

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF101420\  
 Data File : BF121958.D  
 Acq On : 14 Oct 2020 15:20  
 Operator : JU/CG  
 Sample : PB132357BSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB132357BSD

Manual Integrations  
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mohammad  
 10/15/2020 10:47:11 AM

Quant Time: Oct 14 17:09:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 12 16:22:33 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.745  | 152  | 121461   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.028  | 136  | 460346   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.781  | 164  | 231343   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.269 | 188  | 434022   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.910 | 240  | 336193   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.339 | 264  | 274416   | 20.00 | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.375  | 112  | 693454   | 84.26 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.393  | 99   | 862126   | 81.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.316  | 82   | 830027   | 92.47 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.575 | 330  | 246963   | 86.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.104  | 172  | 1374380  | 87.41 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.851 | 244  | 1576102  | 89.34 | ng    | -0.01    |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.534  | 88   | 158880   | 43.90 | ng    | 99       |
| 3) Pyridine                   | 3.257  | 79   | 330266   | 34.70 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.210  | 42   | 188759   | 41.04 | ng    | 98       |
| 6) Aniline                    | 6.410  | 93   | 385199   | 29.53 | ng    | # 42     |
| 8) 2-Chlorophenol             | 6.534  | 128  | 346055   | 41.60 | ng    | 97       |
| 9) Benzaldehyde               | 6.298  | 77   | 50140    | 5.84  | ng    | 98       |
| 10) Phenol                    | 6.410  | 94   | 432791   | 39.59 | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 6.481  | 93   | 337684   | 39.95 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.681  | 146  | 361972   | 38.69 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.763  | 146  | 369932   | 39.38 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.916  | 146  | 330463   | 38.48 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.898  | 79   | 273594   | 39.93 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.022  | 45   | 508943   | 39.13 | ng    | 74       |
| 17) 2-Methylphenol            | 7.016  | 107  | 282009   | 39.65 | ng    | # 92     |
| 18) Hexachloroethane          | 7.251  | 117  | 132934   | 39.18 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.163  | 70   | 240114   | 39.81 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.169  | 107  | 350607   | 40.88 | ng    | # 73     |
| 22) Acetophenone              | 7.157  | 105  | 451086   | 38.08 | ng    | 92       |
| 24) Nitrobenzene              | 7.334  | 77   | 372207   | 38.79 | ng    | 98       |
| 25) Isophorone                | 7.575  | 82   | 659723   | 38.87 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.651  | 139  | 179479   | 40.62 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.692  | 122  | 280627   | 37.26 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.781  | 93   | 412718   | 38.87 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.898  | 162  | 281312   | 39.89 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 7.969  | 180  | 291556   | 38.88 | ng    | 99       |
| 31) Naphthalene               | 8.051  | 128  | 954938   | 38.72 | ng    | 100      |
| 32) Benzoic acid              | 7.851  | 122  | 163890   | 39.66 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.104  | 127  | 341411   | 32.50 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.163  | 225  | 172273   | 38.74 | ng    | 99       |
| 35) Caprolactam               | 8.487  | 113  | 93078m   | 41.55 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.598  | 107  | 313041   | 41.32 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.739  | 142  | 623423   | 39.03 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.839  | 142  | 584478   | 39.52 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.910  | 216  | 287981   | 38.57 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.892  | 237  | 135814   | 64.57 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.028  | 196  | 186007   | 40.37 | ng    | 99       |

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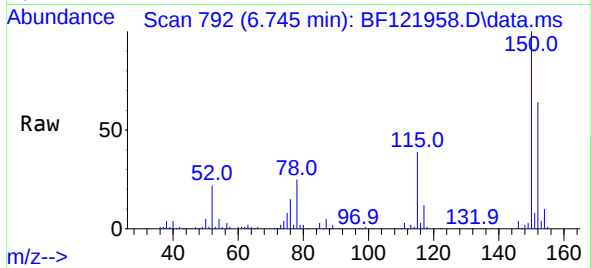
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.075  | 196  | 202133   | 40.63 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.204  | 154  | 732084   | 38.92 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.234  | 162  | 589313   | 40.29 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.334  | 65   | 211189   | 43.77 | ng    | 98       |
| 49) Acenaphthylene            | 9.645  | 152  | 894170   | 39.80 | ng    | 100      |
| 50) Dimethylphthalate         | 9.510  | 163  | 693581   | 41.00 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.575  | 165  | 155939   | 42.02 | ng    | 99       |
| 52) Acenaphthene              | 9.816  | 154  | 533370   | 39.91 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.745  | 138  | 149051   | 35.32 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.869  | 184  | 148033   | 78.37 | ng    | 100      |
| 55) Dibenzofuran              | 9.986  | 168  | 770521   | 39.43 | ng    | 97       |
| 56) 4-Nitrophenol             | 9.928  | 139  | 178873   | 77.91 | ng    | # 81     |
| 57) 2,4-Dinitrotoluene        | 9.986  | 165  | 194071   | 42.48 | ng    | # 85     |
| 58) Fluorene                  | 10.333 | 166  | 634327   | 40.28 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.116 | 232  | 176477   | 45.85 | ng    | 95       |
| 60) Diethylphthalate          | 10.204 | 149  | 661366   | 40.54 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.322 | 204  | 300462   | 39.79 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.363 | 138  | 179150   | 42.49 | ng    | 94       |
| 63) Azobenzene                | 10.481 | 77   | 708622   | 41.08 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.398 | 198  | 120299   | 41.98 | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.445 | 169  | 599383   | 40.09 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.810 | 248  | 199687   | 39.82 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.880 | 284  | 227903   | 40.16 | ng    | 95       |
| 69) Atrazine                  | 10.975 | 200  | 154972   | 42.39 | ng    | 97       |
| 70) Pentachlorophenol         | 11.080 | 266  | 168343   | 75.89 | ng    | 98       |
| 71) Phenanthrene              | 11.292 | 178  | 944128   | 39.67 | ng    | 100      |
| 72) Anthracene                | 11.345 | 178  | 974891   | 39.50 | ng    | 100      |
| 73) Carbazole                 | 11.504 | 167  | 891993   | 40.64 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.827 | 149  | 1002497  | 39.70 | ng    | 99       |
| 75) Fluoranthene              | 12.480 | 202  | 1035633  | 40.59 | ng    | 98       |
| 77) Benzidine                 | 12.604 | 184  | 369484   | 35.65 | ng    | 99       |
| 78) Pyrene                    | 12.710 | 202  | 1033919  | 40.36 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.322 | 149  | 427685   | 42.09 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.898 | 228  | 910501   | 41.33 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.857 | 252  | 310128   | 37.95 | ng    | 99       |
| 83) Chrysene                  | 13.933 | 228  | 886227   | 40.98 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.880 | 149  | 575146   | 41.70 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.492 | 149  | 950796   | 42.61 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 16.762 | 276  | 743868   | 41.75 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.933 | 252  | 830906   | 44.79 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.963 | 252  | 760863   | 43.18 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.286 | 252  | 704649   | 43.98 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.762 | 278  | 611269   | 41.67 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.180 | 276  | 609607   | 41.52 | ng    | 98       |

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

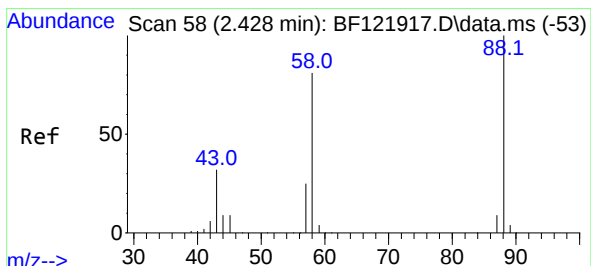
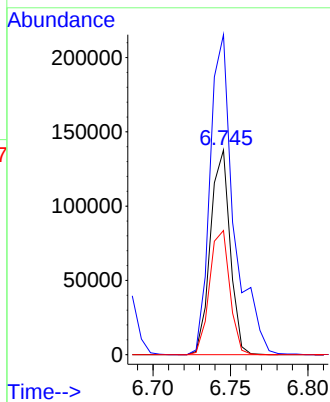
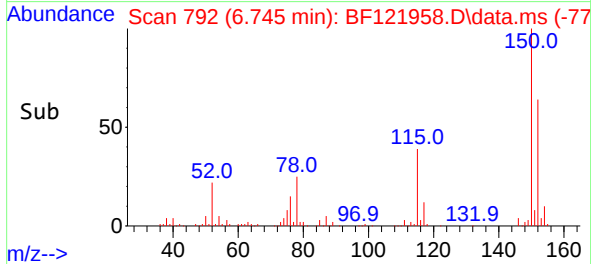




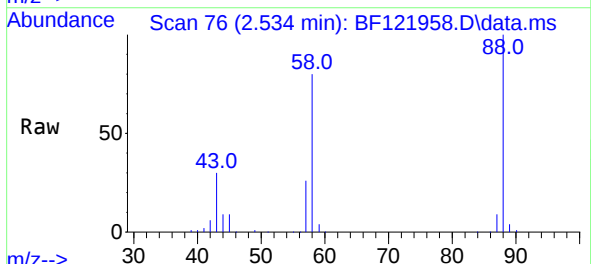
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.745 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



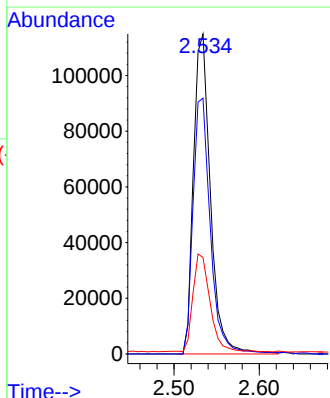
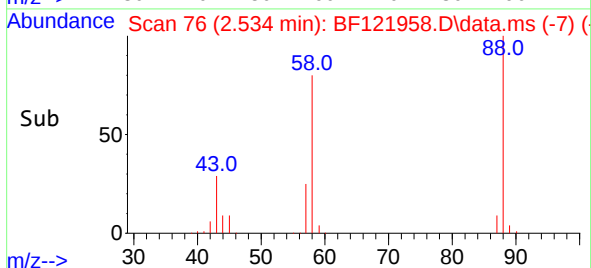
Tgt Ion:152 Resp: 121461  
Ion Ratio Lower Upper  
152 100  
150 156.3 125.3 187.9  
115 60.7 51.9 77.9



#2  
1,4-Dioxane  
Concen: 43.90 ng  
RT: 2.534 min Scan# 76  
Delta R.T. 0.106 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



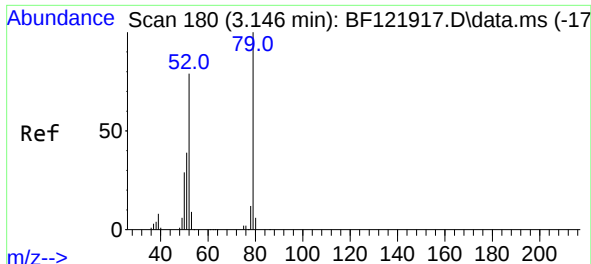
Tgt Ion: 88 Resp: 158880  
Ion Ratio Lower Upper  
88 100  
58 81.9 65.8 98.8  
43 30.8 25.8 38.8



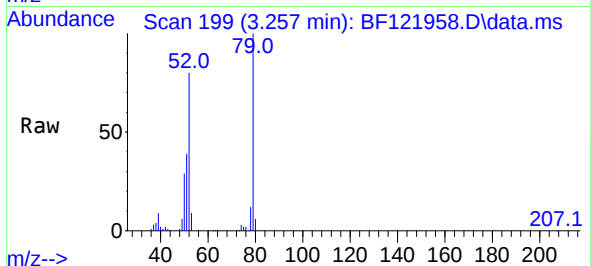
Instrument :  
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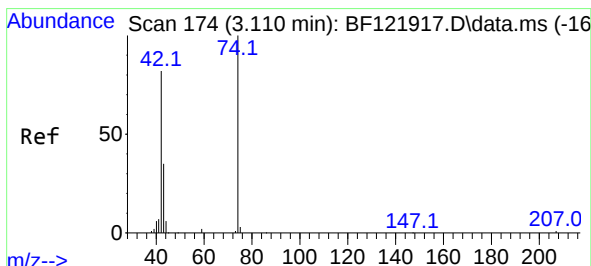
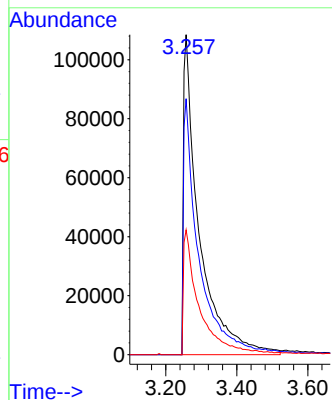
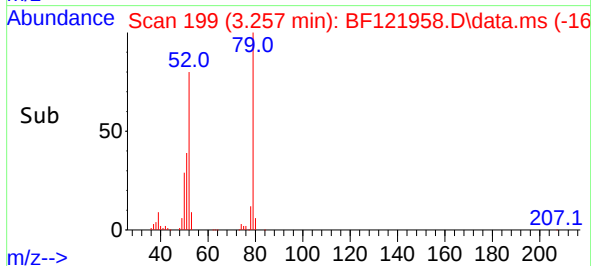
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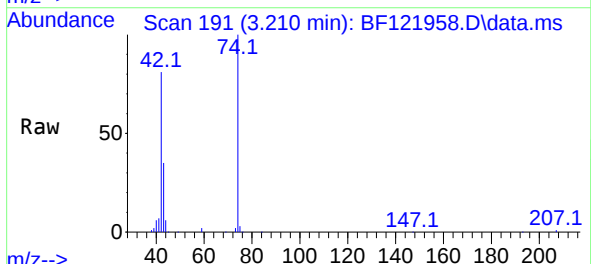
#3  
Pyridine  
Concen: 34.70 ng  
RT: 3.257 min Scan# 199  
Delta R.T. 0.112 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



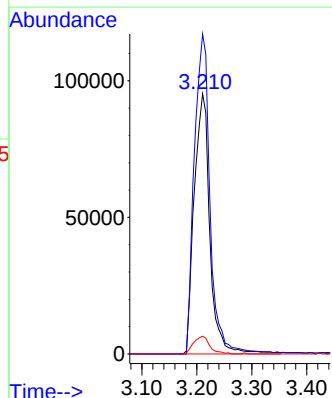
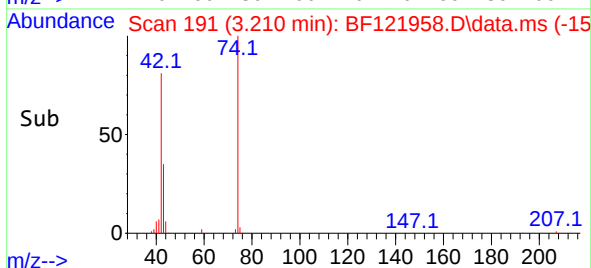
Tgt Ion: 79 Resp: 330266  
Ion Ratio Lower Upper  
79 100  
52 80.0 62.2 93.4  
51 39.0 31.1 46.7



#4  
n-Nitrosodimethylamine  
Concen: 41.04 ng  
RT: 3.210 min Scan# 191  
Delta R.T. 0.100 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion: 42 Resp: 188759  
Ion Ratio Lower Upper  
42 100  
74 123.0 100.2 150.2  
44 6.8 5.8 8.6



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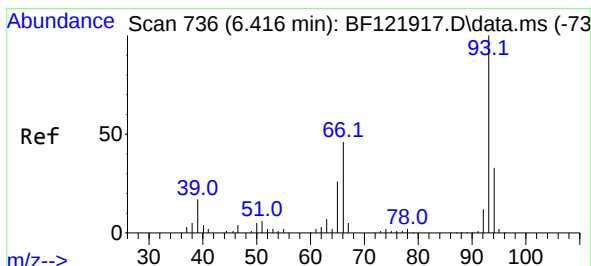
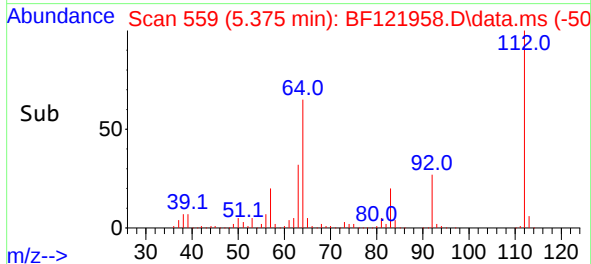
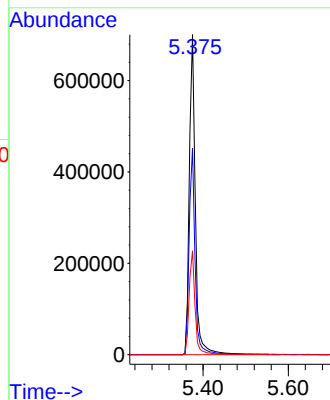
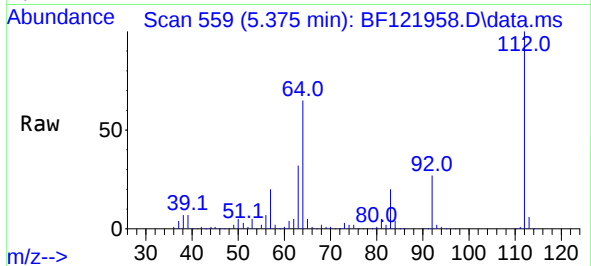
#5  
2-Fluorophenol  
Concen: 84.26 ng  
RT: 5.375 min Scan# 559  
Delta R.T. 0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 112 Resp: 693454  
Ion Ratio Lower Upper  
112 100  
64 64.5 50.4 75.6  
63 32.5 25.8 38.6

Instrument :  
BNA\_F  
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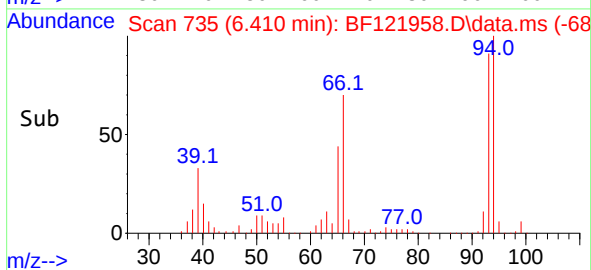
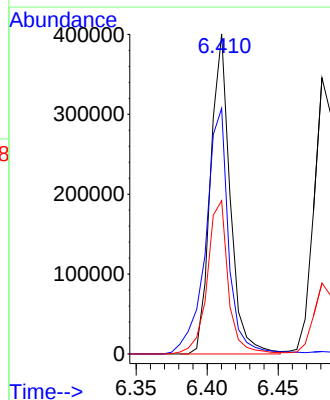
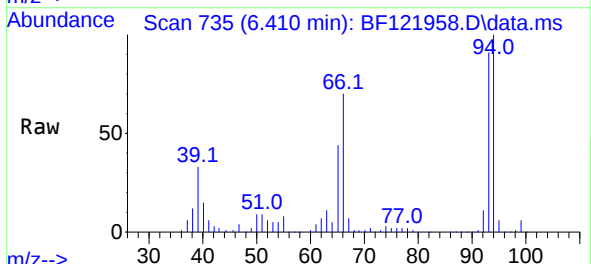
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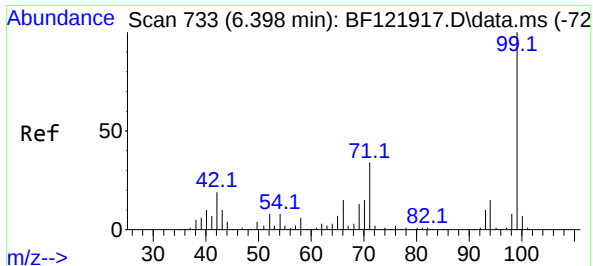
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#6  
Aniline  
Concen: 29.53 ng  
RT: 6.410 min Scan# 735  
Delta R.T. -0.006 min  
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Tgt Ion: 93 Resp: 385199  
Ion Ratio Lower Upper  
93 100  
66 76.8 32.7 49.1#  
65 47.9 16.6 24.8#





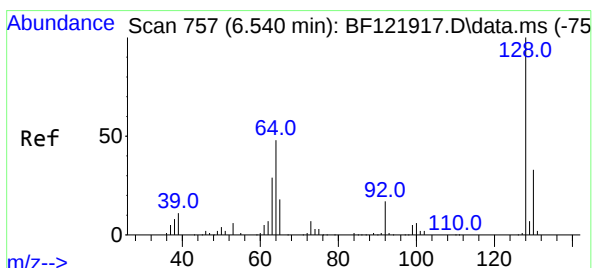
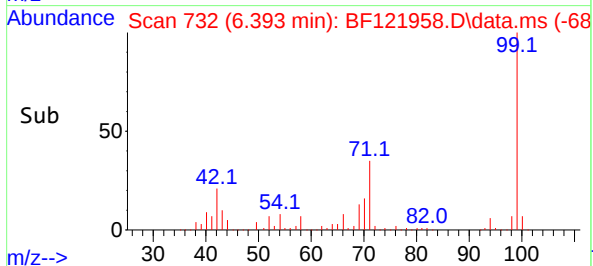
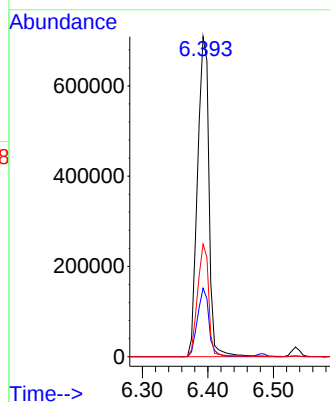
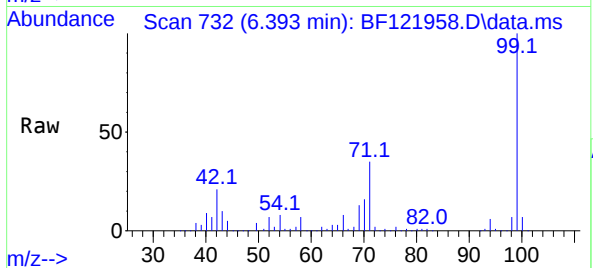
#7  
Phenol-d6  
Concen: 81.38 ng  
RT: 6.393 min Scan# 732  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 99 Resp: 862126  
Ion Ratio Lower Upper  
99 100  
42 21.4 15.9 23.9  
71 35.2 27.1 40.7

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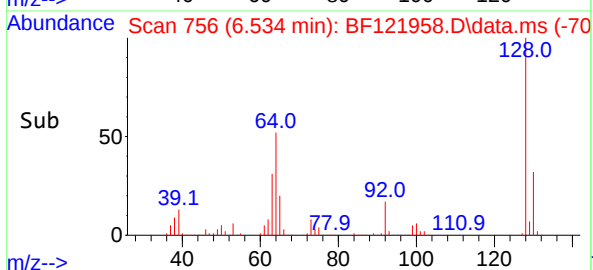
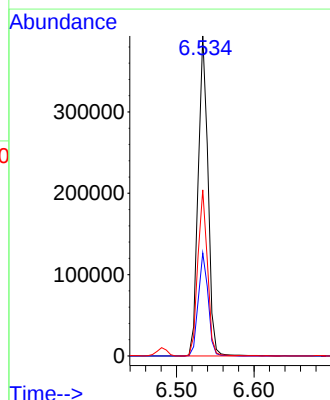
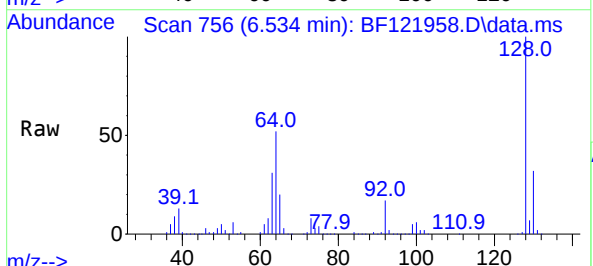
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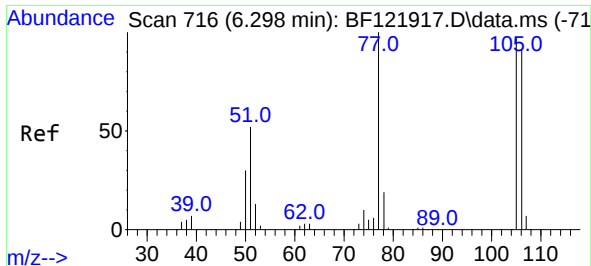
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#8  
2-Chlorophenol  
Concen: 41.60 ng  
RT: 6.534 min Scan# 756  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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Tgt Ion: 128 Resp: 346055  
Ion Ratio Lower Upper  
128 100  
130 32.2 12.4 52.4  
64 51.9 34.8 74.8





#9  
Benzaldehyde  
Concen: 5.84 ng  
RT: 6.298 min Scan# 716  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
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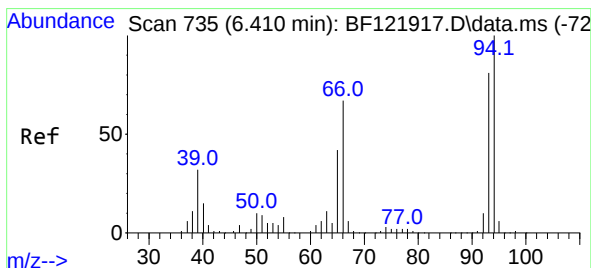
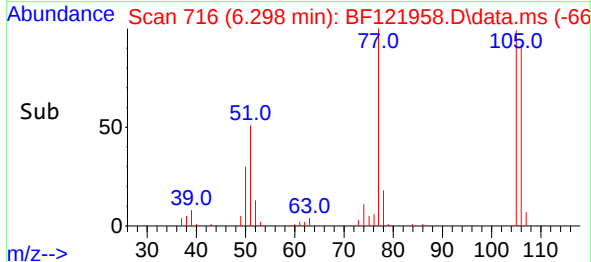
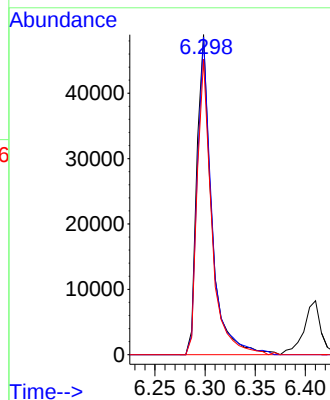
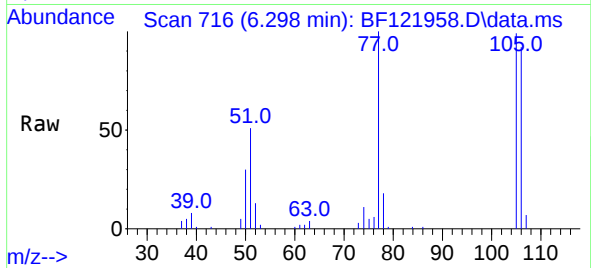
Tgt Ion: 77 Resp: 50140

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 99.2  | 76.7  | 116.7 |
| 106 | 92.2  | 71.3  | 111.3 |

Instrument :  
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ClientSampleId :  
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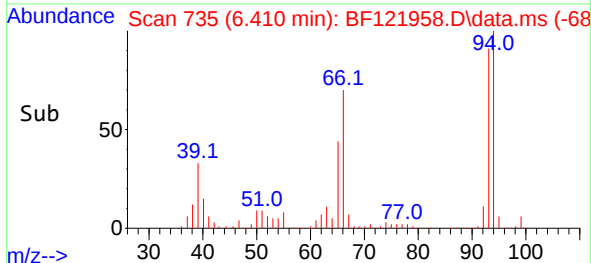
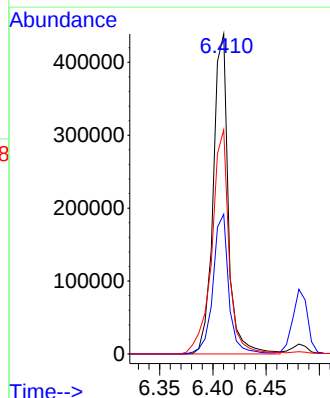
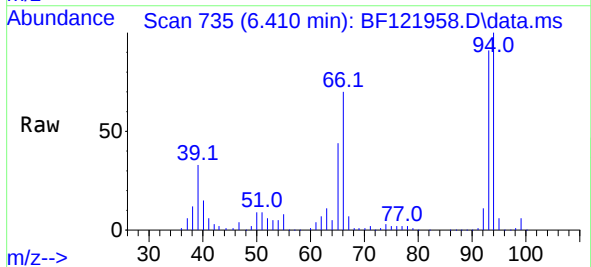
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#10  
Phenol  
Concen: 39.59 ng  
RT: 6.410 min Scan# 735  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

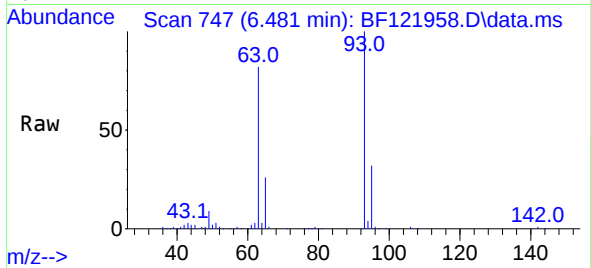
Tgt Ion: 94 Resp: 432791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 43.7  | 17.1  | 57.1  |
| 66  | 70.1  | 36.0  | 76.0  |



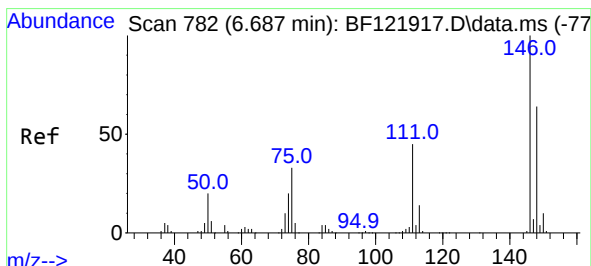
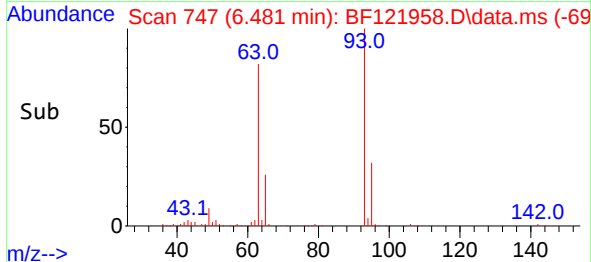
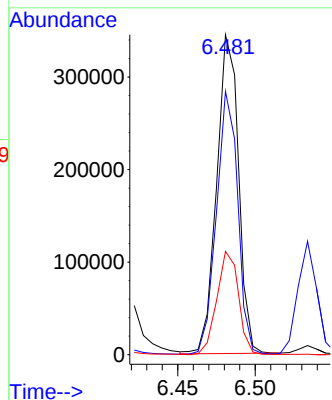


#11  
bis(2-Chloroethyl)ether  
Concen: 39.95 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

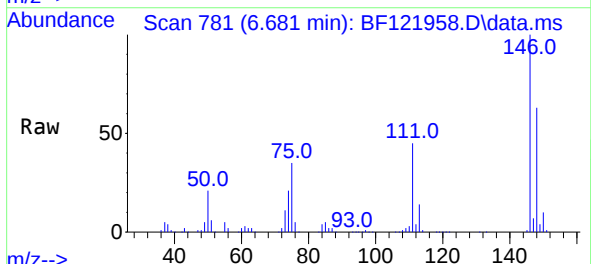


Tgt Ion: 93 Resp: 337684

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 82.3  | 62.4  | 102.4 |
| 95  | 32.3  | 12.6  | 52.6  |

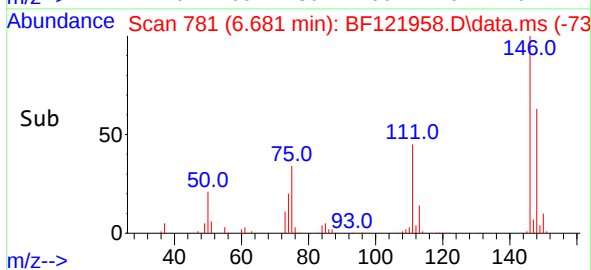
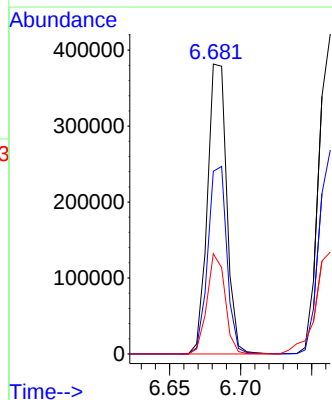


#12  
1,3-Dichlorobenzene  
Concen: 38.69 ng  
RT: 6.681 min Scan# 781  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion: 146 Resp: 361972

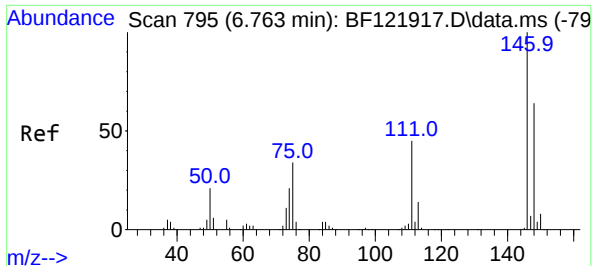
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 63.1  | 51.0  | 76.4  |
| 75  | 34.6  | 27.6  | 41.4  |



Instrument :  
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ClientSampleId :  
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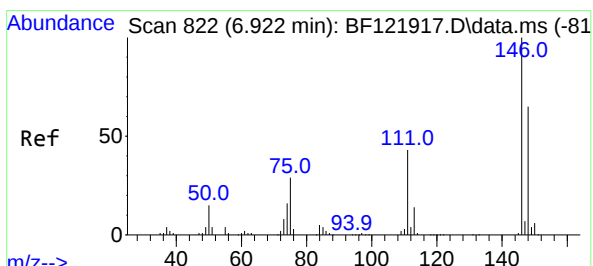
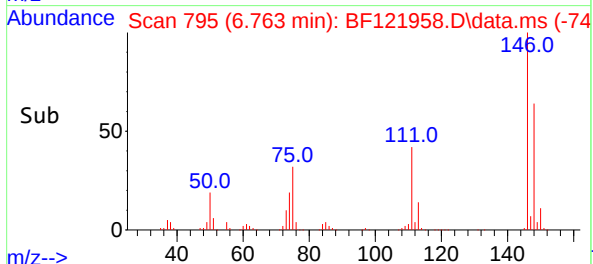
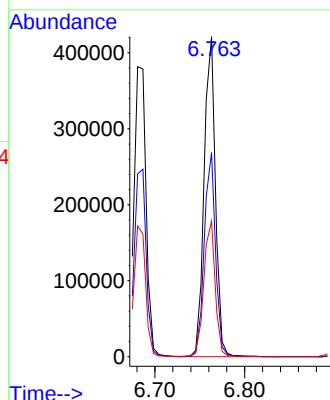
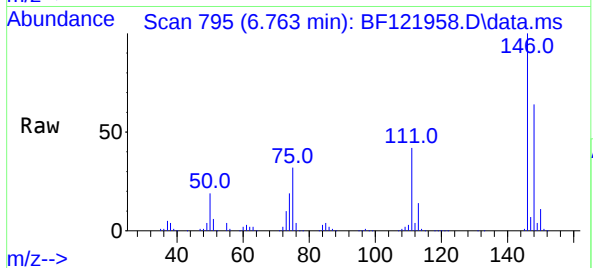
#13  
1,4-Dichlorobenzene  
Concen: 39.38 ng  
RT: 6.763 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:146 Resp: 369932  
Ion Ratio Lower Upper  
146 100  
148 63.8 50.1 75.1  
111 42.3 34.6 52.0

Instrument :  
BNA\_F  
ClientSampleId :  
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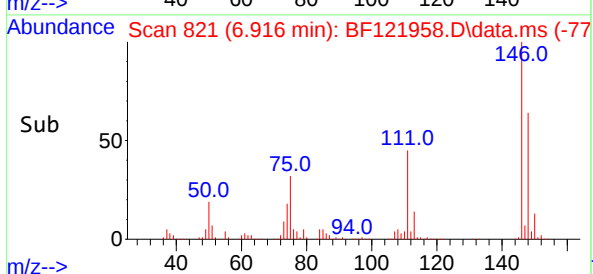
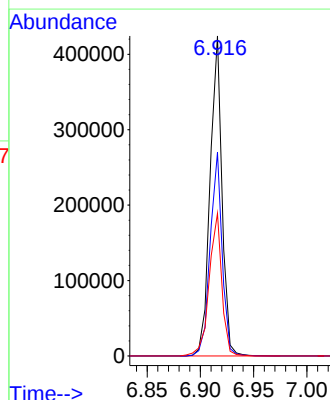
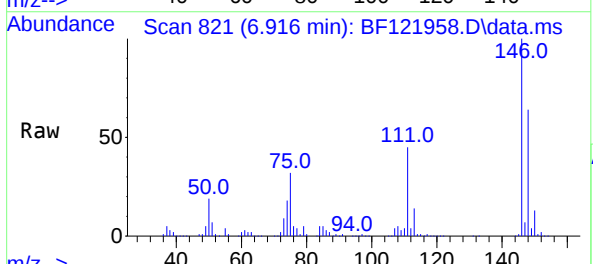
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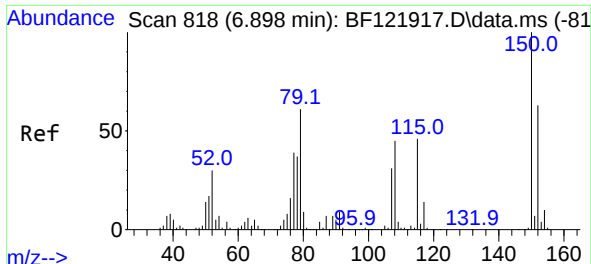
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#14  
1,2-Dichlorobenzene  
Concen: 38.48 ng  
RT: 6.916 min Scan# 821  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

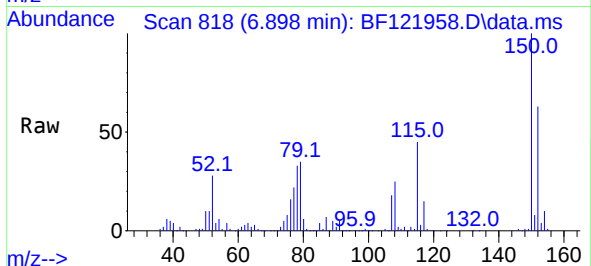
Tgt Ion:146 Resp: 330463  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.1 76.7  
111 44.6 34.2 51.4





#15  
Benzyl Alcohol  
Concen: 39.93 ng  
RT: 6.898 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

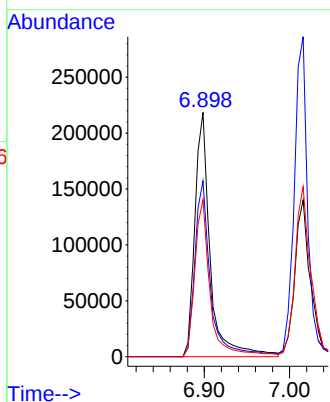
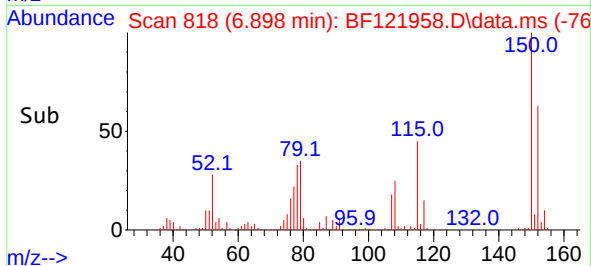
Instrument :  
BNA\_F  
ClientSampleId :  
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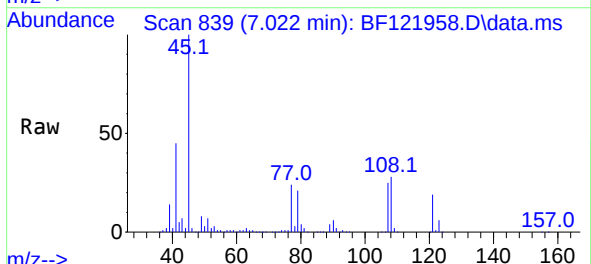
Tgt Ion: 79 Resp: 273594  
Ion Ratio Lower Upper  
79 100  
108 71.9 62.3 93.5  
77 64.3 50.6 75.8

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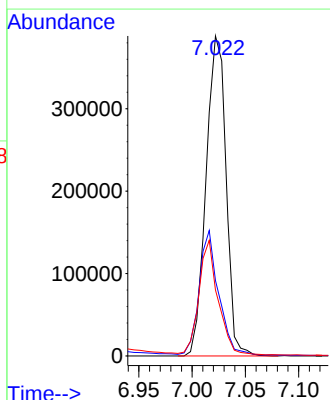
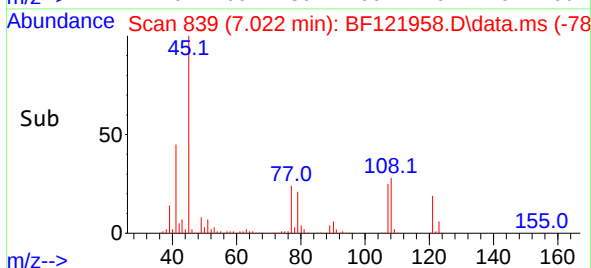
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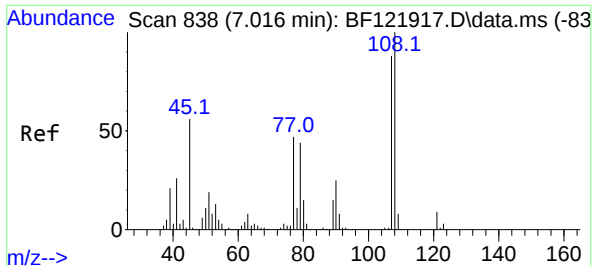


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.13 ng  
RT: 7.022 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

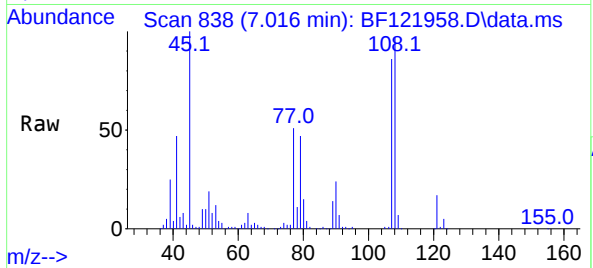


Tgt Ion: 45 Resp: 508943  
Ion Ratio Lower Upper  
45 100  
77 23.6 0.0 33.3  
79 20.6 0.0 30.4



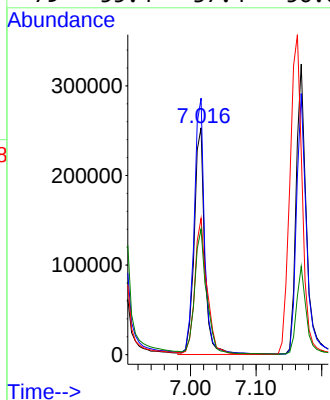


#17  
2-Methylphenol  
Concen: 39.65 ng  
RT: 7.016 min Scan# 838  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:107 Resp: 282009

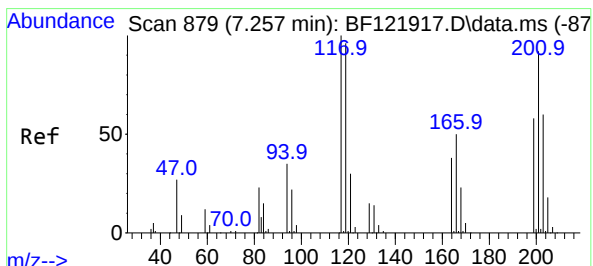
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 108 | 113.0 | 90.9  | 136.3 |
| 77  | 60.1  | 37.5  | 56.3# |
| 79  | 55.4  | 37.4  | 56.0  |



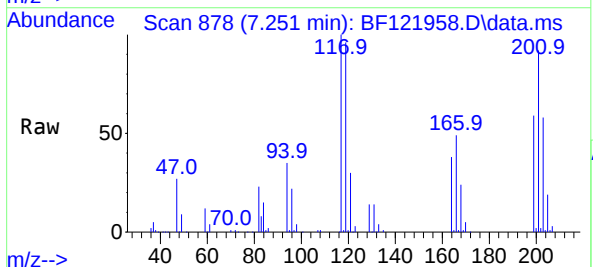
Instrument :  
BNA\_F  
ClientSampleId :  
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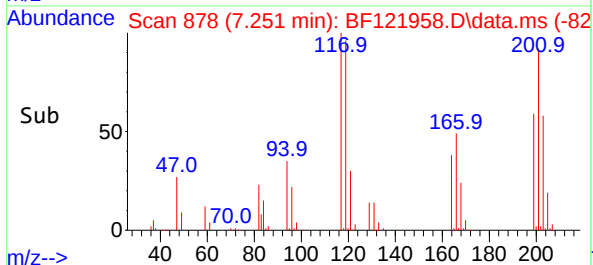
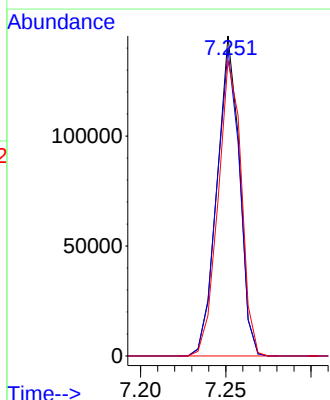


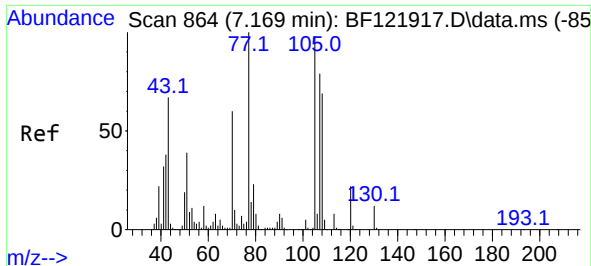
#18  
Hexachloroethane  
Concen: 39.18 ng  
RT: 7.251 min Scan# 878  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



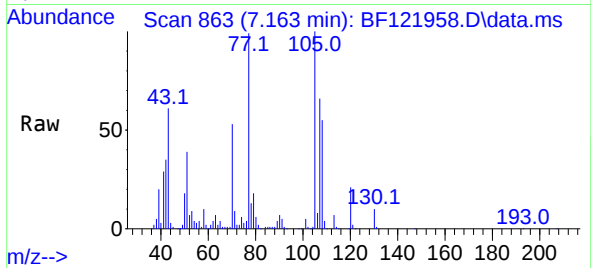
Tgt Ion:117 Resp: 132934

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 95.8  | 76.3  | 114.5 |
| 201 | 92.3  | 71.8  | 107.6 |

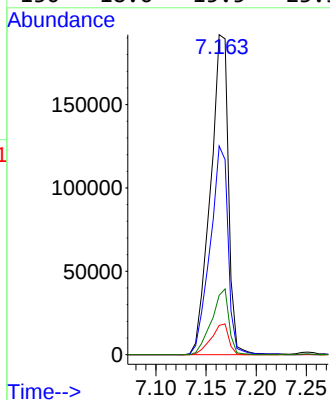




#19  
n-Nitroso-di-n-propylamine  
Concen: 39.81 ng  
RT: 7.163 min Scan# 863  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



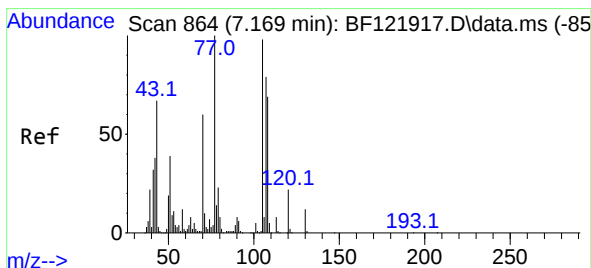
Tgt Ion: 70 Resp: 240114  
Ion Ratio Lower Upper  
70 100  
42 65.2 50.2 75.4  
101 9.2 7.5 11.3  
130 18.6 15.5 23.3



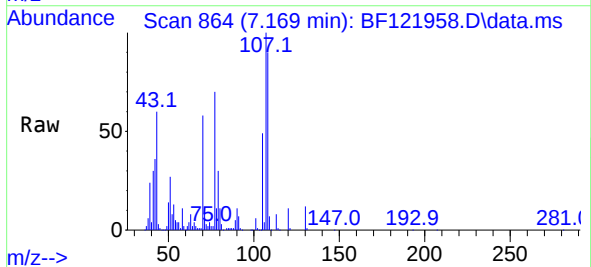
Instrument :  
BNA\_F  
ClientSampleId :  
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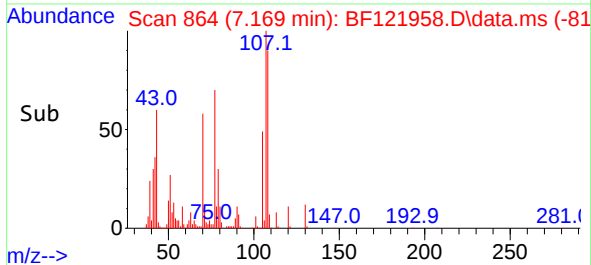
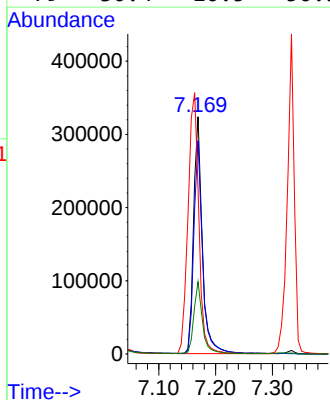
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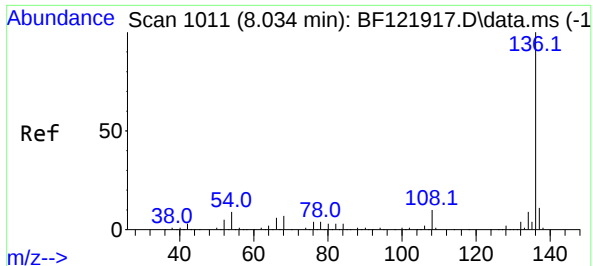


#20  
3+4-Methylphenols  
Concen: 40.88 ng  
RT: 7.169 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

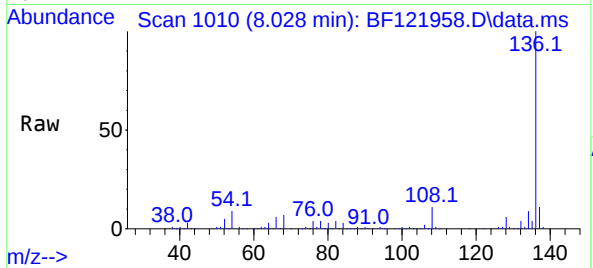


Tgt Ion: 107 Resp: 350607  
Ion Ratio Lower Upper  
107 100  
108 89.9 68.9 108.9  
77 69.6 108.0 148.0#  
79 30.4 10.5 50.5



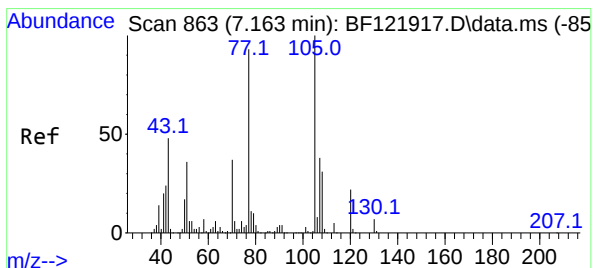
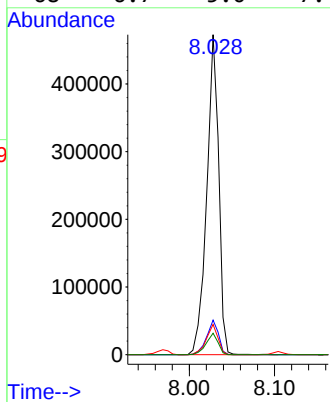
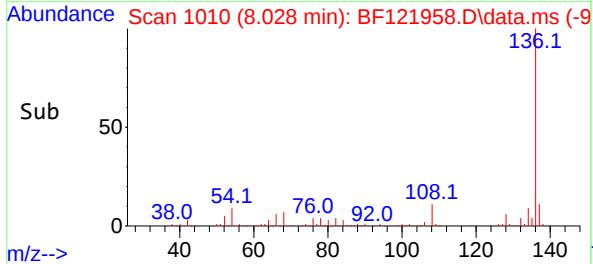


#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

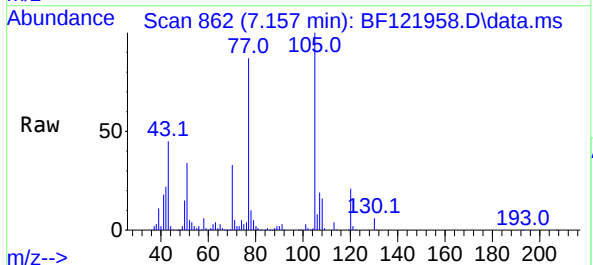


Tgt Ion:136 Resp: 460346

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.6   | 13.0  |
| 54  | 9.5   | 7.1   | 10.7  |
| 68  | 6.7   | 5.0   | 7.4   |

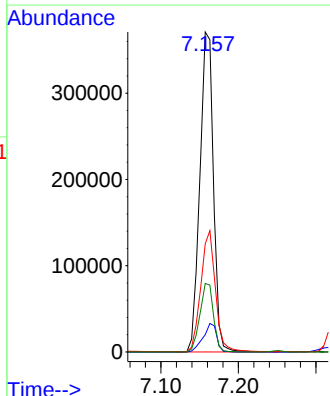
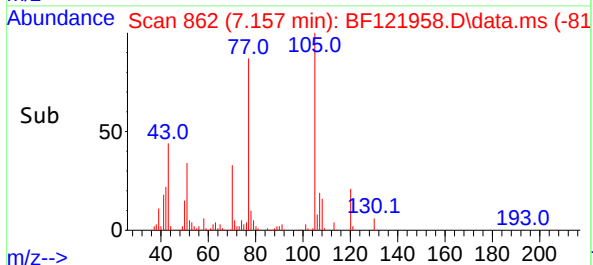


#22  
Acetophenone  
Concen: 38.08 ng  
RT: 7.157 min Scan# 862  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:105 Resp: 451086

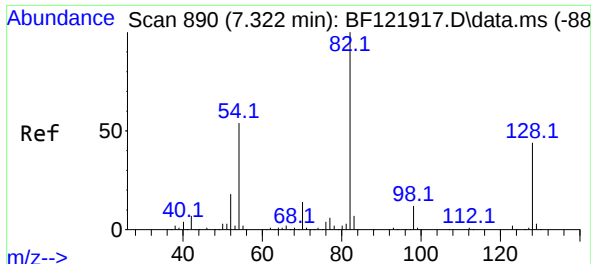
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 71  | 5.4   | 5.3   | 7.9   |
| 51  | 33.8  | 33.2  | 49.8  |
| 120 | 21.4  | 17.4  | 26.0  |



Instrument :  
BNA\_F  
ClientSampleId :  
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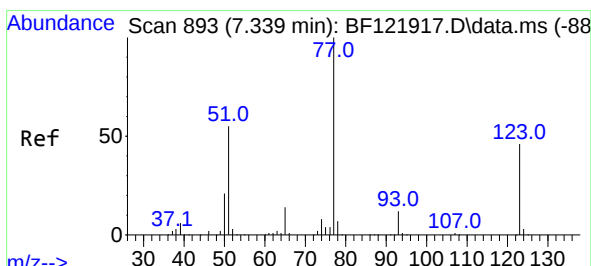
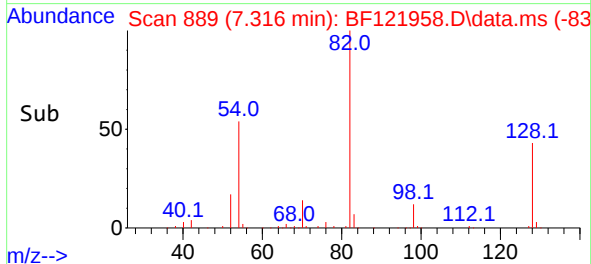
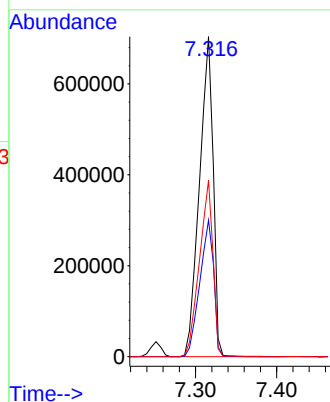
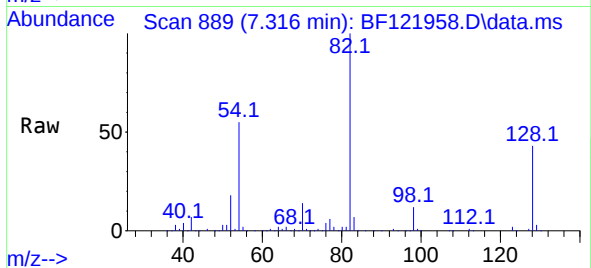
#23  
Nitrobenzene-d5  
Concen: 92.47 ng  
RT: 7.316 min Scan# 889  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 82 Resp: 830027  
Ion Ratio Lower Upper  
82 100  
128 42.7 35.0 52.4  
54 55.1 43.9 65.9

Instrument :  
BNA\_F  
ClientSampleId :  
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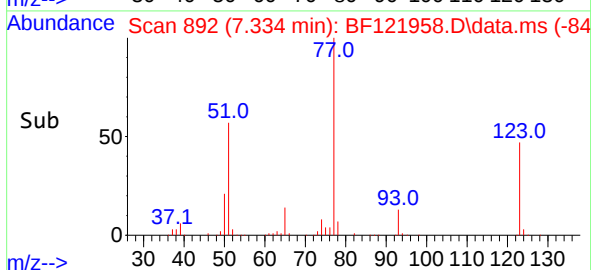
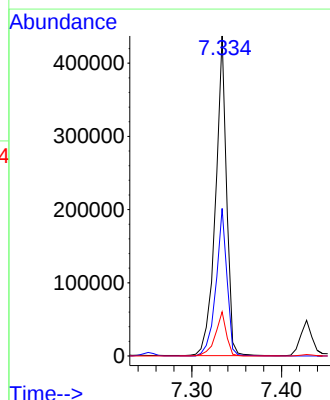
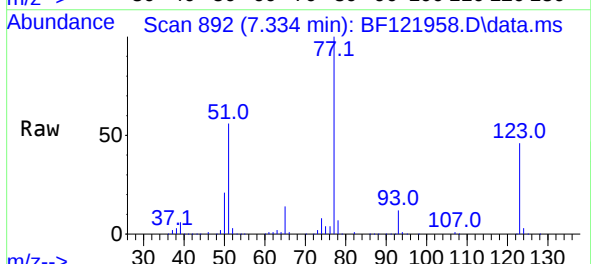
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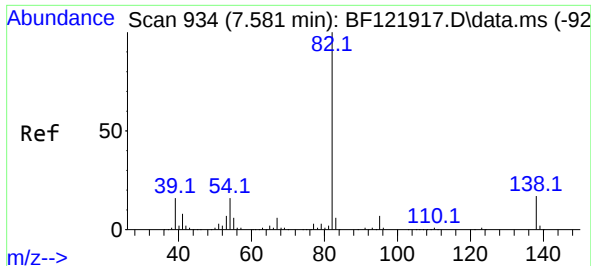
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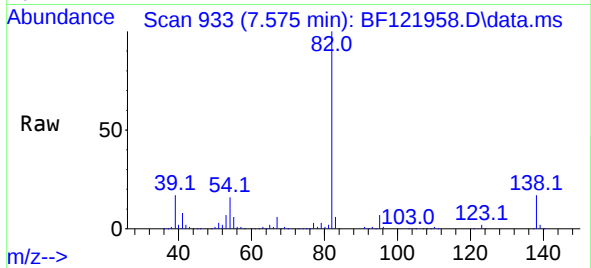
#24  
Nitrobenzene  
Concen: 38.79 ng  
RT: 7.334 min Scan# 892  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 77 Resp: 372207  
Ion Ratio Lower Upper  
77 100  
123 46.1 35.6 53.4  
65 13.8 11.2 16.8

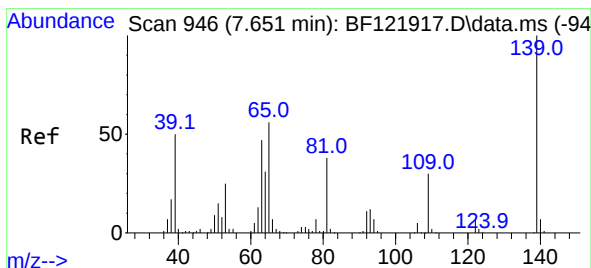
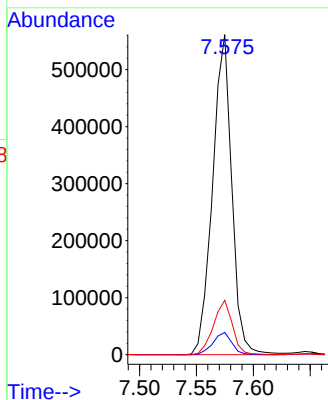
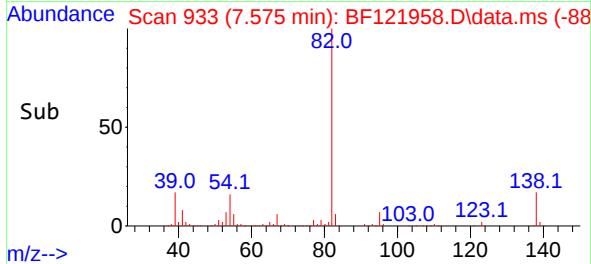




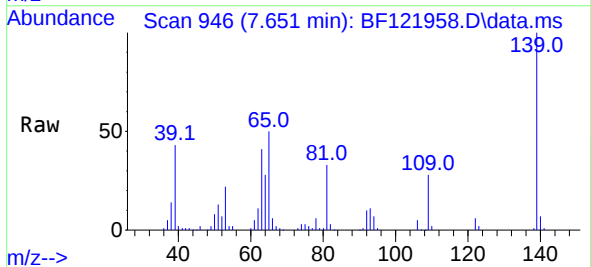
#25  
Isophorone  
Concen: 38.87 ng  
RT: 7.575 min Scan# 933  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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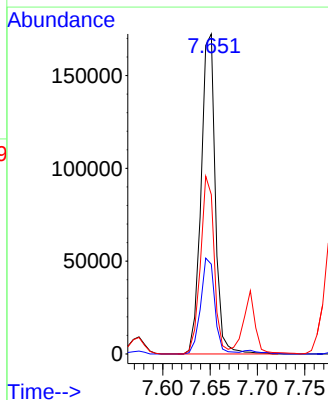
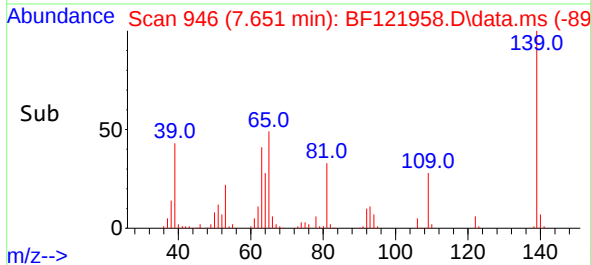
Tgt Ion: 82 Resp: 659723  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.4 8.0  
138 17.0 13.4 20.0



#26  
2-Nitrophenol  
Concen: 40.62 ng  
RT: 7.651 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



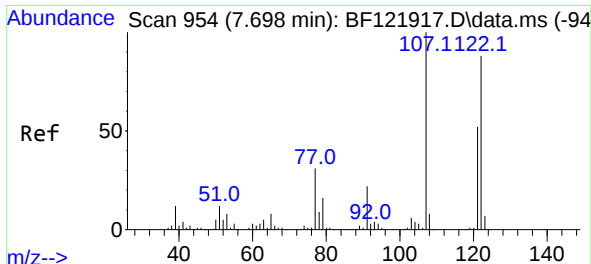
Tgt Ion: 139 Resp: 179479  
Ion Ratio Lower Upper  
139 100  
109 28.0 23.0 34.4  
65 49.8 39.9 59.9



Instrument :  
BNA\_F  
ClientSampleId :  
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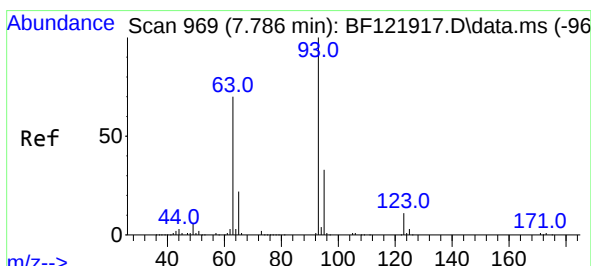
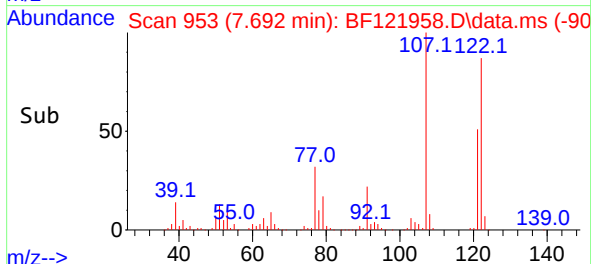
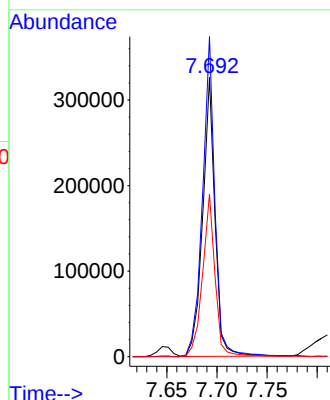
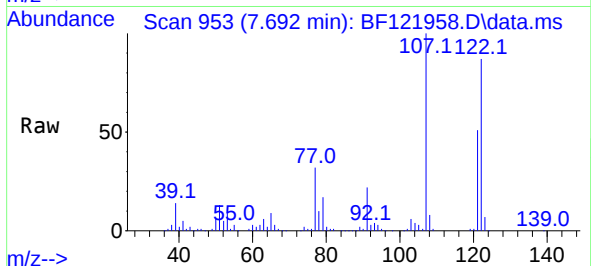
#27  
2,4-Dimethylphenol  
Concen: 37.26 ng  
RT: 7.692 min Scan# 953  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 280627 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 114.6 | 90.8  | 136.2  |
| 121      | 58.3  | 47.5  | 71.3   |

Instrument :  
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ClientSampleId :  
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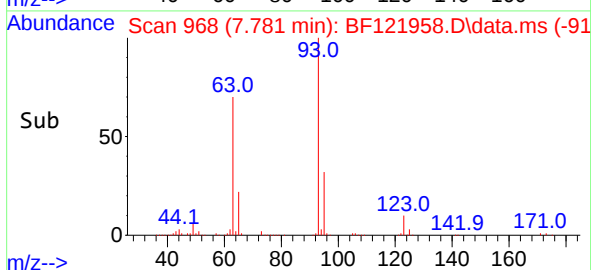
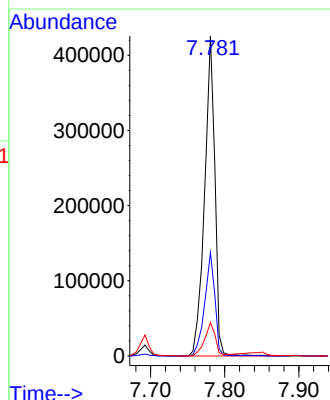
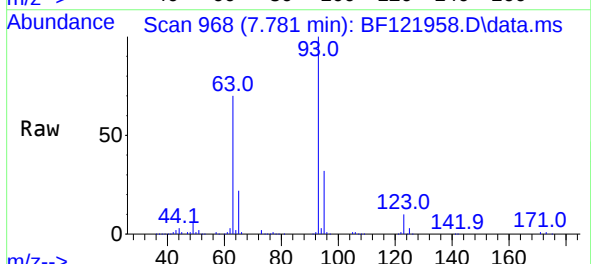
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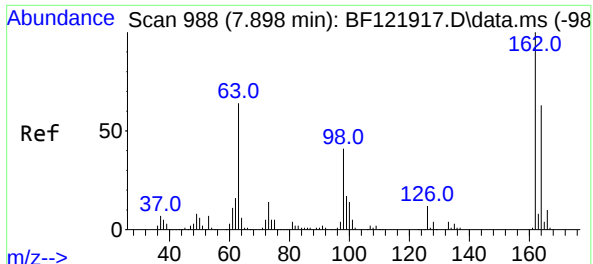
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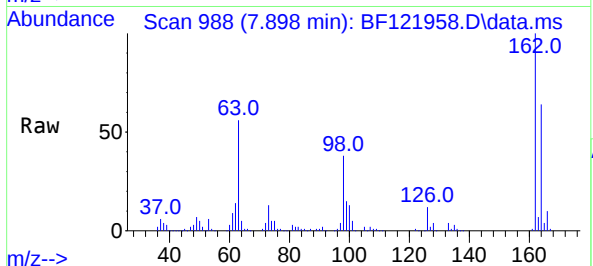
#28  
bis(2-Chloroethoxy)methane  
Concen: 38.87 ng  
RT: 7.781 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 412718 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 32.4  | 26.2  | 39.4   |
| 123      | 10.5  | 8.8   | 13.2   |

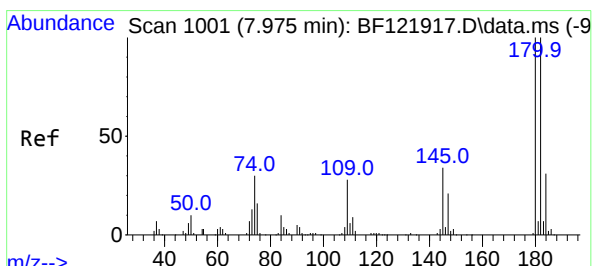
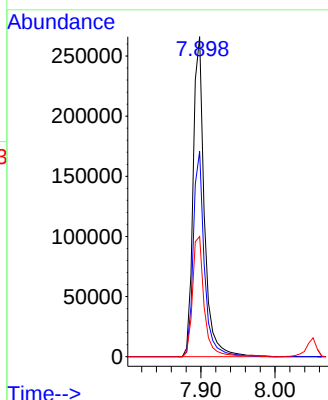
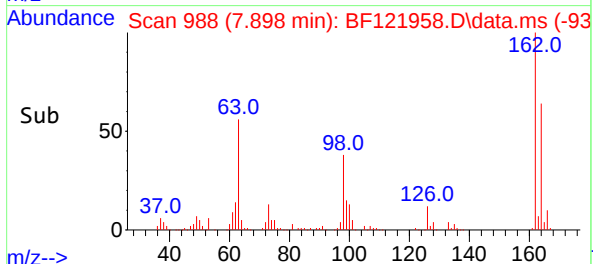




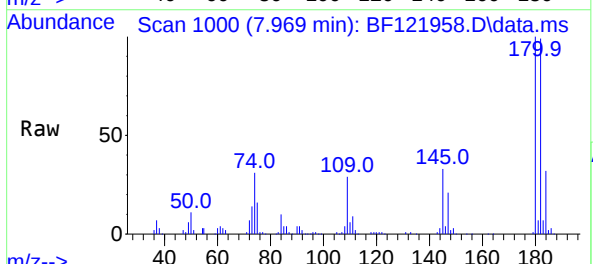
#29  
2,4-Dichlorophenol  
Concen: 39.89 ng  
RT: 7.898 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
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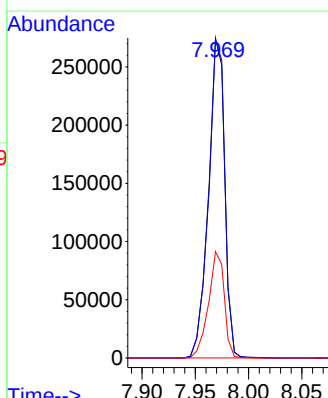
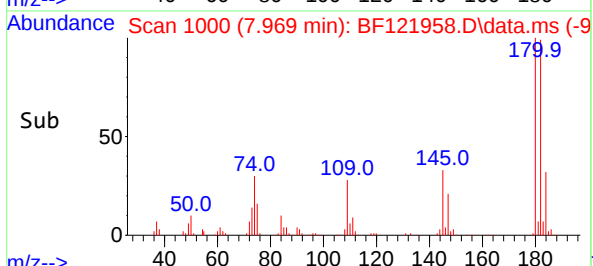
Tgt Ion:162 Resp: 281312  
Ion Ratio Lower Upper  
162 100  
164 64.1 42.5 82.5  
98 37.5 20.1 60.1



#30  
1,2,4-Trichlorobenzene  
Concen: 38.88 ng  
RT: 7.969 min Scan# 1000  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



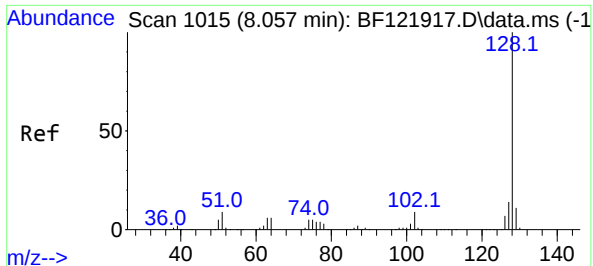
Tgt Ion:180 Resp: 291556  
Ion Ratio Lower Upper  
180 100  
182 99.3 79.4 119.2  
145 33.2 25.5 38.3



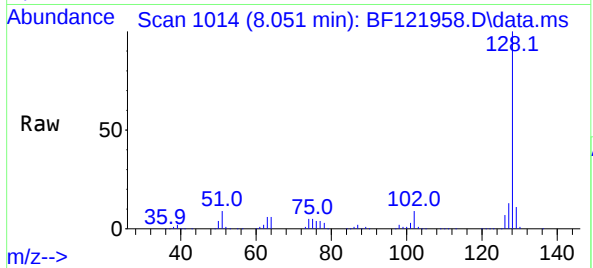
Instrument :  
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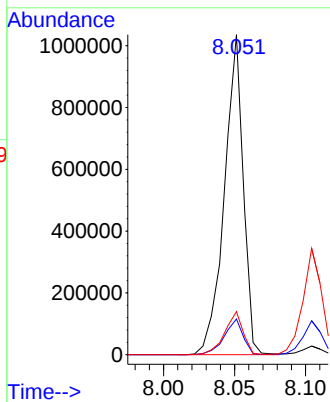
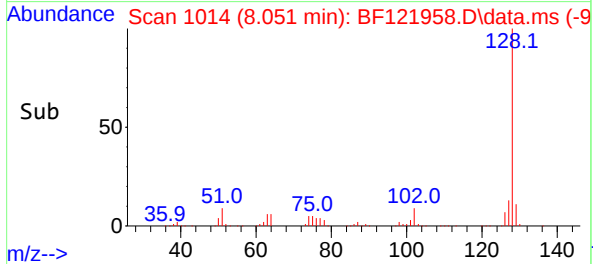
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#31  
Naphthalene  
Concen: 38.72 ng  
RT: 8.051 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



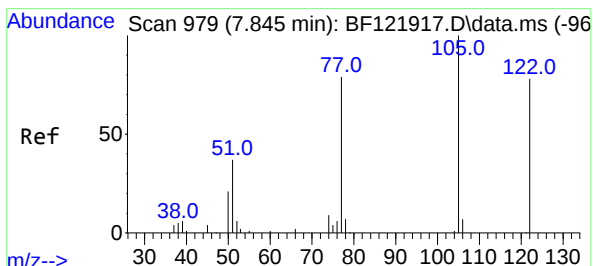
Tgt Ion:128 Resp: 954938  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 13.5 10.8 16.2



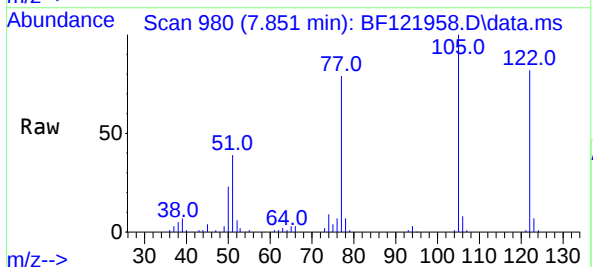
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

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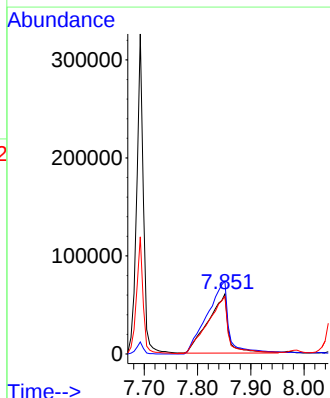
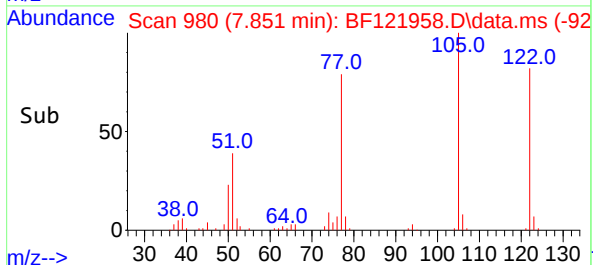
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#32  
Benzoic acid  
Concen: 39.66 ng  
RT: 7.851 min Scan# 980  
Delta R.T. 0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:122 Resp: 163890  
Ion Ratio Lower Upper  
122 100  
105 121.5 103.3 143.3  
77 96.0 73.9 113.9





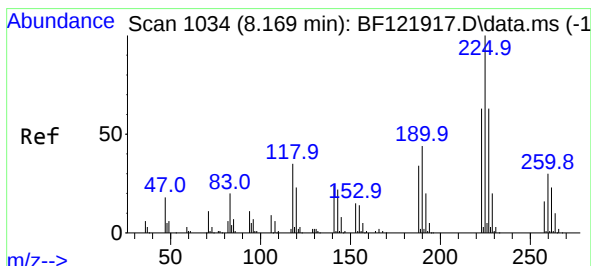
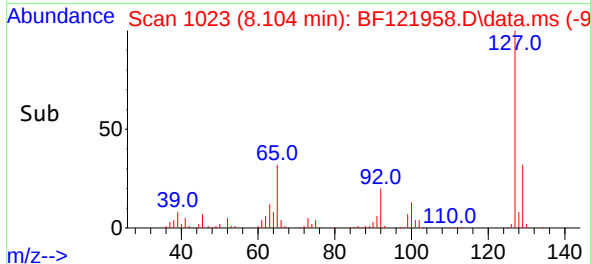
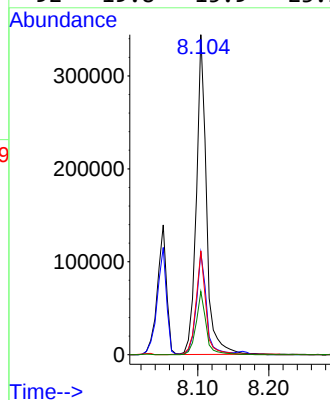
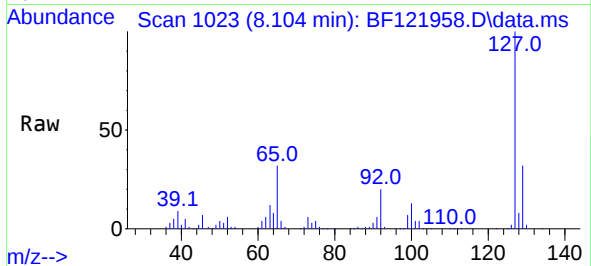
#33  
4-Chloroaniline  
Concen: 32.50 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 341411 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.9  | 26.3  | 39.5   |
| 65       | 32.5  | 26.2  | 39.2   |
| 92       | 19.8  | 15.9  | 23.9   |

Instrument :  
BNA\_F  
ClientSampleId :  
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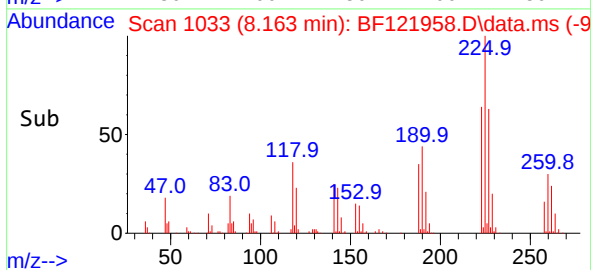
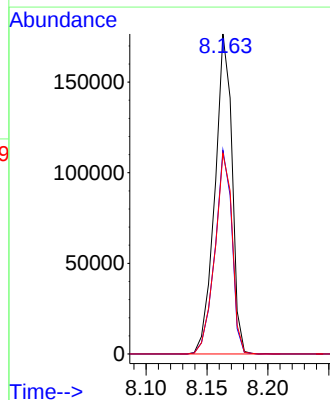
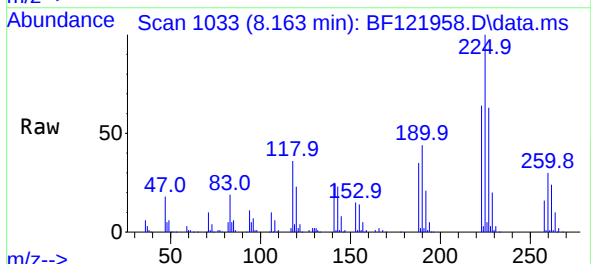
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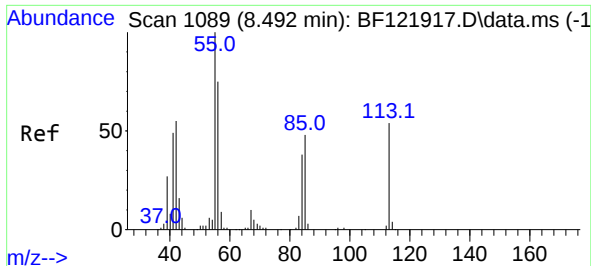
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#34  
Hexachlorobutadiene  
Concen: 38.74 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 172273 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 63.6  | 51.1  | 76.7   |
| 227      | 62.7  | 51.0  | 76.6   |





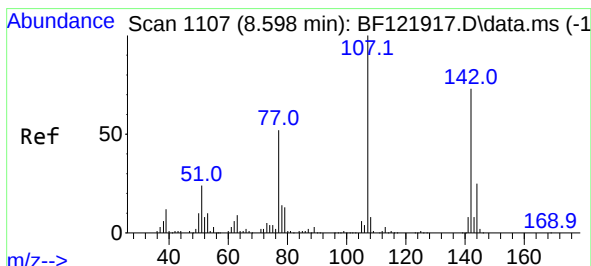
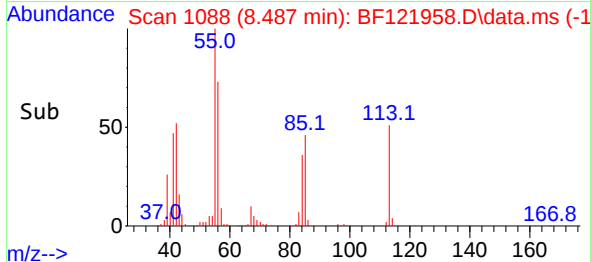
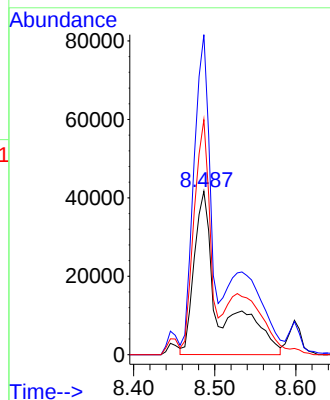
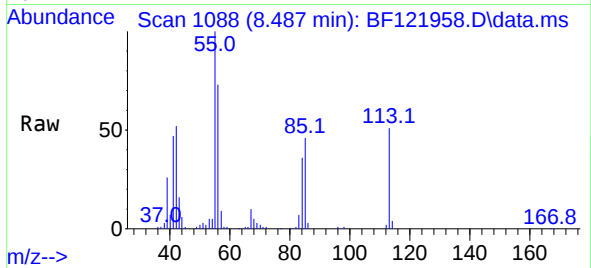
#35  
Caprolactam  
Concen: 41.55 ng m  
RT: 8.487 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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Tgt Ion:113 Resp: 93078  
Ion Ratio Lower Upper  
113 100  
55 195.9 167.5 207.5  
56 143.9 121.2 161.2

Instrument :  
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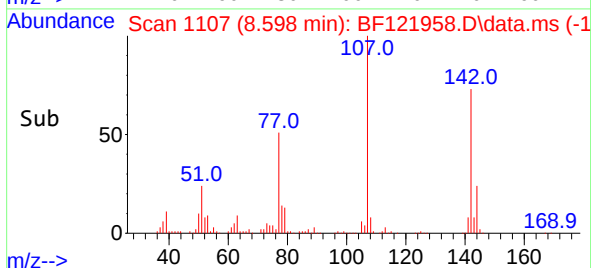
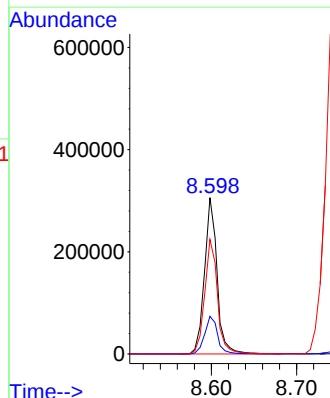
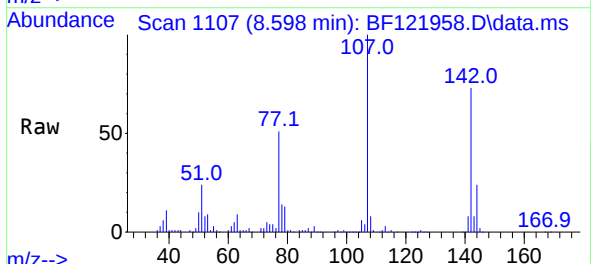
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#36  
4-Chloro-3-methylphenol  
Concen: 41.32 ng  
RT: 8.598 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

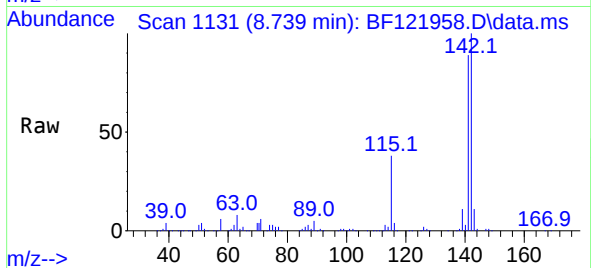
Tgt Ion:107 Resp: 313041  
Ion Ratio Lower Upper  
107 100  
144 24.1 20.1 30.1  
142 73.3 59.3 88.9





#37  
2-Methylnaphthalene  
Concen: 39.03 ng  
RT: 8.739 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

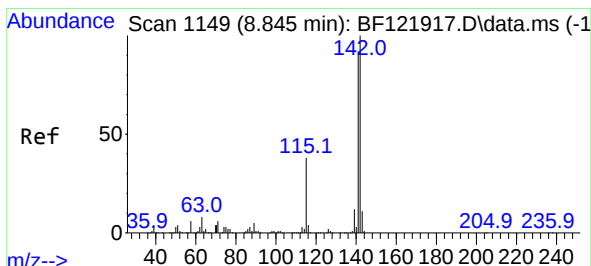
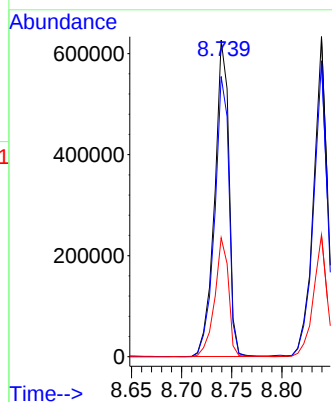
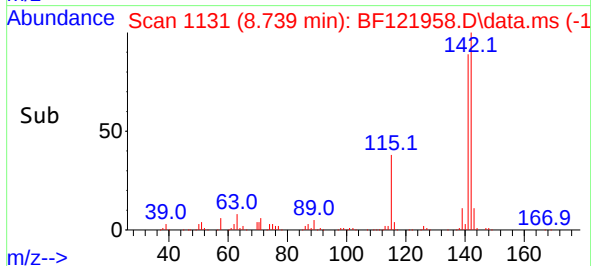
Instrument :  
BNA\_F  
ClientSampleId :  
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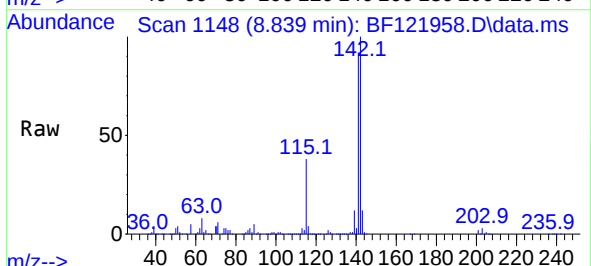
Tgt Ion:142 Resp: 623423  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.2 105.4  
115 37.6 28.6 43.0

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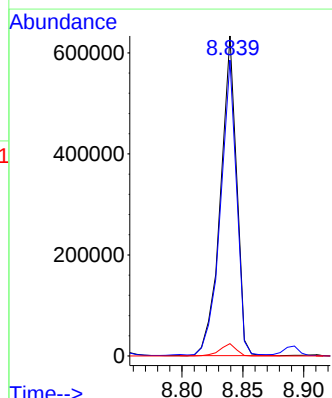
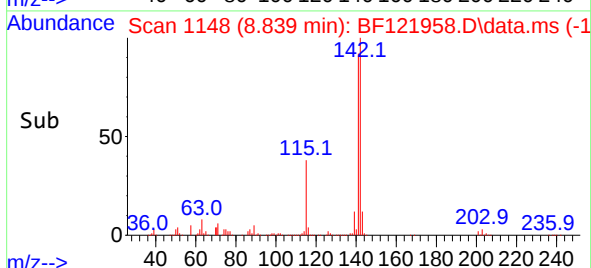
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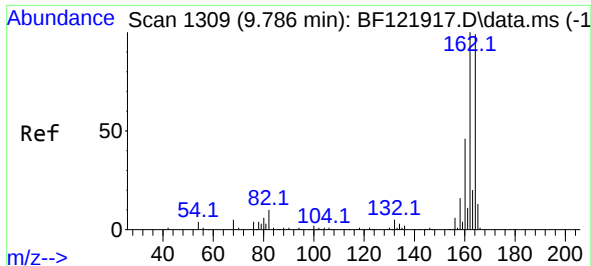


#38  
1-Methylnaphthalene  
Concen: 39.52 ng  
RT: 8.839 min Scan# 1148  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:142 Resp: 584478  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.5 111.7  
116 3.9 3.2 4.8





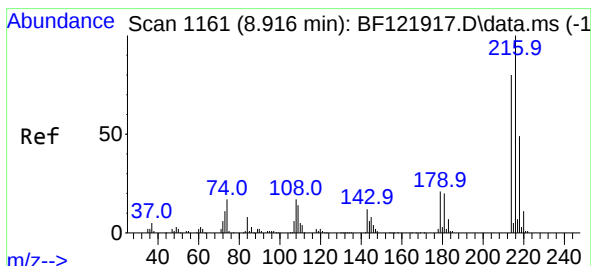
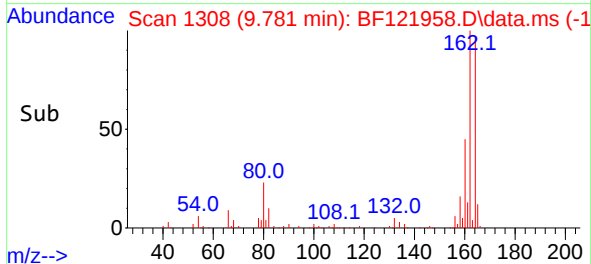
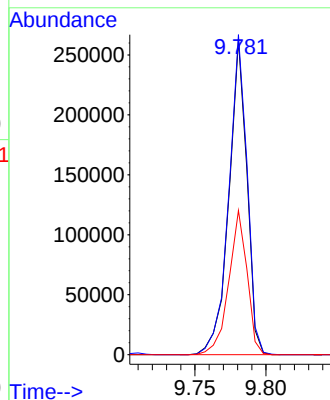
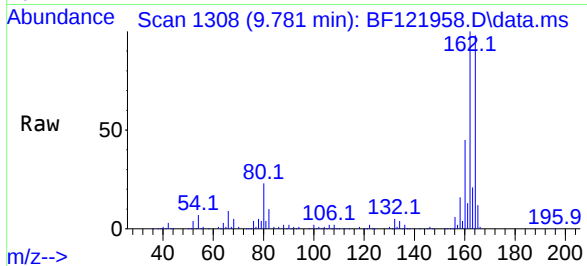
#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.781 min Scan# 1308  
Delta R.T. -0.005 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:164 Resp: 231343  
Ion Ratio Lower Upper  
164 100  
162 101.7 83.2 124.8  
160 45.8 37.5 56.3

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

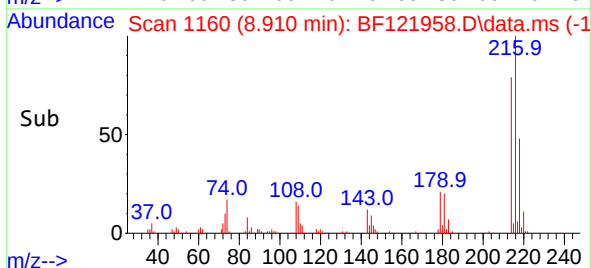
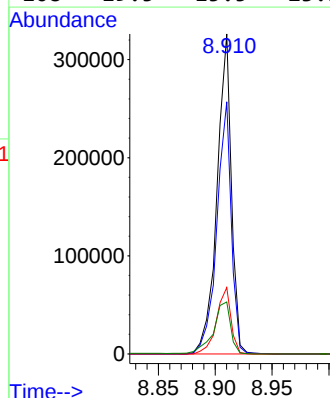
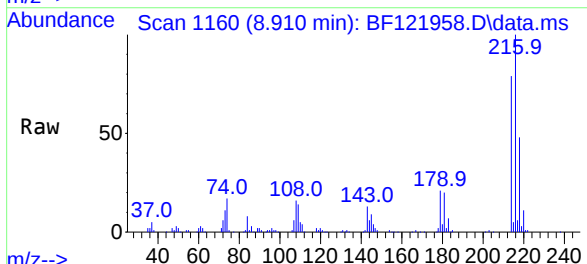
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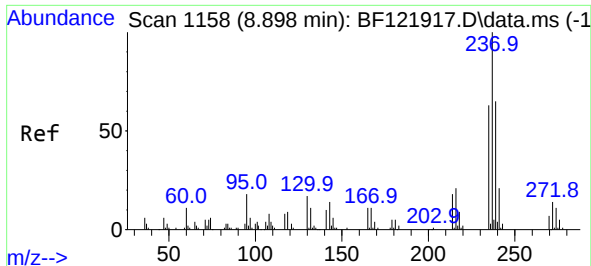
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.57 ng  
RT: 8.910 min Scan# 1160  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:216 Resp: 287981  
Ion Ratio Lower Upper  
216 100  
214 79.2 63.4 95.2  
179 20.8 17.0 25.6  
108 19.5 15.5 23.3





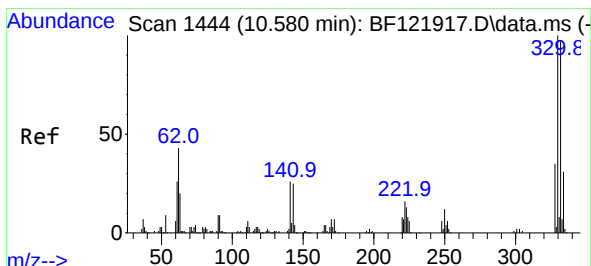
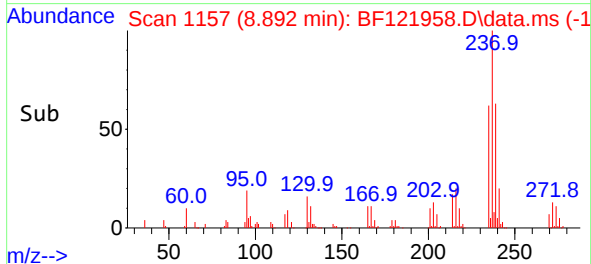
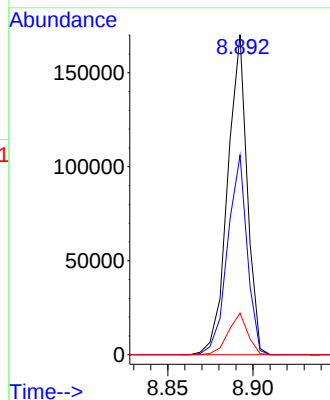
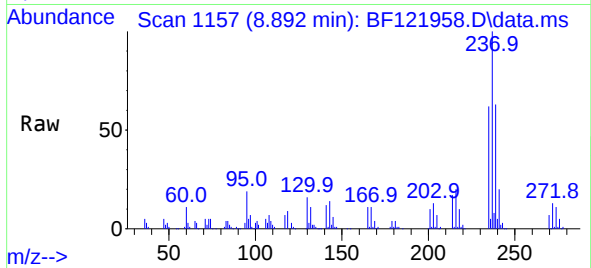
#41  
Hexachlorocyclopentadiene  
Concen: 64.57 ng  
RT: 8.892 min Scan# 1157  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 237 Resp: 135814  
Ion Ratio Lower Upper  
237 100  
235 62.3 41.8 81.8  
272 13.0 0.0 33.5

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

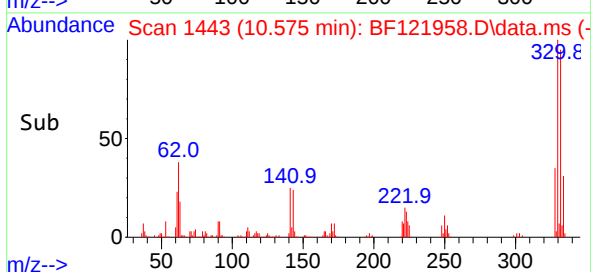
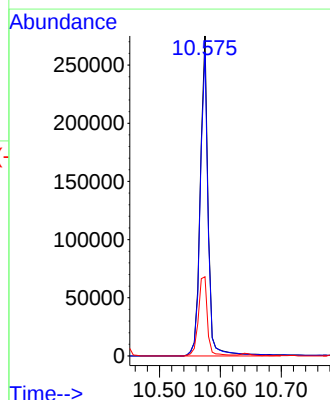
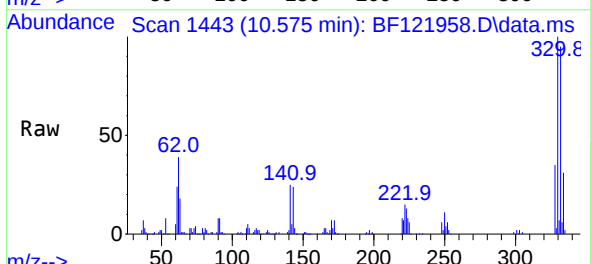
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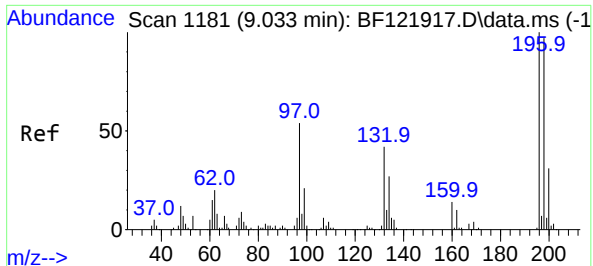
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#42  
2,4,6-Tribromophenol  
Concen: 86.30 ng  
RT: 10.575 min Scan# 1443  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 330 Resp: 246963  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.3 115.9  
141 28.6 22.3 33.5





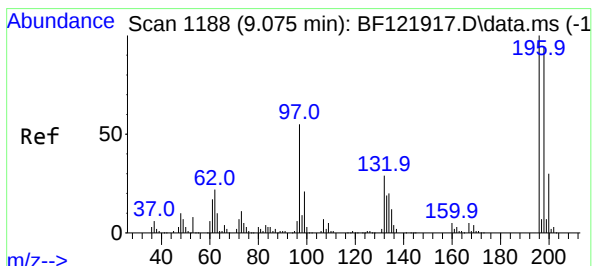
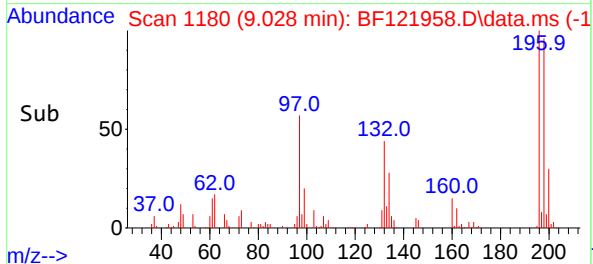
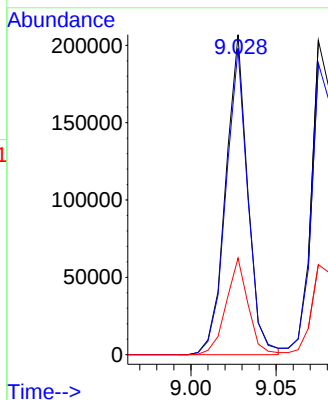
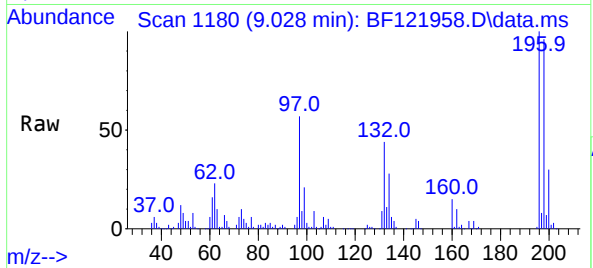
#43  
2,4,6-Trichlorophenol  
Concen: 40.37 ng  
RT: 9.028 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:196 Resp: 186007  
Ion Ratio Lower Upper  
196 100  
198 95.7 75.8 113.6  
200 30.2 24.6 36.8

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

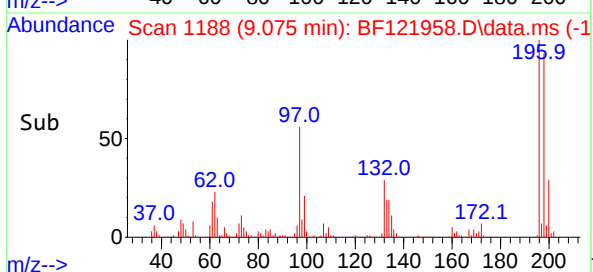
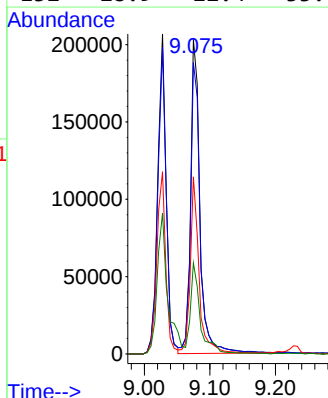
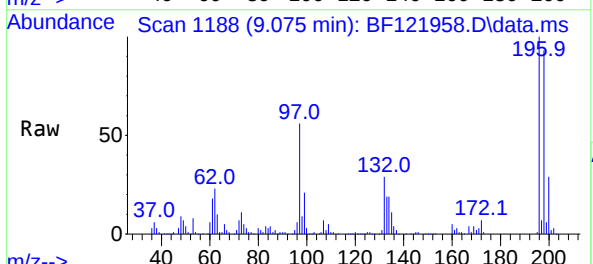
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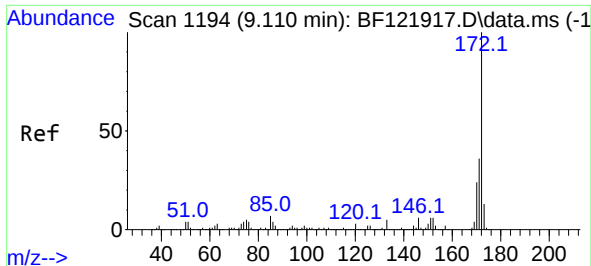
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#44  
2,4,5-Trichlorophenol  
Concen: 40.63 ng  
RT: 9.075 min Scan# 1188  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:196 Resp: 202133  
Ion Ratio Lower Upper  
196 100  
198 92.7 76.1 114.1  
97 56.3 41.0 61.6  
132 28.9 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 87.41 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF121958.D

Acq: 14 Oct 2020 15:20

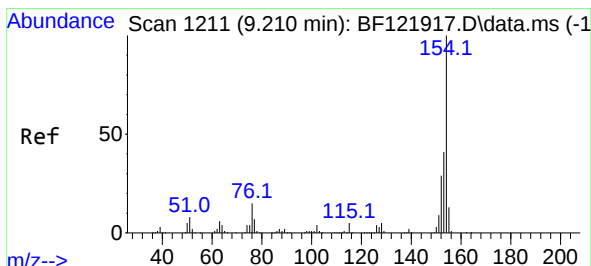
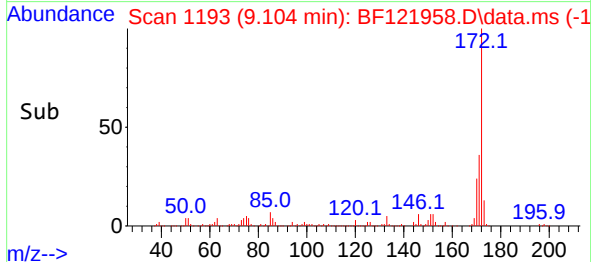
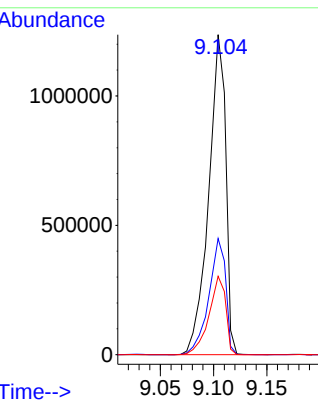
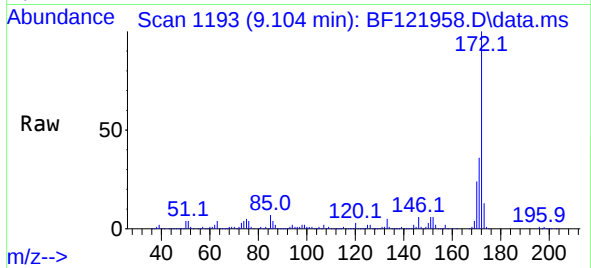
Tgt Ion:172 Resp: 1374380

Ion Ratio Lower Upper

172 100

171 36.3 29.1 43.7

170 24.5 19.8 29.6



#46

1,1'-Biphenyl

Concen: 38.92 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF121958.D

Acq: 14 Oct 2020 15:20

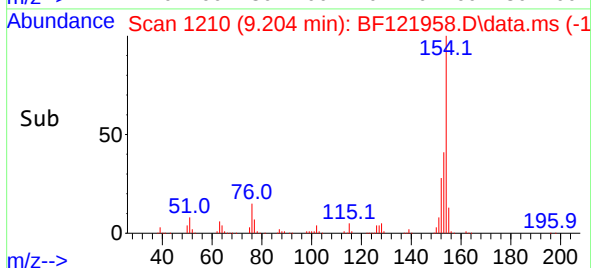
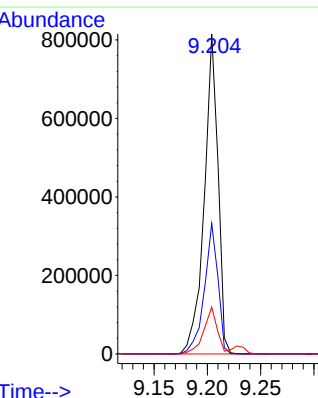
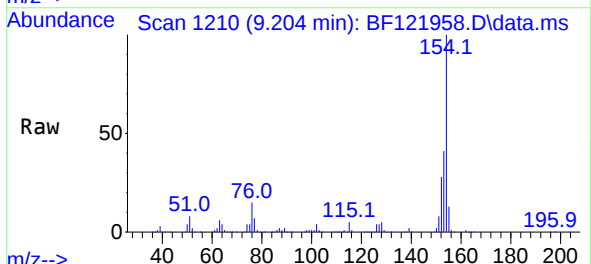
Tgt Ion:154 Resp: 732084

Ion Ratio Lower Upper

154 100

153 40.8 21.3 61.3

76 14.7 0.0 34.7



Instrument :

BNA\_F

ClientSampleId :

PB132357BSD

Manual Integrations

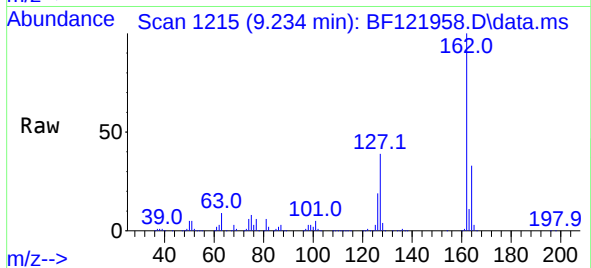
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#47  
2-Chloronaphthalene  
Concen: 40.29 ng  
RT: 9.234 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

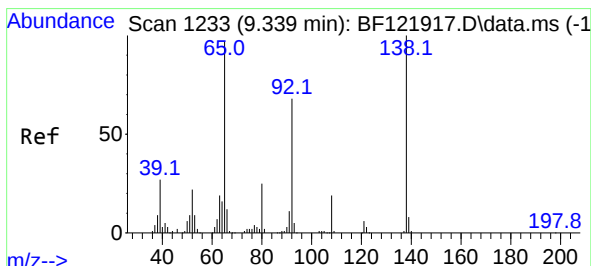
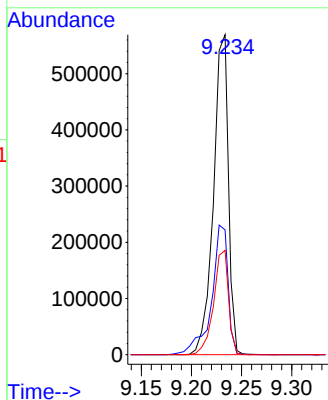
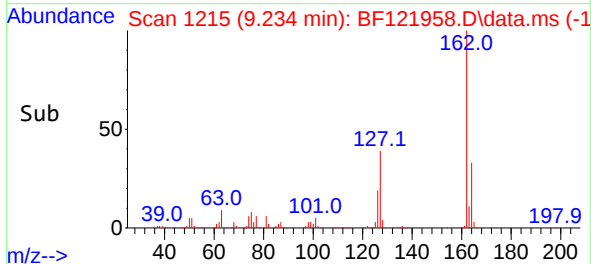
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD



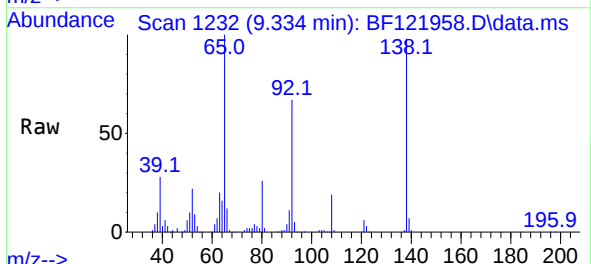
Tgt Ion:162 Resp: 589313  
Ion Ratio Lower Upper  
162 100  
127 39.0 34.4 51.6  
164 32.6 26.3 39.5

Manual Integrations  
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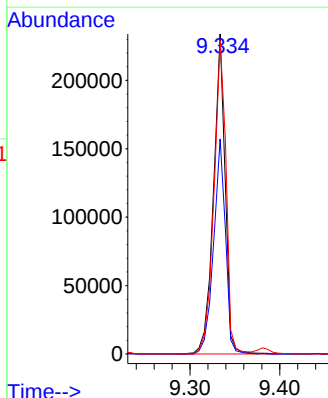
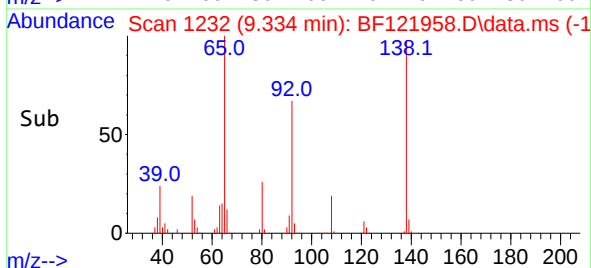
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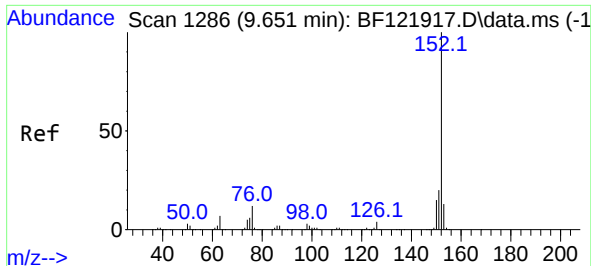


#48  
2-Nitroaniline  
Concen: 43.77 ng  
RT: 9.334 min Scan# 1232  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion: 65 Resp: 211189  
Ion Ratio Lower Upper  
65 100  
92 67.2 55.1 82.7  
138 98.0 80.5 120.7





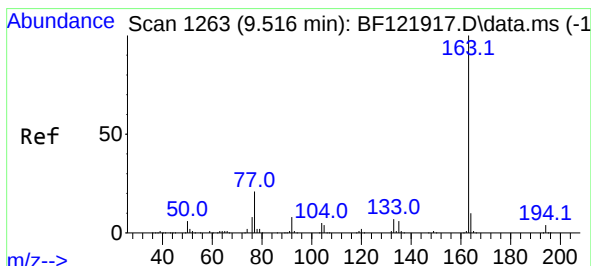
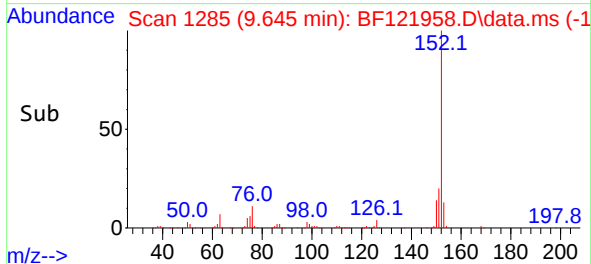
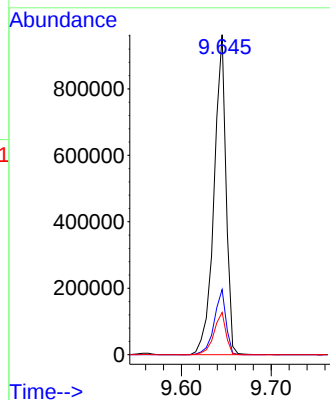
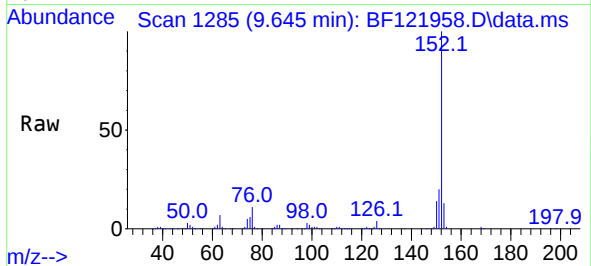
#49  
Acenaphthylene  
Concen: 39.80 ng  
RT: 9.645 min Scan# 1285  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:152 Resp: 894170  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.4 24.6  
153 13.2 10.6 15.8

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

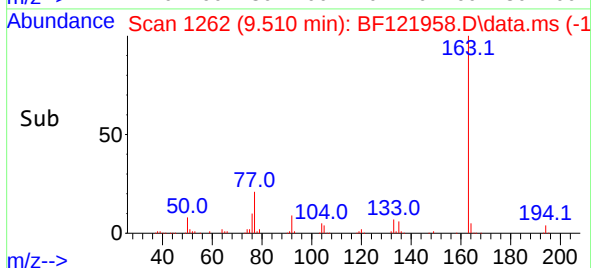
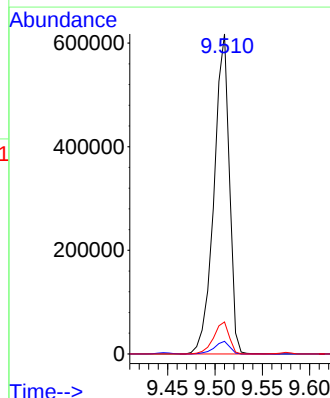
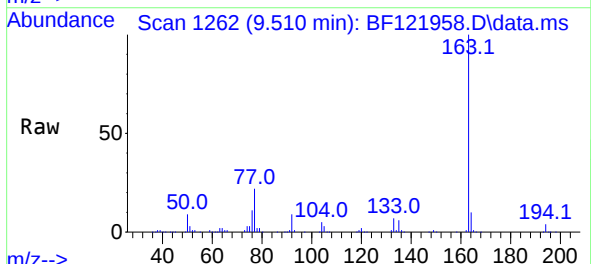
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#50  
Dimethylphthalate  
Concen: 41.00 ng  
RT: 9.510 min Scan# 1262  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:163 Resp: 693581  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.3 4.9  
164 10.0 8.2 12.4





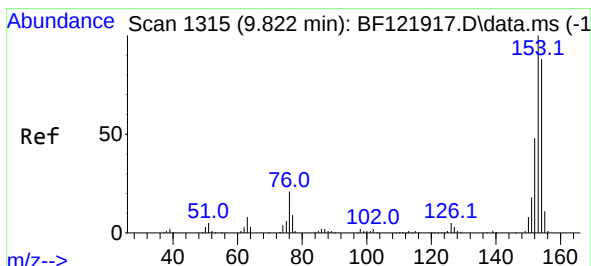
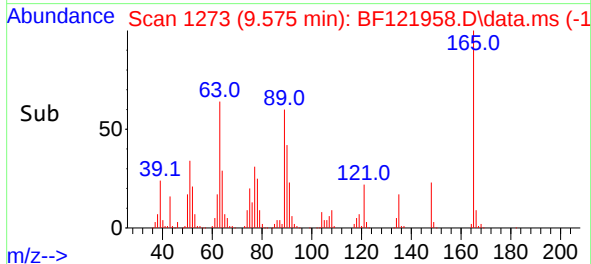
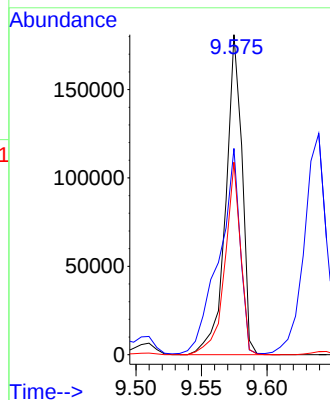
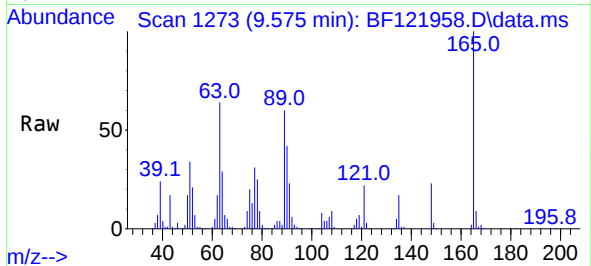
#51  
2,6-Dinitrotoluene  
Concen: 42.02 ng  
RT: 9.575 min Scan# 1273  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:165 Resp: 155939  
Ion Ratio Lower Upper  
165 100  
63 64.4 51.8 77.6  
89 60.2 49.0 73.6

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

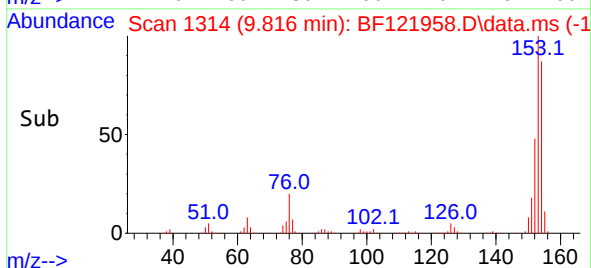
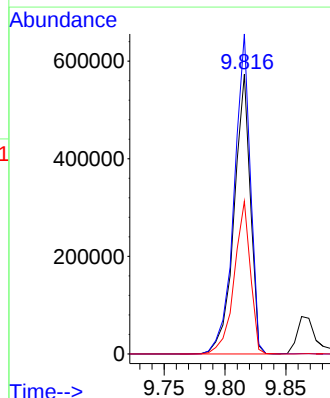
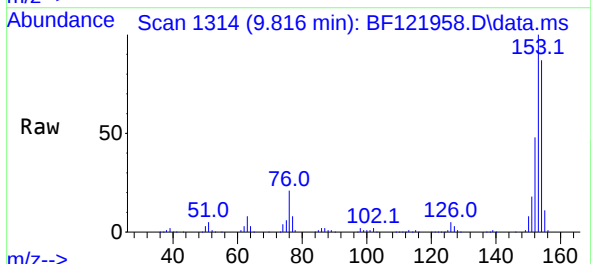
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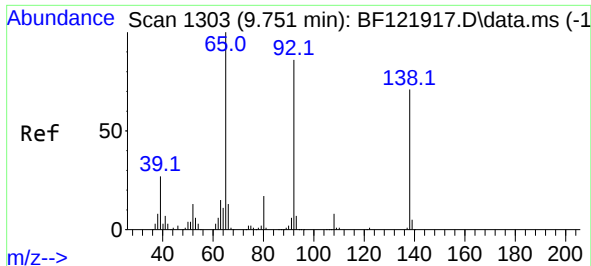
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#52  
Acenaphthene  
Concen: 39.91 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:154 Resp: 533370  
Ion Ratio Lower Upper  
154 100  
153 114.4 89.8 134.8  
152 54.6 43.2 64.8





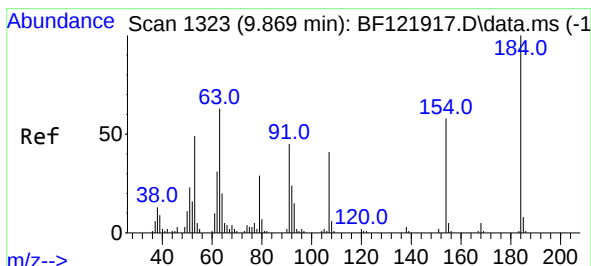
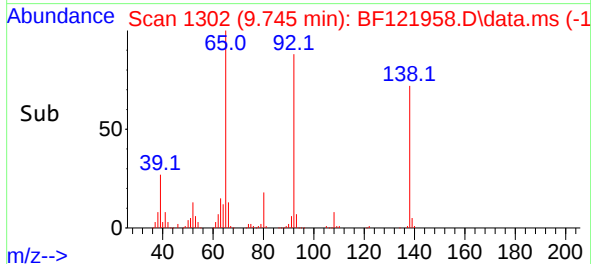
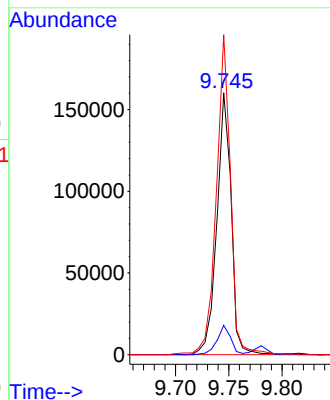
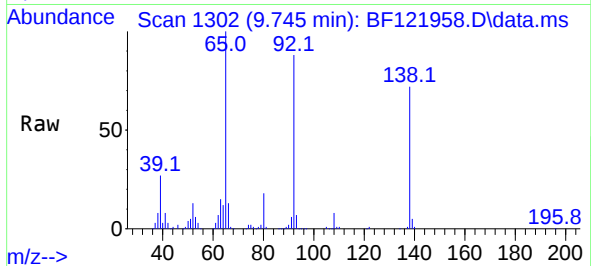
#53  
3-Nitroaniline  
Concen: 35.32 ng  
RT: 9.745 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:138 Resp: 149051  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.6 13.0  
92 122.2 96.6 144.8

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

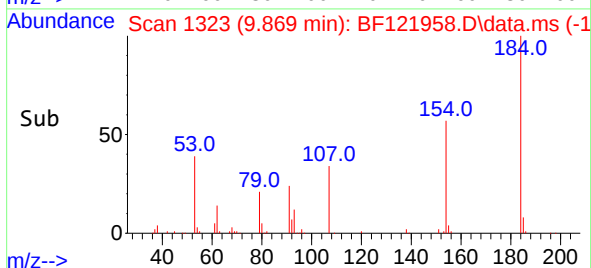
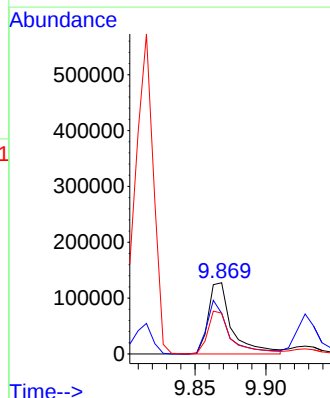
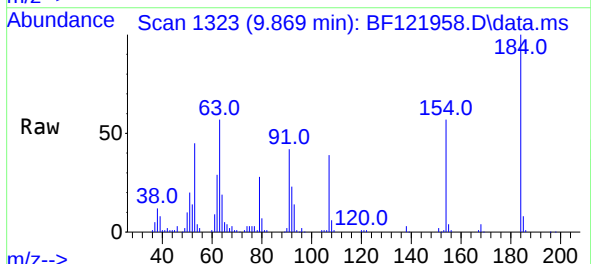
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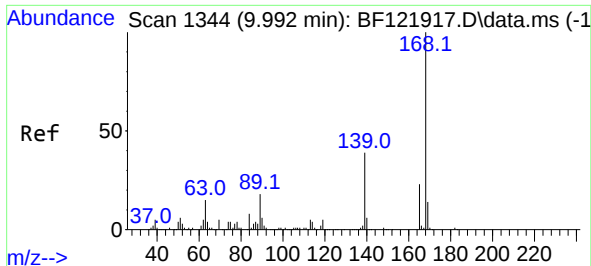
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#54  
2,4-Dinitrophenol  
Concen: 78.37 ng  
RT: 9.869 min Scan# 1323  
Delta R.T. -0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:184 Resp: 148033  
Ion Ratio Lower Upper  
184 100  
63 57.1 45.9 68.9  
154 57.3 45.8 68.6





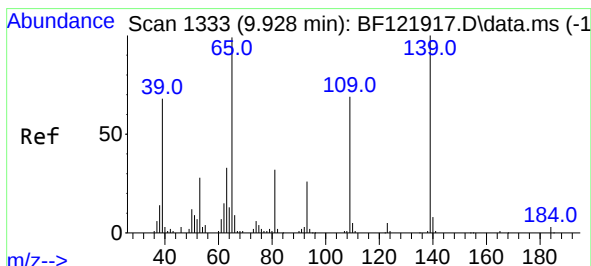
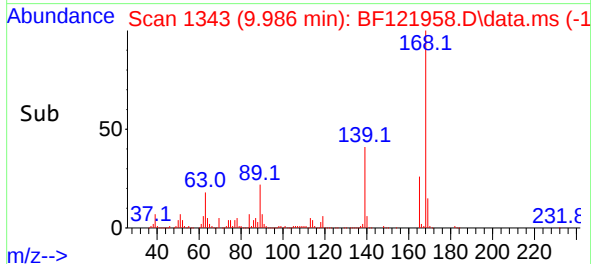
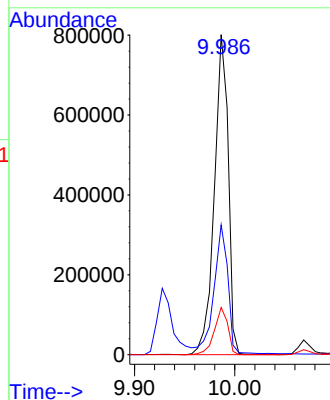
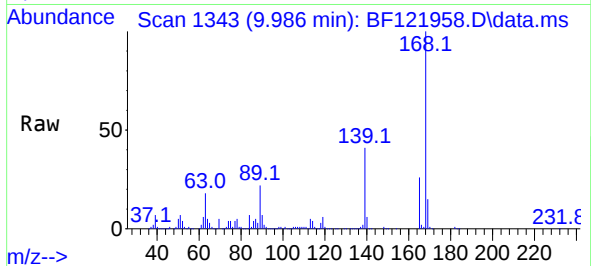
#55  
Dibenzenofuran  
Concen: 39.43 ng  
RT: 9.986 min Scan# 1343  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:168 Resp: 770521  
Ion Ratio Lower Upper  
168 100  
139 40.5 31.0 46.6  
169 14.8 11.3 16.9

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

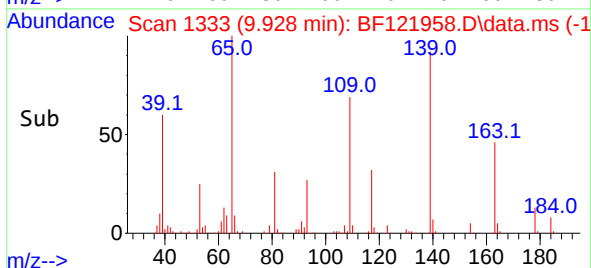
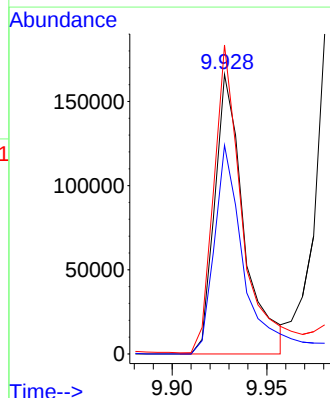
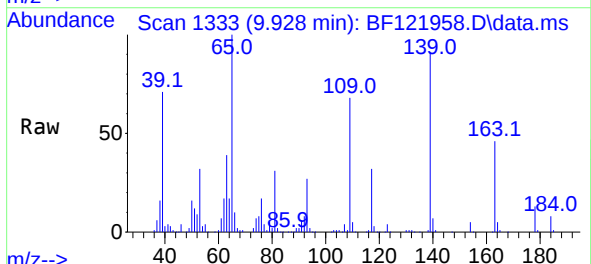
Manual Integrations  
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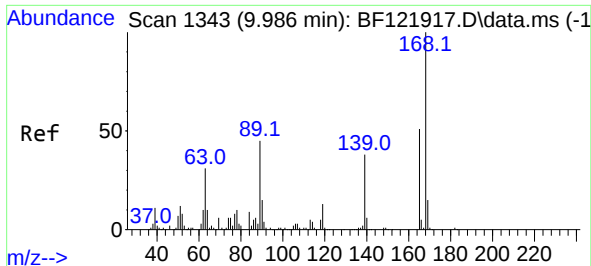
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#56  
4-Nitrophenol  
Concen: 77.91 ng  
RT: 9.928 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

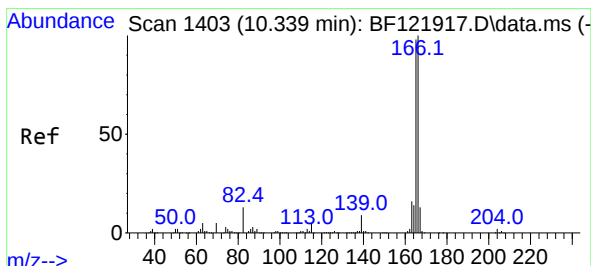
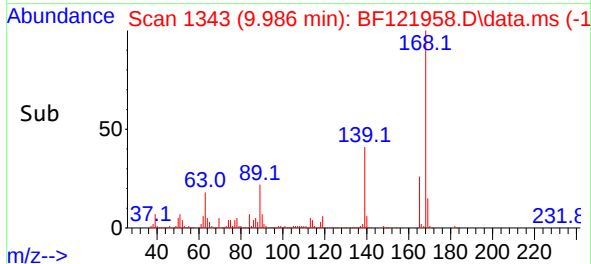
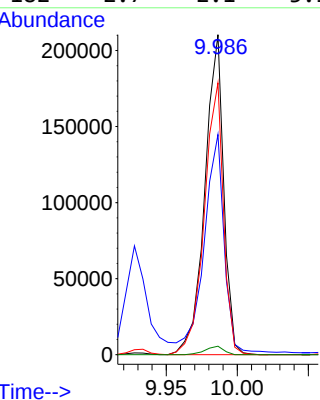
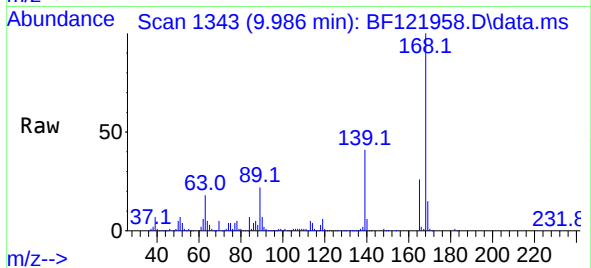
Tgt Ion:139 Resp: 178873  
Ion Ratio Lower Upper  
139 100  
109 74.6 45.4 85.4  
65 110.5 68.4 108.4#





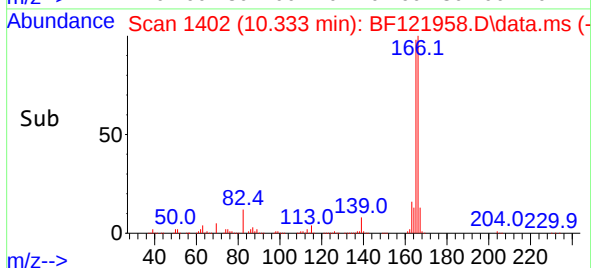
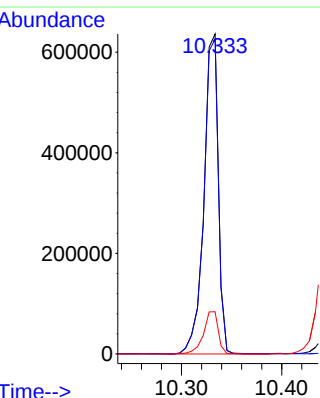
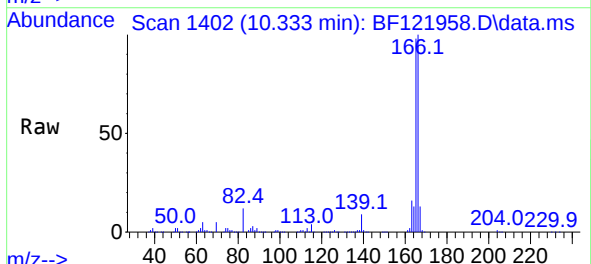
#57  
2,4-Dinitrotoluene  
Concen: 42.48 ng  
RT: 9.986 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:165 Resp: 194071  
Ion Ratio Lower Upper  
165 100  
63 68.8 41.3 61.9#  
89 85.0 61.8 92.8  
182 2.7 2.1 3.1



#58  
Fluorene  
Concen: 40.28 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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Tgt Ion:166 Resp: 634327  
Ion Ratio Lower Upper  
166 100  
165 98.4 79.1 118.7  
167 13.2 11.0 16.6



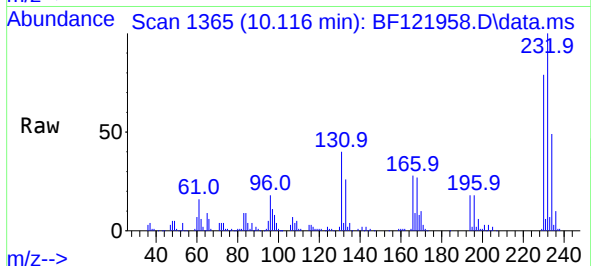
Instrument :  
BNA\_F  
ClientSampleId :  
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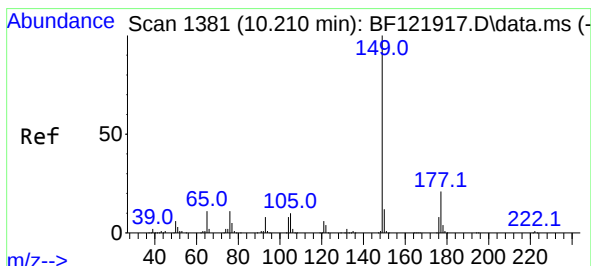
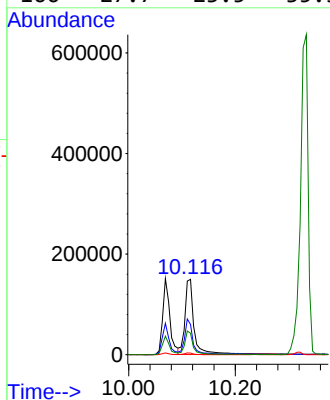
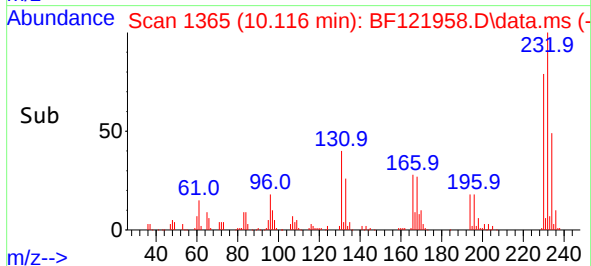
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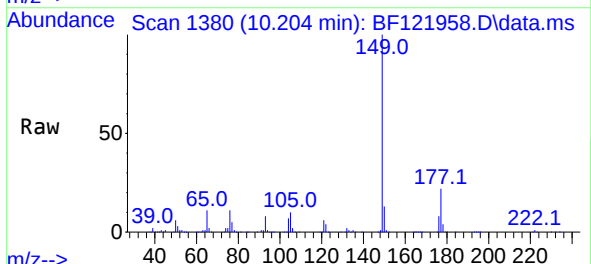
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.85 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



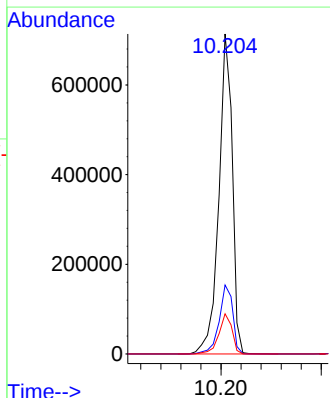
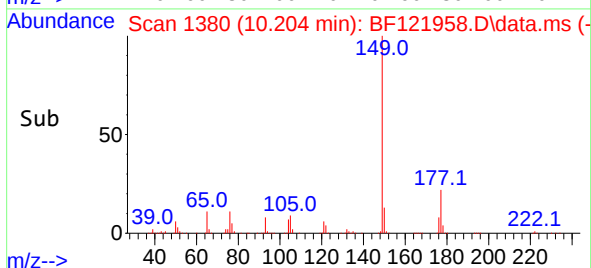
Tgt Ion:232 Resp: 176477  
Ion Ratio Lower Upper  
232 100  
131 40.6 35.9 53.9  
130 2.1 1.8 2.6  
166 27.7 23.5 35.3



#60  
Diethylphthalate  
Concen: 40.54 ng  
RT: 10.204 min Scan# 1380  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



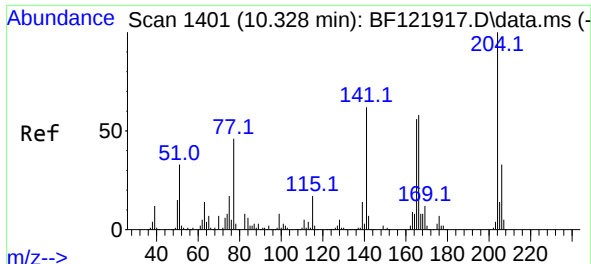
Tgt Ion:149 Resp: 661366  
Ion Ratio Lower Upper  
149 100  
177 21.6 18.1 27.1  
150 12.5 10.3 15.5



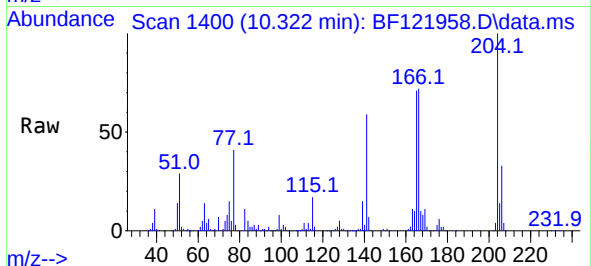
Instrument :  
BNA\_F  
ClientSampleId :  
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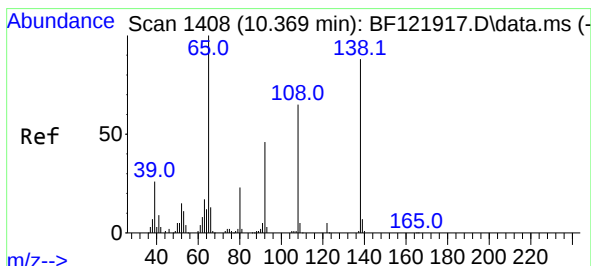
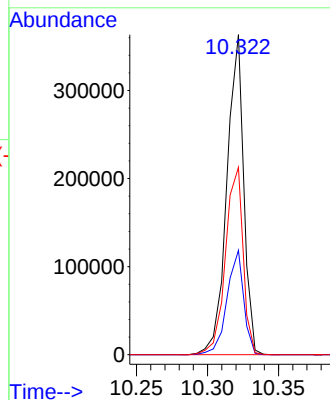
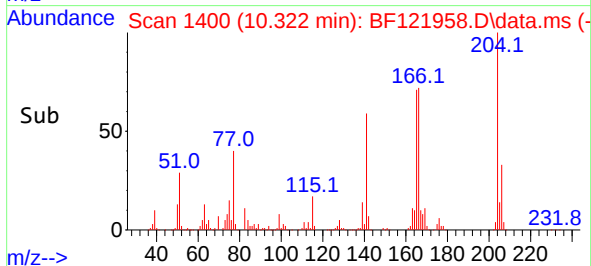
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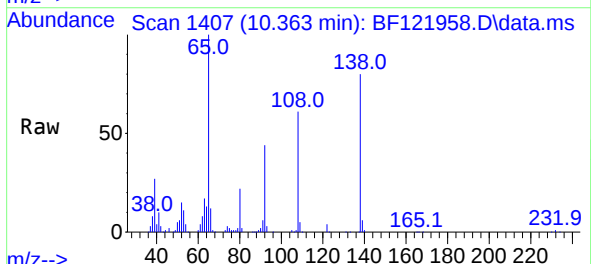
#61  
4-Chlorophenyl-phenylether  
Concen: 39.79 ng  
RT: 10.322 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



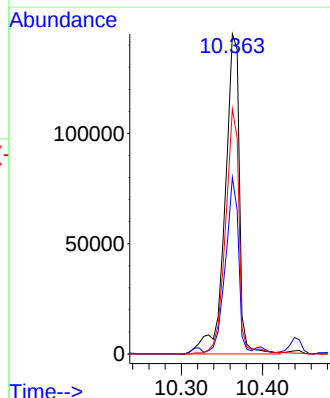
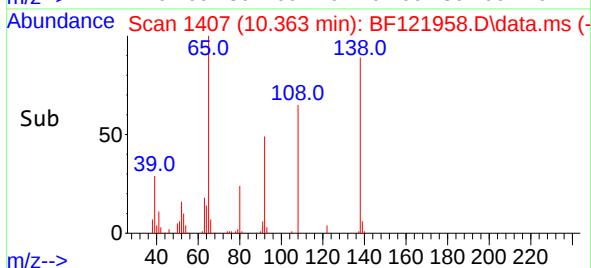
Tgt Ion:204 Resp: 300462  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.0 39.0  
141 58.6 46.2 69.4



#62  
4-Nitroaniline  
Concen: 42.49 ng  
RT: 10.363 min Scan# 1407  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



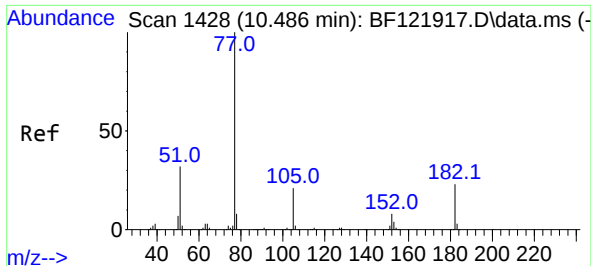
Tgt Ion:138 Resp: 179150  
Ion Ratio Lower Upper  
138 100  
92 55.2 31.0 71.0  
108 76.5 51.5 91.5



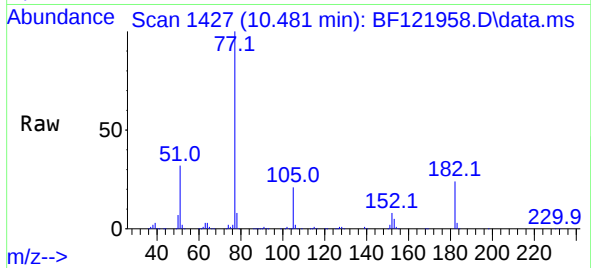
Instrument :  
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ClientSampleId :  
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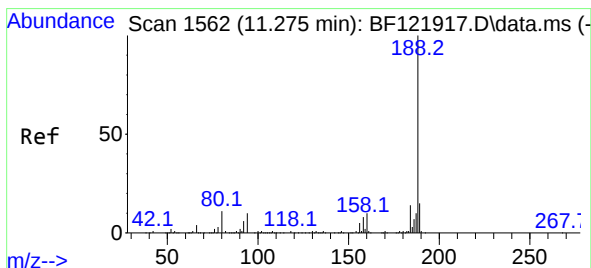
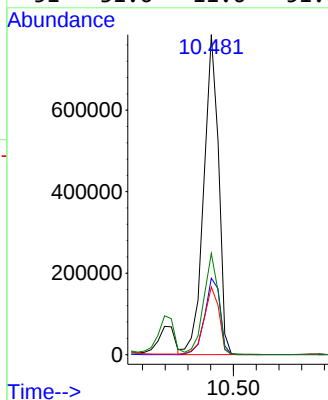
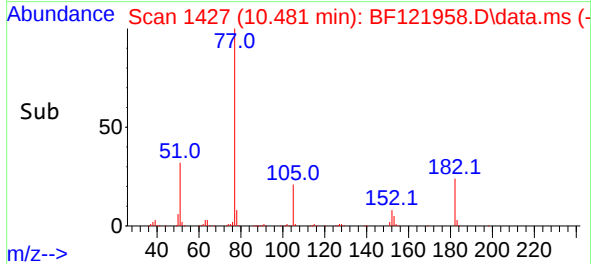
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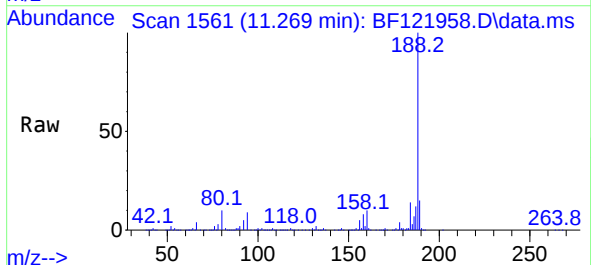
#63  
Azobenzene  
Concen: 41.08 ng  
RT: 10.481 min Scan# 1427  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



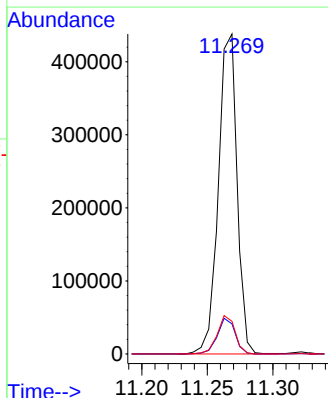
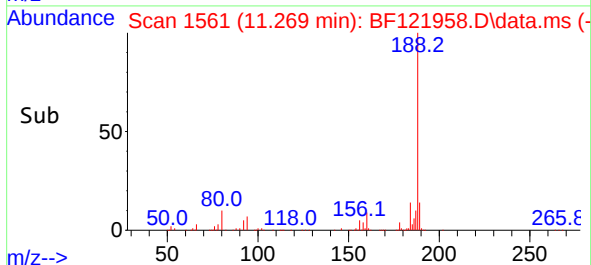
Tgt Ion: 77 Resp: 708622  
Ion Ratio Lower Upper  
77 100  
182 23.9 3.4 43.4  
105 21.1 1.7 41.7  
51 31.6 11.6 51.6



#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



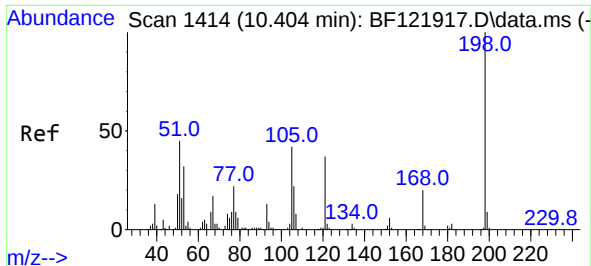
Tgt Ion: 188 Resp: 434022  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.3 12.5  
80 10.2 9.1 13.7



Instrument :  
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ClientSampleId :  
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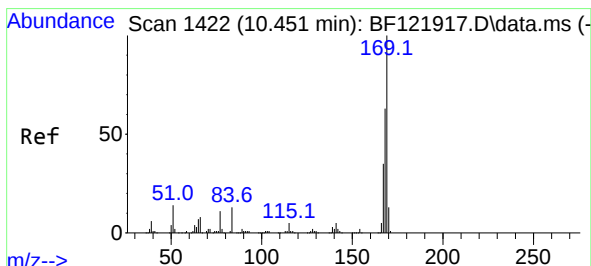
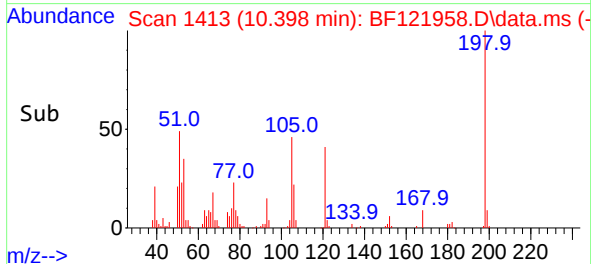
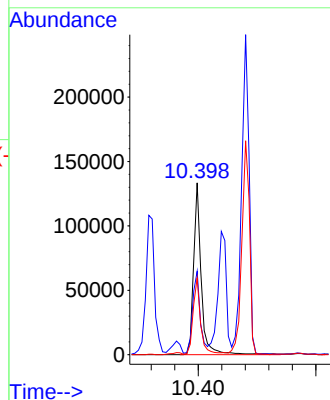
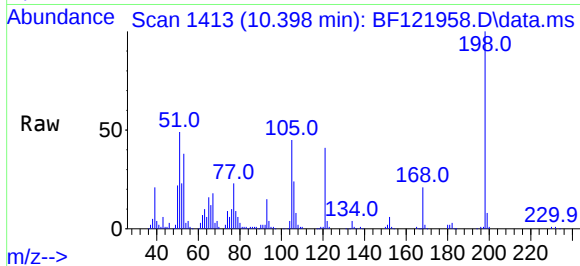
#65  
4,6-Dinitro-2-methylphenol  
Concen: 41.98 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:198 Resp: 120299  
Ion Ratio Lower Upper  
198 100  
51 48.5 29.6 69.6  
105 44.6 24.4 64.4

Instrument :  
BNA\_F  
ClientSampleId :  
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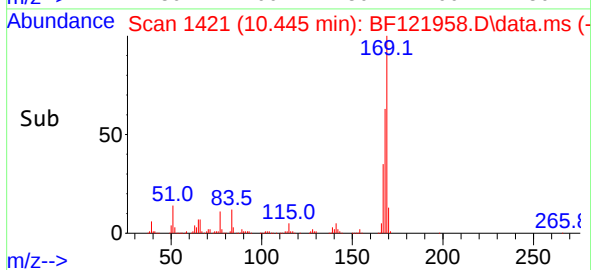
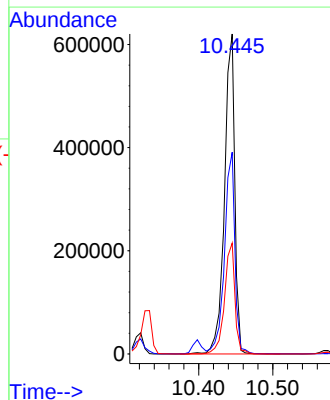
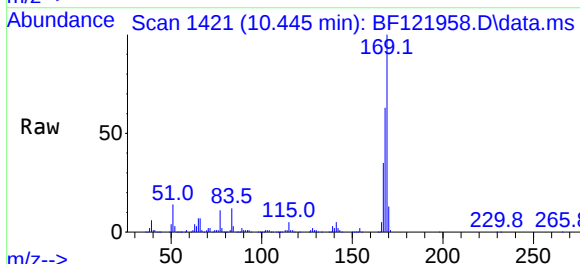
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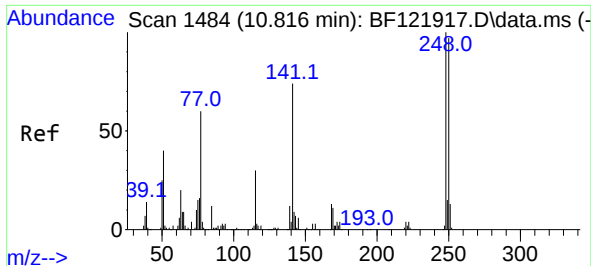
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#66  
n-Nitrosodiphenylamine  
Concen: 40.09 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:169 Resp: 599383  
Ion Ratio Lower Upper  
169 100  
168 63.0 50.0 75.0  
167 34.6 27.8 41.6





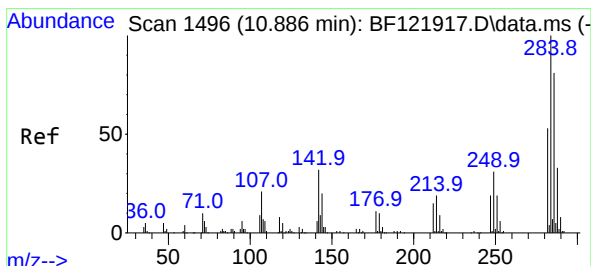
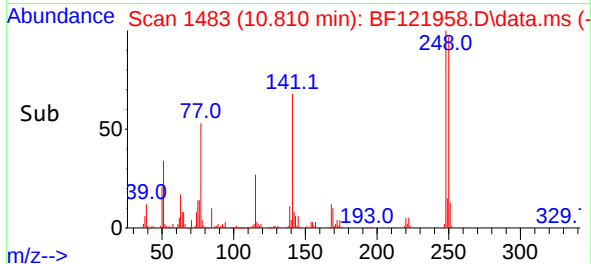
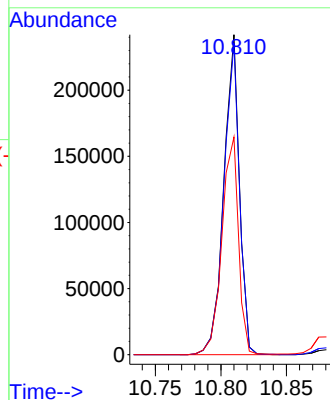
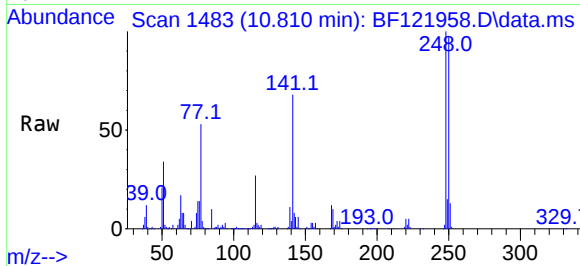
#67  
4-Bromophenyl-phenylether  
Concen: 39.82 ng  
RT: 10.810 min Scan# 1483  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:248 Resp: 199687  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.0 115.6  
141 68.0 53.7 80.5

Instrument :  
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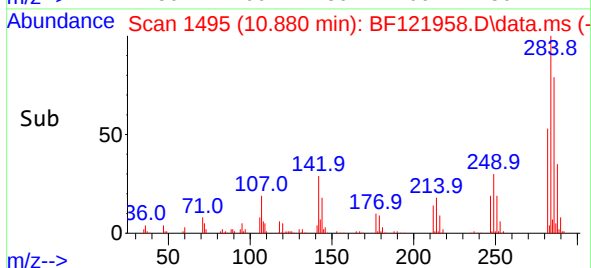
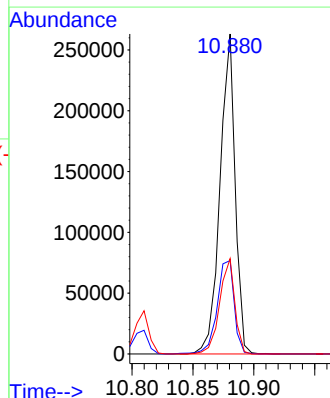
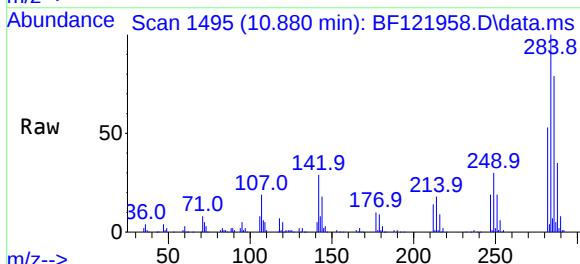
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#68  
Hexachlorobenzene  
Concen: 40.16 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:284 Resp: 227903  
Ion Ratio Lower Upper  
284 100  
142 29.2 27.4 41.2  
249 29.8 24.2 36.4





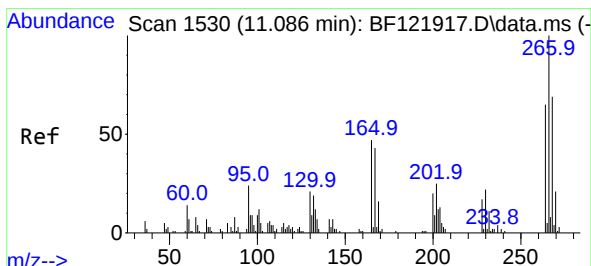
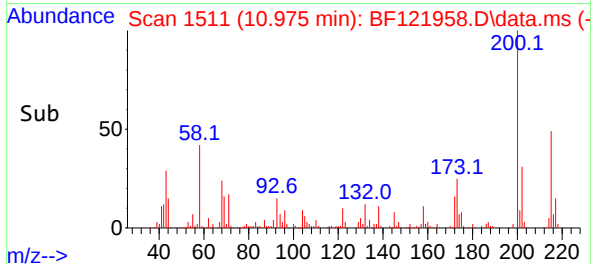
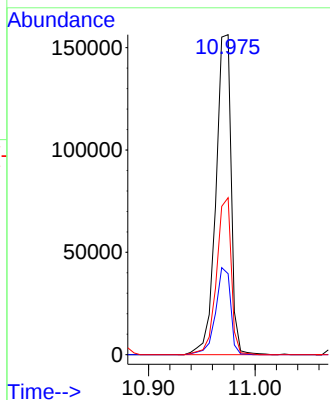
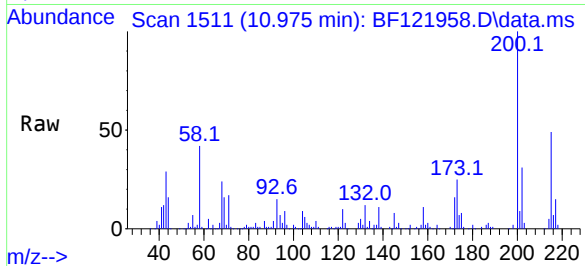
#69  
Atrazine  
Concen: 42.39 ng  
RT: 10.975 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:200 Resp: 154972  
Ion Ratio Lower Upper  
200 100  
173 25.3 7.5 47.5  
215 49.0 27.1 67.1

Instrument :  
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ClientSampleId :  
PB132357BSD

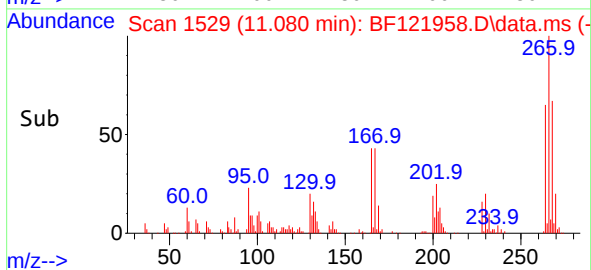
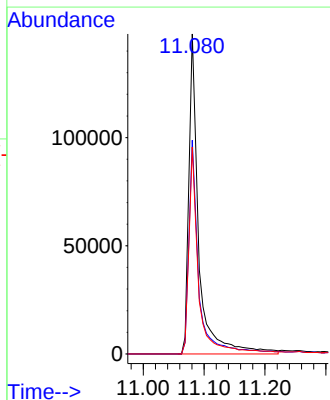
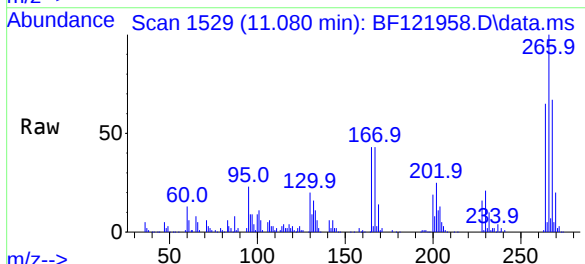
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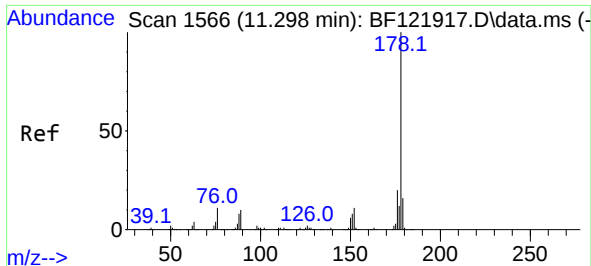
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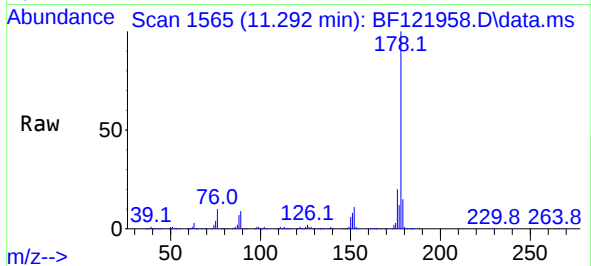
#70  
Pentachlorophenol  
Concen: 75.89 ng  
RT: 11.080 min Scan# 1529  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:266 Resp: 168343  
Ion Ratio Lower Upper  
266 100  
268 66.8 52.4 78.6  
264 64.6 49.9 74.9

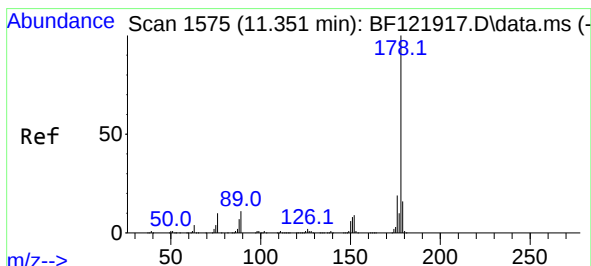
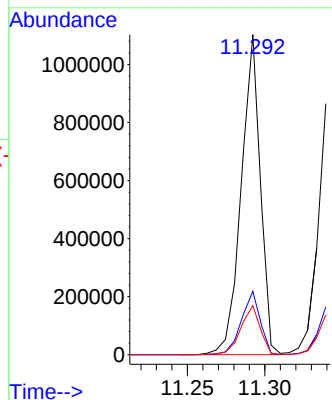
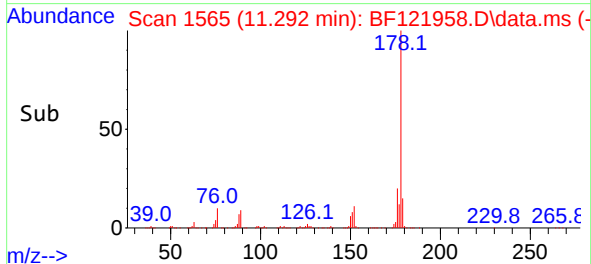




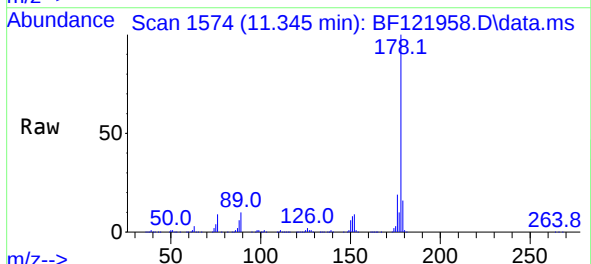
#71  
Phenanthrene  
Concen: 39.67 ng  
RT: 11.292 min Scan# 1565  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



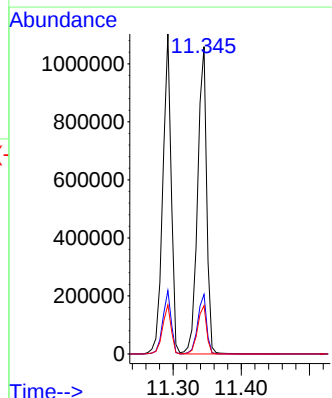
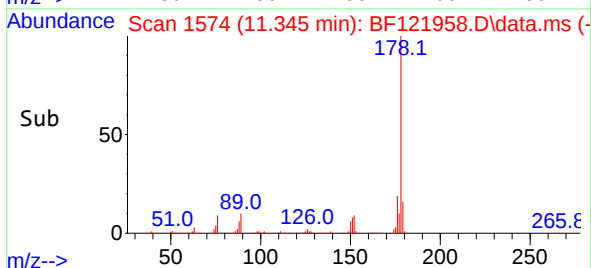
Tgt Ion:178 Resp: 944128  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.9 23.9  
179 15.4 12.2 18.4



#72  
Anthracene  
Concen: 39.50 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



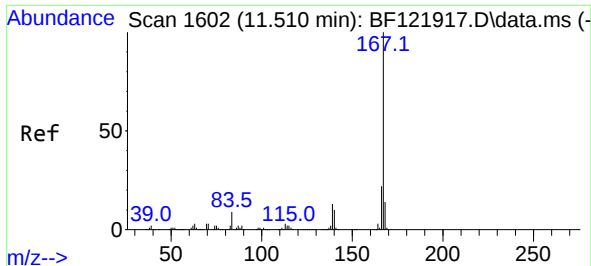
Tgt Ion:178 Resp: 974891  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.7 23.5  
179 15.7 12.7 19.1



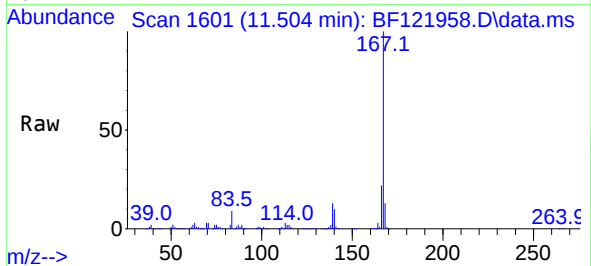
Instrument :  
BNA\_F  
ClientSampleId :  
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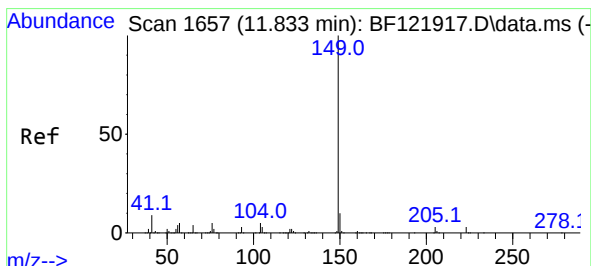
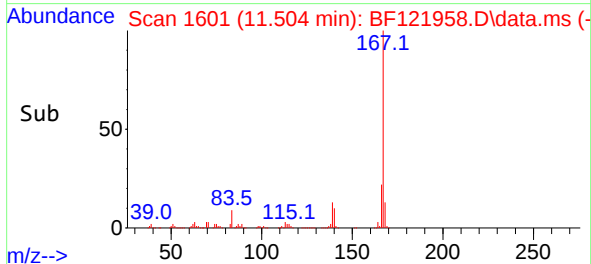
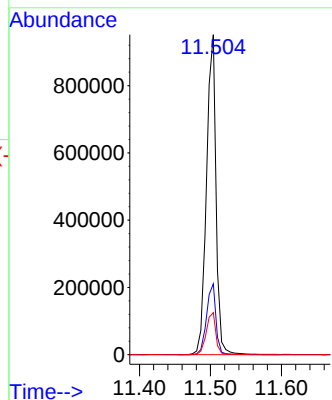
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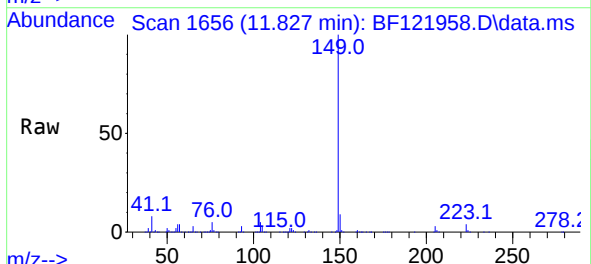
#73  
Carbazole  
Concen: 40.64 ng  
RT: 11.504 min Scan# 1601  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



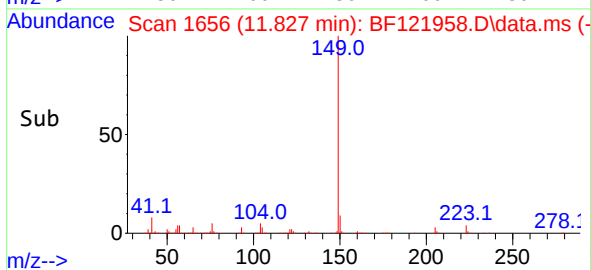
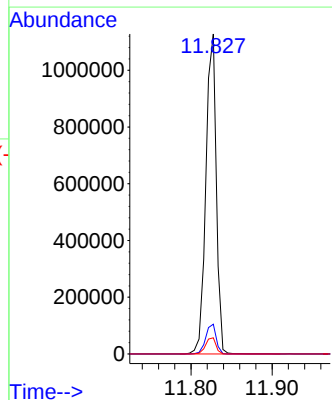
Tgt Ion:167 Resp: 891993  
Ion Ratio Lower Upper  
167 100  
166 22.1 17.8 26.6  
139 13.1 10.8 16.2



#74  
Di-n-butylphthalate  
Concen: 39.70 ng  
RT: 11.827 min Scan# 1656  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
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Tgt Ion:149 Resp: 1002497  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.7 11.5  
104 5.1 4.2 6.2



Instrument :  
BNA\_F  
ClientSampleId :  
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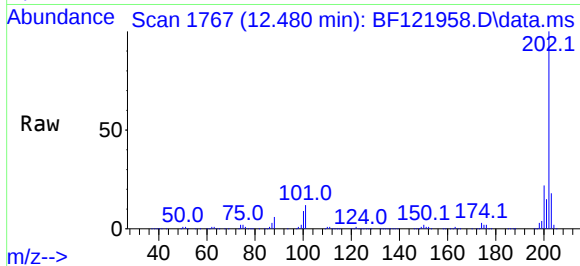
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#75  
Fluoranthene  
Concen: 40.59 ng  
RT: 12.480 min Scan# 1767  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Instrument :  
BNA\_F  
ClientSampleId :  
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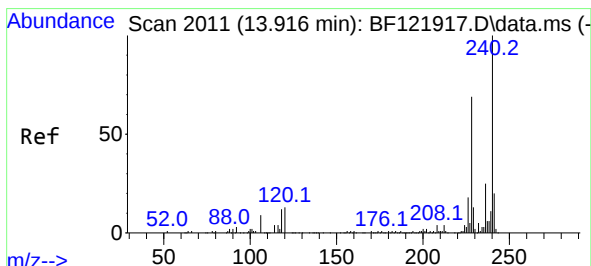
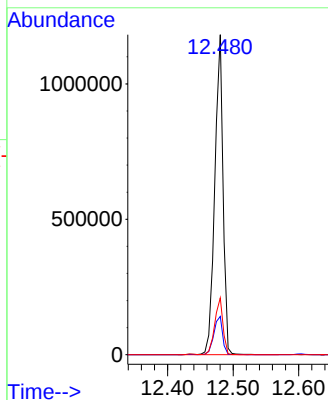
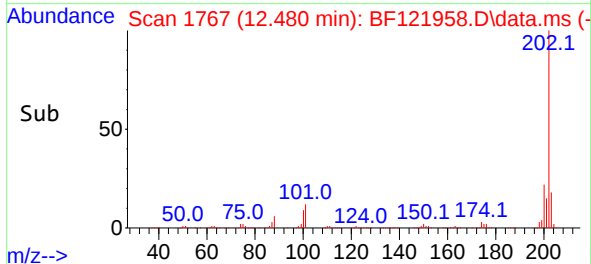


Tgt Ion:202 Resp: 1035633

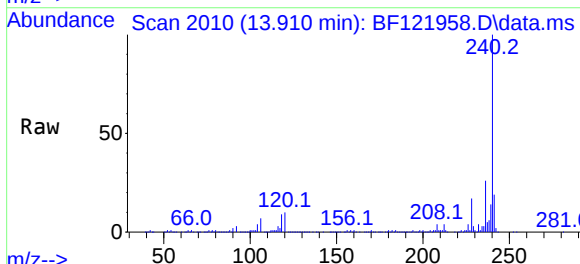
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 202 | 100   |       |       |
| 101 | 11.9  | 0.0   | 33.4  |
| 203 | 17.7  | 0.0   | 37.9  |

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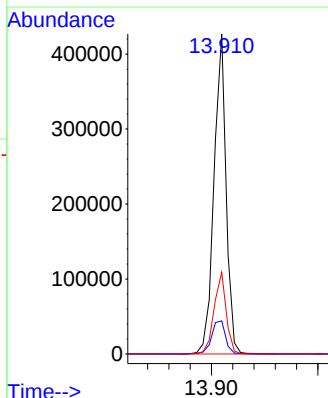
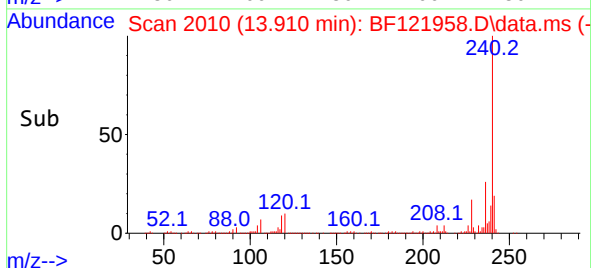


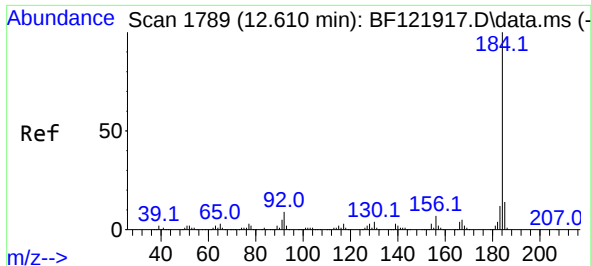
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.910 min Scan# 2010  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:240 Resp: 336193

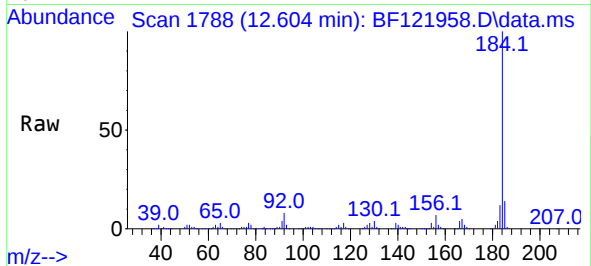
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.4  | 9.2   | 13.8  |
| 236 | 25.5  | 20.9  | 31.3  |





#77  
Benzidine  
Concen: 35.65 ng  
RT: 12.604 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

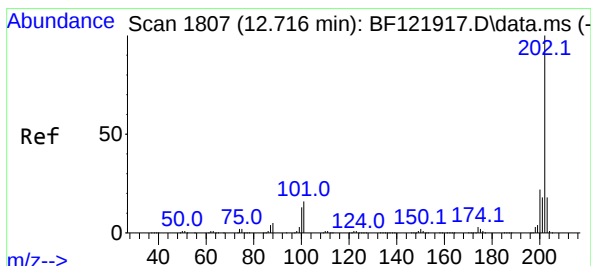
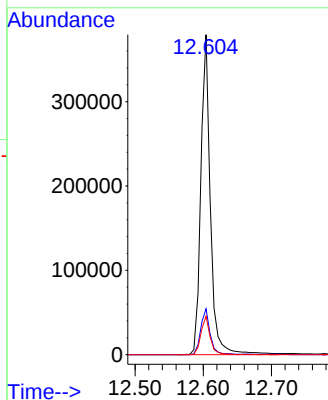
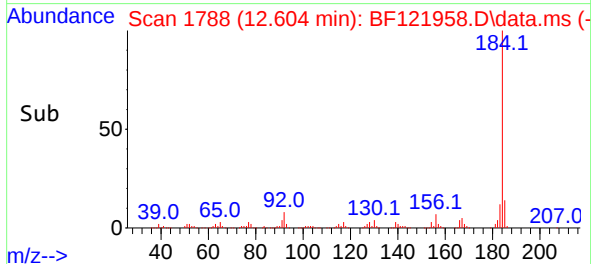
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD



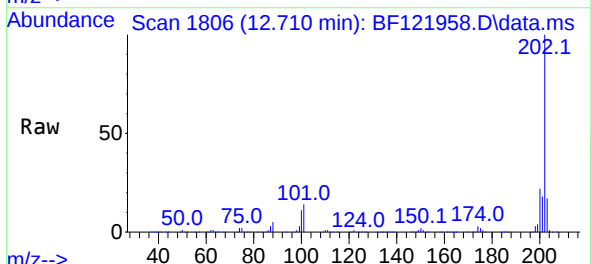
Tgt Ion:184 Resp: 369484  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.6 17.4  
183 12.0 9.4 14.0

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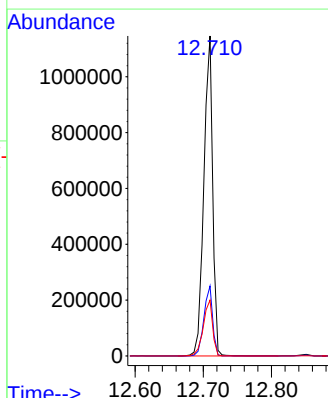
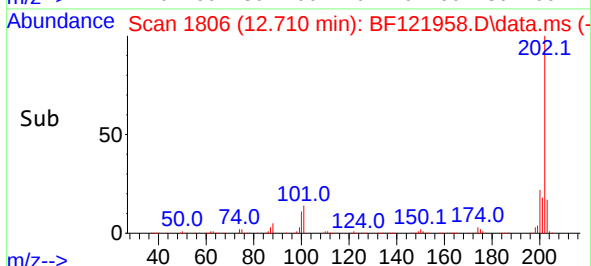
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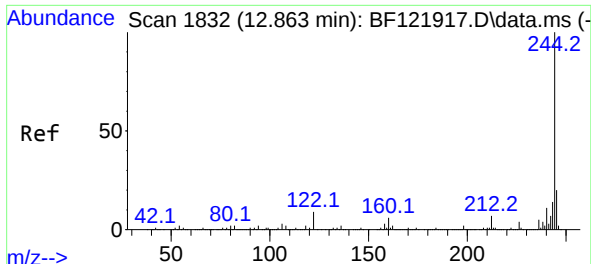


#78  
Pyrene  
Concen: 40.36 ng  
RT: 12.710 min Scan# 1806  
Delta R.T. -0.006 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



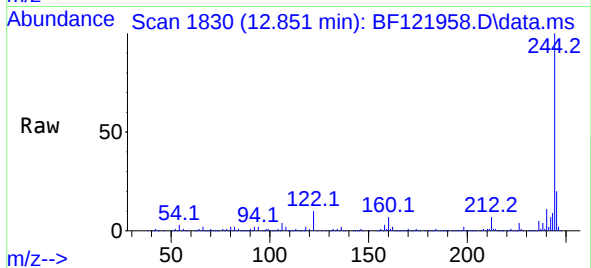
Tgt Ion:202 Resp: 1033919  
Ion Ratio Lower Upper  
202 100  
200 21.8 17.4 26.2  
203 17.5 14.6 21.8





#79  
Terphenyl-d14  
Concen: 89.34 ng  
RT: 12.851 min Scan# 1830  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

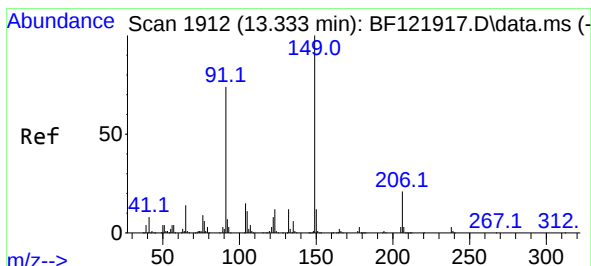
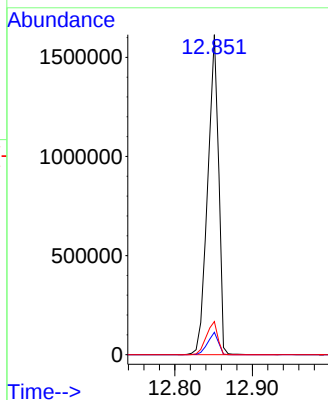
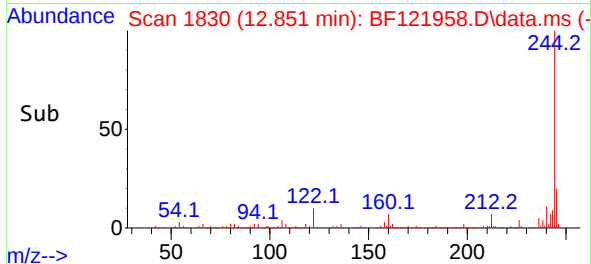
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD



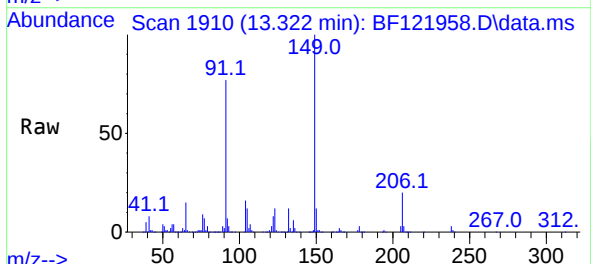
Tgt Ion:244 Resp: 1576102  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.4 8.2  
122 10.4 8.1 12.1

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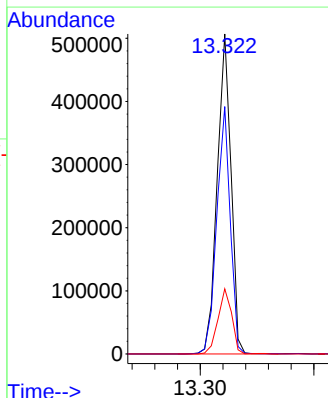
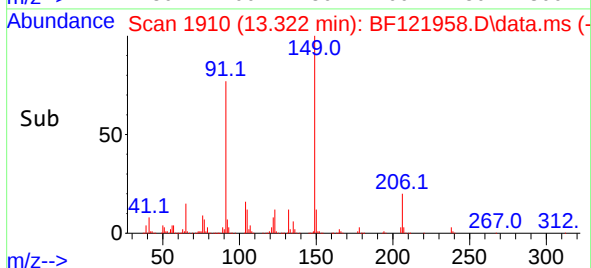
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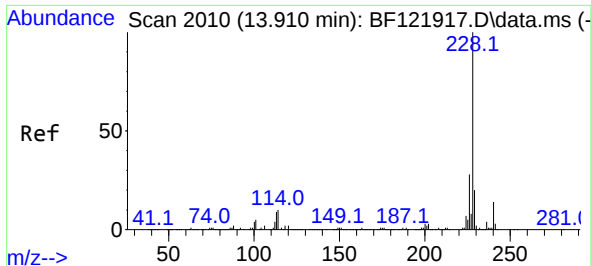


#80  
Butylbenzylphthalate  
Concen: 42.09 ng  
RT: 13.322 min Scan# 1910  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



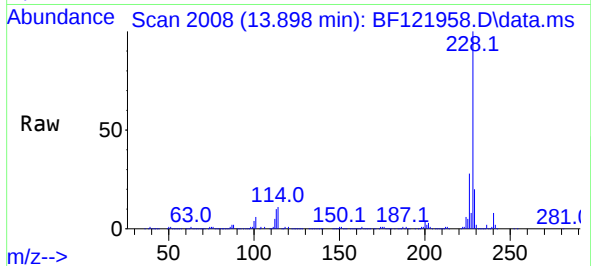
Tgt Ion:149 Resp: 427685  
Ion Ratio Lower Upper  
149 100  
91 77.3 61.0 91.4  
206 20.3 16.7 25.1





#81  
Benzo(a)anthracene  
Concen: 41.33 ng  
RT: 13.898 min Scan# 2008  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

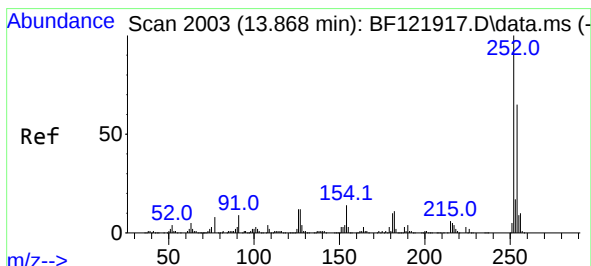
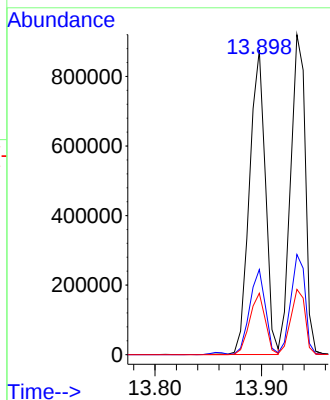
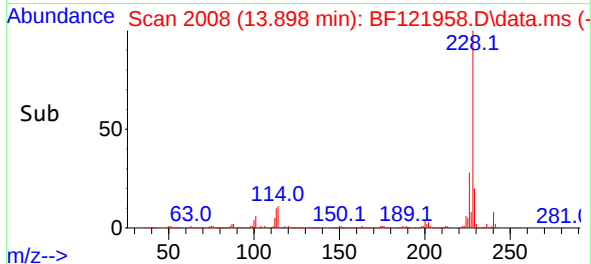
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD



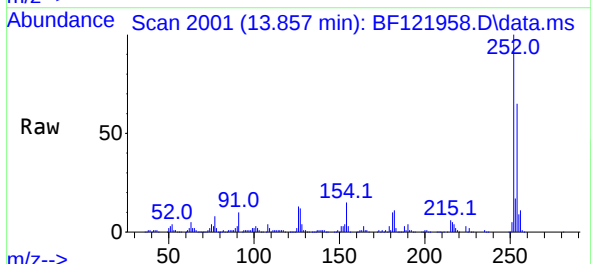
Tgt Ion:228 Resp: 910501  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.3 33.5  
229 20.2 16.2 24.4

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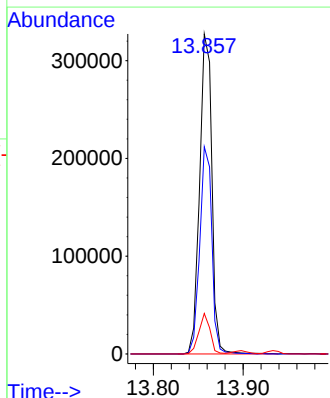
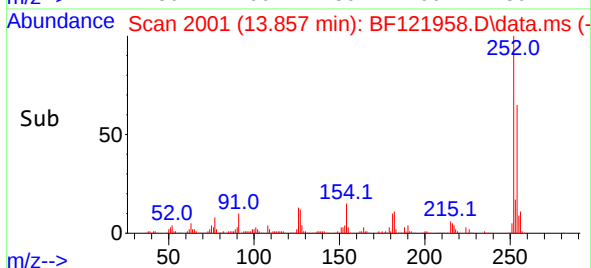
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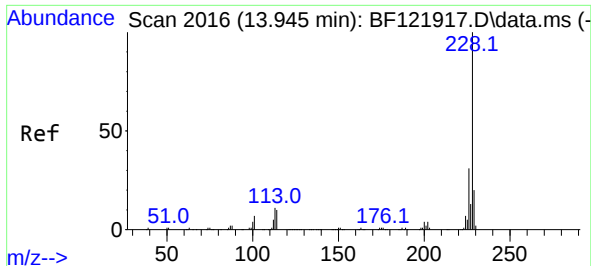


#82  
3,3'-Dichlorobenzidine  
Concen: 37.95 ng  
RT: 13.857 min Scan# 2001  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:252 Resp: 310128  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.8 77.6  
126 12.7 8.8 13.2





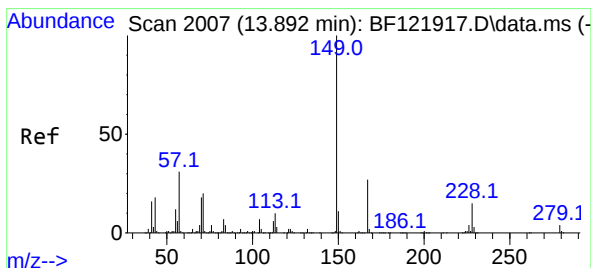
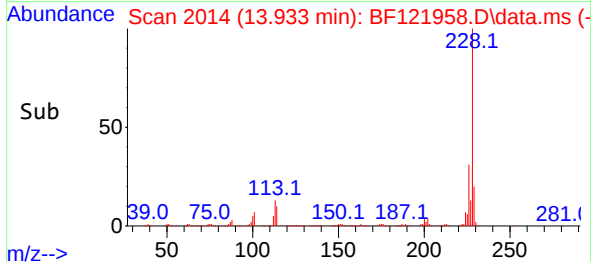
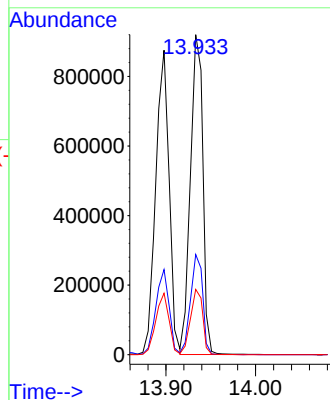
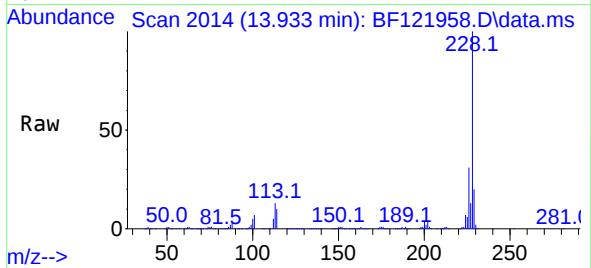
#83  
Chrysene  
Concen: 40.98 ng  
RT: 13.933 min Scan# 2014  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:228 Resp: 886227  
Ion Ratio Lower Upper  
228 100  
226 31.3 24.6 37.0  
229 20.4 15.9 23.9

Instrument :  
BNA\_F  
ClientSampleId :  
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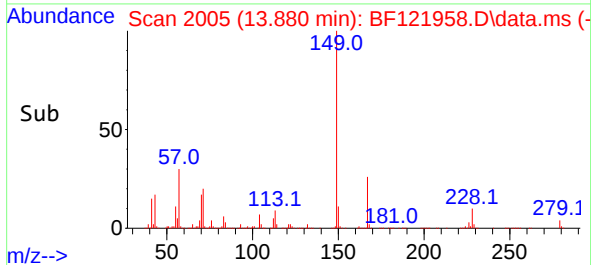
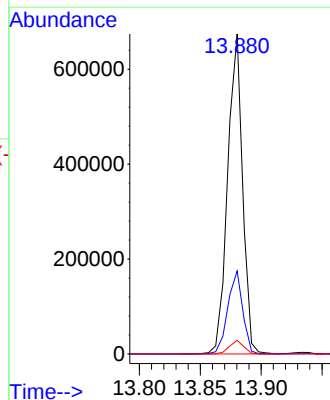
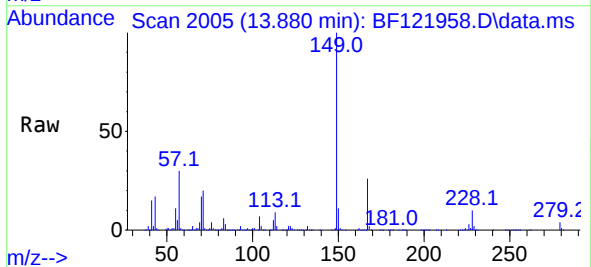
Manual Integrations  
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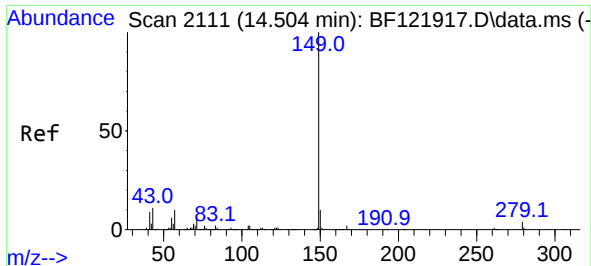
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 41.70 ng  
RT: 13.880 min Scan# 2005  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

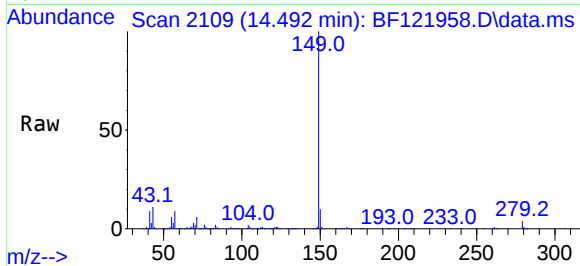
Tgt Ion:149 Resp: 575146  
Ion Ratio Lower Upper  
149 100  
167 26.0 20.9 31.3  
279 4.2 3.2 4.8





#85  
Di-n-octyl phthalate  
Concen: 42.61 ng  
RT: 14.492 min Scan# 2109  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

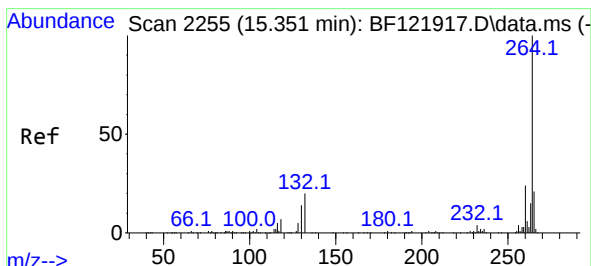
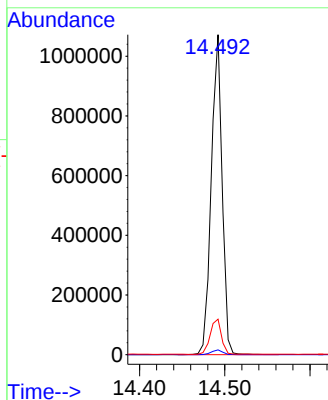
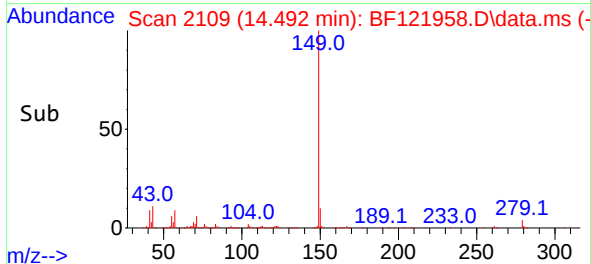
Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD



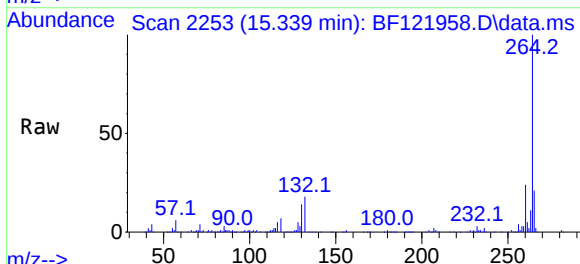
Tgt Ion:149 Resp: 950796  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 11.3 9.0 13.6

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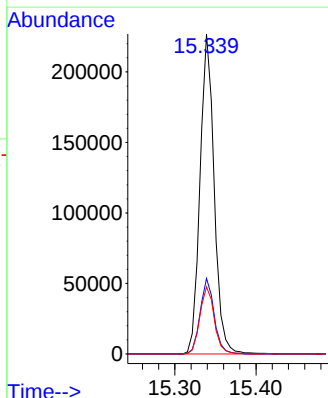
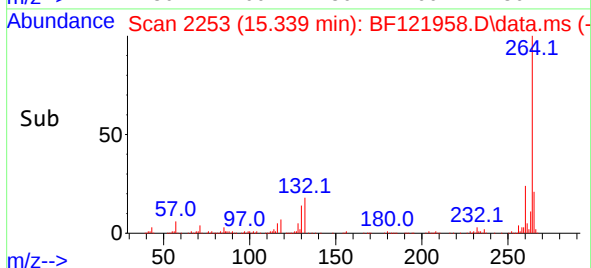
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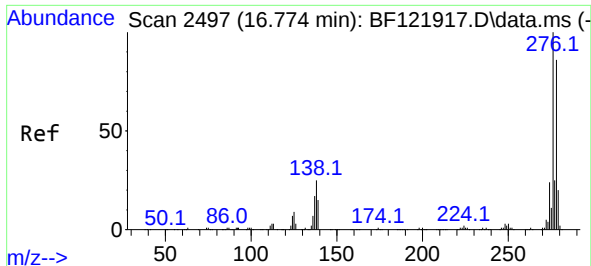


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.339 min Scan# 2253  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



Tgt Ion:264 Resp: 274416  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.7 28.1  
265 21.0 17.3 25.9





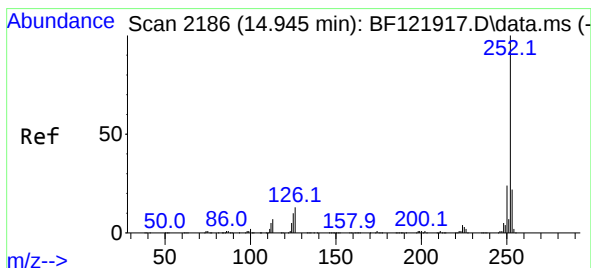
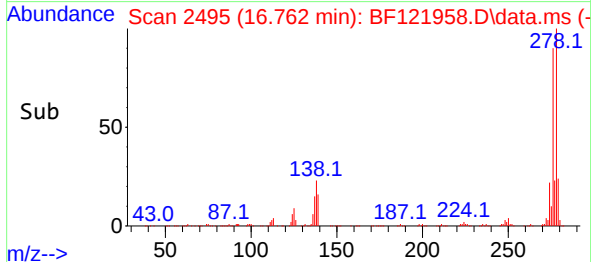
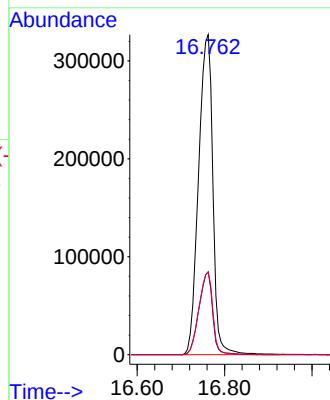
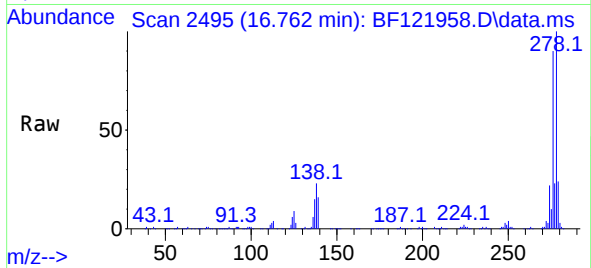
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 41.75 ng  
RT: 16.762 min Scan# 2495  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 276 Resp: 743868  
Ion Ratio Lower Upper  
276 100  
138 24.5 19.9 29.9  
277 25.2 20.4 30.6

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

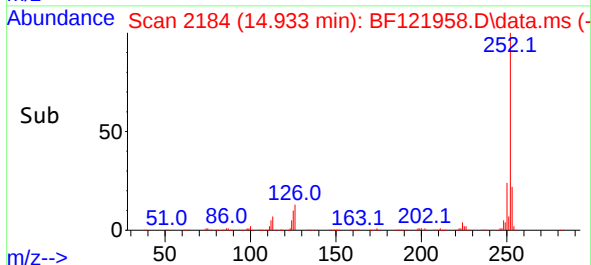
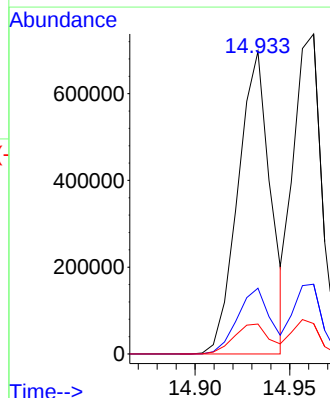
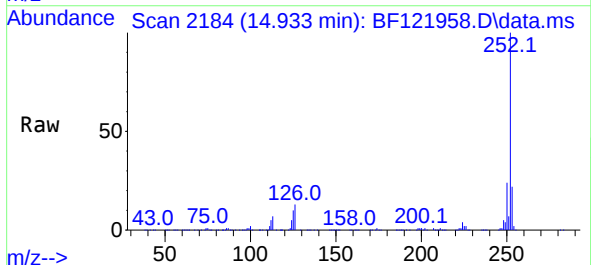
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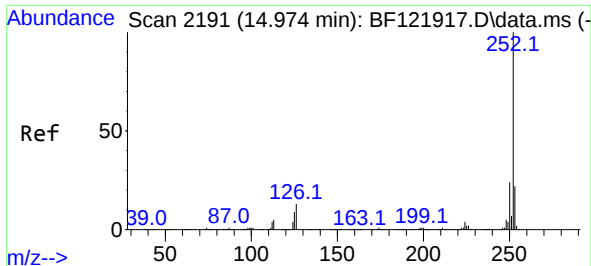
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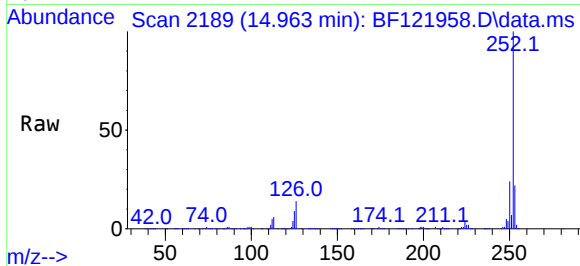
#88  
Benzo(b)fluoranthene  
Concen: 44.79 ng  
RT: 14.933 min Scan# 2184  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion: 252 Resp: 830906  
Ion Ratio Lower Upper  
252 100  
253 21.7 18.2 27.2  
125 9.9 8.0 12.0

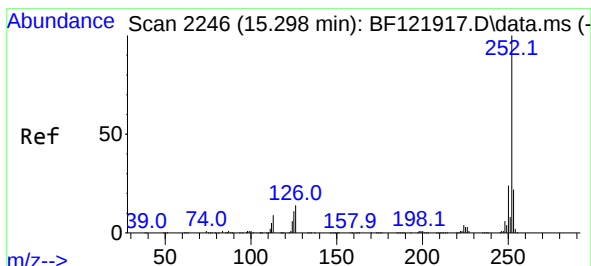
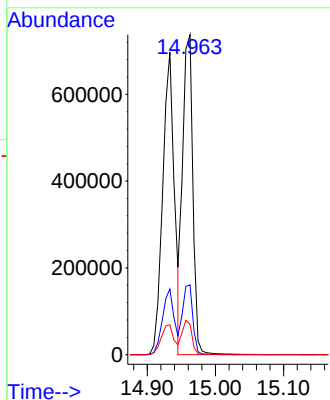
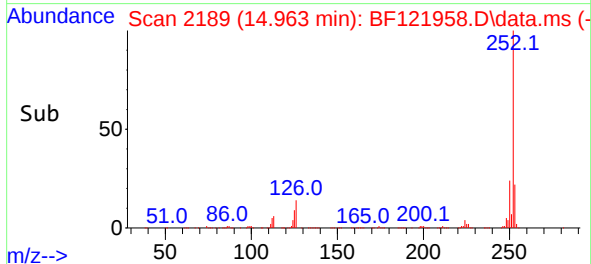




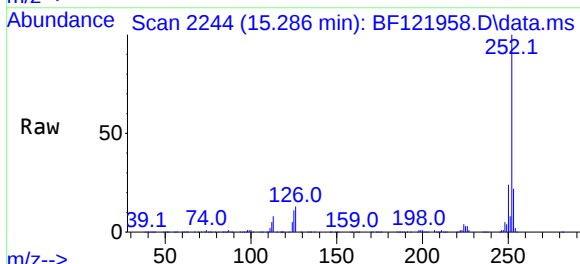
#89  
Benzo(k)fluoranthene  
Concen: 43.18 ng  
RT: 14.963 min Scan# 2189  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



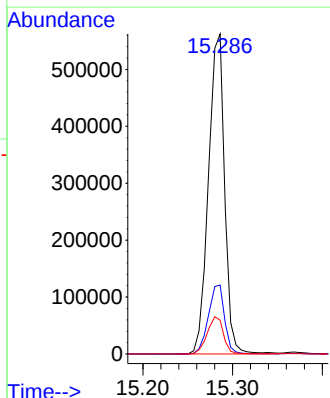
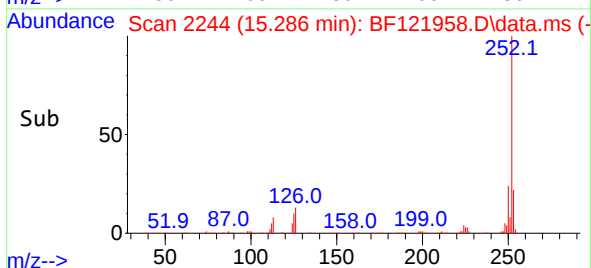
Tgt Ion:252 Resp: 760863  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.6  
125 9.5 7.7 11.5



#90  
Benzo(a)pyrene  
Concen: 43.98 ng  
RT: 15.286 min Scan# 2244  
Delta R.T. -0.012 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20



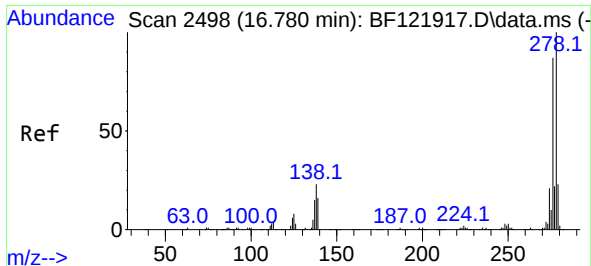
Tgt Ion:252 Resp: 704649  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 10.5 8.6 13.0



Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

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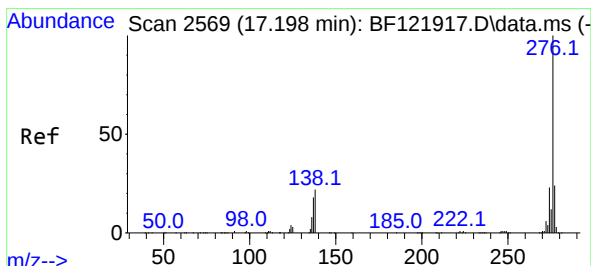
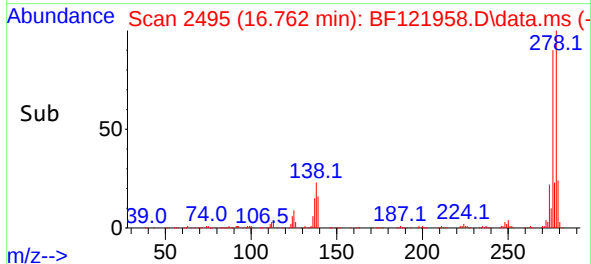
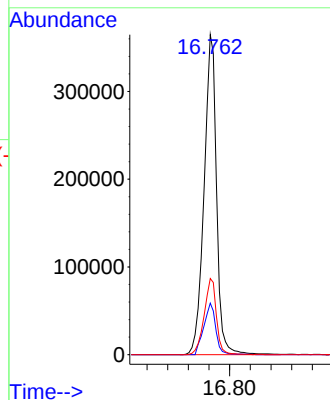
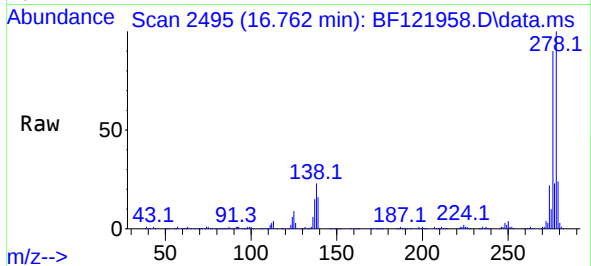
#91  
Dibenzo(a,h)anthracene  
Concen: 41.67 ng  
RT: 16.762 min Scan# 2495  
Delta R.T. -0.018 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:278 Resp: 611269  
Ion Ratio Lower Upper  
278 100  
139 16.1 13.0 19.4  
279 23.8 19.0 28.4

Instrument :  
BNA\_F  
ClientSampleId :  
PB132357BSD

Manual Integrations  
APPROVED

mohammad  
10/15/2020 10:47:11 AM



#92  
Benzo(g,h,i)perylene  
Concen: 41.52 ng  
RT: 17.180 min Scan# 2566  
Delta R.T. -0.018 min  
Lab File: BF121958.D  
Acq: 14 Oct 2020 15:20

Tgt Ion:276 Resp: 609607  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.4 29.2  
138 21.8 17.8 26.6

