

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120320\  
 Data File : BF122532.D  
 Acq On : 3 Dec 2020 11:36  
 Operator : JU/CG  
 Sample : PB133348BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133348BS

Manual Integrations  
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monammad

12/7/2020 8:52:42 AM

Quant Time: Dec 03 12:20:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 24 14:38:56 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.857  | 152  | 257614   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.145  | 136  | 1015155  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.904  | 164  | 552498   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.386 | 188  | 1013563  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 763859   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 15.504 | 264  | 684639   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 1871090  | 111.53 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.504  | 99   | 2430491  | 110.74 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.428  | 82   | 1570174  | 94.69  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.698 | 330  | 803288   | 135.47 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.222  | 172  | 2734685  | 77.34  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 2969277  | 82.35  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) 1,4-Dioxane                | 2.746  | 88   | 263612   | 34.26  | ng    | 88       |
| 3) Pyridine                   | 3.481  | 79   | 775439   | 36.65  | ng    | 88       |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 367648   | 36.85  | ng    | 88       |
| 6) Aniline                    | 6.522  | 93   | 865020   | 30.04  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.645  | 128  | 830685   | 47.74  | ng    | 91       |
| 9) Benzaldehyde               | 6.404  | 77   | 462738   | 39.76  | ng    | 99       |
| 10) Phenol                    | 6.516  | 94   | 956470   | 44.25  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.598  | 93   | 773018   | 45.00  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.798  | 146  | 862853   | 43.68  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.875  | 146  | 869249   | 43.81  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.028  | 146  | 836088   | 45.15  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.004  | 79   | 671841   | 43.05  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.133  | 45   | 1012866  | 40.45  | ng    | 91       |
| 17) 2-Methylphenol            | 7.122  | 107  | 693359   | 47.75  | ng    | 97       |
| 18) Hexachloroethane          | 7.369  | 117  | 312550   | 45.23  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.281  | 70   | 555194   | 42.33  | ng    | 93       |
| 20) 3+4-Methylphenols         | 7.275  | 107  | 771046   | 43.15  | ng    | 92       |
| 22) Acetophenone              | 7.269  | 105  | 1030724  | 38.98  | ng    | # 95     |
| 24) Nitrobenzene              | 7.445  | 77   | 842390   | 44.40  | ng    | 96       |
| 25) Isophorone                | 7.686  | 82   | 1548915  | 41.90  | ng    | 96       |
| 26) 2-Nitrophenol             | 7.763  | 139  | 438794   | 52.53  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.798  | 122  | 729663   | 41.85  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.892  | 93   | 964682   | 42.67  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.004  | 162  | 715373   | 46.34  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.086  | 180  | 744206   | 43.68  | ng    | 95       |
| 31) Naphthalene               | 8.169  | 128  | 2255058  | 41.78  | ng    | 99       |
| 32) Benzoic acid              | 7.951  | 122  | 459161   | 47.64  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.210  | 127  | 438027   | 18.64  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 450758   | 46.03  | ng    | 98       |
| 35) Caprolactam               | 8.604  | 113  | 220730m  | 45.11  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.704  | 107  | 753194   | 46.78  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 1527130  | 42.83  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.957  | 142  | 1433646  | 42.95  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.027  | 216  | 717559   | 42.15  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 817311   | 82.10  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.139  | 196  | 518328   | 46.88  | ng    | 98       |

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Quant Time: Dec 03 12:20:40 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 24 14:38:56 2020  
 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.180  | 196  | 557288   | 48.08 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.327  | 154  | 1802806  | 40.99 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.351  | 162  | 1425856  | 40.85 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.445  | 65   | 443019   | 43.19 | ng    | 90       |
| 49) Acenaphthylene            | 9.769  | 152  | 2240873  | 41.77 | ng    | 99       |
| 50) Dimethylphthalate         | 9.633  | 163  | 1824544  | 46.46 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.692  | 165  | 413366   | 47.35 | ng    | # 77     |
| 52) Acenaphthene              | 9.939  | 154  | 1559404m | 46.96 | ng    |          |
| 53) 3-Nitroaniline            | 9.857  | 138  | 258509   | 27.60 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.969  | 184  | 386919   | 94.17 | ng    | 95       |
| 55) Dibenzofuran              | 10.110 | 168  | 2033362  | 41.79 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.033 | 139  | 634729   | 74.50 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.098 | 165  | 539457   | 48.89 | ng    | 89       |
| 58) Fluorene                  | 10.457 | 166  | 1549511  | 41.59 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.227 | 232  | 479508   | 49.75 | ng    | 97       |
| 60) Diethylphthalate          | 10.327 | 149  | 1731173  | 44.94 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 763727   | 43.43 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.480 | 138  | 420912   | 43.56 | ng    | 98       |
| 63) Azobenzene                | 10.604 | 77   | 1631439  | 40.37 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 280149   | 58.44 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.563 | 169  | 1471401  | 42.61 | ng    | 94       |
| 67) 4-Bromophenyl-phenylether | 10.933 | 248  | 545555   | 45.80 | ng    | 98       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 593821   | 46.15 | ng    | 95       |
| 69) Atrazine                  | 11.092 | 200  | 444808   | 51.72 | ng    | 99       |
| 70) Pentachlorophenol         | 11.198 | 266  | 678056   | 91.46 | ng    | 98       |
| 71) Phenanthrene              | 11.416 | 178  | 2359978  | 41.04 | ng    | 98       |
| 72) Anthracene                | 11.469 | 178  | 2433313  | 41.06 | ng    | 98       |
| 73) Carbazole                 | 11.621 | 167  | 2215369  | 41.09 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 2591199  | 45.08 | ng    | 100      |
| 75) Fluoranthene              | 12.604 | 202  | 2492342  | 41.51 | ng    | 99       |
| 77) Benzidine                 | 12.721 | 184  | 1092858  | 51.58 | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 2503228  | 46.65 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 1109619  | 51.32 | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 2103266  | 44.27 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.986 | 252  | 591778   | 33.43 | ng    | 99       |
| 83) Chrysene                  | 14.062 | 228  | 2110262  | 44.10 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 1430722  | 55.29 | ng    | 97       |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 2448196  | 55.83 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 1915791  | 46.63 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.074 | 252  | 2192808  | 49.45 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 1859685  | 43.01 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.445 | 252  | 1754260  | 45.38 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.998 | 278  | 1576544  | 45.82 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.427 | 276  | 1545625  | 46.19 | ng    | 97       |

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





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.857 min Scan# 811  
 Delta R.T. 0.000 min  
 Lab File: BF122532.D  
 Acq: 3 Dec 2020 11:36

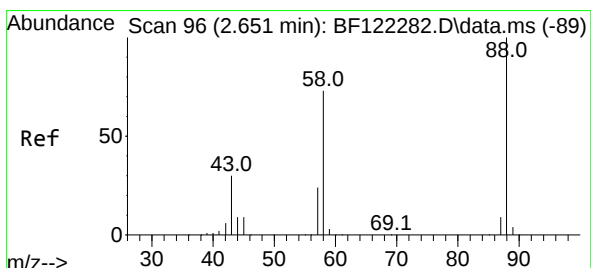
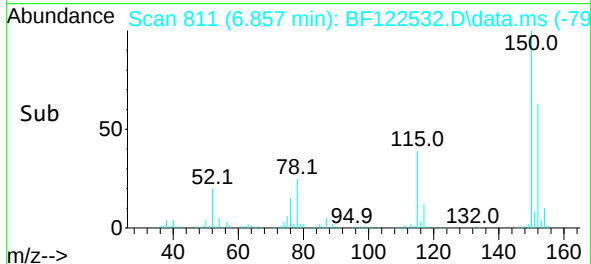
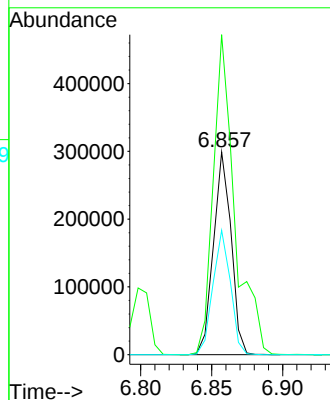
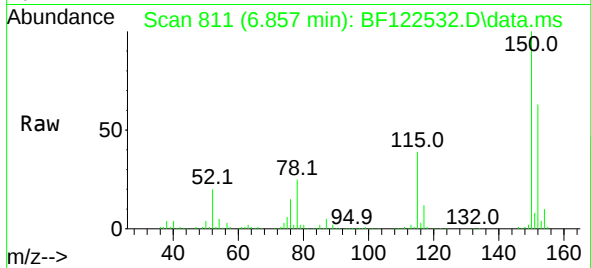
Tgt Ion:152 Resp: 257614  
 Ion Ratio Lower Upper  
 152 100  
 150 157.8 125.3 187.9  
 115 61.3 51.9 77.9

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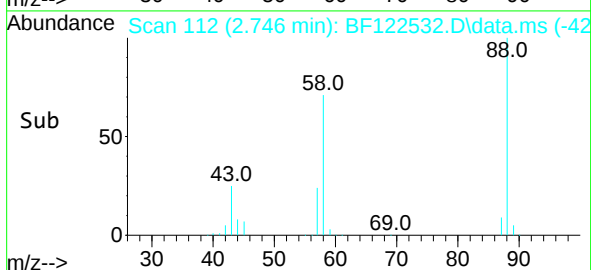
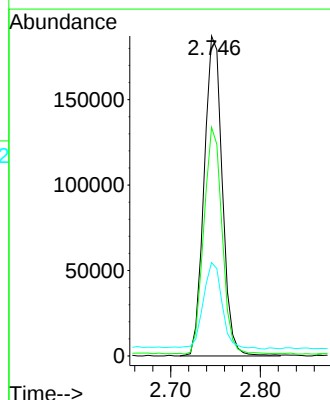
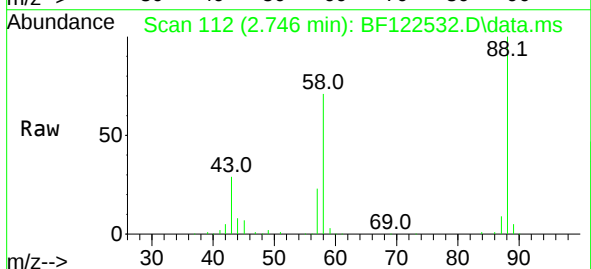
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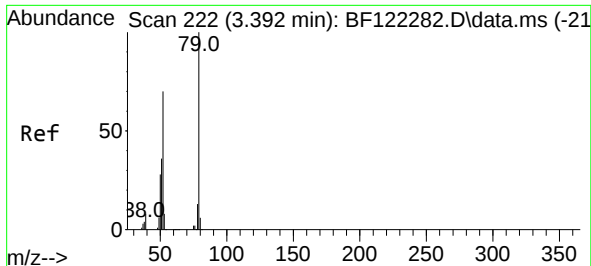
12/7/2020 8:52:42 AM



#2  
 1,4-Dioxane  
 Concen: 34.26 ng  
 RT: 2.746 min Scan# 112  
 Delta R.T. 0.112 min  
 Lab File: BF122532.D  
 Acq: 3 Dec 2020 11:36

Tgt Ion: 88 Resp: 263612  
 Ion Ratio Lower Upper  
 88 100  
 58 70.3 65.8 98.8  
 43 28.1 25.8 38.8





#3  
Pyridine  
Concen: 36.65 ng  
RT: 3.481 min Scan# 237  
Delta R.T. 0.100 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

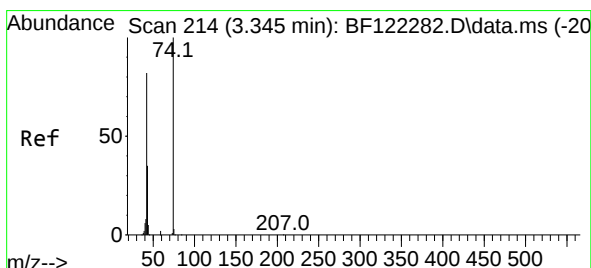
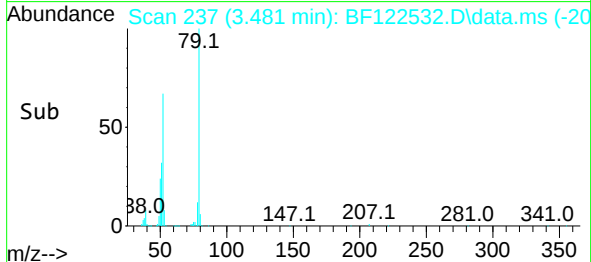
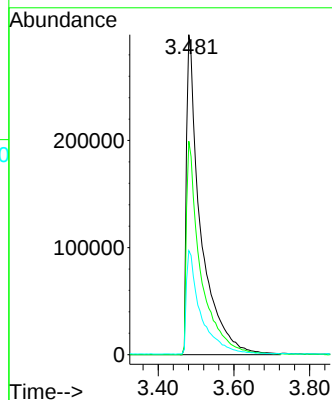
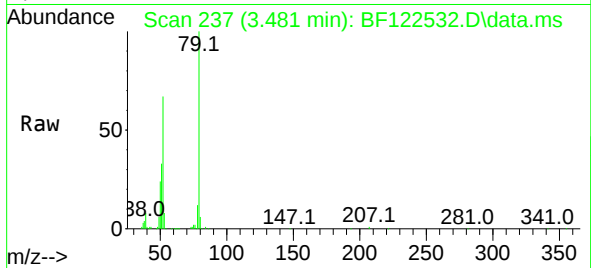
Tgt Ion: 79 Resp: 775439  
Ion Ratio Lower Upper  
79 100  
52 66.7 62.2 93.4  
51 32.5 31.1 46.7

Instrument :  
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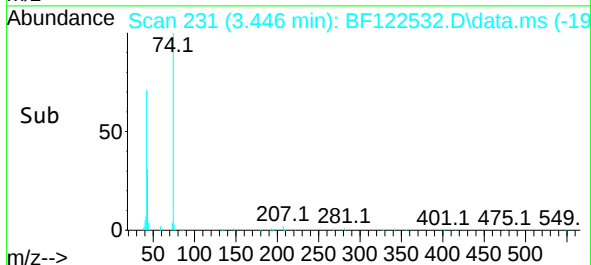
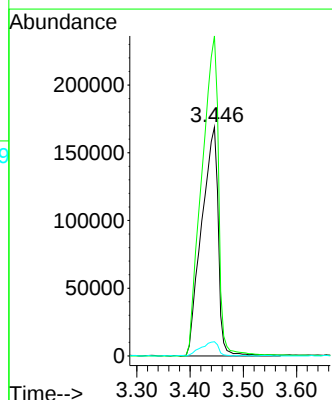
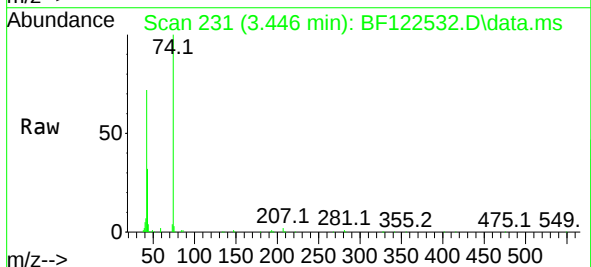
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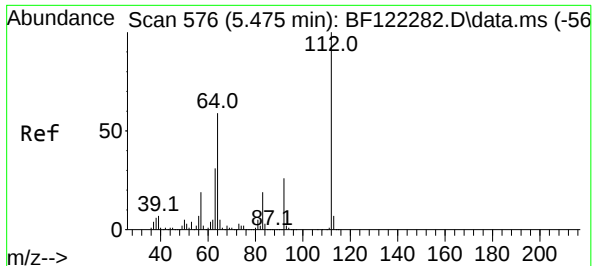
12/7/2020 8:52:42 AM



#4  
n-Nitrosodimethylamine  
Concen: 36.85 ng  
RT: 3.446 min Scan# 231  
Delta R.T. 0.106 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 42 Resp: 367648  
Ion Ratio Lower Upper  
42 100  
74 139.8 100.2 150.2  
44 6.2 5.8 8.6





#5  
2-Fluorophenol  
Concen: 111.53 ng  
RT: 5.498 min Scan# 580  
Delta R.T. 0.018 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

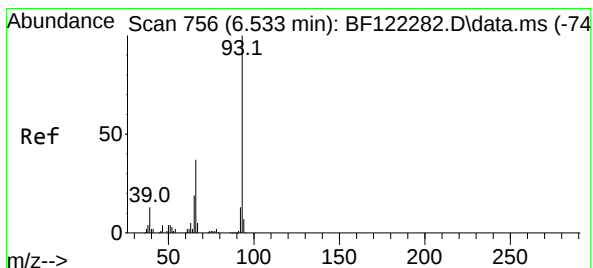
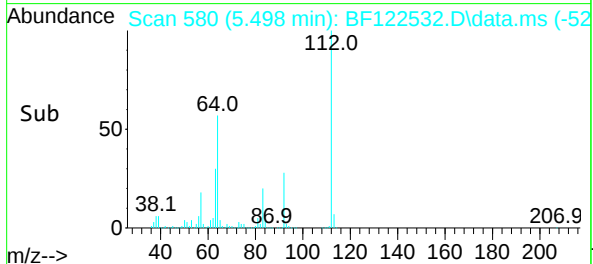
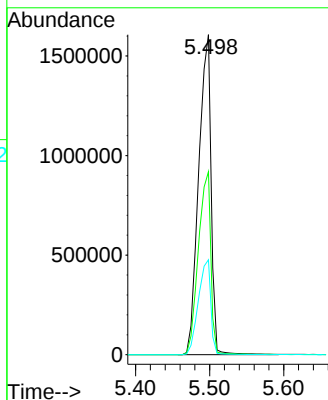
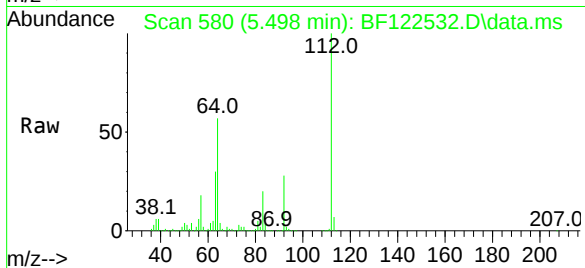
Tgt Ion: 112 Resp: 1871090  
Ion Ratio Lower Upper  
112 100  
64 57.2 50.4 75.6  
63 29.7 25.8 38.6

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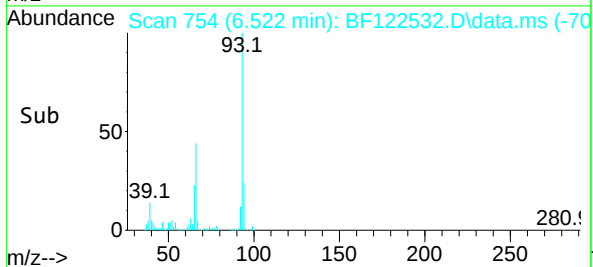
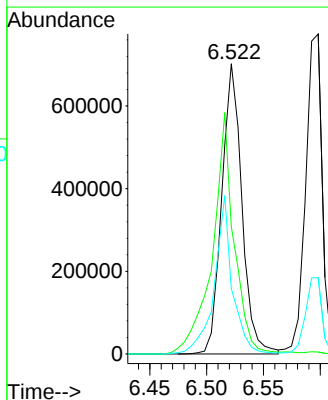
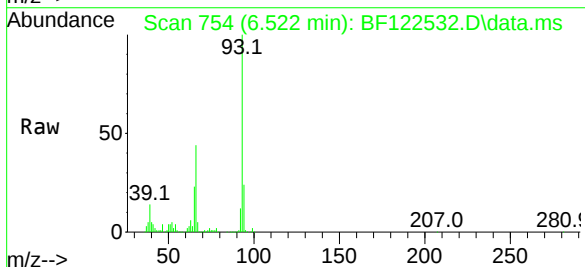
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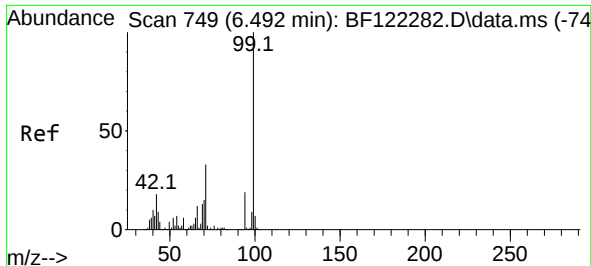
12/7/2020 8:52:42 AM



#6  
Aniline  
Concen: 30.04 ng  
RT: 6.522 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 93 Resp: 865020  
Ion Ratio Lower Upper  
93 100  
66 43.8 32.7 49.1  
65 22.5 16.6 24.8





#7  
Phenol-d6  
Concen: 110.74 ng  
RT: 6.504 min Scan# 751  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 99 Resp: 2430491

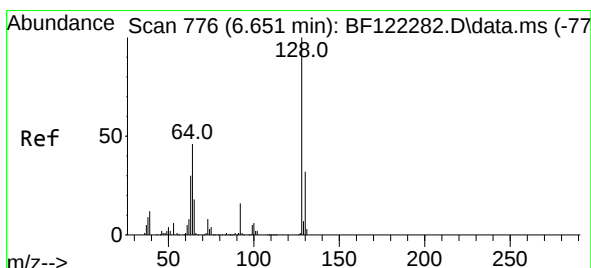
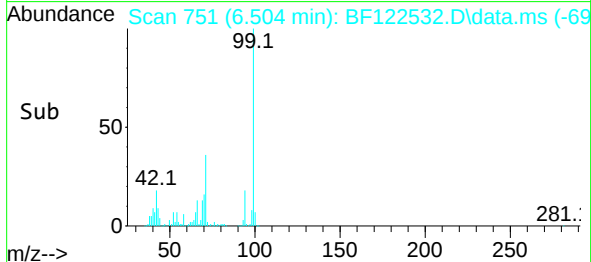
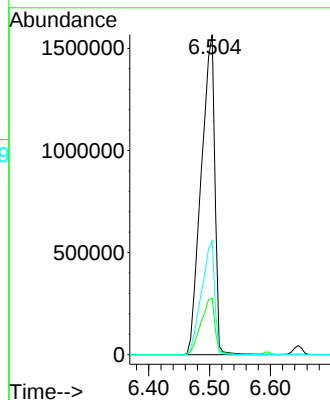
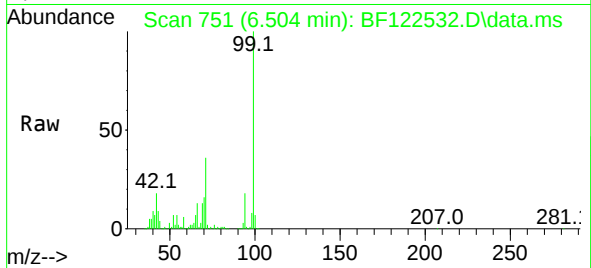
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.7  | 15.9  | 23.9  |
| 71  | 35.6  | 27.1  | 40.7  |

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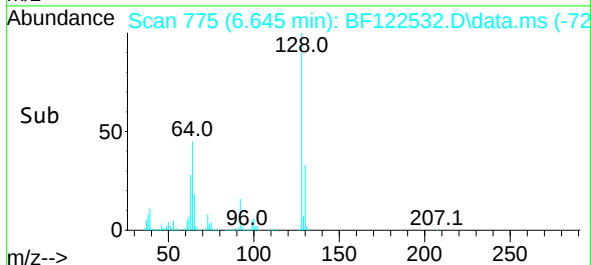
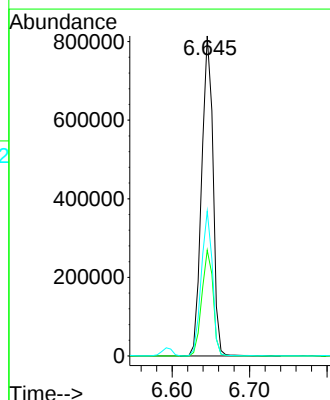
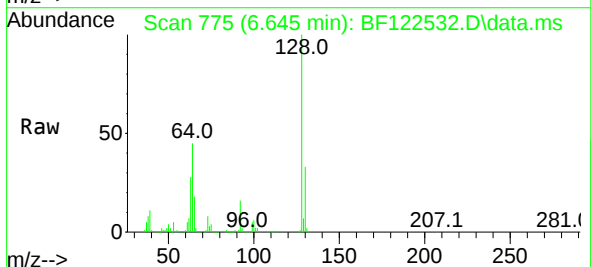
12/7/2020 8:52:42 AM

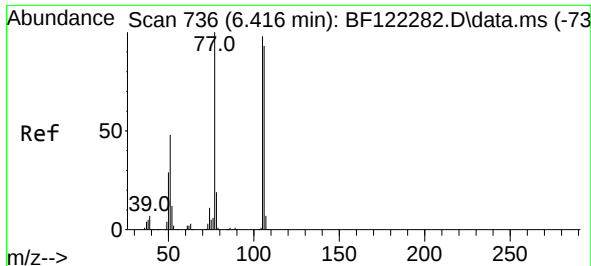


#8  
2-Chlorophenol  
Concen: 47.74 ng  
RT: 6.645 min Scan# 775  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:128 Resp: 830685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.0  | 12.4  | 52.4  |
| 64  | 45.3  | 34.8  | 74.8  |





#9  
Benzaldehyde  
Concen: 39.76 ng  
RT: 6.404 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

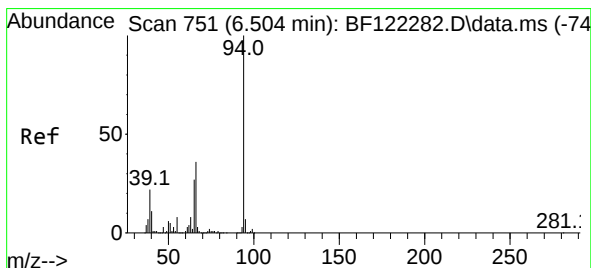
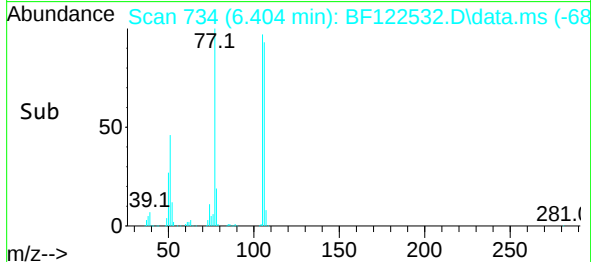
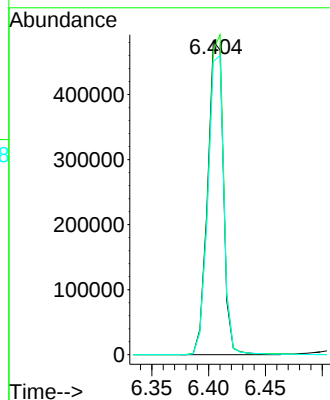
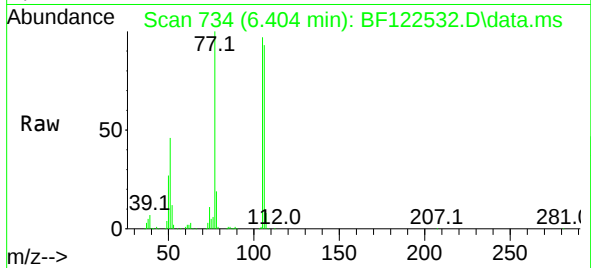
Tgt Ion: 77 Resp: 462738  
Ion Ratio Lower Upper  
77 100  
105 97.0 76.7 116.7  
106 93.5 71.3 111.3

Instrument :  
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ClientSampleId :  
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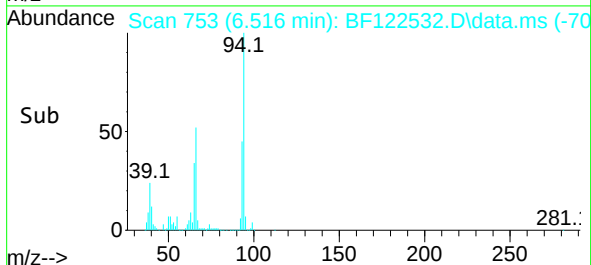
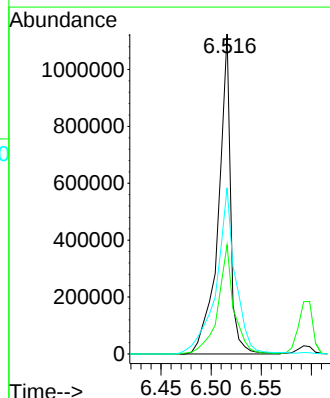
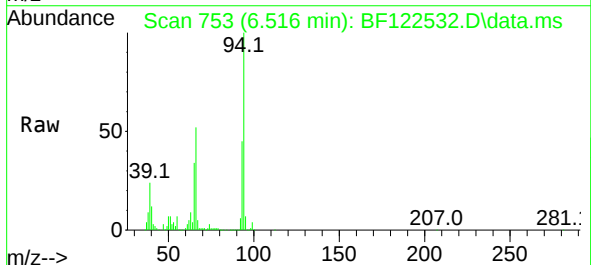
monammad

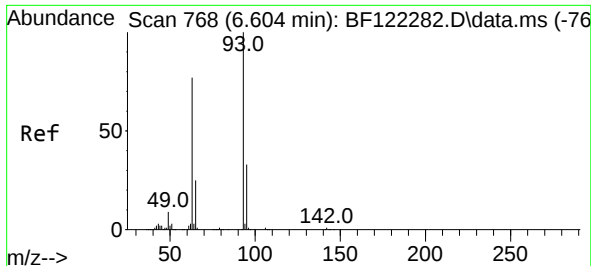
12/7/2020 8:52:42 AM



#10  
Phenol  
Concen: 44.25 ng  
RT: 6.516 min Scan# 753  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 94 Resp: 956470  
Ion Ratio Lower Upper  
94 100  
65 34.1 17.1 57.1  
66 52.0 36.0 76.0





#11  
bis(2-Chloroethyl)ether  
Concen: 45.00 ng  
RT: 6.598 min Scan# 767  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

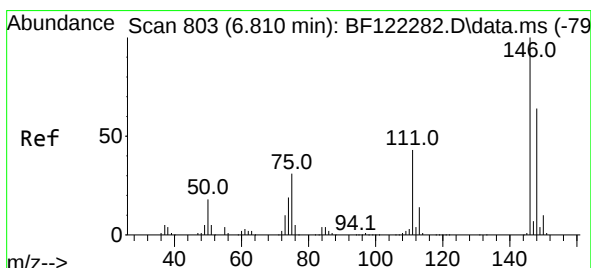
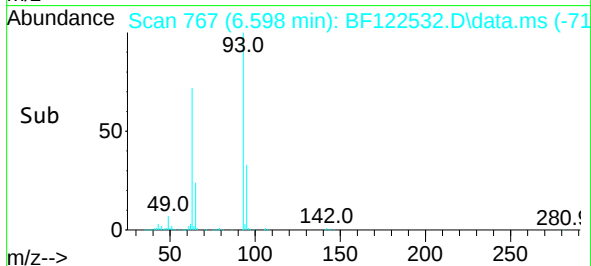
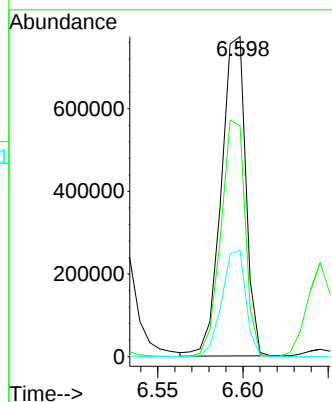
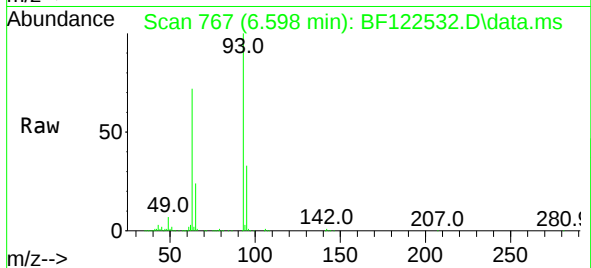
Tgt Ion: 93 Resp: 773018  
Ion Ratio Lower Upper  
93 100  
63 72.2 62.4 102.4  
95 33.2 12.6 52.6

Instrument :  
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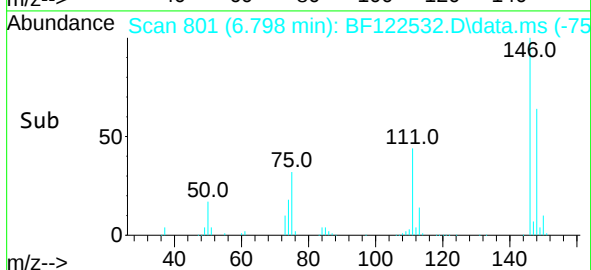
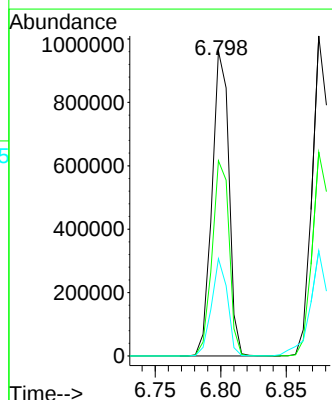
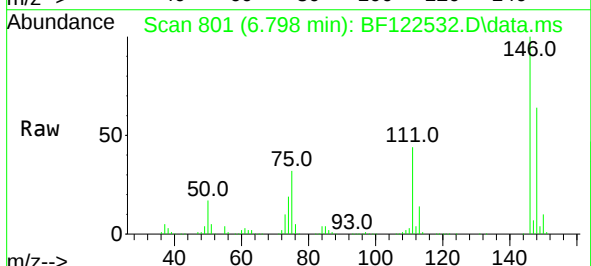
monammad

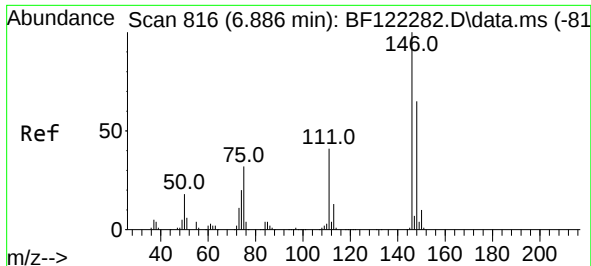
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#12  
1,3-Dichlorobenzene  
Concen: 43.68 ng  
RT: 6.798 min Scan# 801  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:146 Resp: 862853  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.0 76.4  
75 31.9 27.6 41.4





#13  
1,4-Dichlorobenzene  
Concen: 43.81 ng  
RT: 6.875 min Scan# 814  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

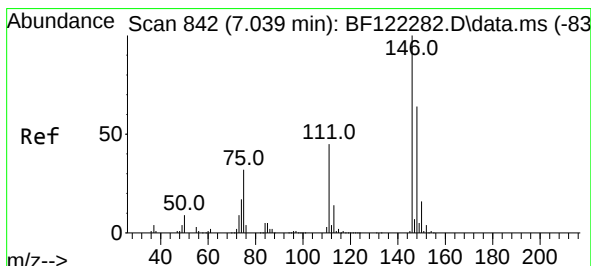
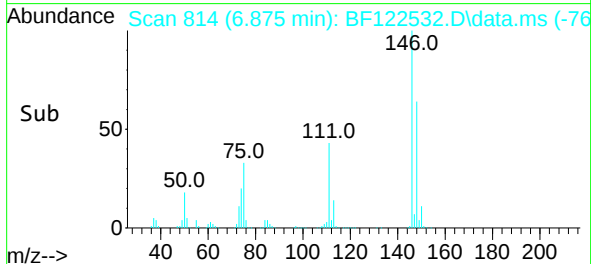
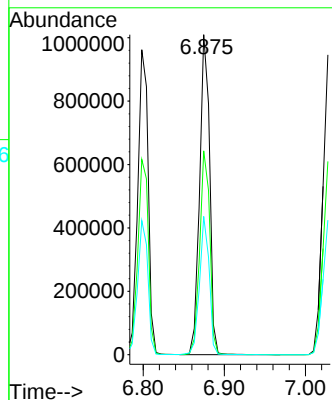
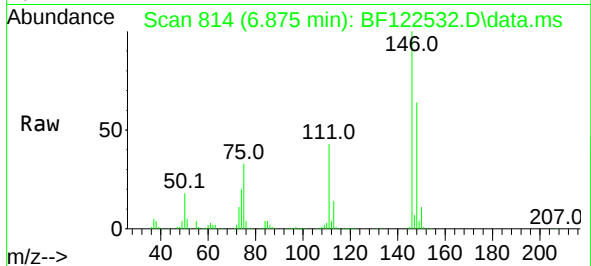
Tgt Ion:146 Resp: 869249  
Ion Ratio Lower Upper  
146 100  
148 63.7 50.1 75.1  
111 43.2 34.6 52.0

Instrument :  
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ClientSampleId :  
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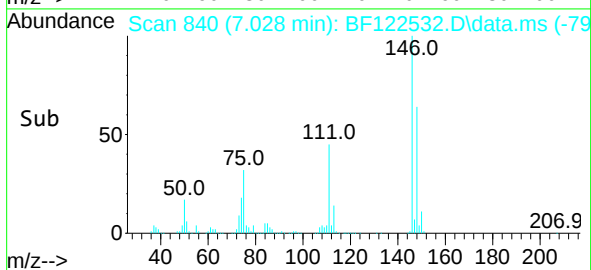
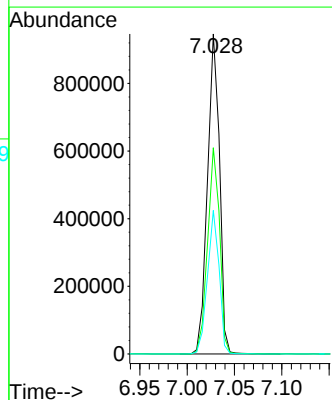
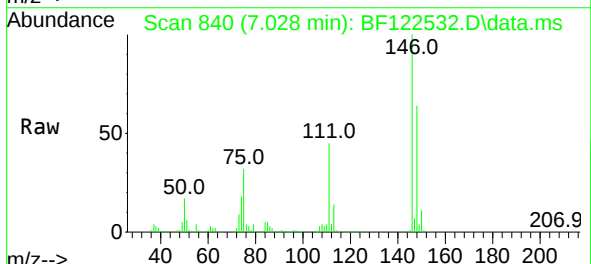
monammad

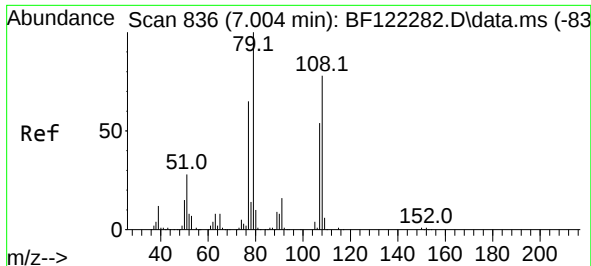
12/7/2020 8:52:42 AM



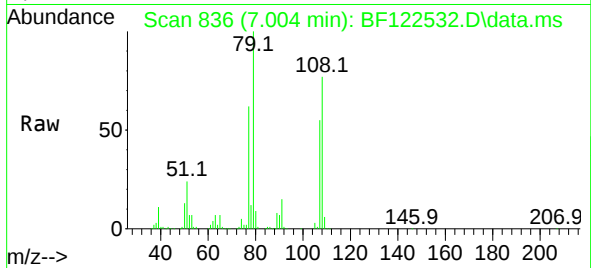
#14  
1,2-Dichlorobenzene  
Concen: 45.15 ng  
RT: 7.028 min Scan# 840  
Delta R.T. -0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:146 Resp: 836088  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.1 76.7  
111 44.9 34.2 51.4

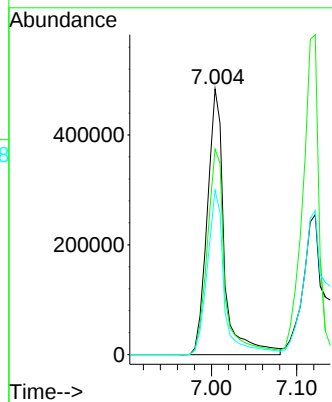




#15  
Benzyl Alcohol  
Concen: 43.05 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 79    | Resp: | 671841 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 77.4  | 62.3  | 93.5   |
| 77        | 61.9  | 50.6  | 75.8   |

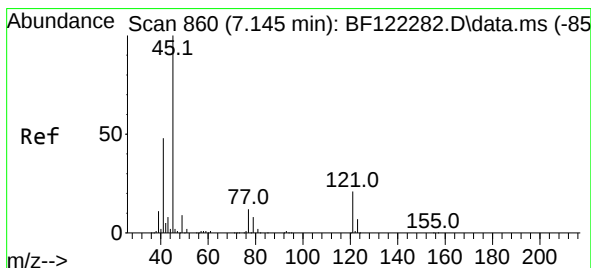


Instrument :  
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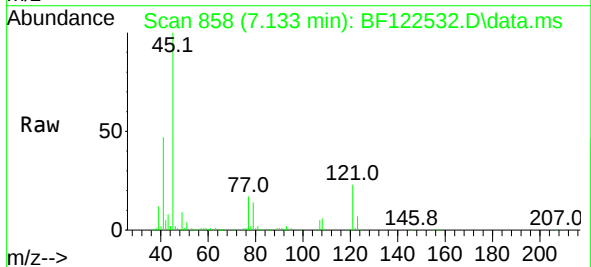
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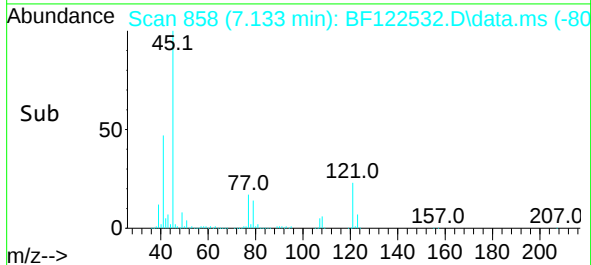
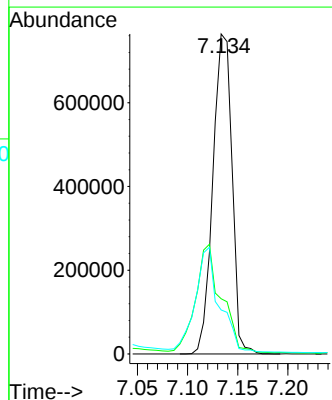
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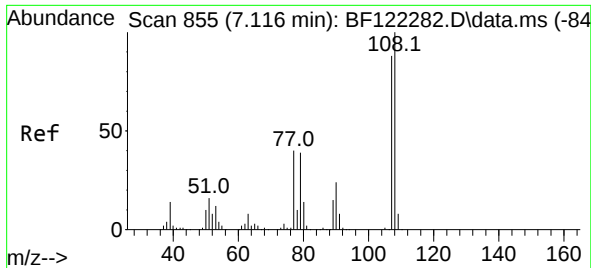


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.45 ng  
RT: 7.133 min Scan# 858  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 45    | Resp: | 1012866 |
| Ion Ratio | Lower | Upper |         |
| 45        | 100   |       |         |
| 77        | 17.3  | 0.0   | 33.3    |
| 79        | 13.7  | 0.0   | 30.4    |





#17  
2-Methylphenol  
Concen: 47.75 ng  
RT: 7.122 min Scan# 856  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

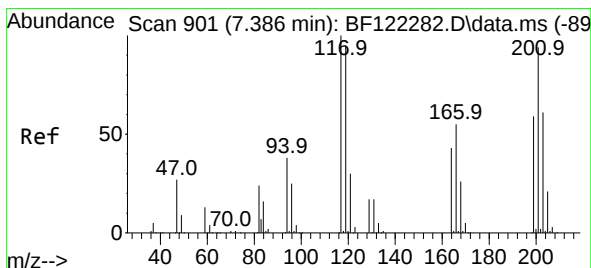
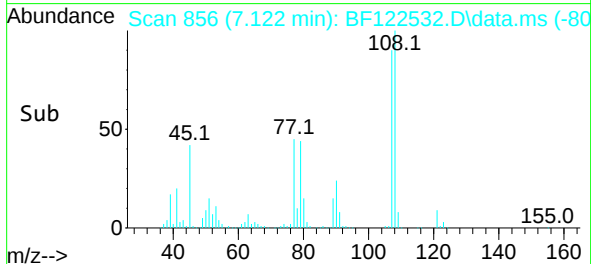
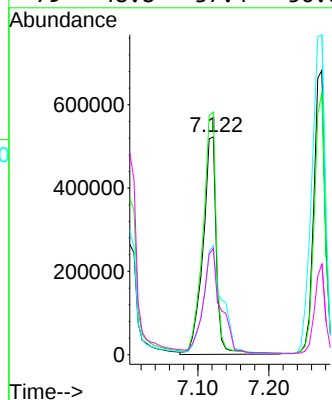
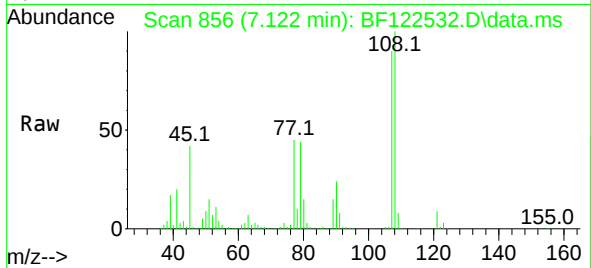
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 693359 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.4 | 90.9  | 136.3  |
| 77       | 50.1  | 37.5  | 56.3   |
| 79       | 48.8  | 37.4  | 56.0   |

Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

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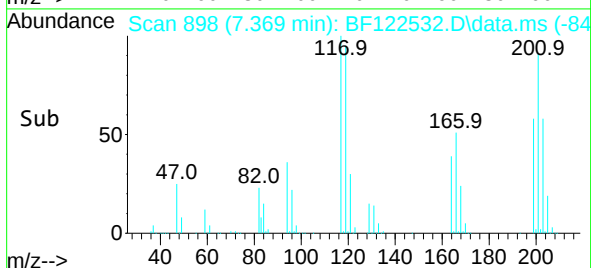
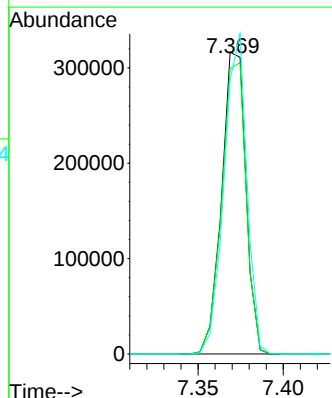
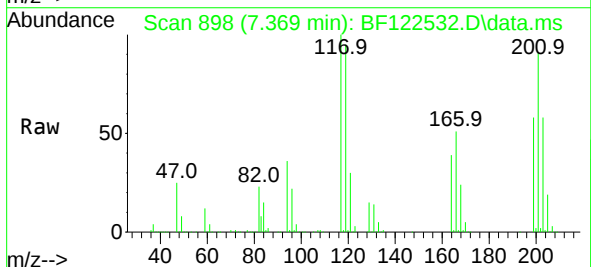
monammad

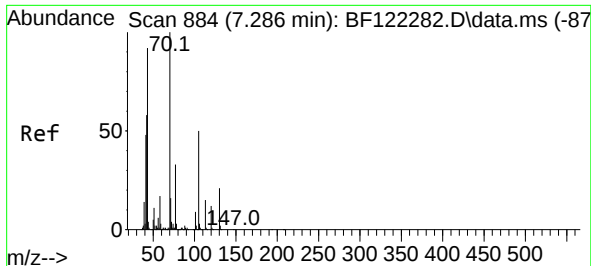
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#18  
Hexachloroethane  
Concen: 45.23 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

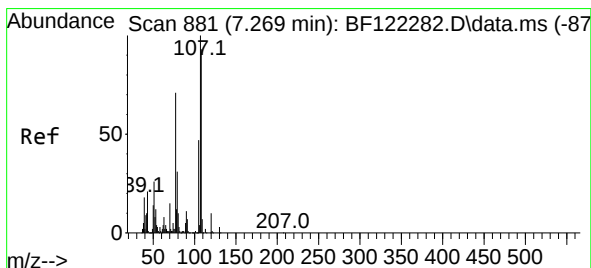
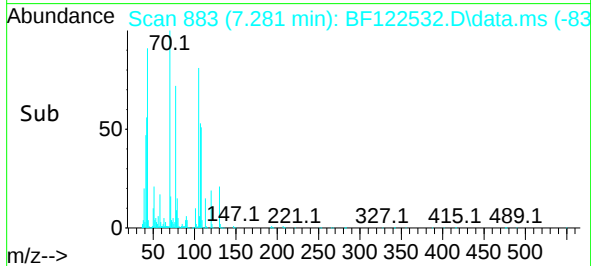
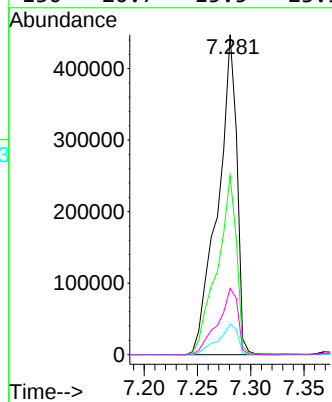
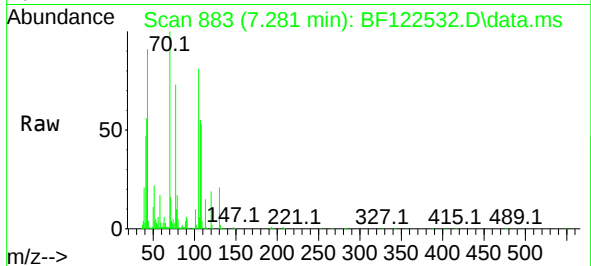
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 312550 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 94.5  | 76.3  | 114.5  |
| 201      | 90.9  | 71.8  | 107.6  |





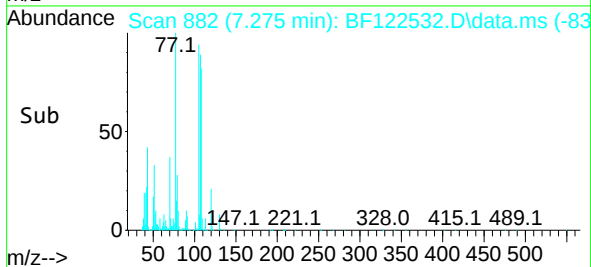
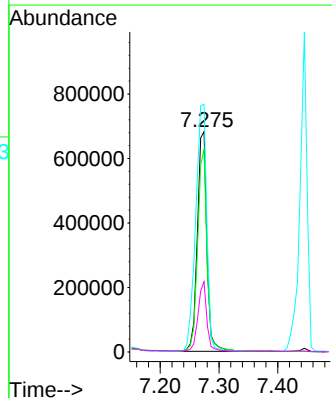
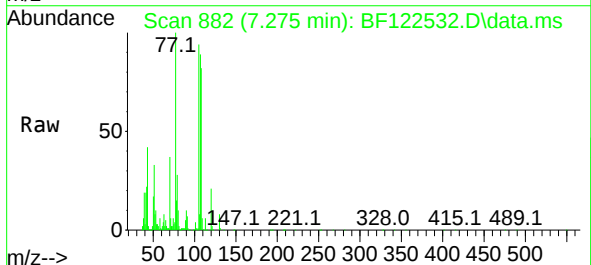
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.33 ng  
RT: 7.281 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 555194 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 55.9  | 50.2  | 75.4   |
| 101      | 9.6   | 7.5   | 11.3   |
| 130      | 20.7  | 15.5  | 23.3   |



#20  
3+4-Methylphenols  
Concen: 43.15 ng  
RT: 7.275 min Scan# 882  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 771046 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.9  | 68.9  | 108.9  |
| 77       | 112.4 | 108.0 | 148.0  |
| 79       | 31.9  | 10.5  | 50.5   |



Instrument :  
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:136 Resp: 1015155

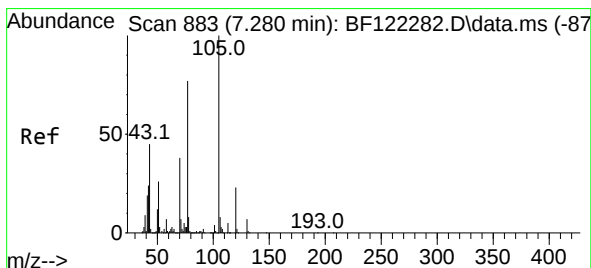
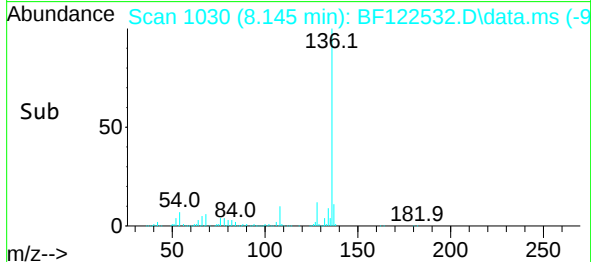
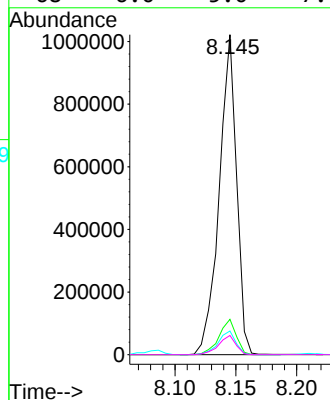
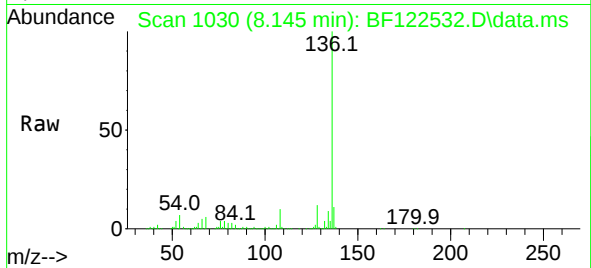
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.6   | 13.0  |
| 54  | 7.4   | 7.1   | 10.7  |
| 68  | 6.0   | 5.0   | 7.4   |

Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

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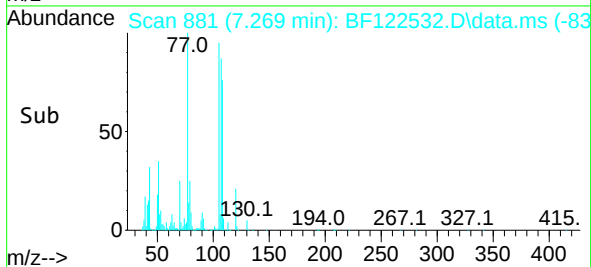
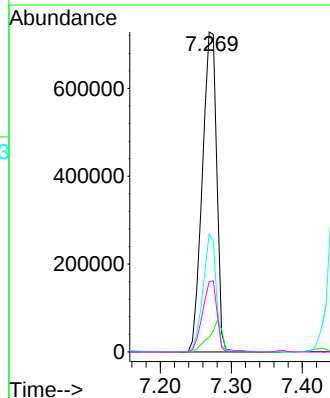
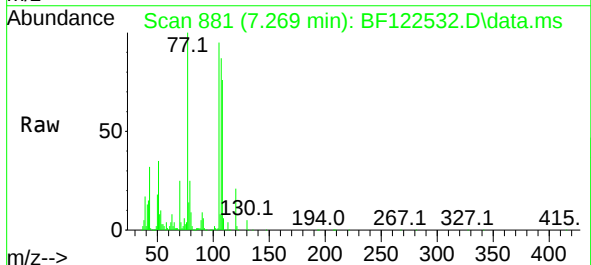
12/7/2020 8:52:42 AM

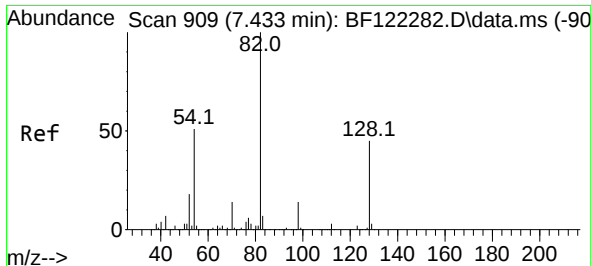


#22  
Acetophenone  
Concen: 38.98 ng  
RT: 7.269 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:105 Resp: 1030724

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 4.6   | 5.3   | 7.9#  |
| 51  | 36.8  | 33.2  | 49.8  |
| 120 | 21.9  | 17.4  | 26.0  |





#23

Nitrobenzene-d5

Concen: 94.69 ng

RT: 7.428 min Scan# 908

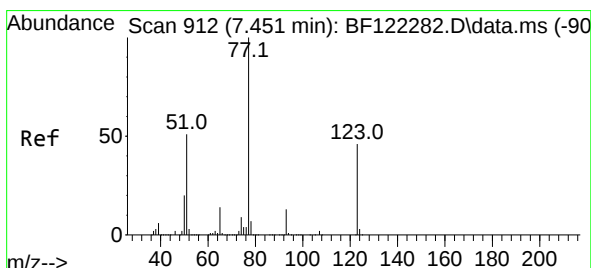
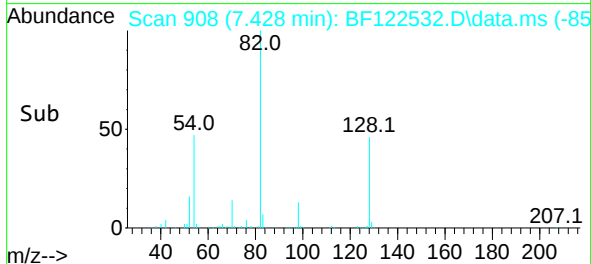
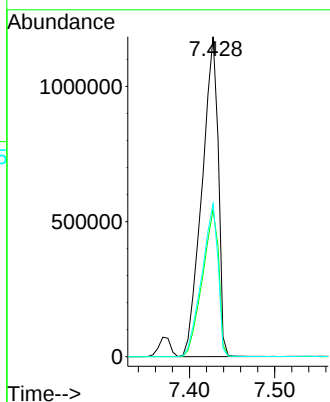
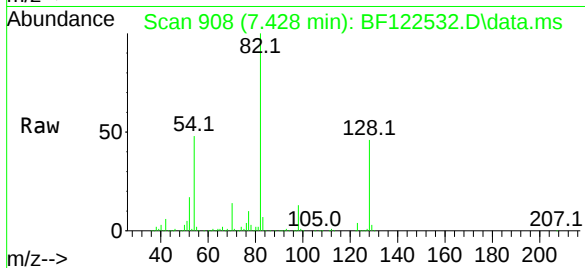
Delta R.T. -0.000 min

Lab File: BF122532.D

Acq: 3 Dec 2020 11:36

Tgt Ion: 82 Resp: 1570174

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.9  | 35.0  | 52.4  |
| 54  | 47.8  | 43.9  | 65.9  |



#24

Nitrobenzene

Concen: 44.40 ng

RT: 7.445 min Scan# 911

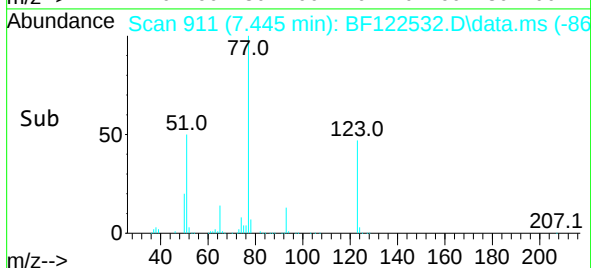
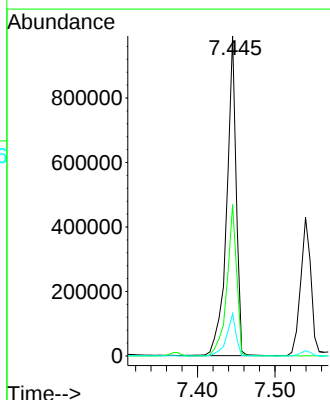
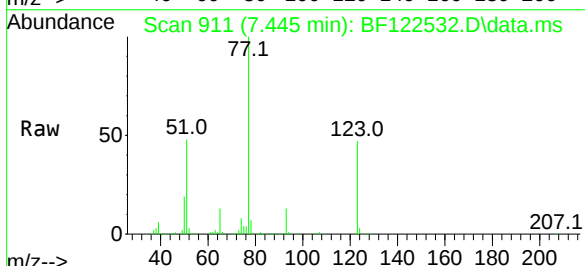
Delta R.T. -0.000 min

Lab File: BF122532.D

Acq: 3 Dec 2020 11:36

Tgt Ion: 77 Resp: 842390

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 47.3  | 35.6  | 53.4  |
| 65  | 13.2  | 11.2  | 16.8  |



Instrument :

BNA\_F

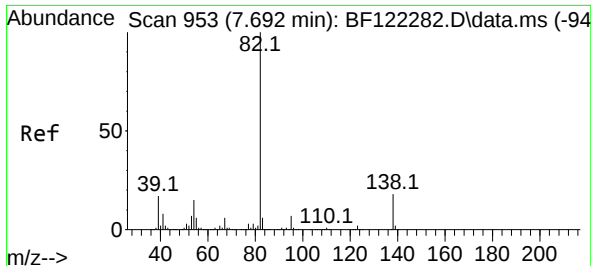
ClientSampleId :

PB133348BS

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#25  
Isophorone  
Concen: 41.90 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

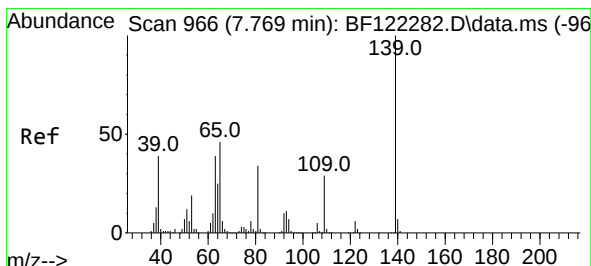
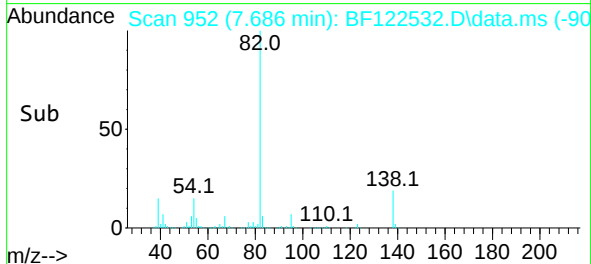
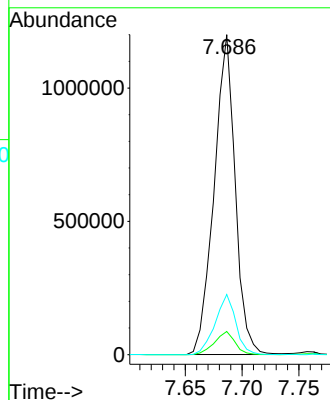
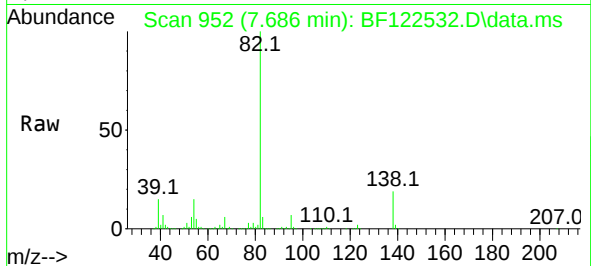
Tgt Ion: 82 Resp: 1548915  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.4 8.0  
138 18.8 13.4 20.0

Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

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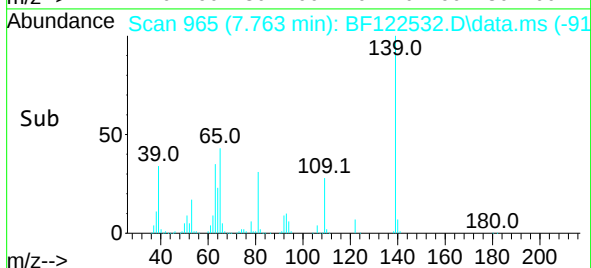
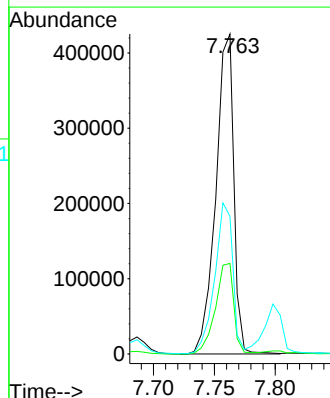
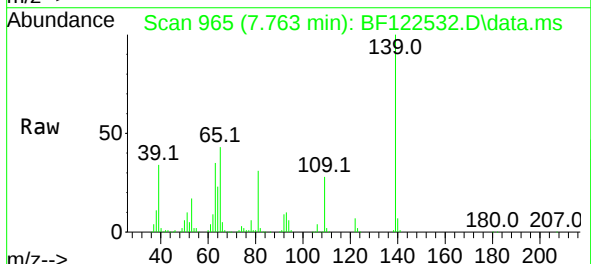
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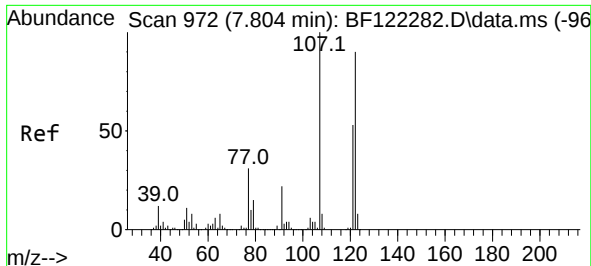
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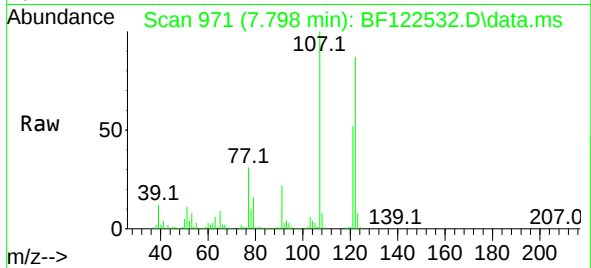
#26  
2-Nitrophenol  
Concen: 52.53 ng  
RT: 7.763 min Scan# 965  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:139 Resp: 438794  
Ion Ratio Lower Upper  
139 100  
109 28.3 23.0 34.4  
65 43.0 39.9 59.9

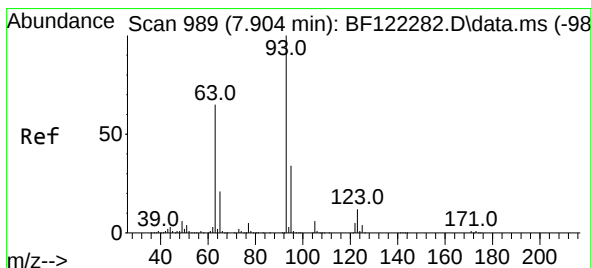
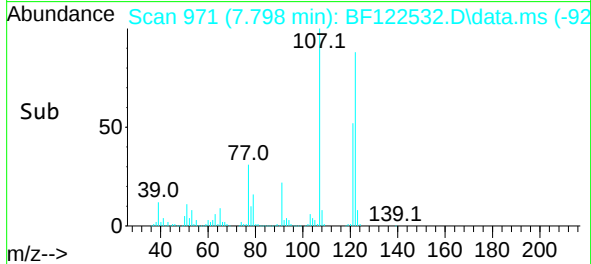
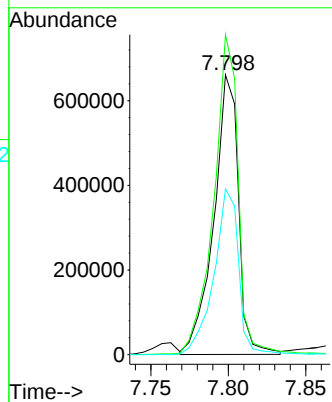




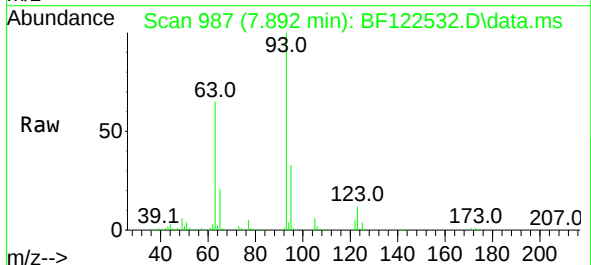
#27  
2,4-Dimethylphenol  
Concen: 41.85 ng  
RT: 7.798 min Scan# 971  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



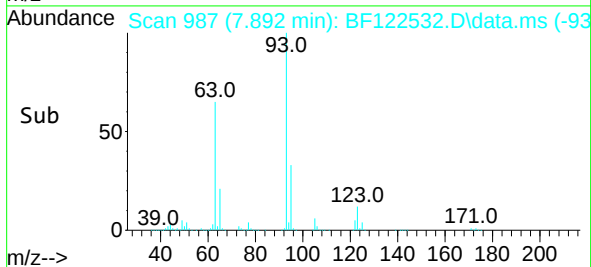
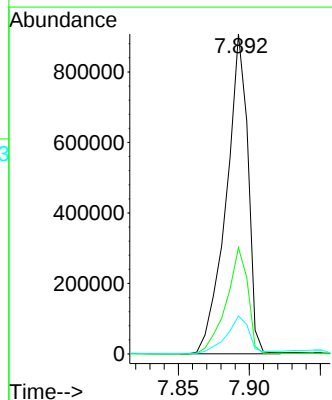
Tgt Ion:122 Resp: 729663  
Ion Ratio Lower Upper  
122 100  
107 114.4 90.8 136.2  
121 59.3 47.5 71.3



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.67 ng  
RT: 7.892 min Scan# 987  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion: 93 Resp: 964682  
Ion Ratio Lower Upper  
93 100  
95 33.3 26.2 39.4  
123 11.9 8.8 13.2

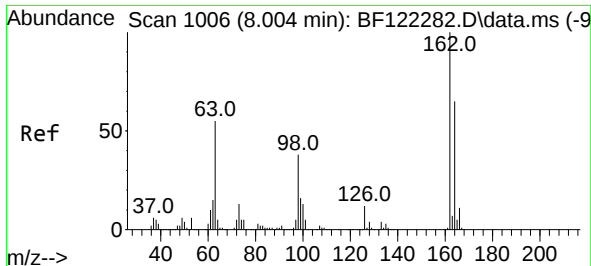


Instrument :  
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#29  
2,4-Dichlorophenol  
Concen: 46.34 ng  
RT: 8.004 min Scan# 1006  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

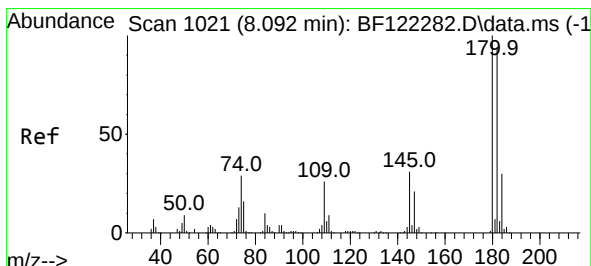
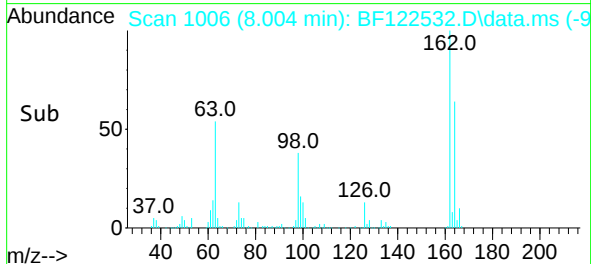
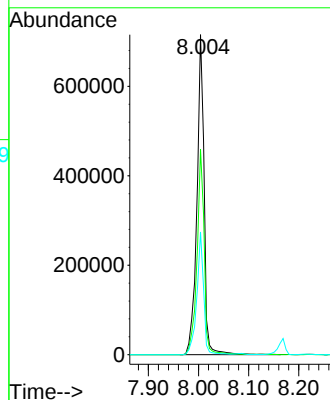
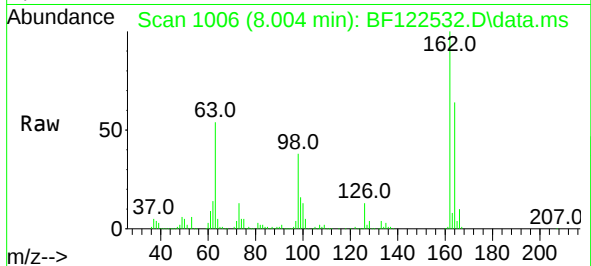
Tgt Ion:162 Resp: 715373  
Ion Ratio Lower Upper  
162 100  
164 64.2 42.5 82.5  
98 38.3 20.1 60.1

Instrument :  
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ClientSampleId :  
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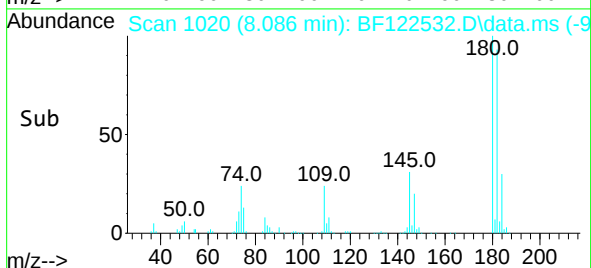
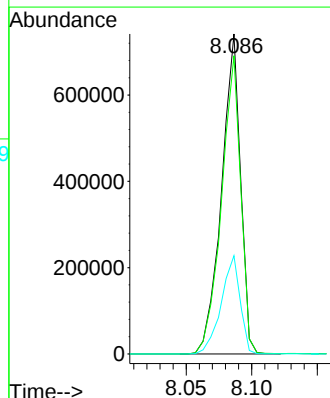
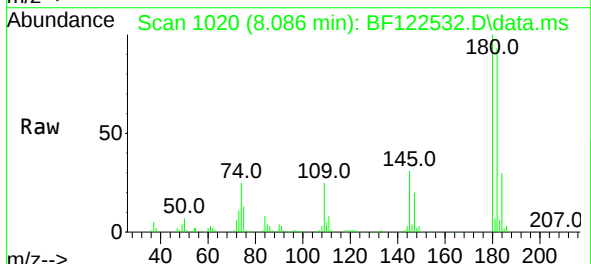
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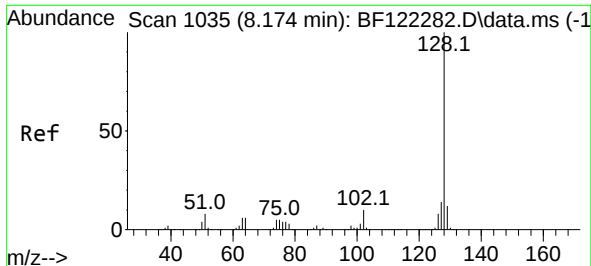
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#30  
1,2,4-Trichlorobenzene  
Concen: 43.68 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:180 Resp: 744206  
Ion Ratio Lower Upper  
180 100  
182 93.2 79.4 119.2  
145 30.7 25.5 38.3





#31  
Naphthalene  
Concen: 41.78 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

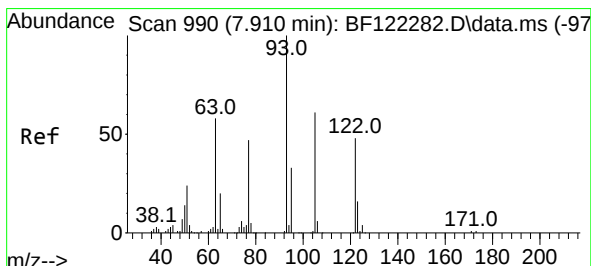
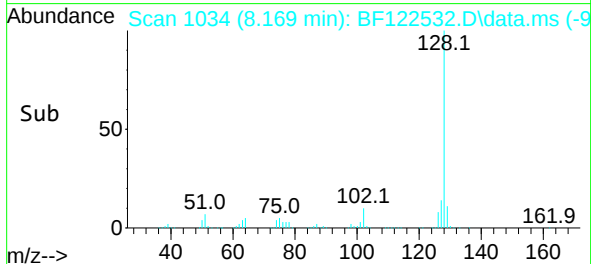
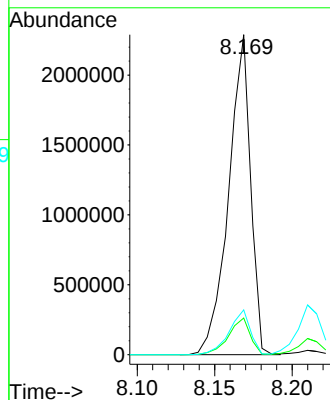
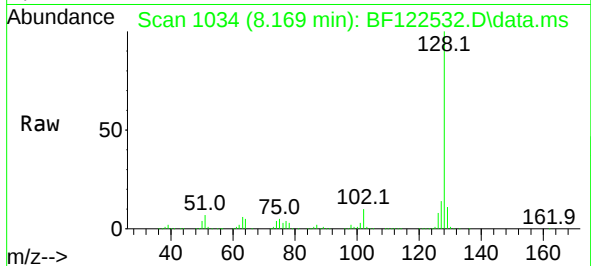
Tgt Ion:128 Resp: 2255058  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.7 13.1  
127 14.0 10.8 16.2

Instrument :  
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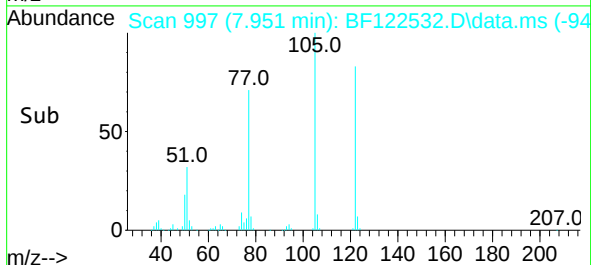
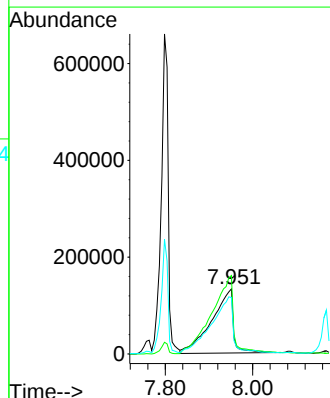
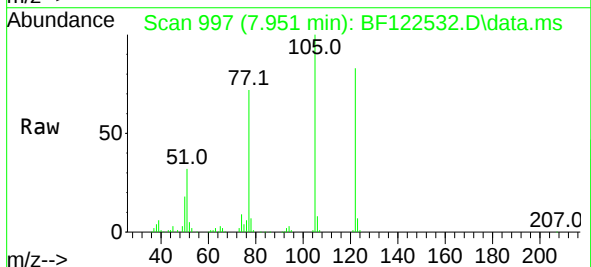
monammad

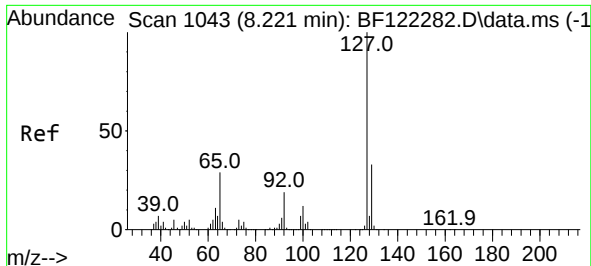
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#32  
Benzoic acid  
Concen: 47.64 ng  
RT: 7.951 min Scan# 997  
Delta R.T. 0.018 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:122 Resp: 459161  
Ion Ratio Lower Upper  
122 100  
105 120.7 103.3 143.3  
77 86.9 73.9 113.9





#33  
4-Chloroaniline  
Concen: 18.64 ng  
RT: 8.210 min Scan# 1041  
Delta R.T. -0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

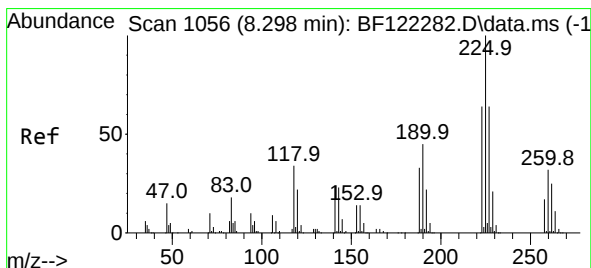
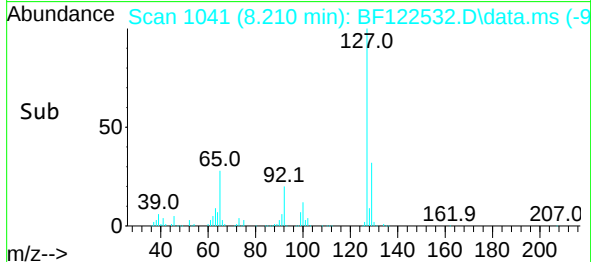
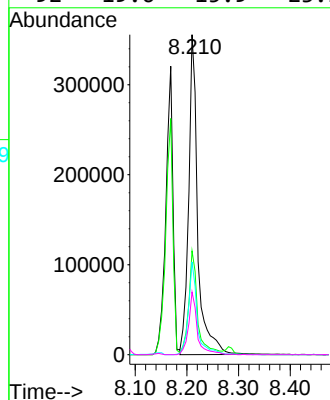
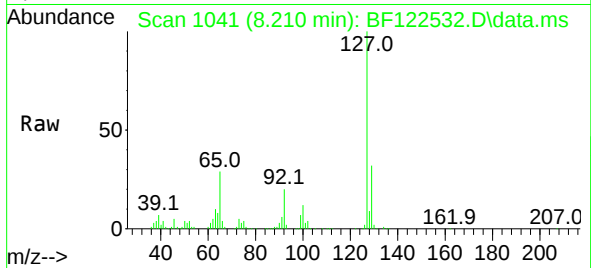
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.4  | 26.3  | 39.5  |
| 65      | 29.0  | 26.2  | 39.2  |
| 92      | 19.6  | 15.9  | 23.9  |

Instrument :  
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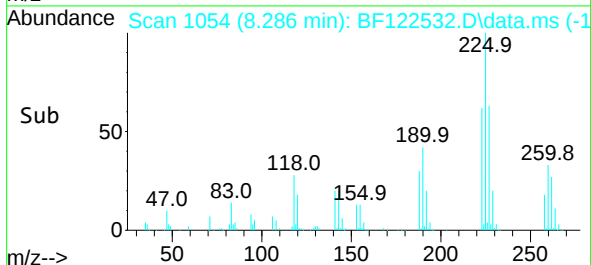
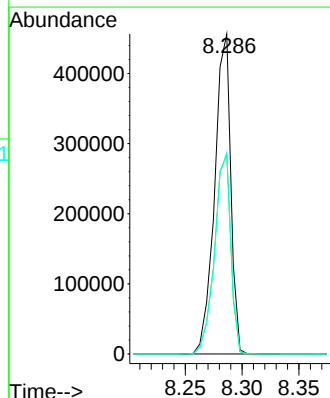
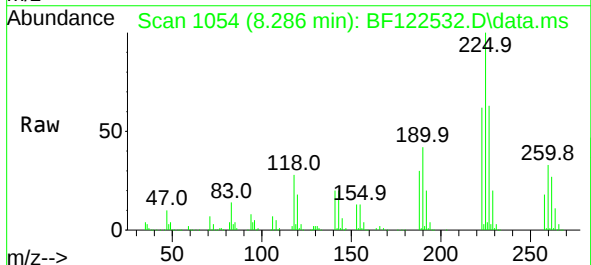
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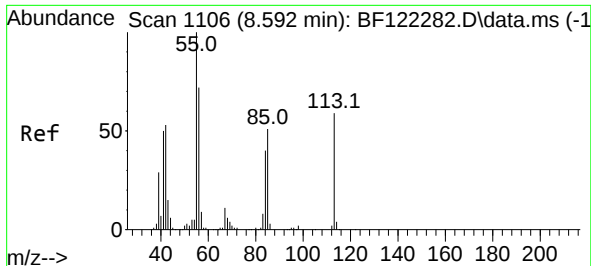
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#34  
Hexachlorobutadiene  
Concen: 46.03 ng  
RT: 8.286 min Scan# 1054  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 62.2  | 51.1  | 76.7  |
| 227     | 62.9  | 51.0  | 76.6  |





#35  
Caprolactam  
Concen: 45.11 ng m  
RT: 8.604 min Scan# 1108  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

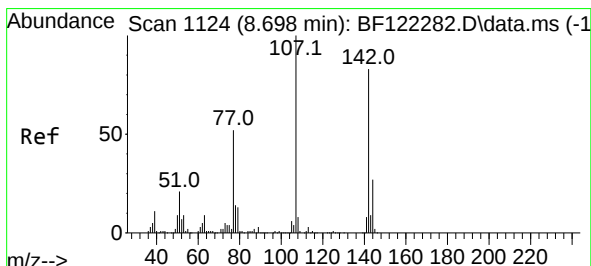
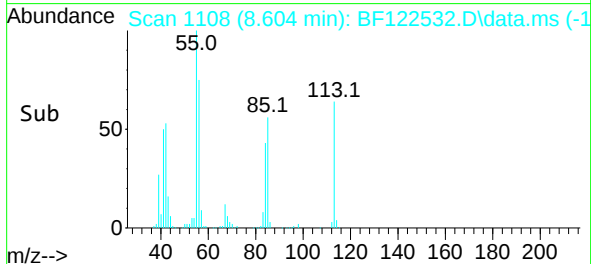
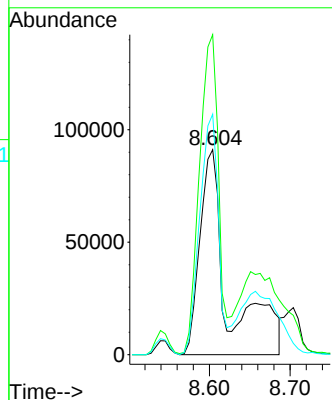
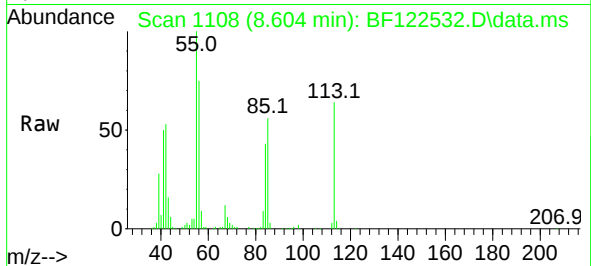
Tgt Ion:113 Resp: 220730  
Ion Ratio Lower Upper  
113 100  
55 156.1 167.5 207.5#  
56 117.3 121.2 161.2#

Instrument :  
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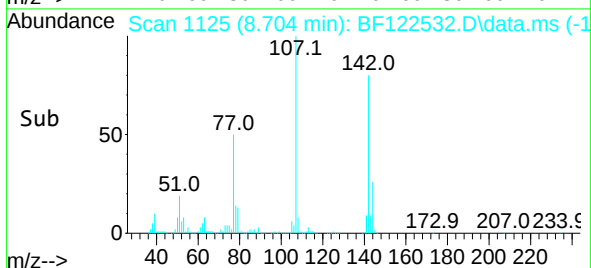
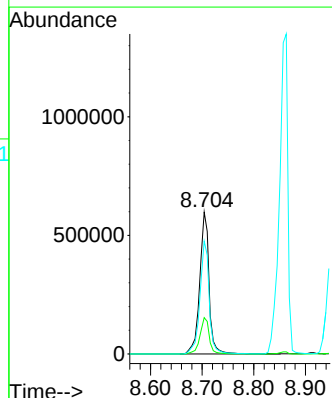
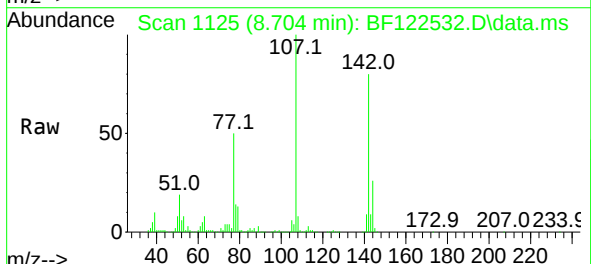
monammad

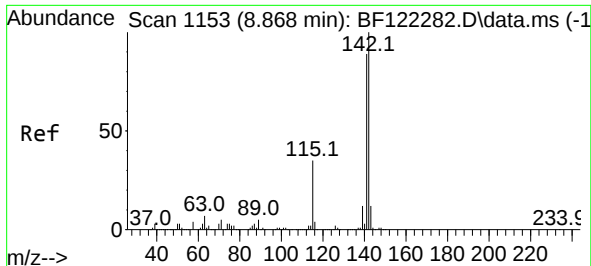
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#36  
4-Chloro-3-methylphenol  
Concen: 46.78 ng  
RT: 8.704 min Scan# 1125  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:107 Resp: 753194  
Ion Ratio Lower Upper  
107 100  
144 25.6 20.1 30.1  
142 79.5 59.3 88.9





#37  
2-Methylnaphthalene  
Concen: 42.83 ng  
RT: 8.863 min Scan# 1152  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

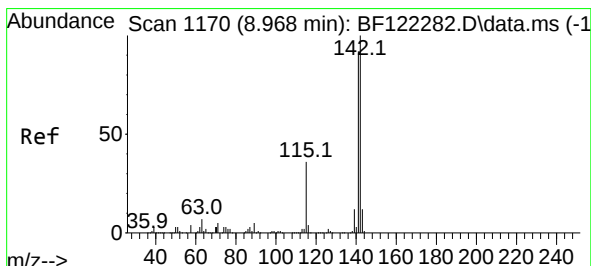
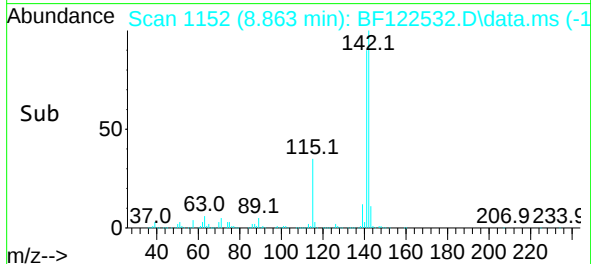
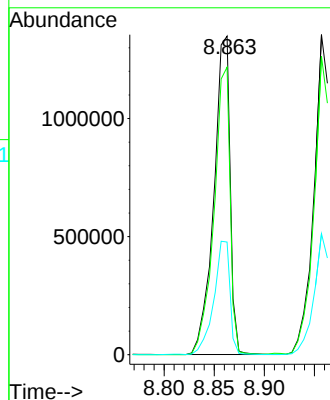
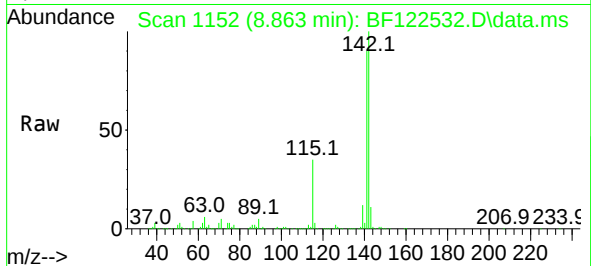
Tgt Ion:142 Resp: 1527130  
Ion Ratio Lower Upper  
142 100  
141 90.3 70.2 105.4  
115 35.4 28.6 43.0

Instrument :  
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ClientSampleId :  
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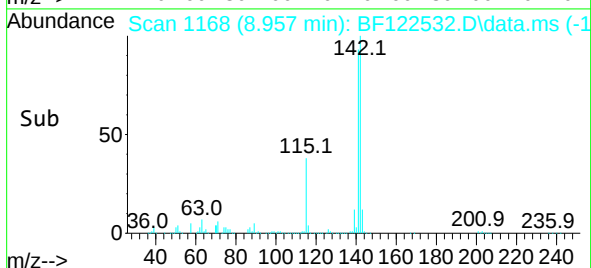
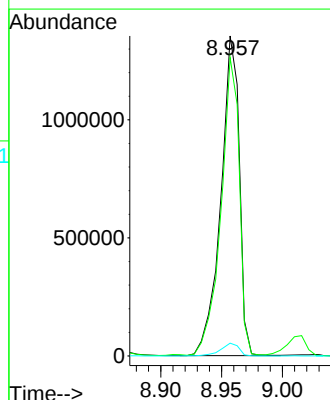
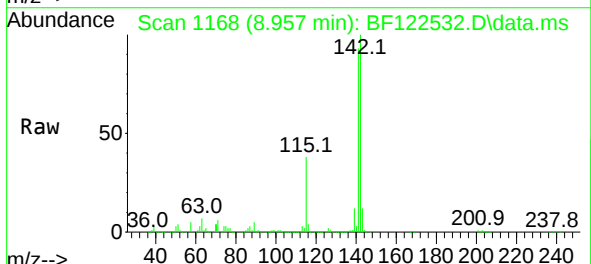
monammad

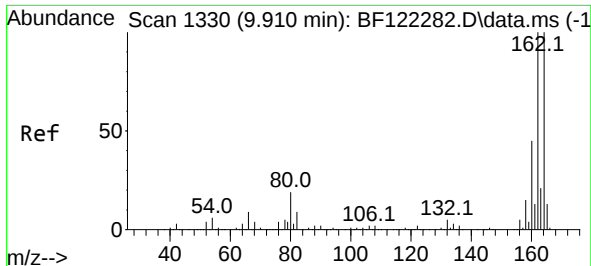
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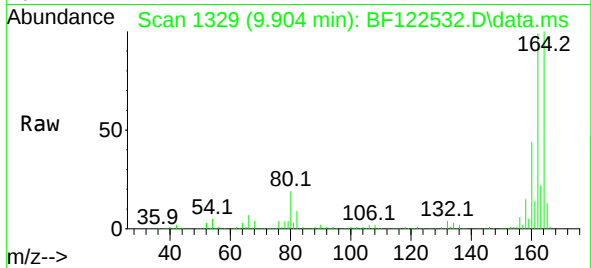
#38  
1-Methylnaphthalene  
Concen: 42.95 ng  
RT: 8.957 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:142 Resp: 1433646  
Ion Ratio Lower Upper  
142 100  
141 93.3 74.5 111.7  
116 4.0 3.2 4.8

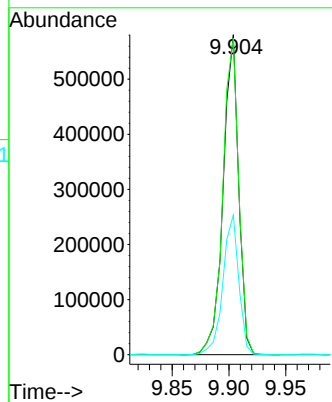
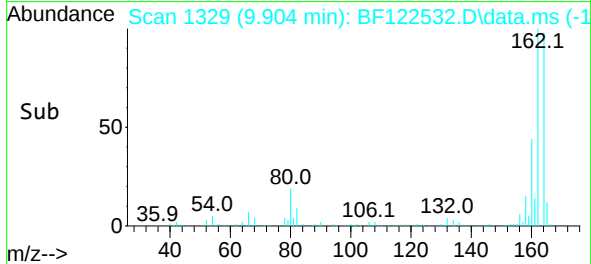




#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.904 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:164 Resp: 552498  
Ion Ratio Lower Upper  
164 100  
162 98.9 83.2 124.8  
160 43.7 37.5 56.3

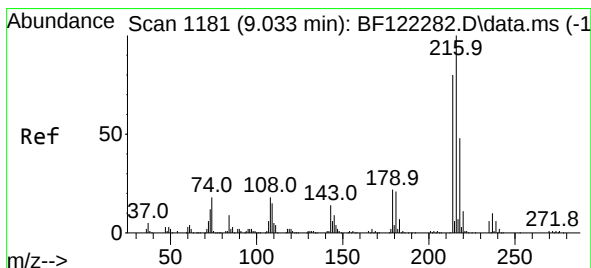


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

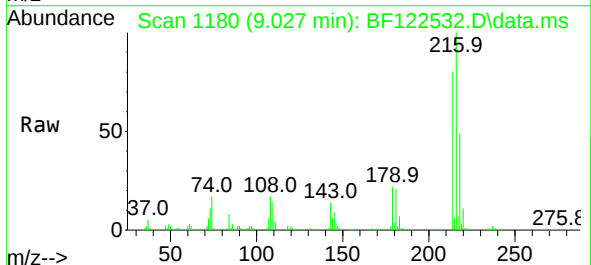
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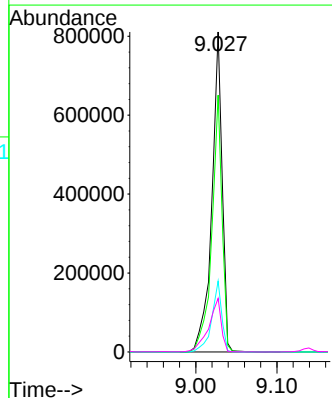
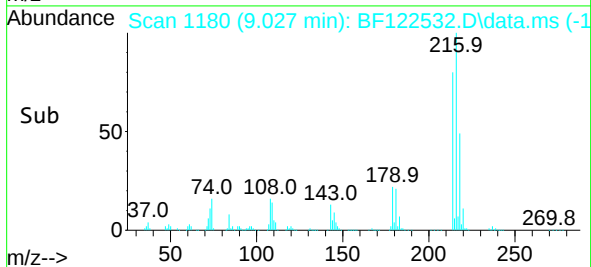
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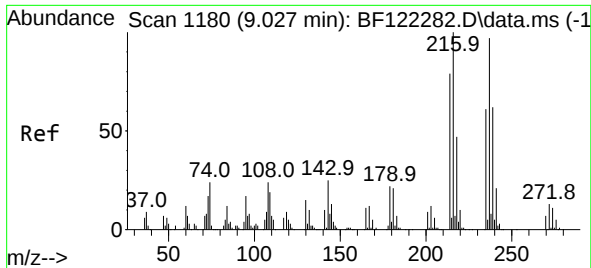


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 42.15 ng  
RT: 9.027 min Scan# 1180  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:216 Resp: 717559  
Ion Ratio Lower Upper  
216 100  
214 79.0 63.4 95.2  
179 21.4 17.0 25.6  
108 20.4 15.5 23.3





#41  
Hexachlorocyclopentadiene  
Concen: 82.10 ng  
RT: 9.016 min Scan# 1178  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

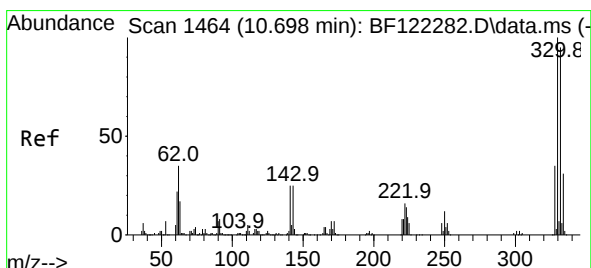
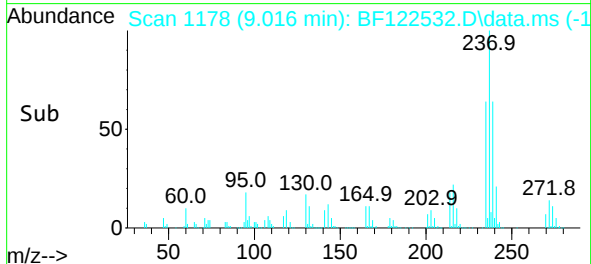
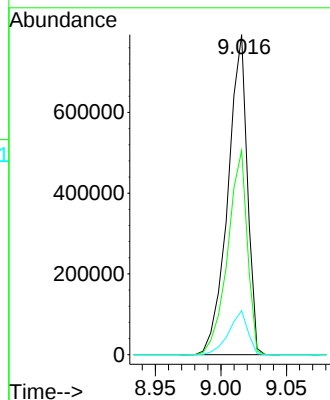
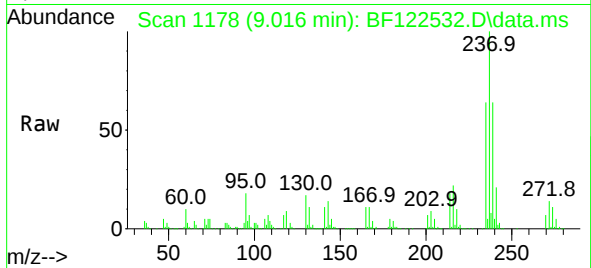
Tgt Ion:237 Resp: 817311  
Ion Ratio Lower Upper  
237 100  
235 63.8 41.8 81.8  
272 13.8 0.0 33.5

Instrument :  
BNA\_F  
ClientSampleId :  
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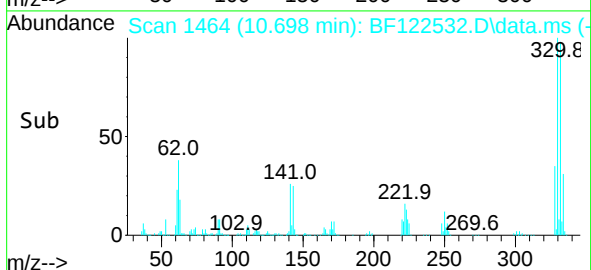
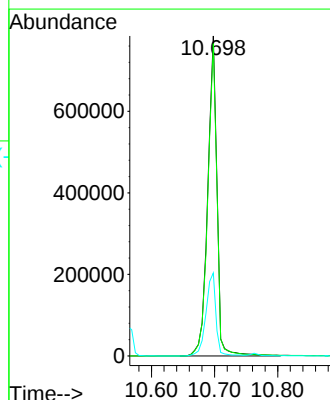
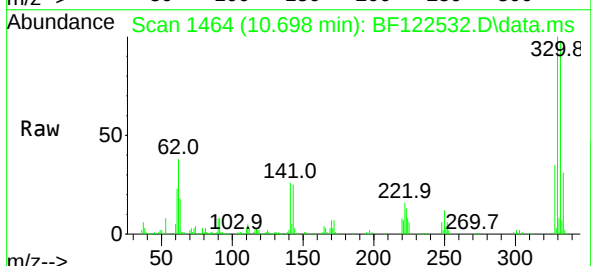
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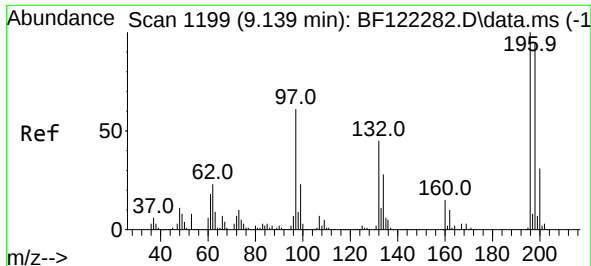
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#42  
2,4,6-Tribromophenol  
Concen: 135.47 ng  
RT: 10.698 min Scan# 1464  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

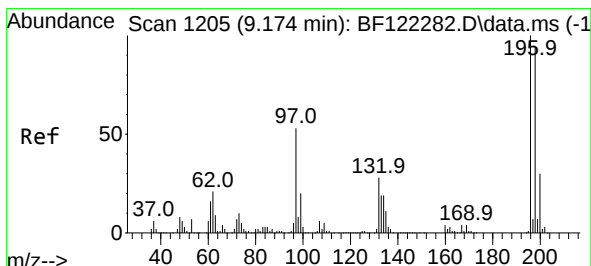
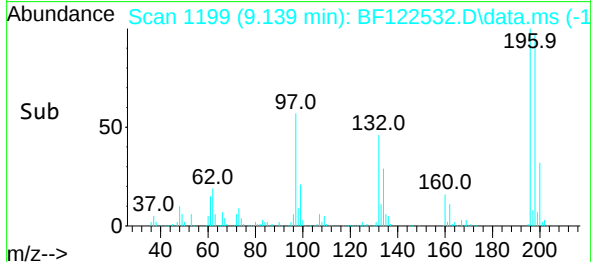
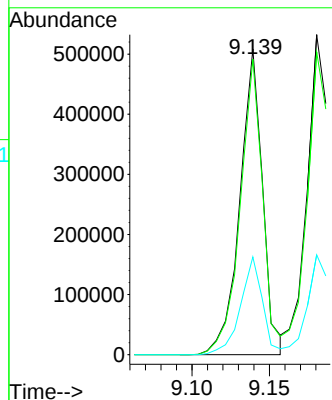
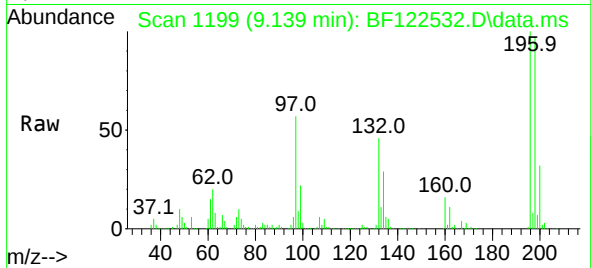
Tgt Ion:330 Resp: 803288  
Ion Ratio Lower Upper  
330 100  
332 98.0 77.3 115.9  
141 28.0 22.3 33.5





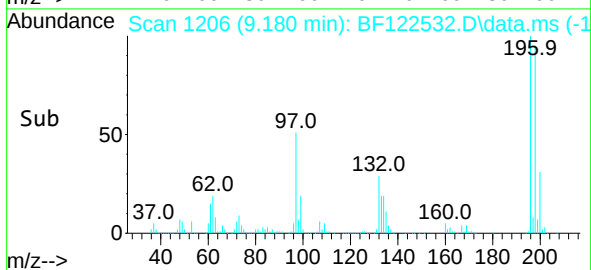
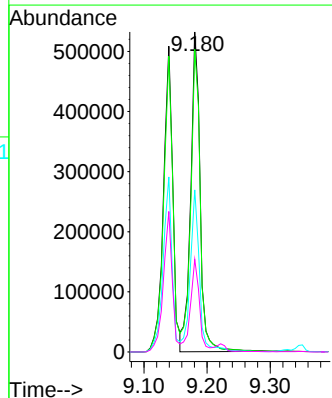
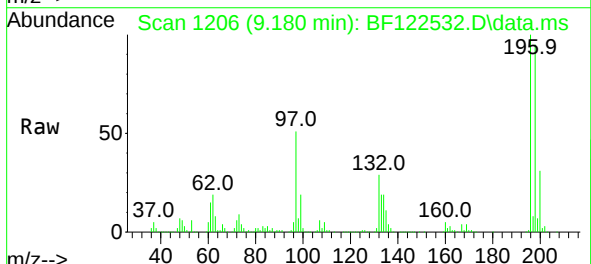
#43  
2,4,6-Trichlorophenol  
Concen: 46.88 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:196 Resp: 518328  
Ion Ratio Lower Upper  
196 100  
198 96.7 75.8 113.6  
200 32.0 24.6 36.8



#44  
2,4,5-Trichlorophenol  
Concen: 48.08 ng  
RT: 9.180 min Scan# 1206  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:196 Resp: 557288  
Ion Ratio Lower Upper  
196 100  
198 94.5 76.1 114.1  
97 50.7 41.0 61.6  
132 29.0 22.4 33.6

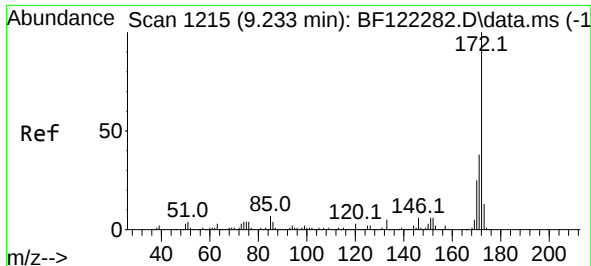


Instrument :  
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ClientSampleId :  
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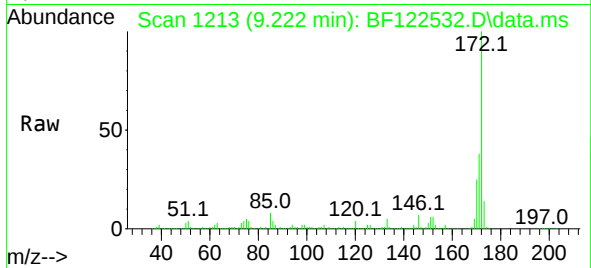
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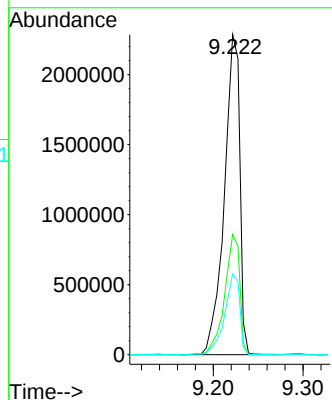


#45  
2-Fluorobiphenyl  
Concen: 77.34 ng  
RT: 9.222 min Scan# 1213  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:172 Resp: 2734685

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.6  | 29.1  | 43.7  |
| 170 | 25.3  | 19.8  | 29.6  |

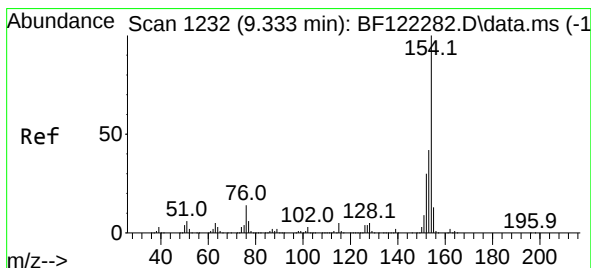


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

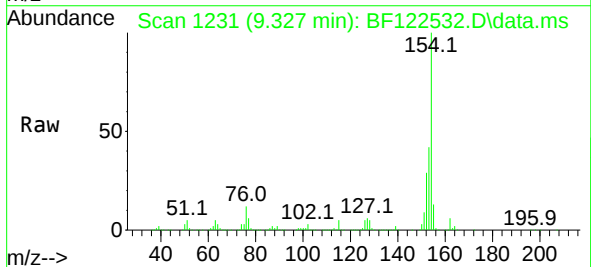
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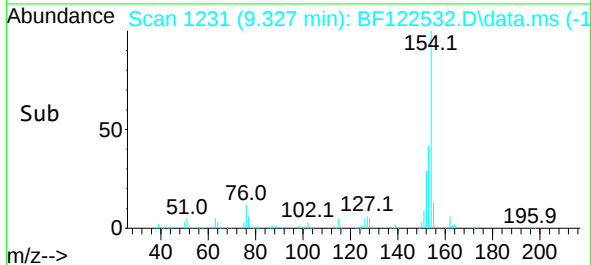
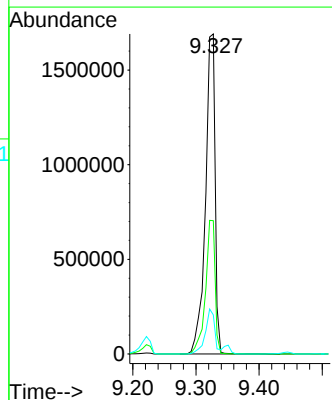


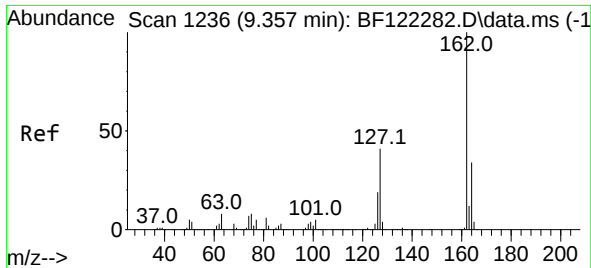
#46  
1,1'-Biphenyl  
Concen: 40.99 ng  
RT: 9.327 min Scan# 1231  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:154 Resp: 1802806

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 41.7  | 21.3  | 61.3  |
| 76  | 12.2  | 0.0   | 34.7  |





#47  
2-Chloronaphthalene  
Concen: 40.85 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

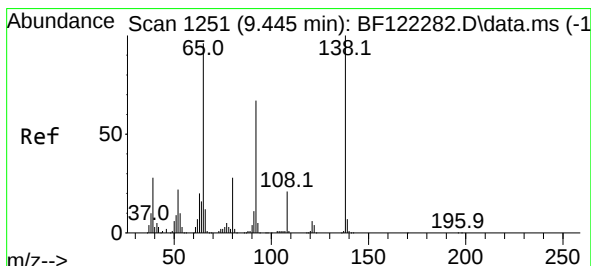
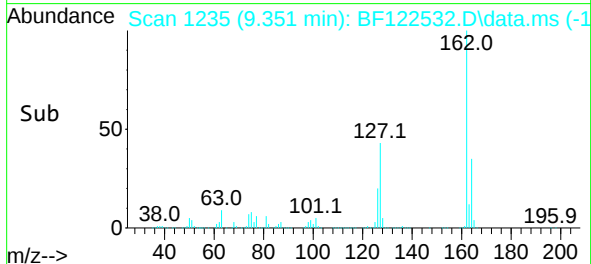
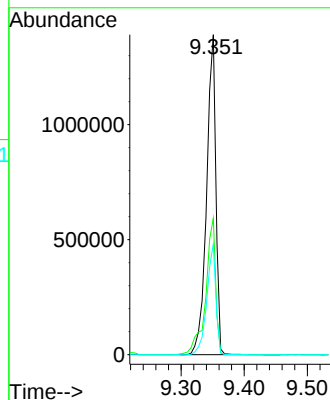
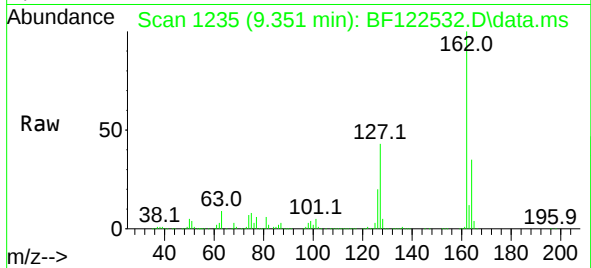
Tgt Ion: 162 Resp: 1425856  
Ion Ratio Lower Upper  
162 100  
127 42.6 34.4 51.6  
164 34.5 26.3 39.5

Instrument :  
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ClientSampleId :  
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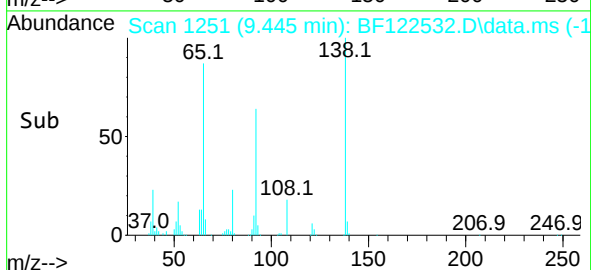
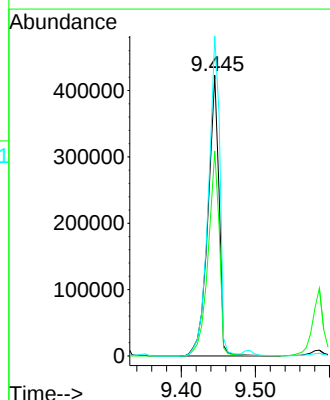
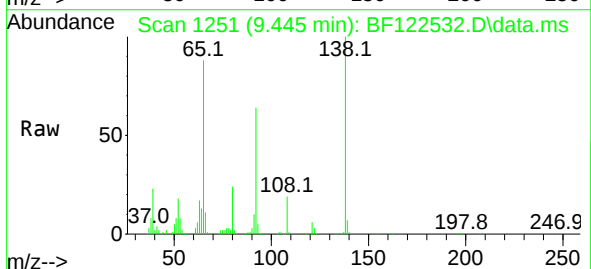
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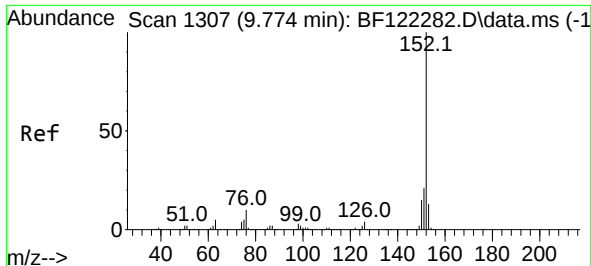
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#48  
2-Nitroaniline  
Concen: 43.19 ng  
RT: 9.445 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 65 Resp: 443019  
Ion Ratio Lower Upper  
65 100  
92 73.0 55.1 82.7  
138 114.0 80.5 120.7





#49  
Acenaphthylene  
Concen: 41.77 ng  
RT: 9.769 min Scan# 1306  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:152 Resp: 2240873

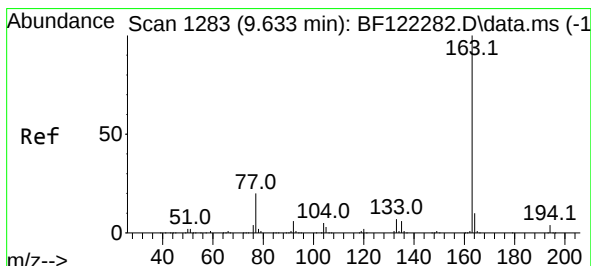
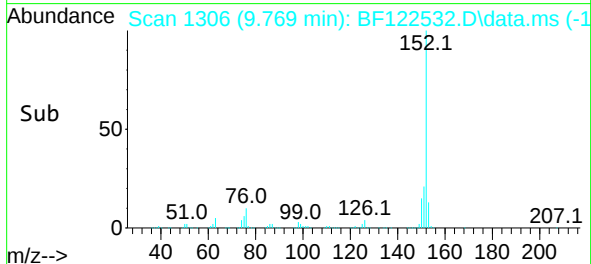
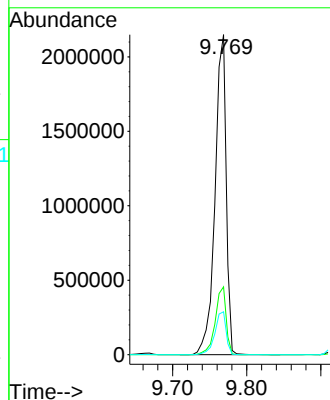
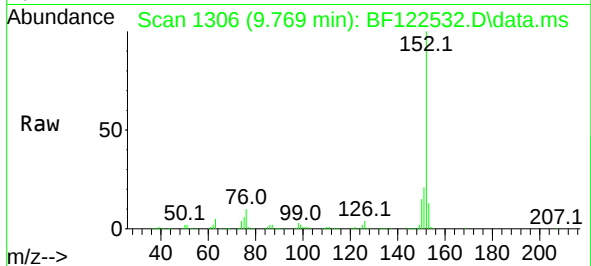
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 21.2  | 16.4  | 24.6  |
| 153 | 13.4  | 10.6  | 15.8  |

Instrument :  
BNA\_F  
ClientSampleId :  
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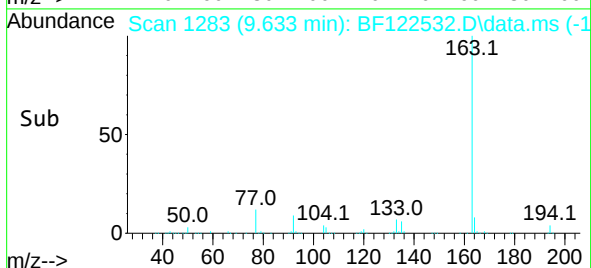
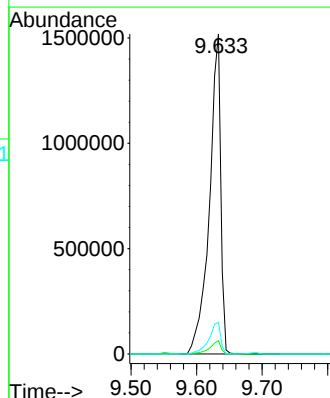
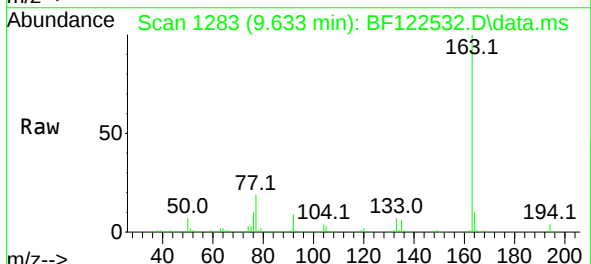
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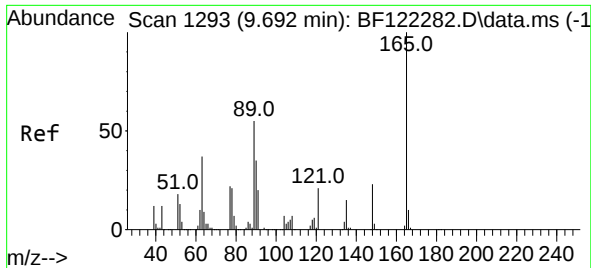


#50  
Dimethylphthalate  
Concen: 46.46 ng  
RT: 9.633 min Scan# 1283  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:163 Resp: 1824544

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.2   | 3.3   | 4.9   |
| 164 | 9.9   | 8.2   | 12.4  |





#51  
2,6-Dinitrotoluene  
Concen: 47.35 ng  
RT: 9.692 min Scan# 1293  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

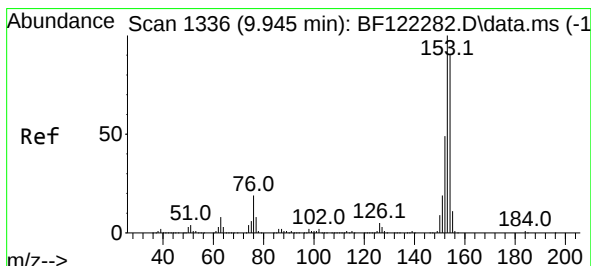
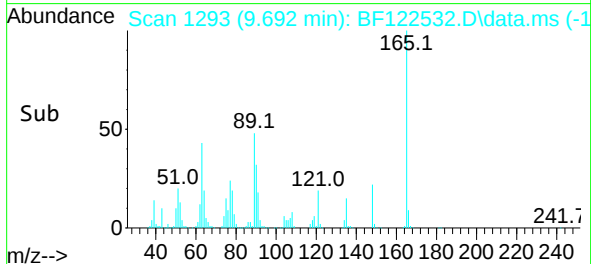
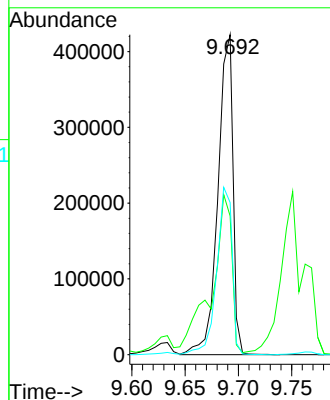
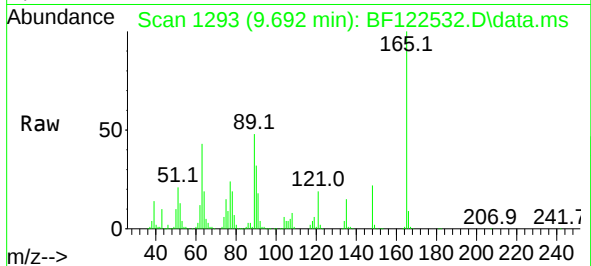
Tgt Ion:165 Resp: 413366  
Ion Ratio Lower Upper  
165 100  
63 43.3 51.8 77.6#  
89 47.5 49.0 73.6#

Instrument :  
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ClientSampleId :  
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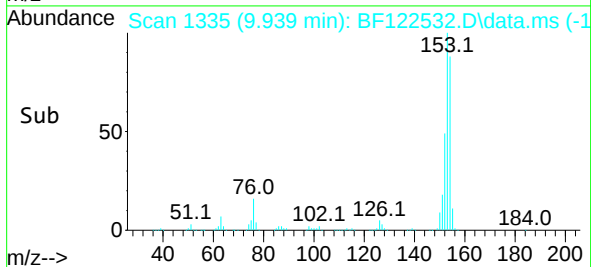
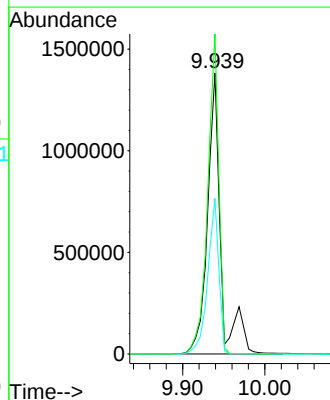
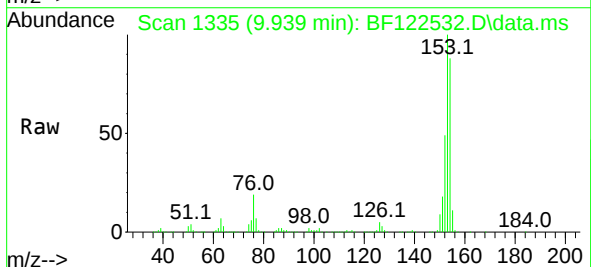
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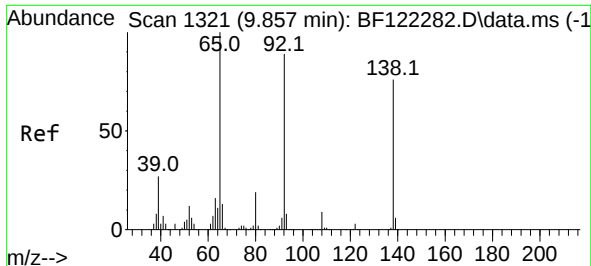
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#52  
Acenaphthene  
Concen: 46.96 ng m  
RT: 9.939 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:154 Resp: 1559404  
Ion Ratio Lower Upper  
154 100  
153 113.9 89.8 134.8  
152 55.3 43.2 64.8





#53  
3-Nitroaniline  
Concen: 27.60 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

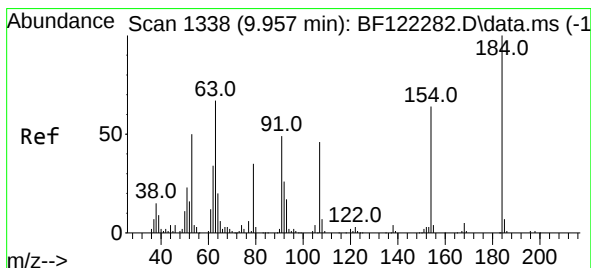
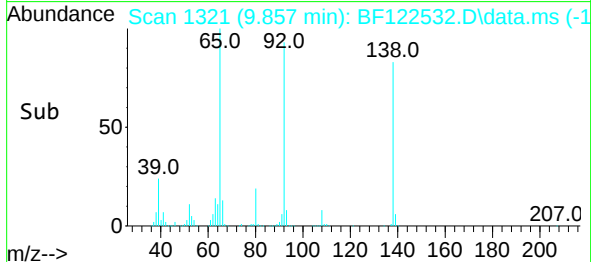
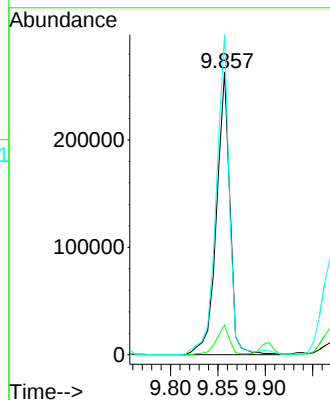
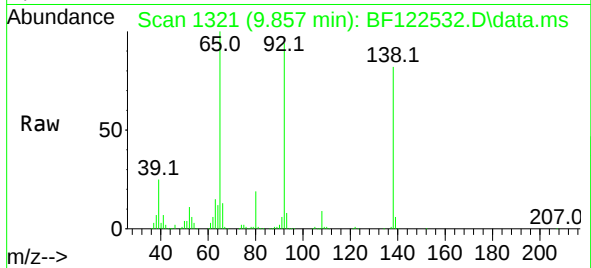
Tgt Ion:138 Resp: 258509  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.6 13.0  
92 113.4 96.6 144.8

Instrument :  
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ClientSampleId :  
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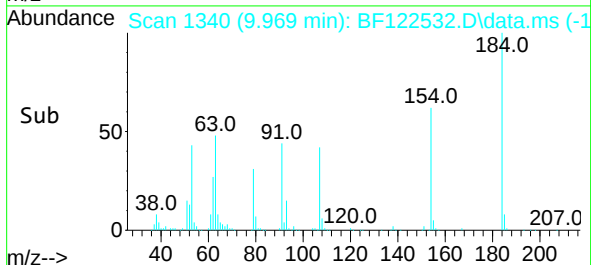
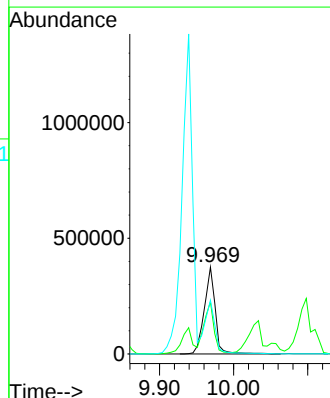
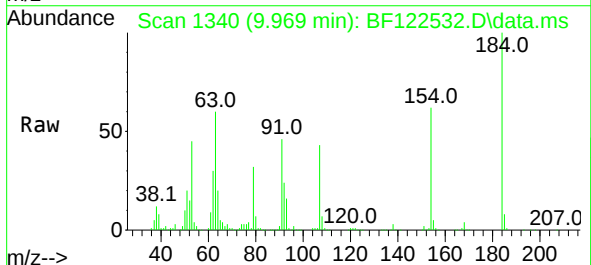
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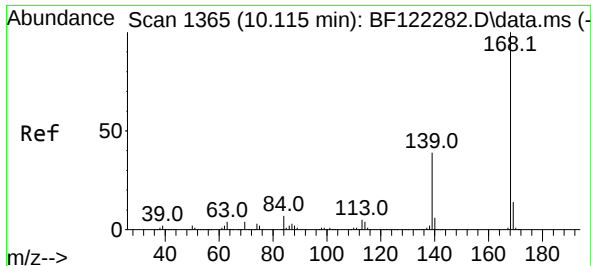
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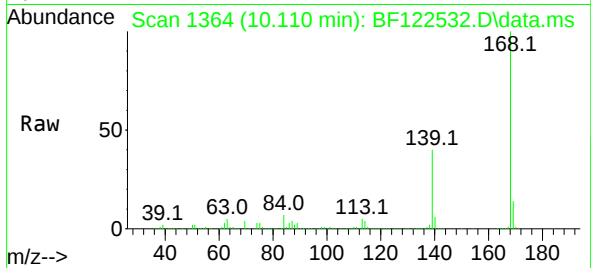
#54  
2,4-Dinitrophenol  
Concen: 94.17 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.012 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:184 Resp: 386919  
Ion Ratio Lower Upper  
184 100  
63 60.1 45.9 68.9  
154 61.9 45.8 68.6

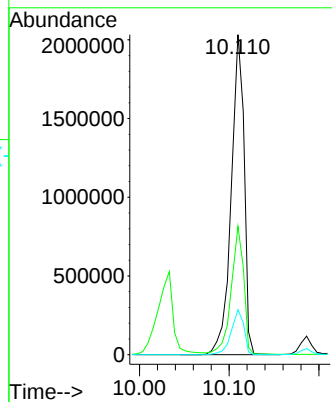
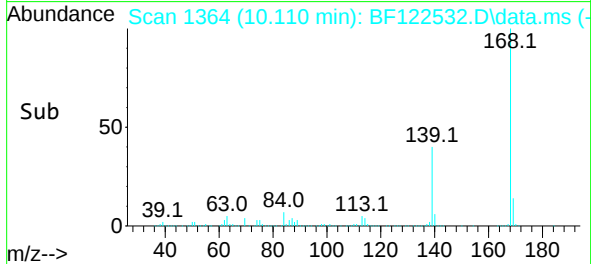




#55  
Dibenzenofuran  
Concen: 41.79 ng  
RT: 10.110 min Scan# 1364  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:168 Resp: 2033362  
Ion Ratio Lower Upper  
168 100  
139 40.1 31.0 46.6  
169 14.0 11.3 16.9

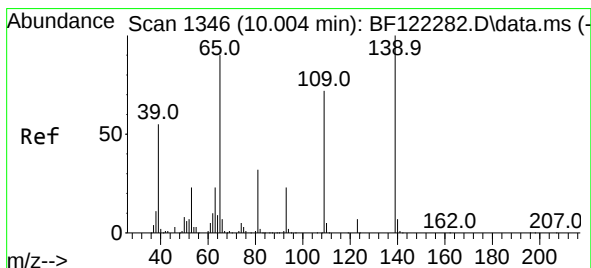


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

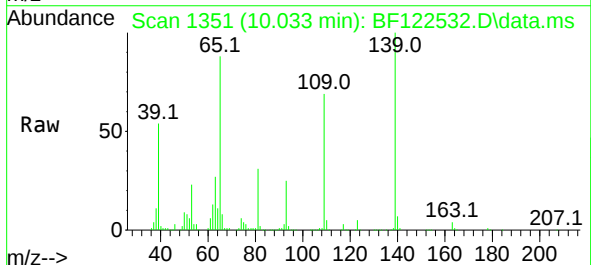
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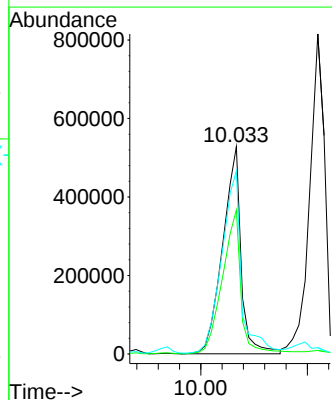
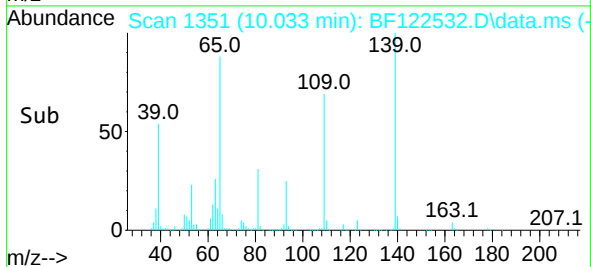
12/7/2020 8:52:42 AM

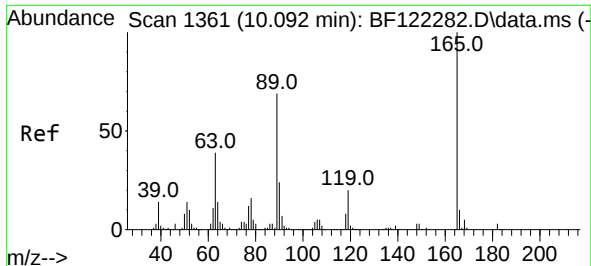


#56  
4-Nitrophenol  
Concen: 74.50 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. 0.018 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

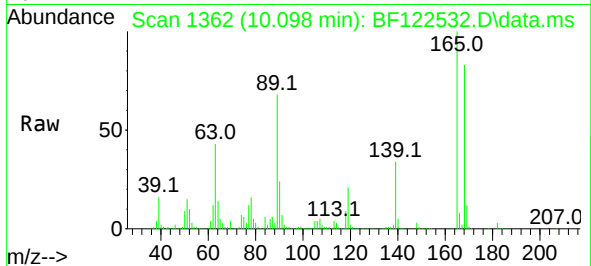


Tgt Ion:139 Resp: 634729  
Ion Ratio Lower Upper  
139 100  
109 69.4 45.4 85.4  
65 88.3 68.4 108.4

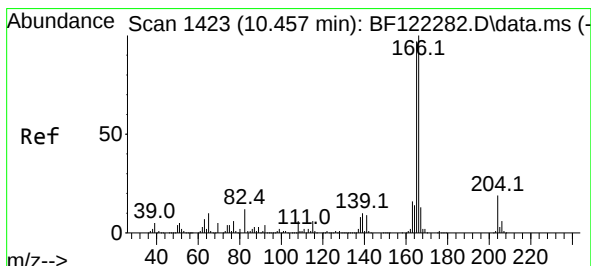
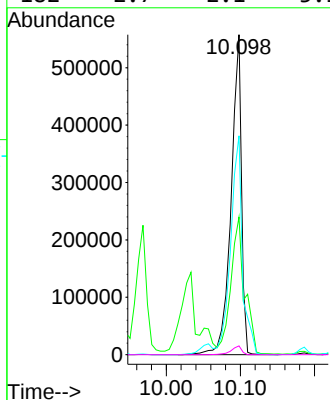
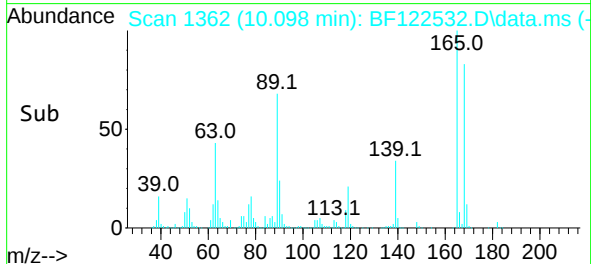




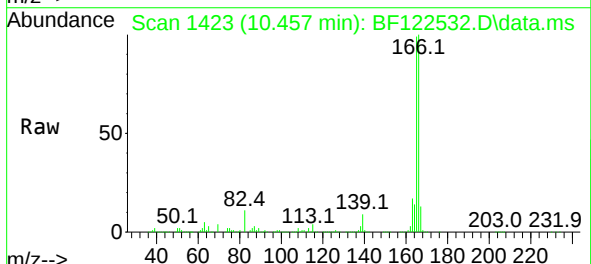
#57  
2,4-Dinitrotoluene  
Concen: 48.89 ng  
RT: 10.098 min Scan# 1362  
Delta R.T. 0.012 min  
Lab File: BF122532.D  
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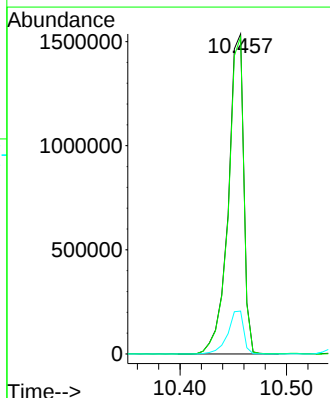
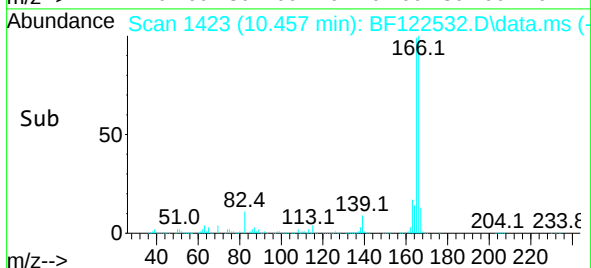
Tgt Ion:165 Resp: 539457  
Ion Ratio Lower Upper  
165 100  
63 43.0 41.3 61.9  
89 68.4 61.8 92.8  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 41.59 ng  
RT: 10.457 min Scan# 1423  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:166 Resp: 1549511  
Ion Ratio Lower Upper  
166 100  
165 99.0 79.1 118.7  
167 13.4 11.0 16.6

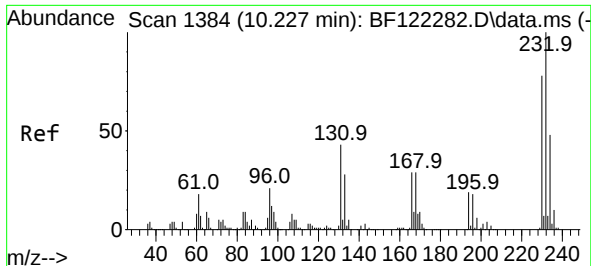


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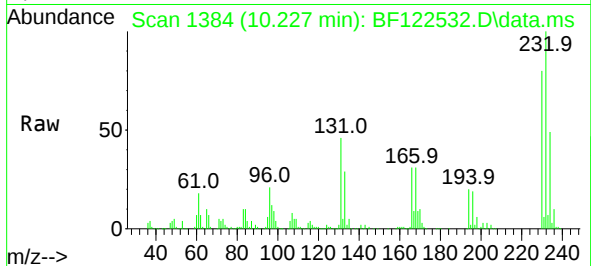
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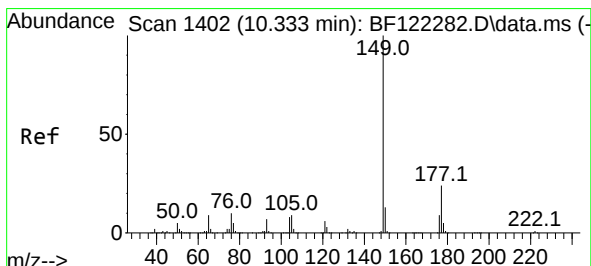
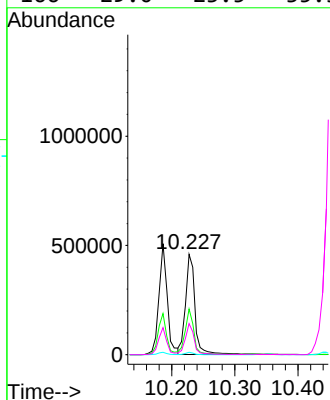
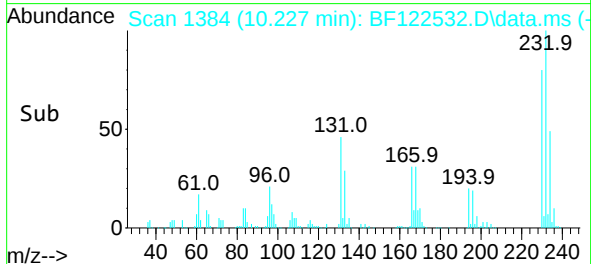
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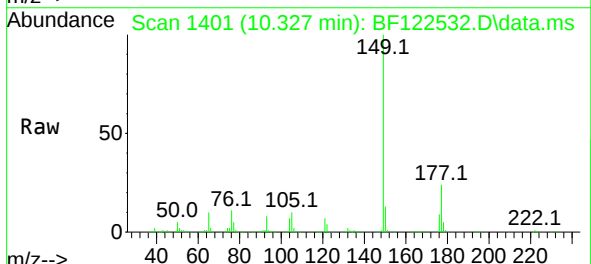
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.75 ng  
RT: 10.227 min Scan# 1384  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



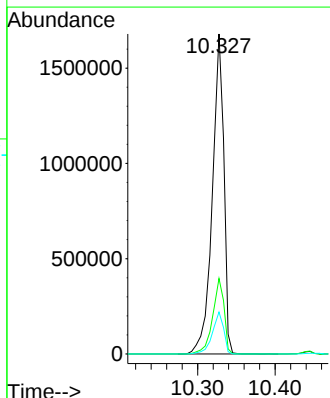
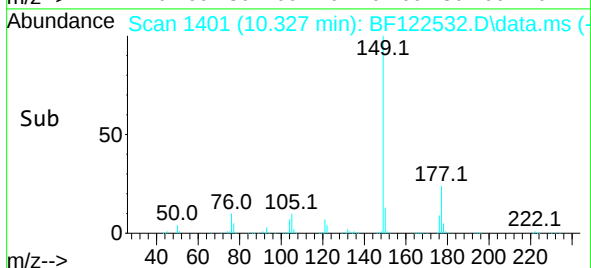
Tgt Ion:232 Resp: 479508  
Ion Ratio Lower Upper  
232 100  
131 41.7 35.9 53.9  
130 2.2 1.8 2.6  
166 29.0 23.5 35.3



#60  
Diethylphthalate  
Concen: 44.94 ng  
RT: 10.327 min Scan# 1401  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
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Tgt Ion:149 Resp: 1731173  
Ion Ratio Lower Upper  
149 100  
177 23.6 18.1 27.1  
150 13.1 10.3 15.5

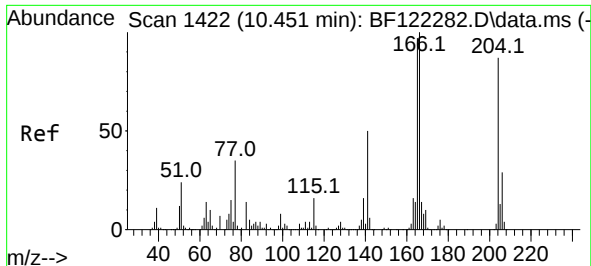


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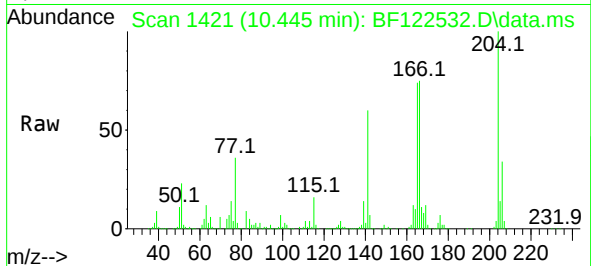
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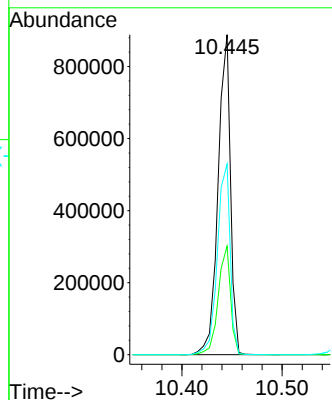
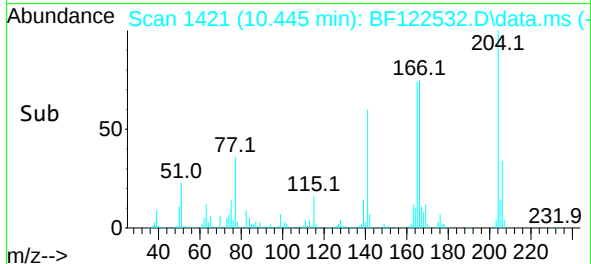
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#61  
4-Chlorophenyl-phenylether  
Concen: 43.43 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
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Tgt Ion:204 Resp: 763727  
Ion Ratio Lower Upper  
204 100  
206 33.9 26.0 39.0  
141 59.5 46.2 69.4

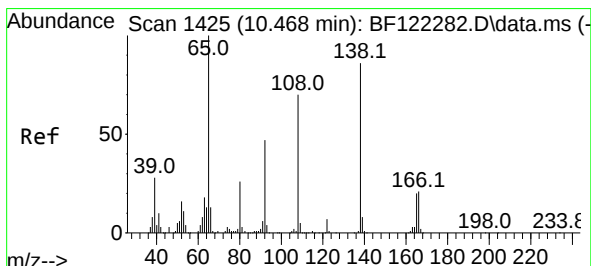


Instrument :  
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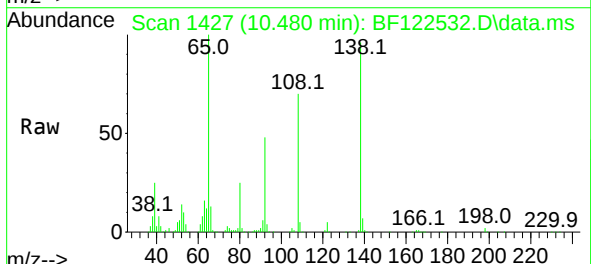
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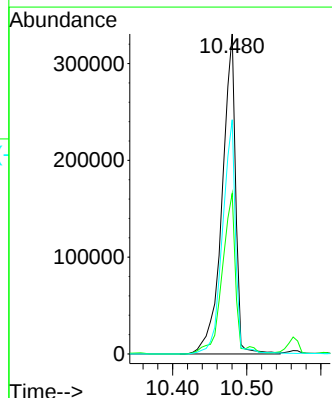
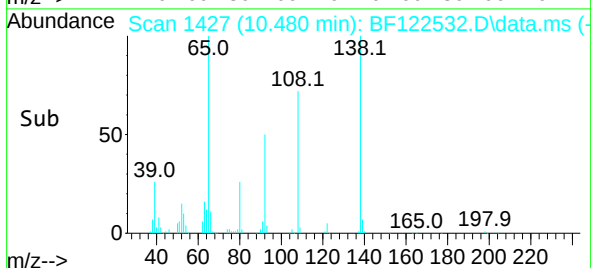
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#62  
4-Nitroaniline  
Concen: 43.56 ng  
RT: 10.480 min Scan# 1427  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



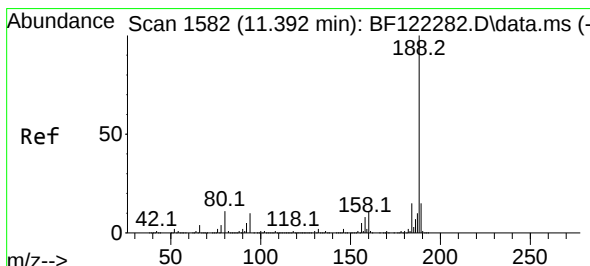
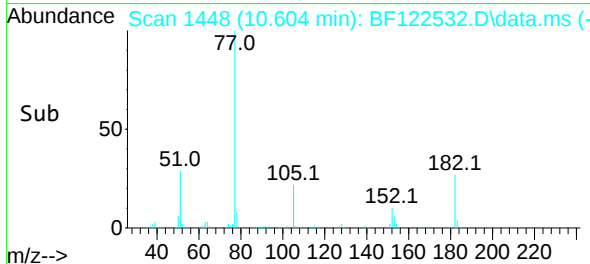
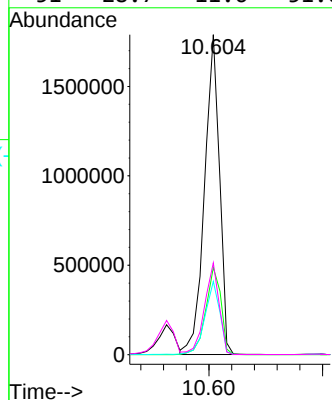
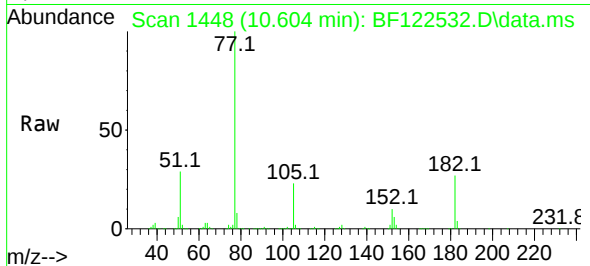
Tgt Ion:138 Resp: 420912  
Ion Ratio Lower Upper  
138 100  
92 50.2 31.0 71.0  
108 73.2 51.5 91.5





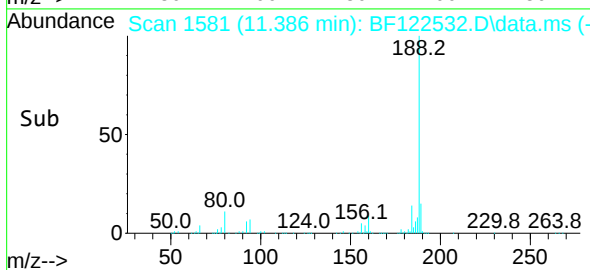
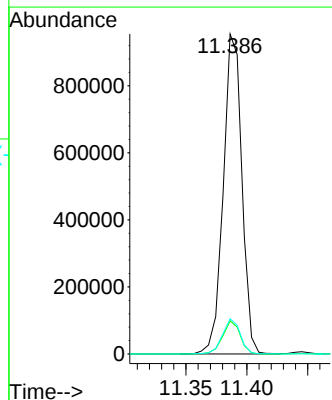
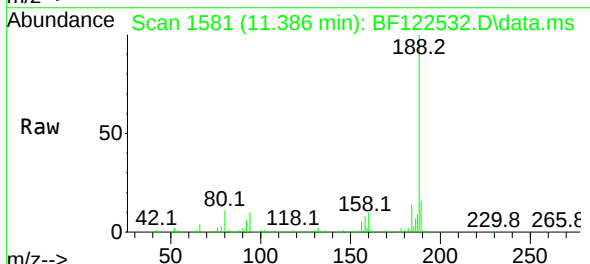
#63  
Azobenzene  
Concen: 40.37 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 77 Resp: 1631439  
Ion Ratio Lower Upper  
77 100  
182 27.2 3.4 43.4  
105 22.9 1.7 41.7  
51 28.7 11.6 51.6



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.386 min Scan# 1581  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion: 188 Resp: 1013563  
Ion Ratio Lower Upper  
188 100  
94 10.4 8.3 12.5  
80 11.0 9.1 13.7

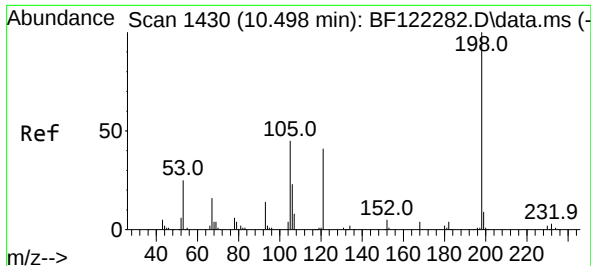


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#65  
4,6-Dinitro-2-methylphenol  
Concen: 58.44 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

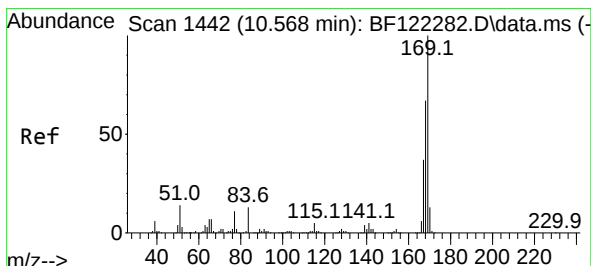
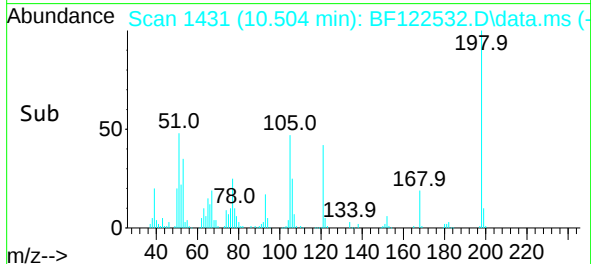
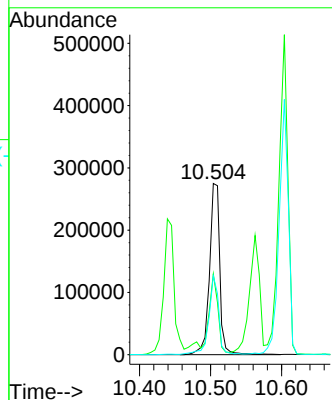
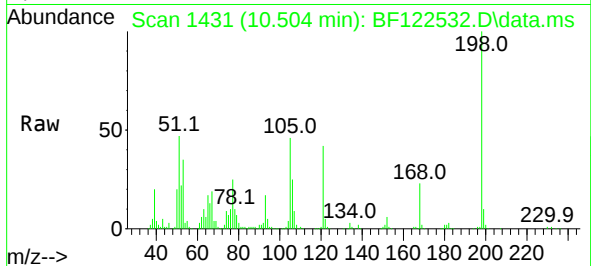
Tgt Ion:198 Resp: 280149  
Ion Ratio Lower Upper  
198 100  
51 47.2 29.6 69.6  
105 46.1 24.4 64.4

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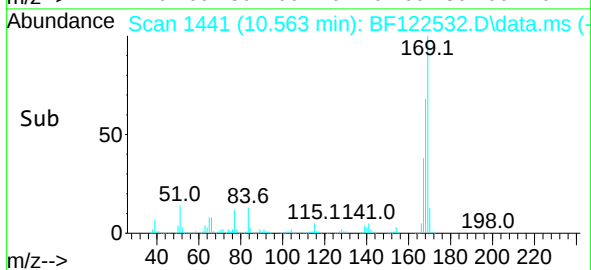
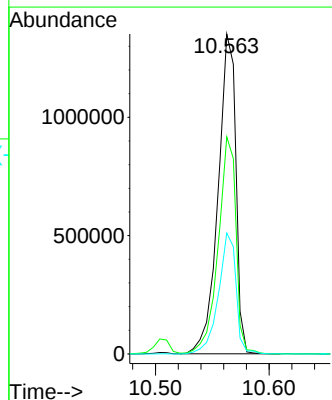
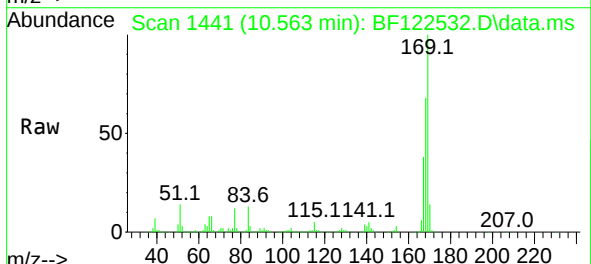
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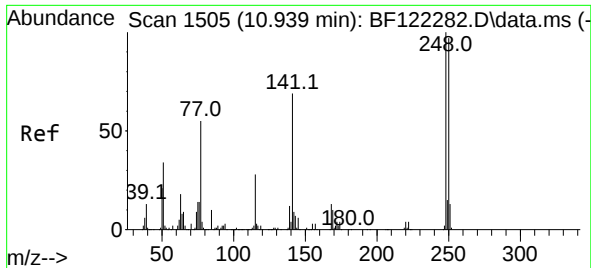
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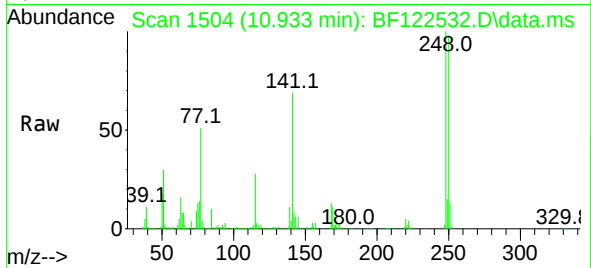
#66  
n-Nitrosodiphenylamine  
Concen: 42.61 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
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Tgt Ion:169 Resp: 1471401  
Ion Ratio Lower Upper  
169 100  
168 67.9 50.0 75.0  
167 37.8 27.8 41.6

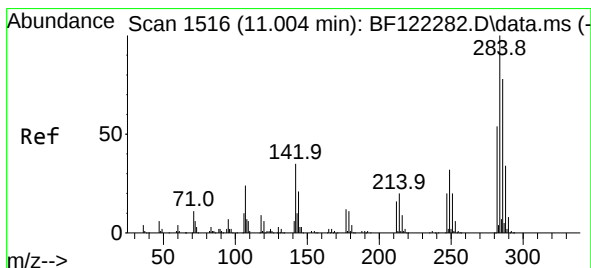
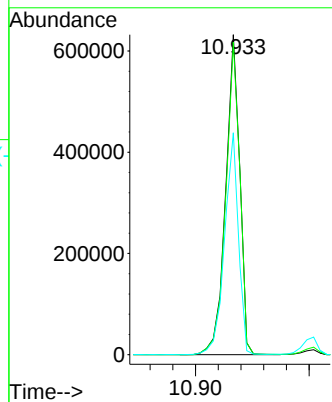
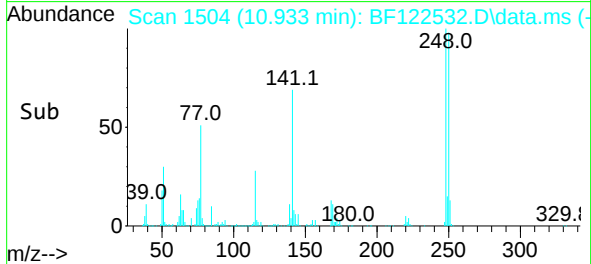




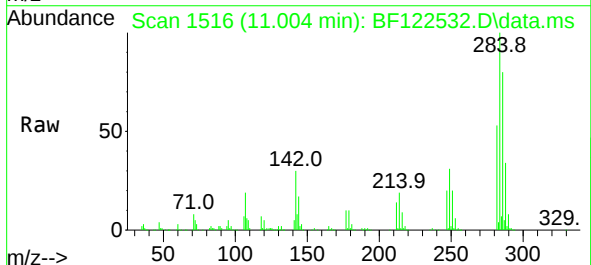
#67  
4-Bromophenyl-phenylether  
Concen: 45.80 ng  
RT: 10.933 min Scan# 1504  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
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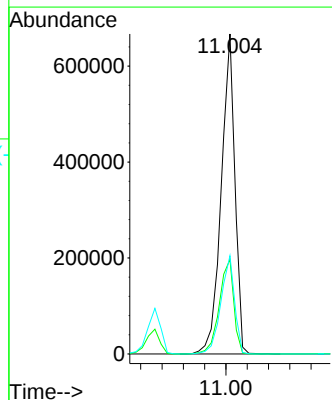
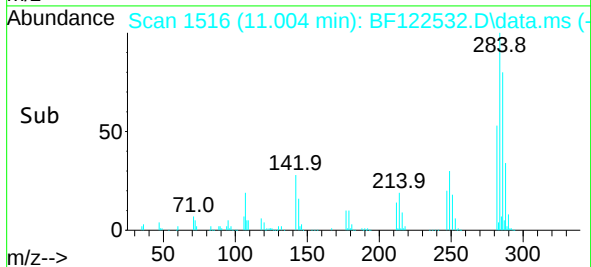
Tgt Ion:248 Resp: 545555  
Ion Ratio Lower Upper  
248 100  
250 97.7 77.0 115.6  
141 69.3 53.7 80.5



#68  
Hexachlorobenzene  
Concen: 46.15 ng  
RT: 11.004 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
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Tgt Ion:284 Resp: 593821  
Ion Ratio Lower Upper  
284 100  
142 29.6 27.4 41.2  
249 30.7 24.2 36.4

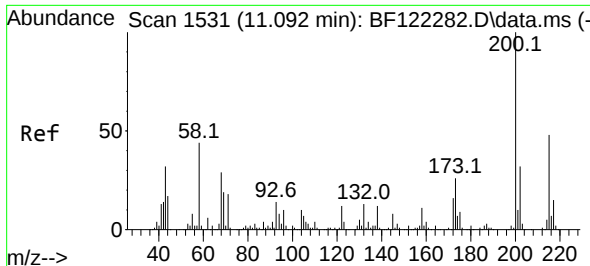


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#69  
Atrazine  
Concen: 51.72 ng  
RT: 11.092 min Scan# 1531  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

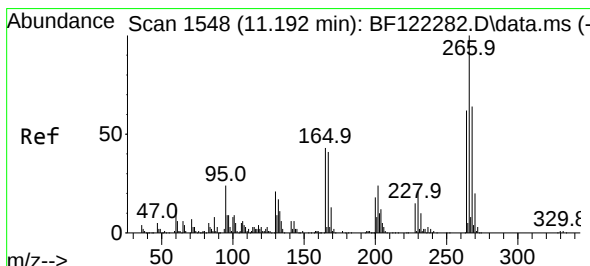
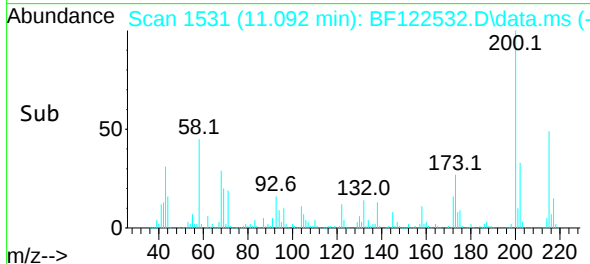
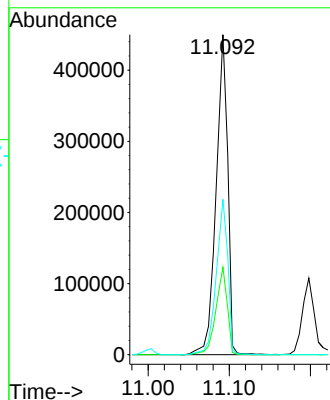
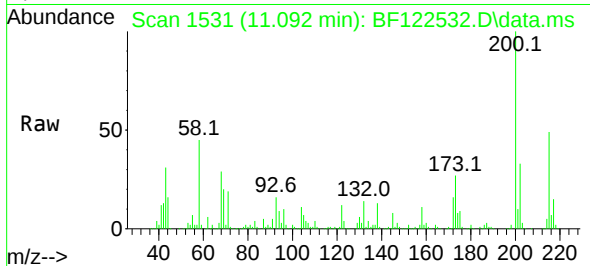
Tgt Ion:200 Resp: 444808  
Ion Ratio Lower Upper  
200 100  
173 27.4 7.5 47.5  
215 48.5 27.1 67.1

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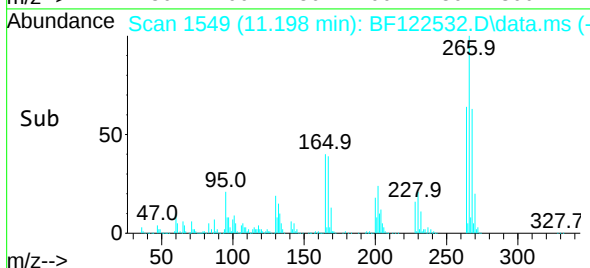
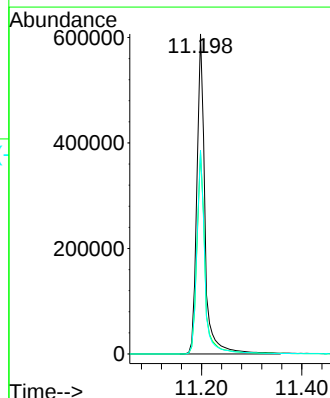
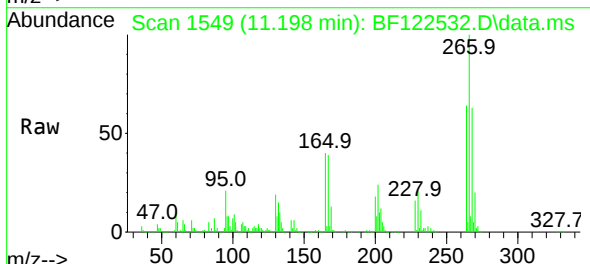
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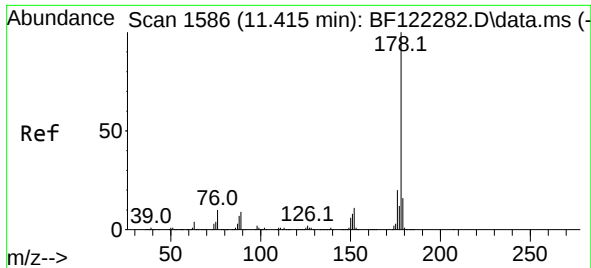
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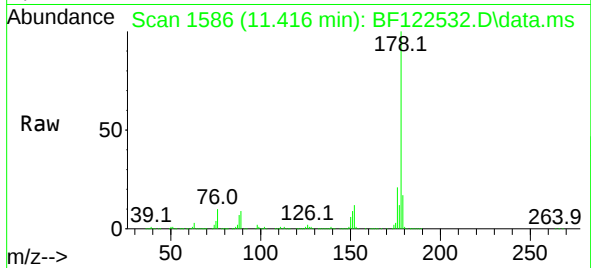
#70  
Pentachlorophenol  
Concen: 91.46 ng  
RT: 11.198 min Scan# 1549  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:266 Resp: 678056  
Ion Ratio Lower Upper  
266 100  
268 63.2 52.4 78.6  
264 63.7 49.9 74.9

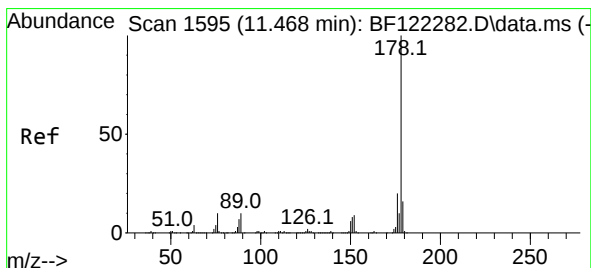
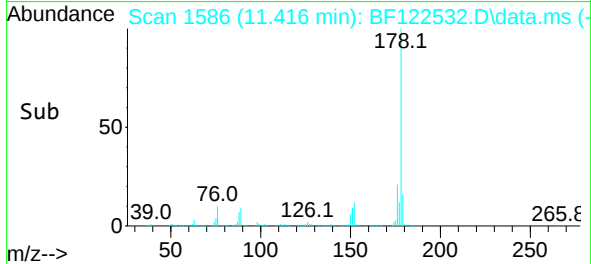
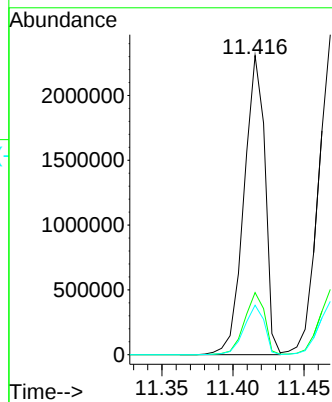




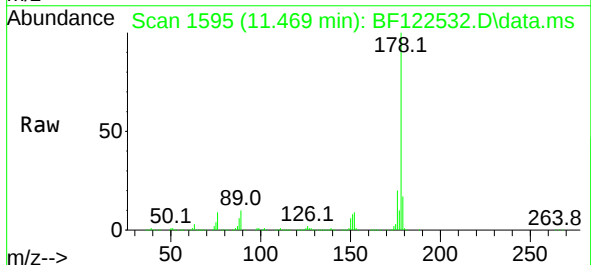
#71  
Phenanthrene  
Concen: 41.04 ng  
RT: 11.416 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



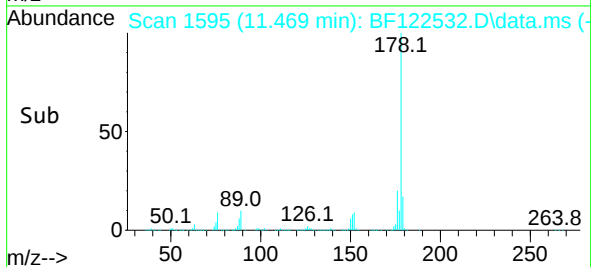
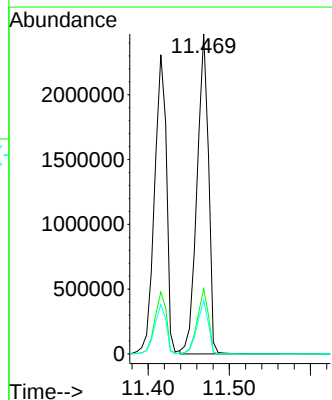
Tgt Ion:178 Resp: 2359978  
Ion Ratio Lower Upper  
178 100  
176 20.8 15.9 23.9  
179 16.5 12.2 18.4



#72  
Anthracene  
Concen: 41.06 ng  
RT: 11.469 min Scan# 1595  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:178 Resp: 2433313  
Ion Ratio Lower Upper  
178 100  
176 20.4 15.7 23.5  
179 16.7 12.7 19.1

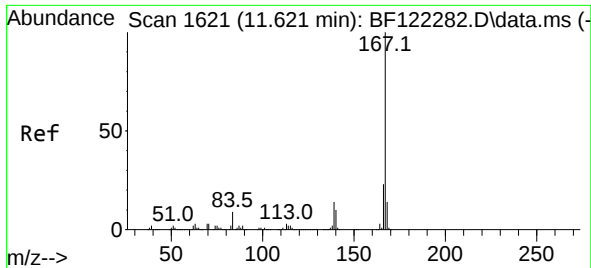


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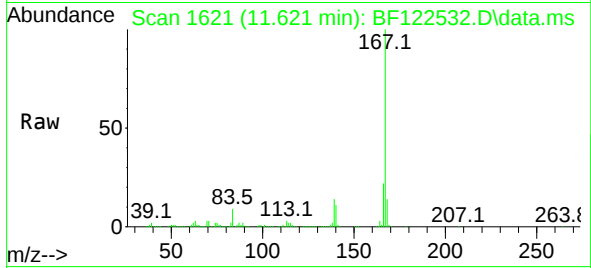
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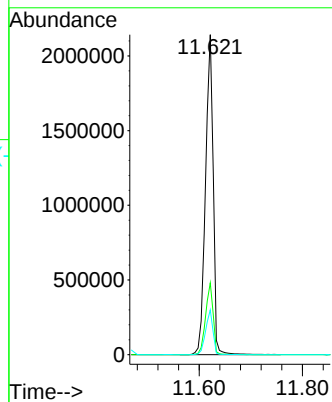
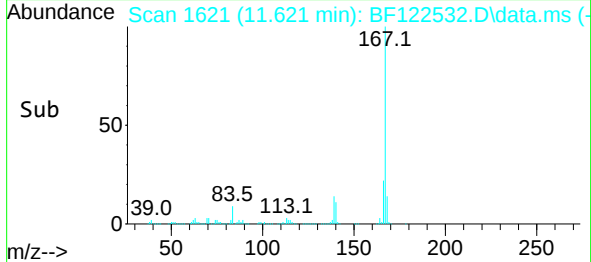
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#73  
 Carbazole  
 Concen: 41.09 ng  
 RT: 11.621 min Scan# 1621  
 Delta R.T. -0.000 min  
 Lab File: BF122532.D  
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Tgt Ion:167 Resp: 2215369  
 Ion Ratio Lower Upper  
 167 100  
 166 22.5 17.8 26.6  
 139 14.0 10.8 16.2

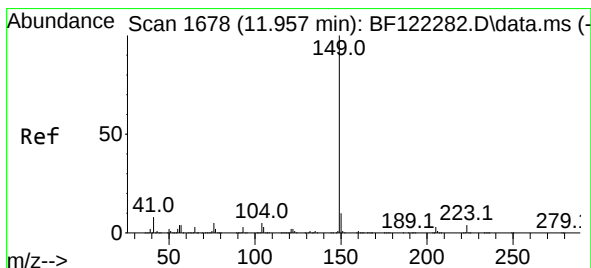


Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB133348BS

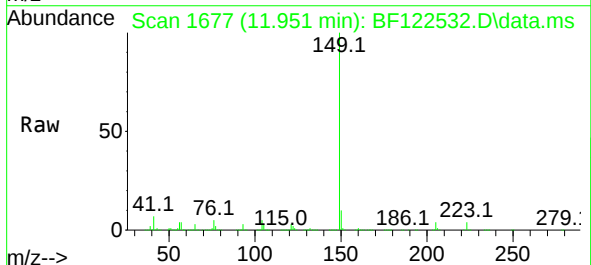
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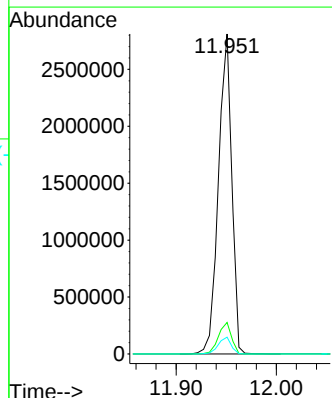
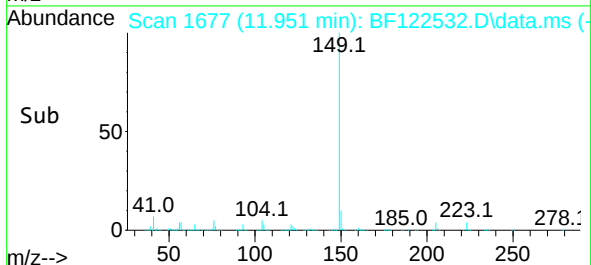
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#74  
 Di-n-butylphthalate  
 Concen: 45.08 ng  
 RT: 11.951 min Scan# 1677  
 Delta R.T. -0.000 min  
 Lab File: BF122532.D  
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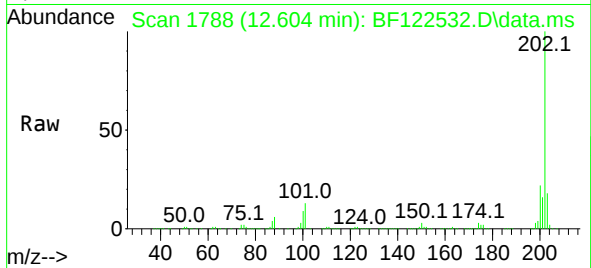


Tgt Ion:149 Resp: 2591199  
 Ion Ratio Lower Upper  
 149 100  
 150 9.8 7.7 11.5  
 104 5.2 4.2 6.2

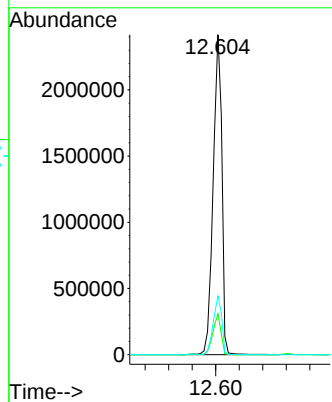
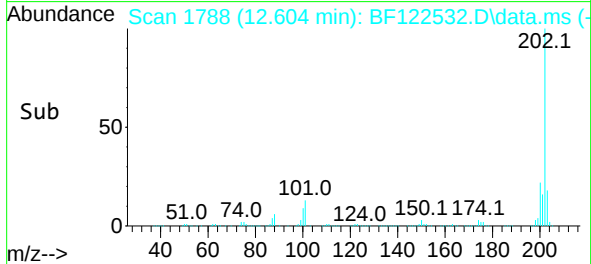




#75  
Fluoranthene  
Concen: 41.51 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:202 Resp: 2492342  
Ion Ratio Lower Upper  
202 100  
101 12.7 0.0 33.4  
203 18.3 0.0 37.9

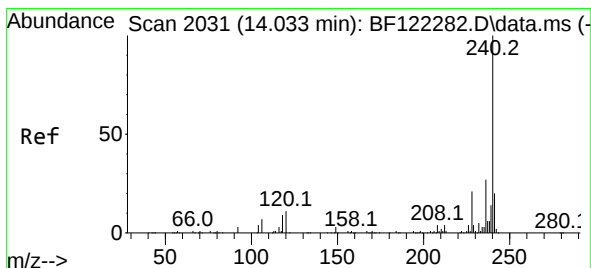


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

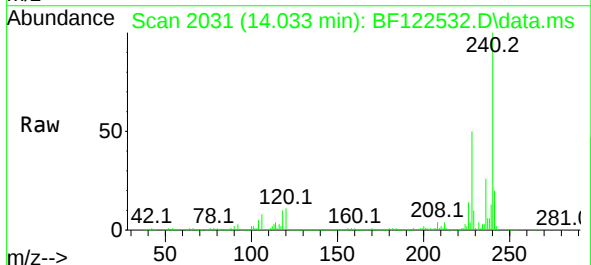
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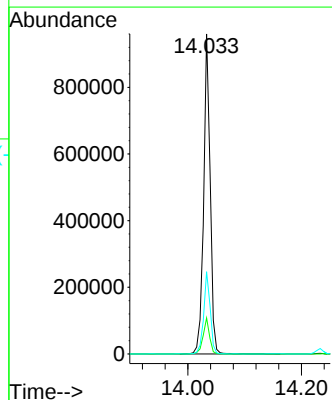
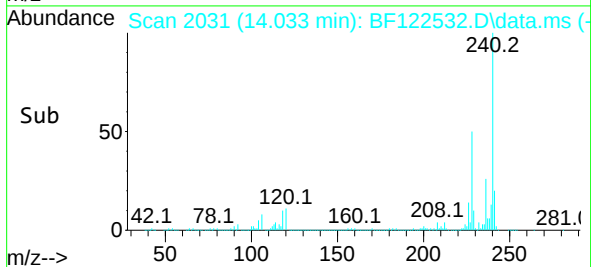
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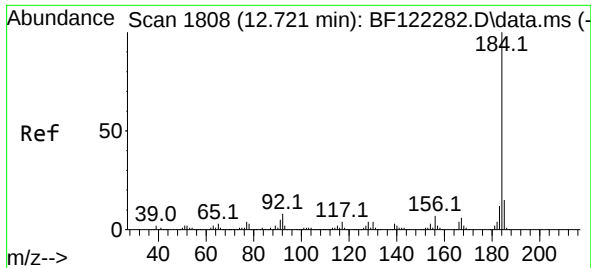


#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

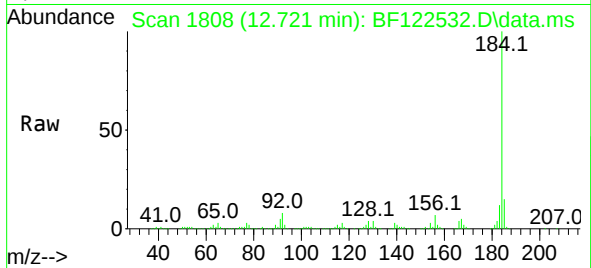


Tgt Ion:240 Resp: 763859  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.2 13.8  
236 25.7 20.9 31.3

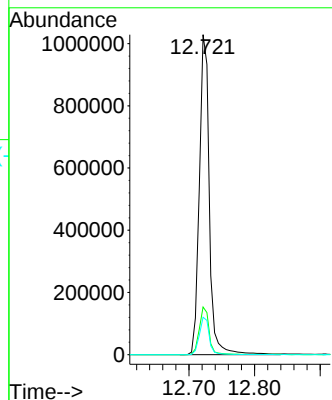
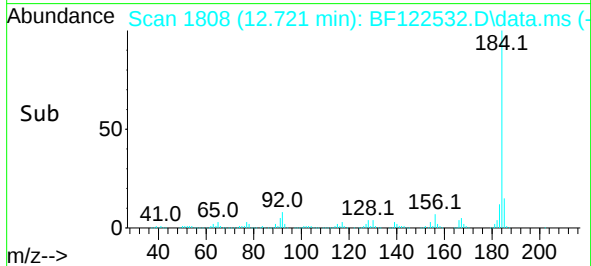




#77  
Benzidine  
Concen: 51.58 ng  
RT: 12.721 min Scan# 1808  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:184 Resp: 1092858  
Ion Ratio Lower Upper  
184 100  
185 14.9 11.6 17.4  
183 11.7 9.4 14.0

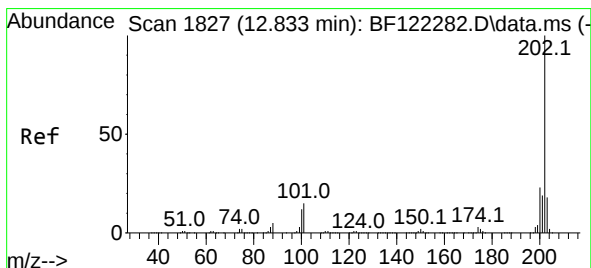


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

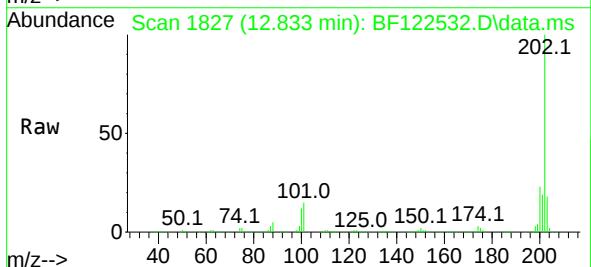
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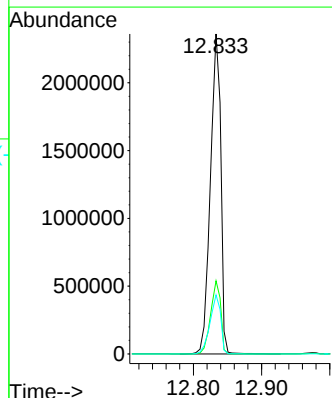
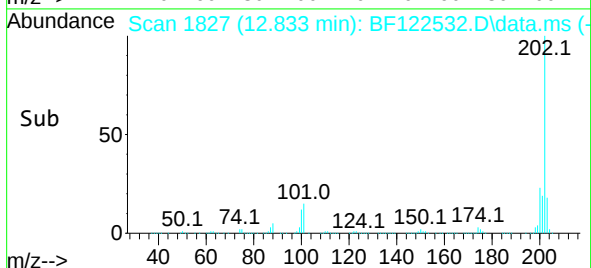
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#78  
Pyrene  
Concen: 46.65 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

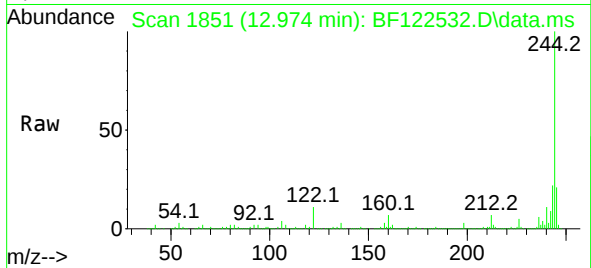


Tgt Ion:202 Resp: 2503228  
Ion Ratio Lower Upper  
202 100  
200 22.8 17.4 26.2  
203 18.5 14.6 21.8

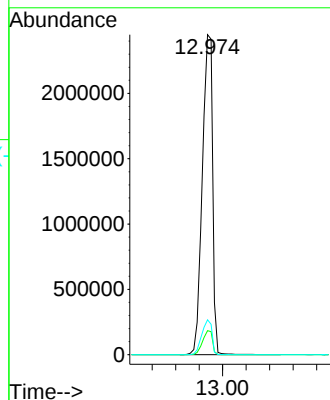




#79  
Terphenyl-d14  
Concen: 82.35 ng  
RT: 12.974 min Scan# 1851  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:244 Resp: 2969277  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.4 8.2  
122 10.9 8.1 12.1

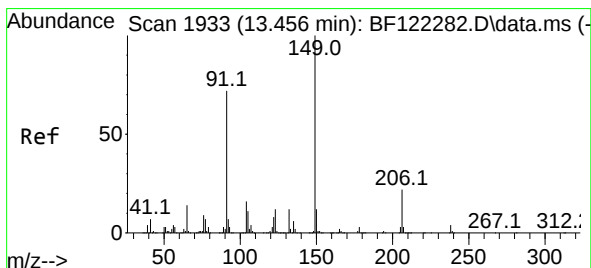


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

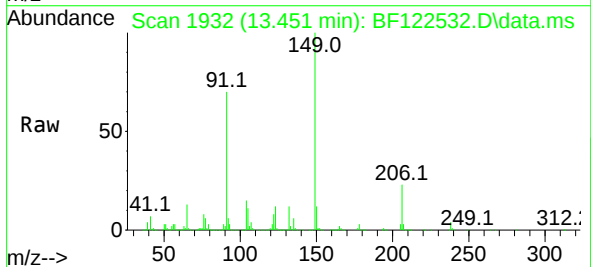
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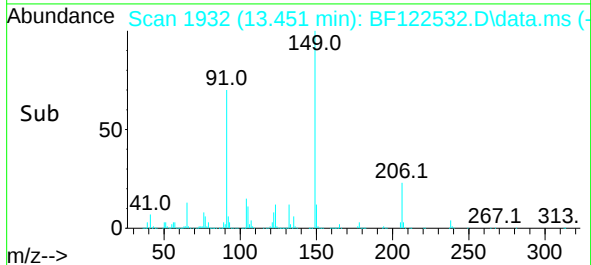
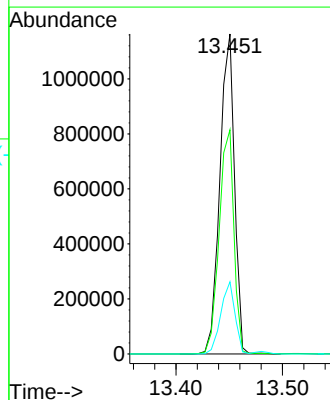
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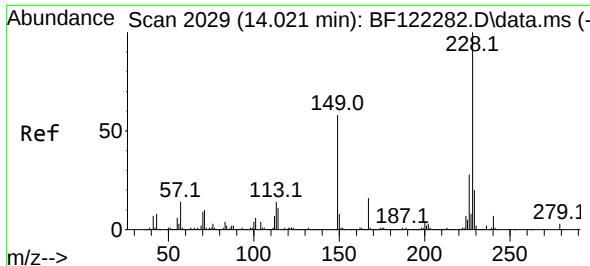


#80  
Butylbenzylphthalate  
Concen: 51.32 ng  
RT: 13.451 min Scan# 1932  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

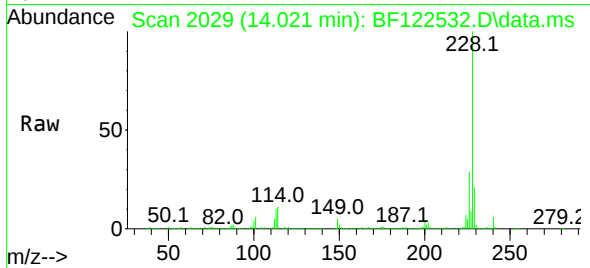


Tgt Ion:149 Resp: 1109619  
Ion Ratio Lower Upper  
149 100  
91 70.0 61.0 91.4  
206 22.5 16.7 25.1

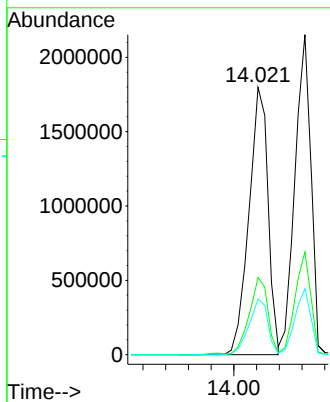
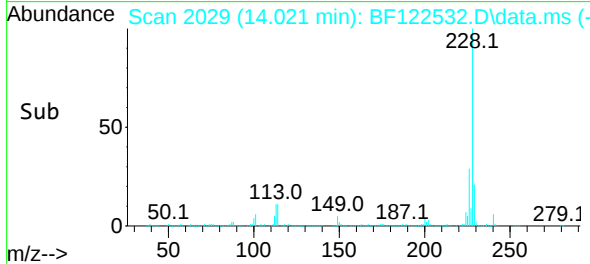




#81  
Benzo(a)anthracene  
Concen: 44.27 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:228 Resp: 2103266  
Ion Ratio Lower Upper  
228 100  
226 28.9 22.3 33.5  
229 20.8 16.2 24.4

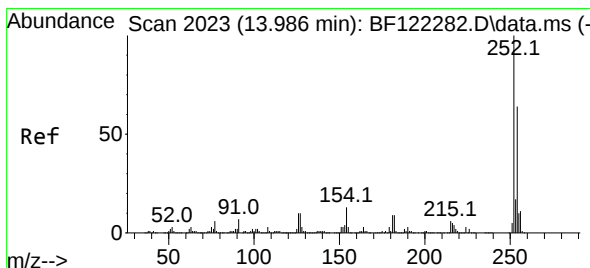


Instrument :  
BNA\_F  
ClientSampleId :  
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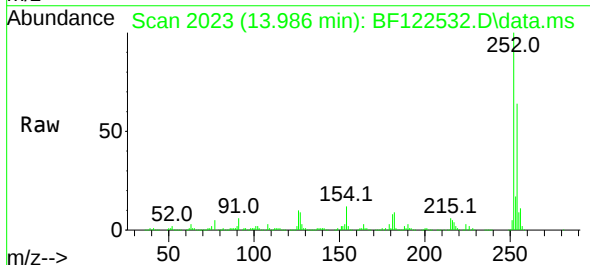
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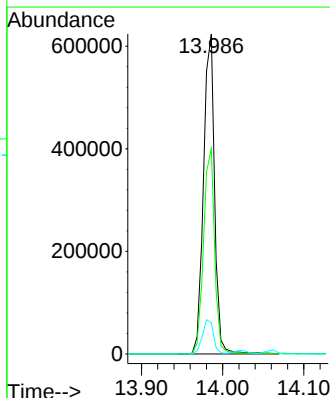
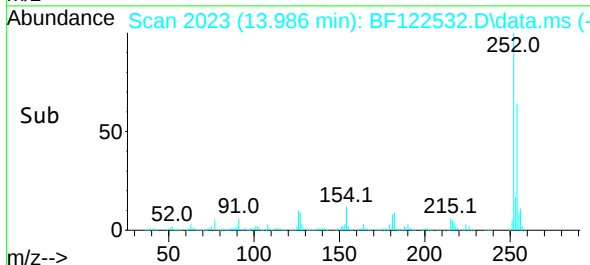
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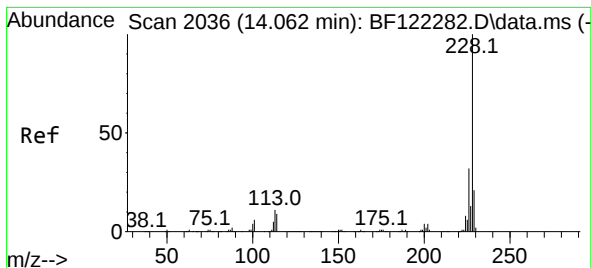


#82  
3,3'-Dichlorobenzidine  
Concen: 33.43 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:252 Resp: 591778  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.8 77.6  
126 9.7 8.8 13.2





#83

Chrysene

Concen: 44.10 ng

RT: 14.062 min Scan# 2036

Delta R.T. -0.000 min

Lab File: BF122532.D

Acq: 3 Dec 2020 11:36

Tgt Ion:228 Resp: 2110262

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 32.1  | 24.6  | 37.0  |
| 229 | 20.6  | 15.9  | 23.9  |

Instrument :

BNA\_F

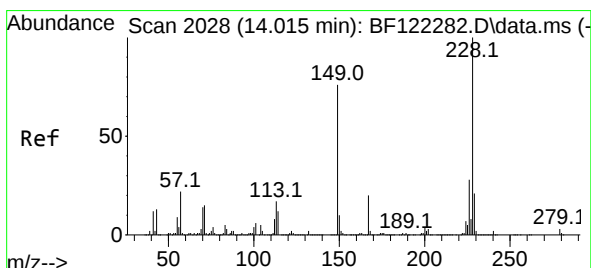
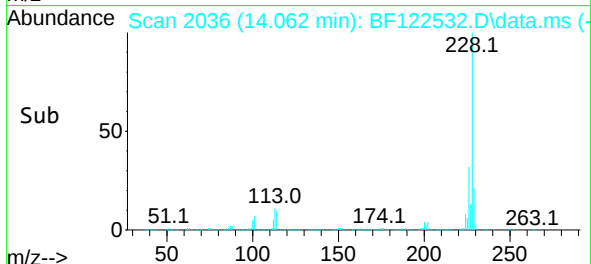
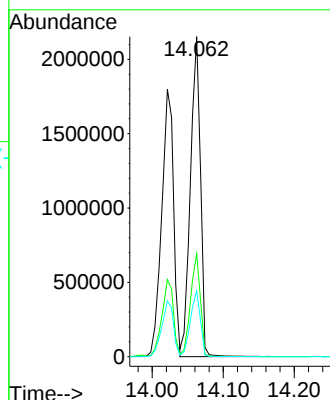
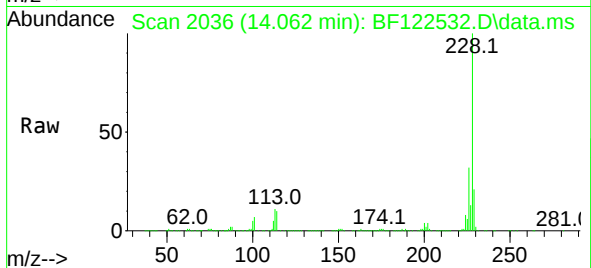
ClientSampleId :

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#84

Bis(2-ethylhexyl)phthalate

Concen: 55.29 ng

RT: 14.010 min Scan# 2027

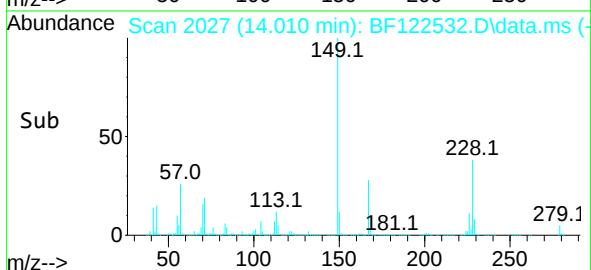
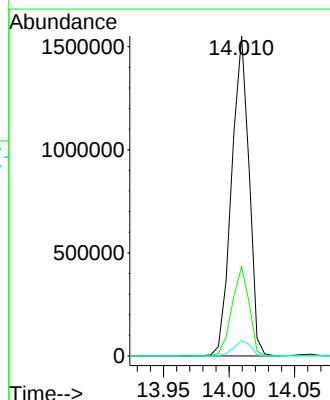
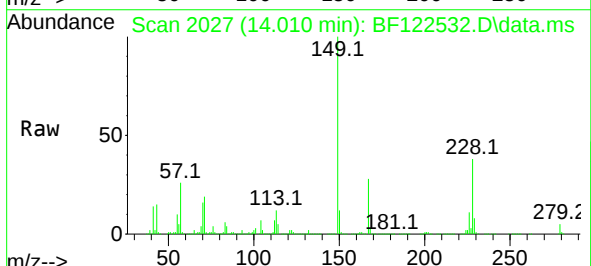
Delta R.T. -0.000 min

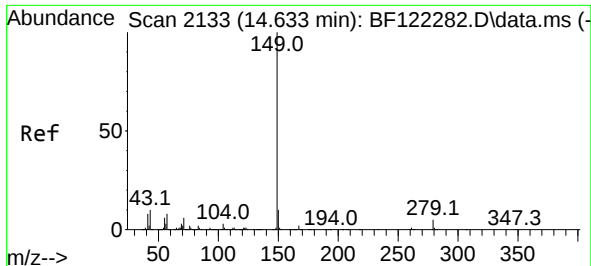
Lab File: BF122532.D

Acq: 3 Dec 2020 11:36

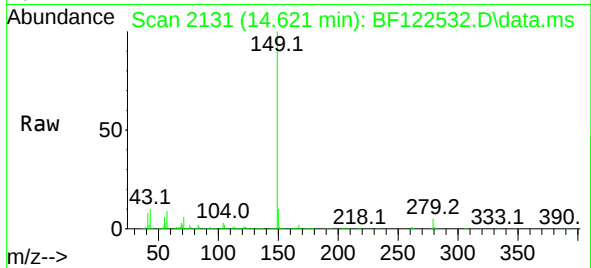
Tgt Ion:149 Resp: 1430722

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.9  | 20.9  | 31.3  |
| 279 | 4.8   | 3.2   | 4.8   |

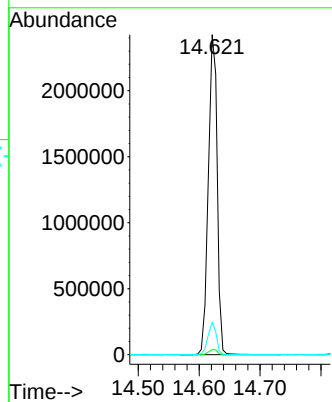
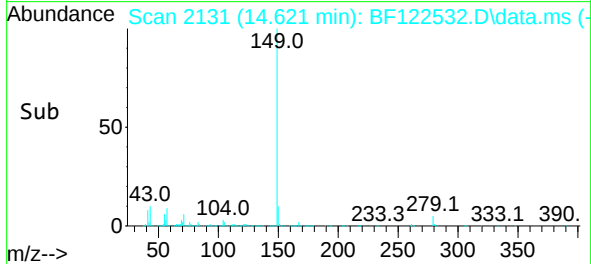




#85  
Di-n-octyl phthalate  
Concen: 55.83 ng  
RT: 14.621 min Scan# 2131  
Delta R.T. -0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:149 Resp: 2448196  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.5 9.0 13.6

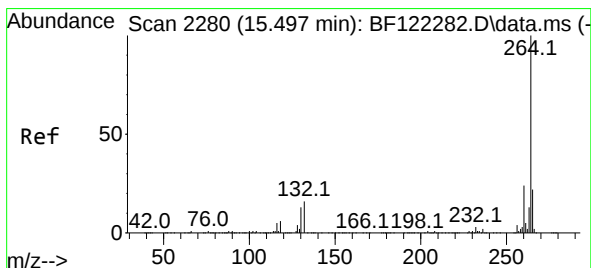


Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

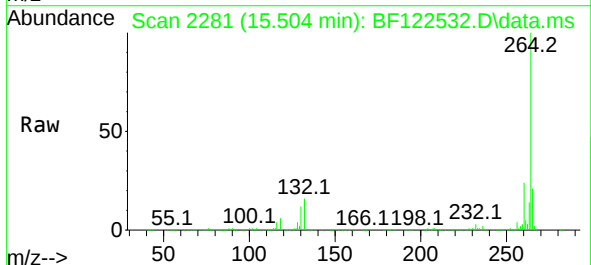
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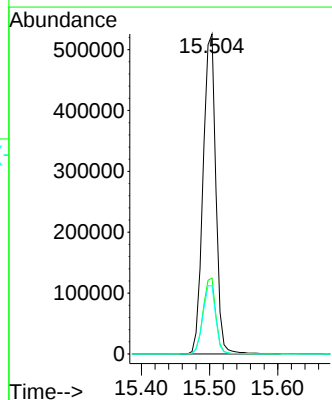
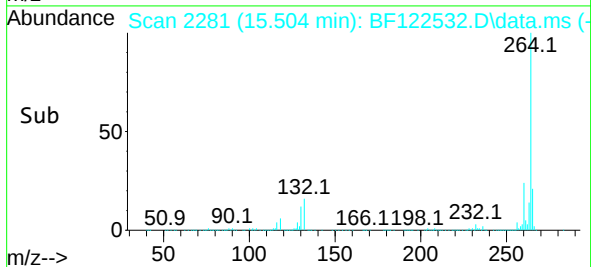
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.504 min Scan# 2281  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36



Tgt Ion:264 Resp: 684639  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.7 28.1  
265 21.3 17.3 25.9





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 46.63 ng  
RT: 16.980 min Scan# 2532  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

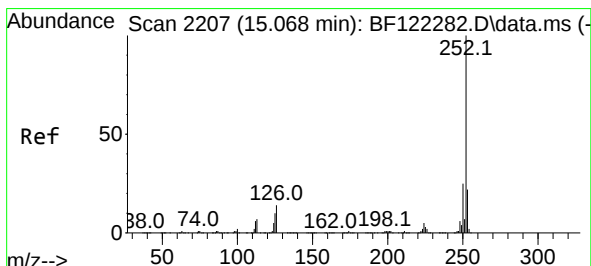
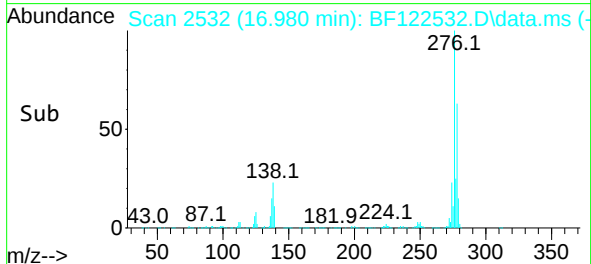
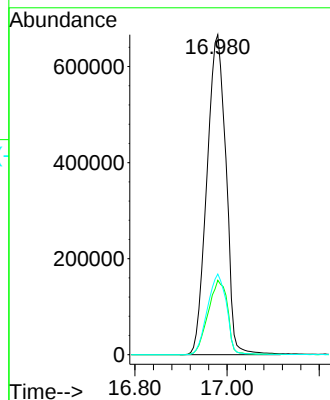
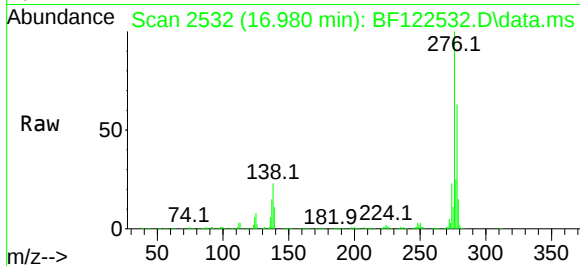
Tgt Ion:276 Resp: 1915791  
Ion Ratio Lower Upper  
276 100  
138 23.9 19.9 29.9  
277 25.4 20.4 30.6

Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

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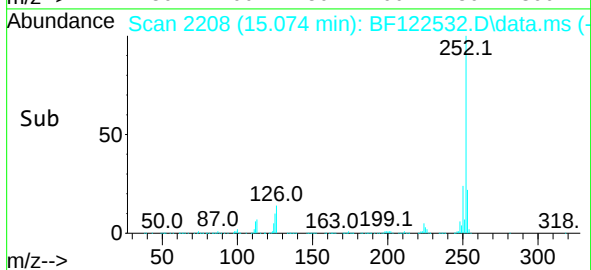
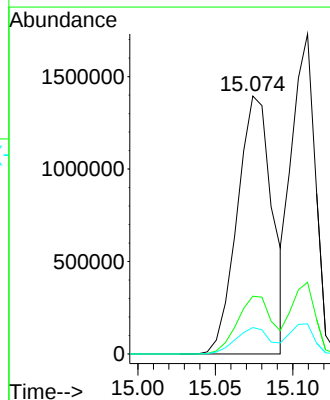
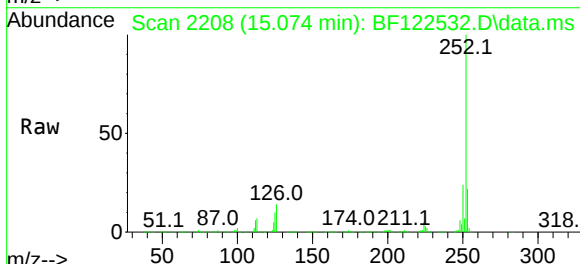
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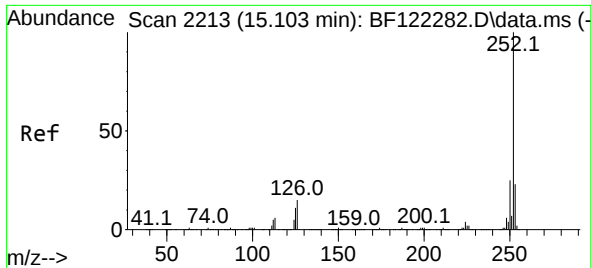
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#88  
Benzo(b)fluoranthene  
Concen: 49.45 ng  
RT: 15.074 min Scan# 2208  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:252 Resp: 2192808  
Ion Ratio Lower Upper  
252 100  
253 22.4 18.2 27.2  
125 10.3 8.0 12.0





#89  
Benzo(k)fluoranthene  
Concen: 43.01 ng  
RT: 15.109 min Scan# 2214  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

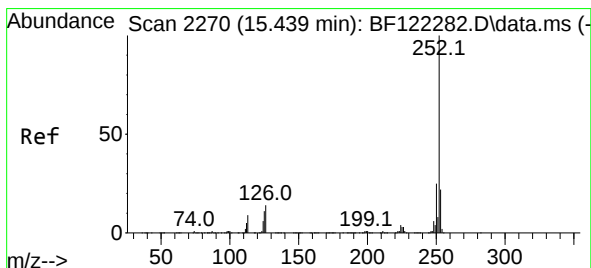
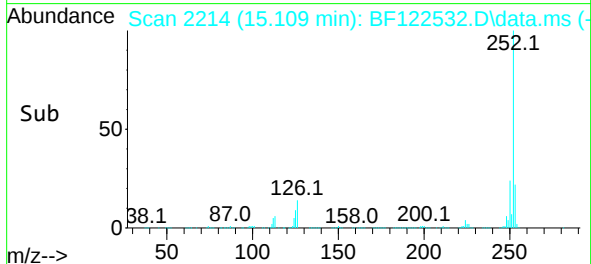
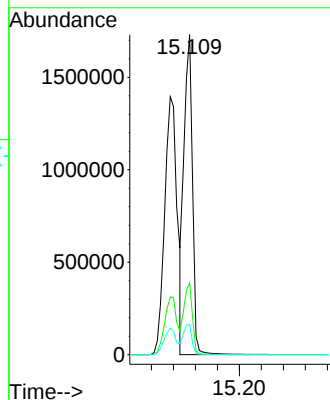
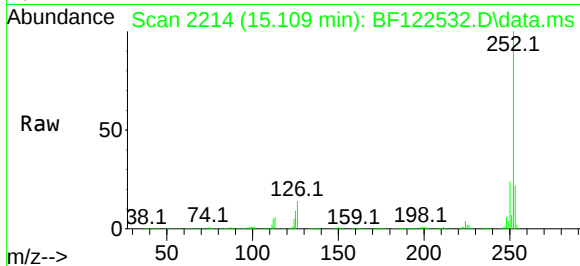
Tgt Ion:252 Resp: 1859685  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.6  
125 9.4 7.7 11.5

Instrument :  
BNA\_F  
ClientSampleId :  
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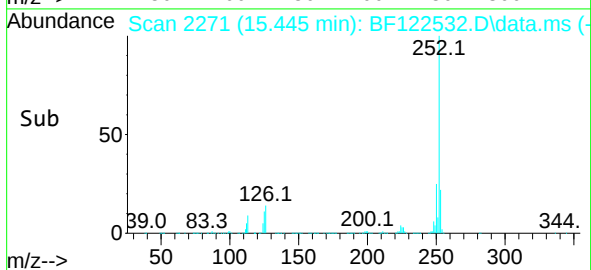
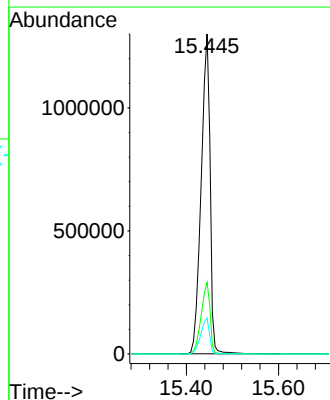
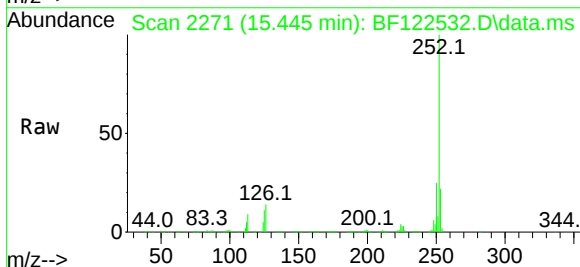
monammad

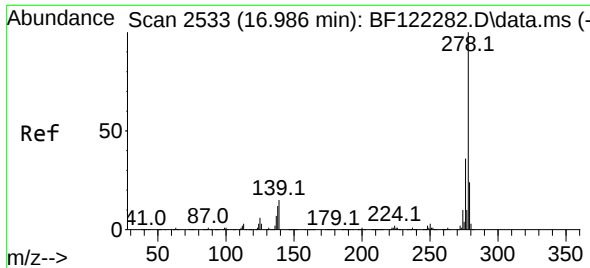
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#90  
Benzo(a)pyrene  
Concen: 45.38 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. -0.000 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:252 Resp: 1754260  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.3 25.9  
125 11.3 8.6 13.0





#91  
Dibenzo(a,h)anthracene  
Concen: 45.82 ng  
RT: 16.998 min Scan# 2535  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

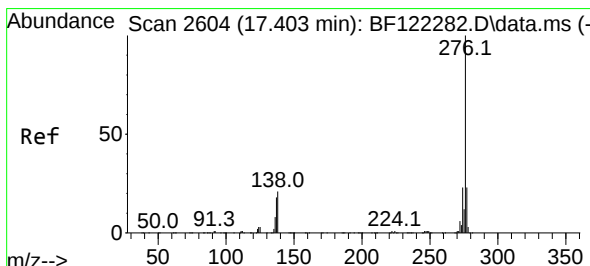
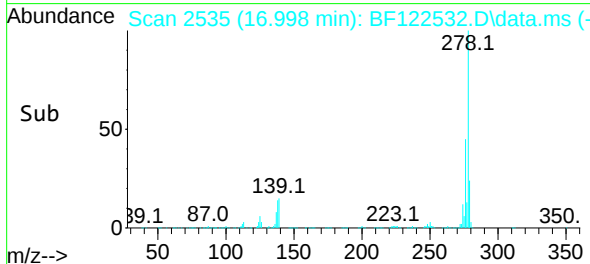
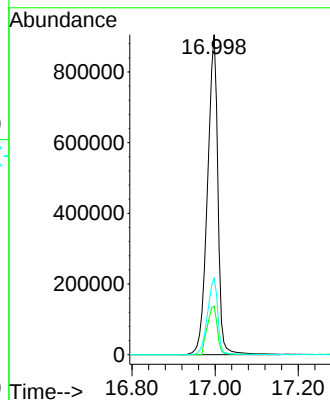
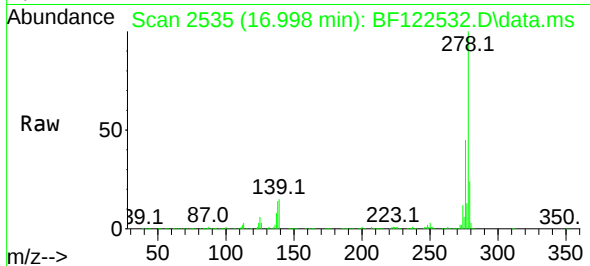
Tgt Ion:278 Resp: 1576544  
Ion Ratio Lower Upper  
278 100  
139 15.2 13.0 19.4  
279 23.9 19.0 28.4

Instrument :  
BNA\_F  
ClientSampleId :  
PB133348BS

Manual Integrations  
APPROVED

monammad

12/7/2020 8:52:42 AM



#92  
Benzo(g,h,i)perylene  
Concen: 46.19 ng  
RT: 17.427 min Scan# 2608  
Delta R.T. 0.006 min  
Lab File: BF122532.D  
Acq: 3 Dec 2020 11:36

Tgt Ion:276 Resp: 1545625  
Ion Ratio Lower Upper  
276 100  
277 23.6 19.4 29.2  
138 19.8 17.8 26.6

