

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121620\  
 Data File : BF122748.D  
 Acq On : 16 Dec 2020 14:08  
 Operator : JU/CG  
 Sample : L5091-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-20057MSD

Manual Integrations  
 APPROVED

mohammad  
 12/17/2020 11:38:15 AM

Quant Time: Dec 16 15:02:38 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.816  | 152  | 194668   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 779945   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 425742   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 751755   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.992 | 240  | 496638   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 514568   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.445  | 112  | 1214433  | 98.76 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.457  | 99   | 1581520  | 96.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.386  | 82   | 1007818  | 64.74 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.651 | 330  | 521312   | 93.55 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1821777  | 57.88 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 1817813  | 64.07 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.616  | 88   | 195744   | 33.87 | ng    | 99       |
| 3) Pyridine                   | 3.357  | 79   | 573102   | 37.52 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.316  | 42   | 244615   | 39.93 | ng    | 98       |
| 6) Aniline                    | 6.481  | 93   | 432179   | 22.51 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.604  | 128  | 598736   | 44.18 | ng    | 97       |
| 9) Benzaldehyde               | 6.363  | 77   | 221113   | 22.40 | ng    | 100      |
| 10) Phenol                    | 6.469  | 94   | 728020   | 43.08 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.557  | 93   | 548179   | 42.46 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.757  | 146  | 619911   | 38.66 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 619325   | 38.30 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 599716   | 38.42 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.963  | 79   | 495422   | 44.12 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.098  | 45   | 689305   | 37.44 | ng    | 96       |
| 17) 2-Methylphenol            | 7.081  | 107  | 490136   | 45.49 | ng    | 99       |
| 18) Hexachloroethane          | 7.334  | 117  | 222026   | 38.53 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.239  | 70   | 386860   | 41.41 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 551584   | 40.53 | ng    | 98       |
| 22) Acetophenone              | 7.234  | 105  | 732332   | 37.76 | ng    | # 95     |
| 24) Nitrobenzene              | 7.404  | 77   | 595783   | 38.47 | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 1115034  | 41.59 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 323201   | 42.79 | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 530498   | 47.92 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 706726   | 38.49 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.969  | 162  | 514743   | 39.82 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 541381   | 36.96 | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1650975  | 38.36 | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 265428   | 30.09 | ng    | 98       |
| 33) 4-Chloroaniline           | 8.175  | 127  | 230888   | 12.83 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 319565   | 35.45 | ng    | 99       |
| 35) Caprolactam               | 8.557  | 113  | 156632m  | 40.23 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.669  | 107  | 542289   | 42.58 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 1125183  | 39.52 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 1054069  | 39.14 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 528933   | 37.51 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 376741   | 60.42 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 373292   | 38.33 | ng    | 100      |

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 Sample : L5091-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CHRT-20057MSD

Manual Integrations  
 APPROVED

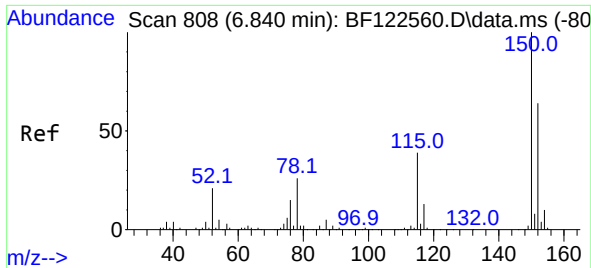
mohammad  
 12/17/2020 11:38:15 AM

Quant Time: Dec 16 15:02:38 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 15 18:14:23 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.145  | 196  | 402600   | 39.99 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1338401  | 37.88 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 1067225  | 36.46 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 316970   | 37.14 | ng    | 94       |
| 49) Acenaphthylene            | 9.728  | 152  | 1633833  | 37.79 | ng    | 100      |
| 50) Dimethylphthalate         | 9.592  | 163  | 1485127  | 43.68 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 298458   | 41.56 | ng    | 98       |
| 52) Acenaphthene              | 9.898  | 154  | 1057311m | 37.79 | ng    |          |
| 53) 3-Nitroaniline            | 9.816  | 138  | 160137   | 19.30 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.928  | 184  | 143433   | 40.85 | ng    | # 90     |
| 55) Dibenzofuran              | 10.069 | 168  | 1472440  | 37.42 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.992  | 139  | 461524   | 78.00 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 375134   | 39.22 | ng    | 99       |
| 58) Fluorene                  | 10.410 | 166  | 1133571  | 36.22 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 344373   | 38.94 | ng    | 98       |
| 60) Diethylphthalate          | 10.286 | 149  | 1263271  | 38.20 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 548817   | 35.61 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.433 | 138  | 267541   | 31.76 | ng    | 98       |
| 63) Azobenzene                | 10.563 | 77   | 1141592  | 37.55 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.463 | 198  | 116476   | 25.41 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.522 | 169  | 1057581  | 39.81 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.892 | 248  | 392446   | 38.52 | ng    | 92       |
| 68) Hexachlorobenzene         | 10.963 | 284  | 419458   | 37.25 | ng    | 94       |
| 69) Atrazine                  | 11.051 | 200  | 306118   | 35.49 | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 448601   | 75.19 | ng    | 99       |
| 71) Phenanthrene              | 11.374 | 178  | 2056813  | 46.04 | ng    | 99       |
| 72) Anthracene                | 11.427 | 178  | 1783667  | 40.26 | ng    | 100      |
| 73) Carbazole                 | 11.580 | 167  | 1539826  | 38.32 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1905415  | 37.74 | ng    | 100      |
| 75) Fluoranthene              | 12.563 | 202  | 2304918  | 49.20 | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 378458   | 35.23 | ng    | 99       |
| 78) Pyrene                    | 12.792 | 202  | 2335065  | 60.81 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 777357   | 44.95 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.980 | 228  | 1694451  | 51.05 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 294644   | 24.79 | ng    | 99       |
| 83) Chrysene                  | 14.021 | 228  | 1627708  | 49.28 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.968 | 149  | 1065365  | 44.98 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 1754202  | 44.65 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.904 | 276  | 1615119  | 47.82 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1880612  | 52.09 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 1235021  | 37.41 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 1444713  | 45.74 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.915 | 278  | 1224461  | 44.29 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.339 | 276  | 1416460  | 52.94 | ng    | 98       |

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





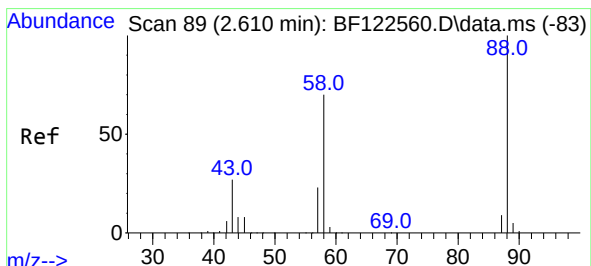
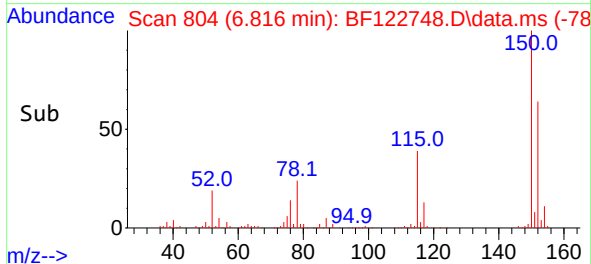
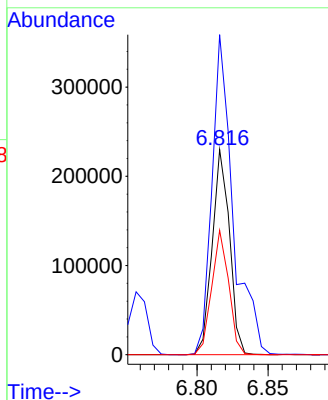
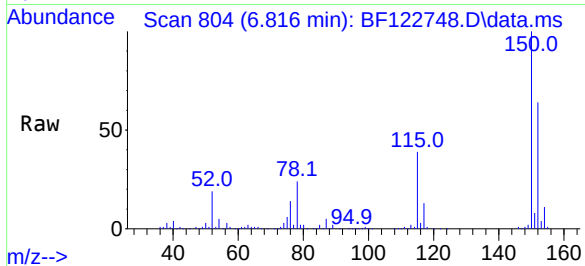
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.816 min Scan# 804  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:152 Resp: 194668  
Ion Ratio Lower Upper  
152 100  
150 156.0 125.8 188.6  
115 60.6 49.3 73.9

Instrument :  
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CHRT-20057MSD

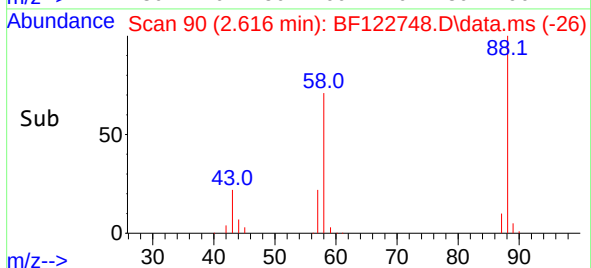
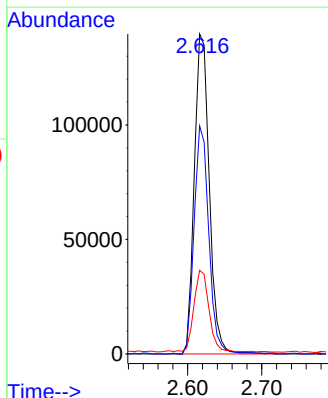
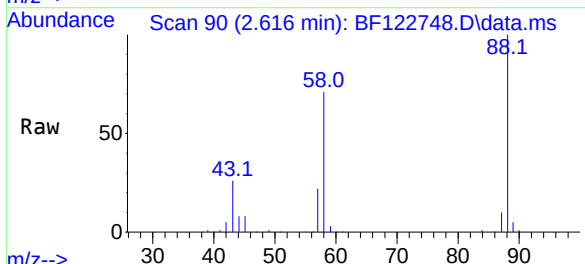
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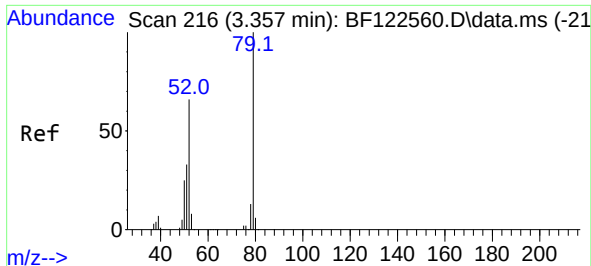
mohammad  
12/17/2020 11:38:15 AM



#2  
1,4-Dioxane  
Concen: 33.87 ng  
RT: 2.616 min Scan# 90  
Delta R.T. 0.076 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 88 Resp: 195744  
Ion Ratio Lower Upper  
88 100  
58 70.3 56.2 84.2  
43 25.7 21.8 32.6





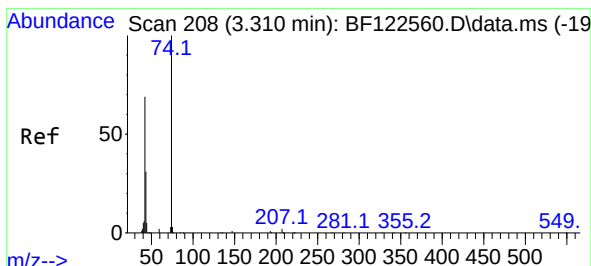
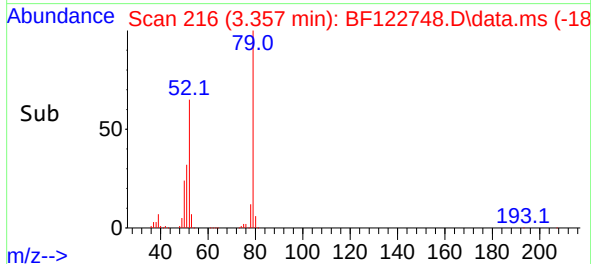
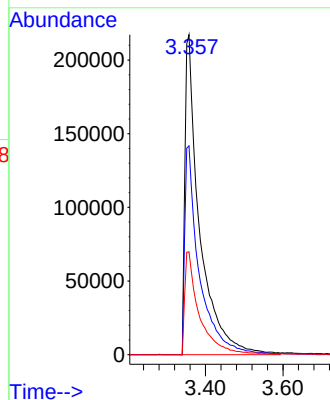
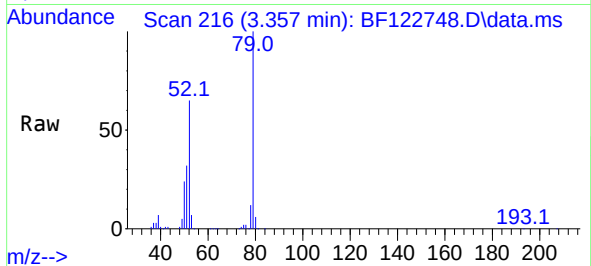
#3  
Pyridine  
Concen: 37.52 ng  
RT: 3.357 min Scan# 216  
Delta R.T. 0.070 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 79 Resp: 573102  
Ion Ratio Lower Upper  
79 100  
52 65.3 53.0 79.4  
51 32.1 26.6 39.8

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

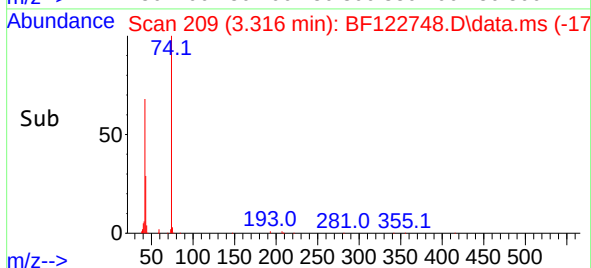
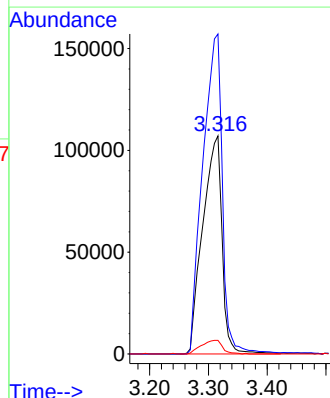
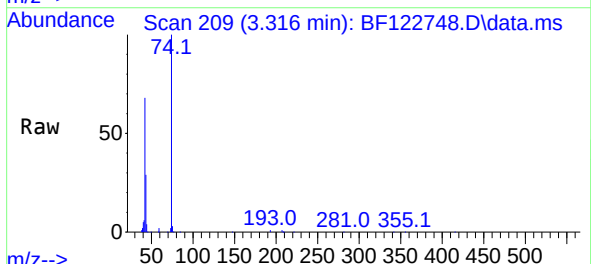
Manual Integrations  
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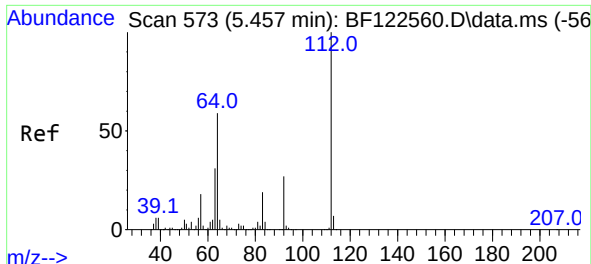
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12/17/2020 11:38:15 AM



#4  
n-Nitrosodimethylamine  
Concen: 39.93 ng  
RT: 3.316 min Scan# 209  
Delta R.T. 0.076 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

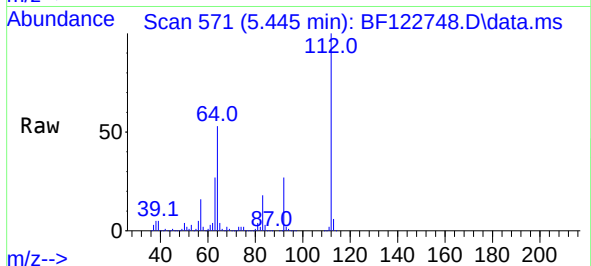
Tgt Ion: 42 Resp: 244615  
Ion Ratio Lower Upper  
42 100  
74 146.7 115.2 172.8  
44 6.2 5.4 8.0





#5  
2-Fluorophenol  
Concen: 98.76 ng  
RT: 5.445 min Scan# 571  
Delta R.T. 0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

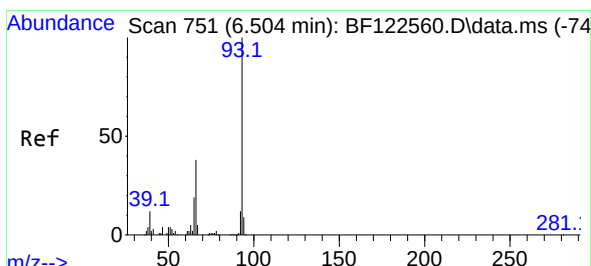
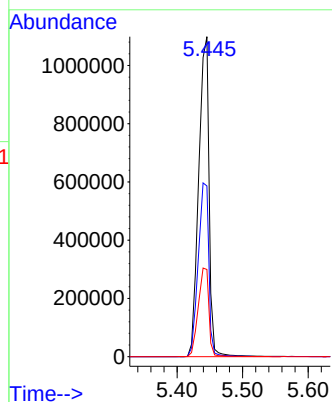
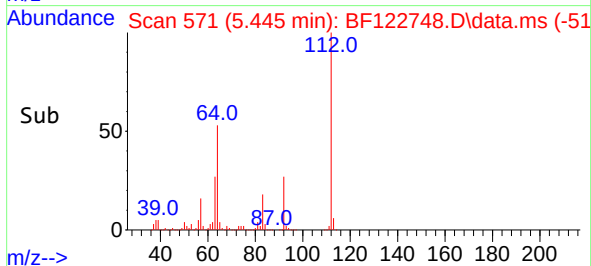
Instrument :  
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ClientSampleId :  
CHRT-20057MSD



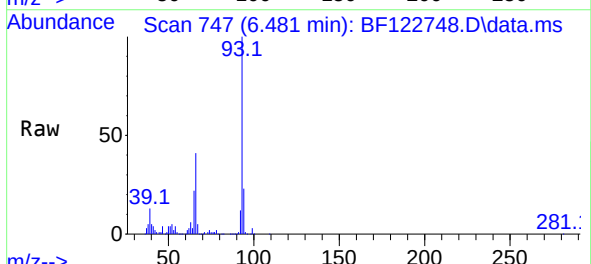
Tgt Ion:112 Resp: 1214433  
Ion Ratio Lower Upper  
112 100  
64 53.4 46.9 70.3  
63 27.3 24.5 36.7

Manual Integrations  
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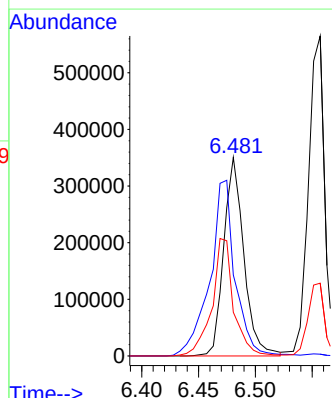
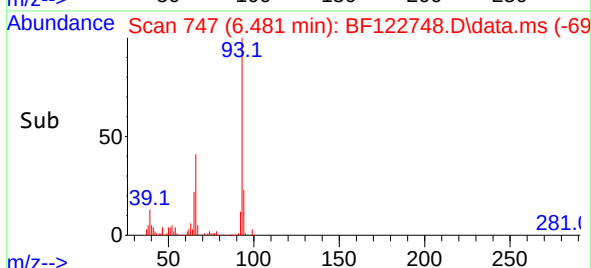
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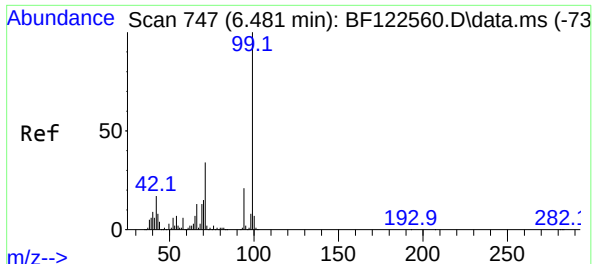


#6  
Aniline  
Concen: 22.51 ng  
RT: 6.481 min Scan# 747  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion: 93 Resp: 432179  
Ion Ratio Lower Upper  
93 100  
66 40.8 31.3 46.9  
65 22.0 15.6 23.4





#7  
Phenol-d6  
Concen: 96.98 ng  
RT: 6.457 min Scan# 743  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

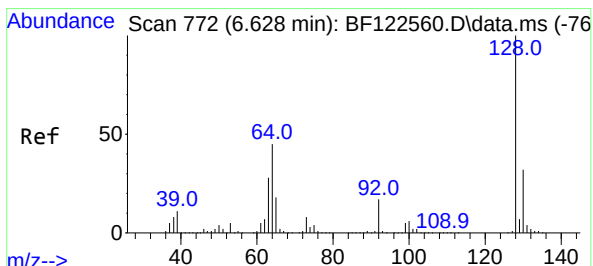
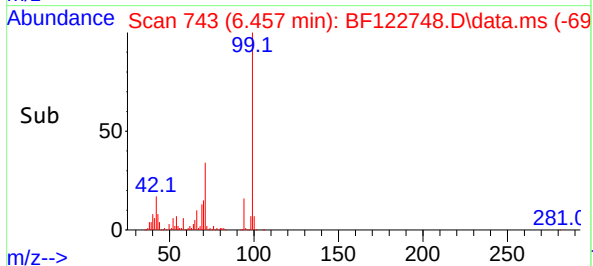
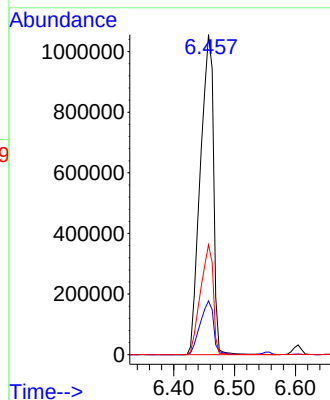
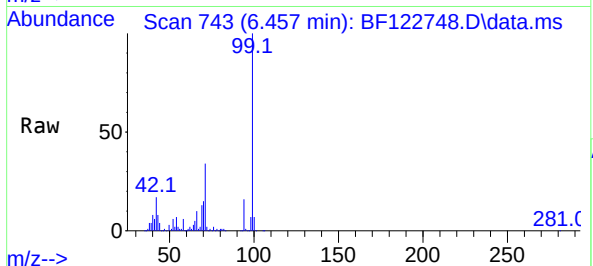
Tgt Ion: 99 Resp: 1581520

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 16.8  | 13.8  | 20.6  |
| 71  | 34.4  | 26.9  | 40.3  |

Instrument :  
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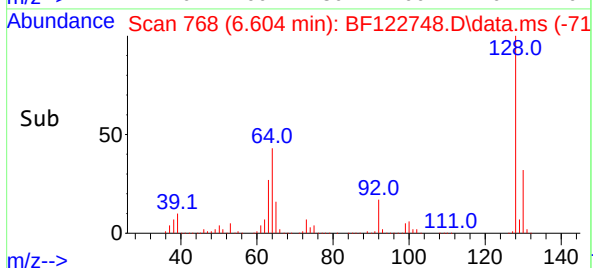
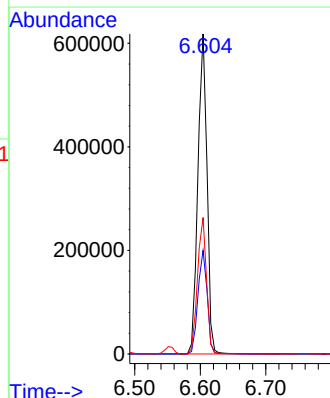
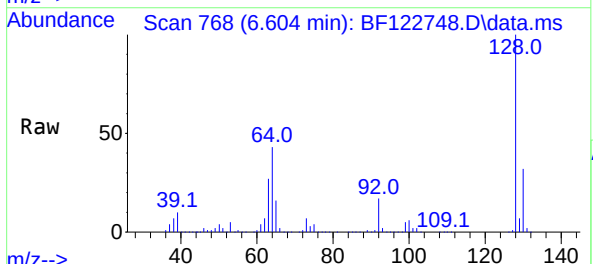
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12/17/2020 11:38:15 AM

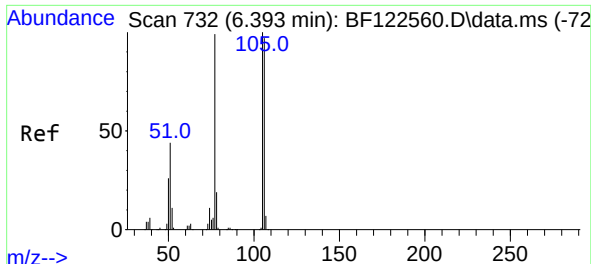


#8  
2-Chlorophenol  
Concen: 44.18 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 128 Resp: 598736

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 32.4  | 12.3  | 52.3  |
| 64  | 42.7  | 25.5  | 65.5  |





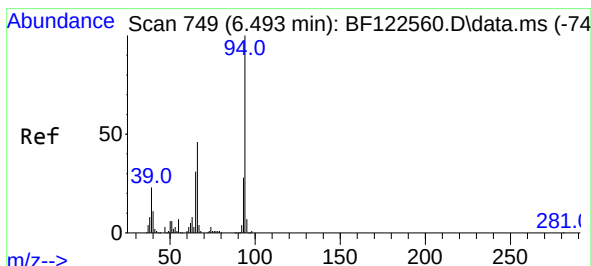
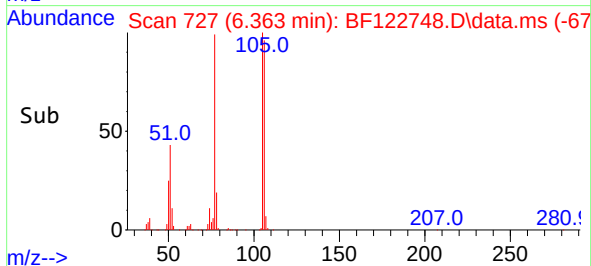
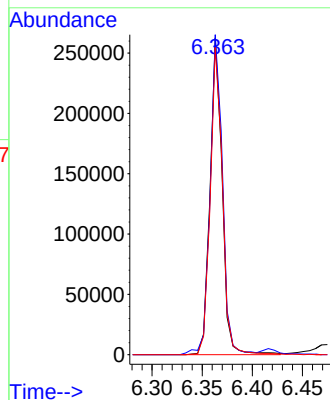
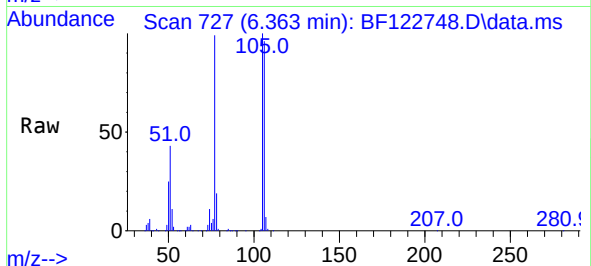
#9  
Benzaldehyde  
Concen: 22.40 ng  
RT: 6.363 min Scan# 727  
Delta R.T. -0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 77 Resp: 221113  
Ion Ratio Lower Upper  
77 100  
105 101.0 80.6 120.6  
106 96.9 77.2 117.2

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

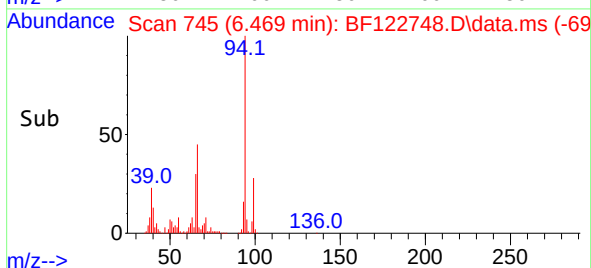
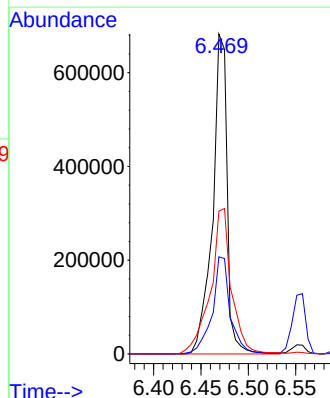
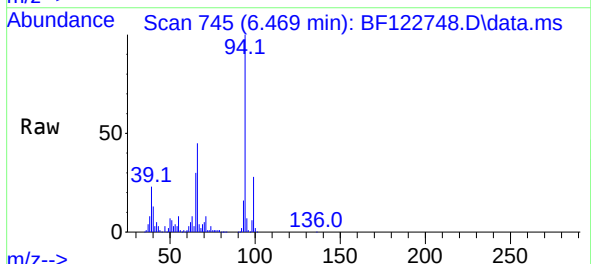
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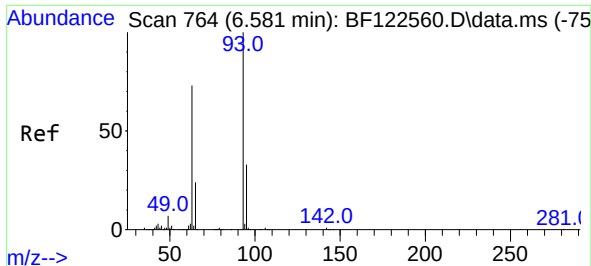


#10  
Phenol  
Concen: 43.08 ng  
RT: 6.469 min Scan# 745  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 94 Resp: 728020  
Ion Ratio Lower Upper  
94 100  
65 30.4 11.2 51.2  
66 44.7 25.8 65.8

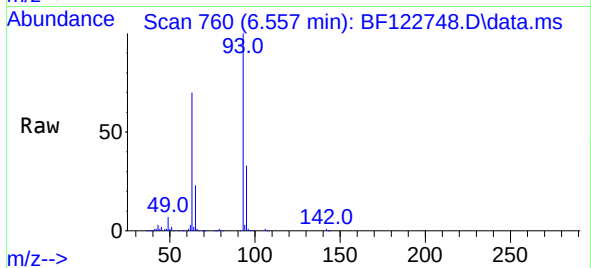






#11  
bis(2-Chloroethyl)ether  
Concen: 42.46 ng  
RT: 6.557 min Scan# 760  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

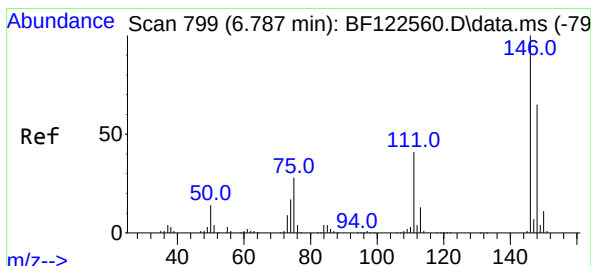
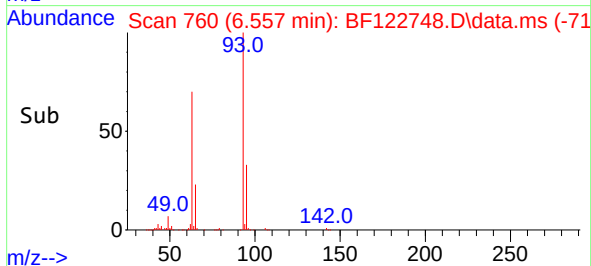
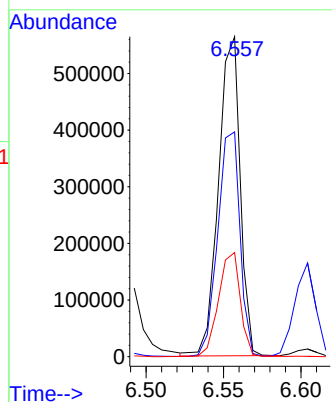
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



Tgt Ion: 93 Resp: 548179  
Ion Ratio Lower Upper  
93 100  
63 70.3 52.6 92.6  
95 32.6 12.6 52.6

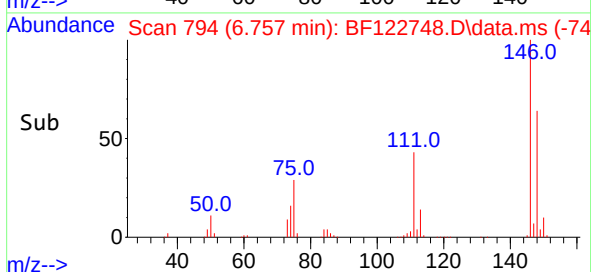
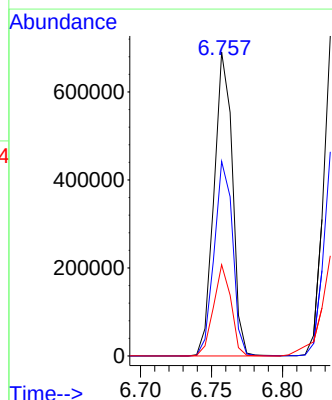
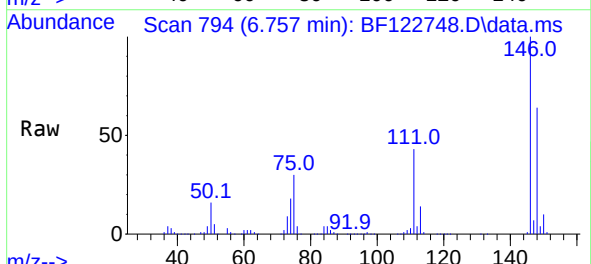
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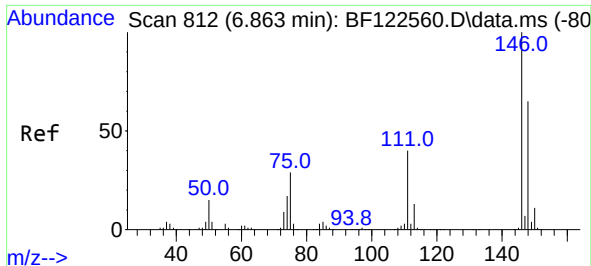
mohammad  
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#12  
1,3-Dichlorobenzene  
Concen: 38.66 ng  
RT: 6.757 min Scan# 794  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 146 Resp: 619911  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.8 77.8  
75 30.0 22.5 33.7





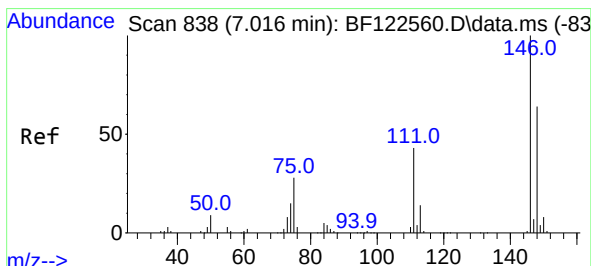
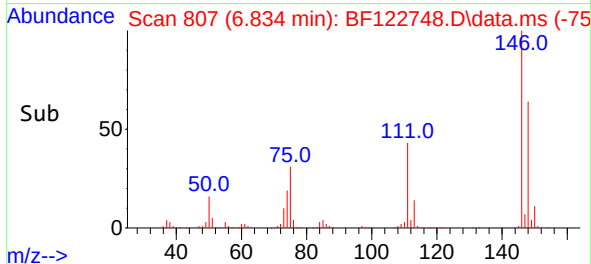
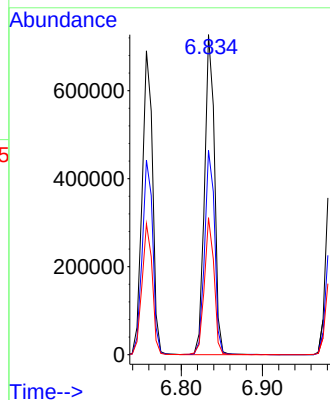
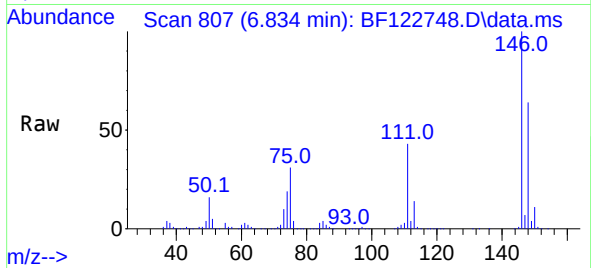
#13  
1,4-Dichlorobenzene  
Concen: 38.30 ng  
RT: 6.834 min Scan# 807  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:146 Resp: 619325  
Ion Ratio Lower Upper  
146 100  
148 63.8 52.0 78.0  
111 42.8 32.3 48.5

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

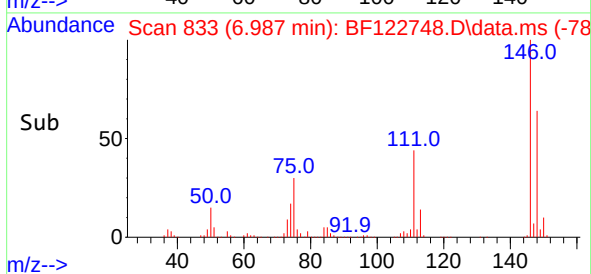
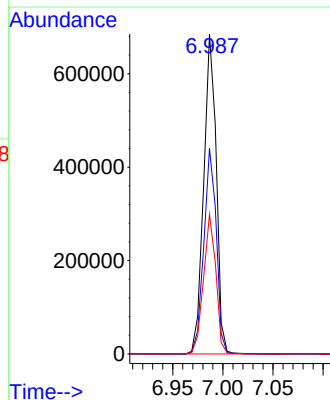
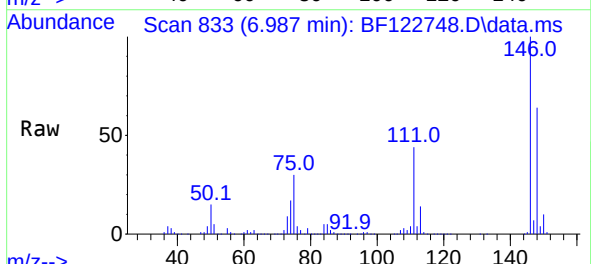
Manual Integrations  
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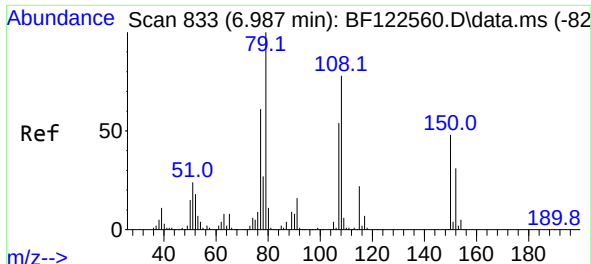
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#14  
1,2-Dichlorobenzene  
Concen: 38.42 ng  
RT: 6.987 min Scan# 833  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

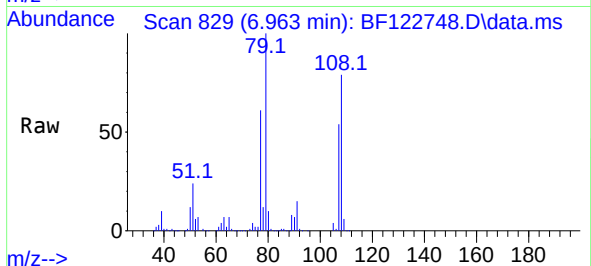
Tgt Ion:146 Resp: 599716  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.5 77.3  
111 43.7 34.2 51.2





#15  
Benzyl Alcohol  
Concen: 44.12 ng  
RT: 6.963 min Scan# 829  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

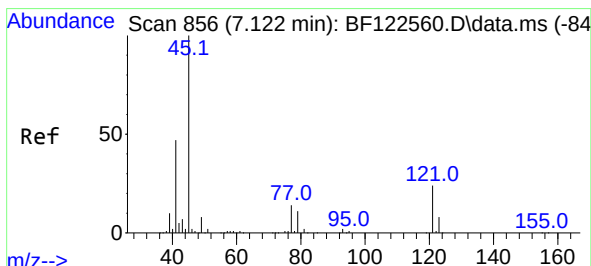
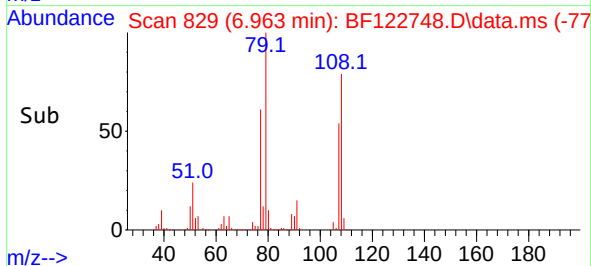
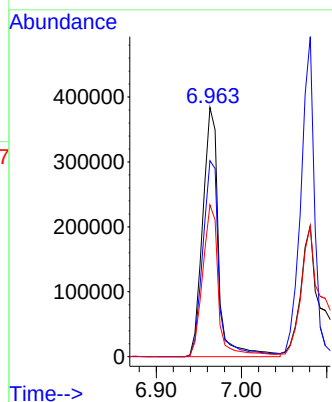
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



Tgt Ion: 79 Resp: 495422  
Ion Ratio Lower Upper  
79 100  
108 78.7 62.4 93.6  
77 61.0 49.0 73.6

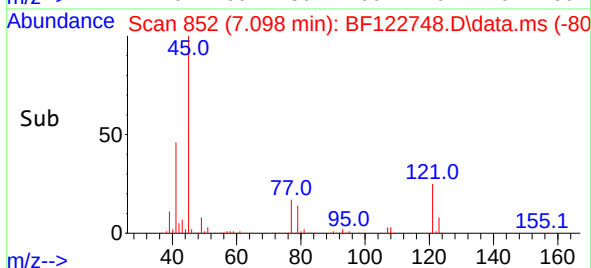
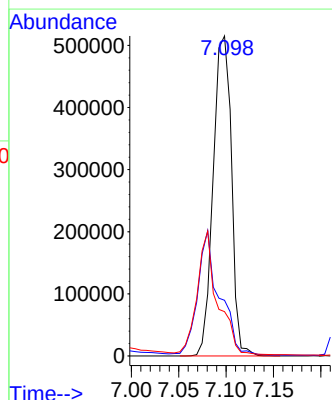
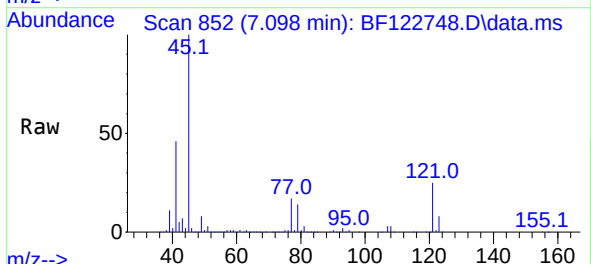
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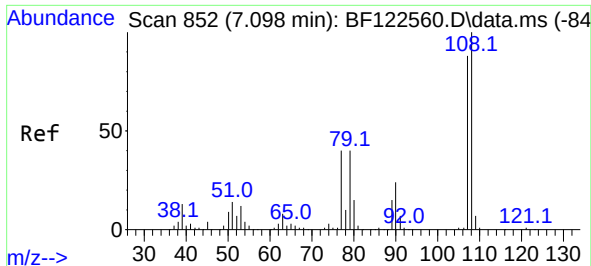
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#16  
2,2'-oxybis(1-chloropropane)  
Concen: 37.44 ng  
RT: 7.098 min Scan# 852  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 45 Resp: 689305  
Ion Ratio Lower Upper  
45 100  
77 17.4 0.0 35.6  
79 13.8 0.0 32.4





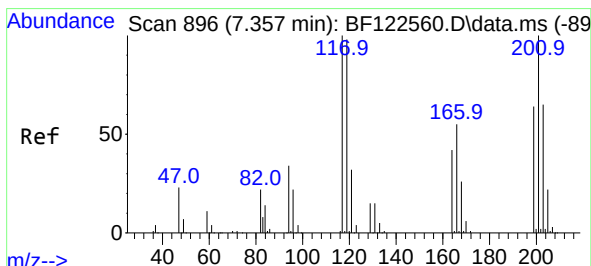
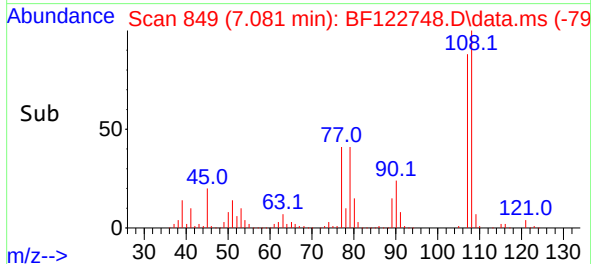
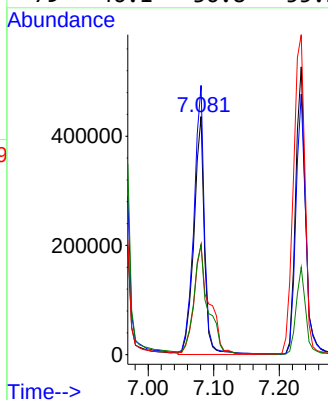
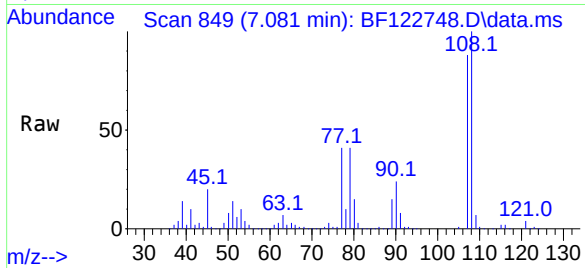
#17  
2-Methylphenol  
Concen: 45.49 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 490136 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 113.0 | 91.1  | 136.7  |
| 77       | 46.2  | 36.3  | 54.5   |
| 79       | 46.1  | 36.8  | 55.2   |

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

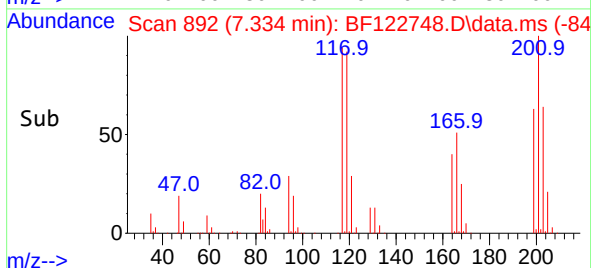
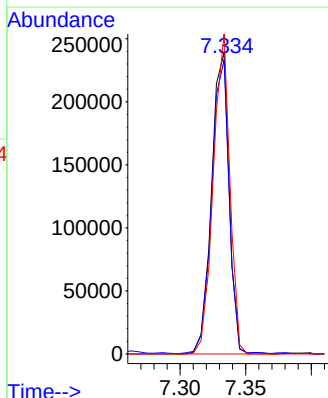
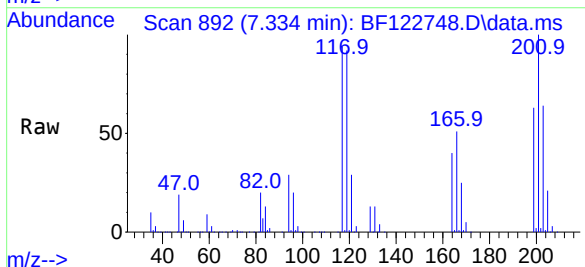
Manual Integrations  
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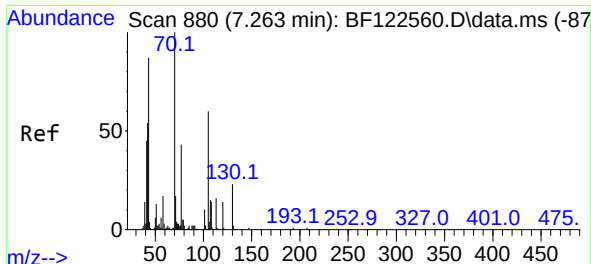
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#18  
Hexachloroethane  
Concen: 38.53 ng  
RT: 7.334 min Scan# 892  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

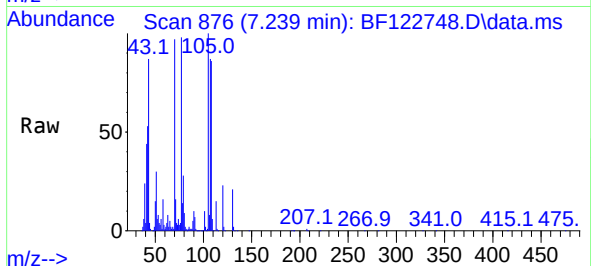
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 222026 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 97.5  | 78.4  | 117.6  |
| 201      | 106.1 | 79.6  | 119.4  |





#19  
n-Nitroso-di-n-propylamine  
Concen: 41.41 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

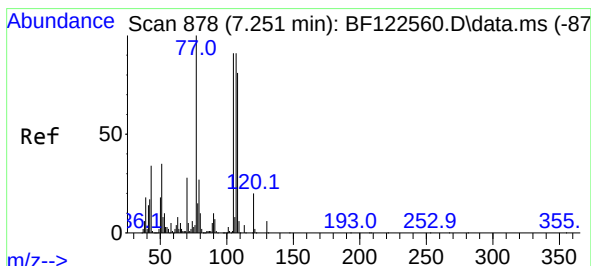
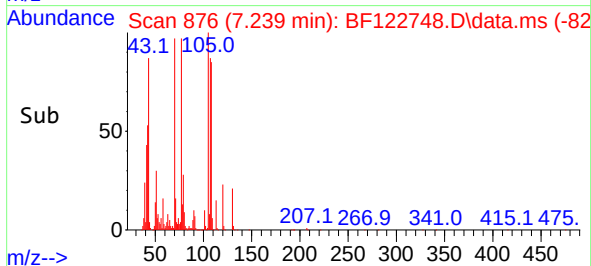
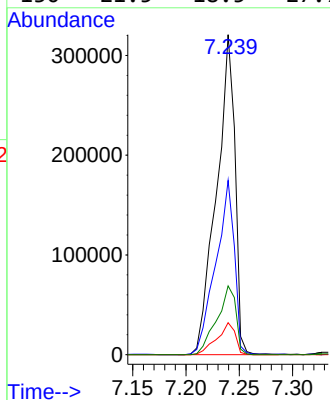
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



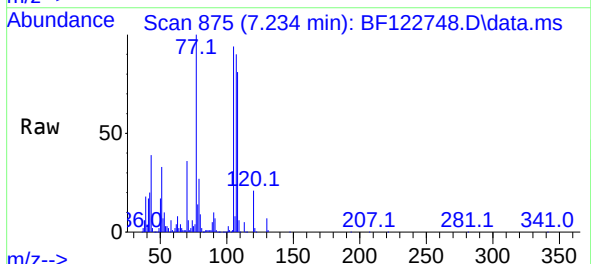
Tgt Ion: 70 Resp: 386860  
Ion Ratio Lower Upper  
70 100  
42 54.5 43.0 64.4  
101 10.0 7.9 11.9  
130 21.5 18.5 27.7

Manual Integrations  
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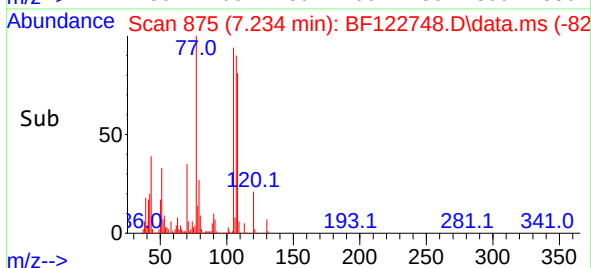
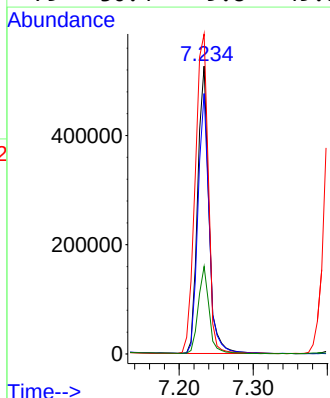
mohammad  
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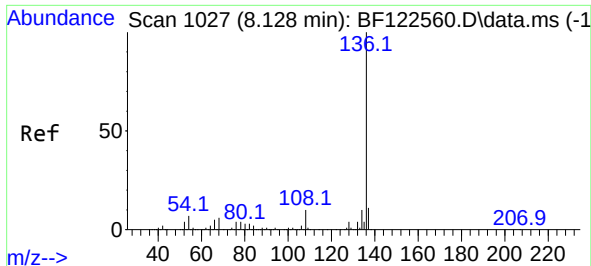


#20  
3+4-Methylphenols  
Concen: 40.53 ng  
RT: 7.234 min Scan# 875  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

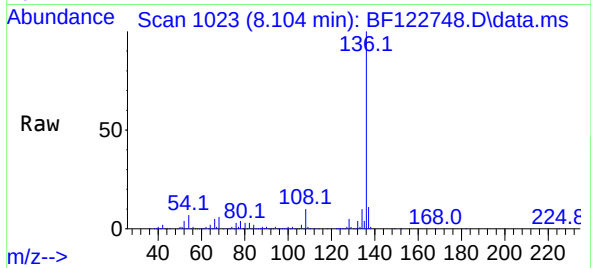


Tgt Ion: 107 Resp: 551584  
Ion Ratio Lower Upper  
107 100  
108 90.5 68.7 108.7  
77 111.2 89.8 129.8  
79 30.4 9.8 49.8

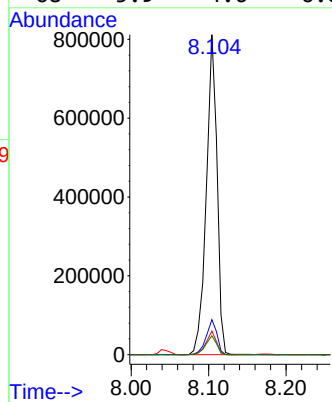




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.104 min Scan# 1023  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



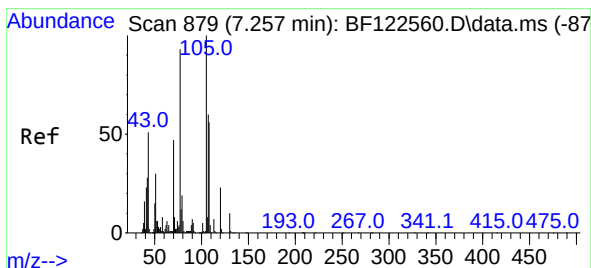
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 779945 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.8   | 13.2   |
| 54       | 7.4   | 5.5   | 8.3    |
| 68       | 5.9   | 4.6   | 6.8    |



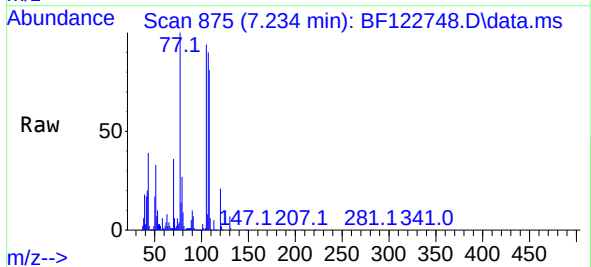
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

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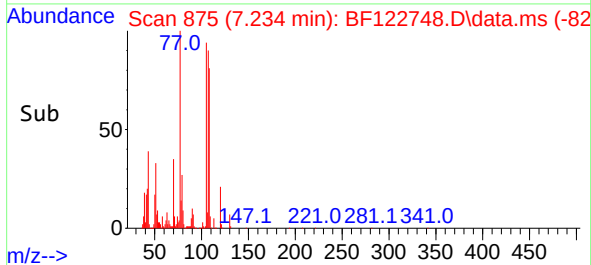
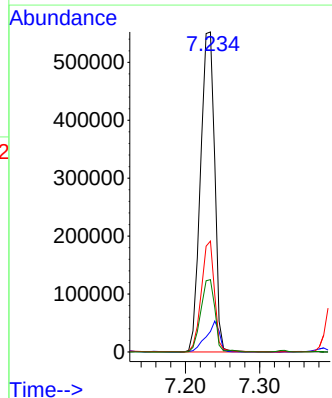
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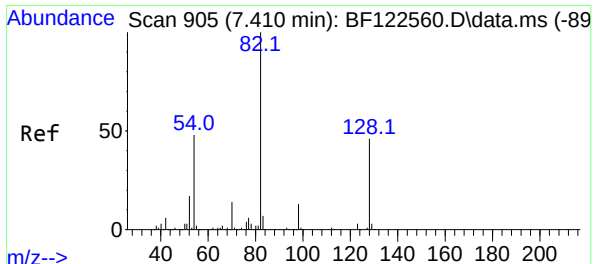


#22  
Acetophenone  
Concen: 37.76 ng  
RT: 7.234 min Scan# 875  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 732332 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 6.4   | 6.5   | 9.7#   |
| 51       | 34.7  | 24.3  | 36.5   |
| 120      | 22.6  | 18.1  | 27.1   |





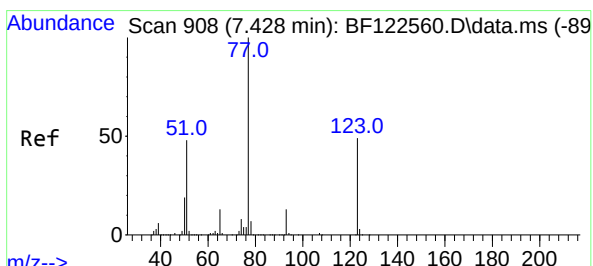
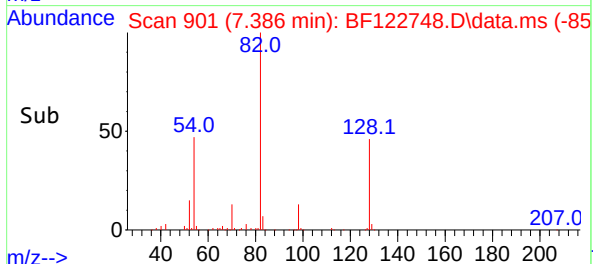
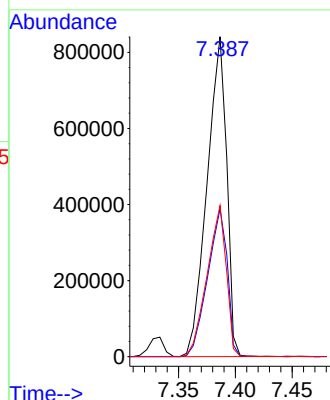
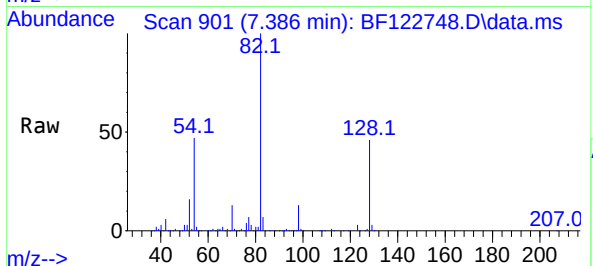
#23  
Nitrobenzene-d5  
Concen: 64.74 ng  
RT: 7.386 min Scan# 901  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 82 Resp: 1007818  
Ion Ratio Lower Upper  
82 100  
128 46.3 37.0 55.4  
54 47.3 38.4 57.6

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

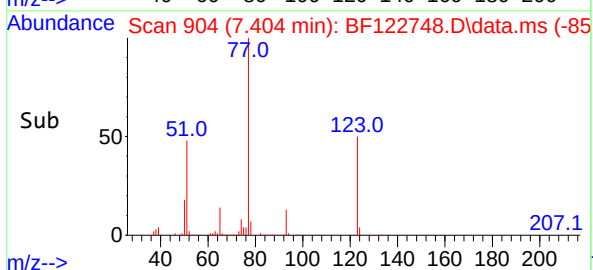
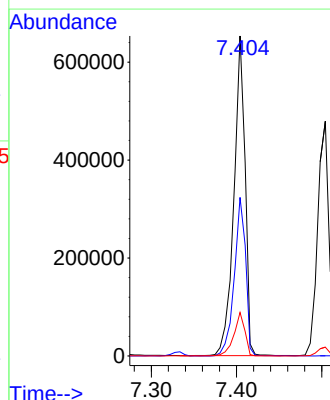
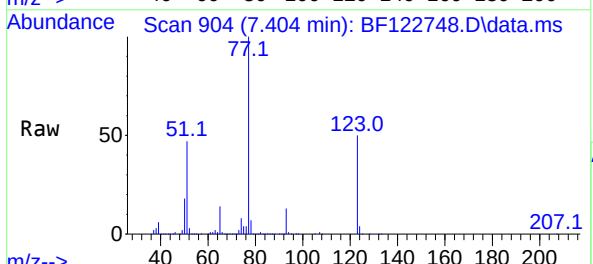
Manual Integrations  
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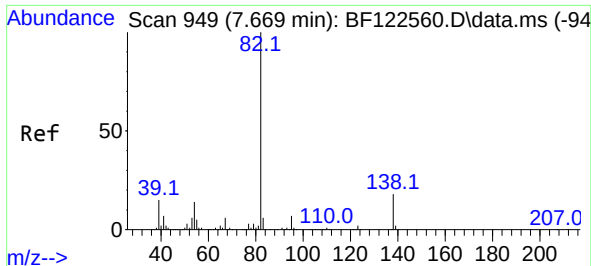
mohammad  
12/17/2020 11:38:15 AM



#24  
Nitrobenzene  
Concen: 38.47 ng  
RT: 7.404 min Scan# 904  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

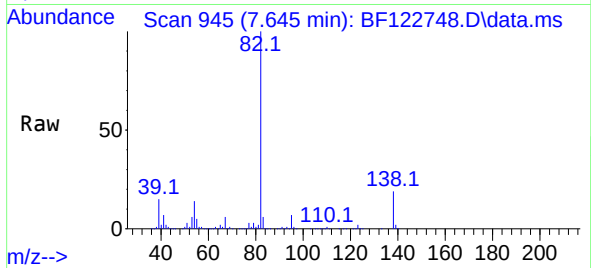
Tgt Ion: 77 Resp: 595783  
Ion Ratio Lower Upper  
77 100  
123 49.6 39.3 58.9  
65 13.6 10.6 15.8





#25  
Isophorone  
Concen: 41.59 ng  
RT: 7.645 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

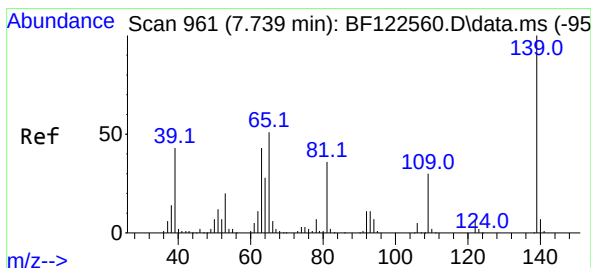
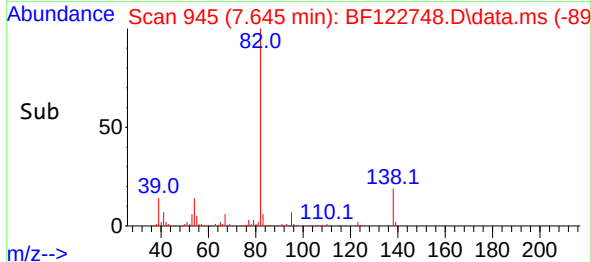
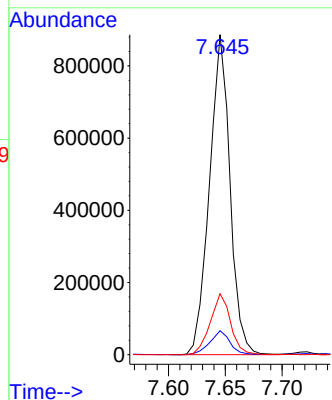
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



Tgt Ion: 82 Resp: 1115034  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.8 8.6  
138 19.1 14.6 21.8

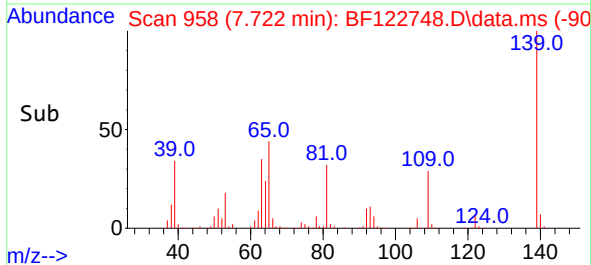
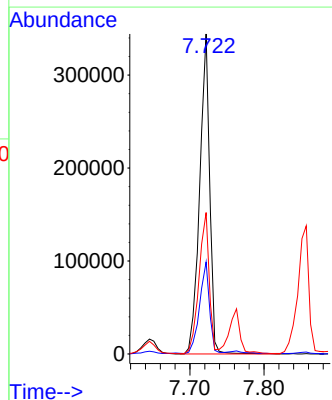
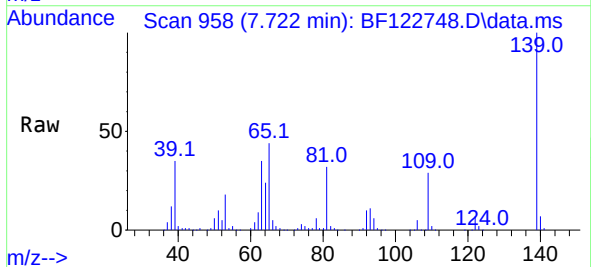
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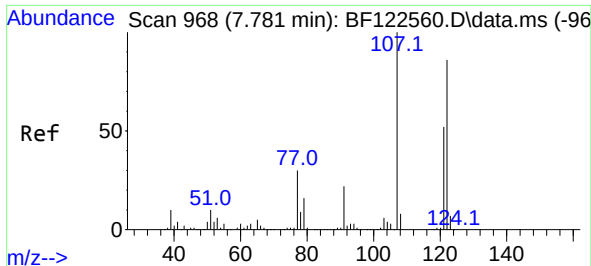


#26  
2-Nitrophenol  
Concen: 42.79 ng  
RT: 7.722 min Scan# 958  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:139 Resp: 323201  
Ion Ratio Lower Upper  
139 100  
109 28.7 24.0 36.0  
65 44.2 40.9 61.3







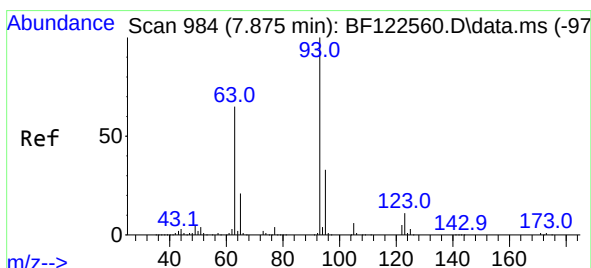
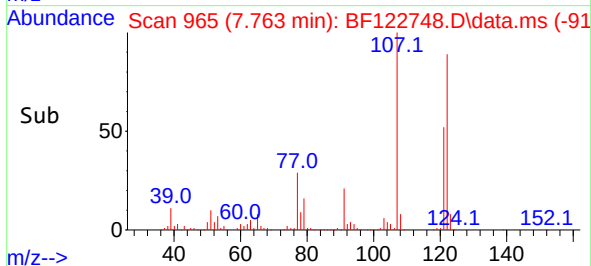
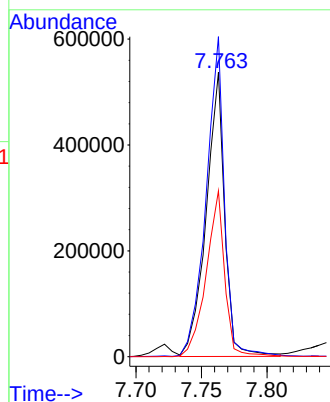
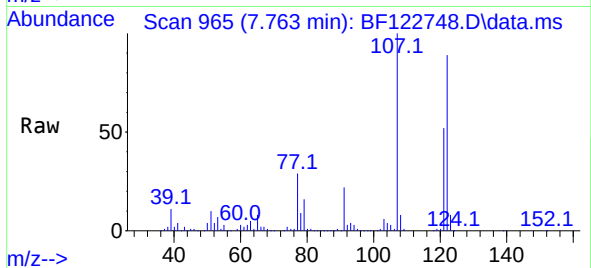
#27  
2,4-Dimethylphenol  
Concen: 47.92 ng  
RT: 7.763 min Scan# 965  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:122 Resp: 530498  
Ion Ratio Lower Upper  
122 100  
107 112.6 91.8 137.8  
121 58.3 47.3 70.9

Instrument :  
BNA\_F  
ClientSampleId :  
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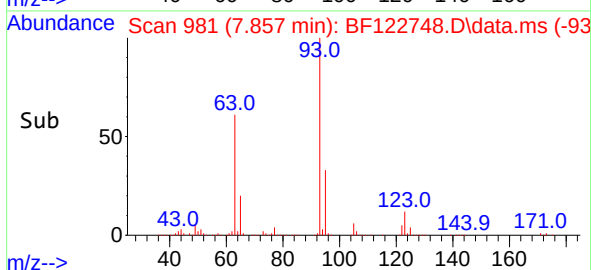
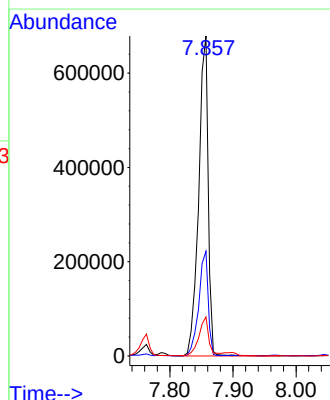
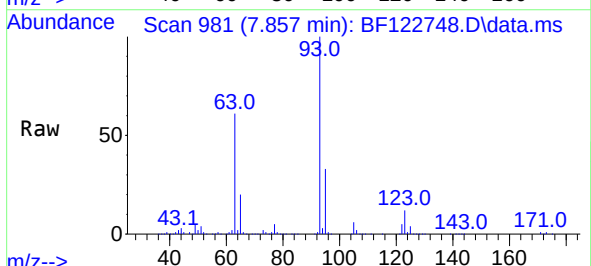
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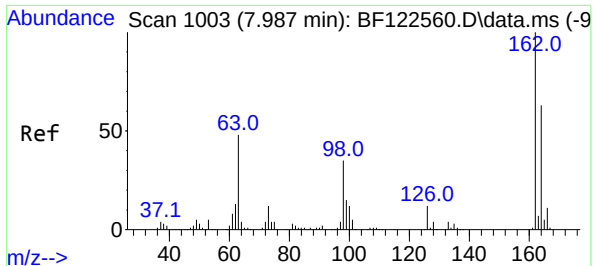
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#28  
bis(2-Chloroethoxy)methane  
Concen: 38.49 ng  
RT: 7.857 min Scan# 981  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

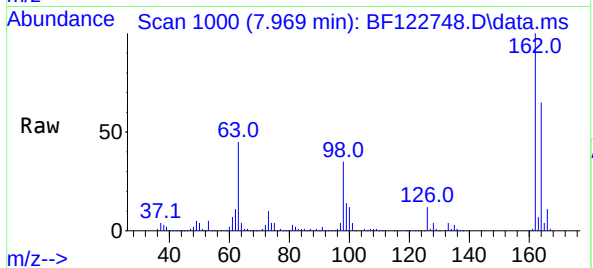
Tgt Ion: 93 Resp: 706726  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.2 39.2  
123 12.2 9.2 13.8





#29  
2,4-Dichlorophenol  
Concen: 39.82 ng  
RT: 7.969 min Scan# 1000  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

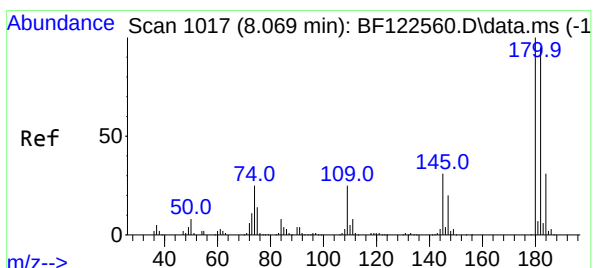
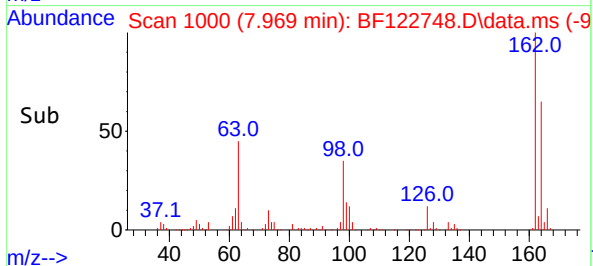
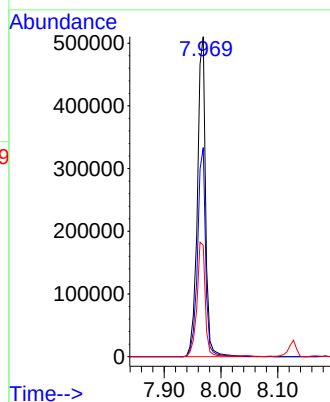
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:162 Resp: 514743  
Ion Ratio Lower Upper  
162 100  
164 65.3 43.2 83.2  
98 34.8 15.2 55.2

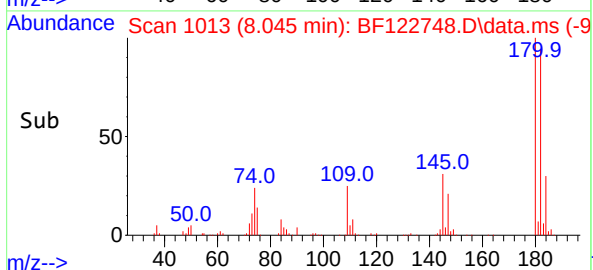
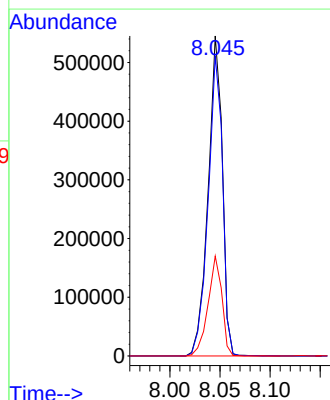
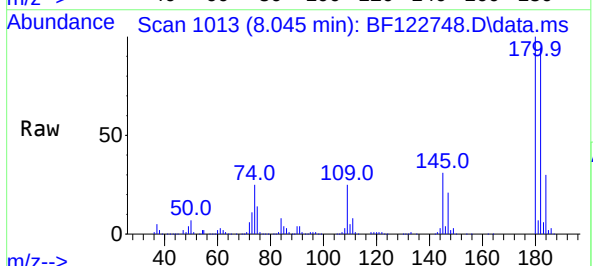
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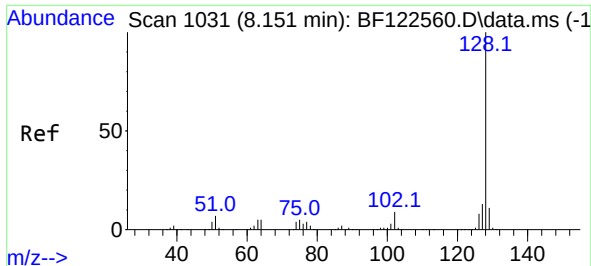
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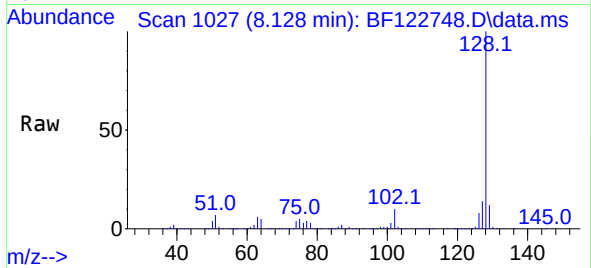
#30  
1,2,4-Trichlorobenzene  
Concen: 36.96 ng  
RT: 8.045 min Scan# 1013  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:180 Resp: 541381  
Ion Ratio Lower Upper  
180 100  
182 93.9 75.7 113.5  
145 31.2 25.0 37.4

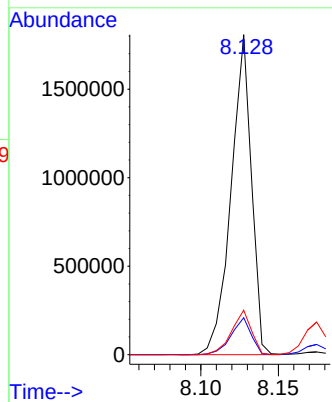
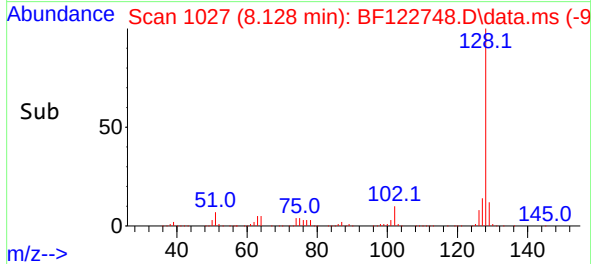




#31  
Naphthalene  
Concen: 38.36 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



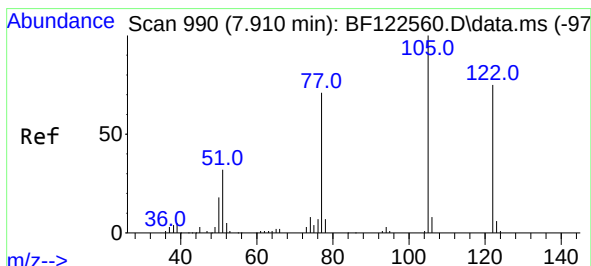
Tgt Ion:128 Resp: 1650975  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.9 10.7 16.1



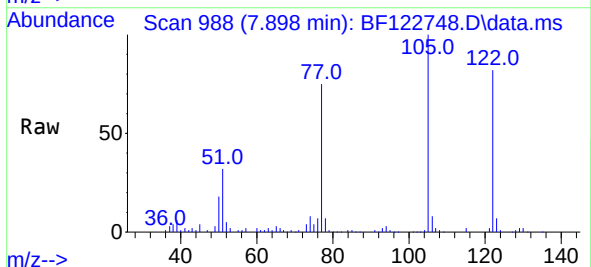
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

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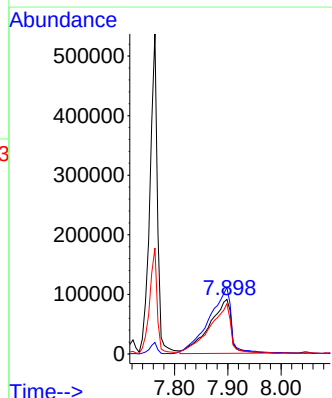
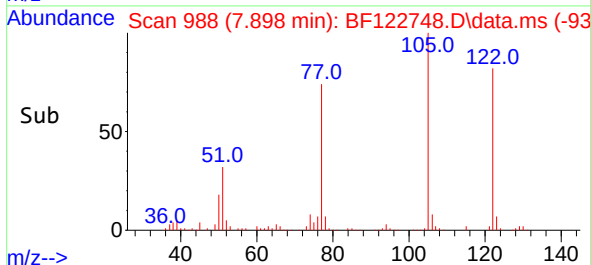
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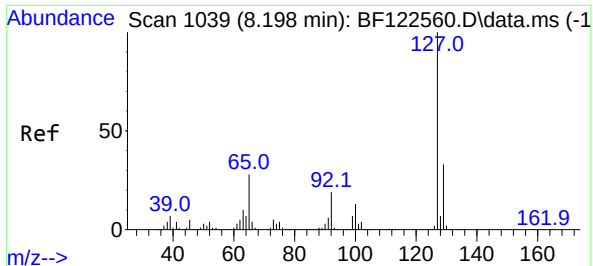


#32  
Benzoic acid  
Concen: 30.09 ng  
RT: 7.898 min Scan# 988  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:122 Resp: 265428  
Ion Ratio Lower Upper  
122 100  
105 121.9 104.8 144.8  
77 92.0 71.0 111.0





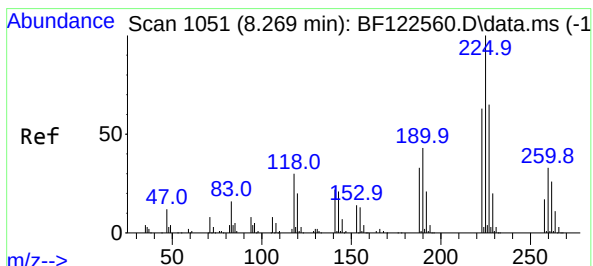
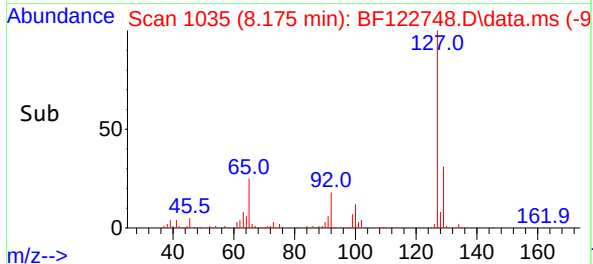
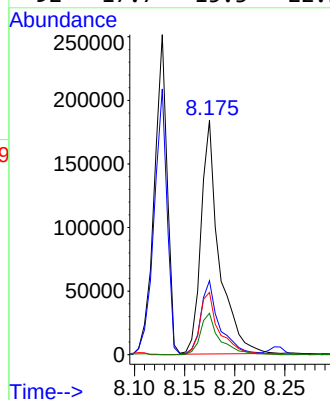
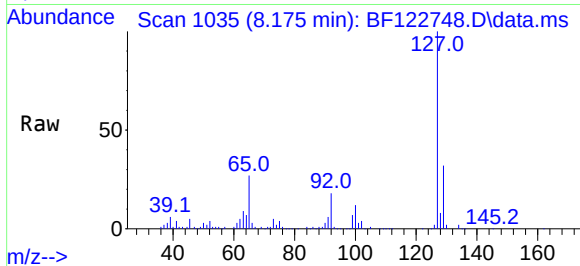
#33  
4-Chloroaniline  
Concen: 12.83 ng  
RT: 8.175 min Scan# 1035  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 127   | Resp: | 230888 |
| Ion Ratio | Lower | Upper |        |
| 127       | 100   |       |        |
| 129       | 31.5  | 26.2  | 39.2   |
| 65        | 26.6  | 22.2  | 33.2   |
| 92        | 17.7  | 15.3  | 22.9   |

Instrument :  
BNA\_F  
ClientSampleId :  
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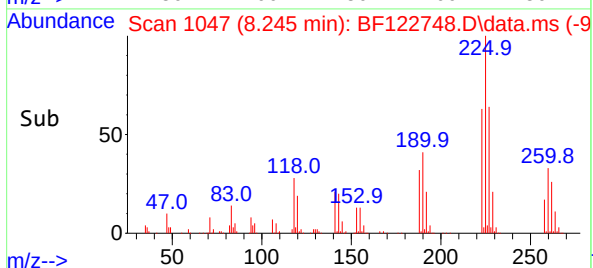
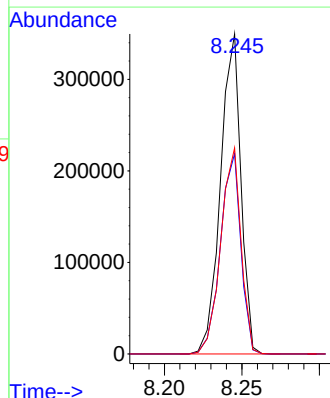
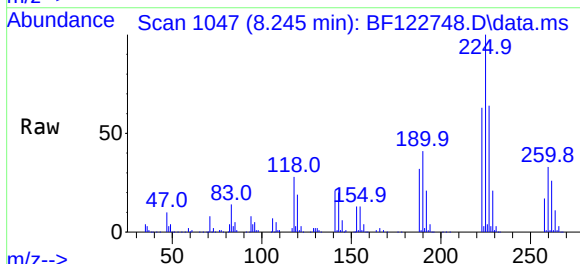
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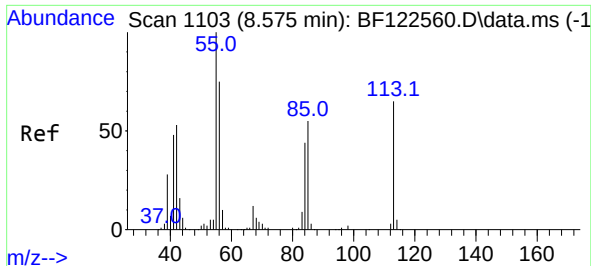
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#34  
Hexachlorobutadiene  
Concen: 35.45 ng  
RT: 8.245 min Scan# 1047  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 319565 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.6  | 50.7  | 76.1   |
| 227       | 64.4  | 51.7  | 77.5   |





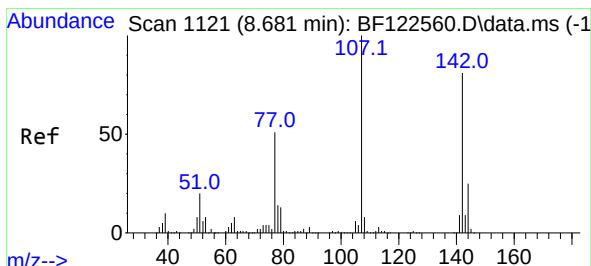
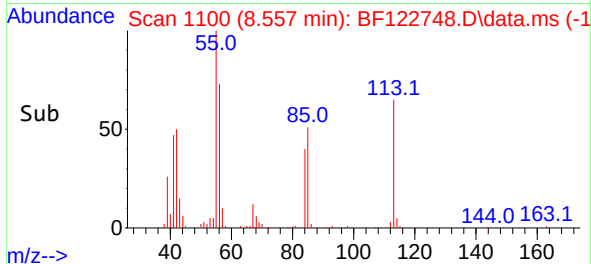
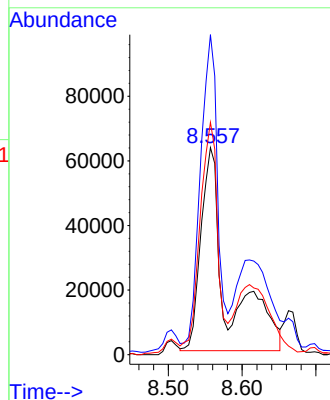
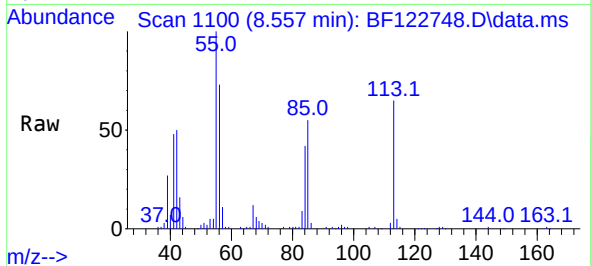
#35  
Caprolactam  
Concen: 40.23 ng m  
RT: 8.557 min Scan# 1100  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:113 Resp: 156632  
Ion Ratio Lower Upper  
113 100  
55 154.6 133.7 173.7  
56 112.2 95.3 135.3

Instrument :  
BNA\_F  
ClientSampleId :  
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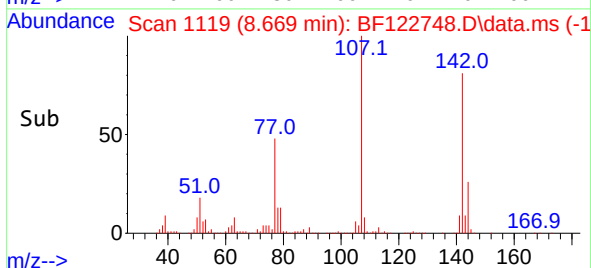
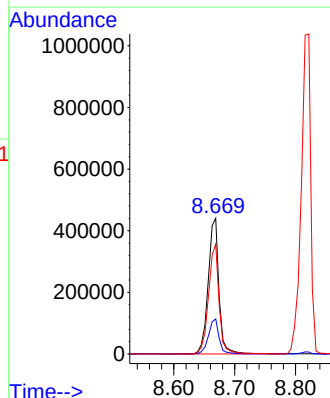
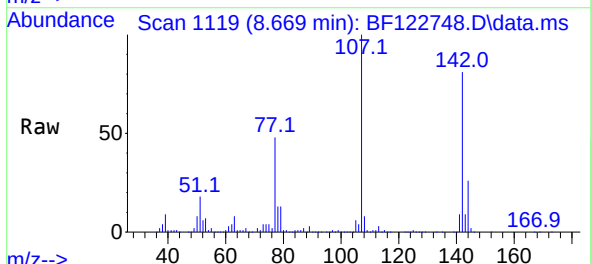
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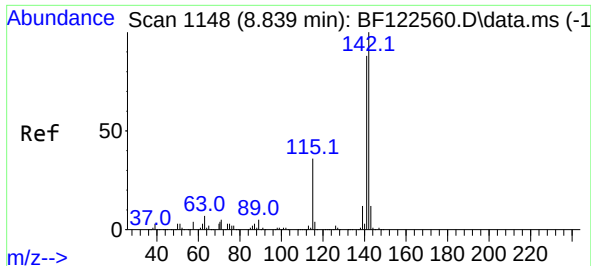
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#36  
4-Chloro-3-methylphenol  
Concen: 42.58 ng  
RT: 8.669 min Scan# 1119  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:107 Resp: 542289  
Ion Ratio Lower Upper  
107 100  
144 25.9 20.2 30.2  
142 80.9 64.4 96.6





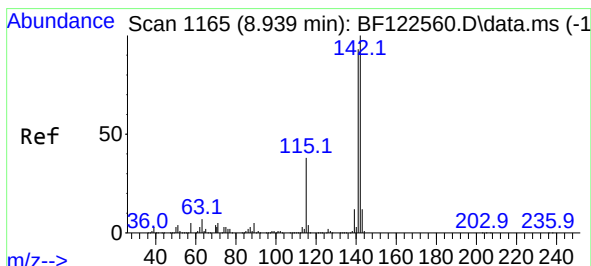
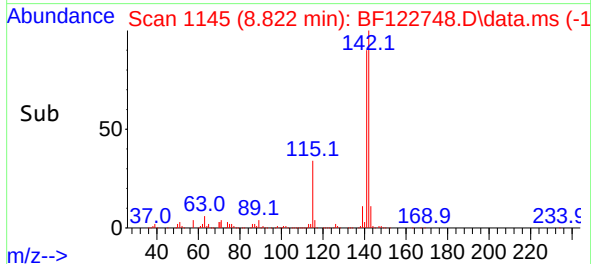
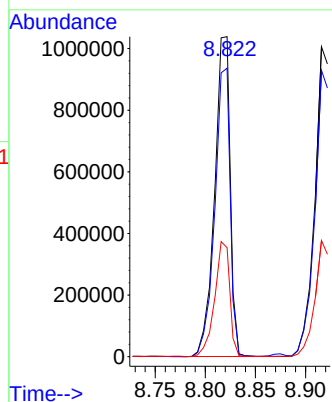
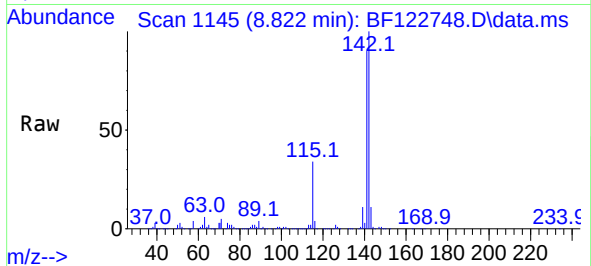
#37  
2-Methylnaphthalene  
Concen: 39.52 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:142 Resp: 1125183  
Ion Ratio Lower Upper  
142 100  
141 90.1 70.6 106.0  
115 34.0 28.7 43.1

Instrument :  
BNA\_F  
ClientSampleId :  
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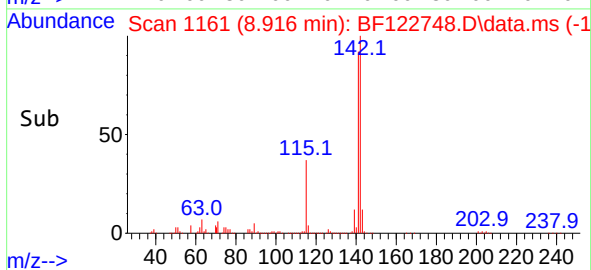
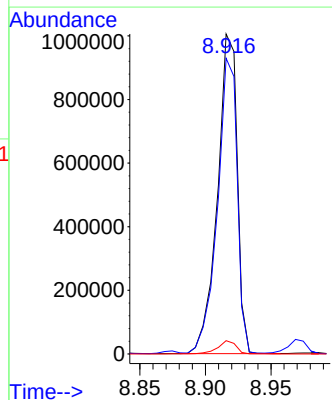
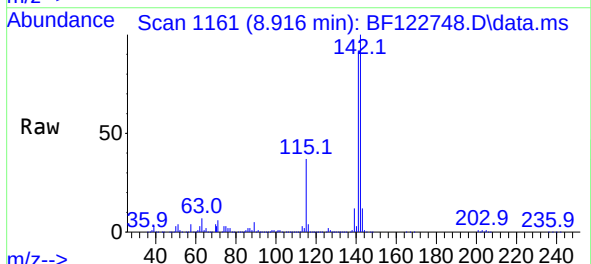
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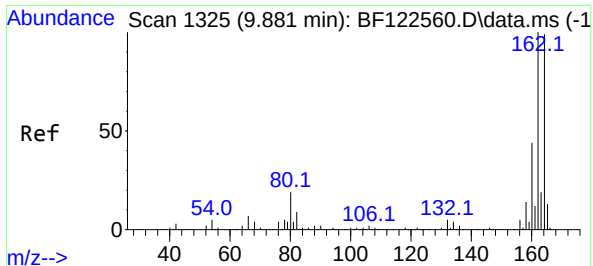
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#38  
1-Methylnaphthalene  
Concen: 39.14 ng  
RT: 8.916 min Scan# 1161  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:142 Resp: 1054069  
Ion Ratio Lower Upper  
142 100  
141 92.4 74.5 111.7  
116 4.2 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.863 min Scan# 1322

Delta R.T. -0.000 min

Lab File: BF122748.D

Acq: 16 Dec 2020 14:08

Tgt Ion:164 Resp: 425742

Ion Ratio Lower Upper

164 100

162 102.3 80.8 121.2

160 44.8 35.4 53.0

Instrument :

BNA\_F

ClientSampleId :

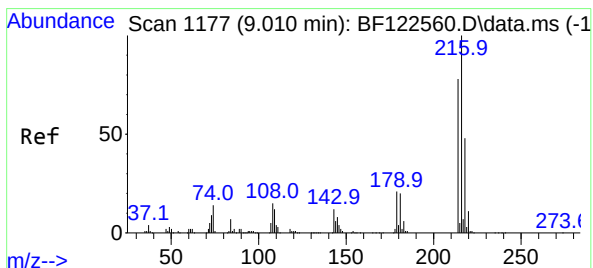
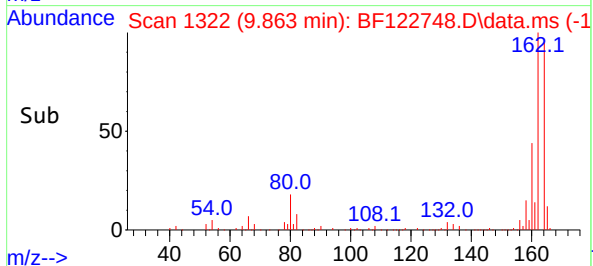
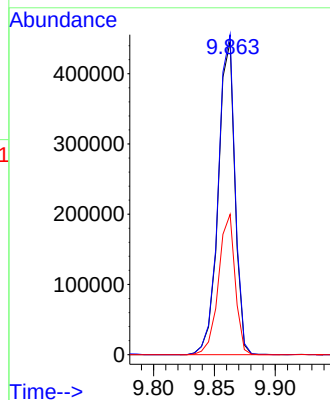
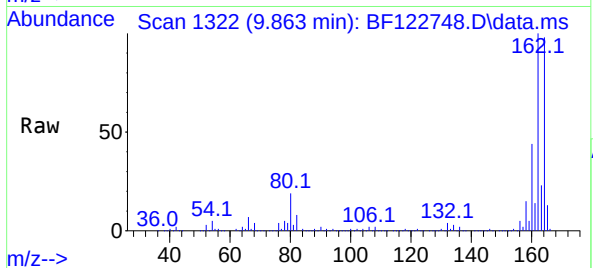
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.51 ng

RT: 8.986 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BF122748.D

Acq: 16 Dec 2020 14:08

Tgt Ion:216 Resp: 528933

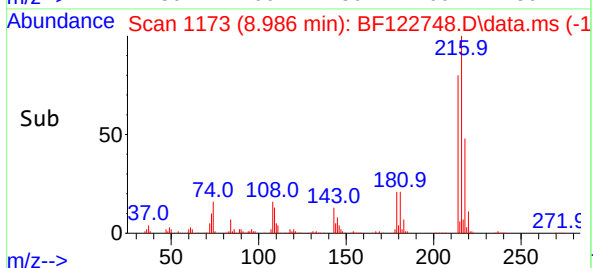
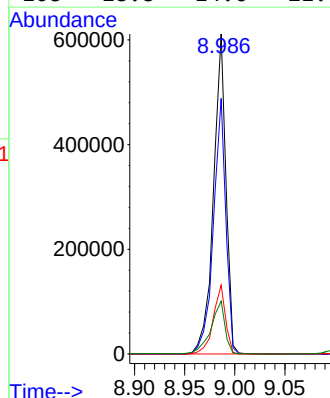
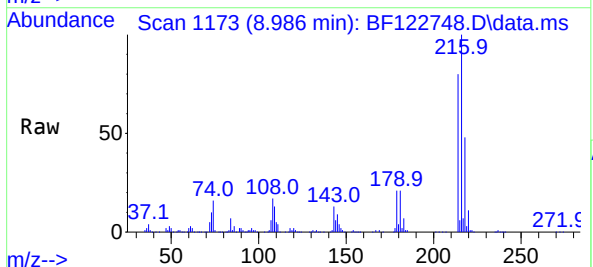
Ion Ratio Lower Upper

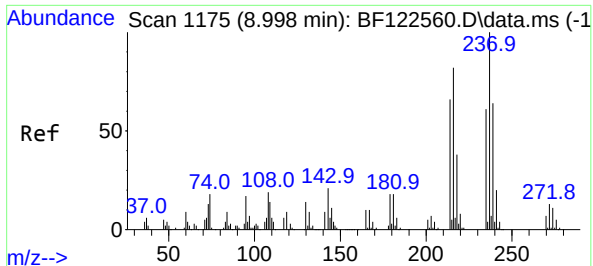
216 100

214 79.4 63.1 94.7

179 21.2 17.1 25.7

108 18.8 14.6 21.8





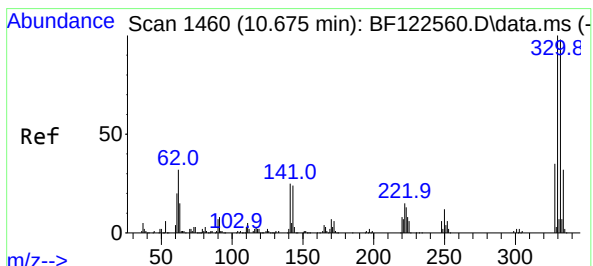
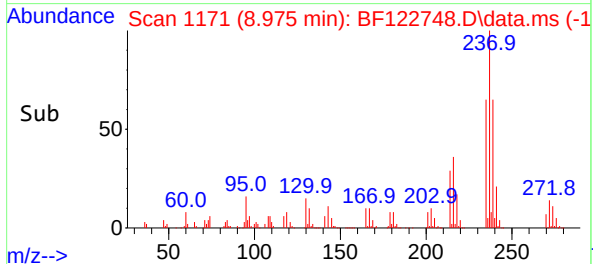
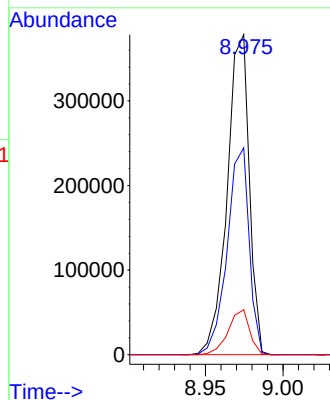
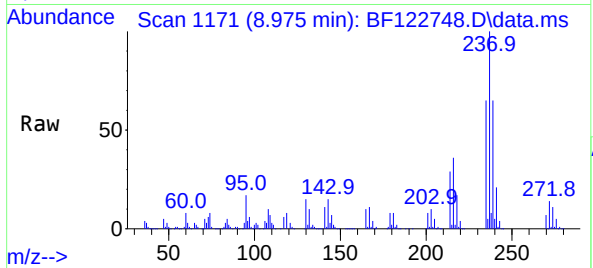
#41  
Hexachlorocyclopentadiene  
Concen: 60.42 ng  
RT: 8.975 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:237 Resp: 376741  
Ion Ratio Lower Upper  
237 100  
235 64.7 40.9 80.9  
272 14.1 0.0 33.4

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

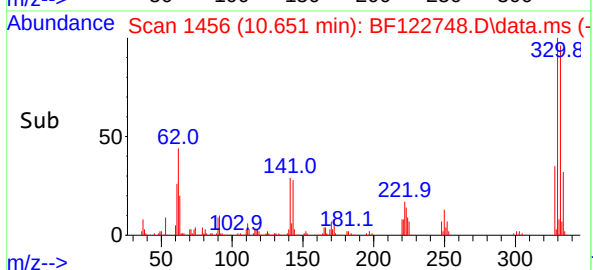
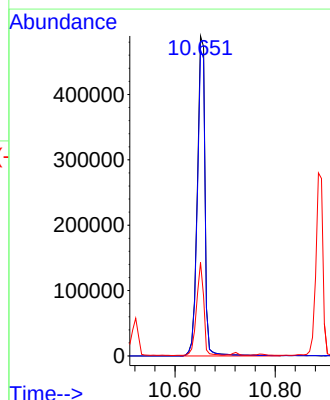
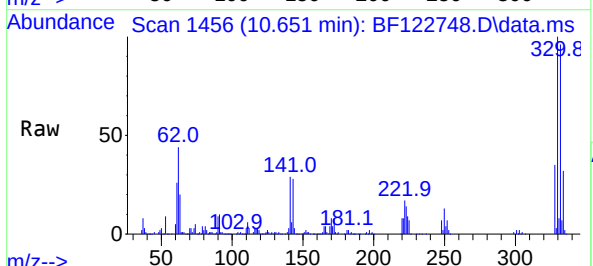
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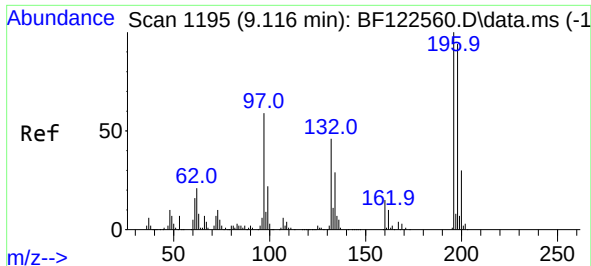


#42  
2,4,6-Tribromophenol  
Concen: 93.55 ng  
RT: 10.651 min Scan# 1456  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:330 Resp: 521312  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.5 116.3  
141 27.1 23.8 35.8







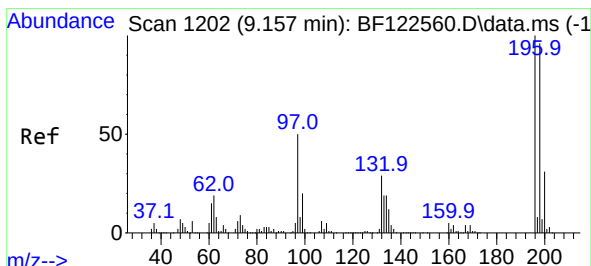
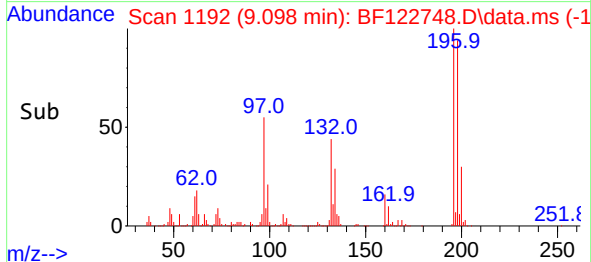
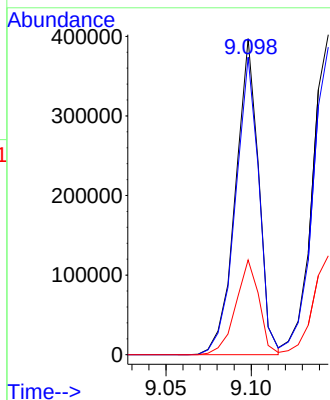
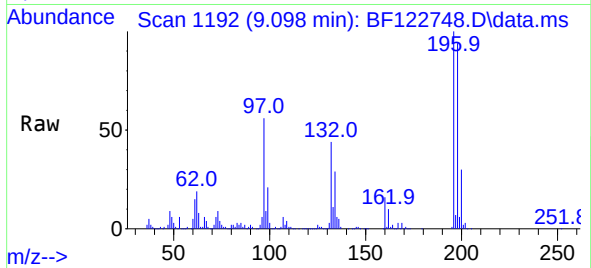
#43  
2,4,6-Trichlorophenol  
Concen: 38.33 ng  
RT: 9.098 min Scan# 1192  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:196 Resp: 373292  
Ion Ratio Lower Upper  
196 100  
198 94.1 75.1 112.7  
200 30.0 23.7 35.5

Instrument :  
BNA\_F  
ClientSampled :  
CHRT-20057MSD

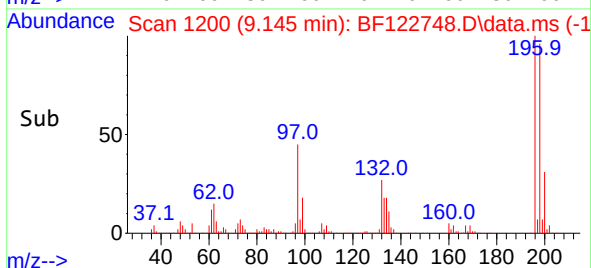
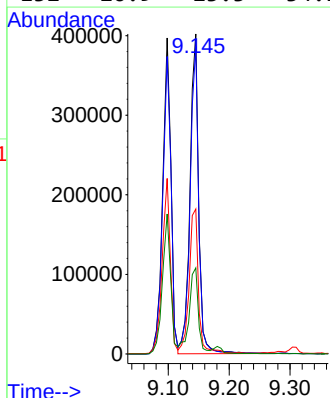
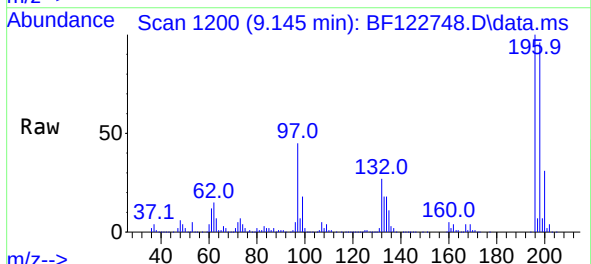
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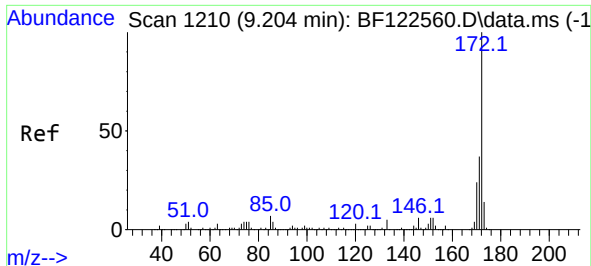
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#44  
2,4,5-Trichlorophenol  
Concen: 39.99 ng  
RT: 9.145 min Scan# 1200  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

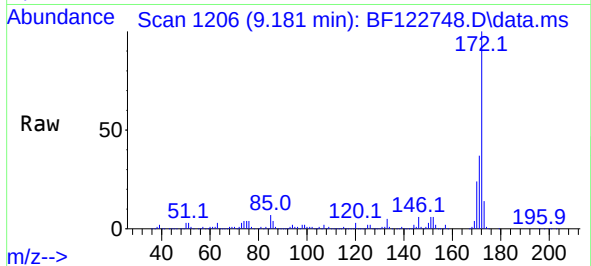
Tgt Ion:196 Resp: 402600  
Ion Ratio Lower Upper  
196 100  
198 96.1 76.5 114.7  
97 45.3 40.1 60.1  
132 26.9 23.3 34.9





#45  
2-Fluorobiphenyl  
Concen: 57.88 ng  
RT: 9.181 min Scan# 1206  
Delta R.T. -0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

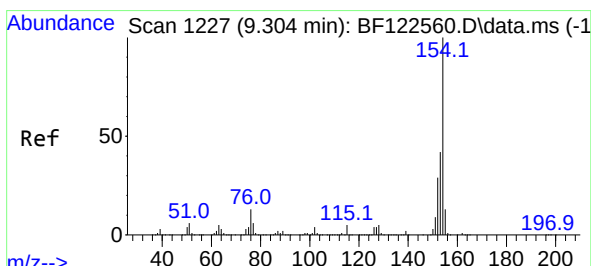
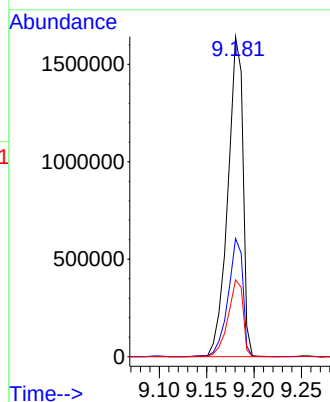
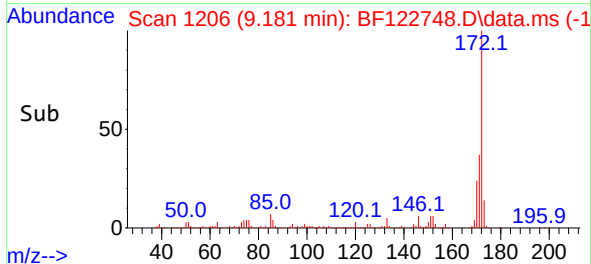
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



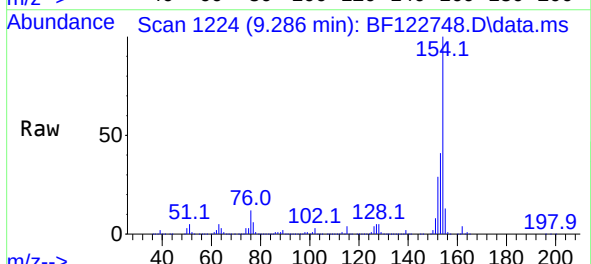
Tgt Ion:172 Resp: 1821777  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.6 44.4  
170 24.0 19.5 29.3

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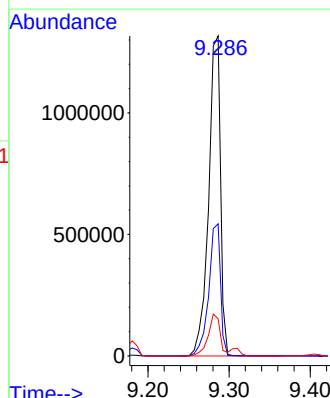
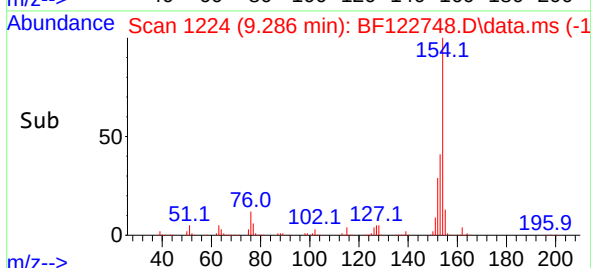
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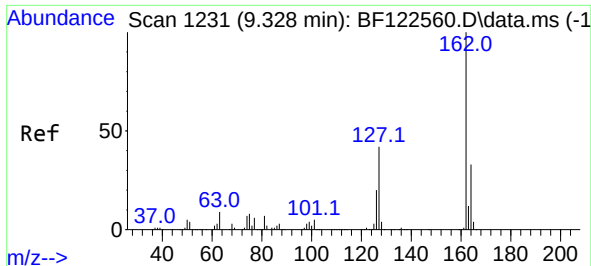


#46  
1,1'-Biphenyl  
Concen: 37.88 ng  
RT: 9.286 min Scan# 1224  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:154 Resp: 1338401  
Ion Ratio Lower Upper  
154 100  
153 41.3 21.8 61.8  
76 11.6 0.0 33.4





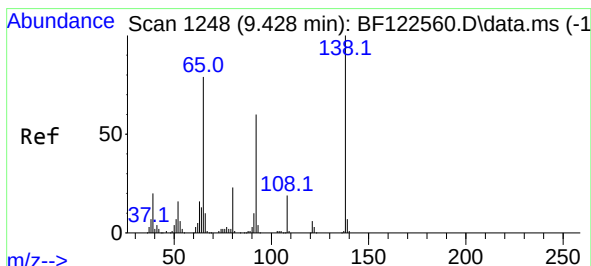
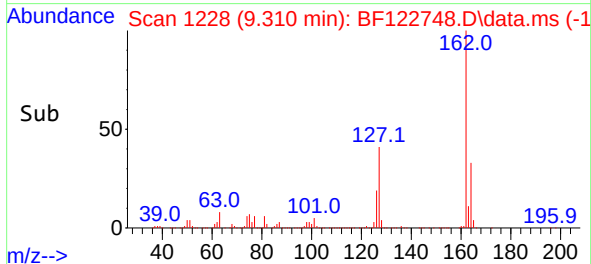
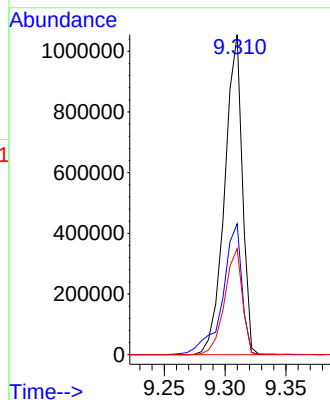
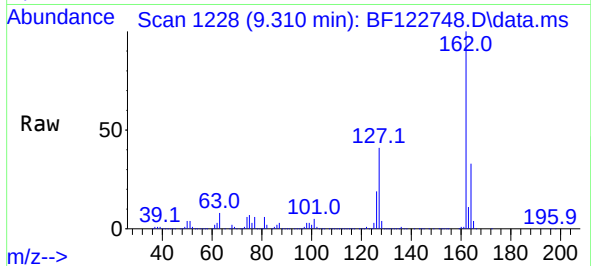
#47  
2-Chloronaphthalene  
Concen: 36.46 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:162 Resp: 1067225  
Ion Ratio Lower Upper  
162 100  
127 40.9 33.8 50.8  
164 33.1 26.5 39.7

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

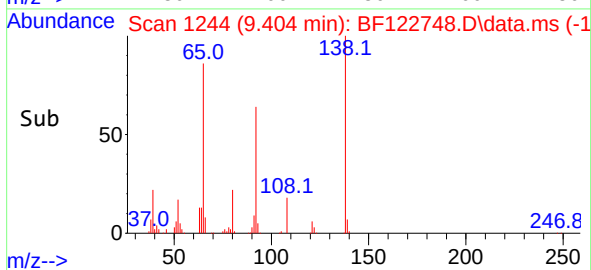
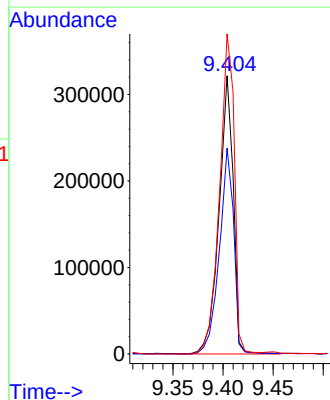
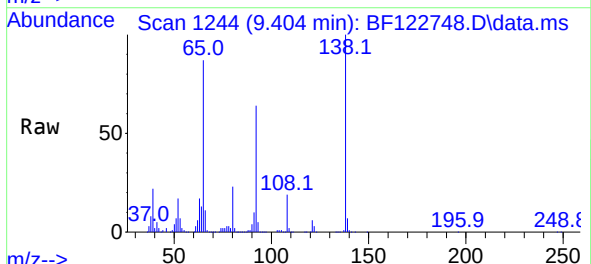
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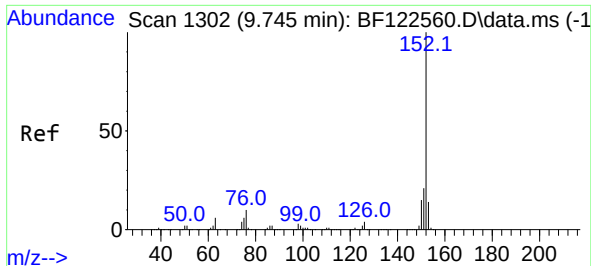
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#48  
2-Nitroaniline  
Concen: 37.14 ng  
RT: 9.404 min Scan# 1244  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

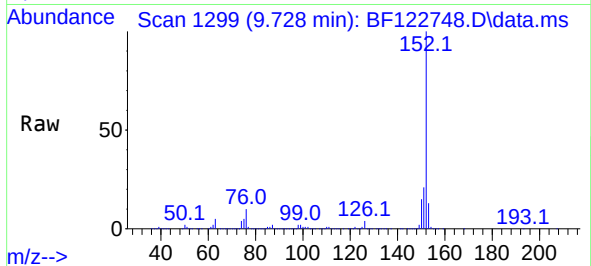
Tgt Ion: 65 Resp: 316970  
Ion Ratio Lower Upper  
65 100  
92 74.0 60.0 90.0  
138 115.0 100.6 151.0





#49  
Acenaphthylene  
Concen: 37.79 ng  
RT: 9.728 min Scan# 1299  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

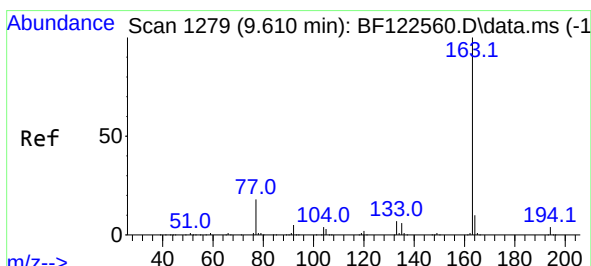
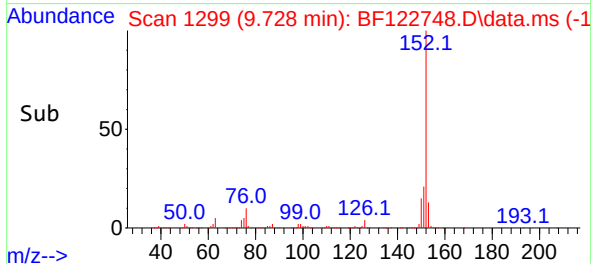
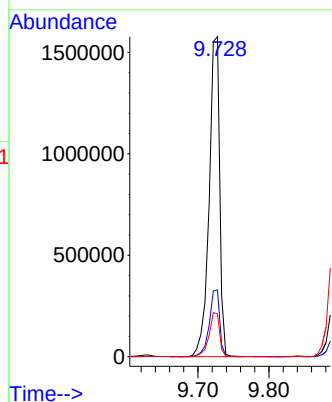
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



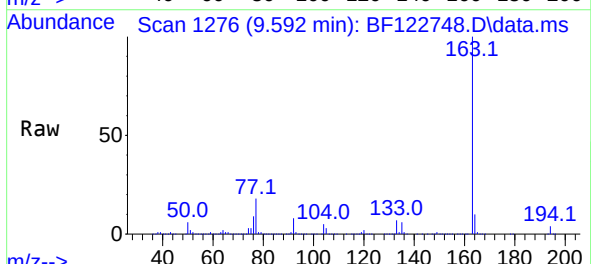
Tgt Ion:152 Resp: 1633833  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.6 25.0  
153 13.4 10.9 16.3

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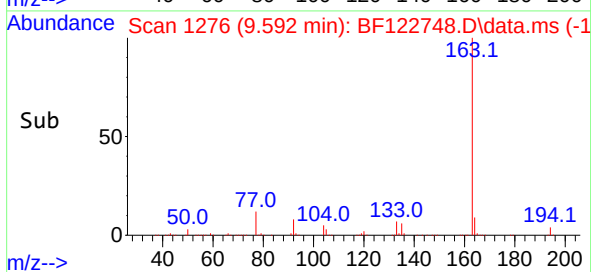
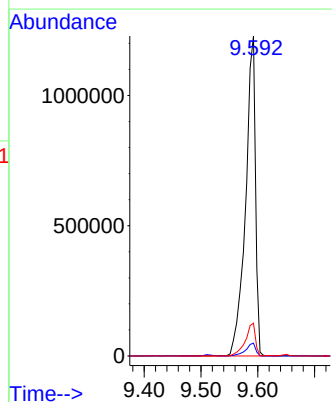
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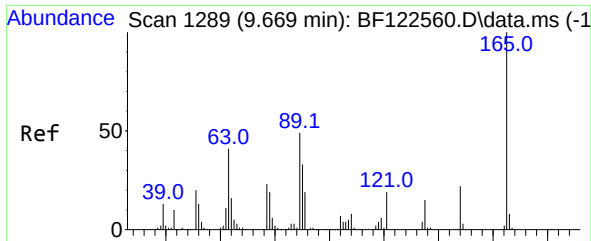


#50  
Dimethylphthalate  
Concen: 43.68 ng  
RT: 9.592 min Scan# 1276  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

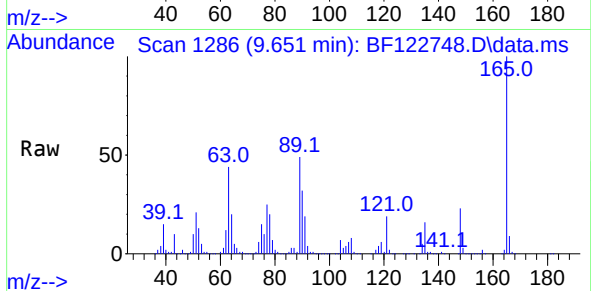


Tgt Ion:163 Resp: 1485127  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.4 5.0  
164 10.3 8.1 12.1

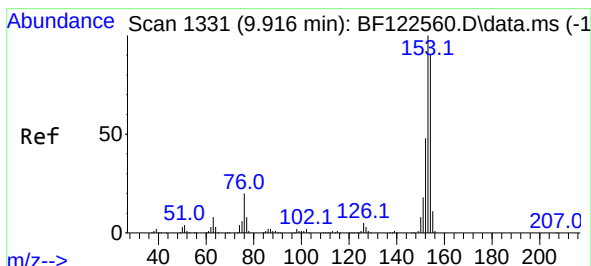
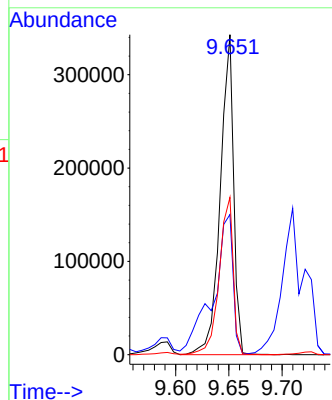
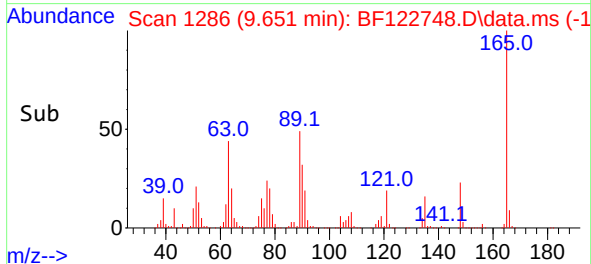




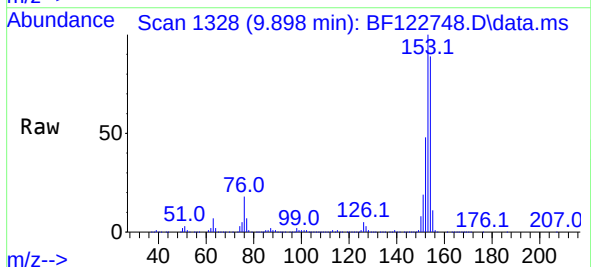
#51  
2,6-Dinitrotoluene  
Concen: 41.56 ng  
RT: 9.651 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



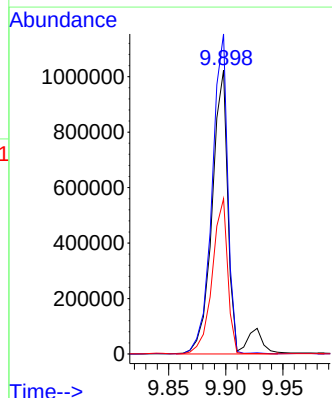
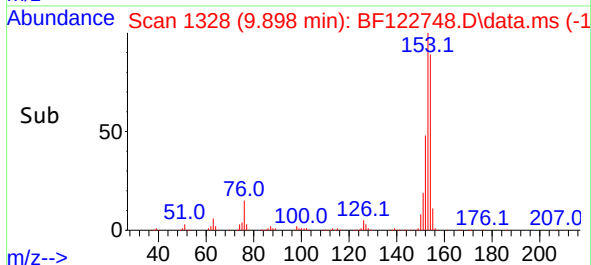
Tgt Ion:165 Resp: 298458  
Ion Ratio Lower Upper  
165 100  
63 43.8 36.6 55.0  
89 49.1 39.4 59.0



#52  
Acenaphthene  
Concen: 37.79 ng m  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



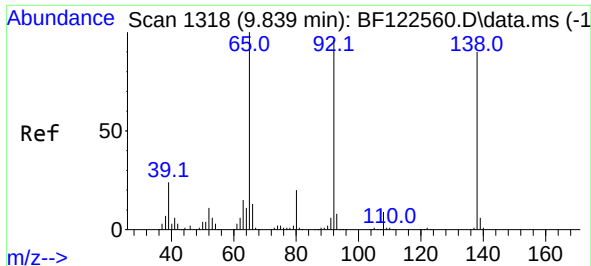
Tgt Ion:154 Resp: 1057311  
Ion Ratio Lower Upper  
154 100  
153 112.7 89.0 133.6  
152 54.6 42.7 64.1



Instrument :  
BNA\_F  
ClientSampleId :  
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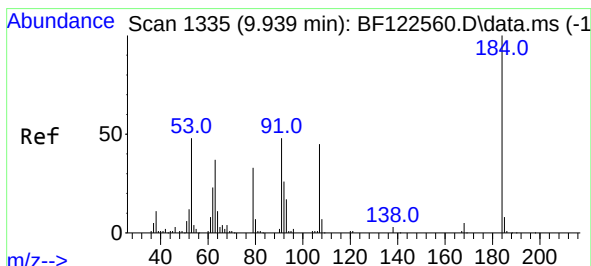
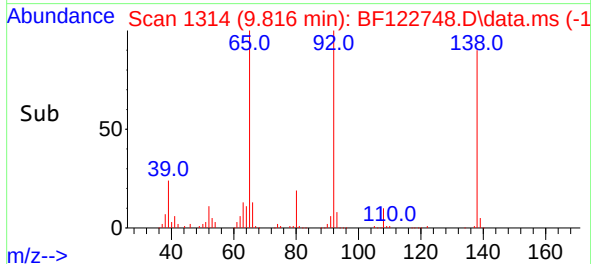
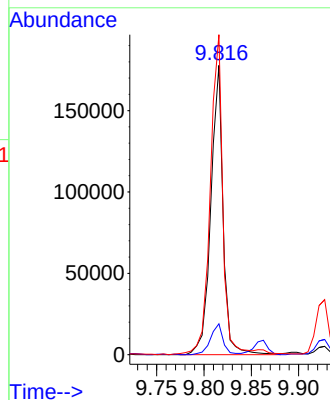
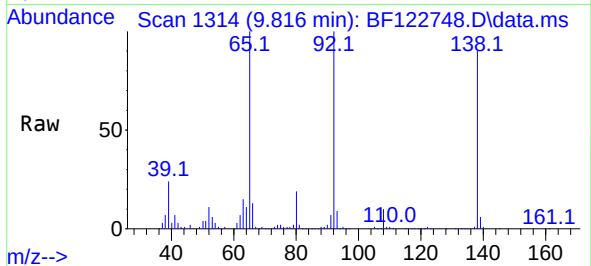
#53  
3-Nitroaniline  
Concen: 19.30 ng  
RT: 9.816 min Scan# 1314  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:138 Resp: 160137  
Ion Ratio Lower Upper  
138 100  
108 10.7 8.2 12.2  
92 110.6 85.4 128.2

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

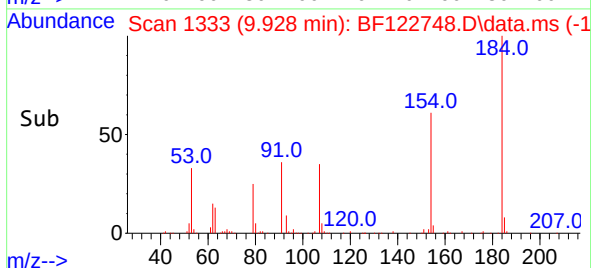
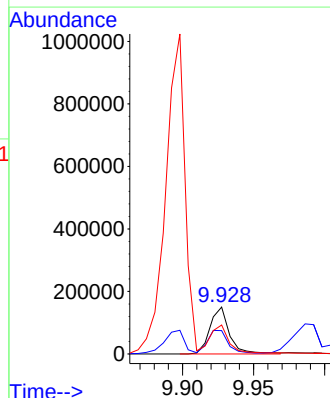
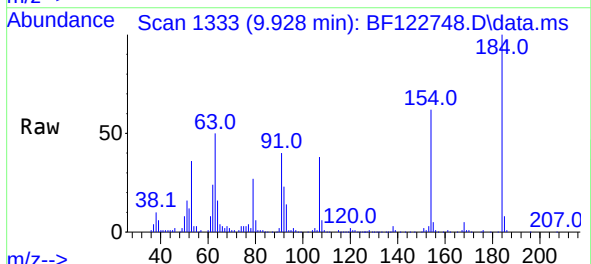
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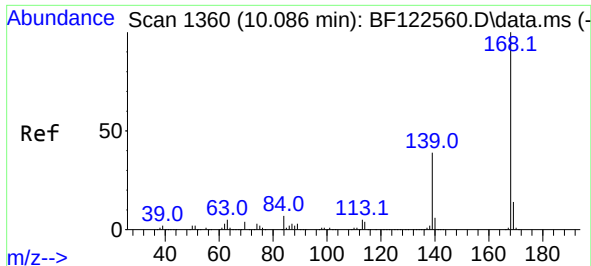
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#54  
2,4-Dinitrophenol  
Concen: 40.85 ng  
RT: 9.928 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

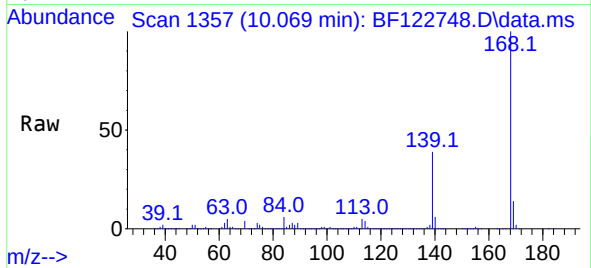
Tgt Ion:184 Resp: 143433  
Ion Ratio Lower Upper  
184 100  
63 49.9 51.4 77.2#  
154 61.7 49.7 74.5





#55  
Dibenzenofuran  
Concen: 37.42 ng  
RT: 10.069 min Scan# 1357  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

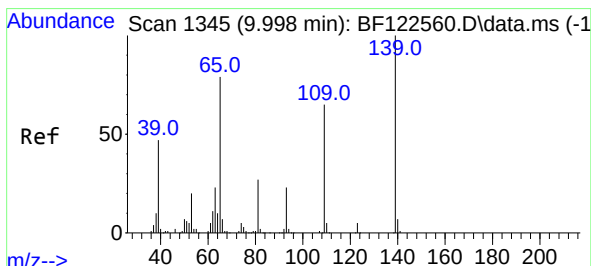
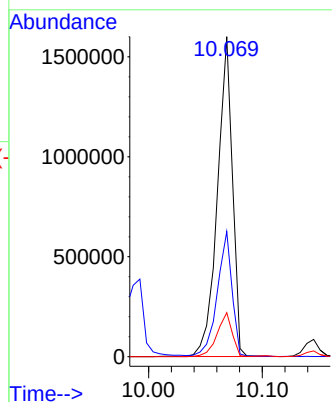


Tgt Ion:168 Resp: 1472440

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 39.1  | 31.3  | 46.9  |
| 169 | 13.8  | 11.2  | 16.8  |

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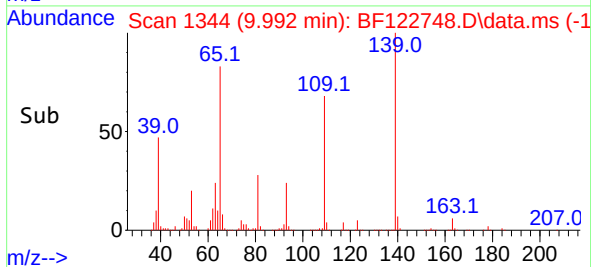
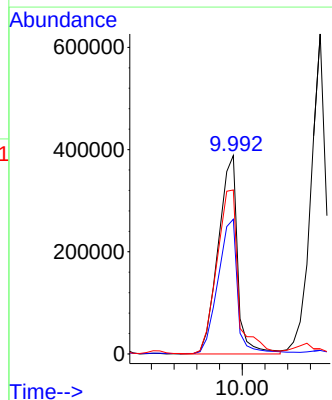
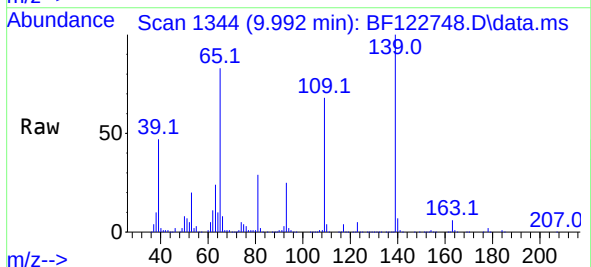
mohammad  
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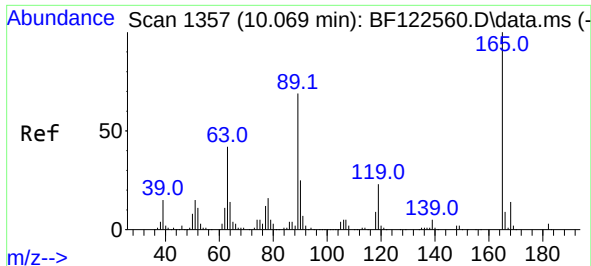


#56  
4-Nitrophenol  
Concen: 78.00 ng  
RT: 9.992 min Scan# 1344  
Delta R.T. 0.017 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:139 Resp: 461524

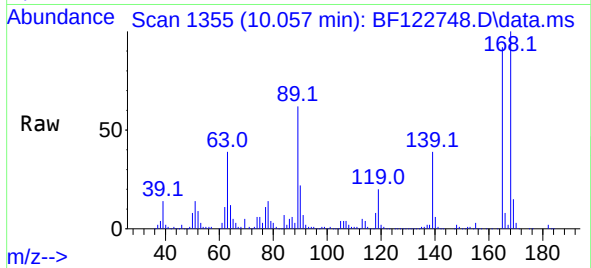
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 67.9  | 45.1  | 85.1  |
| 65  | 82.7  | 59.2  | 99.2  |





#57  
2,4-Dinitrotoluene  
Concen: 39.22 ng  
RT: 10.057 min Scan# 1355  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

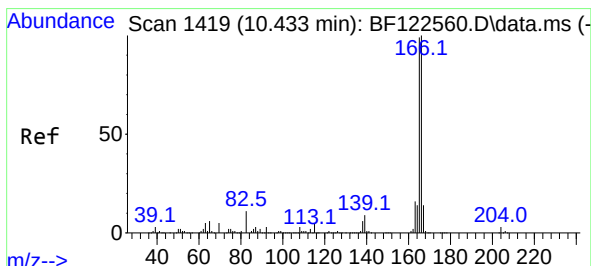
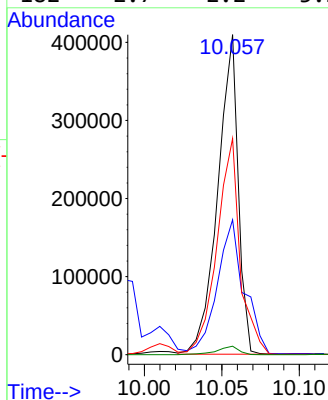
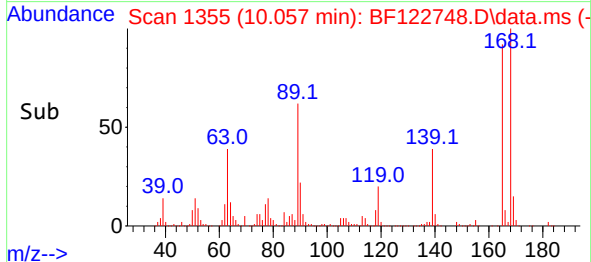
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



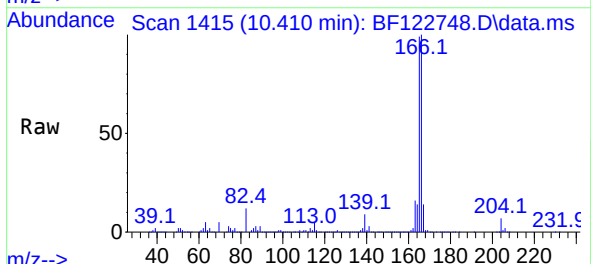
Tgt Ion:165 Resp: 375134  
Ion Ratio Lower Upper  
165 100  
63 42.2 34.3 51.5  
89 67.6 55.2 82.8  
182 2.7 2.2 3.2

Manual Integrations  
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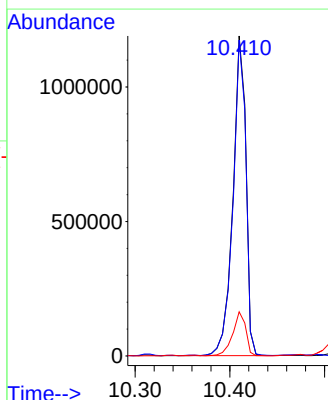
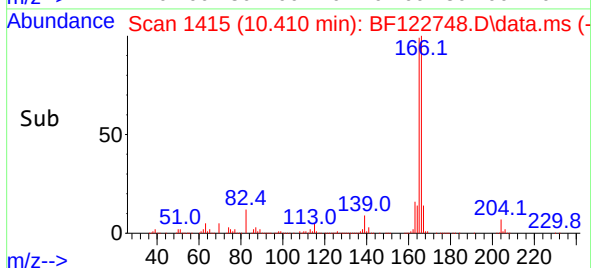
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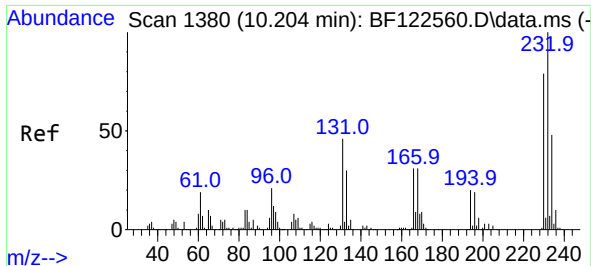
#58  
Fluorene  
Concen: 36.22 ng  
RT: 10.410 min Scan# 1415  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



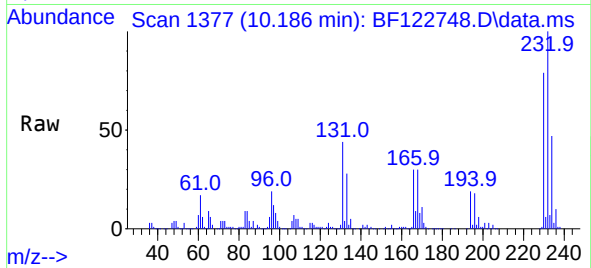
Tgt Ion:166 Resp: 1133571  
Ion Ratio Lower Upper  
166 100  
165 98.7 79.4 119.0  
167 13.8 10.9 16.3



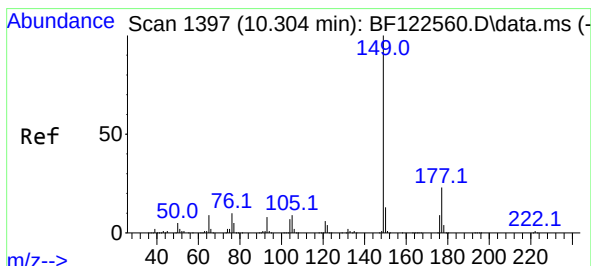
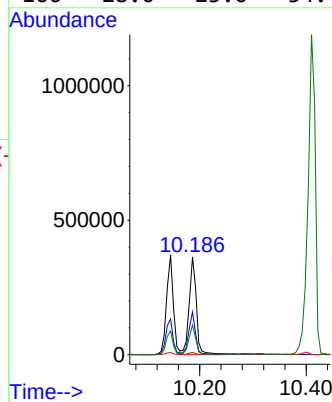
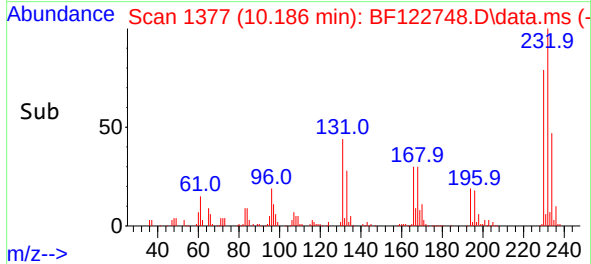




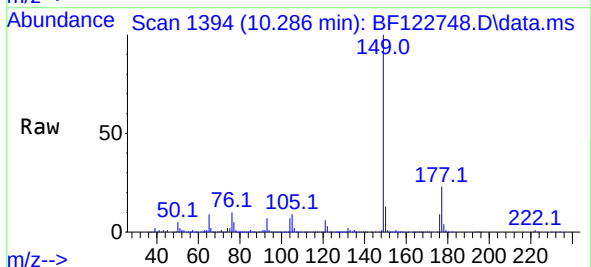
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.94 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



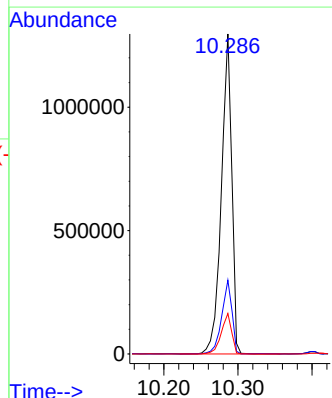
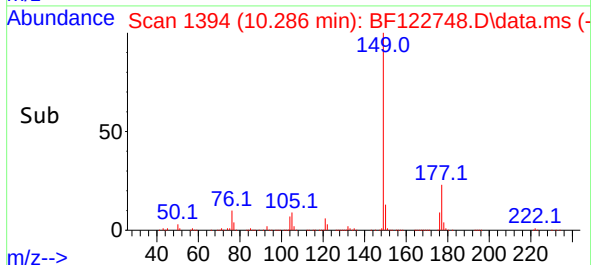
Tgt Ion:232 Resp: 344373  
Ion Ratio Lower Upper  
232 100  
131 39.9 33.0 49.4  
130 2.4 1.7 2.5  
166 28.0 23.0 34.4



#60  
Diethylphthalate  
Concen: 38.20 ng  
RT: 10.286 min Scan# 1394  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



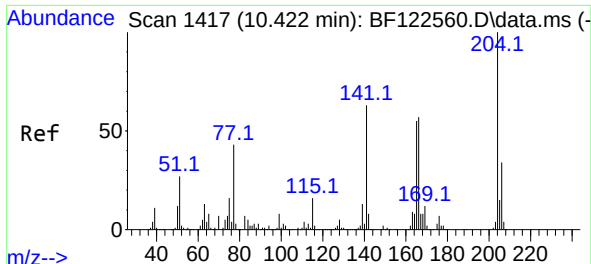
Tgt Ion:149 Resp: 1263271  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.2 27.4  
150 12.7 10.1 15.1



Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

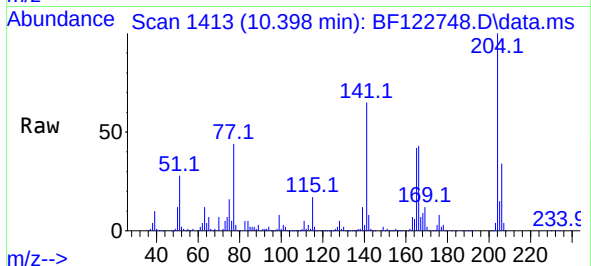
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#61  
4-Chlorophenyl-phenylether  
Concen: 35.61 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

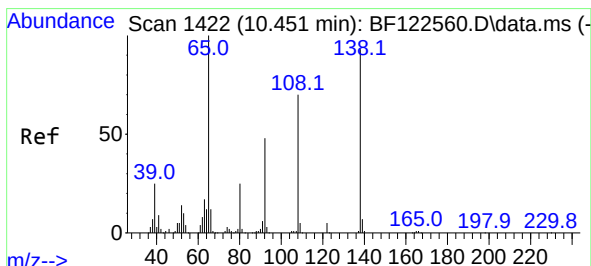
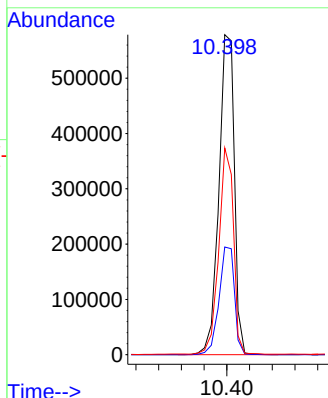
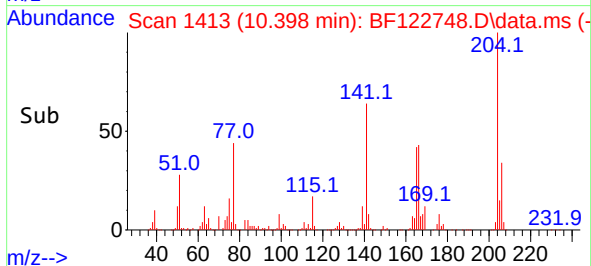
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



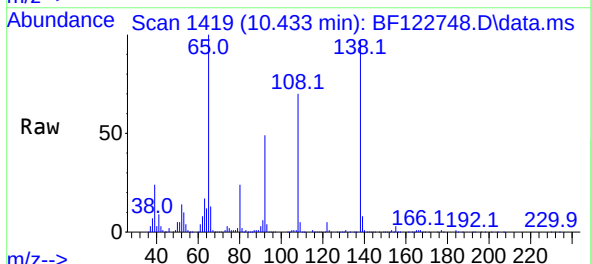
Tgt Ion:204 Resp: 548817  
Ion Ratio Lower Upper  
204 100  
206 33.6 27.0 40.4  
141 64.6 50.4 75.6

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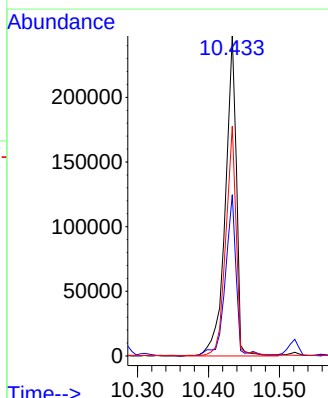
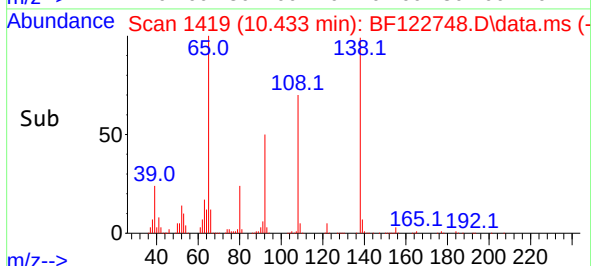
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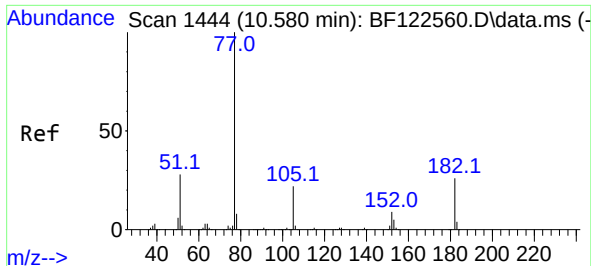


#62  
4-Nitroaniline  
Concen: 31.76 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



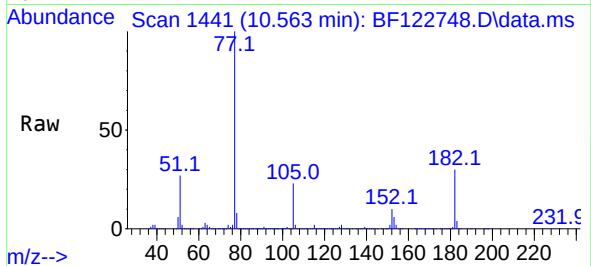
Tgt Ion:138 Resp: 267541  
Ion Ratio Lower Upper  
138 100  
92 50.4 31.0 71.0  
108 71.8 54.8 94.8





#63  
Azobenzene  
Concen: 37.55 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

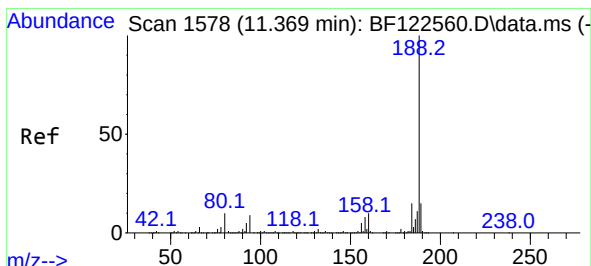
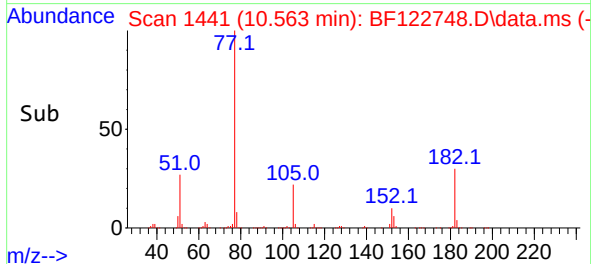
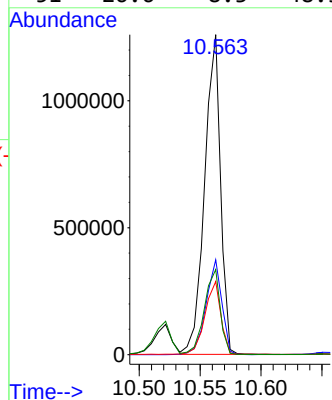
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



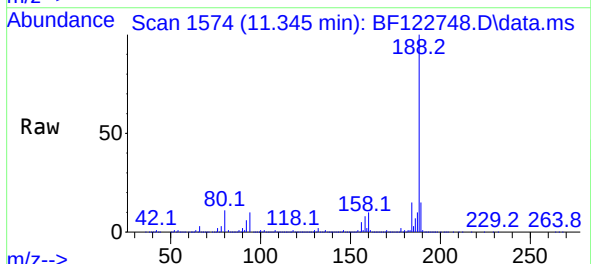
Tgt Ion: 77 Resp: 1141592  
Ion Ratio Lower Upper  
77 100  
182 29.7 5.6 45.6  
105 22.9 1.8 41.8  
51 26.6 8.3 48.3

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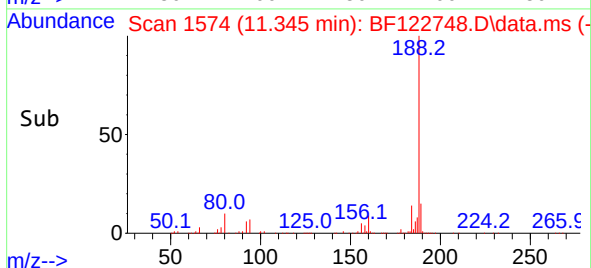
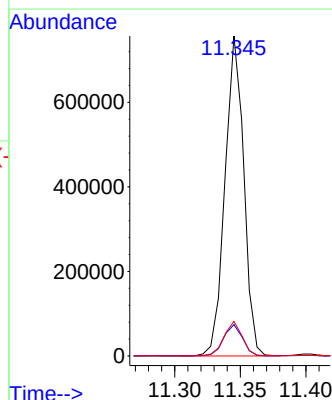
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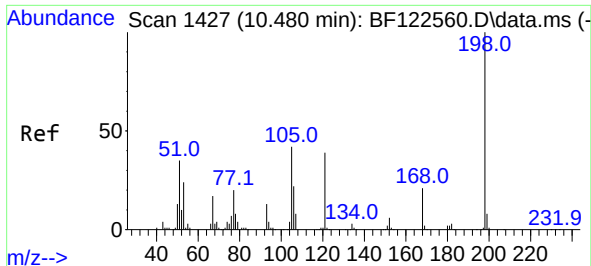


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.345 min Scan# 1574  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion: 188 Resp: 751755  
Ion Ratio Lower Upper  
188 100  
94 9.8 7.4 11.2  
80 10.8 8.2 12.4





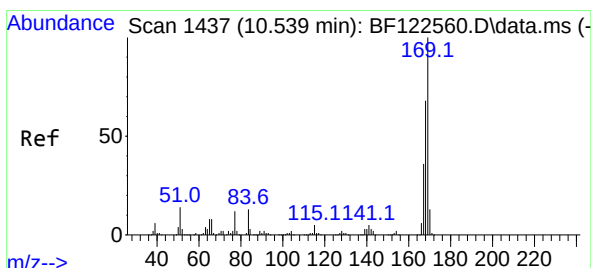
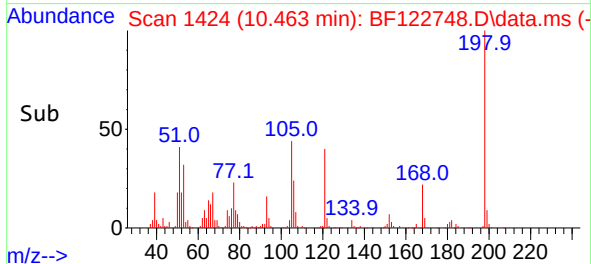
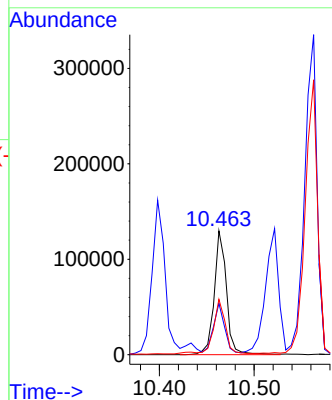
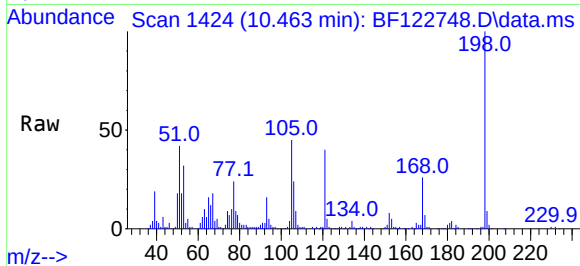
#65  
4,6-Dinitro-2-methylphenol  
Concen: 25.41 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

Tgt Ion:198 Resp: 116476  
Ion Ratio Lower Upper  
198 100  
51 41.5 20.3 60.3  
105 44.8 23.0 63.0

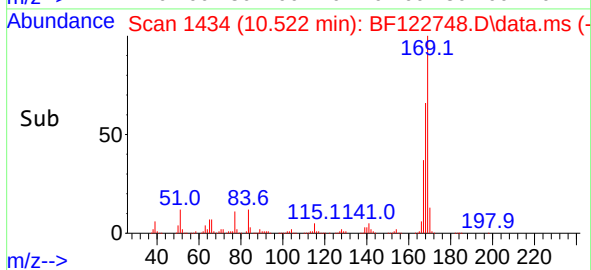
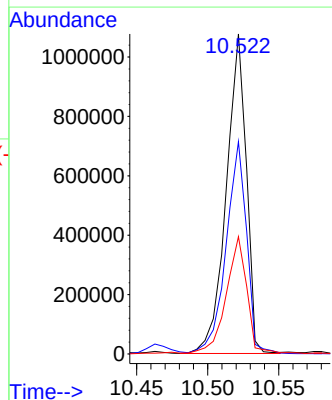
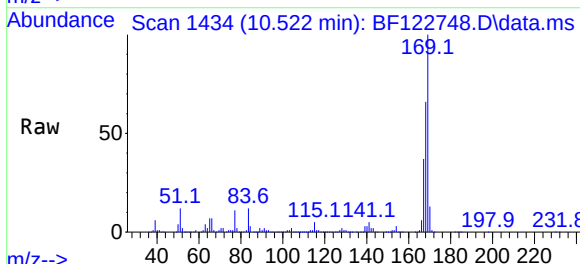
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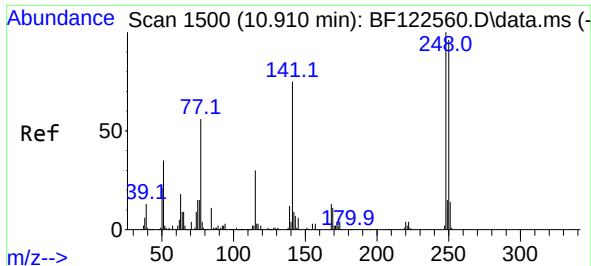
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#66  
n-Nitrosodiphenylamine  
Concen: 39.81 ng  
RT: 10.522 min Scan# 1434  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

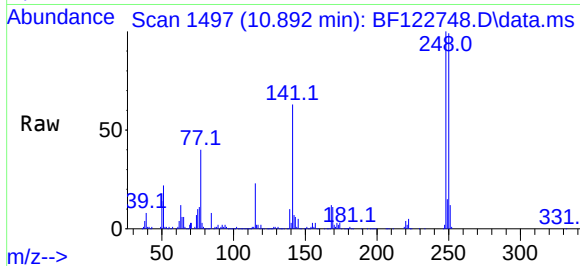
Tgt Ion:169 Resp: 1057581  
Ion Ratio Lower Upper  
169 100  
168 66.4 54.2 81.2  
167 36.7 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 38.52 ng  
RT: 10.892 min Scan# 1497  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

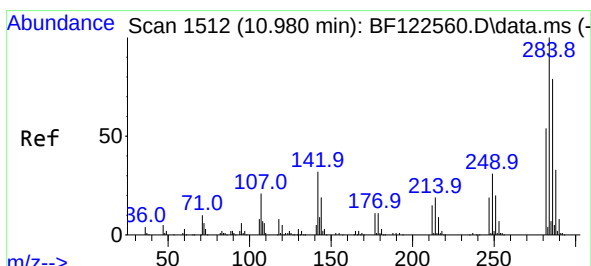
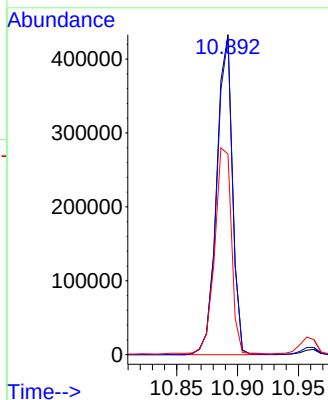
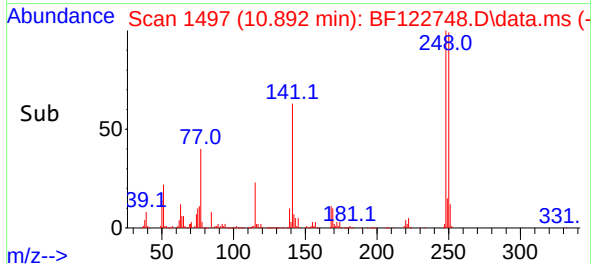
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



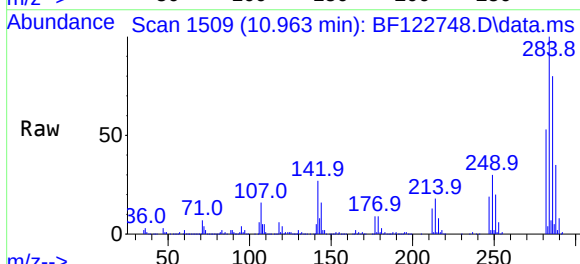
Tgt Ion:248 Resp: 392446  
Ion Ratio Lower Upper  
248 100  
250 99.1 76.8 115.2  
141 62.7 59.8 89.8

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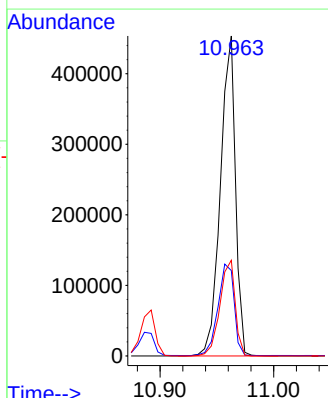
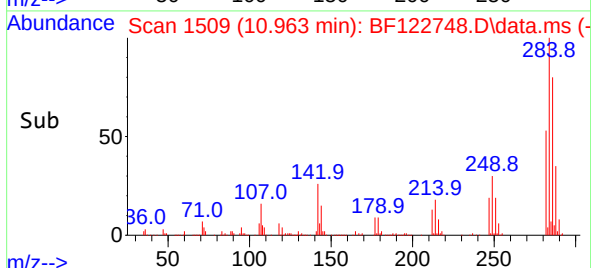
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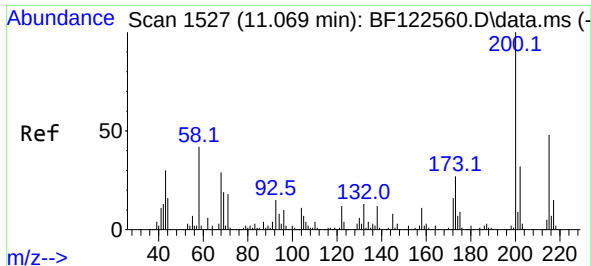


#68  
Hexachlorobenzene  
Concen: 37.25 ng  
RT: 10.963 min Scan# 1509  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:284 Resp: 419458  
Ion Ratio Lower Upper  
284 100  
142 26.7 25.6 38.4  
249 29.9 25.1 37.7





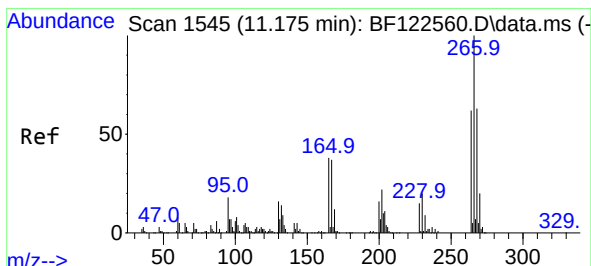
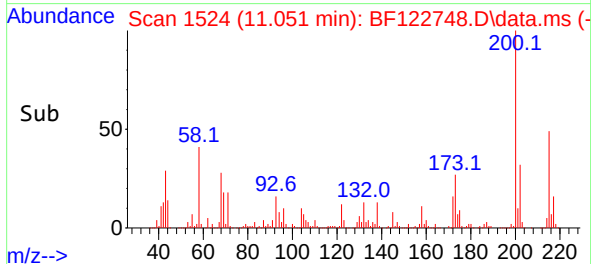
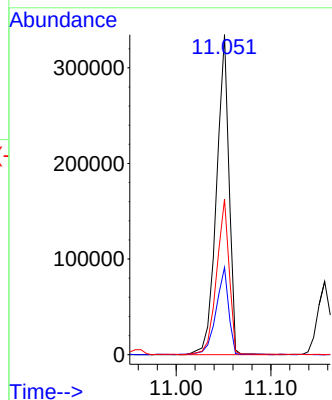
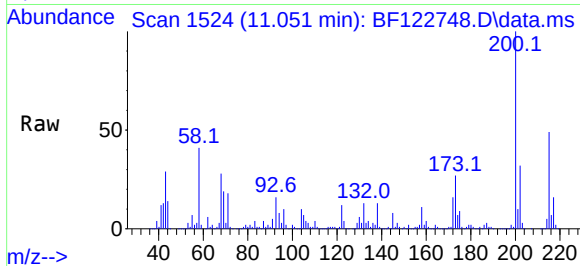
#69  
Atrazine  
Concen: 35.49 ng  
RT: 11.051 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:200 Resp: 306118  
Ion Ratio Lower Upper  
200 100  
173 27.2 6.6 46.6  
215 48.6 28.1 68.1

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

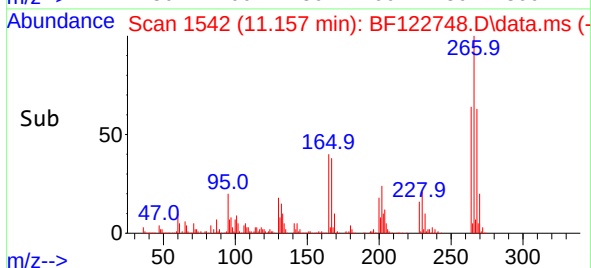
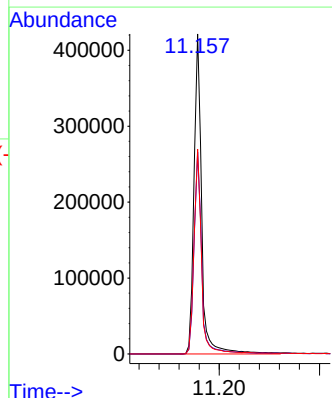
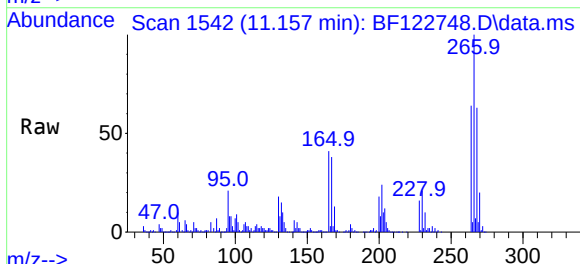
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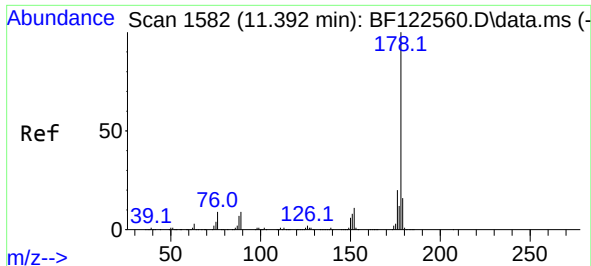
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#70  
Pentachlorophenol  
Concen: 75.19 ng  
RT: 11.157 min Scan# 1542  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

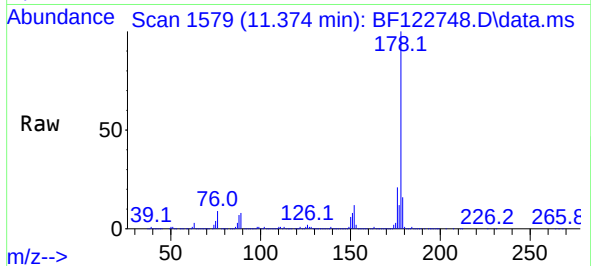
Tgt Ion:266 Resp: 448601  
Ion Ratio Lower Upper  
266 100  
268 63.1 50.5 75.7  
264 64.0 49.8 74.8





#71  
Phenanthrene  
Concen: 46.04 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

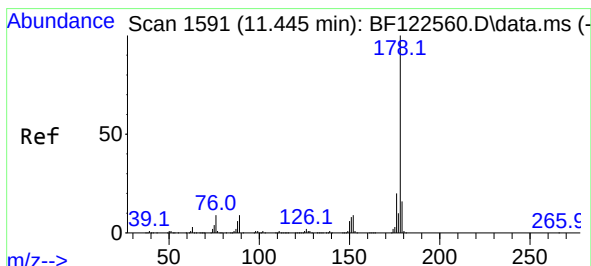
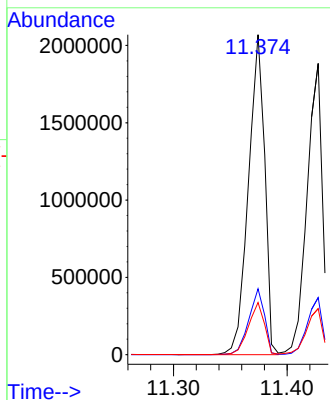
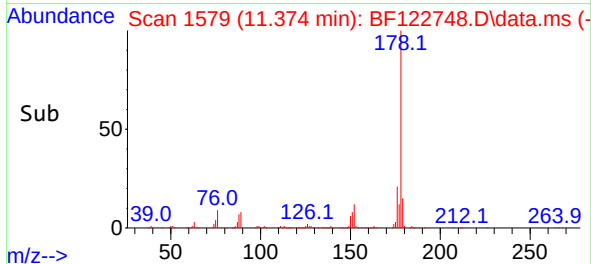
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



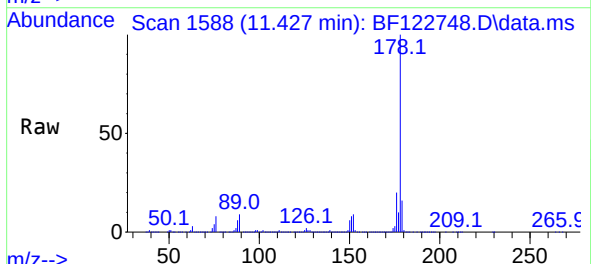
Tgt Ion:178 Resp: 2056813  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.2 24.2  
179 16.3 12.7 19.1

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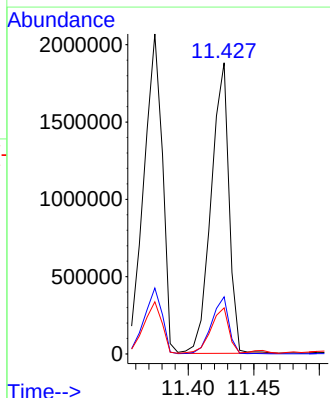
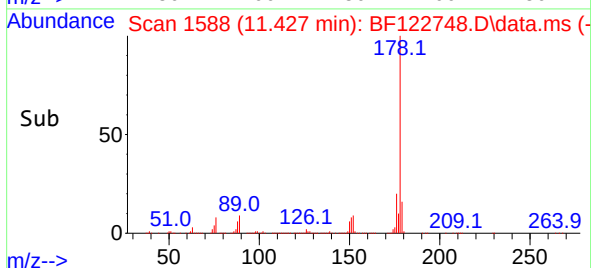
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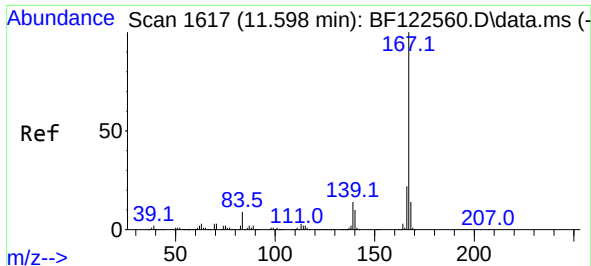


#72  
Anthracene  
Concen: 40.26 ng  
RT: 11.427 min Scan# 1588  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:178 Resp: 1783667  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.6 23.4  
179 15.8 12.8 19.2





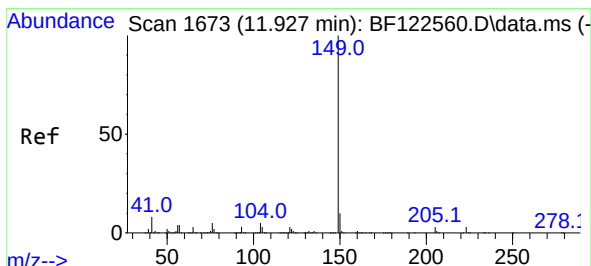
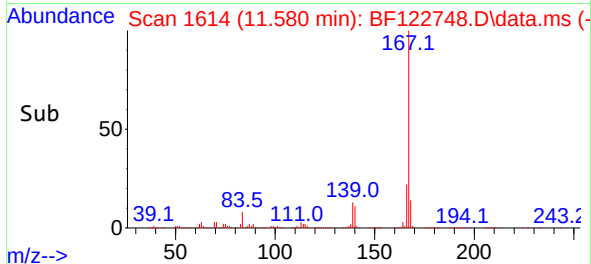
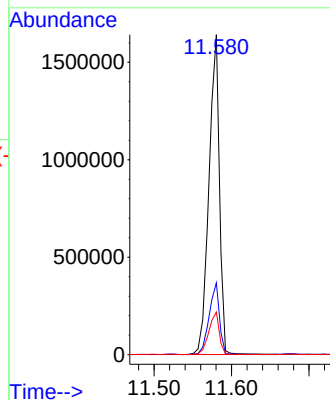
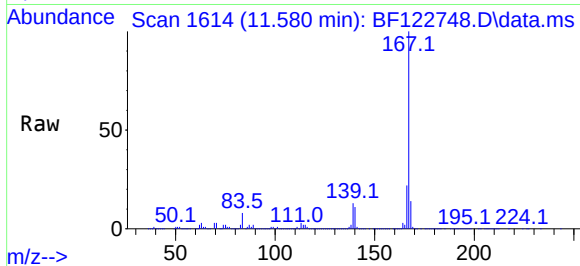
#73  
Carbazole  
Concen: 38.32 ng  
RT: 11.580 min Scan# 1614  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:167 Resp: 1539826  
Ion Ratio Lower Upper  
167 100  
166 22.5 18.0 27.0  
139 13.3 10.9 16.3

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

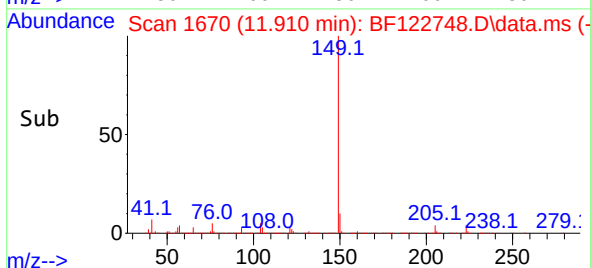
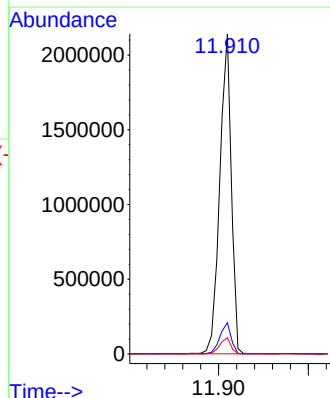
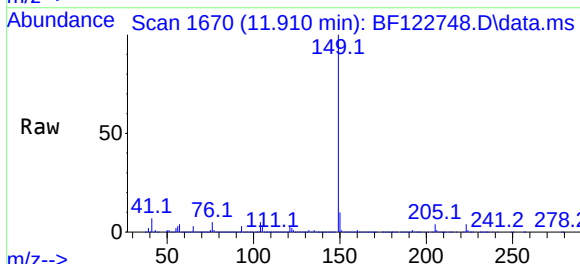
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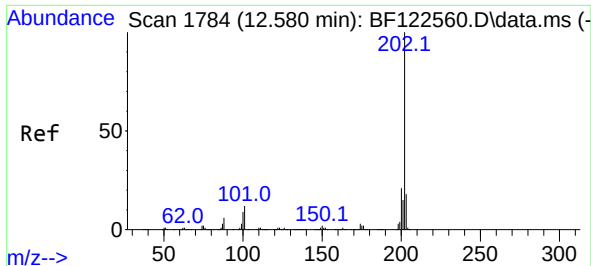


#74  
Di-n-butylphthalate  
Concen: 37.74 ng  
RT: 11.910 min Scan# 1670  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:149 Resp: 1905415  
Ion Ratio Lower Upper  
149 100  
150 9.7 7.8 11.6  
104 5.1 4.2 6.4







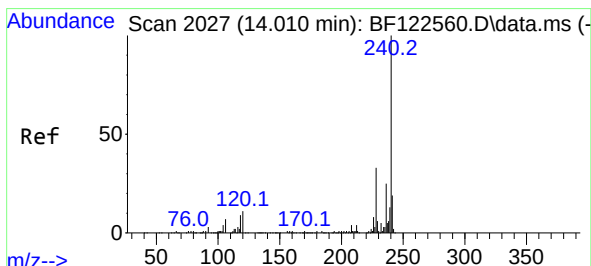
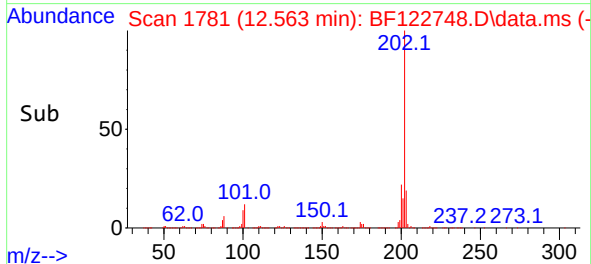
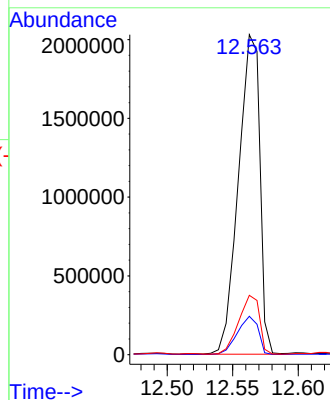
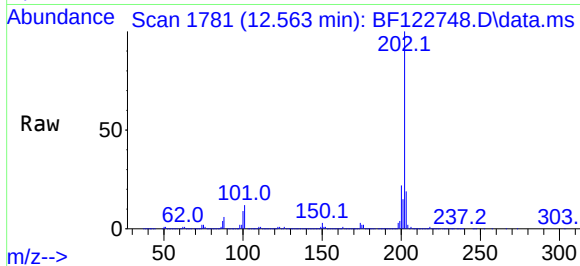
#75  
Fluoranthene  
Concen: 49.20 ng  
RT: 12.563 min Scan# 1781  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:202 Resp: 2304918  
Ion Ratio Lower Upper  
202 100  
101 12.0 0.0 32.2  
203 18.6 0.0 38.1

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

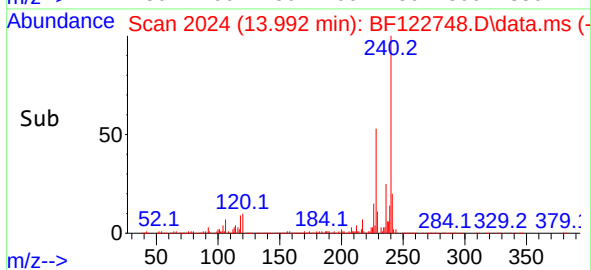
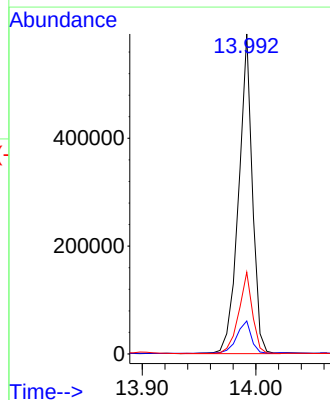
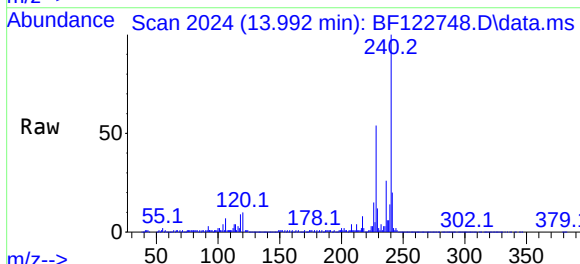
Manual Integrations  
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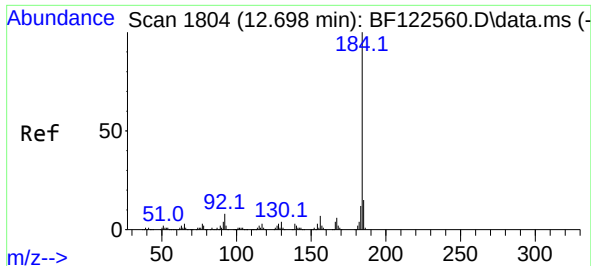
mohammad  
12/17/2020 11:38:15 AM



#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

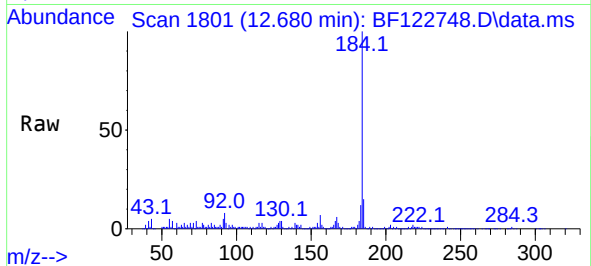
Tgt Ion:240 Resp: 496638  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.6 12.8  
236 25.6 20.3 30.5





#77  
Benzidine  
Concen: 35.23 ng  
RT: 12.680 min Scan# 1801  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

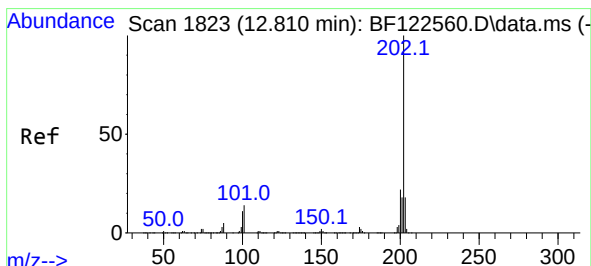
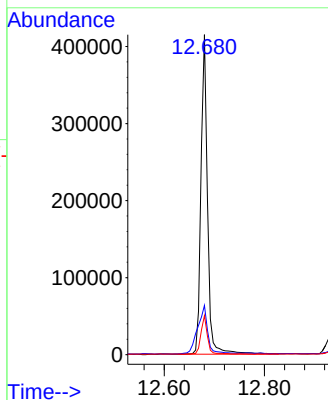
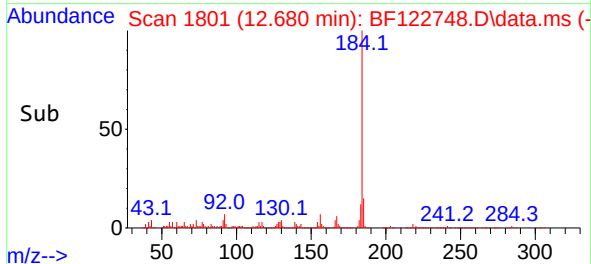
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



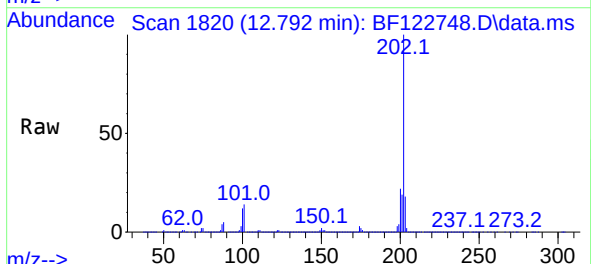
Tgt Ion:184 Resp: 378458  
Ion Ratio Lower Upper  
184 100  
185 15.4 11.8 17.6  
183 12.2 9.7 14.5

Manual Integrations  
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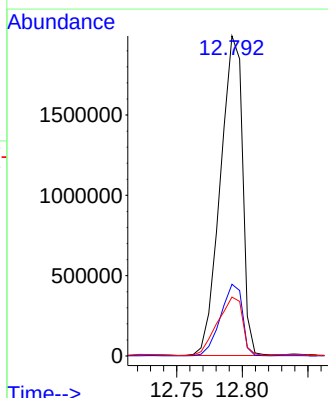
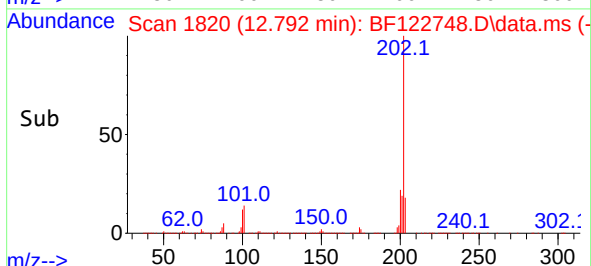
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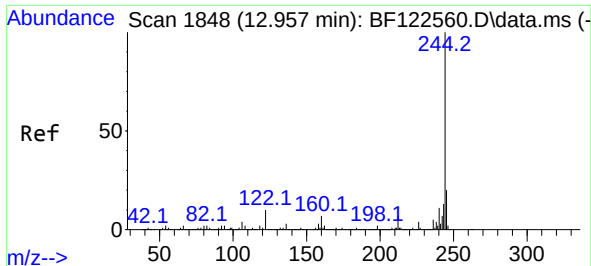


#78  
Pyrene  
Concen: 60.81 ng  
RT: 12.792 min Scan# 1820  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



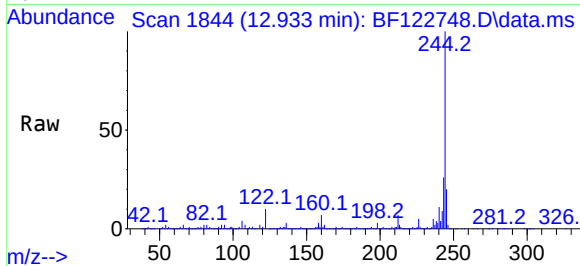
Tgt Ion:202 Resp: 2335065  
Ion Ratio Lower Upper  
202 100  
200 22.4 17.6 26.4  
203 18.4 14.6 21.8





#79  
Terphenyl-d14  
Concen: 64.07 ng  
RT: 12.933 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

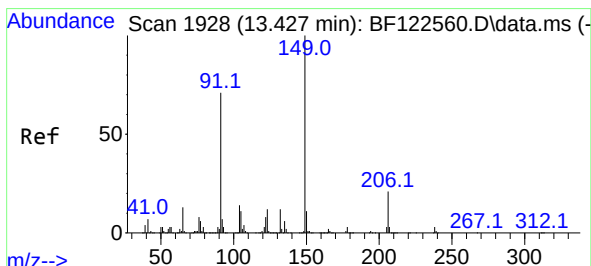
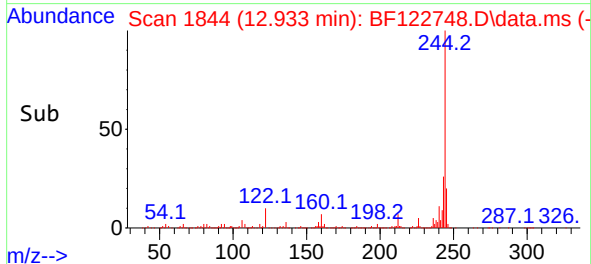
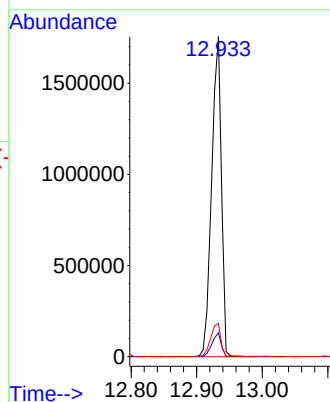
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



Tgt Ion:244 Resp: 1817813  
Ion Ratio Lower Upper  
244 100  
212 7.4 5.7 8.5  
122 10.4 8.3 12.5

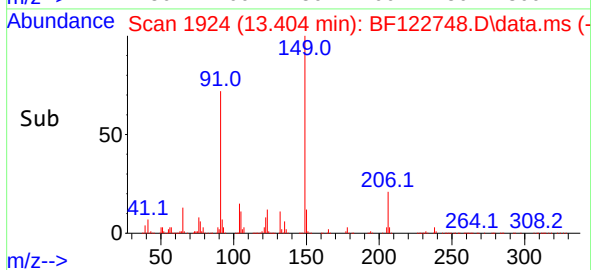
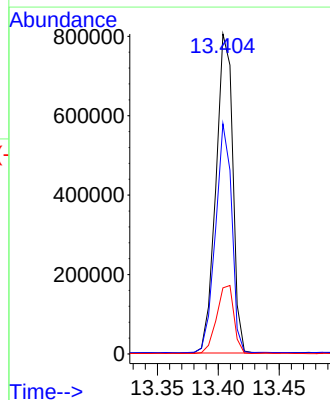
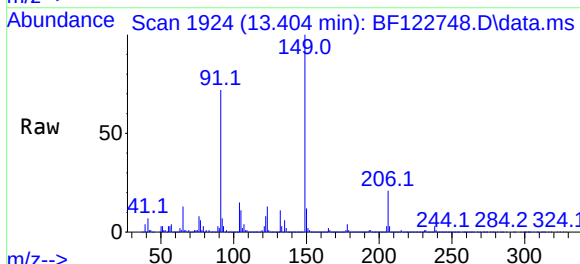
Manual Integrations  
APPROVED

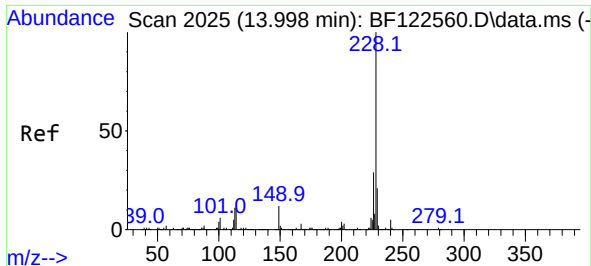
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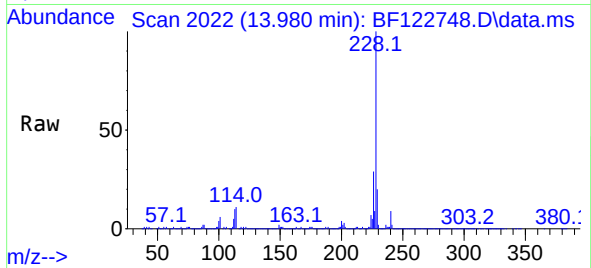
#80  
Butylbenzylphthalate  
Concen: 44.95 ng  
RT: 13.404 min Scan# 1924  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:149 Resp: 777357  
Ion Ratio Lower Upper  
149 100  
91 72.0 56.5 84.7  
206 20.7 17.0 25.6

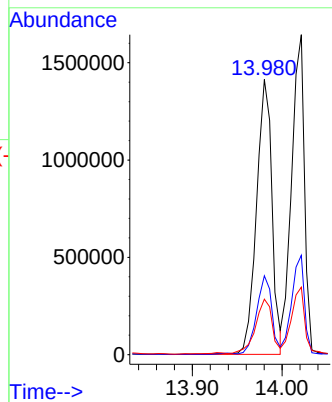
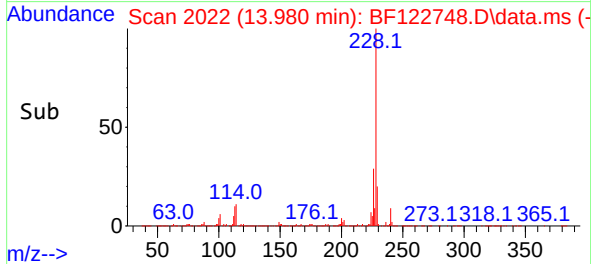




#81  
Benzo(a)anthracene  
Concen: 51.05 ng  
RT: 13.980 min Scan# 2022  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



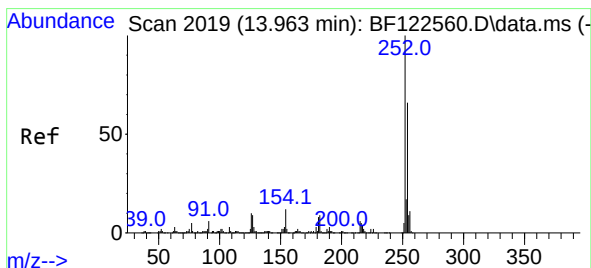
Tgt Ion:228 Resp: 1694451  
Ion Ratio Lower Upper  
228 100  
226 28.7 23.0 34.4  
229 20.2 16.6 24.8



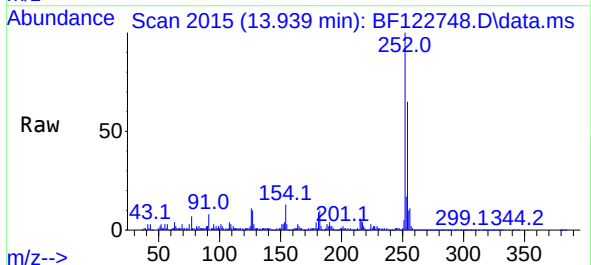
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

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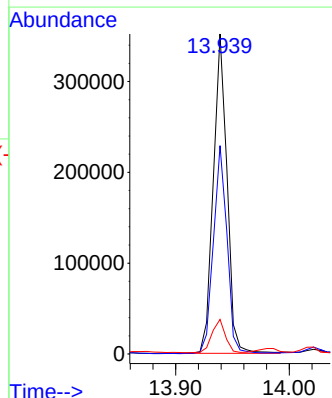
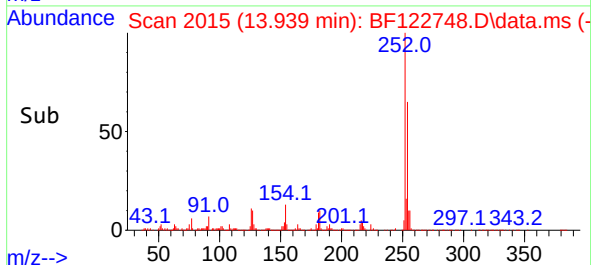
mohammad  
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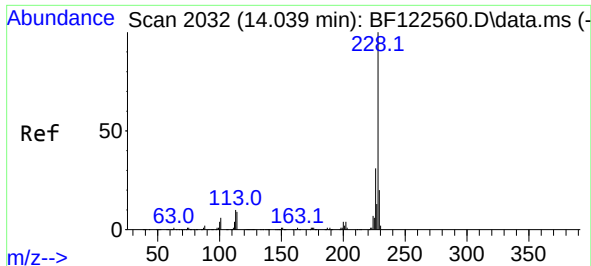


#82  
3,3'-Dichlorobenzidine  
Concen: 24.79 ng  
RT: 13.939 min Scan# 2015  
Delta R.T. -0.000 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:252 Resp: 294644  
Ion Ratio Lower Upper  
252 100  
254 65.1 52.7 79.1  
126 10.8 8.0 12.0





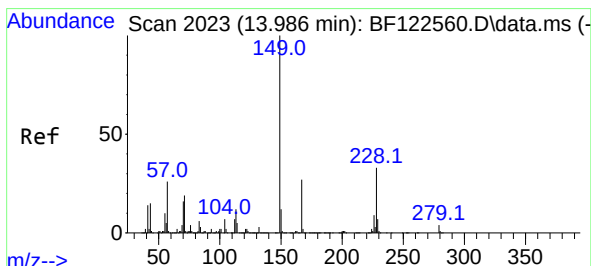
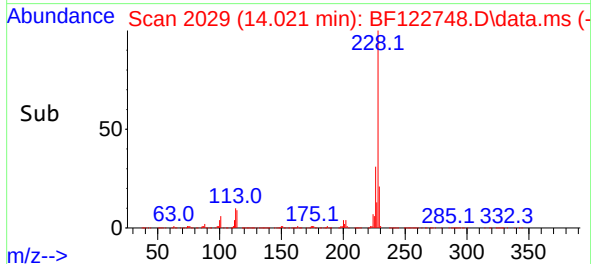
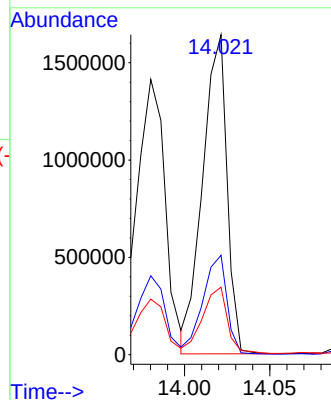
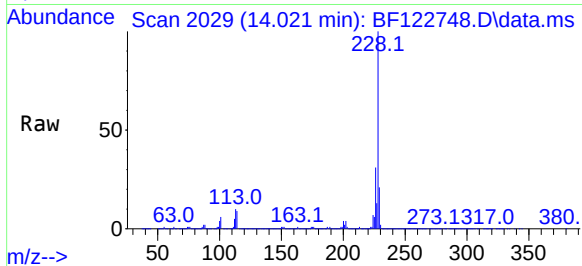
#83  
Chrysene  
Concen: 49.28 ng  
RT: 14.021 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:228 Resp: 1627708  
Ion Ratio Lower Upper  
228 100  
226 31.1 24.6 36.8  
229 21.1 15.8 23.6

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

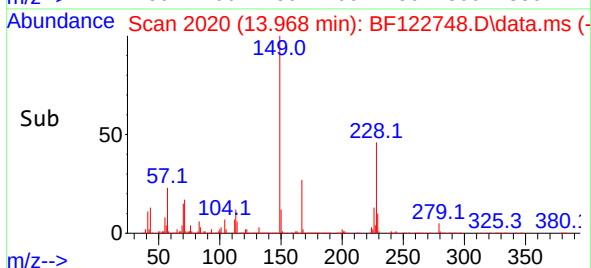
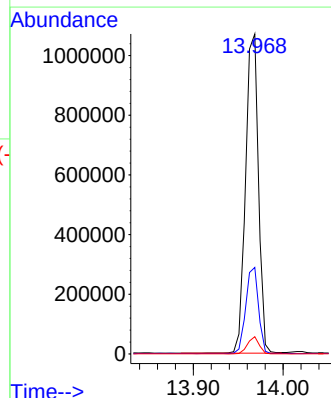
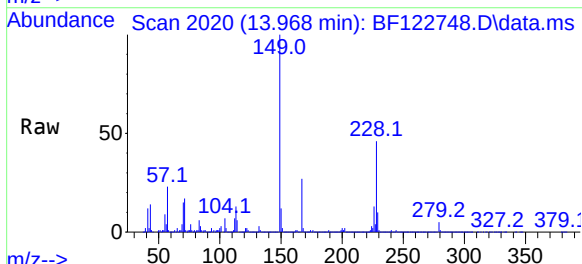
Manual Integrations  
APPROVED

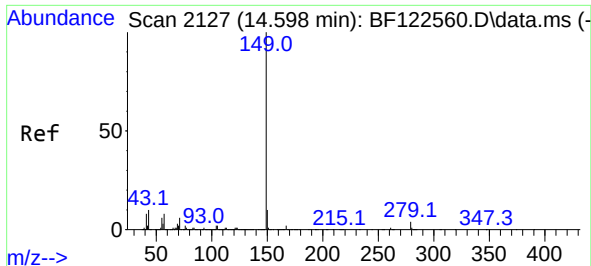
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.98 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

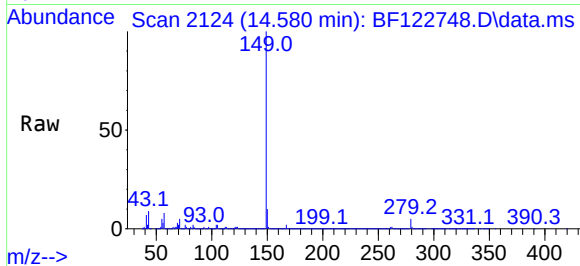
Tgt Ion:149 Resp: 1065365  
Ion Ratio Lower Upper  
149 100  
167 27.1 21.4 32.2  
279 5.4 3.4 5.0#





#85  
Di-n-octyl phthalate  
Concen: 44.65 ng  
RT: 14.580 min Scan# 2124  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

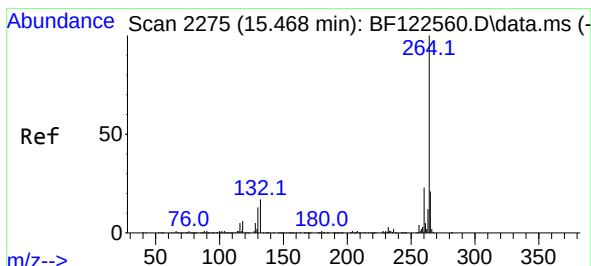
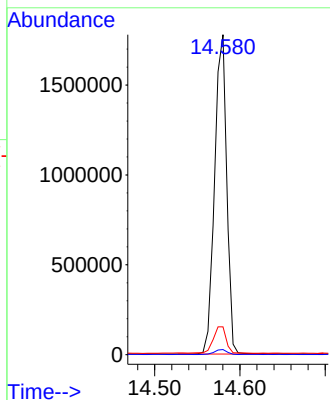
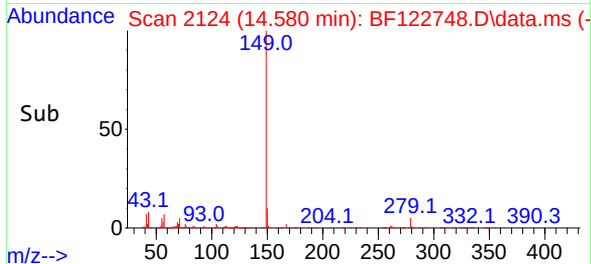
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



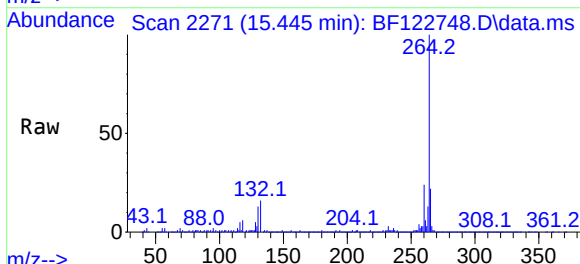
Tgt Ion:149 Resp: 1754202  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.8 7.6 11.4

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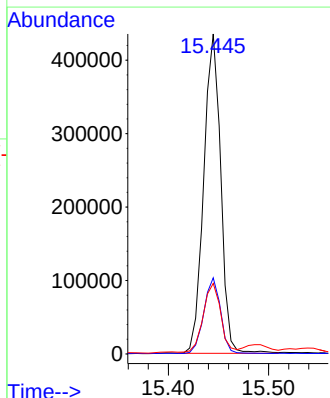
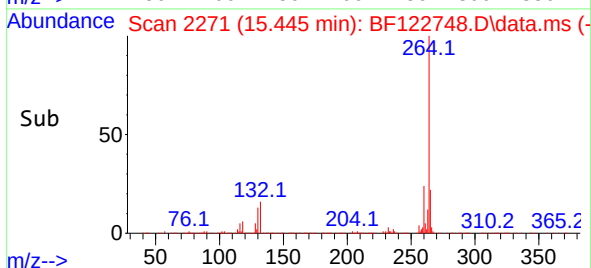
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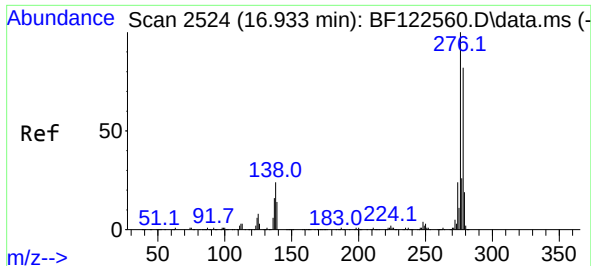


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.445 min Scan# 2271  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:264 Resp: 514568  
Ion Ratio Lower Upper  
264 100  
260 23.8 18.6 28.0  
265 22.1 17.0 25.6





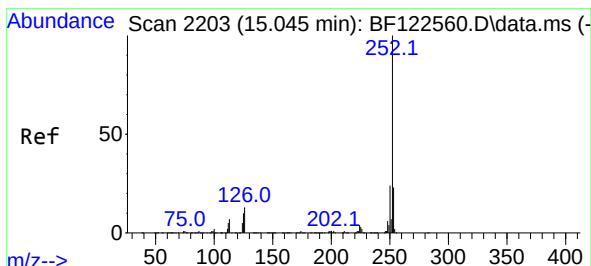
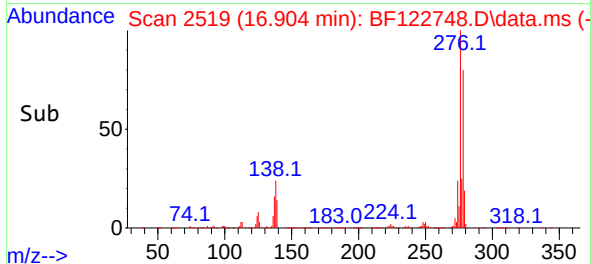
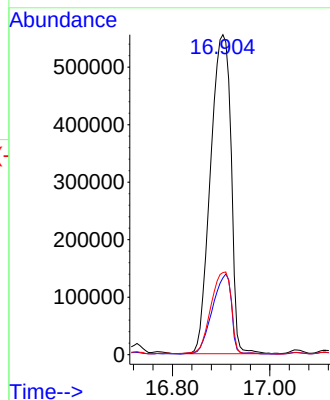
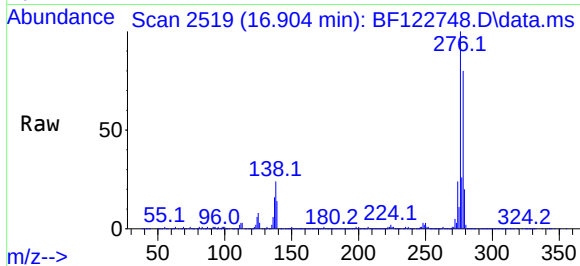
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 47.82 ng  
RT: 16.904 min Scan# 2519  
Delta R.T. 0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion: 276 Resp: 1615119  
Ion Ratio Lower Upper  
276 100  
138 23.2 18.7 28.1  
277 25.4 20.2 30.4

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

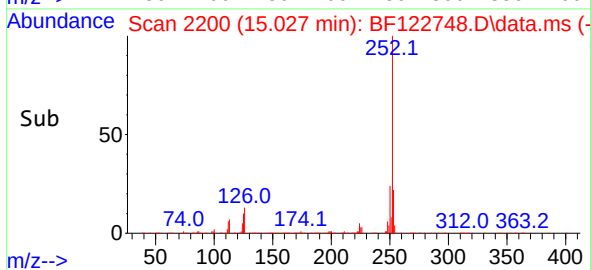
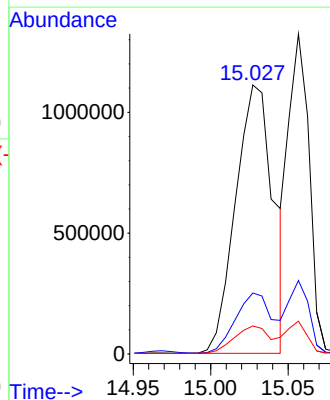
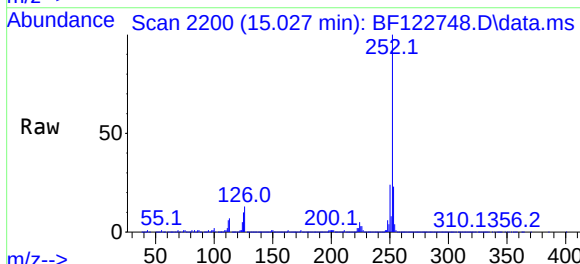
Manual Integrations  
APPROVED

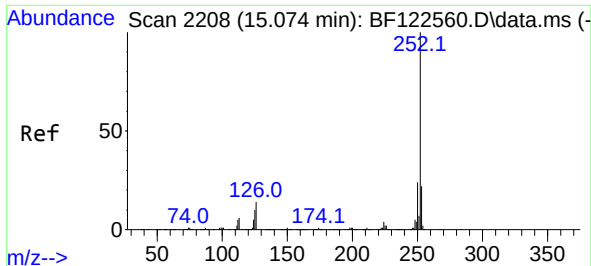
mohammad  
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#88  
Benzo(b)fluoranthene  
Concen: 52.09 ng  
RT: 15.027 min Scan# 2200  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

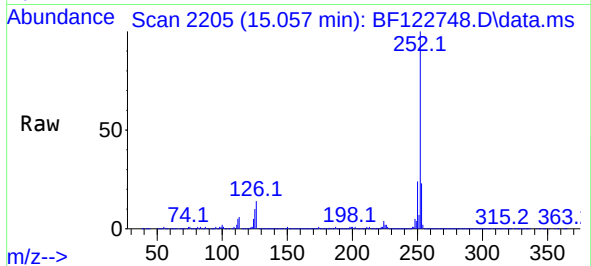
Tgt Ion: 252 Resp: 1880612  
Ion Ratio Lower Upper  
252 100  
253 22.7 18.3 27.5  
125 10.4 8.1 12.1





#89  
Benzo(k)fluoranthene  
Concen: 37.41 ng  
RT: 15.057 min Scan# 2205  
Delta R.T. 0.006 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

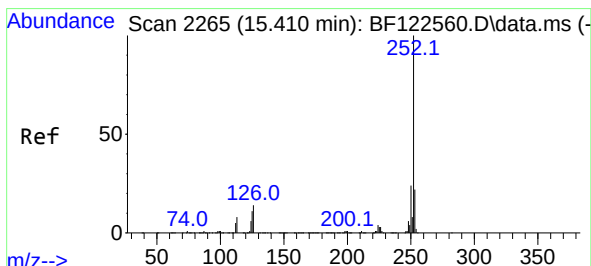
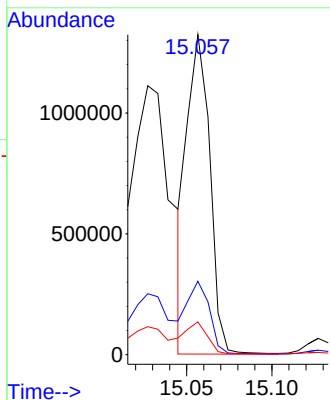
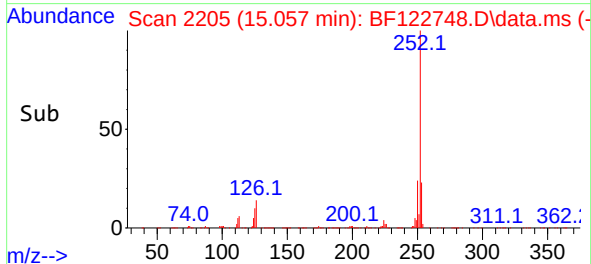
Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD



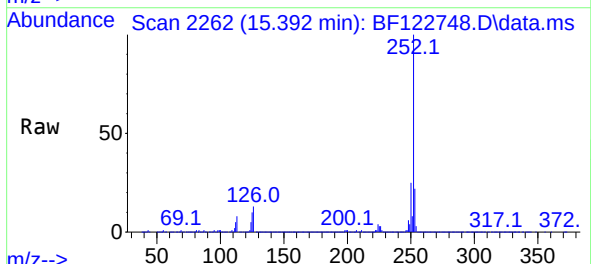
Tgt Ion:252 Resp: 1235021  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.8  
125 10.2 8.4 12.6

Manual Integrations  
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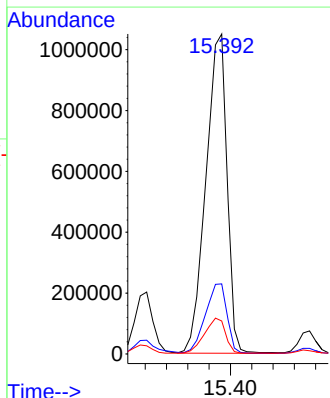
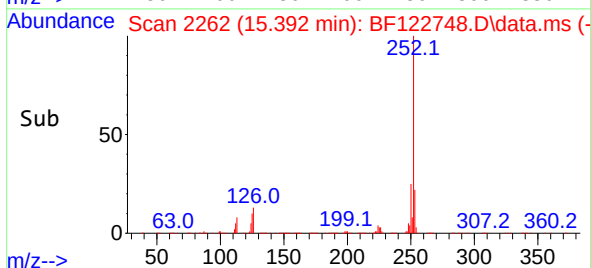
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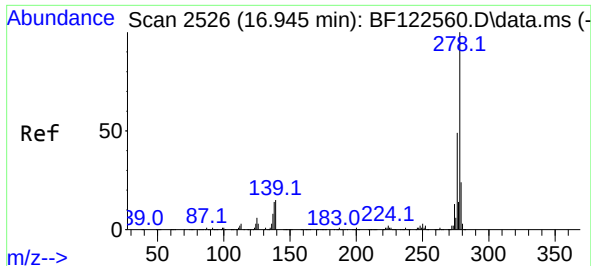
#90  
Benzo(a)pyrene  
Concen: 45.74 ng  
RT: 15.392 min Scan# 2262  
Delta R.T. 0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08



Tgt Ion:252 Resp: 1444713  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 10.3 8.6 12.8







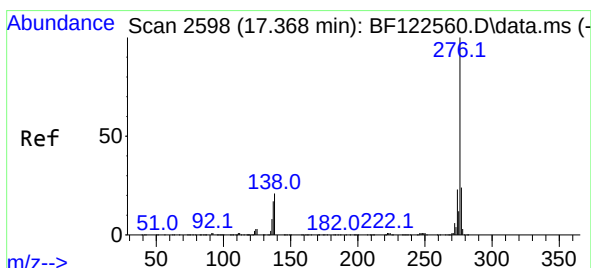
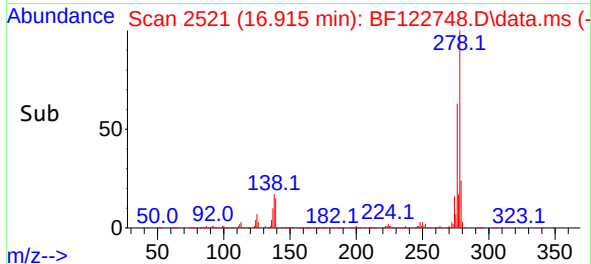
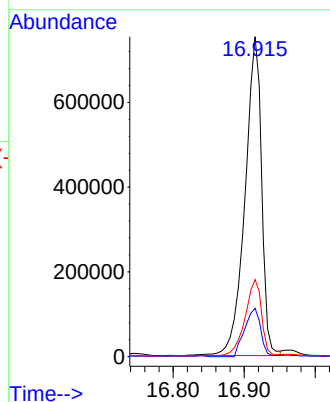
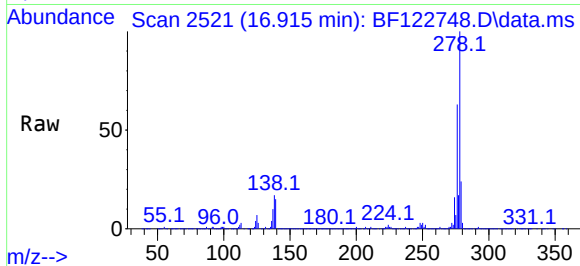
#91  
Dibenzo(a,h)anthracene  
Concen: 44.29 ng  
RT: 16.915 min Scan# 2521  
Delta R.T. 0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
CHRT-20057MSD

Tgt Ion:278 Resp: 1224461  
Ion Ratio Lower Upper  
278 100  
139 15.1 12.0 18.0  
279 24.1 19.4 29.2

Manual Integrations  
APPROVED

mohammad  
12/17/2020 11:38:15 AM



#92  
Benzo(g,h,i)perylene  
Concen: 52.94 ng  
RT: 17.339 min Scan# 2593  
Delta R.T. 0.012 min  
Lab File: BF122748.D  
Acq: 16 Dec 2020 14:08

Tgt Ion:276 Resp: 1416460  
Ion Ratio Lower Upper  
276 100  
277 23.1 19.3 28.9  
138 19.8 16.6 24.8

