

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021021\  
 Data File : BF123176.D  
 Acq On : 10 Feb 2021 18:23  
 Operator : JU/CG  
 Sample : M1347-01MSD  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-03-020921MSD

Manual Integrations  
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 2/11/2021 9:46:26 AM

Quant Time: Feb 11 01:35:45 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012721.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 01:29:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 158791   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8            | 8.169  | 136  | 609863   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 9.927  | 164  | 320504   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.416 | 188  | 548208   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12              | 14.068 | 240  | 349304   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 15.556 | 264  | 383040   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1189261  | 115.53 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 1513456  | 108.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.451  | 82   | 969229   | 79.98  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.721 | 330  | 416055   | 119.58 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl          | 9.245  | 172  | 1754481  | 81.38  | ng    | -0.02    |
| 79) Terphenyl-d14             | 13.010 | 244  | 1519525  | 85.47  | ng    | -0.02    |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.675  | 88   | 172326   | 33.65  | ng    | 98       |
| 3) Pyridine                   | 3.434  | 79   | 486896   | 35.55  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 238110   | 41.31  | ng    | 91       |
| 6) Aniline                    | 6.545  | 93   | 405074   | 23.59  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 538247   | 48.24  | ng    | 99       |
| 9) Benzaldehyde               | 6.428  | 77   | 229167   | 35.92  | ng    | 97       |
| 10) Phenol                    | 6.528  | 94   | 668179   | 48.29  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 495538   | 43.03  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 569346   | 43.75  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 574980   | 42.43  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 556437   | 43.89  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 431213   | 44.08  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 653039   | 36.78  | ng    | 98       |
| 17) 2-Methylphenol            | 7.133  | 107  | 457520   | 48.19  | ng    | 97       |
| 18) Hexachloroethane          | 7.398  | 117  | 203340   | 42.84  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.298  | 70   | 356822   | 42.53  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 528247   | 47.23  | ng    | 97       |
| 22) Acetophenone              | 7.292  | 105  | 693106   | 43.62  | ng    | # 97     |
| 24) Nitrobenzene              | 7.469  | 77   | 561520   | 44.97  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 988532   | 44.53  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.780  | 139  | 270596   | 52.41  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 448906   | 48.19  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.916  | 93   | 619780   | 40.92  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.027  | 162  | 453890   | 46.59  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.110  | 180  | 487429   | 44.41  | ng    | 99       |
| 31) Naphthalene               | 8.192  | 128  | 1488878  | 44.51  | ng    | 99       |
| 32) Benzoic acid              | 7.904  | 122  | 61364m   | 12.25  | ng    |          |
| 33) 4-Chloroaniline           | 8.233  | 127  | 253196   | 17.05  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.310  | 225  | 291525   | 45.98  | ng    | 99       |
| 35) Caprolactam               | 8.610  | 113  | 139937m  | 42.50  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.722  | 107  | 495972   | 48.96  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.886  | 142  | 1006722  | 45.33  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.986  | 142  | 951969   | 45.27  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.051  | 216  | 483687   | 48.51  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.039  | 237  | 311033   | 65.72  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.163  | 196  | 318839   | 46.64  | ng    | 99       |

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Manual Integrations  
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 QLast Update : Thu Feb 11 01:29:27 2021  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 340363   | 47.62 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.351  | 154  | 1200458  | 45.66 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.374  | 162  | 961017   | 43.67 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.469  | 65   | 307827   | 46.15 | ng    | 92       |
| 49) Acenaphthylene            | 9.792  | 152  | 1508562  | 46.84 | ng    | 100      |
| 50) Dimethylphthalate         | 9.651  | 163  | 1208310  | 48.05 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.710  | 165  | 261246   | 48.77 | ng    | 93       |
| 52) Acenaphthene              | 9.963  | 154  | 894449   | 43.23 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.874  | 138  | 184792   | 29.17 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 25722    | 16.45 | ng    | 89       |
| 55) Dibenzofuran              | 10.133 | 168  | 1322531  | 43.93 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 374310   | 81.75 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.116 | 165  | 350380   | 50.30 | ng    | 96       |
| 58) Fluorene                  | 10.480 | 166  | 1029879  | 42.82 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.251 | 232  | 251747   | 41.53 | ng    | 97       |
| 60) Diethylphthalate          | 10.351 | 149  | 1124583  | 45.48 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204  | 507793   | 44.94 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 250449   | 39.35 | ng    | 99       |
| 63) Azobenzene                | 10.627 | 77   | 1030563  | 42.59 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.521 | 198  | 37269    | 16.02 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 10.586 | 169  | 939329   | 47.54 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.963 | 248  | 331764   | 47.52 | ng    | 94       |
| 68) Hexachlorobenzene         | 11.033 | 284  | 359293   | 47.98 | ng    | 95       |
| 69) Atrazine                  | 11.116 | 200  | 241840   | 44.32 | ng    | 100      |
| 70) Pentachlorophenol         | 11.221 | 266  | 276567   | 68.15 | ng    | 98       |
| 71) Phenanthrene              | 11.445 | 178  | 1511967  | 44.41 | ng    | 99       |
| 72) Anthracene                | 11.498 | 178  | 1522521  | 46.61 | ng    | 99       |
| 73) Carbazole                 | 11.651 | 167  | 1302344  | 42.96 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.980 | 149  | 1603078  | 44.60 | ng    | 100      |
| 75) Fluoranthene              | 12.639 | 202  | 1580243  | 46.44 | ng    | 98       |
| 77) Benzidine                 | 12.757 | 184  | 414632   | 52.46 | ng    | # 95     |
| 78) Pyrene                    | 12.868 | 202  | 1539092  | 58.37 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.486 | 149  | 560336   | 49.38 | ng    | 96       |
| 81) Benzo(a)anthracene        | 14.062 | 228  | 1335163  | 56.48 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.021 | 252  | 228423   | 30.70 | ng    | 97       |
| 83) Chrysene                  | 14.098 | 228  | 1258970  | 53.21 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.045 | 149  | 708428   | 46.99 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.662 | 149  | 1138302  | 44.96 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.068 | 276  | 1533325  | 60.11 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.121 | 252  | 1537775  | 55.62 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.151 | 252  | 1172409  | 45.64 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.498 | 252  | 1316309  | 54.21 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.086 | 278  | 1185167  | 56.45 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.521 | 276  | 1261218  | 61.99 | ng    | 99       |

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

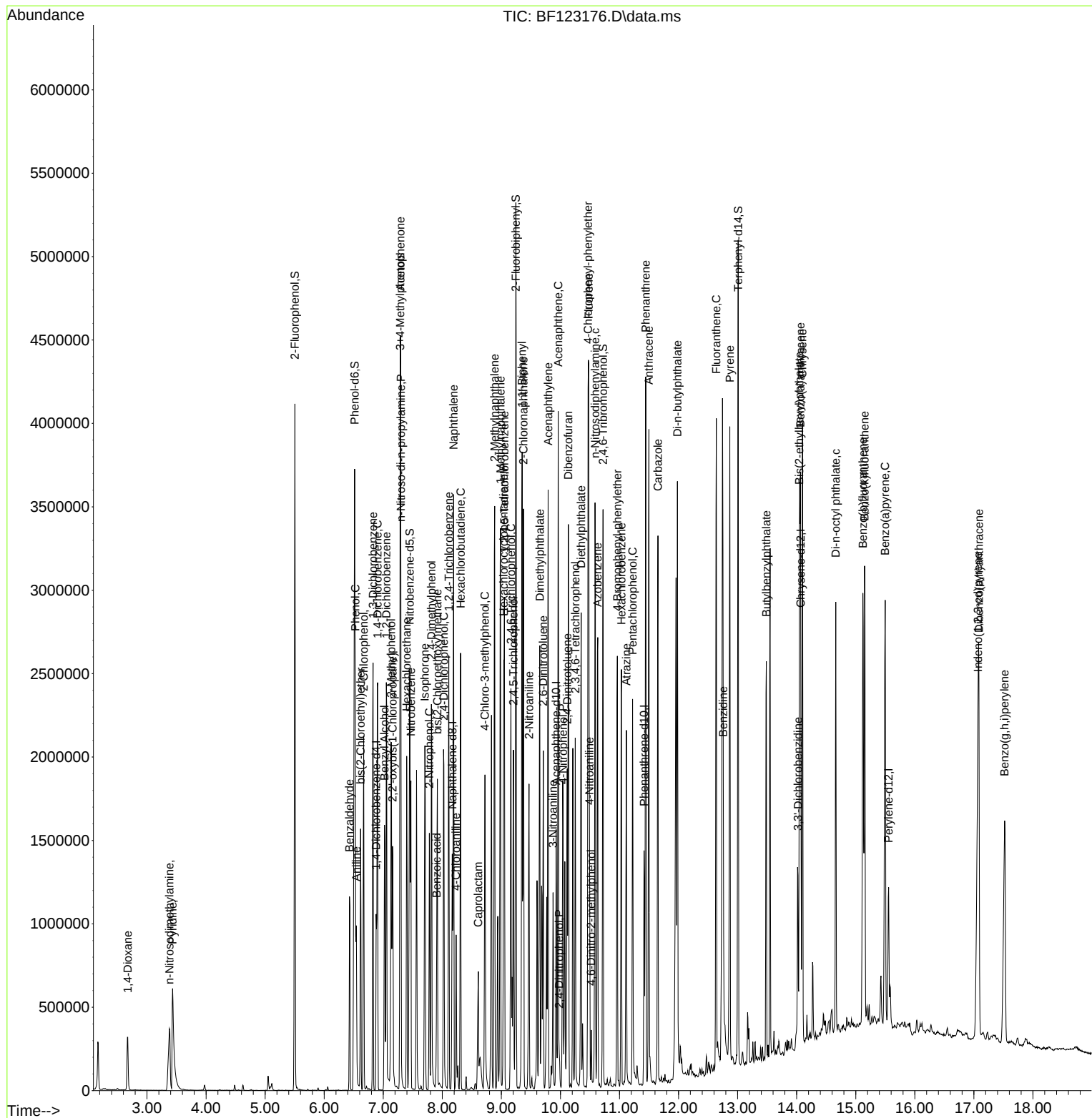
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021021\  
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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

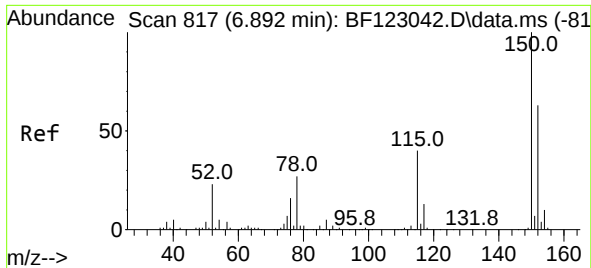
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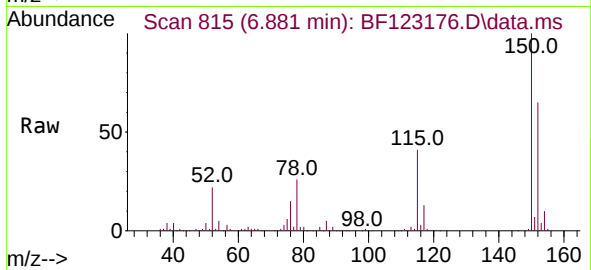
Quant Time: Feb 11 01:35:45 2021  
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.881 min Scan# 815  
 Delta R.T. -0.011 min  
 Lab File: BF123176.D  
 Acq: 10 Feb 2021 18:23

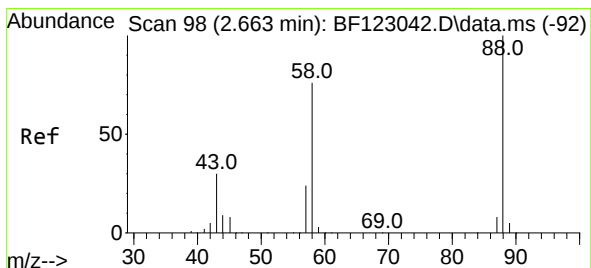
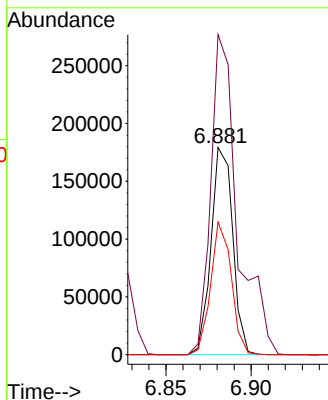
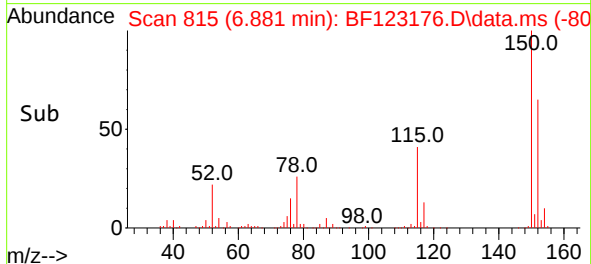
Instrument :  
 BNA\_F  
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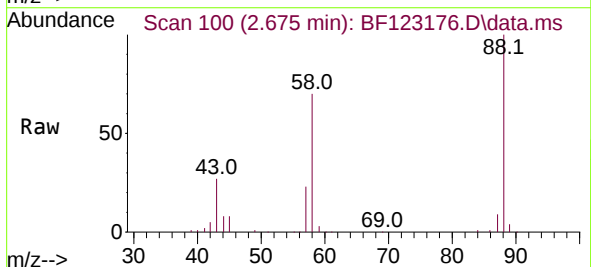
Tgt Ion:152 Resp: 158791  
 Ion Ratio Lower Upper  
 152 100  
 150 154.4 125.8 188.6  
 115 64.1 49.3 73.9

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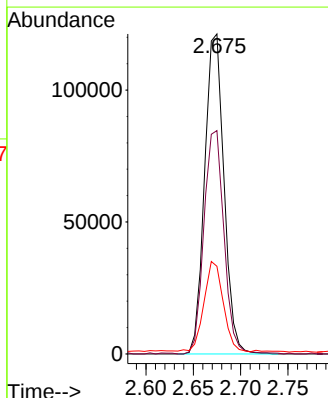
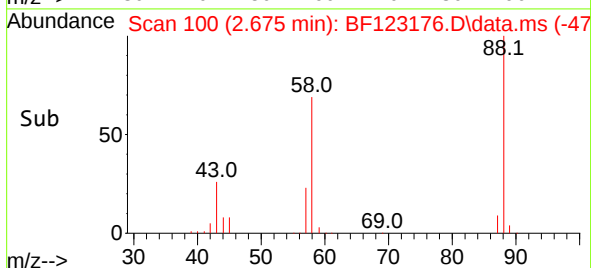
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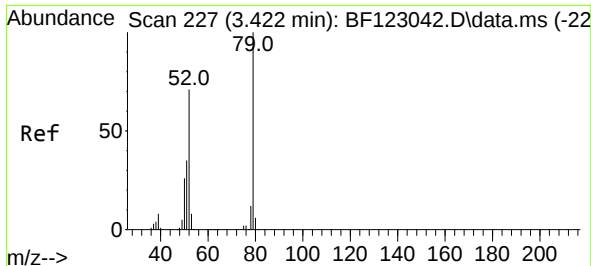


#2  
 1,4-Dioxane  
 Concen: 33.65 ng  
 RT: 2.675 min Scan# 100  
 Delta R.T. 0.012 min  
 Lab File: BF123176.D  
 Acq: 10 Feb 2021 18:23



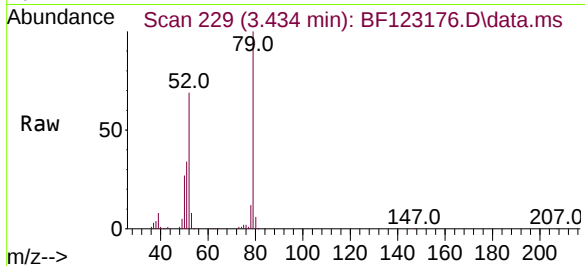
Tgt Ion: 88 Resp: 172326  
 Ion Ratio Lower Upper  
 88 100  
 58 72.4 56.2 84.2  
 43 28.0 21.8 32.6





#3  
Pyridine  
Concen: 35.55 ng  
RT: 3.434 min Scan# 229  
Delta R.T. 0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

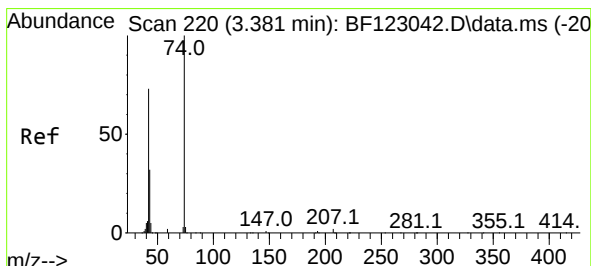
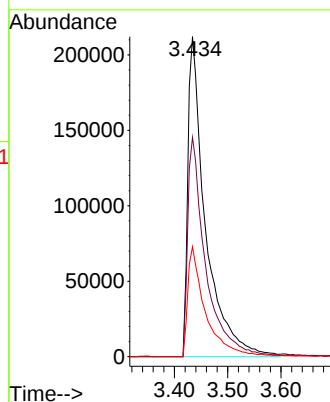
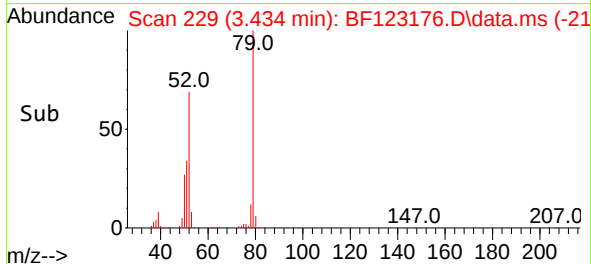
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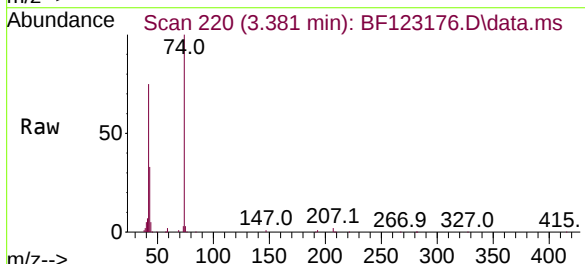
Tgt Ion: 79 Resp: 486896  
Ion Ratio Lower Upper  
79 100  
52 68.6 53.0 79.4  
51 34.4 26.6 39.8

Manual Integrations  
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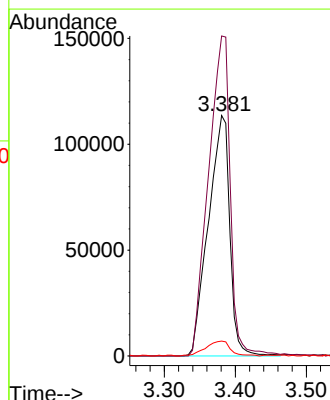
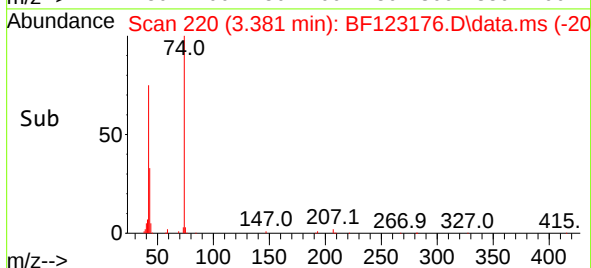
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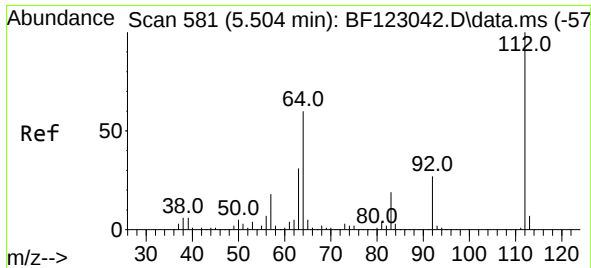


#4  
n-Nitrosodimethylamine  
Concen: 41.31 ng  
RT: 3.381 min Scan# 220  
Delta R.T. -0.000 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion: 42 Resp: 238110  
Ion Ratio Lower Upper  
42 100  
74 133.0 115.2 172.8  
44 6.2 5.4 8.0





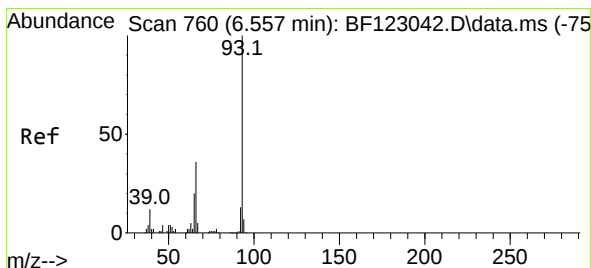
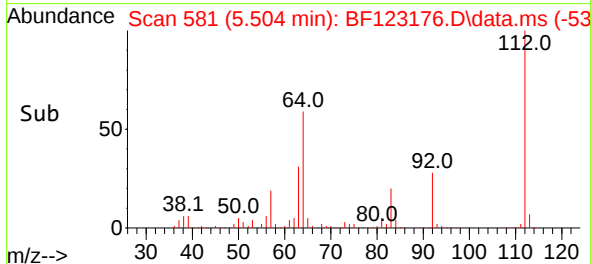
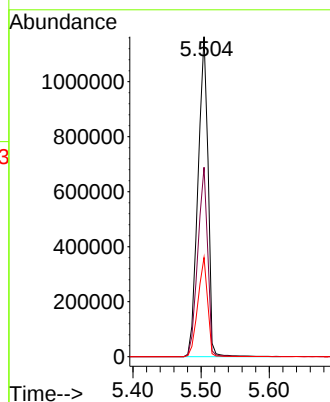
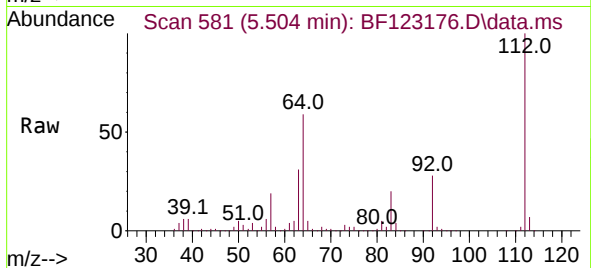
#5  
2-Fluorophenol  
Concen: 115.53 ng  
RT: 5.504 min Scan# 581  
Delta R.T. -0.000 min  
Lab File: BF123176.D  
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Tgt Ion:112 Resp: 1189261  
Ion Ratio Lower Upper  
112 100  
64 59.2 46.9 70.3  
63 31.0 24.5 36.7

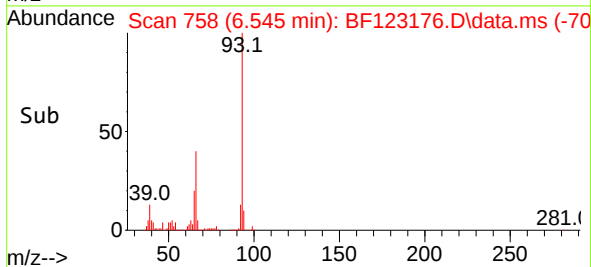
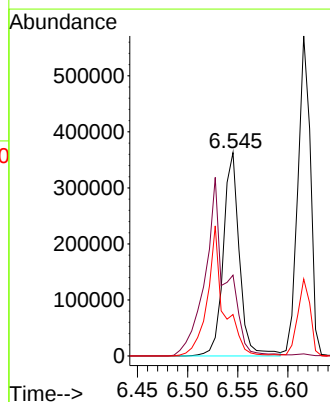
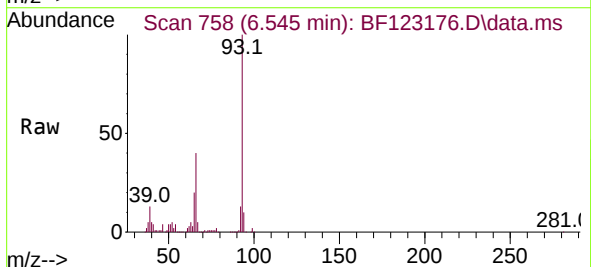
Manual Integrations  
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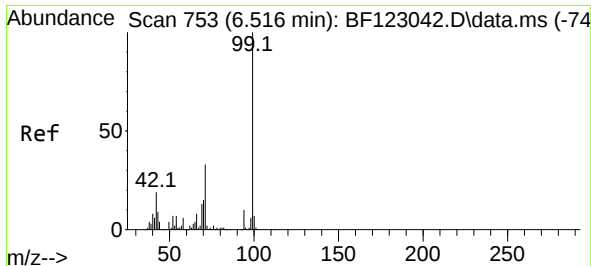
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2/11/2021 9:46:26 AM



#6  
Aniline  
Concen: 23.59 ng  
RT: 6.545 min Scan# 758  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 93 Resp: 405074  
Ion Ratio Lower Upper  
93 100  
66 39.8 31.3 46.9  
65 20.4 15.6 23.4





#7  
Phenol-d6  
Concen: 108.47 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

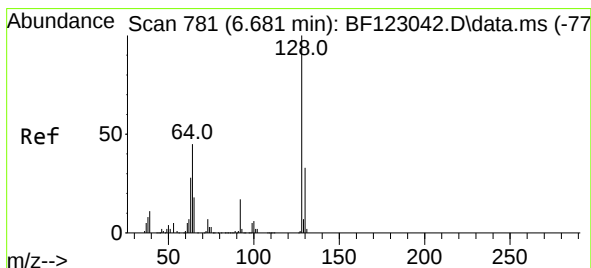
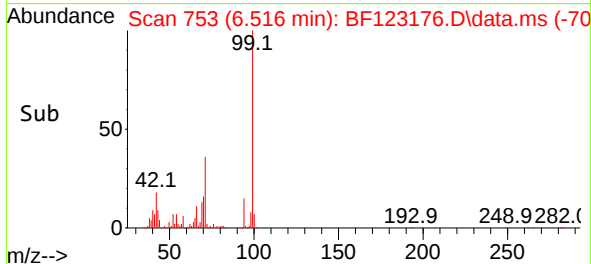
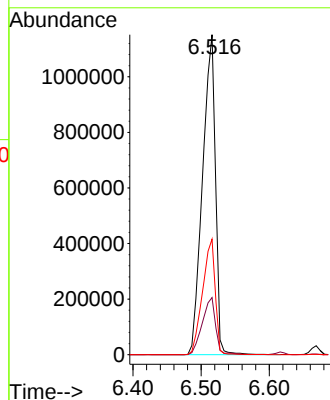
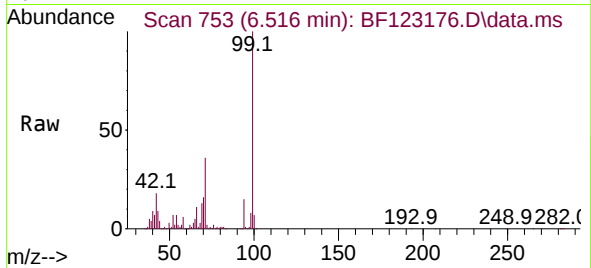
Tgt Ion: 99 Resp: 1513456

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.9  | 13.8  | 20.6  |
| 71  | 36.1  | 26.9  | 40.3  |

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APPROVED

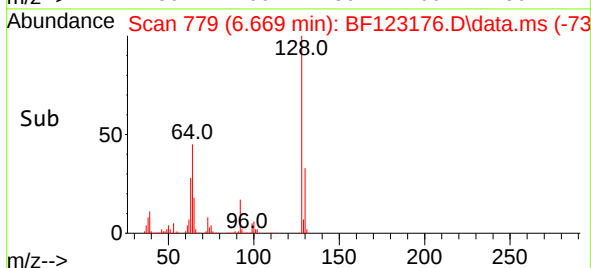
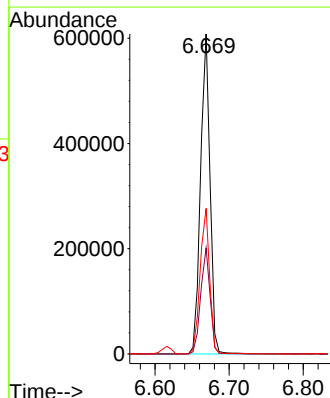
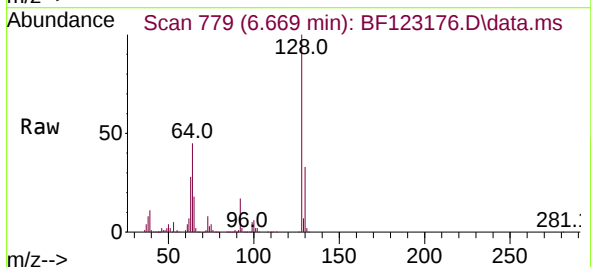
mohammad  
2/11/2021 9:46:26 AM

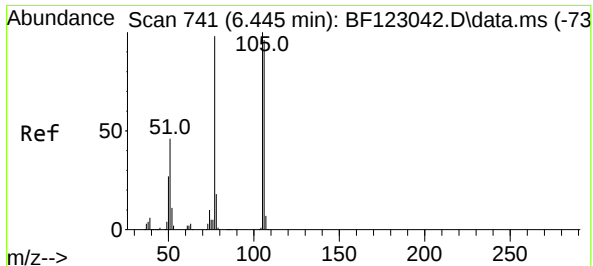


#8  
2-Chlorophenol  
Concen: 48.24 ng  
RT: 6.669 min Scan# 779  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 128 Resp: 538247

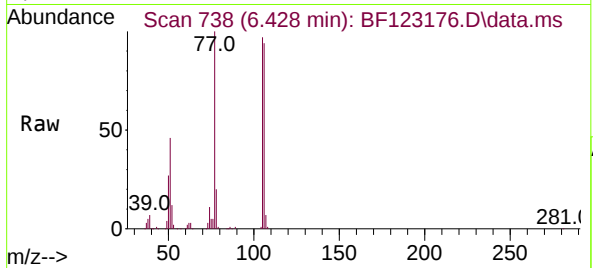
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.1  | 12.3  | 52.3  |
| 64  | 45.5  | 25.5  | 65.5  |





#9  
Benzaldehyde  
Concen: 35.92 ng  
RT: 6.428 min Scan# 738  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

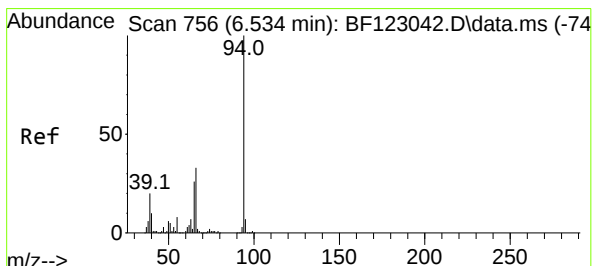
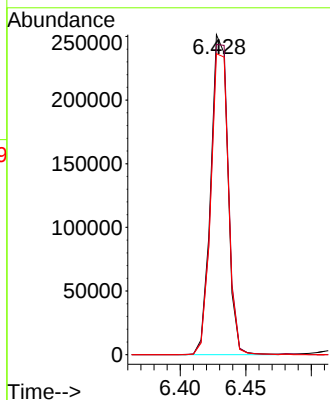
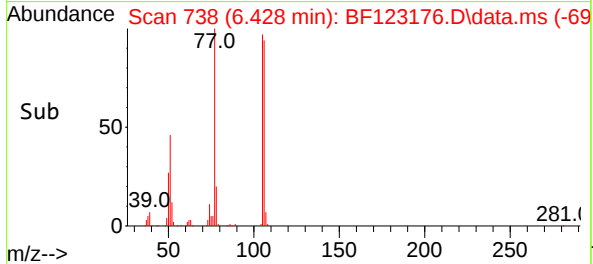
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



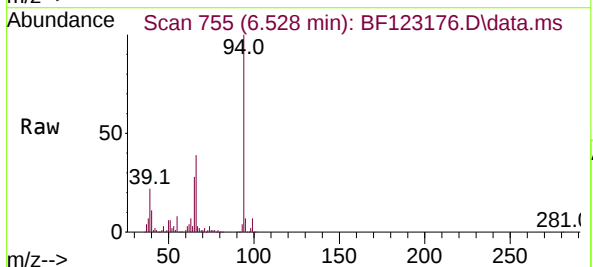
Tgt Ion: 77 Resp: 229167  
Ion Ratio Lower Upper  
77 100  
105 97.0 80.6 120.6  
106 94.1 77.2 117.2

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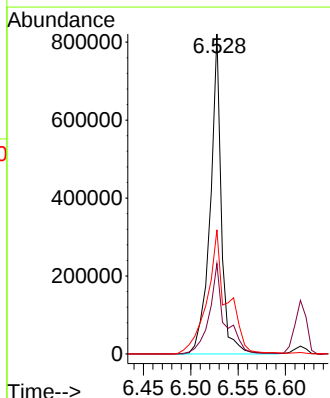
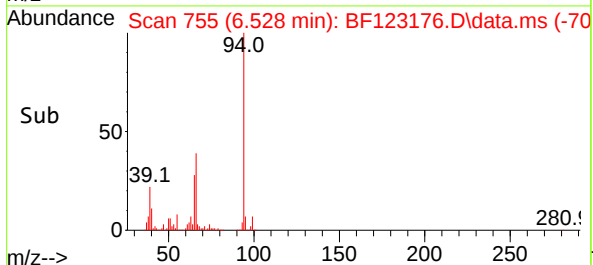
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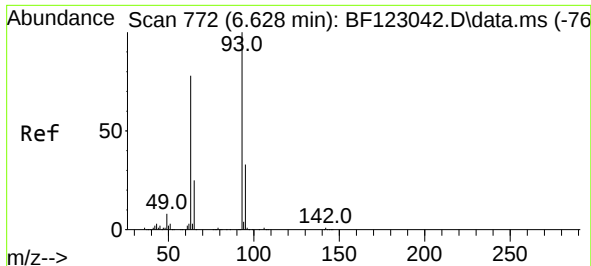


#10  
Phenol  
Concen: 48.29 ng  
RT: 6.528 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion: 94 Resp: 668179  
Ion Ratio Lower Upper  
94 100  
65 28.3 11.2 51.2  
66 38.8 25.8 65.8





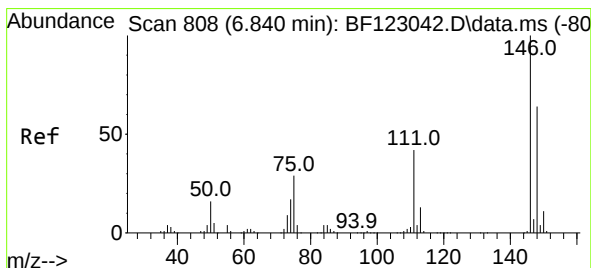
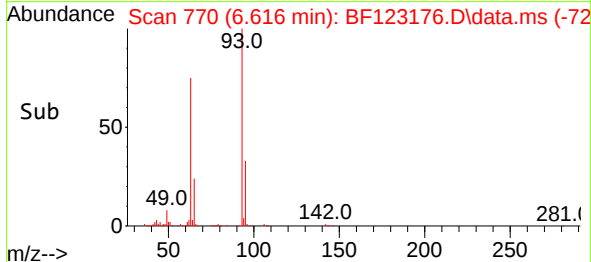
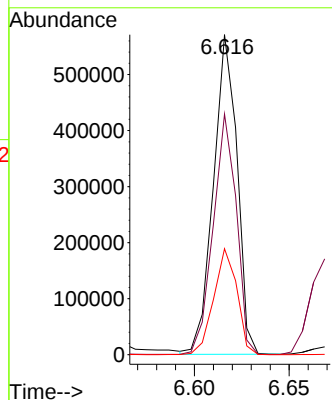
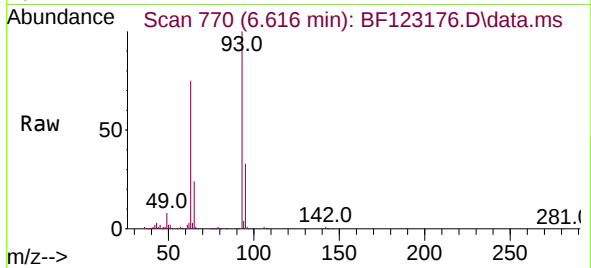
#11  
bis(2-Chloroethyl)ether  
Concen: 43.03 ng  
RT: 6.616 min Scan# 770  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 93 Resp: 495538  
Ion Ratio Lower Upper  
93 100  
63 75.2 52.6 92.6  
95 33.1 12.6 52.6

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

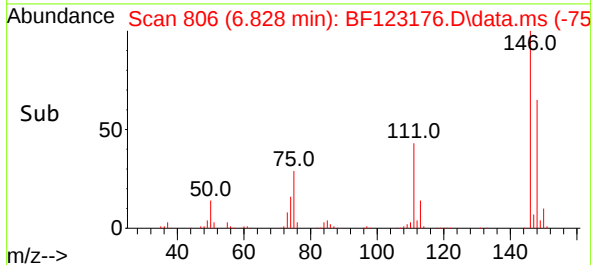
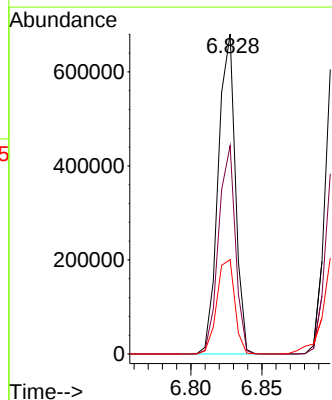
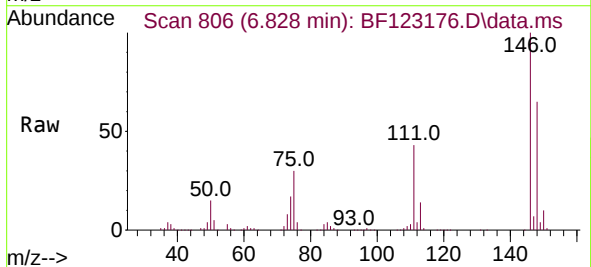
Manual Integrations  
APPROVED

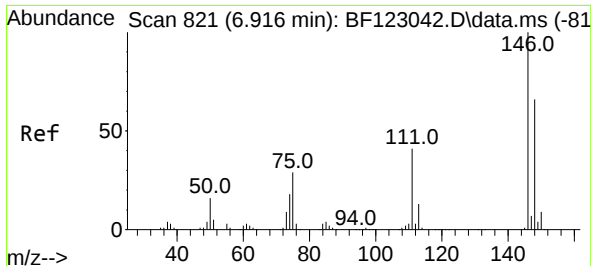
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#12  
1,3-Dichlorobenzene  
Concen: 43.75 ng  
RT: 6.828 min Scan# 806  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 146 Resp: 569346  
Ion Ratio Lower Upper  
146 100  
148 65.1 51.8 77.8  
75 29.5 22.5 33.7





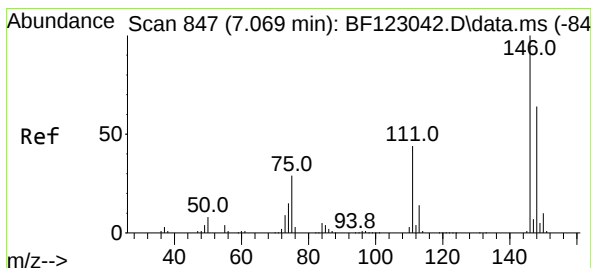
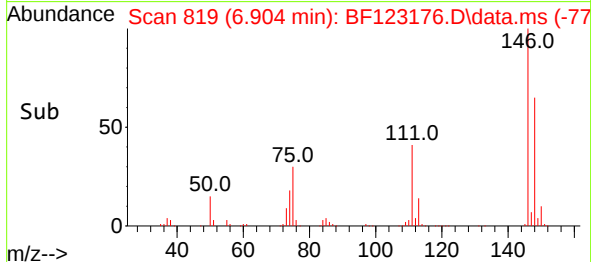
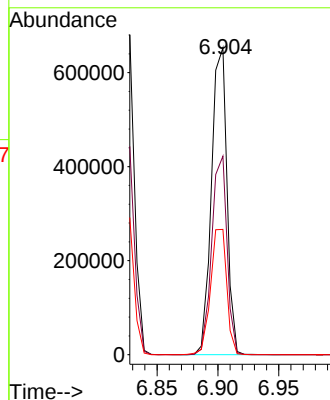
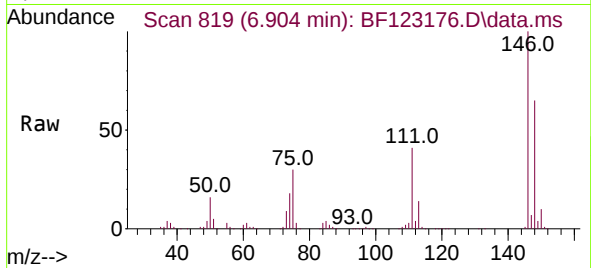
#13  
1,4-Dichlorobenzene  
Concen: 42.43 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:146 Resp: 574980  
Ion Ratio Lower Upper  
146 100  
148 64.7 52.0 78.0  
111 40.9 32.3 48.5

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

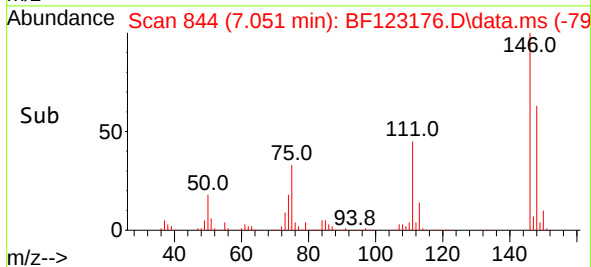
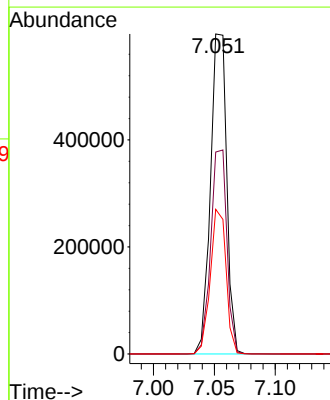
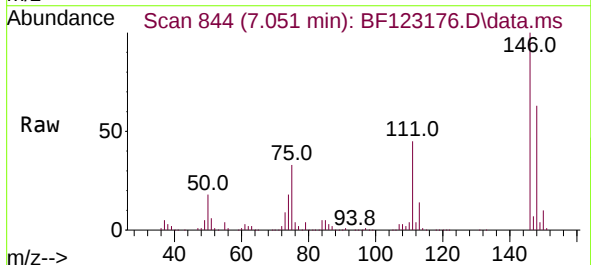
Manual Integrations  
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#14  
1,2-Dichlorobenzene  
Concen: 43.89 ng  
RT: 7.051 min Scan# 844  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:146 Resp: 556437  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.5 77.3  
111 45.2 34.2 51.2

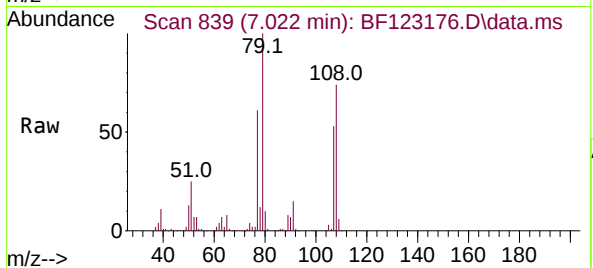




#15

Benzyl Alcohol  
Concen: 44.08 ng  
RT: 7.022 min Scan# 839  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

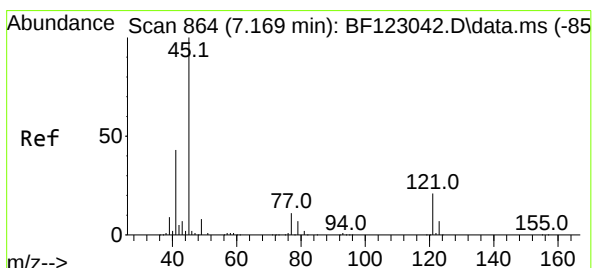
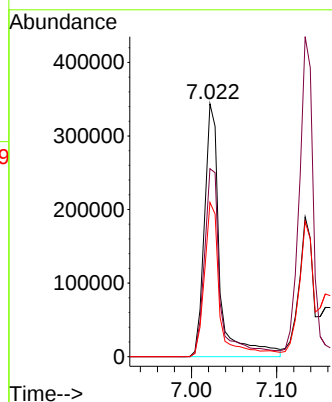
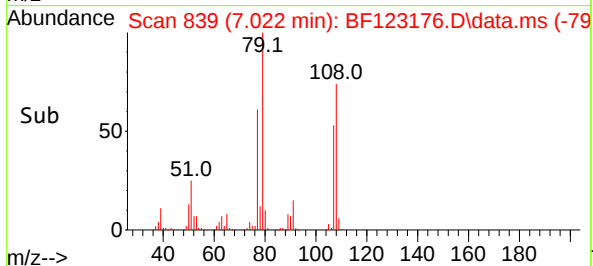
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 79    | Resp: | 431213 |
| Ion      | Ratio | Lower | Upper  |
| 79       | 100   |       |        |
| 108      | 74.4  | 62.4  | 93.6   |
| 77       | 61.0  | 49.0  | 73.6   |

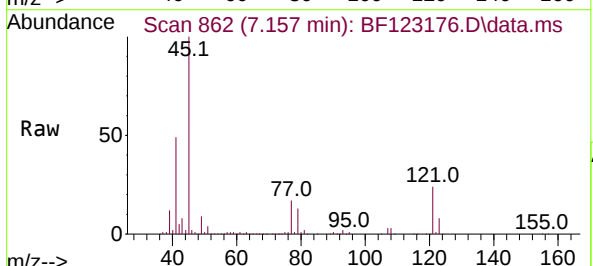
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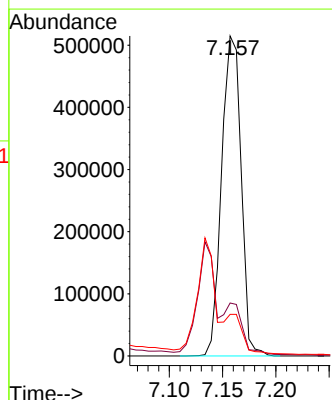
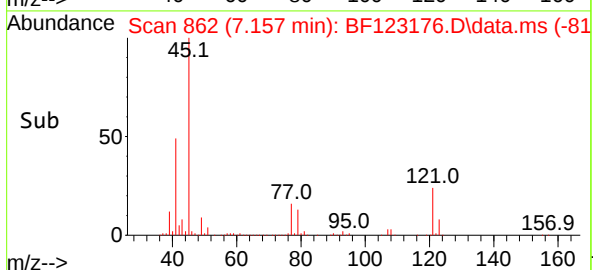


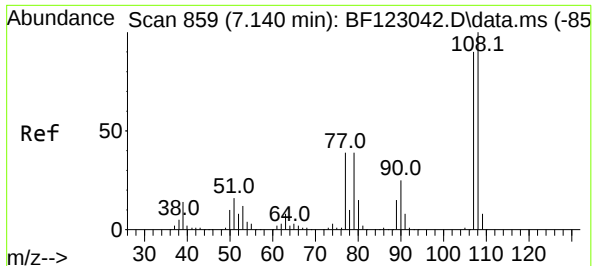
#16

2,2'-oxybis(1-Chloropropane)  
Concen: 36.78 ng  
RT: 7.157 min Scan# 862  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 45    | Resp: | 653039 |
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 77       | 16.5  | 0.0   | 35.6   |
| 79       | 13.0  | 0.0   | 32.4   |





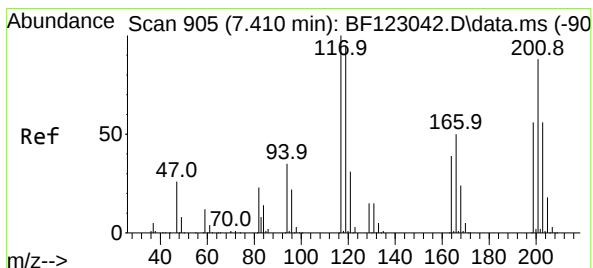
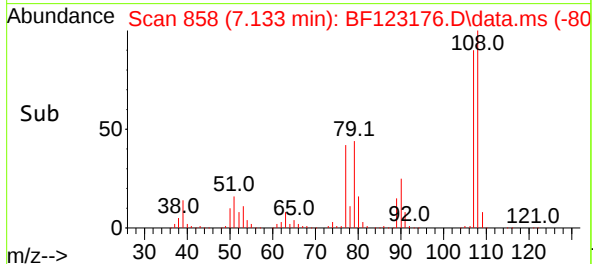
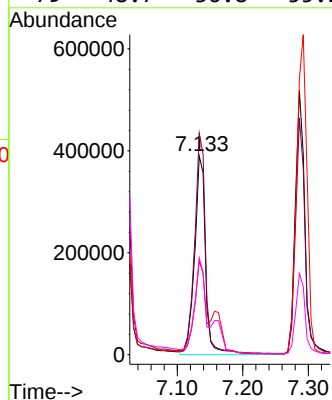
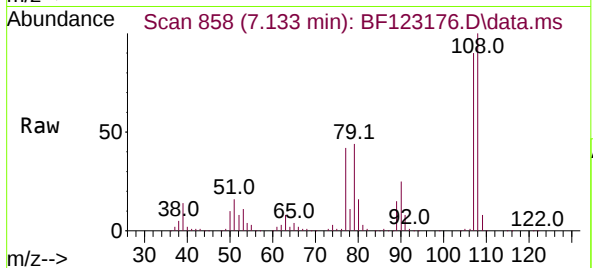
#17  
2-Methylphenol  
Concen: 48.19 ng  
RT: 7.133 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 457520 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 111.5 | 91.1  | 136.7  |
| 77       | 47.1  | 36.3  | 54.5   |
| 79       | 48.7  | 36.8  | 55.2   |

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

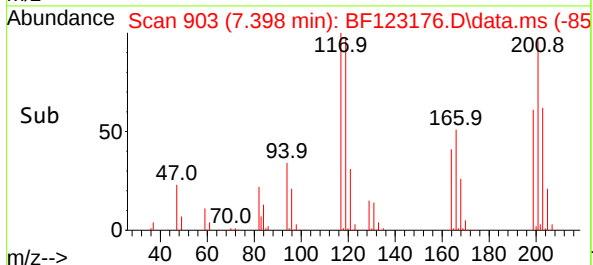
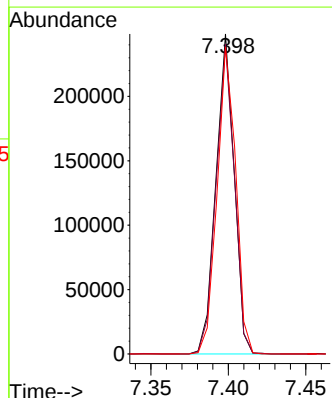
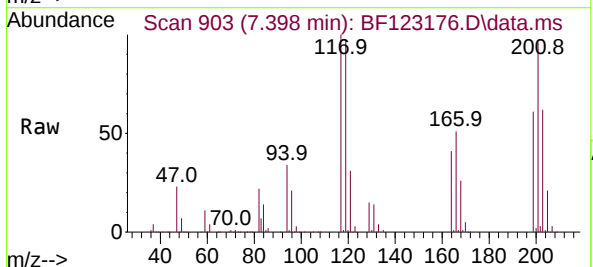
Manual Integrations  
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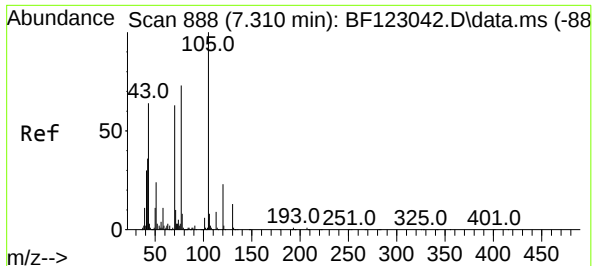
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#18  
Hexachloroethane  
Concen: 42.84 ng  
RT: 7.398 min Scan# 903  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 203340 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.8  | 78.4  | 117.6  |
| 201      | 96.0  | 79.6  | 119.4  |





#19

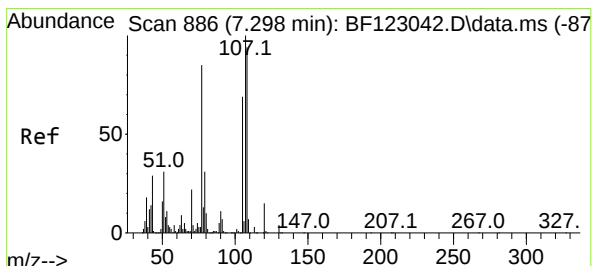
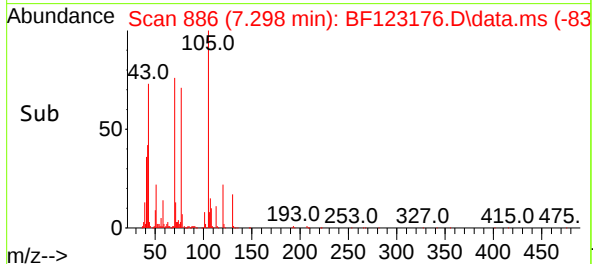
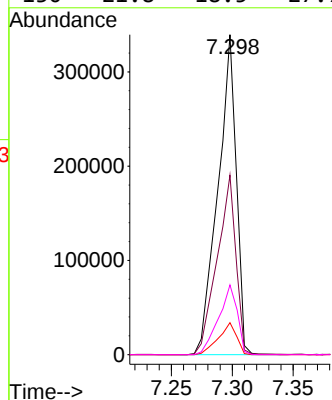
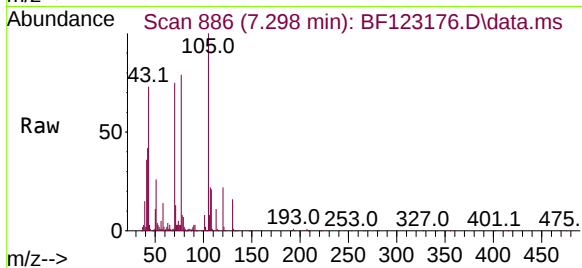
n-Nitroso-di-n-propylamine  
Concen: 42.53 ng  
RT: 7.298 min Scan# 886  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 70    | Resp: | 356822 |
| Ion Ratio | Lower | Upper |        |
| 70        | 100   |       |        |
| 42        | 56.1  | 43.0  | 64.4   |
| 101       | 10.0  | 7.9   | 11.9   |
| 130       | 21.8  | 18.5  | 27.7   |

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

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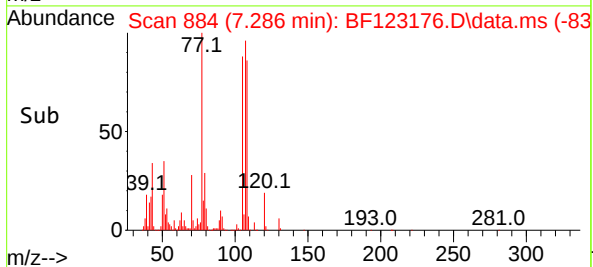
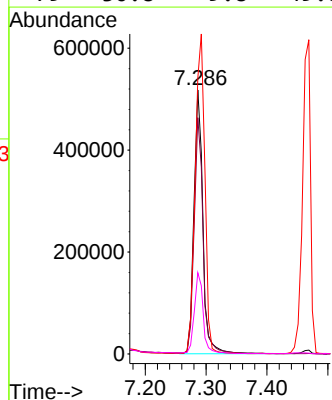
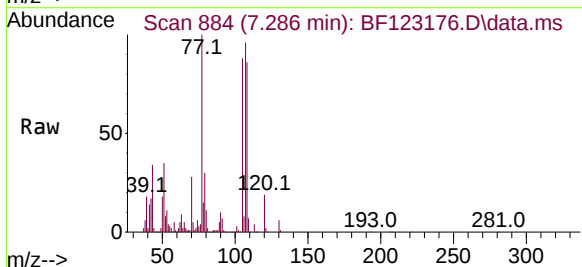
mohammad  
2/11/2021 9:46:26 AM

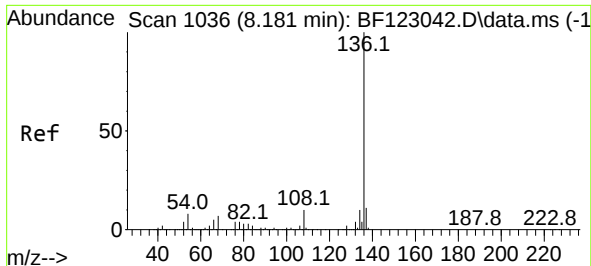


#20

3+4-Methylphenols  
Concen: 47.23 ng  
RT: 7.286 min Scan# 884  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

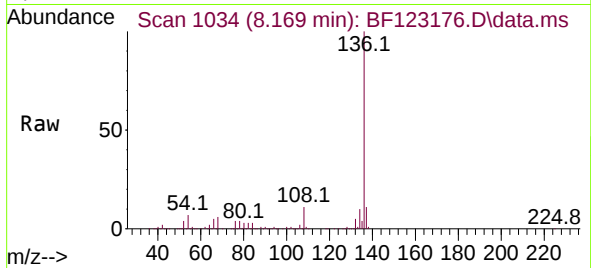
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 528247 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 89.5  | 68.7  | 108.7  |
| 77        | 104.4 | 89.8  | 129.8  |
| 79        | 30.8  | 9.8   | 49.8   |





#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.169 min Scan# 1034  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

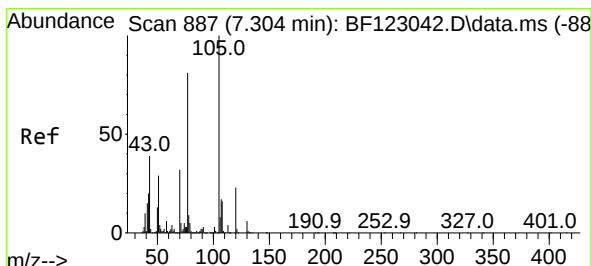
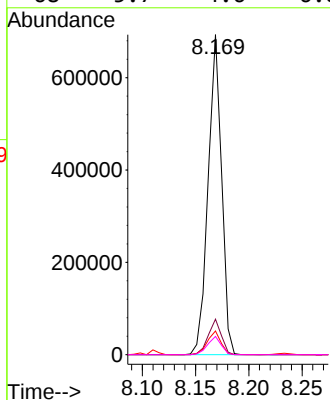
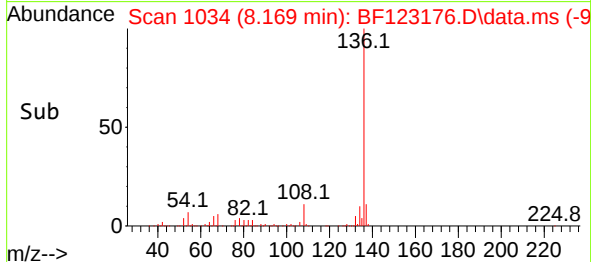
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



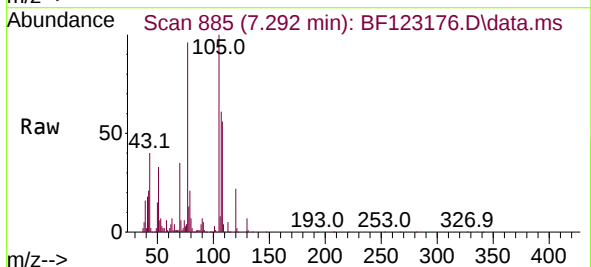
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 609863 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.8   | 13.2   |
| 54        | 7.4   | 5.5   | 8.3    |
| 68        | 5.7   | 4.6   | 6.8    |

Manual Integrations  
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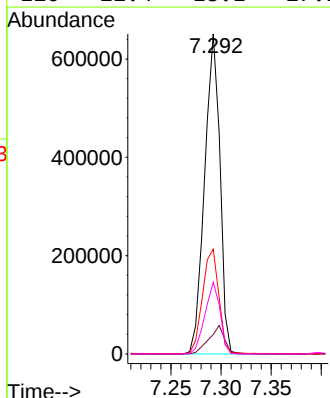
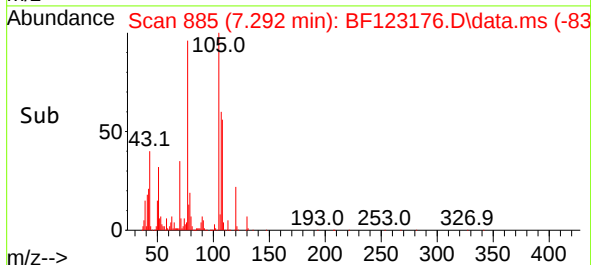
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2/11/2021 9:46:26 AM

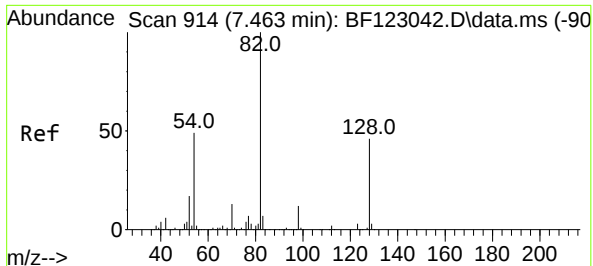


#22  
Acetophenone  
Concen: 43.62 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

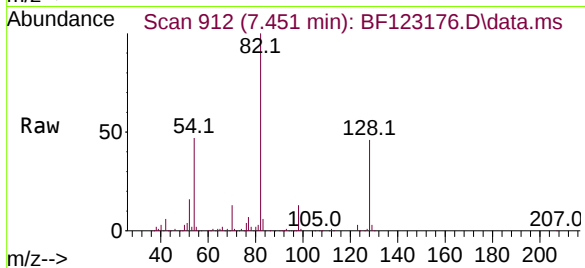


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 693106 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 6.1   | 6.5   | 9.7#   |
| 51        | 32.8  | 24.3  | 36.5   |
| 120       | 22.4  | 18.1  | 27.1   |

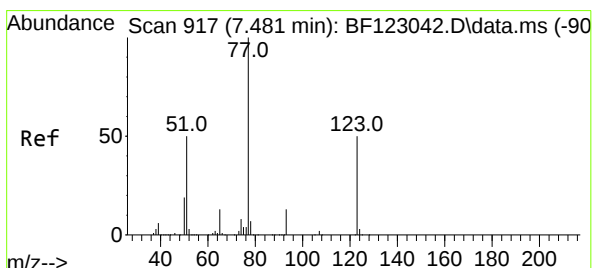
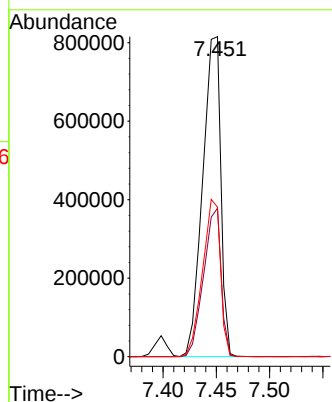
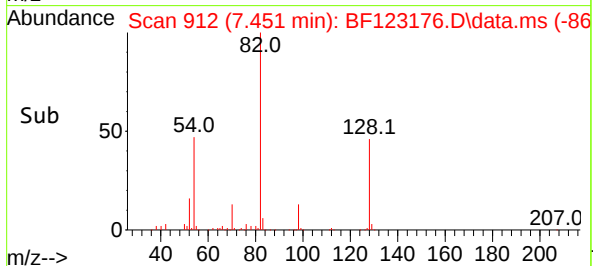




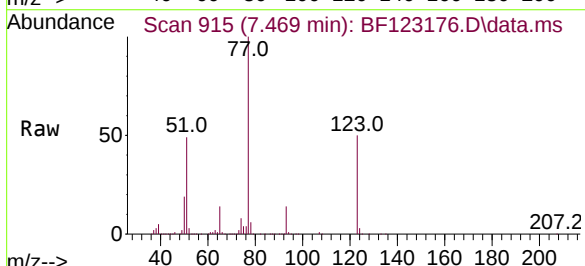
#23  
Nitrobenzene-d5  
Concen: 79.98 ng  
RT: 7.451 min Scan# 912  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
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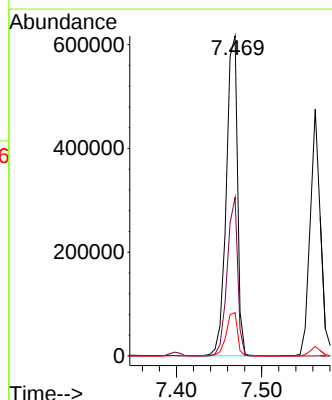
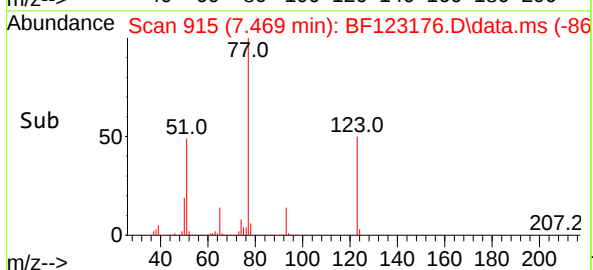
Tgt Ion: 82 Resp: 969229  
Ion Ratio Lower Upper  
82 100  
128 46.4 37.0 55.4  
54 46.8 38.4 57.6



#24  
Nitrobenzene  
Concen: 44.97 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



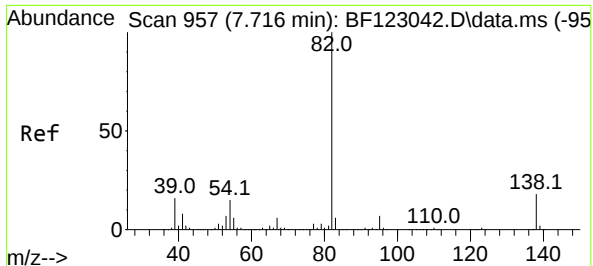
Tgt Ion: 77 Resp: 561520  
Ion Ratio Lower Upper  
77 100  
123 49.5 39.3 58.9  
65 13.6 10.6 15.8



Instrument :  
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ClientSampleId :  
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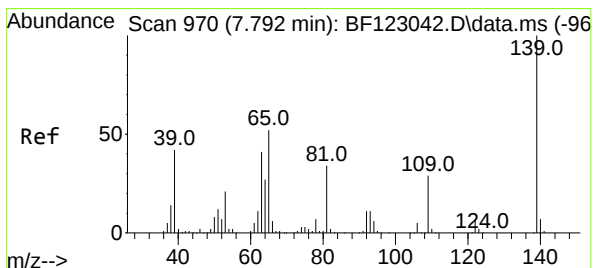
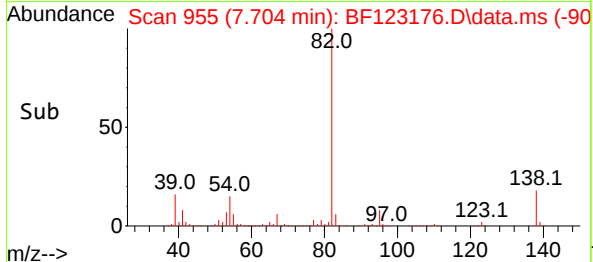
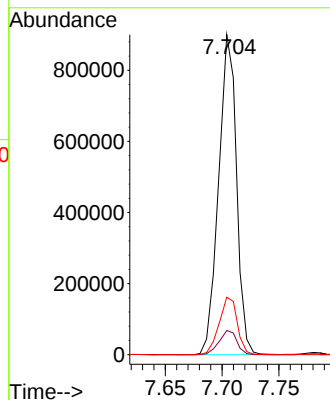
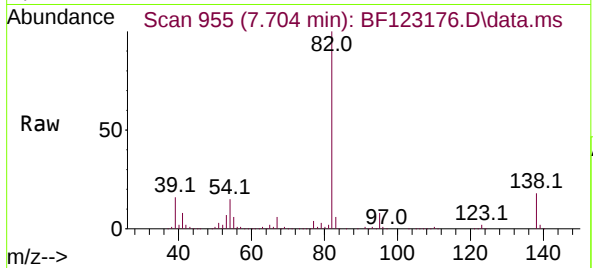
#25  
Isophorone  
Concen: 44.53 ng  
RT: 7.704 min Scan# 955  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 988532 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 95 7.6      | 5.8 8.6      |
| 138 17.9    | 14.6 21.8    |

Instrument :  
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ClientSampleId :  
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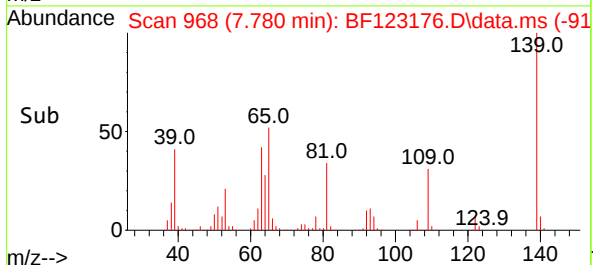
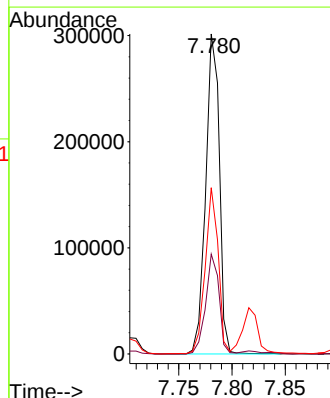
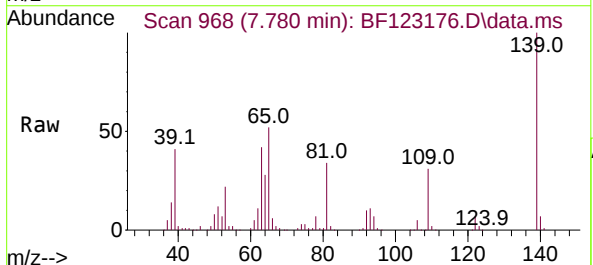
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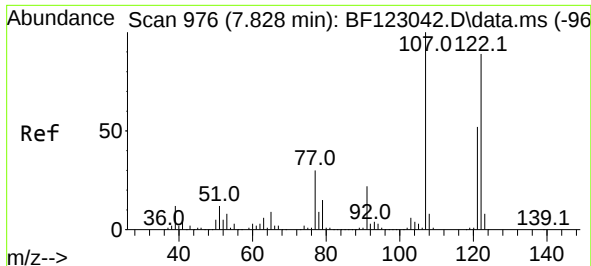
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#26  
2-Nitrophenol  
Concen: 52.41 ng  
RT: 7.780 min Scan# 968  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|             |              |       |  |
|-------------|--------------|-------|--|
| Tgt Ion:139 | Resp: 270596 |       |  |
| Ion Ratio   | Lower        | Upper |  |
| 139 100     |              |       |  |
| 109 31.2    | 24.0         | 36.0  |  |
| 65 52.0     | 40.9         | 61.3  |  |





#27

2,4-Dimethylphenol

Concen: 48.19 ng

RT: 7.816 min Scan# 974

Delta R.T. -0.012 min

Lab File: BF123176.D

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|             |                  |
|-------------|------------------|
| Tgt Ion:122 | Resp: 448906     |
| Ion Ratio   | Lower Upper      |
| 122         | 100              |
| 107         | 117.9 91.8 137.8 |
| 121         | 59.0 47.3 70.9   |

Instrument :

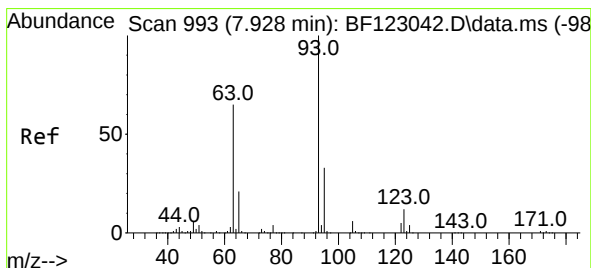
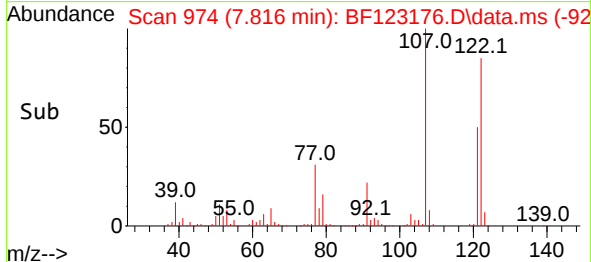
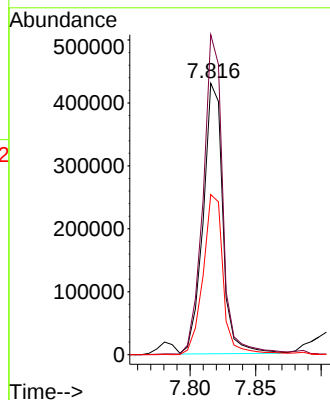
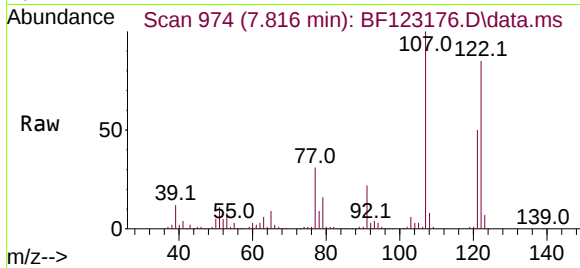
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#28

bis(2-Chloroethoxy)methane

Concen: 40.92 ng

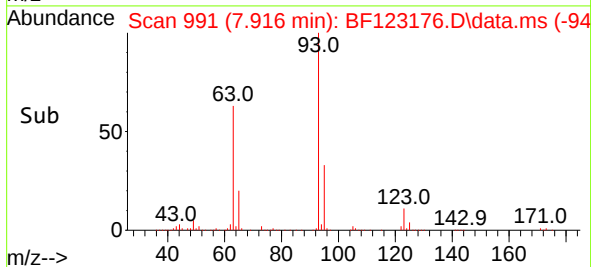
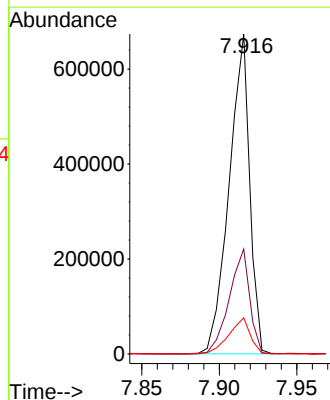
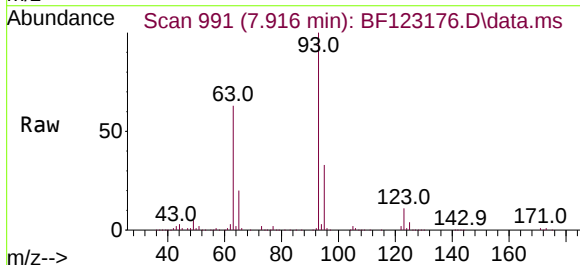
RT: 7.916 min Scan# 991

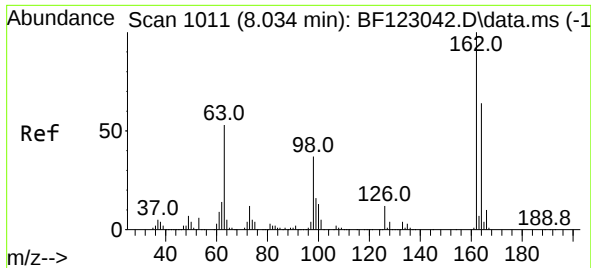
Delta R.T. -0.012 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

|             |                |
|-------------|----------------|
| Tgt Ion: 93 | Resp: 619780   |
| Ion Ratio   | Lower Upper    |
| 93          | 100            |
| 95          | 32.8 26.2 39.2 |
| 123         | 11.3 9.2 13.8  |





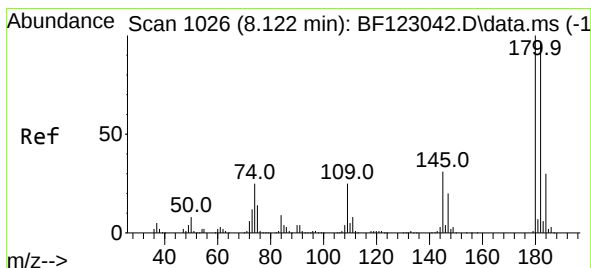
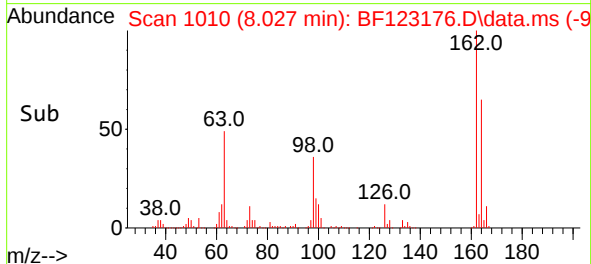
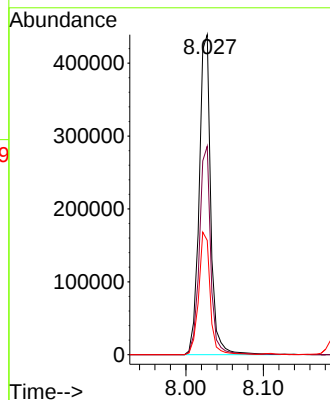
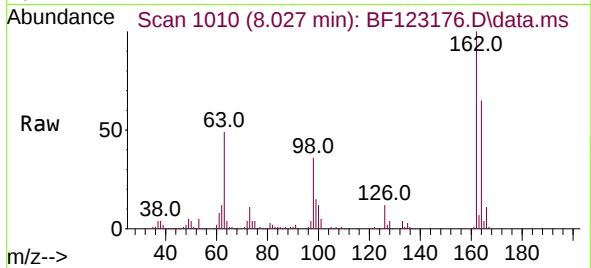
#29  
2,4-Dichlorophenol  
Concen: 46.59 ng  
RT: 8.027 min Scan# 1010  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
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Tgt Ion:162 Resp: 453890  
Ion Ratio Lower Upper  
162 100  
164 65.2 43.2 83.2  
98 35.7 15.2 55.2

Instrument :  
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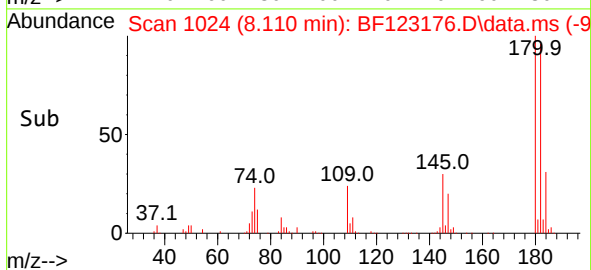
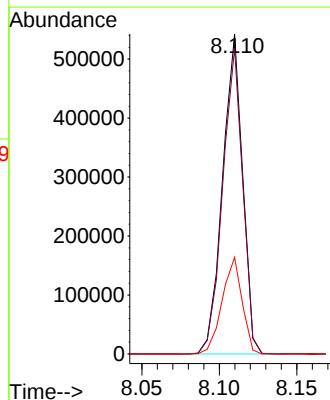
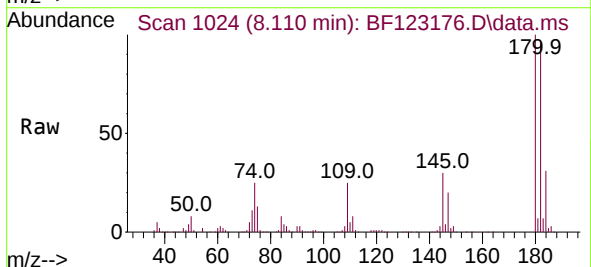
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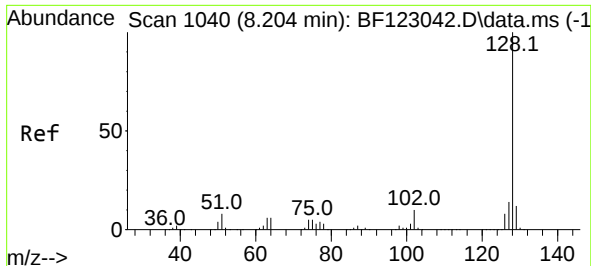
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#30  
1,2,4-Trichlorobenzene  
Concen: 44.41 ng  
RT: 8.110 min Scan# 1024  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
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Tgt Ion:180 Resp: 487429  
Ion Ratio Lower Upper  
180 100  
182 95.6 75.7 113.5  
145 30.2 25.0 37.4





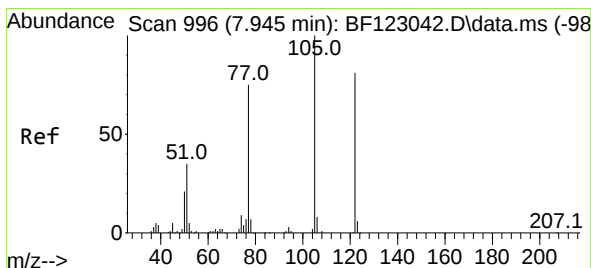
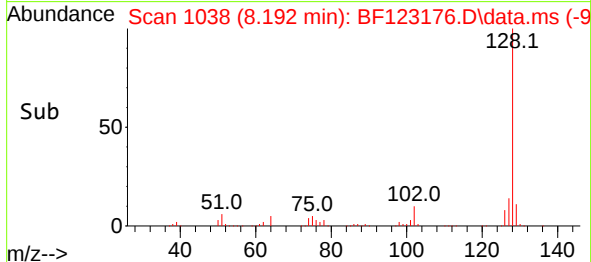
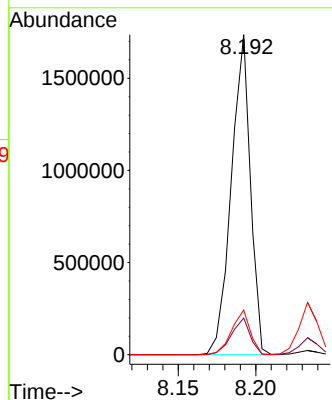
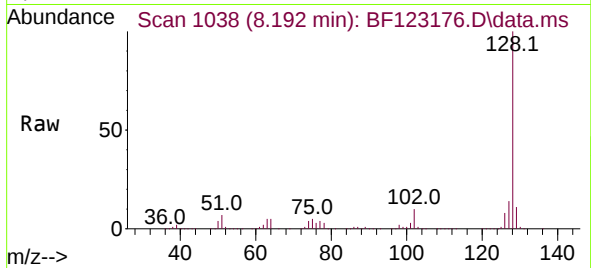
#31  
Naphthalene  
Concen: 44.51 ng  
RT: 8.192 min Scan# 1038  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:128 Resp: 1488878  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.0 13.6  
127 13.9 10.7 16.1

Instrument :  
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ClientSampleId :  
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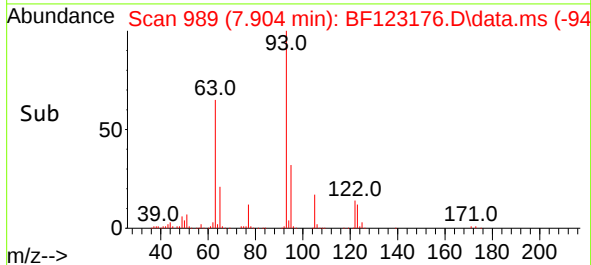
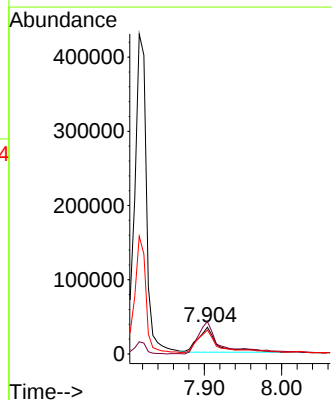
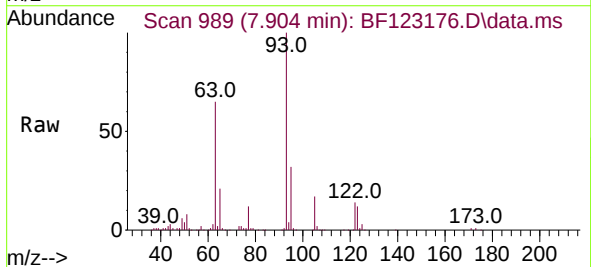
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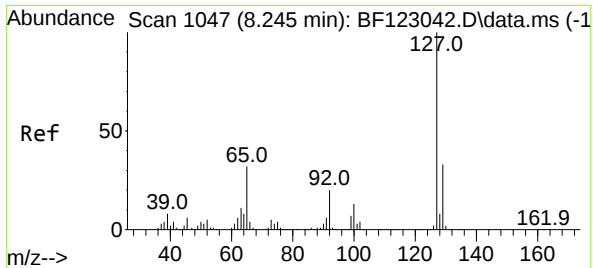
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#32  
Benzoic acid  
Concen: 12.25 ng m  
RT: 7.904 min Scan# 989  
Delta R.T. -0.041 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:122 Resp: 61364  
Ion Ratio Lower Upper  
122 100  
105 121.7 104.8 144.8  
77 90.0 71.0 111.0





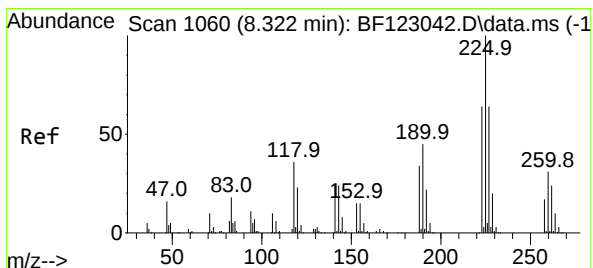
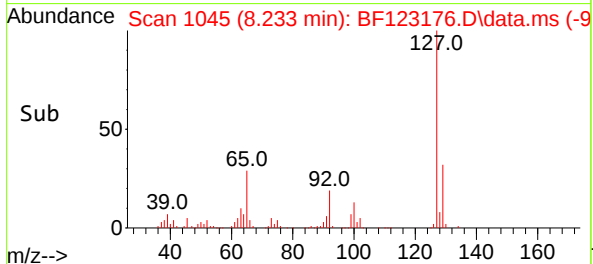
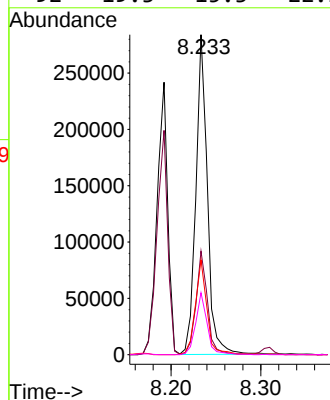
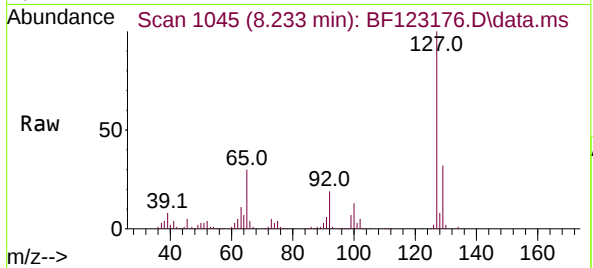
#33  
4-Chloroaniline  
Concen: 17.05 ng  
RT: 8.233 min Scan# 1045  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 253196 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 32.4  | 26.2  | 39.2   |
| 65        | 29.6  | 22.2  | 33.2   |
| 92        | 19.3  | 15.3  | 22.9   |

Instrument :  
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ClientSampleId :  
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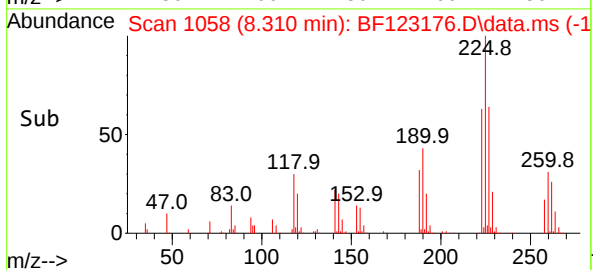
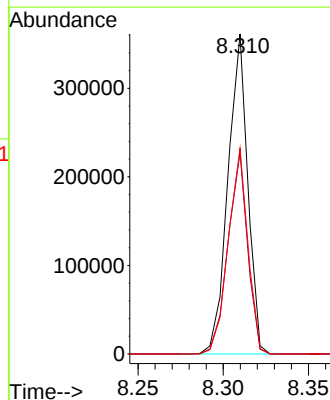
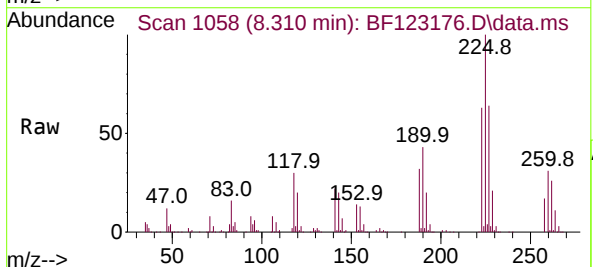
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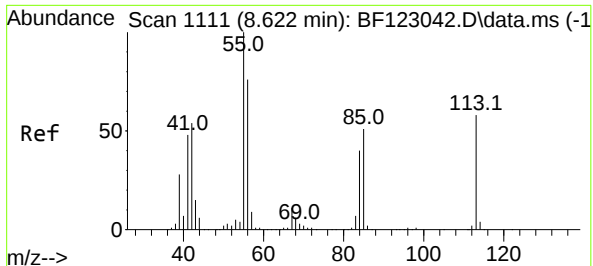
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#34  
Hexachlorobutadiene  
Concen: 45.98 ng  
RT: 8.310 min Scan# 1058  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 291525 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.9  | 50.7  | 76.1   |
| 227       | 64.3  | 51.7  | 77.5   |





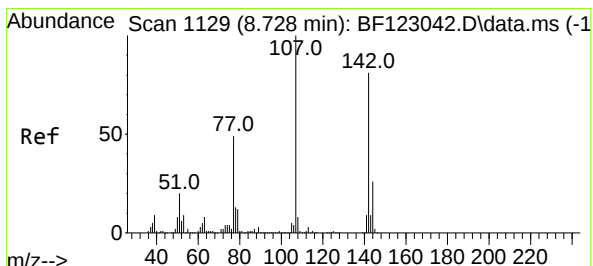
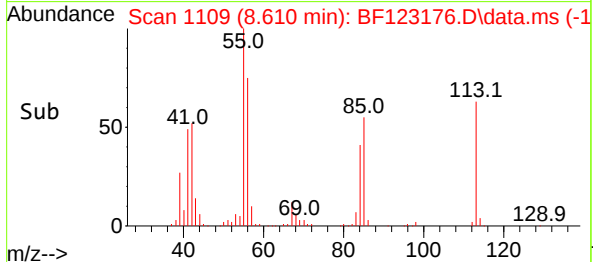
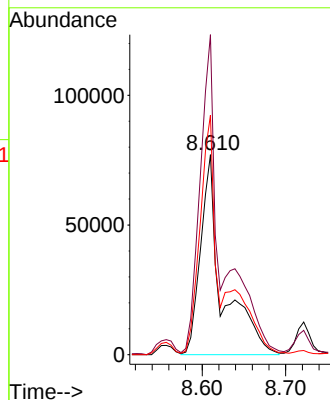
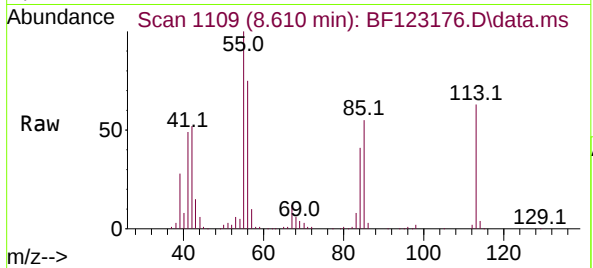
#35  
Caprolactam  
Concen: 42.50 ng m  
RT: 8.610 min Scan# 1109  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:113 Resp: 139937  
Ion Ratio Lower Upper  
113 100  
55 160.0 133.7 173.7  
56 119.8 95.3 135.3

Instrument :  
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ClientSampleId :  
OR-03-020921MSD

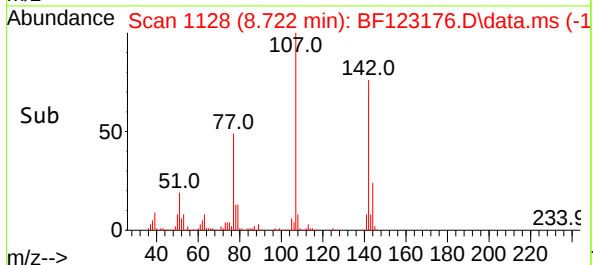
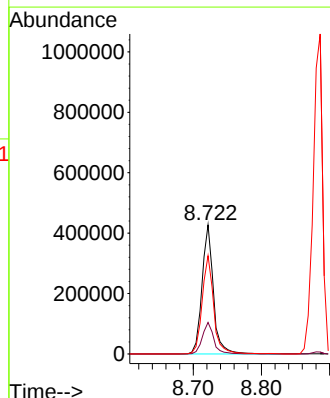
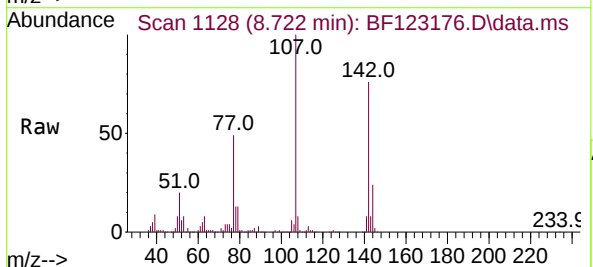
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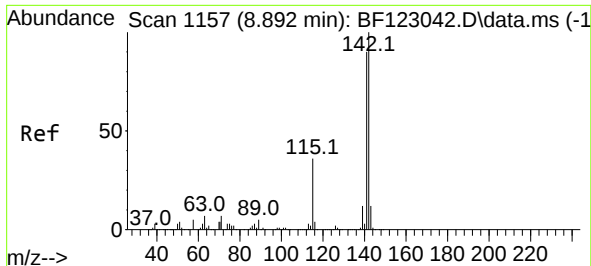
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#36  
4-Chloro-3-methylphenol  
Concen: 48.96 ng  
RT: 8.722 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:107 Resp: 495972  
Ion Ratio Lower Upper  
107 100  
144 24.4 20.2 30.2  
142 76.1 64.4 96.6





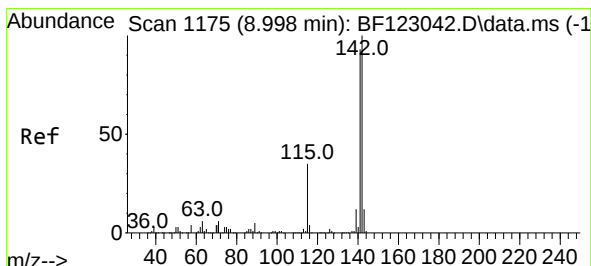
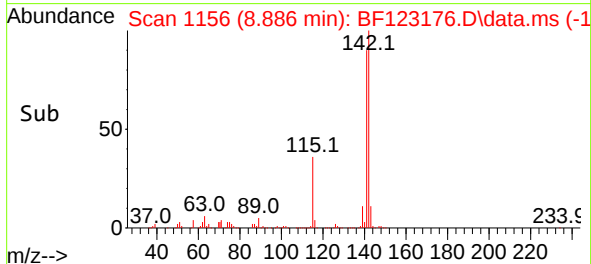
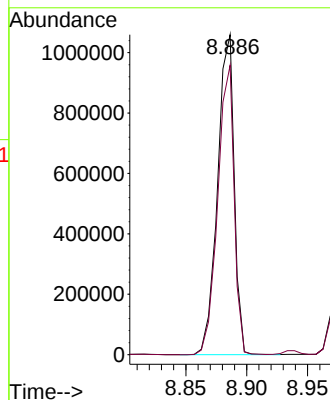
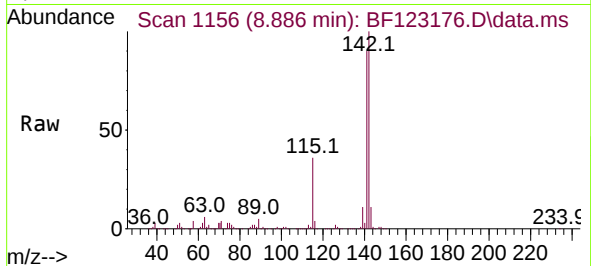
#37  
2-Methylnaphthalene  
Concen: 45.33 ng  
RT: 8.886 min Scan# 1156  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:142 Resp: 1006722  
Ion Ratio Lower Upper  
142 100  
141 90.4 70.6 106.0

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

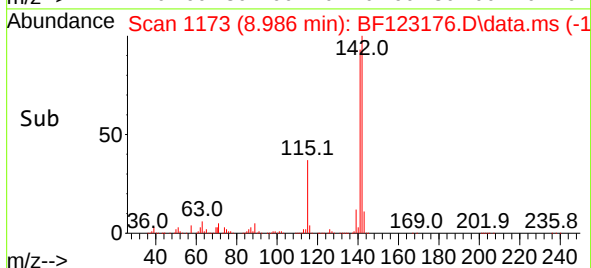
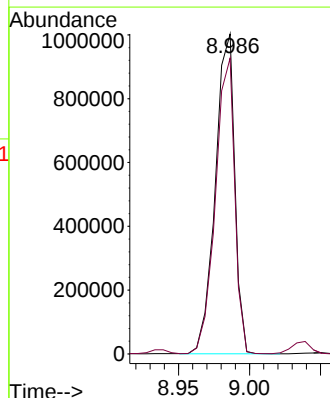
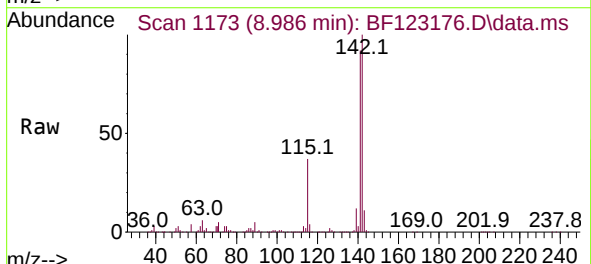
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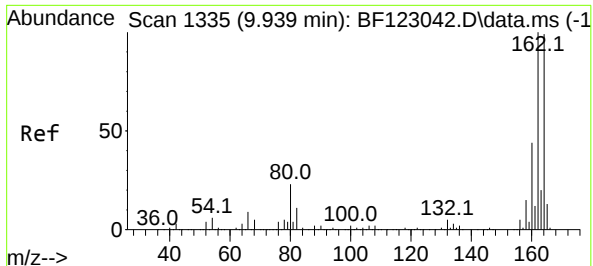
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#38  
1-Methylnaphthalene  
Concen: 45.27 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

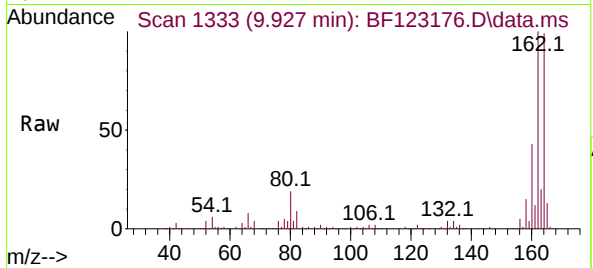
Tgt Ion:142 Resp: 951969  
Ion Ratio Lower Upper  
142 100  
141 92.4 74.5 111.7





#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.927 min Scan# 1333  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

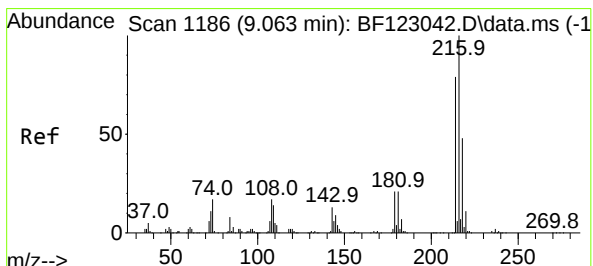
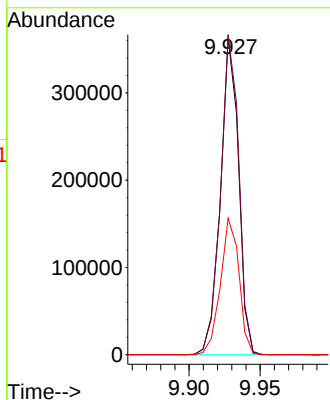
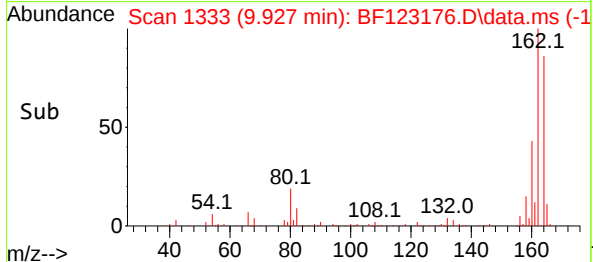
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



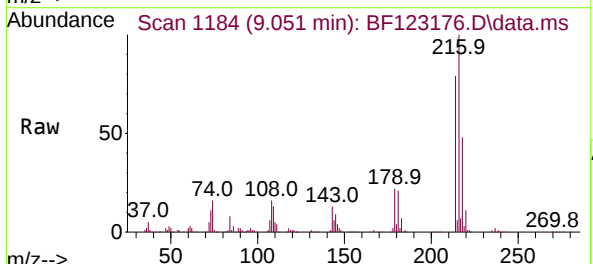
Tgt Ion:164 Resp: 320504  
Ion Ratio Lower Upper  
164 100  
162 100.9 80.8 121.2  
160 43.0 35.4 53.0

Manual Integrations  
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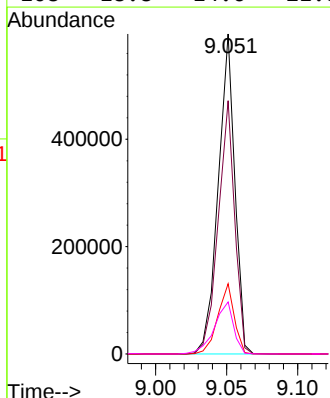
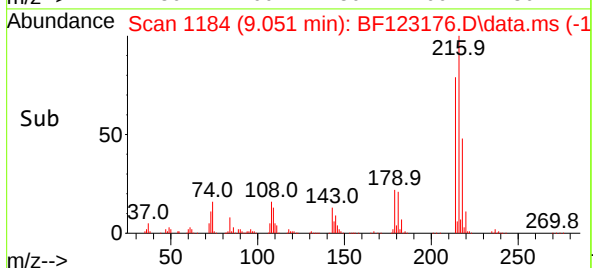
mohammad  
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 48.51 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion:216 Resp: 483687  
Ion Ratio Lower Upper  
216 100  
214 78.5 63.1 94.7  
179 21.7 17.1 25.7  
108 18.8 14.6 21.8





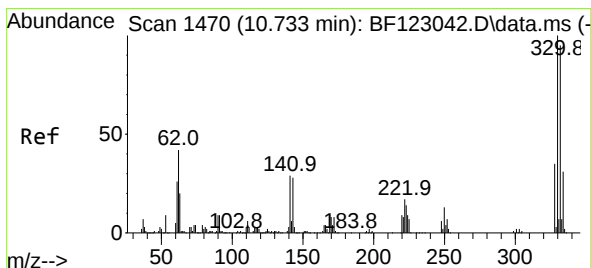
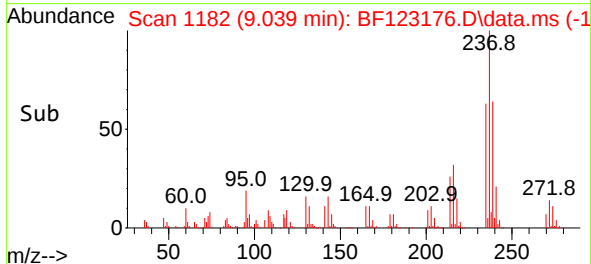
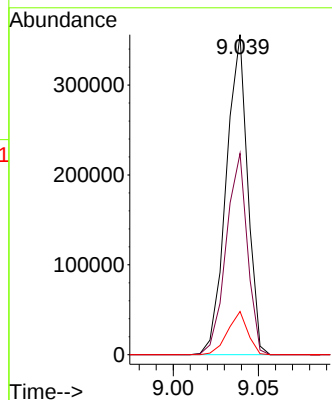
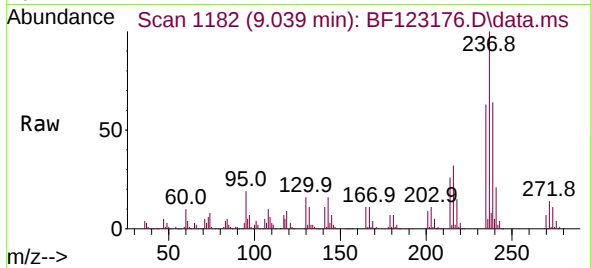
#41  
Hexachlorocyclopentadiene  
Concen: 65.72 ng  
RT: 9.039 min Scan# 1182  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:237 Resp: 311033  
Ion Ratio Lower Upper  
237 100  
235 62.9 40.9 80.9  
272 13.5 0.0 33.4

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

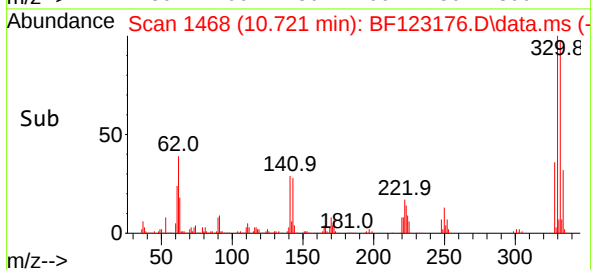
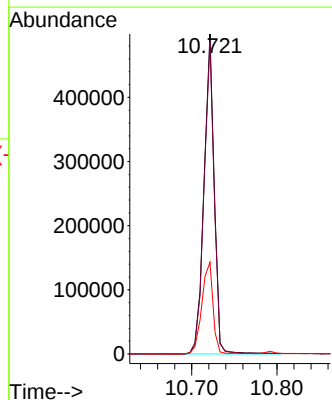
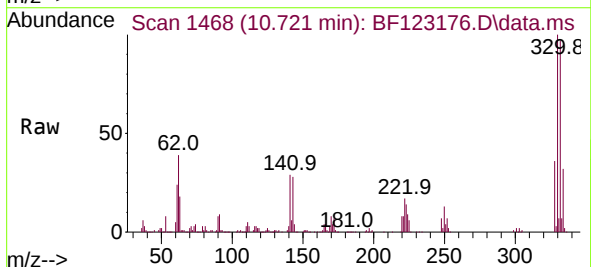
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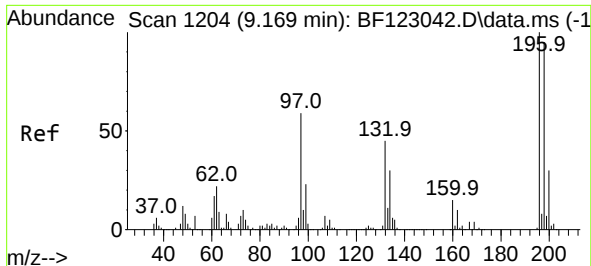
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#42  
2,4,6-Tribromophenol  
Concen: 119.58 ng  
RT: 10.721 min Scan# 1468  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:330 Resp: 416055  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.5 116.3  
141 31.6 23.8 35.8





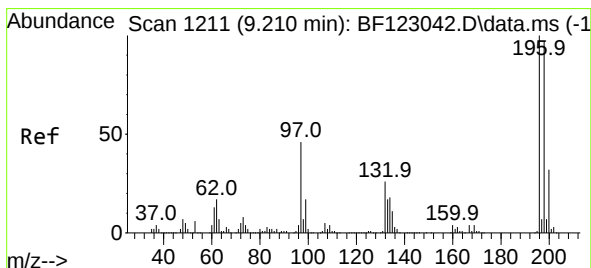
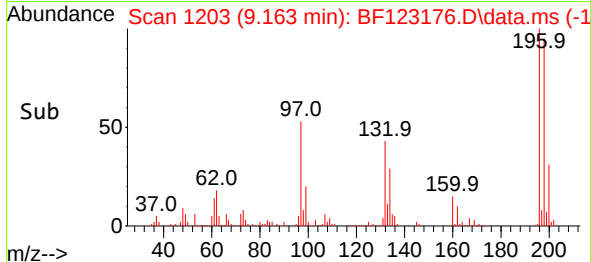
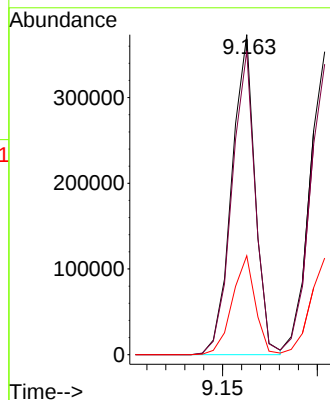
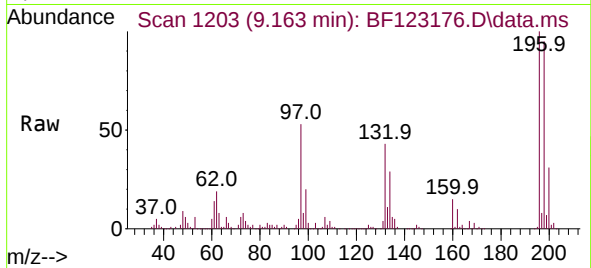
#43  
2,4,6-Trichlorophenol  
Concen: 46.64 ng  
RT: 9.163 min Scan# 1203  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:196 Resp: 318839  
Ion Ratio Lower Upper  
196 100  
198 95.0 75.1 112.7  
200 30.9 23.7 35.5

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

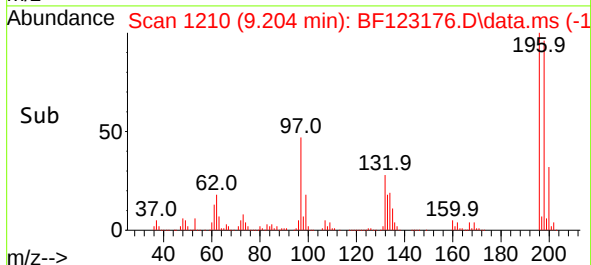
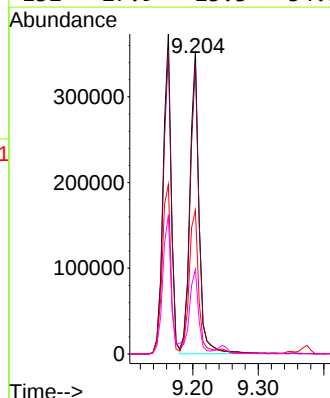
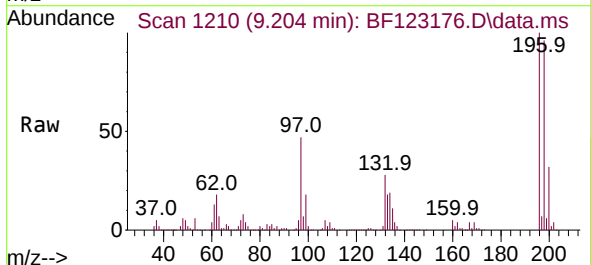
Manual Integrations  
APPROVED

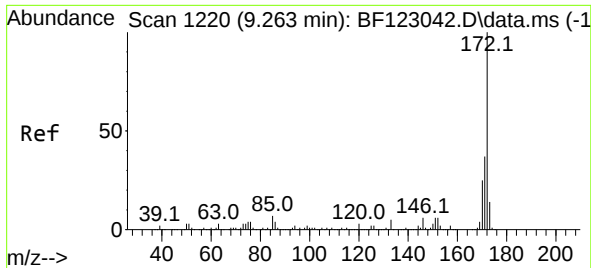
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#44  
2,4,5-Trichlorophenol  
Concen: 47.62 ng  
RT: 9.204 min Scan# 1210  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:196 Resp: 340363  
Ion Ratio Lower Upper  
196 100  
198 95.9 76.5 114.7  
97 47.4 40.1 60.1  
132 27.9 23.3 34.9





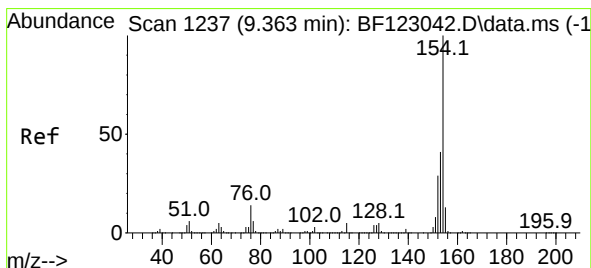
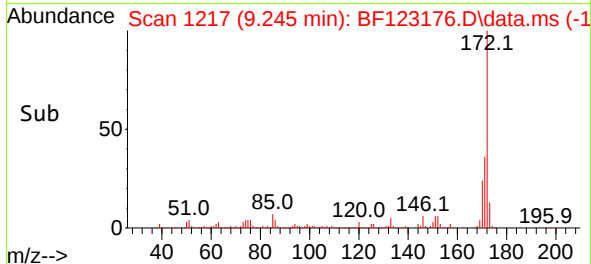
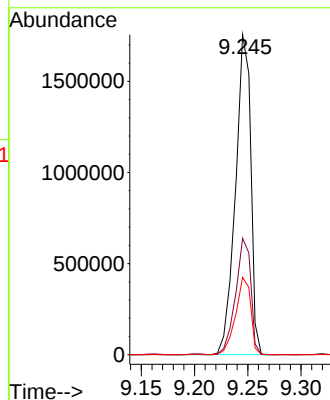
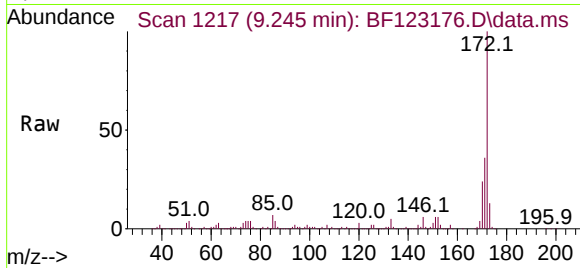
#45  
2-Fluorobiphenyl  
Concen: 81.38 ng  
RT: 9.245 min Scan# 1217  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:172 Resp: 1754481  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.6 44.4  
170 24.2 19.5 29.3

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

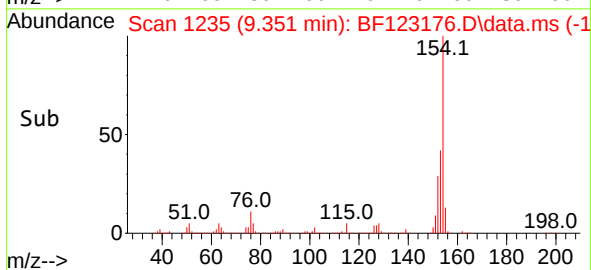
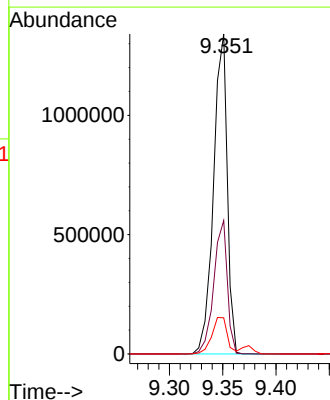
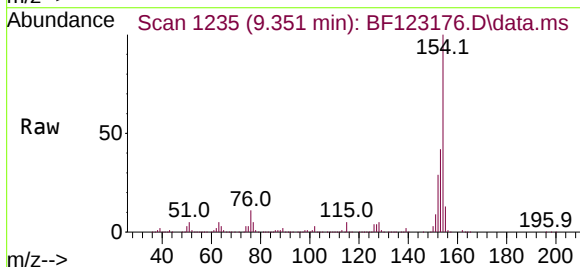
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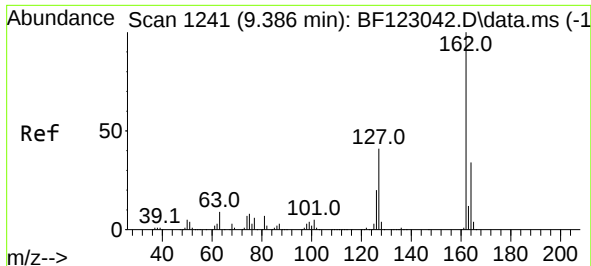
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#46  
1,1'-Biphenyl  
Concen: 45.66 ng  
RT: 9.351 min Scan# 1235  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:154 Resp: 1200458  
Ion Ratio Lower Upper  
154 100  
153 41.7 21.8 61.8  
76 11.3 0.0 33.4





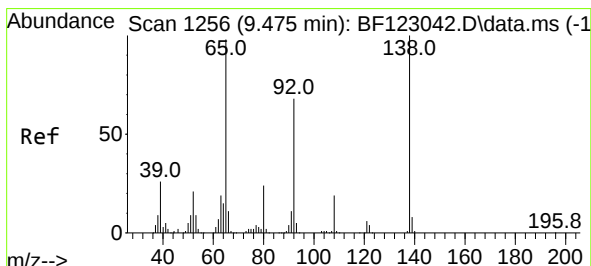
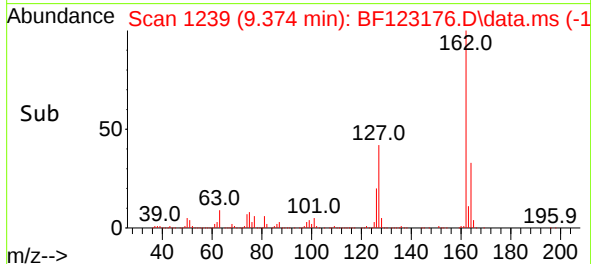
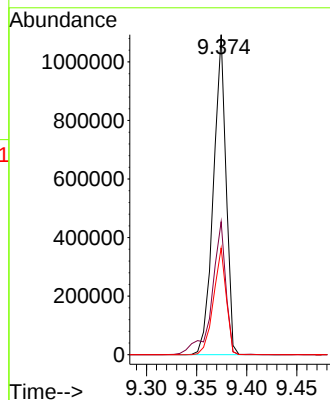
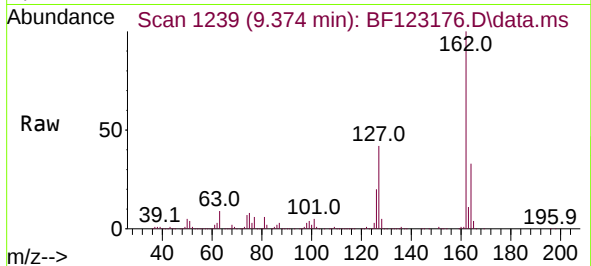
#47  
2-Chloronaphthalene  
Concen: 43.67 ng  
RT: 9.374 min Scan# 1239  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 162 Resp: 961017  
Ion Ratio Lower Upper  
162 100  
127 41.6 33.8 50.8  
164 33.3 26.5 39.7

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

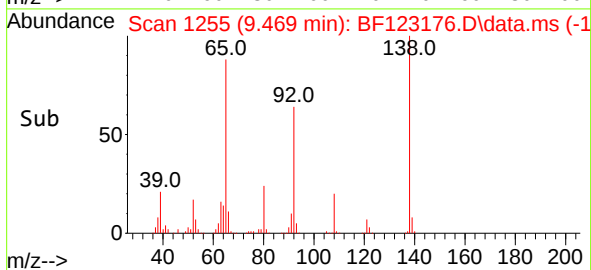
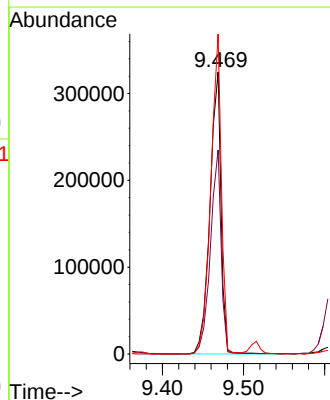
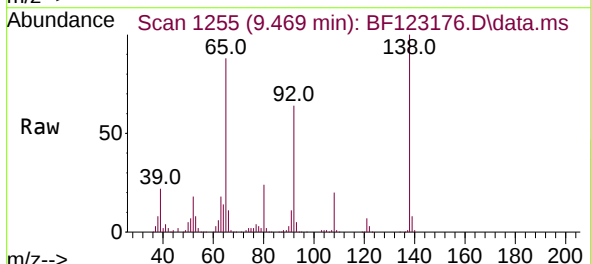
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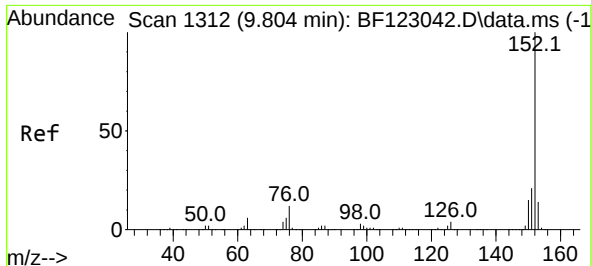
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#48  
2-Nitroaniline  
Concen: 46.15 ng  
RT: 9.469 min Scan# 1255  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion: 65 Resp: 307827  
Ion Ratio Lower Upper  
65 100  
92 72.3 60.0 90.0  
138 113.4 100.6 151.0





#49

Acenaphthylene

Concen: 46.84 ng

RT: 9.792 min Scan# 1310

Delta R.T. -0.012 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

Tgt Ion:152 Resp: 1508562

Ion Ratio Lower Upper

152 100

151 20.6 16.6 25.0

153 13.4 10.9 16.3

Instrument :

BNA\_F

ClientSampleId :

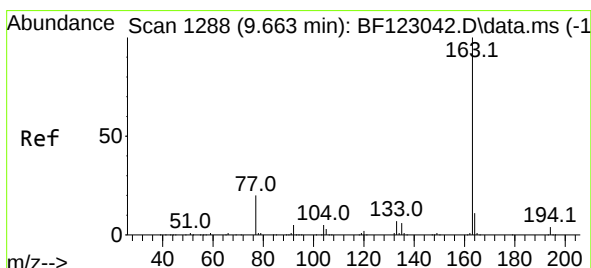
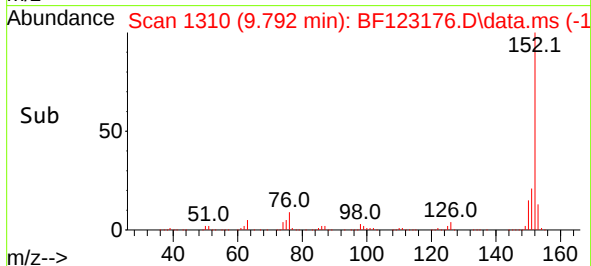
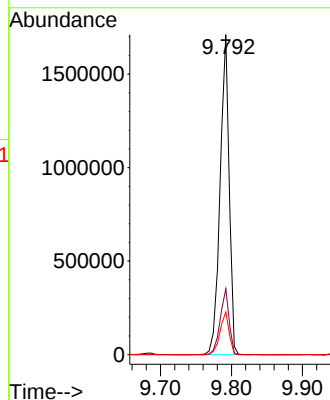
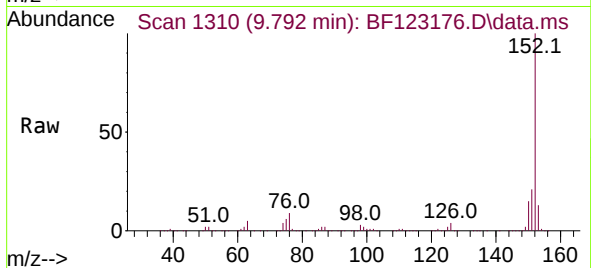
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#50

Dimethylphthalate

Concen: 48.05 ng

RT: 9.651 min Scan# 1286

Delta R.T. -0.012 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

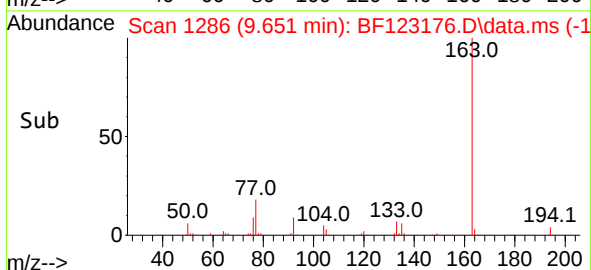
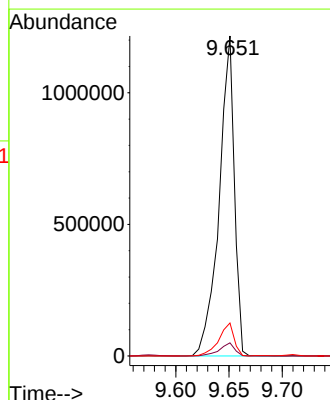
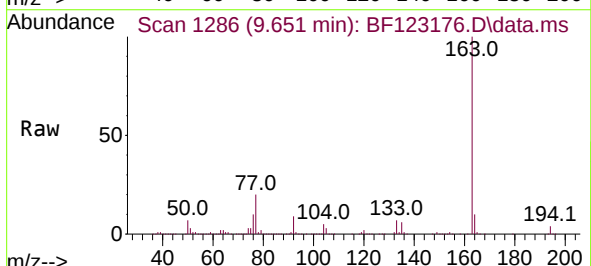
Tgt Ion:163 Resp: 1208310

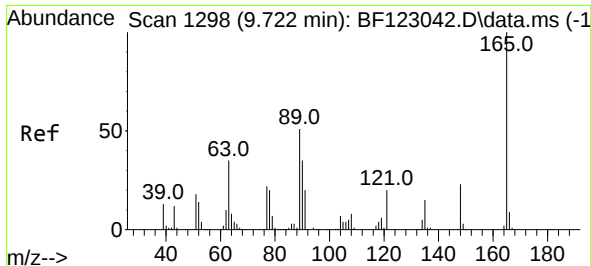
Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.0

164 10.3 8.1 12.1





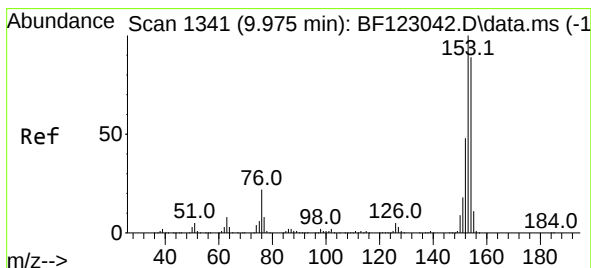
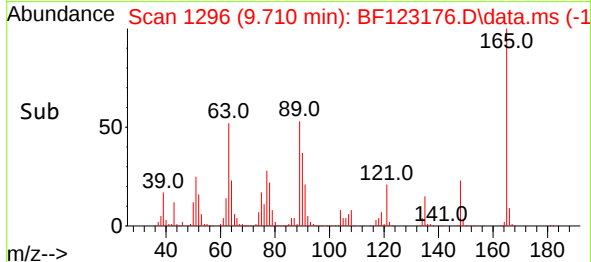
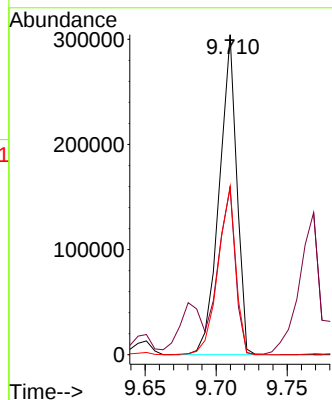
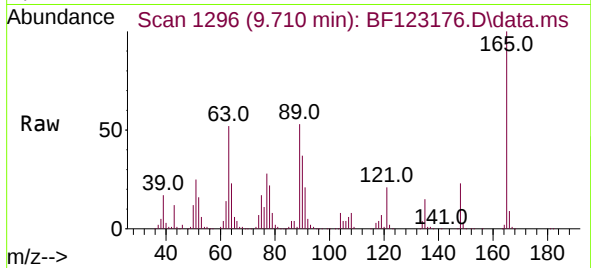
#51  
2,6-Dinitrotoluene  
Concen: 48.77 ng  
RT: 9.710 min Scan# 1296  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:165 Resp: 261246  
Ion Ratio Lower Upper  
165 100  
63 52.0 36.6 55.0  
89 52.6 39.4 59.0

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

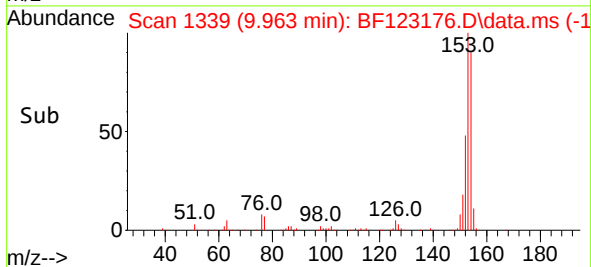
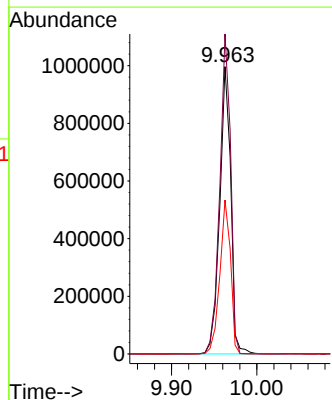
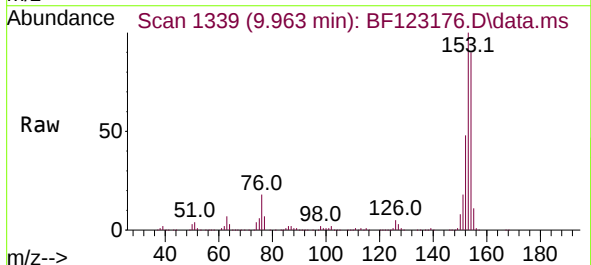
Manual Integrations  
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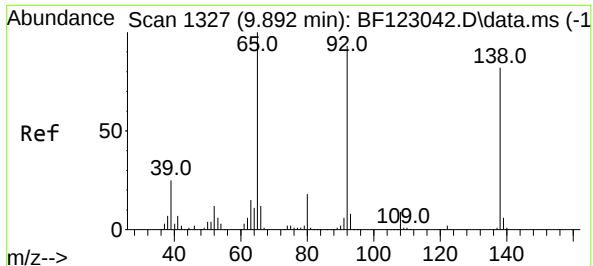
mohammad  
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#52  
Acenaphthene  
Concen: 43.23 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:154 Resp: 894449  
Ion Ratio Lower Upper  
154 100  
153 111.4 89.0 133.6  
152 53.6 42.7 64.1





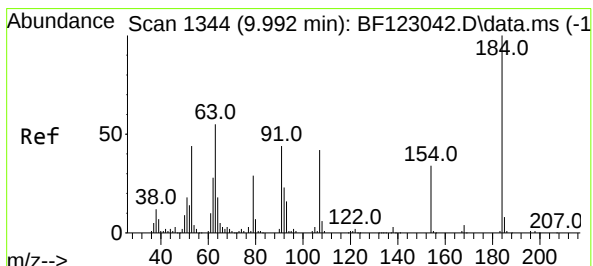
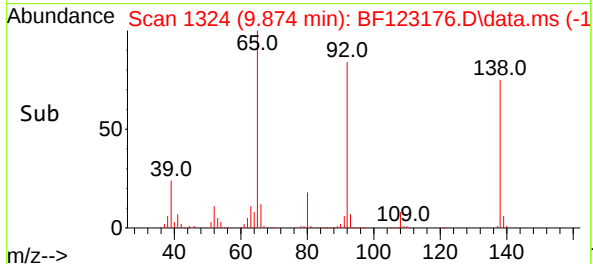
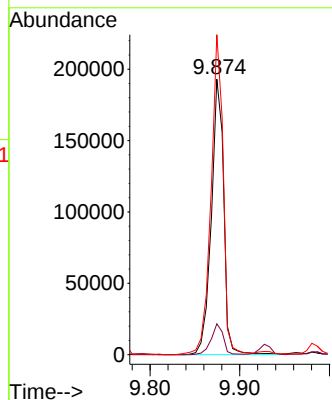
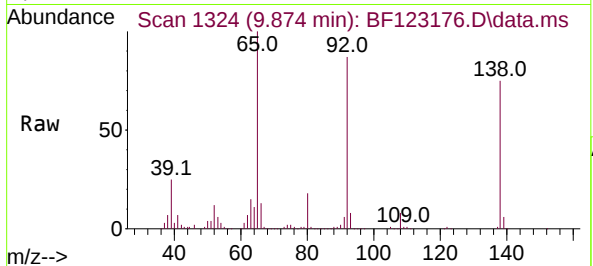
#53  
3-Nitroaniline  
Concen: 29.17 ng  
RT: 9.874 min Scan# 1324  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:138 Resp: 184792  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.2 12.2  
92 116.1 85.4 128.2

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

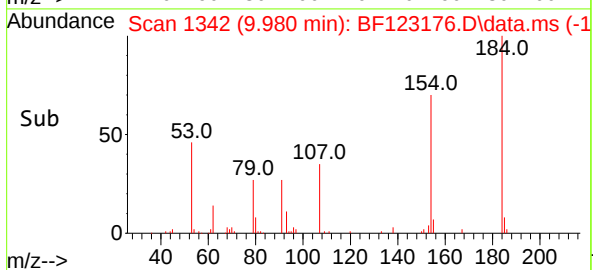
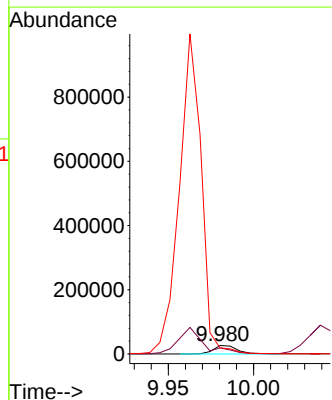
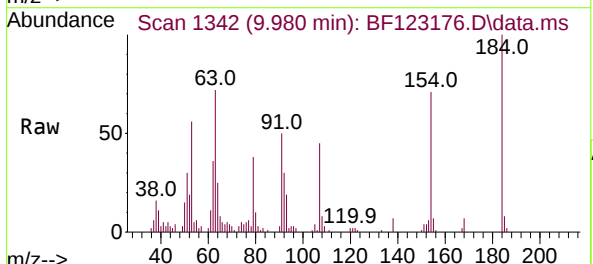
Manual Integrations  
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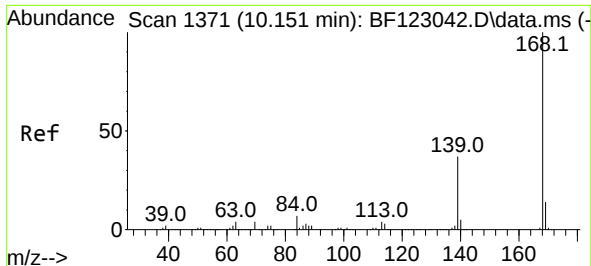
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#54  
2,4-Dinitrophenol  
Concen: 16.45 ng  
RT: 9.980 min Scan# 1342  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

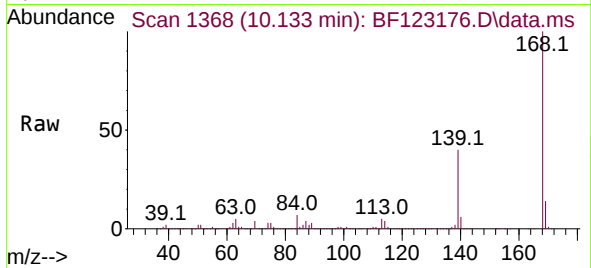
Tgt Ion:184 Resp: 25722  
Ion Ratio Lower Upper  
184 100  
63 72.2 51.4 77.2  
154 70.9 49.7 74.5





#55  
Dibenzofuran  
Concen: 43.93 ng  
RT: 10.133 min Scan# 1368  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

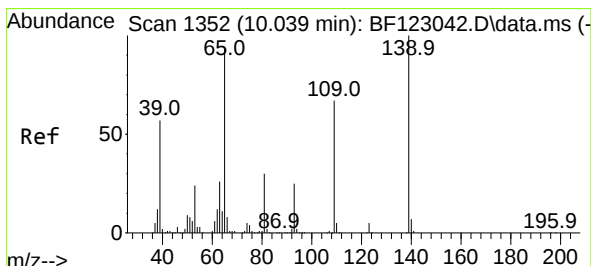
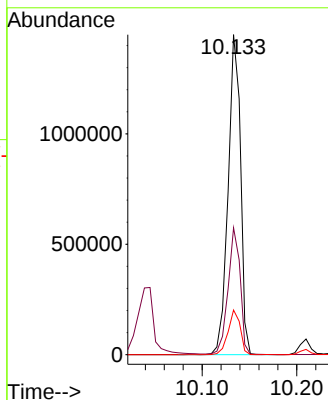
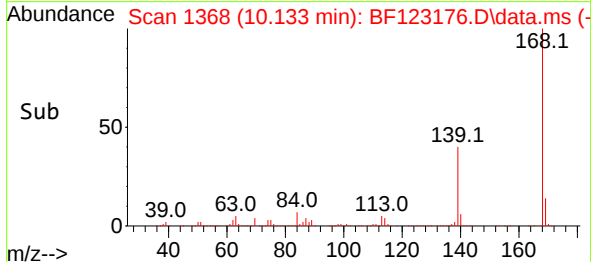
Instrument :  
BNA\_F  
ClientSampleId :  
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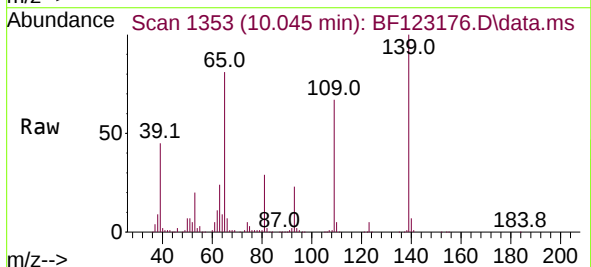
Tgt Ion:168 Resp: 1322531  
Ion Ratio Lower Upper  
168 100  
139 39.6 31.3 46.9  
169 14.0 11.2 16.8

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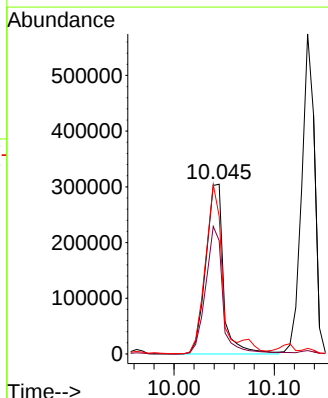
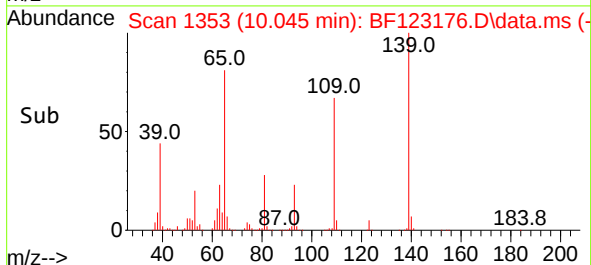
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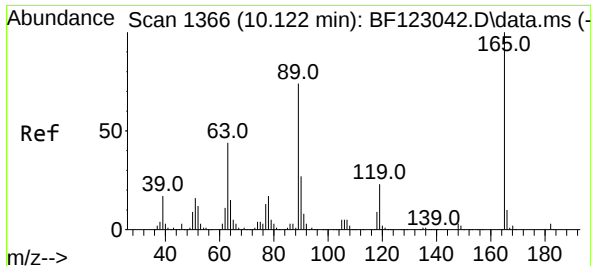


#56  
4-Nitrophenol  
Concen: 81.75 ng  
RT: 10.045 min Scan# 1353  
Delta R.T. 0.006 min  
Lab File: BF123176.D  
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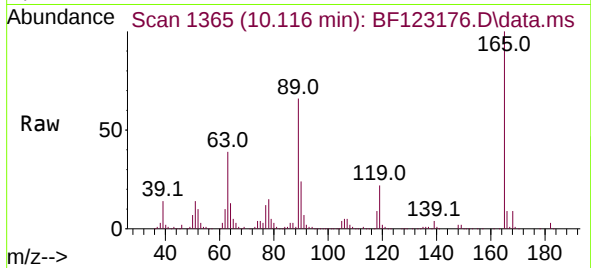


Tgt Ion:139 Resp: 374310  
Ion Ratio Lower Upper  
139 100  
109 66.9 45.1 85.1  
65 81.2 59.2 99.2

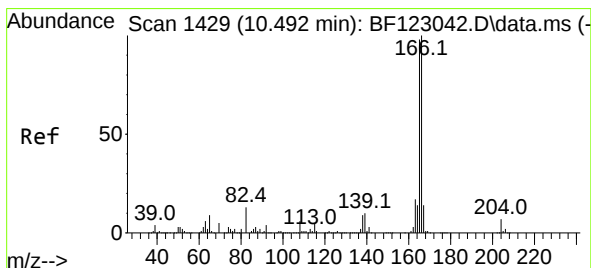
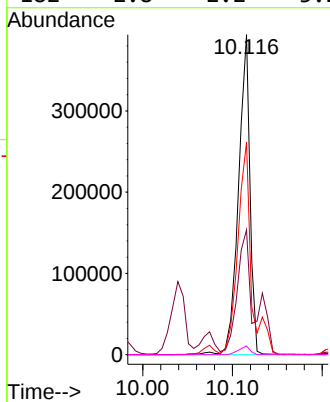
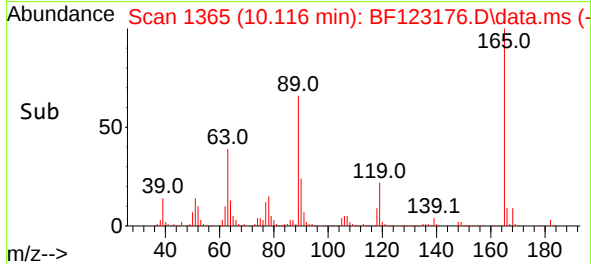




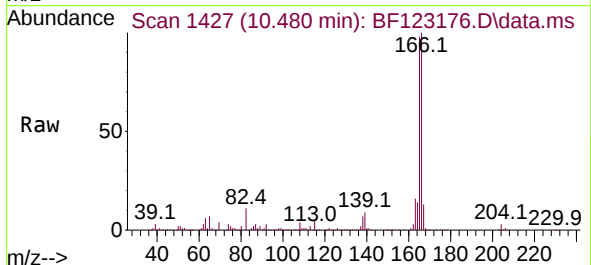
#57  
2,4-Dinitrotoluene  
Concen: 50.30 ng  
RT: 10.116 min Scan# 1365  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



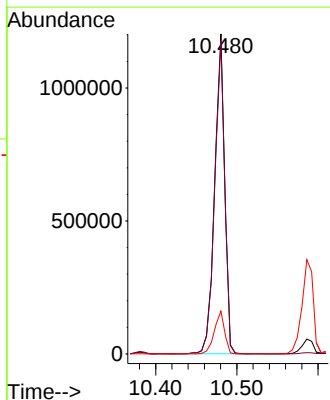
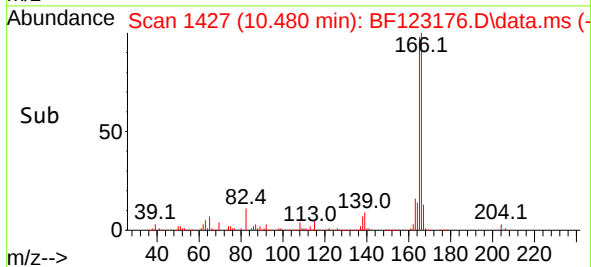
Tgt Ion:165 Resp: 350380  
Ion Ratio Lower Upper  
165 100  
63 39.0 34.3 51.5  
89 66.4 55.2 82.8  
182 2.8 2.2 3.2



#58  
Fluorene  
Concen: 42.82 ng  
RT: 10.480 min Scan# 1427  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion:166 Resp: 1029879  
Ion Ratio Lower Upper  
166 100  
165 97.8 79.4 119.0  
167 13.4 10.9 16.3



Instrument :  
BNA\_F  
ClientSampleId :  
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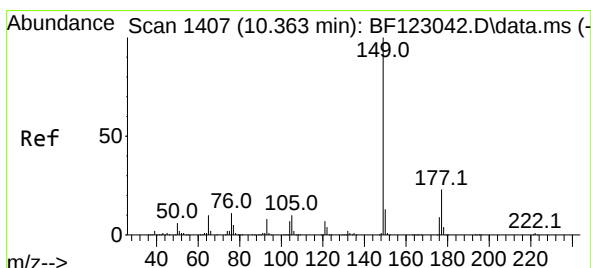
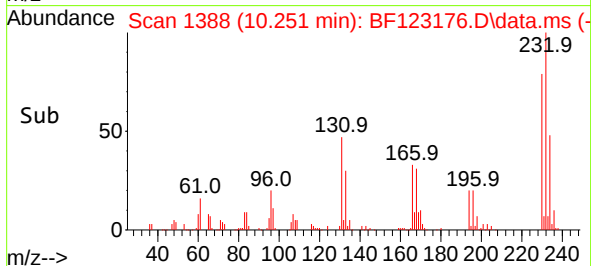
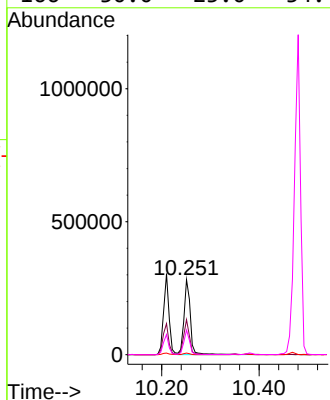
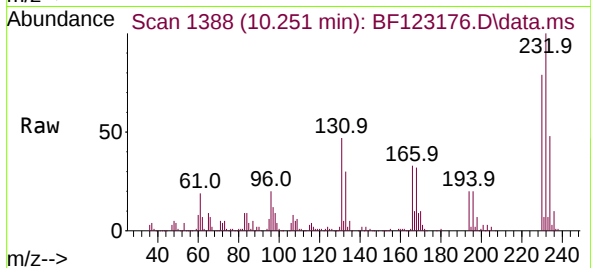
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.53 ng  
RT: 10.251 min Scan# 1388  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:232 | Resp: | 251747    |
| Ion Ratio   | Lower | Upper     |
| 232         | 100   |           |
| 131         | 42.9  | 33.0 49.4 |
| 130         | 2.1   | 1.7 2.5   |
| 166         | 30.0  | 23.0 34.4 |

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

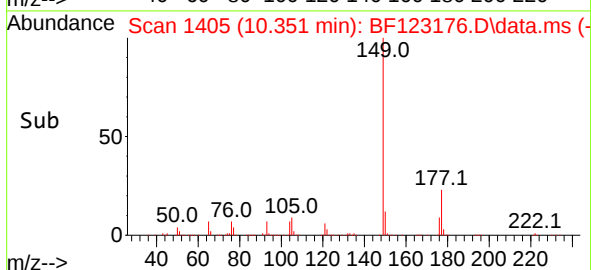
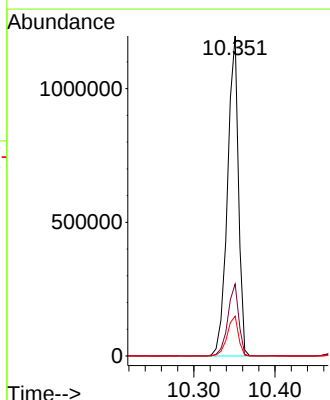
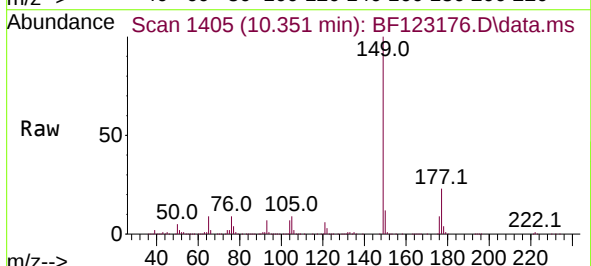
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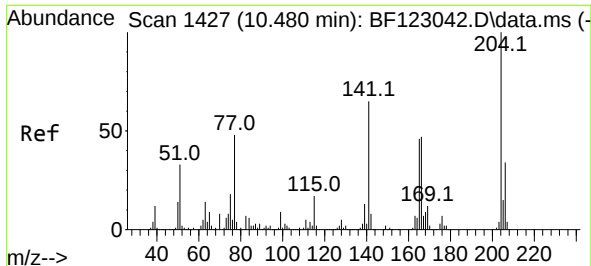
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#60  
Diethylphthalate  
Concen: 45.48 ng  
RT: 10.351 min Scan# 1405  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 1124583   |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 177         | 22.5  | 18.2 27.4 |
| 150         | 12.5  | 10.1 15.1 |





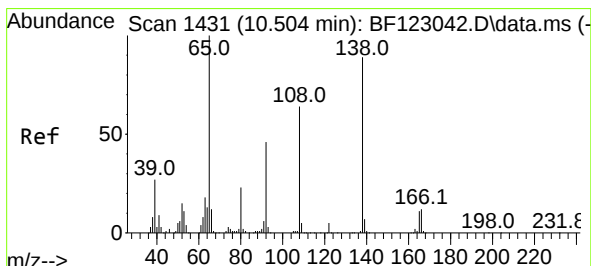
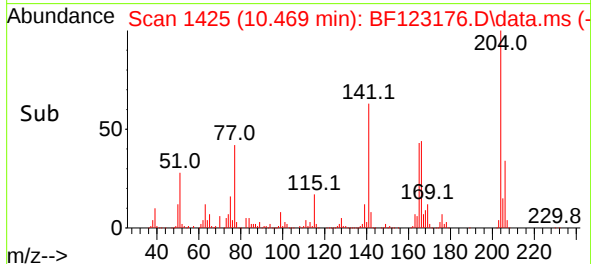
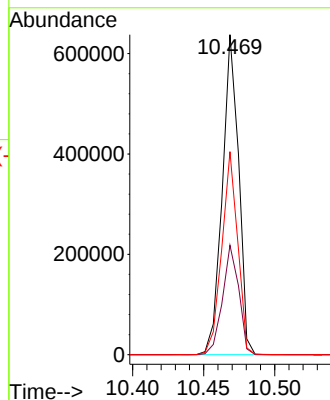
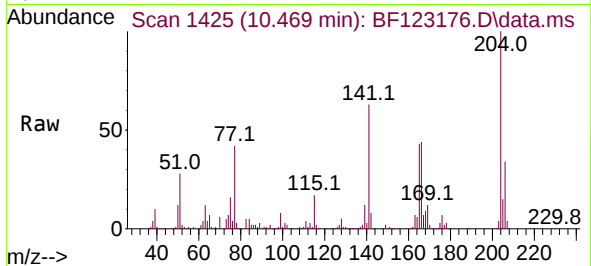
#61  
4-Chlorophenyl-phenylether  
Concen: 44.94 ng  
RT: 10.469 min Scan# 1425  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:204 Resp: 507793  
Ion Ratio Lower Upper  
204 100  
206 34.2 27.0 40.4  
141 63.5 50.4 75.6

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

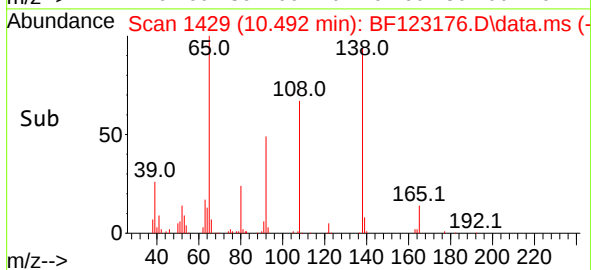
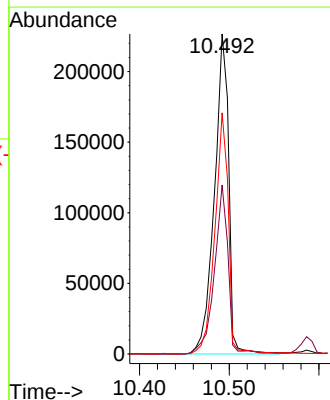
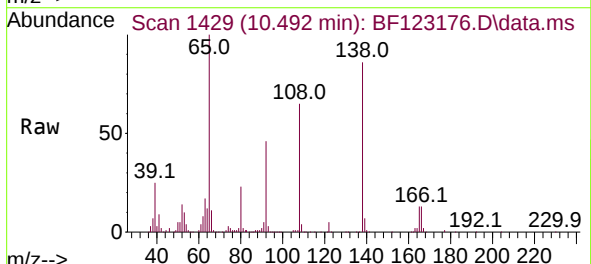
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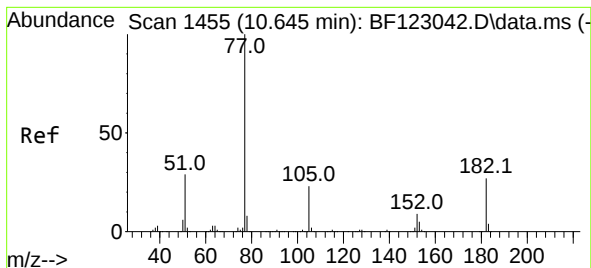
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#62  
4-Nitroaniline  
Concen: 39.35 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:138 Resp: 250449  
Ion Ratio Lower Upper  
138 100  
92 52.8 31.0 71.0  
108 75.3 54.8 94.8





#63

Azobenzene

Concen: 42.59 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

Tgt Ion: 77 Resp: 1030563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 182 | 24.4  | 5.6   | 45.6  |
| 105 | 21.5  | 1.8   | 41.8  |
| 51  | 30.1  | 8.3   | 48.3  |

Instrument :

BNA\_F

ClientSampleId :

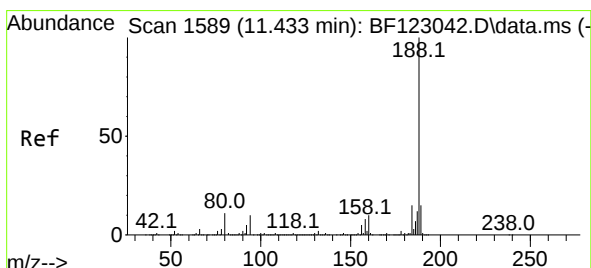
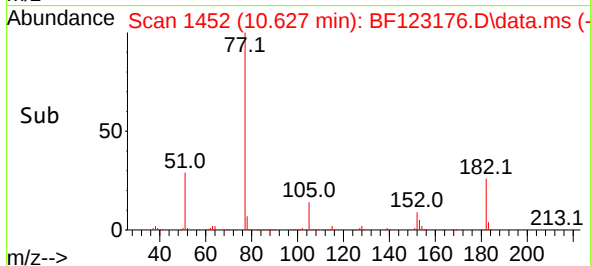
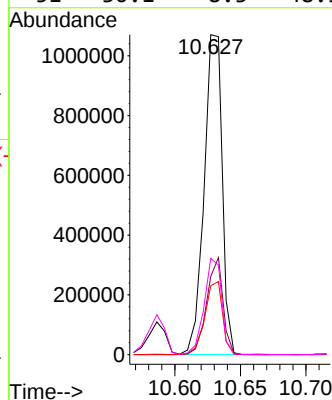
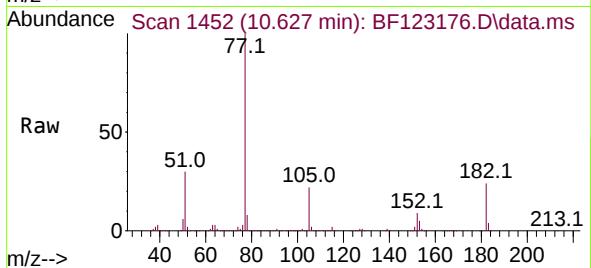
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#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.416 min Scan# 1586

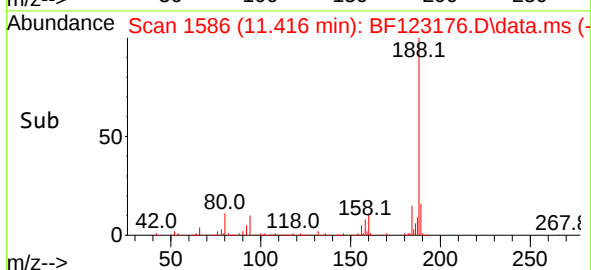
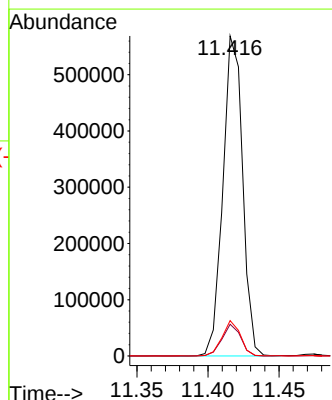
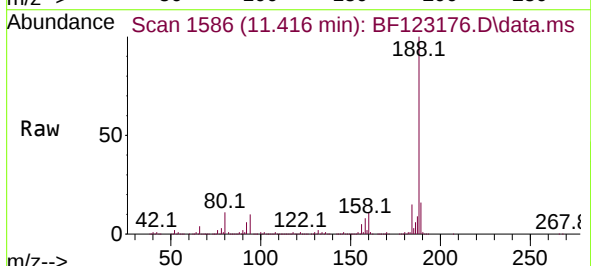
Delta R.T. -0.017 min

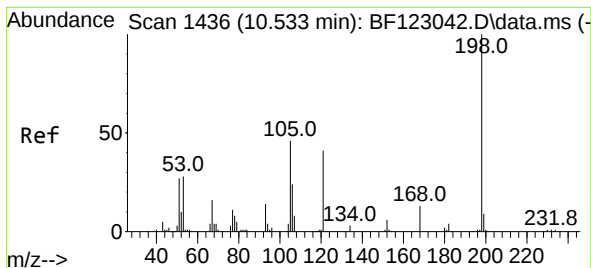
Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

Tgt Ion: 188 Resp: 548208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 9.9   | 7.4   | 11.2  |
| 80  | 11.0  | 8.2   | 12.4  |





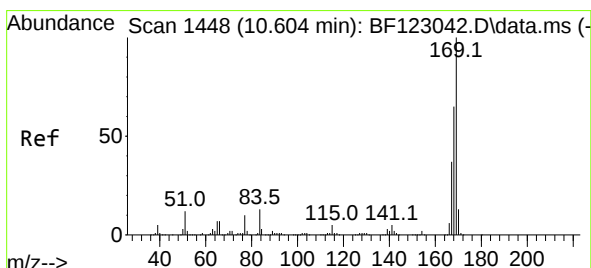
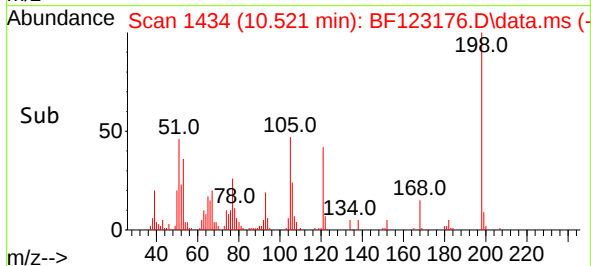
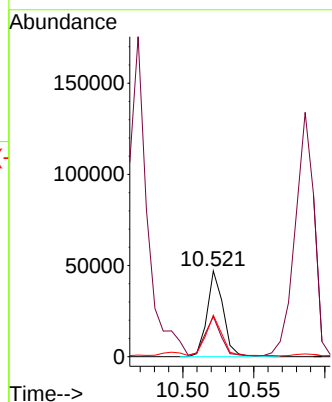
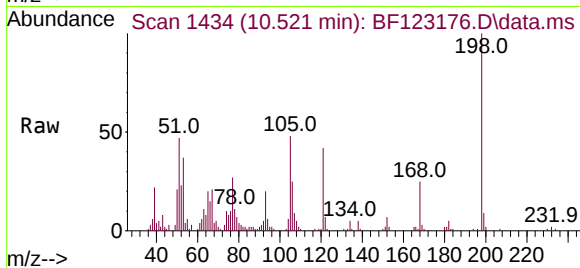
#65  
4,6-Dinitro-2-methylphenol  
Concen: 16.02 ng  
RT: 10.521 min Scan# 1434  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:198 Resp: 37269  
Ion Ratio Lower Upper  
198 100  
51 46.8 20.3 60.3  
105 48.4 23.0 63.0

Instrument :  
BNA\_F  
ClientSampleId :  
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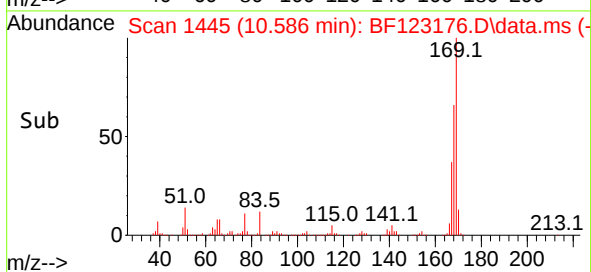
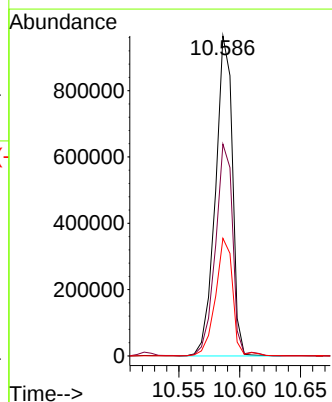
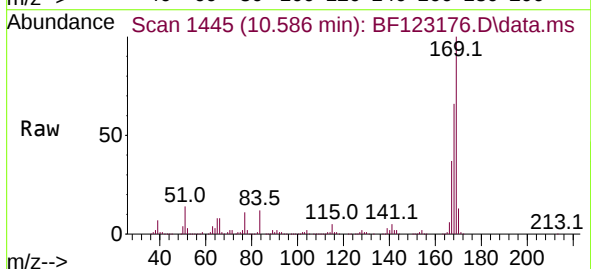
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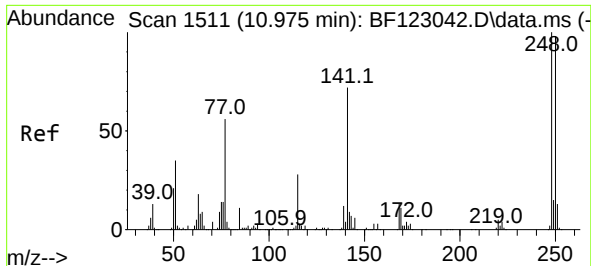
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#66  
n-Nitrosodiphenylamine  
Concen: 47.54 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:169 Resp: 939329  
Ion Ratio Lower Upper  
169 100  
168 66.2 54.2 81.2  
167 36.7 29.2 43.8





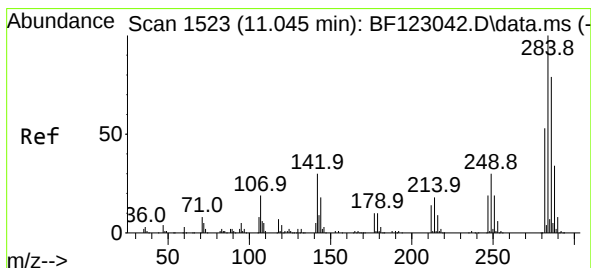
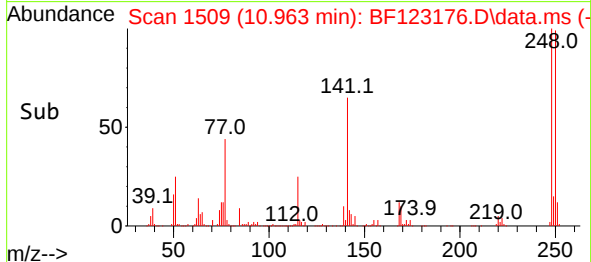
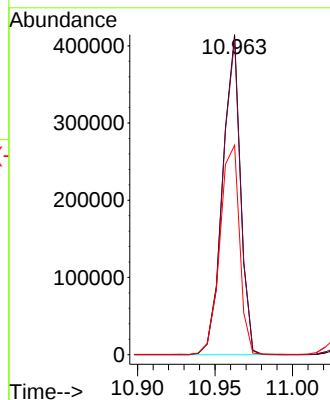
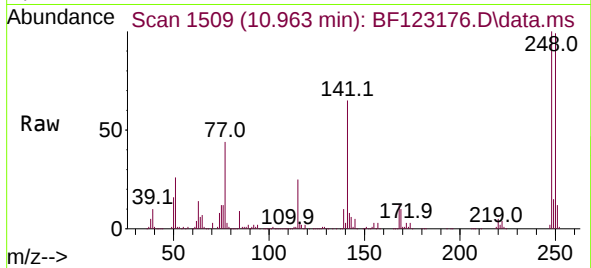
#67  
4-Bromophenyl-phenylether  
Concen: 47.52 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:248 Resp: 331764  
Ion Ratio Lower Upper  
248 100  
250 98.6 76.8 115.2  
141 65.4 59.8 89.8

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

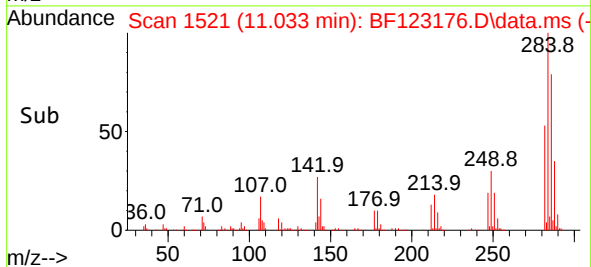
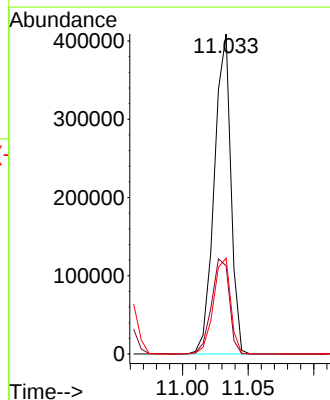
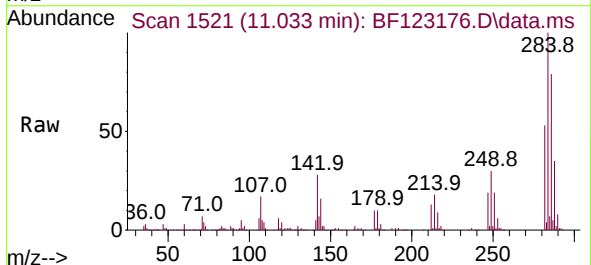
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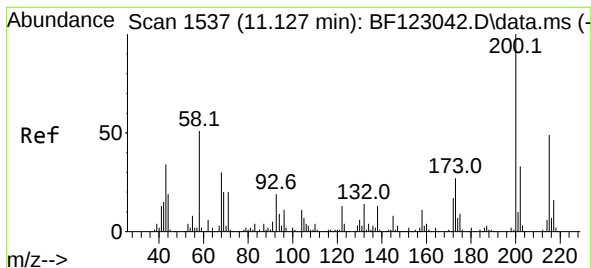
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#68  
Hexachlorobenzene  
Concen: 47.98 ng  
RT: 11.033 min Scan# 1521  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:284 Resp: 359293  
Ion Ratio Lower Upper  
284 100  
142 27.6 25.6 38.4  
249 29.9 25.1 37.7





#69

Atrazine

Concen: 44.32 ng

RT: 11.116 min Scan# 1535

Delta R.T. -0.012 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

Tgt Ion:200 Resp: 241840

Ion Ratio Lower Upper

200 100

173 26.6 6.6 46.6

215 48.2 28.1 68.1

Instrument :

BNA\_F

ClientSampleId :

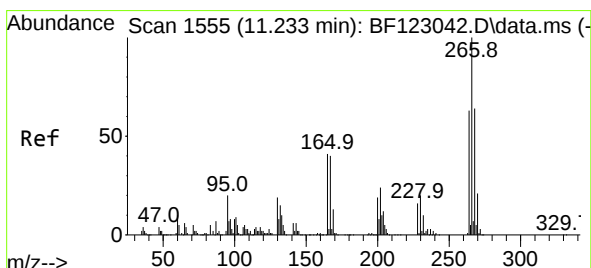
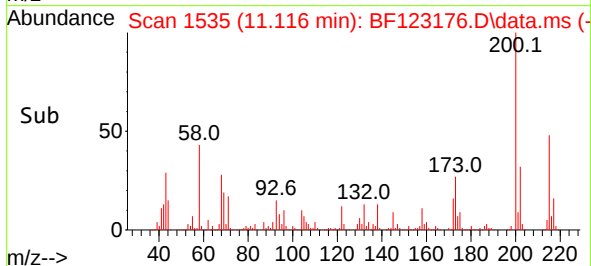
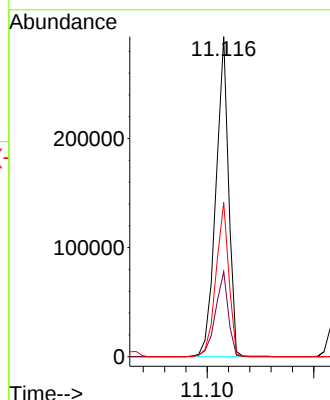
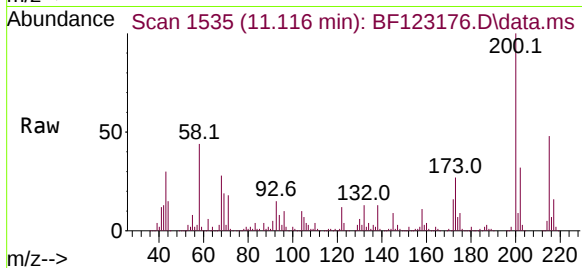
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#70

Pentachlorophenol

Concen: 68.15 ng

RT: 11.221 min Scan# 1553

Delta R.T. -0.012 min

Lab File: BF123176.D

Acq: 10 Feb 2021 18:23

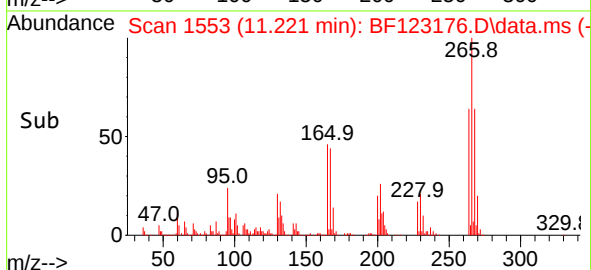
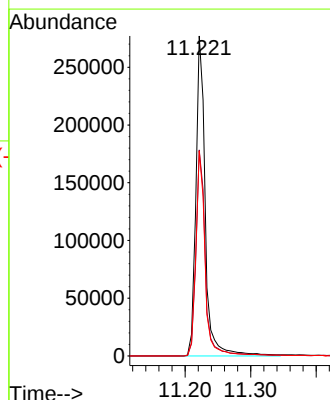
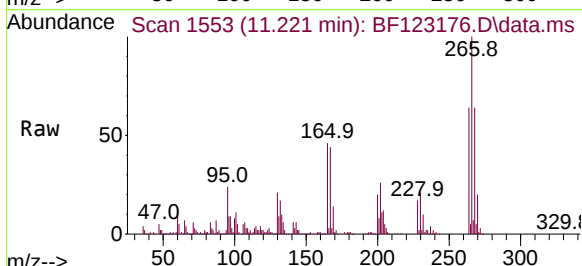
Tgt Ion:266 Resp: 276567

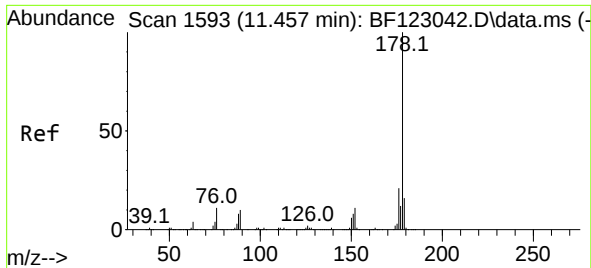
Ion Ratio Lower Upper

266 100

268 64.4 50.5 75.7

264 64.1 49.8 74.8





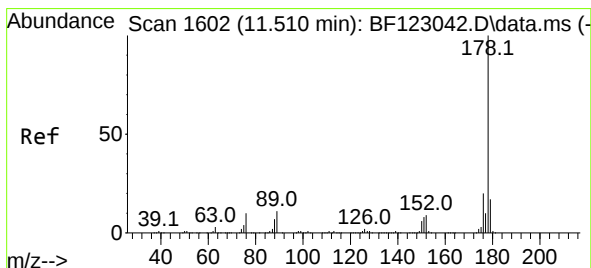
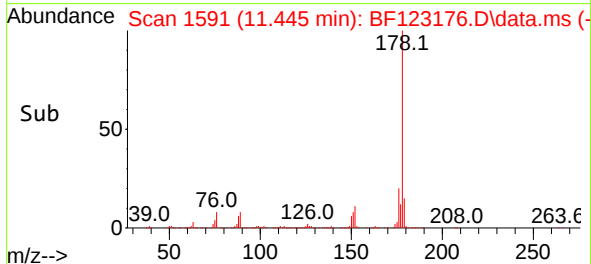
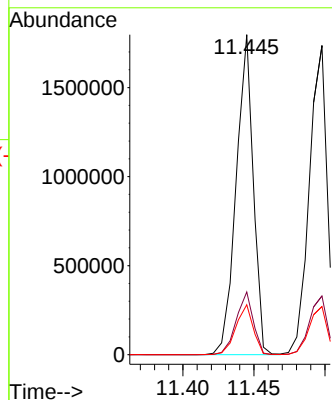
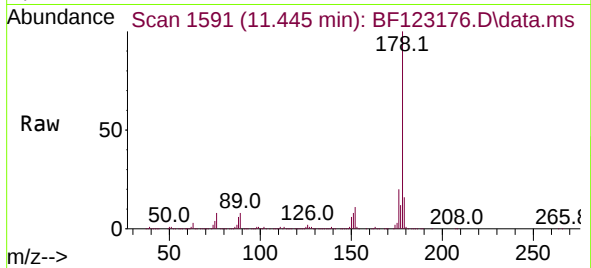
#71  
Phenanthrene  
Concen: 44.41 ng  
RT: 11.445 min Scan# 1591  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
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Tgt Ion:178 Resp: 1511967  
Ion Ratio Lower Upper  
178 100  
176 19.6 16.2 24.2  
179 15.6 12.7 19.1

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

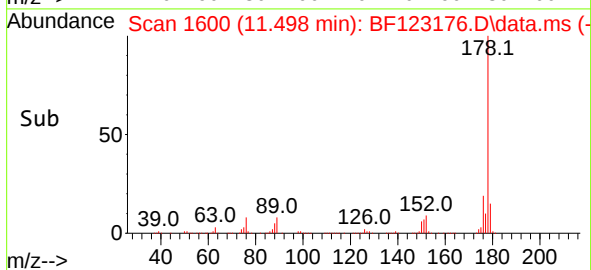
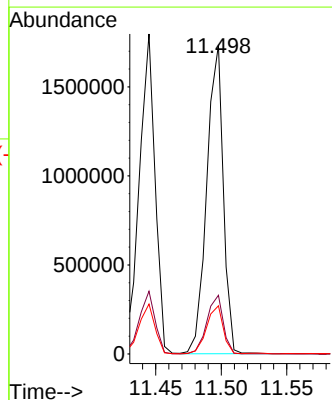
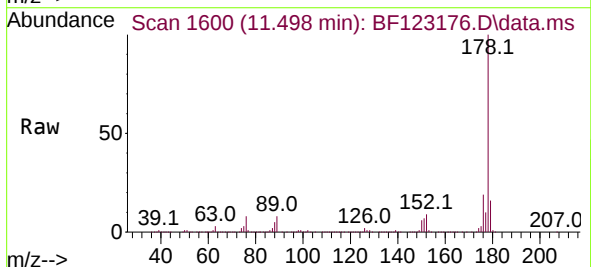
Manual Integrations  
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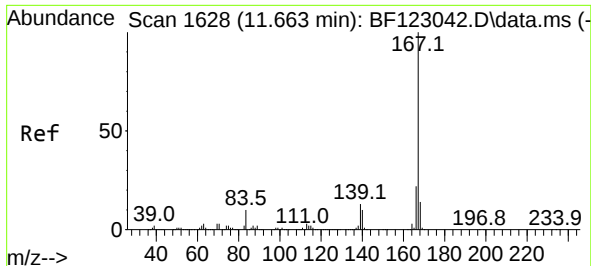
mohammad  
2/11/2021 9:46:26 AM



#72  
Anthracene  
Concen: 46.61 ng  
RT: 11.498 min Scan# 1600  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

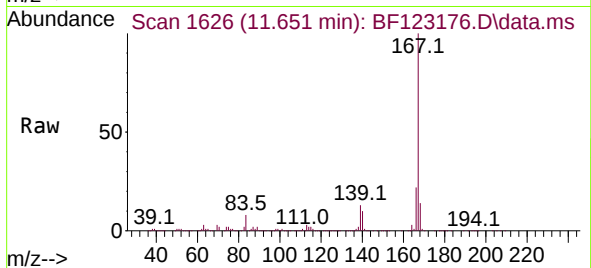
Tgt Ion:178 Resp: 1522521  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.6 23.4  
179 15.6 12.8 19.2





#73  
Carbazole  
Concen: 42.96 ng  
RT: 11.651 min Scan# 1626  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

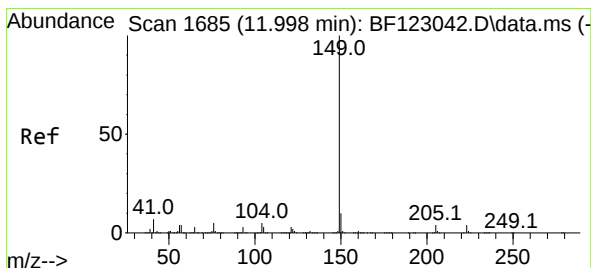
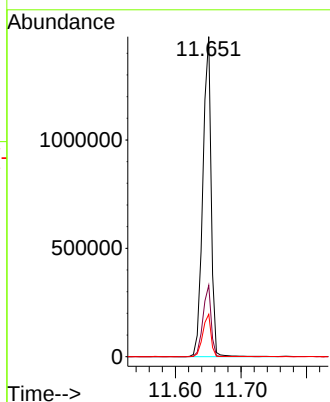
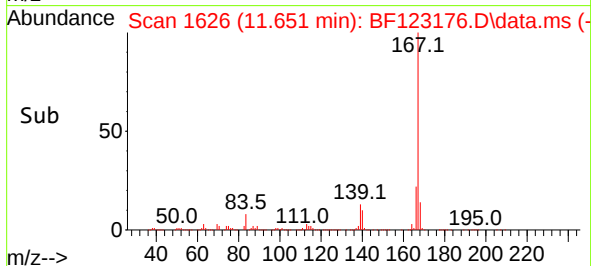
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



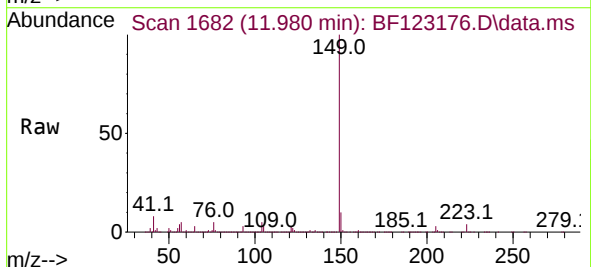
Tgt Ion:167 Resp: 1302344  
Ion Ratio Lower Upper  
167 100  
166 22.3 18.0 27.0  
139 13.3 10.9 16.3

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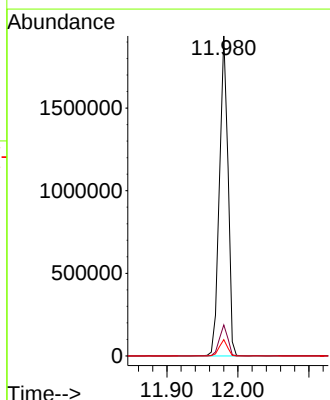
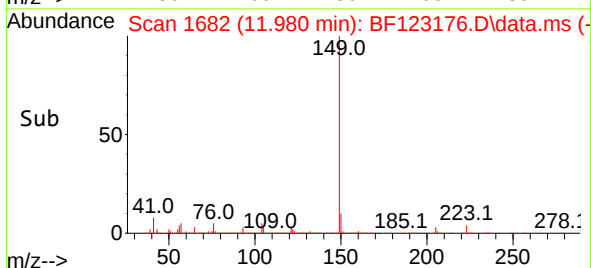
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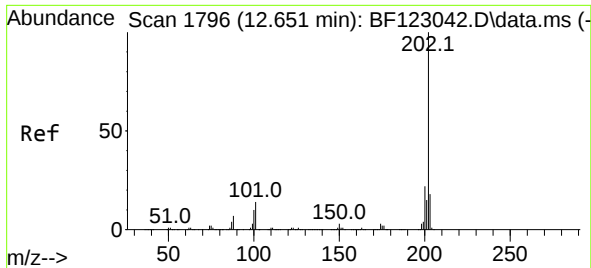


#74  
Di-n-butylphthalate  
Concen: 44.60 ng  
RT: 11.980 min Scan# 1682  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion:149 Resp: 1603078  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.8 11.6  
104 5.1 4.2 6.4





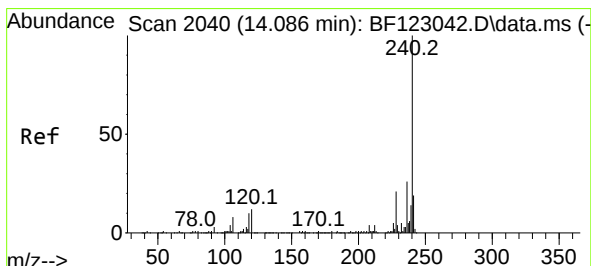
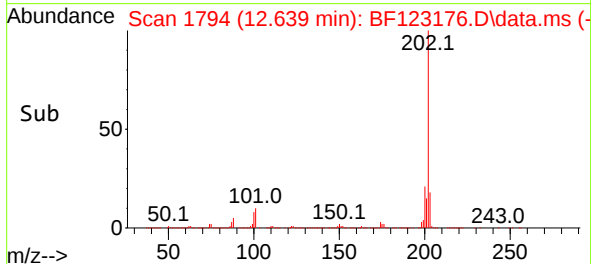
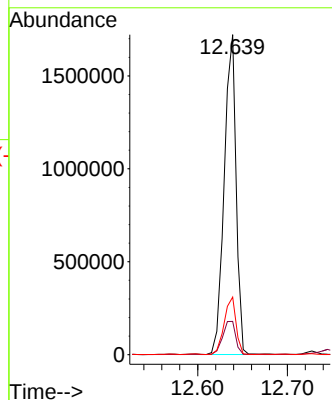
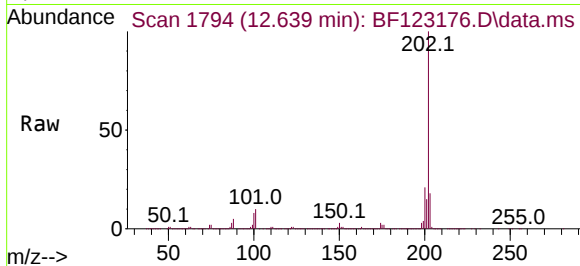
#75  
Fluoranthene  
Concen: 46.44 ng  
RT: 12.639 min Scan# 1794  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:202 Resp: 1580243  
Ion Ratio Lower Upper  
202 100  
101 10.4 0.0 32.2  
203 18.0 0.0 38.1

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

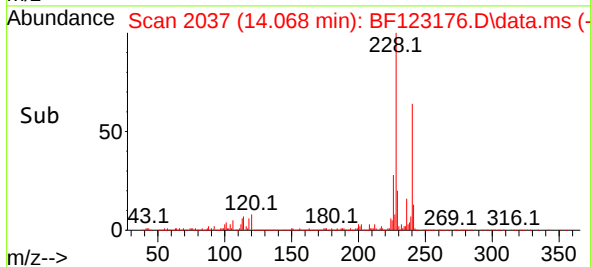
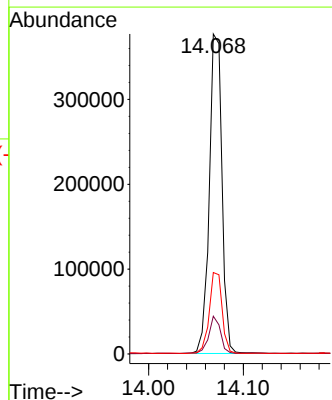
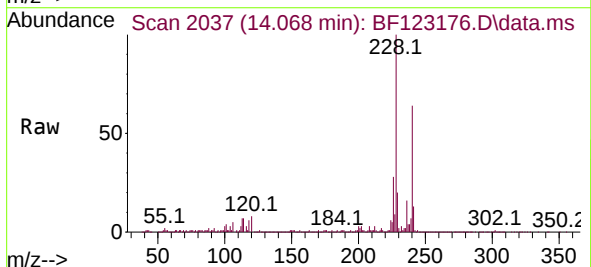
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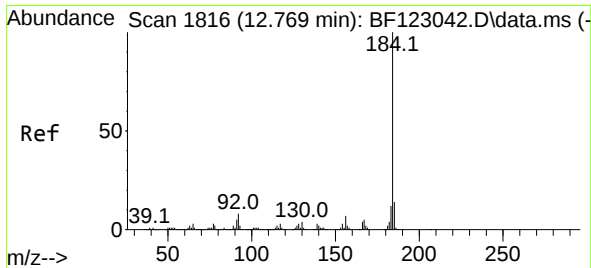
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#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.068 min Scan# 2037  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:240 Resp: 349304  
Ion Ratio Lower Upper  
240 100  
120 11.8 8.6 12.8  
236 25.5 20.3 30.5





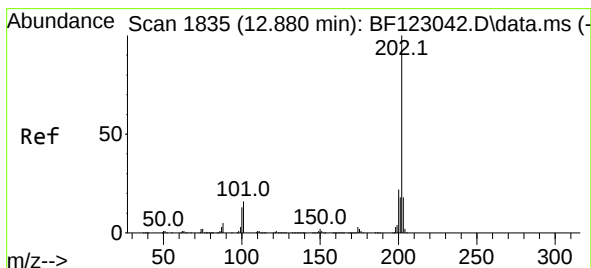
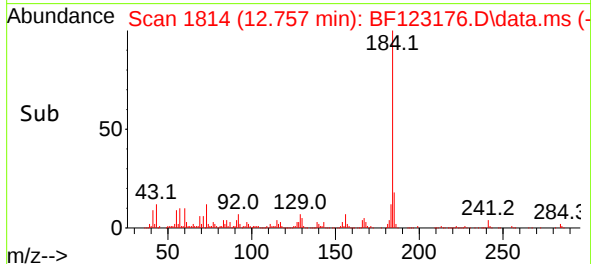
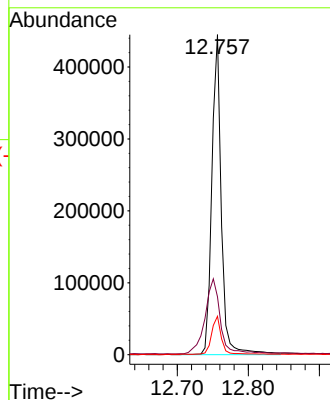
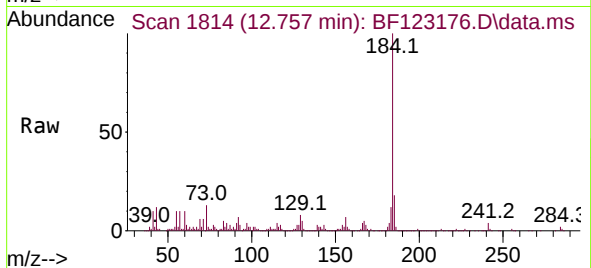
#77  
Benzidine  
Concen: 52.46 ng  
RT: 12.757 min Scan# 1814  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:184 Resp: 414632  
Ion Ratio Lower Upper  
184 100  
185 18.1 11.8 17.6#  
183 12.0 9.7 14.5

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

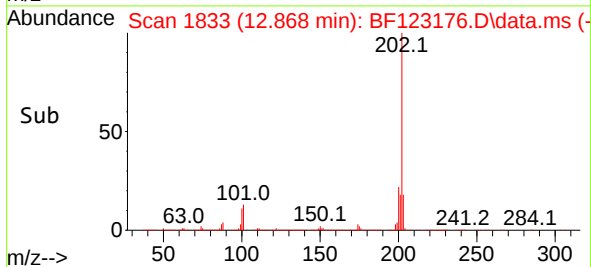
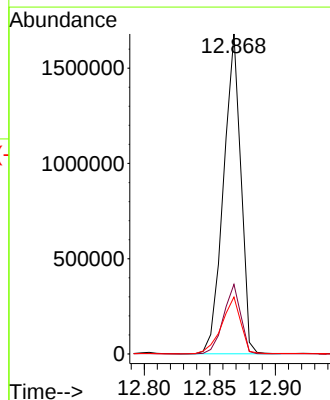
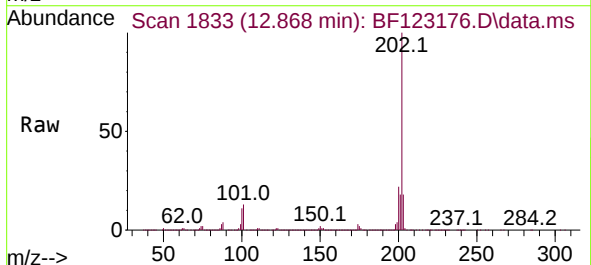
Manual Integrations  
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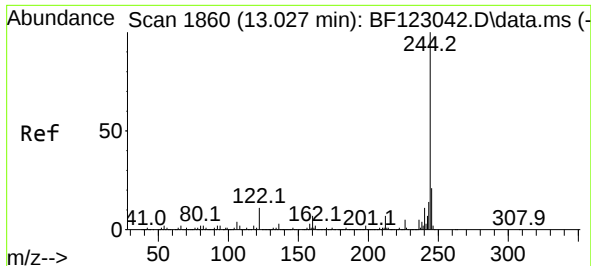
mohammad  
2/11/2021 9:46:26 AM



#78  
Pyrene  
Concen: 58.37 ng  
RT: 12.868 min Scan# 1833  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:202 Resp: 1539092  
Ion Ratio Lower Upper  
202 100  
200 21.7 17.6 26.4  
203 17.8 14.6 21.8





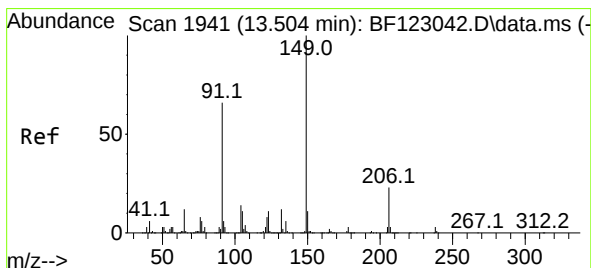
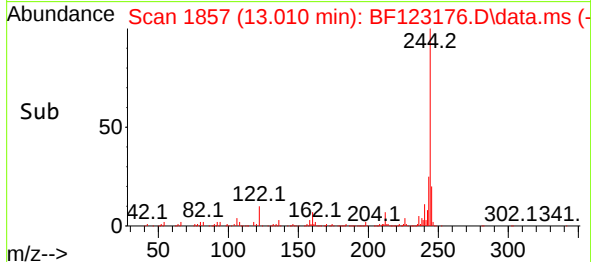
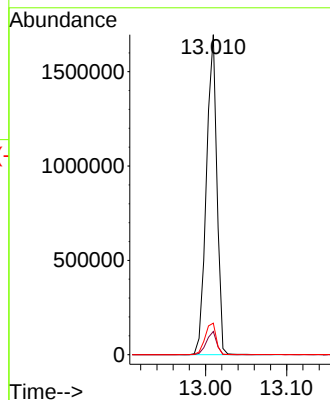
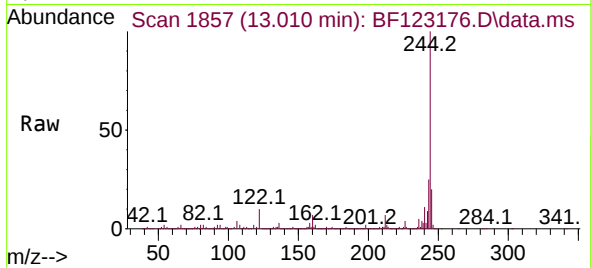
#79  
Terphenyl-d14  
Concen: 85.47 ng  
RT: 13.010 min Scan# 1857  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:244 Resp: 1519525  
Ion Ratio Lower Upper  
244 100  
212 7.2 5.7 8.5  
122 9.9 8.3 12.5

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

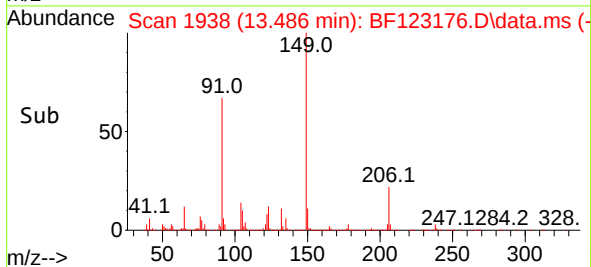
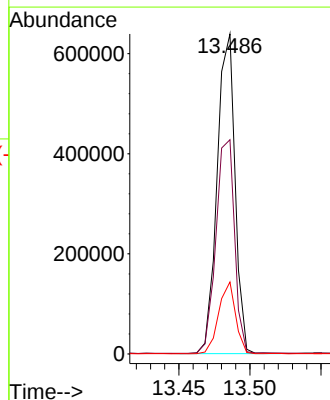
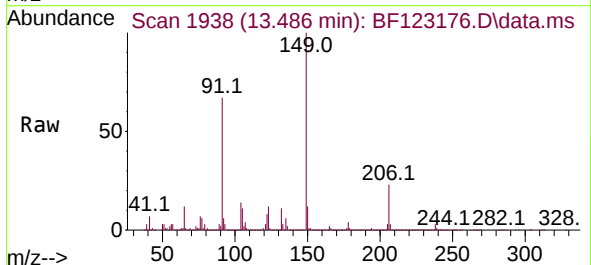
Manual Integrations  
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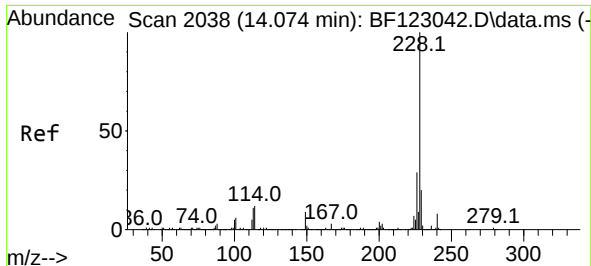
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#80  
Butylbenzylphthalate  
Concen: 49.38 ng  
RT: 13.486 min Scan# 1938  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:149 Resp: 560336  
Ion Ratio Lower Upper  
149 100  
91 67.0 56.5 84.7  
206 22.5 17.0 25.6





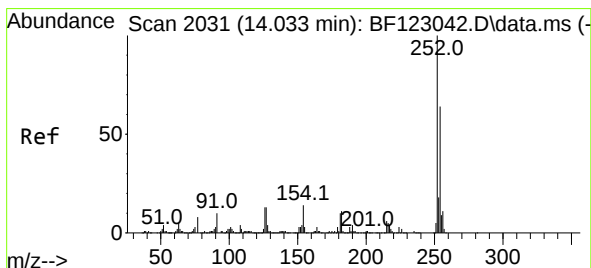
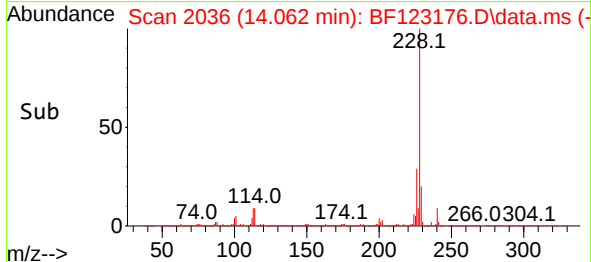
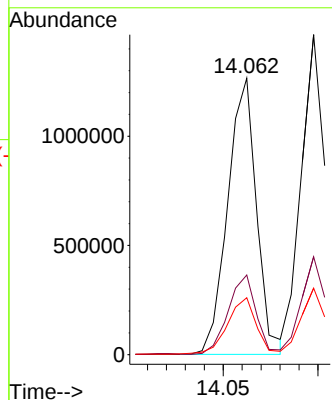
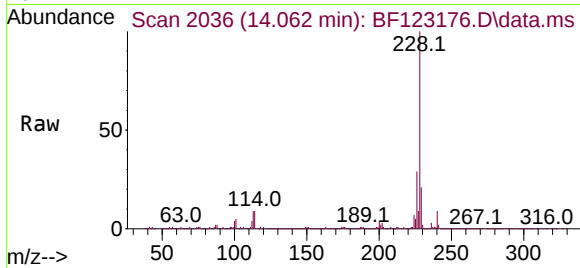
#81  
Benzo(a)anthracene  
Concen: 56.48 ng  
RT: 14.062 min Scan# 2036  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:228 Resp: 1335163  
Ion Ratio Lower Upper  
228 100  
226 28.8 23.0 34.4  
229 20.6 16.6 24.8

Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

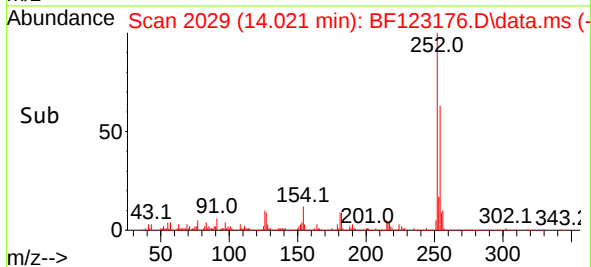
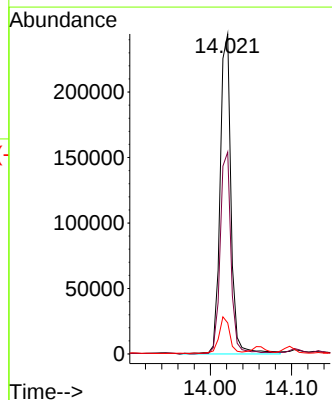
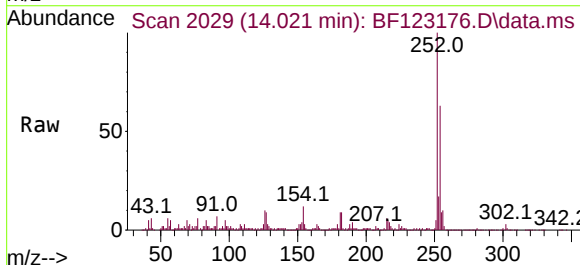
Manual Integrations  
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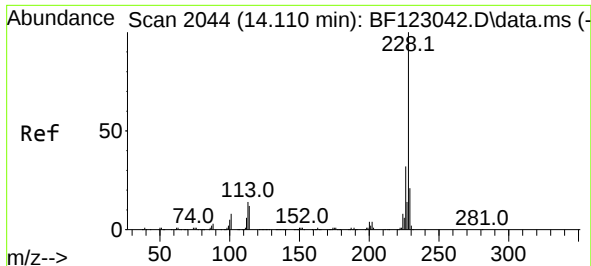
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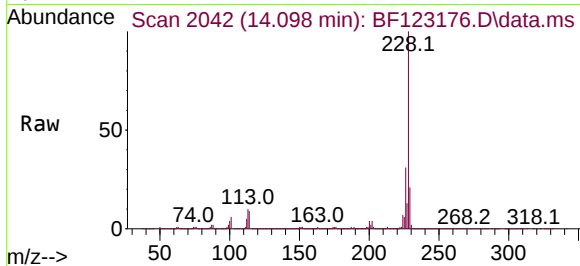
#82  
3,3'-Dichlorobenzidine  
Concen: 30.70 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

Tgt Ion:252 Resp: 228423  
Ion Ratio Lower Upper  
252 100  
254 63.1 52.7 79.1  
126 9.7 8.0 12.0

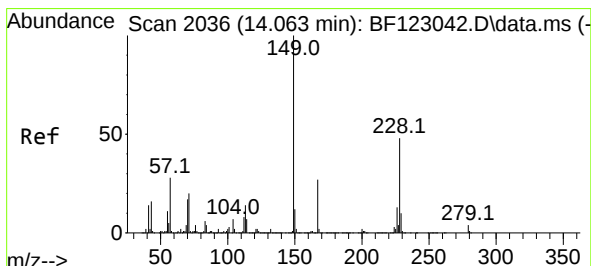
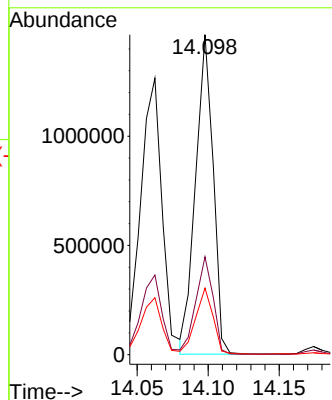
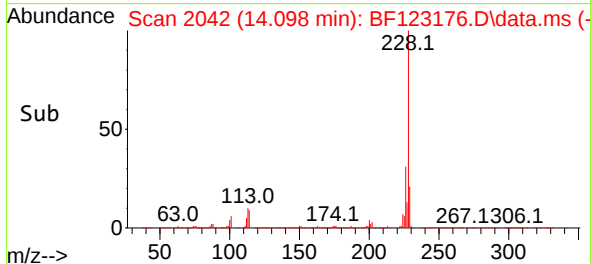




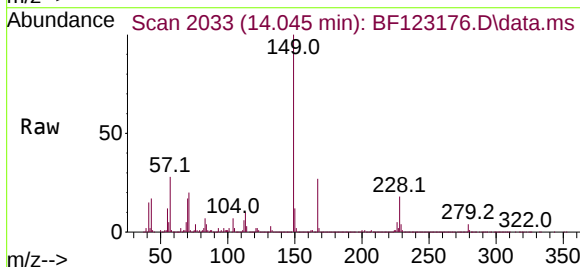
#83  
Chrysene  
Concen: 53.21 ng  
RT: 14.098 min Scan# 2042  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



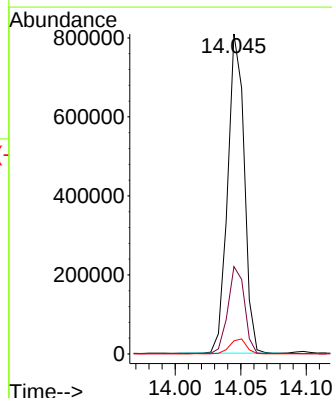
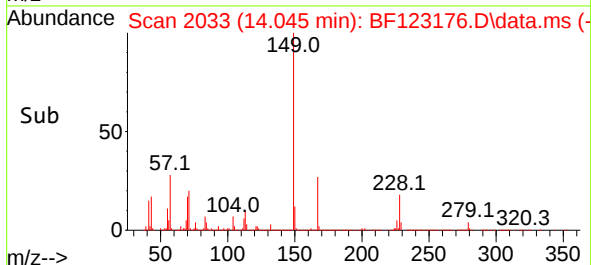
Tgt Ion:228 Resp: 1258970  
Ion Ratio Lower Upper  
228 100  
226 30.6 24.6 36.8  
229 20.8 15.8 23.6



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 46.99 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



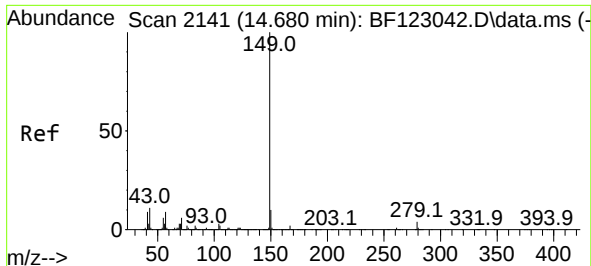
Tgt Ion:149 Resp: 708428  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.4 32.2  
279 4.1 3.4 5.0



Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

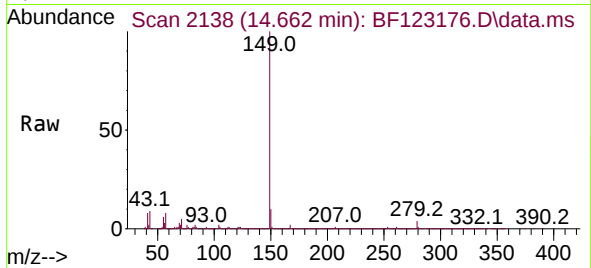
Manual Integrations  
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#85  
Di-n-octyl phthalate  
Concen: 44.96 ng  
RT: 14.662 min Scan# 2138  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

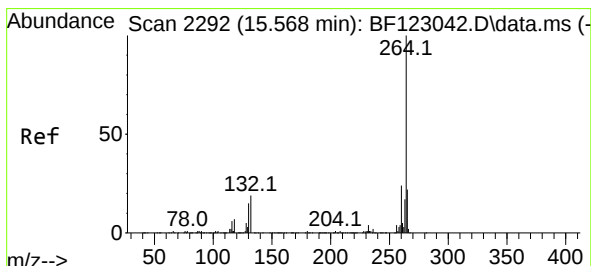
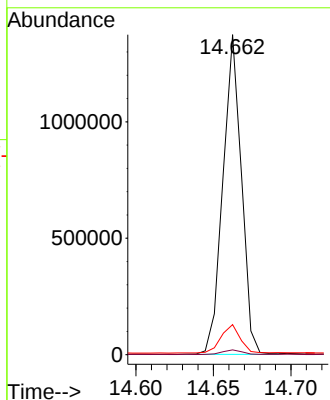
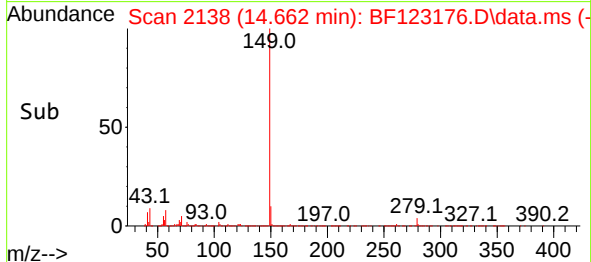
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ClientSampleId :  
OR-03-020921MSD



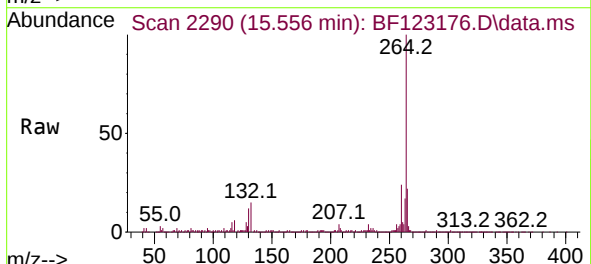
Tgt Ion:149 Resp: 1138302  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.5 7.6 11.4

Manual Integrations  
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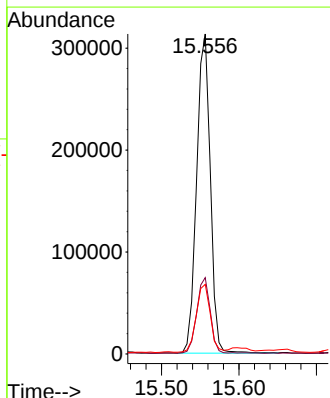
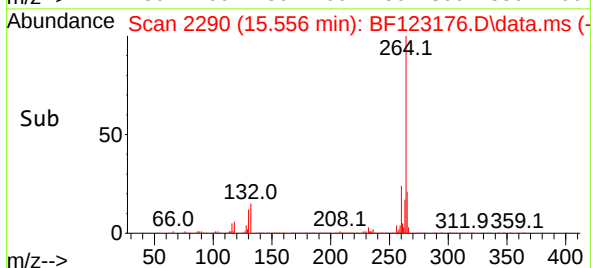
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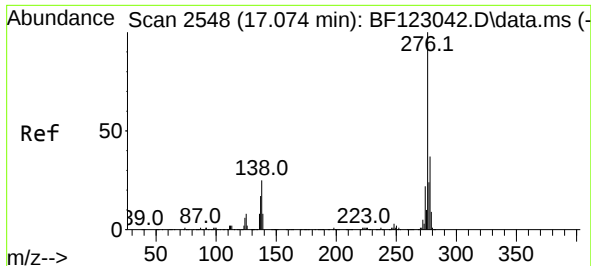


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.556 min Scan# 2290  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

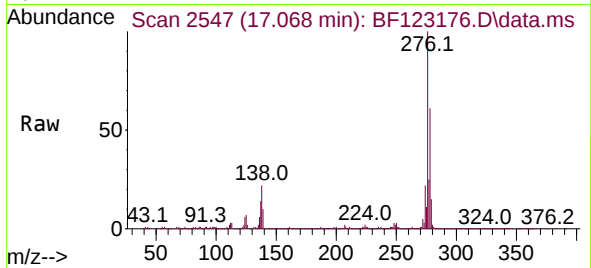


Tgt Ion:264 Resp: 383040  
Ion Ratio Lower Upper  
264 100  
260 23.9 18.6 28.0  
265 21.8 17.0 25.6

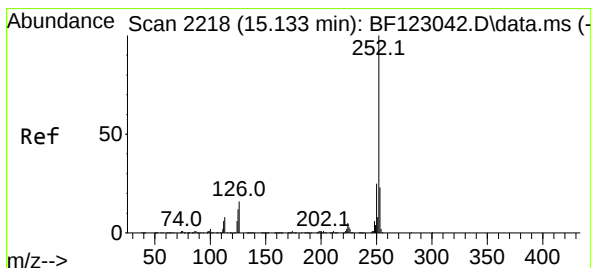
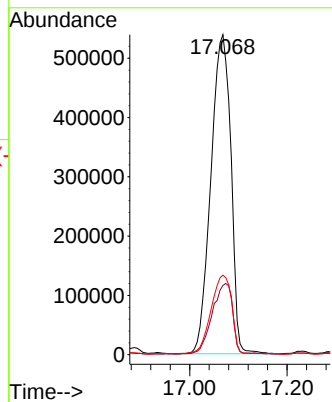
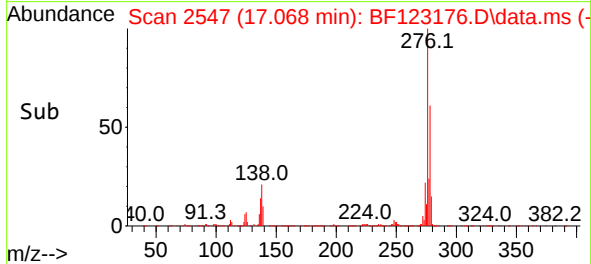




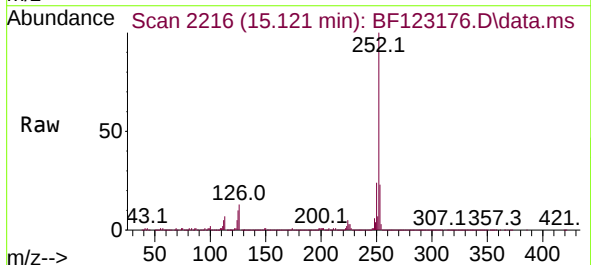
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 60.11 ng  
RT: 17.068 min Scan# 2547  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



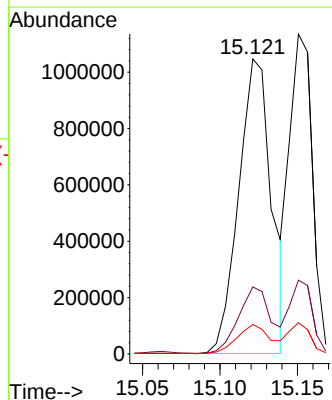
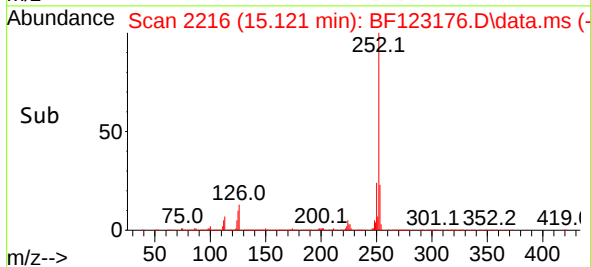
Tgt Ion:276 Resp: 1533325  
Ion Ratio Lower Upper  
276 100  
138 22.5 18.7 28.1  
277 25.3 20.2 30.4



#88  
Benzo(b)fluoranthene  
Concen: 55.62 ng  
RT: 15.121 min Scan# 2216  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



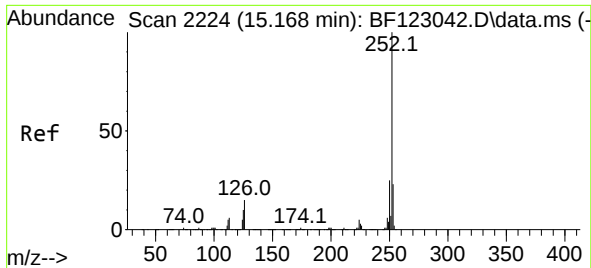
Tgt Ion:252 Resp: 1537775  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.3 27.5  
125 10.0 8.1 12.1



Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

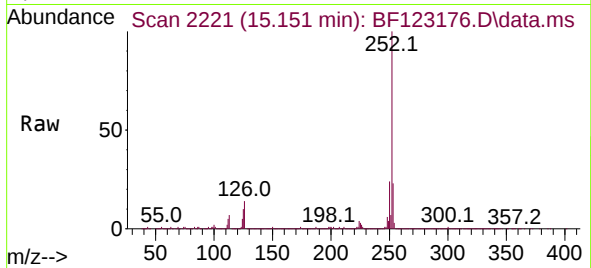
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#89  
Benzo(k)fluoranthene  
Concen: 45.64 ng  
RT: 15.151 min Scan# 2221  
Delta R.T. -0.018 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

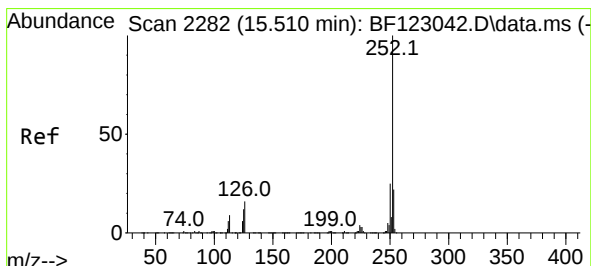
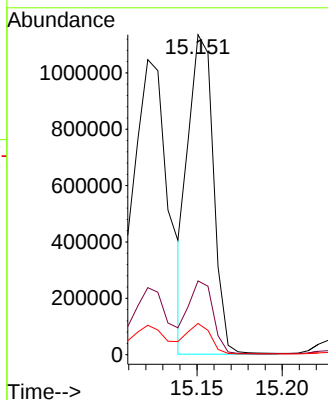
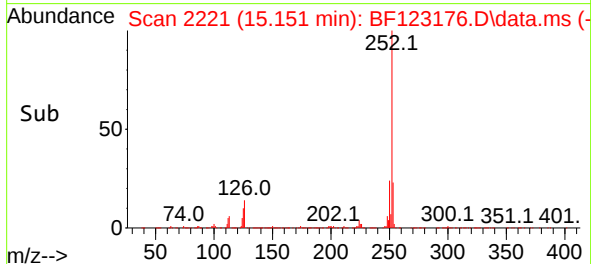
Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD



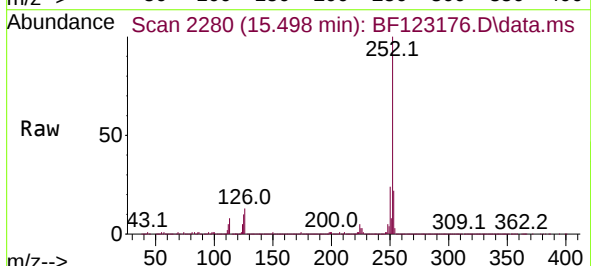
Tgt Ion:252 Resp: 1172409  
Ion Ratio Lower Upper  
252 100  
253 23.0 17.8 26.8  
125 9.8 8.4 12.6

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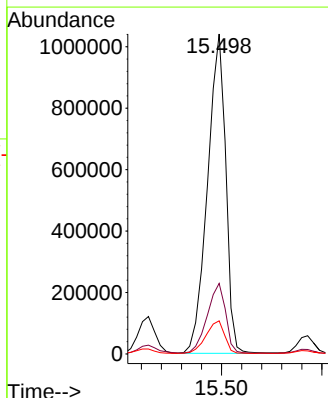
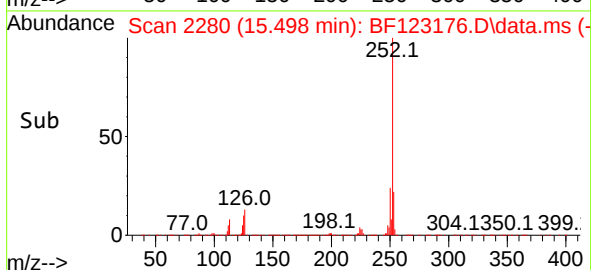
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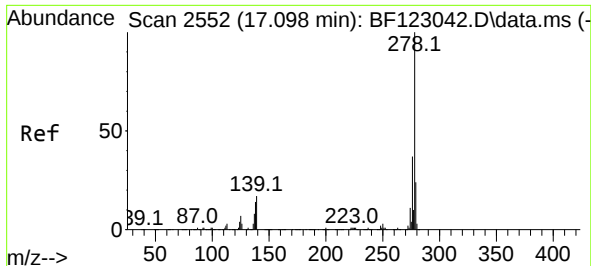


#90  
Benzo(a)pyrene  
Concen: 54.21 ng  
RT: 15.498 min Scan# 2280  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23

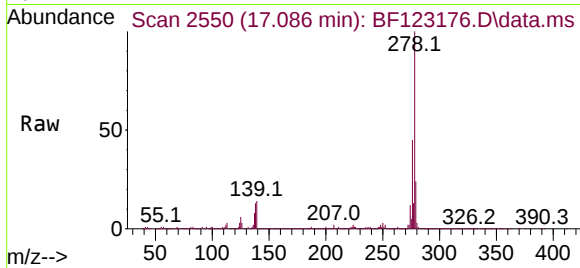


Tgt Ion:252 Resp: 1316309  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.5 26.3  
125 10.4 8.6 12.8

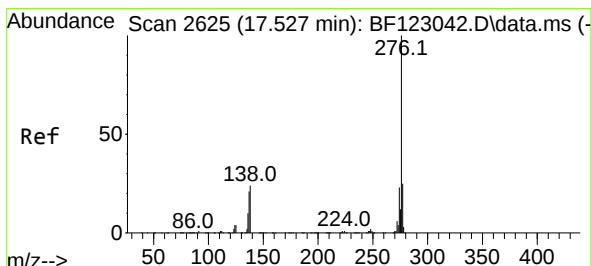
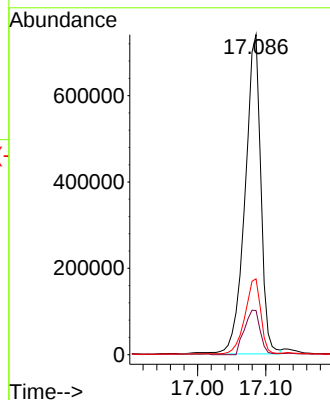
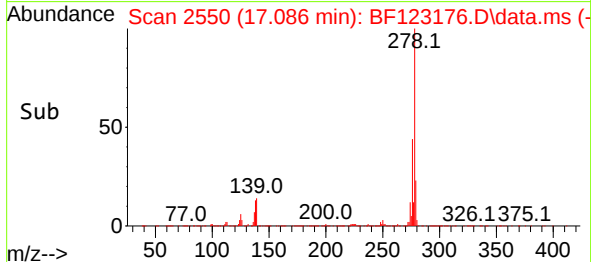




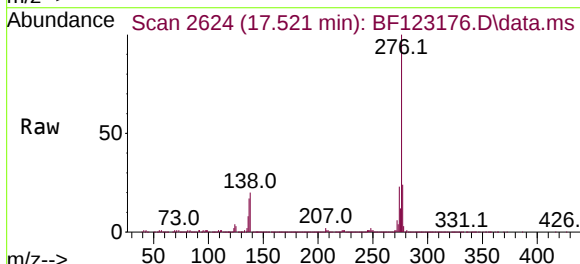
#91  
Dibenzo(a,h)anthracene  
Concen: 56.45 ng  
RT: 17.086 min Scan# 2550  
Delta R.T. -0.012 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



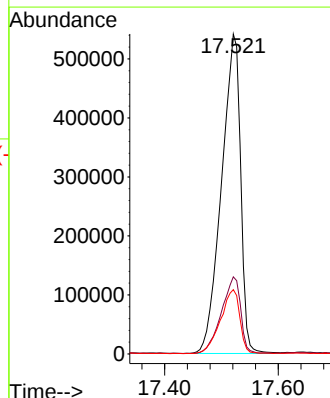
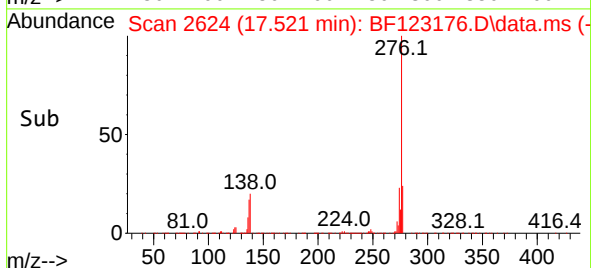
Tgt Ion:278 Resp: 1185167  
Ion Ratio Lower Upper  
278 100  
139 13.8 12.0 18.0  
279 23.7 19.4 29.2



#92  
Benzo(g,h,i)perylene  
Concen: 61.99 ng  
RT: 17.521 min Scan# 2624  
Delta R.T. -0.006 min  
Lab File: BF123176.D  
Acq: 10 Feb 2021 18:23



Tgt Ion:276 Resp: 1261218  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.3 28.9  
138 20.1 16.6 24.8



Instrument :  
BNA\_F  
ClientSampleId :  
OR-03-020921MSD

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