

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102822\  
 Data File : BF130823.D  
 Acq On : 28 Oct 2022 12:54  
 Operator : CG\JU  
 Sample : N5268-04MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-102422MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022  
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 28 16:51:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 04:00:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.957  | 152  | 95942    | 20.000  | ng     | 0.00     |
| 21) Naphthalene-d8            | 8.239  | 136  | 353509   | 20.000  | ng     | 0.00     |
| 39) Acenaphthene-d10          | 9.998  | 164  | 179268   | 20.000  | ng     | 0.00     |
| 64) Phenanthrene-d10          | 11.492 | 188  | 287582   | 20.000  | ng     | 0.00     |
| 76) Chrysene-d12              | 14.139 | 240  | 177905   | 20.000  | ng     | 0.00     |
| 86) Perylene-d12              | 15.656 | 264  | 179929   | 20.000  | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 5) 2-Fluorophenol             | 5.587  | 112  | 690790   | 124.821 | ng     | 0.02     |
| 7) Phenol-d6                  | 6.575  | 99   | 828827   | 115.247 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 7.522  | 82   | 608140   | 103.732 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.792 | 330  | 210751   | 139.656 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.316  | 172  | 1066186  | 89.918  | ng     | 0.00     |
| 79) Terphenyl-d14             | 13.080 | 244  | 922010   | 94.969  | ng     | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         | Qvalue |          |
| 2) 1,4-Dioxane                | 2.969  | 88   | 110600   | 44.574  | ng     | # 77     |
| 3) Pyridine                   | 3.675  | 79   | 268126   | 38.581  | ng     | 99       |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 194153   | 49.763  | ng     | 93       |
| 6) Aniline                    | 6.616  | 93   | 266767   | 29.998  | ng     | 100      |
| 8) 2-Chlorophenol             | 6.739  | 128  | 292898   | 47.510  | ng     | 99       |
| 9) Benzaldehyde               | 6.510  | 77   | 82042    | 17.824  | ng     | 98       |
| 10) Phenol                    | 6.587  | 94   | 307717   | 39.761  | ng     | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.692  | 93   | 293074   | 48.579  | ng     | 98       |
| 12) 1,3-Dichlorobenzene       | 6.898  | 146  | 316167   | 45.258  | ng     | 99       |
| 13) 1,4-Dichlorobenzene       | 6.975  | 146  | 323444   | 45.613  | ng     | 100      |
| 14) 1,2-Dichlorobenzene       | 7.128  | 146  | 308347   | 46.952  | ng     | 99       |
| 15) Benzyl Alcohol            | 7.092  | 79   | 274873   | 44.949  | ng     | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.228  | 45   | 521869   | 48.529  | ng     | 99       |
| 17) 2-Methylphenol            | 7.198  | 107  | 232983   | 44.215  | ng     | 99       |
| 18) Hexachloroethane          | 7.469  | 117  | 120789   | 47.132  | ng     | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.369  | 70   | 221569   | 45.281  | ng     | 100      |
| 20) 3+4-Methylphenols         | 7.351  | 107  | 285353   | 41.650  | ng     | 94       |
| 22) Acetophenone              | 7.363  | 105  | 421242   | 49.148  | ng     | # 95     |
| 24) Nitrobenzene              | 7.539  | 77   | 329198   | 51.352  | ng     | 99       |
| 25) Isophorone                | 7.775  | 82   | 586080   | 48.478  | ng     | 98       |
| 26) 2-Nitrophenol             | 7.851  | 139  | 132018   | 51.872  | ng     | 89       |
| 27) 2,4-Dimethylphenol        | 7.881  | 122  | 258529   | 51.383  | ng     | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.986  | 93   | 354982   | 52.576  | ng     | 99       |
| 29) 2,4-Dichlorophenol        | 8.086  | 162  | 235948   | 45.586  | ng     | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.175  | 180  | 258719   | 46.485  | ng     | 99       |
| 31) Naphthalene               | 8.263  | 128  | 842453   | 45.677  | ng     | 99       |
| 32) Benzoic acid              | 7.945  | 122  | 36312    | 16.210  | ng     | 89       |
| 33) 4-Chloroaniline           | 8.304  | 127  | 117613   | 16.138  | ng     | 96       |
| 34) Hexachlorobutadiene       | 8.375  | 225  | 177092   | 47.932  | ng     | 99       |
| 35) Caprolactam               | 8.663  | 113  | 58244m   | 35.116  | ng     |          |
| 36) 4-Chloro-3-methylphenol   | 8.780  | 107  | 243845   | 43.433  | ng     | 98       |
| 37) 2-Methylnaphthalene       | 8.957  | 142  | 525005   | 45.253  | ng     | 98       |
| 38) 1-Methylnaphthalene       | 9.057  | 142  | 500326   | 44.314  | ng     | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.116  | 216  | 262248   | 51.586  | ng     | 99       |
| 41) Hexachlorocyclopentadiene | 9.104  | 237  | 320910   | 120.141 | ng     | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.227  | 196  | 167602   | 47.446  | ng     | 99       |

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 Sample : N5268-04MSD  
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Instrument :  
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Manual Integrations  
 APPROVED

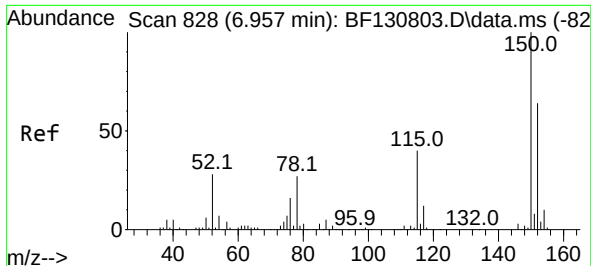
Reviewed By : Christian Giraldo 10/31/2022  
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 28 16:51:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 28 04:00:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.269  | 196  | 173688   | 46.021 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.422  | 154  | 645490   | 50.540 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.445  | 162  | 494639   | 48.298 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.539  | 65   | 157236   | 47.768 | ng    | 96       |
| 49) Acenaphthylene            | 9.863  | 152  | 753811   | 46.578 | ng    | 99       |
| 50) Dimethylphthalate         | 9.722  | 163  | 549009   | 44.587 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.780  | 165  | 113710   | 48.546 | ng    | 97       |
| 52) Acenaphthene              | 10.033 | 154  | 460555   | 46.021 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.951  | 138  | 74199    | 30.938 | ng    | # 87     |
| 54) 2,4-Dinitrophenol         | 10.051 | 184  | 28085    | 35.268 | ng    | # 78     |
| 55) Dibenzofuran              | 10.210 | 168  | 668810   | 46.107 | ng    | 97       |
| 56) 4-Nitrophenol             | 10.098 | 139  | 154151   | 81.175 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.180 | 165  | 144324   | 48.992 | ng    | # 88     |
| 58) Fluorene                  | 10.551 | 166  | 510077   | 44.658 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.316 | 232  | 134274   | 43.153 | ng    | 98       |
| 60) Diethylphthalate          | 10.422 | 149  | 525073   | 43.360 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.539 | 204  | 253469   | 46.388 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.563 | 138  | 104916   | 43.201 | ng    | 98       |
| 63) Azobenzene                | 10.704 | 77   | 564345   | 44.644 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.586 | 198  | 29104    | 28.144 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.663 | 169  | 460060   | 51.288 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.033 | 248  | 154577   | 53.448 | ng    | # 89     |
| 68) Hexachlorobenzene         | 11.098 | 284  | 166657   | 52.301 | ng    | 94       |
| 69) Atrazine                  | 11.186 | 200  | 144256   | 55.686 | ng    | 97       |
| 70) Pentachlorophenol         | 11.286 | 266  | 159889   | 87.933 | ng    | 98       |
| 71) Phenanthrene              | 11.516 | 178  | 712682   | 48.015 | ng    | 99       |
| 72) Anthracene                | 11.569 | 178  | 725672   | 49.567 | ng    | 99       |
| 73) Carbazole                 | 11.721 | 167  | 613776   | 46.815 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.051 | 149  | 739185   | 46.423 | ng    | 99       |
| 75) Fluoranthene              | 12.710 | 202  | 695330   | 44.090 | ng    | 98       |
| 77) Benzidine                 | 12.827 | 184  | 270406   | 62.614 | ng    | 99       |
| 78) Pyrene                    | 12.939 | 202  | 690176   | 45.983 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.557 | 149  | 265003   | 49.075 | ng    | 92       |
| 81) Benzo(a)anthracene        | 14.127 | 228  | 568228   | 48.175 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.086 | 252  | 107717   | 33.837 | ng    | 97       |
| 83) Chrysene                  | 14.162 | 228  | 545621   | 47.957 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.115 | 149  | 350457   | 53.977 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.739 | 149  | 567733   | 63.357 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.215 | 276  | 705472   | 59.042 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.204 | 252  | 561482   | 48.274 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.239 | 252  | 539592   | 47.609 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.592 | 252  | 496709   | 53.124 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.239 | 278  | 606954   | 62.312 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.692 | 276  | 629103   | 63.307 | ng    | 99       |

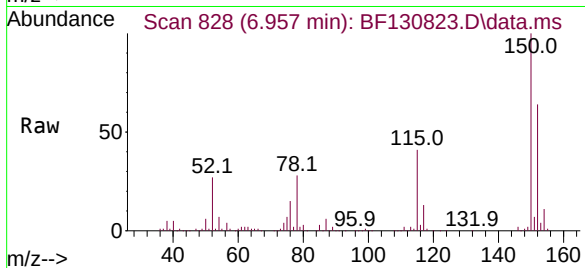
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.957 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54

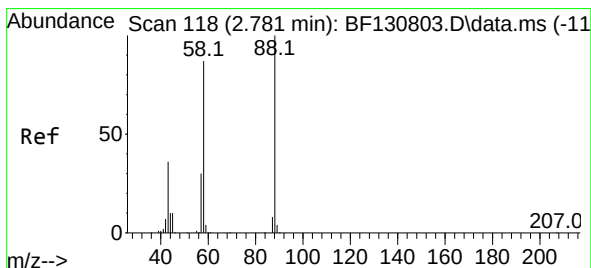
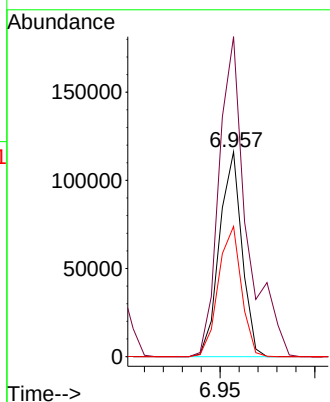
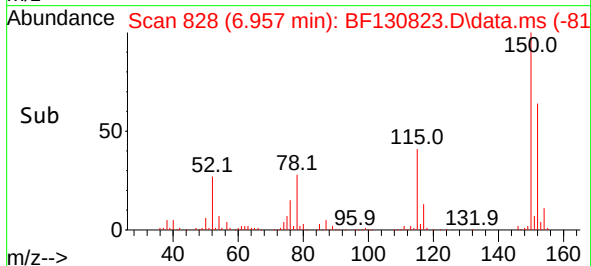
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-102422MSD



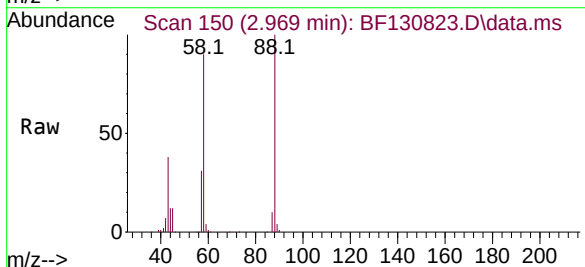
Tgt Ion:152 Resp: 95942  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 124.1 186.1  
 115 63.5 50.1 75.1

Manual Integrations  
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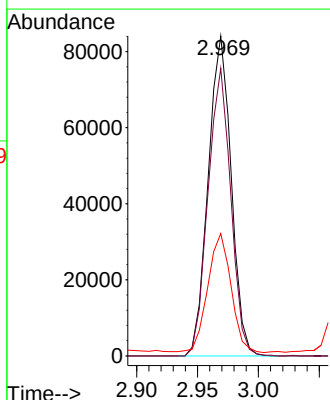
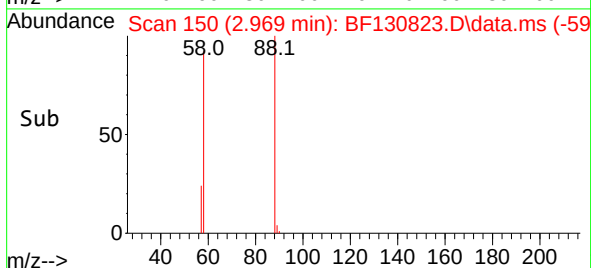
Reviewed By :Christian Giraldo 10/31/2022  
 Supervised By :Jagrut Upadhyay 11/01/2022

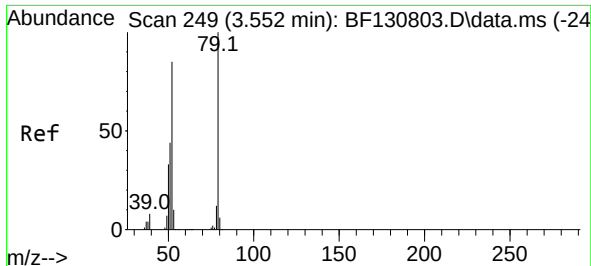


#2  
 1,4-Dioxane  
 Concen: 44.574 ng  
 RT: 2.969 min Scan# 150  
 Delta R.T. 0.188 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54



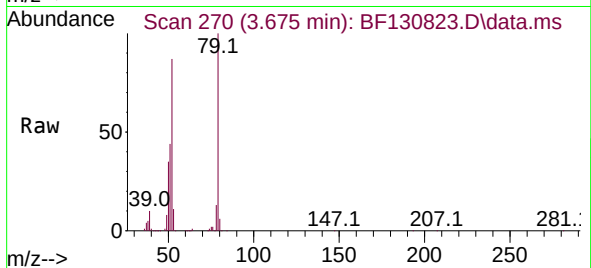
Tgt Ion: 88 Resp: 110600  
 Ion Ratio Lower Upper  
 88 100  
 58 88.9 64.7 97.1  
 43 0.0 26.5 39.7#





#3  
 Pyridine  
 Concen: 38.581 ng  
 RT: 3.675 min Scan# 21  
 Delta R.T. 0.123 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54

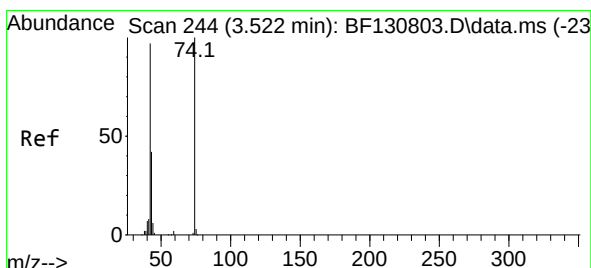
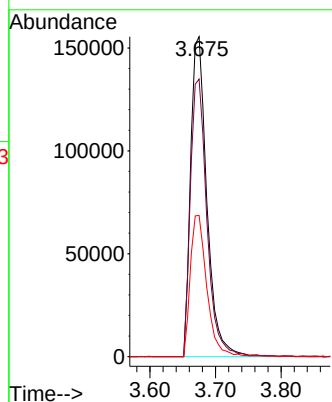
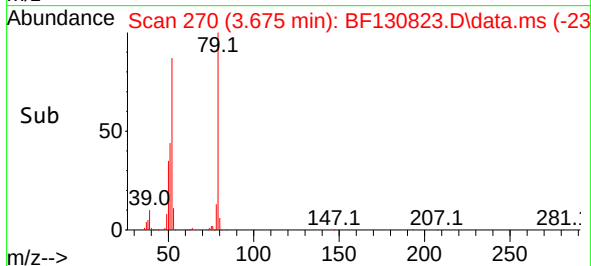
Instrument :  
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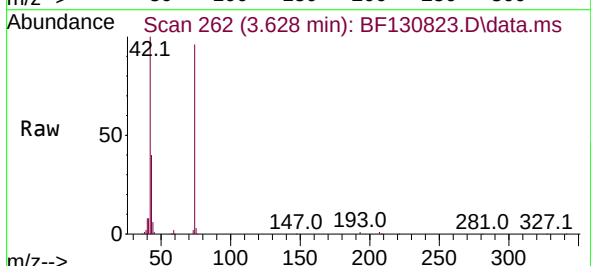
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 Ion Ratio Lower Upper  
 79 100  
 52 86.7 68.2 102.4  
 51 44.1 35.2 52.8

Manual Integrations  
 APPROVED

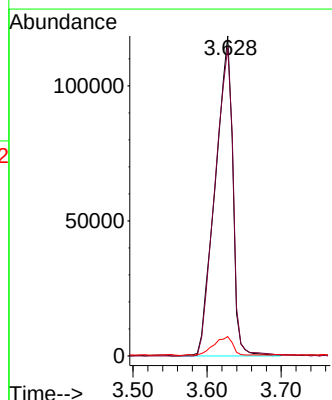
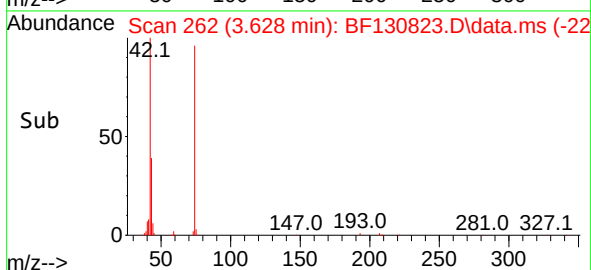
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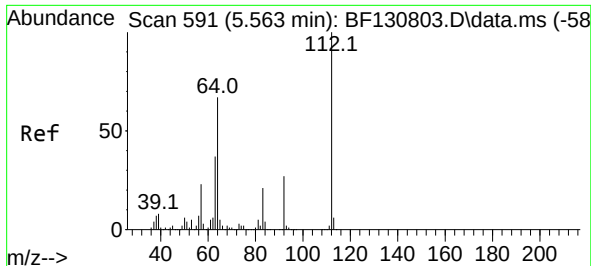


#4  
 n-Nitrosodimethylamine  
 Concen: 49.763 ng  
 RT: 3.628 min Scan# 262  
 Delta R.T. 0.106 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54



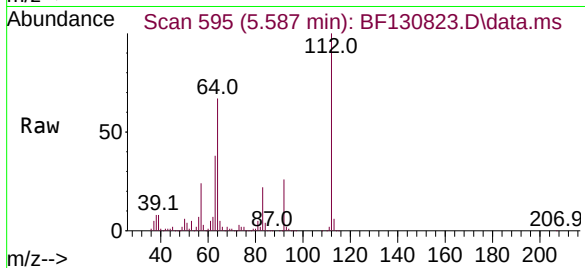
Tgt Ion: 42 Resp: 194153  
 Ion Ratio Lower Upper  
 42 100  
 74 96.4 82.8 124.2  
 44 6.0 6.0 9.0





#5  
2-Fluorophenol  
Concen: 124.821 ng  
RT: 5.587 min Scan# 591  
Delta R.T. 0.024 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

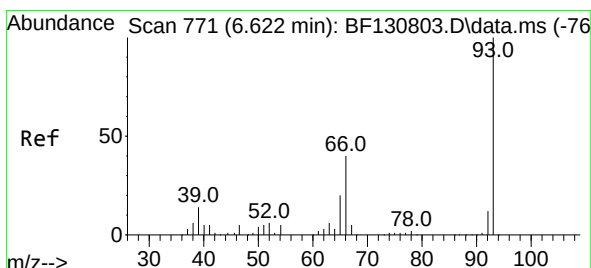
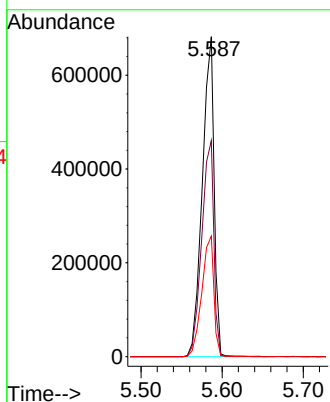
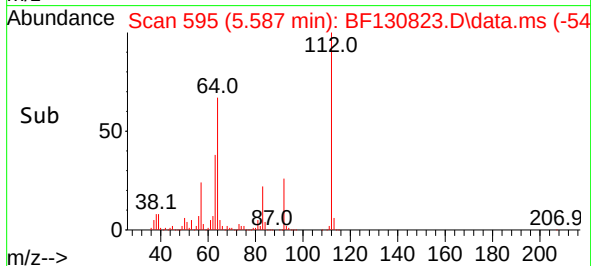
Instrument :  
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Tgt Ion:112 Resp: 690790  
Ion Ratio Lower Upper  
112 100  
64 67.5 53.9 80.9  
63 37.7 29.4 44.2

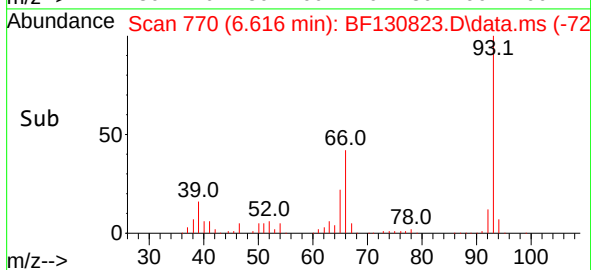
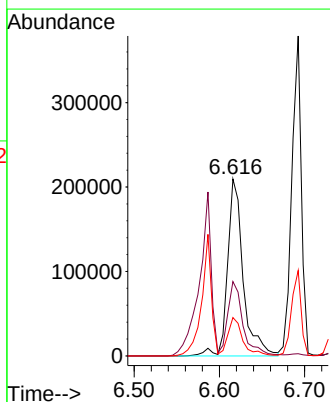
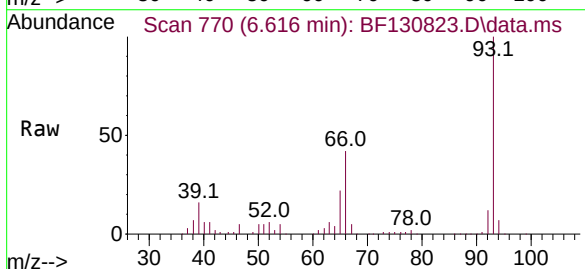
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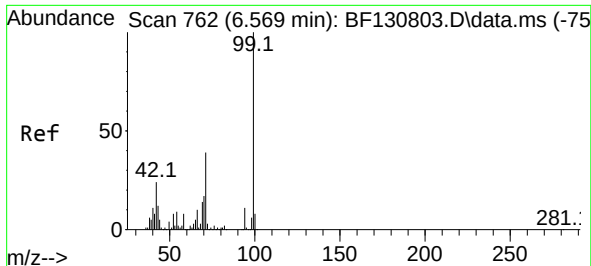
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#6  
Aniline  
Concen: 29.998 ng  
RT: 6.616 min Scan# 770  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

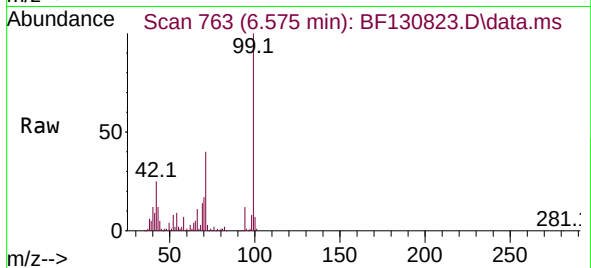
Tgt Ion: 93 Resp: 266767  
Ion Ratio Lower Upper  
93 100  
66 42.0 33.8 50.8  
65 21.7 17.2 25.8





#7  
Phenol-d6  
Concen: 115.247 ng  
RT: 6.575 min Scan# 762  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

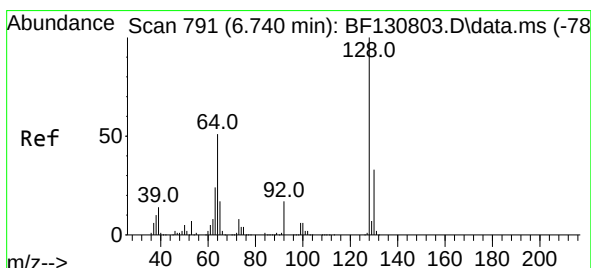
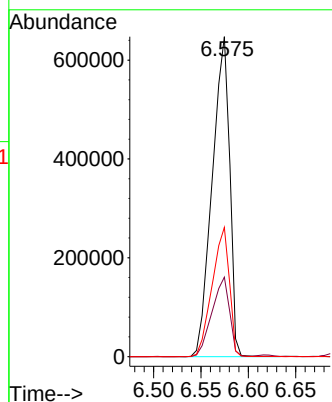
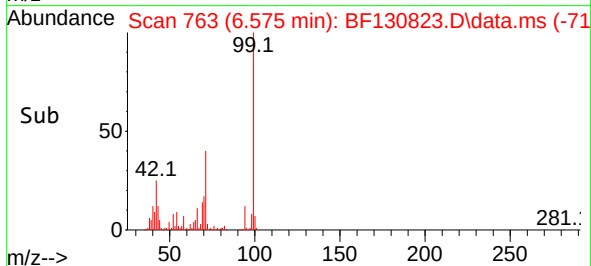
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 82882  
Ion Ratio Lower Upper  
99 100  
42 24.8 18.8 28.2  
71 40.4 31.4 47.0

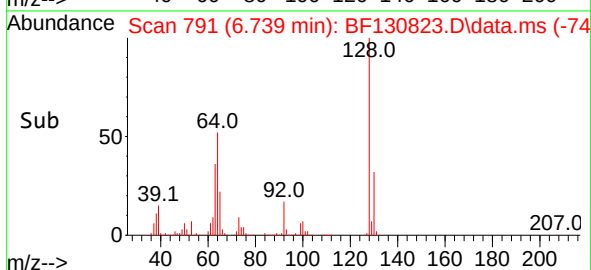
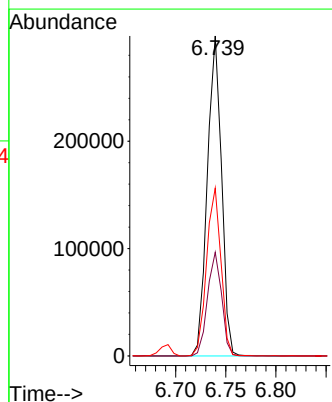
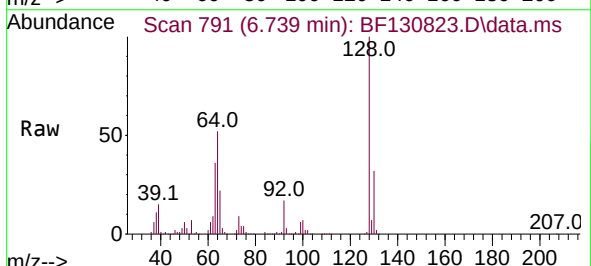
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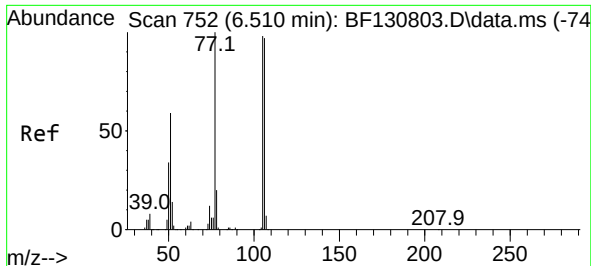
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#8  
2-Chlorophenol  
Concen: 47.510 ng  
RT: 6.739 min Scan# 791  
Delta R.T. -0.001 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

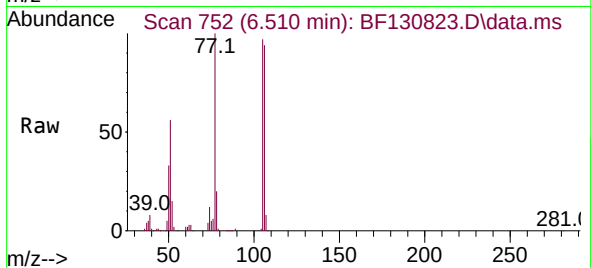
Tgt Ion:128 Resp: 292898  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.7 52.7  
64 52.4 31.3 71.3





#9  
Benzaldehyde  
Concen: 17.824 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

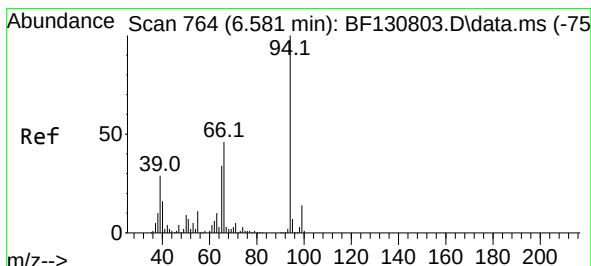
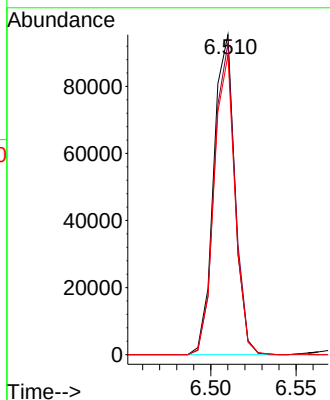
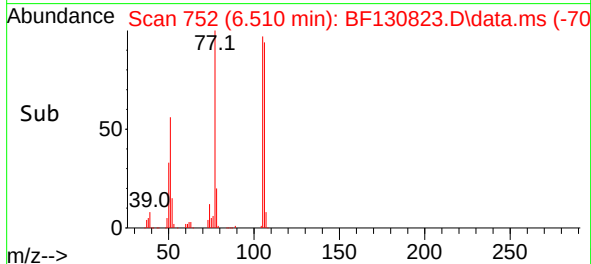
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion: 77 Resp: 82042  
Ion Ratio Lower Upper  
77 100  
105 97.3 78.2 118.2  
106 93.6 76.6 116.6

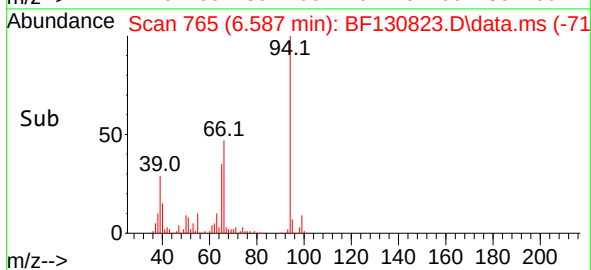
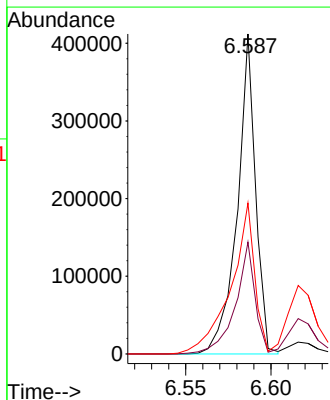
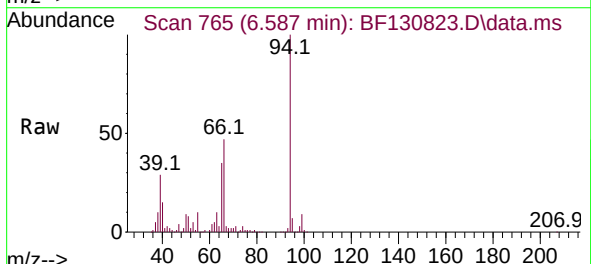
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

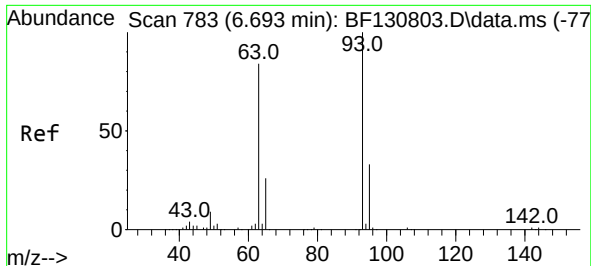


#10  
Phenol  
Concen: 39.761 ng  
RT: 6.587 min Scan# 765  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion: 94 Resp: 307717  
Ion Ratio Lower Upper  
94 100  
65 34.9 13.7 53.7  
66 47.1 26.5 66.5

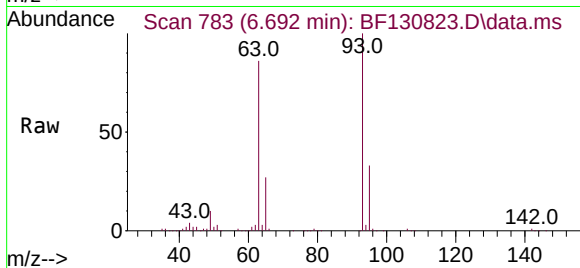






#11  
bis(2-Chloroethyl)ether  
Concen: 48.579 ng  
RT: 6.692 min Scan# 783  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

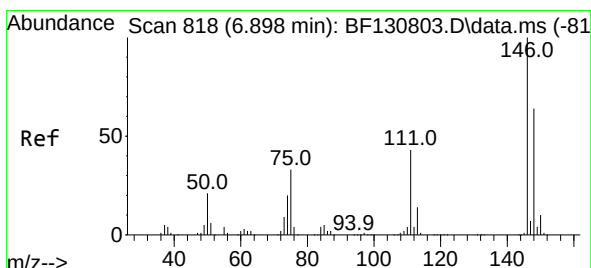
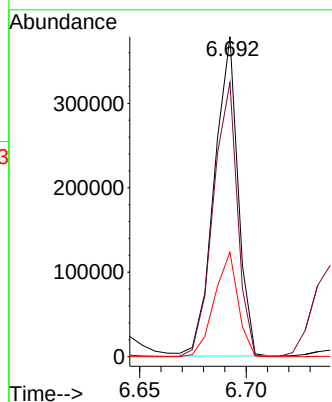
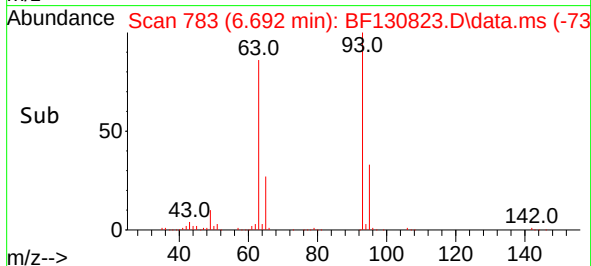
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion: 93 Resp: 293074  
Ion Ratio Lower Upper  
93 100  
63 85.7 63.4 103.4  
95 32.6 12.6 52.6

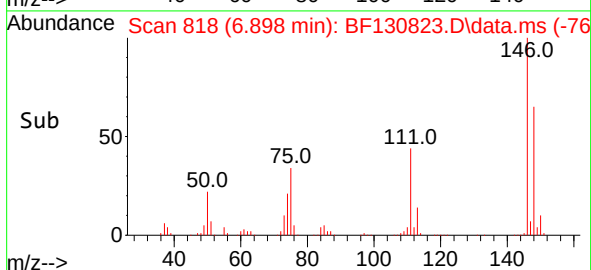
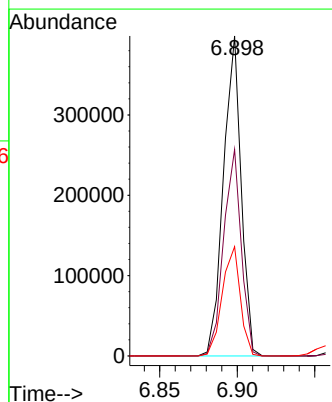
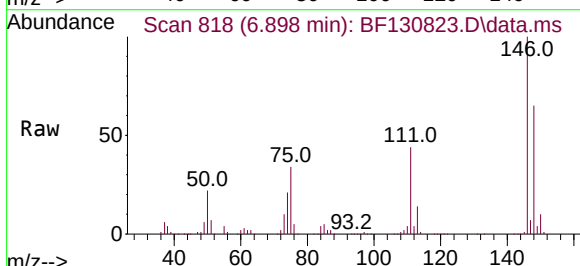
Manual Integrations  
APPROVED

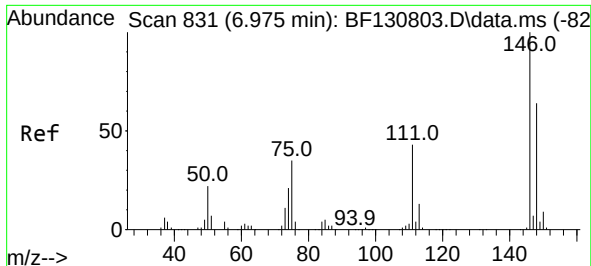
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#12  
1,3-Dichlorobenzene  
Concen: 45.258 ng  
RT: 6.898 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

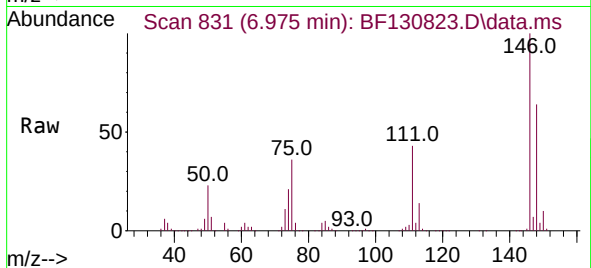
Tgt Ion:146 Resp: 316167  
Ion Ratio Lower Upper  
146 100  
148 64.5 51.4 77.0  
75 34.1 26.6 40.0





#13  
1,4-Dichlorobenzene  
Concen: 45.613 ng  
RT: 6.975 min Scan# 831  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

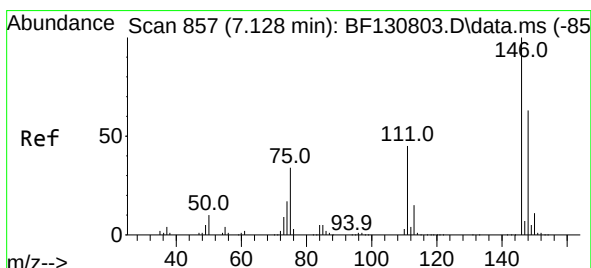
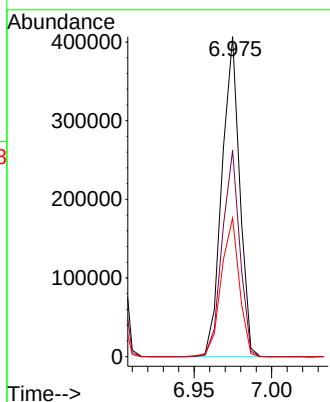
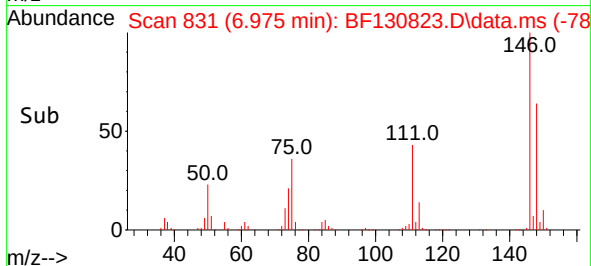
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



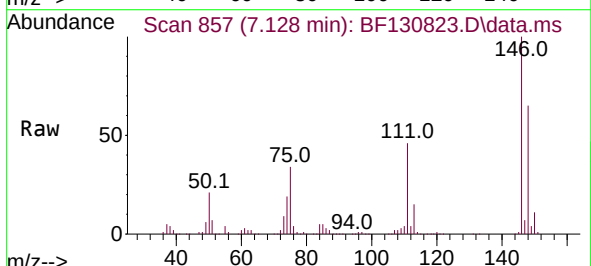
Tgt Ion:146 Resp: 323444  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.3 76.9  
111 43.3 34.6 51.8

Manual Integrations  
APPROVED

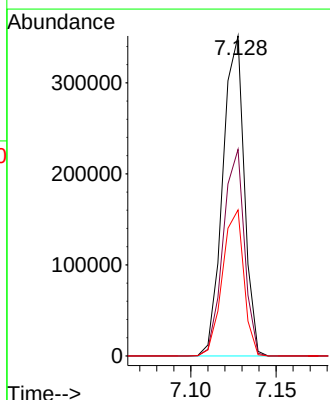
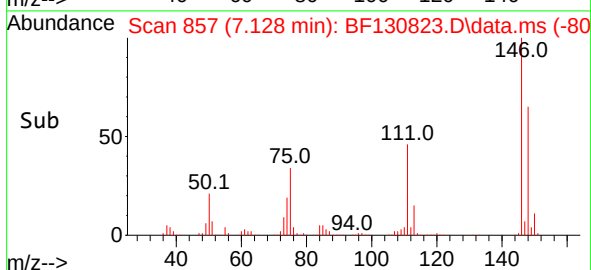
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

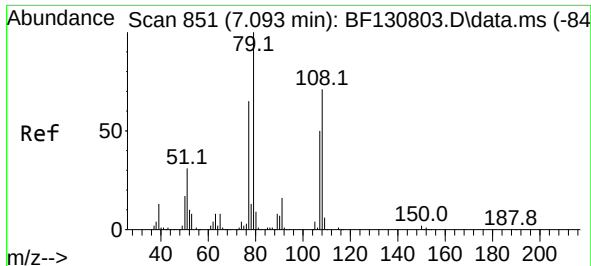


#14  
1,2-Dichlorobenzene  
Concen: 46.952 ng  
RT: 7.128 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



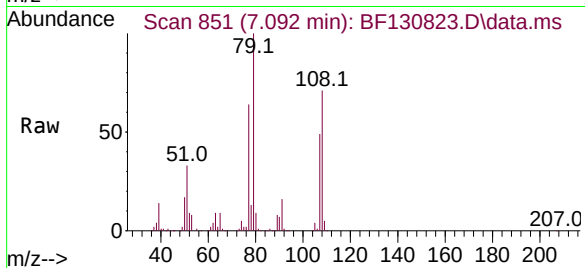
Tgt Ion:146 Resp: 308347  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.6 76.0  
111 45.6 36.3 54.5





#15  
Benzyl Alcohol  
Concen: 44.949 ng  
RT: 7.092 min Scan# 851  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

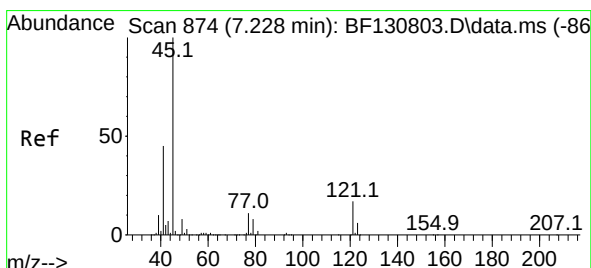
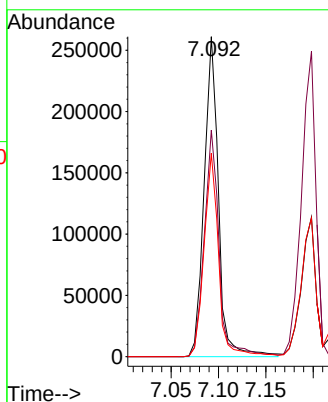
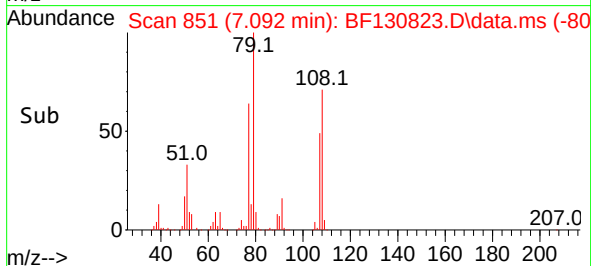
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



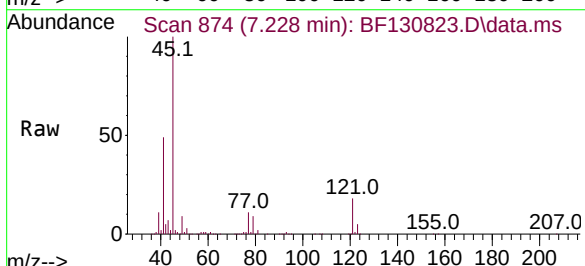
Tgt Ion: 79 Resp: 274873  
Ion Ratio Lower Upper  
79 100  
108 70.8 56.4 84.6  
77 63.6 51.8 77.8

Manual Integrations  
APPROVED

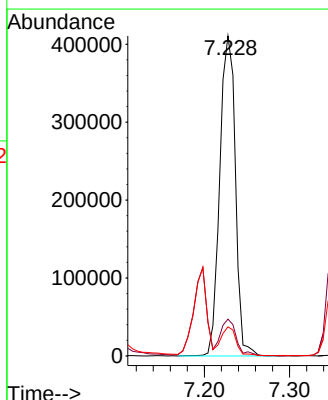
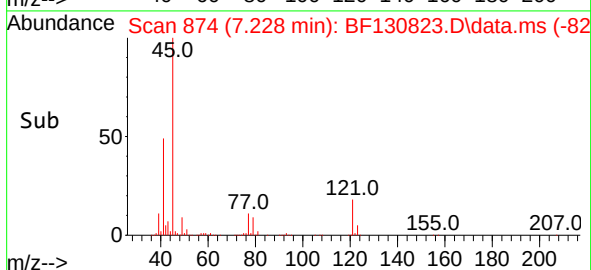
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

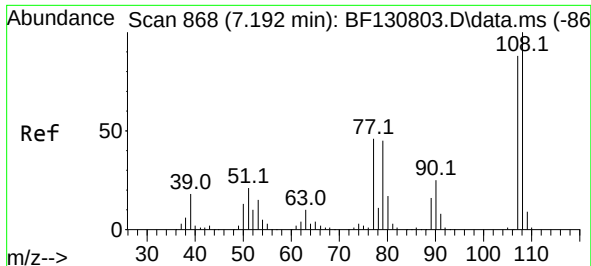


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.529 ng  
RT: 7.228 min Scan# 874  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



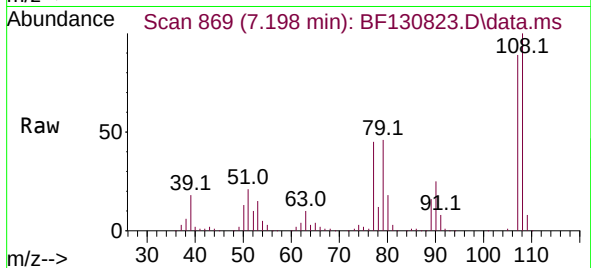
Tgt Ion: 45 Resp: 521869  
Ion Ratio Lower Upper  
45 100  
77 11.5 0.0 31.2  
79 9.1 0.0 28.4





#17  
2-Methylphenol  
Concen: 44.215 ng  
RT: 7.198 min Scan# 868  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

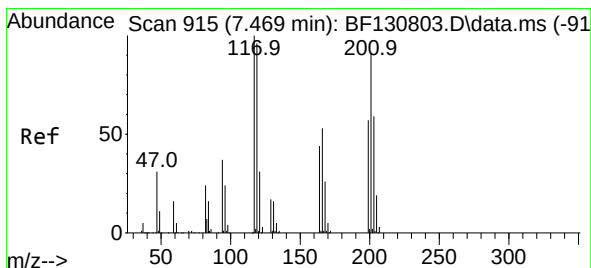
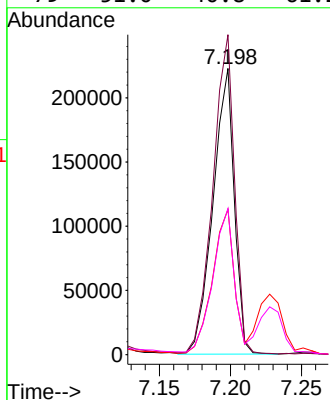
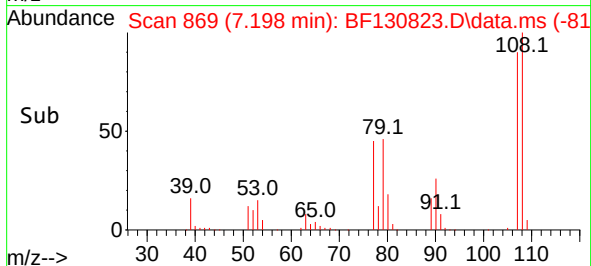
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:107 Resp: 232983  
Ion Ratio Lower Upper  
107 100  
108 111.8 90.5 135.7  
77 50.8 41.2 61.8  
79 51.0 40.8 61.2

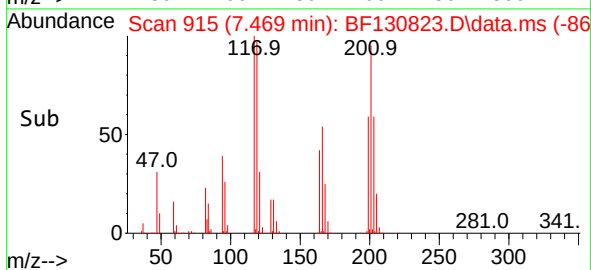
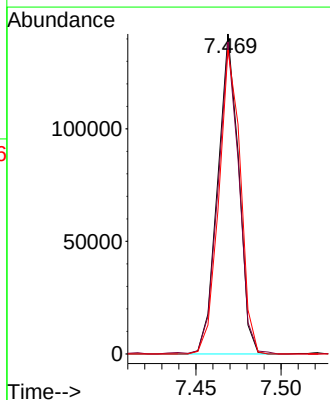
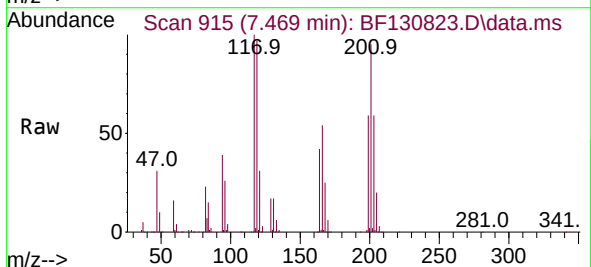
Manual Integrations  
APPROVED

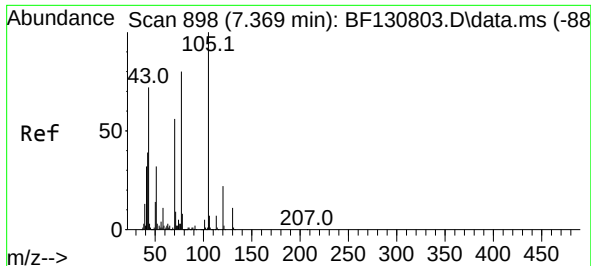
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#18  
Hexachloroethane  
Concen: 47.132 ng  
RT: 7.469 min Scan# 915  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

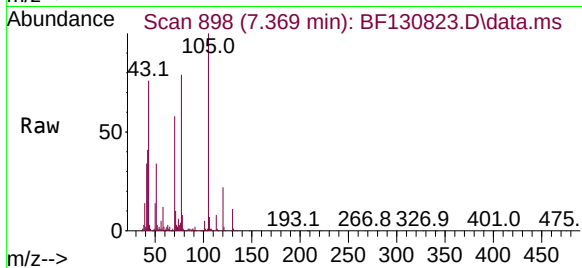
Tgt Ion:117 Resp: 120789  
Ion Ratio Lower Upper  
117 100  
119 97.5 77.1 115.7  
201 95.0 72.9 109.3





#19  
n-Nitroso-di-n-propylamine  
Concen: 45.281 ng  
RT: 7.369 min Scan# 898  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

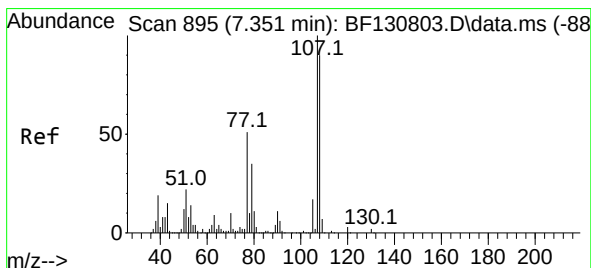
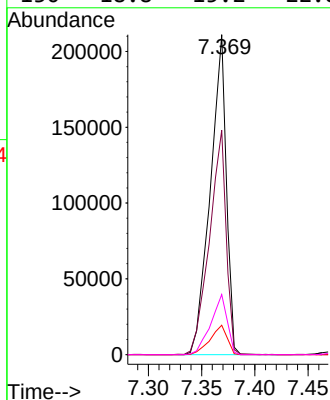
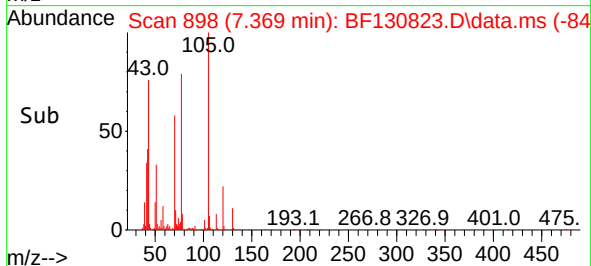
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion: 70 Resp: 221569  
Ion Ratio Lower Upper  
70 100  
42 70.1 56.1 84.1  
101 9.2 7.3 10.9  
130 18.8 15.2 22.8

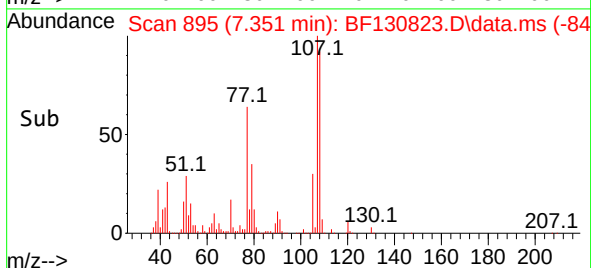
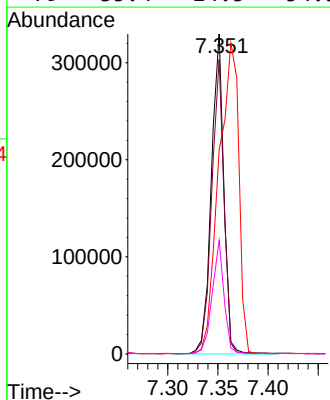
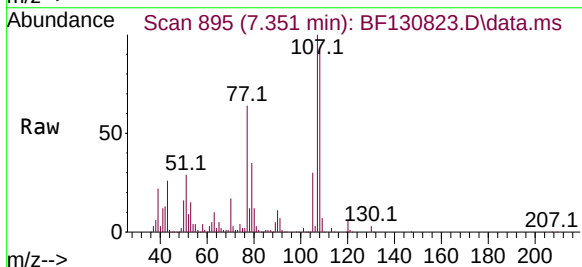
Manual Integrations  
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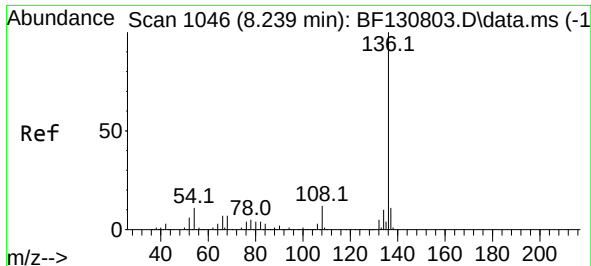
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#20  
3+4-Methylphenols  
Concen: 41.650 ng  
RT: 7.351 min Scan# 895  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion:107 Resp: 285353  
Ion Ratio Lower Upper  
107 100  
108 92.0 70.4 110.4  
77 63.8 31.1 71.1  
79 35.4 14.5 54.5





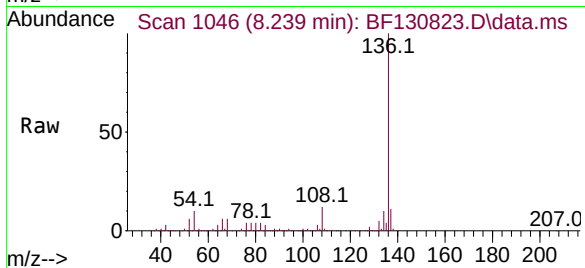
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.239 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

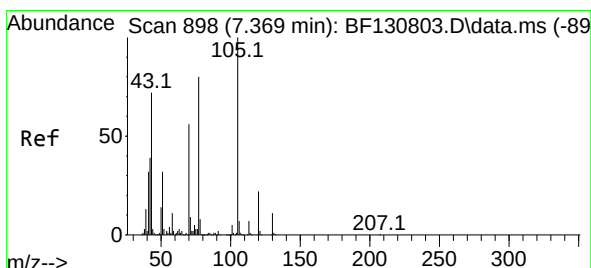
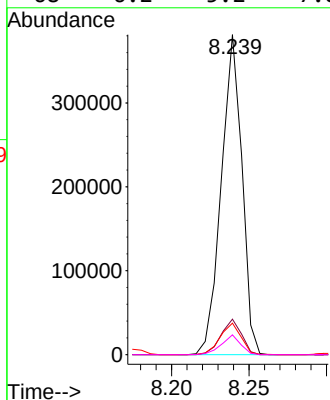
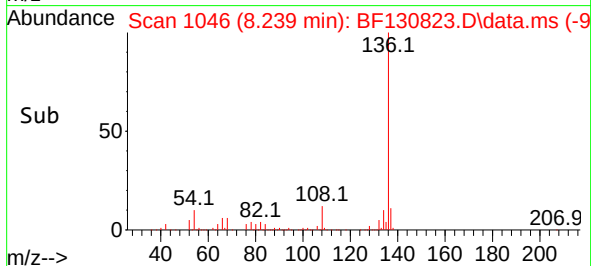


Tgt Ion:136 Resp: 353509  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.2 13.8  
54 9.8 8.8 13.2  
68 6.2 5.2 7.8

Manual Integrations

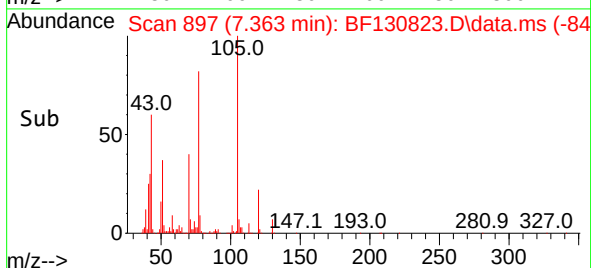
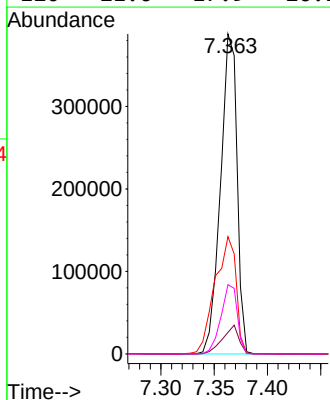
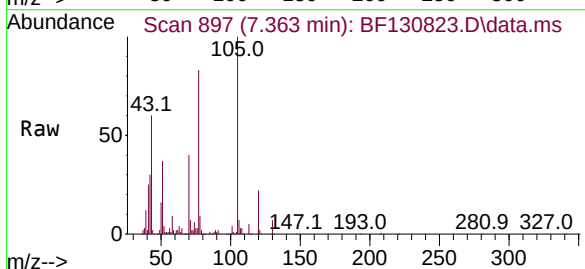
APPROVED

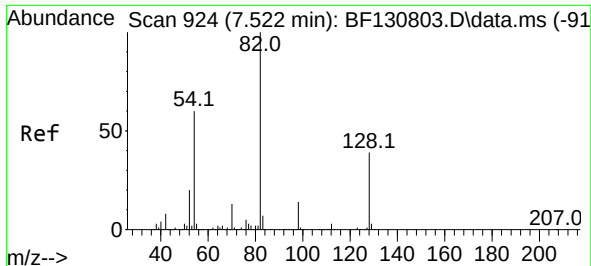
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#22  
Acetophenone  
Concen: 49.148 ng  
RT: 7.363 min Scan# 897  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

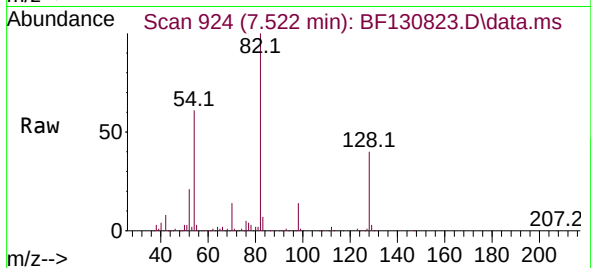
Tgt Ion:105 Resp: 421242  
Ion Ratio Lower Upper  
105 100  
71 6.7 7.2 10.8#  
51 36.6 25.9 38.9  
120 21.6 17.9 26.9





#23  
Nitrobenzene-d5  
Concen: 103.732 ng  
RT: 7.522 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

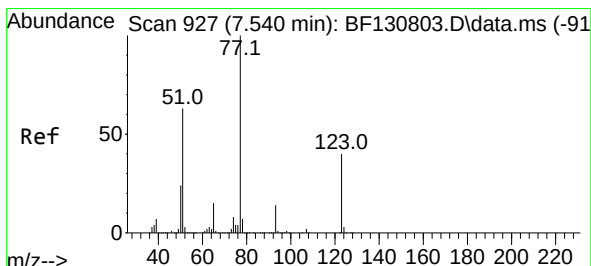
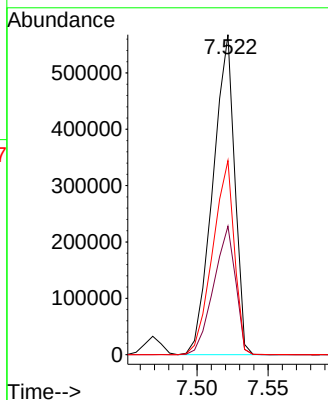
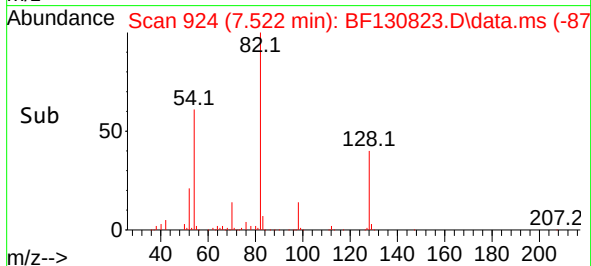
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion: 82 Resp: 608140  
Ion Ratio Lower Upper  
82 100  
128 40.1 31.2 46.8  
54 60.6 48.0 72.0

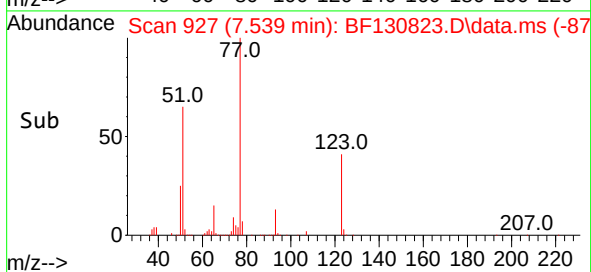
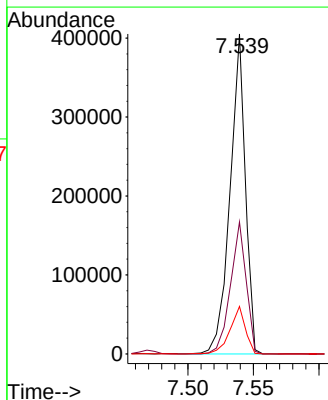
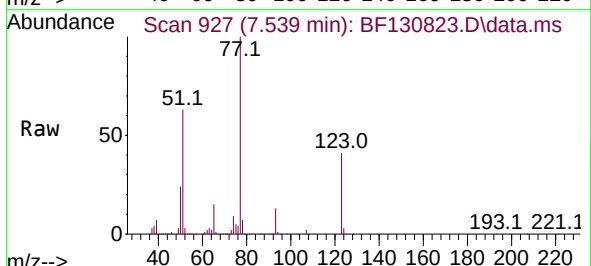
Manual Integrations  
APPROVED

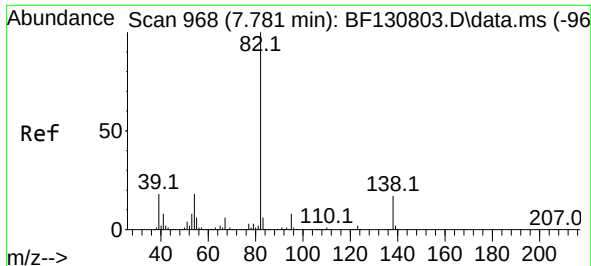
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#24  
Nitrobenzene  
Concen: 51.352 ng  
RT: 7.539 min Scan# 927  
Delta R.T. -0.001 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

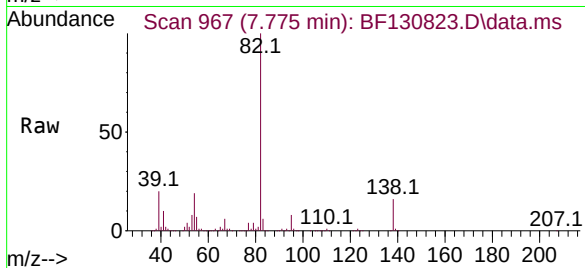
Tgt Ion: 77 Resp: 329198  
Ion Ratio Lower Upper  
77 100  
123 41.2 32.2 48.2  
65 14.8 12.0 18.0





#25  
Isophorone  
Concen: 48.478 ng  
RT: 7.775 min Scan# 90  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

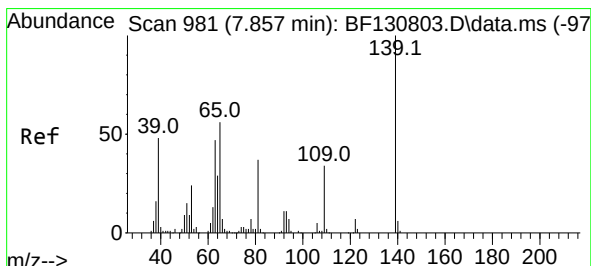
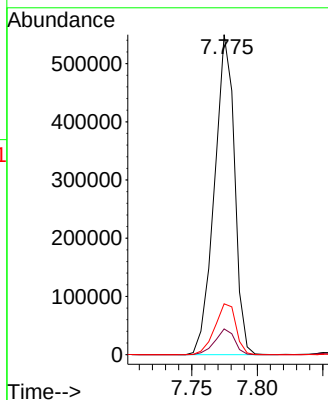
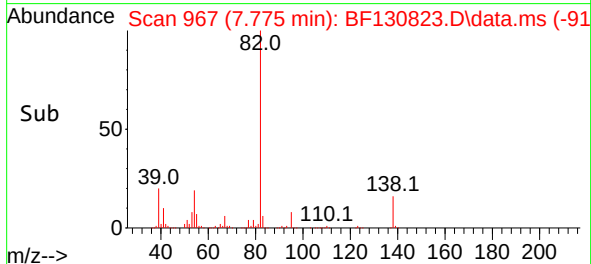
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion: 82 Resp: 586080  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.2 9.4  
138 15.9 13.8 20.6

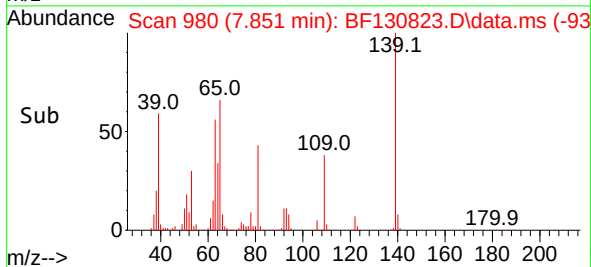
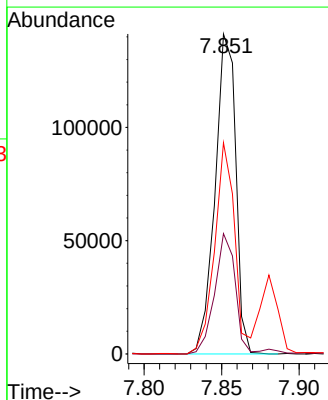
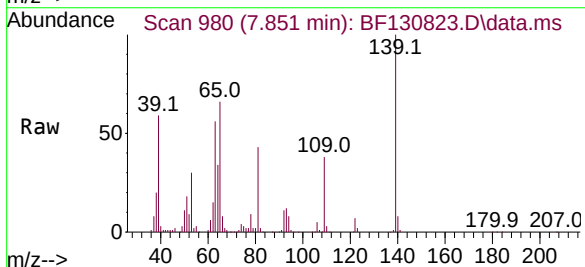
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

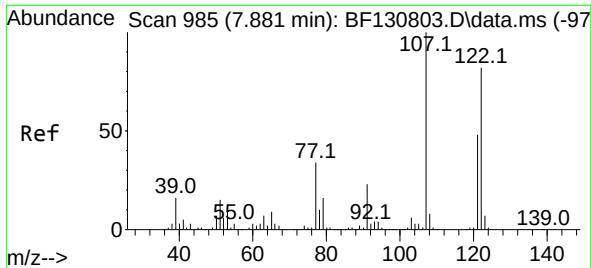


#26  
2-Nitrophenol  
Concen: 51.872 ng  
RT: 7.851 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion:139 Resp: 132018  
Ion Ratio Lower Upper  
139 100  
109 37.6 27.3 40.9  
65 66.0 44.6 67.0







#27

2,4-Dimethylphenol

Concen: 51.383 ng

RT: 7.881 min Scan# 985

Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

Tgt Ion:122 Resp: 258529

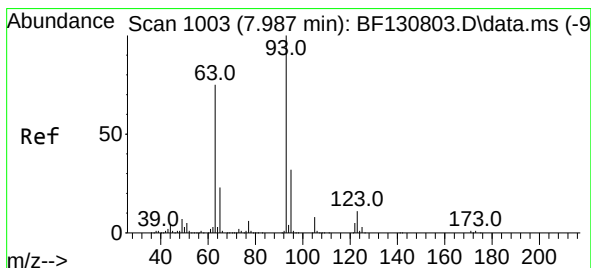
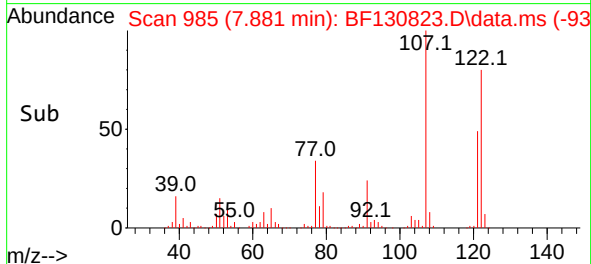
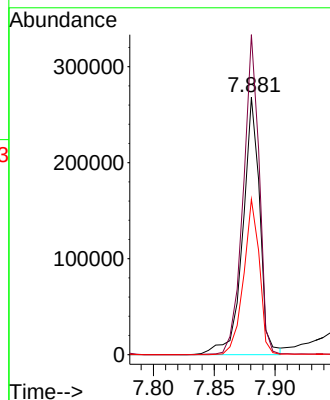
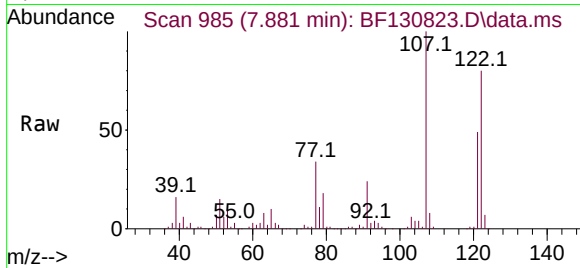
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 124.3 | 97.1  | 145.7 |
| 121 | 60.3  | 46.9  | 70.3  |

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#28

bis(2-Chloroethoxy)methane

Concen: 52.576 ng

RT: 7.986 min Scan# 1003

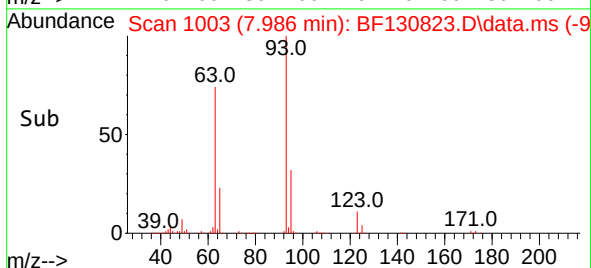
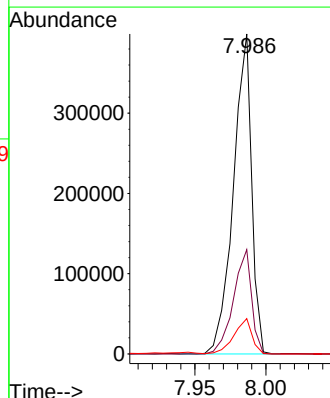
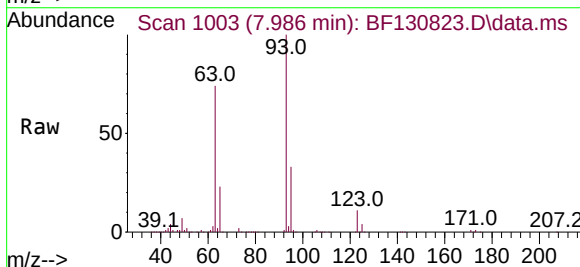
Delta R.T. -0.000 min

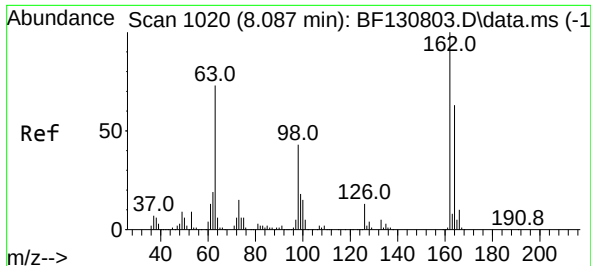
Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Tgt Ion: 93 Resp: 354982

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 32.6  | 25.7  | 38.5  |
| 123 | 11.0  | 9.4   | 14.0  |





#29

2,4-Dichlorophenol

Concen: 45.586 ng

RT: 8.086 min Scan# 1020

Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

Tgt Ion:162 Resp: 235948

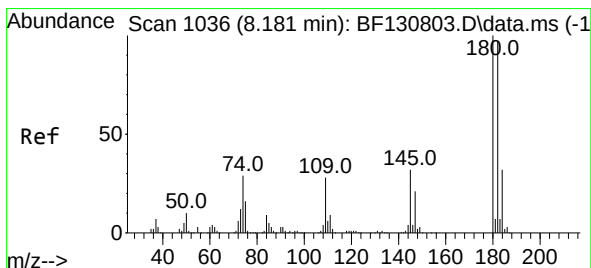
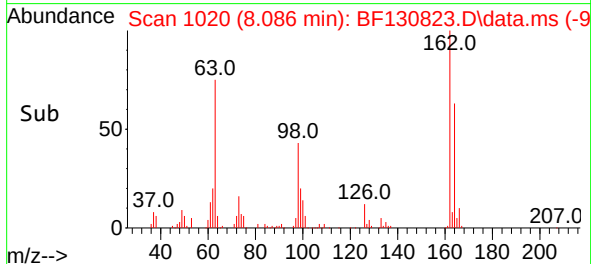
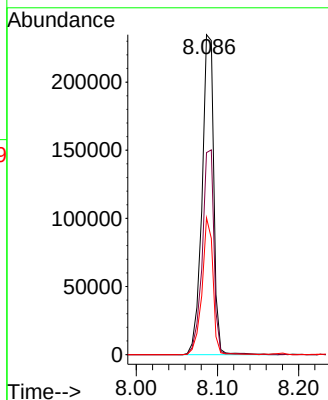
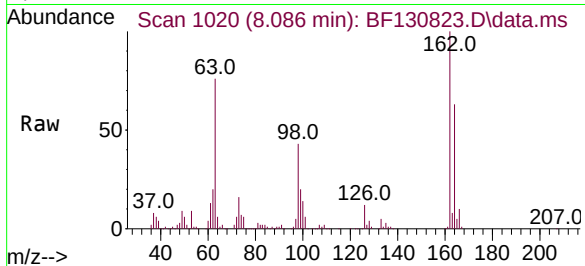
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 162 | 100   |       |       |
| 164 | 63.1  | 43.2  | 83.2  |
| 98  | 42.7  | 22.8  | 62.8  |

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#30

1,2,4-Trichlorobenzene

Concen: 46.485 ng

RT: 8.175 min Scan# 1035

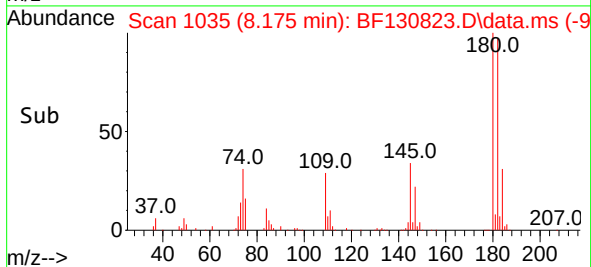
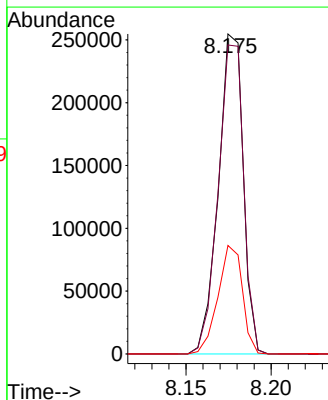
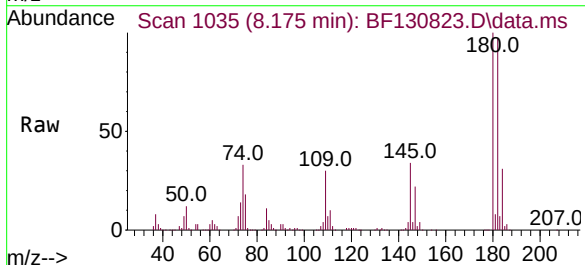
Delta R.T. -0.006 min

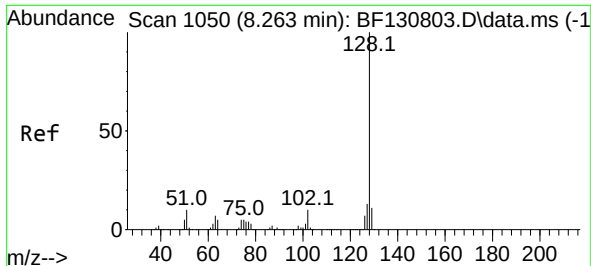
Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Tgt Ion:180 Resp: 258719

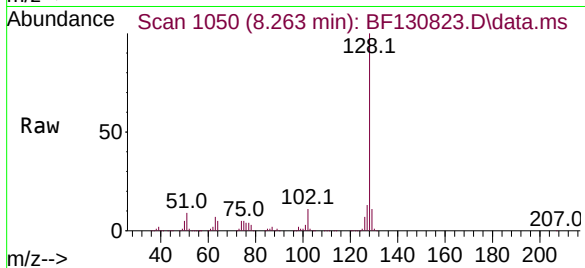
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.5  | 77.7  | 116.5 |
| 145 | 33.9  | 25.9  | 38.9  |





#31  
Naphthalene  
Concen: 45.677 ng  
RT: 8.263 min Scan# 1050  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

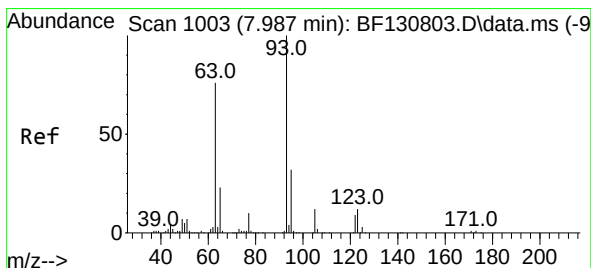
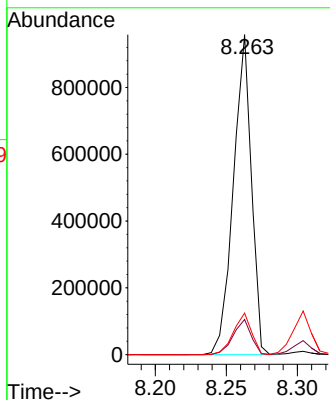
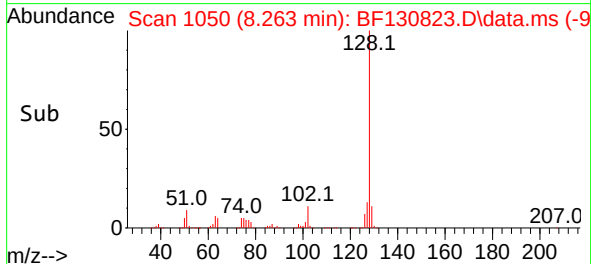
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:128 Resp: 842453  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.0 10.6 16.0

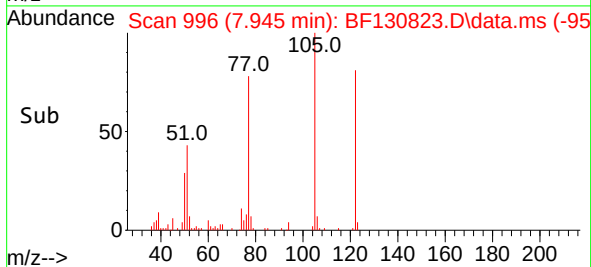
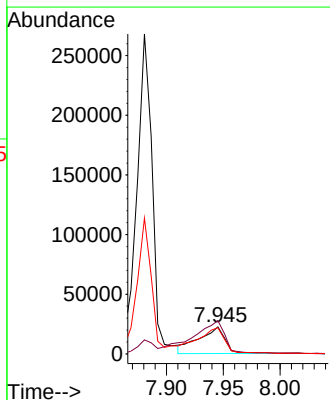
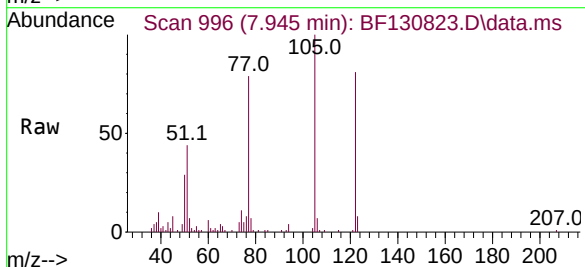
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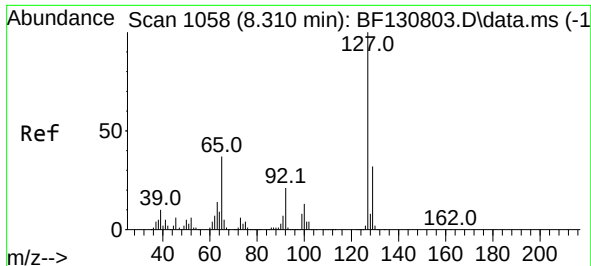
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#32  
Benzoic acid  
Concen: 16.210 ng  
RT: 7.945 min Scan# 996  
Delta R.T. -0.042 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

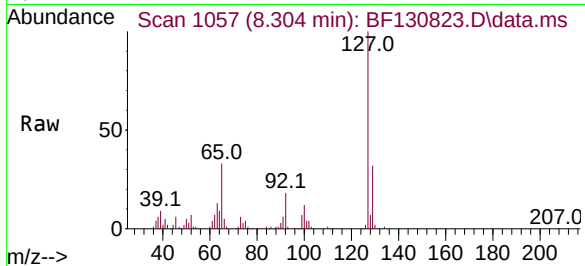
Tgt Ion:122 Resp: 36312  
Ion Ratio Lower Upper  
122 100  
105 123.0 114.5 154.5  
77 97.2 89.8 129.8





#33  
4-Chloroaniline  
Concen: 16.138 ng  
RT: 8.304 min Scan# 1058  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

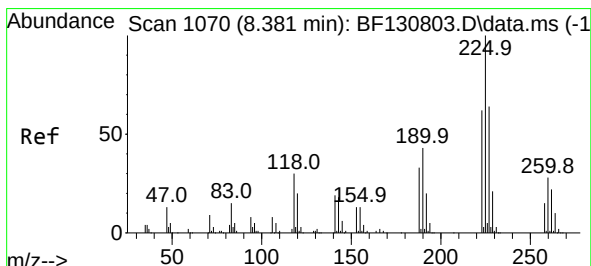
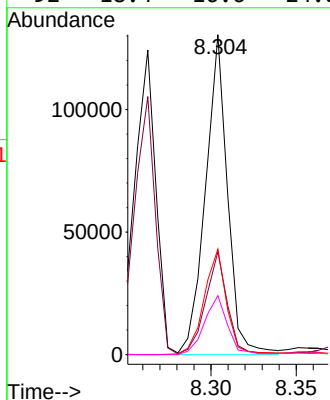
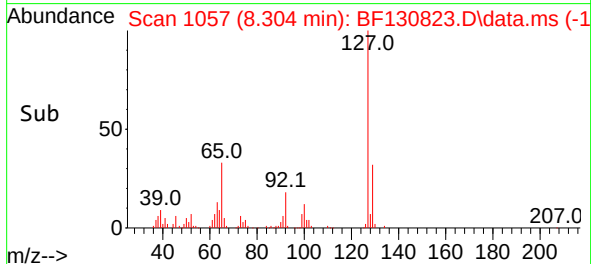
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:127 Resp: 117613  
Ion Ratio Lower Upper  
127 100  
129 32.1 25.6 38.4  
65 33.0 29.4 44.2  
92 18.4 16.6 24.8

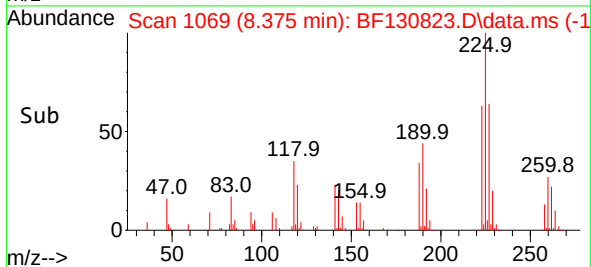
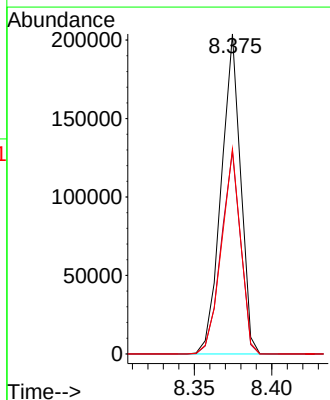
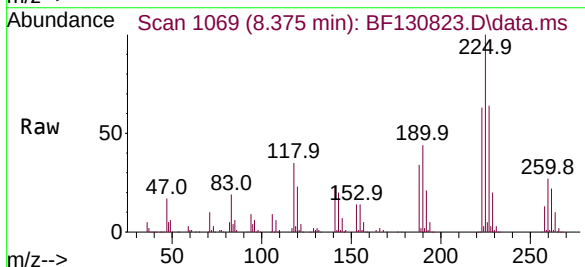
Manual Integrations  
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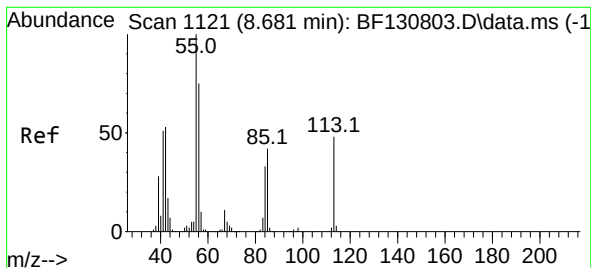
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#34  
Hexachlorobutadiene  
Concen: 47.932 ng  
RT: 8.375 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion:225 Resp: 177092  
Ion Ratio Lower Upper  
225 100  
223 63.3 49.9 74.9  
227 64.1 51.5 77.3





#35

Caprolactam

Concen: 35.116 ng m

RT: 8.663 min Scan# 1121

Delta R.T. -0.018 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

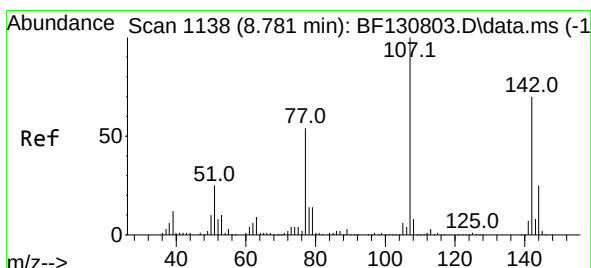
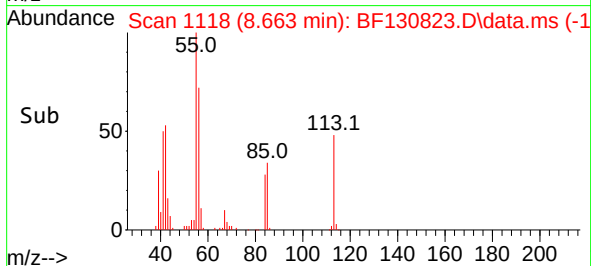
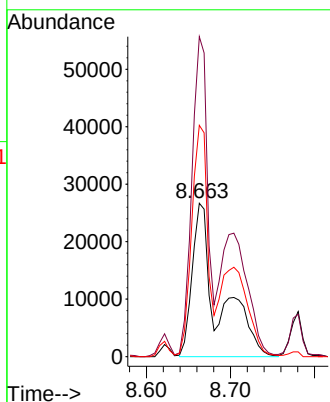
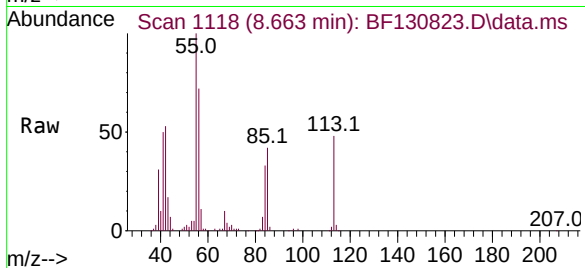
OK-03-102422MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 58244 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 208.6 | 187.0 | 227.0 |
| 56        | 150.8 | 134.2 | 174.2 |

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#36

4-Chloro-3-methylphenol

Concen: 43.433 ng

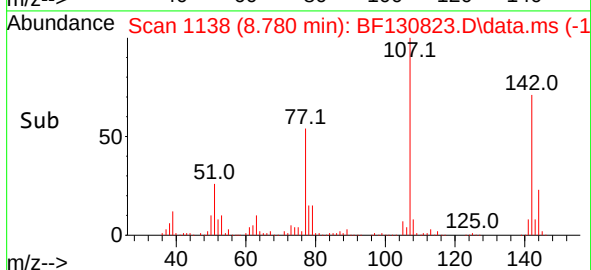
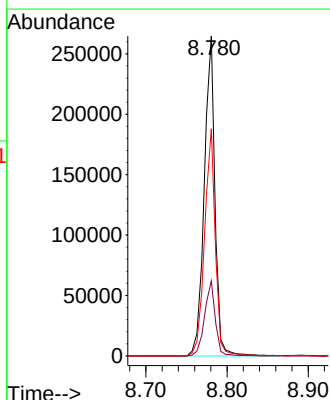
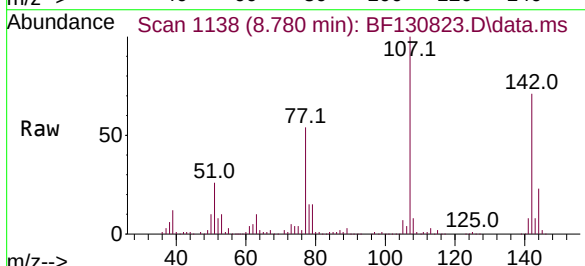
RT: 8.780 min Scan# 1138

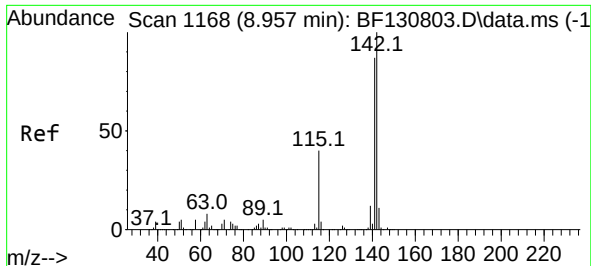
Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 243845 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 23.4  | 19.8  | 29.8   |
| 142       | 71.0  | 56.0  | 84.0   |





#37

2-Methylnaphthalene

Concen: 45.253 ng

RT: 8.957 min Scan# 1168

Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

Tgt Ion:142 Resp: 525005

Ion Ratio Lower Upper

142 100

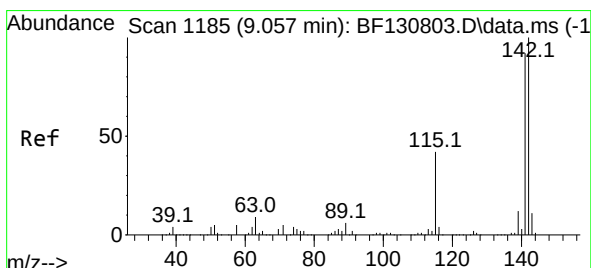
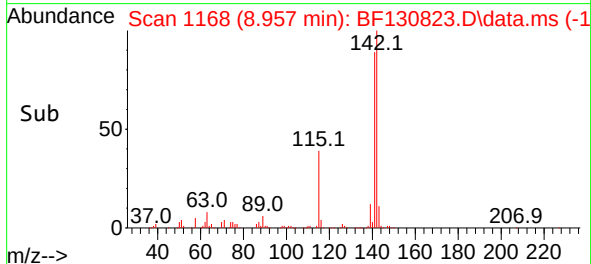
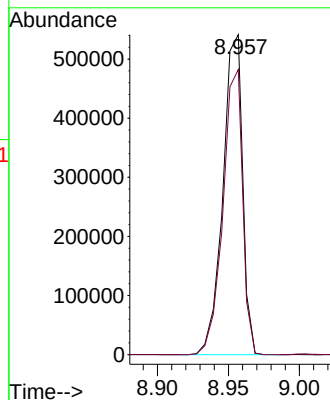
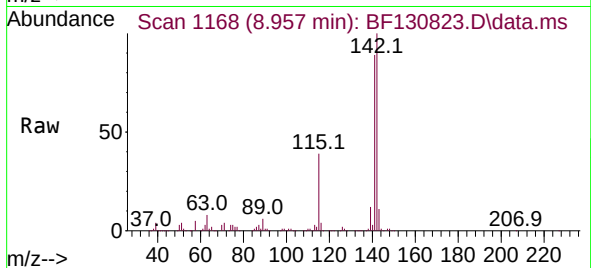
141 89.1 69.9 104.9

Manual Integrations

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Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#38

1-Methylnaphthalene

Concen: 44.314 ng

RT: 9.057 min Scan# 1185

Delta R.T. -0.000 min

Lab File: BF130823.D

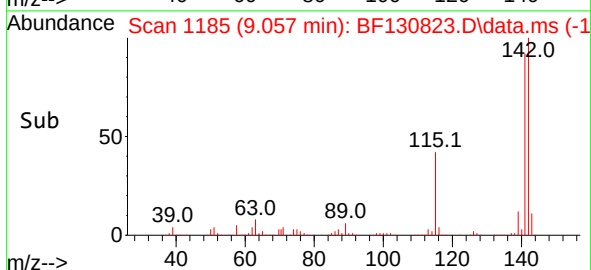
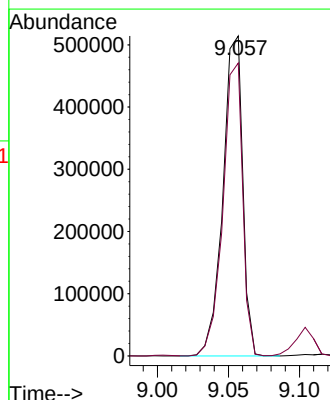
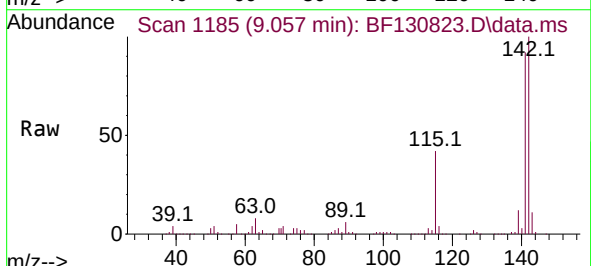
Acq: 28 Oct 2022 12:54

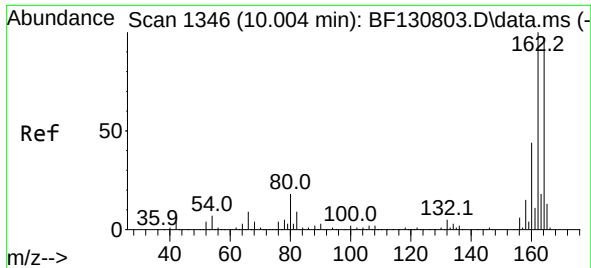
Tgt Ion:142 Resp: 500326

Ion Ratio Lower Upper

142 100

141 91.5 73.5 110.3





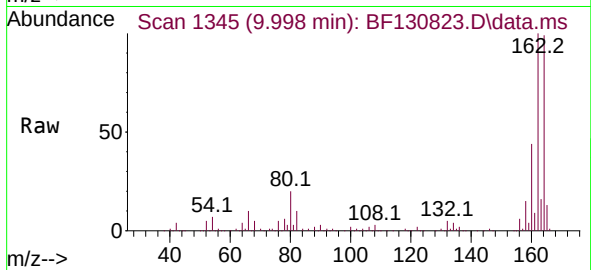
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.998 min Scan# 1345  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

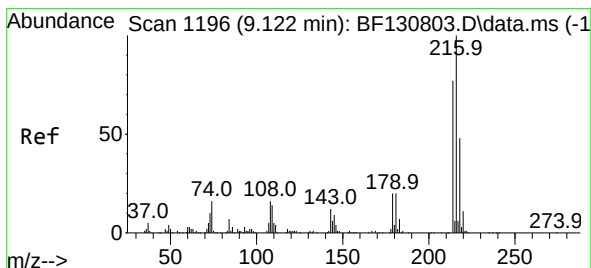
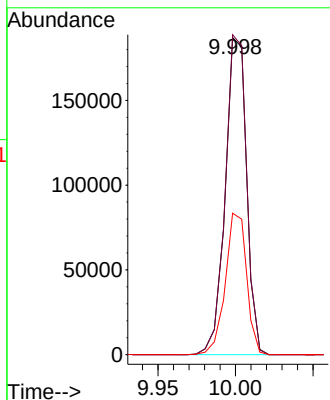
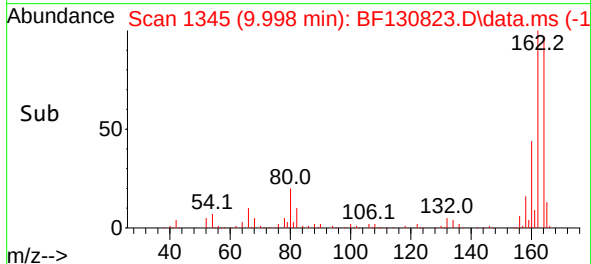


Tgt Ion:164 Resp: 179268  
Ion Ratio Lower Upper  
164 100  
162 100.9 82.2 123.2  
160 44.6 36.6 54.8

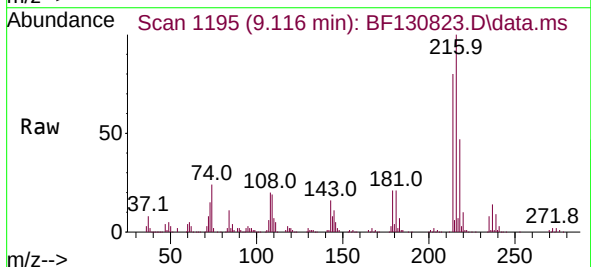
Manual Integrations

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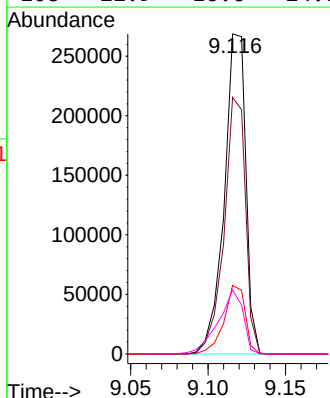
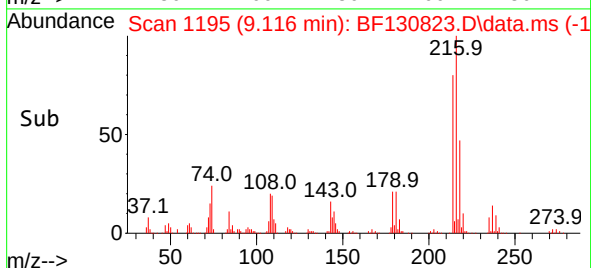
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

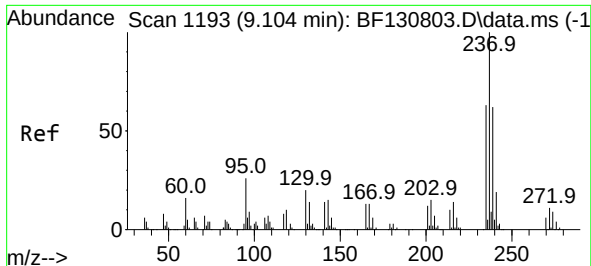


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 51.586 ng  
RT: 9.116 min Scan# 1195  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



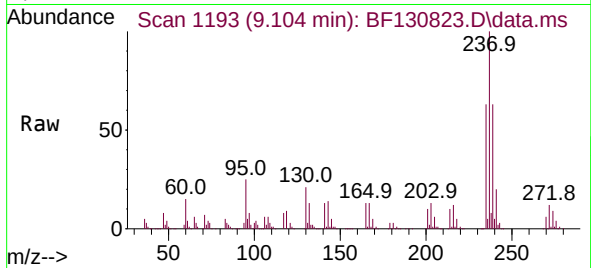
Tgt Ion:216 Resp: 262248  
Ion Ratio Lower Upper  
216 100  
214 79.0 62.7 94.1  
179 21.0 16.9 25.3  
108 22.9 16.6 24.8





#41  
Hexachlorocyclopentadiene  
Concen: 120.141 ng  
RT: 9.104 min Scan# 1193  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

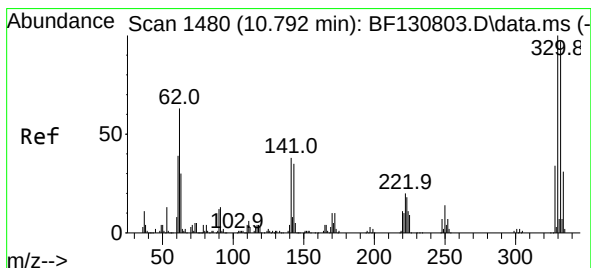
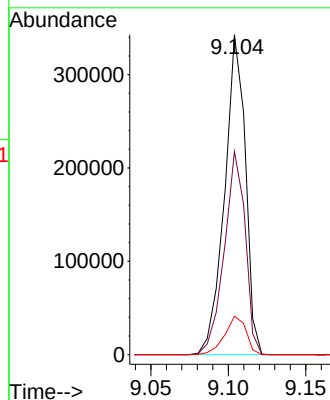
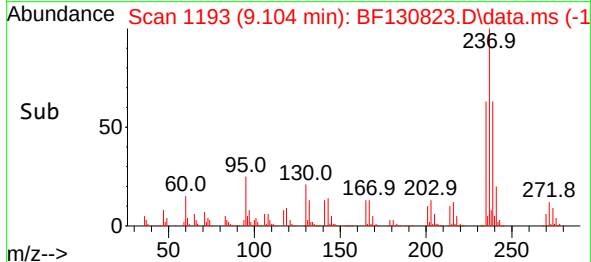
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



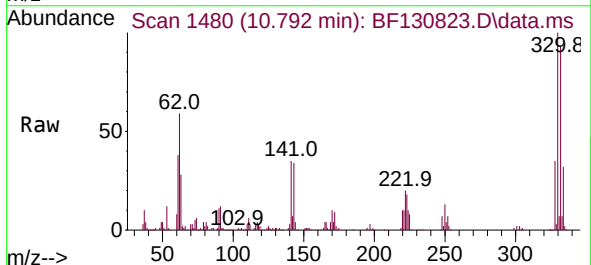
Tgt Ion: 237 Resp: 320910  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.5 83.5  
272 12.0 0.0 31.4

Manual Integrations  
APPROVED

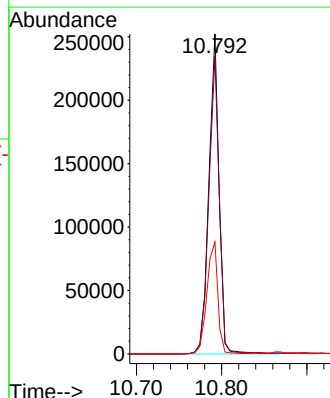
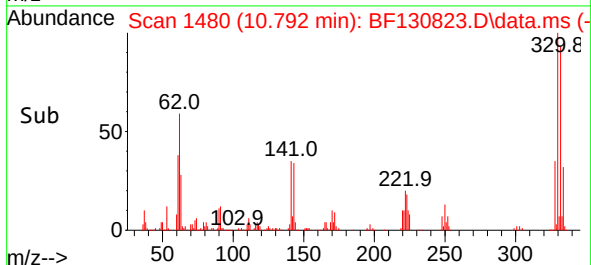
Reviewed By : Christian Giraldo 10/31/2022  
Supervised By : Jagrut Upadhyay 11/01/2022



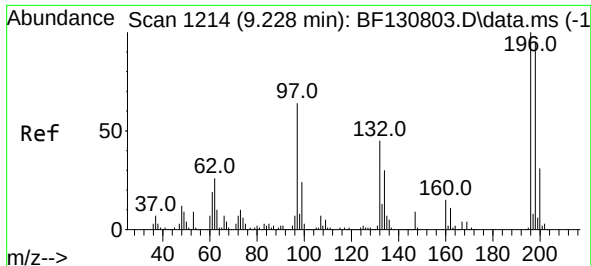
#42  
2,4,6-Tribromophenol  
Concen: 139.656 ng  
RT: 10.792 min Scan# 1480  
Delta R.T. 0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion: 330 Resp: 210751  
Ion Ratio Lower Upper  
330 100  
332 94.8 76.2 114.4  
141 37.5 31.4 47.0

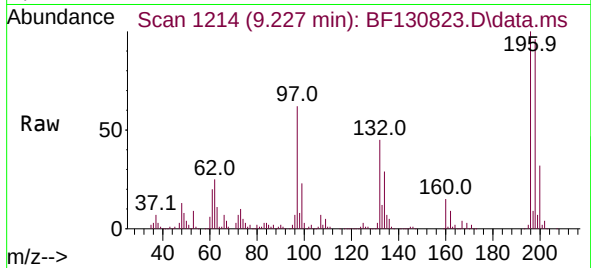






#43  
2,4,6-Trichlorophenol  
Concen: 47.446 ng  
RT: 9.227 min Scan# 1214  
Delta R.T. -0.001 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

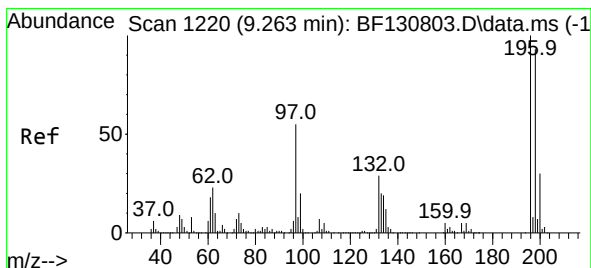
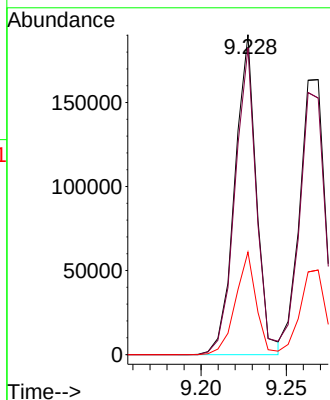
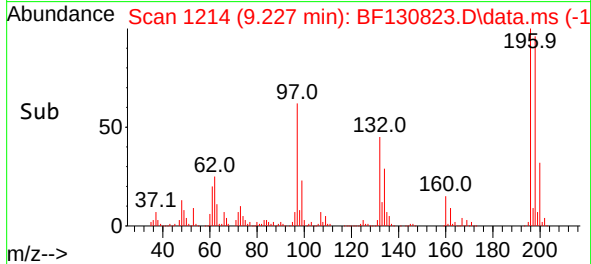
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



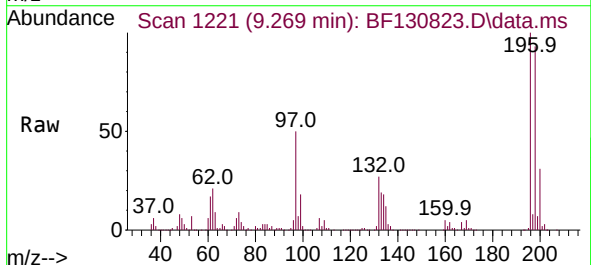
Tgt Ion:196 Resp: 167602  
Ion Ratio Lower Upper  
196 100  
198 95.9 76.1 114.1  
200 32.0 24.5 36.7

Manual Integrations  
APPROVED

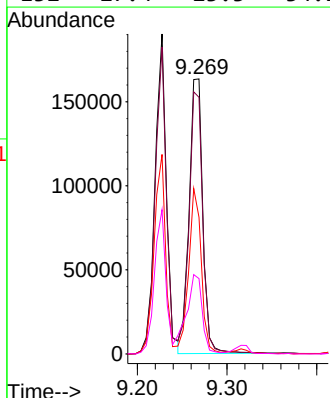
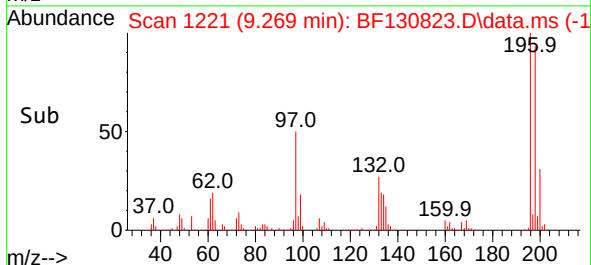
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

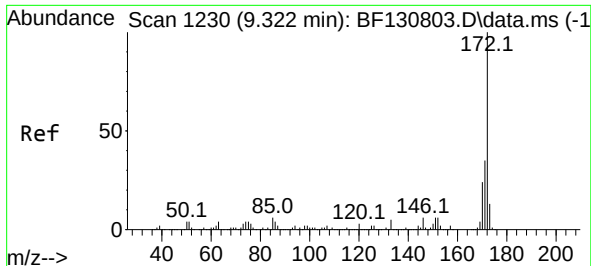


#44  
2,4,5-Trichlorophenol  
Concen: 46.021 ng  
RT: 9.269 min Scan# 1221  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:196 Resp: 173688  
Ion Ratio Lower Upper  
196 100  
198 93.3 74.6 112.0  
97 49.7 44.7 67.1  
132 27.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 89.918 ng

RT: 9.316 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BF130823.D

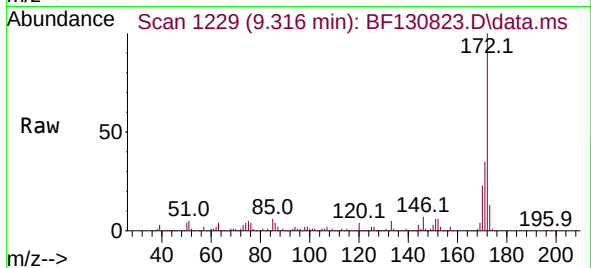
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD



Tgt Ion:172 Resp: 1066186

Ion Ratio Lower Upper

172 100

171 34.8 28.1 42.1

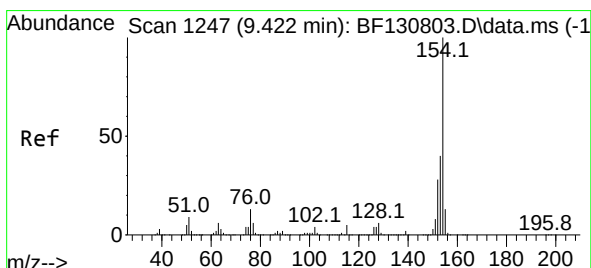
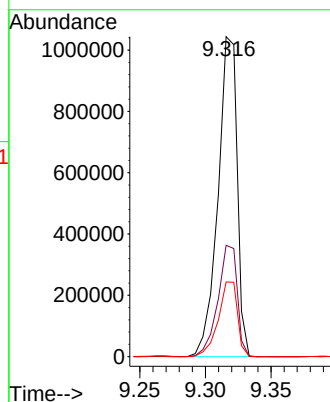
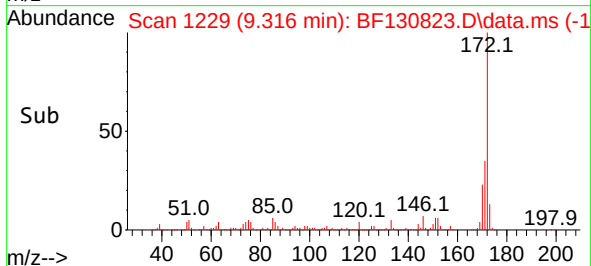
170 23.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#46

1,1'-Biphenyl

Concen: 50.540 ng

RT: 9.422 min Scan# 1247

Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

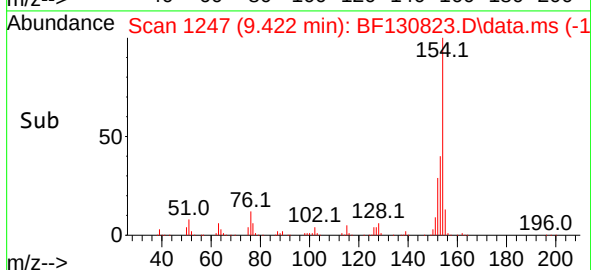
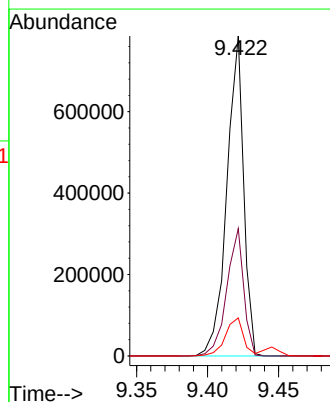
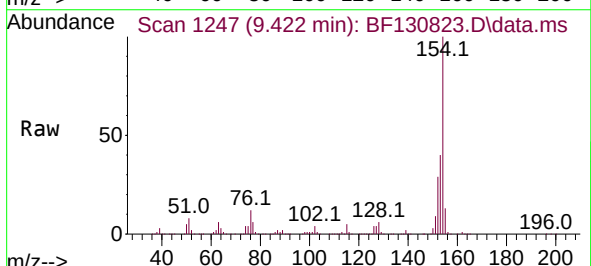
Tgt Ion:154 Resp: 645490

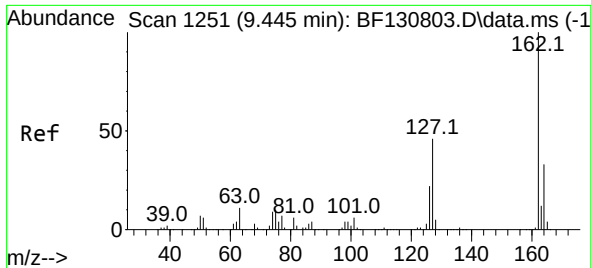
Ion Ratio Lower Upper

154 100

153 39.8 19.9 59.9

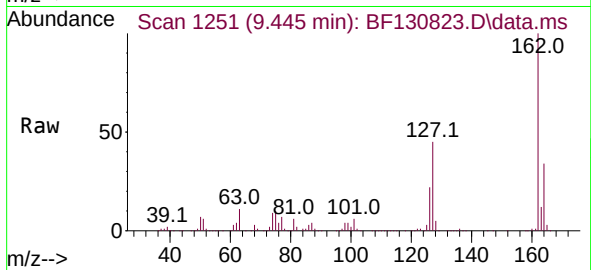
76 11.9 0.0 32.5





#47  
2-Chloronaphthalene  
Concen: 48.298 ng  
RT: 9.445 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

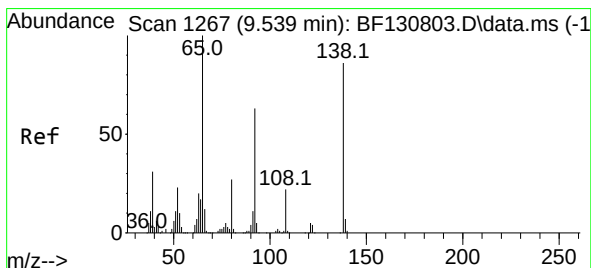
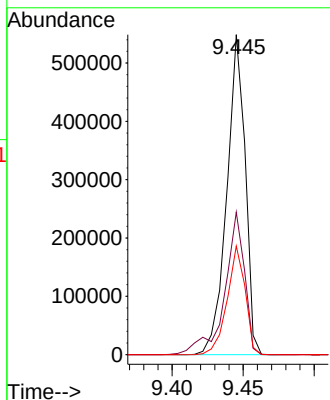
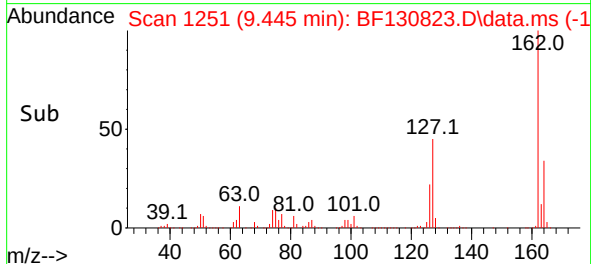
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:162 Resp: 494639  
Ion Ratio Lower Upper  
162 100  
127 44.5 36.6 54.8  
164 33.9 26.5 39.7

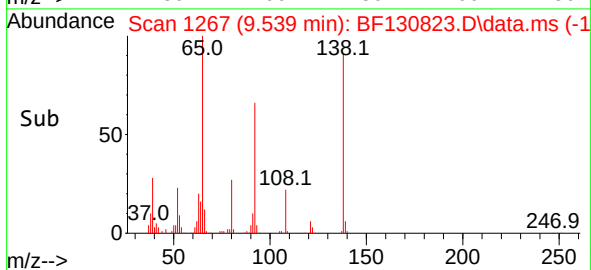
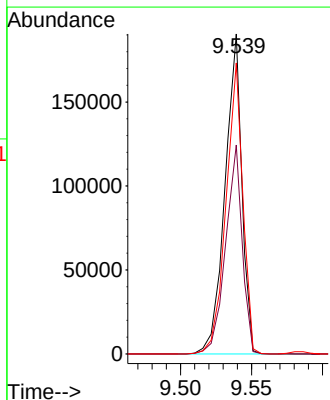
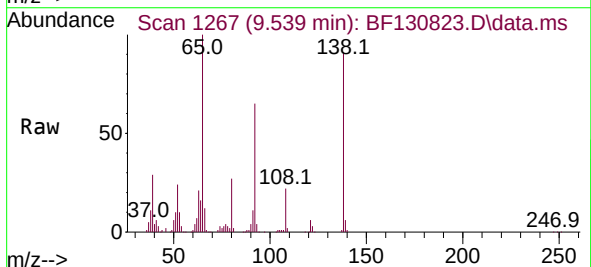
Manual Integrations  
APPROVED

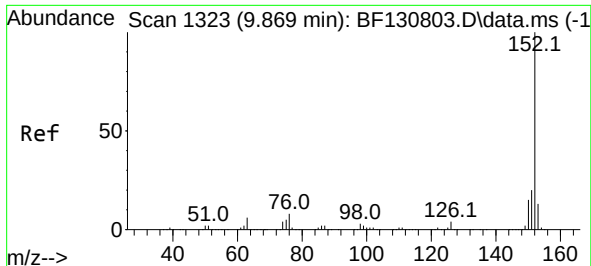
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#48  
2-Nitroaniline  
Concen: 47.768 ng  
RT: 9.539 min Scan# 1267  
Delta R.T. 0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion: 65 Resp: 157236  
Ion Ratio Lower Upper  
65 100  
92 65.3 50.1 75.1  
138 90.9 69.2 103.8





#49

Acenaphthylene

Concen: 46.578 ng

RT: 9.863 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

Tgt Ion:152 Resp: 75381

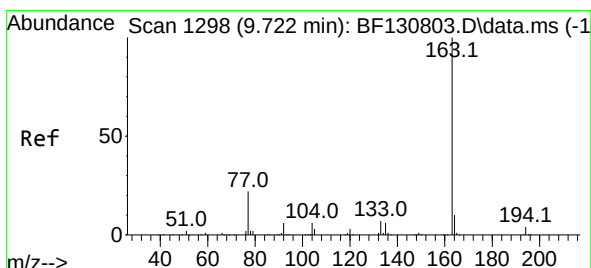
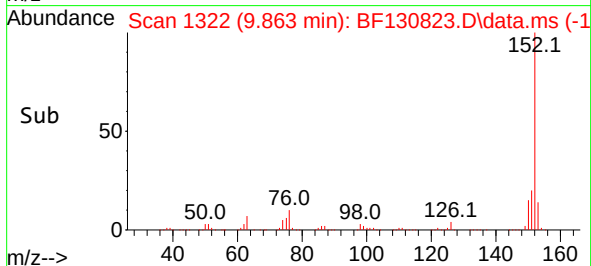
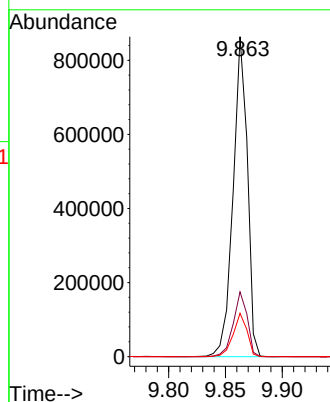
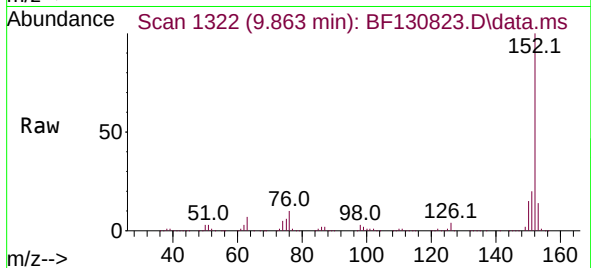
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.2  | 15.8  | 23.8  |
| 153 | 13.5  | 10.2  | 15.4  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022

Supervised By :Jagrut Upadhyay 11/01/2022



#50

Dimethylphthalate

Concen: 44.587 ng

RT: 9.722 min Scan# 1298

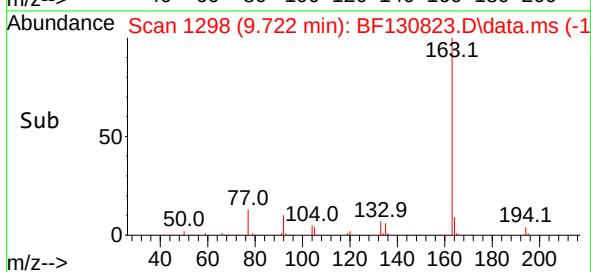
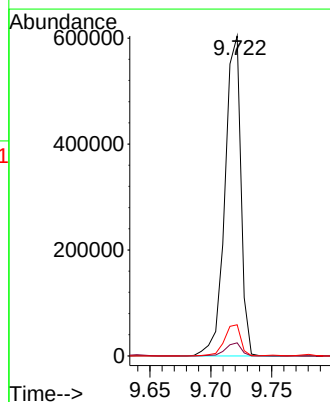
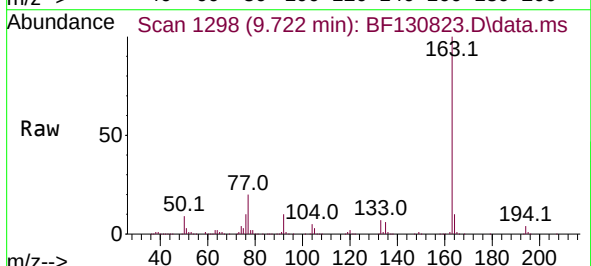
Delta R.T. -0.000 min

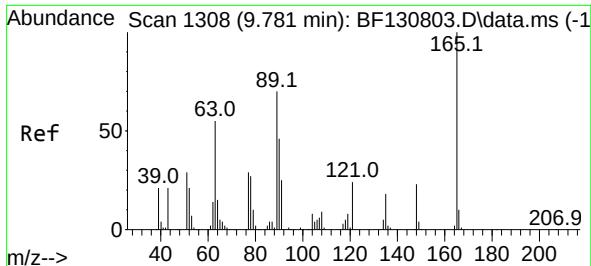
Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Tgt Ion:163 Resp: 549009

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 4.1   | 3.2   | 4.8   |
| 164 | 9.7   | 8.0   | 12.0  |





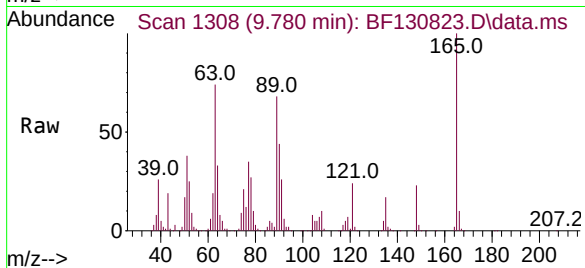
#51  
2,6-Dinitrotoluene  
Concen: 48.546 ng  
RT: 9.780 min Scan# 1308  
Delta R.T. -0.001 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

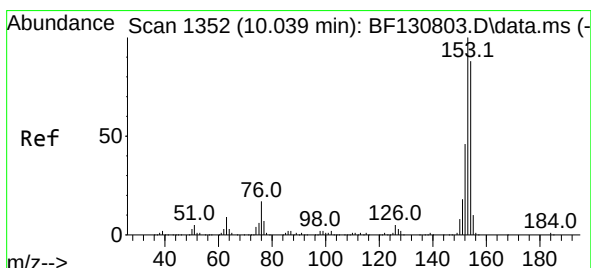
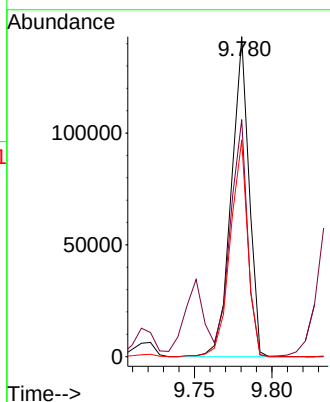
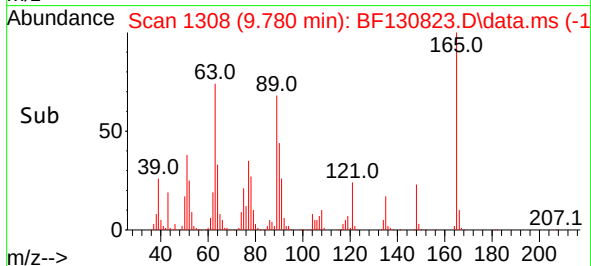


Tgt Ion:165 Resp: 113710  
Ion Ratio Lower Upper  
165 100  
63 74.1 61.8 92.8  
89 67.7 56.2 84.4

Manual Integrations

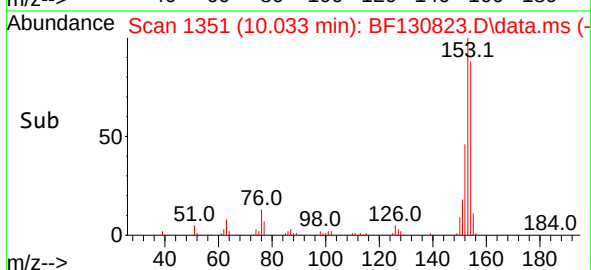
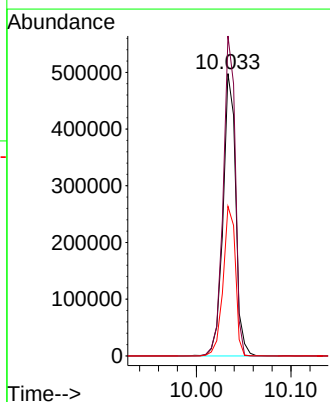
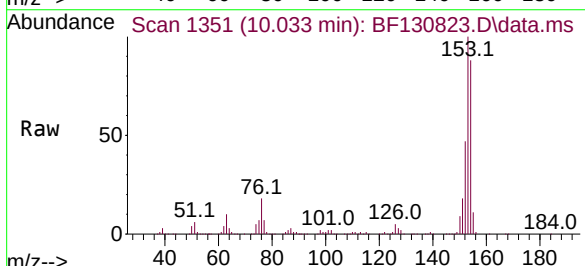
APPROVED

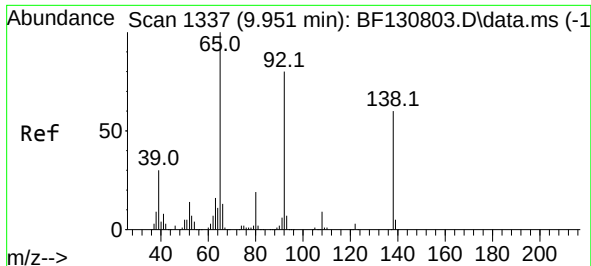
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#52  
Acenaphthene  
Concen: 46.021 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

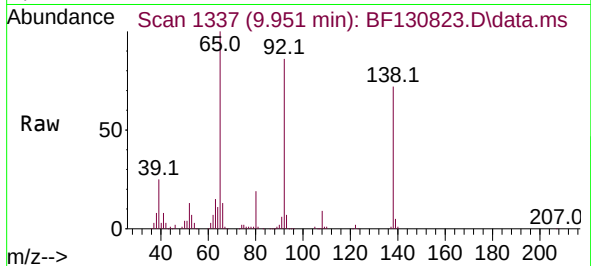
Tgt Ion:154 Resp: 460555  
Ion Ratio Lower Upper  
154 100  
153 113.3 90.5 135.7  
152 53.0 42.0 63.0





#53  
3-Nitroaniline  
Concen: 30.938 ng  
RT: 9.951 min Scan# 1337  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

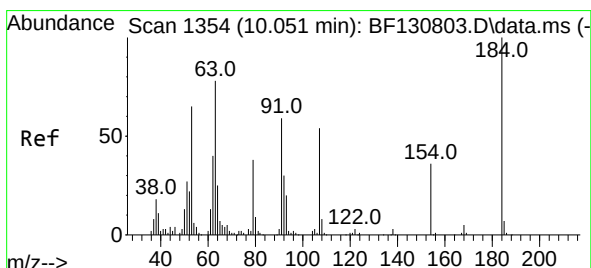
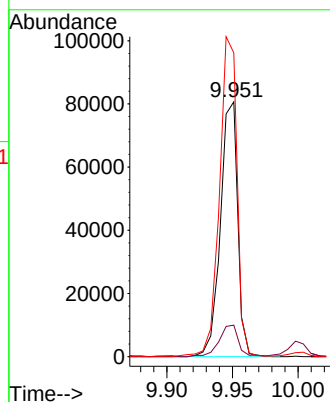
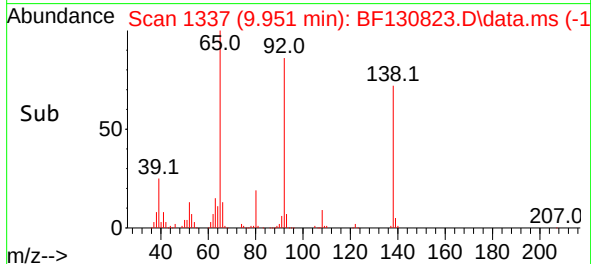
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:138 Resp: 74199  
Ion Ratio Lower Upper  
138 100  
108 12.3 12.7 19.1#  
92 119.2 107.8 161.8

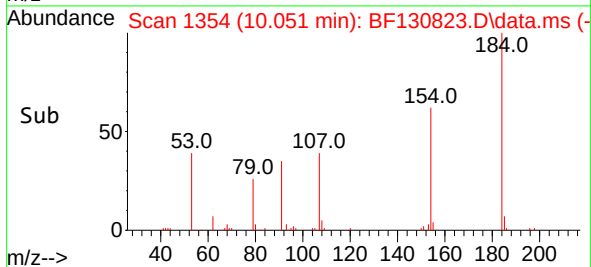
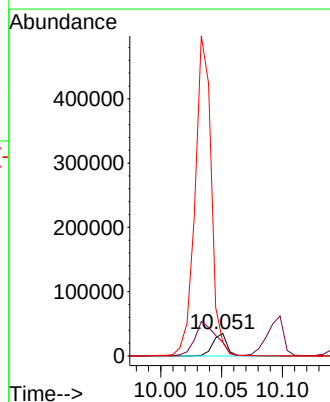
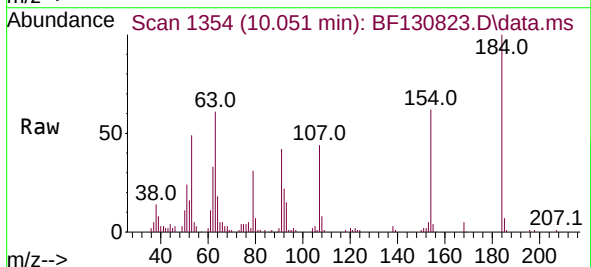
Manual Integrations  
APPROVED

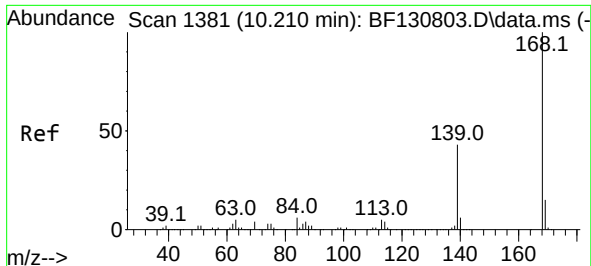
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#54  
2,4-Dinitrophenol  
Concen: 35.268 ng  
RT: 10.051 min Scan# 1354  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

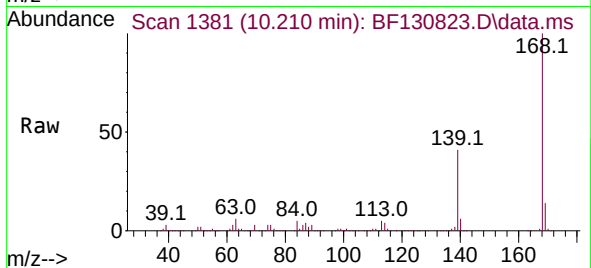
Tgt Ion:184 Resp: 28085  
Ion Ratio Lower Upper  
184 100  
63 60.8 66.7 100.1#  
154 61.7 62.2 93.2#





#55  
Dibenzofuran  
Concen: 46.107 ng  
RT: 10.210 min Scan# 1381  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

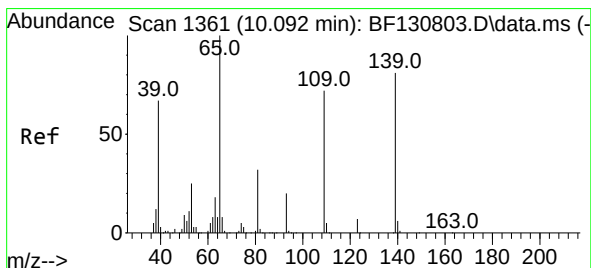
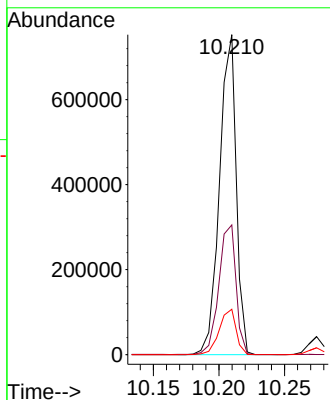
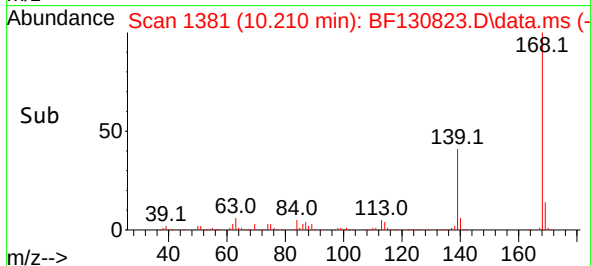
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:168 Resp: 668810  
Ion Ratio Lower Upper  
168 100  
139 40.5 34.3 51.5  
169 14.2 11.9 17.9

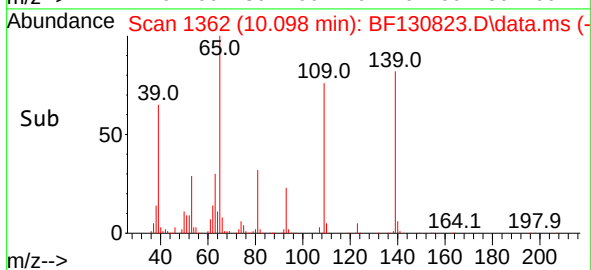
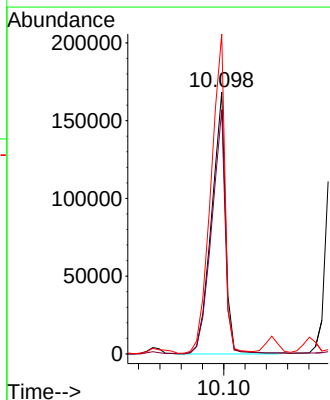
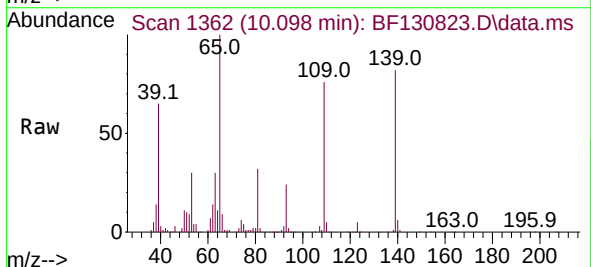
Manual Integrations  
APPROVED

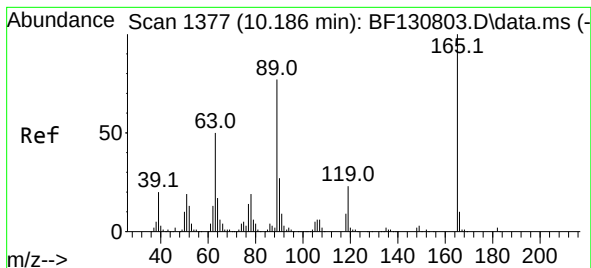
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#56  
4-Nitrophenol  
Concen: 81.175 ng  
RT: 10.098 min Scan# 1362  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

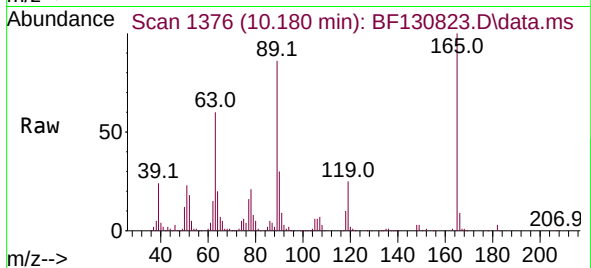
Tgt Ion:139 Resp: 154151  
Ion Ratio Lower Upper  
139 100  
109 93.2 69.3 109.3  
65 122.2 105.3 145.3





#57  
2,4-Dinitrotoluene  
Concen: 48.992 ng  
RT: 10.180 min Scan# 1377  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

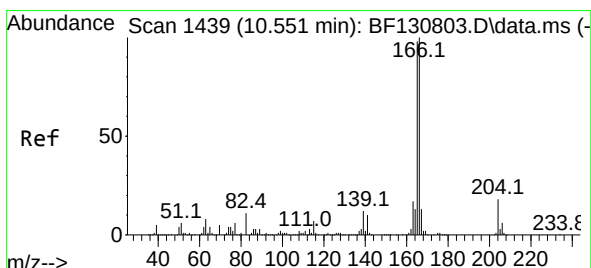
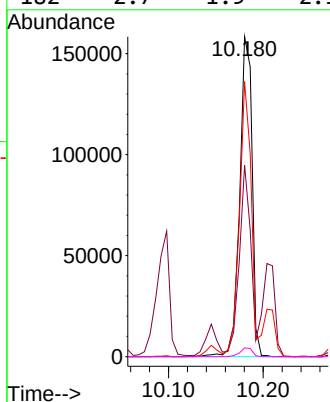
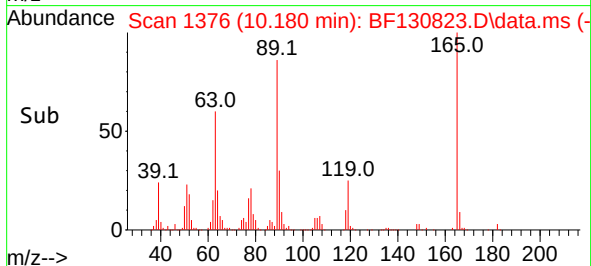
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



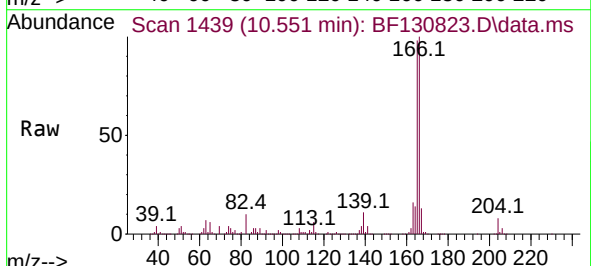
Tgt Ion:165 Resp: 144324  
Ion Ratio Lower Upper  
165 100  
63 59.9 39.8 59.6  
89 85.9 61.9 92.9  
182 2.7 1.9 2.9

Manual Integrations  
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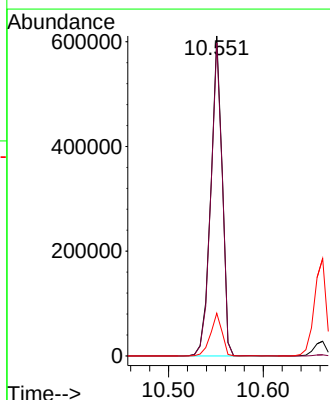
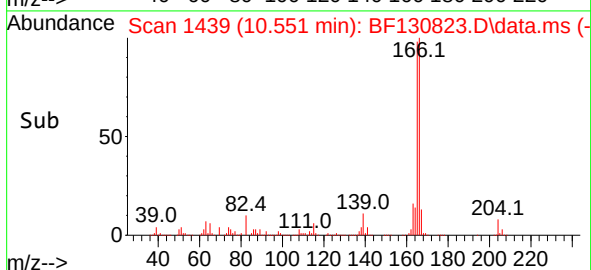
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



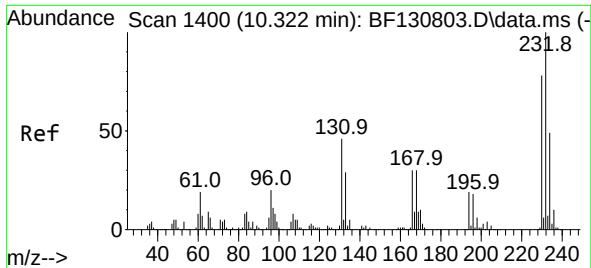
#58  
Fluorene  
Concen: 44.658 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:166 Resp: 510077  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.1 117.1  
167 13.3 10.4 15.6







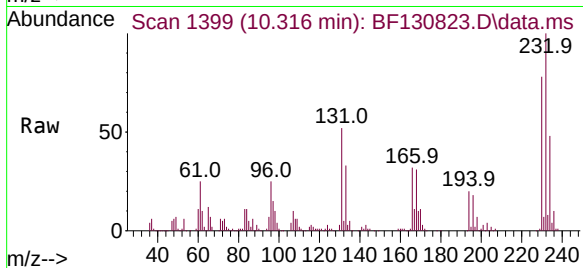
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 43.153 ng  
RT: 10.316 min Scan# 1399  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

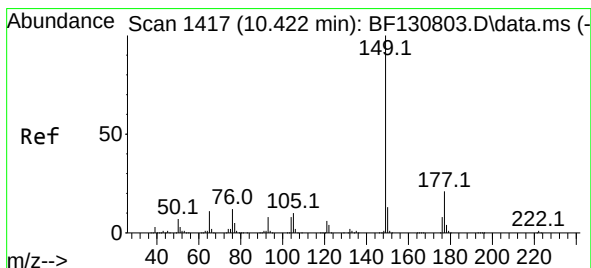
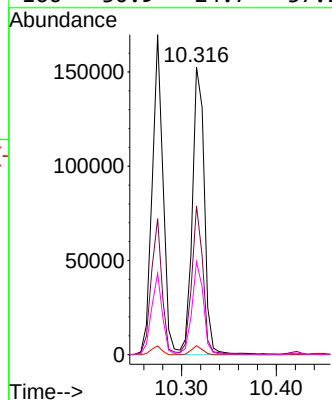
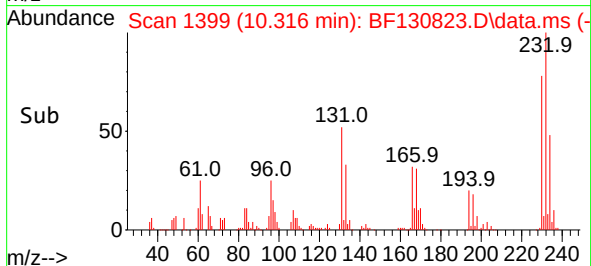


Tgt Ion:232 Resp: 134274  
Ion Ratio Lower Upper  
232 100  
131 47.6 39.6 59.4  
130 2.7 2.1 3.1  
166 30.9 24.7 37.1

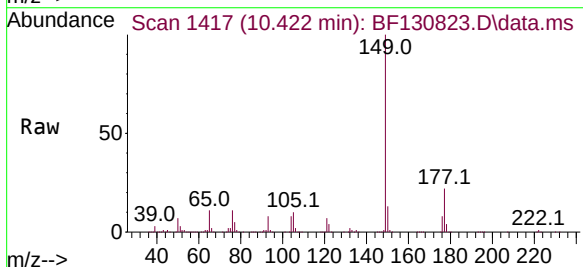
Manual Integrations

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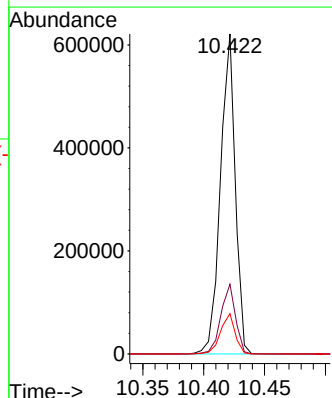
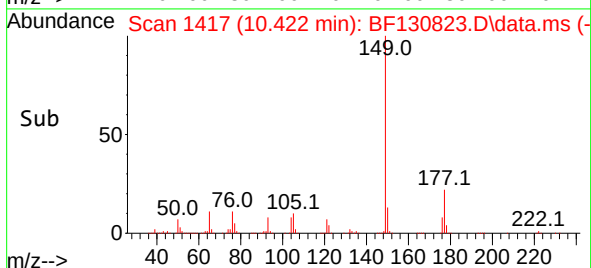
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

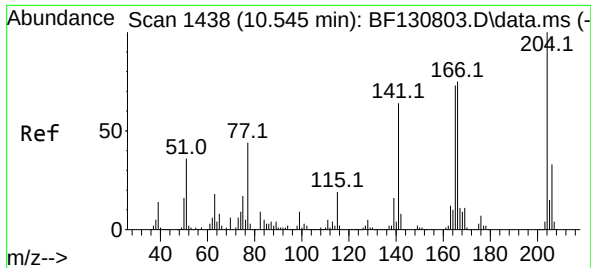


#60  
Diethylphthalate  
Concen: 43.360 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:149 Resp: 525073  
Ion Ratio Lower Upper  
149 100  
177 21.8 17.2 25.8  
150 12.6 10.8 16.2





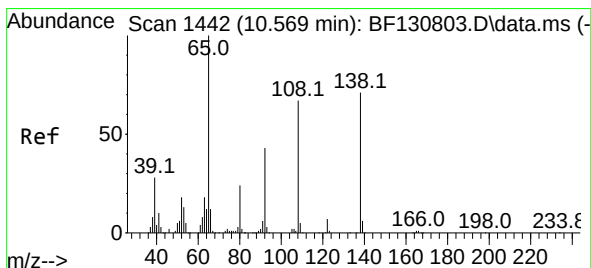
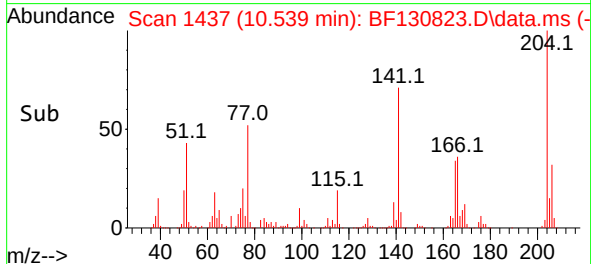
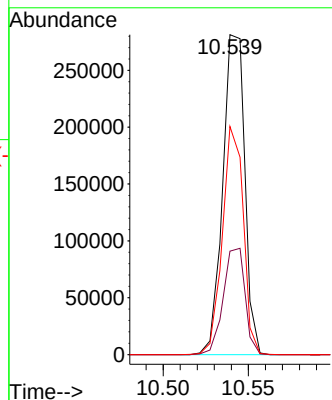
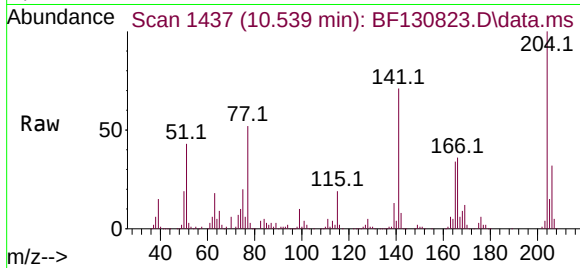
#61  
4-Chlorophenyl-phenylether  
Concen: 46.388 ng  
RT: 10.539 min Scan# 1438  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD

Tgt Ion:204 Resp: 253469  
Ion Ratio Lower Upper  
204 100  
206 32.3 26.6 39.8  
141 71.3 51.3 76.9

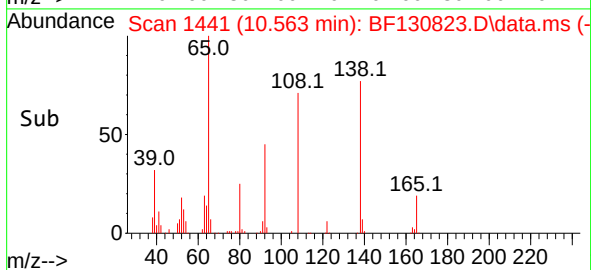
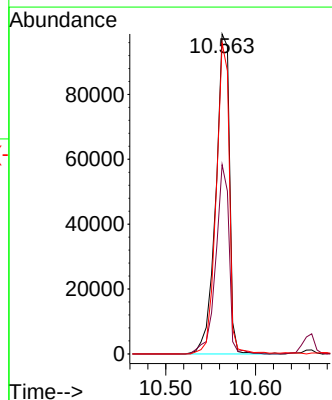
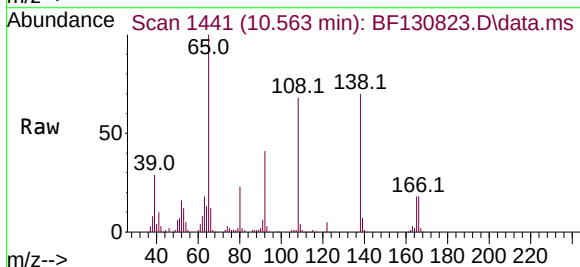
Manual Integrations  
APPROVED

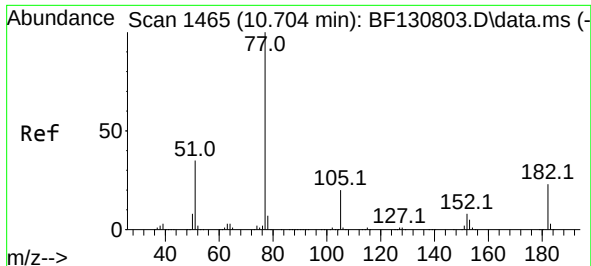
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#62  
4-Nitroaniline  
Concen: 43.201 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion:138 Resp: 104916  
Ion Ratio Lower Upper  
138 100  
92 59.1 40.6 80.6  
108 97.1 74.7 114.7





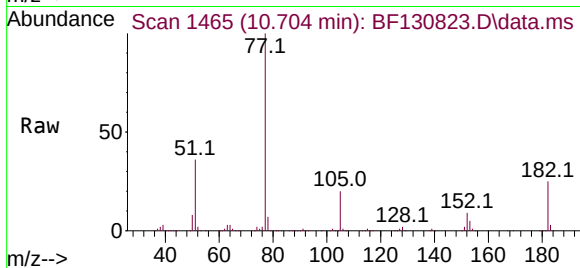
#63  
Azobenzene  
Concen: 44.644 ng  
RT: 10.704 min Scan# 1465  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

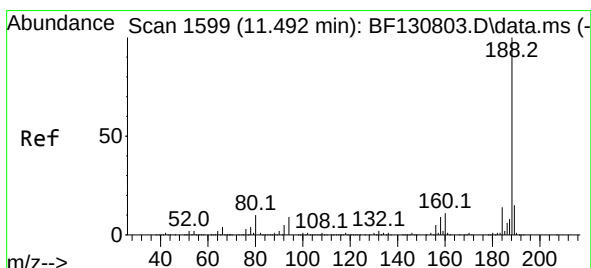
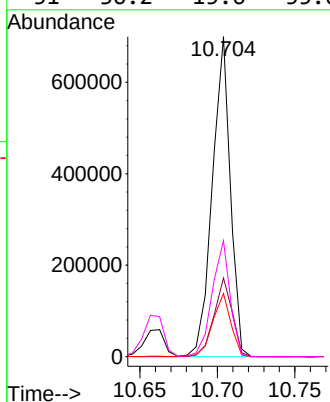
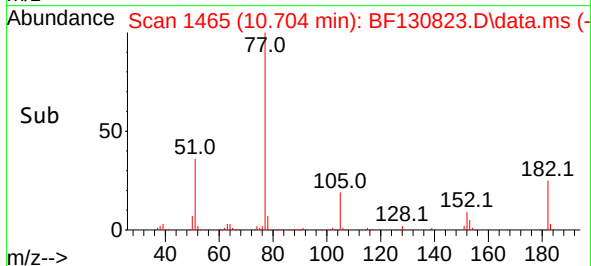


Tgt Ion: 77 Resp: 564345  
Ion Ratio Lower Upper  
77 100  
182 24.6 2.6 42.6  
105 19.7 0.0 40.0  
51 36.2 15.6 55.6

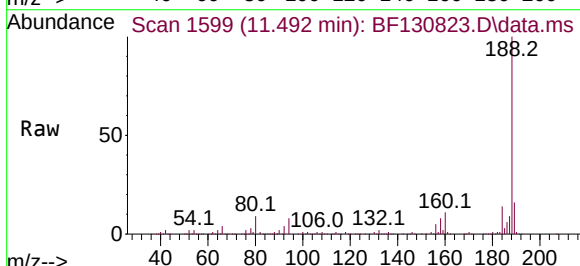
Manual Integrations

APPROVED

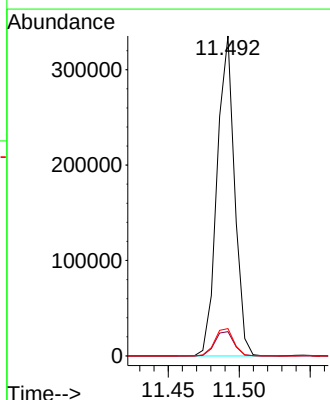
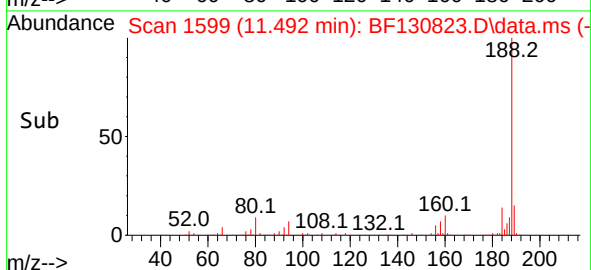
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

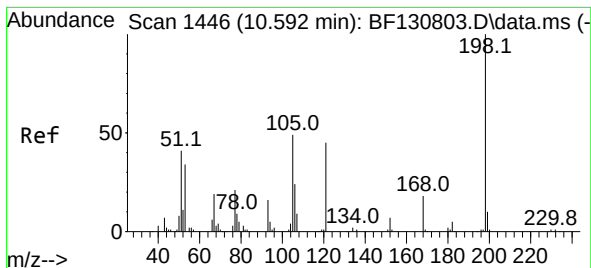


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.492 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:188 Resp: 287582  
Ion Ratio Lower Upper  
188 100  
94 7.6 7.4 11.2  
80 8.5 8.0 12.0





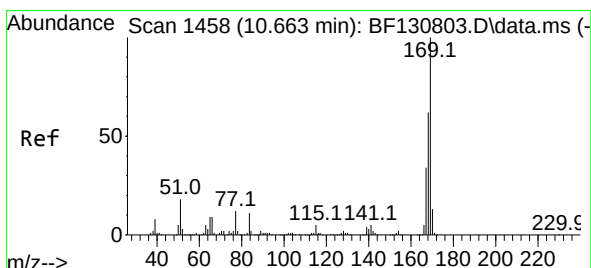
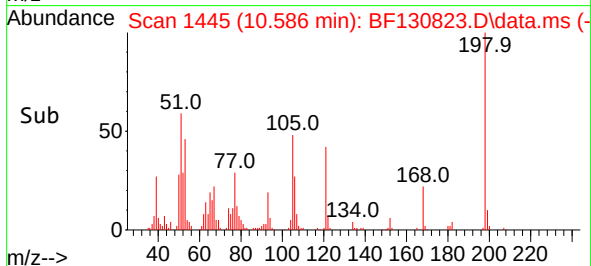
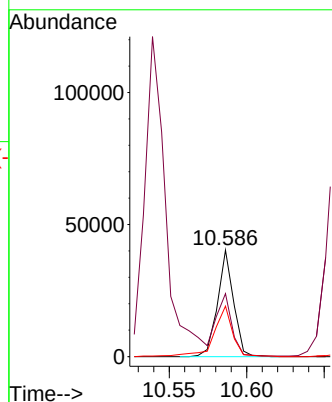
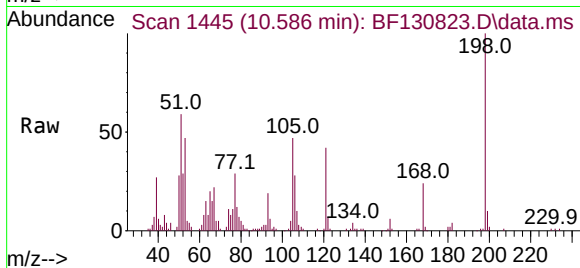
#65  
4,6-Dinitro-2-methylphenol  
Concen: 28.144 ng  
RT: 10.586 min Scan# 1446  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD

Tgt Ion:198 Resp: 29104  
Ion Ratio Lower Upper  
198 100  
51 59.1 39.0 79.0  
105 47.5 30.6 70.6

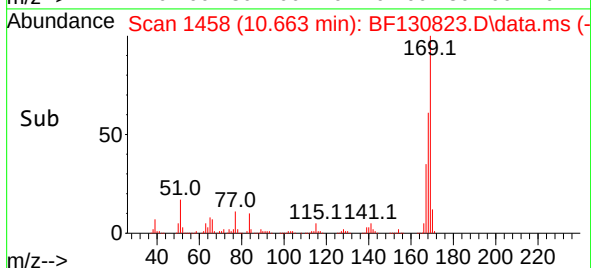
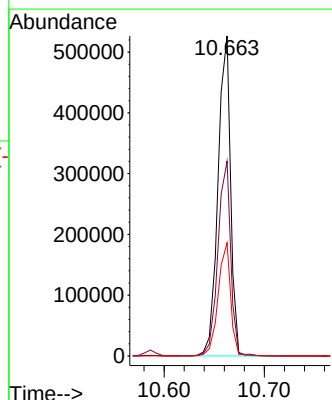
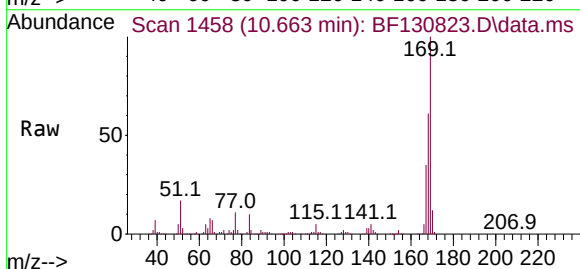
Manual Integrations  
APPROVED

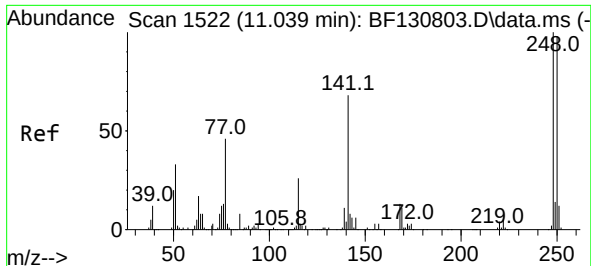
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#66  
n-Nitrosodiphenylamine  
Concen: 51.288 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

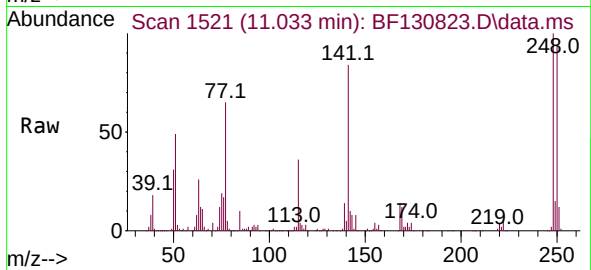
Tgt Ion:169 Resp: 460060  
Ion Ratio Lower Upper  
169 100  
168 60.8 49.4 74.0  
167 35.3 27.4 41.2





#67  
4-Bromophenyl-phenylether  
Concen: 53.448 ng  
RT: 11.033 min Scan# 1521  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

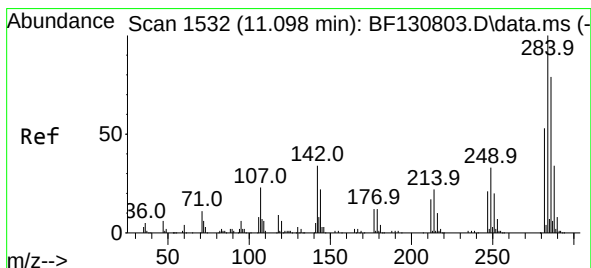
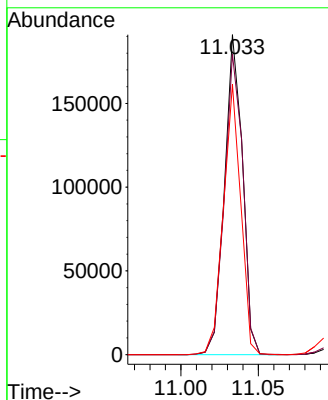
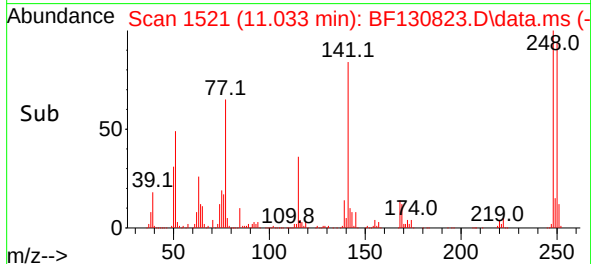
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



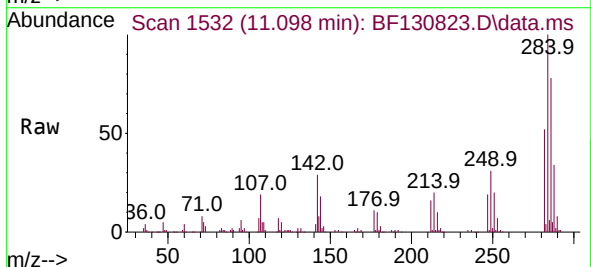
Tgt Ion:248 Resp: 154572  
Ion Ratio Lower Upper  
248 100  
250 93.9 78.6 117.8  
141 84.5 54.2 81.4

Manual Integrations  
APPROVED

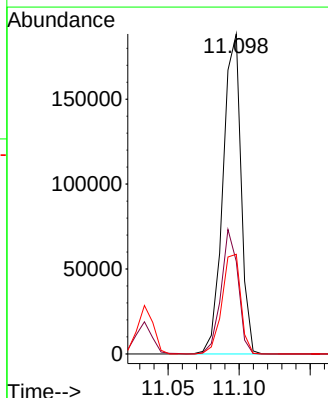
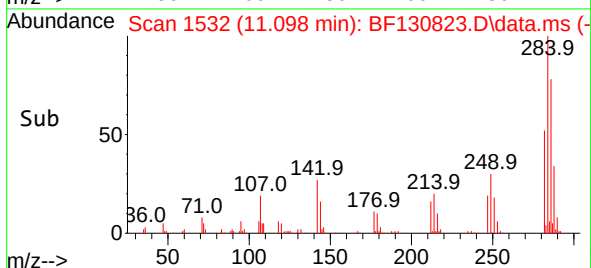
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

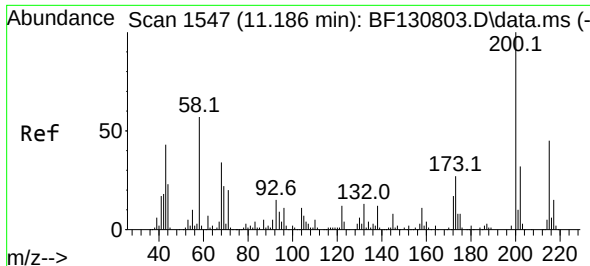


#68  
Hexachlorobenzene  
Concen: 52.301 ng  
RT: 11.098 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



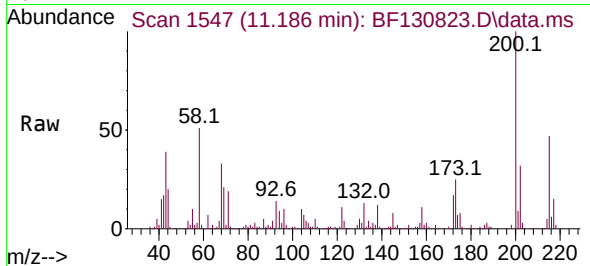
Tgt Ion:284 Resp: 166657  
Ion Ratio Lower Upper  
284 100  
142 28.9 27.1 40.7  
249 31.1 26.6 39.8





#69  
 Atrazine  
 Concen: 55.686 ng  
 RT: 11.186 min Scan# 1547  
 Delta R.T. -0.000 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54

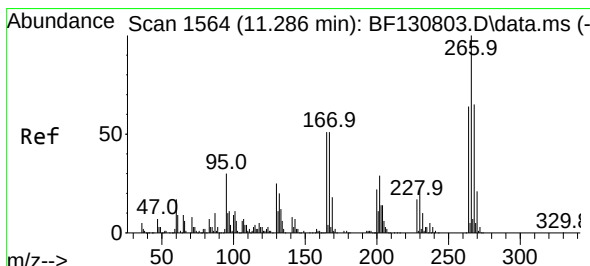
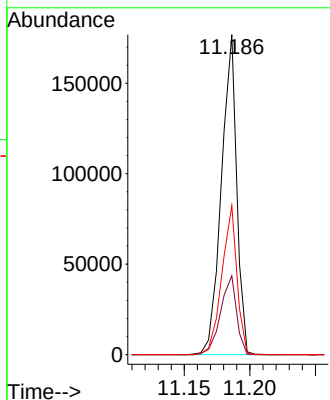
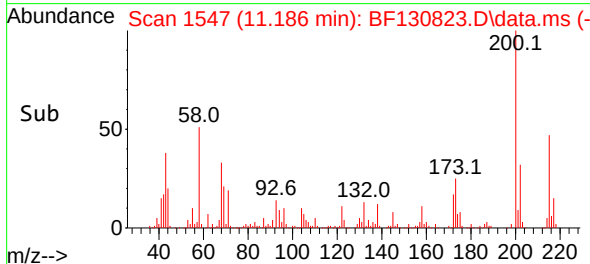
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-102422MSD



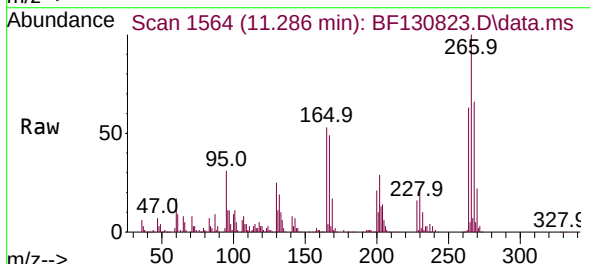
Tgt Ion:200 Resp: 144256  
 Ion Ratio Lower Upper  
 200 100  
 173 24.6 7.1 47.1  
 215 46.5 25.4 65.4

Manual Integrations  
 APPROVED

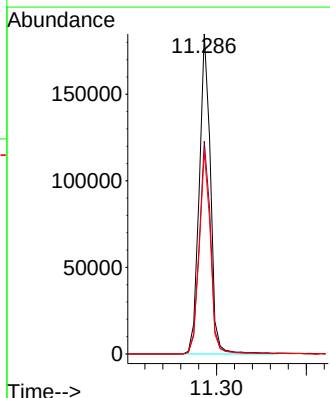
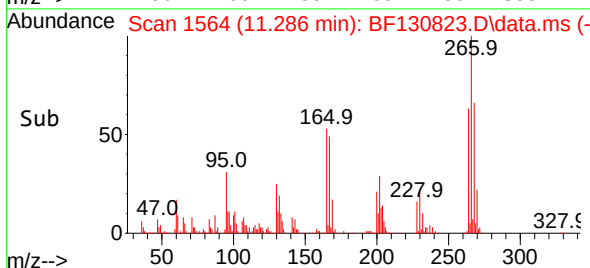
Reviewed By :Christian Giraldo 10/31/2022  
 Supervised By :Jagrut Upadhyay 11/01/2022

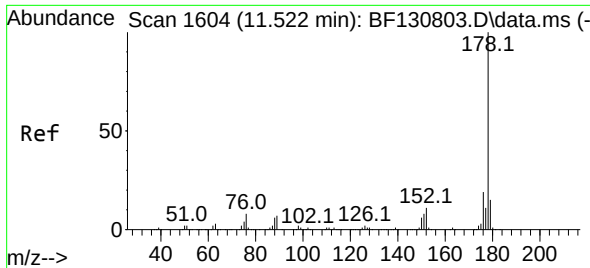


#70  
 Pentachlorophenol  
 Concen: 87.933 ng  
 RT: 11.286 min Scan# 1564  
 Delta R.T. -0.000 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54



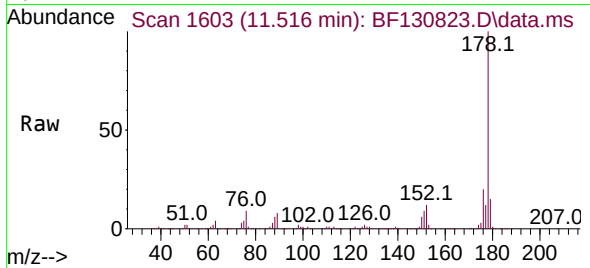
Tgt Ion:266 Resp: 159889  
 Ion Ratio Lower Upper  
 266 100  
 268 66.4 51.8 77.6  
 264 63.4 51.6 77.4





#71  
Phenanthrene  
Concen: 48.015 ng  
RT: 11.516 min Scan# 1603  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

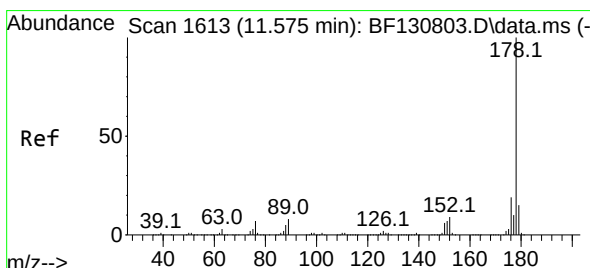
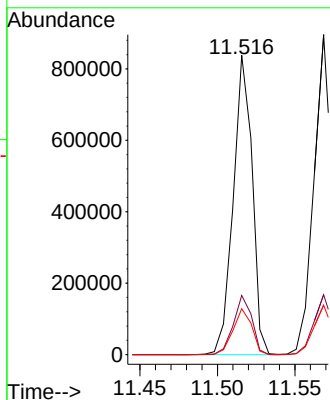
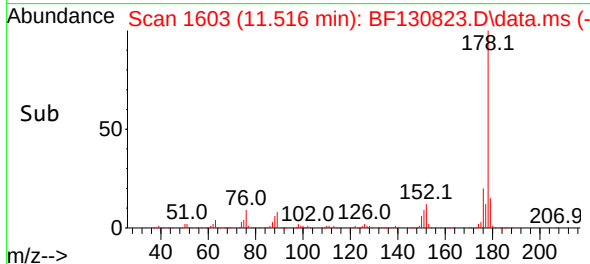
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



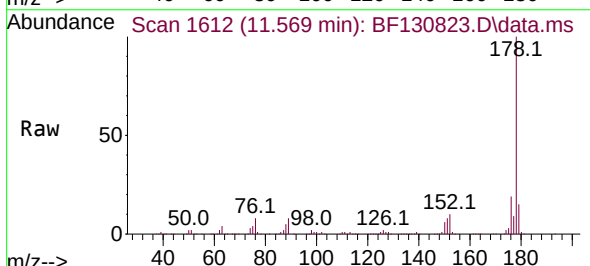
Tgt Ion:178 Resp: 712682  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.5 23.3  
179 15.3 12.2 18.2

Manual Integrations  
APPROVED

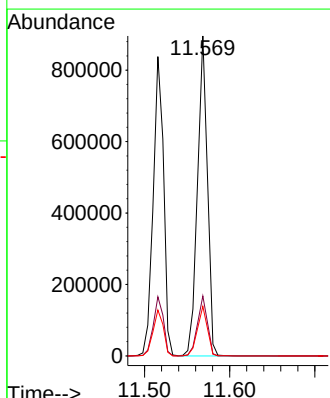
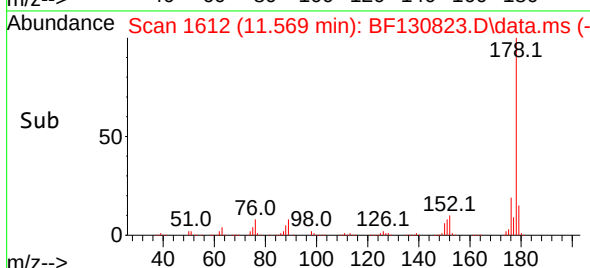
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

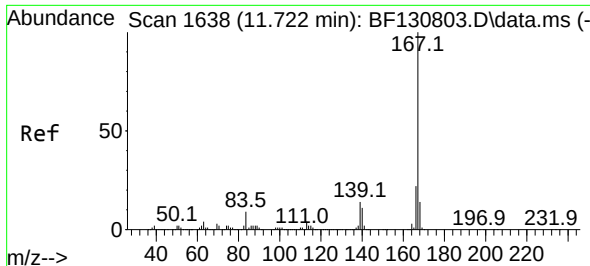


#72  
Anthracene  
Concen: 49.567 ng  
RT: 11.569 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



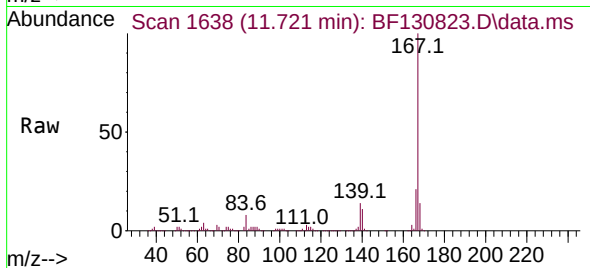
Tgt Ion:178 Resp: 725672  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.4 23.0  
179 15.5 12.2 18.4





#73  
 Carbazole  
 Concen: 46.815 ng  
 RT: 11.721 min Scan# 1638  
 Delta R.T. -0.000 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54

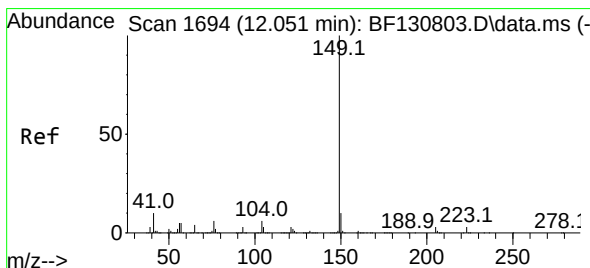
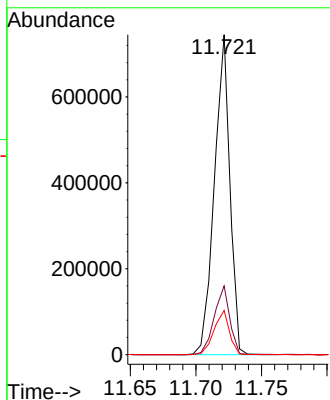
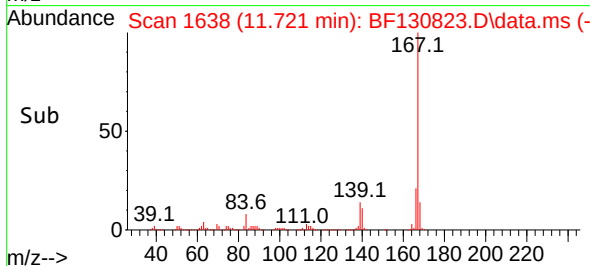
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OK-03-102422MSD



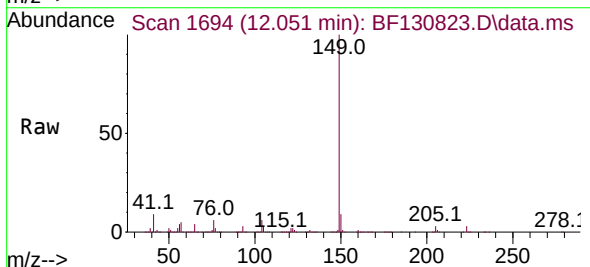
Tgt Ion:167 Resp: 613776  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.4 26.0  
 139 13.8 11.3 16.9

Manual Integrations  
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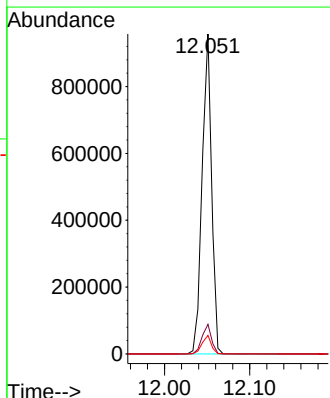
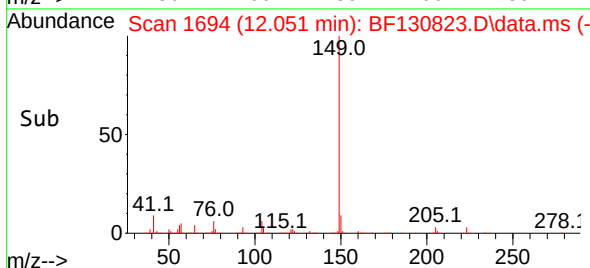
Reviewed By :Christian Giraldo 10/31/2022  
 Supervised By :Jagrut Upadhyay 11/01/2022



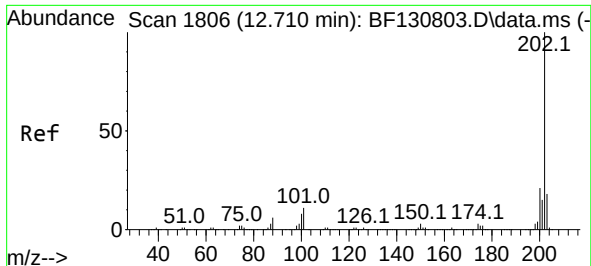
#74  
 Di-n-butylphthalate  
 Concen: 46.423 ng  
 RT: 12.051 min Scan# 1694  
 Delta R.T. -0.000 min  
 Lab File: BF130823.D  
 Acq: 28 Oct 2022 12:54



Tgt Ion:149 Resp: 739185  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.8 11.6  
 104 5.8 4.6 6.8







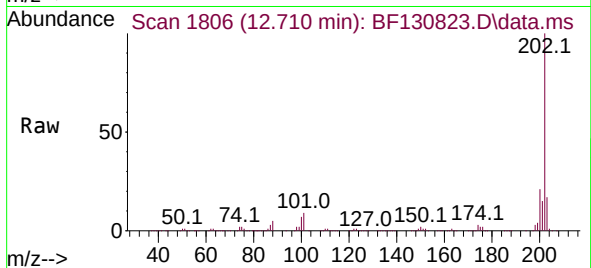
#75  
Fluoranthene  
Concen: 44.090 ng  
RT: 12.710 min Scan# 1806  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

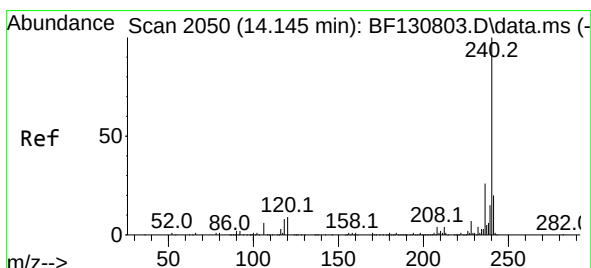
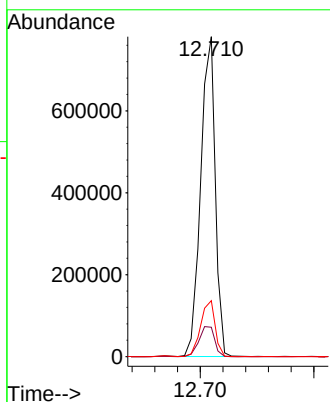
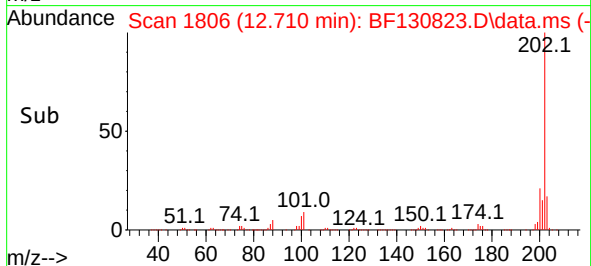


Tgt Ion:202 Resp: 695330  
Ion Ratio Lower Upper  
202 100  
101 9.2 0.0 30.9  
203 17.5 0.0 37.7

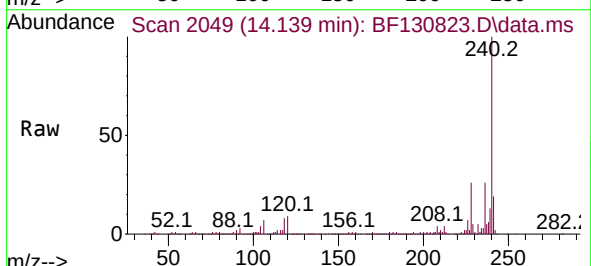
Manual Integrations

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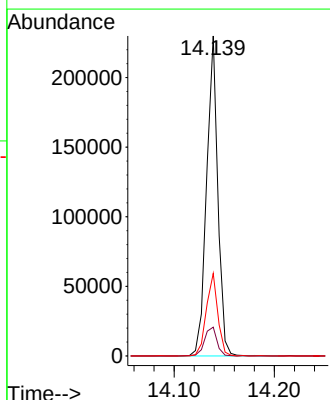
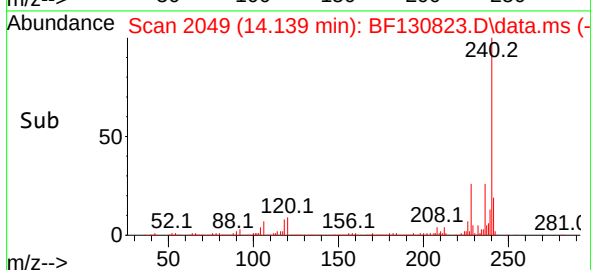
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

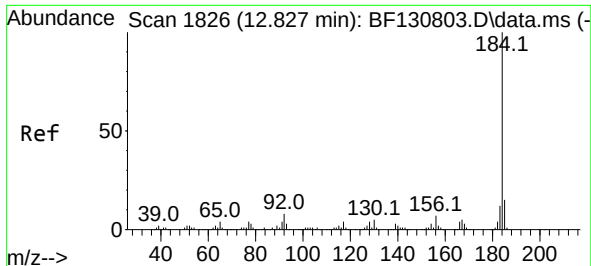


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.139 min Scan# 2049  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



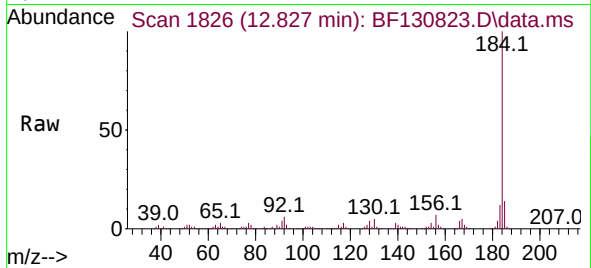
Tgt Ion:240 Resp: 177905  
Ion Ratio Lower Upper  
240 100  
120 9.0 7.0 10.4  
236 25.8 20.5 30.7





#77  
Benzidine  
Concen: 62.614 ng  
RT: 12.827 min Scan# 1826  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

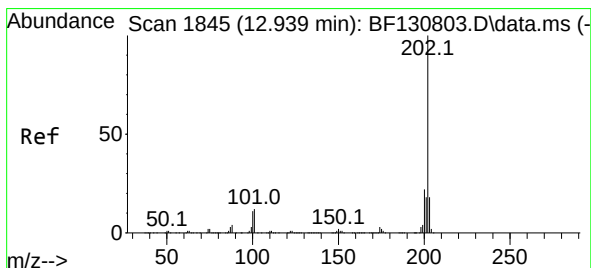
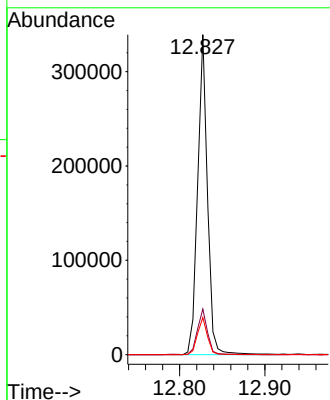
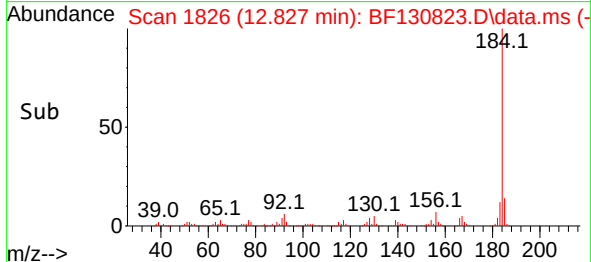
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



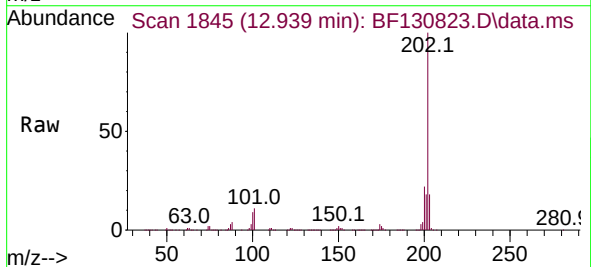
Tgt Ion:184 Resp: 270406  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.8 17.8  
183 11.6 9.7 14.5

Manual Integrations  
APPROVED

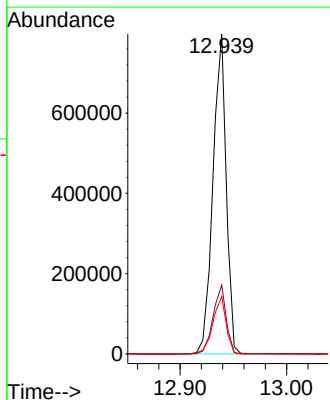
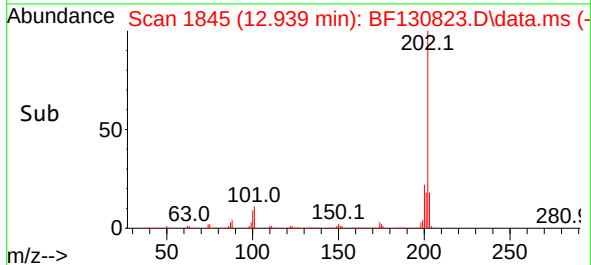
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

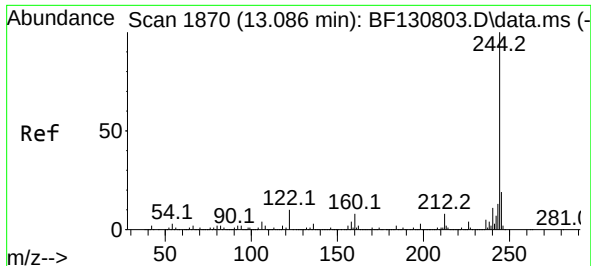


#78  
Pyrene  
Concen: 45.983 ng  
RT: 12.939 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:202 Resp: 690176  
Ion Ratio Lower Upper  
202 100  
200 21.5 17.2 25.8  
203 17.9 14.5 21.7





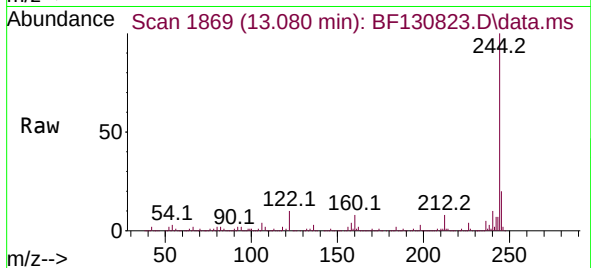
#79  
Terphenyl-d14  
Concen: 94.969 ng  
RT: 13.080 min Scan# 1870  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

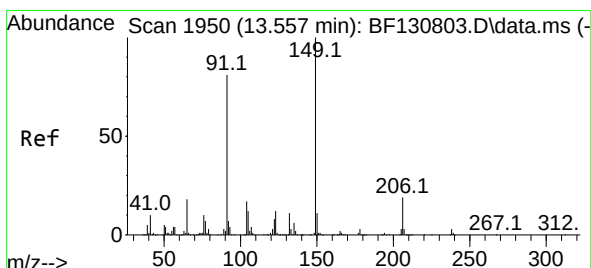
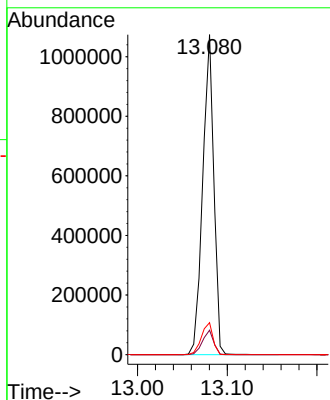
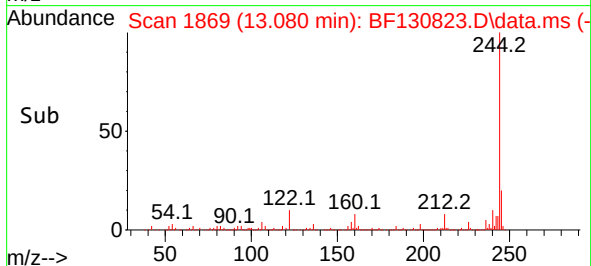


Tgt Ion:244 Resp: 922010  
Ion Ratio Lower Upper  
244 100  
212 7.6 6.2 9.2  
122 10.0 7.9 11.9

Manual Integrations

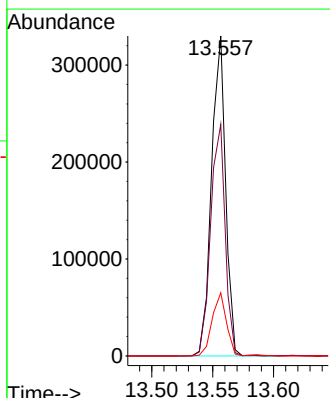
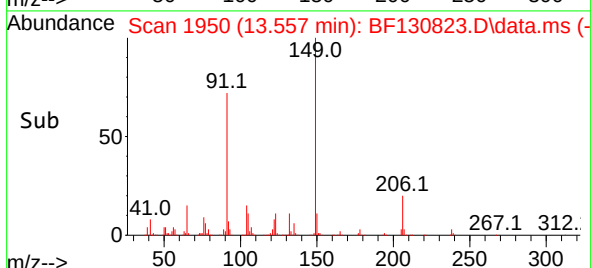
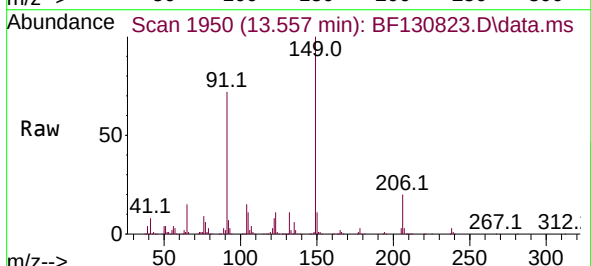
APPROVED

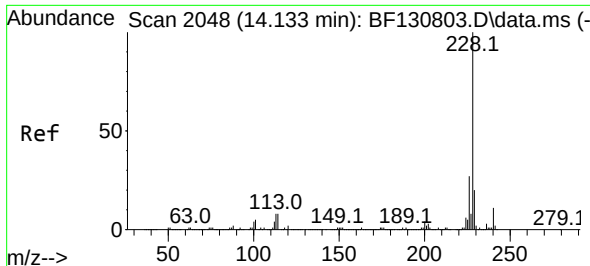
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#80  
Butylbenzylphthalate  
Concen: 49.075 ng  
RT: 13.557 min Scan# 1950  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

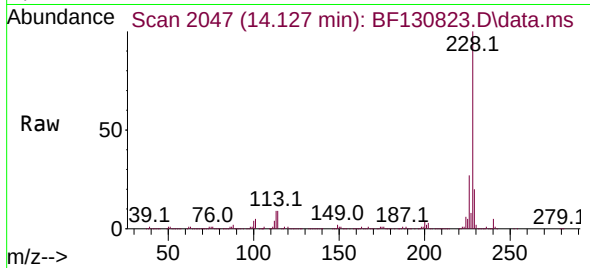
Tgt Ion:149 Resp: 265003  
Ion Ratio Lower Upper  
149 100  
91 72.3 64.5 96.7  
206 19.7 15.3 22.9





#81  
Benzo(a)anthracene  
Concen: 48.175 ng  
RT: 14.127 min Scan# 2047  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

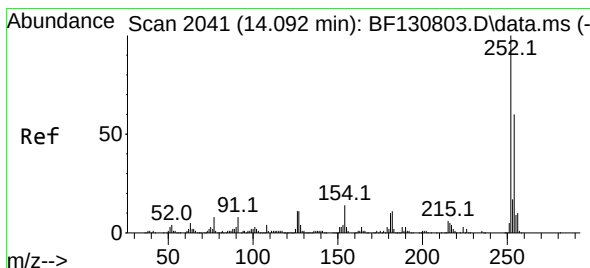
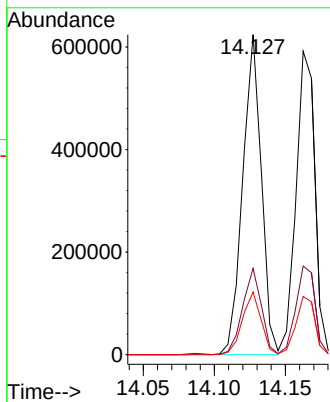
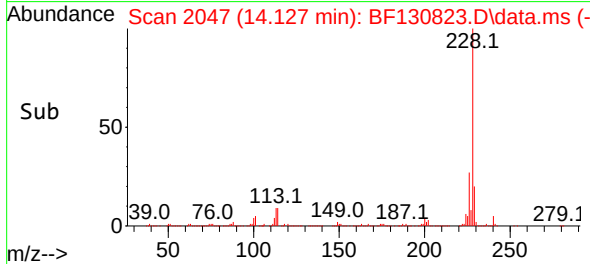
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



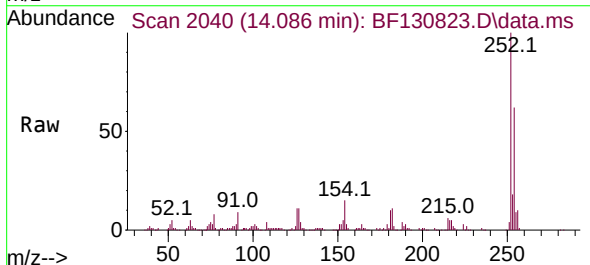
Tgt Ion:228 Resp: 568228  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.4 32.2  
229 19.5 15.8 23.6

Manual Integrations  
APPROVED

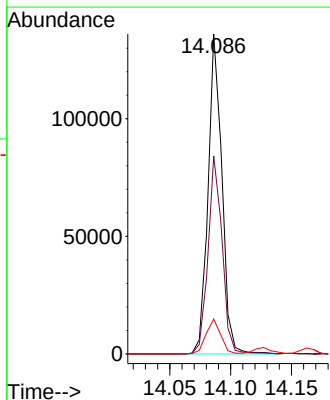
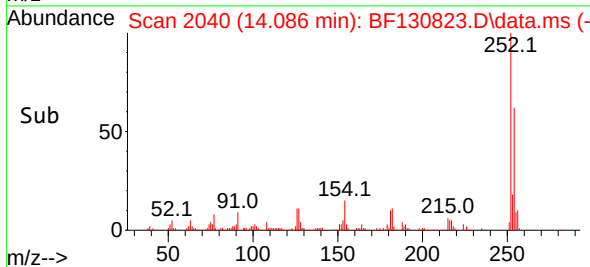
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

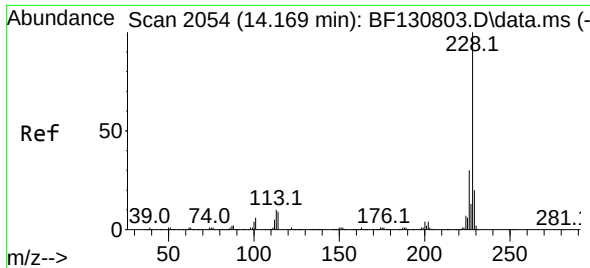


#82  
3,3'-Dichlorobenzidine  
Concen: 33.837 ng  
RT: 14.086 min Scan# 2040  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



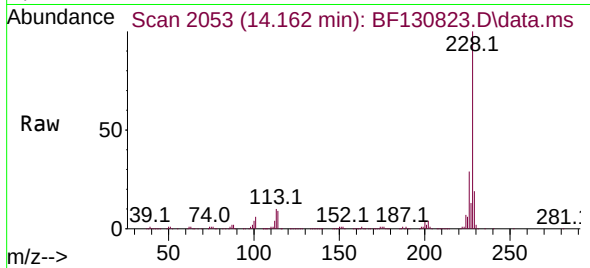
Tgt Ion:252 Resp: 107717  
Ion Ratio Lower Upper  
252 100  
254 61.9 47.8 71.6  
126 10.9 9.0 13.6





#83  
Chrysene  
Concen: 47.957 ng  
RT: 14.162 min Scan# 2053  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

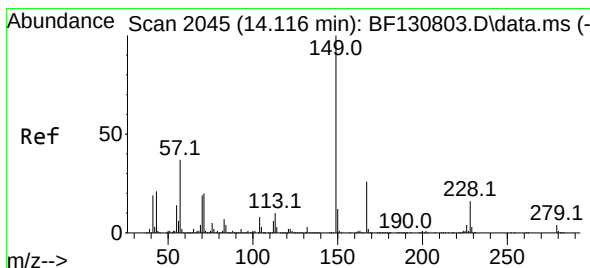
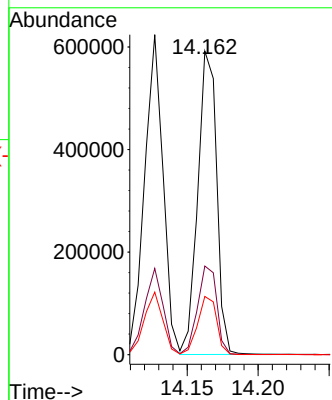
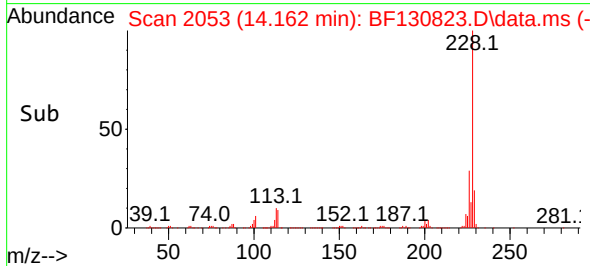
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



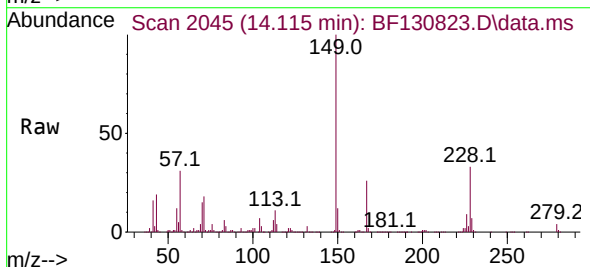
Tgt Ion:228 Resp: 545621  
Ion Ratio Lower Upper  
228 100  
226 29.2 23.9 35.9  
229 19.2 15.8 23.6

Manual Integrations  
APPROVED

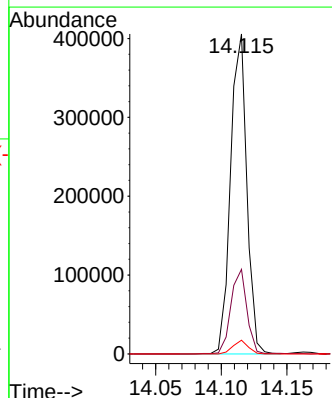
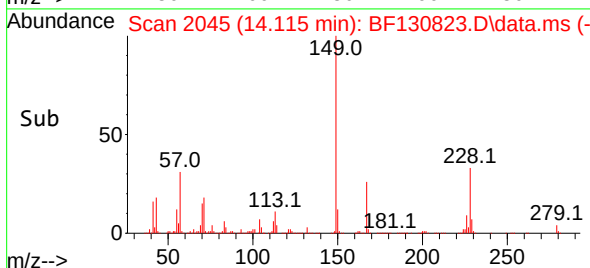
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

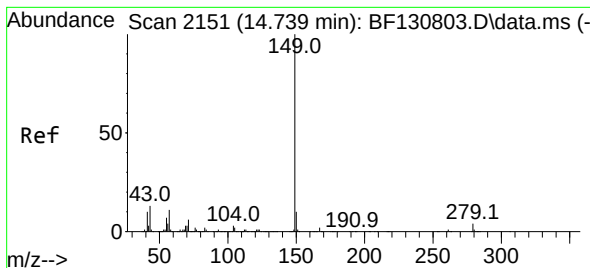


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 53.977 ng  
RT: 14.115 min Scan# 2045  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



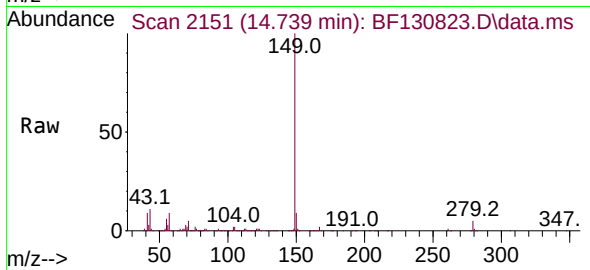
Tgt Ion:149 Resp: 350457  
Ion Ratio Lower Upper  
149 100  
167 26.4 21.0 31.4  
279 4.3 3.0 4.6





#85  
Di-n-octyl phthalate  
Concen: 63.357 ng  
RT: 14.739 min Scan# 2151  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

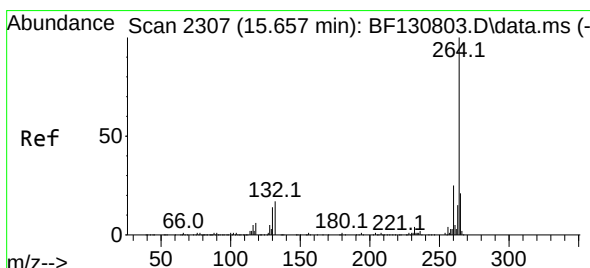
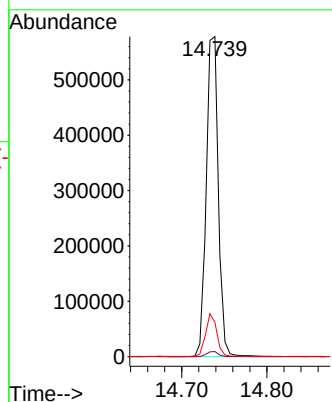
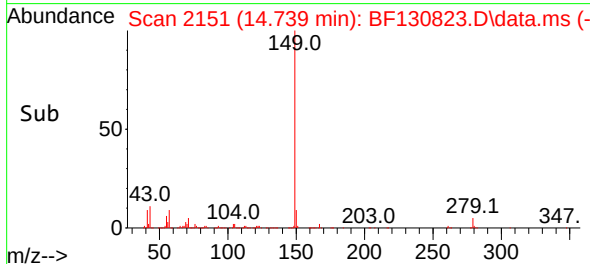
Instrument :  
BNA\_F  
ClientSampleId :  
OK-03-102422MSD



Tgt Ion:149 Resp: 567733  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 12.5 10.2 15.2

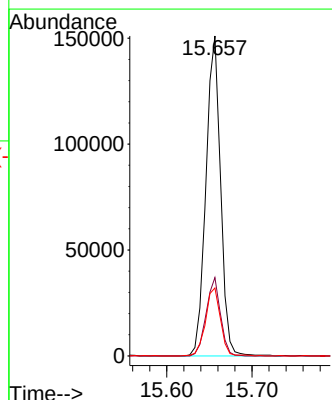
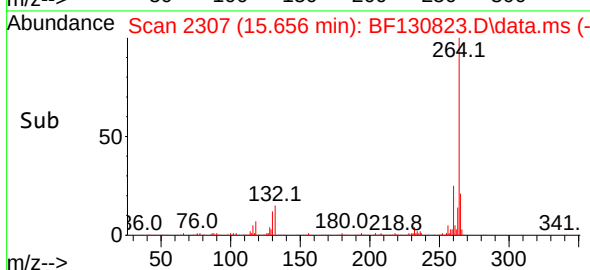
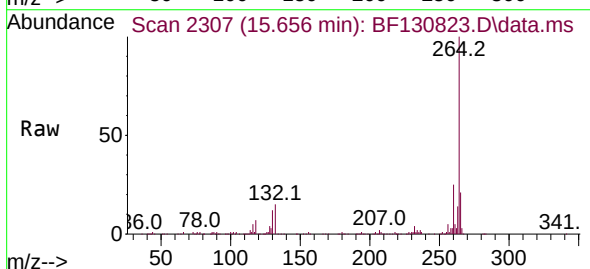
Manual Integrations  
APPROVED

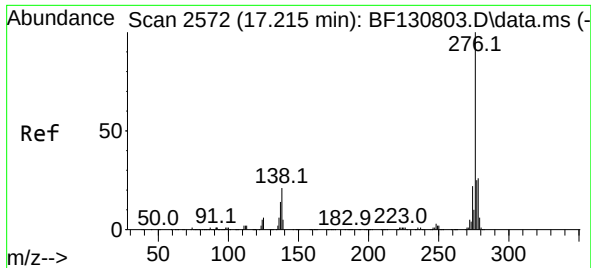
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.656 min Scan# 2307  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Tgt Ion:264 Resp: 179929  
Ion Ratio Lower Upper  
264 100  
260 24.5 19.9 29.9  
265 21.2 17.0 25.6





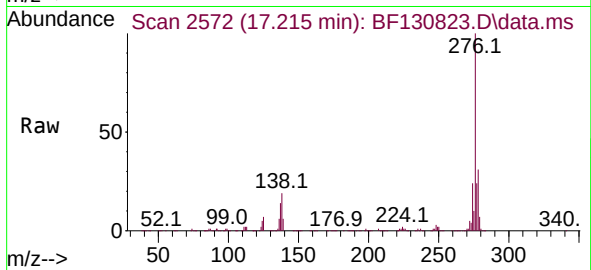
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 59.042 ng  
RT: 17.215 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

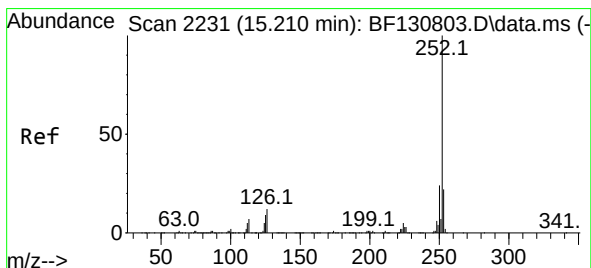
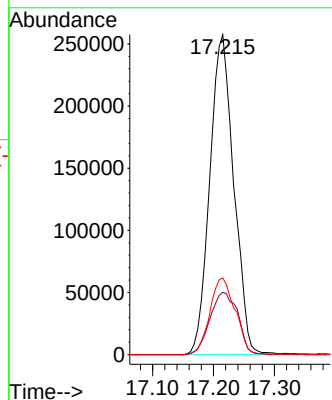
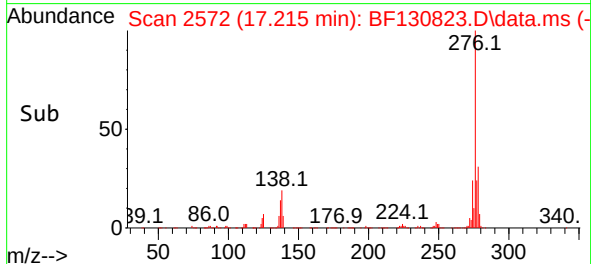


Tgt Ion:276 Resp: 705472  
Ion Ratio Lower Upper  
276 100  
138 22.7 19.1 28.7  
277 25.3 20.1 30.1

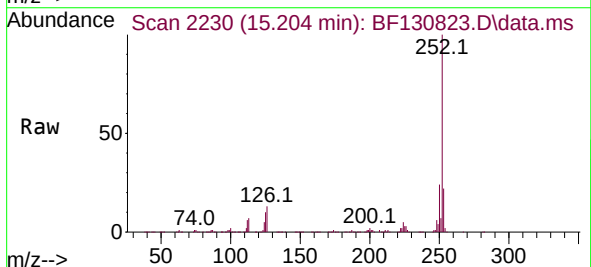
Manual Integrations

APPROVED

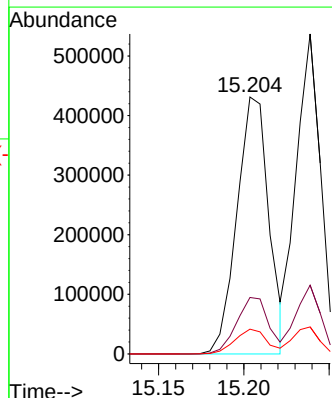
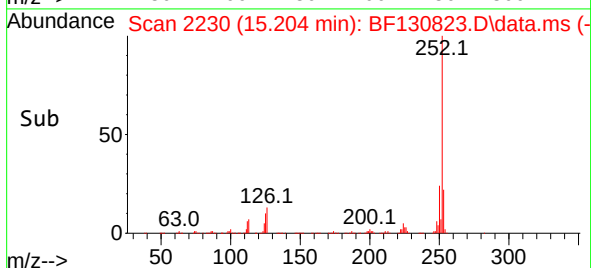
Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022

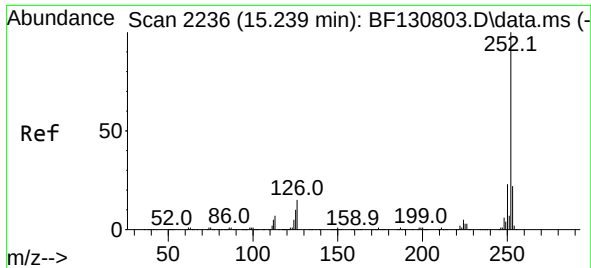


#88  
Benzo(b)fluoranthene  
Concen: 48.274 ng  
RT: 15.204 min Scan# 2230  
Delta R.T. -0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:252 Resp: 561482  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 9.6 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 47.609 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.000 min

Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

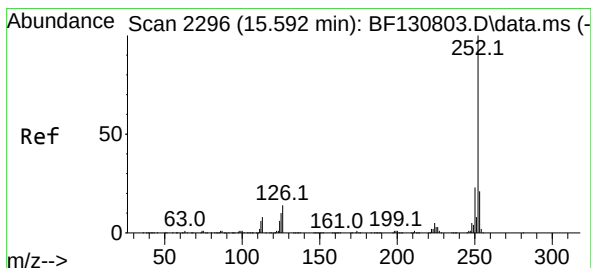
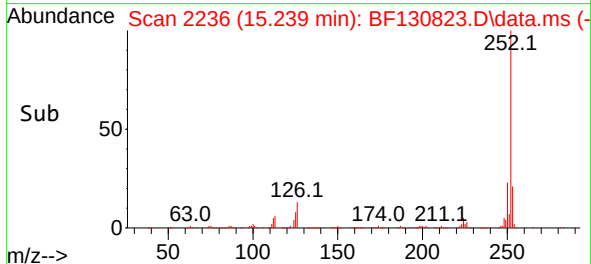
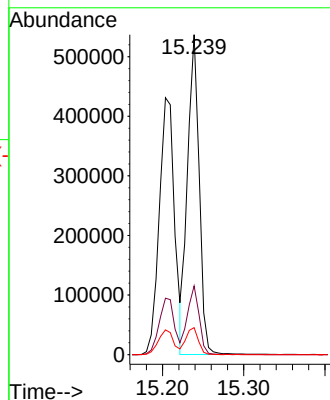
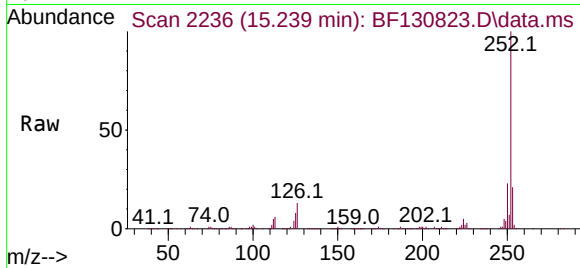
OK-03-102422MSD

Tgt Ion:252 Resp: 539592  
 Ion Ratio Lower Upper  
 252 100  
 253 21.5 17.5 26.3  
 125 8.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022  
 Supervised By :Jagrut Upadhyay 11/01/2022



#90

Benzo(a)pyrene

Concen: 53.124 ng

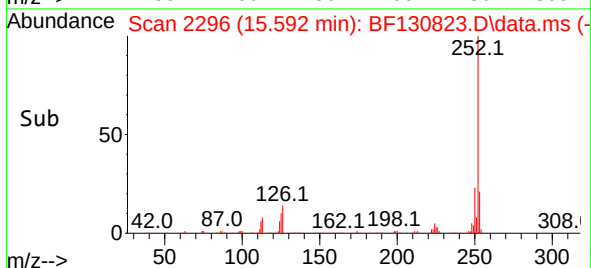
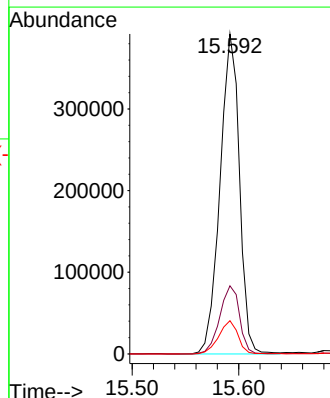
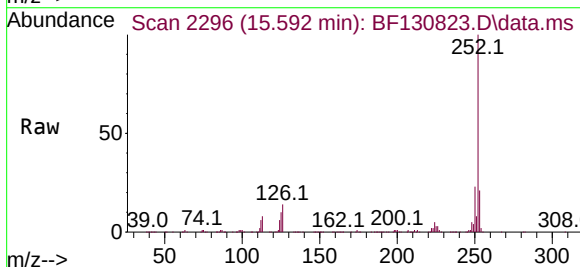
RT: 15.592 min Scan# 2296

Delta R.T. -0.000 min

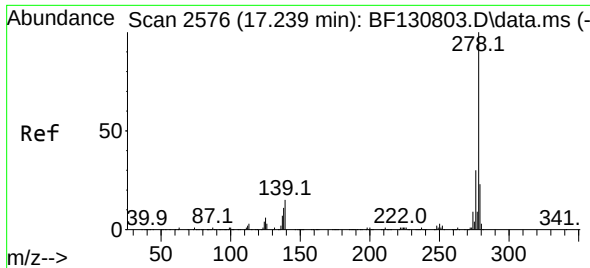
Lab File: BF130823.D

Acq: 28 Oct 2022 12:54

Tgt Ion:252 Resp: 496709  
 Ion Ratio Lower Upper  
 252 100  
 253 21.3 16.8 25.2  
 125 10.4 8.3 12.5







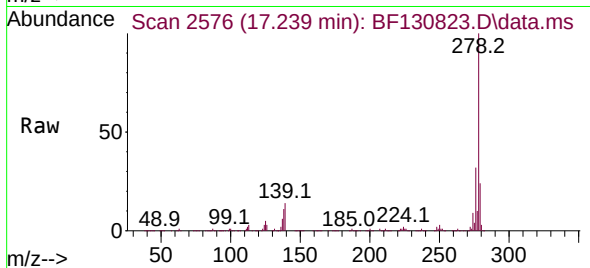
#91  
Dibenzo(a,h)anthracene  
Concen: 62.312 ng  
RT: 17.239 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54

Instrument :

BNA\_F

ClientSampleId :

OK-03-102422MSD

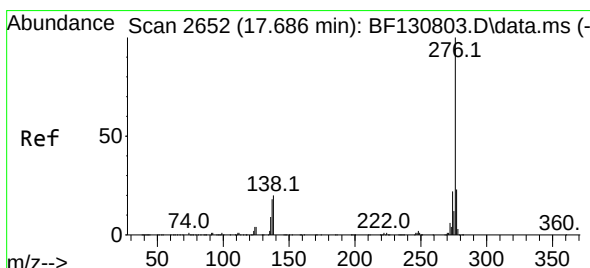
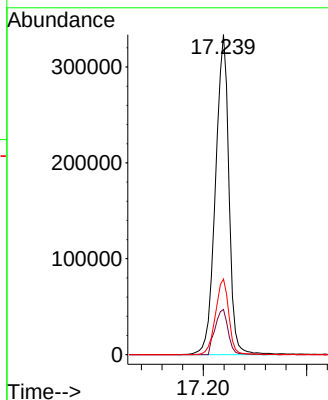
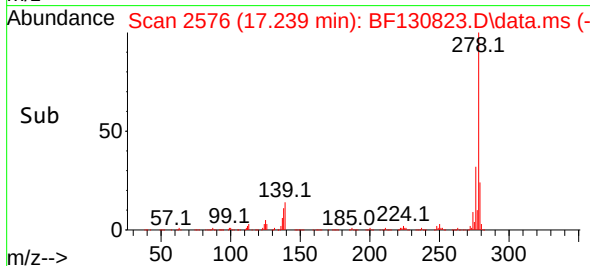


Tgt Ion:278 Resp: 606954  
Ion Ratio Lower Upper  
278 100  
139 14.1 11.9 17.9  
279 23.6 18.6 28.0

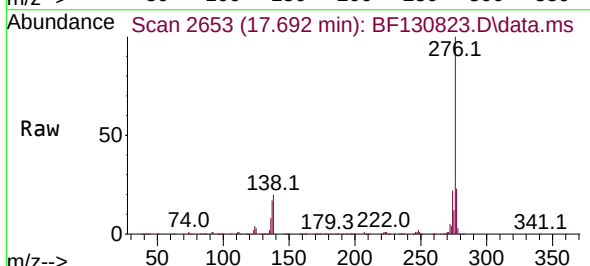
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/31/2022  
Supervised By :Jagrut Upadhyay 11/01/2022



#92  
Benzo(g,h,i)perylene  
Concen: 63.307 ng  
RT: 17.692 min Scan# 2653  
Delta R.T. 0.006 min  
Lab File: BF130823.D  
Acq: 28 Oct 2022 12:54



Tgt Ion:276 Resp: 629103  
Ion Ratio Lower Upper  
276 100  
277 23.0 18.8 28.2  
138 19.6 16.3 24.5

