

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
 Data File : BF122053.D  
 Acq On : 21 Oct 2020 14:10  
 Operator : JU/CG  
 Sample : L4309-04MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWLS-HEAD-BH-04-BMS

Manual Integrations  
 APPROVED

mohammad  
 10/22/2020 12:59:08 PM

Quant Time: Oct 21 14:36:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 12:04:42 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 102650   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 410724   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.763  | 164  | 220388   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 427791   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 348810   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.310 | 264  | 301381   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 617278   | 88.75 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.381  | 99   | 784260   | 87.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 556271   | 69.46 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 226144   | 82.95 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.087  | 172  | 986804   | 65.88 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 1154187  | 63.06 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.452  | 88   | 127644   | 41.73 | ng    | 99       |
| 3) Pyridine                   | 3.169  | 79   | 340386   | 42.32 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.134  | 42   | 188003   | 48.36 | ng    | 97       |
| 6) Aniline                    | 6.393  | 93   | 289076   | 26.22 | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.516  | 128  | 350347   | 49.84 | ng    | 98       |
| 9) Benzaldehyde               | 6.281  | 77   | 79080    | 12.39 | ng    | 99       |
| 10) Phenol                    | 6.393  | 94   | 442457   | 47.89 | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 6.463  | 93   | 345934   | 48.43 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.669  | 146  | 367646   | 46.49 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 371813   | 46.83 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 349816   | 48.20 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 309013   | 53.36 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.004  | 45   | 514748   | 46.83 | ng    | # 42     |
| 17) 2-Methylphenol            | 6.998  | 107  | 282606   | 47.02 | ng    | # 90     |
| 18) Hexachloroethane          | 7.234  | 117  | 139136   | 48.52 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.151  | 70   | 252808   | 49.59 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.157  | 107  | 363828   | 50.20 | ng    | # 64     |
| 22) Acetophenone              | 7.145  | 105  | 480061   | 45.43 | ng    | # 91     |
| 24) Nitrobenzene              | 7.316  | 77   | 390677   | 45.64 | ng    | 99       |
| 25) Isophorone                | 7.557  | 82   | 703192   | 46.44 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.634  | 139  | 185148   | 46.97 | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 302207   | 44.97 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.763  | 93   | 437091   | 46.13 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.881  | 162  | 295039   | 46.89 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 7.951  | 180  | 300303   | 44.88 | ng    | 99       |
| 31) Naphthalene               | 8.034  | 128  | 977665   | 44.43 | ng    | 100      |
| 32) Benzoic acid              | 7.845  | 122  | 186397   | 48.44 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.092  | 127  | 135223   | 14.43 | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.145  | 225  | 184319   | 46.45 | ng    | 99       |
| 35) Caprolactam               | 8.475  | 113  | 100356m  | 50.22 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.587  | 107  | 325597   | 48.17 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 645721   | 45.31 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 600104   | 45.48 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 314101   | 44.16 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.869  | 237  | 149802   | 70.42 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.010  | 196  | 202771   | 46.20 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
 Data File : BF122053.D  
 Acq On : 21 Oct 2020 14:10  
 Operator : JU/CG  
 Sample : L4309-04MS  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OWLS-HEAD-BH-04-BMS

Manual Integrations  
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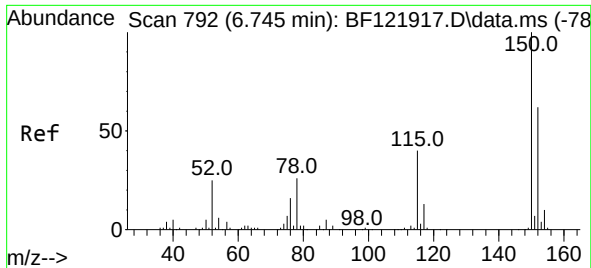
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Quant Time: Oct 21 14:36:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 21 12:04:42 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.057  | 196  | 213732   | 45.09 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.187  | 154  | 788941   | 44.03 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.210  | 162  | 616329   | 44.23 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.316  | 65   | 219166   | 47.68 | ng    | 95       |
| 49) Acenaphthylene            | 9.628  | 152  | 936485   | 43.75 | ng    | 100      |
| 50) Dimethylphthalate         | 9.492  | 163  | 859678   | 53.35 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.563  | 165  | 167636   | 47.42 | ng    | 89       |
| 52) Acenaphthene              | 9.798  | 154  | 570978   | 44.85 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.734  | 138  | 100417   | 24.98 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.851  | 184  | 156795   | 86.17 | ng    | # 87     |
| 55) Dibenzofuran              | 9.969  | 168  | 818906   | 43.98 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.916  | 139  | 189613   | 86.70 | ng    | # 73     |
| 57) 2,4-Dinitrotoluene        | 9.975  | 165  | 210106   | 48.28 | ng    | 92       |
| 58) Fluorene                  | 10.310 | 166  | 681458   | 45.43 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232  | 180358   | 49.18 | ng    | 99       |
| 60) Diethylphthalate          | 10.186 | 149  | 753988   | 48.52 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.298 | 204  | 336772   | 46.81 | ng    | 94       |
| 62) 4-Nitroaniline            | 10.351 | 138  | 167263   | 41.64 | ng    | 93       |
| 63) Azobenzene                | 10.463 | 77   | 775883   | 47.21 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.386 | 198  | 125222   | 44.08 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.422 | 169  | 643156   | 43.64 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 224527   | 45.43 | ng    | 94       |
| 68) Hexachlorobenzene         | 10.857 | 284  | 251447   | 44.95 | ng    | 99       |
| 69) Atrazine                  | 10.951 | 200  | 168947   | 46.89 | ng    | 100      |
| 70) Pentachlorophenol         | 11.063 | 266  | 196186   | 88.28 | ng    | 98       |
| 71) Phenanthrene              | 11.275 | 178  | 1046781  | 44.63 | ng    | 100      |
| 72) Anthracene                | 11.328 | 178  | 1065439  | 43.79 | ng    | 99       |
| 73) Carbazole                 | 11.486 | 167  | 975375   | 45.09 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.804 | 149  | 1206645  | 48.49 | ng    | 99       |
| 75) Fluoranthene              | 12.457 | 202  | 1177495  | 46.82 | ng    | 99       |
| 77) Benzidine                 | 12.580 | 184  | 283289   | 26.34 | ng    | 100      |
| 78) Pyrene                    | 12.686 | 202  | 1190900  | 44.80 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.298 | 149  | 532306   | 50.50 | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1056393  | 46.22 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 246152   | 29.03 | ng    | 99       |
| 83) Chrysene                  | 13.916 | 228  | 1029217  | 45.87 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.857 | 149  | 755388   | 52.78 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.469 | 149  | 1258457  | 54.36 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.727 | 276  | 915579   | 46.79 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.910 | 252  | 1004356  | 49.30 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.939 | 252  | 888750   | 45.93 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.257 | 252  | 820356   | 46.62 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.727 | 278  | 755195   | 46.87 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.139 | 276  | 765821   | 47.49 | ng    | 99       |

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





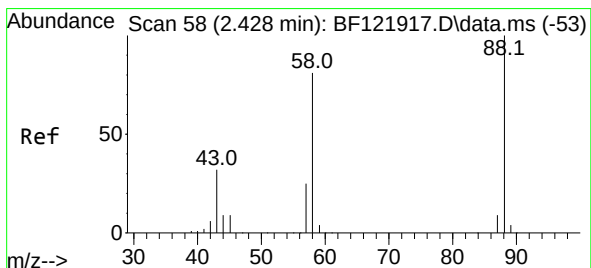
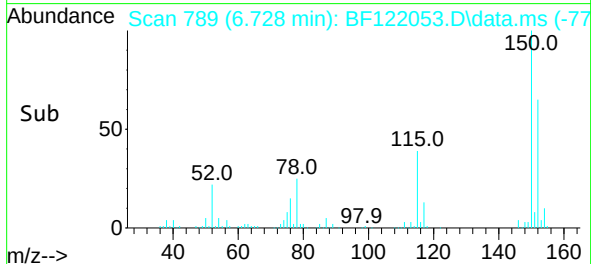
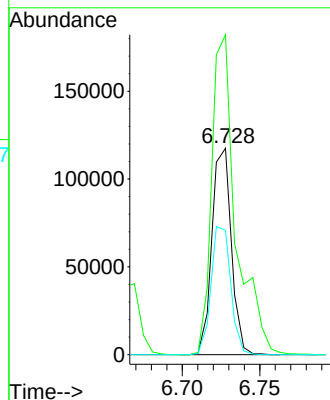
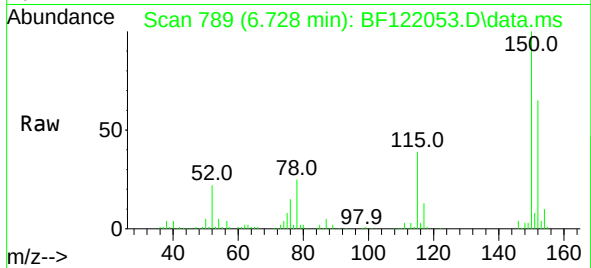
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1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.728 min Scan# 789  
Delta R.T. -0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:152 Resp: 102650  
Ion Ratio Lower Upper  
152 100  
150 155.0 125.3 187.9  
115 60.2 51.9 77.9

Instrument :  
BNA\_F  
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OWLS-HEAD-BH-04-BMS

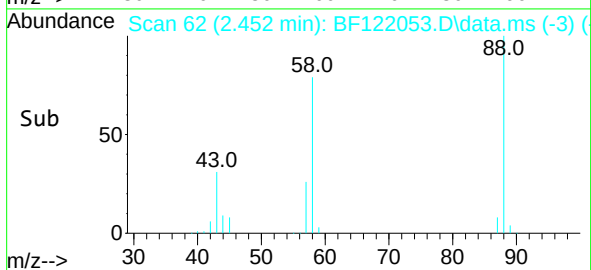
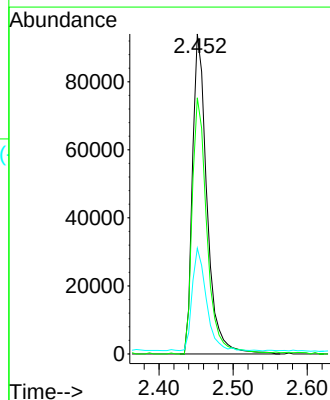
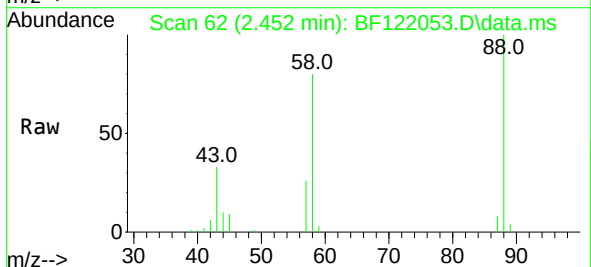
Manual Integrations  
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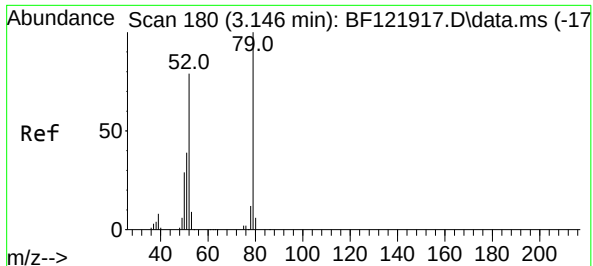
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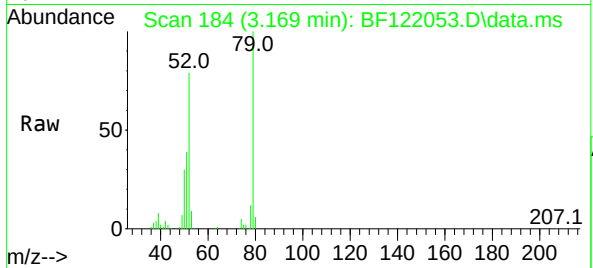
#2  
1,4-Dioxane  
Concen: 41.73 ng  
RT: 2.452 min Scan# 62  
Delta R.T. 0.047 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 88 Resp: 127644  
Ion Ratio Lower Upper  
88 100  
58 81.9 65.8 98.8  
43 31.8 25.8 38.8

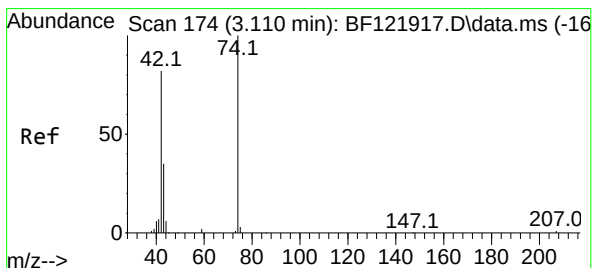
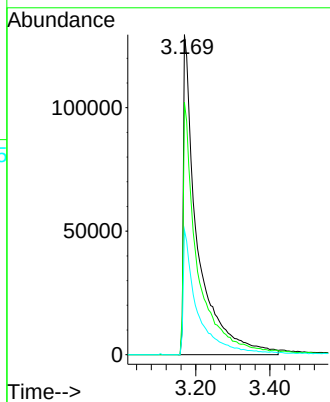
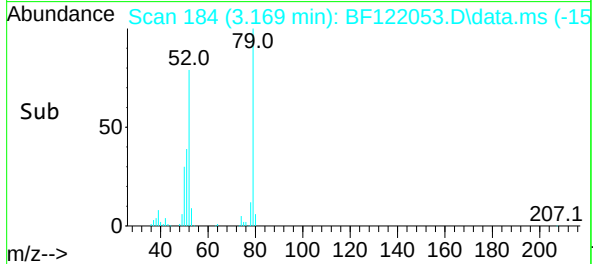




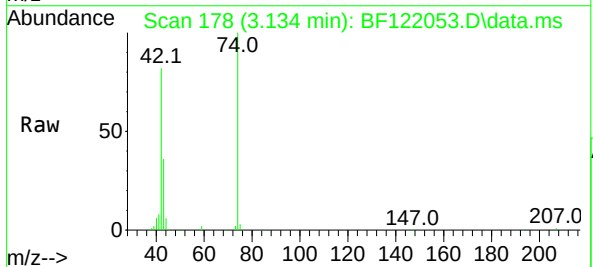
#3  
Pyridine  
Concen: 42.32 ng  
RT: 3.169 min Scan# 184  
Delta R.T. 0.047 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



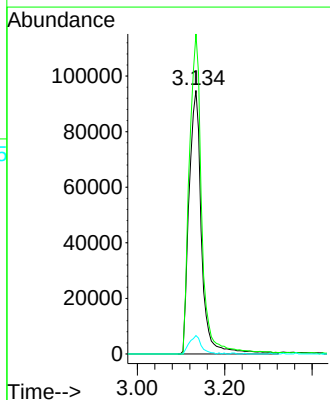
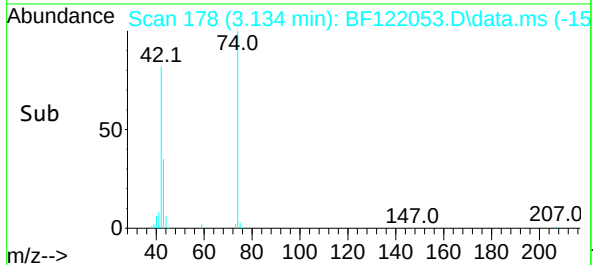
Tgt Ion: 79 Resp: 340386  
Ion Ratio Lower Upper  
79 100  
52 78.8 62.2 93.4  
51 39.0 31.1 46.7



#4  
n-Nitrosodimethylamine  
Concen: 48.36 ng  
RT: 3.134 min Scan# 178  
Delta R.T. 0.041 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



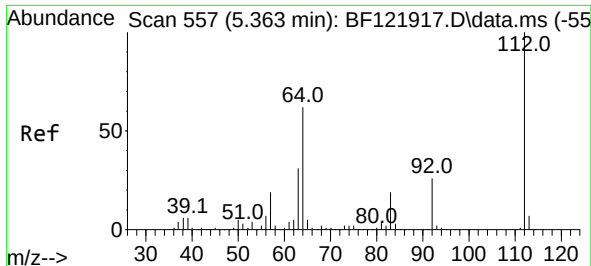
Tgt Ion: 42 Resp: 188003  
Ion Ratio Lower Upper  
42 100  
74 121.4 100.2 150.2  
44 7.0 5.8 8.6



Instrument :  
BNA\_F  
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OWLS-HEAD-BH-04-BMS

Manual Integrations  
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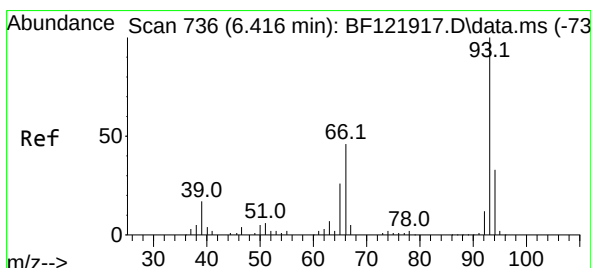
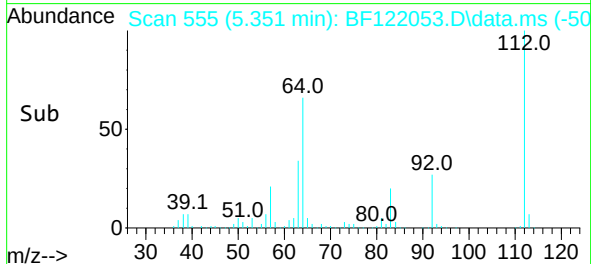
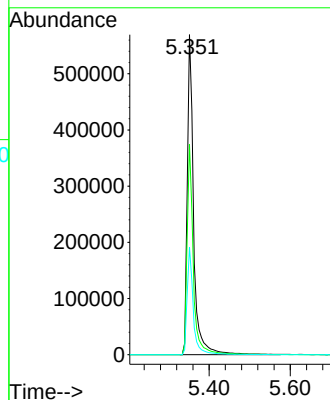
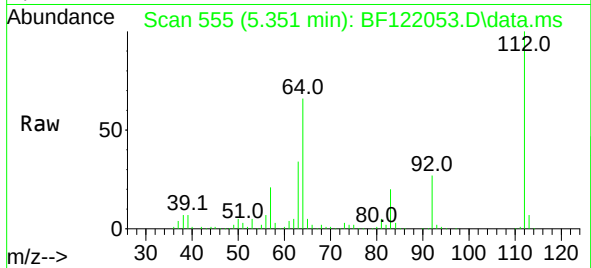
#5  
2-Fluorophenol  
Concen: 88.75 ng  
RT: 5.351 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:112 Resp: 617278  
Ion Ratio Lower Upper  
112 100  
64 65.8 50.4 75.6  
63 33.5 25.8 38.6

Instrument :  
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ClientSampleId :  
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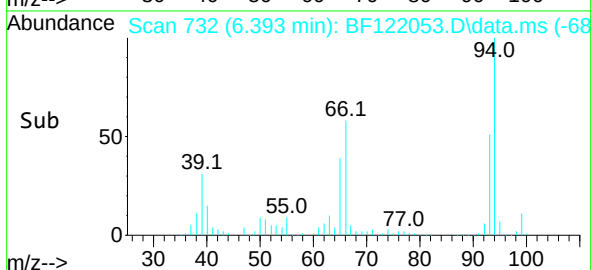
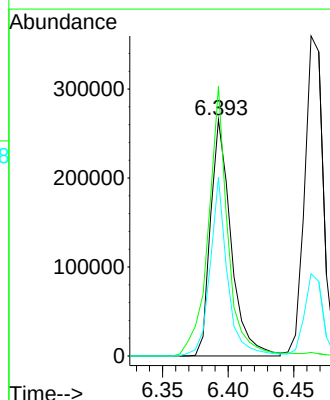
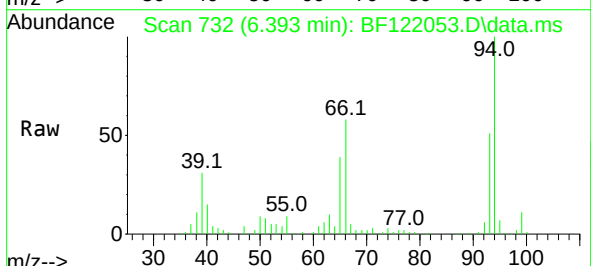
Manual Integrations  
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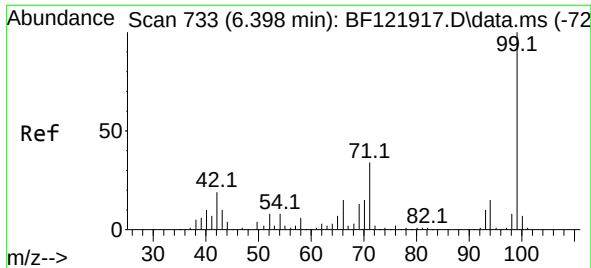
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10/22/2020 12:59:08 PM



#6  
Aniline  
Concen: 26.22 ng  
RT: 6.393 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 93 Resp: 289076  
Ion Ratio Lower Upper  
93 100  
66 114.1 32.7 49.1#  
65 75.7 16.6 24.8#





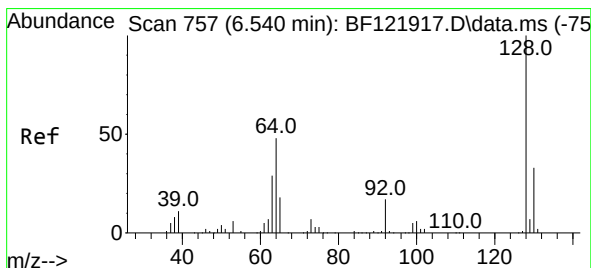
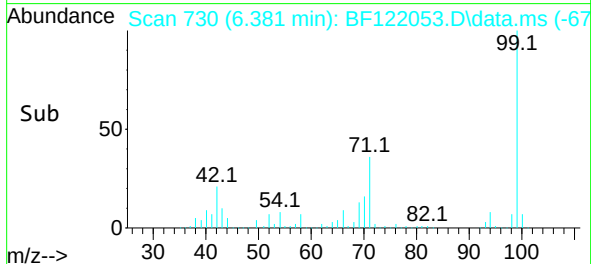
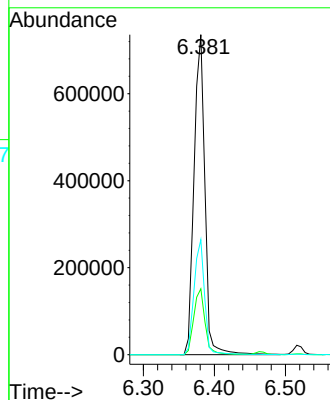
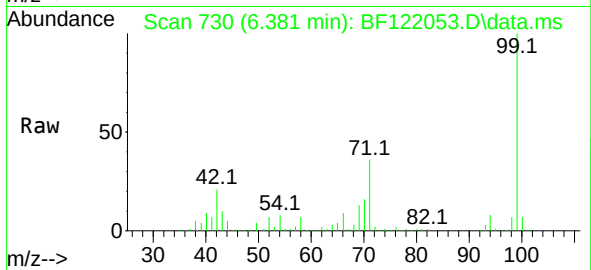
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Phenol-d6  
Concen: 87.60 ng  
RT: 6.381 min Scan# 730  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 99 Resp: 784260  
Ion Ratio Lower Upper  
99 100  
42 20.6 15.9 23.9  
71 36.0 27.1 40.7

Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

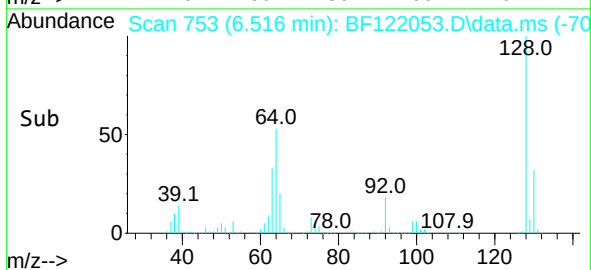
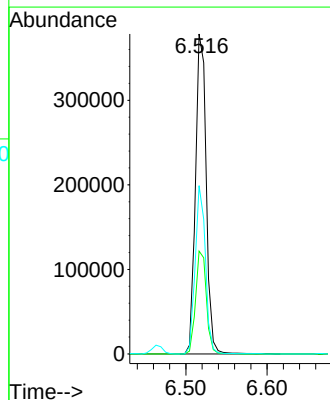
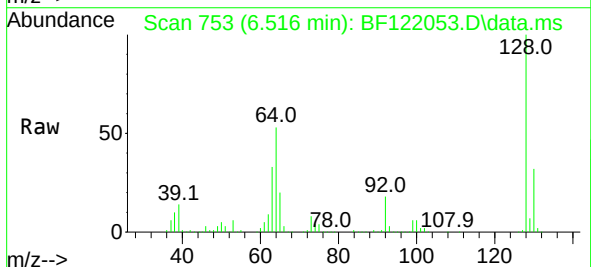
Manual Integrations  
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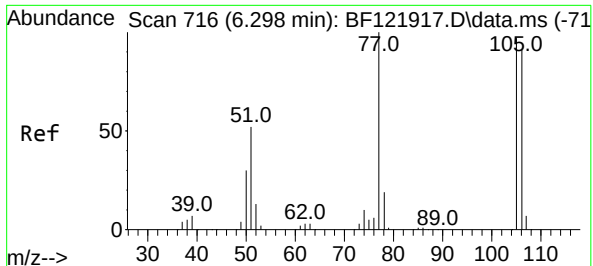
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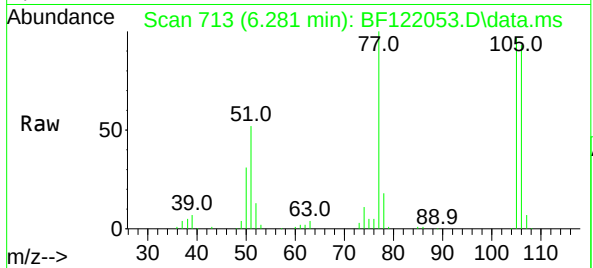
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2-Chlorophenol  
Concen: 49.84 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 128 Resp: 350347  
Ion Ratio Lower Upper  
128 100  
130 32.2 12.4 52.4  
64 52.6 34.8 74.8

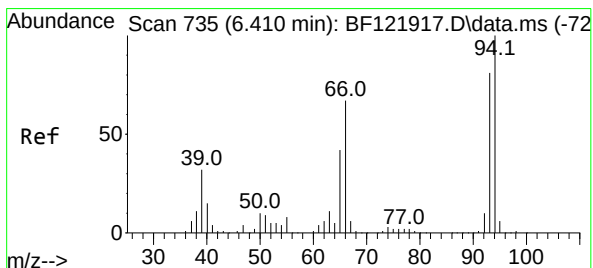
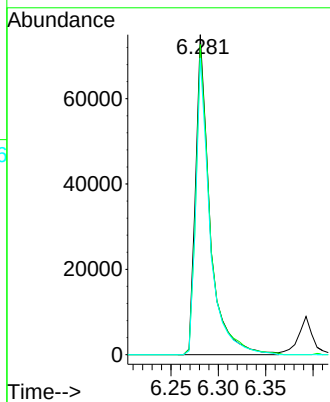
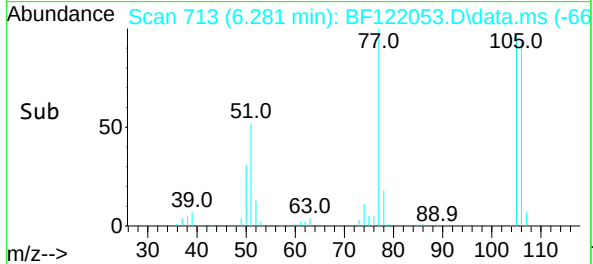




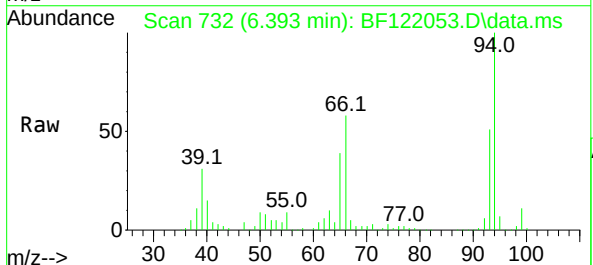
#9  
Benzaldehyde  
Concen: 12.39 ng  
RT: 6.281 min Scan# 713  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



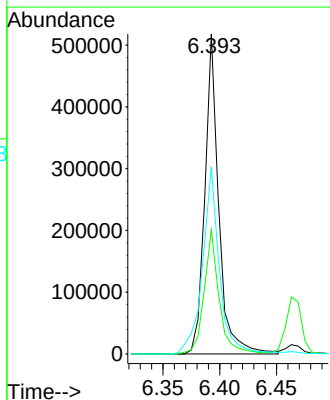
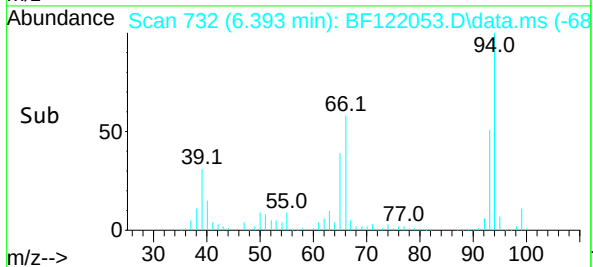
Tgt Ion: 77 Resp: 79080  
Ion Ratio Lower Upper  
77 100  
105 96.9 76.7 116.7  
106 92.7 71.3 111.3



#10  
Phenol  
Concen: 47.89 ng  
RT: 6.393 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion: 94 Resp: 442457  
Ion Ratio Lower Upper  
94 100  
65 38.8 17.1 57.1  
66 58.5 36.0 76.0

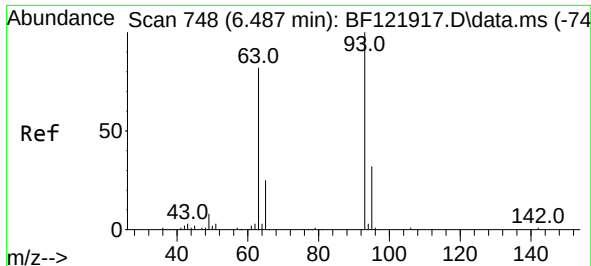


Instrument :  
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#11

bis(2-Chloroethyl)ether

Concen: 48.43 ng

RT: 6.463 min Scan# 744

Delta R.T. -0.006 min

Lab File: BF122053.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 345934 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 82.4  | 62.4  | 102.4  |
| 95       | 32.3  | 12.6  | 52.6   |

Instrument :

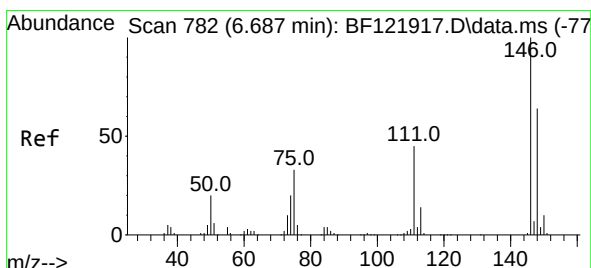
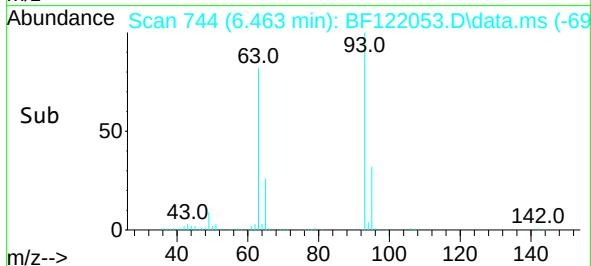
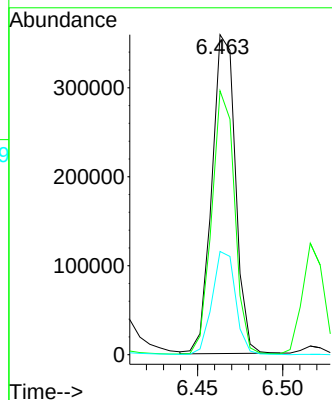
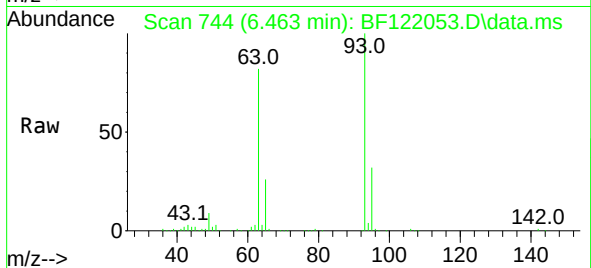
BNA\_F

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#12

1,3-Dichlorobenzene

Concen: 46.49 ng

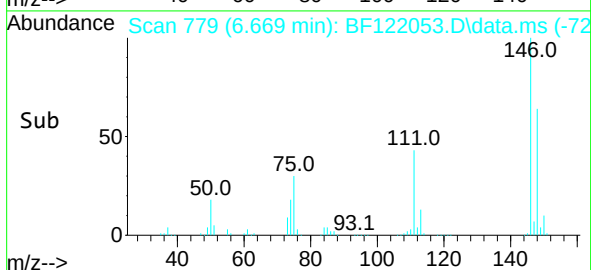
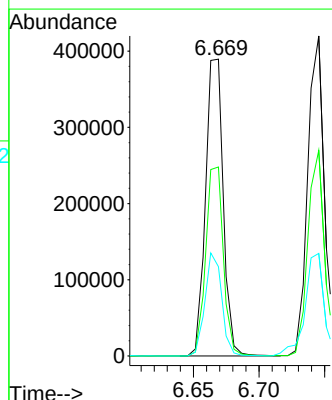
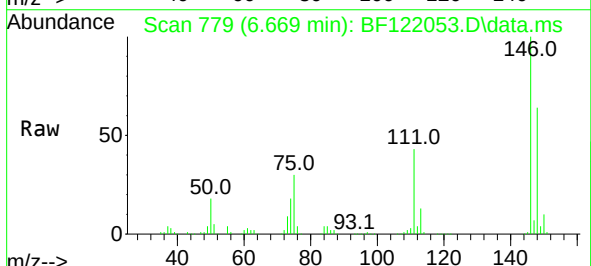
RT: 6.669 min Scan# 779

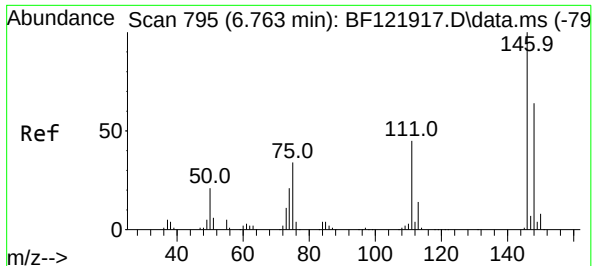
Delta R.T. 0.000 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 367646 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.7  | 51.0  | 76.4   |
| 75       | 30.1  | 27.6  | 41.4   |





#13

1,4-Dichlorobenzene

Concen: 46.83 ng

RT: 6.745 min Scan# 792

Delta R.T. 0.000 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

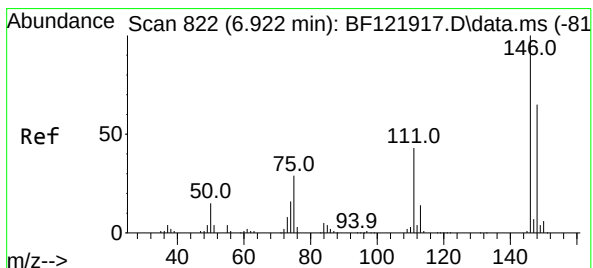
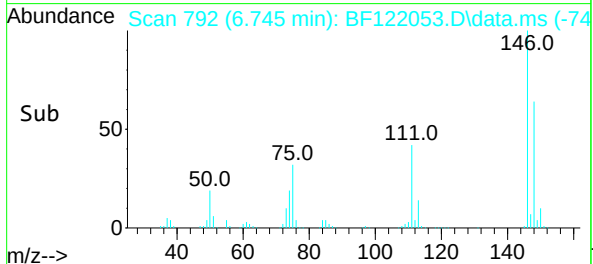
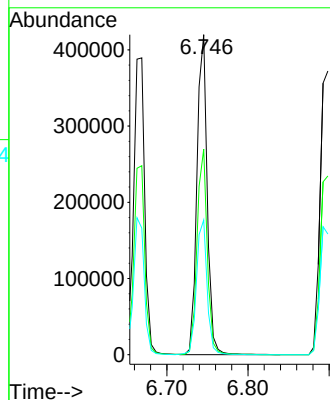
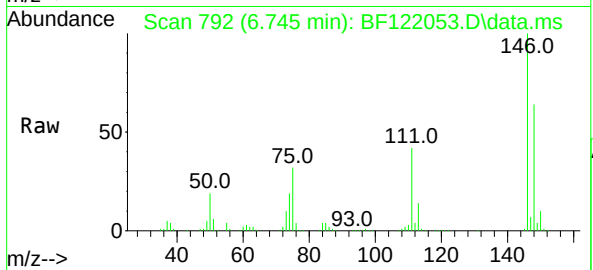
Tgt Ion:146 Resp: 371813

Ion Ratio Lower Upper

146 100

148 64.2 50.1 75.1

111 42.1 34.6 52.0



#14

1,2-Dichlorobenzene

Concen: 48.20 ng

RT: 6.898 min Scan# 818

Delta R.T. 0.000 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

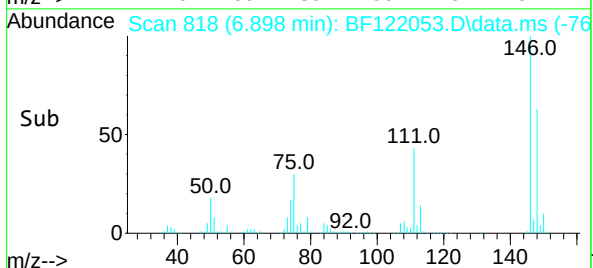
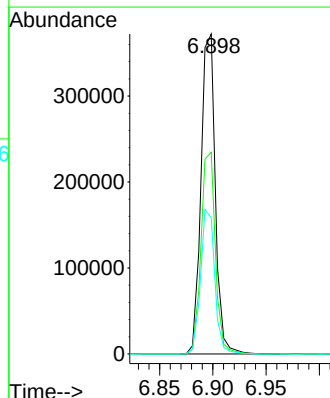
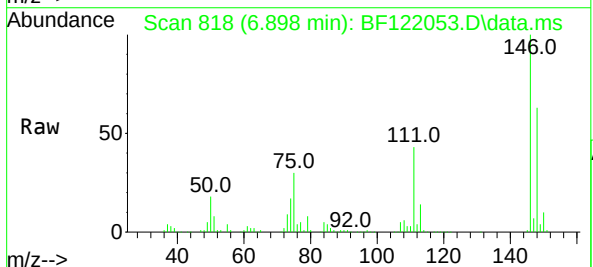
Tgt Ion:146 Resp: 349816

Ion Ratio Lower Upper

146 100

148 63.0 51.1 76.7

111 42.5 34.2 51.4



Instrument :

BNA\_F

ClientSampleId :

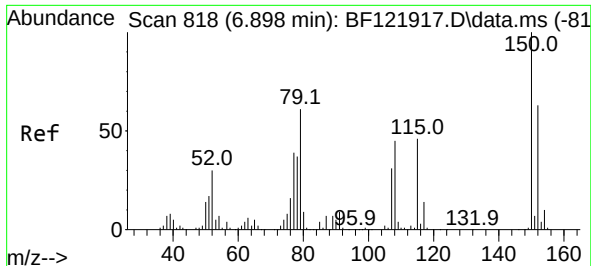
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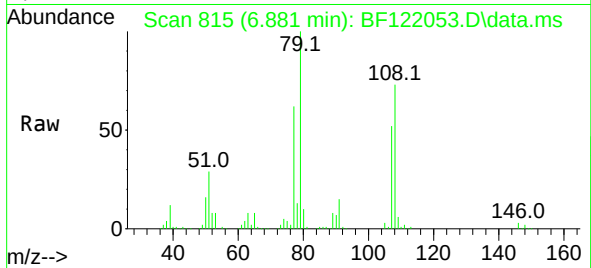
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#15  
Benzyl Alcohol  
Concen: 53.36 ng  
RT: 6.881 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

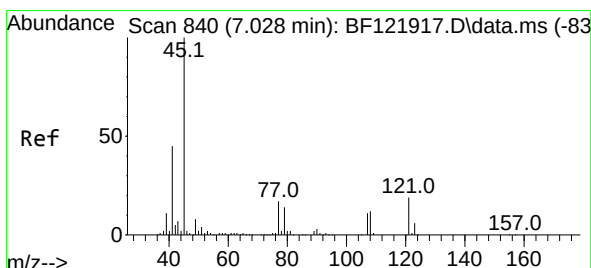
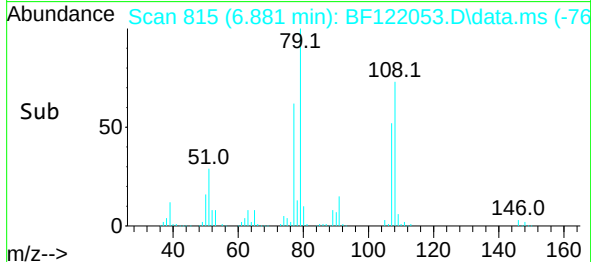
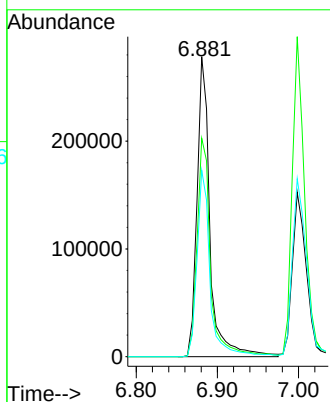
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 79 Resp: 309013  
Ion Ratio Lower Upper  
79 100  
108 72.8 62.3 93.5  
77 62.1 50.6 75.8

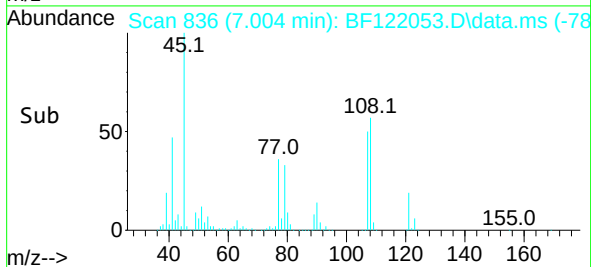
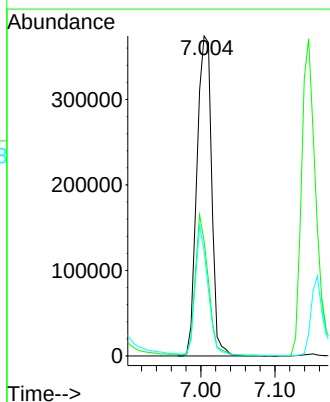
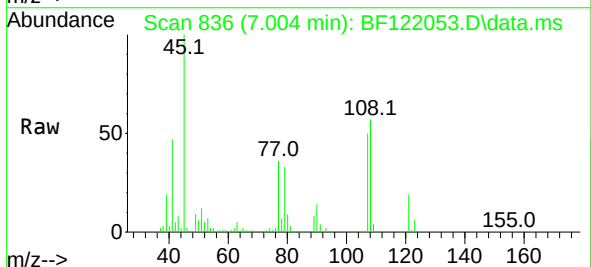
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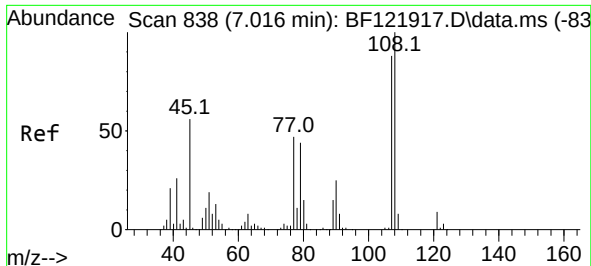
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.83 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 45 Resp: 514748  
Ion Ratio Lower Upper  
45 100  
77 35.8 0.0 33.3#  
79 32.8 0.0 30.4#





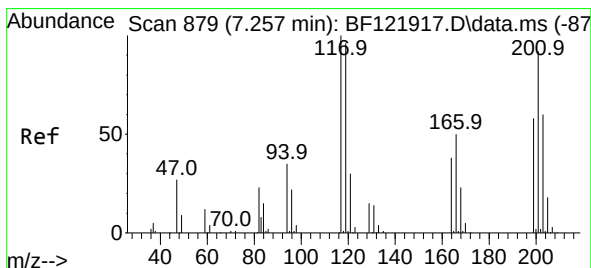
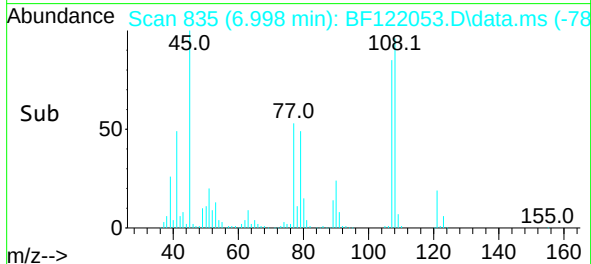
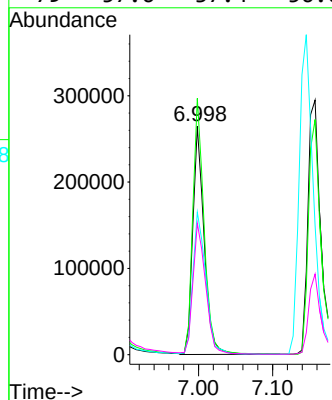
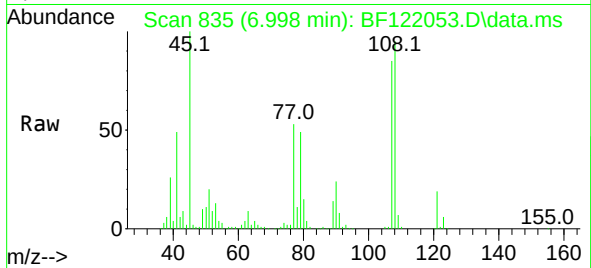
#17  
2-Methylphenol  
Concen: 47.02 ng  
RT: 6.998 min Scan# 835  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 282606 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 112.2 | 90.9  | 136.3  |
| 77        | 62.4  | 37.5  | 56.3#  |
| 79        | 57.6  | 37.4  | 56.0#  |

Instrument :  
BNA\_F  
ClientSampleId :  
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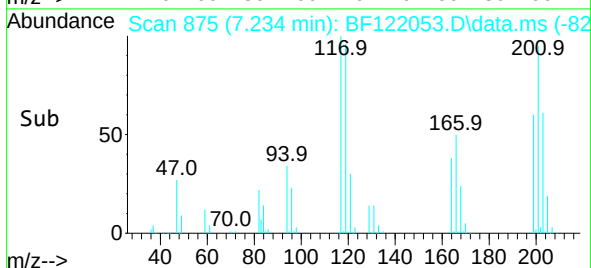
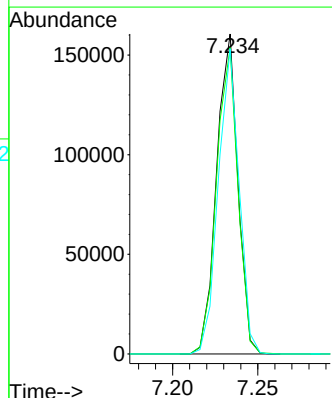
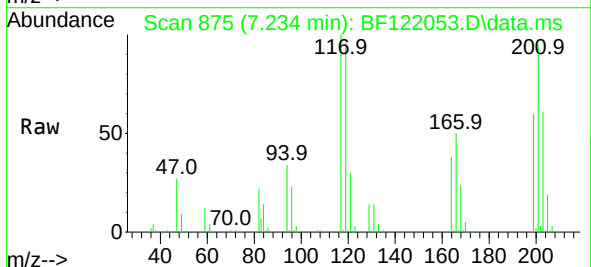
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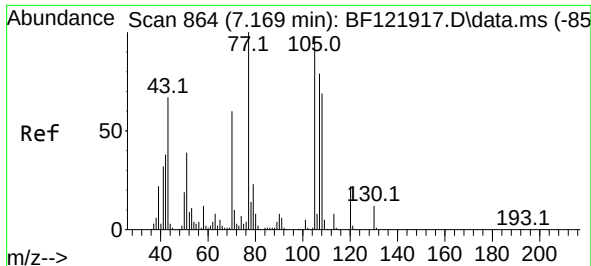
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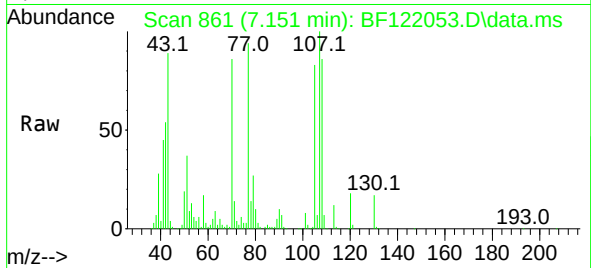
#18  
Hexachloroethane  
Concen: 48.52 ng  
RT: 7.234 min Scan# 875  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 139136 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.7  | 76.3  | 114.5  |
| 201       | 95.4  | 71.8  | 107.6  |

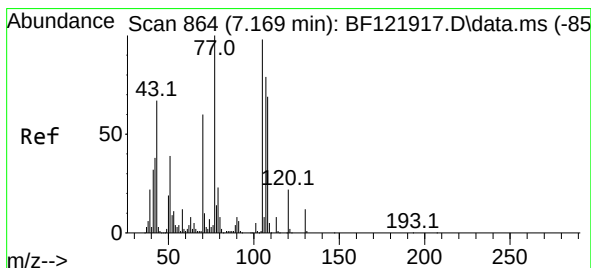
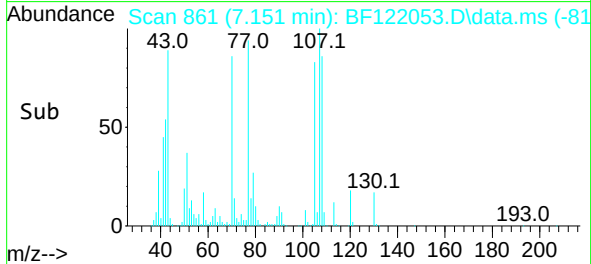
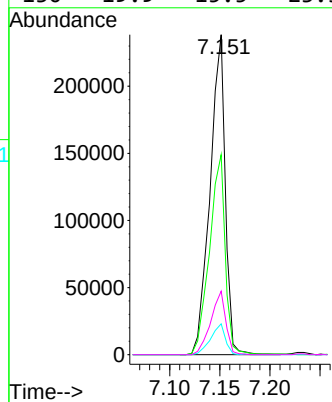




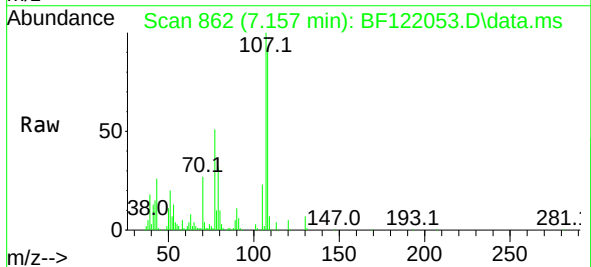
#19  
n-Nitroso-di-n-propylamine  
Concen: 49.59 ng  
RT: 7.151 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



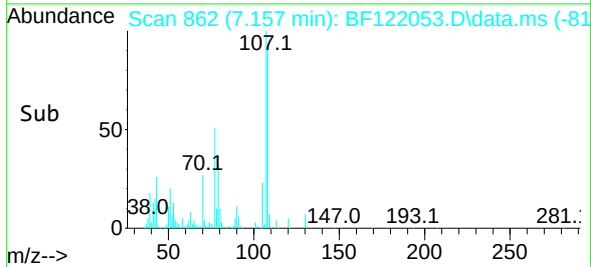
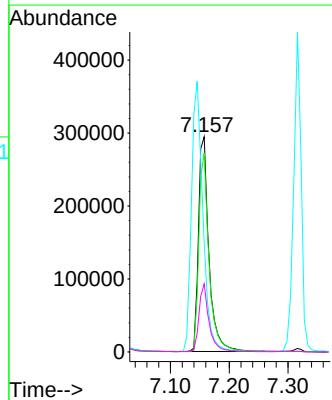
Tgt Ion: 70 Resp: 252808  
Ion Ratio Lower Upper  
70 100  
42 62.5 50.2 75.4  
101 9.6 7.5 11.3  
130 19.9 15.5 23.3



#20  
3+4-Methylphenols  
Concen: 50.20 ng  
RT: 7.157 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



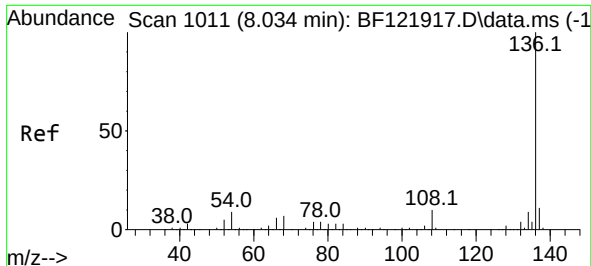
Tgt Ion: 107 Resp: 363828  
Ion Ratio Lower Upper  
107 100  
108 92.4 68.9 108.9  
77 50.8 108.0 148.0#  
79 31.7 10.5 50.5



Instrument :  
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ClientSampleId :  
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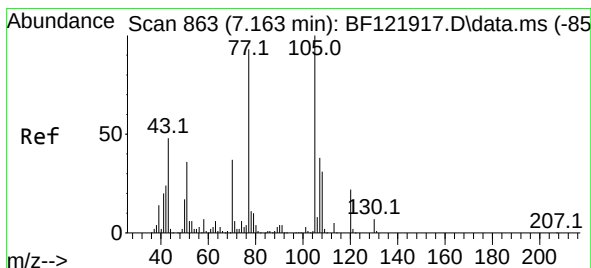
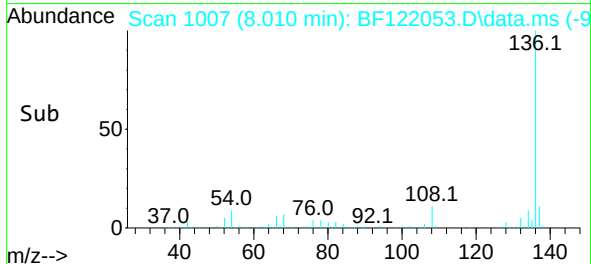
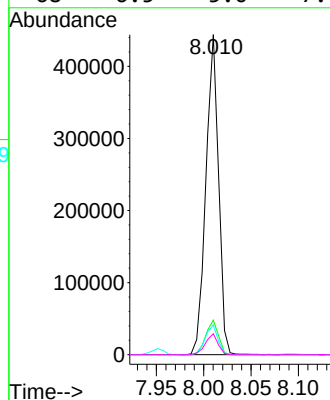
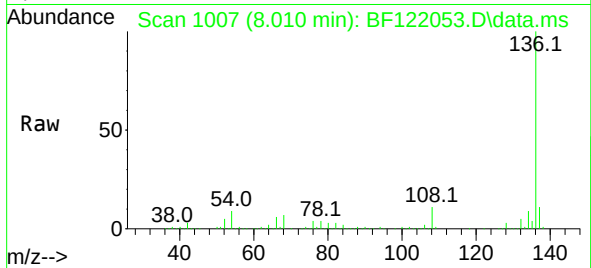
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:136 Resp: 410724  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 9.3 7.1 10.7  
68 6.5 5.0 7.4

Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

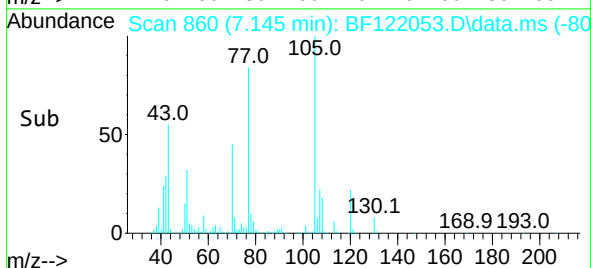
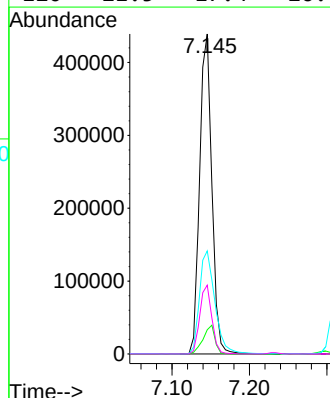
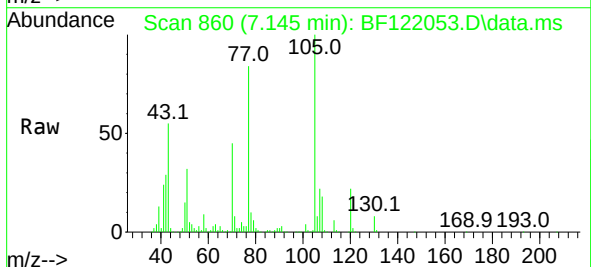
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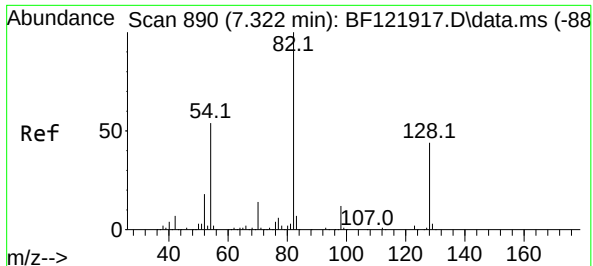
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#22  
Acetophenone  
Concen: 45.43 ng  
RT: 7.145 min Scan# 860  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:105 Resp: 480061  
Ion Ratio Lower Upper  
105 100  
71 7.6 5.3 7.9  
51 32.2 33.2 49.8#  
120 21.5 17.4 26.0





#23

Nitrobenzene-d5

Concen: 69.46 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 556271 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 42.1  | 35.0  | 52.4   |
| 54       | 55.1  | 43.9  | 65.9   |

Instrument :

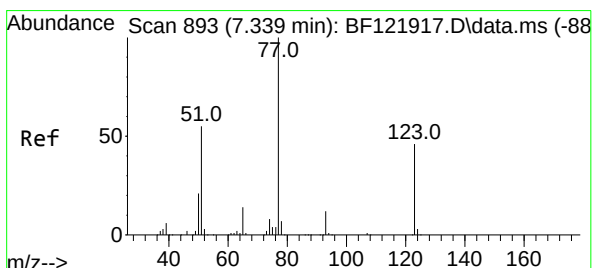
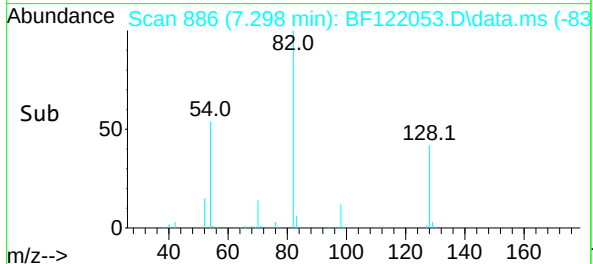
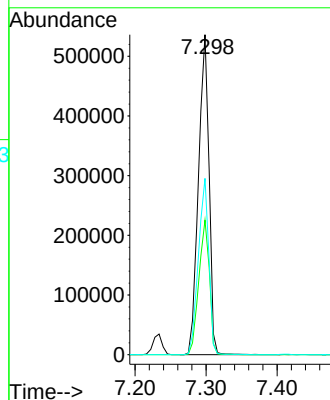
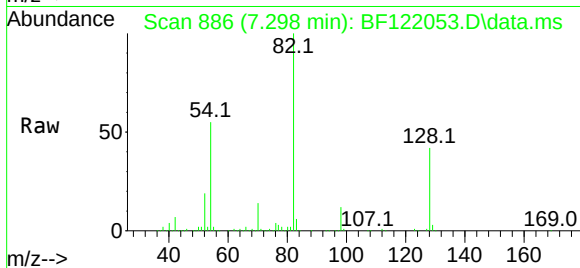
BNA\_F

ClientSampleId :

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#24

Nitrobenzene

Concen: 45.64 ng

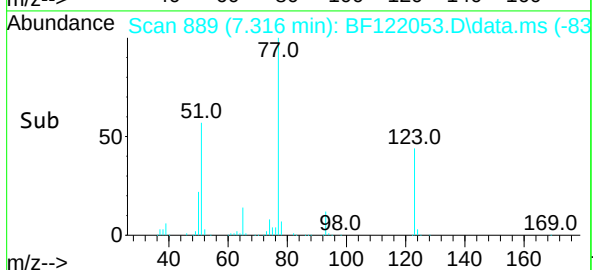
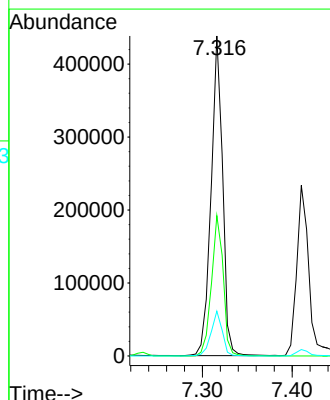
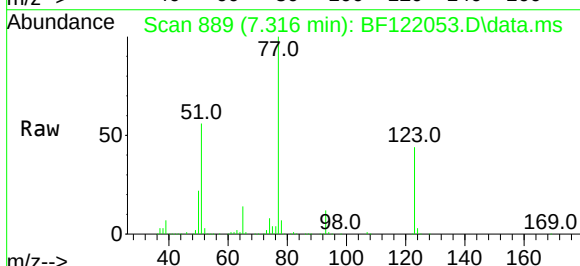
RT: 7.316 min Scan# 889

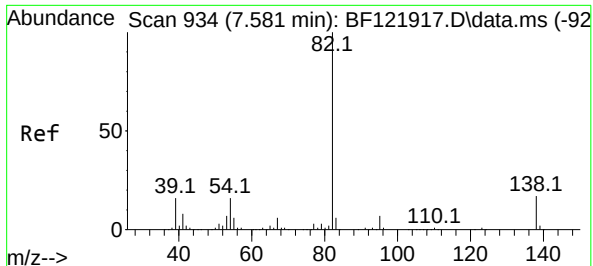
Delta R.T. -0.006 min

Lab File: BF122053.D

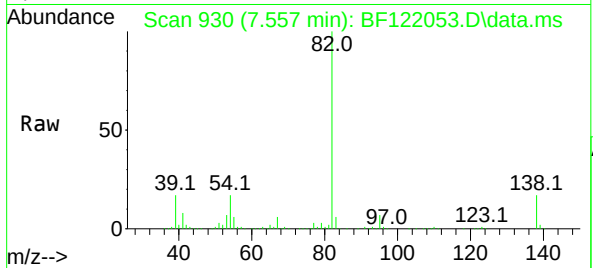
Acq: 21 Oct 2020 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 390677 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 43.8  | 35.6  | 53.4   |
| 65       | 14.0  | 11.2  | 16.8   |

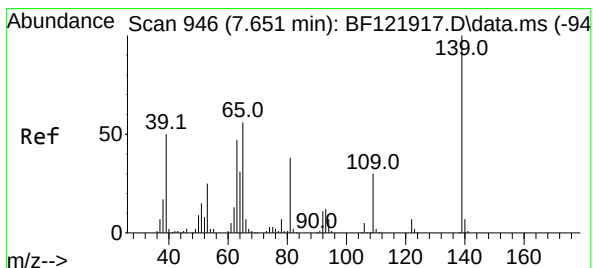
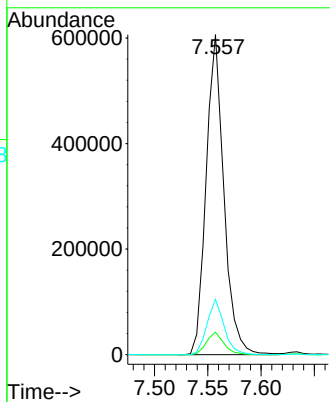
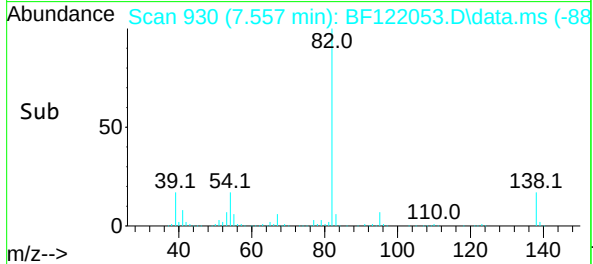




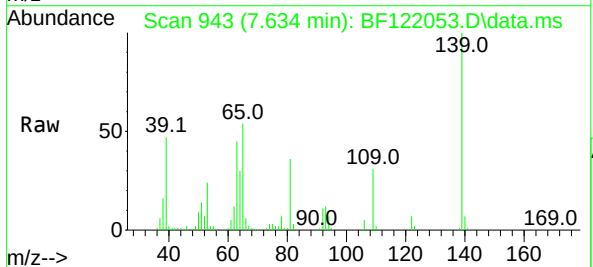
#25  
Isophorone  
Concen: 46.44 ng  
RT: 7.557 min Scan# 930  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



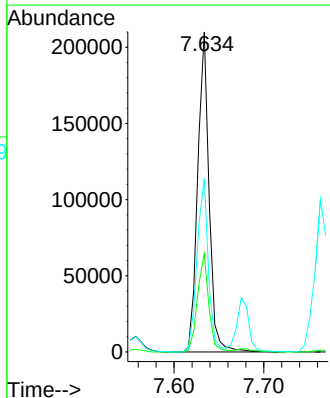
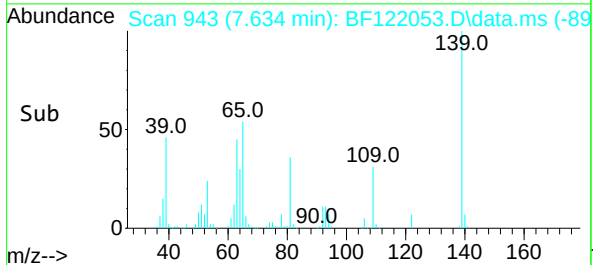
Tgt Ion: 82 Resp: 703192  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.4 8.0  
138 17.3 13.4 20.0



#26  
2-Nitrophenol  
Concen: 46.97 ng  
RT: 7.634 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion: 139 Resp: 185148  
Ion Ratio Lower Upper  
139 100  
109 30.7 23.0 34.4  
65 54.1 39.9 59.9

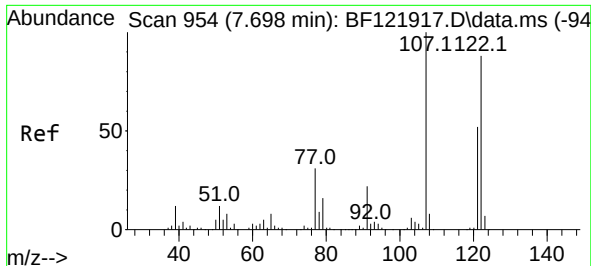


Instrument :  
BNA\_F  
ClientSampleId :  
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#27

2,4-Dimethylphenol

Concen: 44.97 ng

RT: 7.681 min Scan# 951

Delta R.T. 0.000 min

Lab File: BF122053.D

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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 302207 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 113.4 | 90.8  | 136.2  |
| 121      | 58.9  | 47.5  | 71.3   |

Instrument :

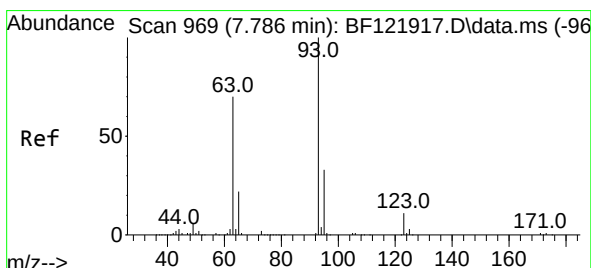
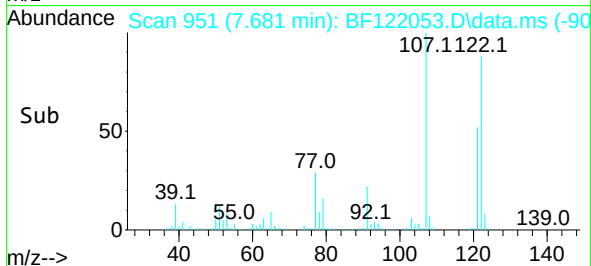
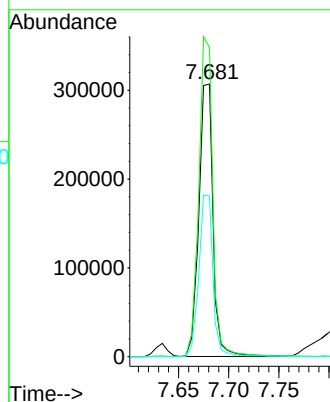
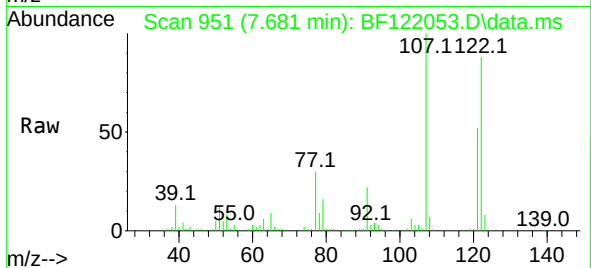
BNA\_F

ClientSampleId :

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#28

bis(2-Chloroethoxy)methane

Concen: 46.13 ng

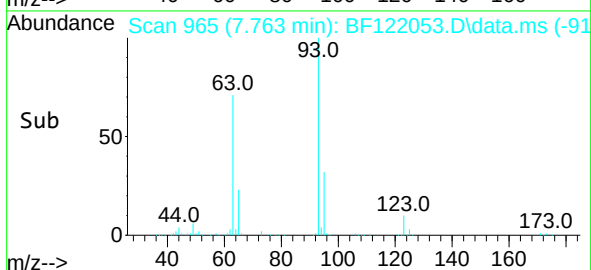
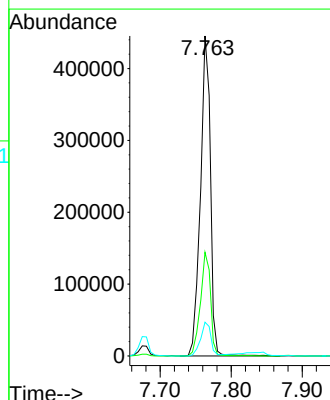
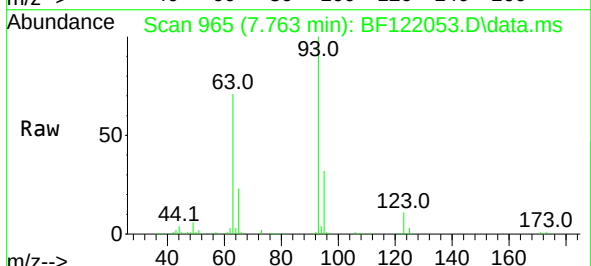
RT: 7.763 min Scan# 965

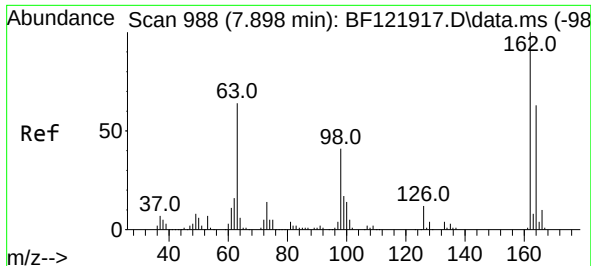
Delta R.T. -0.006 min

Lab File: BF122053.D

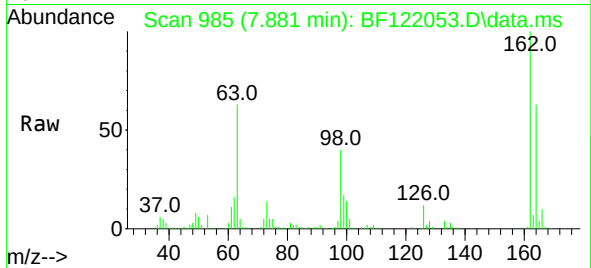
Acq: 21 Oct 2020 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 437091 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.4  | 26.2  | 39.4   |
| 123      | 10.6  | 8.8   | 13.2   |

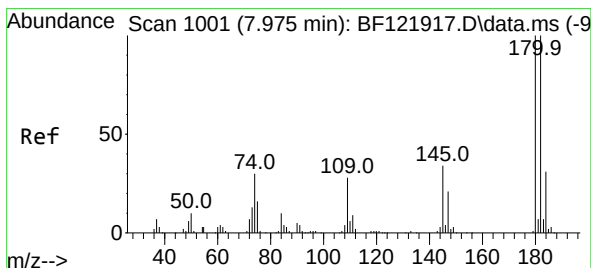
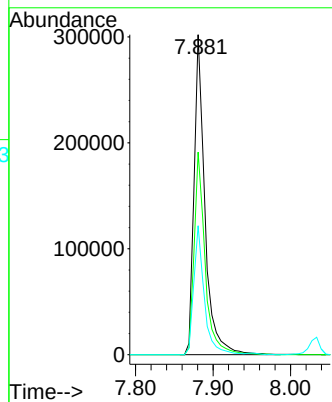
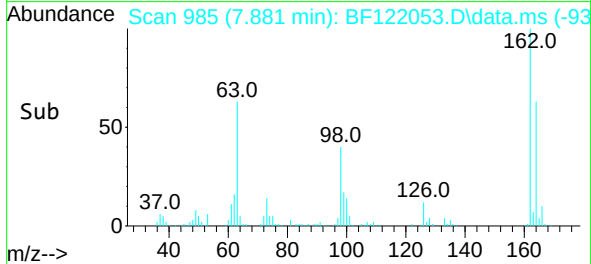




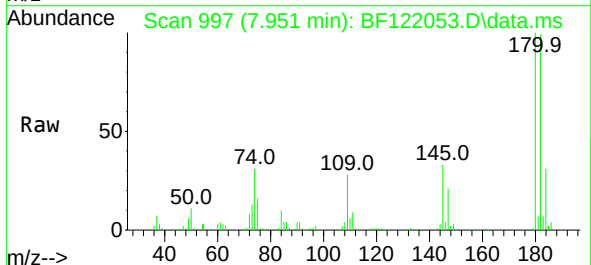
#29  
2,4-Dichlorophenol  
Concen: 46.89 ng  
RT: 7.881 min Scan# 985  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



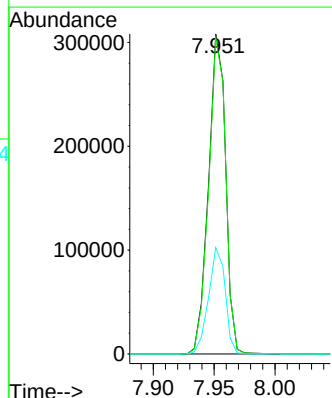
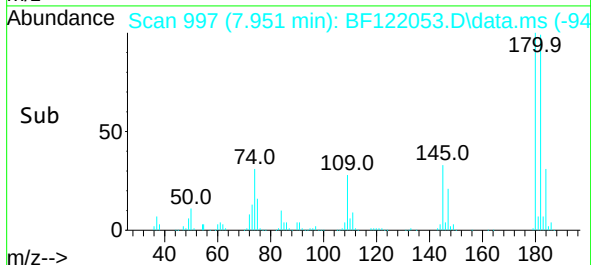
Tgt Ion:162 Resp: 295039  
Ion Ratio Lower Upper  
162 100  
164 63.3 42.5 82.5  
98 40.3 20.1 60.1



#30  
1,2,4-Trichlorobenzene  
Concen: 44.88 ng  
RT: 7.951 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



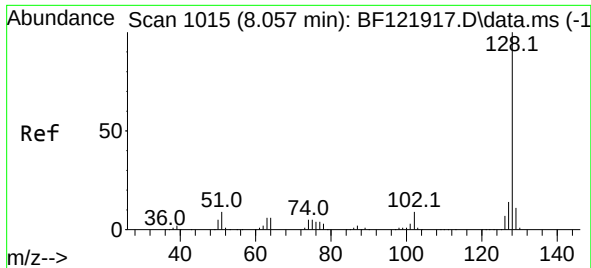
Tgt Ion:180 Resp: 300303  
Ion Ratio Lower Upper  
180 100  
182 98.8 79.4 119.2  
145 33.3 25.5 38.3



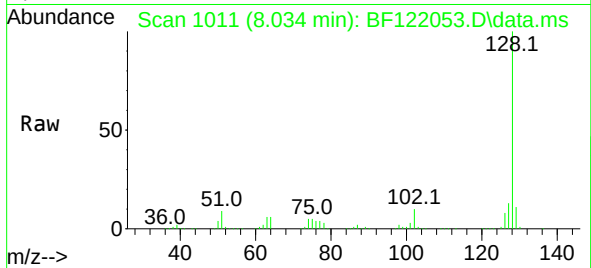
Instrument :  
BNA\_F  
ClientSampleId :  
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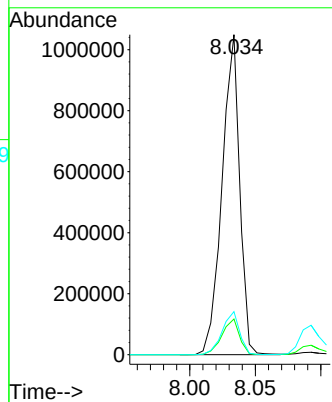
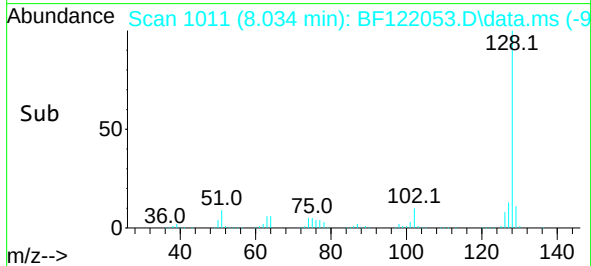
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#31  
Naphthalene  
Concen: 44.43 ng  
RT: 8.034 min Scan# 1011  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



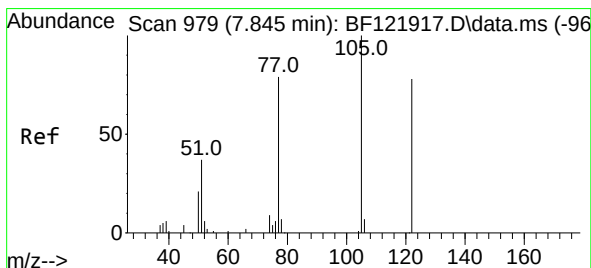
Tgt Ion:128 Resp: 977665  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.7 13.1  
127 13.5 10.8 16.2



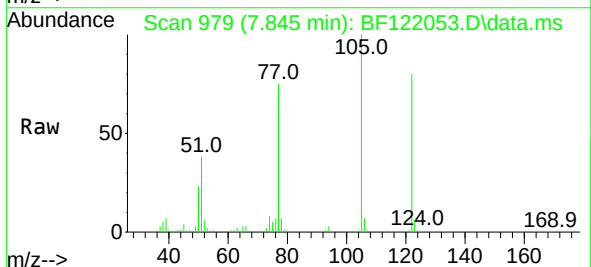
Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

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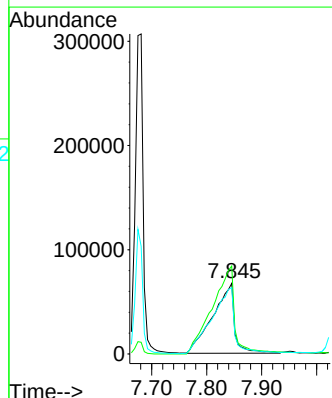
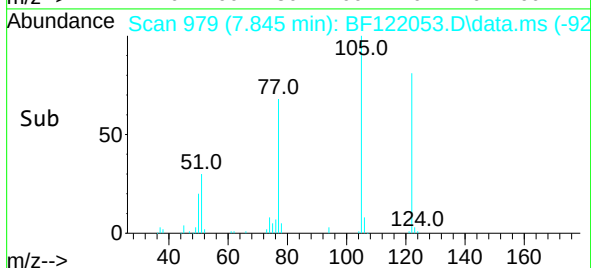
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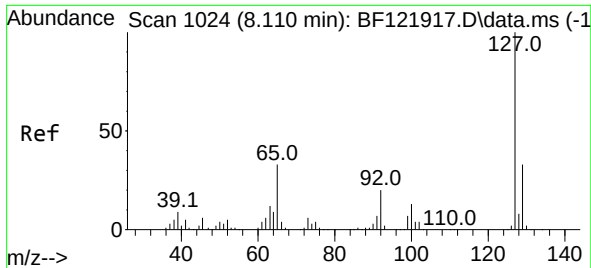


#32  
Benzoic acid  
Concen: 48.44 ng  
RT: 7.845 min Scan# 979  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion:122 Resp: 186397  
Ion Ratio Lower Upper  
122 100  
105 124.6 103.3 143.3  
77 93.9 73.9 113.9





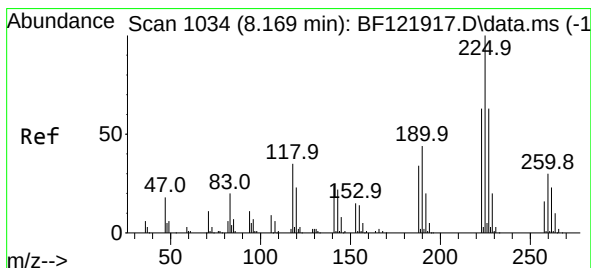
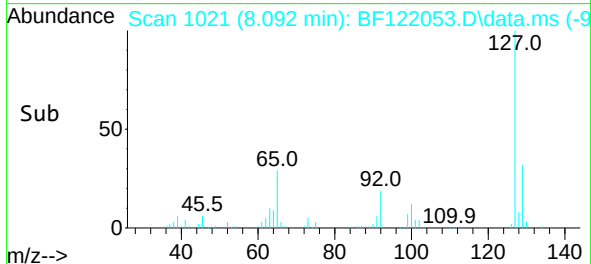
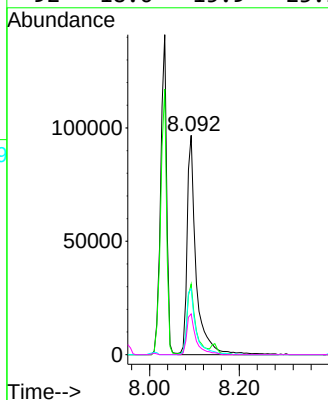
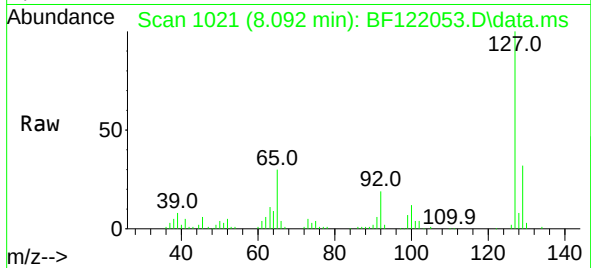
#33  
4-Chloroaniline  
Concen: 14.43 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.2  | 26.3  | 39.5  |
| 65      | 30.1  | 26.2  | 39.2  |
| 92      | 18.6  | 15.9  | 23.9  |

Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

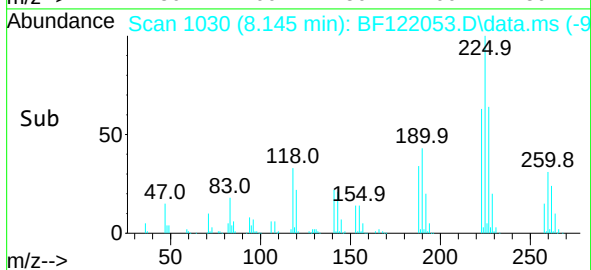
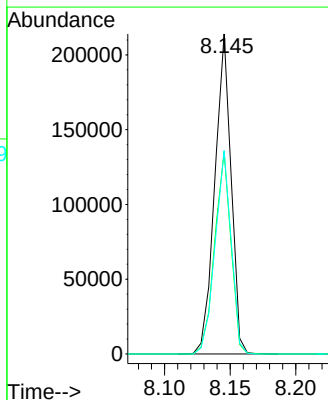
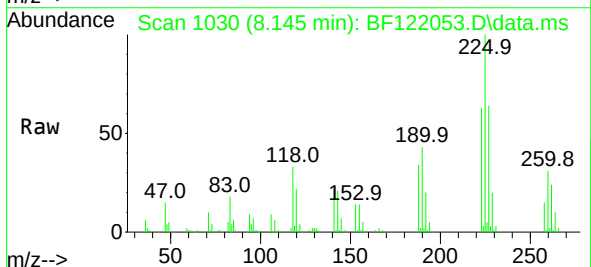
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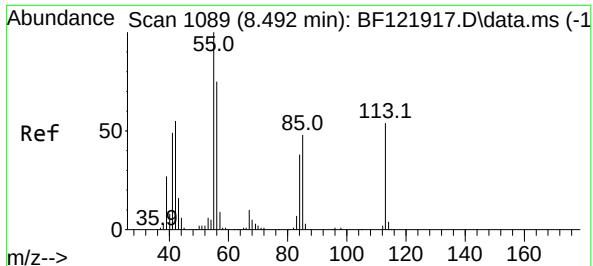
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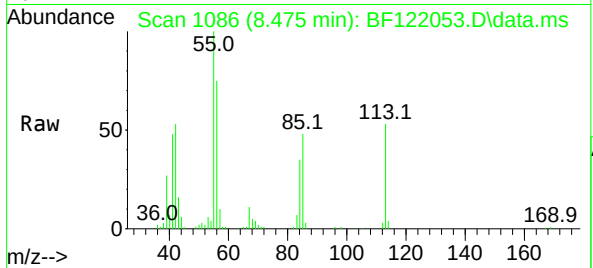
#34  
Hexachlorobutadiene  
Concen: 46.45 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.2  | 51.1  | 76.7  |
| 227     | 63.6  | 51.0  | 76.6  |

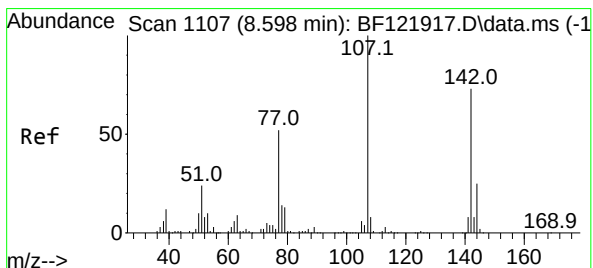
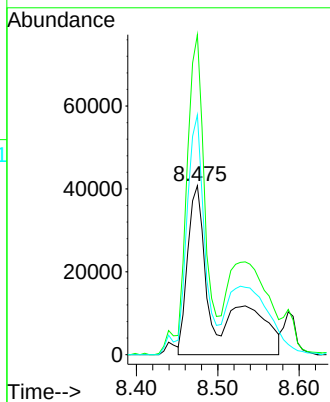
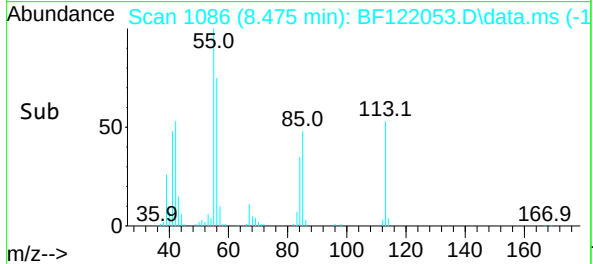




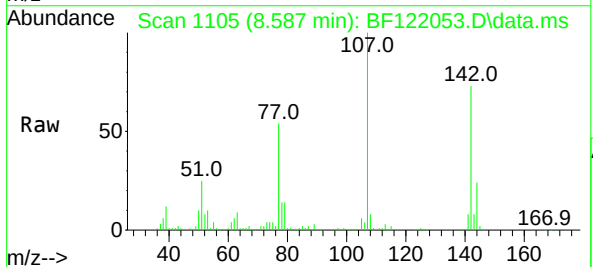
#35  
Caprolactam  
Concen: 50.22 ng m  
RT: 8.475 min Scan# 1086  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



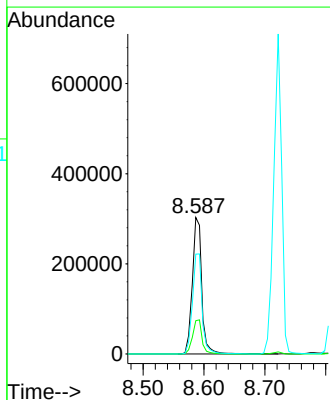
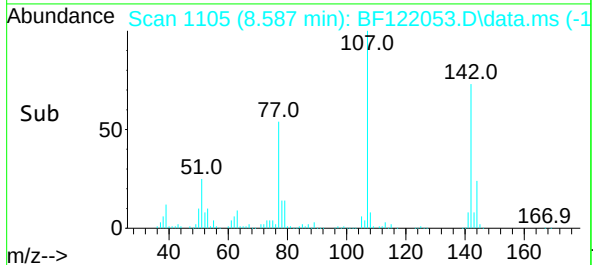
Tgt Ion:113 Resp: 100356  
Ion Ratio Lower Upper  
113 100  
55 189.4 167.5 207.5  
56 141.9 121.2 161.2



#36  
4-Chloro-3-methylphenol  
Concen: 48.17 ng  
RT: 8.587 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



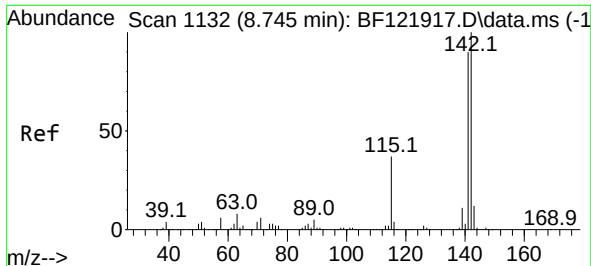
Tgt Ion:107 Resp: 325597  
Ion Ratio Lower Upper  
107 100  
144 24.4 20.1 30.1  
142 73.1 59.3 88.9



Instrument :  
BNA\_F  
ClientSampleId :  
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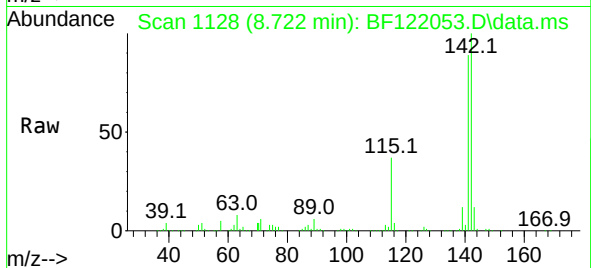
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#37  
2-Methylnaphthalene  
Concen: 45.31 ng  
RT: 8.722 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

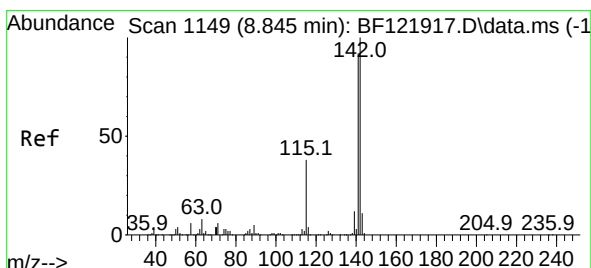
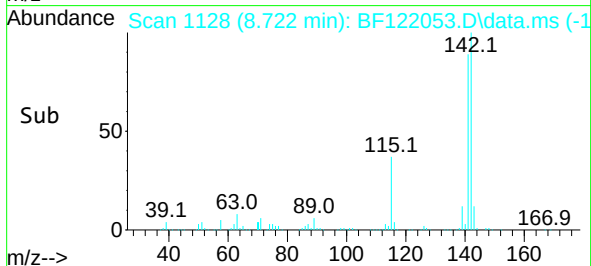
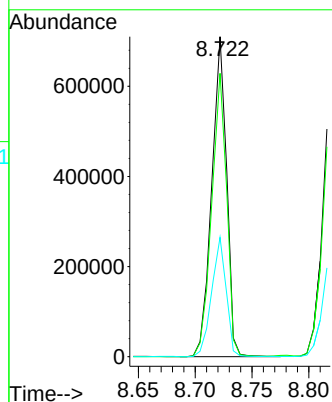
Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS



Tgt Ion:142 Resp: 645721  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.2 105.4  
115 37.3 28.6 43.0

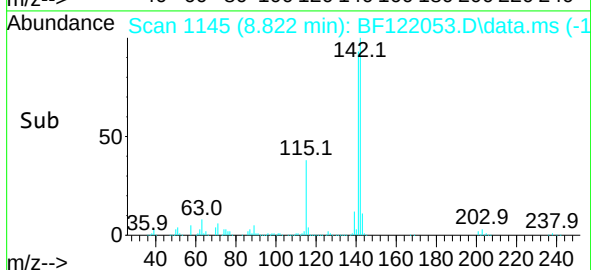
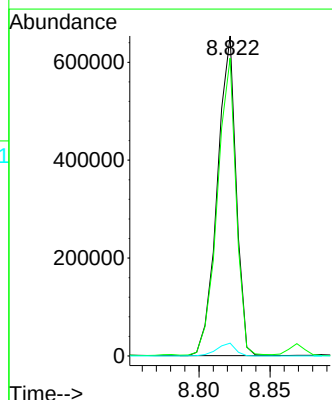
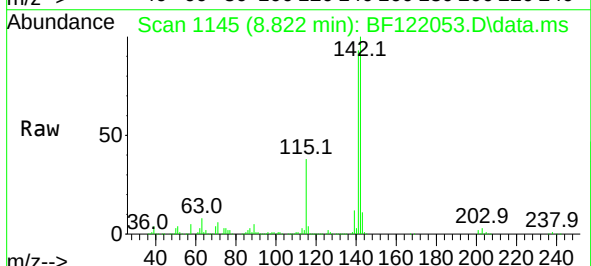
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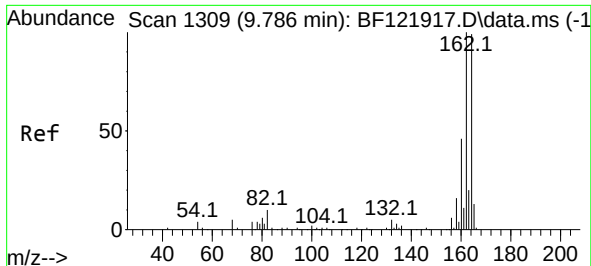
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#38  
1-Methylnaphthalene  
Concen: 45.48 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:142 Resp: 600104  
Ion Ratio Lower Upper  
142 100  
141 93.1 74.5 111.7  
116 4.0 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.763 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

Tgt Ion:164 Resp: 220388

Ion Ratio Lower Upper

164 100

162 103.7 83.2 124.8

160 46.0 37.5 56.3

Instrument :

BNA\_F

ClientSampleId :

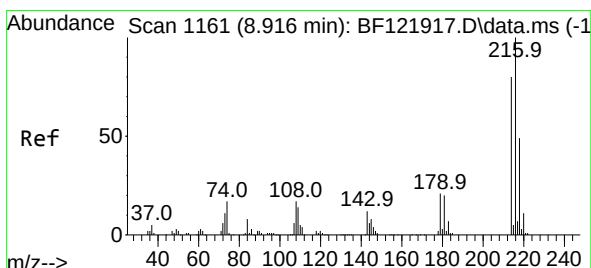
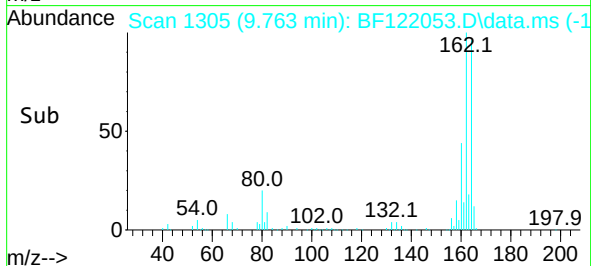
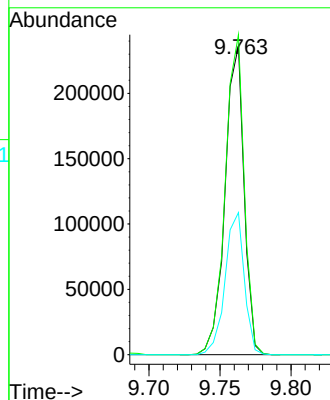
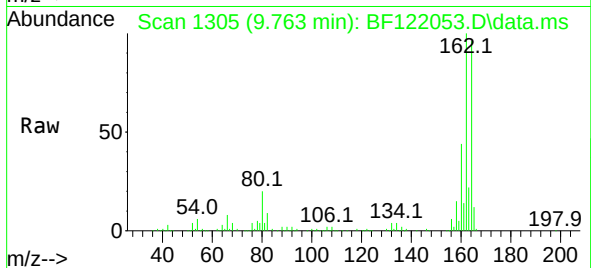
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.16 ng

RT: 8.892 min Scan# 1157

Delta R.T. 0.000 min

Lab File: BF122053.D

Acq: 21 Oct 2020 14:10

Tgt Ion:216 Resp: 314101

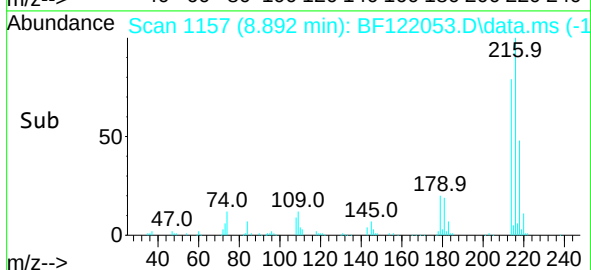
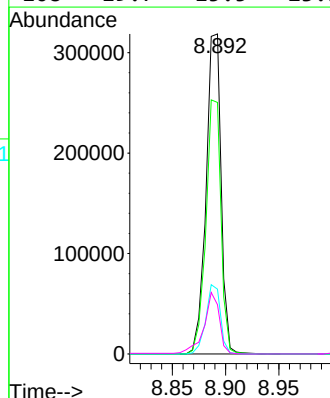
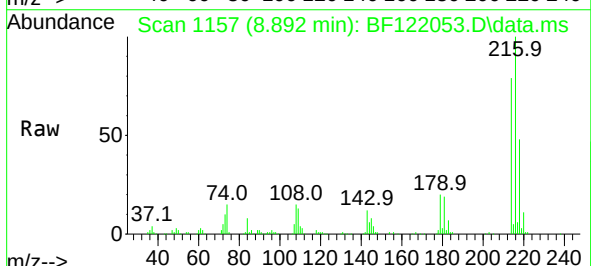
Ion Ratio Lower Upper

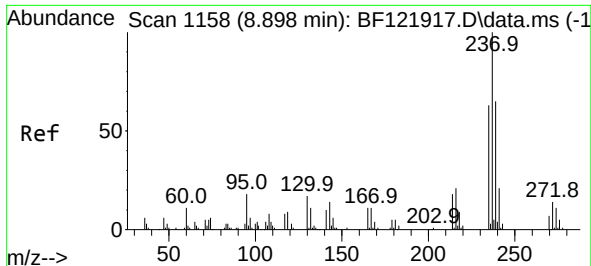
216 100

214 79.4 63.4 95.2

179 21.0 17.0 25.6

108 19.7 15.5 23.3





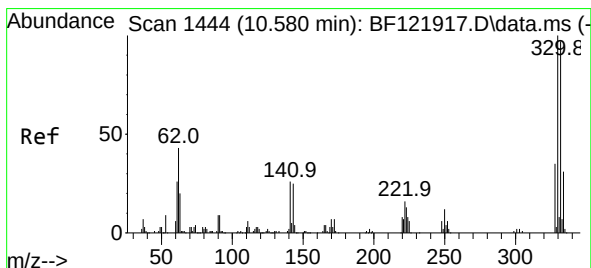
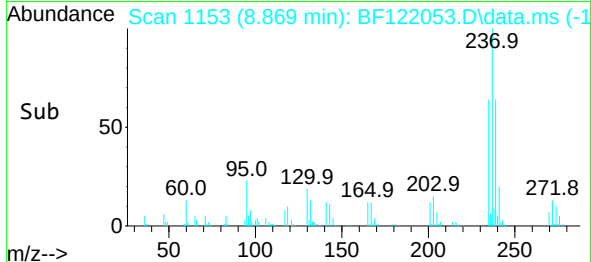
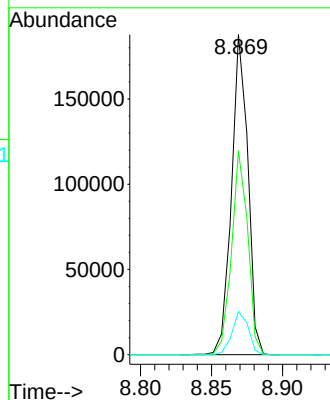
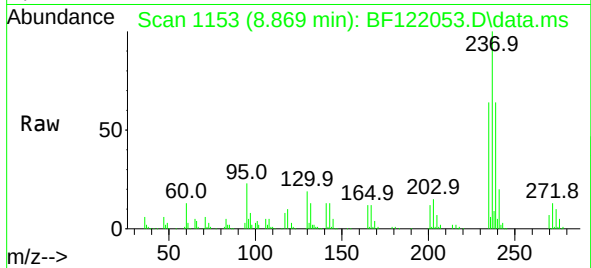
#41  
Hexachlorocyclopentadiene  
Concen: 70.42 ng  
RT: 8.869 min Scan# 1153  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
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Tgt Ion:237 Resp: 149802  
Ion Ratio Lower Upper  
237 100  
235 63.7 41.8 81.8  
272 13.5 0.0 33.5

Instrument :  
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ClientSampleId :  
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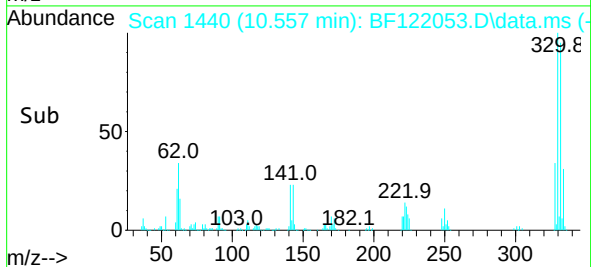
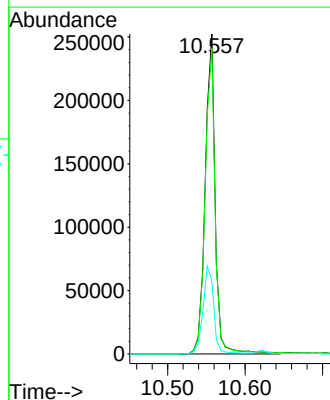
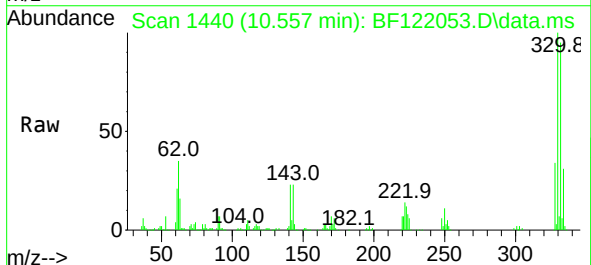
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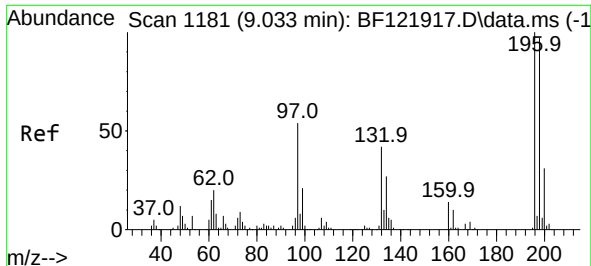


#42  
2,4,6-Tribromophenol  
Concen: 82.95 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

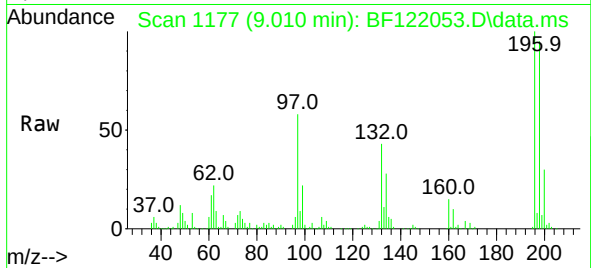
Tgt Ion:330 Resp: 226144  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.3 115.9  
141 29.5 22.3 33.5



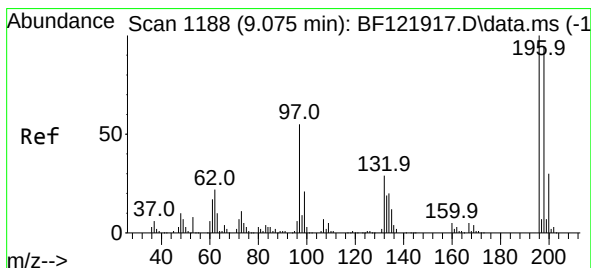
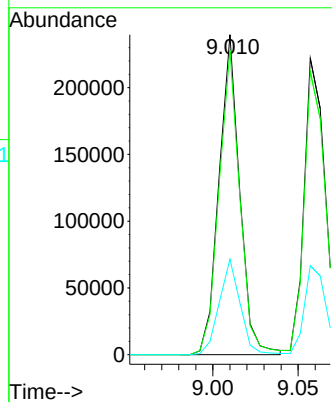
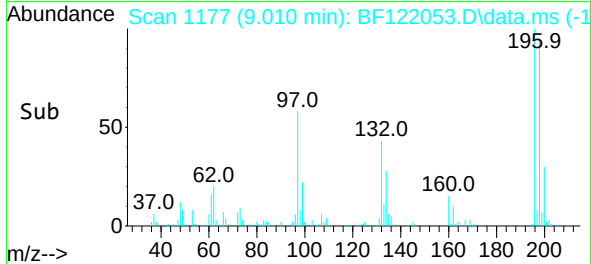




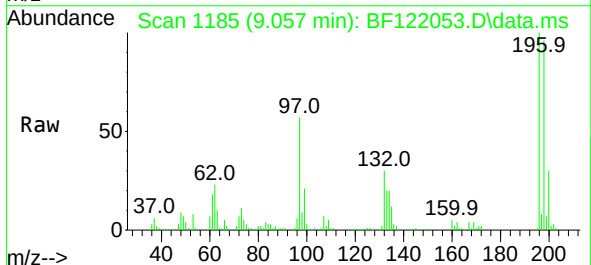
#43  
2,4,6-Trichlorophenol  
Concen: 46.20 ng  
RT: 9.010 min Scan# 1177  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



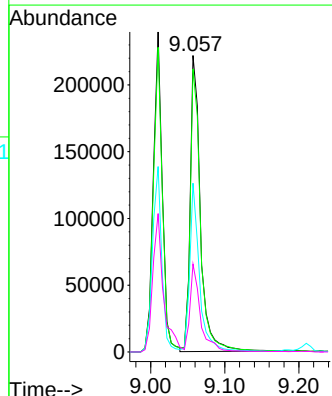
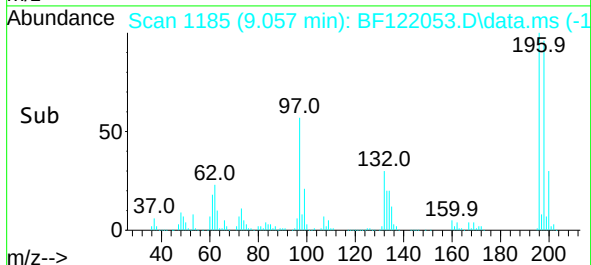
Tgt Ion:196 Resp: 202771  
Ion Ratio Lower Upper  
196 100  
198 95.2 75.8 113.6  
200 29.9 24.6 36.8



#44  
2,4,5-Trichlorophenol  
Concen: 45.09 ng  
RT: 9.057 min Scan# 1185  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



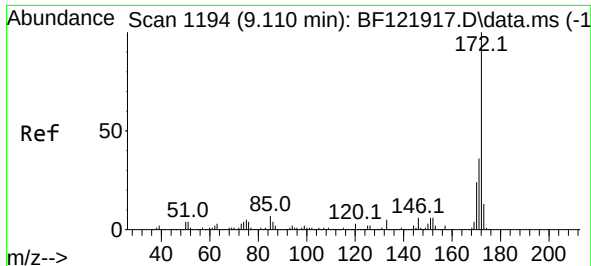
Tgt Ion:196 Resp: 213732  
Ion Ratio Lower Upper  
196 100  
198 95.5 76.1 114.1  
97 56.9 41.0 61.6  
132 29.7 22.4 33.6



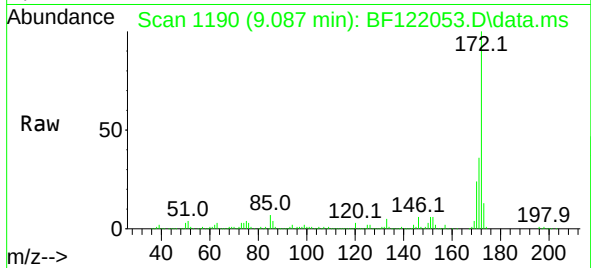
Instrument :  
BNA\_F  
ClientSampleId :  
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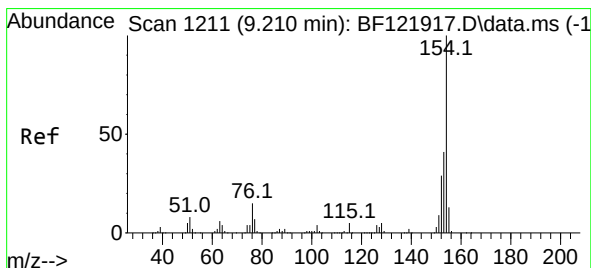
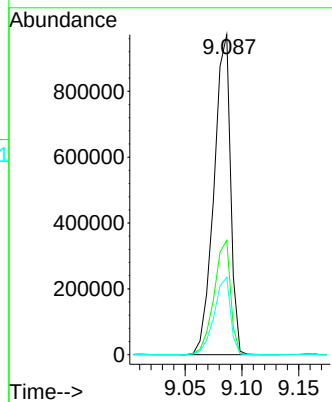
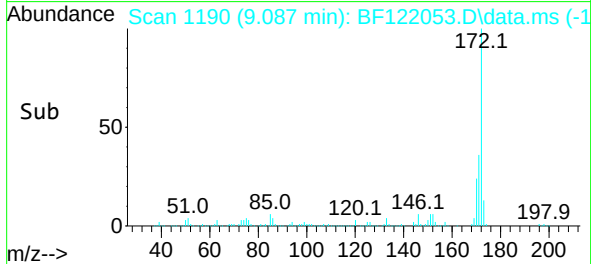
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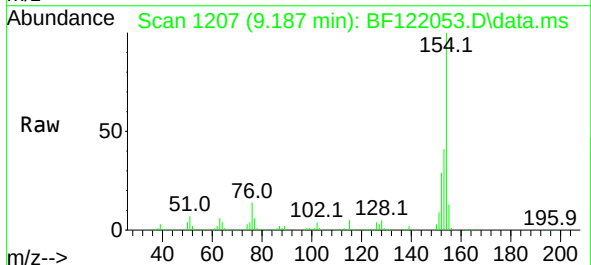
#45  
2-Fluorobiphenyl  
Concen: 65.88 ng  
RT: 9.087 min Scan# 1190  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



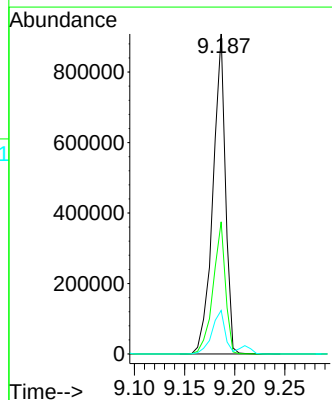
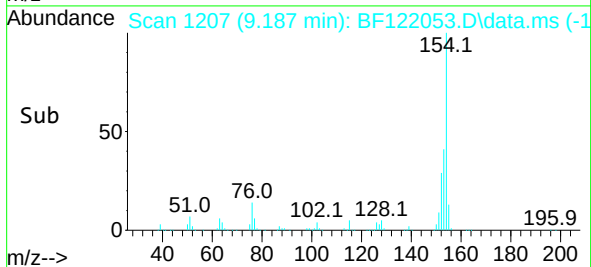
Tgt Ion:172 Resp: 986804  
Ion Ratio Lower Upper  
172 100  
171 35.7 29.1 43.7  
170 24.1 19.8 29.6



#46  
1,1'-Biphenyl  
Concen: 44.03 ng  
RT: 9.187 min Scan# 1207  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



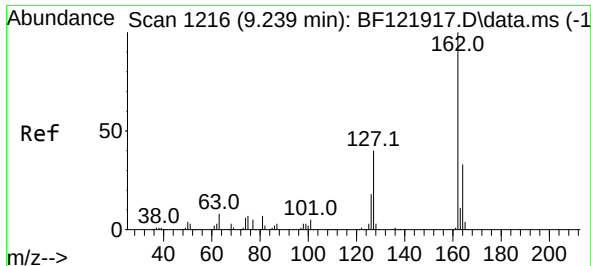
Tgt Ion:154 Resp: 788941  
Ion Ratio Lower Upper  
154 100  
153 41.3 21.3 61.3  
76 13.6 0.0 34.7



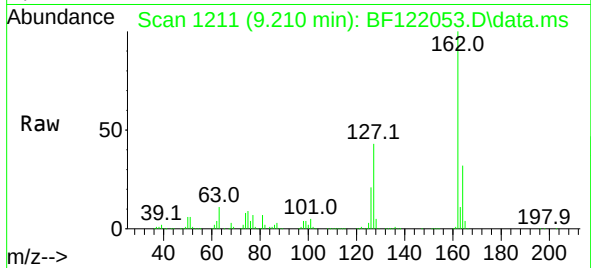
Instrument :  
BNA\_F  
ClientSampleId :  
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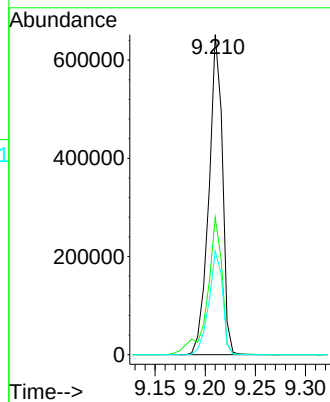
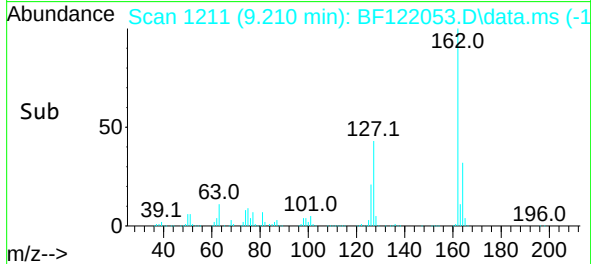
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#47  
2-Chloronaphthalene  
Concen: 44.23 ng  
RT: 9.210 min Scan# 1211  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



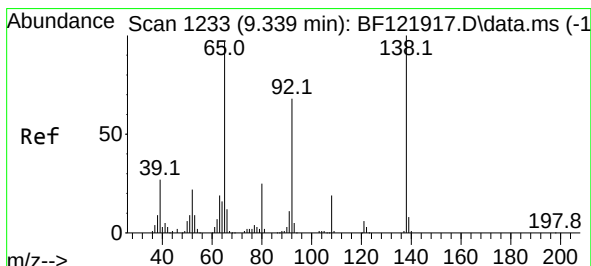
Tgt Ion:162 Resp: 616329  
Ion Ratio Lower Upper  
162 100  
127 42.9 34.4 51.6  
164 32.4 26.3 39.5



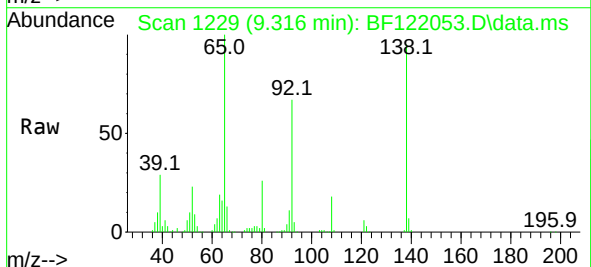
Instrument :  
BNA\_F  
ClientSampleId :  
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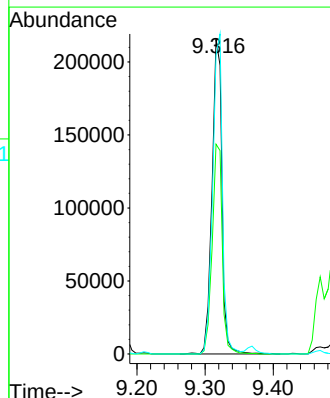
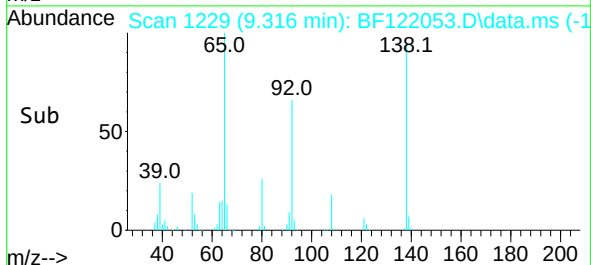
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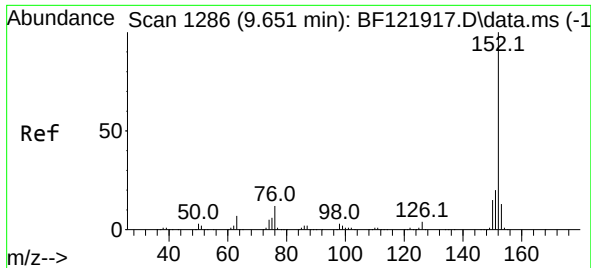


#48  
2-Nitroaniline  
Concen: 47.68 ng  
RT: 9.316 min Scan# 1229  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

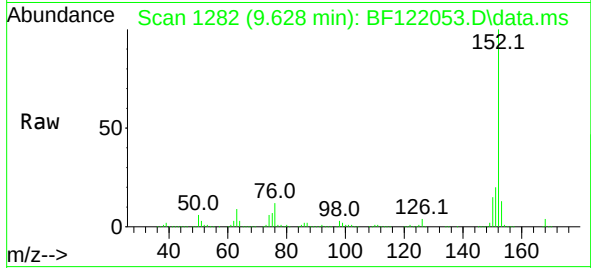


Tgt Ion: 65 Resp: 219166  
Ion Ratio Lower Upper  
65 100  
92 66.6 55.1 82.7  
138 94.9 80.5 120.7

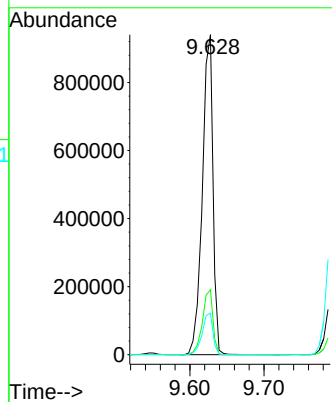
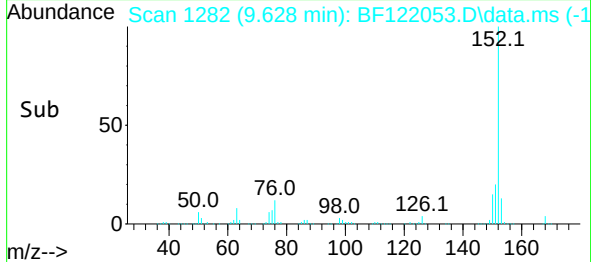




#49  
Acenaphthylene  
Concen: 43.75 ng  
RT: 9.628 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



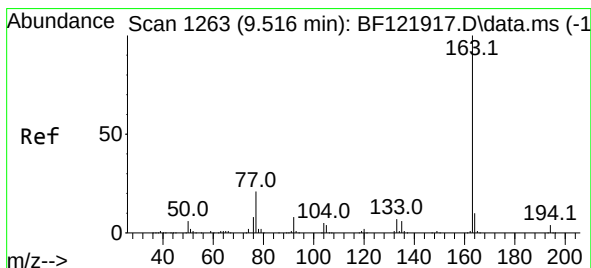
Tgt Ion:152 Resp: 936485  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.4 24.6  
153 13.0 10.6 15.8



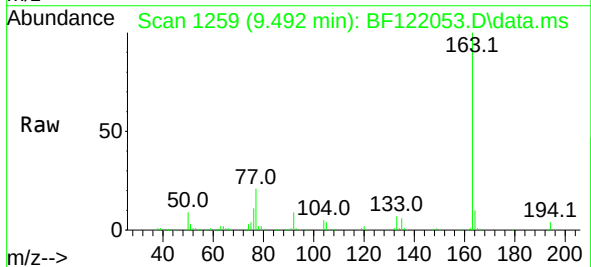
Instrument :  
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ClientSampleId :  
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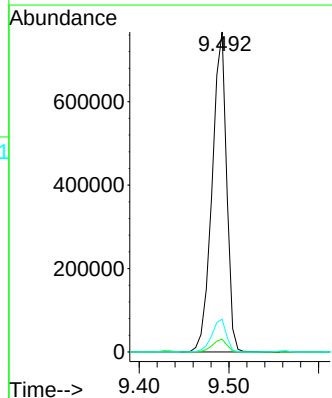
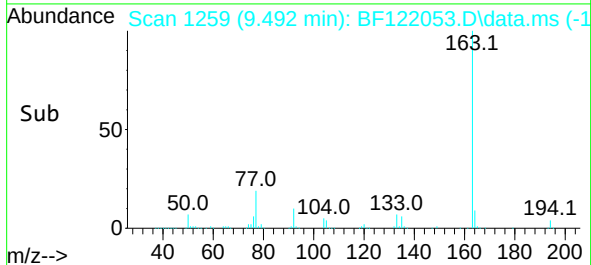
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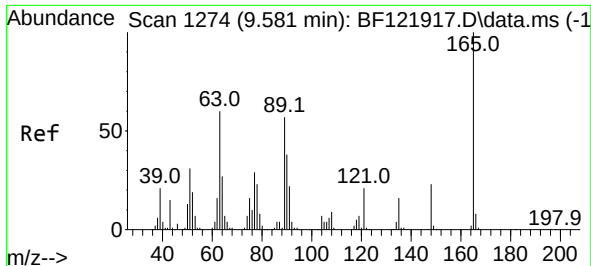


#50  
Dimethylphthalate  
Concen: 53.35 ng  
RT: 9.492 min Scan# 1259  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion:163 Resp: 859678  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.2 8.2 12.4





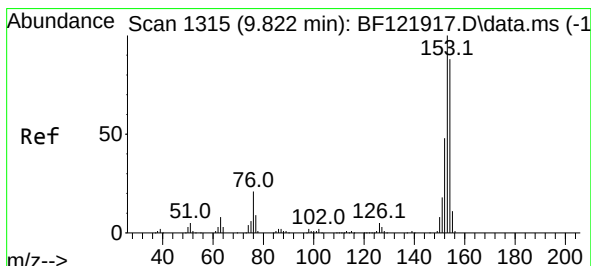
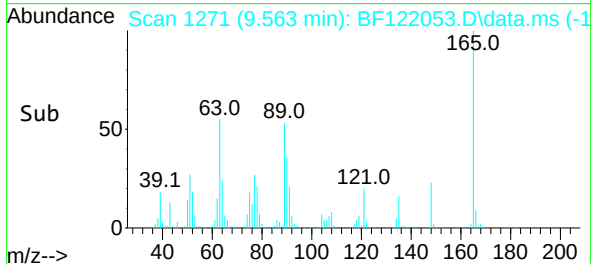
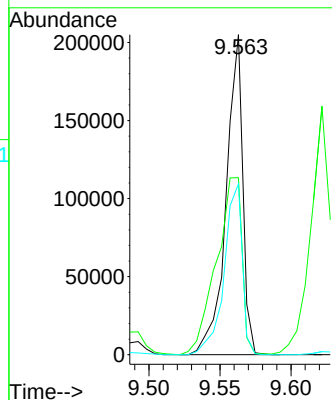
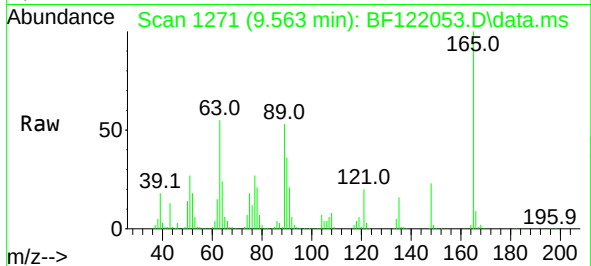
#51  
2,6-Dinitrotoluene  
Concen: 47.42 ng  
RT: 9.563 min Scan# 1271  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:165 Resp: 167636  
Ion Ratio Lower Upper  
165 100  
63 55.3 51.8 77.6  
89 53.4 49.0 73.6

Instrument :  
BNA\_F  
ClientSampleId :  
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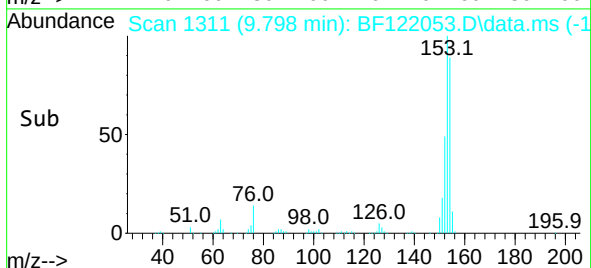
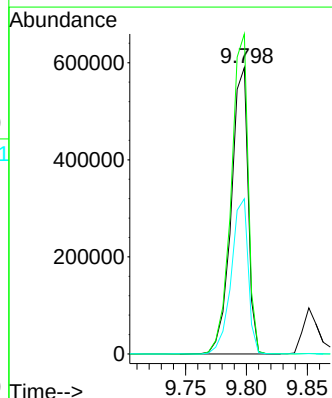
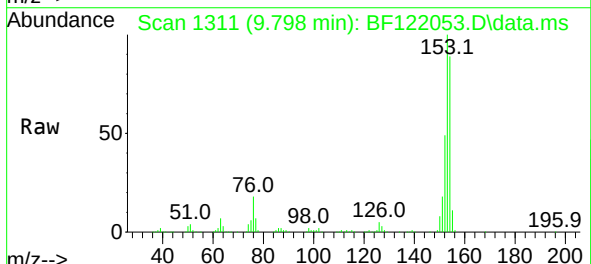
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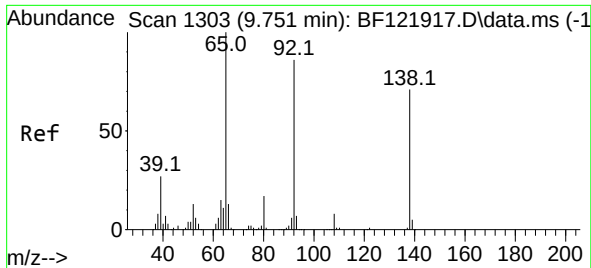
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#52  
Acenaphthene  
Concen: 44.85 ng  
RT: 9.798 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:154 Resp: 570978  
Ion Ratio Lower Upper  
154 100  
153 111.7 89.8 134.8  
152 54.2 43.2 64.8





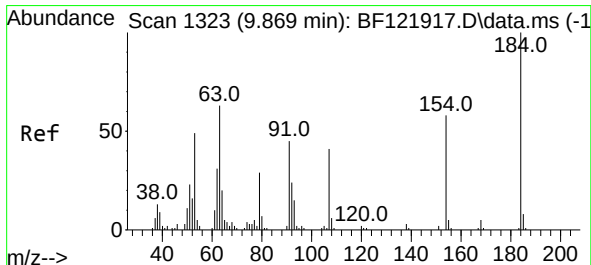
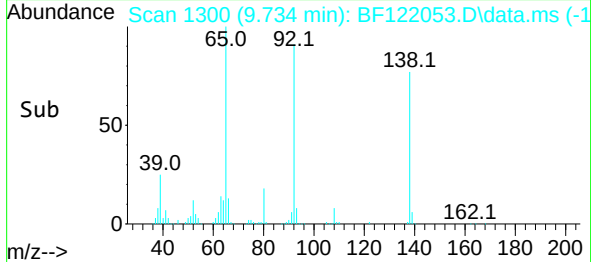
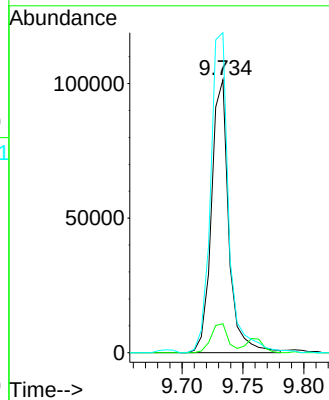
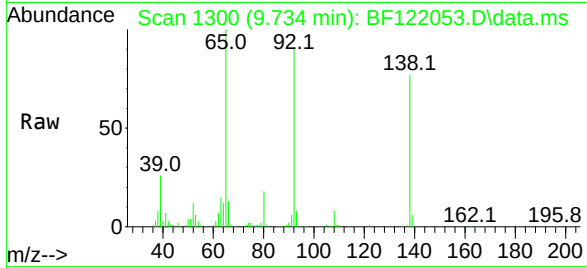
#53  
3-Nitroaniline  
Concen: 24.98 ng  
RT: 9.734 min Scan# 1300  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:138 Resp: 100417  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.6 13.0  
92 117.3 96.6 144.8

Instrument :  
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ClientSampleId :  
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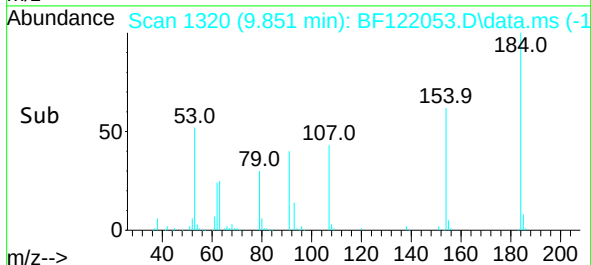
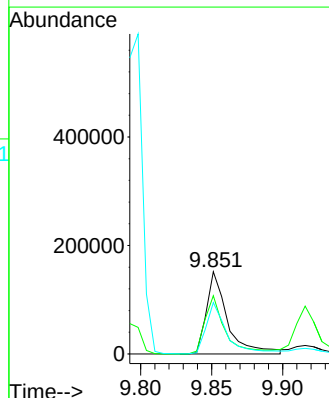
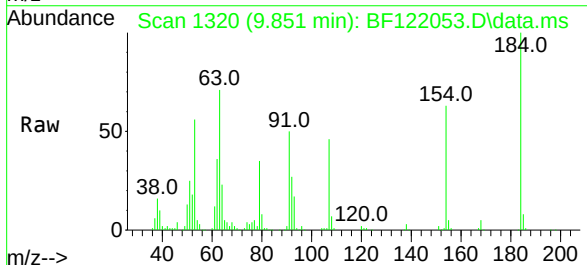
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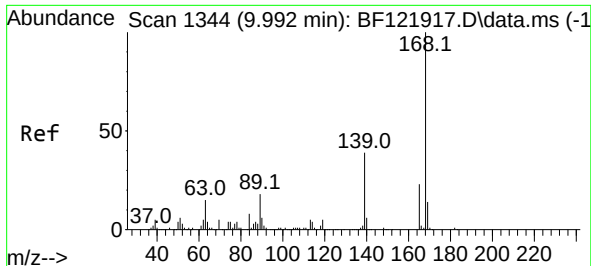
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#54  
2,4-Dinitrophenol  
Concen: 86.17 ng  
RT: 9.851 min Scan# 1320  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:184 Resp: 156795  
Ion Ratio Lower Upper  
184 100  
63 70.9 45.9 68.9#  
154 62.5 45.8 68.6





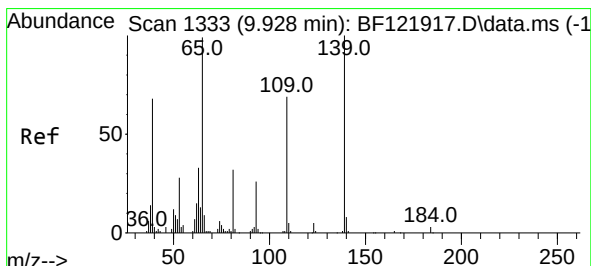
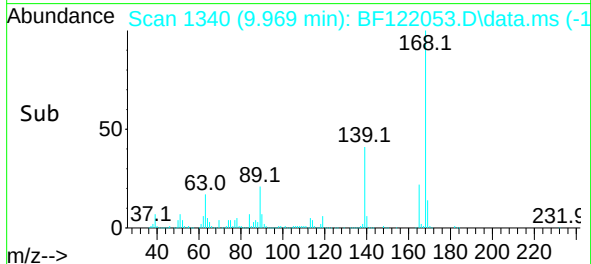
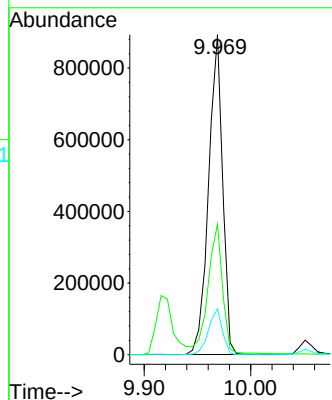
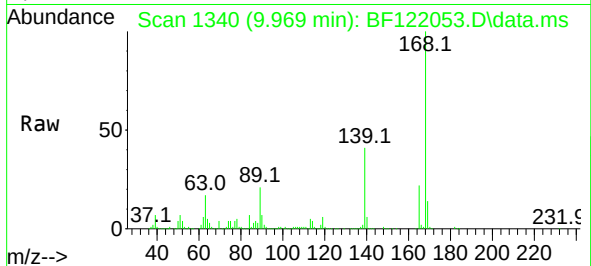
#55  
Dibenzofuran  
Concen: 43.98 ng  
RT: 9.969 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:168 Resp: 818906  
Ion Ratio Lower Upper  
168 100  
139 40.8 31.0 46.6  
169 14.4 11.3 16.9

Instrument :  
BNA\_F  
ClientSampleId :  
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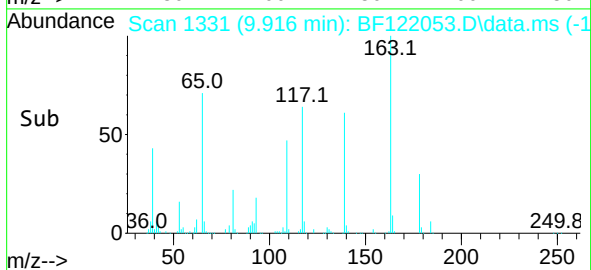
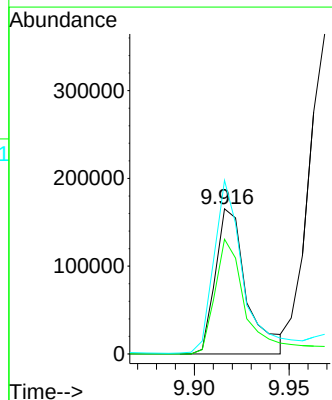
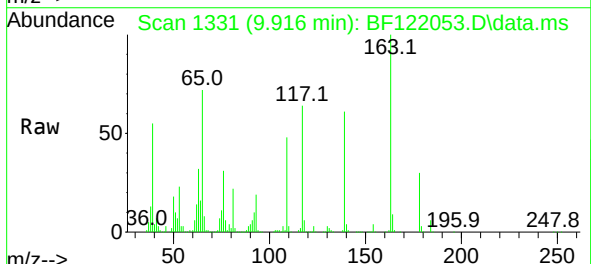
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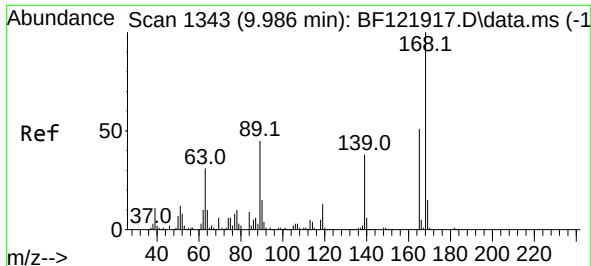
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#56  
4-Nitrophenol  
Concen: 86.70 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

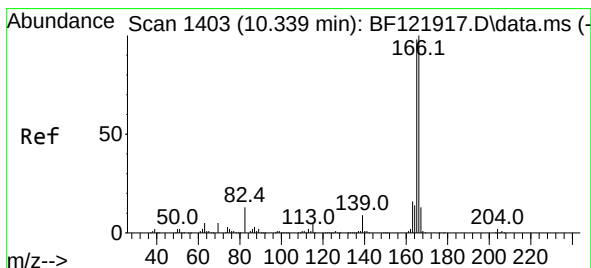
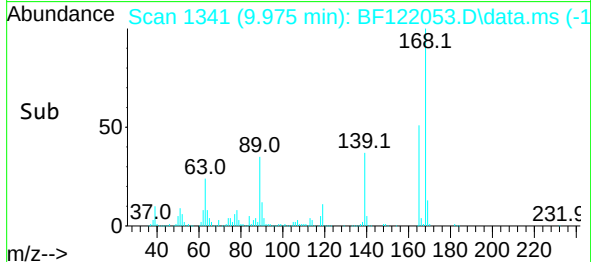
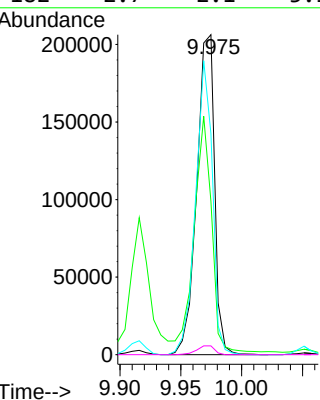
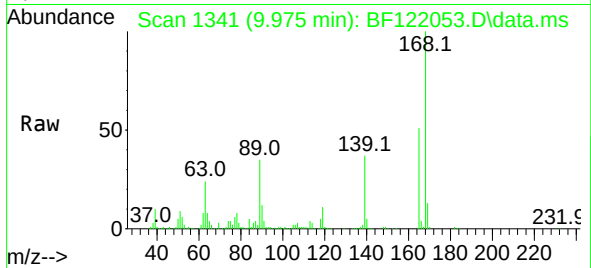
Tgt Ion:139 Resp: 189613  
Ion Ratio Lower Upper  
139 100  
109 79.1 45.4 85.4  
65 119.6 68.4 108.4#





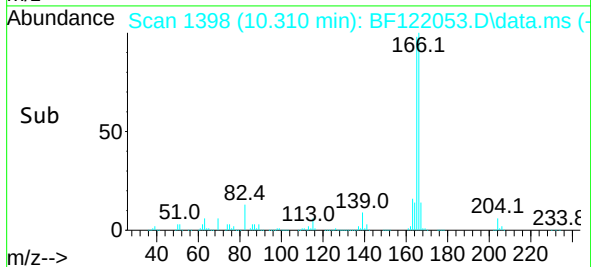
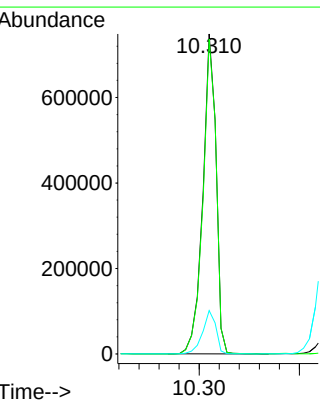
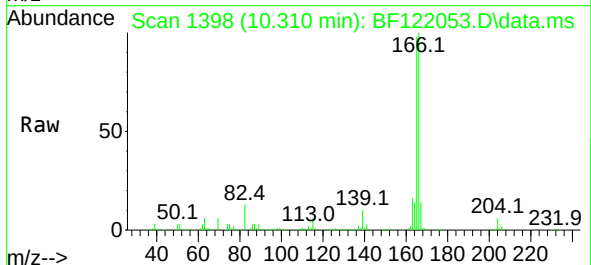
#57  
2,4-Dinitrotoluene  
Concen: 48.28 ng  
RT: 9.975 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:165 Resp: 210106  
Ion Ratio Lower Upper  
165 100  
63 47.9 41.3 61.9  
89 69.1 61.8 92.8  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 45.43 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:166 Resp: 681458  
Ion Ratio Lower Upper  
166 100  
165 98.4 79.1 118.7  
167 13.6 11.0 16.6

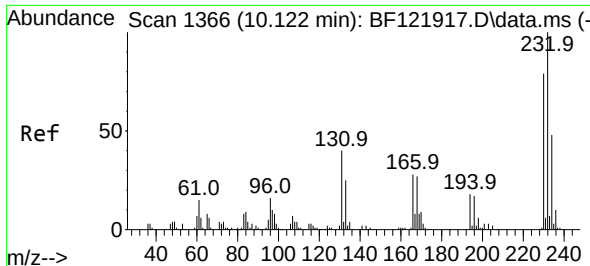


Instrument :  
BNA\_F  
ClientSampleId :  
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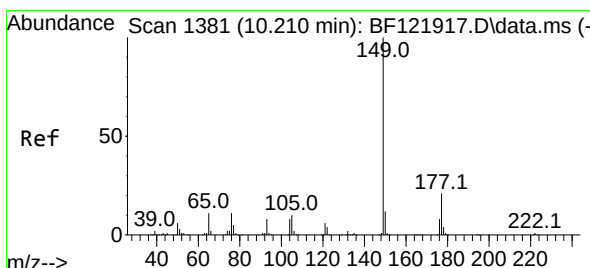
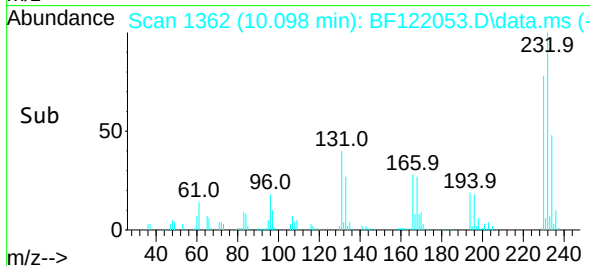
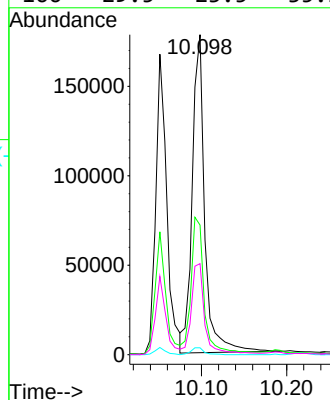
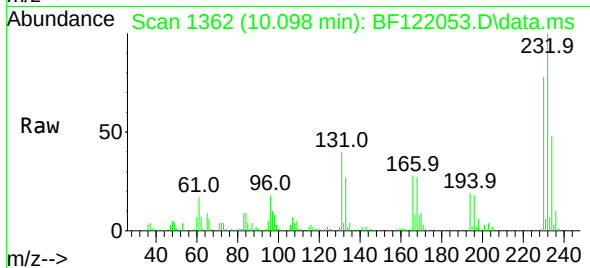
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.18 ng  
RT: 10.098 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:232 Resp: 180358  
Ion Ratio Lower Upper  
232 100  
131 46.1 35.9 53.9  
130 2.3 1.8 2.6  
166 29.5 23.5 35.3

Instrument :  
BNA\_F  
ClientSampleId :  
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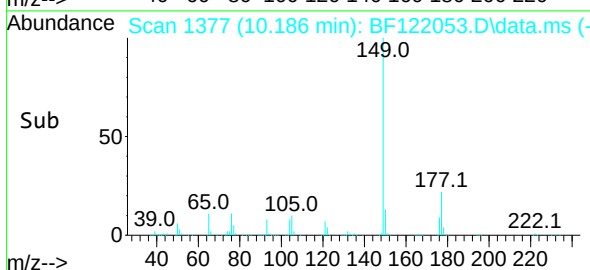
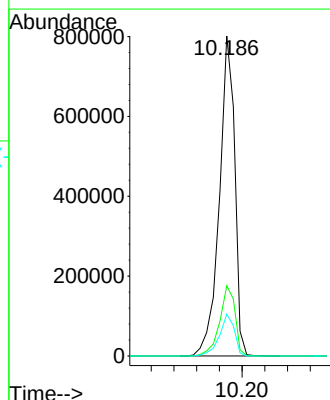
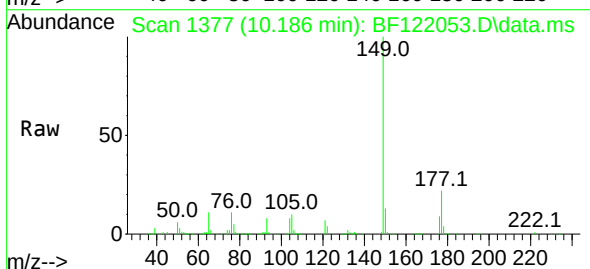
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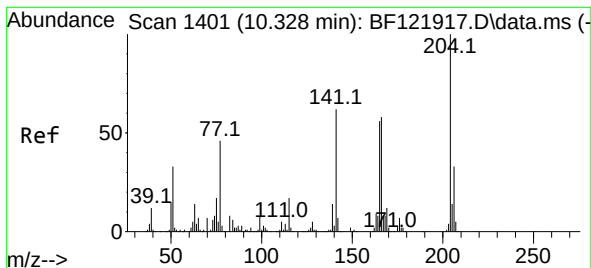
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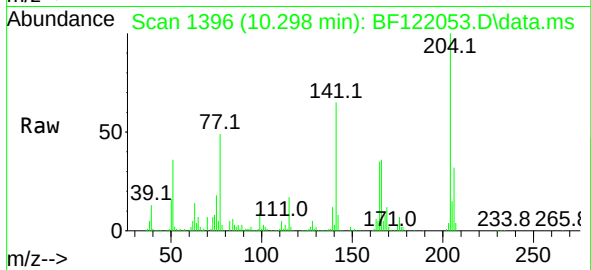
#60  
Diethylphthalate  
Concen: 48.52 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:149 Resp: 753988  
Ion Ratio Lower Upper  
149 100  
177 22.0 18.1 27.1  
150 13.0 10.3 15.5

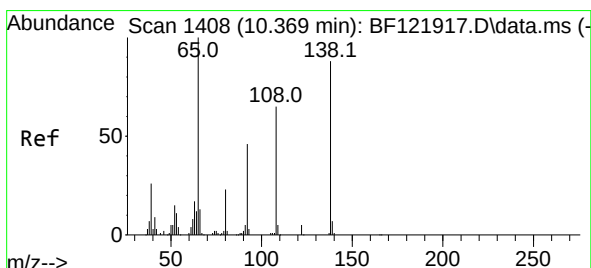
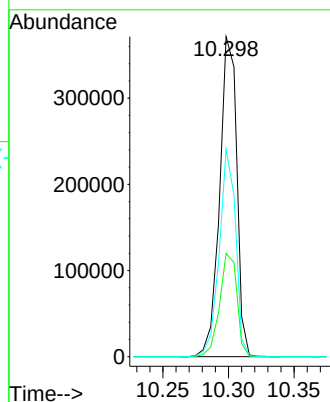
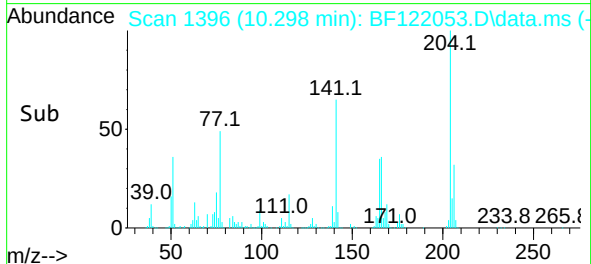




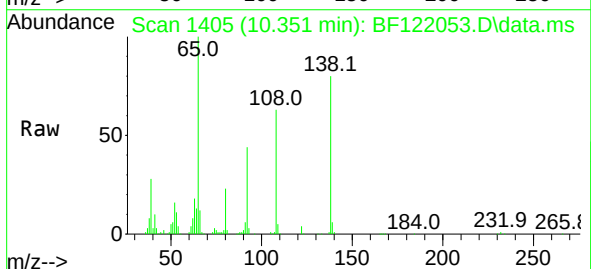
#61  
4-Chlorophenyl-phenylether  
Concen: 46.81 ng  
RT: 10.298 min Scan# 1396  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



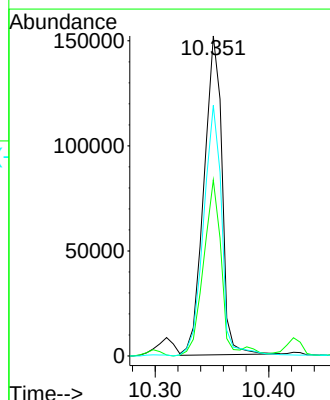
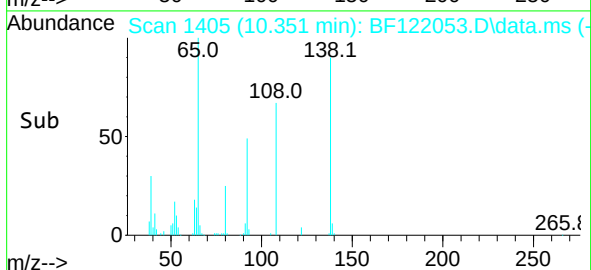
Tgt Ion:204 Resp: 336772  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.0 39.0  
141 64.8 46.2 69.4



#62  
4-Nitroaniline  
Concen: 41.64 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



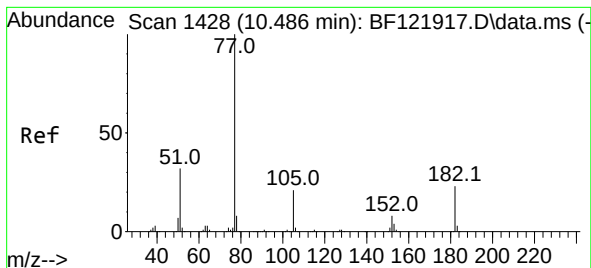
Tgt Ion:138 Resp: 167263  
Ion Ratio Lower Upper  
138 100  
92 55.0 31.0 71.0  
108 78.3 51.5 91.5



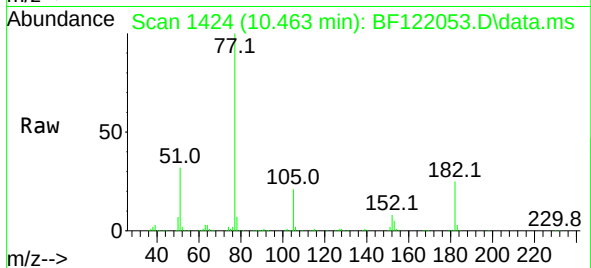
Instrument :  
BNA\_F  
ClientSampleId :  
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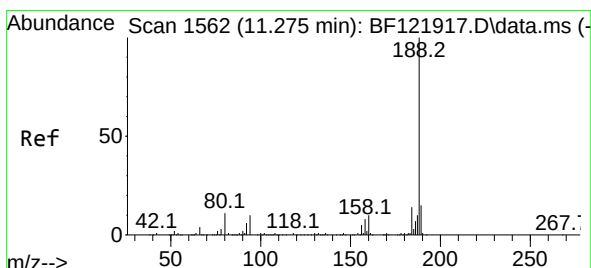
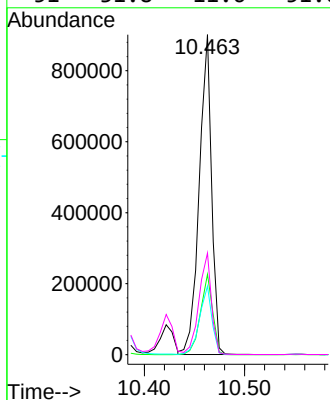
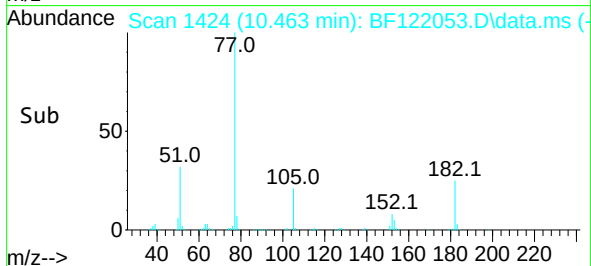
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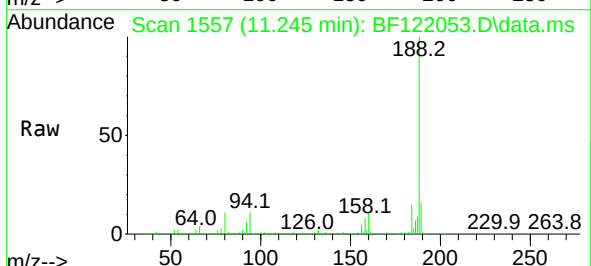
#63  
Azobenzene  
Concen: 47.21 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



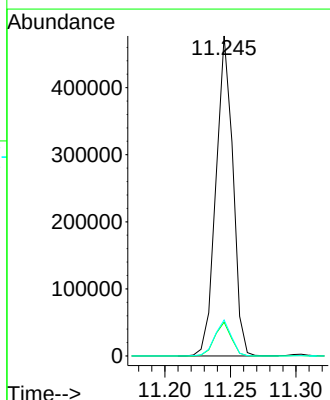
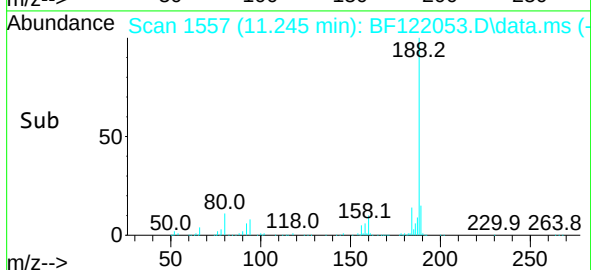
Tgt Ion: 77 Resp: 775883  
Ion Ratio Lower Upper  
77 100  
182 25.1 3.4 43.4  
105 21.4 1.7 41.7  
51 31.8 11.6 51.6



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.245 min Scan# 1557  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



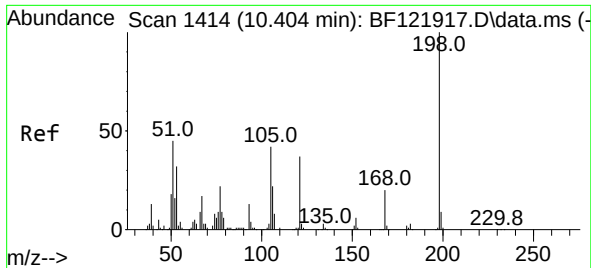
Tgt Ion: 188 Resp: 427791  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.3 12.5  
80 11.2 9.1 13.7



Instrument :  
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ClientSampleId :  
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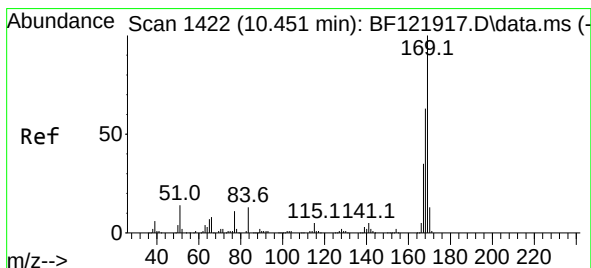
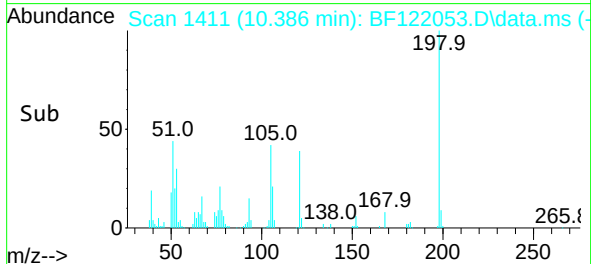
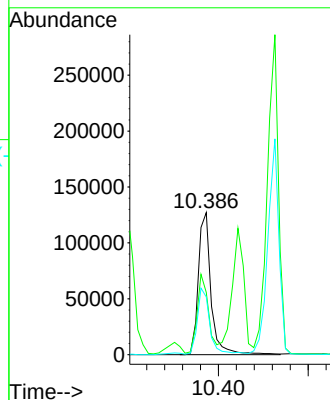
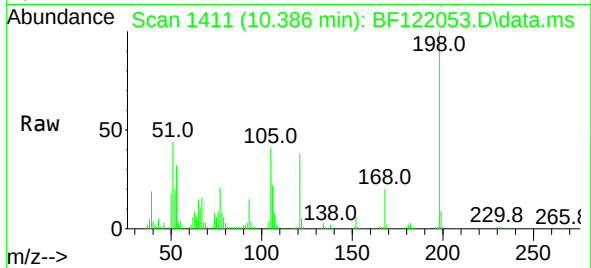
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.08 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:198 Resp: 125222  
Ion Ratio Lower Upper  
198 100  
51 43.8 29.6 69.6  
105 40.7 24.4 64.4

Instrument :  
BNA\_F  
ClientSampleId :  
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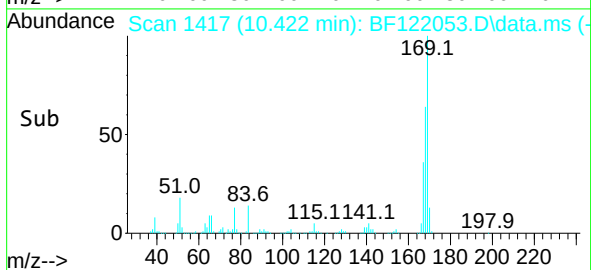
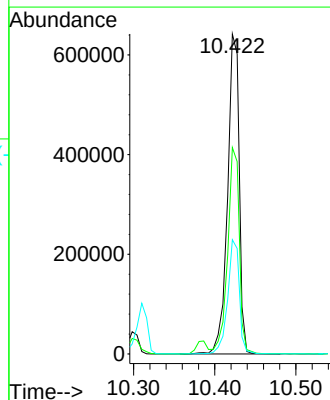
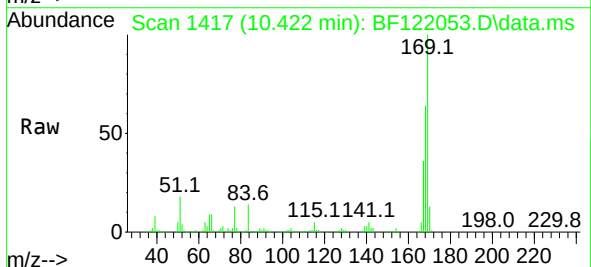
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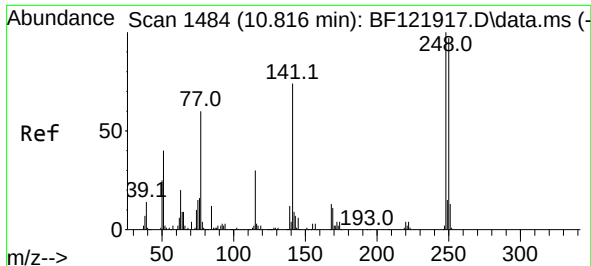
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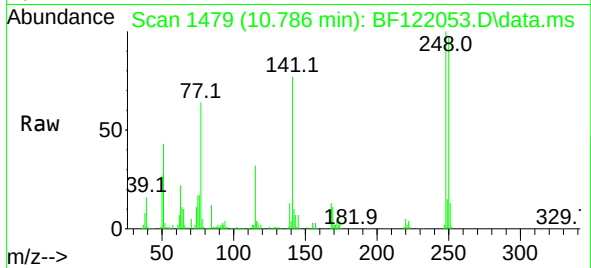
#66  
n-Nitrosodiphenylamine  
Concen: 43.64 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:169 Resp: 643156  
Ion Ratio Lower Upper  
169 100  
168 64.5 50.0 75.0  
167 35.7 27.8 41.6

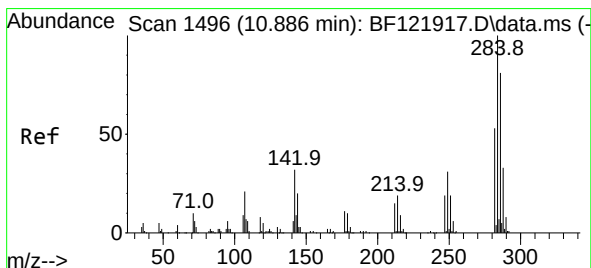
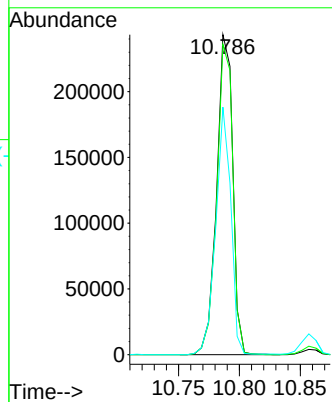
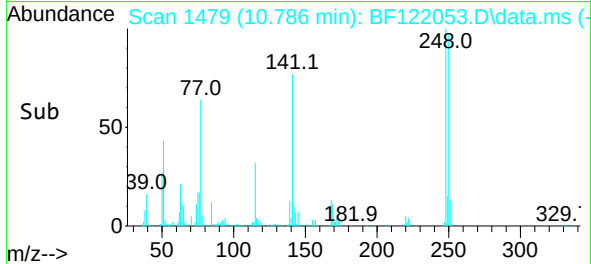




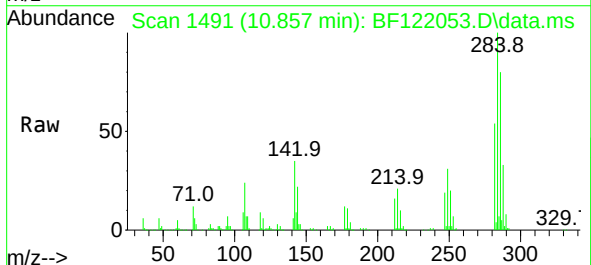
#67  
4-Bromophenyl-phenylether  
Concen: 45.43 ng  
RT: 10.786 min Scan# 1479  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



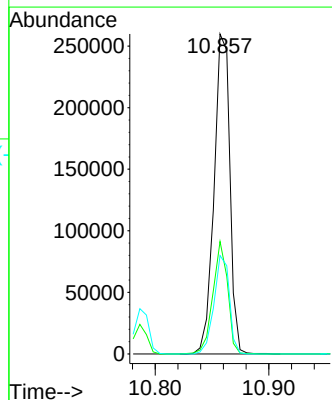
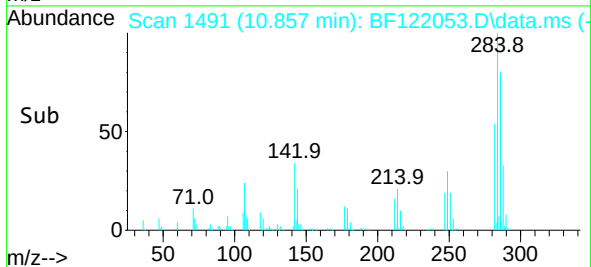
Tgt Ion:248 Resp: 224527  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.0 115.6  
141 77.3 53.7 80.5



#68  
Hexachlorobenzene  
Concen: 44.95 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



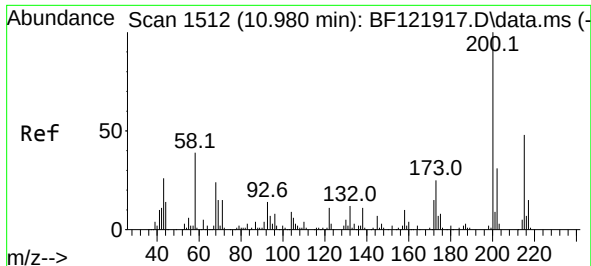
Tgt Ion:284 Resp: 251447  
Ion Ratio Lower Upper  
284 100  
142 35.2 27.4 41.2  
249 30.7 24.2 36.4



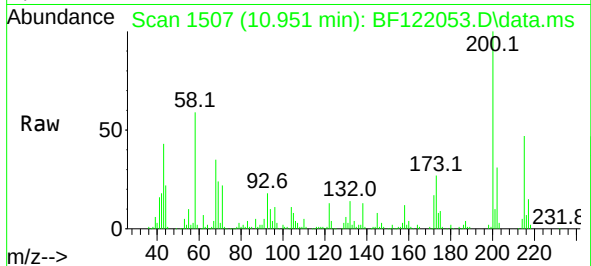
Instrument :  
BNA\_F  
ClientSampleId :  
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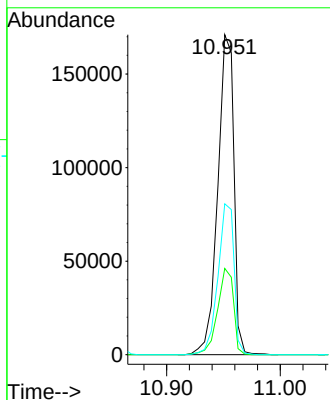
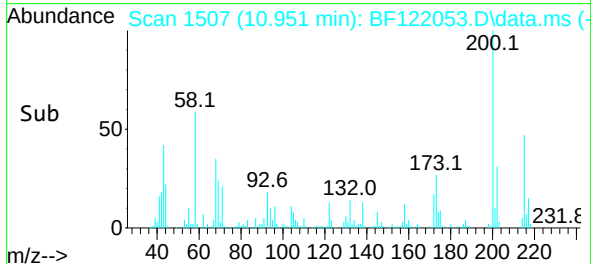
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#69  
Atrazine  
Concen: 46.89 ng  
RT: 10.951 min Scan# 1507  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



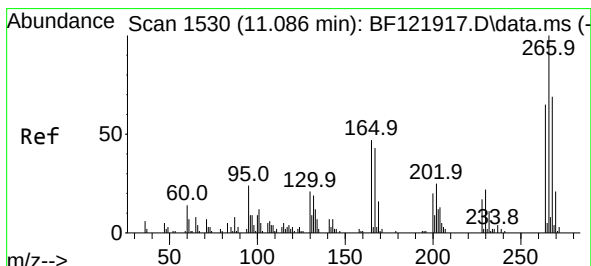
Tgt Ion:200 Resp: 168947  
Ion Ratio Lower Upper  
200 100  
173 27.0 7.5 47.5  
215 47.2 27.1 67.1



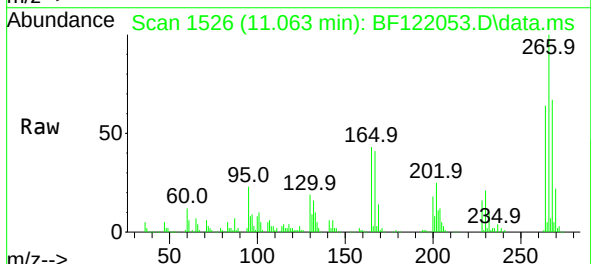
Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

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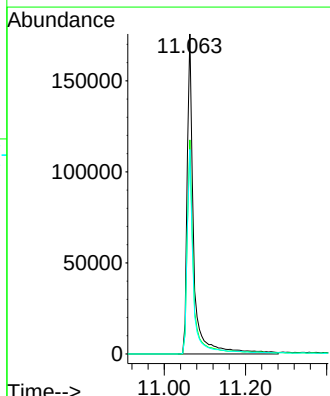
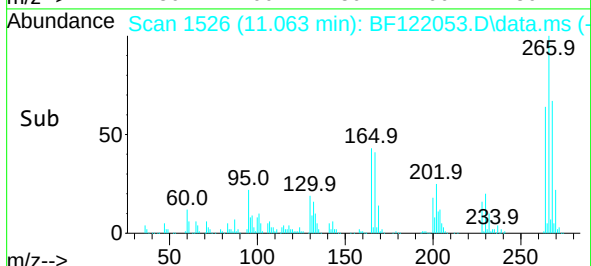
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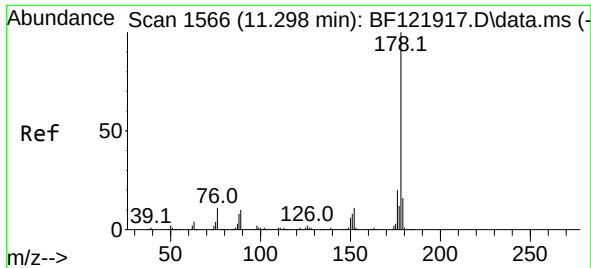


#70  
Pentachlorophenol  
Concen: 88.28 ng  
RT: 11.063 min Scan# 1526  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion:266 Resp: 196186  
Ion Ratio Lower Upper  
266 100  
268 66.9 52.4 78.6  
264 63.9 49.9 74.9





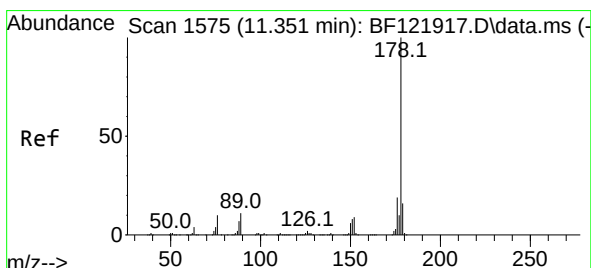
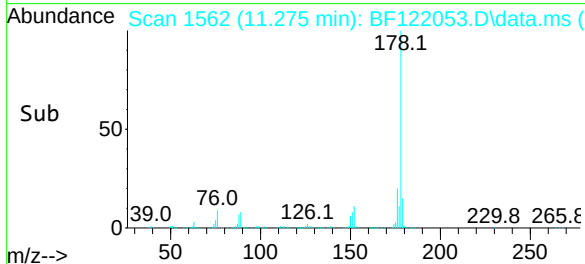
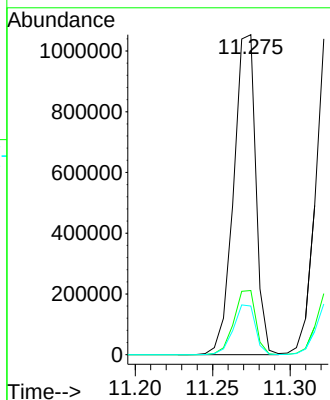
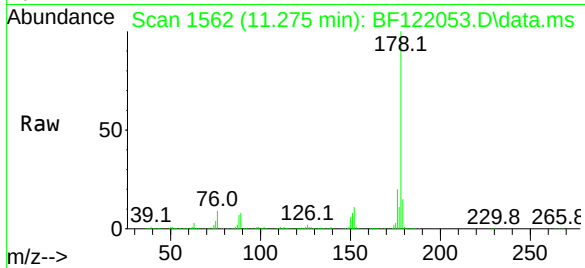
#71  
Phenanthrene  
Concen: 44.63 ng  
RT: 11.275 min Scan# 1562  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:178 Resp: 1046781  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.9 23.9  
179 15.2 12.2 18.4

Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS

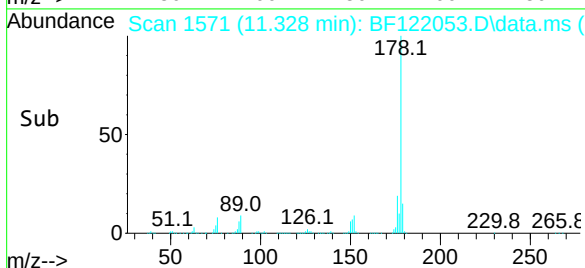
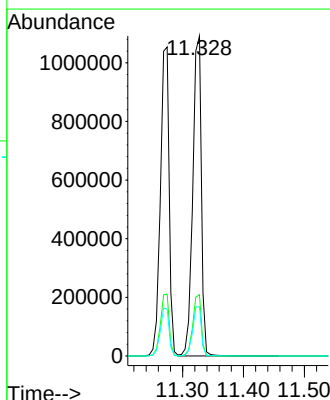
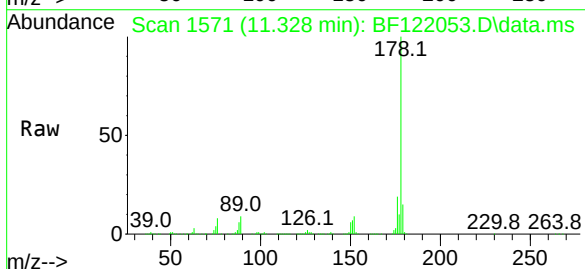
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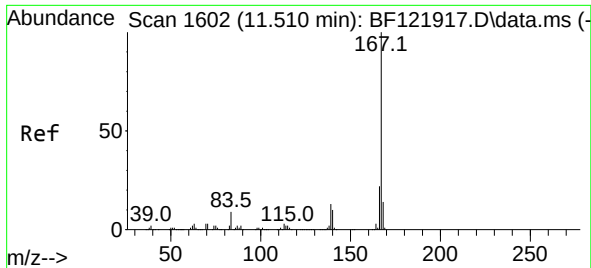
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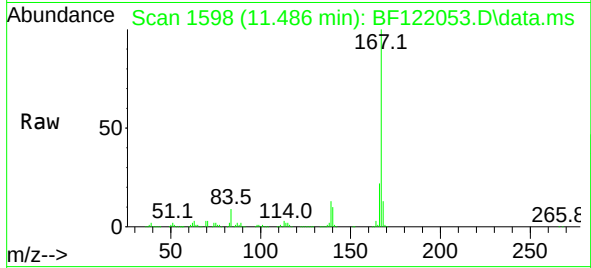
#72  
Anthracene  
Concen: 43.79 ng  
RT: 11.328 min Scan# 1571  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:178 Resp: 1065439  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.7 23.5  
179 15.4 12.7 19.1

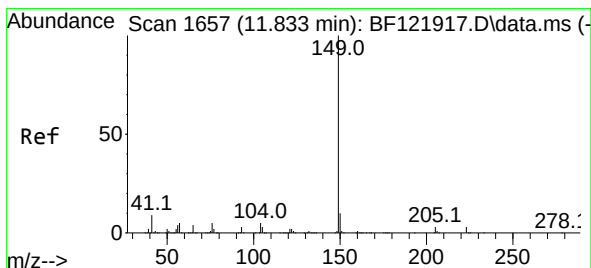
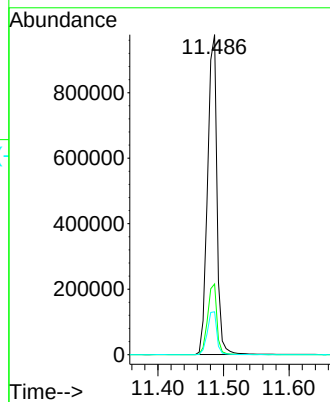
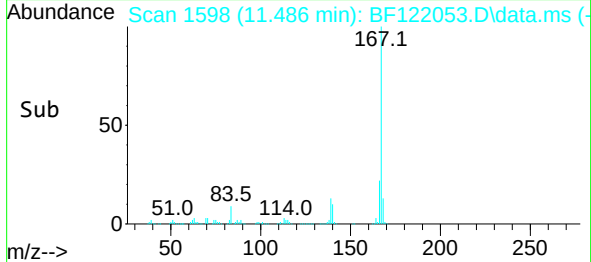




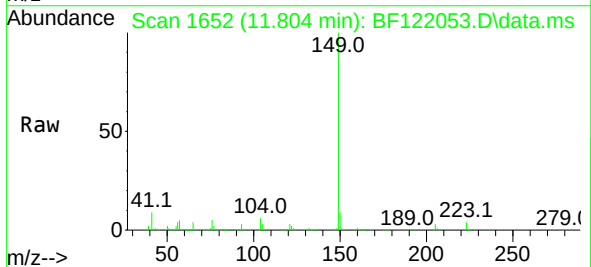
#73  
 Carbazole  
 Concen: 45.09 ng  
 RT: 11.486 min Scan# 1598  
 Delta R.T. 0.000 min  
 Lab File: BF122053.D  
 Acq: 21 Oct 2020 14:10



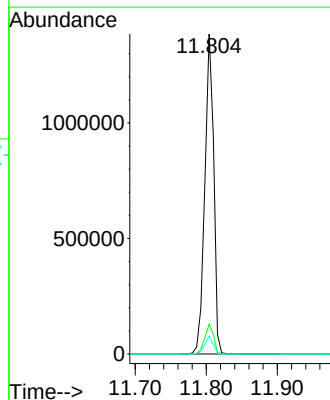
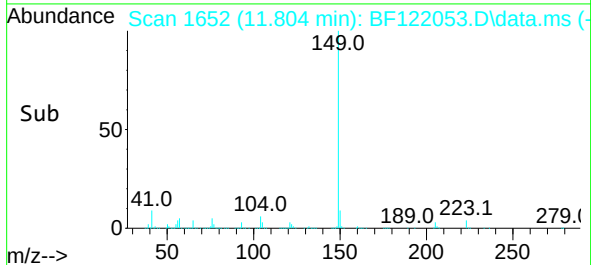
Tgt Ion:167 Resp: 975375  
 Ion Ratio Lower Upper  
 167 100  
 166 22.1 17.8 26.6  
 139 13.4 10.8 16.2



#74  
 Di-n-butylphthalate  
 Concen: 48.49 ng  
 RT: 11.804 min Scan# 1652  
 Delta R.T. -0.006 min  
 Lab File: BF122053.D  
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Tgt Ion:149 Resp: 1206645  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.7 11.5  
 104 5.5 4.2 6.2

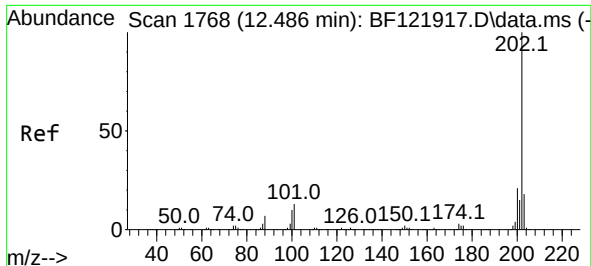


Instrument :  
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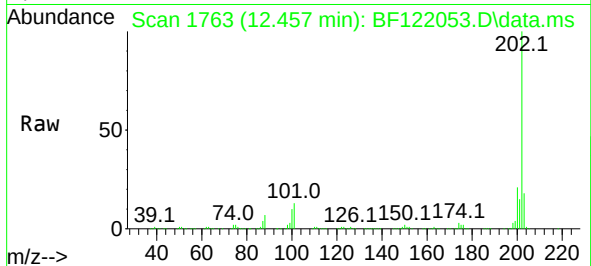
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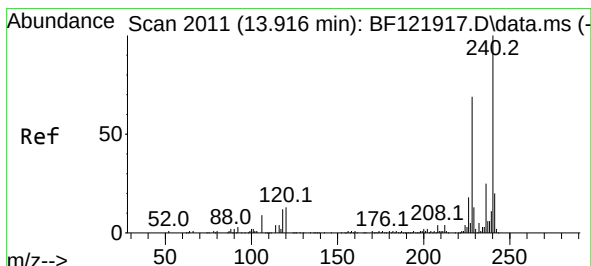
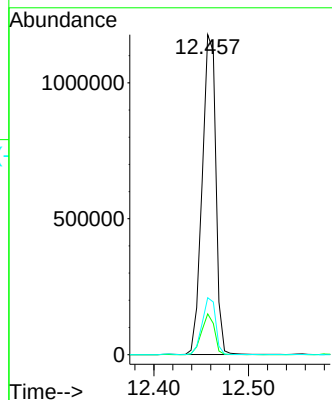
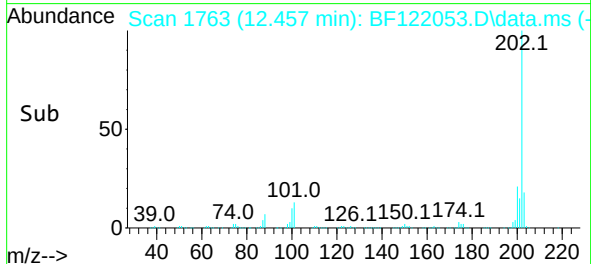




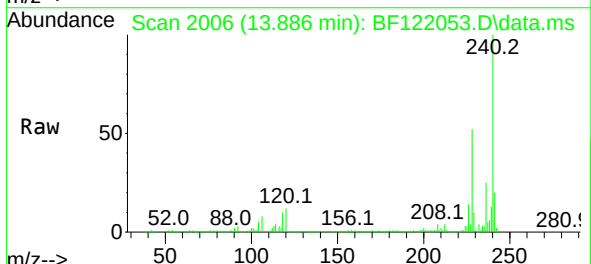
#75  
Fluoranthene  
Concen: 46.82 ng  
RT: 12.457 min Scan# 1763  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



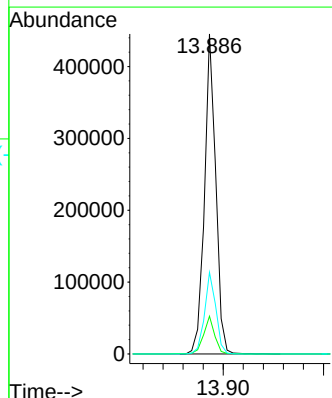
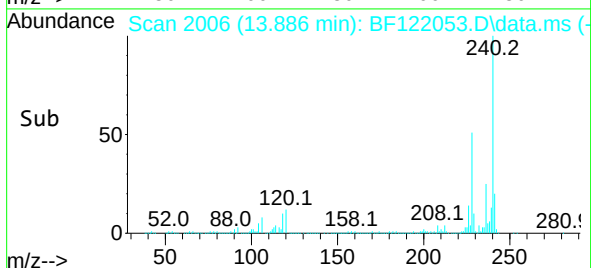
Tgt Ion:202 Resp: 1177495  
Ion Ratio Lower Upper  
202 100  
101 12.8 0.0 33.4  
203 17.8 0.0 37.9



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



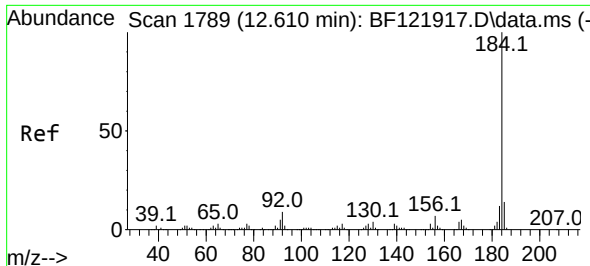
Tgt Ion:240 Resp: 348810  
Ion Ratio Lower Upper  
240 100  
120 11.8 9.2 13.8  
236 25.5 20.9 31.3



Instrument :  
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ClientSampleId :  
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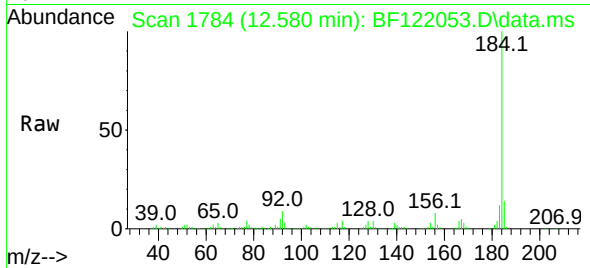
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#77  
Benzidine  
Concen: 26.34 ng  
RT: 12.580 min Scan# 1784  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

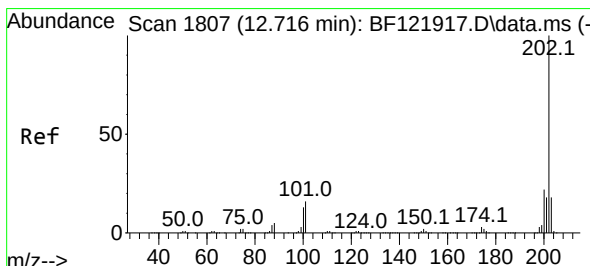
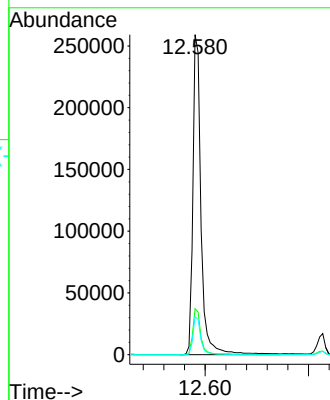
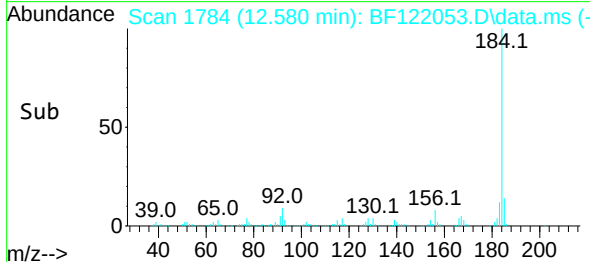
Instrument :  
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ClientSampleId :  
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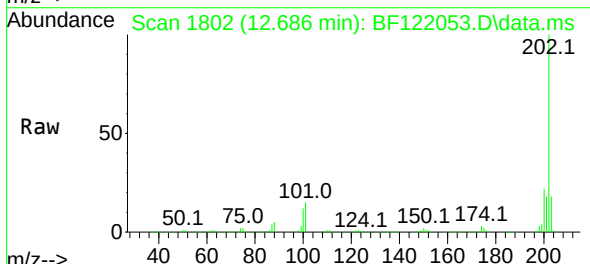
Tgt Ion:184 Resp: 283289  
Ion Ratio Lower Upper  
184 100  
185 14.4 11.6 17.4  
183 11.9 9.4 14.0

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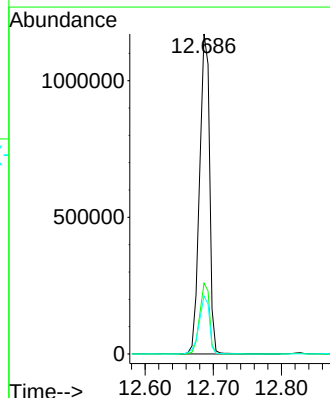
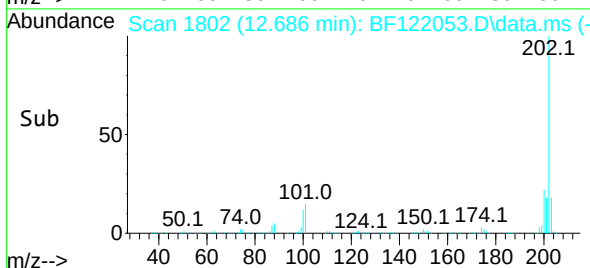
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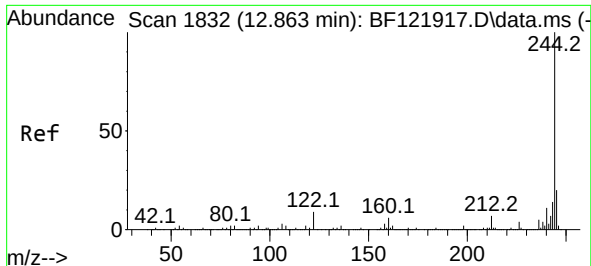


#78  
Pyrene  
Concen: 44.80 ng  
RT: 12.686 min Scan# 1802  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

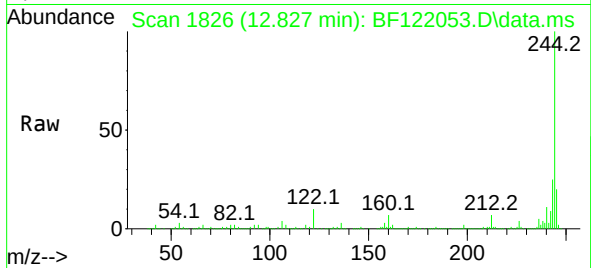


Tgt Ion:202 Resp: 1190900  
Ion Ratio Lower Upper  
202 100  
200 22.2 17.4 26.2  
203 18.1 14.6 21.8

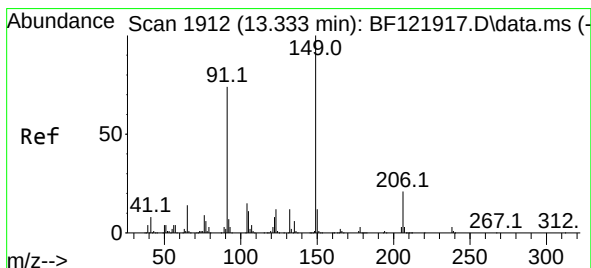
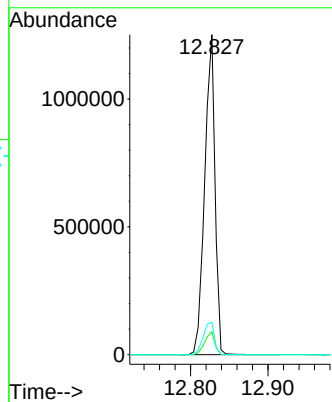
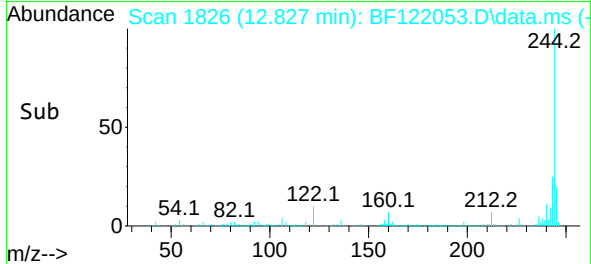




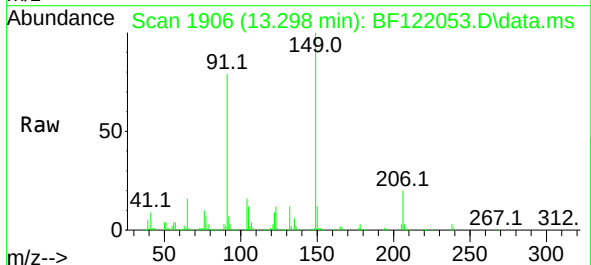
#79  
Terphenyl-d14  
Concen: 63.06 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



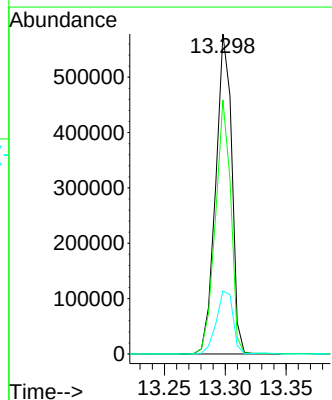
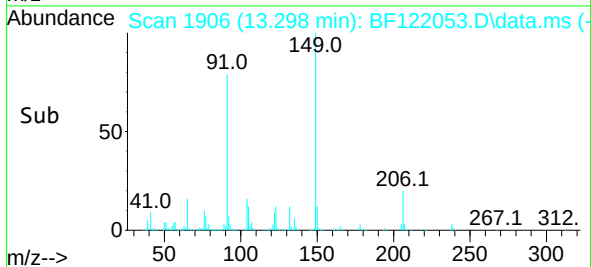
Tgt Ion:244 Resp: 1154187  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.4 8.2  
122 10.1 8.1 12.1



#80  
Butylbenzylphthalate  
Concen: 50.50 ng  
RT: 13.298 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



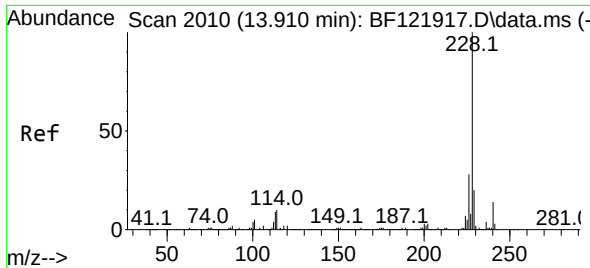
Tgt Ion:149 Resp: 532306  
Ion Ratio Lower Upper  
149 100  
91 79.3 61.0 91.4  
206 19.7 16.7 25.1



Instrument :  
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ClientSampleId :  
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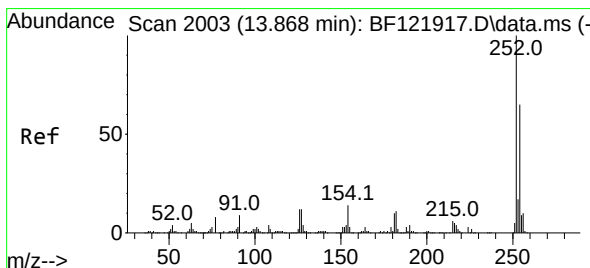
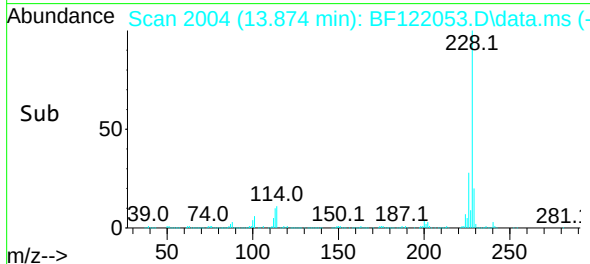
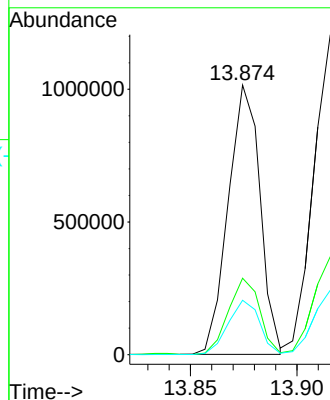
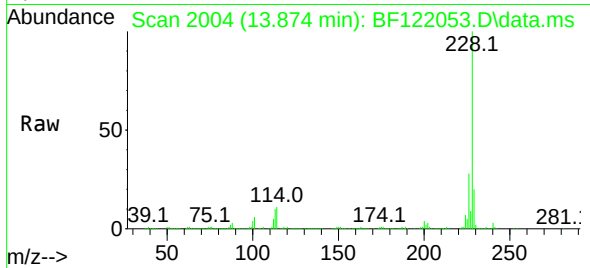
#81  
Benzo(a)anthracene  
Concen: 46.22 ng  
RT: 13.874 min Scan# 2004  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:228 Resp: 1056393  
Ion Ratio Lower Upper  
228 100  
226 28.4 22.3 33.5  
229 20.2 16.2 24.4

Instrument :  
BNA\_F  
ClientSampleId :  
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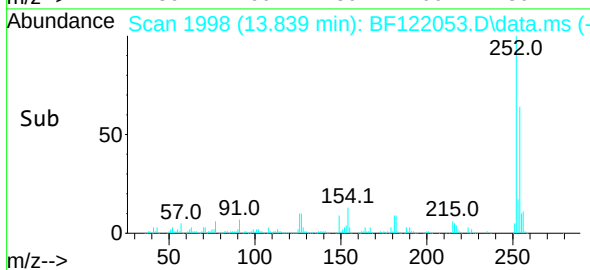
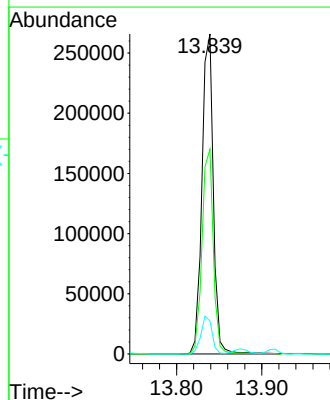
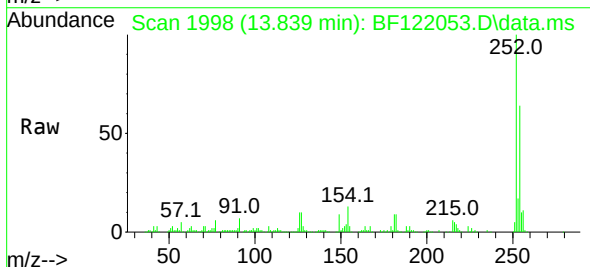
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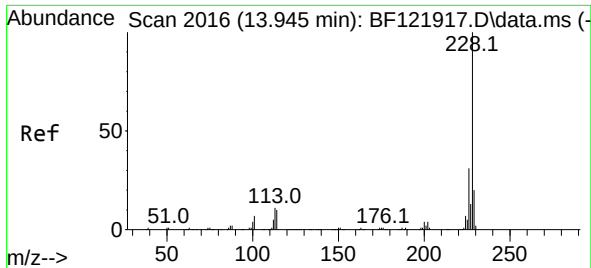
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#82  
3,3'-Dichlorobenzidine  
Concen: 29.03 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:252 Resp: 246152  
Ion Ratio Lower Upper  
252 100  
254 64.0 51.8 77.6  
126 10.3 8.8 13.2





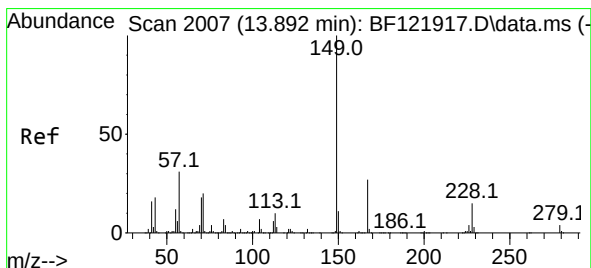
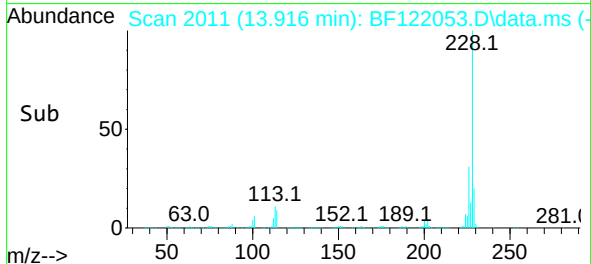
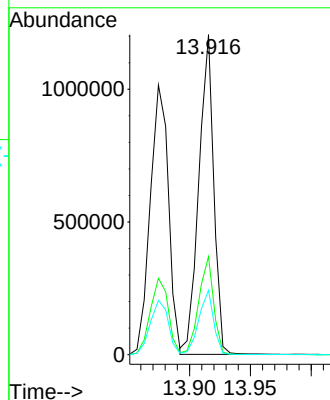
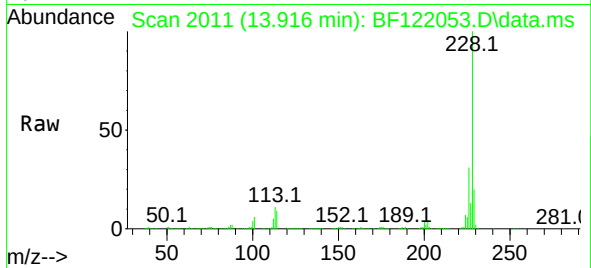
#83  
Chrysene  
Concen: 45.87 ng  
RT: 13.916 min Scan# 2011  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:228 Resp: 1029217  
Ion Ratio Lower Upper  
228 100  
226 30.7 24.6 37.0  
229 20.1 15.9 23.9

Instrument :  
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ClientSampleId :  
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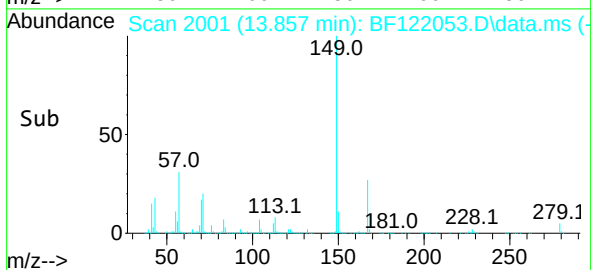
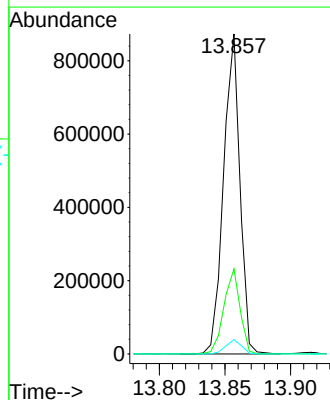
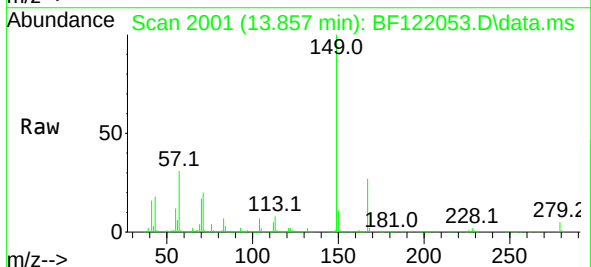
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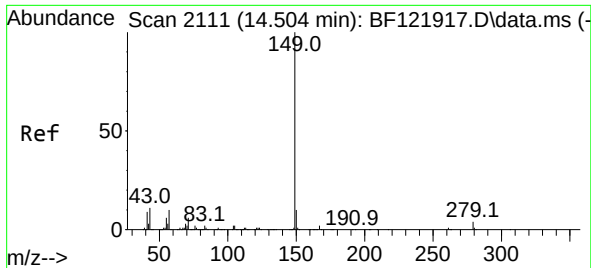
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.78 ng  
RT: 13.857 min Scan# 2001  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:149 Resp: 755388  
Ion Ratio Lower Upper  
149 100  
167 26.6 20.9 31.3  
279 4.5 3.2 4.8





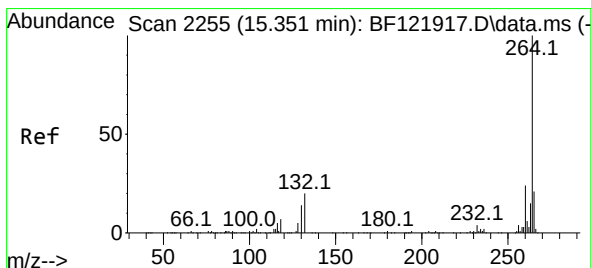
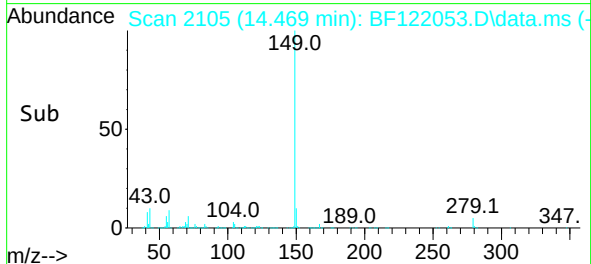
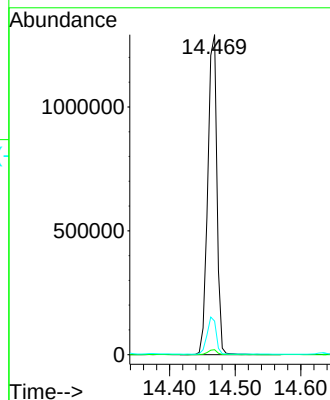
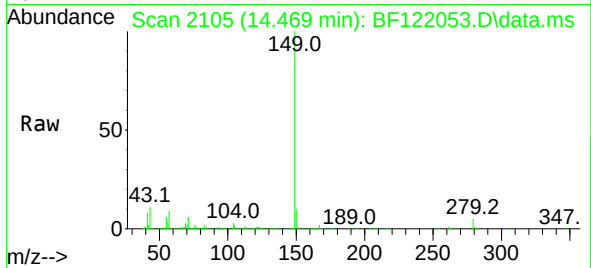
#85  
Di-n-octyl phthalate  
Concen: 54.36 ng  
RT: 14.469 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:149 Resp: 1258457  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 11.4 9.0 13.6

Instrument :  
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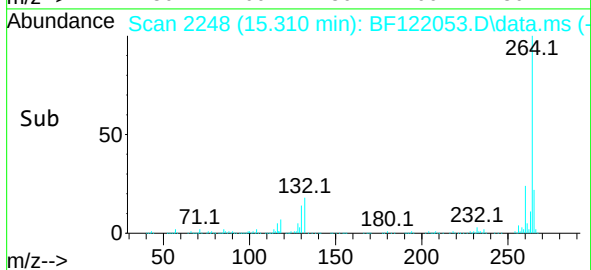
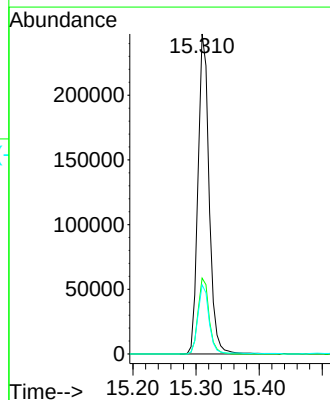
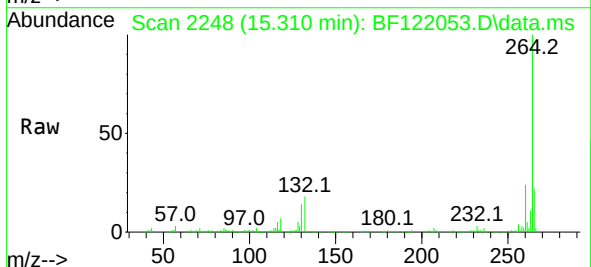
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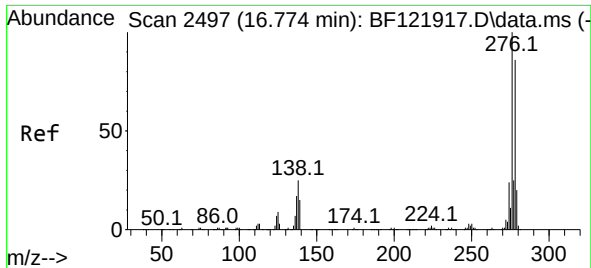
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.310 min Scan# 2248  
Delta R.T. -0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:264 Resp: 301381  
Ion Ratio Lower Upper  
264 100  
260 23.7 18.7 28.1  
265 21.6 17.3 25.9





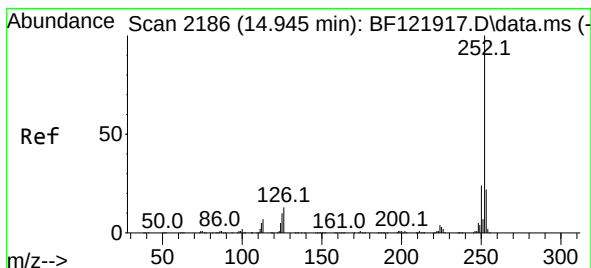
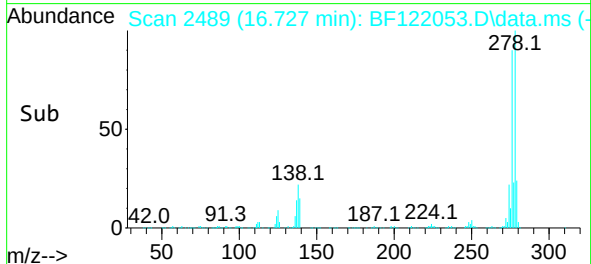
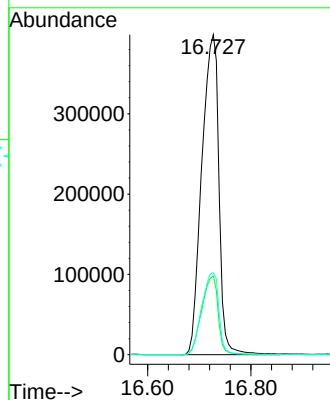
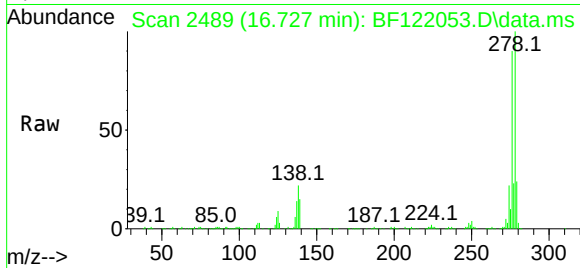
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 46.79 ng  
RT: 16.727 min Scan# 2489  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 276 Resp: 915579  
Ion Ratio Lower Upper  
276 100  
138 23.5 19.9 29.9  
277 25.6 20.4 30.6

Instrument :  
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ClientSampleId :  
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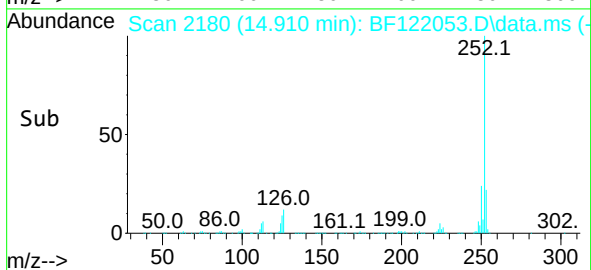
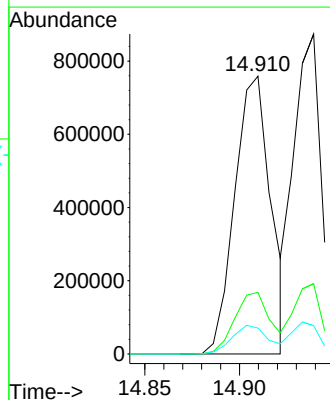
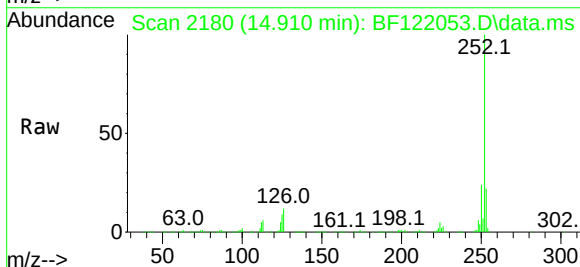
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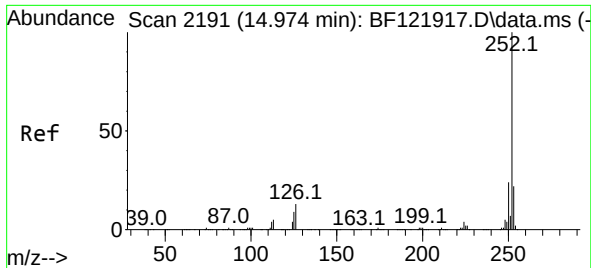
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#88  
Benzo(b)fluoranthene  
Concen: 49.30 ng  
RT: 14.910 min Scan# 2180  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion: 252 Resp: 1004356  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.2 27.2  
125 9.3 8.0 12.0





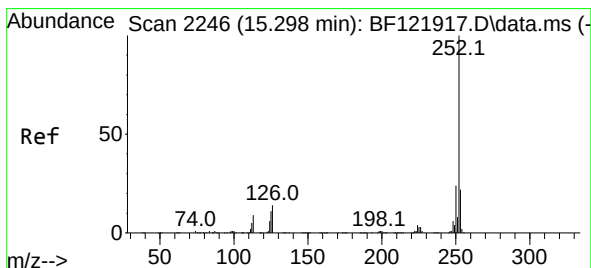
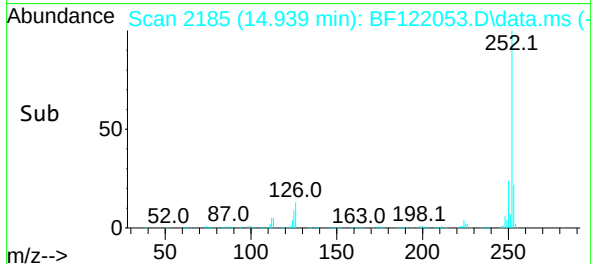
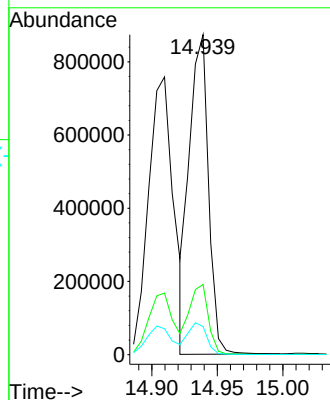
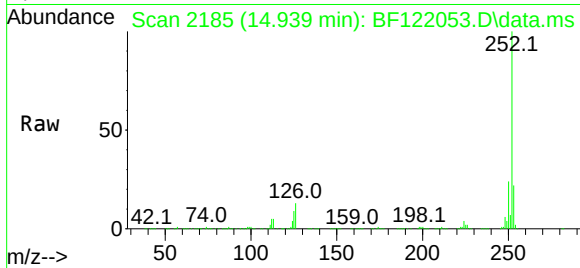
#89  
Benzo(k)fluoranthene  
Concen: 45.93 ng  
RT: 14.939 min Scan# 2185  
Delta R.T. 0.006 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:252 Resp: 888750  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 8.8 7.7 11.5

Instrument :  
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ClientSampleId :  
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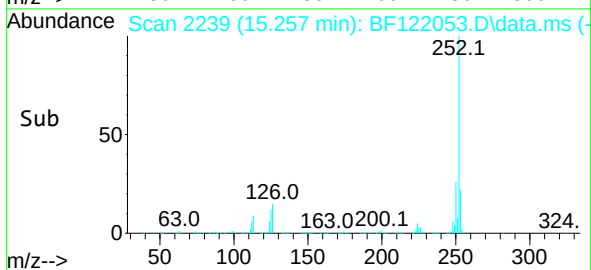
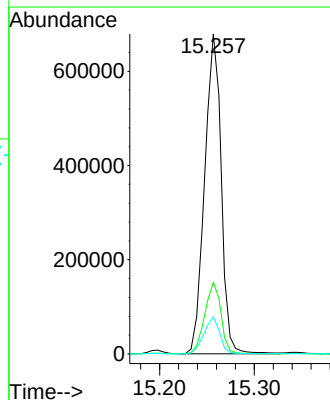
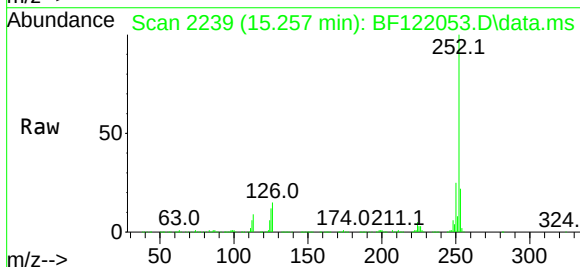
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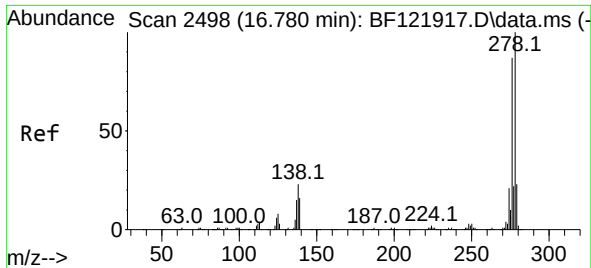


#90  
Benzo(a)pyrene  
Concen: 46.62 ng  
RT: 15.257 min Scan# 2239  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

Tgt Ion:252 Resp: 820356  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.3 25.9  
125 11.6 8.6 13.0

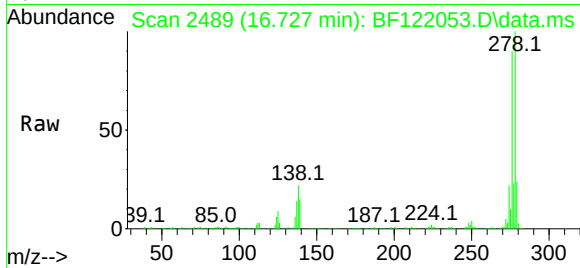






#91  
Dibenzo(a,h)anthracene  
Concen: 46.87 ng  
RT: 16.727 min Scan# 2489  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10

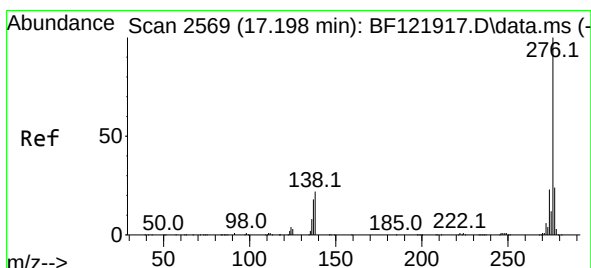
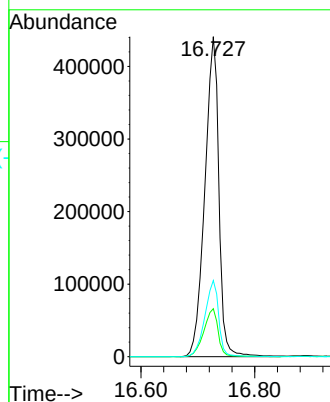
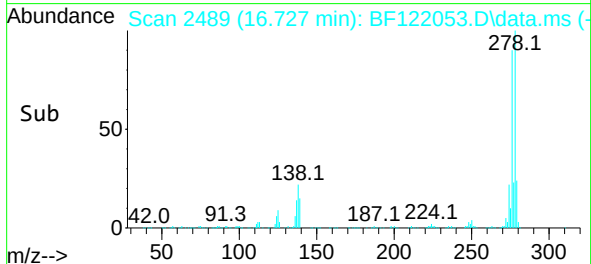
Instrument :  
BNA\_F  
ClientSampleId :  
OWLS-HEAD-BH-04-BMS



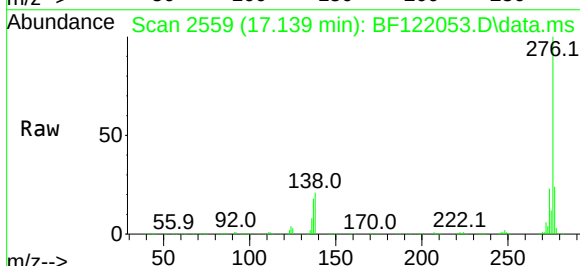
Tgt Ion:278 Resp: 755195  
Ion Ratio Lower Upper  
278 100  
139 15.0 13.0 19.4  
279 23.8 19.0 28.4

Manual Integrations  
APPROVED

mohammad  
10/22/2020 12:59:08 PM



#92  
Benzo(g,h,i)perylene  
Concen: 47.49 ng  
RT: 17.139 min Scan# 2559  
Delta R.T. 0.000 min  
Lab File: BF122053.D  
Acq: 21 Oct 2020 14:10



Tgt Ion:276 Resp: 765821  
Ion Ratio Lower Upper  
276 100  
277 23.9 19.4 29.2  
138 21.2 17.8 26.6

