

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050421\  
 Data File : BF123811.D  
 Acq On : 4 May 2021 16:37  
 Operator : JU/CG  
 Sample : M2202-02MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 290MSD

Quant Time: May 04 17:18:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 04 12:58:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 234892   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.086  | 136  | 904596   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 458301   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.327 | 188  | 878543   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.974 | 240  | 632523   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.427 | 264  | 523165   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.440  | 112  | 1751213  | 118.11 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.445  | 99   | 2120557  | 103.83 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 1789127  | 89.28  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.639 | 330  | 765877   | 134.24 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.169  | 172  | 2753270  | 87.49  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.921 | 244  | 3077781  | 93.70  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.657  | 88   | 299539   | 37.50  | ng    | # 81     |
| 3) Pyridine                   | 3.363  | 79   | 655340   | 33.57  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.293  | 42   | 483085   | 44.93  | ng    | 90       |
| 6) Aniline                    | 6.463  | 93   | 388105   | 16.43  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.592  | 128  | 758253   | 47.54  | ng    | 99       |
| 9) Benzaldehyde               | 6.351  | 77   | 532992   | 53.92  | ng    | 99       |
| 10) Phenol                    | 6.463  | 94   | 888756   | 40.51  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.539  | 93   | 812411   | 50.72  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.745  | 146  | 720212   | 44.69  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.822  | 146  | 729974   | 44.77  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 702096   | 44.35  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 778461   | 48.62  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 1677116  | 49.23  | ng    | 95       |
| 17) 2-Methylphenol            | 7.069  | 107  | 652334   | 48.00  | ng    | 98       |
| 18) Hexachloroethane          | 7.316  | 117  | 297497   | 46.10  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 599627   | 47.55  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 757877   | 43.82  | ng    | # 75     |
| 22) Acetophenone              | 7.216  | 105  | 1163097  | 47.30  | ng    | 95       |
| 24) Nitrobenzene              | 7.386  | 77   | 924234   | 44.28  | ng    | 97       |
| 25) Isophorone                | 7.628  | 82   | 1685118  | 44.85  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.704  | 139  | 409753   | 48.10  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 687962   | 51.41  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 980197   | 51.19  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 606706   | 46.01  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 629290   | 45.54  | ng    | 99       |
| 31) Naphthalene               | 8.110  | 128  | 2106250  | 45.21  | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 472617   | 51.05  | ng    | 95       |
| 33) 4-Chloroaniline           | 8.157  | 127  | 174379   | 8.97   | ng    | 94       |
| 34) Hexachlorobutadiene       | 8.228  | 225  | 381680   | 45.31  | ng    | 97       |
| 35) Caprolactam               | 8.533  | 113  | 86469    | 18.68  | ng    | # 89     |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 783702   | 47.63  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.804  | 142  | 1414894  | 46.61  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 1322522  | 46.35  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.969  | 216  | 623955   | 46.26  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.957  | 237  | 637187   | 108.15 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.080  | 196  | 435554   | 46.88  | ng    | 97       |

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 ALS Vial : 10 Sample Multiplier: 1

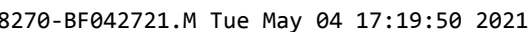
Instrument :  
 BNA\_F  
 ClientSampleId :  
 290MSD

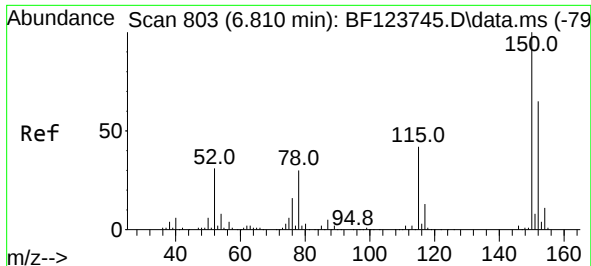
Quant Time: May 04 17:18:55 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF042721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 04 12:58:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 471750   | 47.33  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.269  | 154  | 1747686  | 46.55  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.292  | 162  | 1299977  | 45.92  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 582001   | 46.67  | ng    | 95       |
| 49) Acenaphthylene            | 9.710  | 152  | 2125976  | 46.52  | ng    | 99       |
| 50) Dimethylphthalate         | 9.575  | 163  | 1603417  | 49.67  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 346381   | 46.41  | ng    | 89       |
| 52) Acenaphthene              | 9.880  | 154  | 1281651  | 46.03  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 161812   | 18.15  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 426516   | 107.61 | ng    | 96       |
| 55) Dibenzofuran              | 10.051 | 168  | 1881239  | 44.67  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.980  | 139  | 555219   | 85.52  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 470920   | 46.28  | ng    | 94       |
| 58) Fluorene                  | 10.392 | 166  | 1478240  | 45.68  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 377703   | 47.86  | ng    | 97       |
| 60) Diethylphthalate          | 10.275 | 149  | 1696875  | 49.39  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 710739   | 47.13  | ng    | 96       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 395509   | 44.78  | ng    | 98       |
| 63) Azobenzene                | 10.545 | 77   | 1805867  | 45.72  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 262027   | 48.14  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 1352529  | 47.06  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.874 | 248  | 451586   | 48.81  | ng    | 96       |
| 68) Hexachlorobenzene         | 10.945 | 284  | 511536   | 48.58  | ng    | 95       |
| 69) Atrazine                  | 11.039 | 200  | 431634   | 49.68  | ng    | 98       |
| 70) Pentachlorophenol         | 11.139 | 266  | 558875   | 104.13 | ng    | 98       |
| 71) Phenanthrene              | 11.357 | 178  | 2117334  | 45.95  | ng    | 99       |
| 72) Anthracene                | 11.410 | 178  | 2193634  | 47.88  | ng    | 100      |
| 73) Carbazole                 | 11.563 | 167  | 2083517  | 44.99  | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.892 | 149  | 2673615  | 51.43  | ng    | 100      |
| 75) Fluoranthene              | 12.545 | 202  | 2325097  | 46.26  | ng    | 99       |
| 77) Benzidine                 | 12.668 | 184  | 1231969  | 75.21  | ng    | 98       |
| 78) Pyrene                    | 12.774 | 202  | 2359428  | 48.06  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.398 | 149  | 1124062  | 53.59  | ng    | 93       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 1765672  | 46.06  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.921 | 252  | 216212   | 18.37  | ng    | # 96     |
| 83) Chrysene                  | 14.004 | 228  | 1780937  | 46.18  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 1474758  | 56.60  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 2373655  | 56.97  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.880 | 276  | 1763365  | 57.87  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.009 | 252  | 1672252  | 47.43  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 1515345  | 45.04  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.368 | 252  | 1496197  | 49.63  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.892 | 278  | 1481363  | 57.59  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.315 | 276  | 1521413  | 59.05  | ng    | 95       |

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

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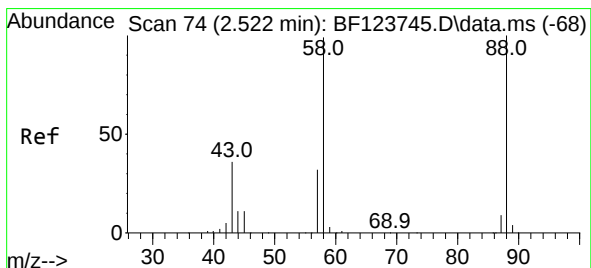
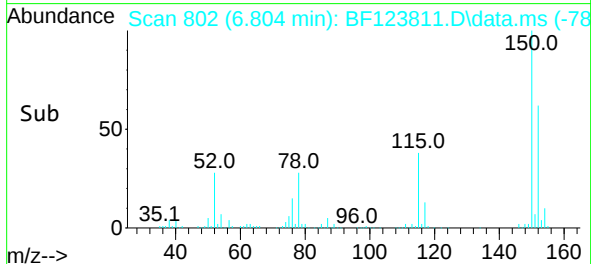
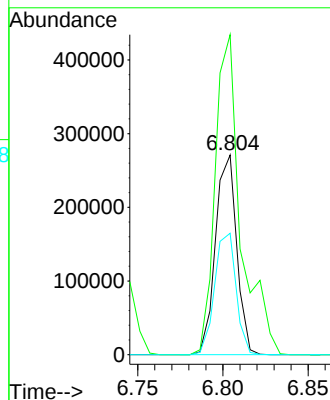
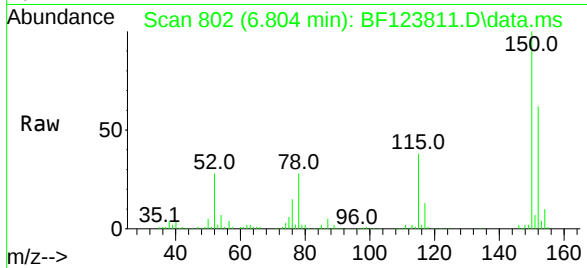




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.804 min Scan# 802  
 Delta R.T. 0.000 min  
 Lab File: BF123811.D  
 Acq: 4 May 2021 16:37

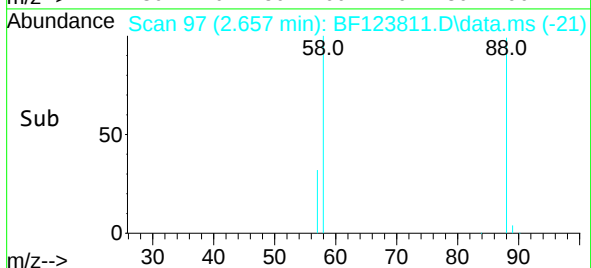
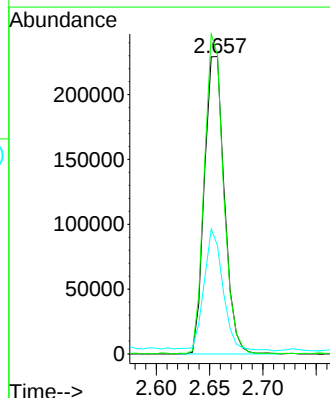
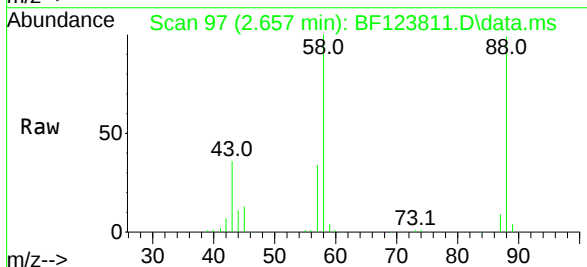
Instrument :  
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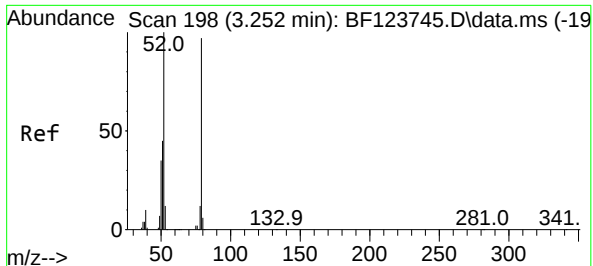
Tgt Ion:152 Resp: 234892  
 Ion Ratio Lower Upper  
 152 100  
 150 160.2 127.0 190.6  
 115 60.8 54.3 81.5



#2  
 1,4-Dioxane  
 Concen: 37.50 ng  
 RT: 2.657 min Scan# 97  
 Delta R.T. 0.147 min  
 Lab File: BF123811.D  
 Acq: 4 May 2021 16:37

Tgt Ion: 88 Resp: 299539  
 Ion Ratio Lower Upper  
 88 100  
 58 103.1 83.8 125.8  
 43 0.0 32.2 48.4#

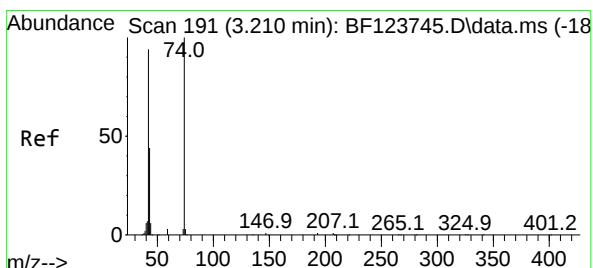
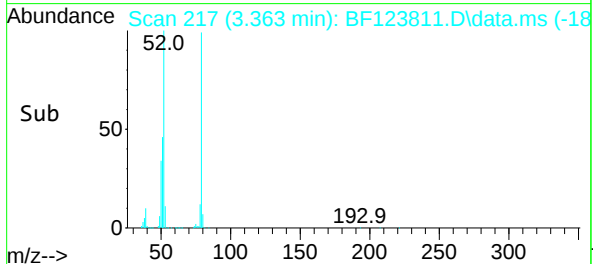
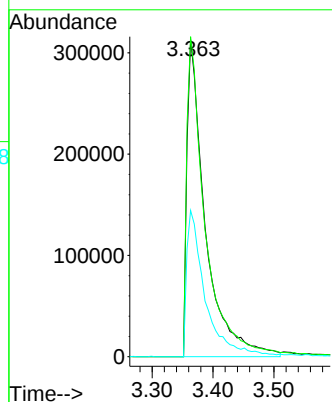
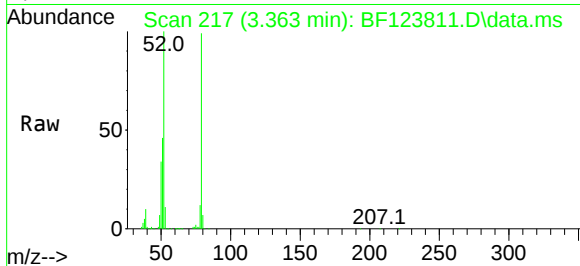




#3  
Pyridine  
Concen: 33.57 ng  
RT: 3.363 min Scan# 217  
Delta R.T. 0.118 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

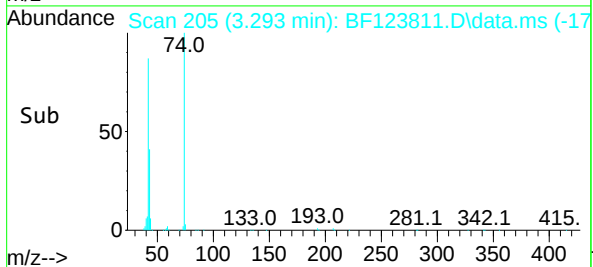
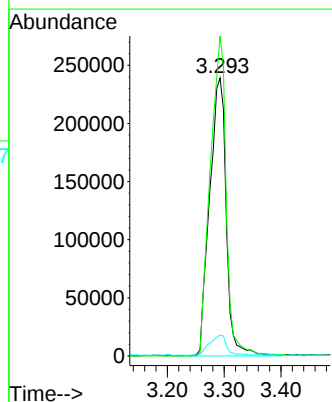
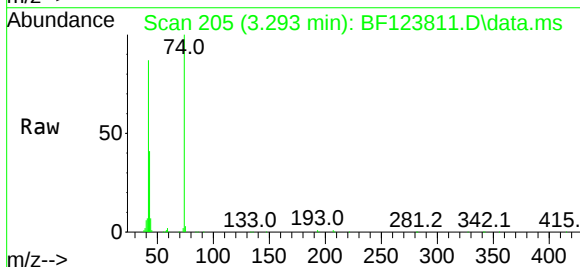
Instrument :  
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ClientSampleId :  
290MSD

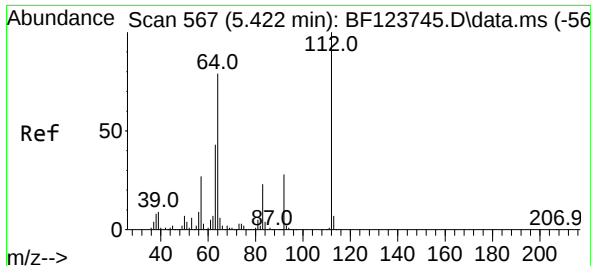
Tgt Ion: 79 Resp: 655340  
Ion Ratio Lower Upper  
79 100  
52 100.9 87.4 131.0  
51 46.1 41.4 62.0



#4  
n-Nitrosodimethylamine  
Concen: 44.93 ng  
RT: 3.293 min Scan# 205  
Delta R.T. 0.094 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 42 Resp: 483085  
Ion Ratio Lower Upper  
42 100  
74 115.2 83.5 125.3  
44 7.5 5.7 8.5

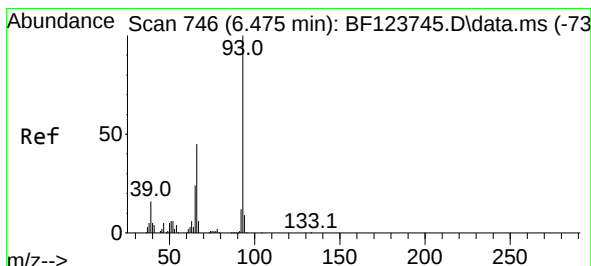
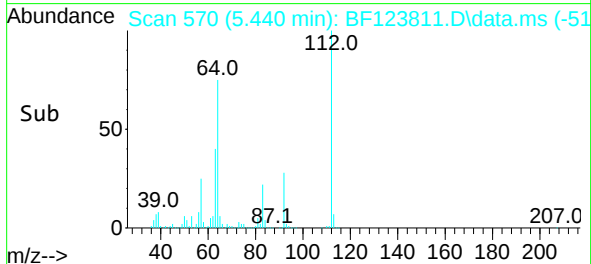
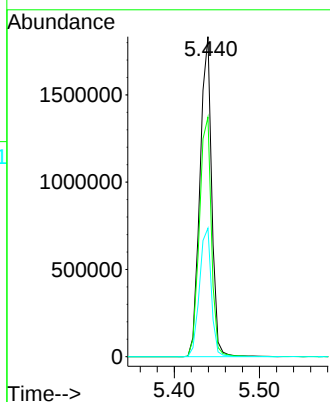
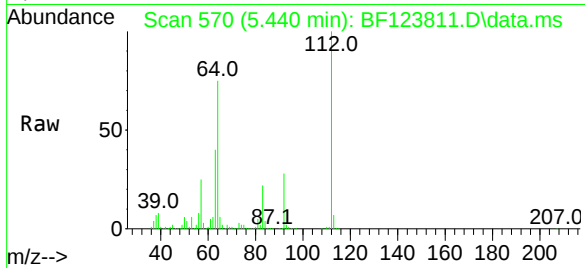




#5  
2-Fluorophenol  
Concen: 118.11 ng  
RT: 5.440 min Scan# 570  
Delta R.T. 0.018 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

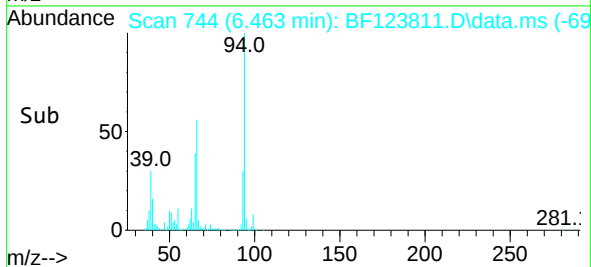
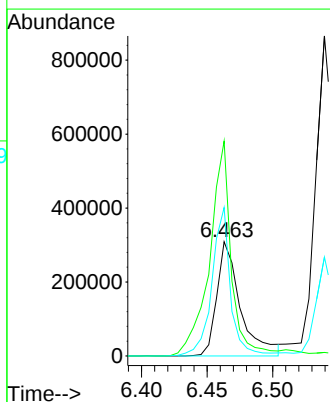
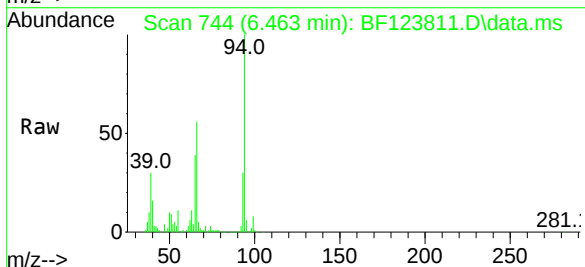
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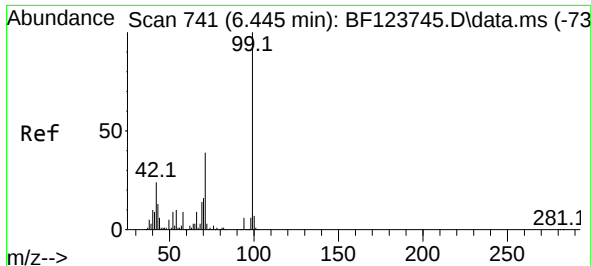
Tgt Ion:112 Resp: 1751213  
Ion Ratio Lower Upper  
112 100  
64 74.8 61.4 92.0  
63 40.1 33.0 49.4



#6  
Aniline  
Concen: 16.43 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 93 Resp: 388105  
Ion Ratio Lower Upper  
93 100  
66 188.2 36.4 54.6#  
65 130.0 19.4 29.0#

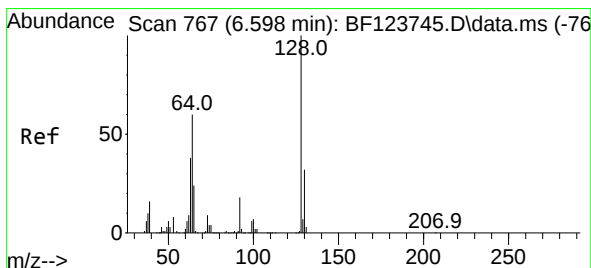
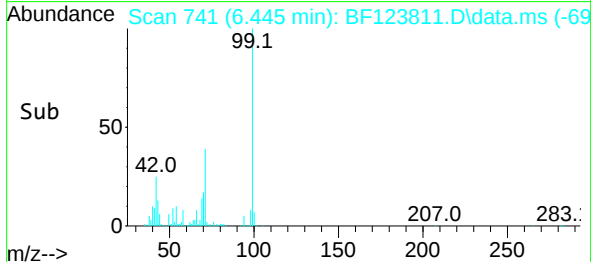
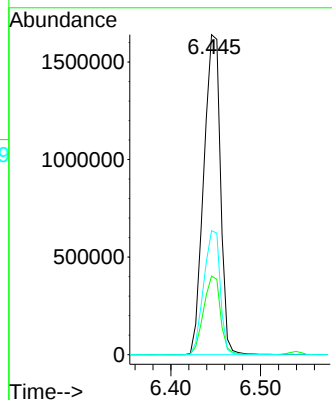
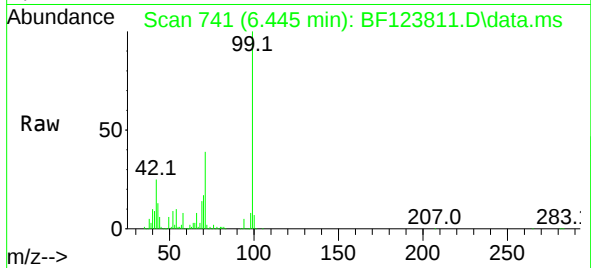




#7  
Phenol-d6  
Concen: 103.83 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

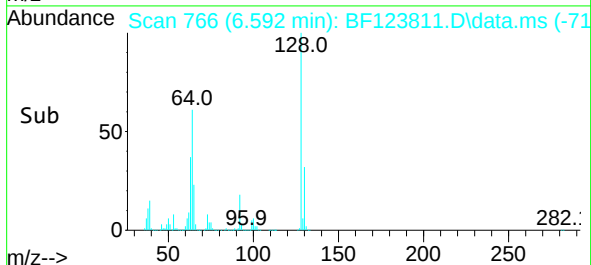
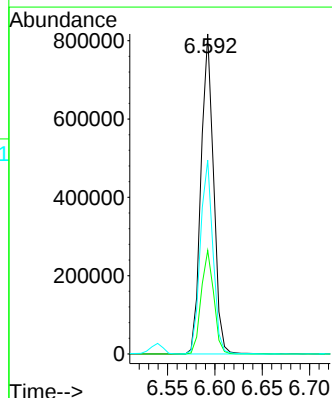
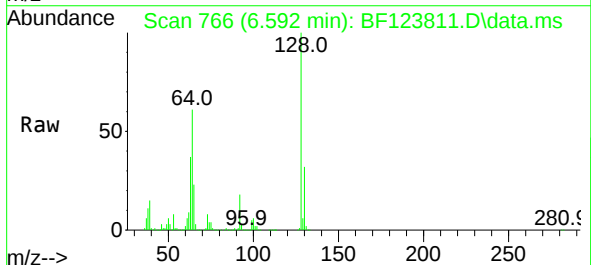
Instrument :  
BNA\_F  
ClientSampleId :  
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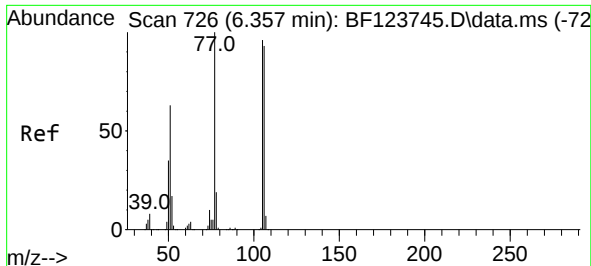
Tgt Ion: 99 Resp: 2120557  
Ion Ratio Lower Upper  
99 100  
42 24.6 19.8 29.8  
71 38.8 31.1 46.7



#8  
2-Chlorophenol  
Concen: 47.54 ng  
RT: 6.592 min Scan# 766  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:128 Resp: 758253  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.6 52.6  
64 60.5 41.5 81.5

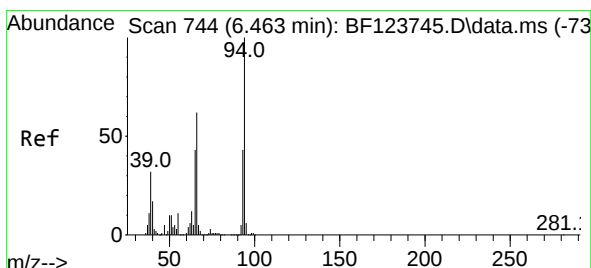
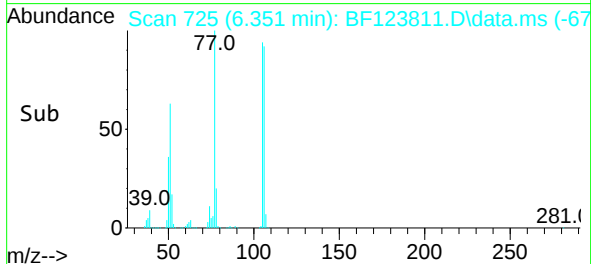
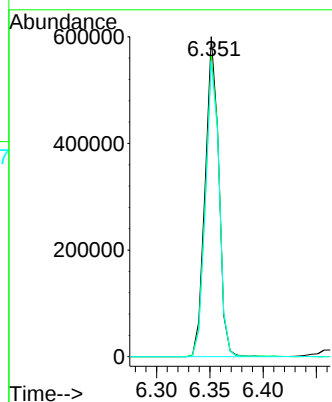
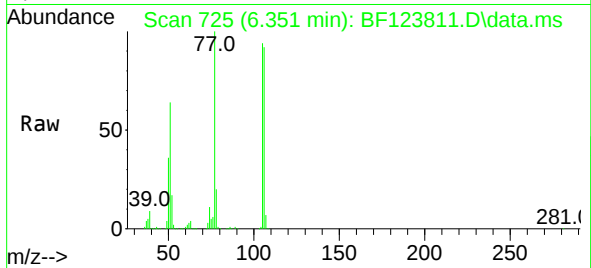




#9  
Benzaldehyde  
Concen: 53.92 ng  
RT: 6.351 min Scan# 725  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

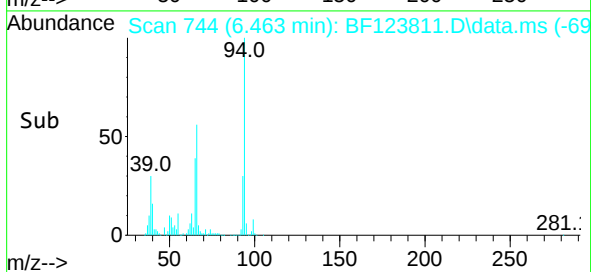
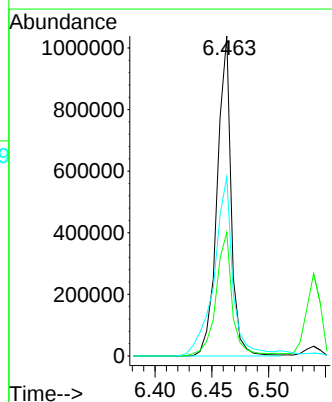
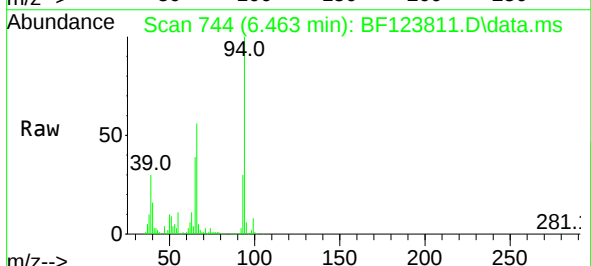
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

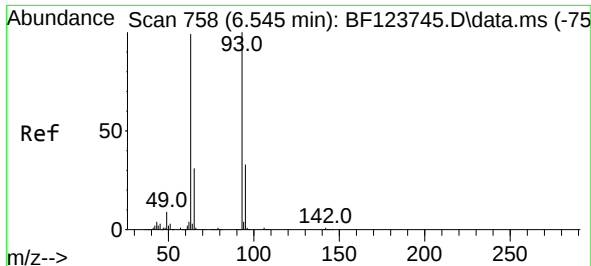
Tgt Ion: 77 Resp: 532992  
Ion Ratio Lower Upper  
77 100  
105 93.9 75.2 115.2  
106 92.4 71.6 111.6



#10  
Phenol  
Concen: 40.51 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 94 Resp: 888756  
Ion Ratio Lower Upper  
94 100  
65 38.6 18.1 58.1  
66 55.9 29.0 69.0

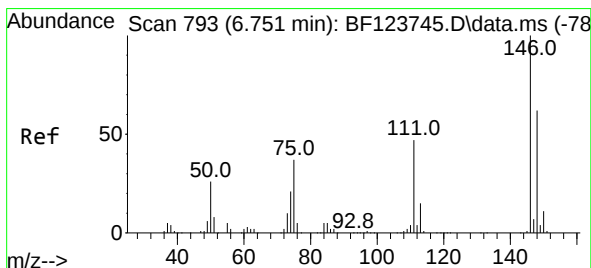
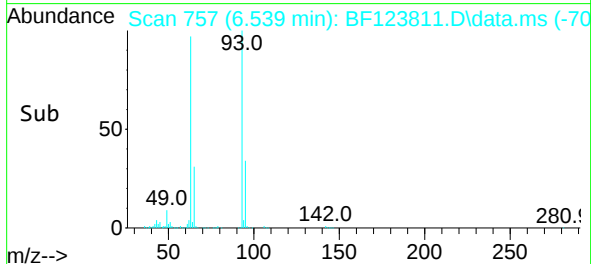
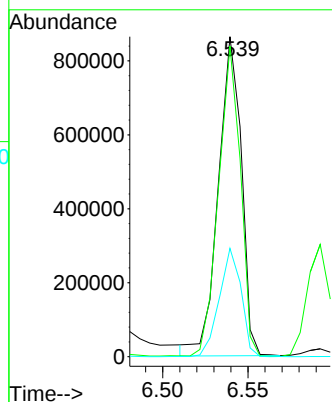
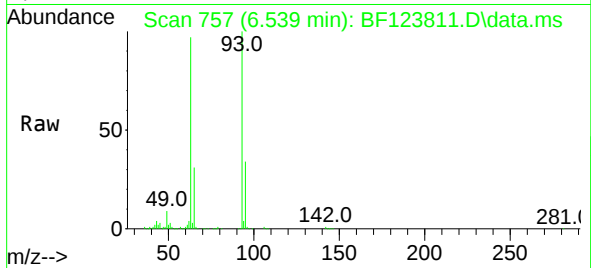




#11  
bis(2-Chloroethyl)ether  
Concen: 50.72 ng  
RT: 6.539 min Scan# 757  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

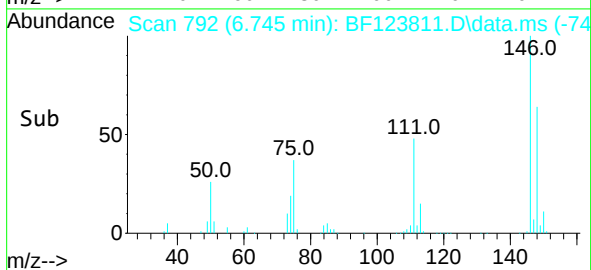
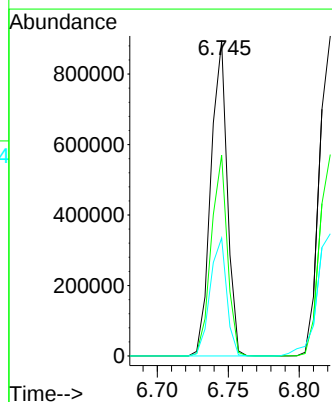
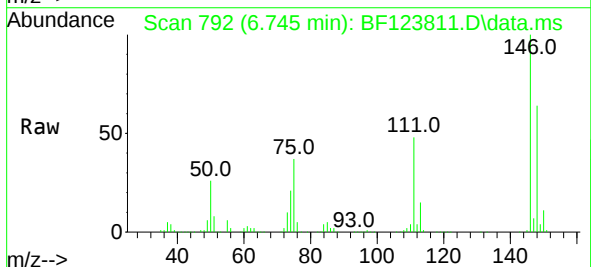
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

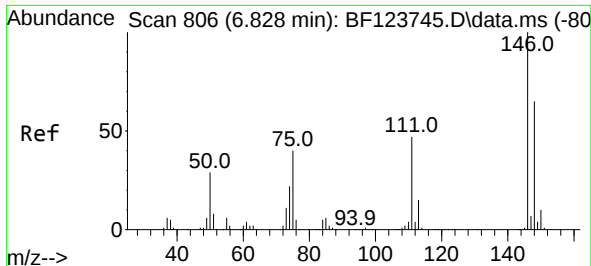
Tgt Ion: 93 Resp: 812411  
Ion Ratio Lower Upper  
93 100  
63 97.1 76.1 116.1  
95 33.9 11.5 51.5



#12  
1,3-Dichlorobenzene  
Concen: 44.69 ng  
RT: 6.745 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 146 Resp: 720212  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.9 76.3  
75 37.4 34.2 51.4





#13

1,4-Dichlorobenzene

Concen: 44.77 ng

RT: 6.822 min Scan# 805

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

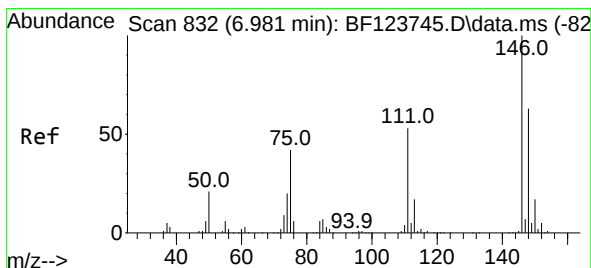
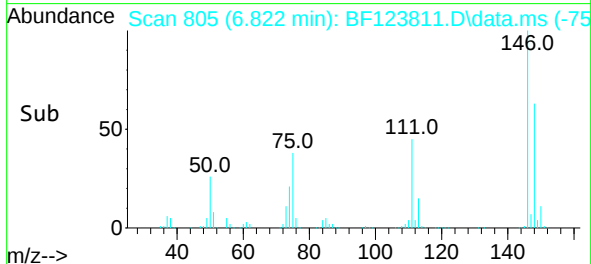
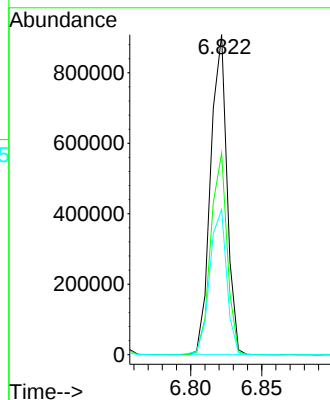
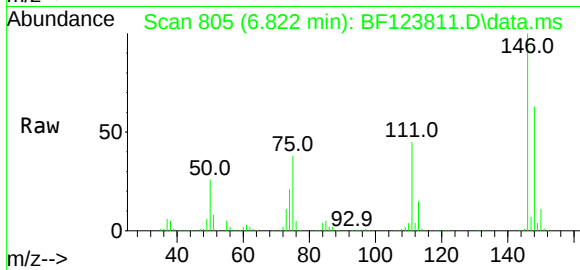
Tgt Ion:146 Resp: 729974

Ion Ratio Lower Upper

146 100

148 63.0 49.9 74.9

111 45.3 39.5 59.3



#14

1,2-Dichlorobenzene

Concen: 44.35 ng

RT: 6.975 min Scan# 831

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

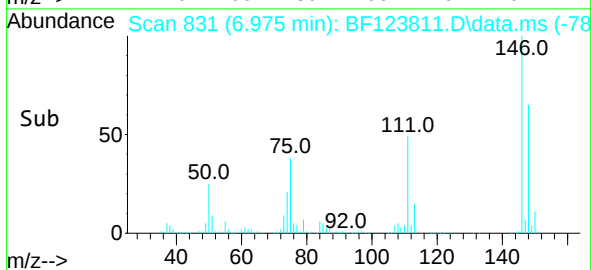
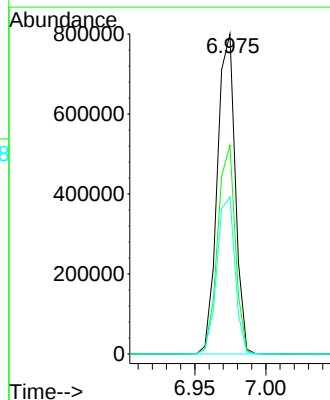
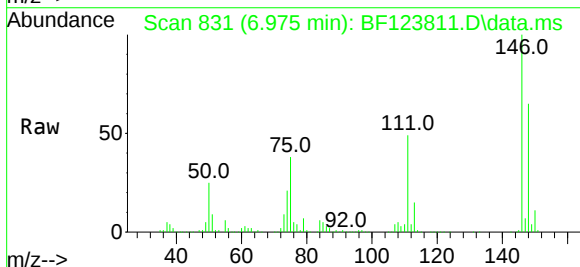
Tgt Ion:146 Resp: 702096

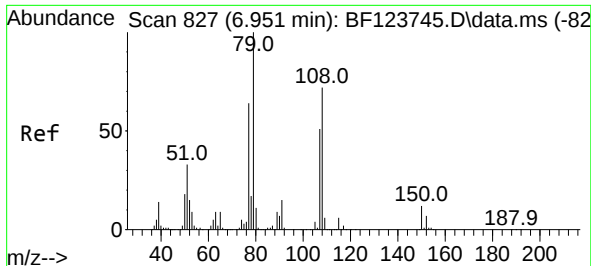
Ion Ratio Lower Upper

146 100

148 65.2 51.6 77.4

111 49.0 38.4 57.6

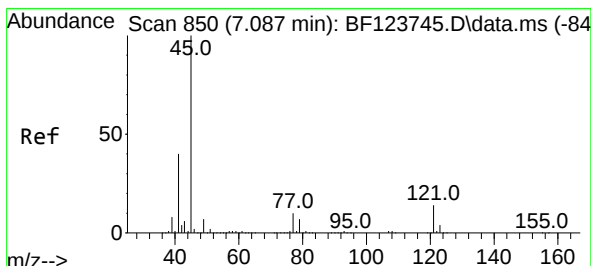
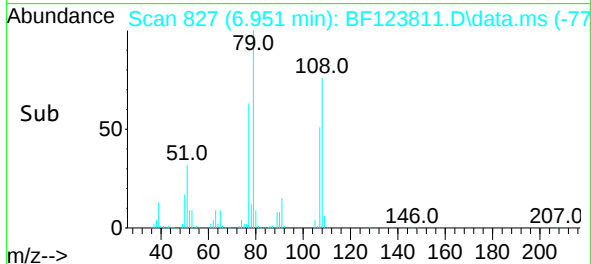
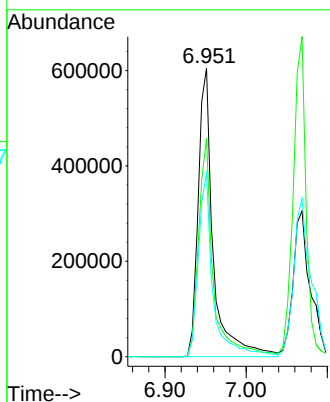
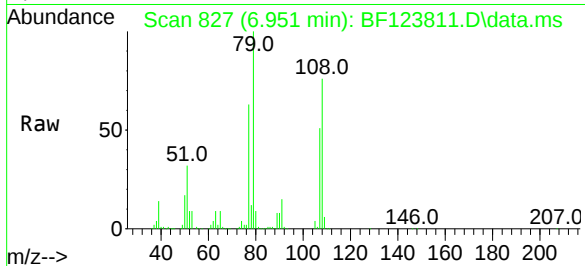




#15  
Benzyl Alcohol  
Concen: 48.62 ng  
RT: 6.951 min Scan# 827  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

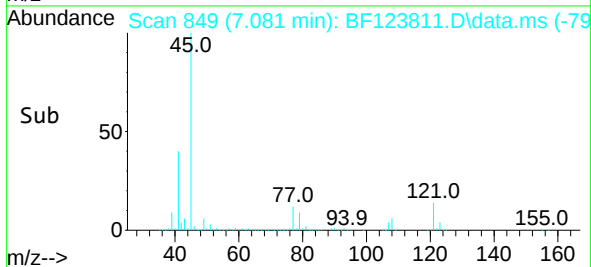
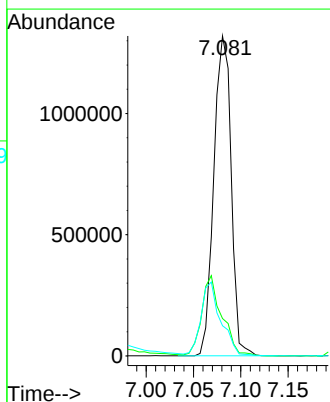
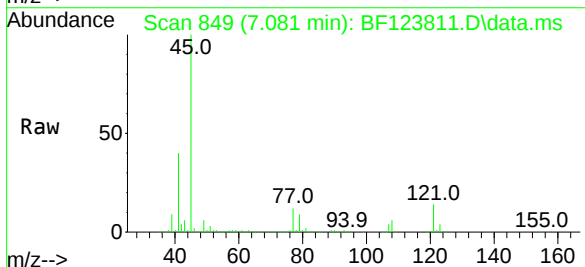
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

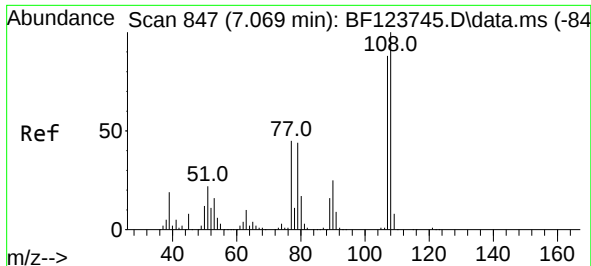
Tgt Ion: 79 Resp: 778461  
Ion Ratio Lower Upper  
79 100  
108 75.5 55.8 83.8  
77 63.4 49.9 74.9



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 49.23 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 45 Resp: 1677116  
Ion Ratio Lower Upper  
45 100  
77 11.7 0.0 30.0  
79 9.5 0.0 27.3

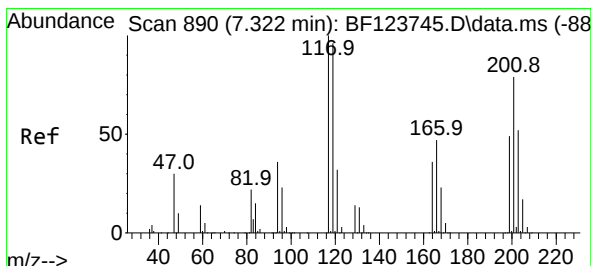
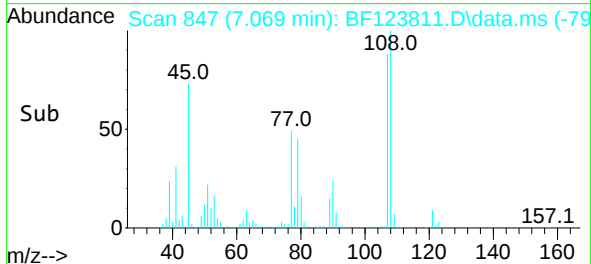
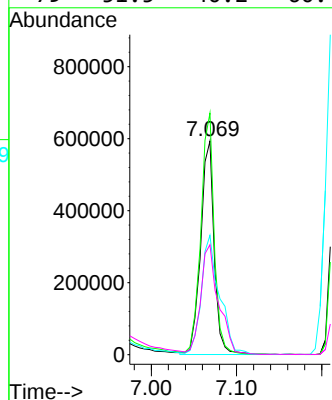
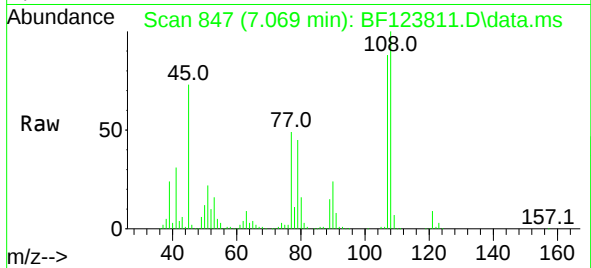




#17  
2-Methylphenol  
Concen: 48.00 ng  
RT: 7.069 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

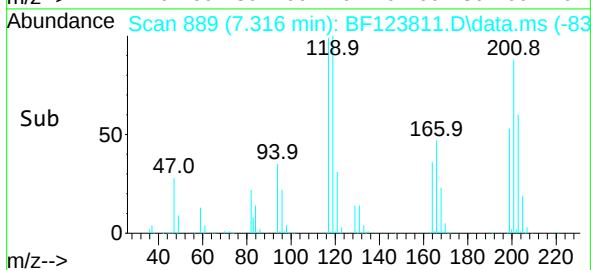
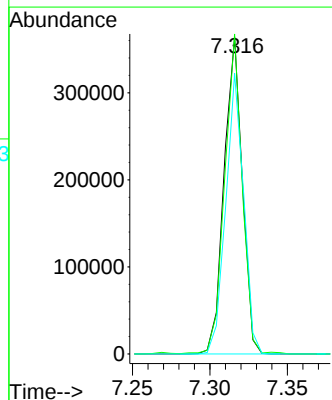
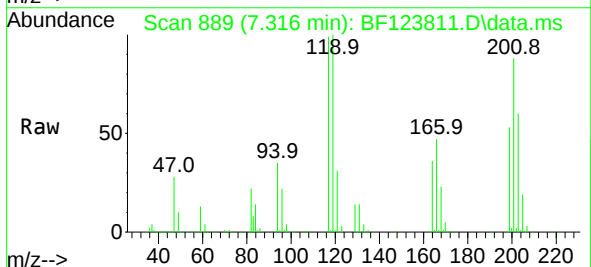
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

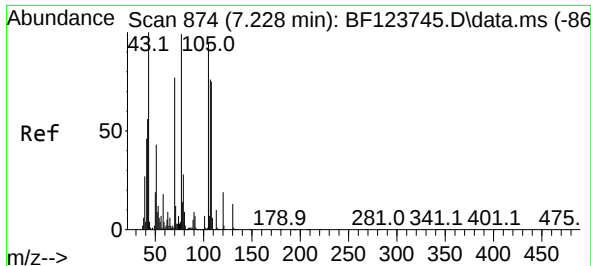
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 652334 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.1 | 89.8  | 134.8  |
| 77       | 55.8  | 40.9  | 61.3   |
| 79       | 51.5  | 40.2  | 60.4   |



#18  
Hexachloroethane  
Concen: 46.10 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

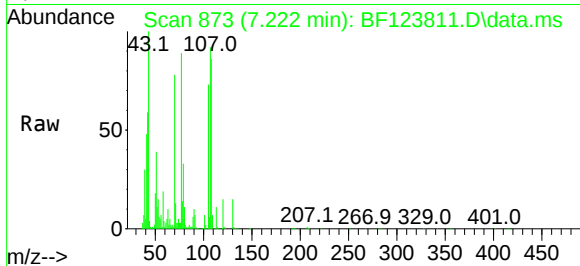
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 297497 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 100.9 | 77.8  | 116.8  |
| 201      | 88.5  | 67.8  | 101.8  |



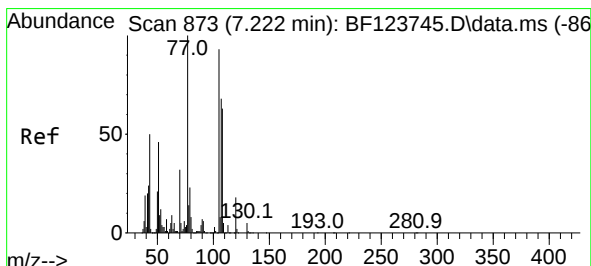
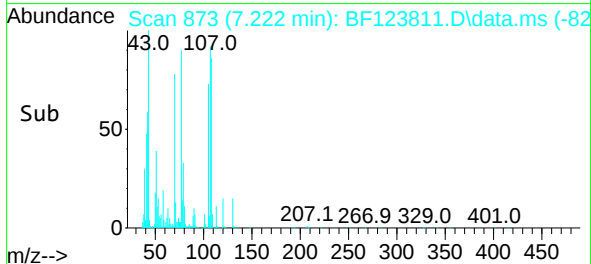
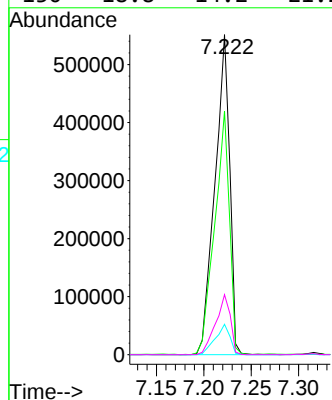


#19  
n-Nitroso-di-n-propylamine  
Concen: 47.55 ng  
RT: 7.222 min Scan# 873  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

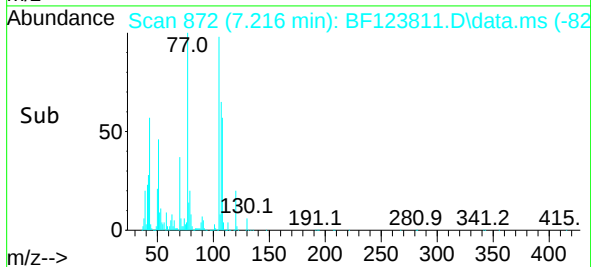
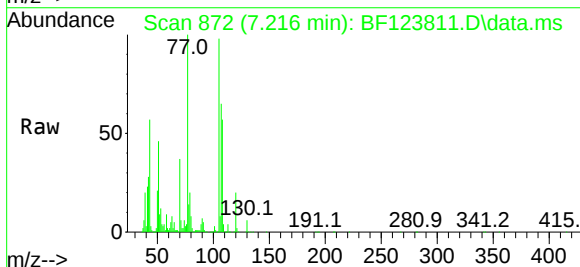
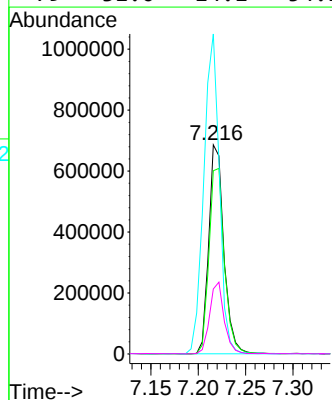


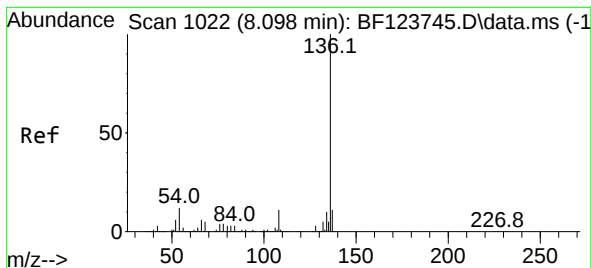
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 76.2  | 60.1  | 90.1  |
| 101     | 9.5   | 7.4   | 11.2  |
| 130     | 18.8  | 14.2  | 21.2  |



#20  
3+4-Methylphenols  
Concen: 43.82 ng  
RT: 7.216 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 87.6  | 71.5  | 111.5  |
| 77      | 153.0 | 82.0  | 122.0# |
| 79      | 31.0  | 14.1  | 54.1   |

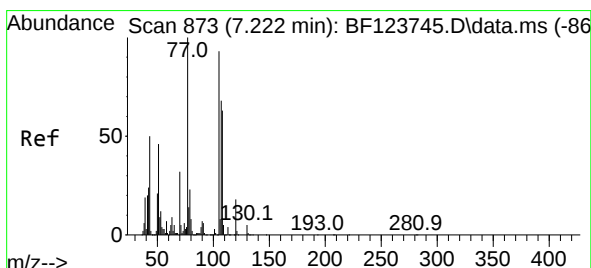
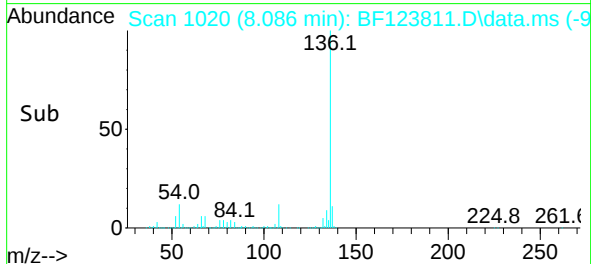
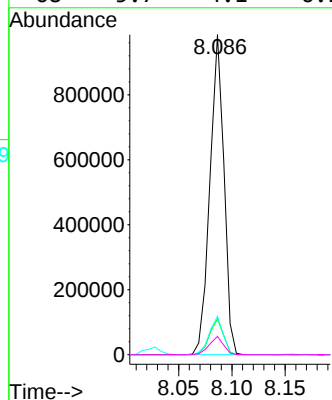
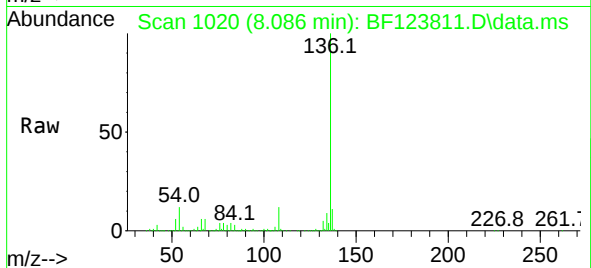




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

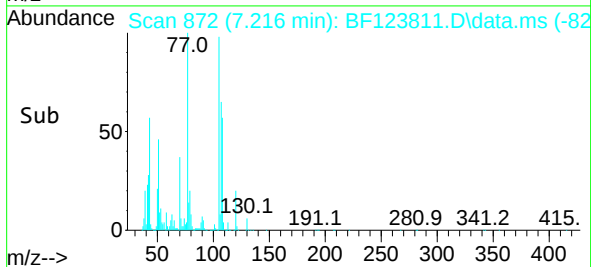
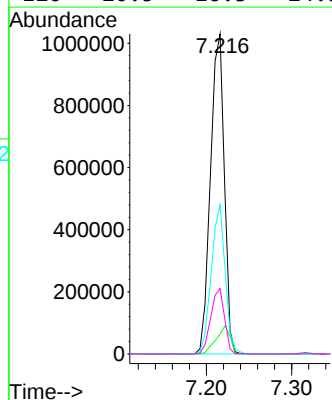
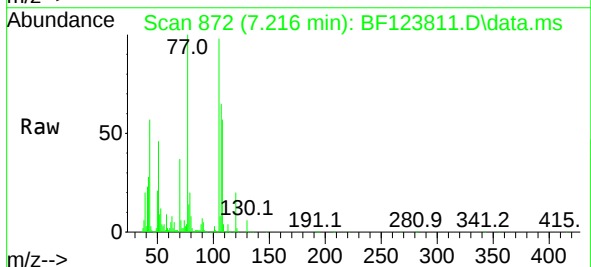
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

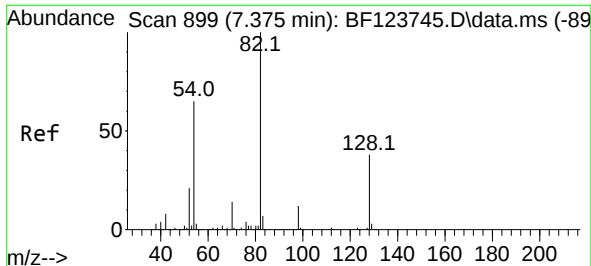
|             |              |
|-------------|--------------|
| Tgt Ion:136 | Resp: 904596 |
| Ion Ratio   | Lower Upper  |
| 136 100     |              |
| 137 11.1    | 8.7 13.1     |
| 54 12.0     | 9.8 14.6     |
| 68 5.7      | 4.1 6.1      |



#22  
Acetophenone  
Concen: 47.30 ng  
RT: 7.216 min Scan# 872  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

|             |               |
|-------------|---------------|
| Tgt Ion:105 | Resp: 1163097 |
| Ion Ratio   | Lower Upper   |
| 105 100     |               |
| 71 6.2      | 4.2 6.4       |
| 51 46.6     | 33.6 50.4     |
| 120 20.5    | 16.3 24.5     |





#23

Nitrobenzene-d5

Concen: 89.28 ng

RT: 7.369 min Scan# 898

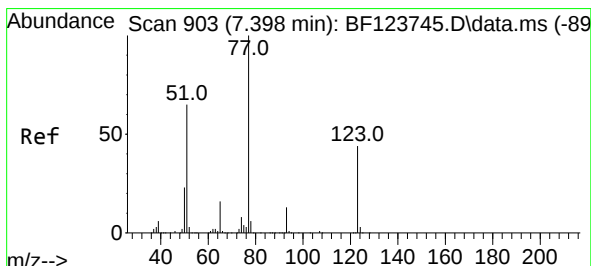
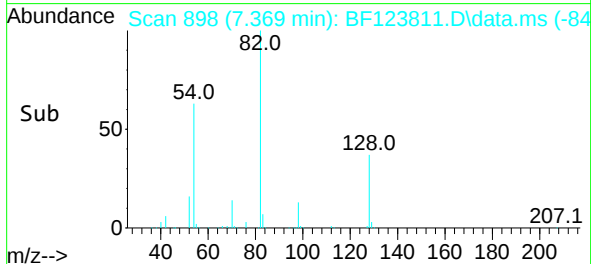
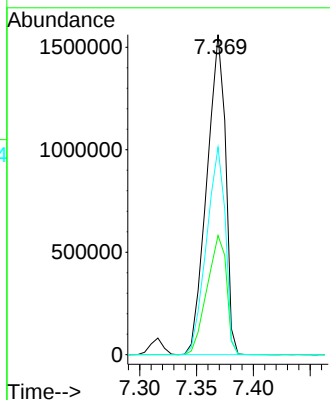
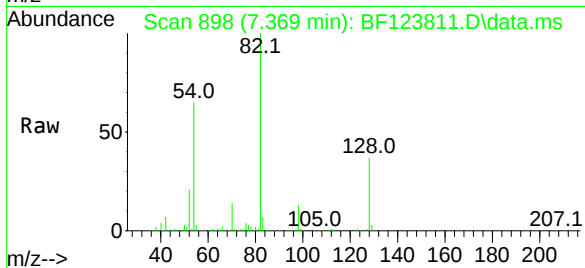
Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion: 82 Resp: 1789127

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.3  | 29.4  | 44.2  |
| 54  | 64.8  | 54.1  | 81.1  |



#24

Nitrobenzene

Concen: 44.28 ng

RT: 7.386 min Scan# 901

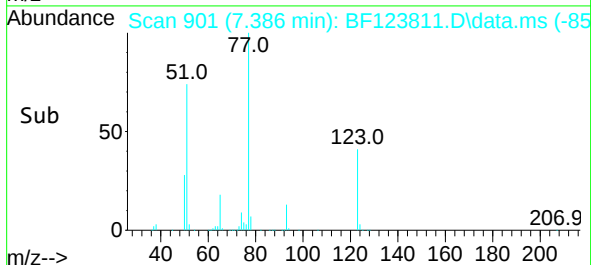
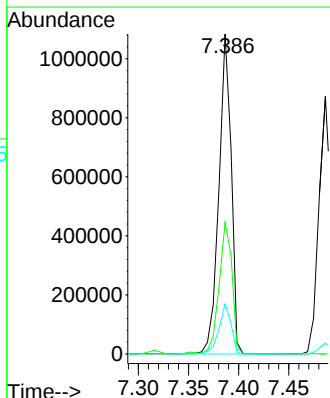
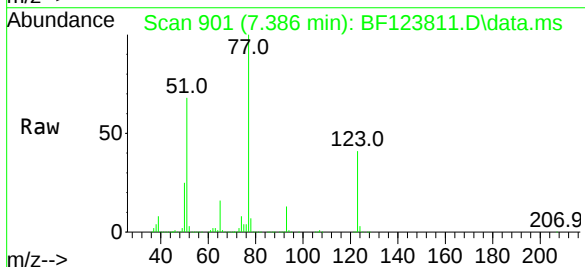
Delta R.T. -0.000 min

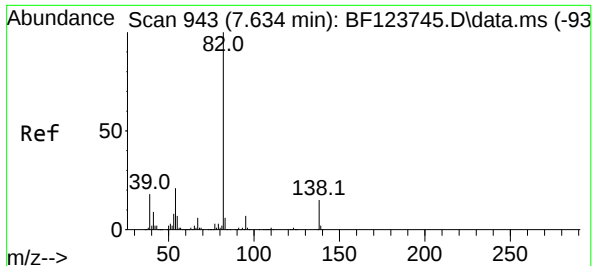
Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion: 77 Resp: 924234

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 41.1  | 34.5  | 51.7  |
| 65  | 15.6  | 12.2  | 18.2  |

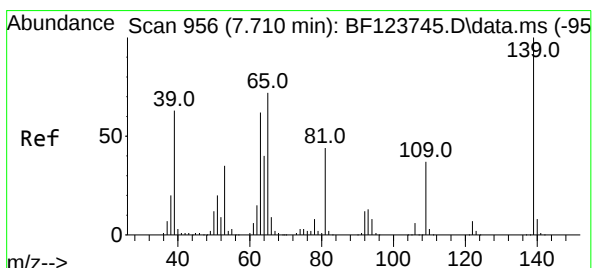
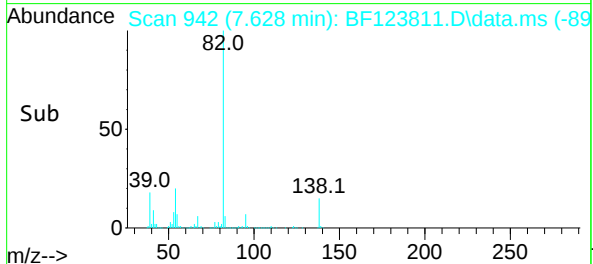
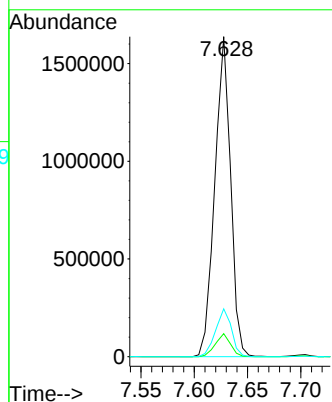
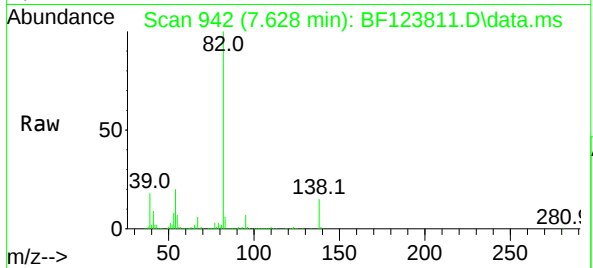




#25  
Isophorone  
Concen: 44.85 ng  
RT: 7.628 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

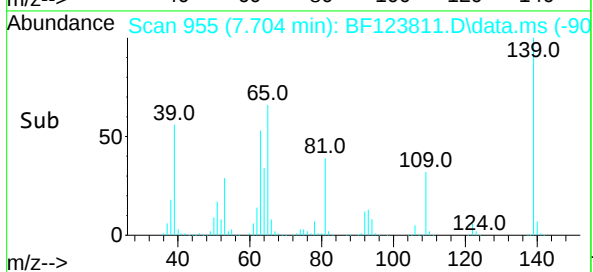
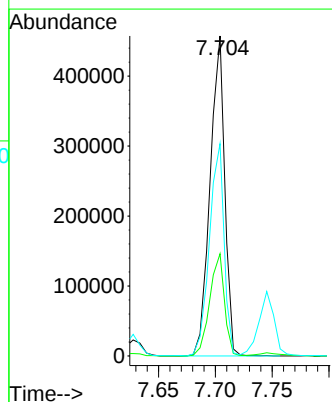
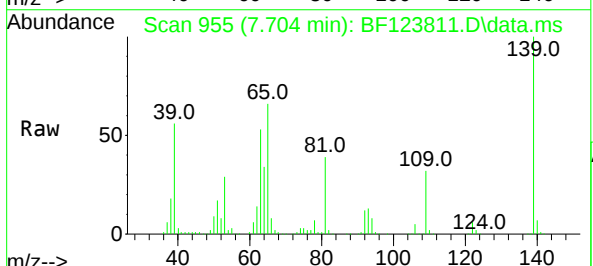
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

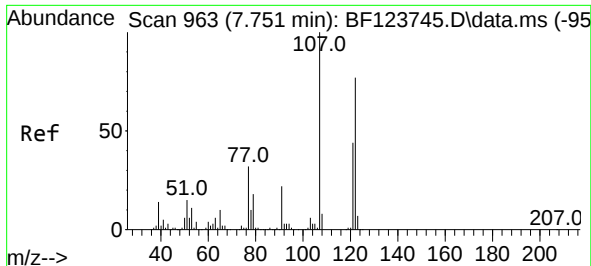
Tgt Ion: 82 Resp: 1685118  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.8 8.6  
138 14.9 11.8 17.8



#26  
2-Nitrophenol  
Concen: 48.10 ng  
RT: 7.704 min Scan# 955  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 139 Resp: 409753  
Ion Ratio Lower Upper  
139 100  
109 32.0 28.6 43.0  
65 66.4 56.8 85.2

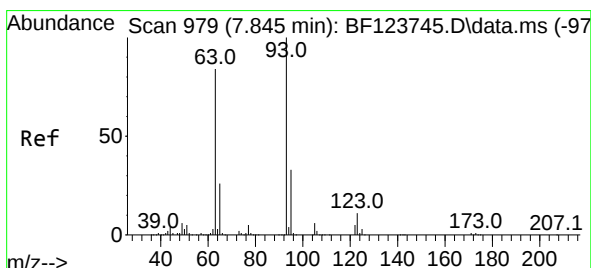
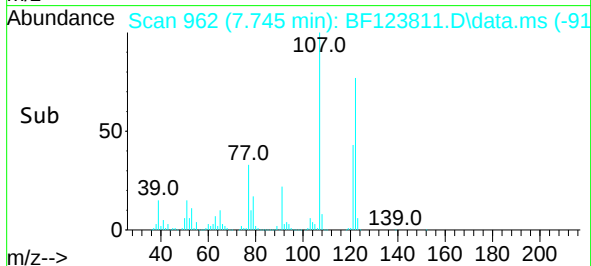
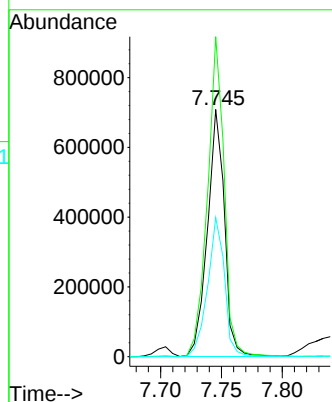
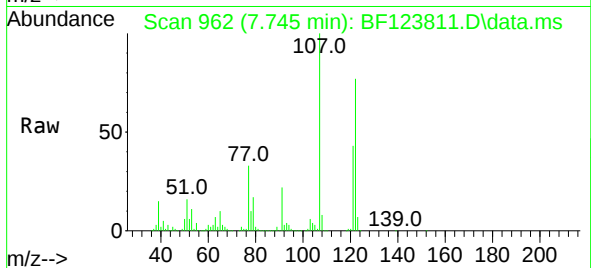




#27  
2,4-Dimethylphenol  
Concen: 51.41 ng  
RT: 7.745 min Scan# 962  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

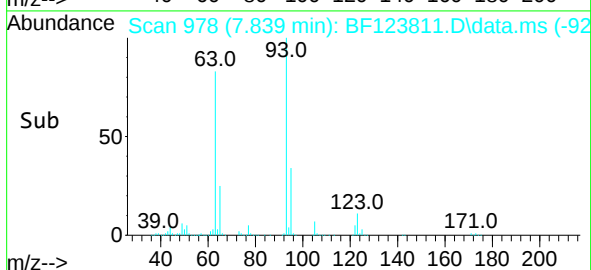
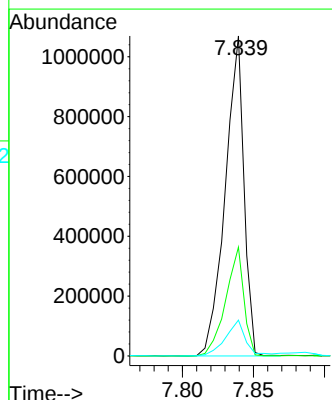
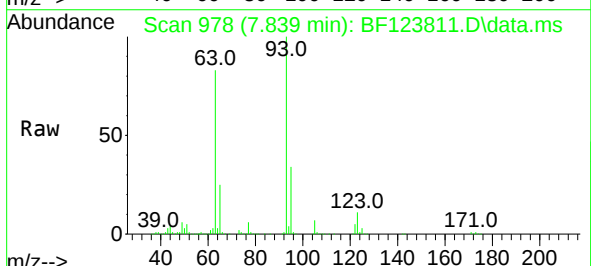
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

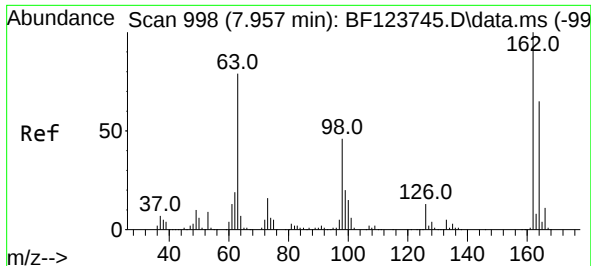
Tgt Ion:122 Resp: 687962  
Ion Ratio Lower Upper  
122 100  
107 129.4 106.3 159.5  
121 56.2 45.4 68.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 51.19 ng  
RT: 7.839 min Scan# 978  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 93 Resp: 980197  
Ion Ratio Lower Upper  
93 100  
95 34.0 26.5 39.7  
123 11.2 8.4 12.6

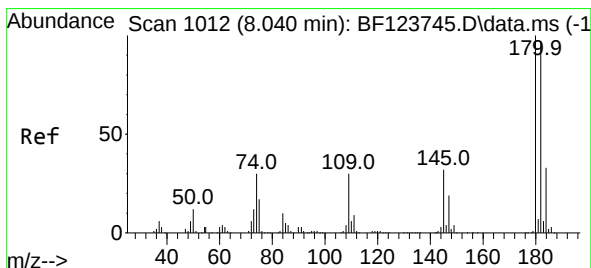
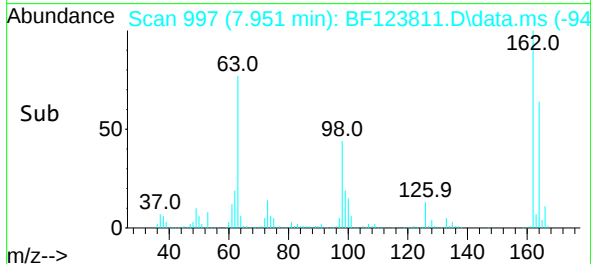
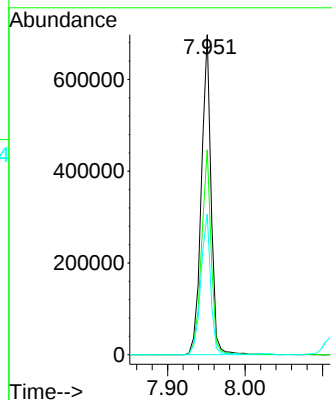
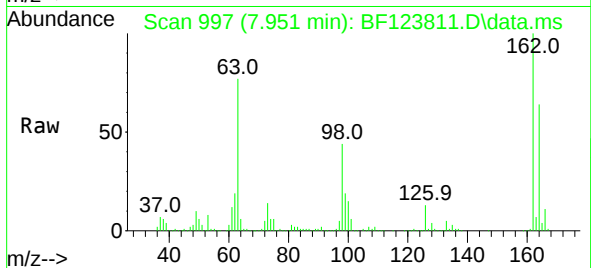




#29  
2,4-Dichlorophenol  
Concen: 46.01 ng  
RT: 7.951 min Scan# 997  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

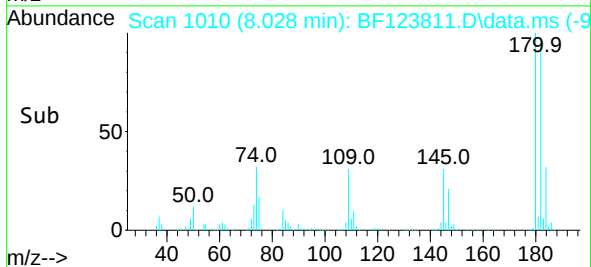
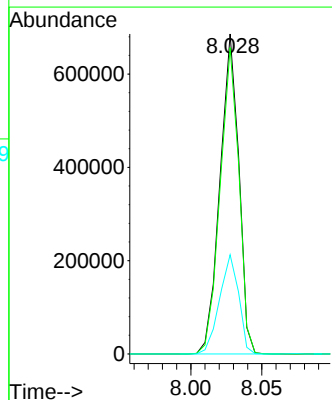
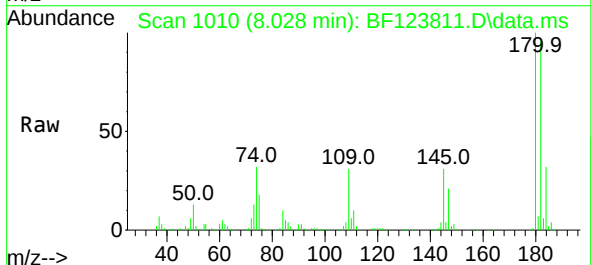
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

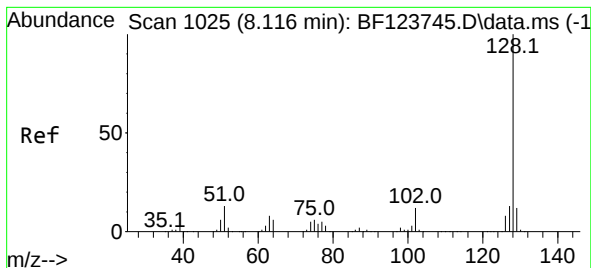
Tgt Ion:162 Resp: 606706  
Ion Ratio Lower Upper  
162 100  
164 64.0 44.1 84.1  
98 43.9 27.3 67.3



#30  
1,2,4-Trichlorobenzene  
Concen: 45.54 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:180 Resp: 629290  
Ion Ratio Lower Upper  
180 100  
182 95.7 77.2 115.8  
145 31.0 26.0 39.0

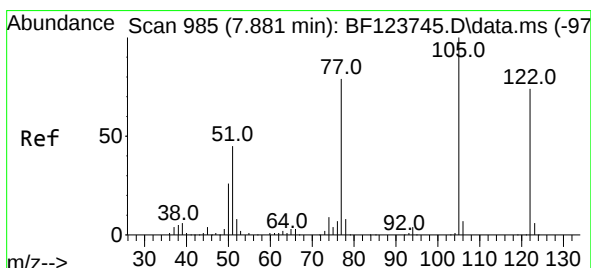
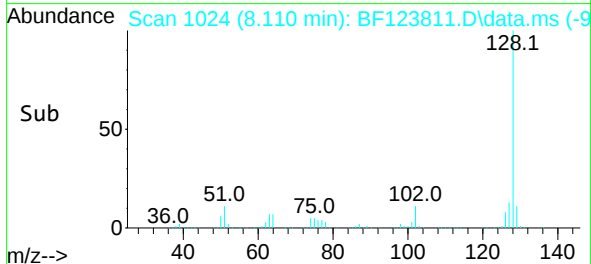
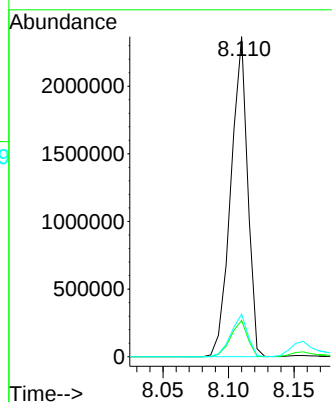
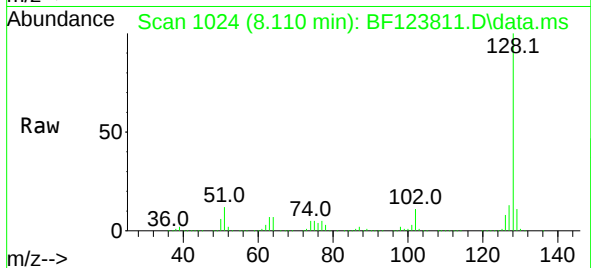




#31  
Naphthalene  
Concen: 45.21 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

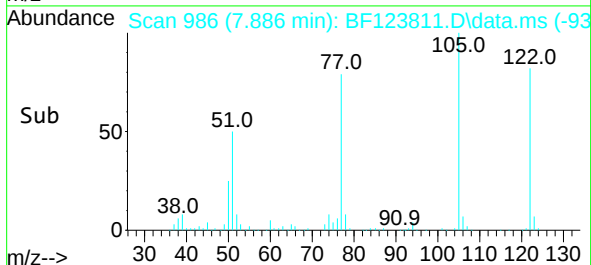
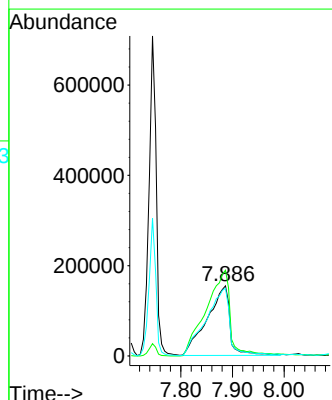
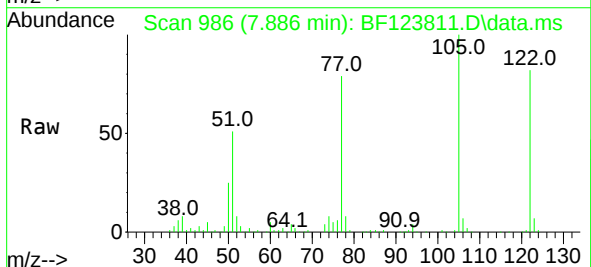
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

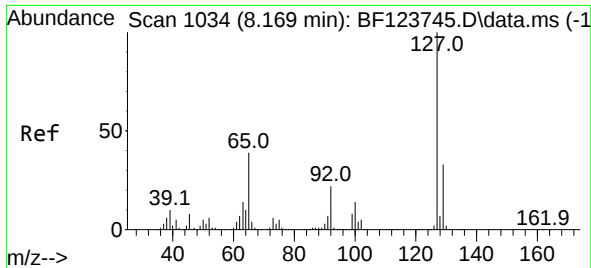
Tgt Ion:128 Resp: 2106250  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.9 13.3  
127 13.3 10.8 16.2



#32  
Benzoic acid  
Concen: 51.05 ng  
RT: 7.886 min Scan# 986  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:122 Resp: 472617  
Ion Ratio Lower Upper  
122 100  
105 122.4 107.8 147.8  
77 96.7 81.6 121.6

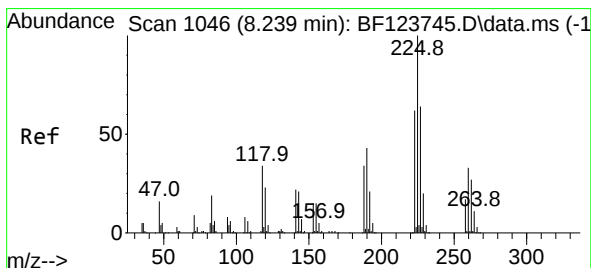
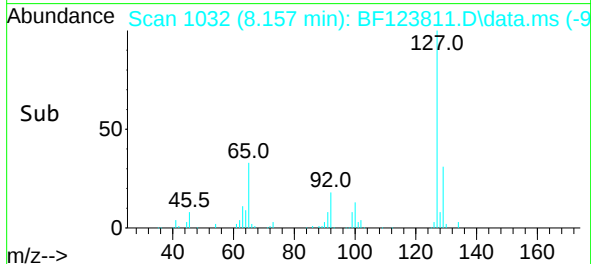
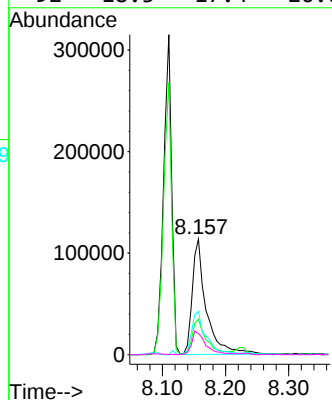
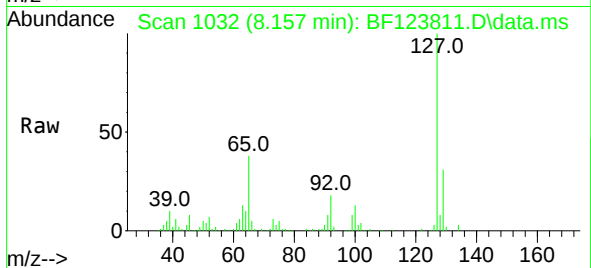




#33  
4-Chloroaniline  
Concen: 8.97 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

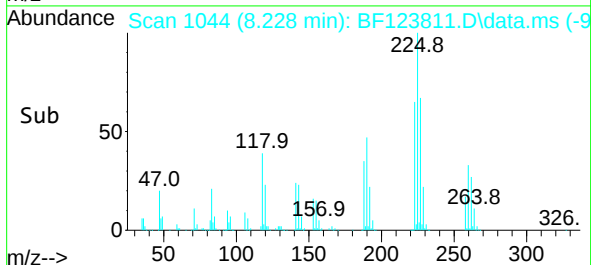
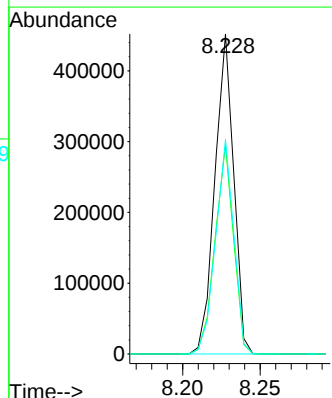
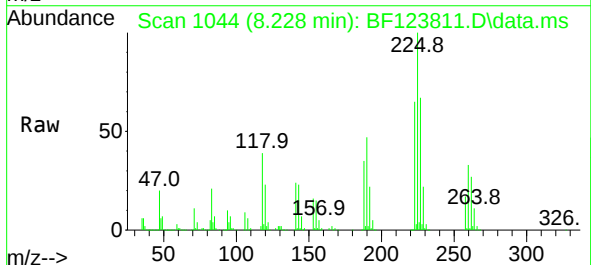
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

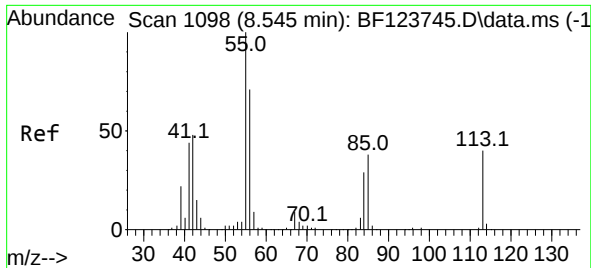
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 174379 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 30.7  | 25.7  | 38.5   |
| 65       | 37.5  | 34.5  | 51.7   |
| 92       | 18.3  | 17.4  | 26.0   |



#34  
Hexachlorobutadiene  
Concen: 45.31 ng  
RT: 8.228 min Scan# 1044  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 381680 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 65.4  | 50.4  | 75.6   |
| 227      | 67.0  | 51.4  | 77.0   |

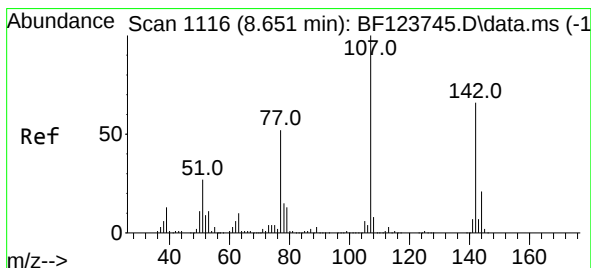
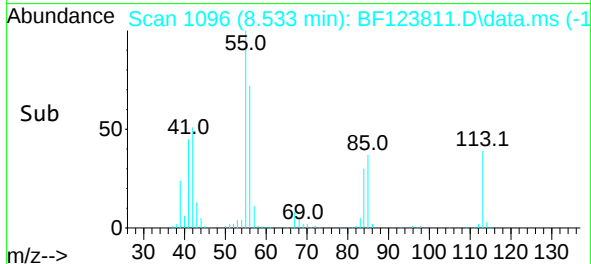
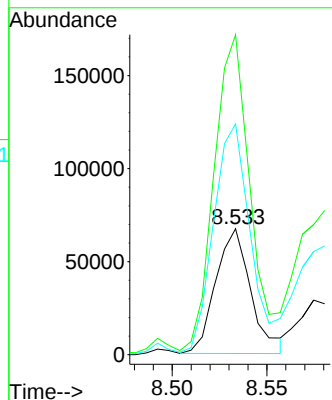
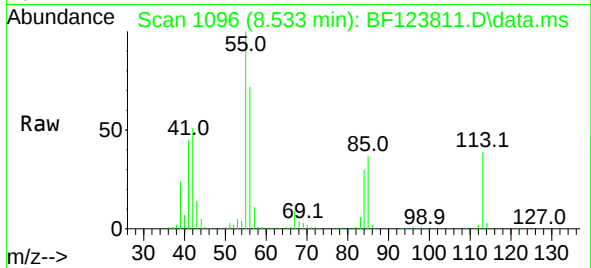




#35  
Caprolactam  
Concen: 18.68 ng  
RT: 8.533 min Scan# 1096  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

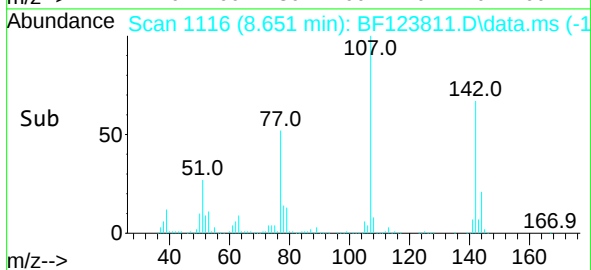
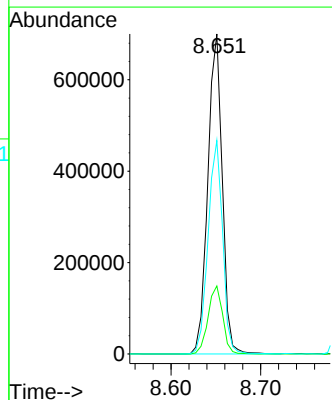
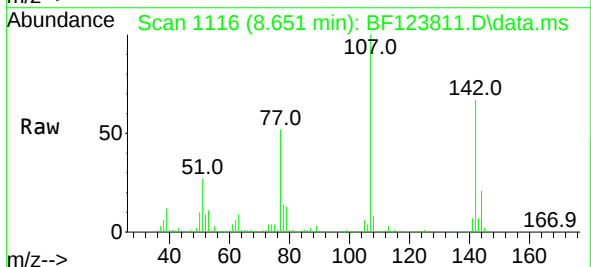
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

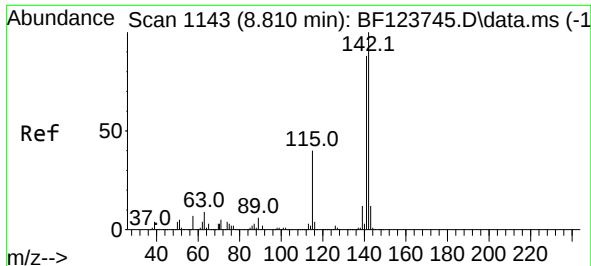
Tgt Ion:113 Resp: 86469  
Ion Ratio Lower Upper  
113 100  
55 254.0 254.9 294.9#  
56 183.1 179.4 219.4



#36  
4-Chloro-3-methylphenol  
Concen: 47.63 ng  
RT: 8.651 min Scan# 1116  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:107 Resp: 783702  
Ion Ratio Lower Upper  
107 100  
144 21.2 16.3 24.5  
142 66.7 50.1 75.1

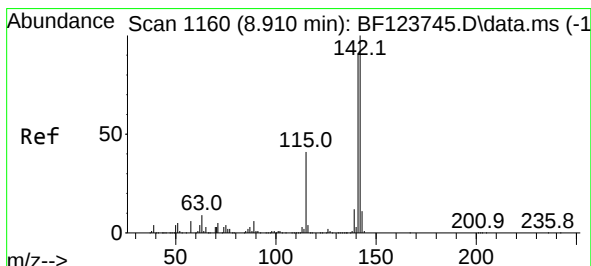
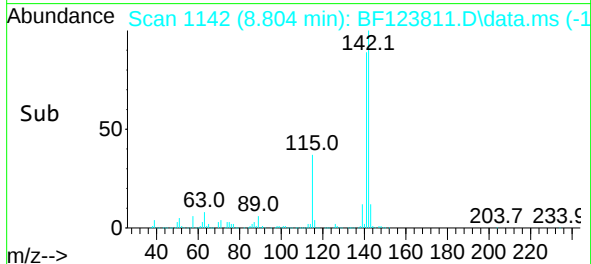
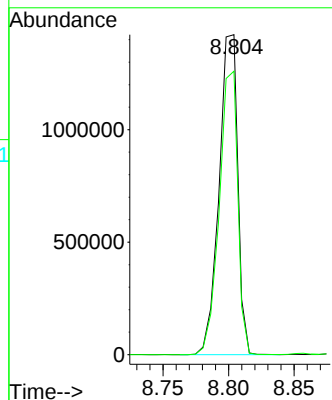
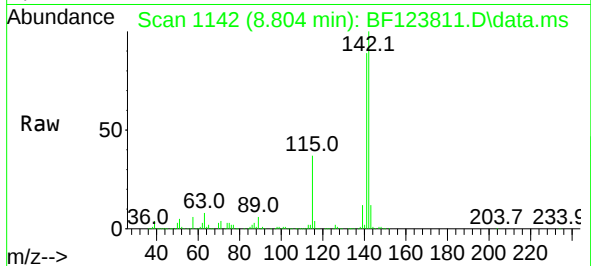




#37  
2-Methylnaphthalene  
Concen: 46.61 ng  
RT: 8.804 min Scan# 1142  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

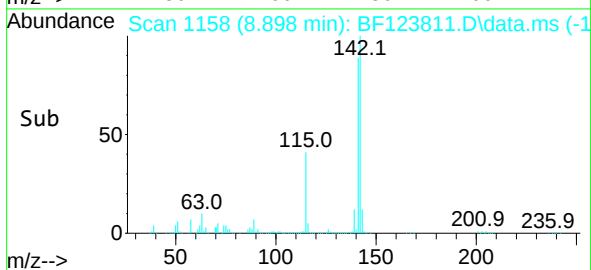
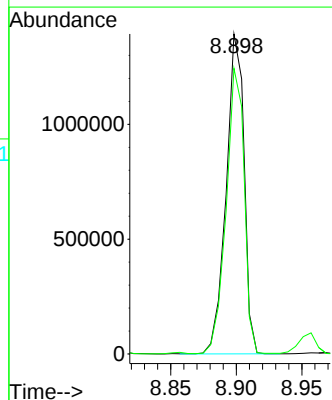
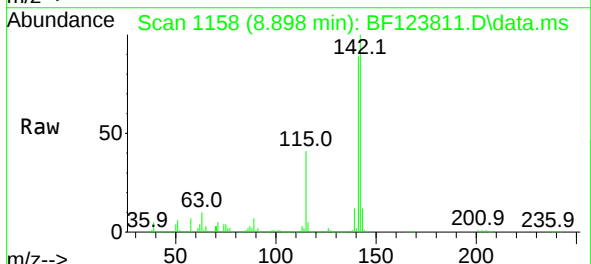
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

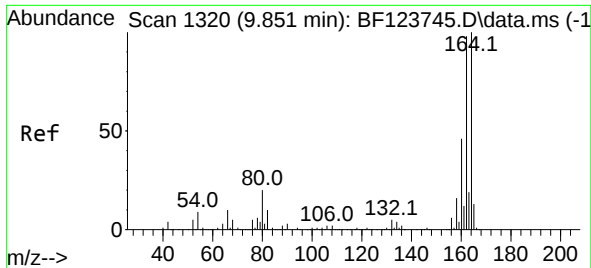
Tgt Ion:142 Resp: 1414894  
Ion Ratio Lower Upper  
142 100  
141 88.6 71.8 107.6



#38  
1-Methylnaphthalene  
Concen: 46.35 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:142 Resp: 1322522  
Ion Ratio Lower Upper  
142 100  
141 89.3 72.8 109.2

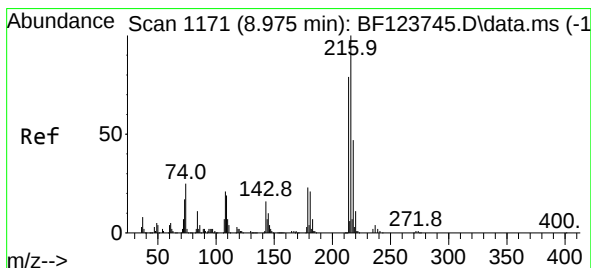
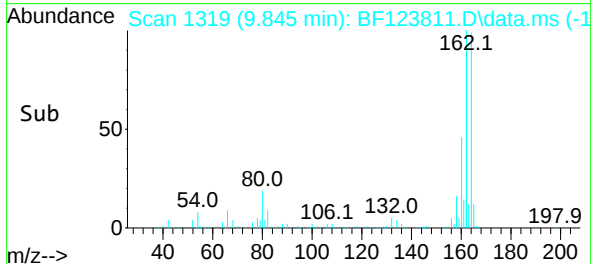
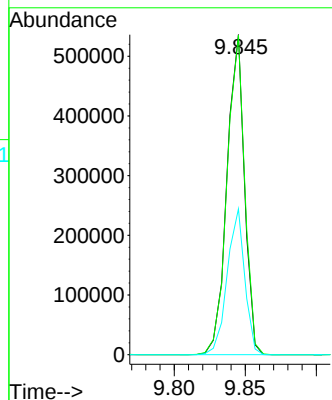
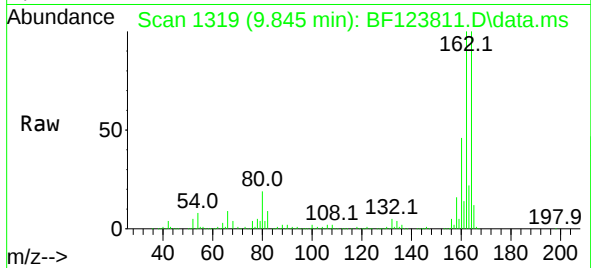




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.845 min Scan# 1319  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

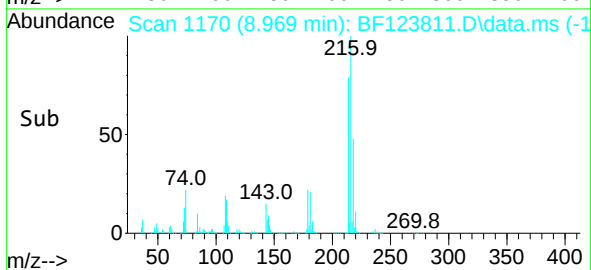
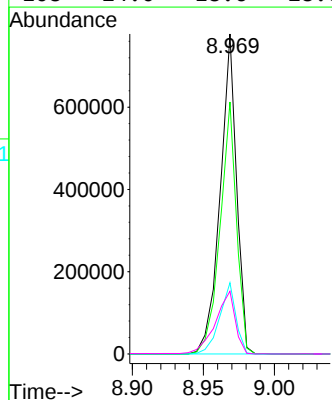
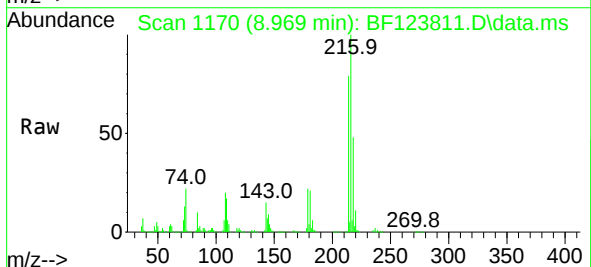
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

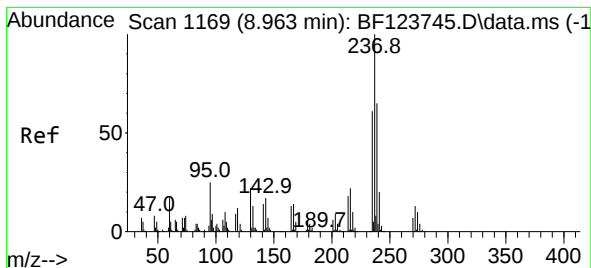
Tgt Ion:164 Resp: 458301  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.7 121.1  
160 45.6 37.3 55.9



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.26 ng  
RT: 8.969 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:216 Resp: 623955  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.8 95.8  
179 22.1 17.9 26.9  
108 24.0 18.6 28.0



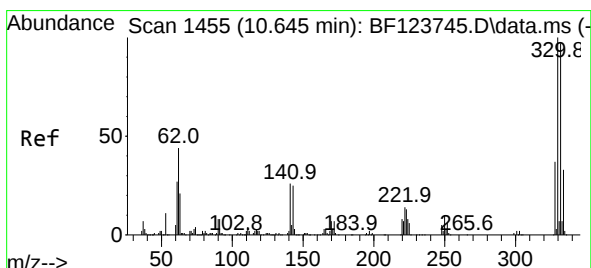
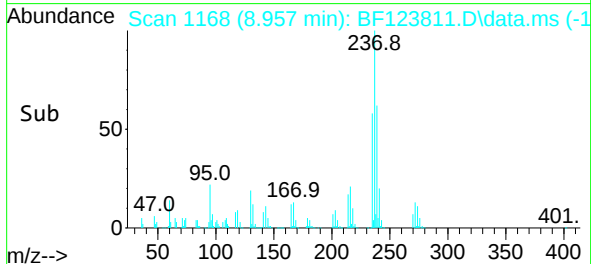
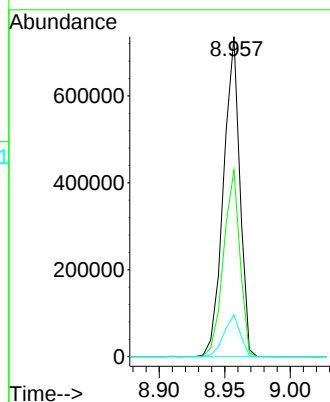
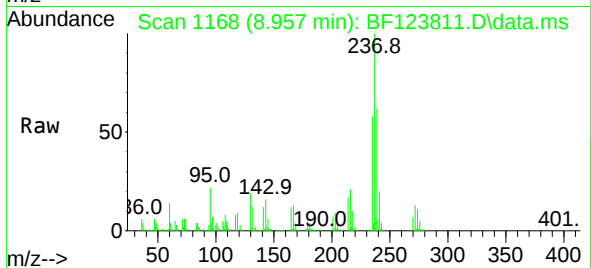


#41

Hexachlorocyclopentadiene  
Concen: 108.15 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

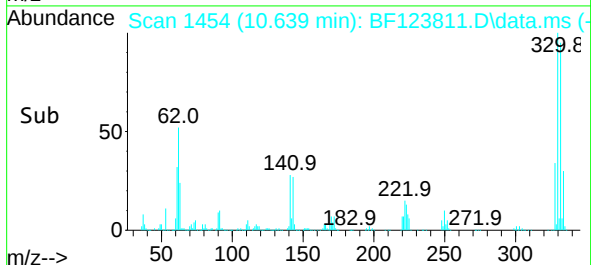
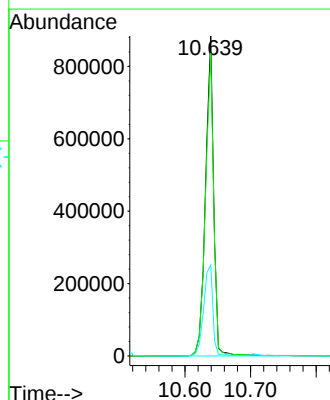
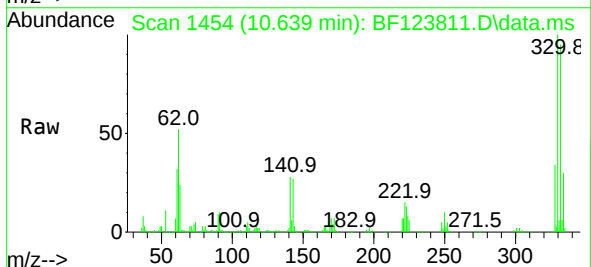
Tgt Ion:237 Resp: 637187  
Ion Ratio Lower Upper  
237 100  
235 58.4 38.8 78.8  
272 13.1 0.0 32.4

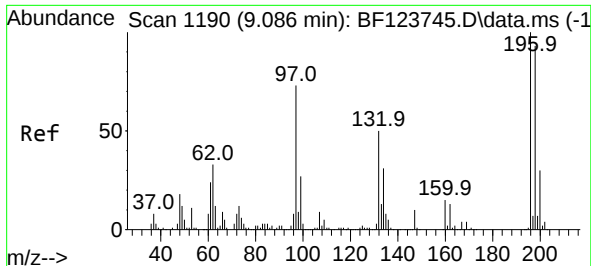


#42

2,4,6-Tribromophenol  
Concen: 134.24 ng  
RT: 10.639 min Scan# 1454  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:330 Resp: 765877  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.1 115.7  
141 32.1 27.9 41.9

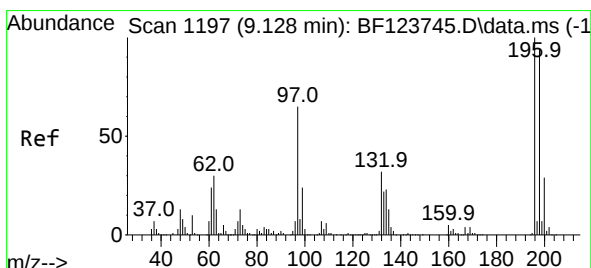
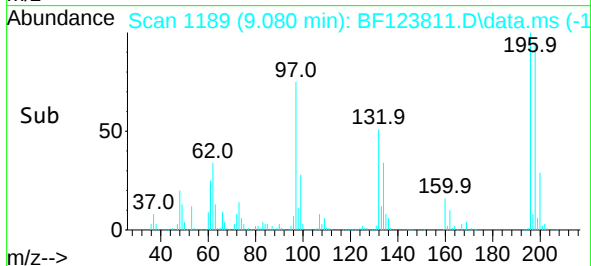
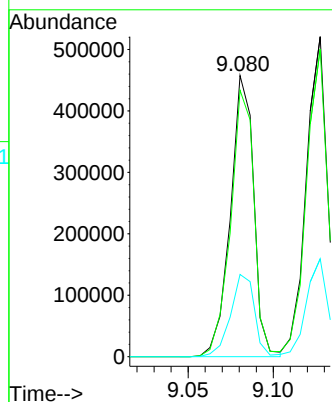
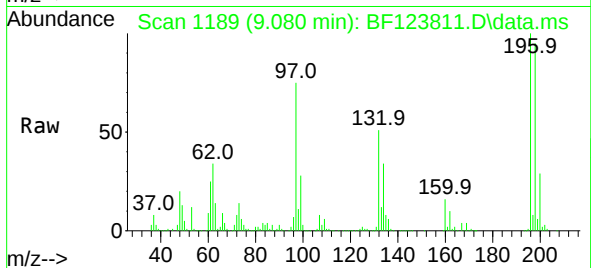




#43  
2,4,6-Trichlorophenol  
Concen: 46.88 ng  
RT: 9.080 min Scan# 1189  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

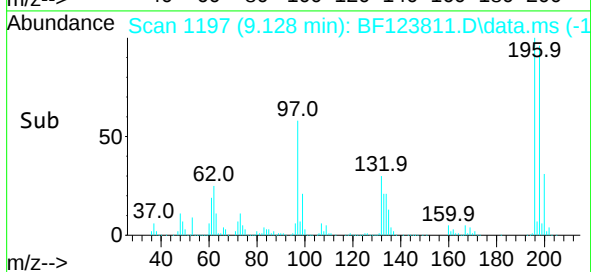
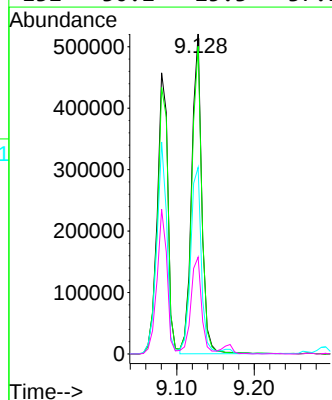
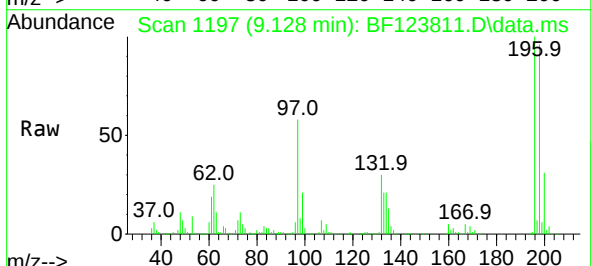
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

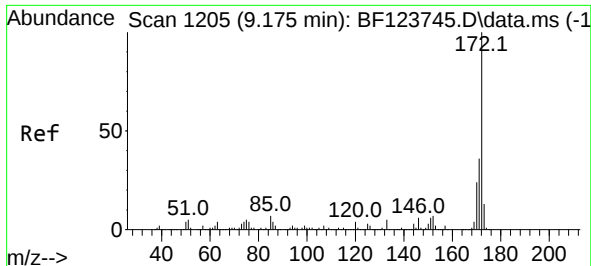
Tgt Ion:196 Resp: 435554  
Ion Ratio Lower Upper  
196 100  
198 94.8 78.2 117.2  
200 29.2 25.0 37.6



#44  
2,4,5-Trichlorophenol  
Concen: 47.33 ng  
RT: 9.128 min Scan# 1197  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:196 Resp: 471750  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.5 114.7  
97 58.3 52.9 79.3  
132 30.2 25.3 37.9

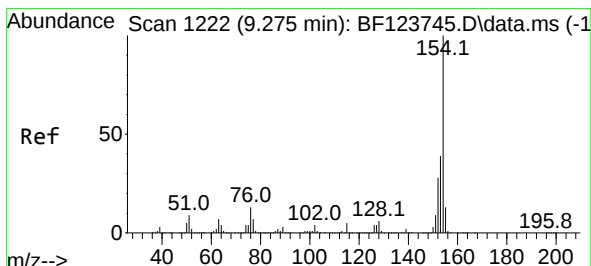
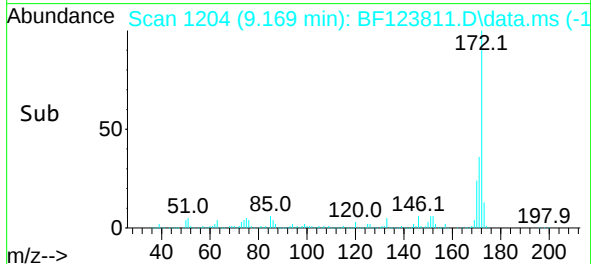
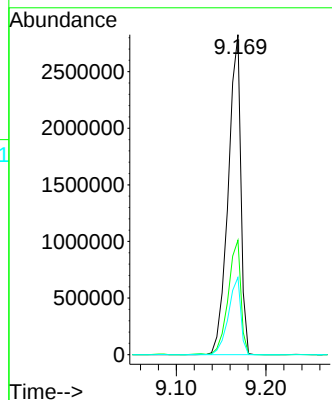
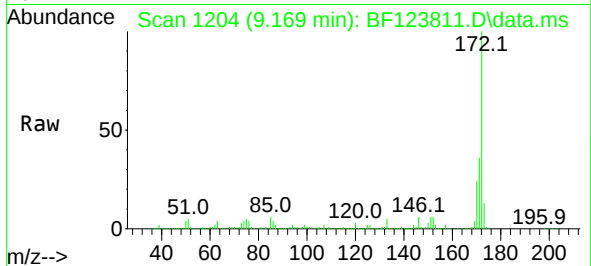




#45  
2-Fluorobiphenyl  
Concen: 87.49 ng  
RT: 9.169 min Scan# 1204  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

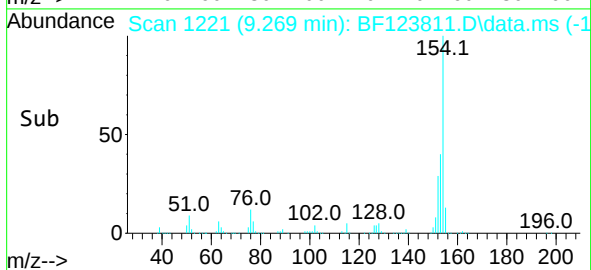
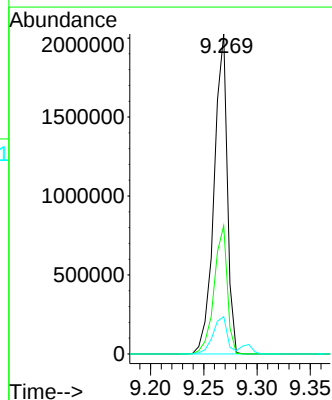
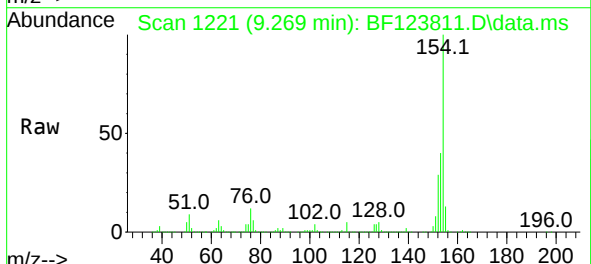
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

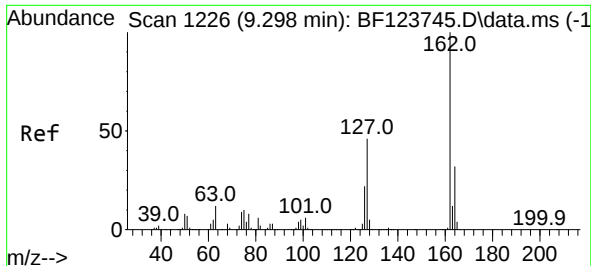
Tgt Ion:172 Resp: 2753270  
Ion Ratio Lower Upper  
172 100  
171 35.8 28.1 42.1  
170 24.2 19.2 28.8



#46  
1,1'-Biphenyl  
Concen: 46.55 ng  
RT: 9.269 min Scan# 1221  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:154 Resp: 1747686  
Ion Ratio Lower Upper  
154 100  
153 40.1 20.7 60.7  
76 11.6 0.0 31.7





#47

2-Chloronaphthalene

Concen: 45.92 ng

RT: 9.292 min Scan# 1225

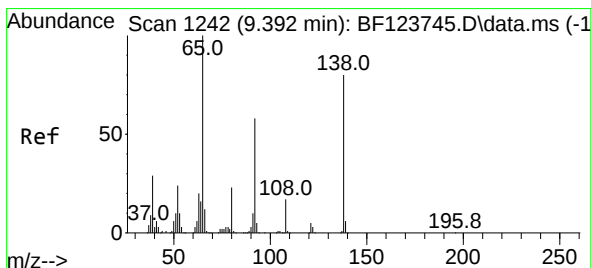
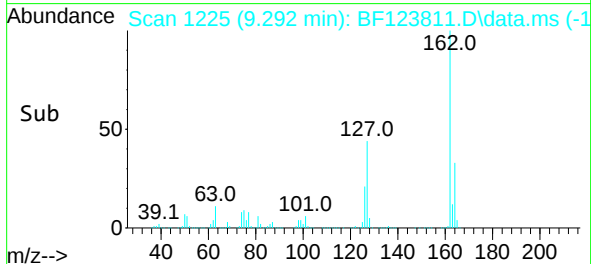
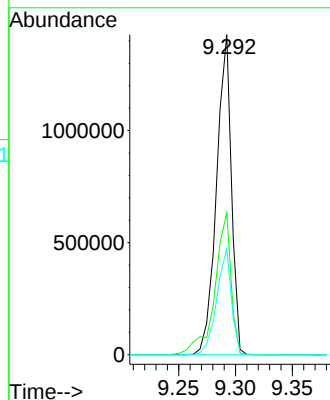
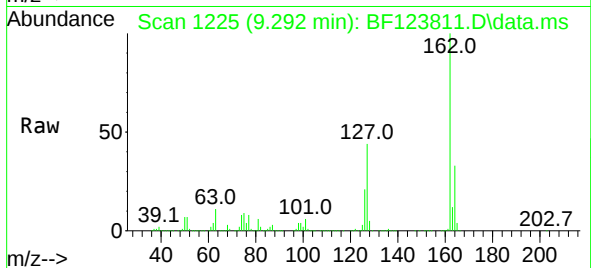
Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:162 Resp: 1299977

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 127 | 44.3  | 36.2  | 54.2  |
| 164 | 33.2  | 25.4  | 38.2  |



#48

2-Nitroaniline

Concen: 46.67 ng

RT: 9.386 min Scan# 1241

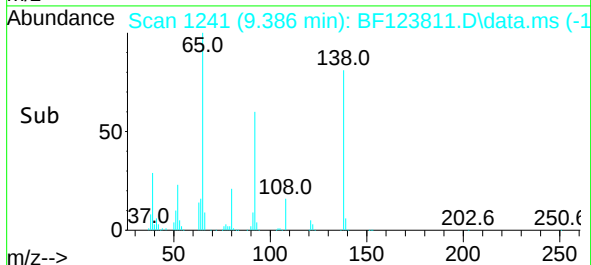
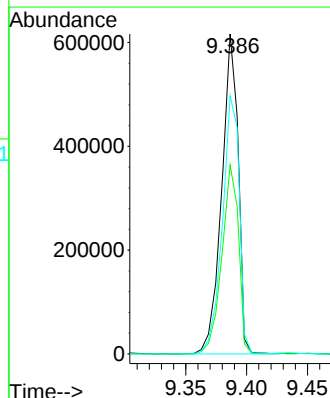
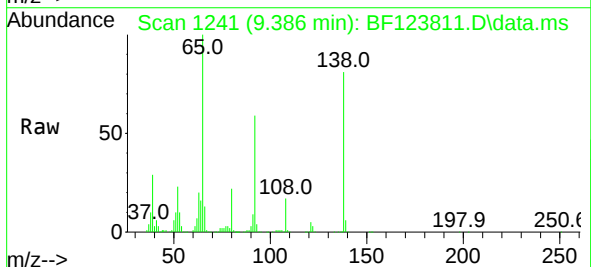
Delta R.T. -0.000 min

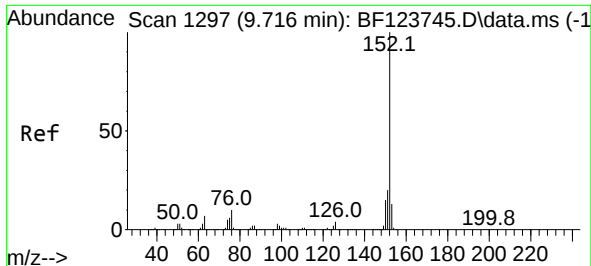
Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion: 65 Resp: 582001

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 92  | 59.1  | 47.1  | 70.7  |
| 138 | 80.7  | 70.2  | 105.2 |





#49

Acenaphthylene

Concen: 46.52 ng

RT: 9.710 min Scan# 1296

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:152 Resp: 2125976

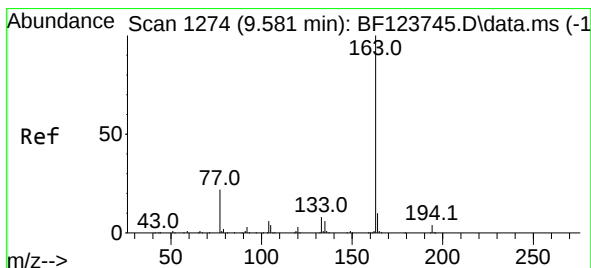
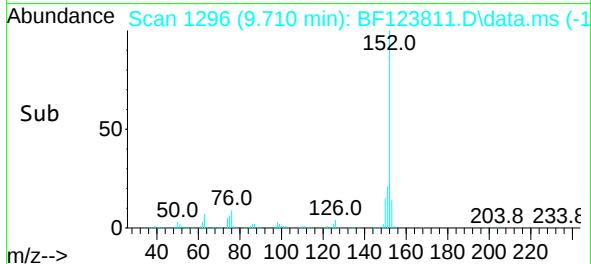
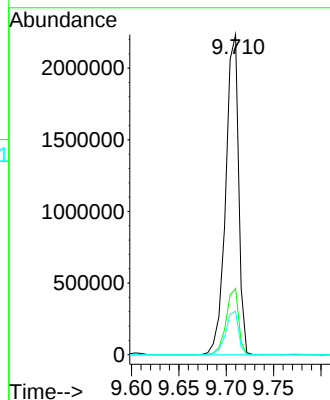
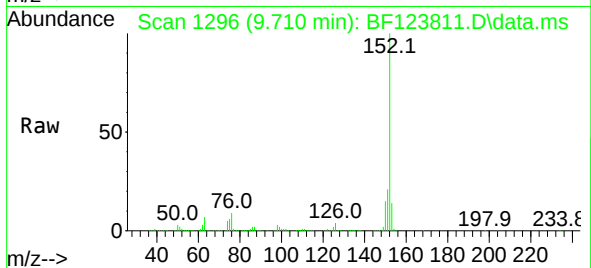
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.7  | 16.0  | 24.0  |
| 153 | 13.5  | 10.4  | 15.6  |

Instrument :

BNA\_F

ClientSampleId :

290MSD



#50

Dimethylphthalate

Concen: 49.67 ng

RT: 9.575 min Scan# 1273

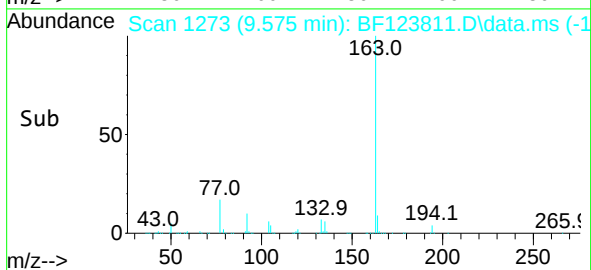
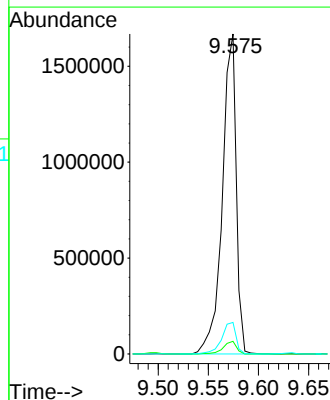
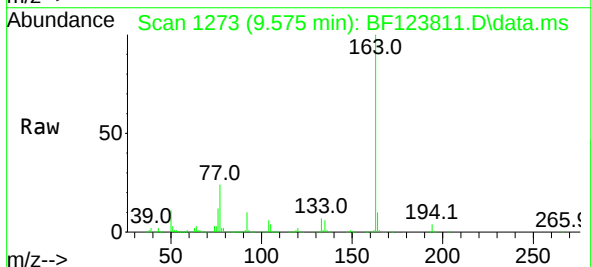
Delta R.T. 0.006 min

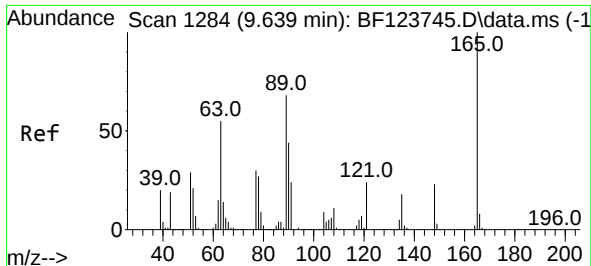
Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:163 Resp: 1603417

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.9   | 3.1   | 4.7   |
| 164 | 9.9   | 8.2   | 12.2  |

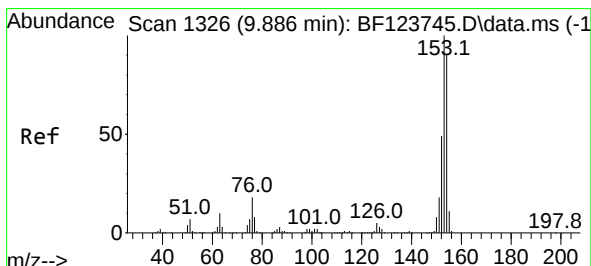
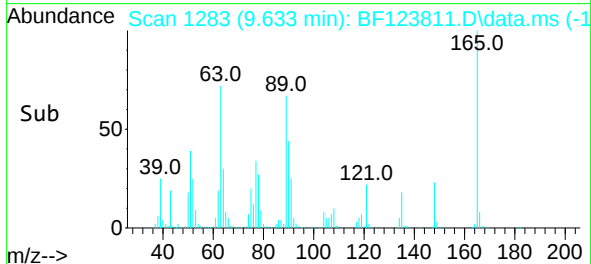
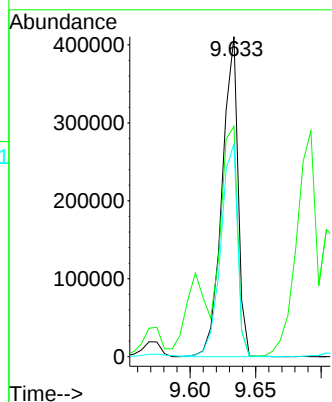
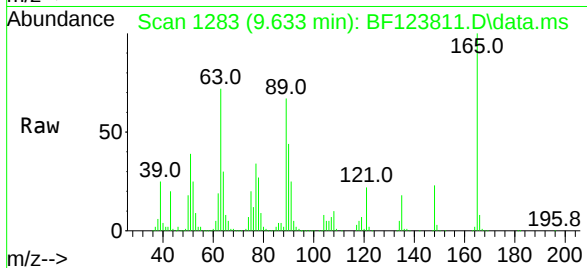




#51  
2,6-Dinitrotoluene  
Concen: 46.41 ng  
RT: 9.633 min Scan# 1283  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

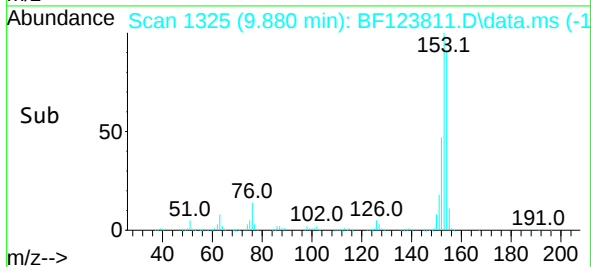
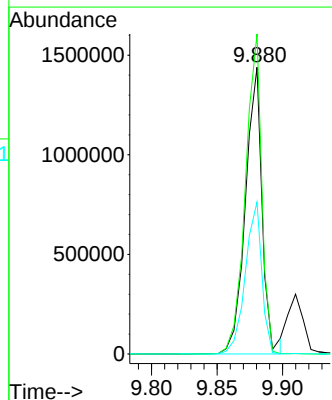
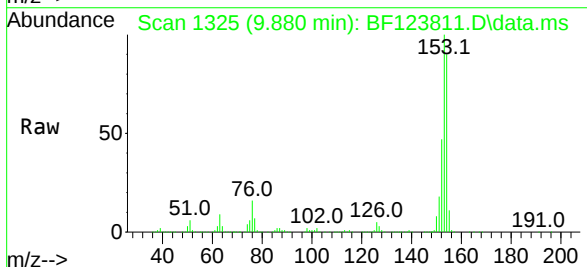
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

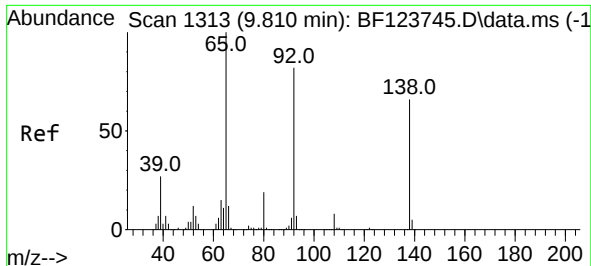
Tgt Ion:165 Resp: 346381  
Ion Ratio Lower Upper  
165 100  
63 72.0 67.7 101.5  
89 66.5 58.8 88.2



#52  
Acenaphthene  
Concen: 46.03 ng  
RT: 9.880 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:154 Resp: 1281651  
Ion Ratio Lower Upper  
154 100  
153 111.6 88.1 132.1  
152 53.0 43.4 65.0

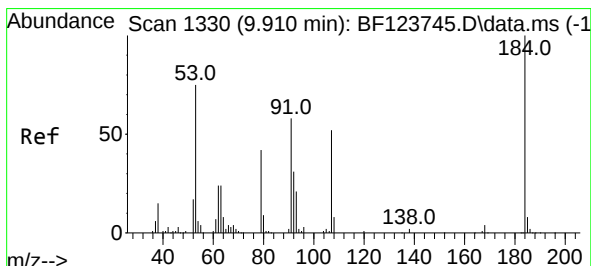
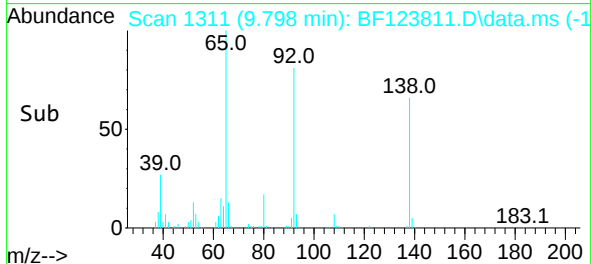
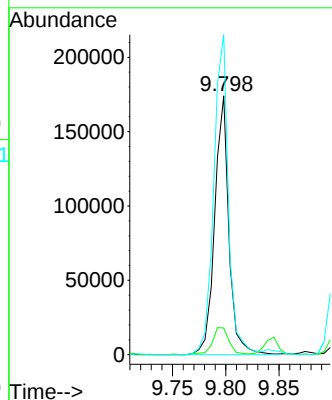
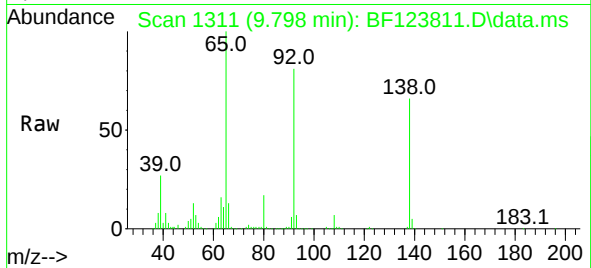




#53  
3-Nitroaniline  
Concen: 18.15 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

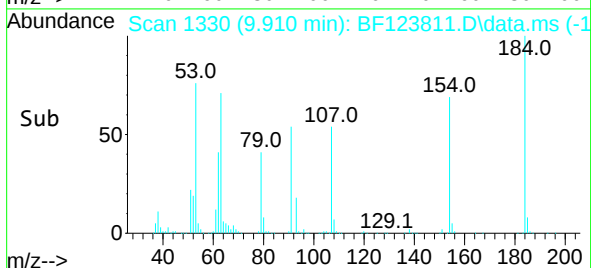
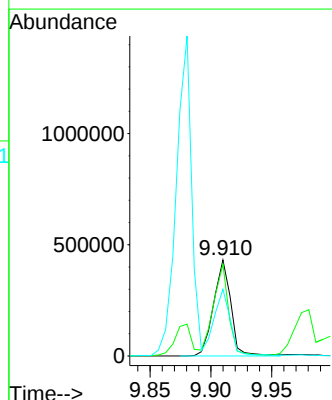
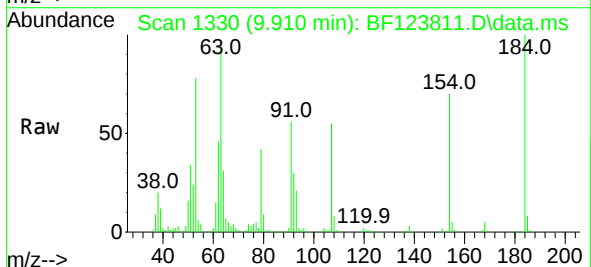
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

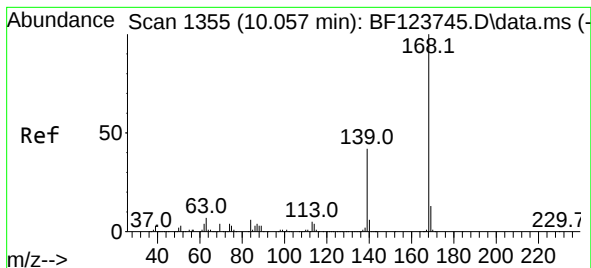
Tgt Ion:138 Resp: 161812  
Ion Ratio Lower Upper  
138 100  
108 10.3 10.2 15.4  
92 123.6 103.3 154.9



#54  
2,4-Dinitrophenol  
Concen: 107.61 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:184 Resp: 426516  
Ion Ratio Lower Upper  
184 100  
63 95.5 73.5 110.3  
154 69.5 52.5 78.7

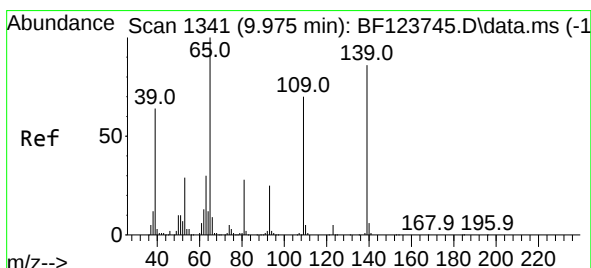
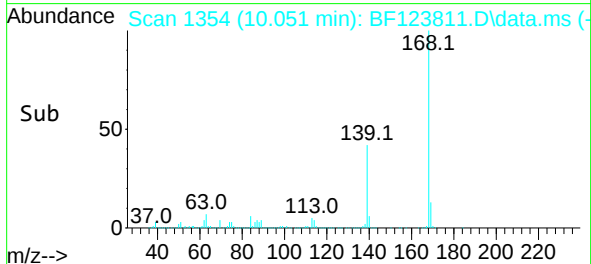
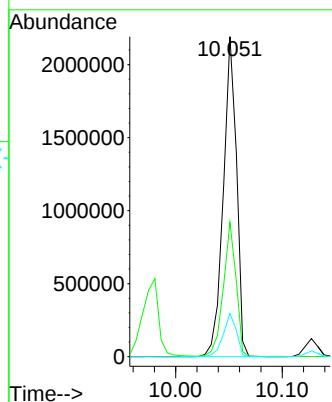
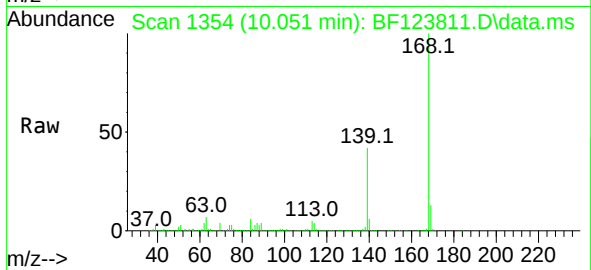




#55  
Dibenzenofuran  
Concen: 44.67 ng  
RT: 10.051 min Scan# 1354  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

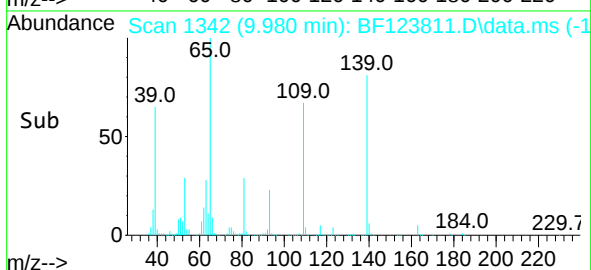
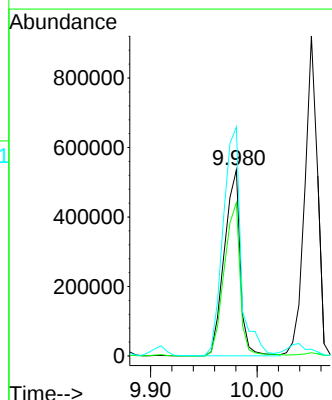
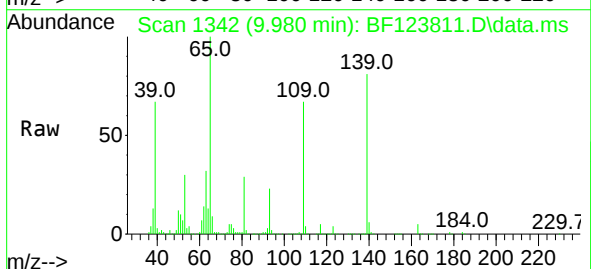
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

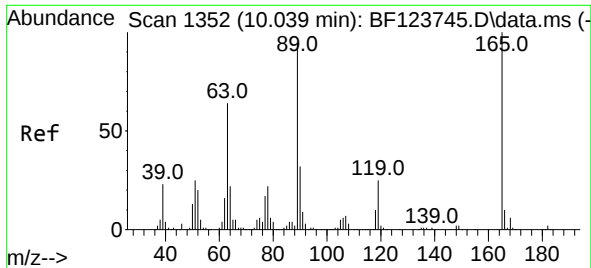
Tgt Ion:168 Resp: 1881239  
Ion Ratio Lower Upper  
168 100  
139 42.0 33.2 49.8  
169 13.5 10.8 16.2



#56  
4-Nitrophenol  
Concen: 85.52 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. 0.012 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:139 Resp: 555219  
Ion Ratio Lower Upper  
139 100  
109 82.5 63.2 103.2  
65 123.2 110.0 150.0

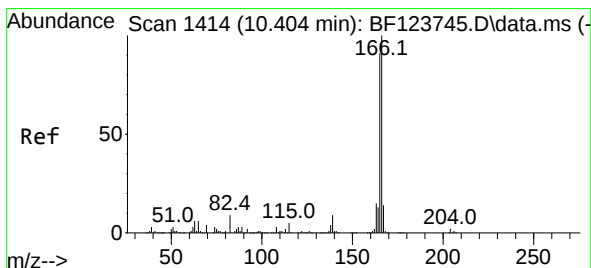
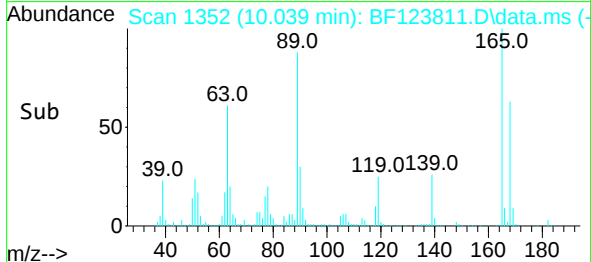
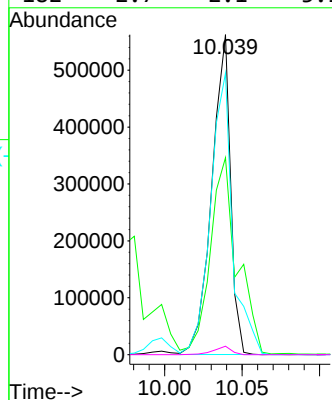
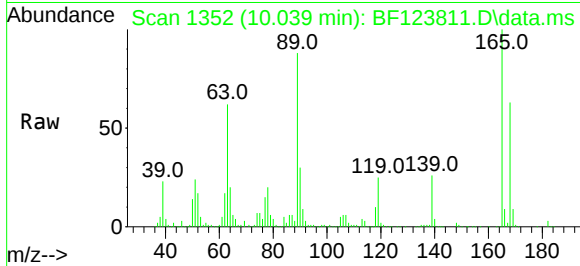




#57  
2,4-Dinitrotoluene  
Concen: 46.28 ng  
RT: 10.039 min Scan# 1352  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

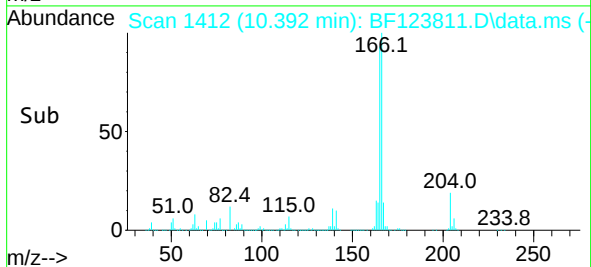
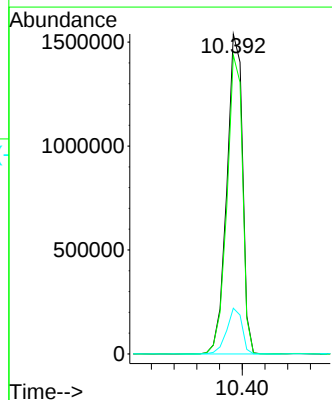
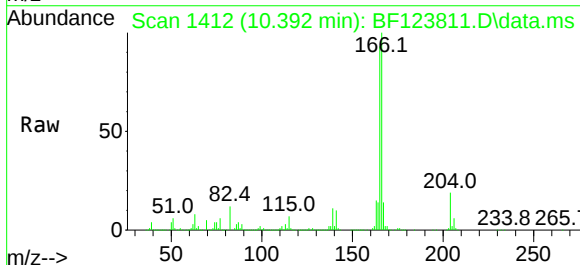
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

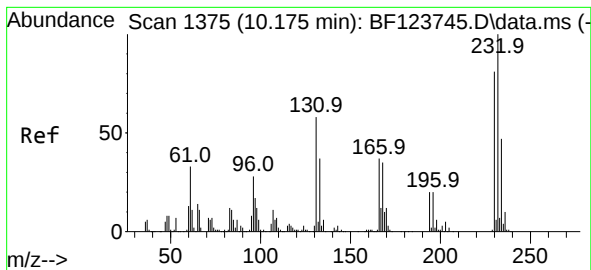
Tgt Ion:165 Resp: 470920  
Ion Ratio Lower Upper  
165 100  
63 61.5 43.5 65.3  
89 87.9 67.7 101.5  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 45.68 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:166 Resp: 1478240  
Ion Ratio Lower Upper  
166 100  
165 93.4 73.5 110.3  
167 14.3 10.7 16.1

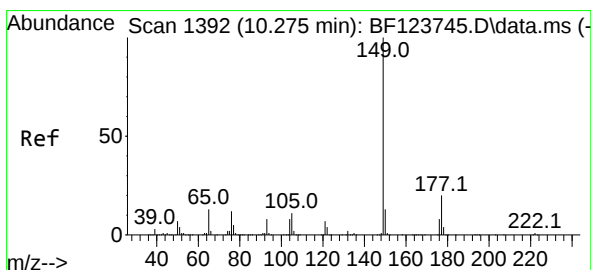
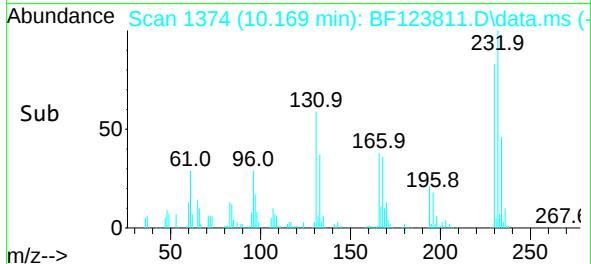
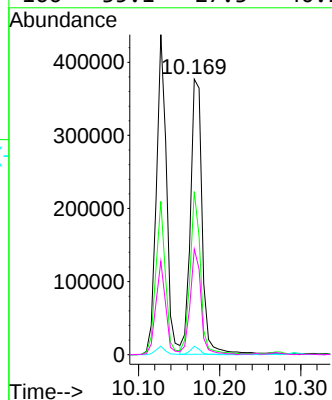
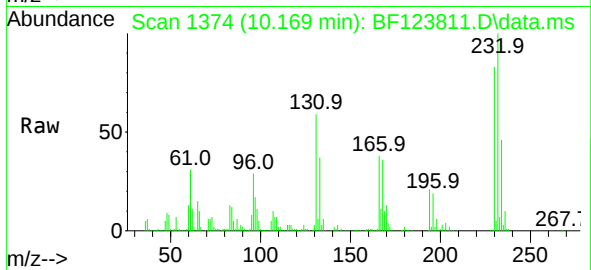




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.86 ng  
RT: 10.169 min Scan# 1374  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

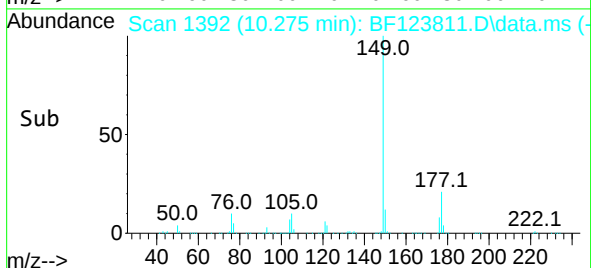
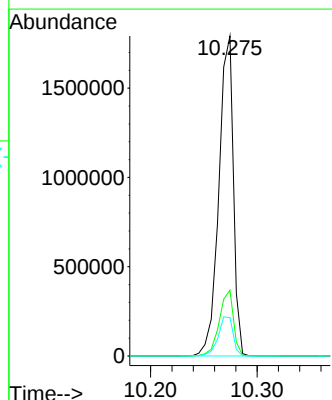
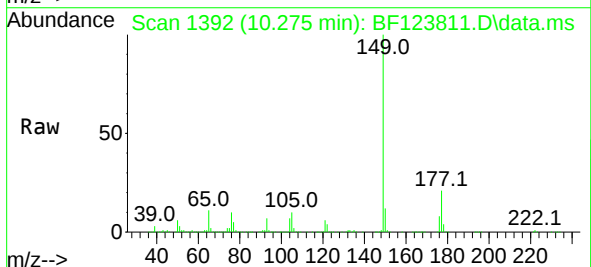
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

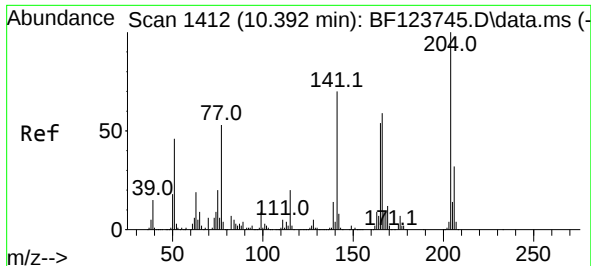
Tgt Ion:232 Resp: 377703  
Ion Ratio Lower Upper  
232 100  
131 51.6 43.2 64.8  
130 2.5 2.2 3.2  
166 35.1 27.3 40.9



#60  
Diethylphthalate  
Concen: 49.39 ng  
RT: 10.275 min Scan# 1392  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:149 Resp: 1696875  
Ion Ratio Lower Upper  
149 100  
177 20.6 15.4 23.2  
150 12.0 9.9 14.9

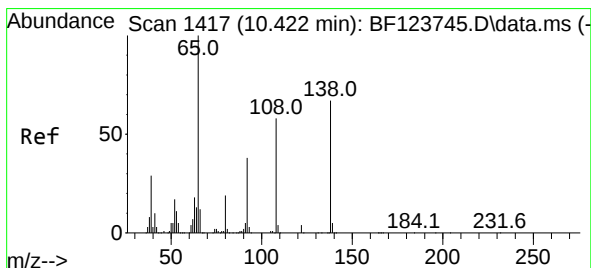
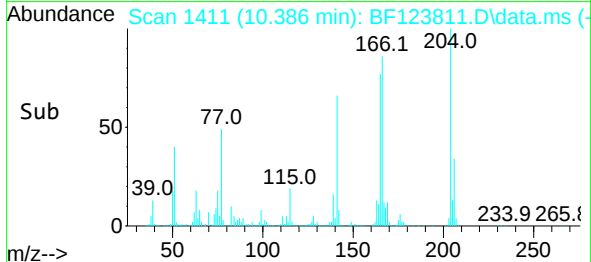
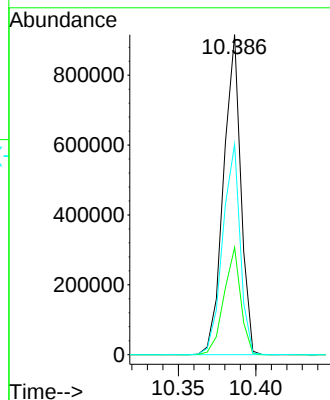
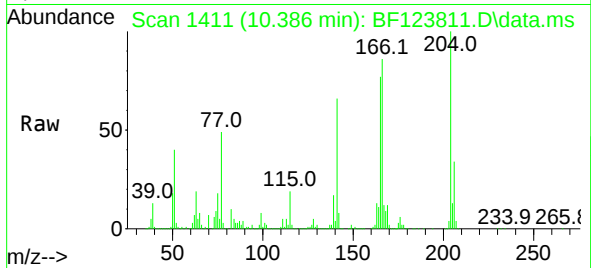




#61  
4-Chlorophenyl-phenylether  
Concen: 47.13 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

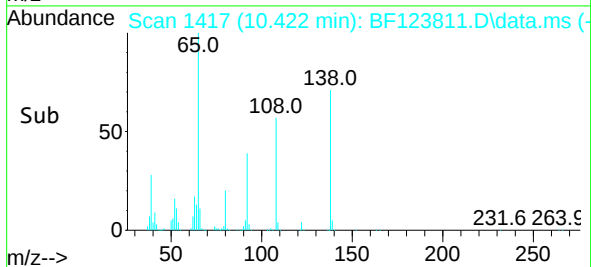
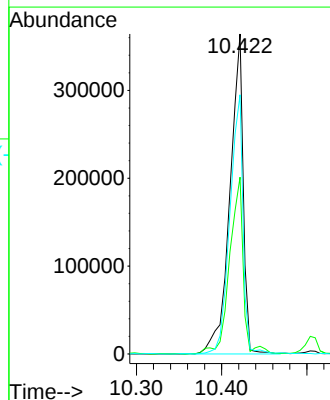
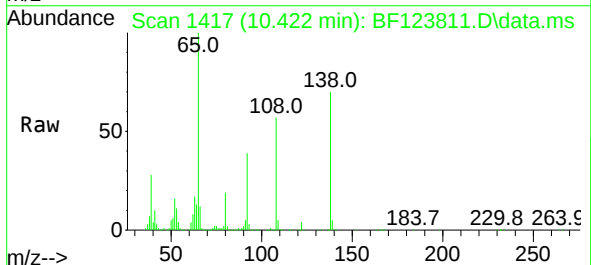
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

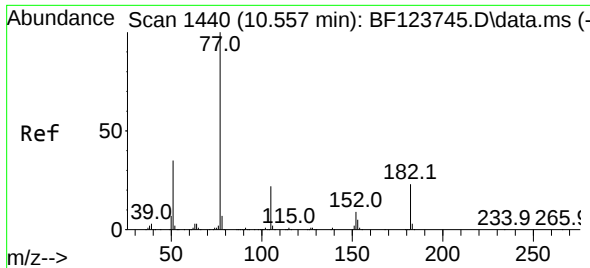
Tgt Ion:204 Resp: 710739  
Ion Ratio Lower Upper  
204 100  
206 33.5 25.7 38.5  
141 65.8 55.5 83.3



#62  
4-Nitroaniline  
Concen: 44.78 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:138 Resp: 395509  
Ion Ratio Lower Upper  
138 100  
92 55.3 35.8 75.8  
108 81.0 63.6 103.6



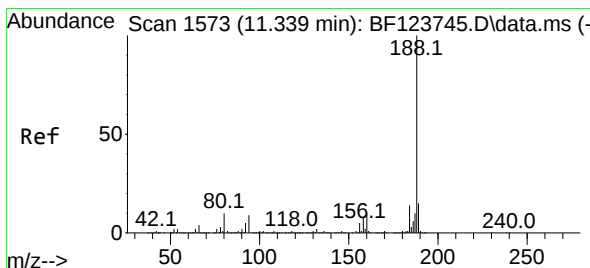
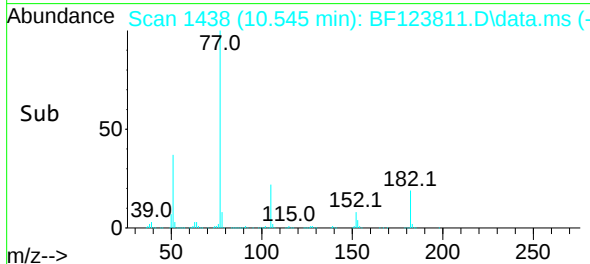
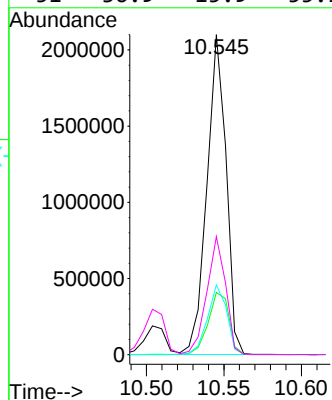
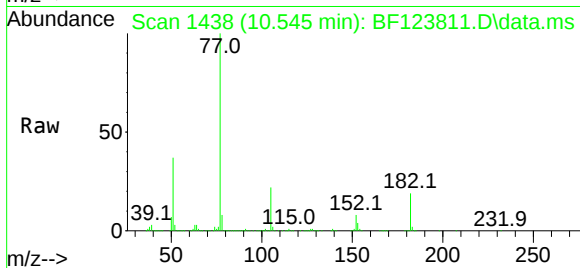


#63  
Azobenzene  
Concen: 45.72 ng  
RT: 10.545 min Scan# 1438  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

Tgt Ion: 77 Resp: 1805867

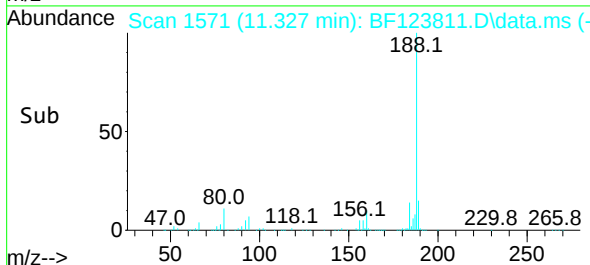
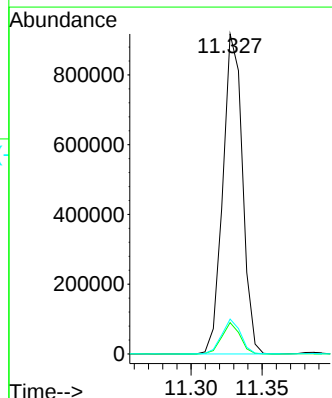
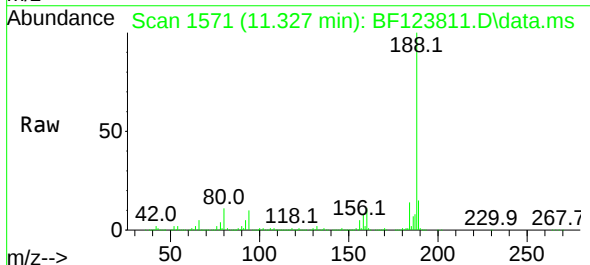
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 19.5  | 1.7   | 41.7  |
| 105 | 21.8  | 1.7   | 41.7  |
| 51  | 36.9  | 15.9  | 55.9  |

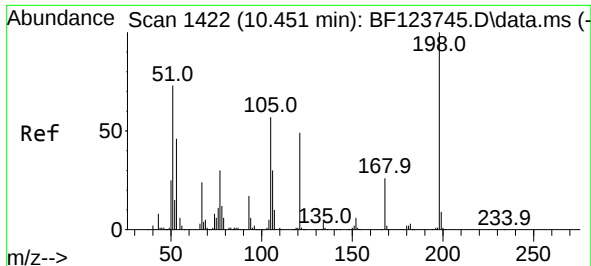


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.327 min Scan# 1571  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion: 188 Resp: 878543

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.8   | 6.9   | 10.3  |
| 80  | 10.9  | 8.2   | 12.2  |

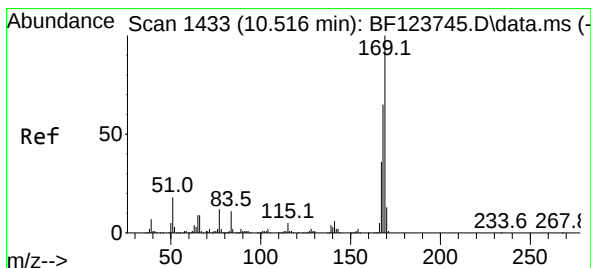
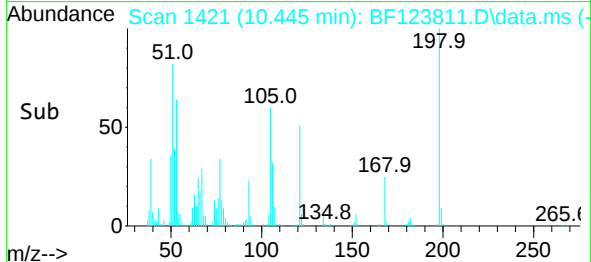
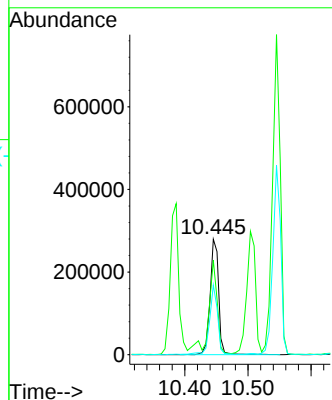
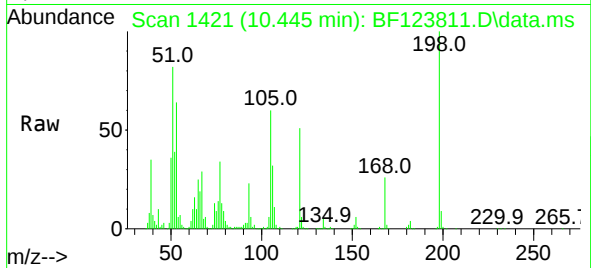




#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.14 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

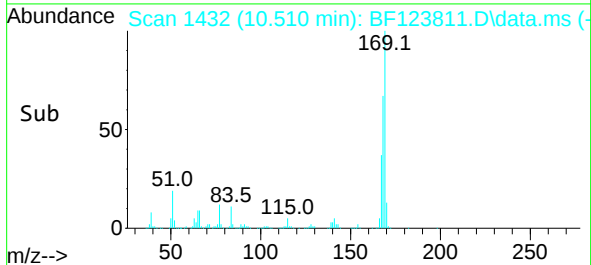
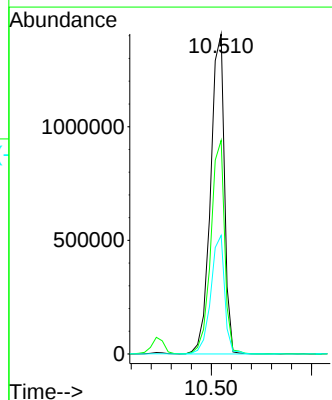
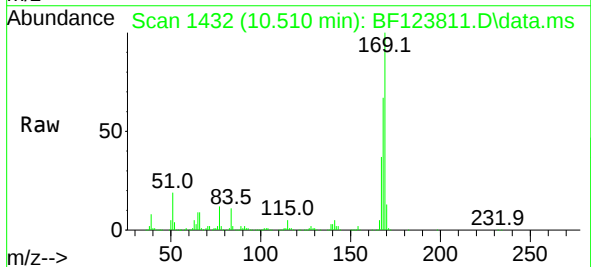
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

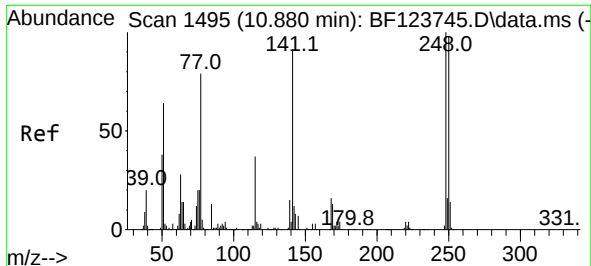
Tgt Ion:198 Resp: 262027  
Ion Ratio Lower Upper  
198 100  
51 81.7 64.8 104.8  
105 60.2 42.6 82.6



#66  
n-Nitrosodiphenylamine  
Concen: 47.06 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:169 Resp: 1352529  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.3 79.9  
167 37.0 29.9 44.9

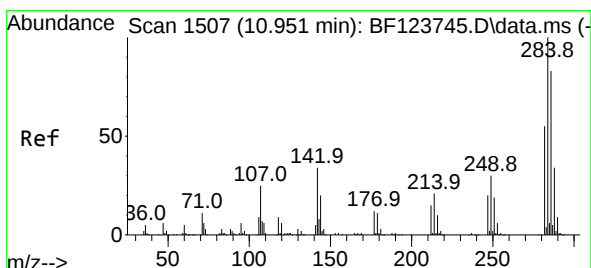
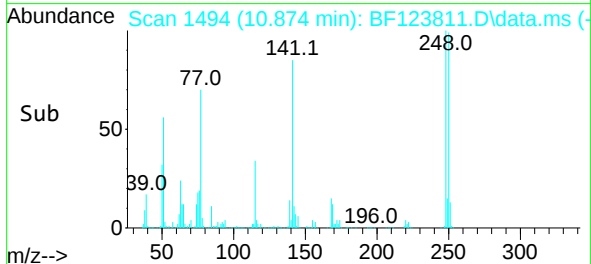
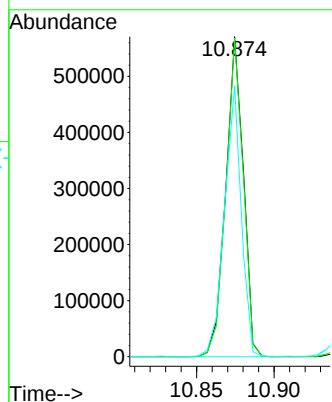
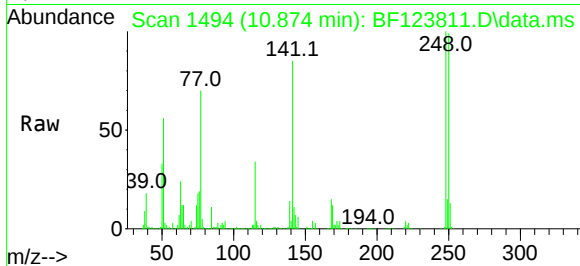




#67  
4-Bromophenyl-phenylether  
Concen: 48.81 ng  
RT: 10.874 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

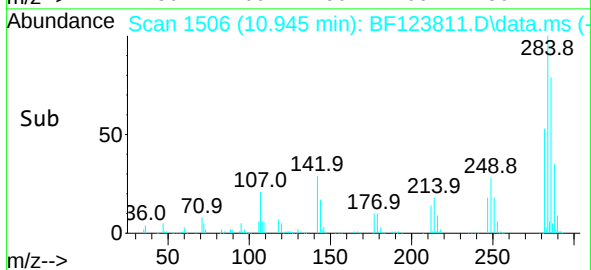
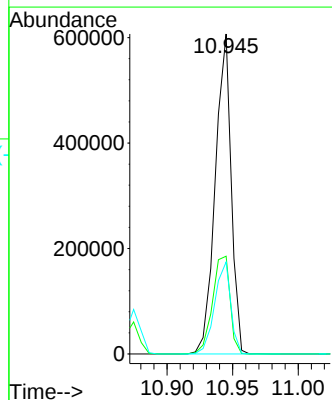
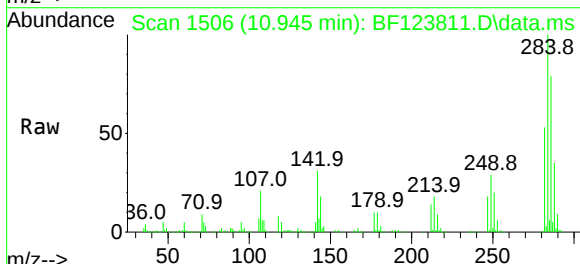
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

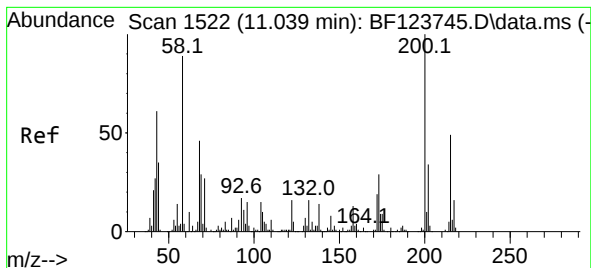
Tgt Ion:248 Resp: 451586  
Ion Ratio Lower Upper  
248 100  
250 99.5 77.4 116.2  
141 84.7 63.7 95.5



#68  
Hexachlorobenzene  
Concen: 48.58 ng  
RT: 10.945 min Scan# 1506  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:284 Resp: 511536  
Ion Ratio Lower Upper  
284 100  
142 30.6 28.3 42.5  
249 28.8 23.5 35.3





#69

Atrazine

Concen: 49.68 ng

RT: 11.039 min Scan# 1522

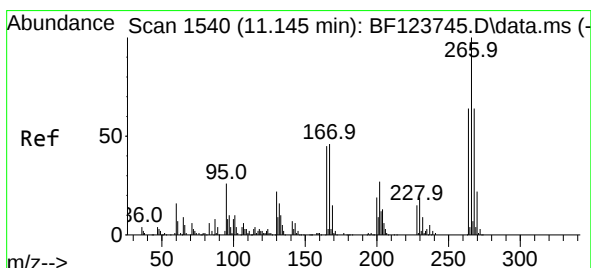
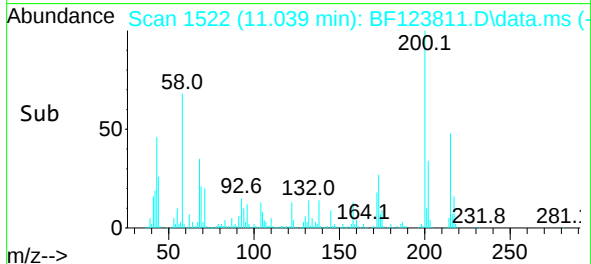
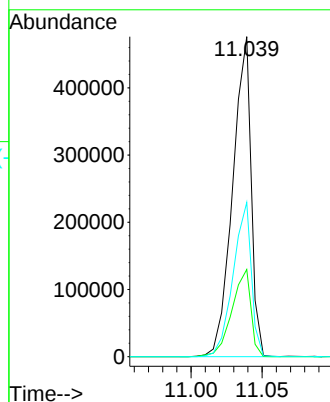
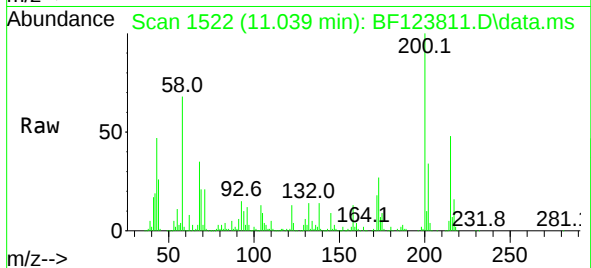
Delta R.T. 0.006 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:200 Resp: 431634

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 27.3  | 6.9   | 46.9  |
| 215 | 48.2  | 26.5  | 66.5  |



#70

Pentachlorophenol

Concen: 104.13 ng

RT: 11.139 min Scan# 1539

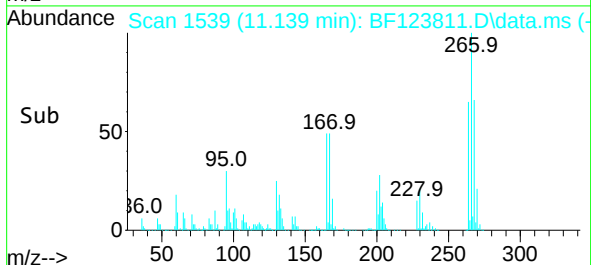
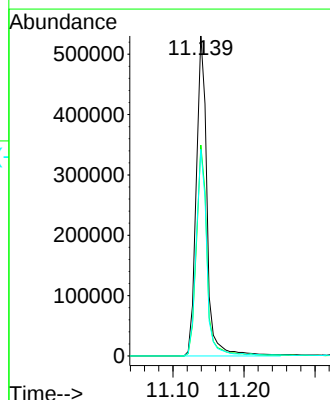
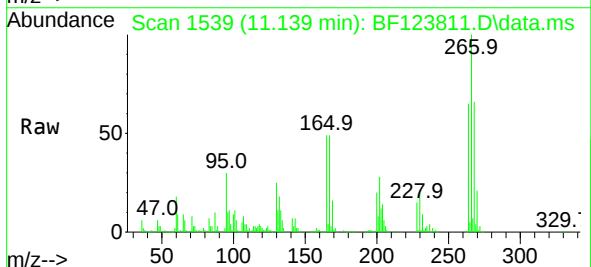
Delta R.T. -0.000 min

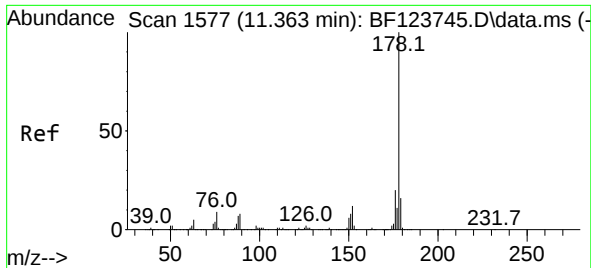
Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:266 Resp: 558875

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 65.9  | 51.6  | 77.4  |
| 264 | 64.5  | 52.6  | 78.8  |

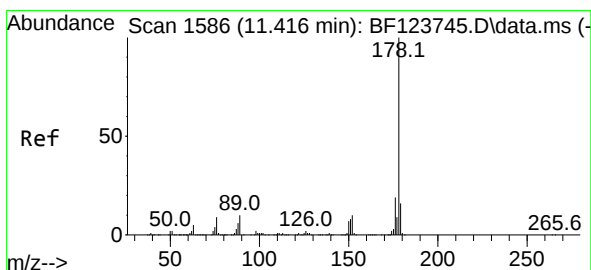
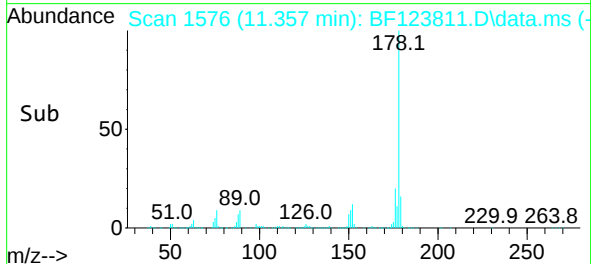
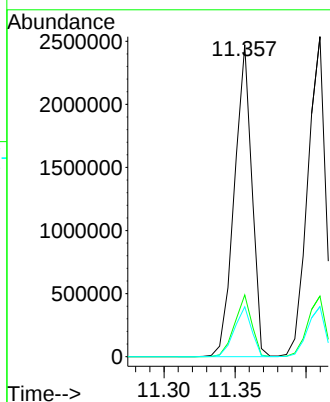
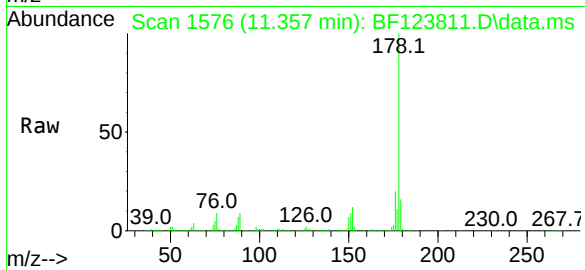




#71  
Phenanthrene  
Concen: 45.95 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

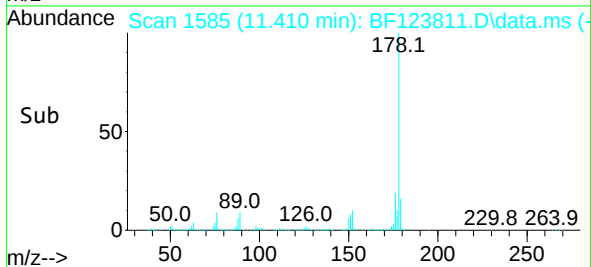
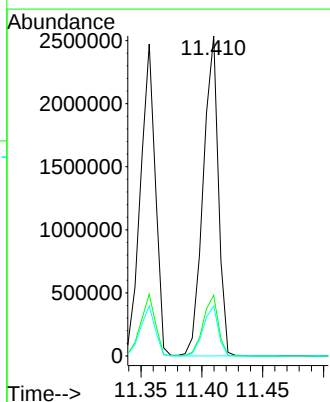
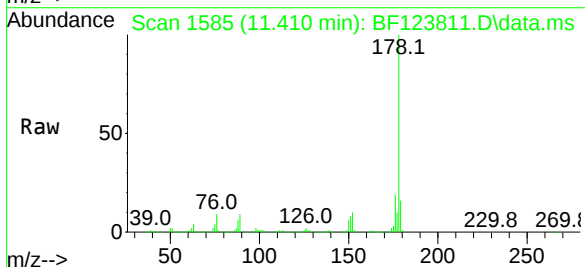
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

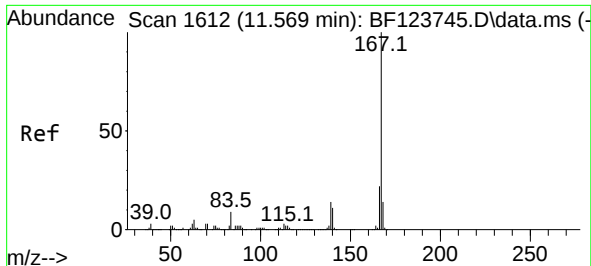
Tgt Ion:178 Resp: 2117334  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.6 23.4  
179 16.0 12.5 18.7



#72  
Anthracene  
Concen: 47.88 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:178 Resp: 2193634  
Ion Ratio Lower Upper  
178 100  
176 18.9 15.4 23.0  
179 15.7 12.6 18.8

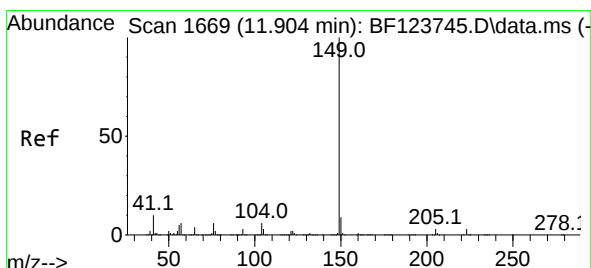
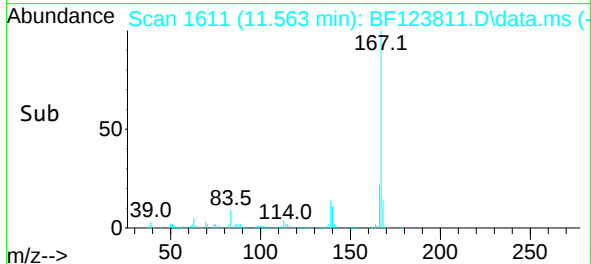
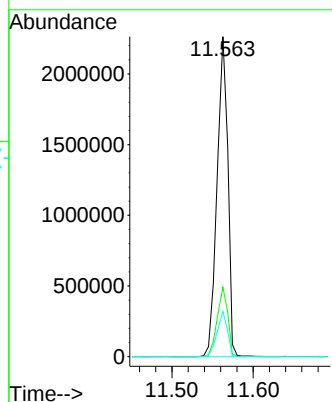
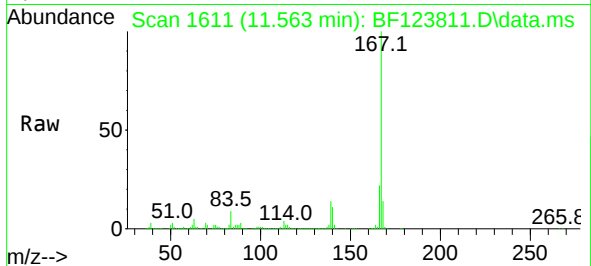




#73  
Carbazole  
Concen: 44.99 ng  
RT: 11.563 min Scan# 1611  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

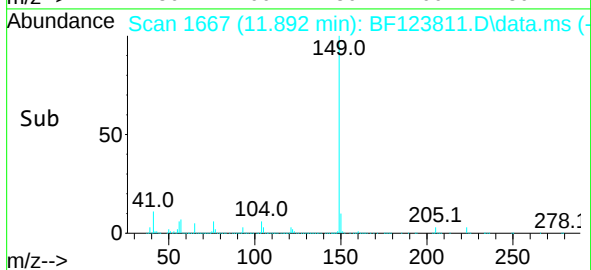
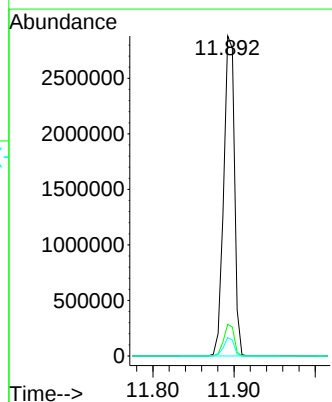
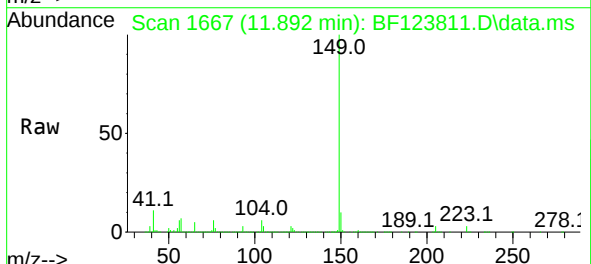
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

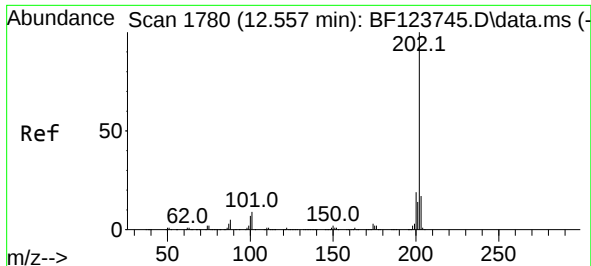
Tgt Ion:167 Resp: 2083517  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.0 25.6  
139 14.1 10.4 15.6



#74  
Di-n-butylphthalate  
Concen: 51.43 ng  
RT: 11.892 min Scan# 1667  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:149 Resp: 2673615  
Ion Ratio Lower Upper  
149 100  
150 9.9 7.8 11.8  
104 5.8 4.6 6.8

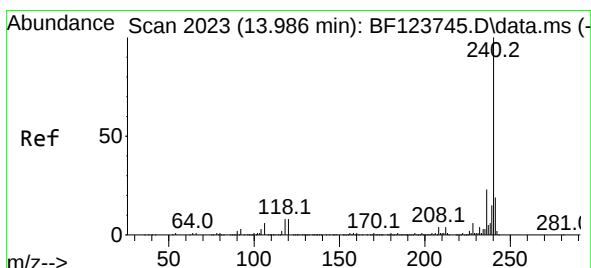
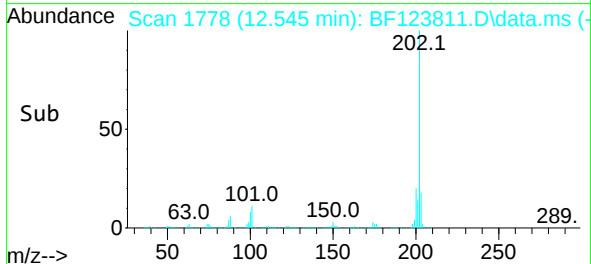
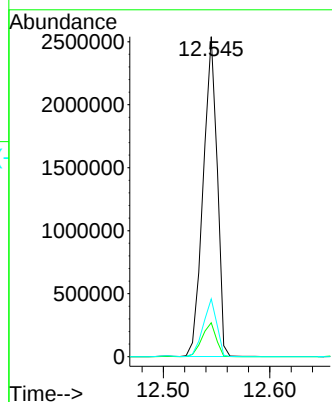
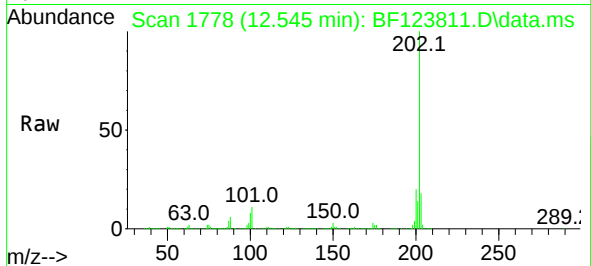




#75  
Fluoranthene  
Concen: 46.26 ng  
RT: 12.545 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

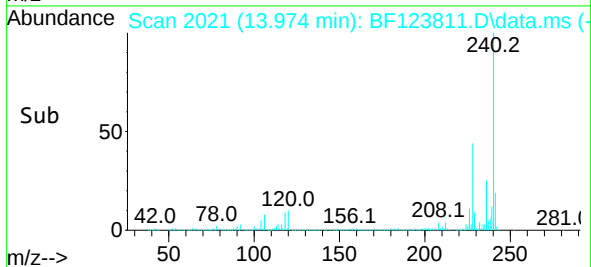
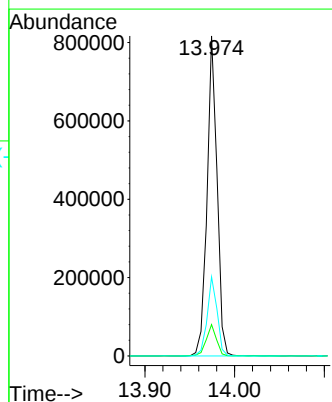
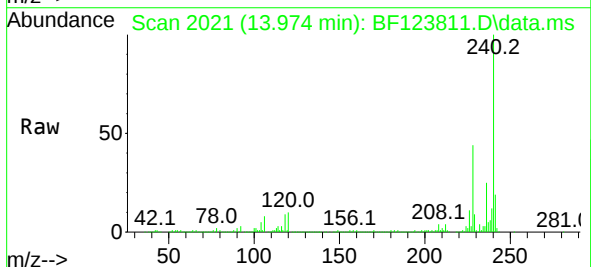
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

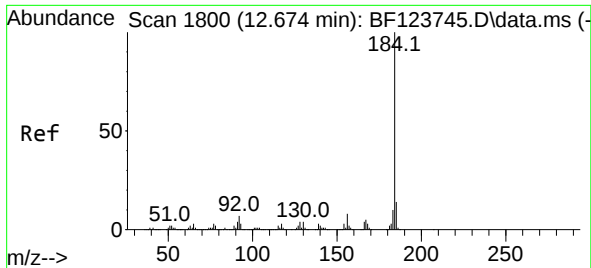
Tgt Ion:202 Resp: 2325097  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 30.9  
203 18.1 0.0 37.5



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:240 Resp: 632523  
Ion Ratio Lower Upper  
240 100  
120 9.8 7.2 10.8  
236 24.7 19.0 28.4

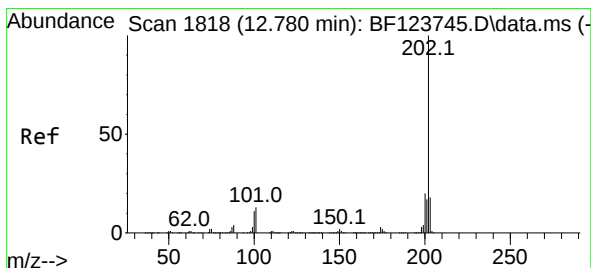
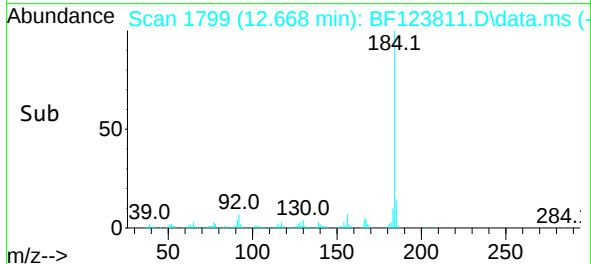
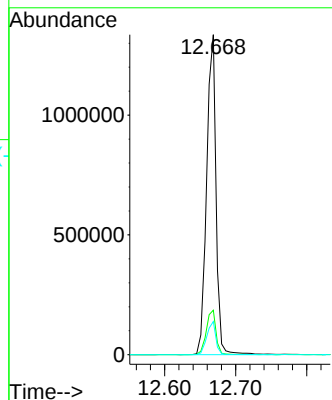
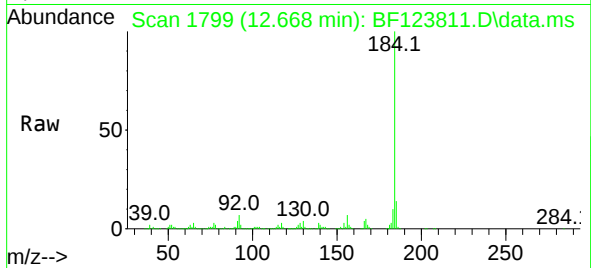




#77  
Benzidine  
Concen: 75.21 ng  
RT: 12.668 min Scan# 1799  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

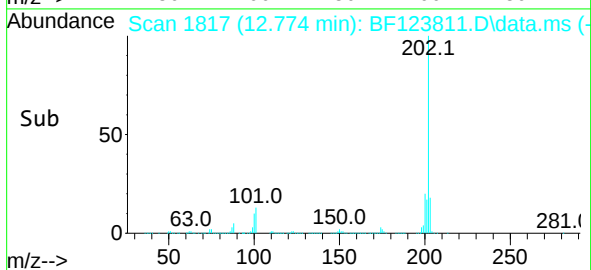
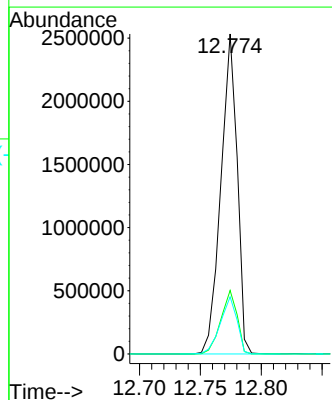
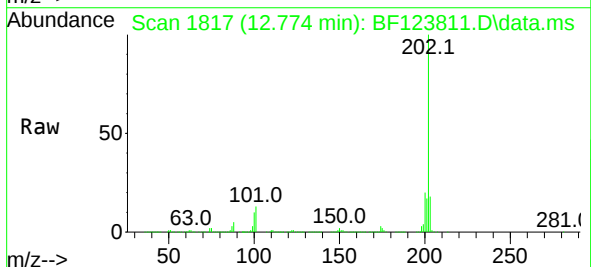
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

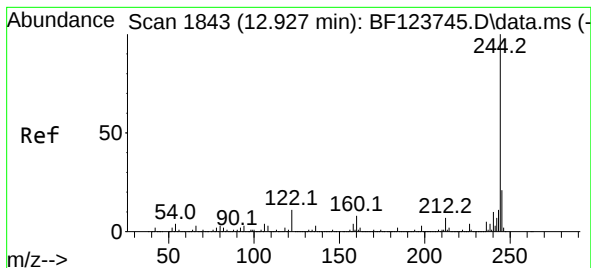
Tgt Ion:184 Resp: 1231969  
Ion Ratio Lower Upper  
184 100  
185 13.9 12.1 18.1  
183 10.3 7.8 11.8



#78  
Pyrene  
Concen: 48.06 ng  
RT: 12.774 min Scan# 1817  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:202 Resp: 2359428  
Ion Ratio Lower Upper  
202 100  
200 19.8 16.1 24.1  
203 17.8 14.8 22.2





#79

Terphenyl-d14

Concen: 93.70 ng

RT: 12.921 min Scan# 1842

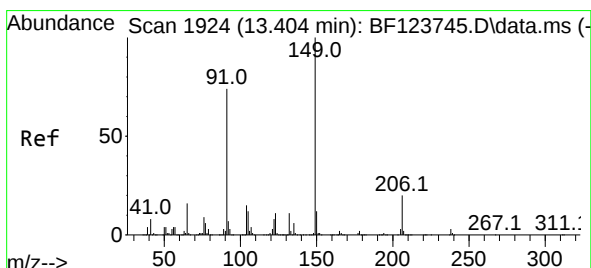
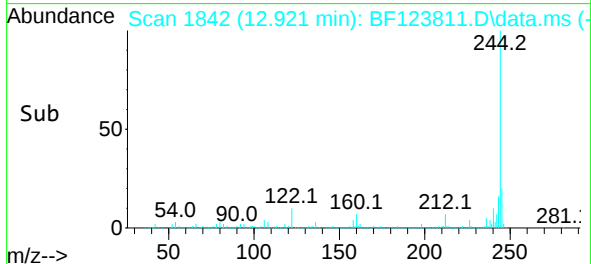
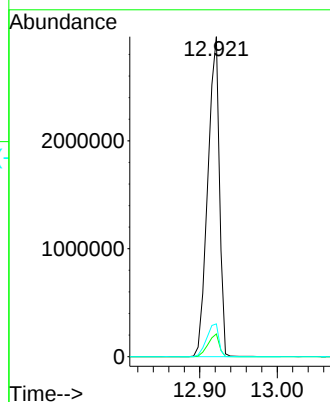
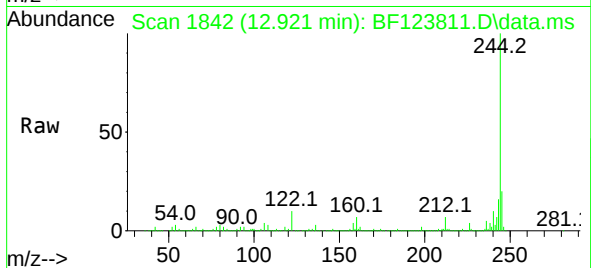
Delta R.T. 0.006 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:244 Resp: 3077781

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.1   | 5.7   | 8.5   |
| 122 | 10.2  | 9.7   | 14.5  |



#80

Butylbenzylphthalate

Concen: 53.59 ng

RT: 13.398 min Scan# 1923

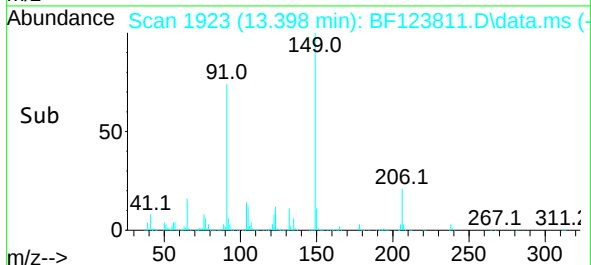
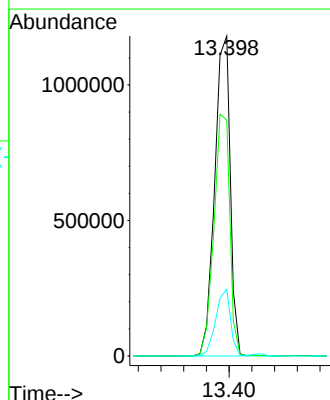
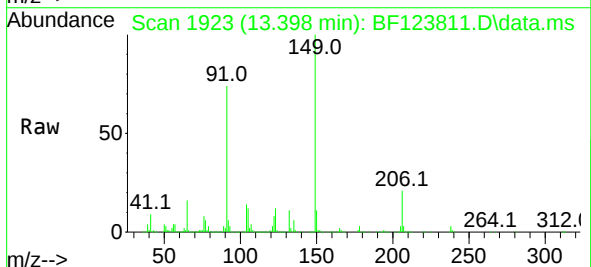
Delta R.T. 0.006 min

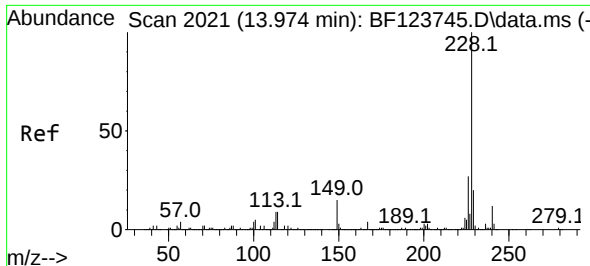
Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:149 Resp: 1124062

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 91  | 73.7  | 63.6  | 95.4  |
| 206 | 20.9  | 14.5  | 21.7  |

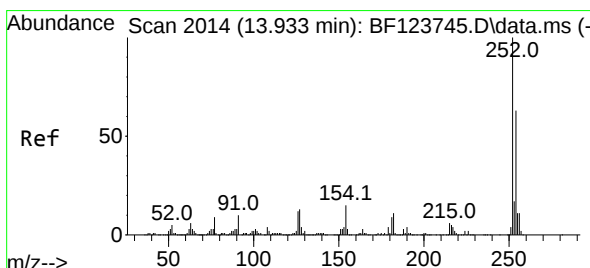
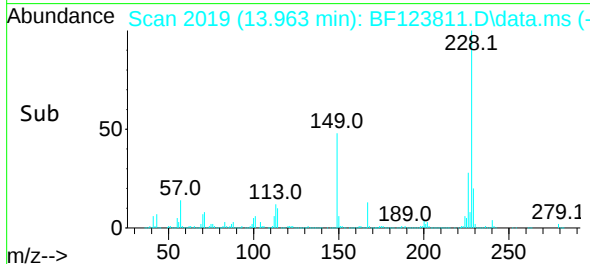
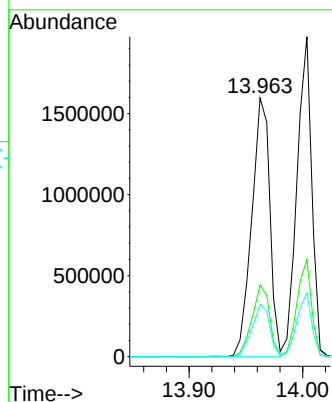
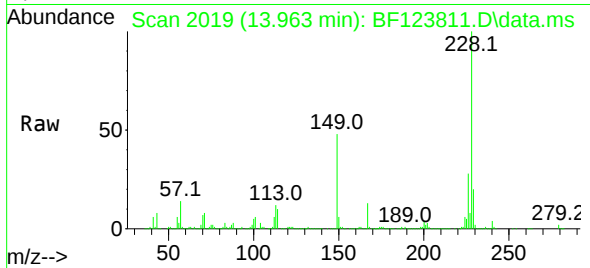




#81  
Benzo(a)anthracene  
Concen: 46.06 ng  
RT: 13.963 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

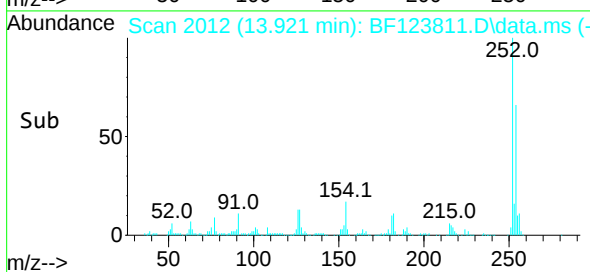
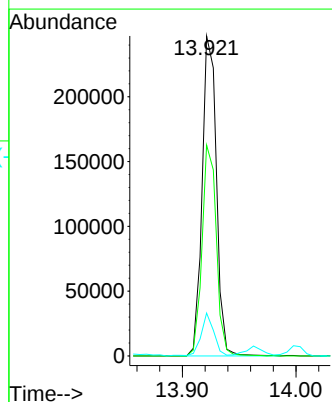
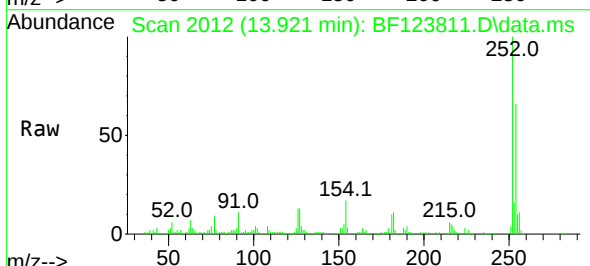
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

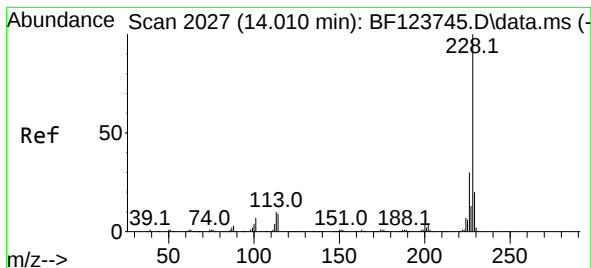
Tgt Ion:228 Resp: 1765672  
Ion Ratio Lower Upper  
228 100  
226 27.6 22.4 33.6  
229 20.1 16.0 24.0



#82  
3,3'-Dichlorobenzidine  
Concen: 18.37 ng  
RT: 13.921 min Scan# 2012  
Delta R.T. -0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:252 Resp: 216212  
Ion Ratio Lower Upper  
252 100  
254 65.9 51.1 76.7  
126 13.4 7.7 11.5#





#83

Chrysene

Concen: 46.18 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

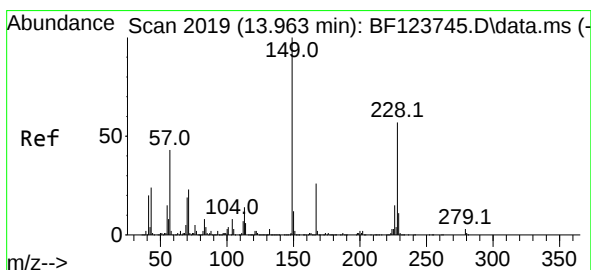
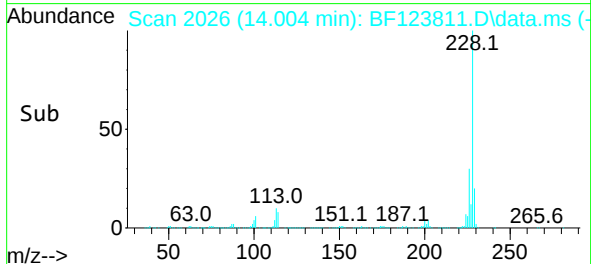
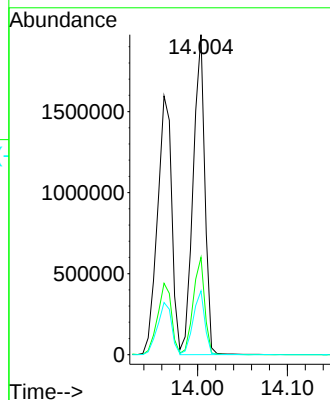
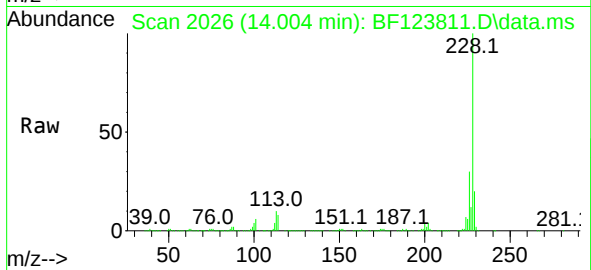
Tgt Ion:228 Resp: 1780937

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

229 20.0 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.60 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

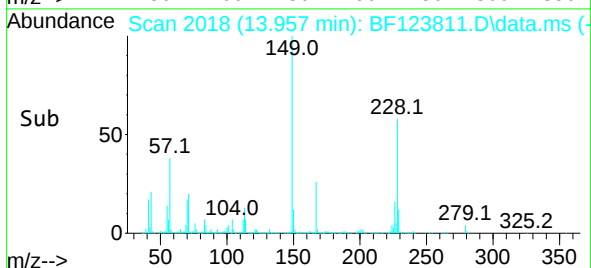
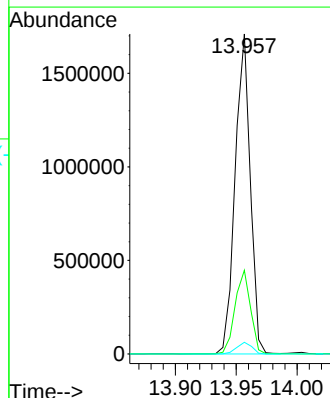
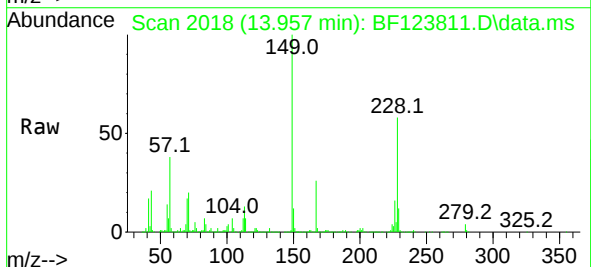
Tgt Ion:149 Resp: 1474758

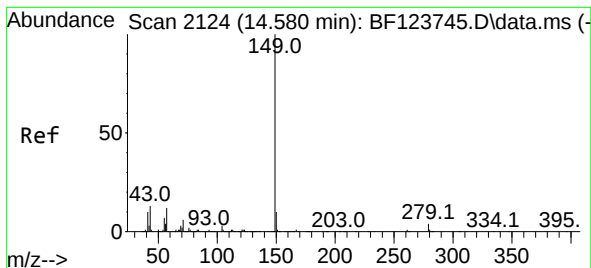
Ion Ratio Lower Upper

149 100

167 26.1 21.8 32.6

279 3.7 3.3 4.9

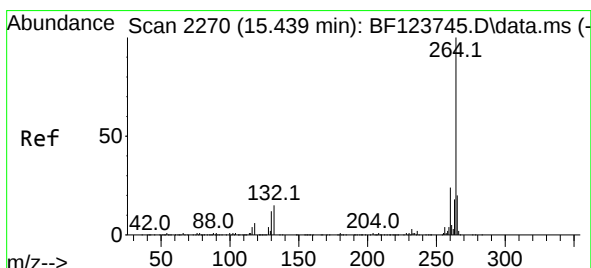
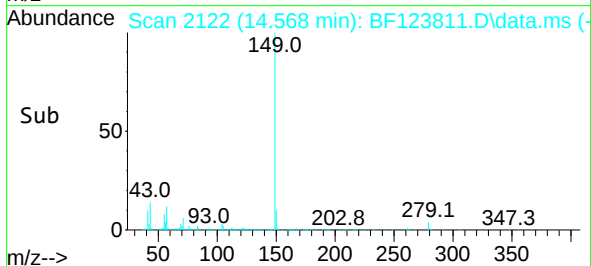
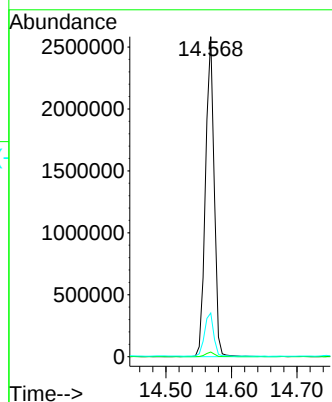
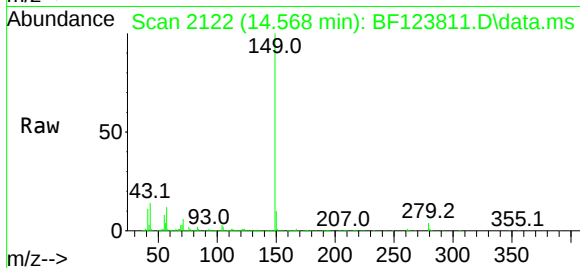




#85  
Di-n-octyl phthalate  
Concen: 56.97 ng  
RT: 14.568 min Scan# 2122  
Delta R.T. 0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

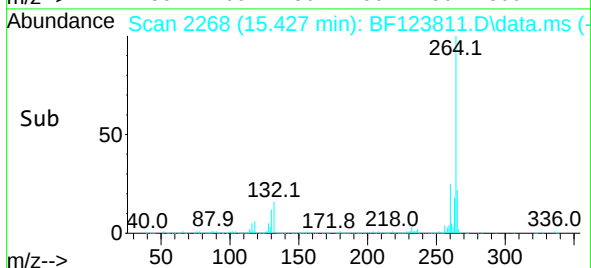
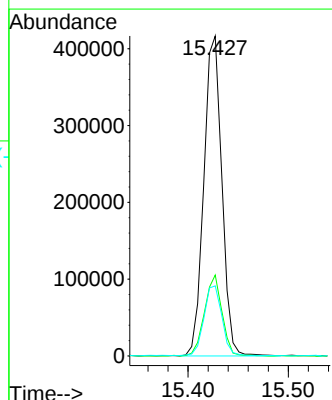
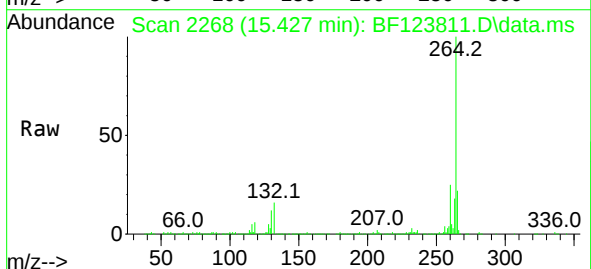
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

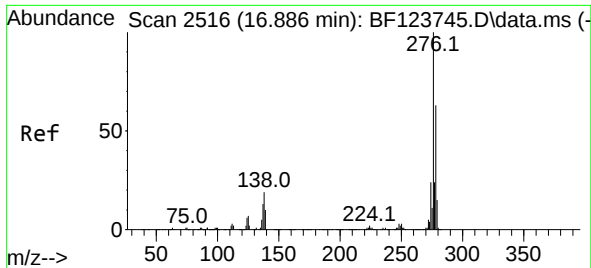
Tgt Ion:149 Resp: 2373655  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 14.1 11.8 17.6



#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.427 min Scan# 2268  
Delta R.T. -0.000 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:264 Resp: 523165  
Ion Ratio Lower Upper  
264 100  
260 25.3 18.7 28.1  
265 21.9 17.8 26.8

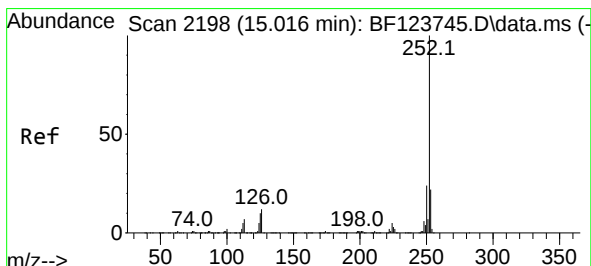
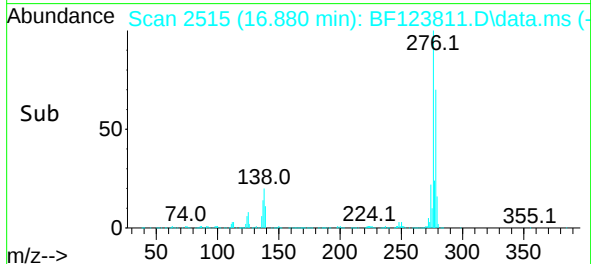
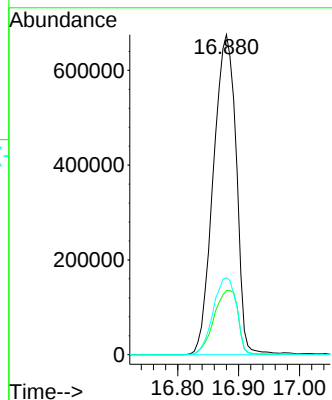
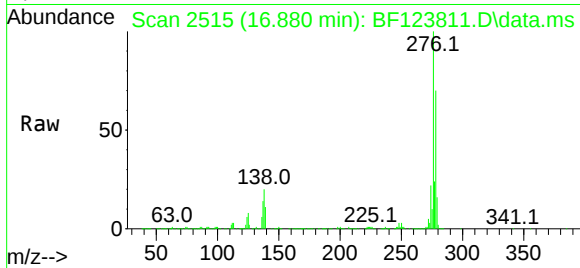




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 57.87 ng  
RT: 16.880 min Scan# 2515  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

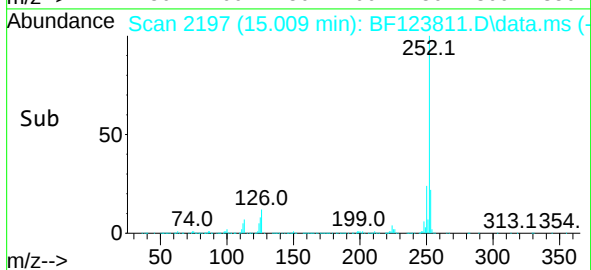
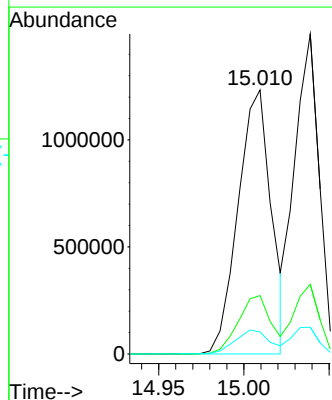
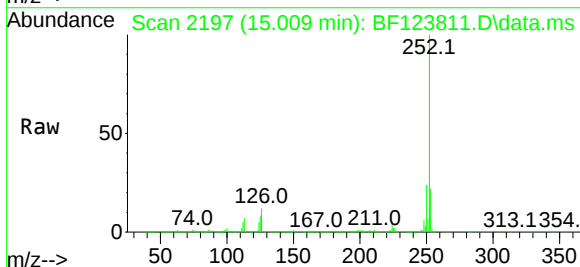
Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

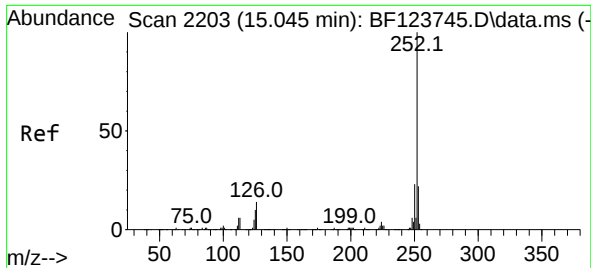
Tgt Ion:276 Resp: 1763365  
Ion Ratio Lower Upper  
276 100  
138 21.2 16.2 24.2  
277 24.7 20.1 30.1



#88  
Benzo(b)fluoranthene  
Concen: 47.43 ng  
RT: 15.009 min Scan# 2197  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:252 Resp: 1672252  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.1 27.1  
125 8.3 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 45.04 ng

RT: 15.039 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

Tgt Ion:252 Resp: 1515345

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

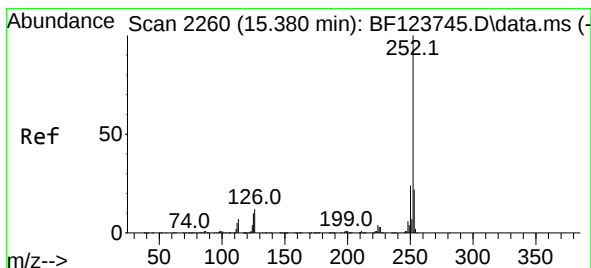
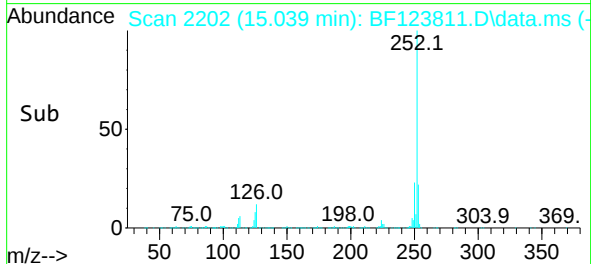
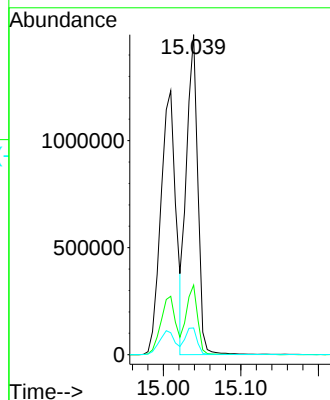
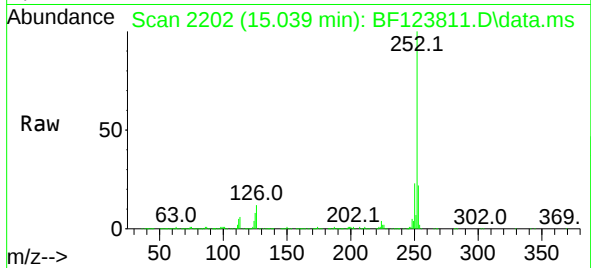
125 8.4 7.0 10.6

Instrument :

BNA\_F

ClientSampleId :

290MSD



#90

Benzo(a)pyrene

Concen: 49.63 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF123811.D

Acq: 4 May 2021 16:37

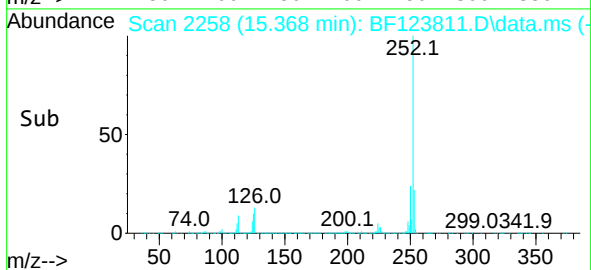
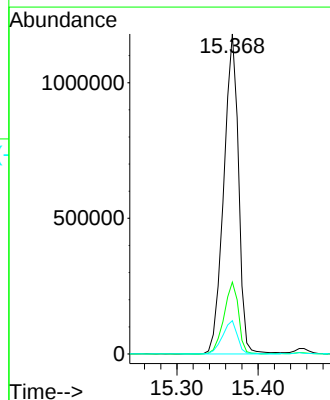
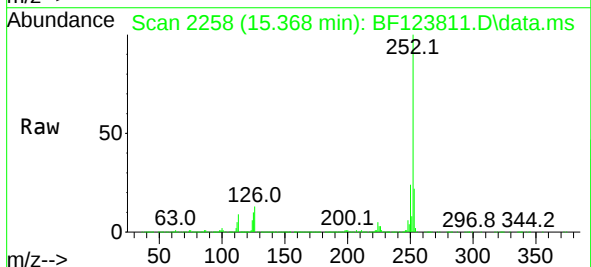
Tgt Ion:252 Resp: 1496197

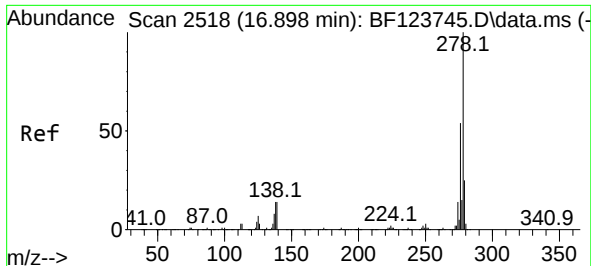
Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

125 10.4 8.0 12.0

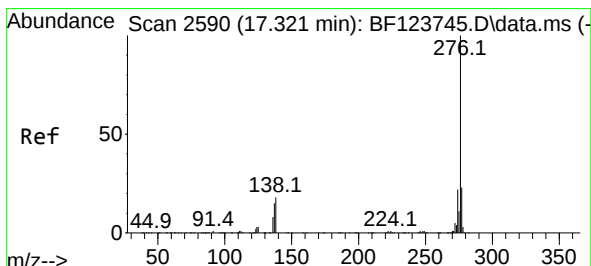
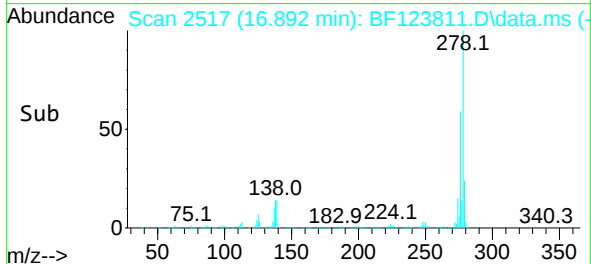
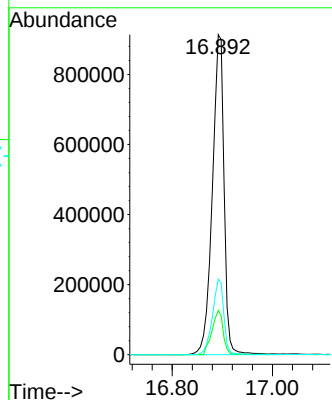
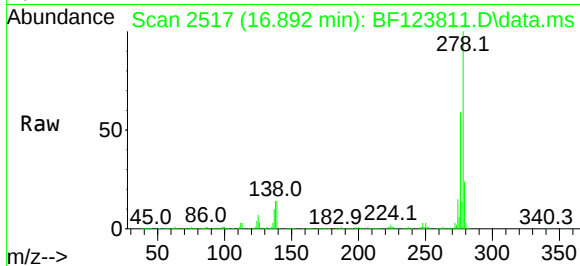




#91  
Dibenzo(a,h)anthracene  
Concen: 57.59 ng  
RT: 16.892 min Scan# 2517  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Instrument :  
BNA\_F  
ClientSampleId :  
290MSD

Tgt Ion:278 Resp: 1481363  
Ion Ratio Lower Upper  
278 100  
139 13.8 10.2 15.2  
279 23.6 19.4 29.0



#92  
Benzo(g,h,i)perylene  
Concen: 59.05 ng  
RT: 17.315 min Scan# 2589  
Delta R.T. 0.006 min  
Lab File: BF123811.D  
Acq: 4 May 2021 16:37

Tgt Ion:276 Resp: 1521413  
Ion Ratio Lower Upper  
276 100  
277 24.5 18.2 27.2  
138 19.9 13.8 20.6

