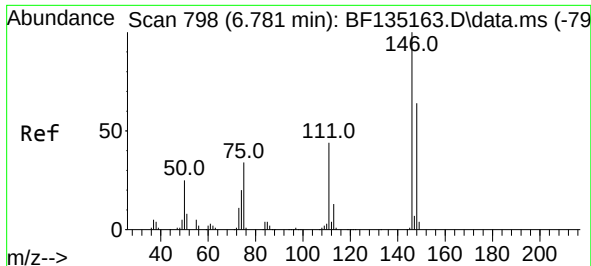
Ion Ratio Lower Upper

146 100

148 63.5 51.3 76.9

75 34.5 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.416 ng

RT: 6.775 min Scan# 79

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

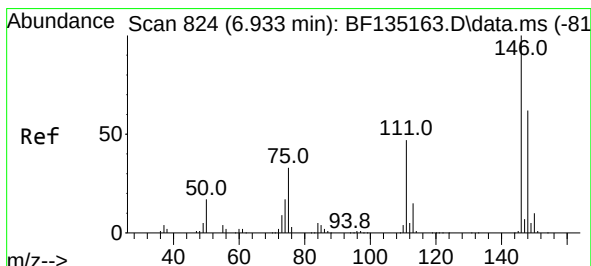
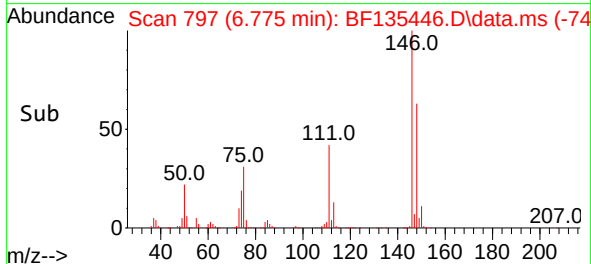
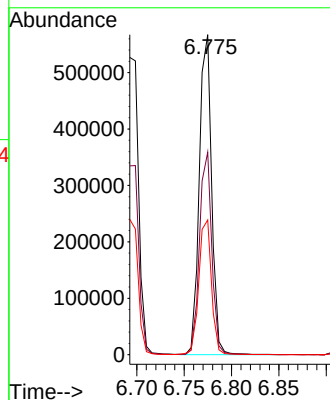
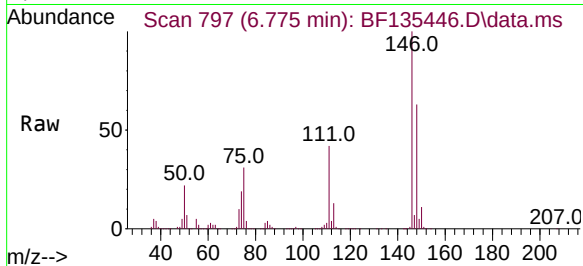
Tgt Ion:146 Resp: 515320

Ion Ratio Lower Upper

146 100

148 63.3 51.3 76.9

111 42.1 35.1 52.7



#14

1,2-Dichlorobenzene

Concen: 42.785 ng

RT: 6.922 min Scan# 822

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

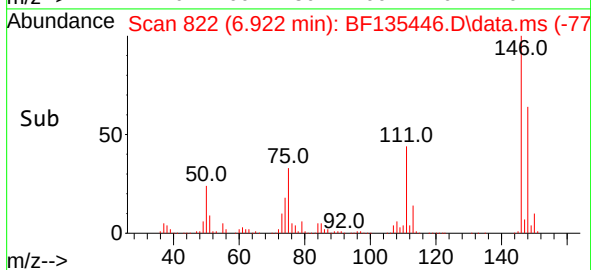
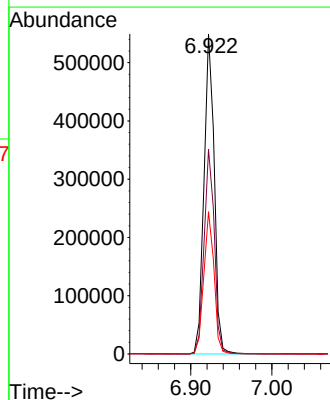
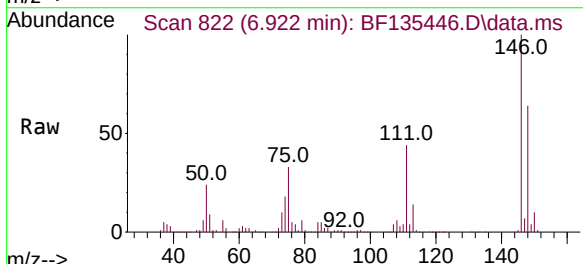
Tgt Ion:146 Resp: 482714

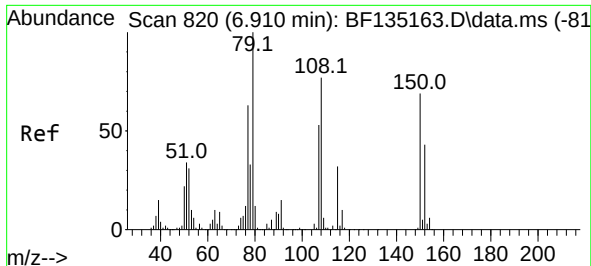
Ion Ratio Lower Upper

146 100

148 63.9 49.7 74.5

111 44.5 37.4 56.2

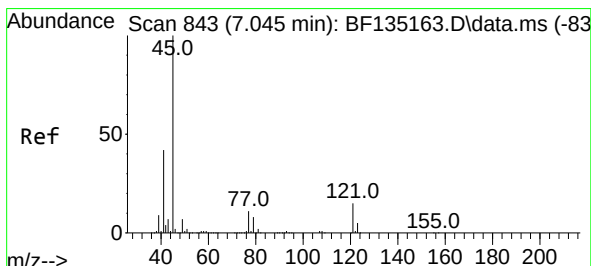
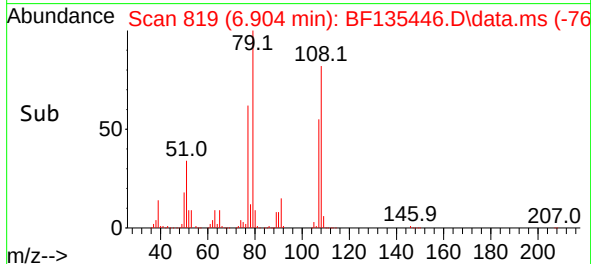
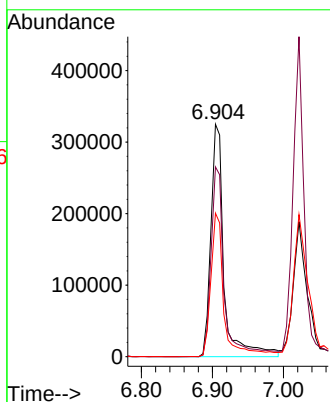
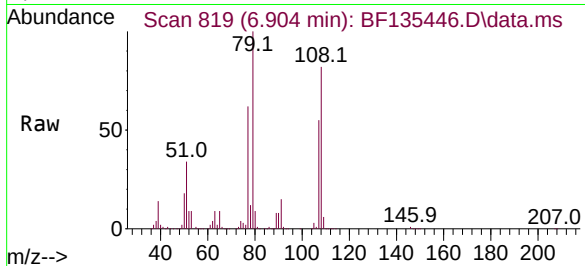




#15  
Benzyl Alcohol  
Concen: 41.775 ng  
RT: 6.904 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

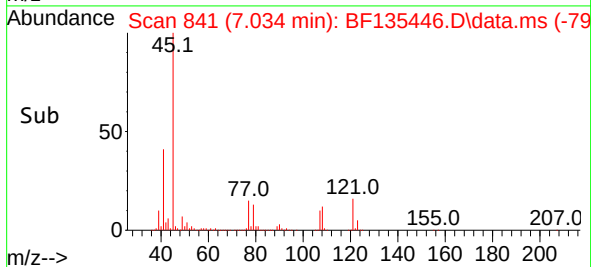
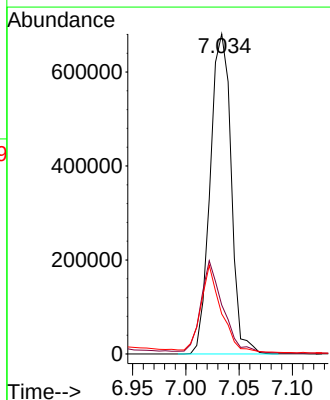
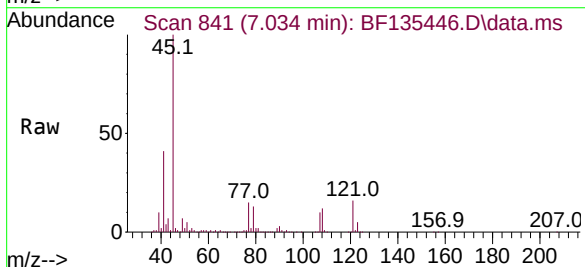
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

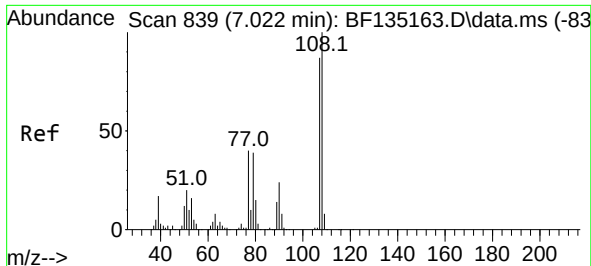
Tgt Ion: 79 Resp: 419564  
Ion Ratio Lower Upper  
79 100  
108 81.6 61.2 91.8  
77 61.8 50.5 75.7



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.753 ng  
RT: 7.034 min Scan# 841  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion: 45 Resp: 927699  
Ion Ratio Lower Upper  
45 100  
77 15.3 0.0 30.6  
79 12.5 0.0 28.3

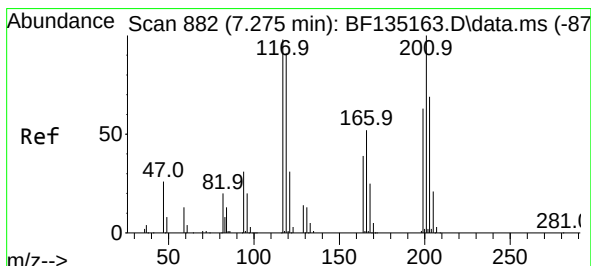
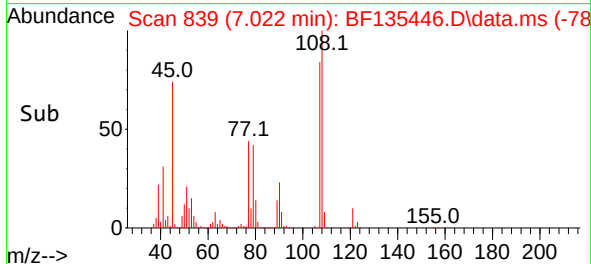
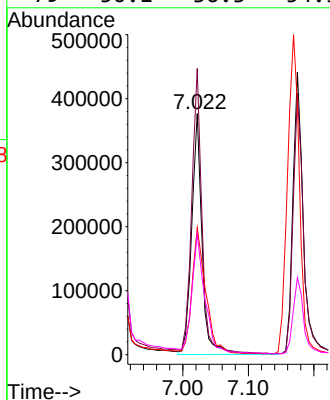
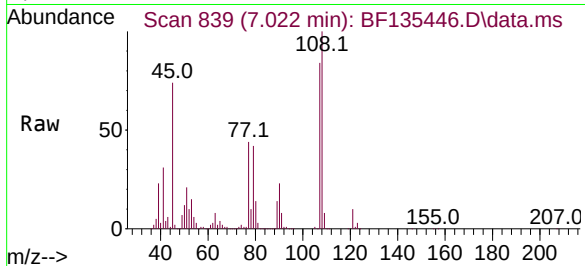




#17  
2-Methylphenol  
Concen: 40.255 ng  
RT: 7.022 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

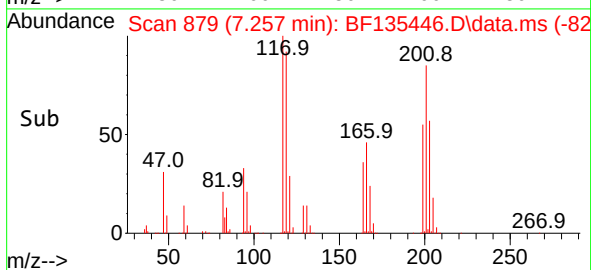
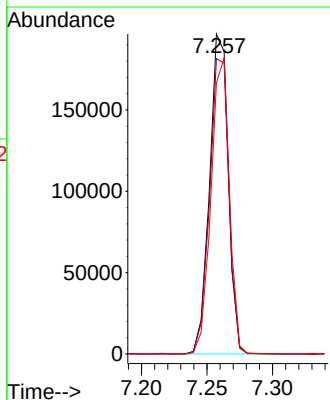
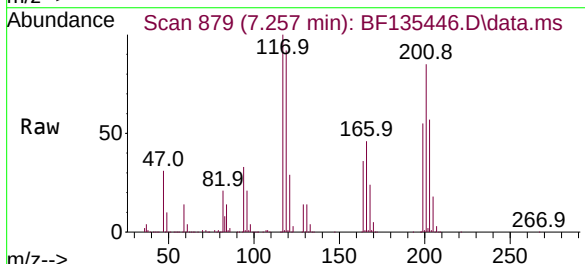
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

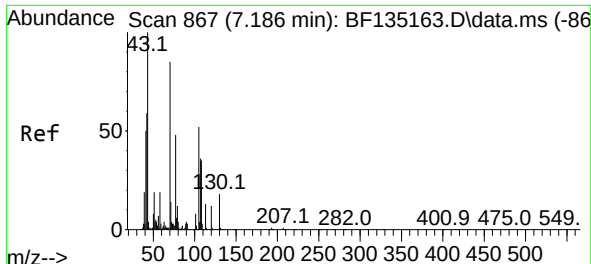
Tgt Ion:107 Resp: 417399  
Ion Ratio Lower Upper  
107 100  
108 118.7 92.0 138.0  
77 52.7 36.7 55.1  
79 50.1 36.3 54.5



#18  
Hexachloroethane  
Concen: 43.655 ng  
RT: 7.257 min Scan# 879  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:117 Resp: 195970  
Ion Ratio Lower Upper  
117 100  
119 92.3 74.7 112.1  
201 84.7 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 38.125 ng

RT: 7.175 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

Tgt Ion: 70 Resp: 330505

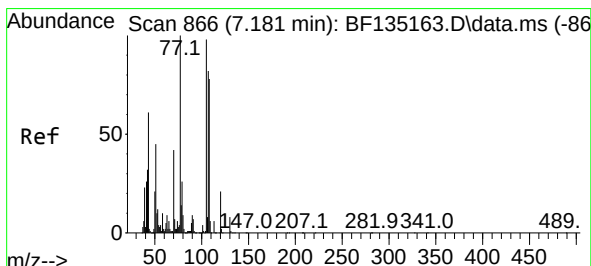
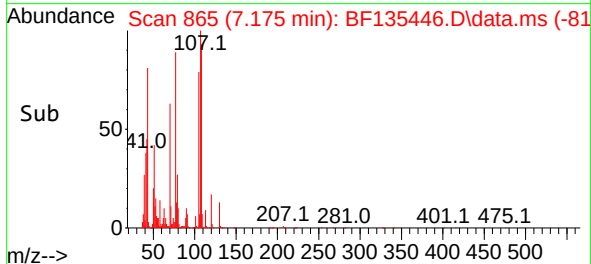
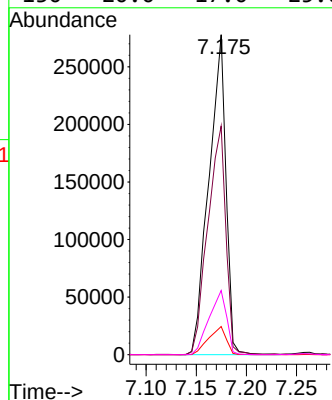
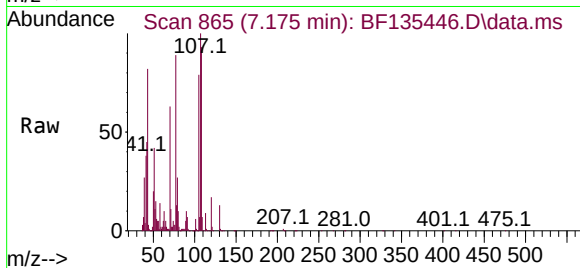
Ion Ratio Lower Upper

70 100

42 71.5 55.4 83.0

101 8.8 7.7 11.5

130 20.0 17.0 25.6



#20

3+4-Methylphenols

Concen: 38.638 ng

RT: 7.175 min Scan# 865

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Tgt Ion: 107 Resp: 481741

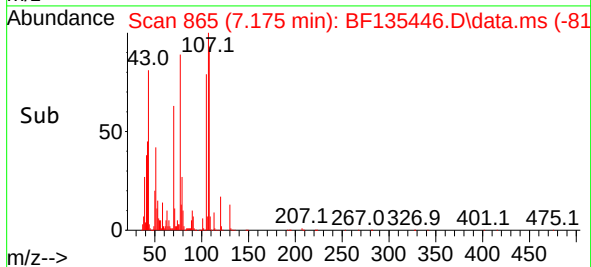
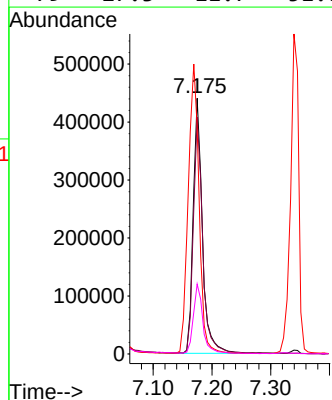
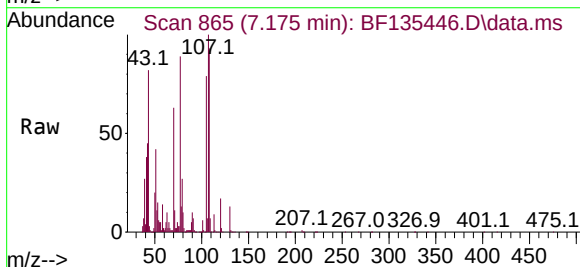
Ion Ratio Lower Upper

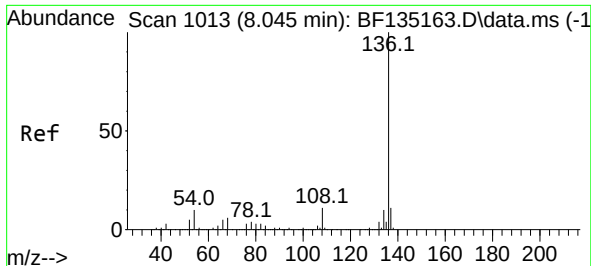
107 100

108 92.6 74.7 114.7

77 88.9 102.0 142.0#

79 27.3 11.7 51.7

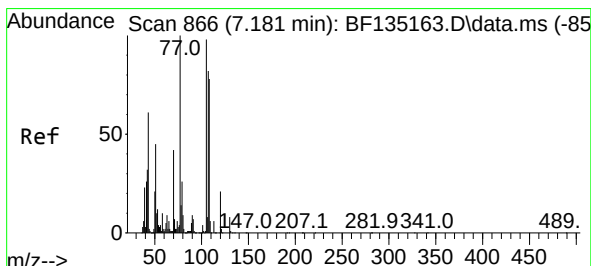
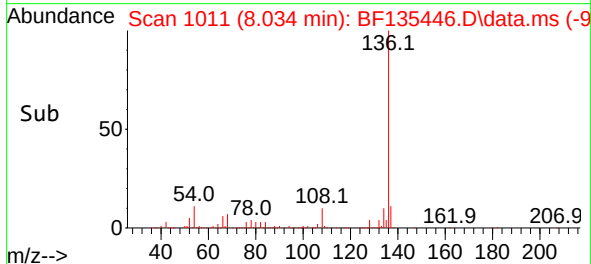
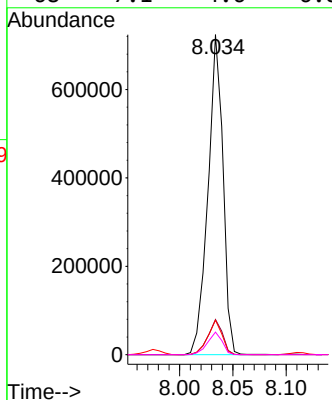
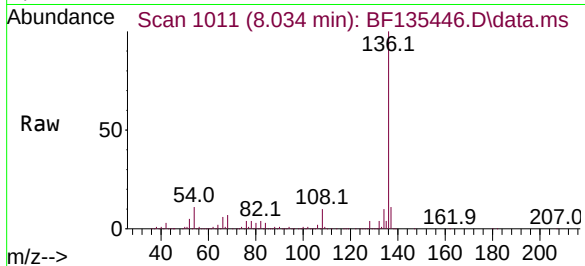




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.034 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

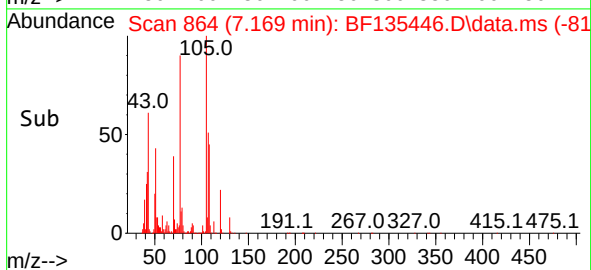
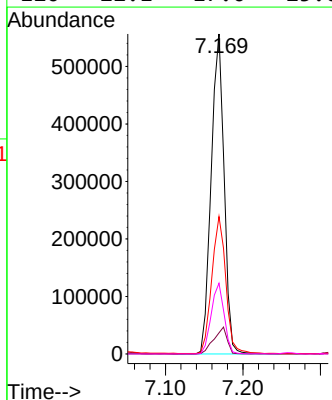
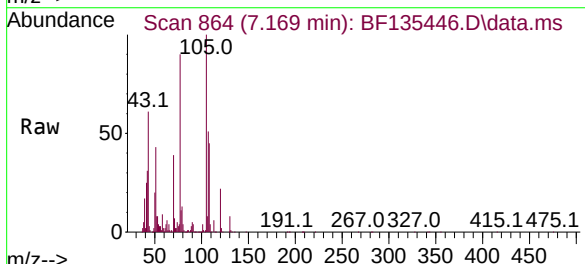
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

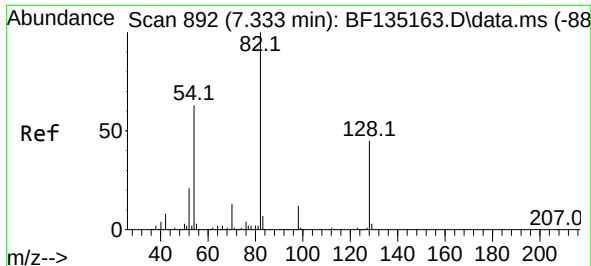
Tgt Ion:136 Resp: 710493  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 10.8 7.7 11.5  
68 7.1 4.6 6.8#



#22  
Acetophenone  
Concen: 39.787 ng  
RT: 7.169 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:105 Resp: 646281  
Ion Ratio Lower Upper  
105 100  
71 6.6 5.8 8.6  
51 43.0 37.0 55.4  
120 22.1 17.0 25.6





#23

Nitrobenzene-d5

Concen: 77.044 ng

RT: 7.322 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

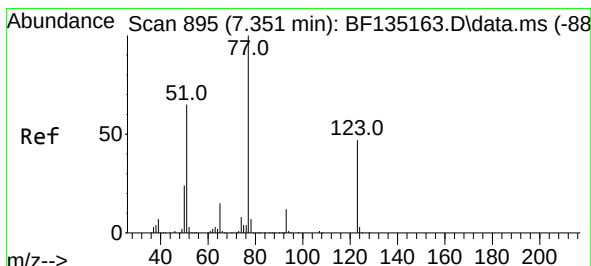
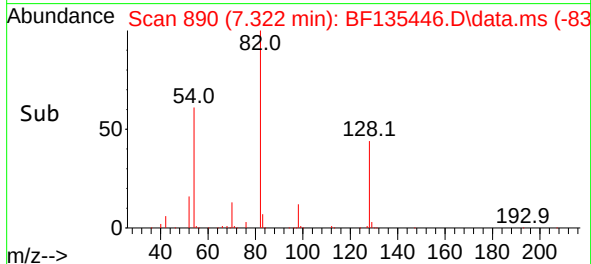
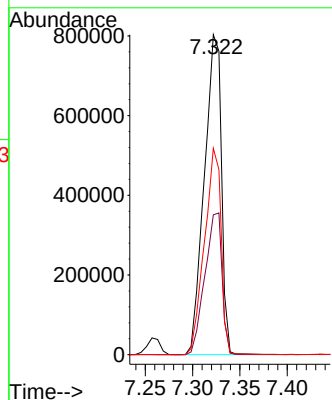
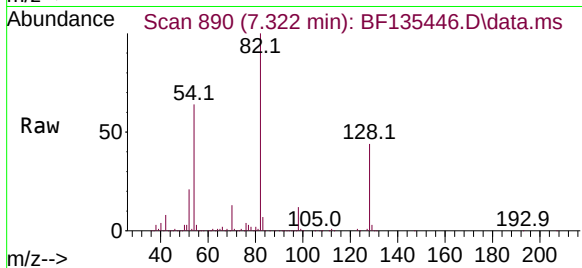
BNA\_F

ClientSampleId :

PB155707BS

Tgt Ion: 82 Resp: 1007541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.7  | 35.8  | 53.6  |
| 54  | 64.5  | 50.6  | 76.0  |



#24

Nitrobenzene

Concen: 41.495 ng

RT: 7.340 min Scan# 893

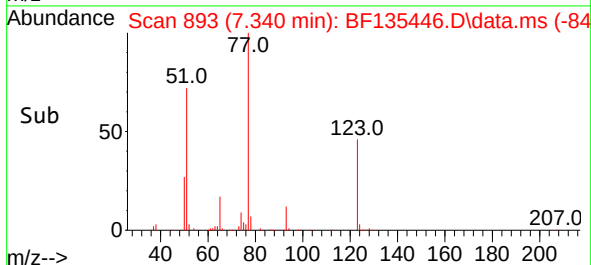
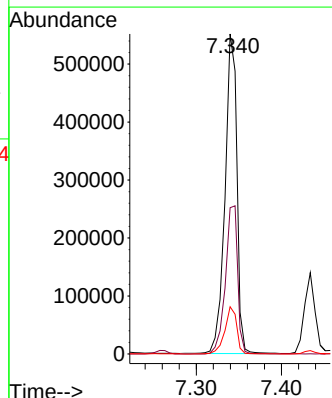
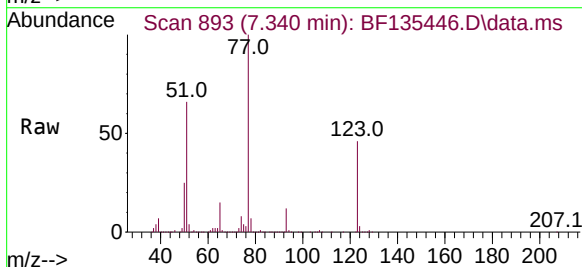
Delta R.T. 0.000 min

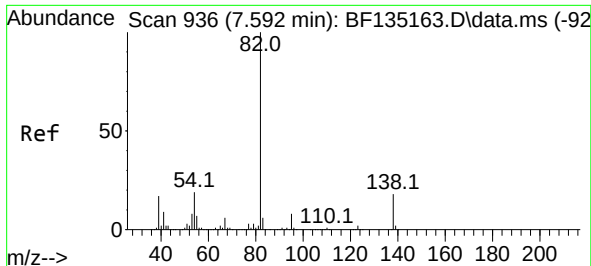
Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Tgt Ion: 77 Resp: 536360

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.7  | 37.6  | 56.4  |
| 65  | 14.7  | 12.2  | 18.4  |

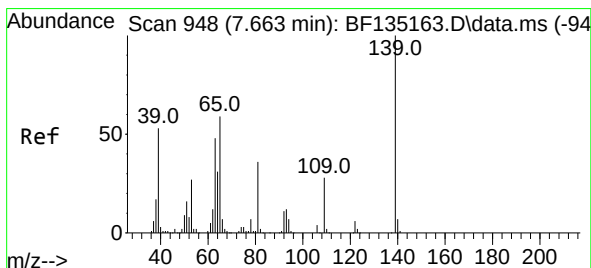
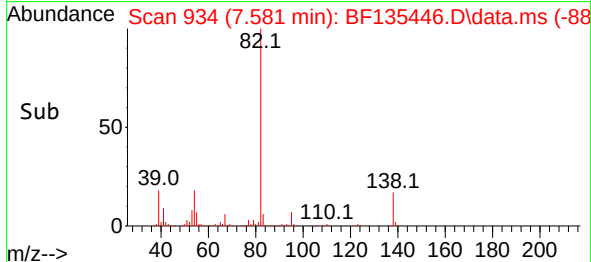
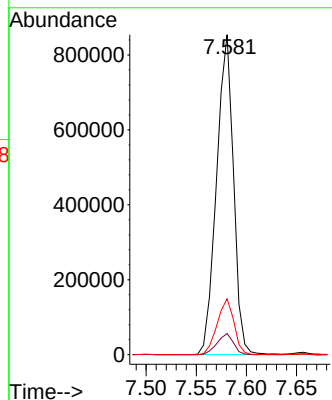
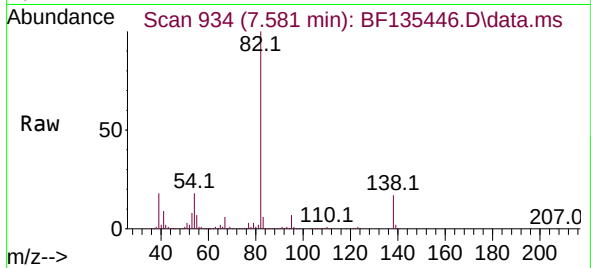




#25  
Isophorone  
Concen: 41.754 ng  
RT: 7.581 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

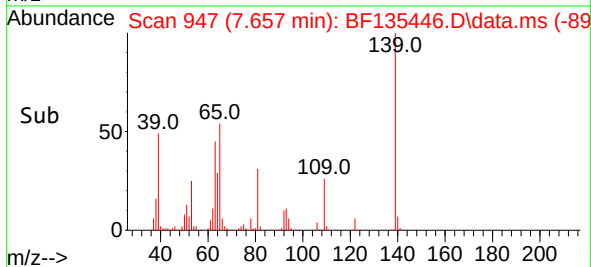
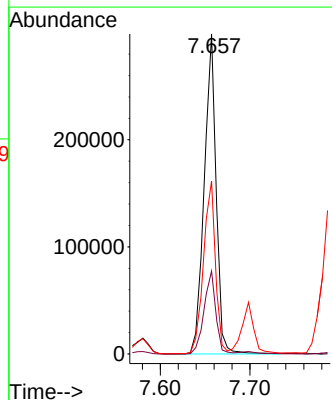
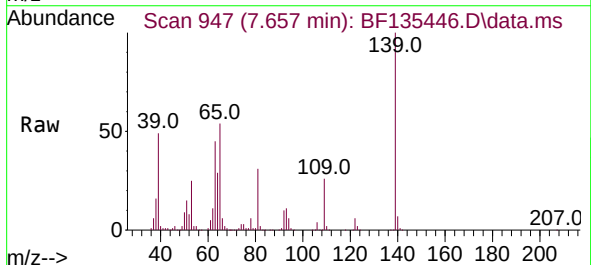
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

Tgt Ion: 82 Resp: 1002675  
Ion Ratio Lower Upper  
82 100  
95 6.6 6.0 9.0  
138 17.5 14.5 21.7

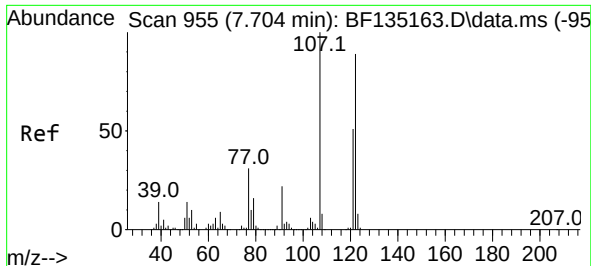


#26  
2-Nitrophenol  
Concen: 44.586 ng  
RT: 7.657 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:139 Resp: 276599  
Ion Ratio Lower Upper  
139 100  
109 25.9 22.6 33.8  
65 54.0 47.0 70.4







#27

2,4-Dimethylphenol

Concen: 41.945 ng

RT: 7.698 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

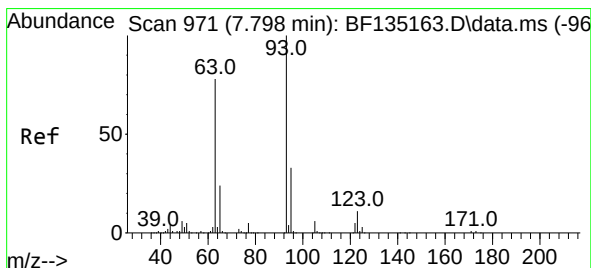
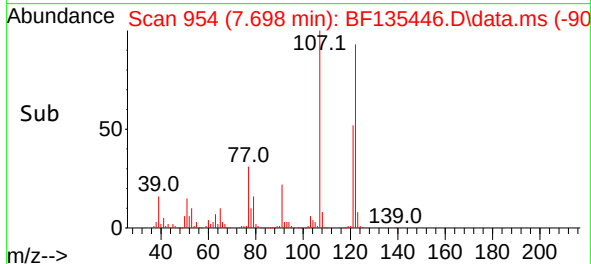
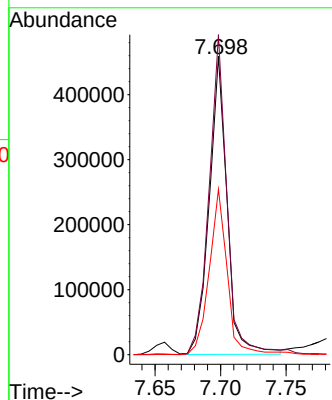
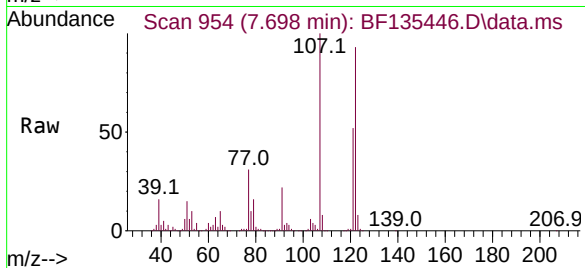
Tgt Ion:122 Resp: 437385

Ion Ratio Lower Upper

122 100

107 107.3 90.2 135.4

121 55.5 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.770 ng

RT: 7.792 min Scan# 970

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

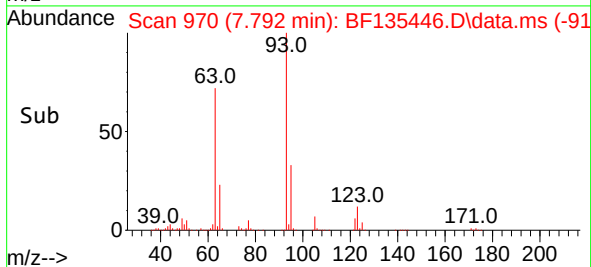
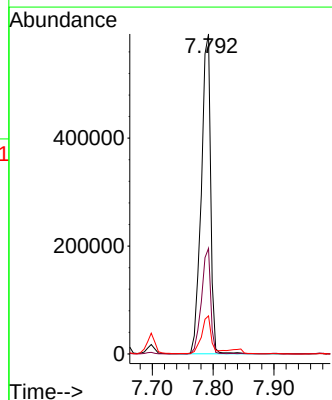
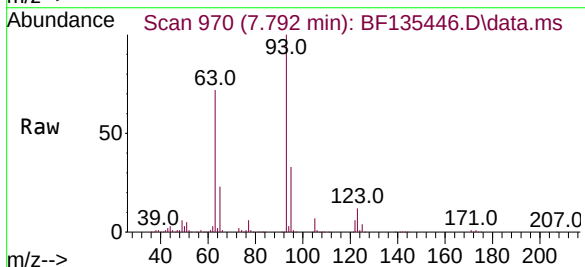
Tgt Ion: 93 Resp: 629101

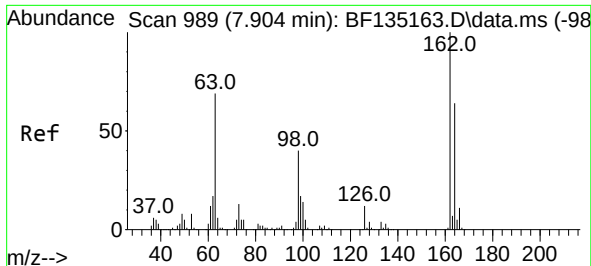
Ion Ratio Lower Upper

93 100

95 33.0 26.2 39.2

123 11.9 8.8 13.2

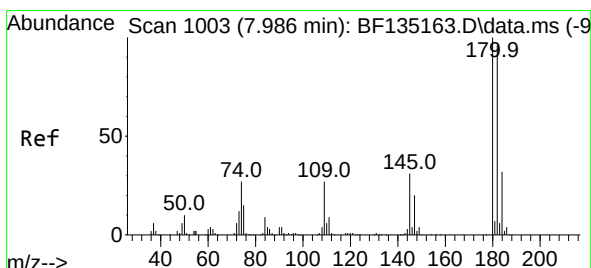
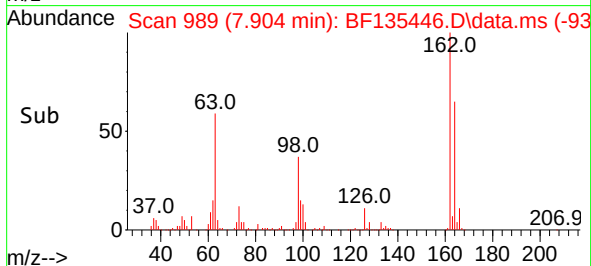
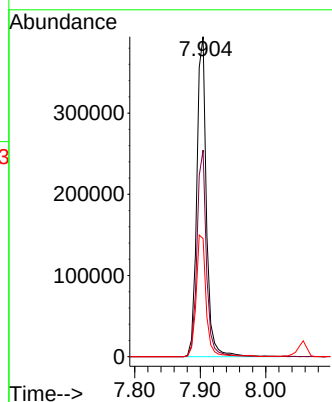
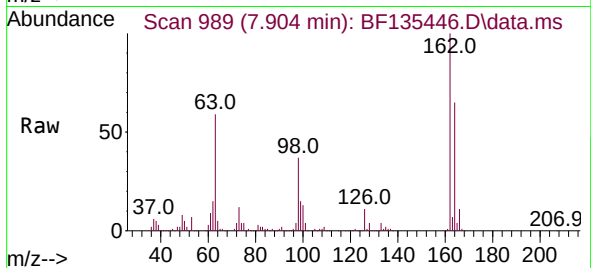




#29  
2,4-Dichlorophenol  
Concen: 41.715 ng  
RT: 7.904 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

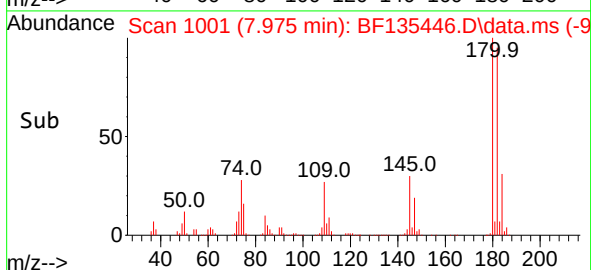
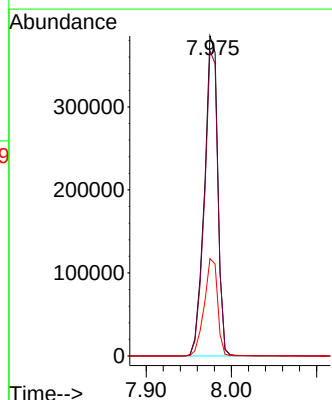
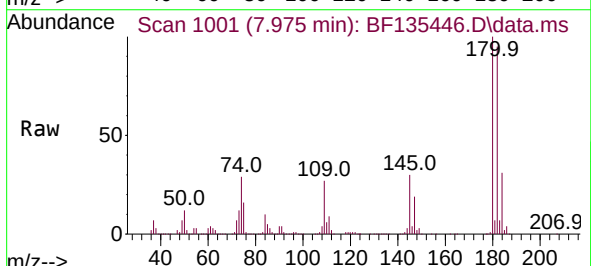
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

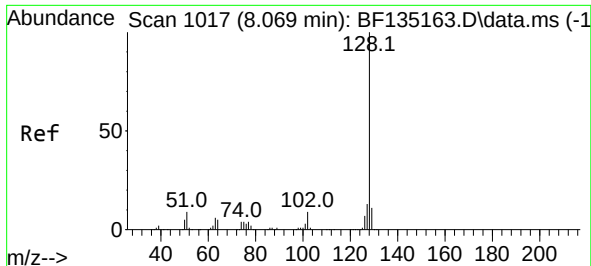
Tgt Ion:162 Resp: 403063  
Ion Ratio Lower Upper  
162 100  
164 64.5 44.1 84.1  
98 36.9 20.3 60.3



#30  
1,2,4-Trichlorobenzene  
Concen: 41.568 ng  
RT: 7.975 min Scan# 1001  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:180 Resp: 419811  
Ion Ratio Lower Upper  
180 100  
182 95.4 76.9 115.3  
145 30.4 24.5 36.7

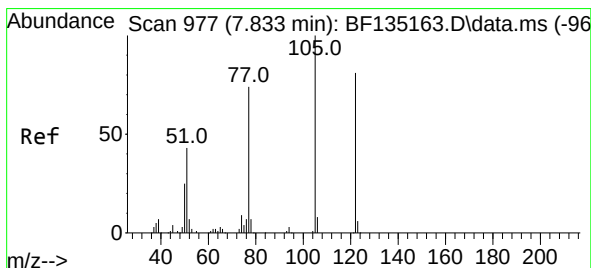
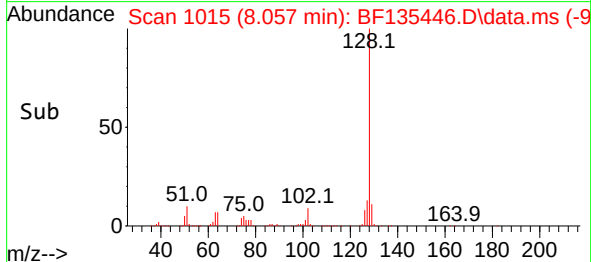
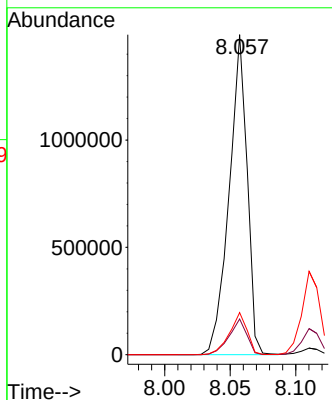
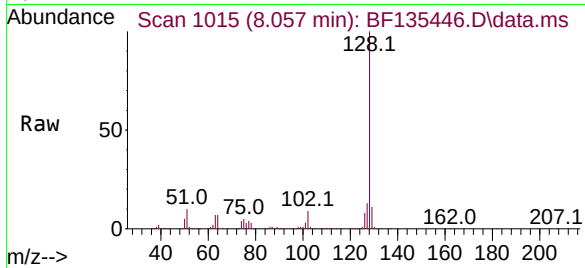




#31  
Naphthalene  
Concen: 41.147 ng  
RT: 8.057 min Scan# 1015  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

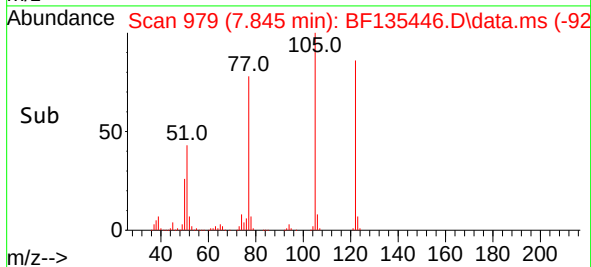
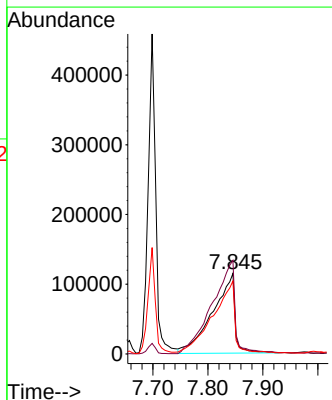
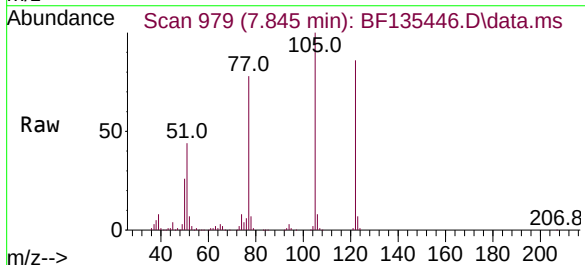
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

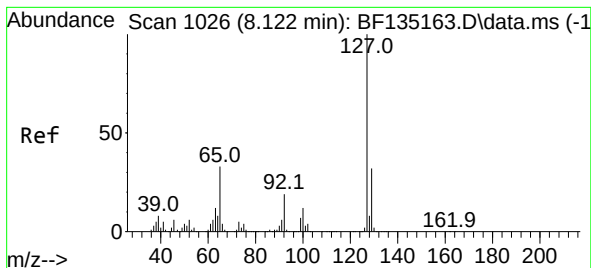
Tgt Ion:128 Resp: 1420425  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.7 13.1  
127 13.1 10.7 16.1



#32  
Benzoic acid  
Concen: 41.136 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.018 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:122 Resp: 323002  
Ion Ratio Lower Upper  
122 100  
105 116.3 99.9 139.9  
77 90.7 70.0 110.0





#33

4-Chloroaniline

Concen: 26.513 ng

RT: 8.110 min Scan# 1026

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

Tgt Ion:127 Resp: 401554

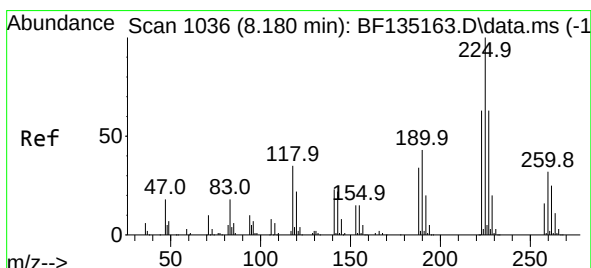
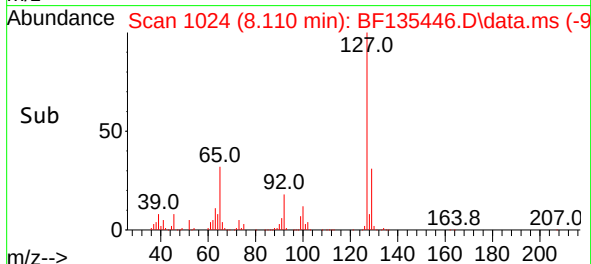
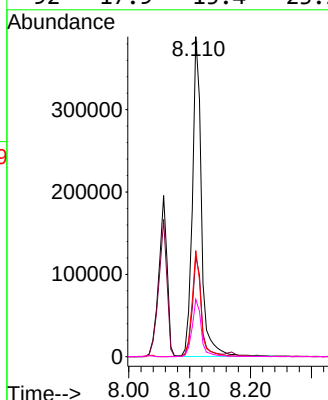
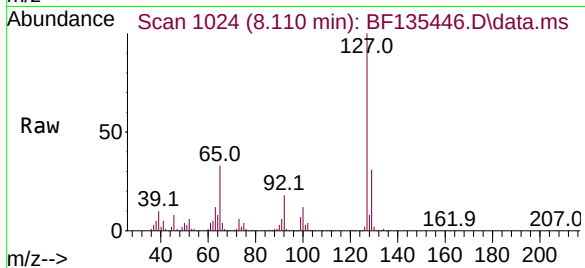
Ion Ratio Lower Upper

127 100

129 31.3 25.8 38.8

65 33.1 26.6 39.8

92 17.9 15.4 23.2



#34

Hexachlorobutadiene

Concen: 38.086 ng

RT: 8.169 min Scan# 1034

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

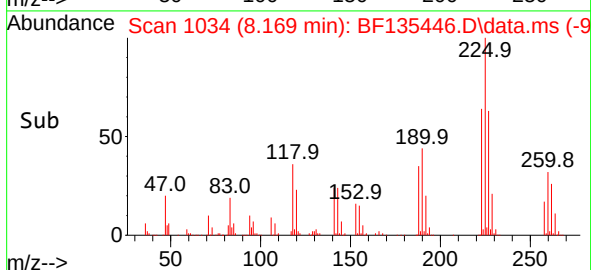
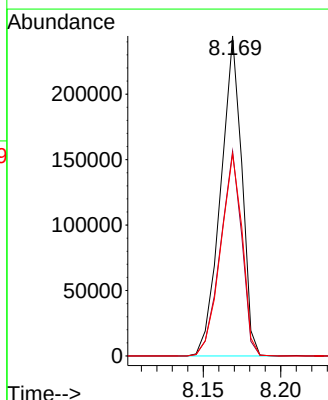
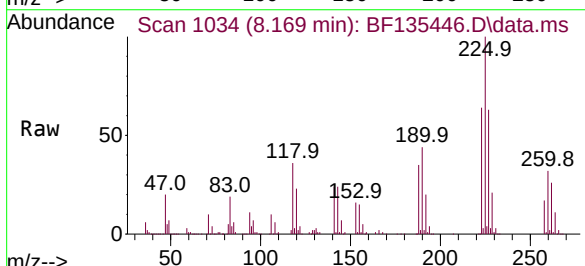
Tgt Ion:225 Resp: 231932

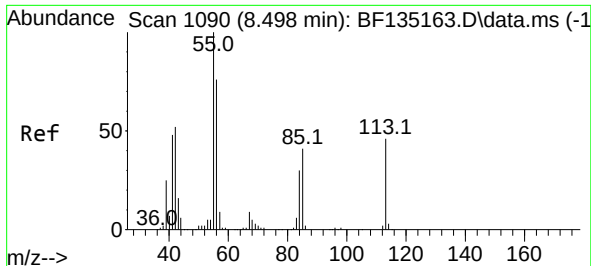
Ion Ratio Lower Upper

225 100

223 64.0 50.6 75.8

227 63.2 50.8 76.2

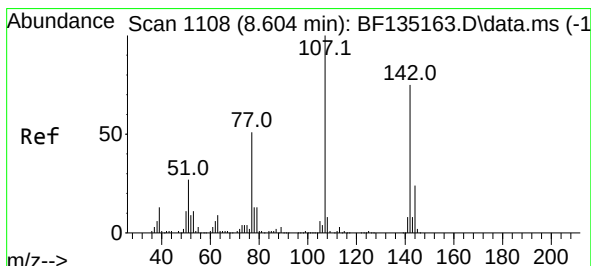
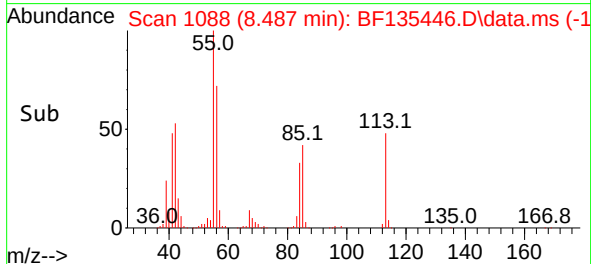
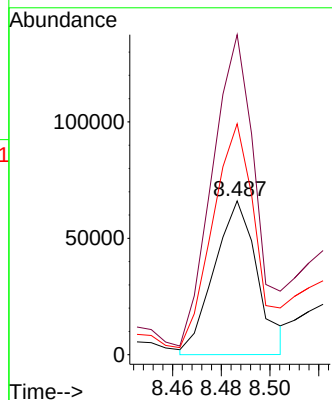
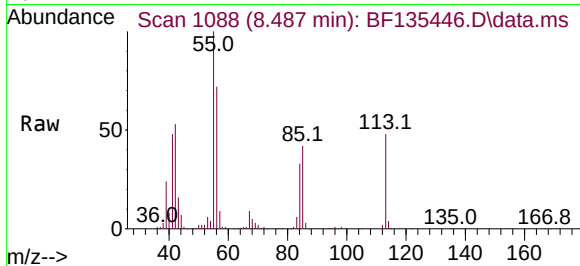




#35  
 Caprolactam  
 Concen: 25.147 ng  
 RT: 8.487 min Scan# 1088  
 Delta R.T. -0.006 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

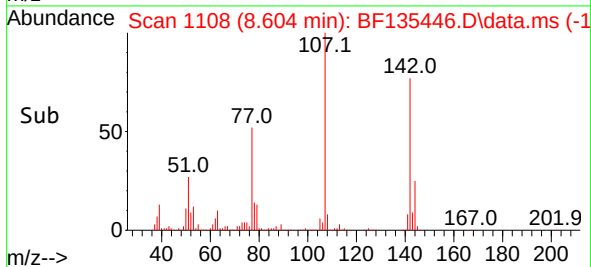
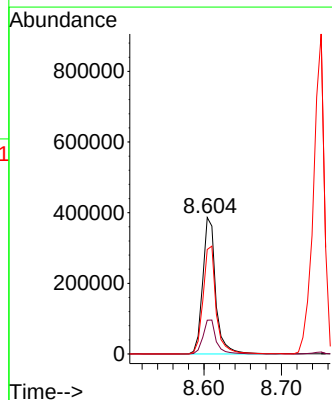
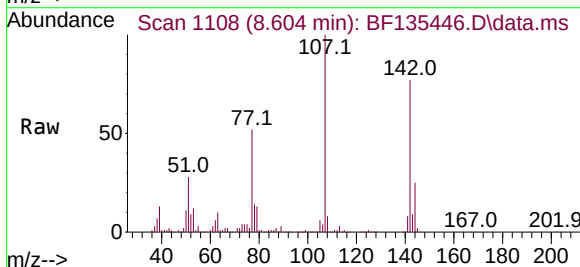
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155707BS

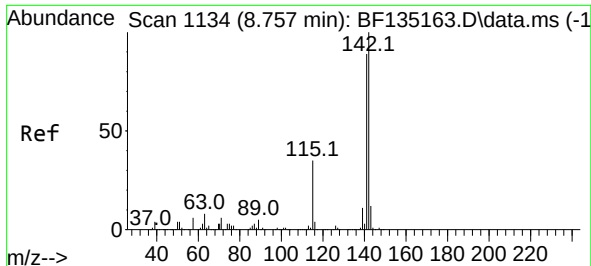
Tgt Ion:113 Resp: 81547  
 Ion Ratio Lower Upper  
 113 100  
 55 208.0 199.3 239.3  
 56 150.0 146.3 186.3



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.858 ng  
 RT: 8.604 min Scan# 1108  
 Delta R.T. 0.000 min  
 Lab File: BF135446.D  
 Acq: 26 Sep 2023 11:44

Tgt Ion:107 Resp: 449517  
 Ion Ratio Lower Upper  
 107 100  
 144 24.7 19.0 28.4  
 142 76.5 60.2 90.2





#37

2-Methylnaphthalene

Concen: 38.047 ng

RT: 8.751 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

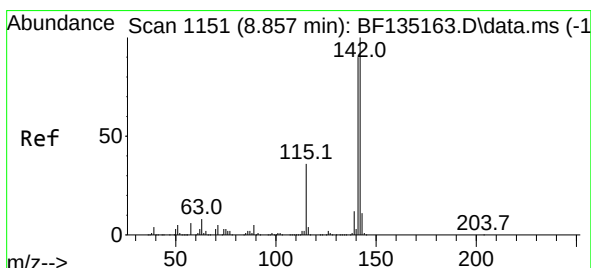
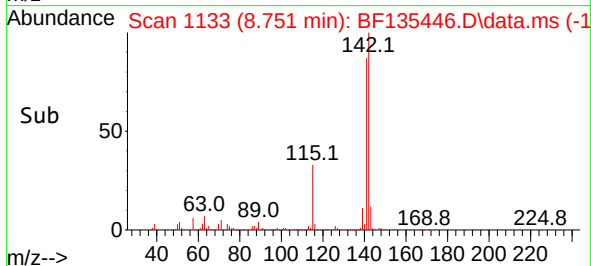
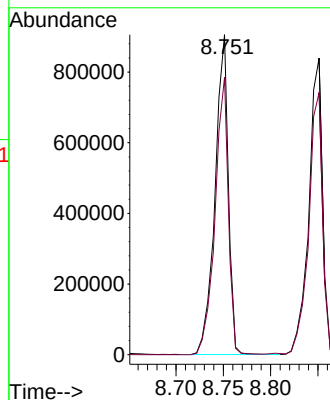
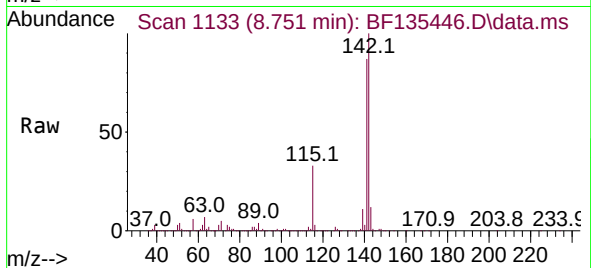
PB155707BS

Tgt Ion:142 Resp: 882876

Ion Ratio Lower Upper

142 100

141 86.6 71.0 106.6



#38

1-Methylnaphthalene

Concen: 38.795 ng

RT: 8.851 min Scan# 1150

Delta R.T. 0.006 min

Lab File: BF135446.D

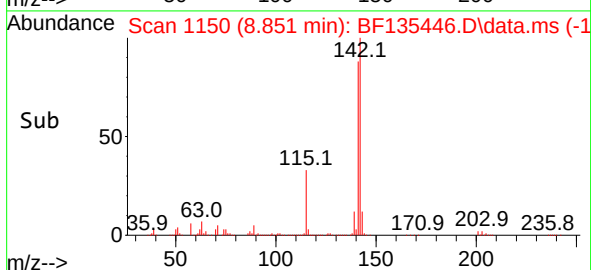
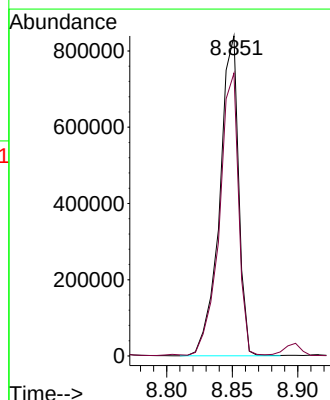
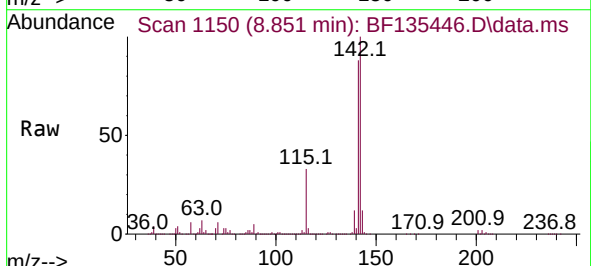
Acq: 26 Sep 2023 11:44

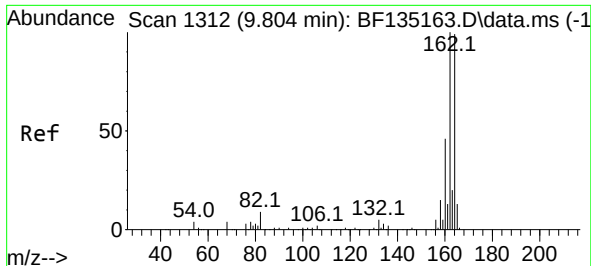
Tgt Ion:142 Resp: 842830

Ion Ratio Lower Upper

142 100

141 88.3 72.4 108.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

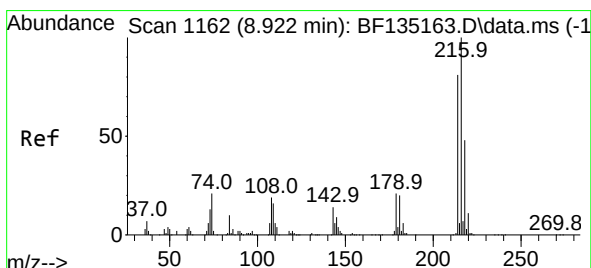
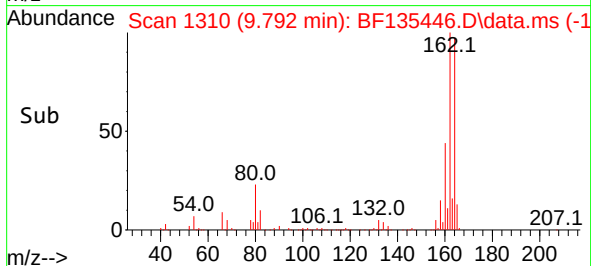
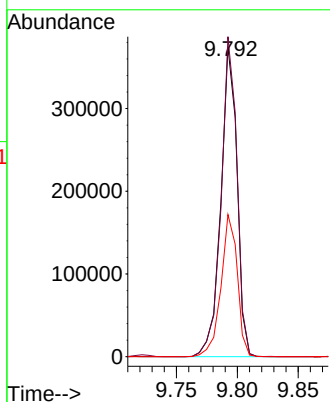
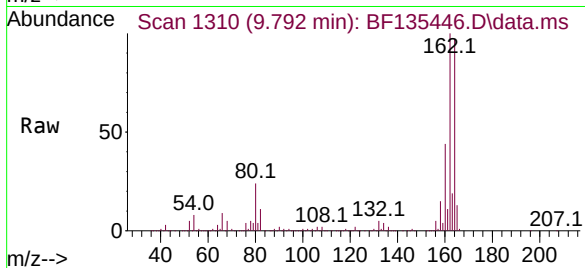
Tgt Ion:164 Resp: 346659

Ion Ratio Lower Upper

164 100

162 103.3 81.0 121.4

160 45.8 37.0 55.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.755 ng

RT: 8.916 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Tgt Ion:216 Resp: 409307

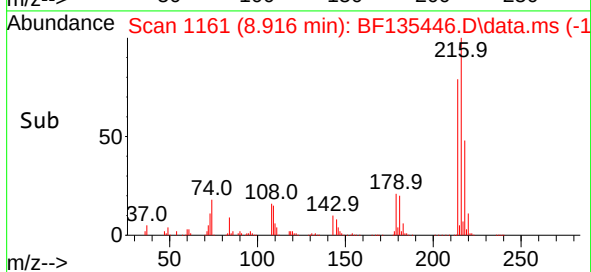
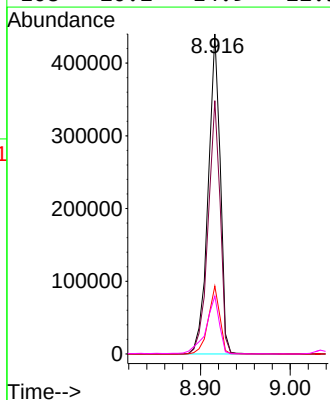
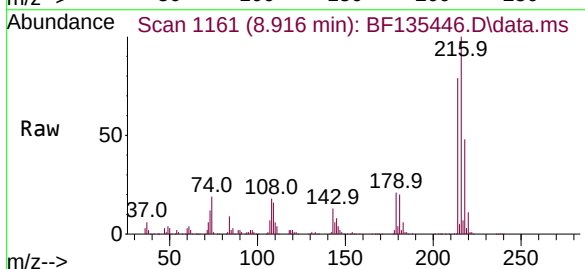
Ion Ratio Lower Upper

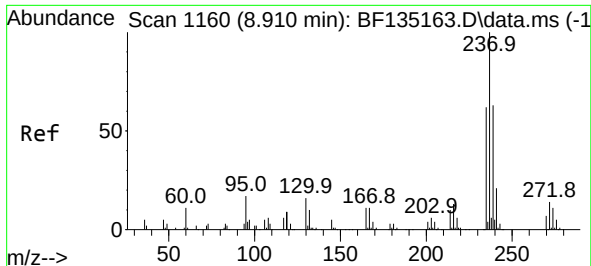
216 100

214 79.0 63.7 95.5

179 20.3 16.7 25.1

108 20.2 14.9 22.3

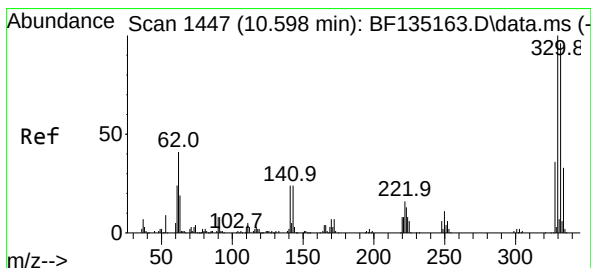
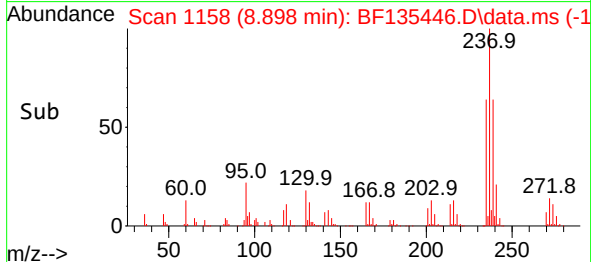
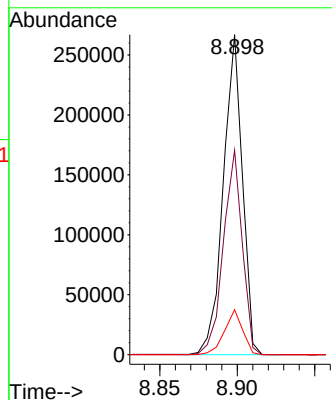
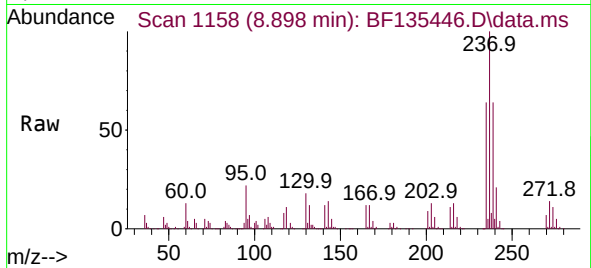




#41  
Hexachlorocyclopentadiene  
Concen: 54.280 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

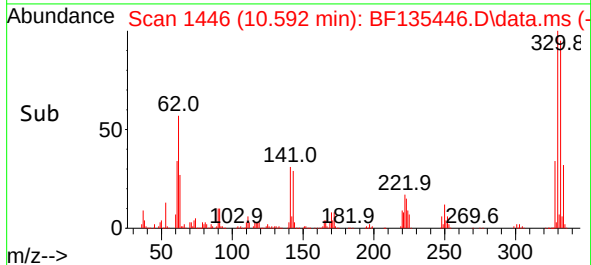
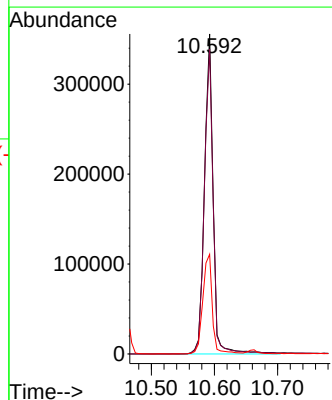
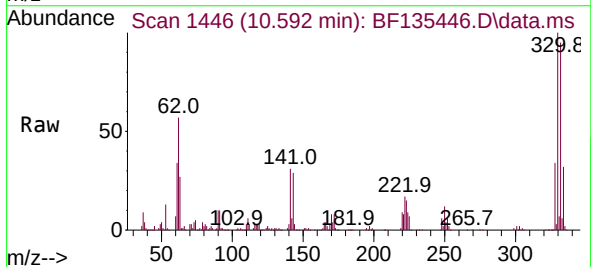
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

Tgt Ion:237 Resp: 228629  
Ion Ratio Lower Upper  
237 100  
235 63.9 41.8 81.8  
272 14.0 0.0 33.6

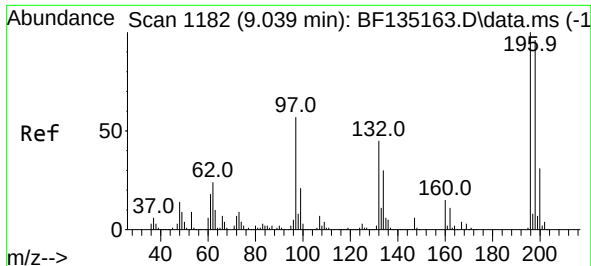


#42  
2,4,6-Tribromophenol  
Concen: 98.730 ng  
RT: 10.592 min Scan# 1446  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:330 Resp: 340120  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.3 115.9  
141 34.2 25.8 38.8







#43

2,4,6-Trichlorophenol

Concen: 41.818 ng

RT: 9.034 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

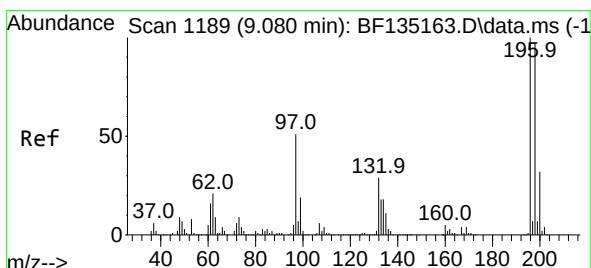
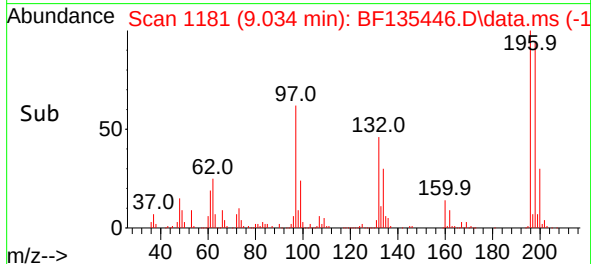
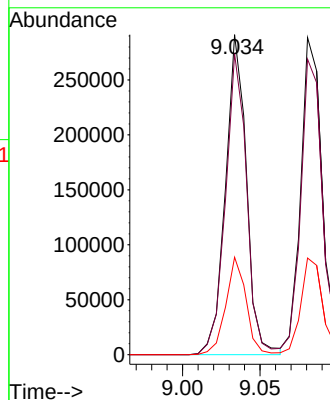
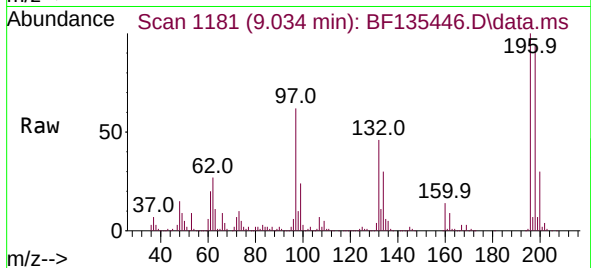
Tgt Ion:196 Resp: 274979

Ion Ratio Lower Upper

196 100

198 94.0 77.0 115.6

200 30.5 24.5 36.7



#44

2,4,5-Trichlorophenol

Concen: 39.355 ng

RT: 9.081 min Scan# 1189

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Tgt Ion:196 Resp: 298015

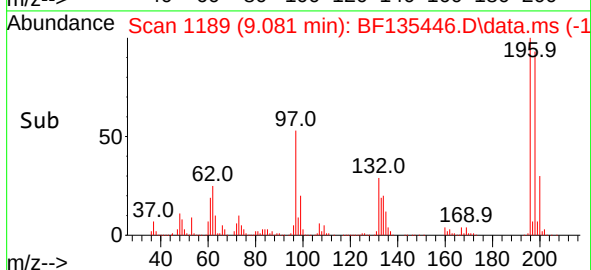
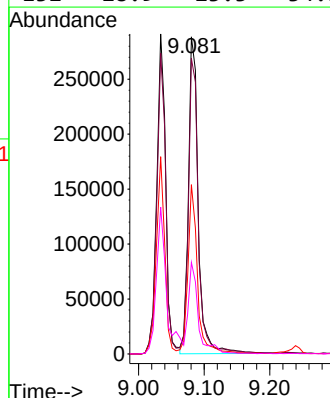
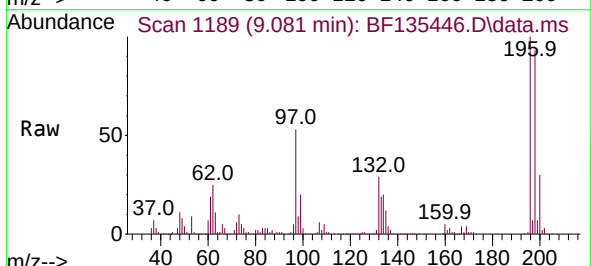
Ion Ratio Lower Upper

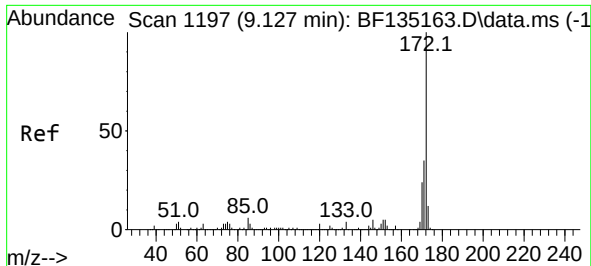
196 100

198 93.2 77.5 116.3

97 53.4 40.5 60.7

132 28.9 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 71.301 ng

RT: 9.116 min Scan# 1195

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

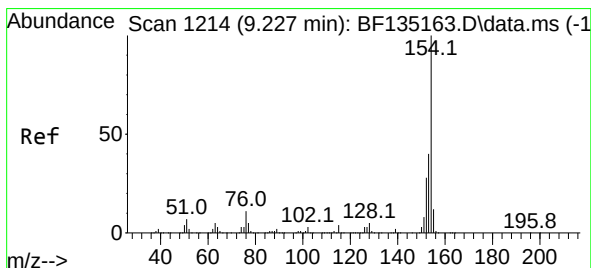
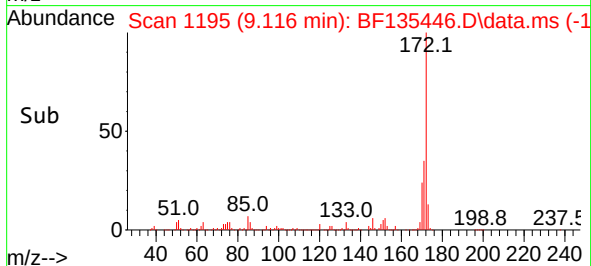
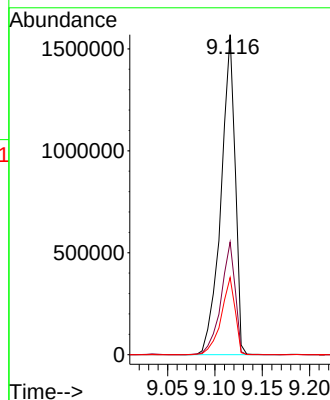
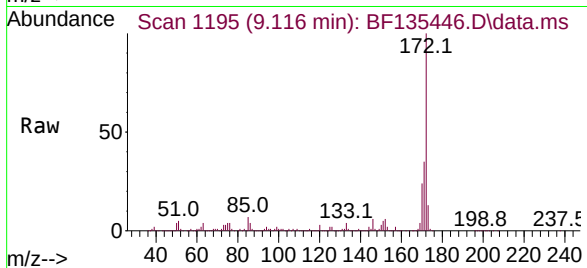
Tgt Ion:172 Resp: 1638291

Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 24.1 19.0 28.4



#46

1,1'-Biphenyl

Concen: 40.632 ng

RT: 9.216 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

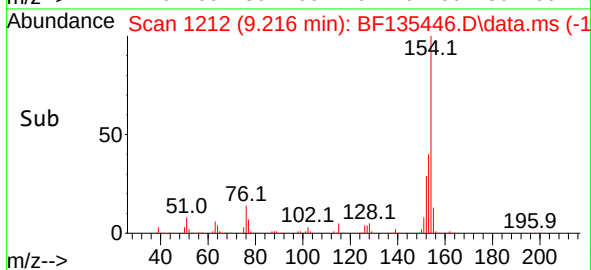
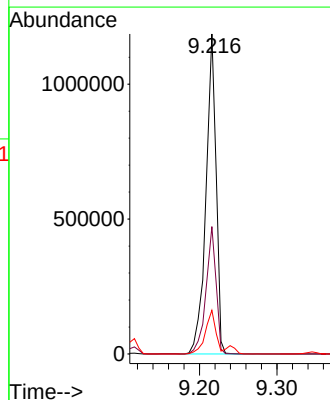
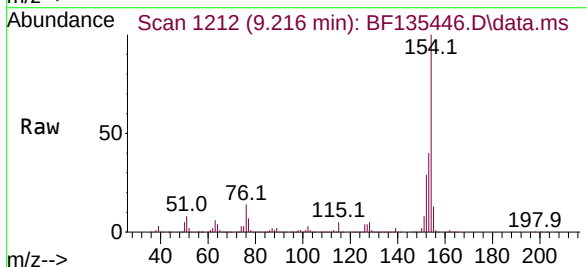
Tgt Ion:154 Resp: 1082440

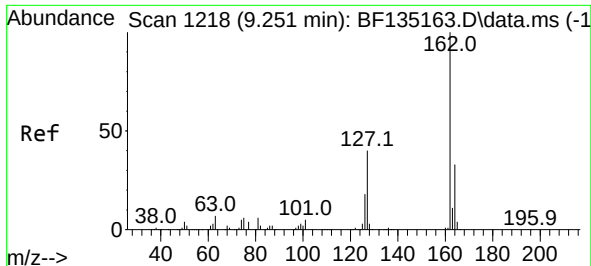
Ion Ratio Lower Upper

154 100

153 39.8 19.6 59.6

76 13.6 0.0 31.0





#47

2-Chloronaphthalene

Concen: 42.247 ng

RT: 9.239 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

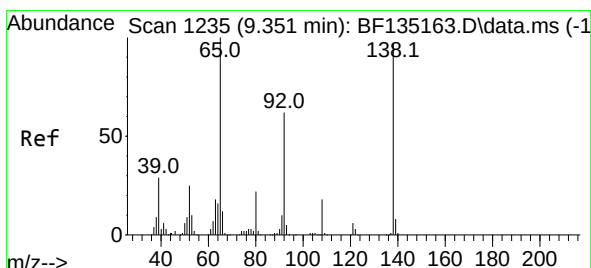
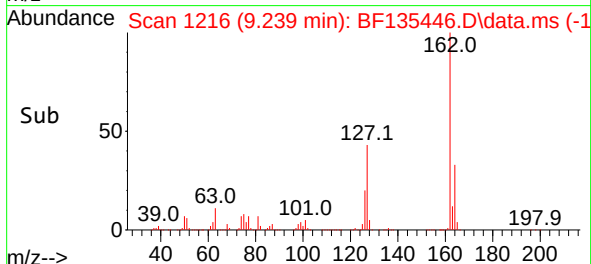
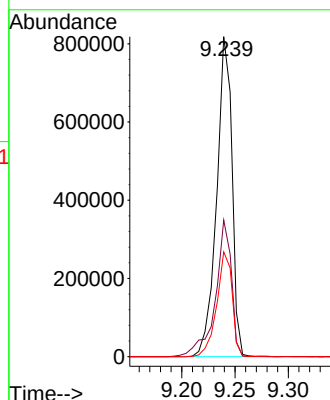
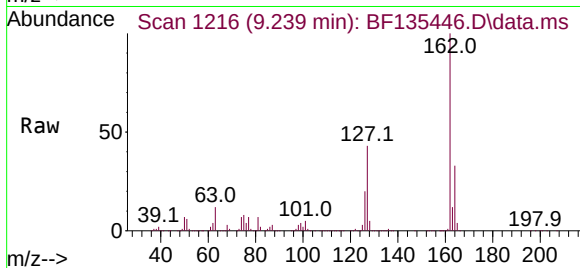
Tgt Ion:162 Resp: 816593

Ion Ratio Lower Upper

162 100

127 42.7 32.6 48.8

164 32.7 26.2 39.2



#48

2-Nitroaniline

Concen: 43.614 ng

RT: 9.345 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

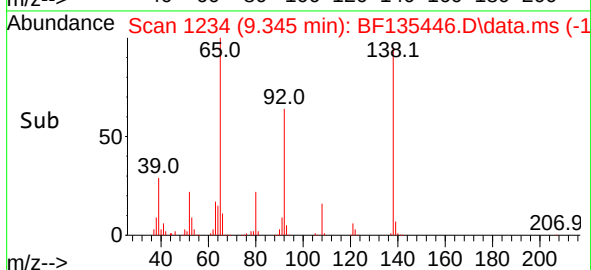
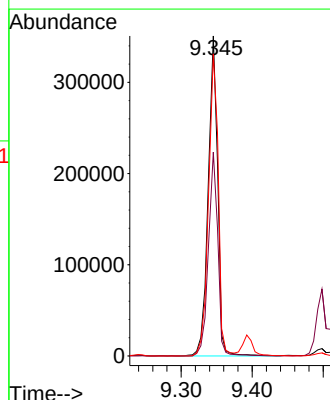
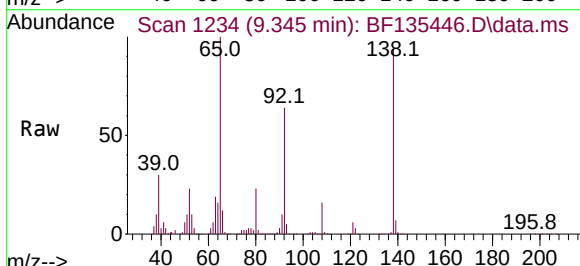
Tgt Ion: 65 Resp: 327512

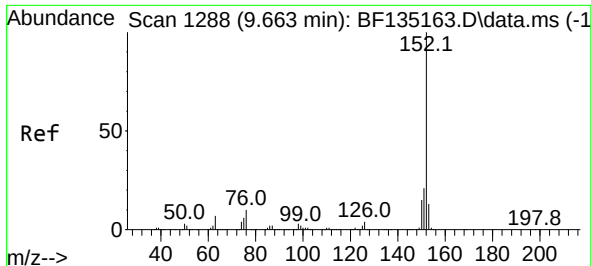
Ion Ratio Lower Upper

65 100

92 63.7 49.4 74.0

138 94.4 77.4 116.0





#49

Acenaphthylene

Concen: 40.532 ng

RT: 9.657 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

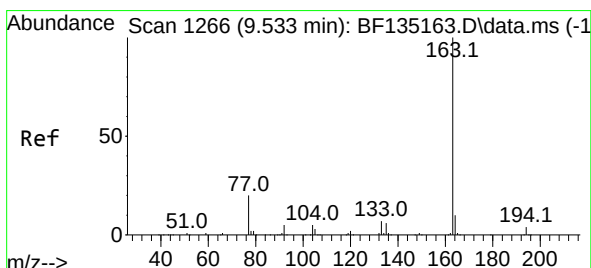
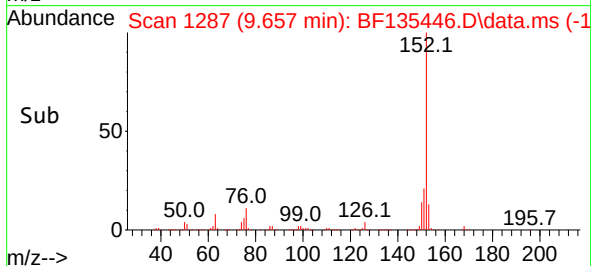
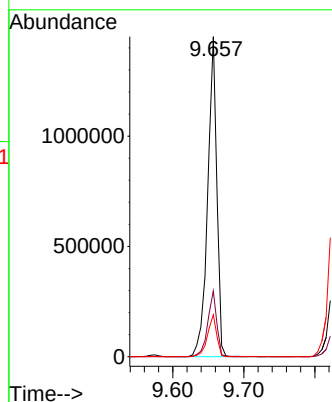
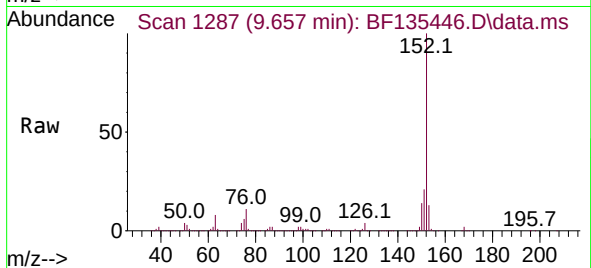
Tgt Ion:152 Resp: 1302038

Ion Ratio Lower Upper

152 100

151 20.6 16.4 24.6

153 13.1 10.4 15.6



#50

Dimethylphthalate

Concen: 40.825 ng

RT: 9.522 min Scan# 1264

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

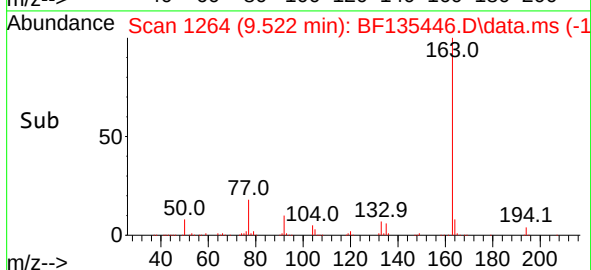
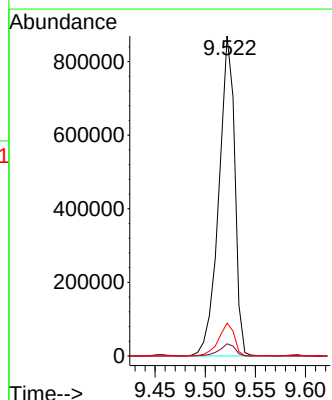
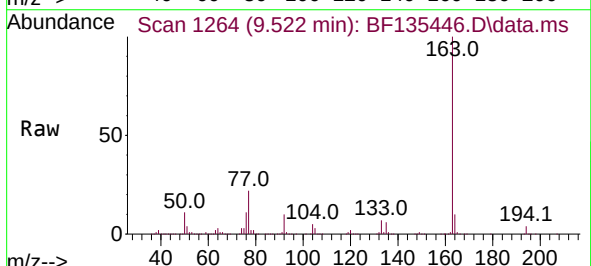
Tgt Ion:163 Resp: 956850

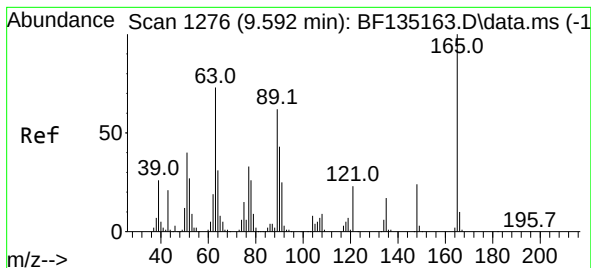
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.3 8.1 12.1

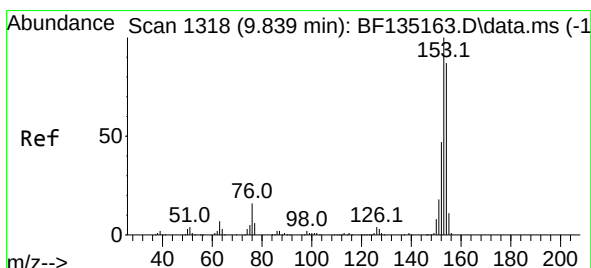
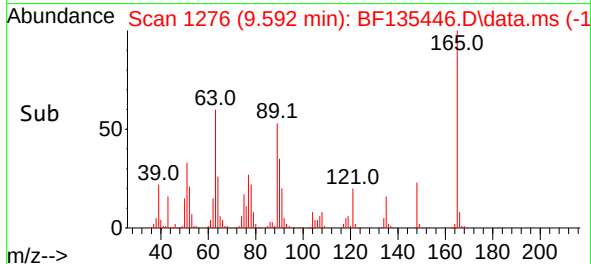
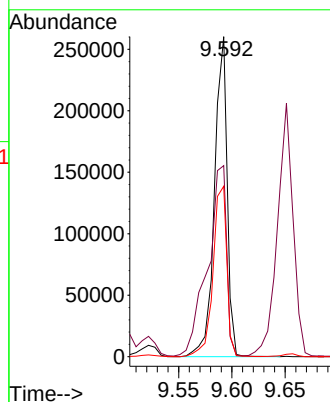
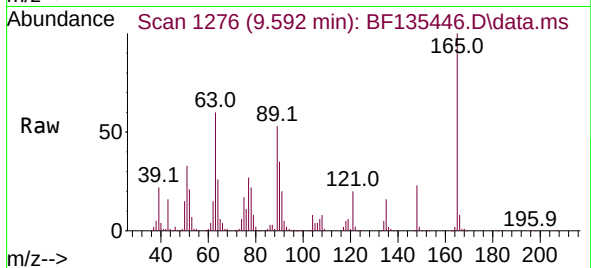




#51  
2,6-Dinitrotoluene  
Concen: 41.934 ng  
RT: 9.592 min Scan# 1316  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

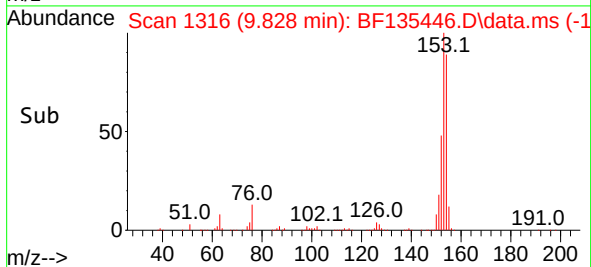
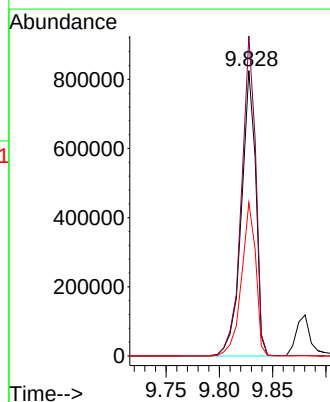
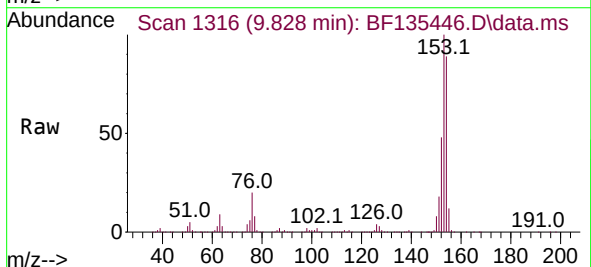
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

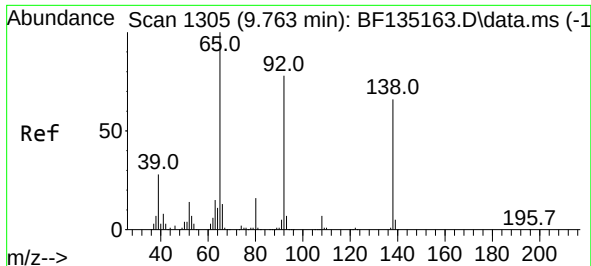
Tgt Ion:165 Resp: 215309  
Ion Ratio Lower Upper  
165 100  
63 59.7 59.4 89.2  
89 53.2 49.8 74.8



#52  
Acenaphthene  
Concen: 41.002 ng  
RT: 9.828 min Scan# 1316  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:154 Resp: 778079  
Ion Ratio Lower Upper  
154 100  
153 112.2 92.1 138.1  
152 53.8 43.1 64.7

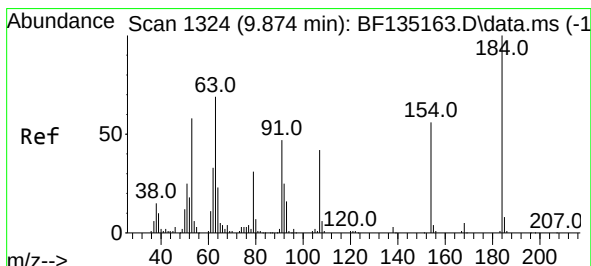
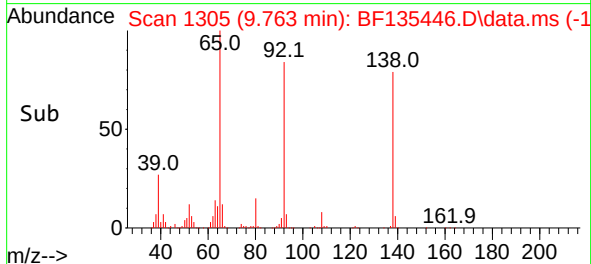
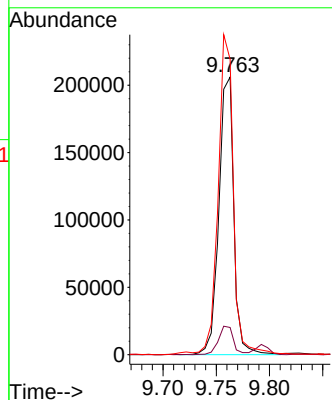
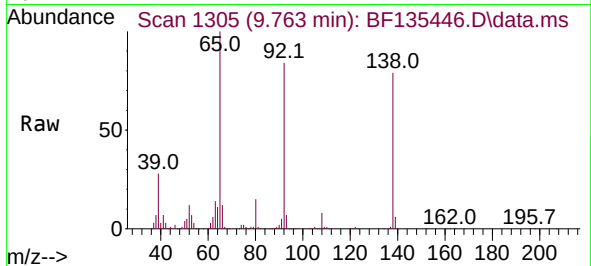




#53  
3-Nitroaniline  
Concen: 33.364 ng  
RT: 9.763 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

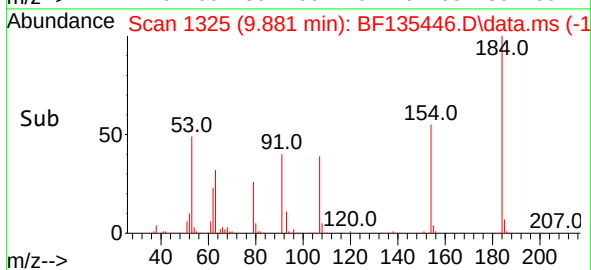
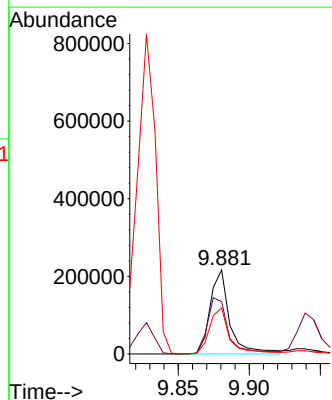
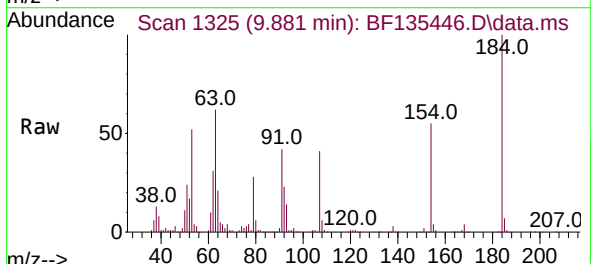
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

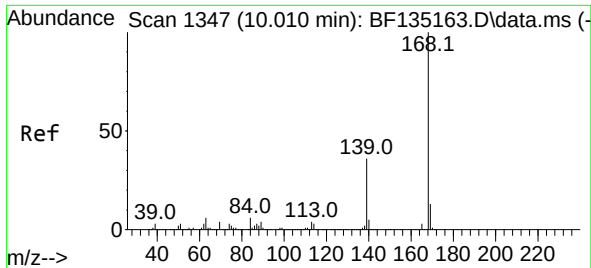
Tgt Ion:138 Resp: 201085  
Ion Ratio Lower Upper  
138 100  
108 9.8 8.5 12.7  
92 106.4 95.4 143.0



#54  
2,4-Dinitrophenol  
Concen: 71.962 ng  
RT: 9.881 min Scan# 1325  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:184 Resp: 207769  
Ion Ratio Lower Upper  
184 100  
63 62.3 55.1 82.7  
154 54.7 48.4 72.6

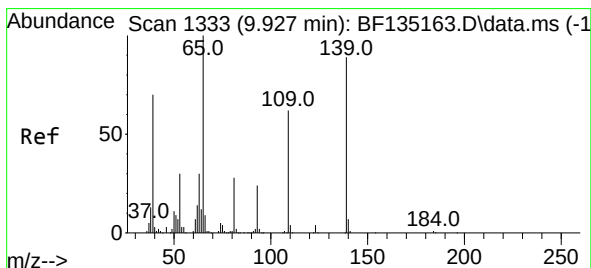
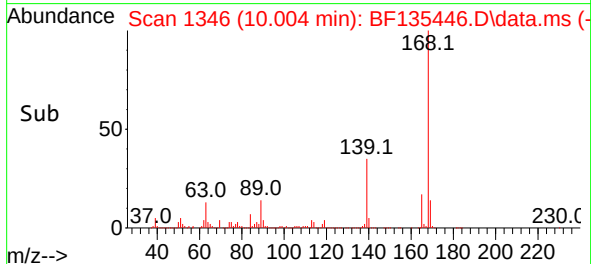
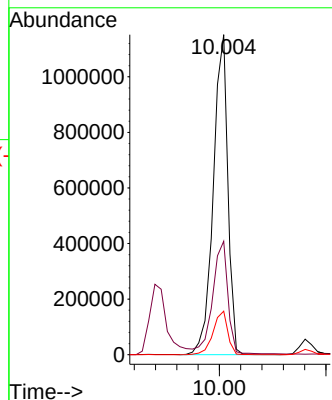
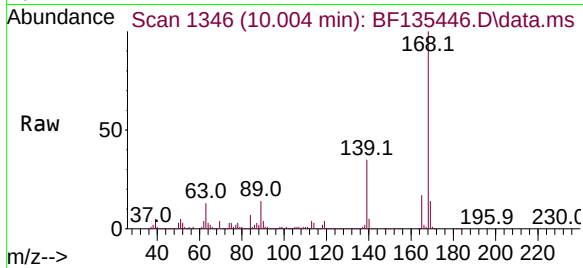




#55  
Dibenzenofuran  
Concen: 37.830 ng  
RT: 10.004 min Scan# 1346  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

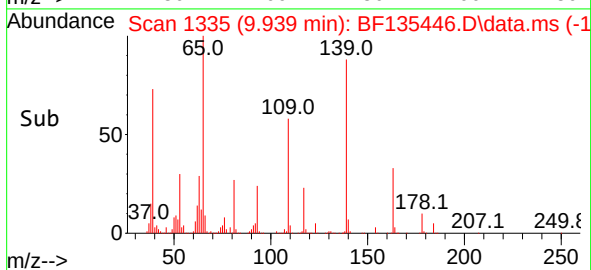
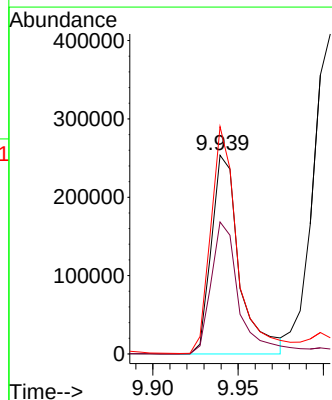
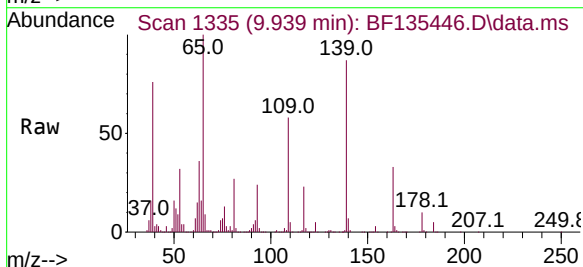
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

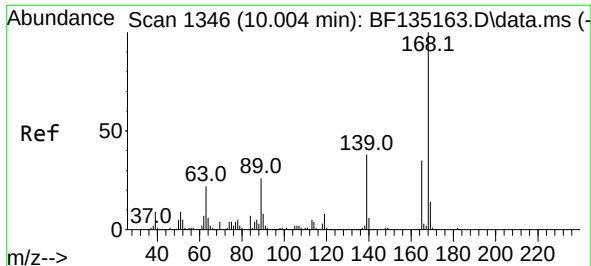
Tgt Ion:168 Resp: 1095478  
Ion Ratio Lower Upper  
168 100  
139 35.5 29.0 43.6  
169 13.6 10.4 15.6



#56  
4-Nitrophenol  
Concen: 75.927 ng  
RT: 9.939 min Scan# 1335  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:139 Resp: 290833  
Ion Ratio Lower Upper  
139 100  
109 66.4 49.8 89.8  
65 114.4 92.7 132.7

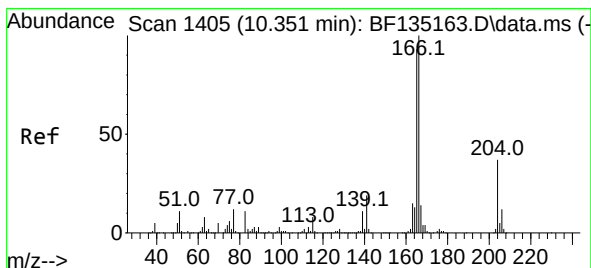
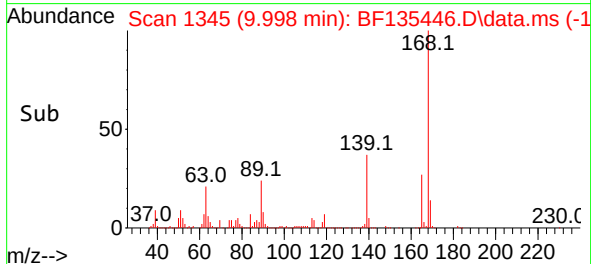
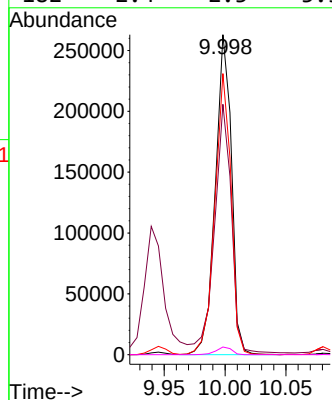
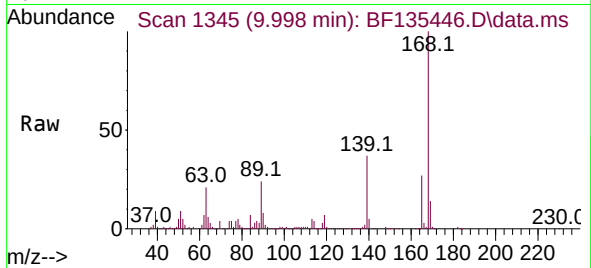




#57  
2,4-Dinitrotoluene  
Concen: 37.938 ng  
RT: 9.998 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

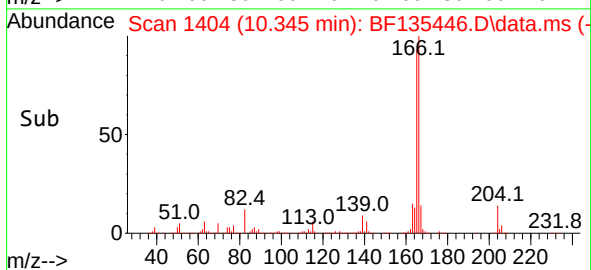
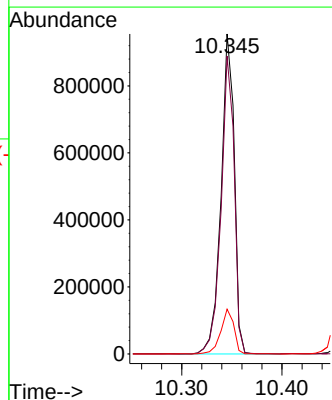
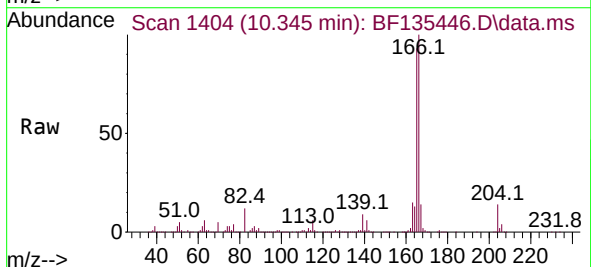
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

Tgt Ion:165 Resp: 243860  
Ion Ratio Lower Upper  
165 100  
63 78.3 50.1 75.1#  
89 87.8 59.3 88.9  
182 2.4 2.3 3.5

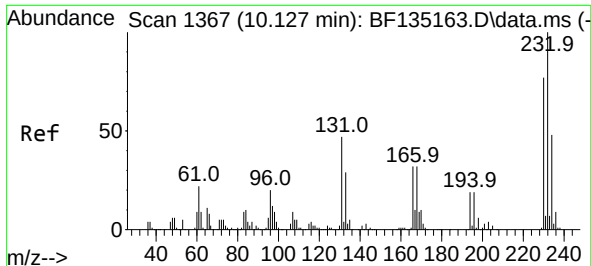


#58  
Fluorene  
Concen: 39.247 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:166 Resp: 873728  
Ion Ratio Lower Upper  
166 100  
165 93.0 74.3 111.5  
167 14.0 10.9 16.3



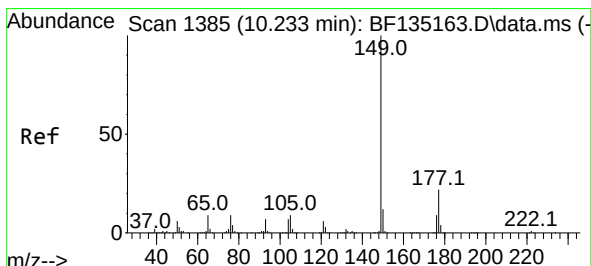
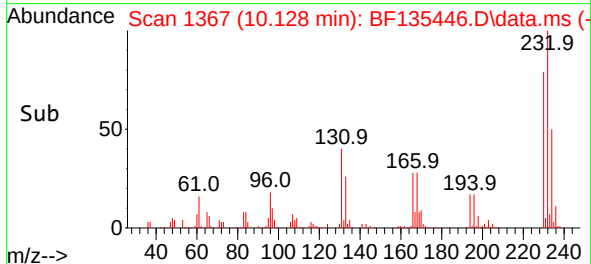
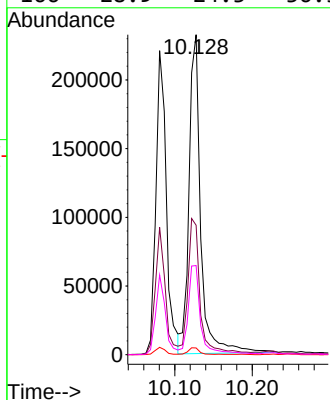
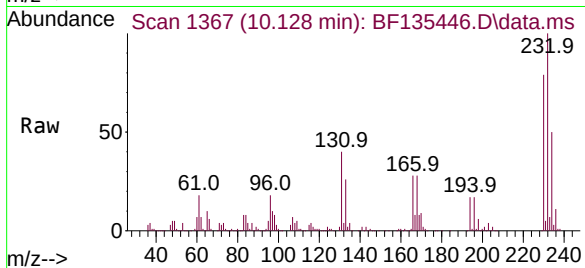




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.693 ng  
RT: 10.128 min Scan# 1367  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

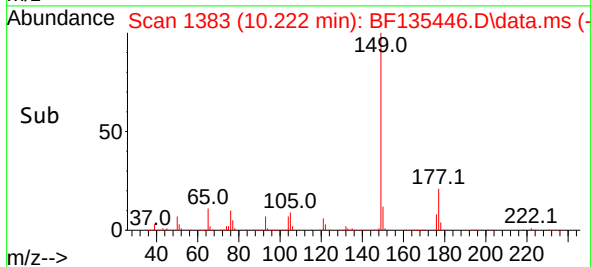
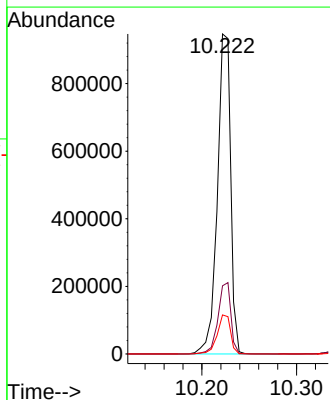
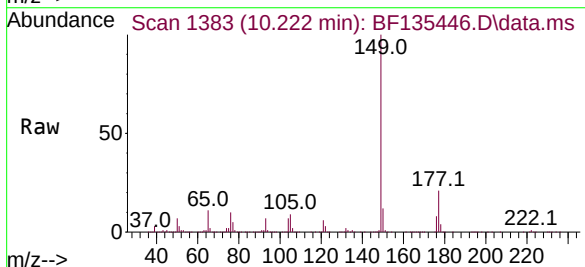
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

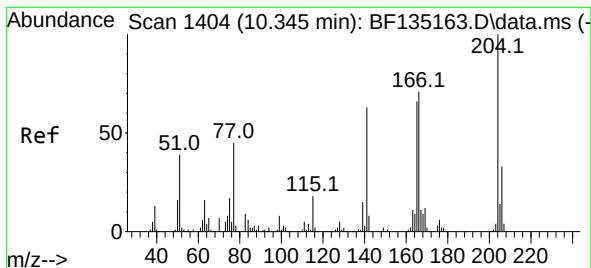
Tgt Ion:232 Resp: 242868  
Ion Ratio Lower Upper  
232 100  
131 44.7 35.4 53.2  
130 2.2 1.8 2.8  
166 28.9 24.3 36.5



#60  
Diethylphthalate  
Concen: 39.464 ng  
RT: 10.222 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:149 Resp: 928263  
Ion Ratio Lower Upper  
149 100  
177 21.3 17.8 26.6  
150 12.2 10.0 15.0

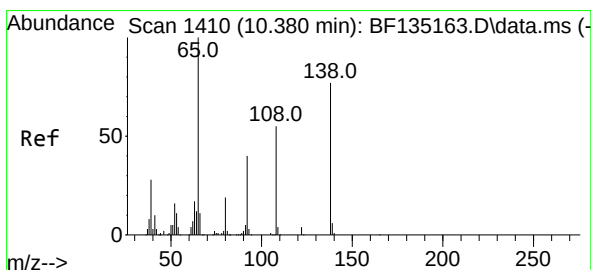
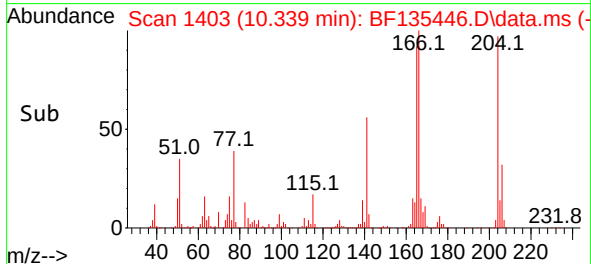
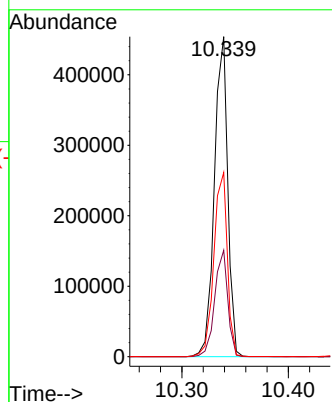
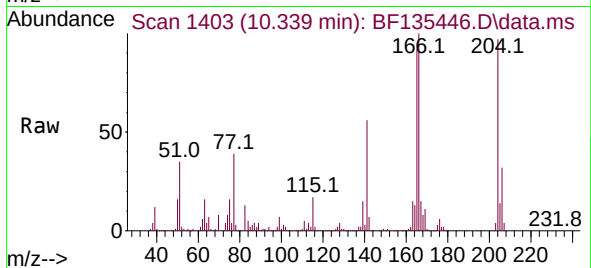




#61  
4-Chlorophenyl-phenylether  
Concen: 36.934 ng  
RT: 10.339 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

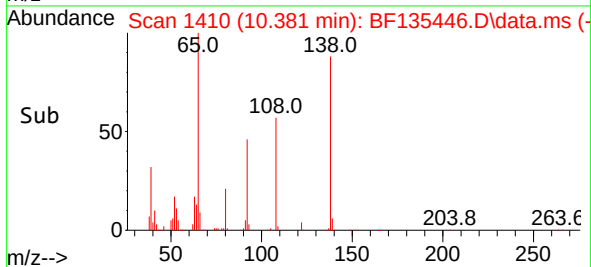
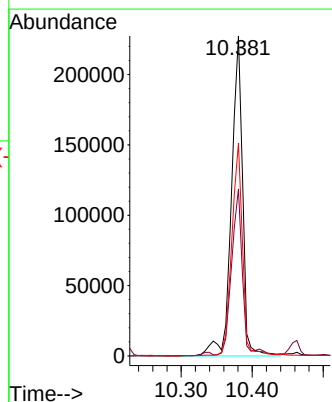
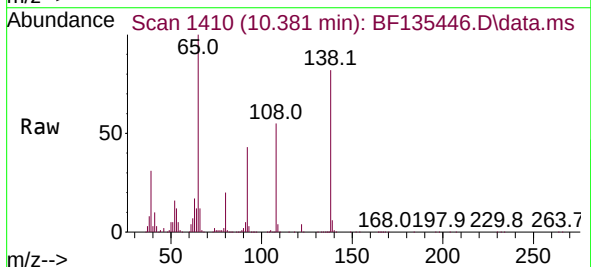
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

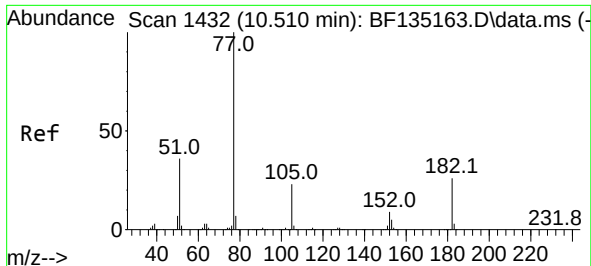
Tgt Ion:204 Resp: 394968  
Ion Ratio Lower Upper  
204 100  
206 33.2 26.7 40.1  
141 57.6 50.6 75.8



#62  
4-Nitroaniline  
Concen: 43.079 ng  
RT: 10.381 min Scan# 1410  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:138 Resp: 249571  
Ion Ratio Lower Upper  
138 100  
92 52.2 31.8 71.8  
108 66.5 52.0 92.0

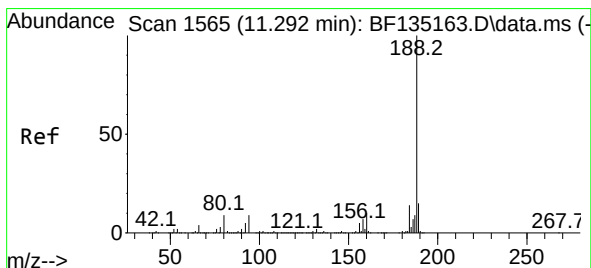
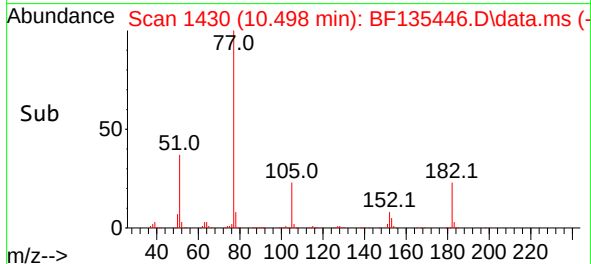
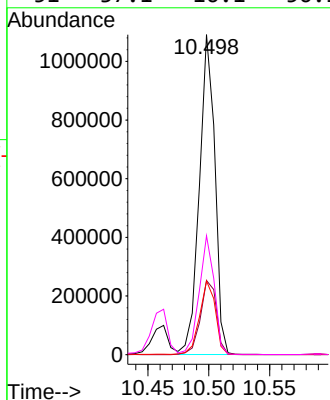
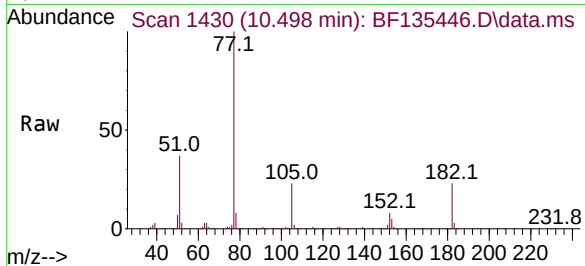




#63  
Azobenzene  
Concen: 42.077 ng  
RT: 10.498 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

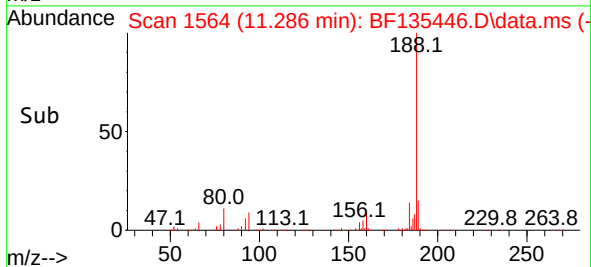
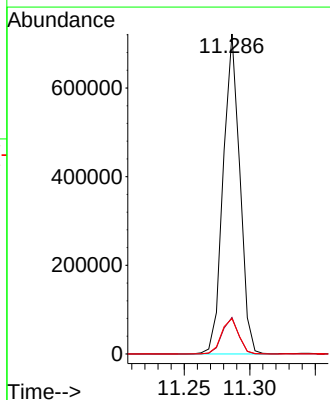
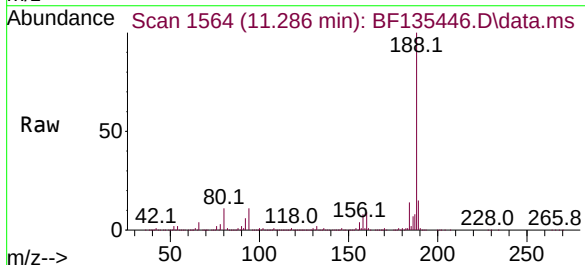
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

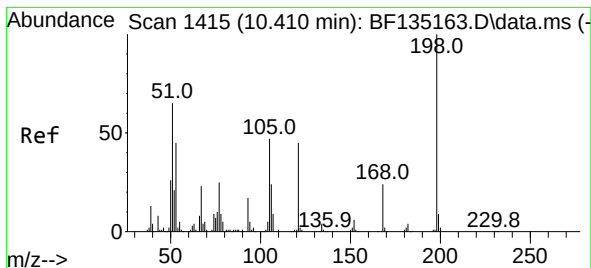
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 968629 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 23.2    | 6.4 46.4     |
| 105 23.1    | 3.1 43.1     |
| 51 37.1     | 16.1 56.1    |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.286 min Scan# 1564  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

|             |              |
|-------------|--------------|
| Tgt Ion:188 | Resp: 636366 |
| Ion Ratio   | Lower Upper  |
| 188 100     |              |
| 94 11.4     | 7.0 10.6#    |
| 80 11.1     | 7.5 11.3     |

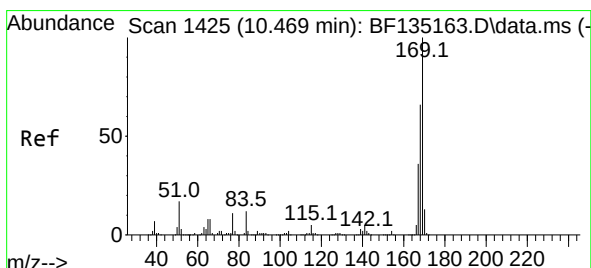
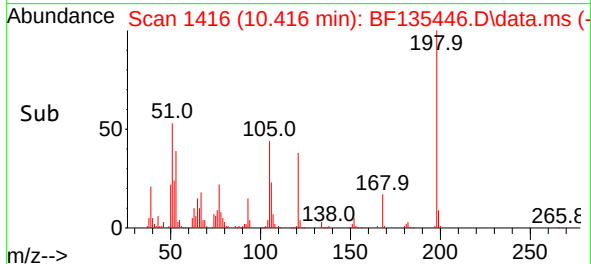
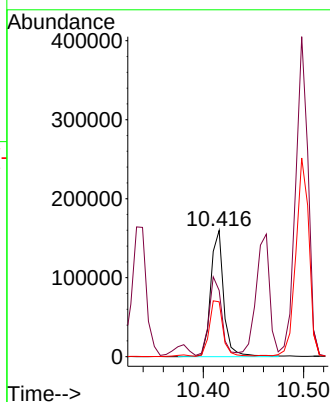
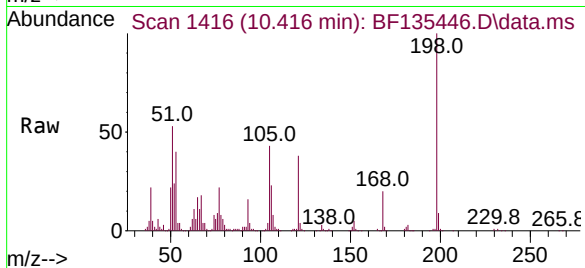




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.537 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

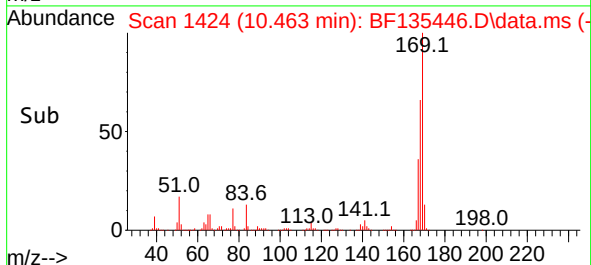
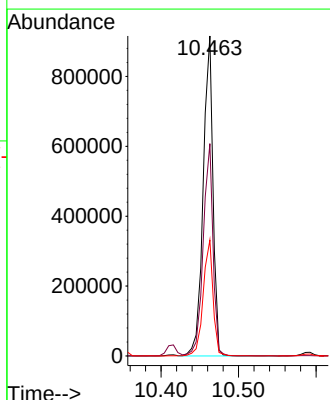
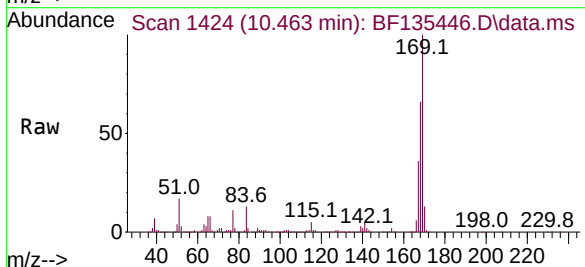
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

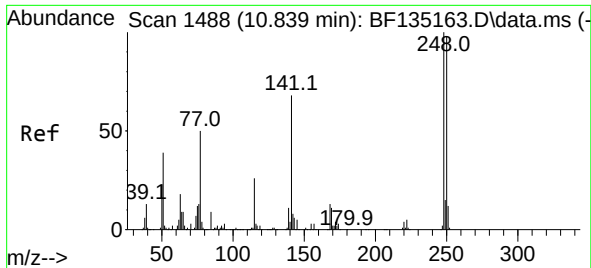
Tgt Ion:198 Resp: 143771  
Ion Ratio Lower Upper  
198 100  
51 52.6 47.7 87.7  
105 43.4 27.4 67.4



#66  
n-Nitrosodiphenylamine  
Concen: 41.762 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:169 Resp: 804579  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.8 79.2  
167 36.3 29.0 43.6

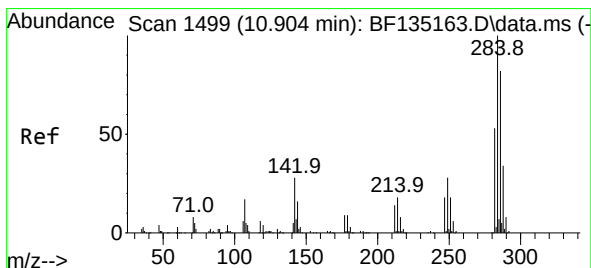
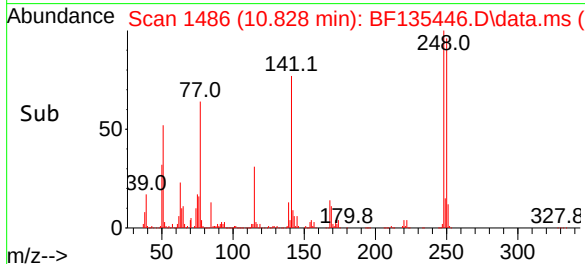
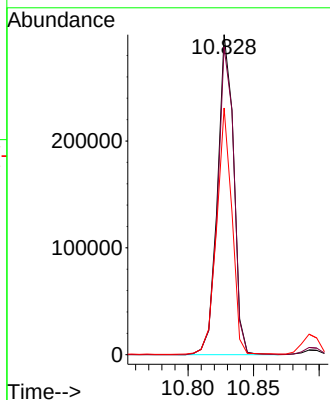
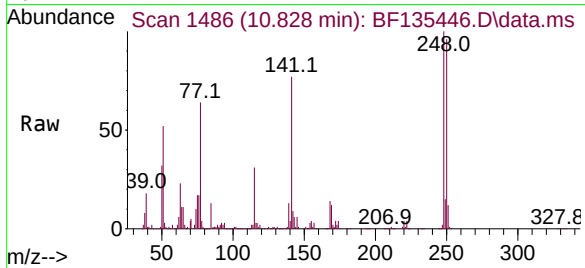




#67  
4-Bromophenyl-phenylether  
Concen: 40.432 ng  
RT: 10.828 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

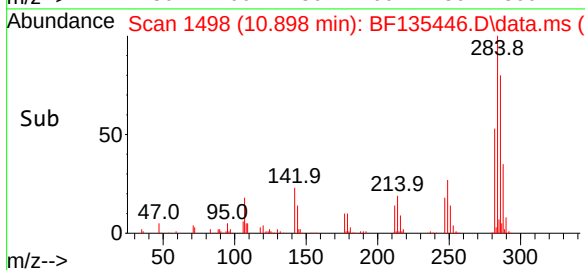
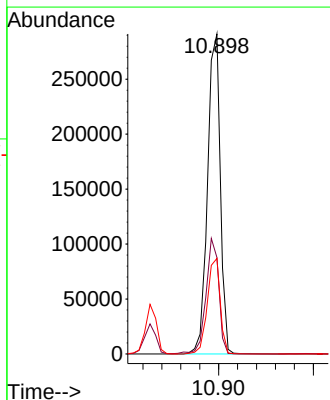
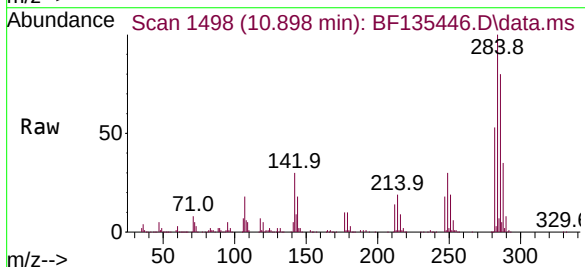
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

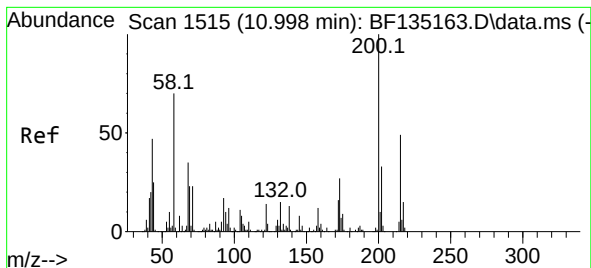
Tgt Ion:248 Resp: 255897  
Ion Ratio Lower Upper  
248 100  
250 96.2 78.6 117.8  
141 77.1 54.2 81.2



#68  
Hexachlorobenzene  
Concen: 42.113 ng  
RT: 10.898 min Scan# 1498  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:284 Resp: 271540  
Ion Ratio Lower Upper  
284 100  
142 30.2 22.2 33.4  
249 29.9 22.5 33.7





#69

Atrazine

Concen: 46.894 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

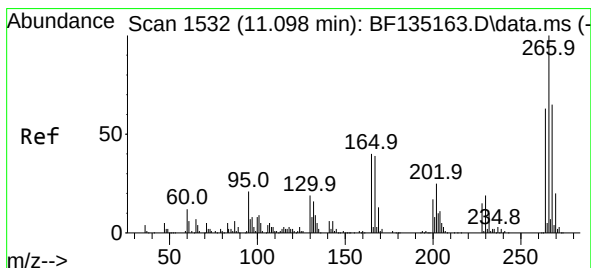
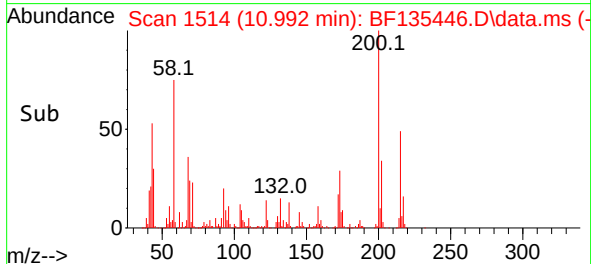
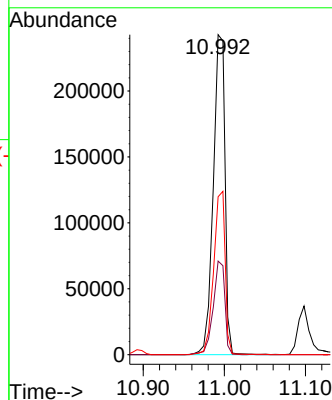
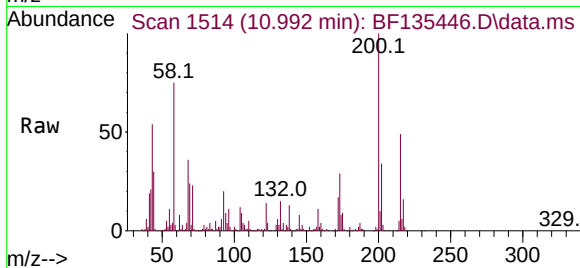
Tgt Ion:200 Resp: 243091

Ion Ratio Lower Upper

200 100

173 29.2 7.4 47.4

215 49.3 28.6 68.6



#70

Pentachlorophenol

Concen: 57.998 ng

RT: 11.098 min Scan# 1532

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

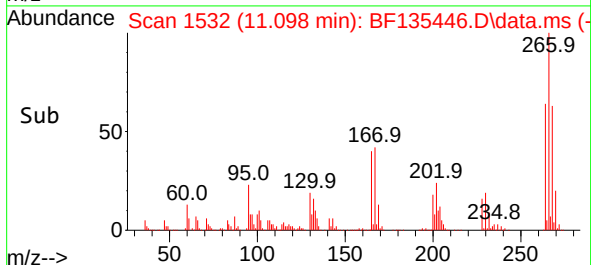
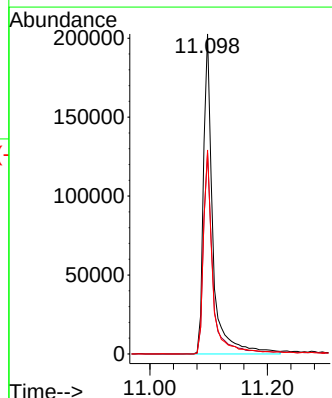
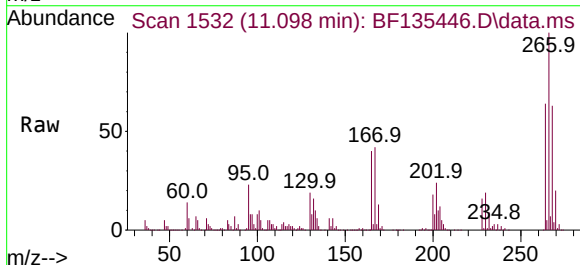
Tgt Ion:266 Resp: 223745

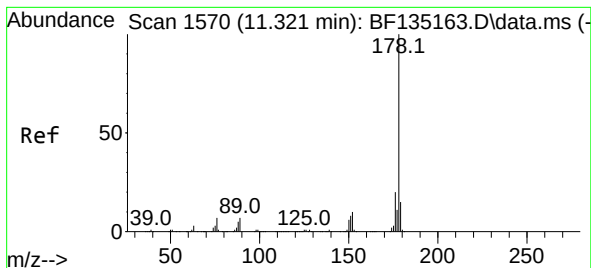
Ion Ratio Lower Upper

266 100

268 62.7 52.1 78.1

264 63.7 50.8 76.2





#71

Phenanthrene

Concen: 41.608 ng

RT: 11.316 min Scan# 1569

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

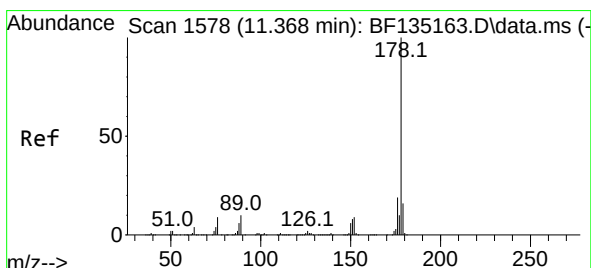
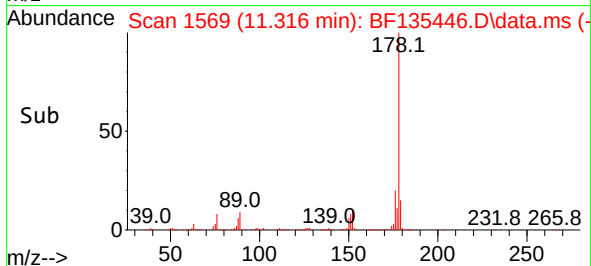
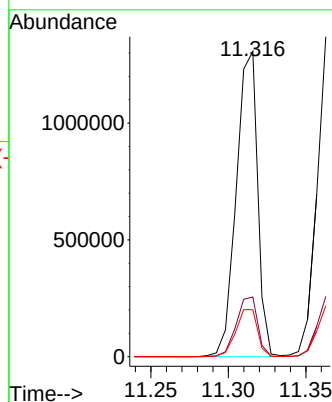
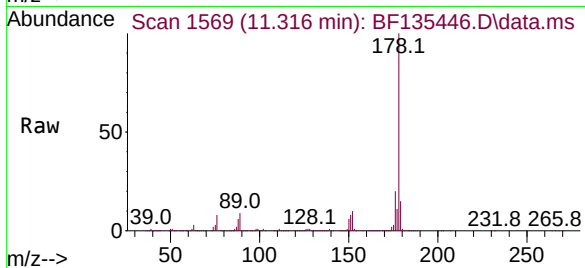
Tgt Ion:178 Resp: 1252281

Ion Ratio Lower Upper

178 100

176 19.5 15.6 23.4

179 15.4 12.0 18.0



#72

Anthracene

Concen: 41.671 ng

RT: 11.363 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

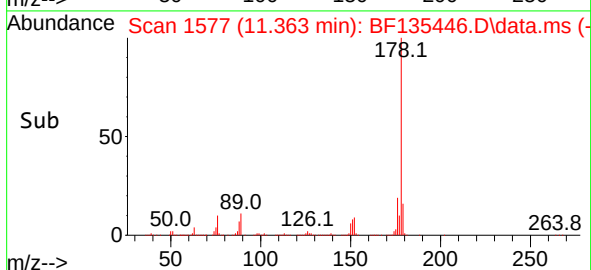
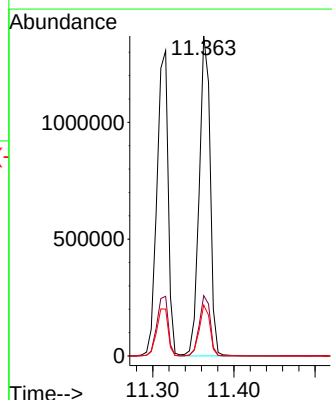
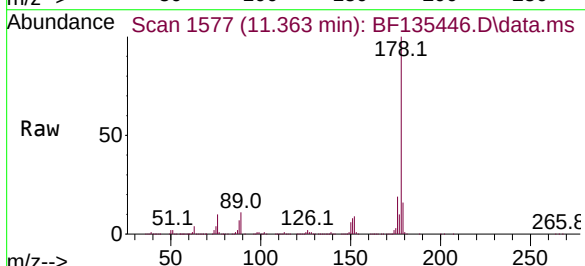
Tgt Ion:178 Resp: 1289179

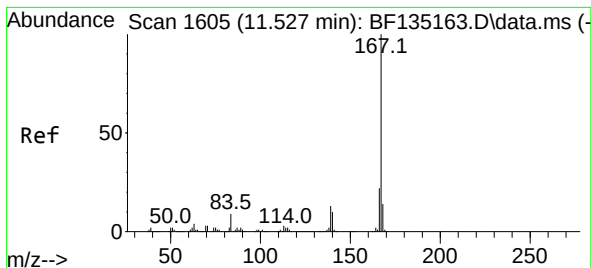
Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

179 15.9 12.6 19.0





#73

Carbazole

Concen: 43.973 ng

RT: 11.528 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

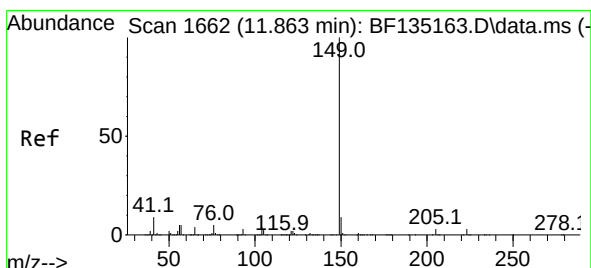
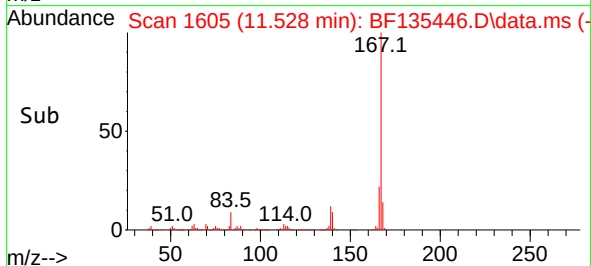
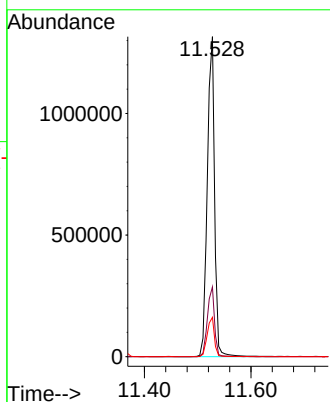
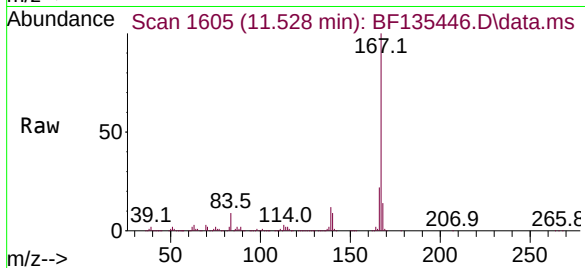
Tgt Ion:167 Resp: 1238399

Ion Ratio Lower Upper

167 100

166 21.8 17.4 26.0

139 12.3 10.6 15.8



#74

Di-n-butylphthalate

Concen: 42.775 ng

RT: 11.857 min Scan# 1661

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

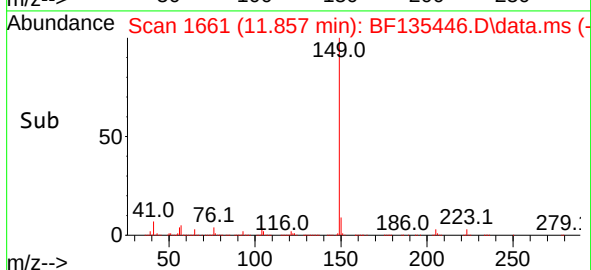
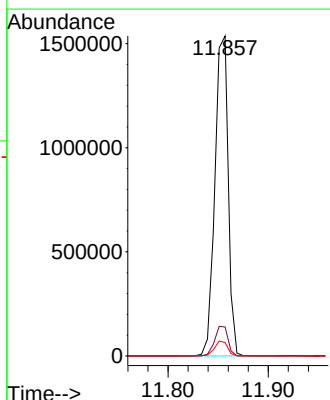
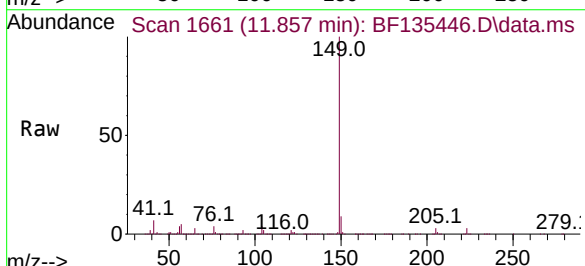
Tgt Ion:149 Resp: 1419513

Ion Ratio Lower Upper

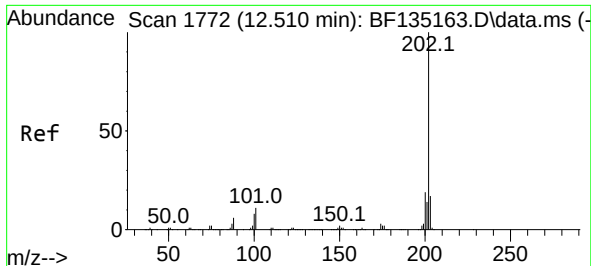
149 100

150 9.0 7.4 11.0

104 4.2 3.6 5.4



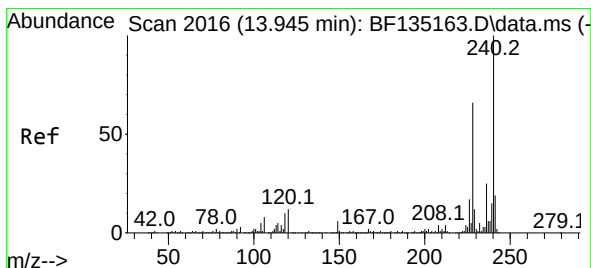
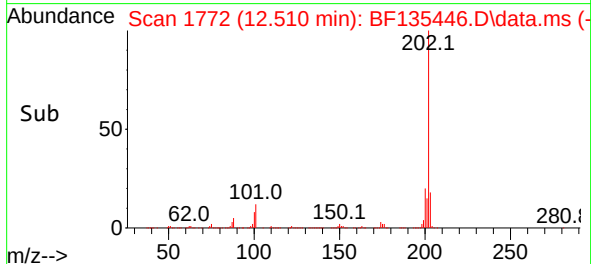
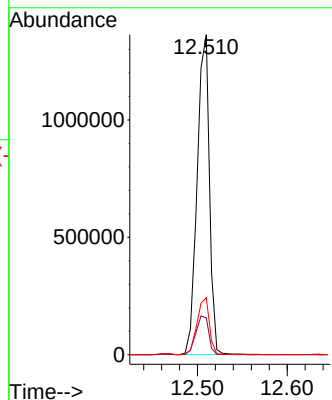
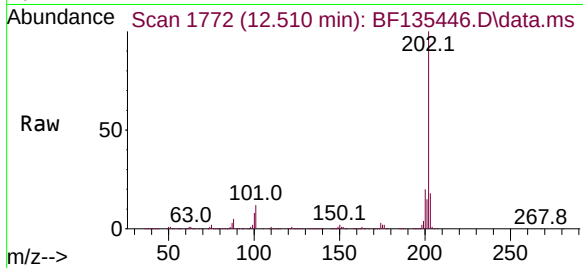




#75  
Fluoranthene  
Concen: 41.211 ng  
RT: 12.510 min Scan# 1772  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

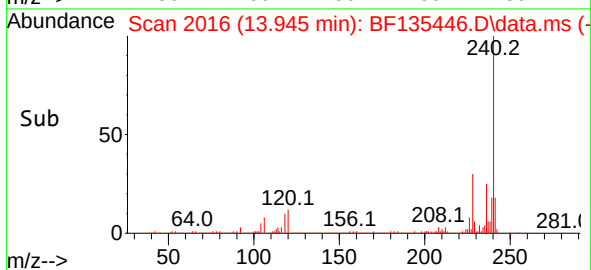
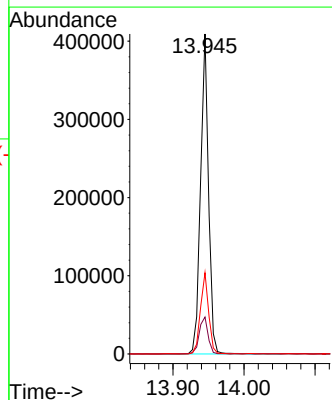
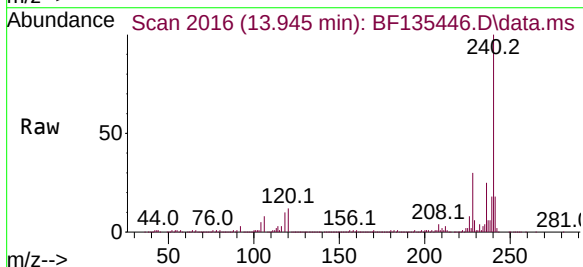
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

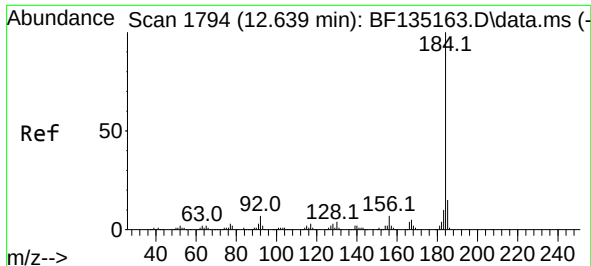
Tgt Ion:202 Resp: 1292419  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 31.3  
203 17.8 0.0 37.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:240 Resp: 320370  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.4 14.2  
236 25.4 19.8 29.8

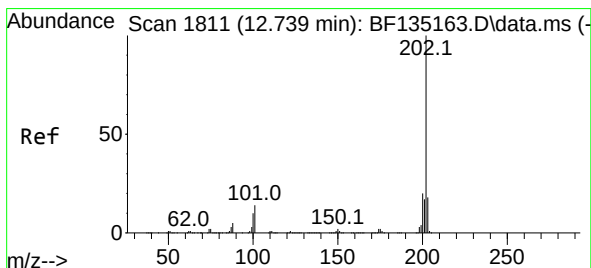
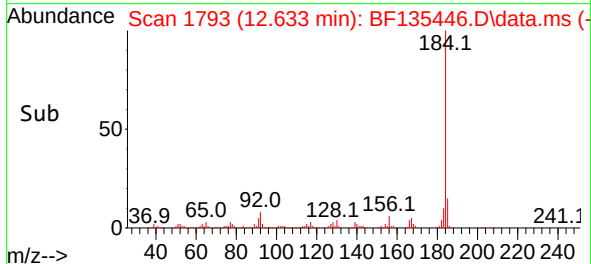
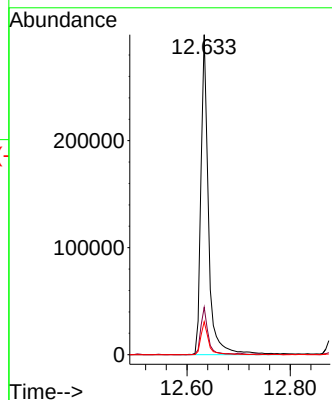
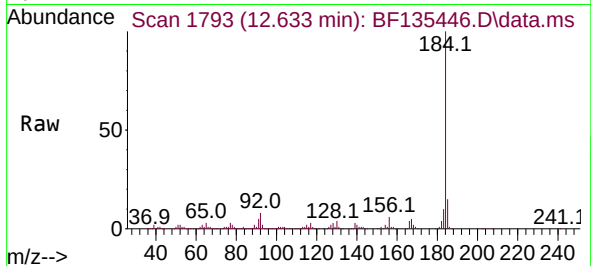




#77  
Benzidine  
Concen: 46.321 ng  
RT: 12.633 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

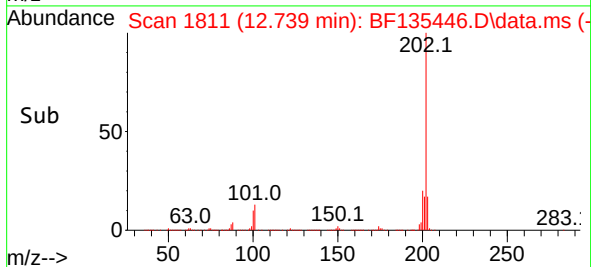
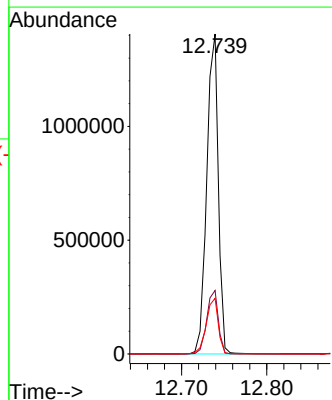
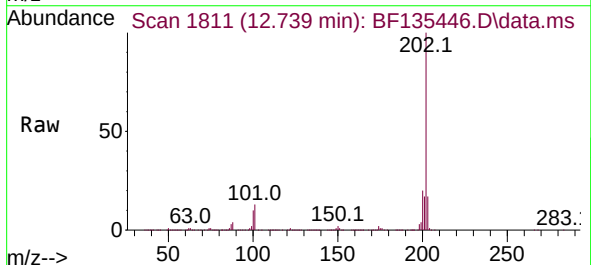
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

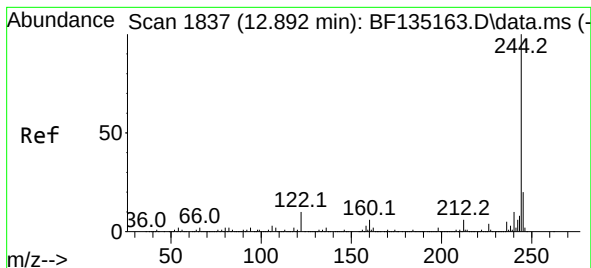
Tgt Ion:184 Resp: 304020  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.7 17.5  
183 10.3 8.2 12.4



#78  
Pyrene  
Concen: 43.281 ng  
RT: 12.739 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:202 Resp: 1320136  
Ion Ratio Lower Upper  
202 100  
200 19.9 16.2 24.2  
203 17.4 14.2 21.4





#79

Terphenyl-d14

Concen: 73.692 ng

RT: 12.880 min Scan# 1835

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

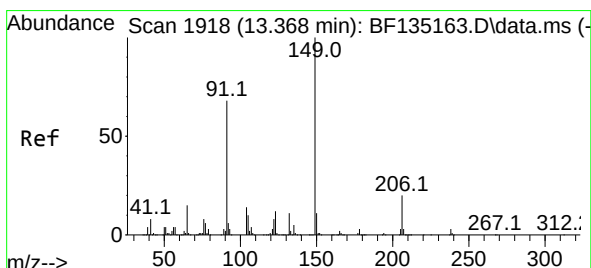
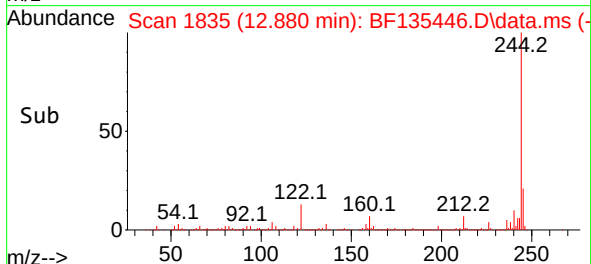
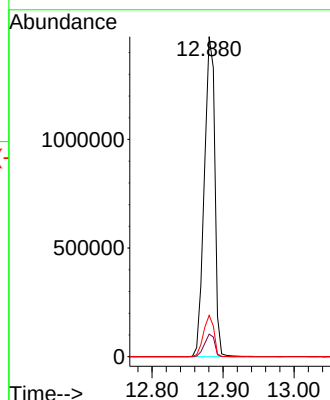
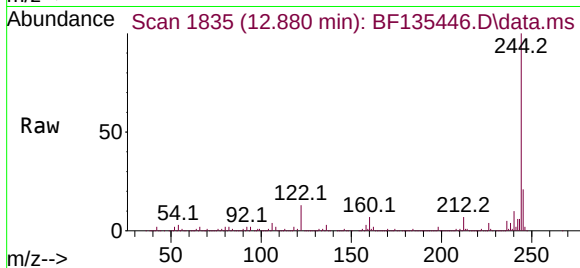
Tgt Ion:244 Resp: 1522957

Ion Ratio Lower Upper

244 100

212 7.0 5.1 7.7

122 12.9 7.9 11.9#



#80

Butylbenzylphthalate

Concen: 47.413 ng

RT: 13.363 min Scan# 1917

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

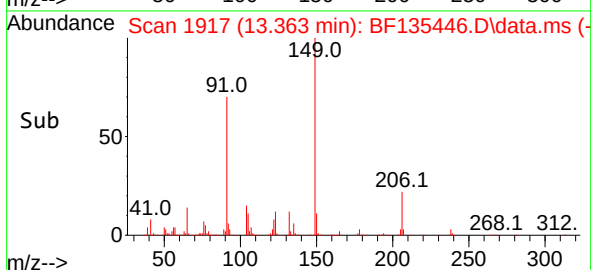
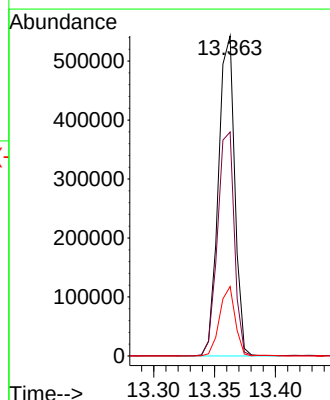
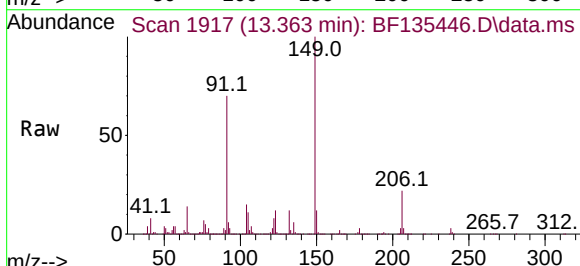
Tgt Ion:149 Resp: 509174

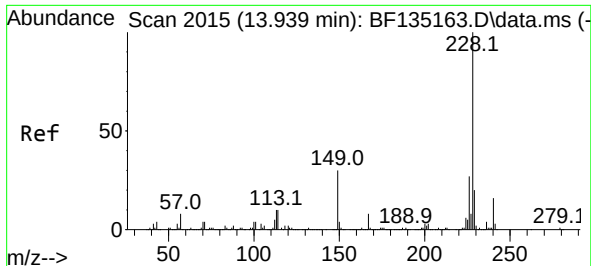
Ion Ratio Lower Upper

149 100

91 70.0 54.7 82.1

206 21.7 16.3 24.5

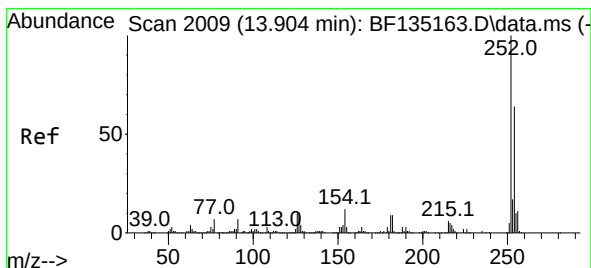
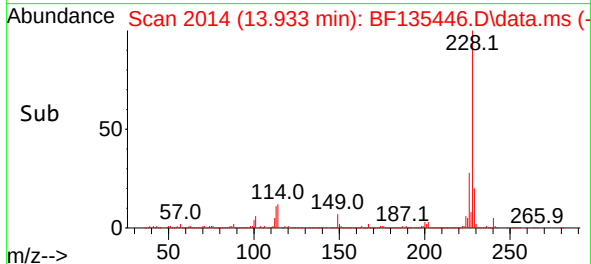
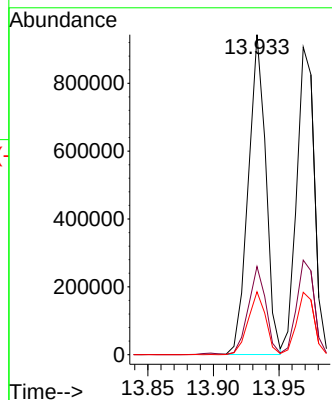
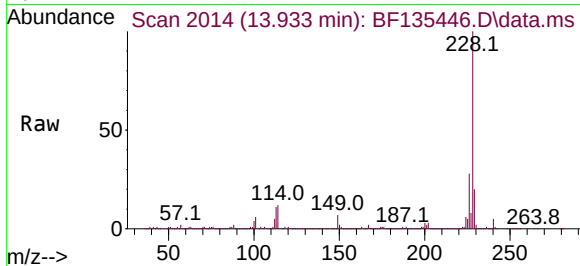




#81  
Benzo(a)anthracene  
Concen: 42.524 ng  
RT: 13.933 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

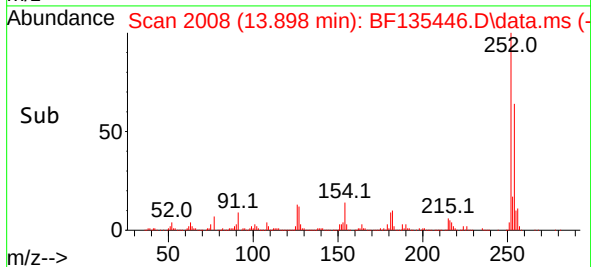
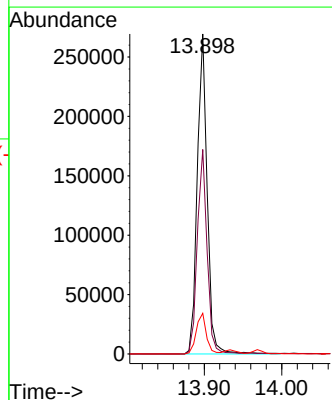
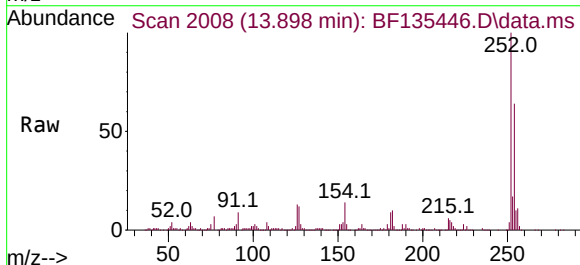
Instrument :  
BNA\_F  
ClientSampleId :  
PB155707BS

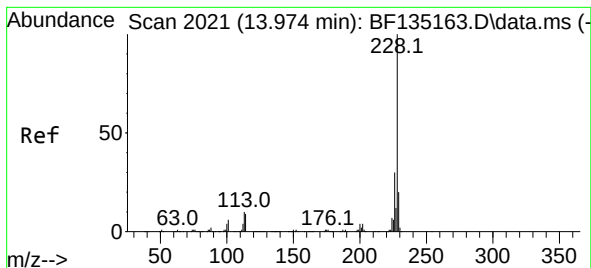
Tgt Ion:228 Resp: 879700  
Ion Ratio Lower Upper  
228 100  
226 27.5 21.7 32.5  
229 19.6 15.8 23.8



#82  
3,3'-Dichlorobenzidine  
Concen: 37.071 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BF135446.D  
Acq: 26 Sep 2023 11:44

Tgt Ion:252 Resp: 239543  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.0 76.4  
126 12.7 7.8 11.8#





#83

Chrysene

Concen: 41.562 ng

RT: 13.969 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

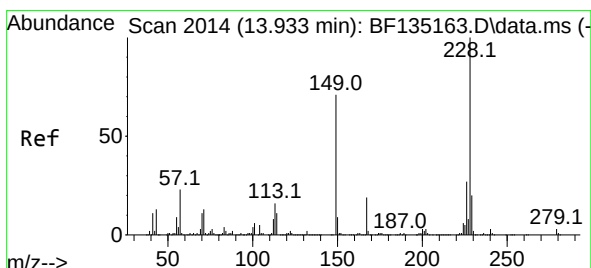
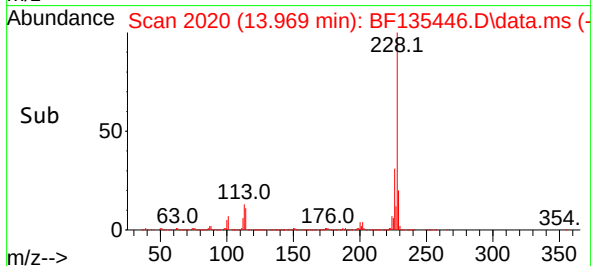
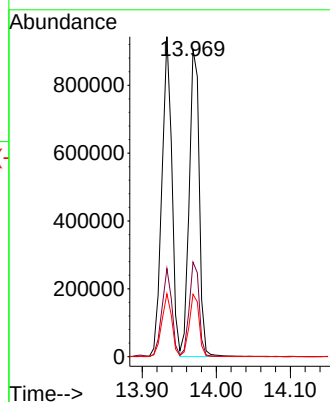
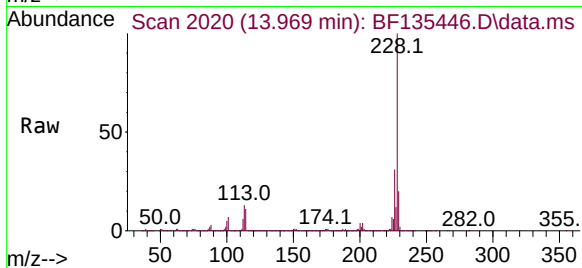
Tgt Ion:228 Resp: 854833

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 20.3 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.518 ng

RT: 13.921 min Scan# 2012

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

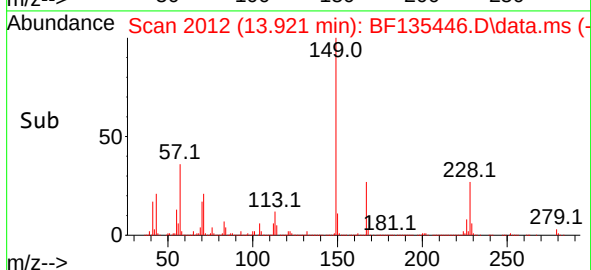
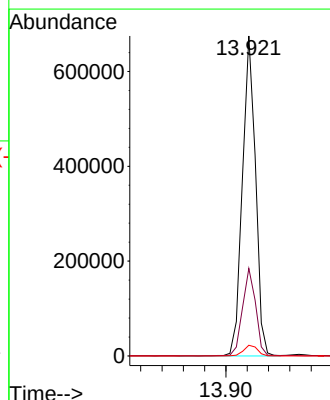
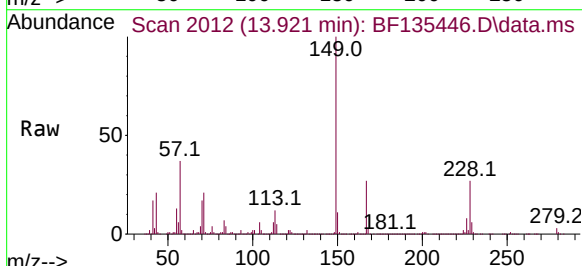
Tgt Ion:149 Resp: 578765

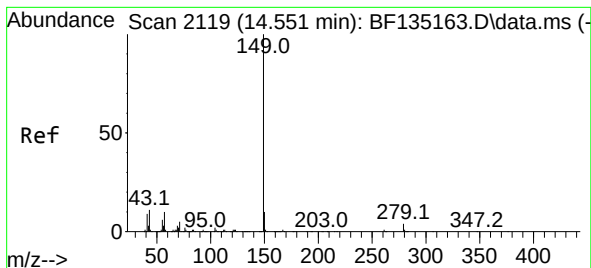
Ion Ratio Lower Upper

149 100

167 27.4 21.9 32.9

279 3.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 49.603 ng

RT: 14.539 min Scan# 2117

Delta R.T. 0.000 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

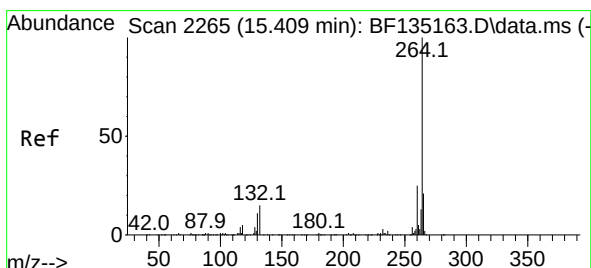
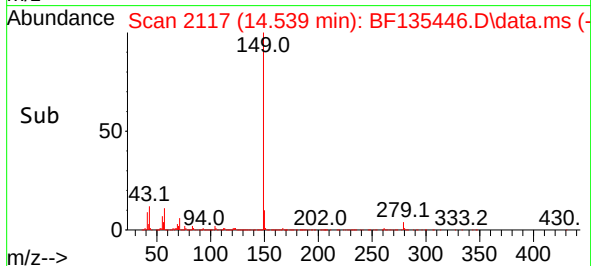
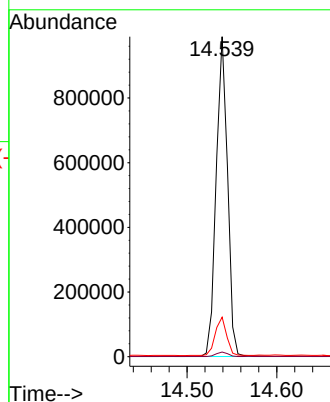
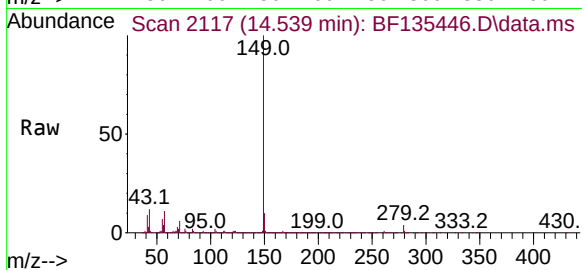
Tgt Ion:149 Resp: 868711

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 12.2 9.8 14.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

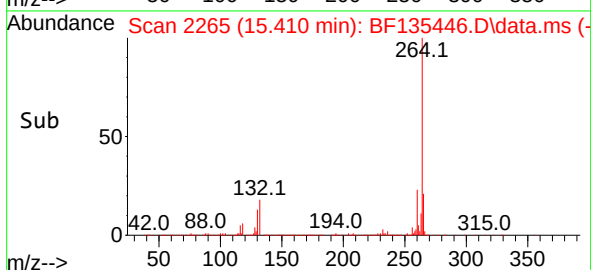
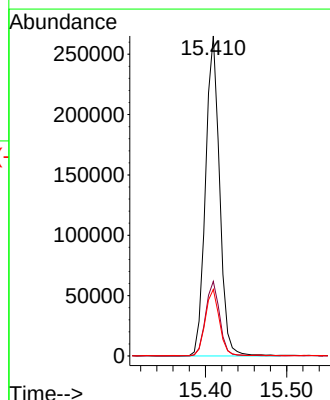
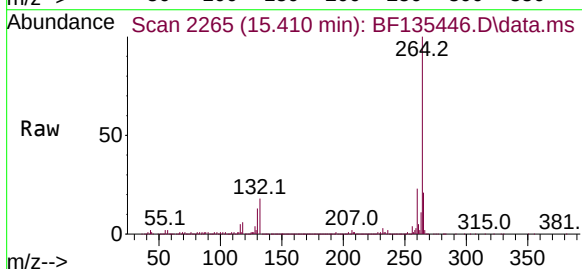
Tgt Ion:264 Resp: 318112

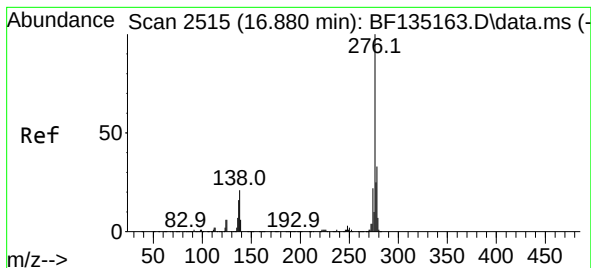
Ion Ratio Lower Upper

264 100

260 23.3 19.8 29.6

265 20.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 45.608 ng

RT: 16.898 min Scan# 2118

Delta R.T. 0.012 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

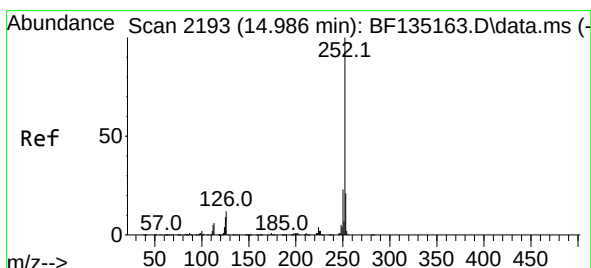
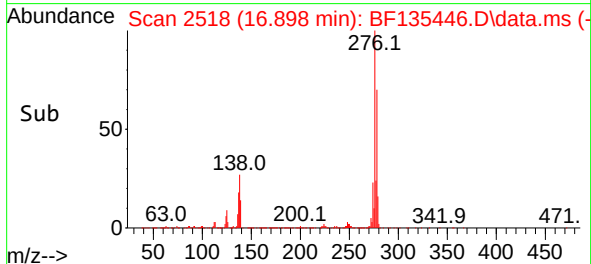
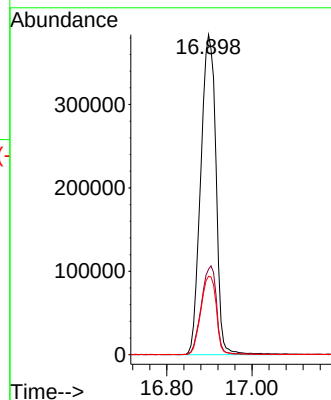
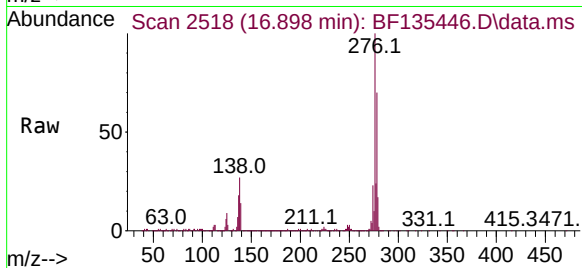
Tgt Ion:276 Resp: 951261

Ion Ratio Lower Upper

276 100

138 27.5 19.2 28.8

277 24.9 19.7 29.5



#88

Benzo(b)fluoranthene

Concen: 40.442 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.035 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

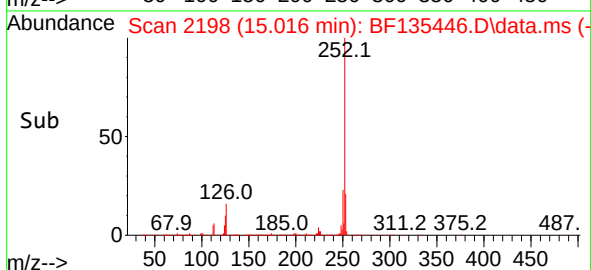
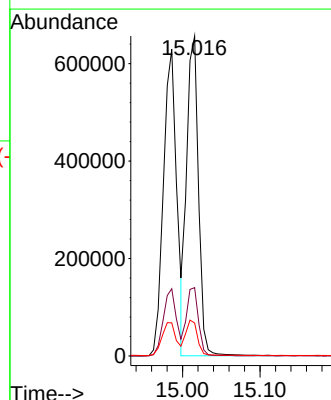
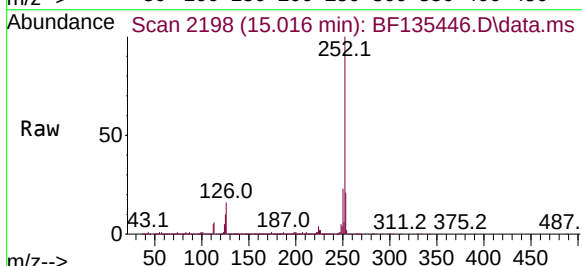
Tgt Ion:252 Resp: 696432

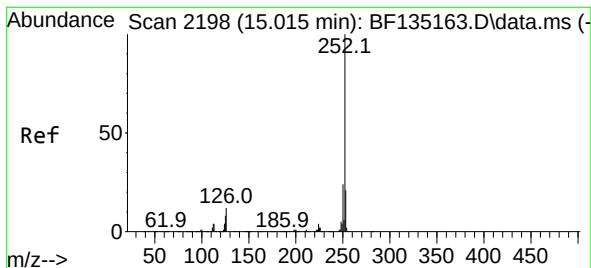
Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 10.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 40.940 ng

RT: 15.016 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

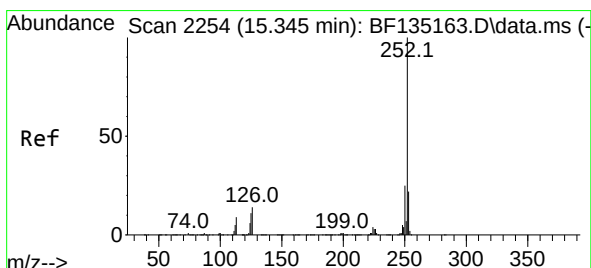
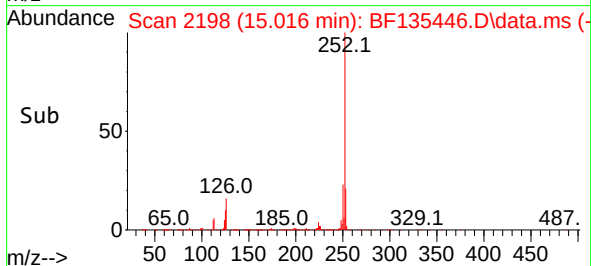
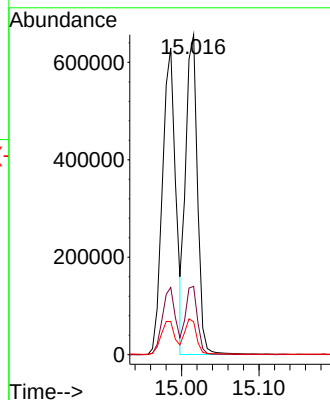
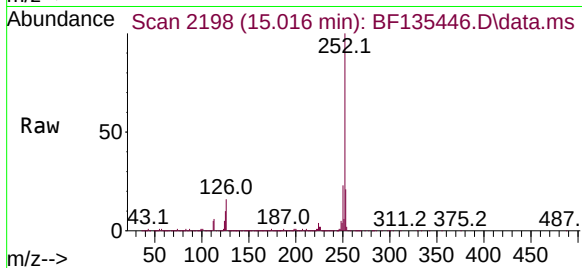
Tgt Ion:252 Resp: 696432

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 10.3 7.2 10.8



#90

Benzo(a)pyrene

Concen: 41.778 ng

RT: 15.351 min Scan# 2255

Delta R.T. 0.006 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

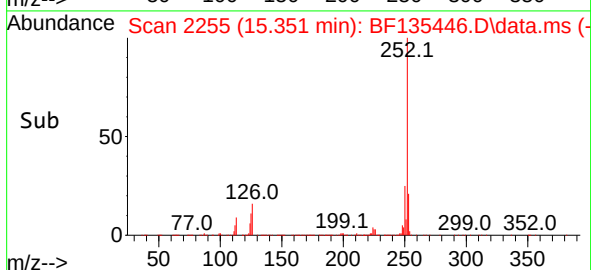
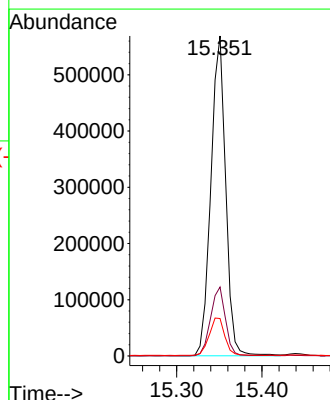
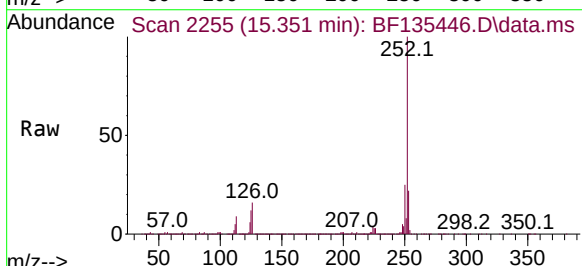
Tgt Ion:252 Resp: 686075

Ion Ratio Lower Upper

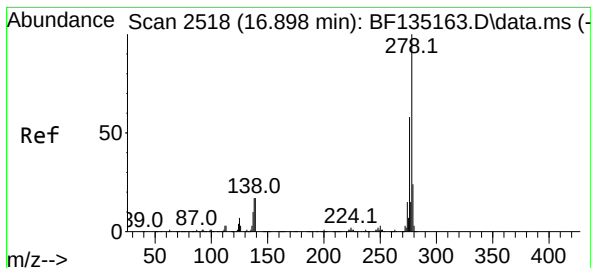
252 100

253 21.5 17.5 26.3

125 11.7 9.2 13.8







#91

Dibenzo(a,h)anthracene

Concen: 44.399 ng

RT: 16.910 min Scan# 2520

Delta R.T. 0.012 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Instrument :

BNA\_F

ClientSampleId :

PB155707BS

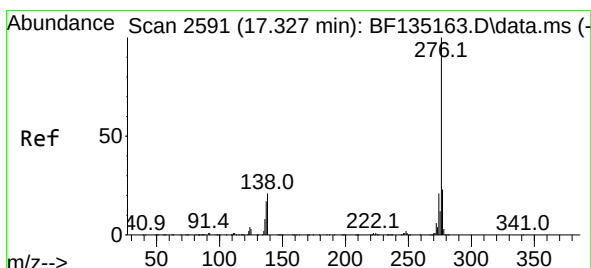
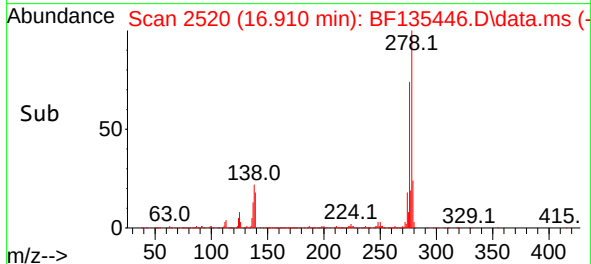
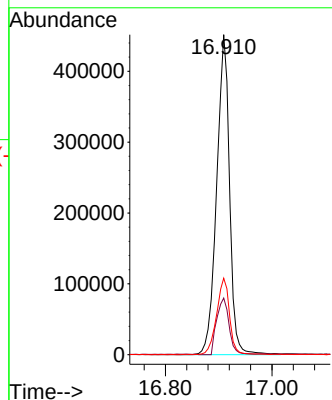
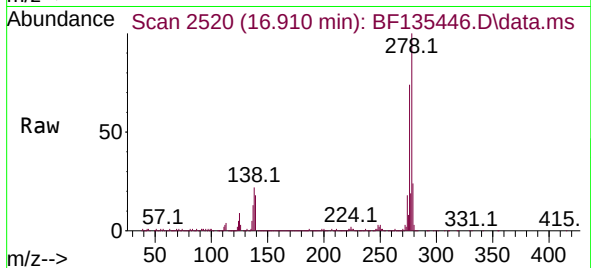
Tgt Ion:278 Resp: 757705

Ion Ratio Lower Upper

278 100

139 17.7 13.4 20.0

279 23.9 19.0 28.6



#92

Benzo(g,h,i)perylene

Concen: 45.282 ng

RT: 17.345 min Scan# 2594

Delta R.T. 0.012 min

Lab File: BF135446.D

Acq: 26 Sep 2023 11:44

Tgt Ion:276 Resp: 807063

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 24.1 16.9 25.3

