

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031323\  
 Data File : BF132756.D  
 Acq On : 13 Mar 2023 12:33  
 Operator : CG\JU  
 Sample : PB151350BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB151350BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 01:28:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 13:44:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.975  | 152  | 243268   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.257  | 136  | 865467   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.022 | 164  | 456993   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.510 | 188  | 827524   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.169 | 240  | 521409   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.704 | 264  | 484072   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.616  | 112  | 1432202  | 95.550 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.610  | 99   | 1833137  | 93.709 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.540  | 82   | 1183624  | 64.886 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.816 | 330  | 483636   | 97.995 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.334  | 172  | 1921602  | 64.026 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.098 | 244  | 2109781  | 68.413 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.934  | 88   | 349459   | 42.148 | ng    | 96       |
| 3) Pyridine                   | 3.681  | 79   | 881388   | 40.048 | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.657  | 42   | 326261   | 39.246 | ng    | 83       |
| 6) Aniline                    | 6.640  | 93   | 934553   | 35.500 | ng    | 96       |
| 8) 2-Chlorophenol             | 6.763  | 128  | 707635   | 45.487 | ng    | 99       |
| 9) Benzaldehyde               | 6.522  | 77   | 377812   | 35.792 | ng    | 99       |
| 10) Phenol                    | 6.628  | 94   | 934985   | 41.689 | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.710  | 93   | 781469   | 45.136 | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.916  | 146  | 770896   | 46.177 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.992  | 146  | 772623   | 46.349 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.145  | 146  | 708083   | 44.261 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.116  | 79   | 640794   | 42.533 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.245  | 45   | 942832   | 42.704 | ng    | 97       |
| 17) 2-Methylphenol            | 7.228  | 107  | 600501   | 41.360 | ng    | 98       |
| 18) Hexachloroethane          | 7.481  | 117  | 306479   | 47.060 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.387  | 70   | 469832   | 39.025 | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.381  | 107  | 648248   | 34.560 | ng    | 96       |
| 22) Acetophenone              | 7.381  | 105  | 917352   | 42.036 | ng    | 96       |
| 24) Nitrobenzene              | 7.563  | 77   | 836542   | 42.879 | ng    | 98       |
| 25) Isophorone                | 7.798  | 82   | 1571385  | 44.931 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.875  | 139  | 410691   | 47.711 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.910  | 122  | 622557   | 45.825 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.998  | 93   | 952043   | 46.534 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.116  | 162  | 618994   | 45.803 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.198  | 180  | 698051   | 47.569 | ng    | 99       |
| 31) Naphthalene               | 8.281  | 128  | 1928502  | 43.527 | ng    | 99       |
| 32) Benzoic acid              | 8.045  | 122  | 439344m  | 41.595 | ng    |          |
| 33) 4-Chloroaniline           | 8.328  | 127  | 389453m  | 20.512 | ng    |          |
| 34) Hexachlorobutadiene       | 8.387  | 225  | 446686   | 47.902 | ng    | 99       |
| 35) Caprolactam               | 8.716  | 113  | 207056m  | 46.474 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.816  | 107  | 663973   | 44.737 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 8.975  | 142  | 1293346  | 42.834 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.075  | 142  | 1193723  | 42.304 | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.139  | 216  | 693862   | 46.407 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.122  | 237  | 799169   | 98.545 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.251  | 196  | 461007   | 45.497 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031323\  
 Data File : BF132756.D  
 Acq On : 13 Mar 2023 12:33  
 Operator : CG\JU  
 Sample : PB151350BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB151350BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 03/14/2023  
 Supervised By : Jagrut Upadhyay 03/14/2023

Quant Time: Mar 14 01:28:20 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 13:44:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.298  | 196  | 490554   | 41.480 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.439  | 154  | 1545141  | 44.671 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.463  | 162  | 1240025  | 45.217 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.563  | 65   | 398068   | 39.412 | ng    | 92       |
| 49) Acenaphthylene            | 9.881  | 152  | 1864442  | 42.718 | ng    | 100      |
| 50) Dimethylphthalate         | 9.733  | 163  | 1477832  | 44.413 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.804  | 165  | 331634   | 43.763 | ng    | 93       |
| 52) Acenaphthene              | 10.057 | 154  | 1299747m | 46.898 | ng    |          |
| 53) 3-Nitroaniline            | 9.975  | 138  | 243633   | 28.741 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 10.086 | 184  | 359231   | 75.336 | ng    | 99       |
| 55) Dibenzofuran              | 10.228 | 168  | 1682043  | 41.631 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.145 | 139  | 445424   | 70.458 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.210 | 165  | 431312   | 42.782 | ng    | 99       |
| 58) Fluorene                  | 10.575 | 166  | 1305940  | 42.257 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.345 | 232  | 391792   | 44.598 | ng    | 97       |
| 60) Diethylphthalate          | 10.433 | 149  | 1390716  | 42.794 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.557 | 204  | 708910   | 44.218 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.598 | 138  | 337309   | 40.537 | ng    | 92       |
| 63) Azobenzene                | 10.722 | 77   | 1429676  | 41.539 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.622 | 198  | 246681   | 44.035 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.681 | 169  | 1163436  | 45.097 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.051 | 248  | 446908   | 47.744 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.122 | 284  | 493799   | 50.134 | ng    | 98       |
| 69) Atrazine                  | 11.204 | 200  | 405079   | 50.295 | ng    | 99       |
| 70) Pentachlorophenol         | 11.322 | 266  | 446038   | 76.114 | ng    | 98       |
| 71) Phenanthrene              | 11.539 | 178  | 1852892  | 43.221 | ng    | 100      |
| 72) Anthracene                | 11.592 | 178  | 1901995  | 43.084 | ng    | 99       |
| 73) Carbazole                 | 11.745 | 167  | 1702710  | 42.779 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.063 | 149  | 2140198  | 45.840 | ng    | 99       |
| 75) Fluoranthene              | 12.733 | 202  | 1996903  | 42.609 | ng    | 99       |
| 77) Benzidine                 | 12.851 | 184  | 933358   | 73.536 | ng    | 100      |
| 78) Pyrene                    | 12.969 | 202  | 2031150  | 42.847 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.569 | 149  | 888872   | 47.515 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.157 | 228  | 1744289  | 44.710 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.116 | 252  | 340387   | 29.594 | ng    | # 98     |
| 83) Chrysene                  | 14.198 | 228  | 1614201  | 44.247 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.121 | 149  | 1206113  | 52.484 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.745 | 149  | 1938172  | 57.715 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.292 | 276  | 1484593  | 46.805 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.245 | 252  | 1588329  | 48.962 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.280 | 252  | 1367518  | 43.073 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.639 | 252  | 1298049  | 42.753 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.304 | 278  | 1216208  | 47.061 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.774 | 276  | 1243143  | 42.748 | ng    | 99       |

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

## Manual Integrations

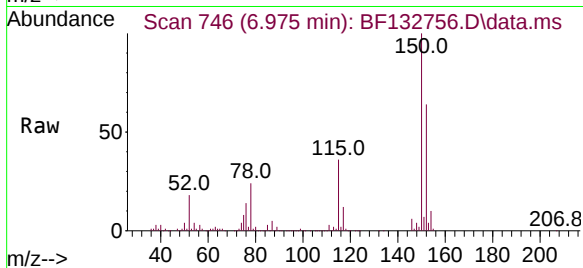
Quant Time: Mar 14 01:28:20 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022223.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 13 13:44:13 2023  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.975 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

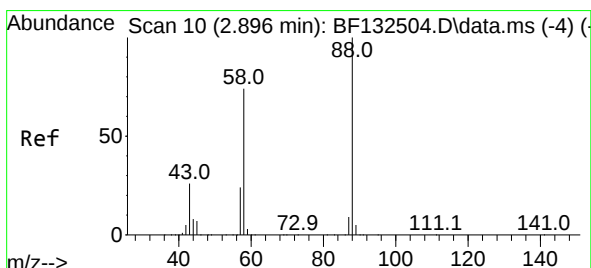
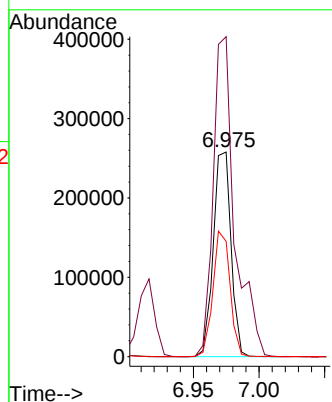
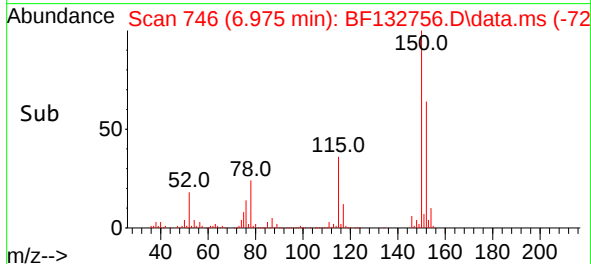
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:152 Resp: 243268  
Ion Ratio Lower Upper  
152 100  
150 156.4 125.4 188.2  
115 56.4 47.8 71.6

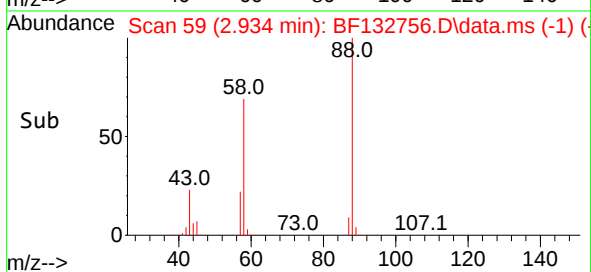
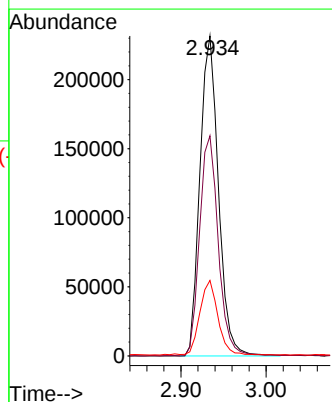
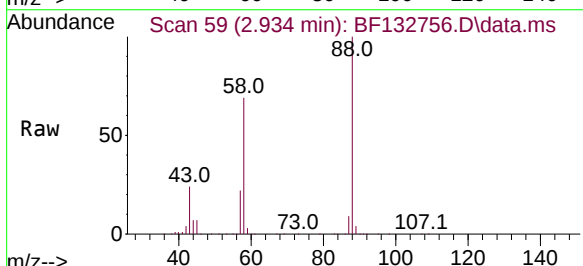
Manual Integrations  
APPROVED

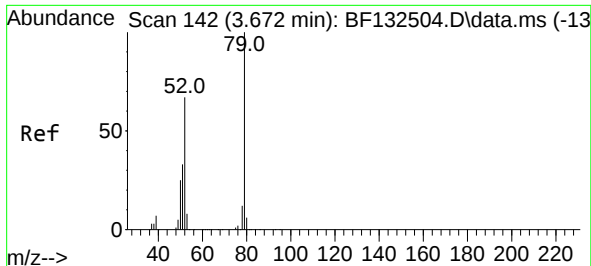
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#2  
1,4-Dioxane  
Concen: 42.148 ng  
RT: 2.934 min Scan# 59  
Delta R.T. 0.112 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

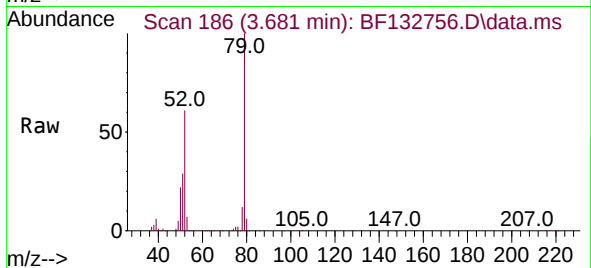
Tgt Ion: 88 Resp: 349459  
Ion Ratio Lower Upper  
88 100  
58 69.4 58.3 87.5  
43 23.1 20.7 31.1





#3  
Pyridine  
Concen: 40.048 ng  
RT: 3.681 min Scan# 186  
Delta R.T. 0.077 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

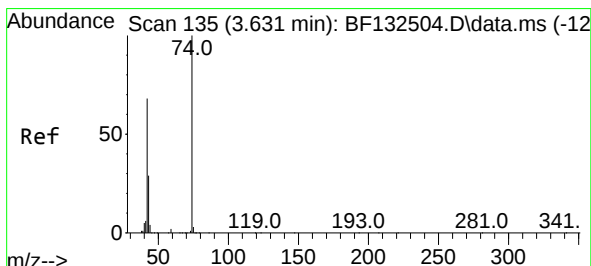
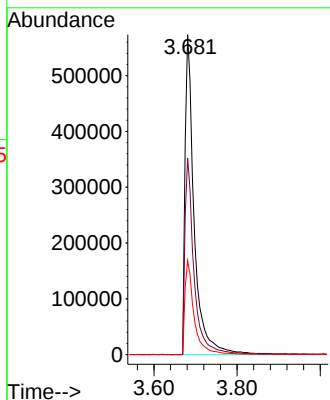
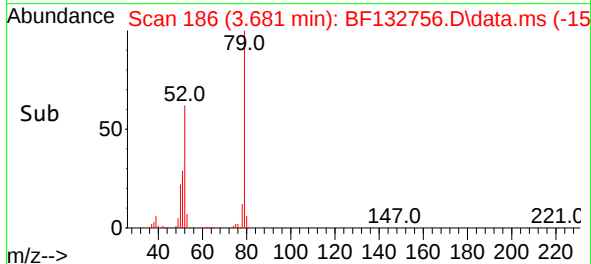
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



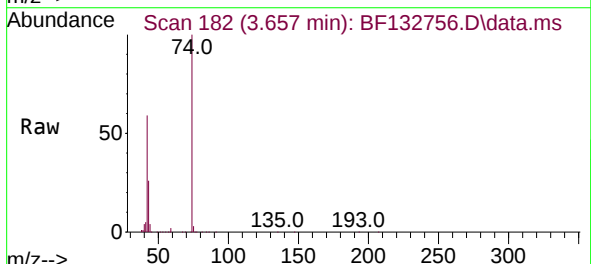
Tgt Ion: 79 Resp: 881388  
Ion Ratio Lower Upper  
79 100  
52 61.5 53.7 80.5  
51 29.4 26.6 40.0

Manual Integrations  
APPROVED

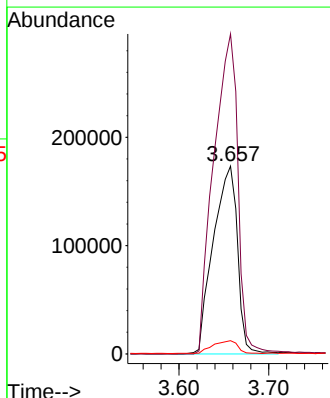
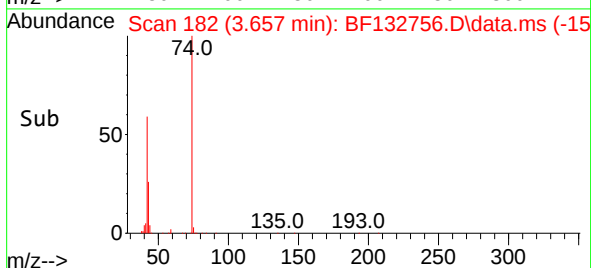
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#4  
n-Nitrosodimethylamine  
Concen: 39.246 ng  
RT: 3.657 min Scan# 182  
Delta R.T. 0.082 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



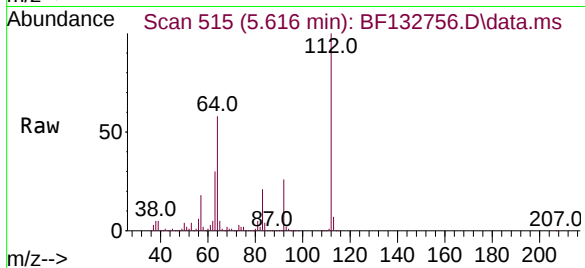
Tgt Ion: 42 Resp: 326261  
Ion Ratio Lower Upper  
42 100  
74 170.4 118.2 177.2  
44 7.0 5.3 7.9





#5  
2-Fluorophenol  
Concen: 95.550 ng  
RT: 5.616 min Scan# 515  
Delta R.T. 0.018 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

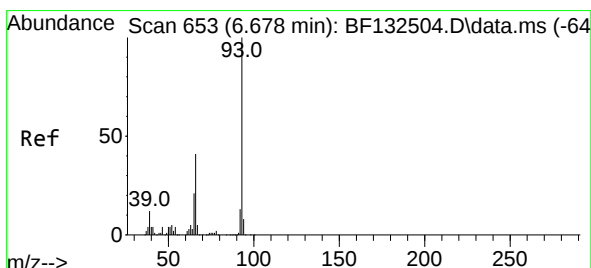
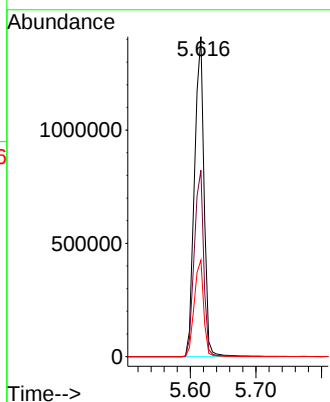
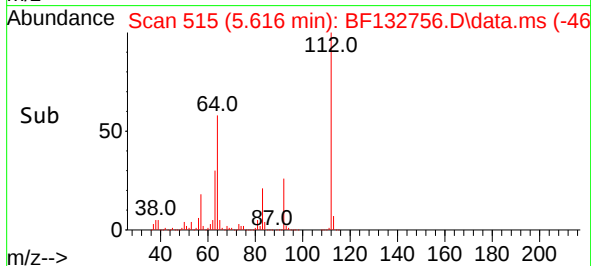
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion: 112 Resp: 1432202  
Ion Ratio Lower Upper  
112 100  
64 58.2 51.6 77.4  
63 30.2 27.4 41.2

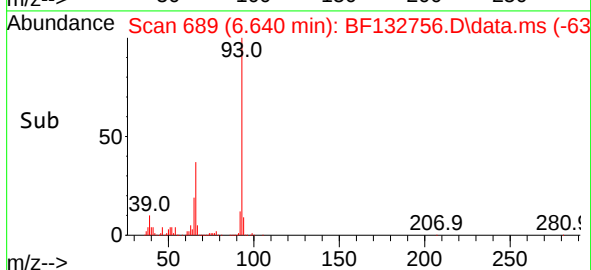
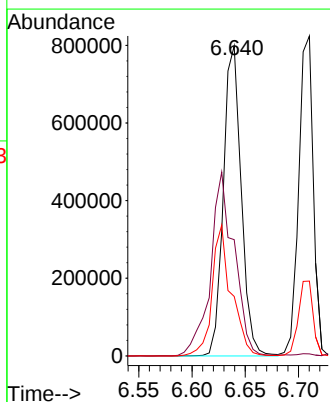
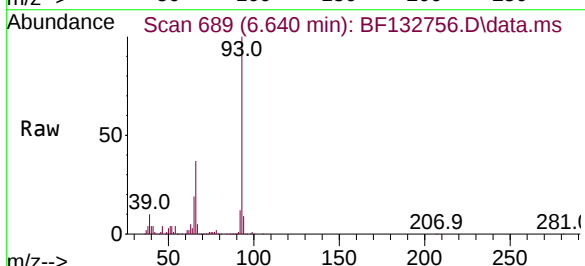
Manual Integrations  
APPROVED

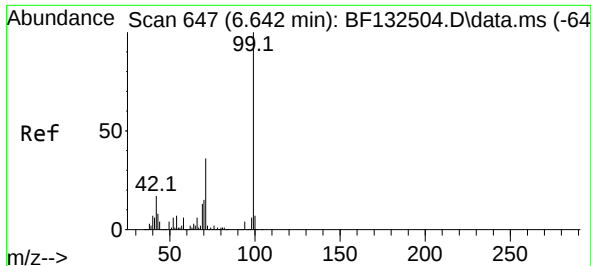
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#6  
Aniline  
Concen: 35.500 ng  
RT: 6.640 min Scan# 689  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

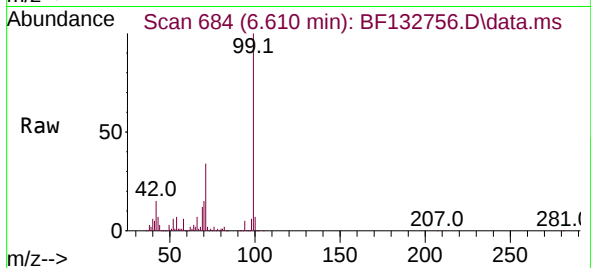
Tgt Ion: 93 Resp: 934553  
Ion Ratio Lower Upper  
93 100  
66 37.5 32.5 48.7  
65 19.2 16.6 24.8





#7  
Phenol-d6  
Concen: 93.709 ng  
RT: 6.610 min Scan# 684  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

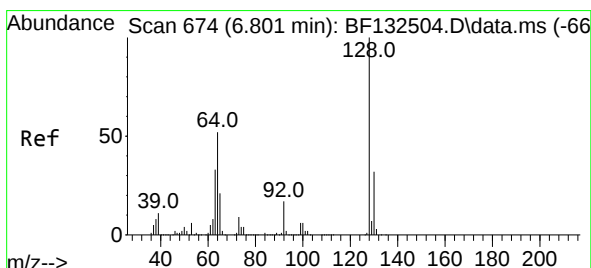
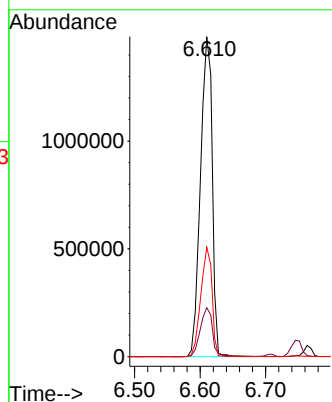
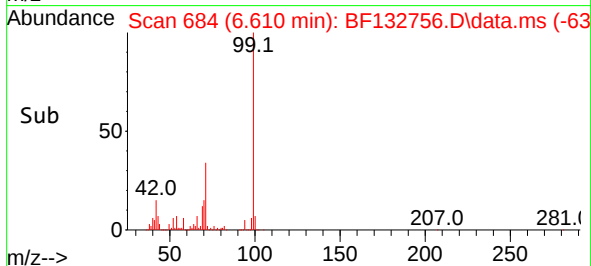
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



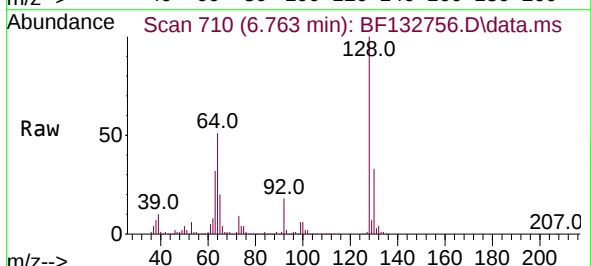
Tgt Ion: 99 Resp: 183313  
Ion Ratio Lower Upper  
99 100  
42 15.3 13.9 20.9  
71 34.2 28.5 42.7

Manual Integrations  
APPROVED

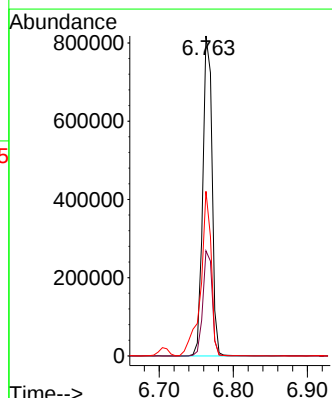
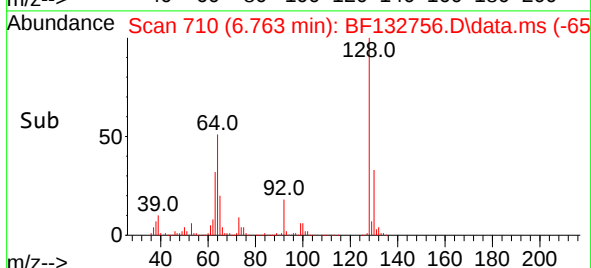
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#8  
2-Chlorophenol  
Concen: 45.487 ng  
RT: 6.763 min Scan# 710  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



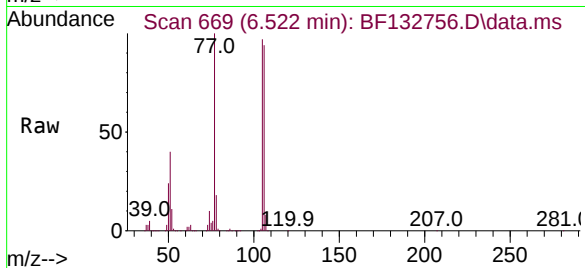
Tgt Ion:128 Resp: 707635  
Ion Ratio Lower Upper  
128 100  
130 32.8 12.1 52.1  
64 51.4 32.0 72.0





#9  
Benzaldehyde  
Concen: 35.792 ng  
RT: 6.522 min Scan# 60  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

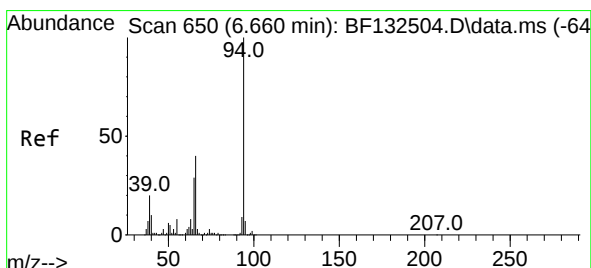
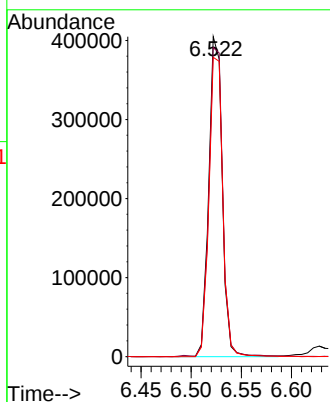
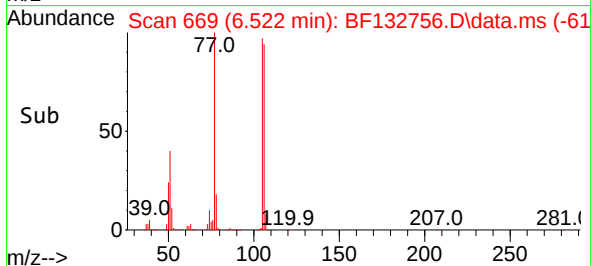
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion: 77 Resp: 377812  
Ion Ratio Lower Upper  
77 100  
105 96.6 77.9 117.9  
106 93.6 73.4 113.4

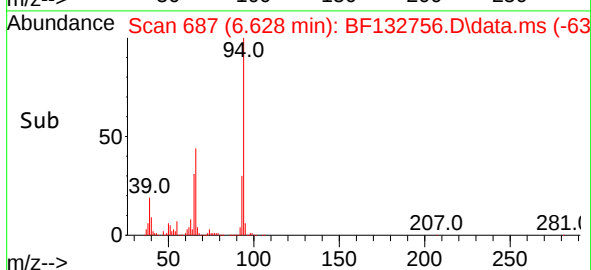
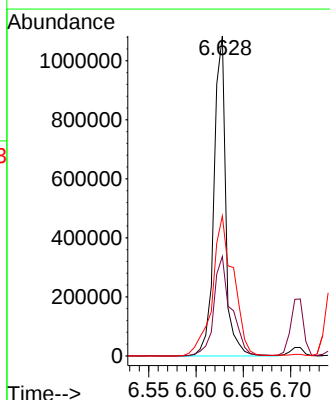
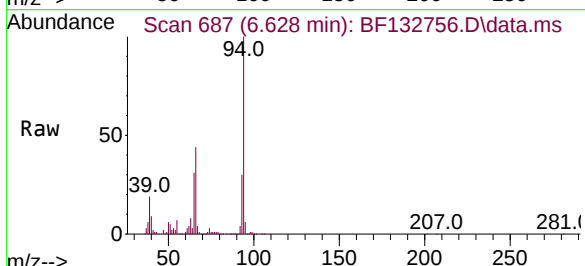
Manual Integrations  
APPROVED

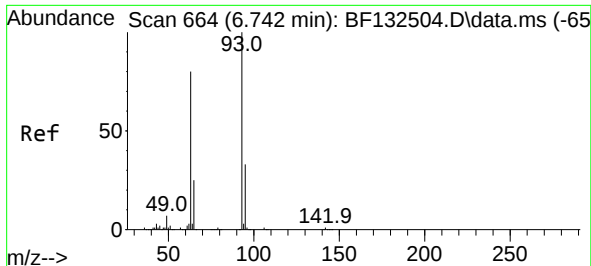
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#10  
Phenol  
Concen: 41.689 ng  
RT: 6.628 min Scan# 687  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

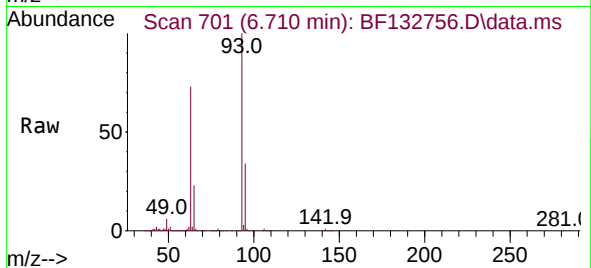
Tgt Ion: 94 Resp: 934985  
Ion Ratio Lower Upper  
94 100  
65 31.1 9.4 49.4  
66 43.7 19.8 59.8





#11  
bis(2-Chloroethyl)ether  
Concen: 45.136 ng  
RT: 6.710 min Scan# 701  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

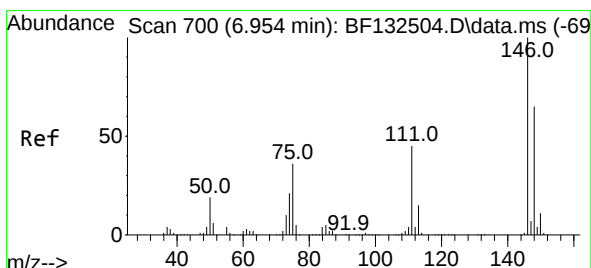
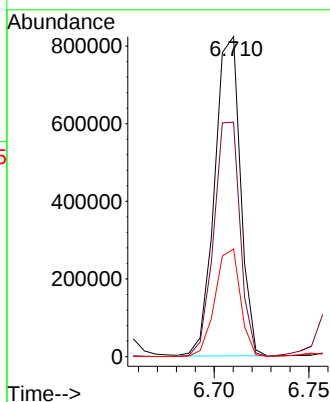
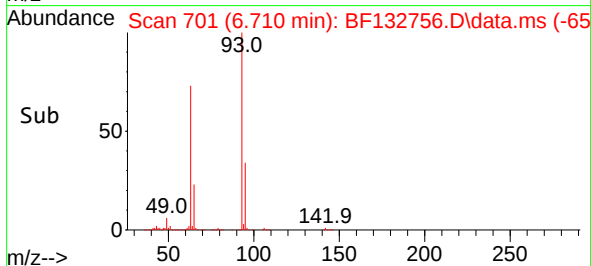
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



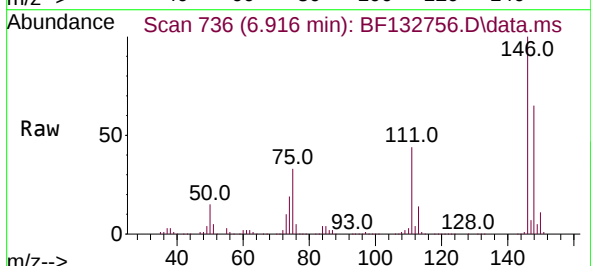
Tgt Ion: 93 Resp: 781469  
Ion Ratio Lower Upper  
93 100  
63 73.3 59.6 99.6  
95 33.7 12.8 52.8

Manual Integrations  
APPROVED

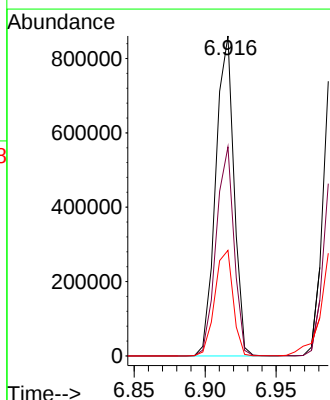
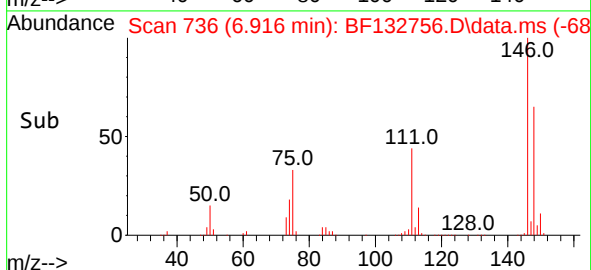
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

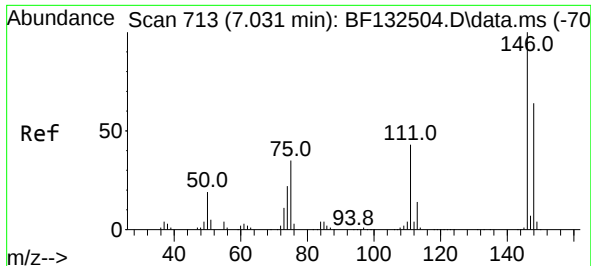


#12  
1,3-Dichlorobenzene  
Concen: 46.177 ng  
RT: 6.916 min Scan# 736  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:146 Resp: 770896  
Ion Ratio Lower Upper  
146 100  
148 65.3 51.9 77.9  
75 33.0 28.9 43.3





#13

1,4-Dichlorobenzene

Concen: 46.349 ng

RT: 6.992 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:146 Resp: 772623

Ion Ratio Lower Upper

146 100

148 64.5 51.1 76.7

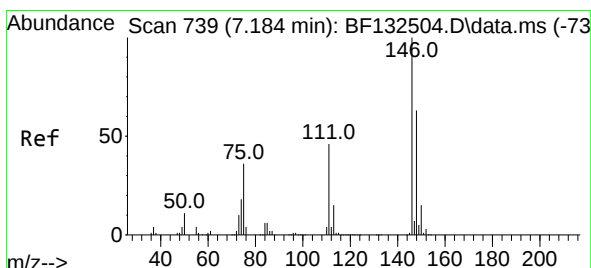
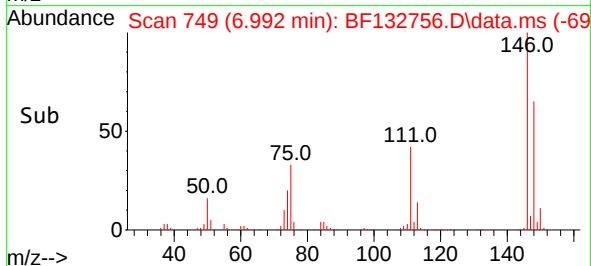
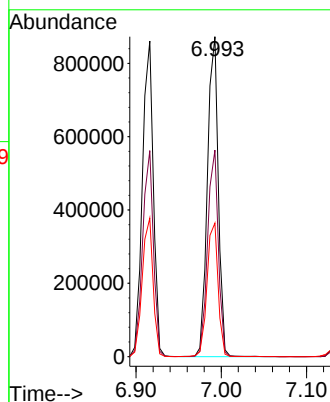
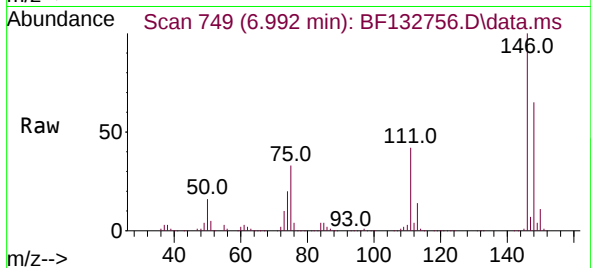
111 41.7 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#14

1,2-Dichlorobenzene

Concen: 44.261 ng

RT: 7.145 min Scan# 775

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

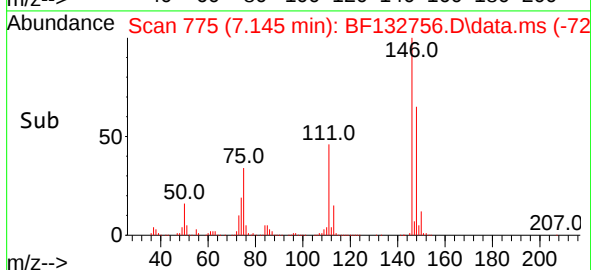
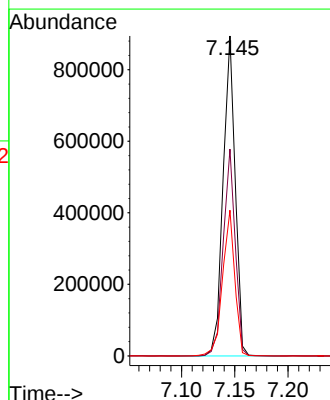
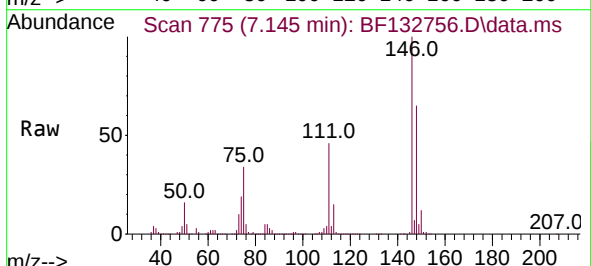
Tgt Ion:146 Resp: 708083

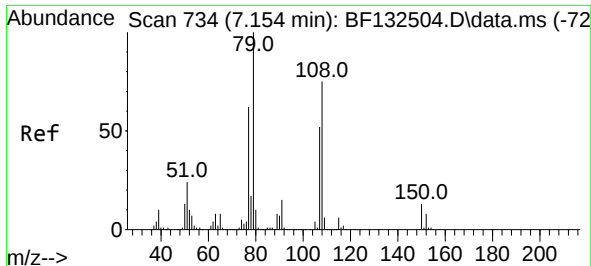
Ion Ratio Lower Upper

146 100

148 64.6 50.6 75.8

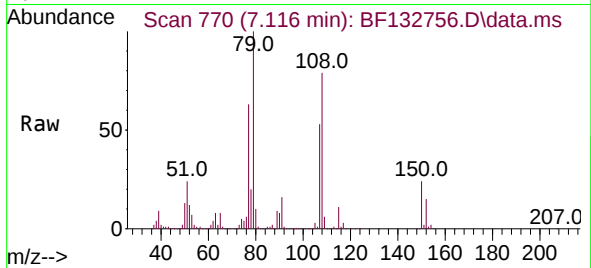
111 45.5 37.2 55.8





#15  
Benzyl Alcohol  
Concen: 42.533 ng  
RT: 7.116 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

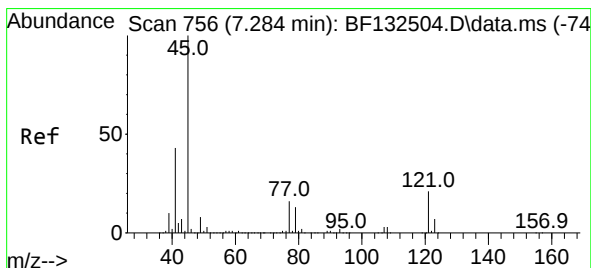
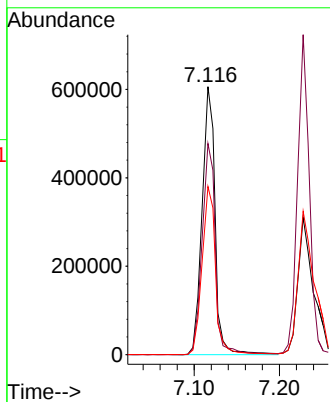
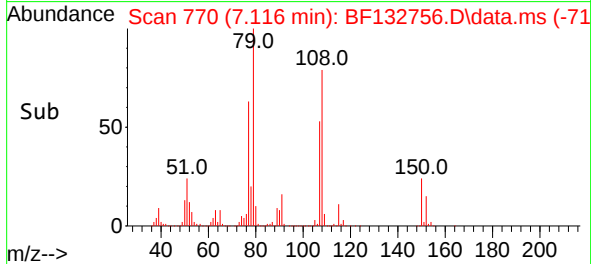
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



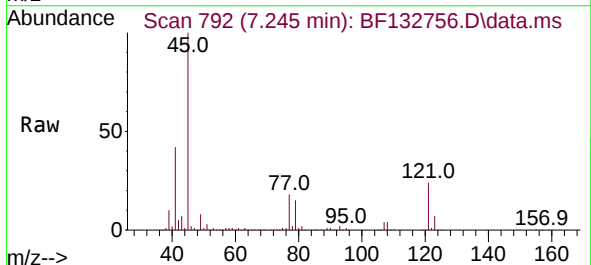
Tgt Ion: 79 Resp: 640794  
Ion Ratio Lower Upper  
79 100  
108 78.8 60.2 90.4  
77 62.8 49.9 74.9

Manual Integrations  
APPROVED

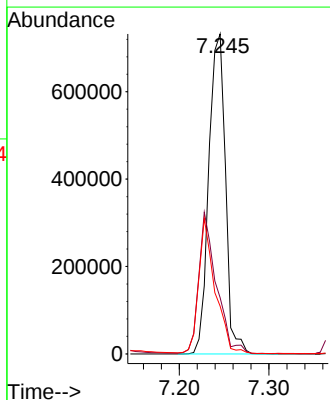
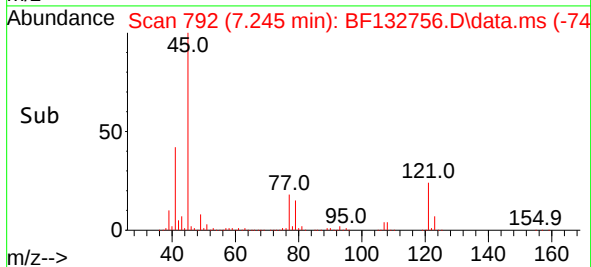
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

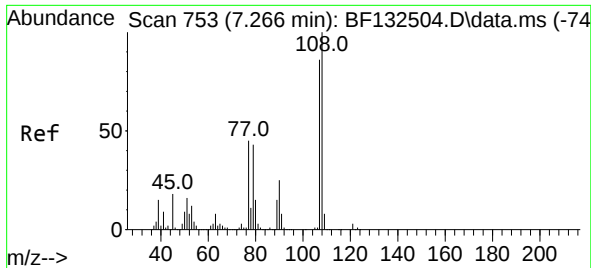


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.704 ng  
RT: 7.245 min Scan# 792  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



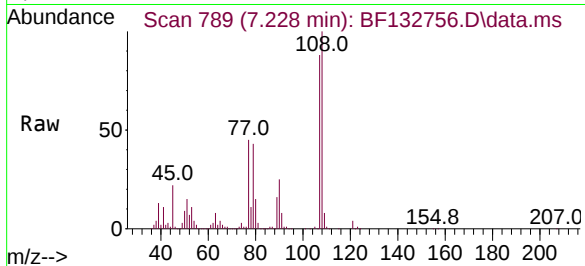
Tgt Ion: 45 Resp: 942832  
Ion Ratio Lower Upper  
45 100  
77 17.6 0.0 36.4  
79 14.9 0.0 33.4





#17  
2-Methylphenol  
Concen: 41.360 ng  
RT: 7.228 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

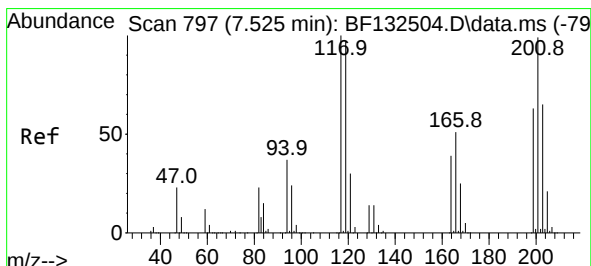
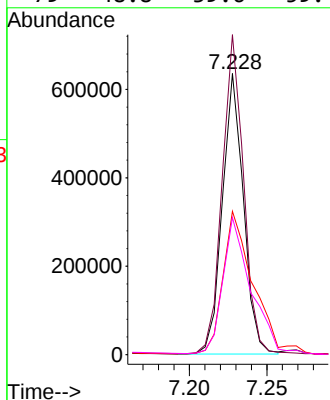
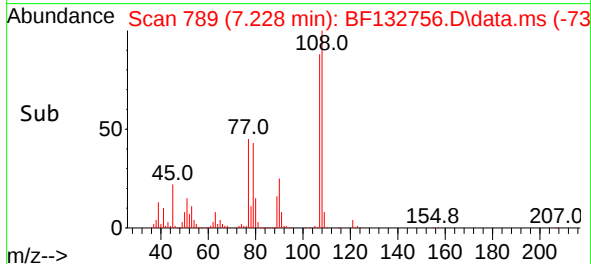
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



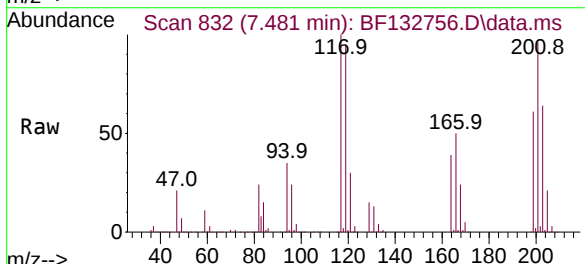
Tgt Ion:107 Resp: 600501  
Ion Ratio Lower Upper  
107 100  
108 113.8 93.0 139.4  
77 51.0 42.1 63.1  
79 48.8 39.6 59.4

Manual Integrations  
APPROVED

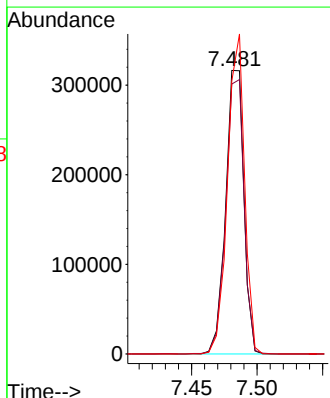
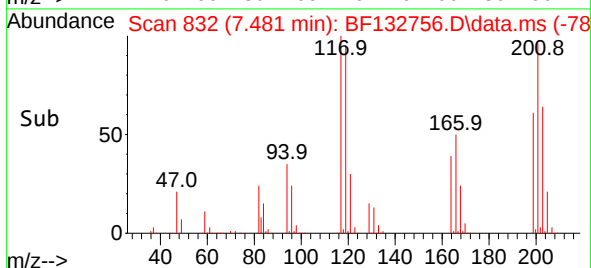
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

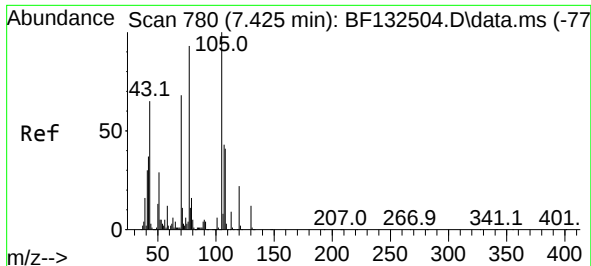


#18  
Hexachloroethane  
Concen: 47.060 ng  
RT: 7.481 min Scan# 832  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



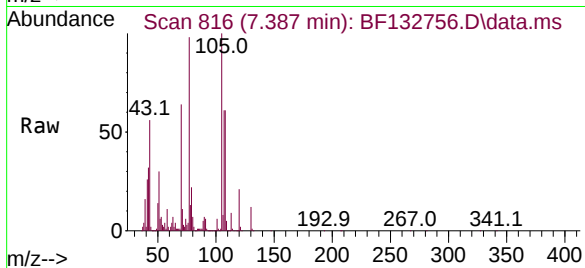
Tgt Ion:117 Resp: 306479  
Ion Ratio Lower Upper  
117 100  
119 95.2 78.0 117.0  
201 96.2 79.0 118.4





#19  
n-Nitroso-di-n-propylamine  
Concen: 39.025 ng  
RT: 7.387 min Scan# 815  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

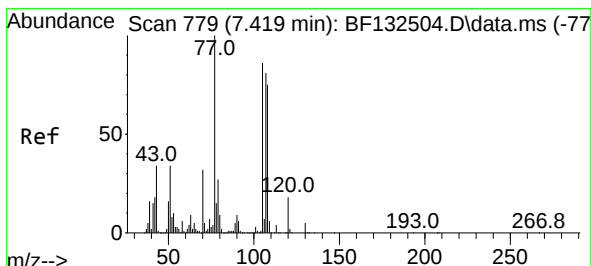
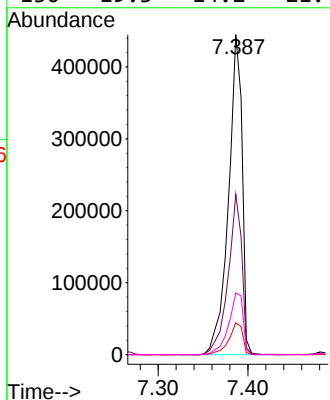
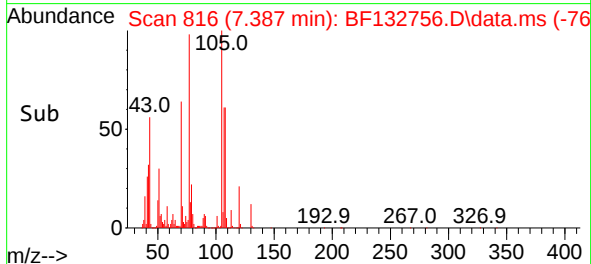
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



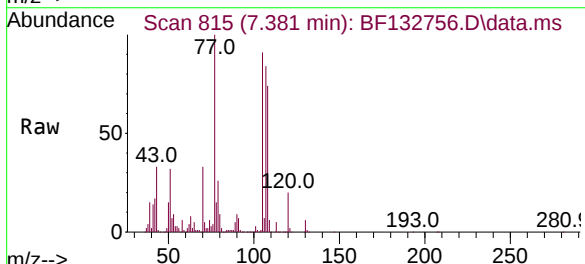
Tgt Ion: 70 Resp: 469832  
Ion Ratio Lower Upper  
70 100  
42 50.1 44.1 66.1  
101 10.0 7.4 11.2  
130 19.3 14.2 21.4

Manual Integrations  
APPROVED

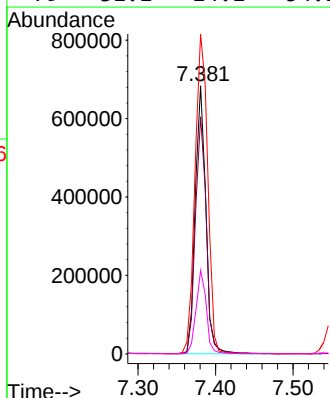
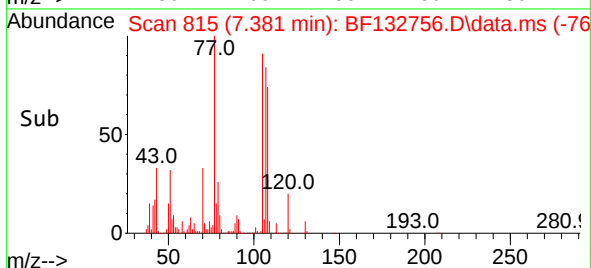
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

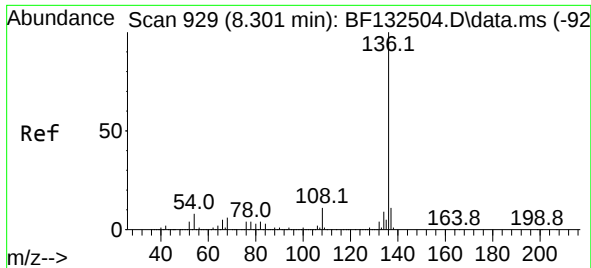


#20  
3+4-Methylphenols  
Concen: 34.560 ng  
RT: 7.381 min Scan# 815  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



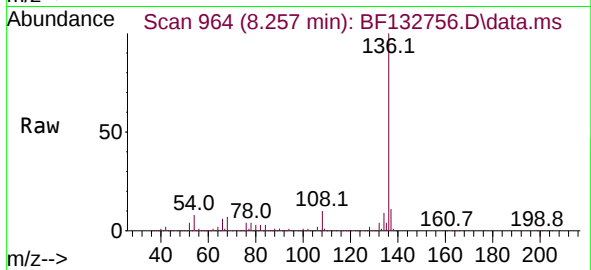
Tgt Ion: 107 Resp: 648248  
Ion Ratio Lower Upper  
107 100  
108 88.4 72.6 112.6  
77 119.4 104.0 144.0  
79 31.1 14.1 54.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.257 min Scan# 904  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

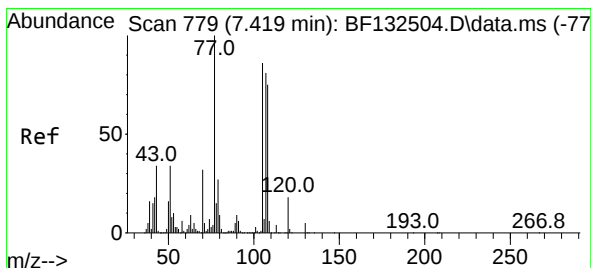
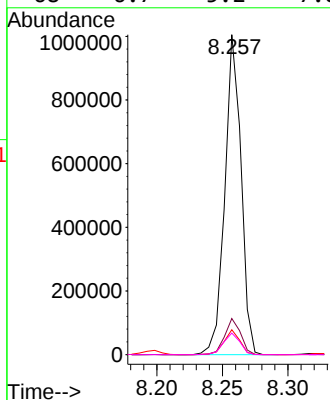
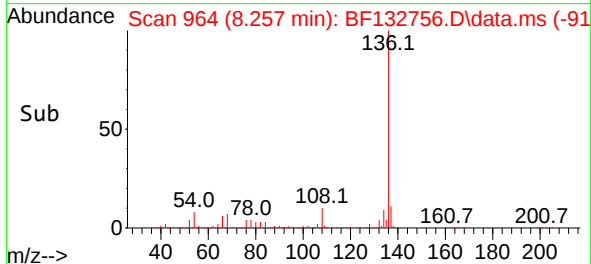
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



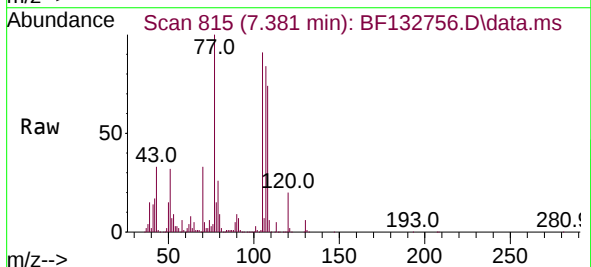
Tgt Ion:136 Resp: 865462  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.9 13.3  
54 7.8 6.2 9.4  
68 6.7 5.2 7.8

Manual Integrations  
APPROVED

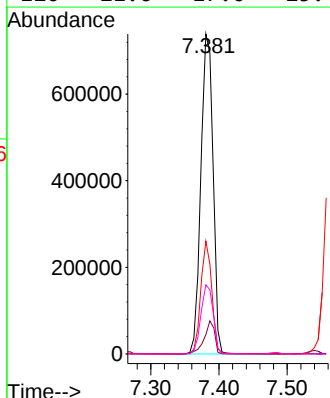
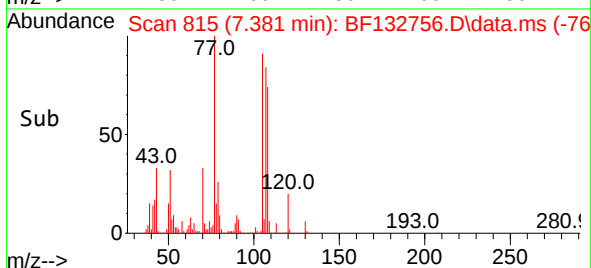
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

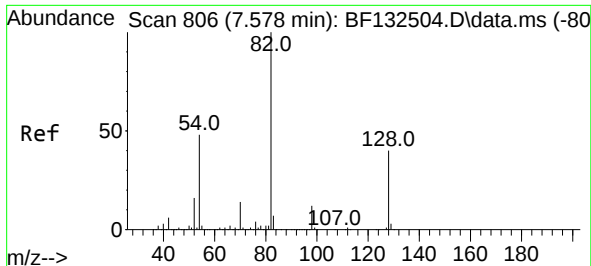


#22  
Acetophenone  
Concen: 42.036 ng  
RT: 7.381 min Scan# 815  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:105 Resp: 917352  
Ion Ratio Lower Upper  
105 100  
71 6.0 5.0 7.4  
51 35.2 31.5 47.3  
120 21.6 17.0 25.4





#23

Nitrobenzene-d5

Concen: 64.886 ng

RT: 7.540 min Scan# 842

Delta R.T. -0.006 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion: 82 Resp: 1183624

Ion Ratio Lower Upper

82 100

128 43.3 32.2 48.2

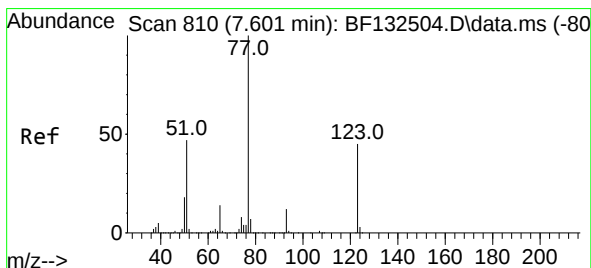
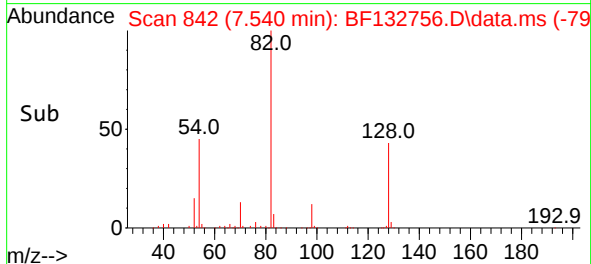
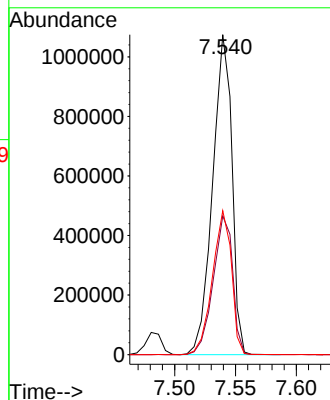
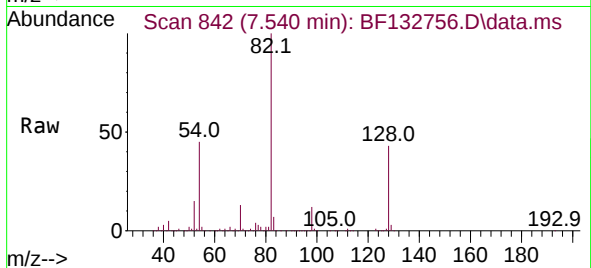
54 45.0 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#24

Nitrobenzene

Concen: 42.879 ng

RT: 7.563 min Scan# 846

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

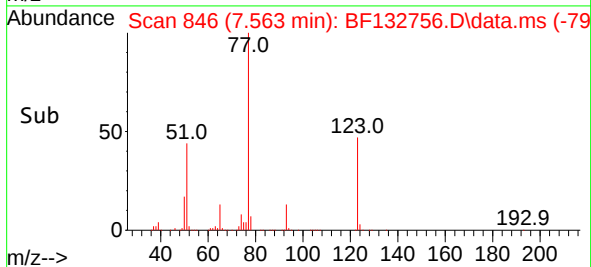
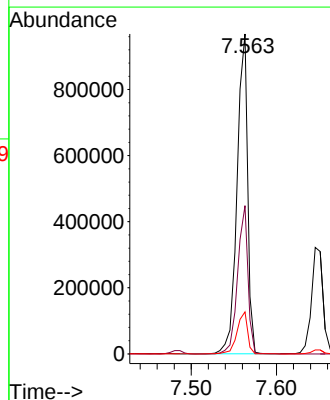
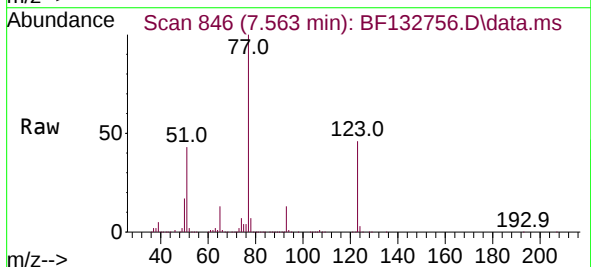
Tgt Ion: 77 Resp: 836542

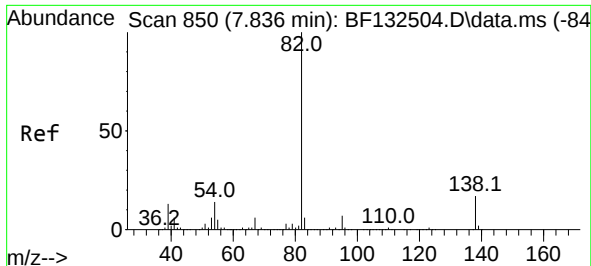
Ion Ratio Lower Upper

77 100

123 46.3 35.8 53.6

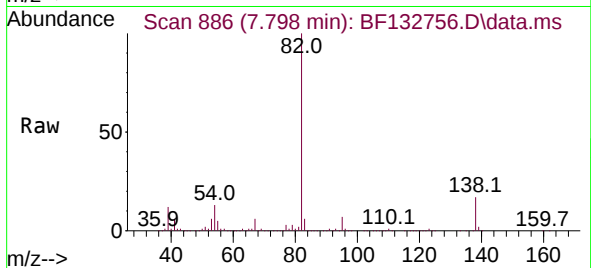
65 13.1 10.9 16.3





#25  
Isophorone  
Concen: 44.931 ng  
RT: 7.798 min Scan# 886  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

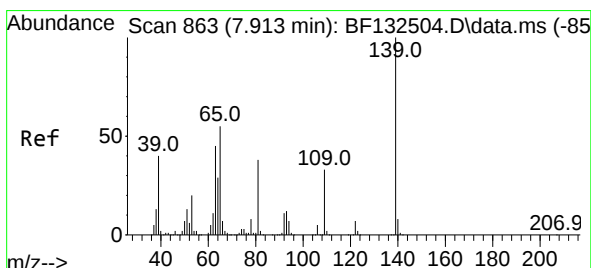
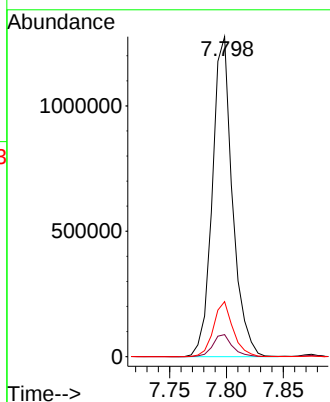
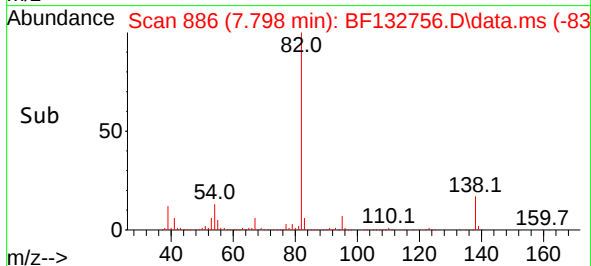
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion: 82 Resp: 1571385  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.7 8.5  
138 17.2 13.3 19.9

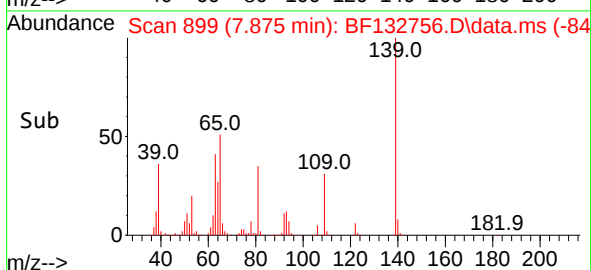
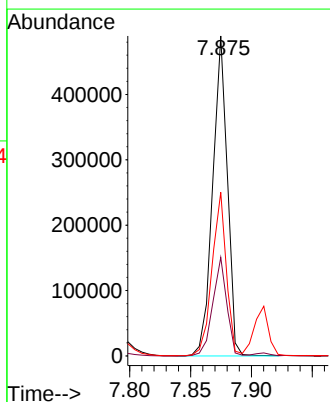
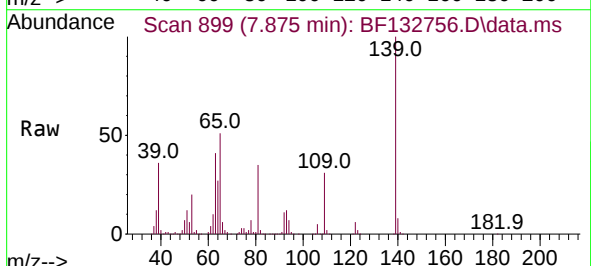
Manual Integrations  
APPROVED

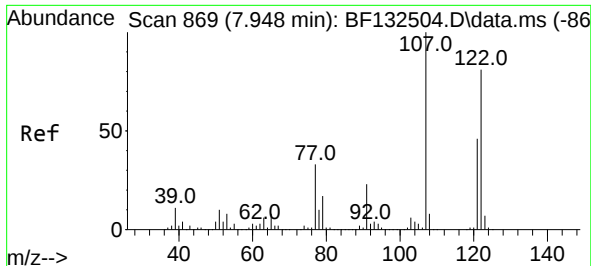
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#26  
2-Nitrophenol  
Concen: 47.711 ng  
RT: 7.875 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:139 Resp: 410691  
Ion Ratio Lower Upper  
139 100  
109 30.8 26.2 39.2  
65 51.1 43.8 65.8





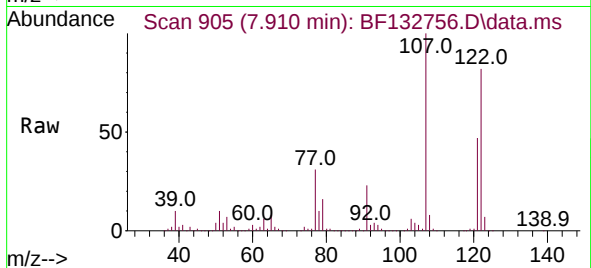
#27  
2,4-Dimethylphenol  
Concen: 45.825 ng  
RT: 7.910 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

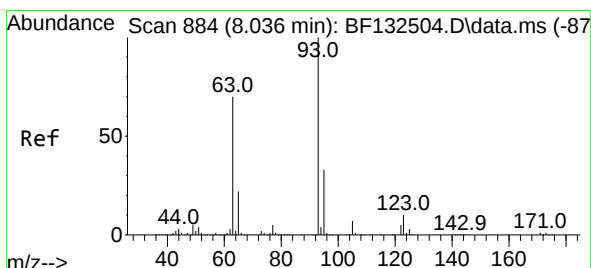
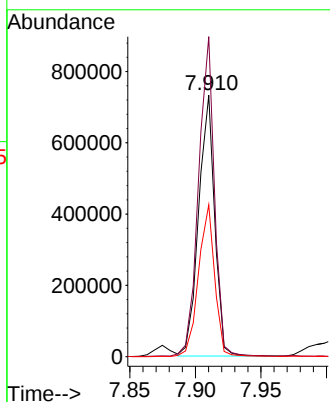
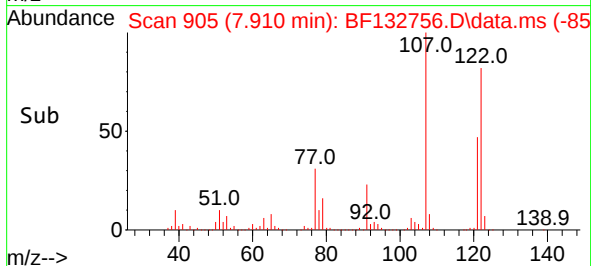
PB151350BS



Tgt Ion:122 Resp: 62255  
Ion Ratio Lower Upper  
122 100  
107 122.4 98.7 148.1  
121 58.0 45.8 68.6

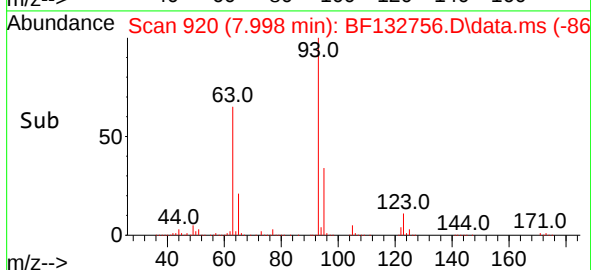
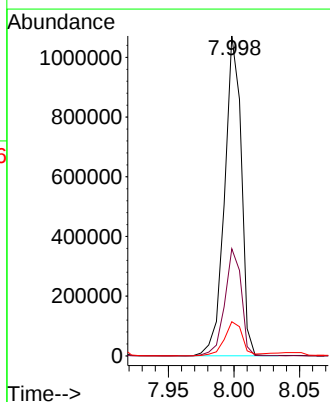
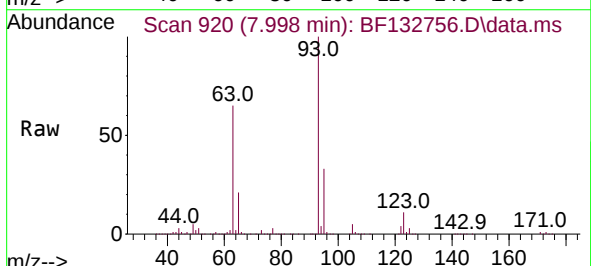
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 46.534 ng  
RT: 7.998 min Scan# 920  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion: 93 Resp: 952043  
Ion Ratio Lower Upper  
93 100  
95 33.5 26.3 39.5  
123 10.7 8.3 12.5





#29

2,4-Dichlorophenol

Concen: 45.803 ng

RT: 8.116 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

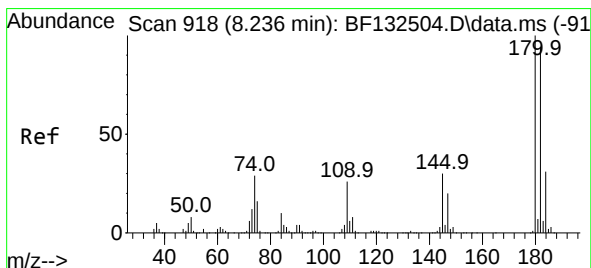
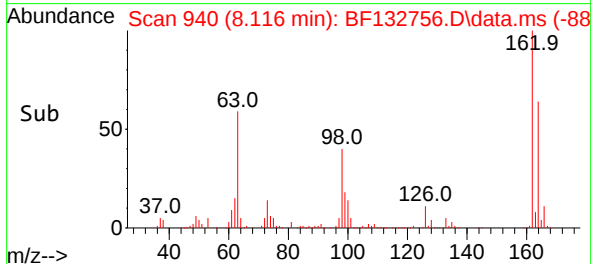
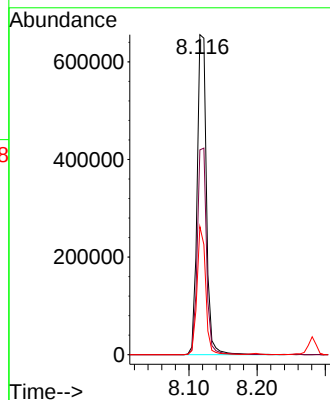
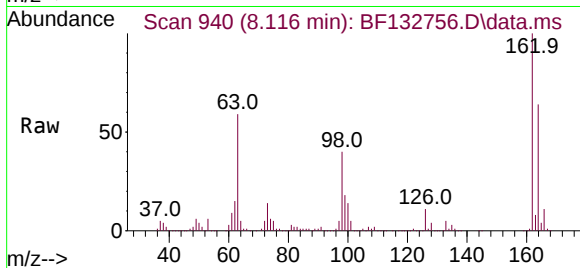
PB151350BS

Tgt Ion:162 Resp: 618994  
 Ion Ratio Lower Upper  
 162 100  
 164 64.0 45.3 85.3  
 98 40.0 17.9 57.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
 Supervised By :Jagrut Upadhyay 03/14/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.569 ng

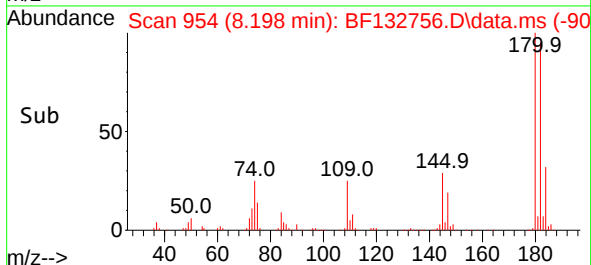
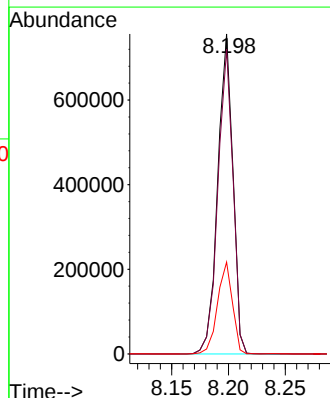
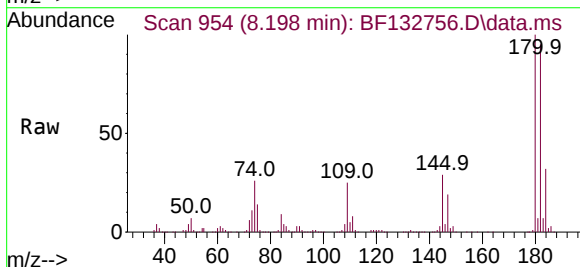
RT: 8.198 min Scan# 954

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Tgt Ion:180 Resp: 698051  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 75.1 112.7  
 145 28.7 23.8 35.6





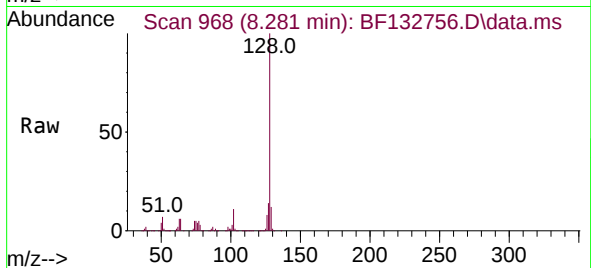
#31  
Naphthalene  
Concen: 43.527 ng  
RT: 8.281 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

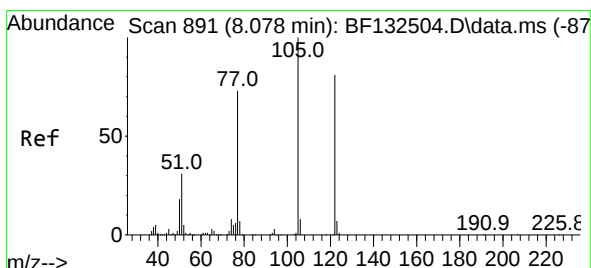
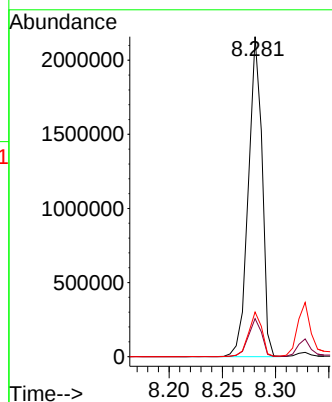
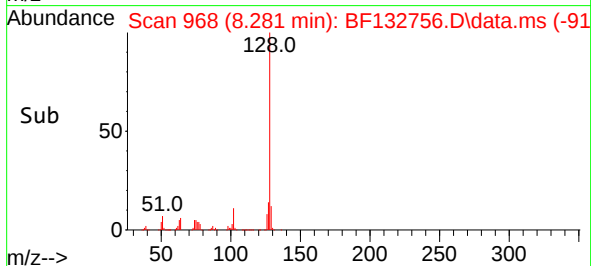


Tgt Ion:128 Resp: 1928502  
Ion Ratio Lower Upper  
128 100  
129 11.9 9.1 13.7  
127 13.9 11.0 16.6

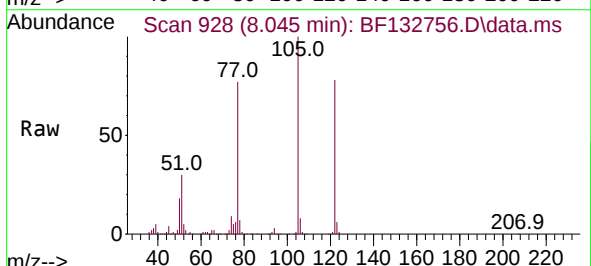
Manual Integrations

APPROVED

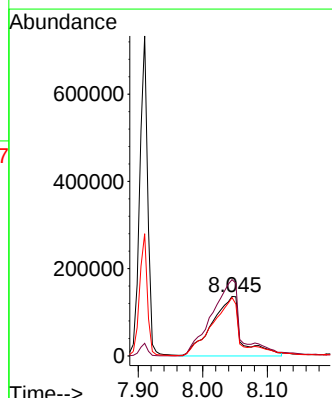
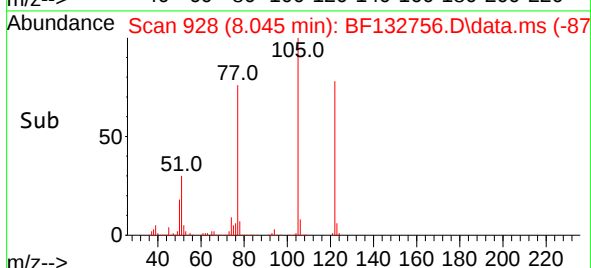
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

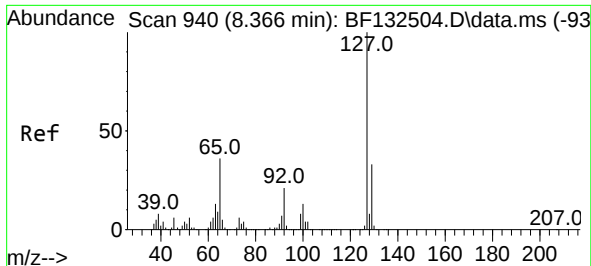


#32  
Benzoic acid  
Concen: 41.595 ng m  
RT: 8.045 min Scan# 928  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:122 Resp: 439344  
Ion Ratio Lower Upper  
122 100  
105 128.1 102.6 142.6  
77 98.0 70.2 110.2





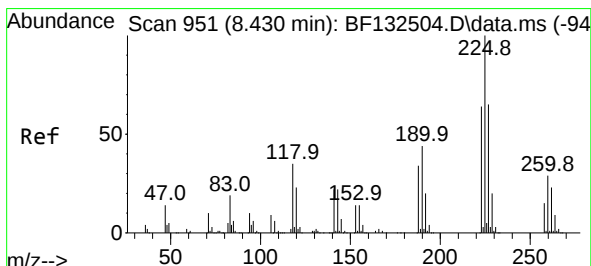
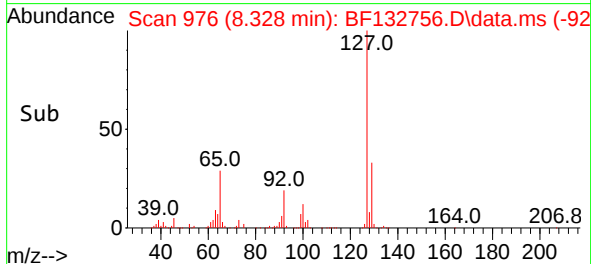
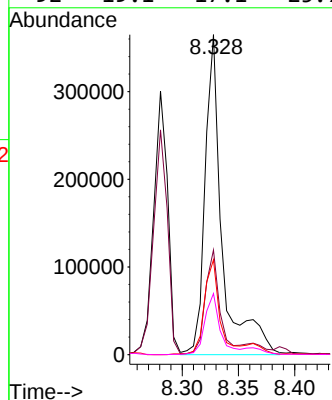
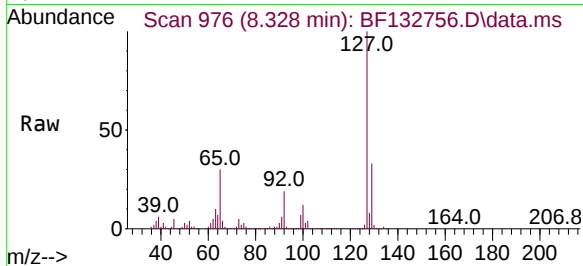
#33  
4-Chloroaniline  
Concen: 20.512 ng m  
RT: 8.328 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 38945 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.7  | 26.4  | 39.6  |
| 65        | 29.6  | 28.8  | 43.2  |
| 92        | 19.1  | 17.1  | 25.7  |

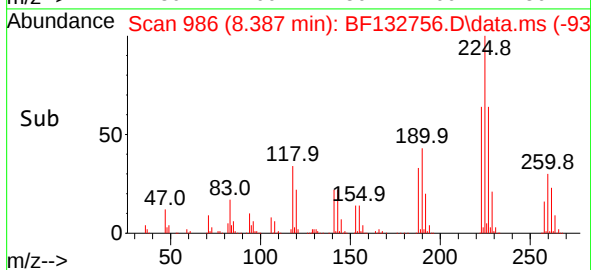
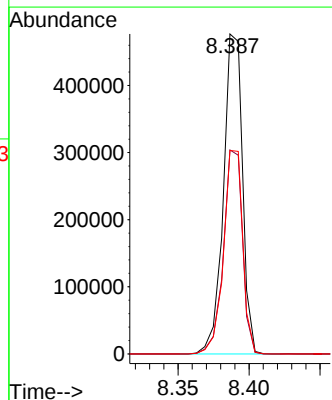
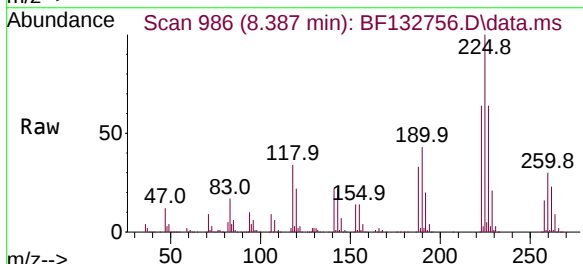
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#34  
Hexachlorobutadiene  
Concen: 47.902 ng  
RT: 8.387 min Scan# 986  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

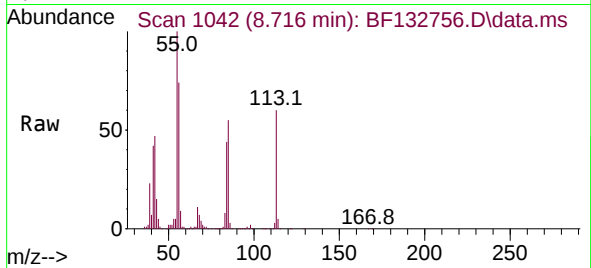
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 446686 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.7  | 51.0  | 76.4   |
| 227       | 63.6  | 51.7  | 77.5   |





#35  
Caprolactam  
Concen: 46.474 ng m  
RT: 8.716 min Scan# 10  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

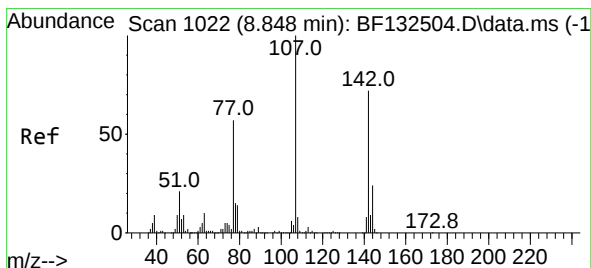
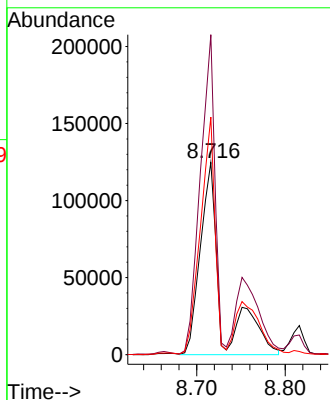
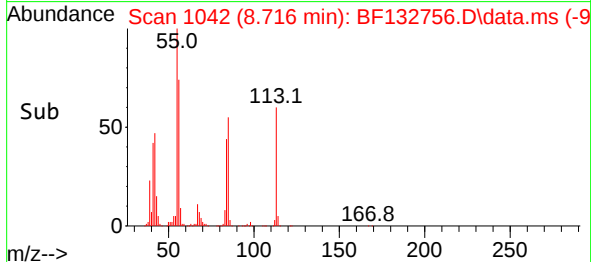
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:113 Resp: 207056  
Ion Ratio Lower Upper  
113 100  
55 166.4 149.4 189.4  
56 123.6 105.0 145.0

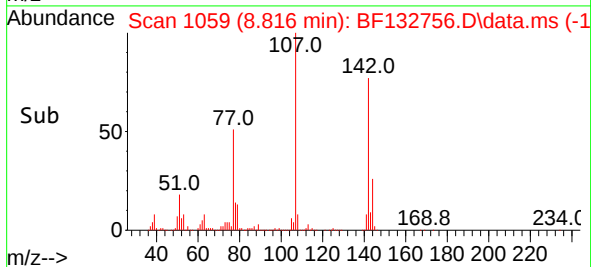
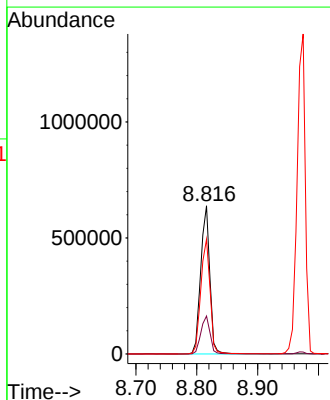
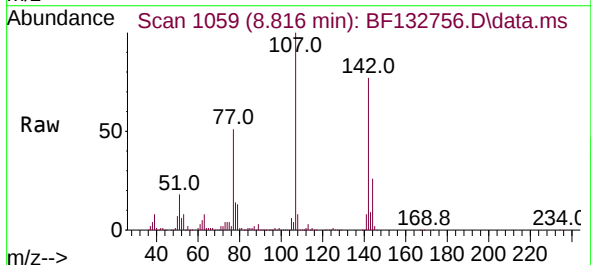
Manual Integrations  
APPROVED

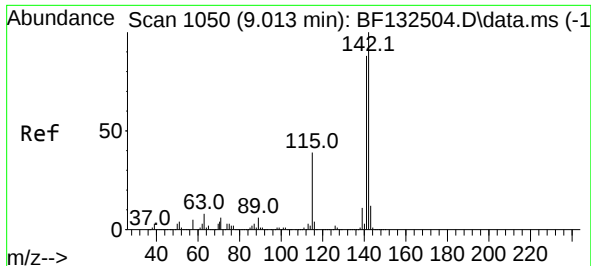
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#36  
4-Chloro-3-methylphenol  
Concen: 44.737 ng  
RT: 8.816 min Scan# 1059  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:107 Resp: 663973  
Ion Ratio Lower Upper  
107 100  
144 25.6 18.9 28.3  
142 77.4 57.9 86.9





#37

2-Methylnaphthalene

Concen: 42.834 ng

RT: 8.975 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:142 Resp: 1293346

Ion Ratio Lower Upper

142 100

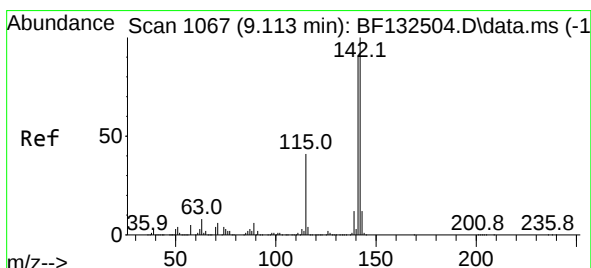
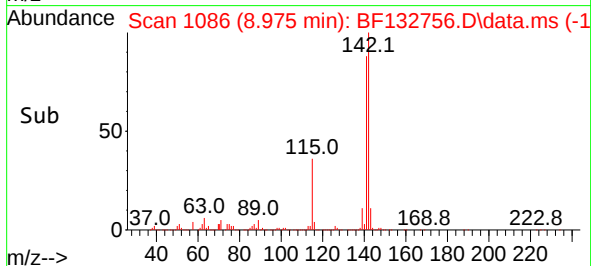
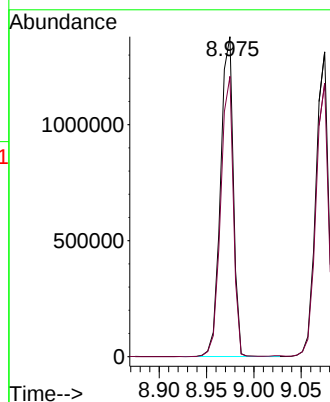
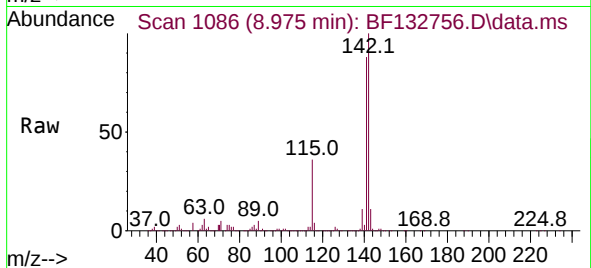
141 87.6 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#38

1-Methylnaphthalene

Concen: 42.304 ng

RT: 9.075 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF132756.D

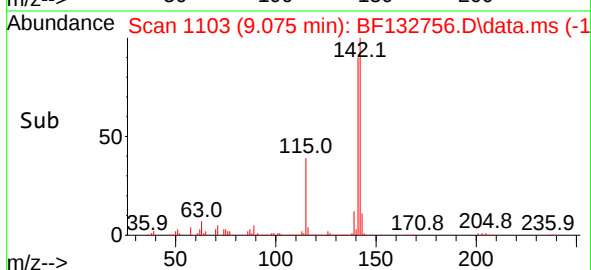
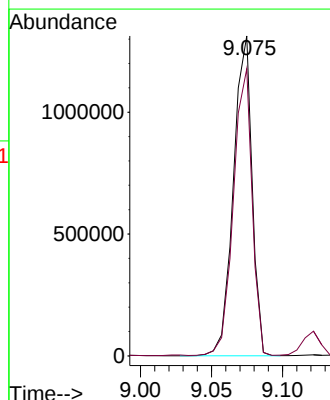
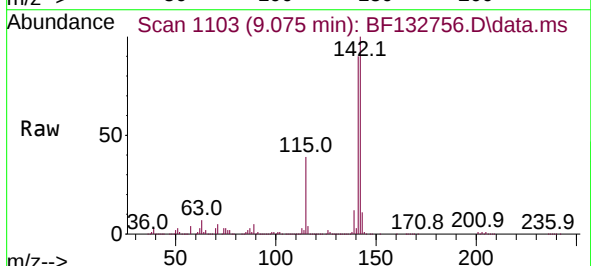
Acq: 13 Mar 2023 12:33

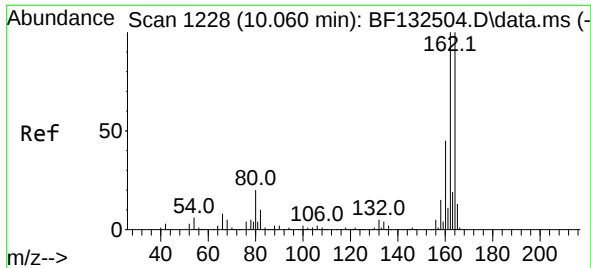
Tgt Ion:142 Resp: 1193723

Ion Ratio Lower Upper

142 100

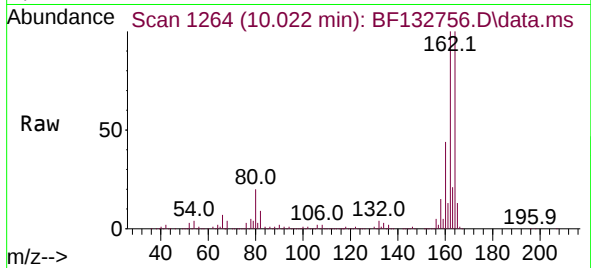
141 89.7 73.0 109.6





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.022 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

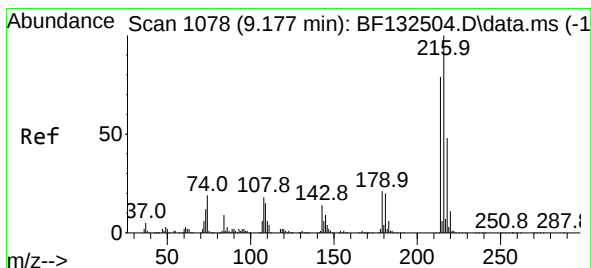
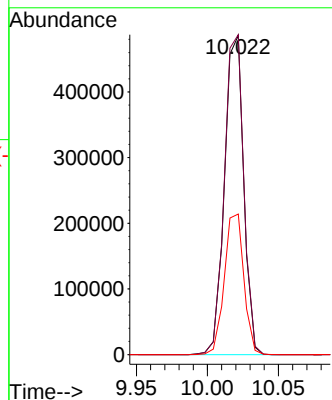
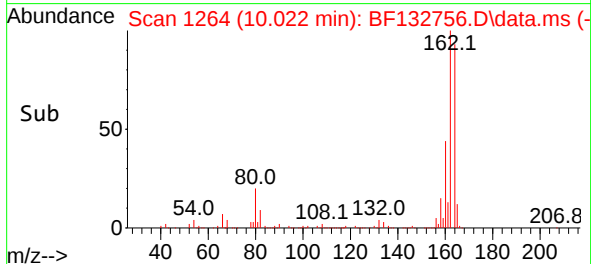
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



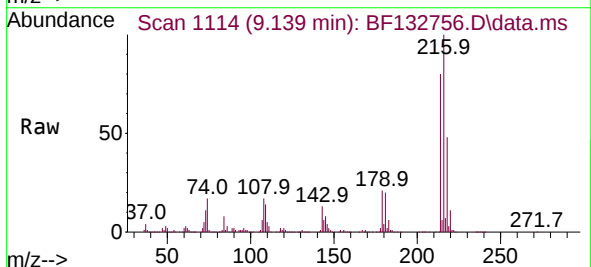
Tgt Ion:164 Resp: 456993  
Ion Ratio Lower Upper  
164 100  
162 100.3 79.8 119.8  
160 44.0 35.8 53.6

Manual Integrations  
APPROVED

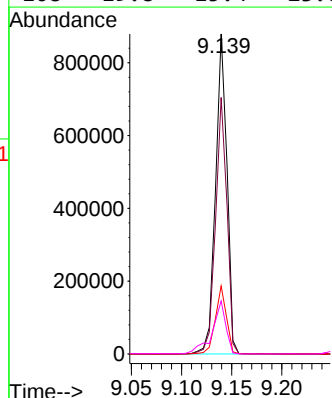
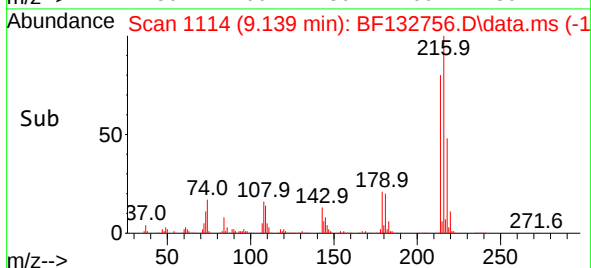
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

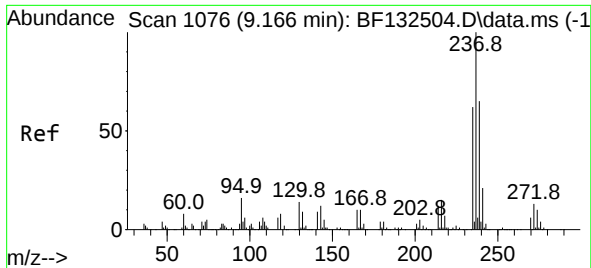


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.407 ng  
RT: 9.139 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



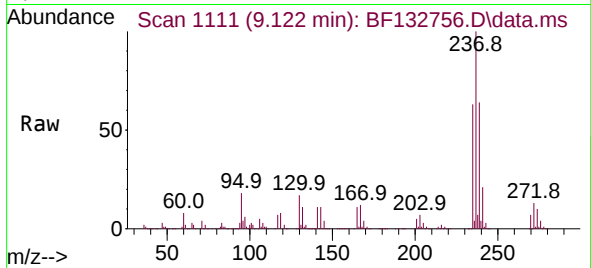
Tgt Ion:216 Resp: 693862  
Ion Ratio Lower Upper  
216 100  
214 79.8 63.0 94.6  
179 20.5 16.6 24.8  
108 19.8 15.4 23.0





#41  
Hexachlorocyclopentadiene  
Concen: 98.545 ng  
RT: 9.122 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

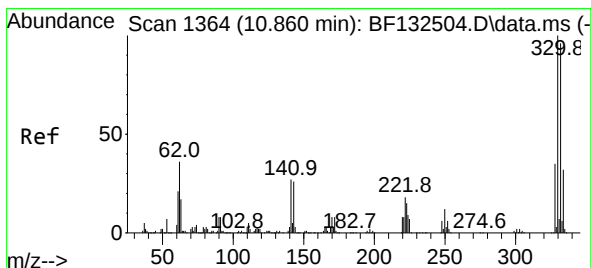
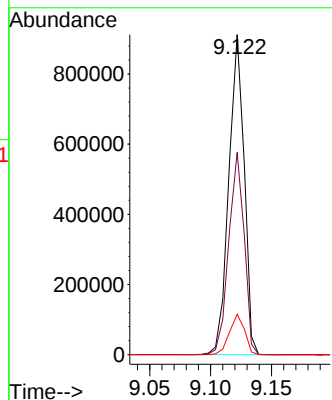
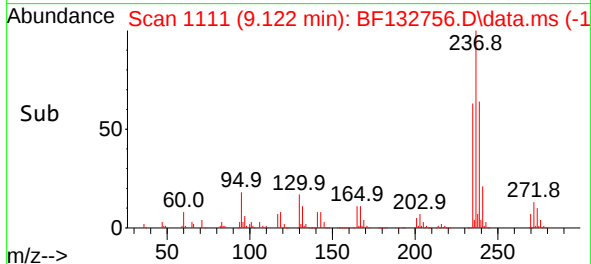
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



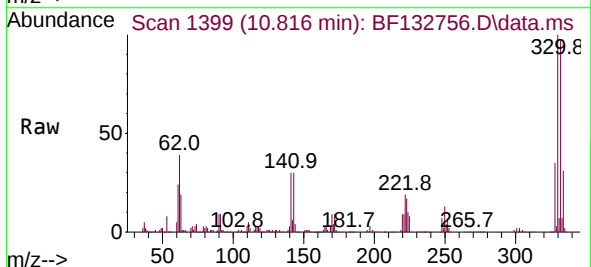
Tgt Ion: 237 Resp: 799169  
Ion Ratio Lower Upper  
237 100  
235 63.2 42.4 82.4  
272 12.6 0.0 32.7

Manual Integrations  
APPROVED

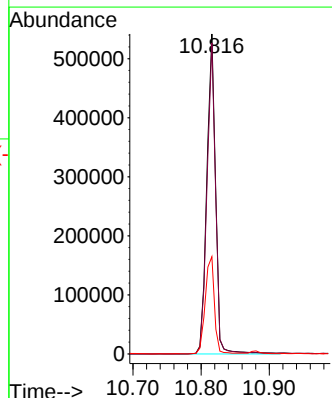
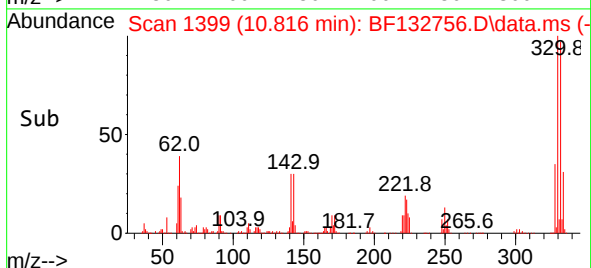
Reviewed By : Christian Giraldo 03/14/2023  
Supervised By : Jagrut Upadhyay 03/14/2023

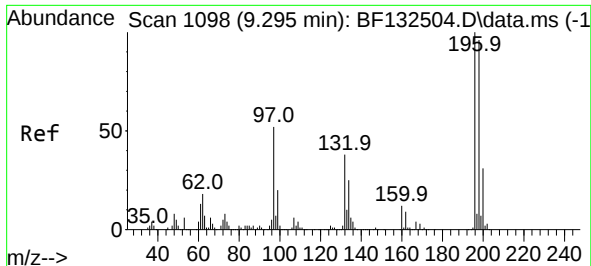


#42  
2,4,6-Tribromophenol  
Concen: 97.995 ng  
RT: 10.816 min Scan# 1399  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



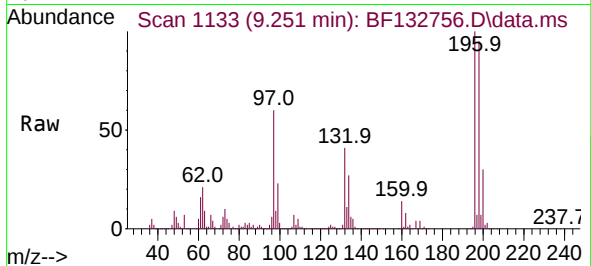
Tgt Ion: 330 Resp: 483636  
Ion Ratio Lower Upper  
330 100  
332 95.6 76.2 114.4  
141 32.1 28.4 42.6





#43  
2,4,6-Trichlorophenol  
Concen: 45.497 ng  
RT: 9.251 min Scan# 1111  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

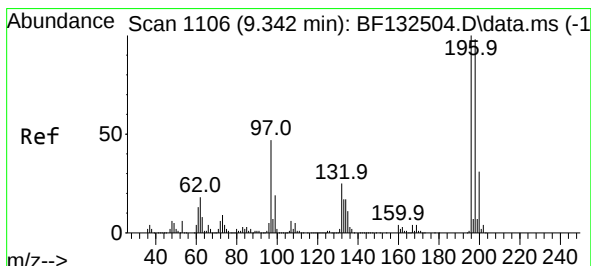
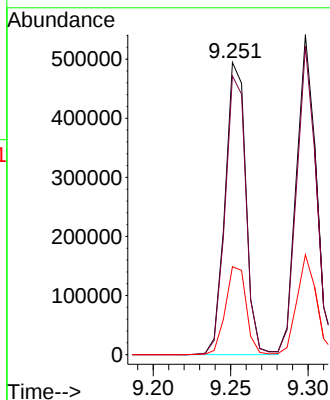
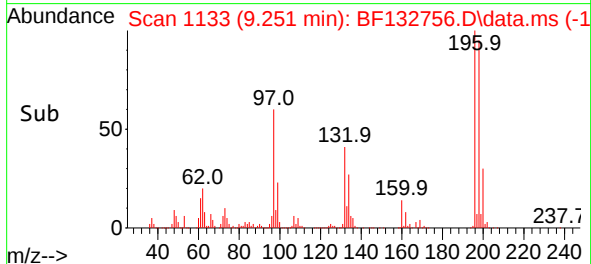
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:196 Resp: 461007  
Ion Ratio Lower Upper  
196 100  
198 95.3 77.1 115.7  
200 30.1 25.0 37.4

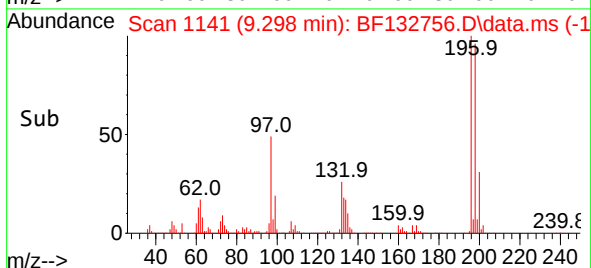
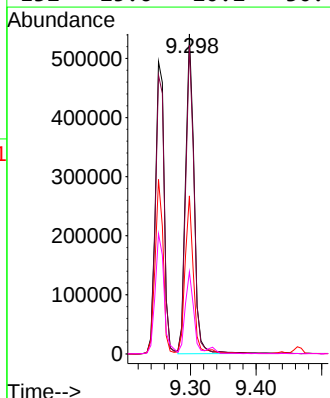
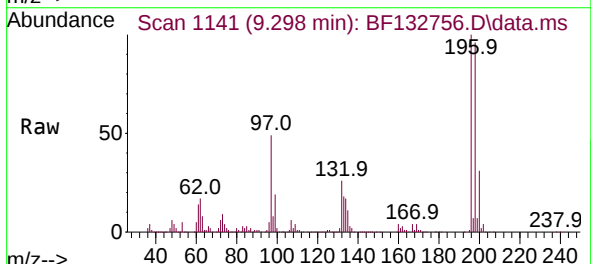
Manual Integrations  
APPROVED

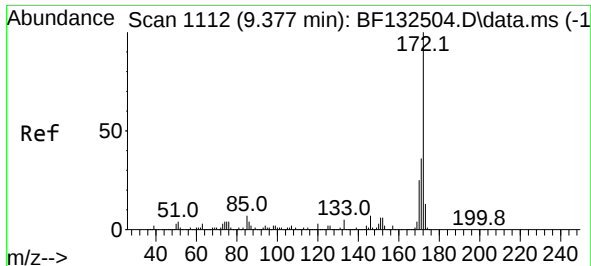
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#44  
2,4,5-Trichlorophenol  
Concen: 41.480 ng  
RT: 9.298 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:196 Resp: 490554  
Ion Ratio Lower Upper  
196 100  
198 96.4 78.3 117.5  
97 49.4 38.1 57.1  
132 25.6 20.2 30.4





#45  
2-Fluorobiphenyl  
Concen: 64.026 ng  
RT: 9.334 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

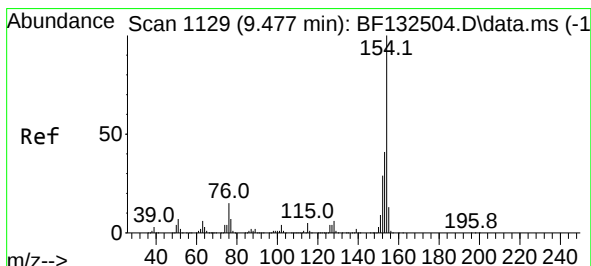
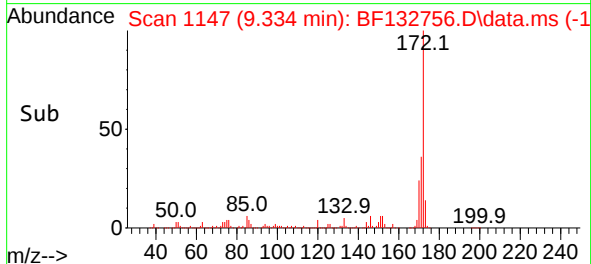
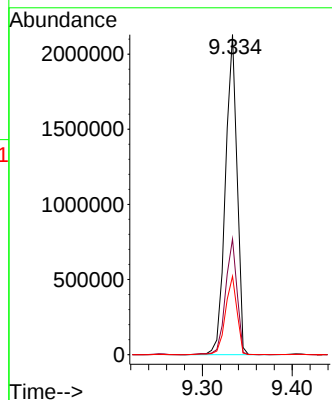
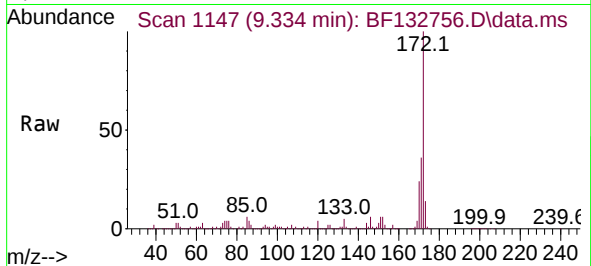
PB151350BS

Tgt Ion:172 Resp: 1921602  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.8 43.2  
170 24.5 19.7 29.5

Manual Integrations

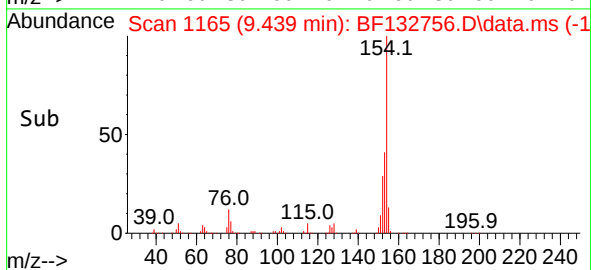
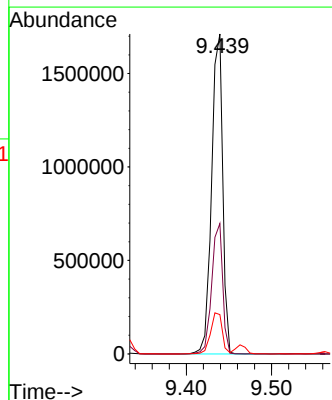
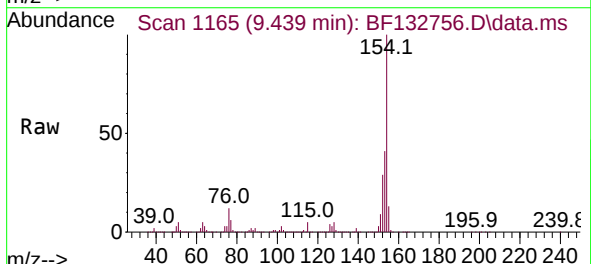
APPROVED

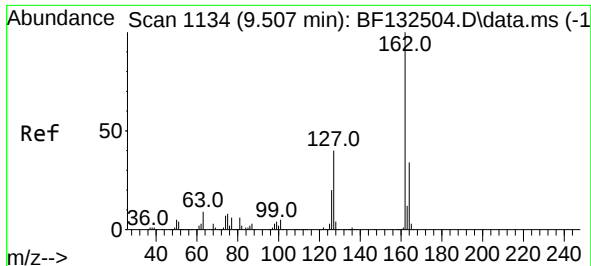
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#46  
1,1'-Biphenyl  
Concen: 44.671 ng  
RT: 9.439 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:154 Resp: 1545141  
Ion Ratio Lower Upper  
154 100  
153 40.8 20.9 60.9  
76 12.3 0.0 34.7





#47

2-Chloronaphthalene

Concen: 45.217 ng

RT: 9.463 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:162 Resp: 1240025

Ion Ratio Lower Upper

162 100

127 41.0 32.3 48.5

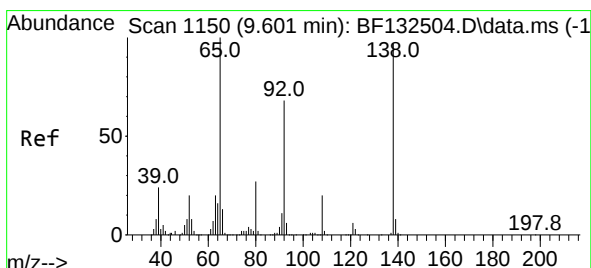
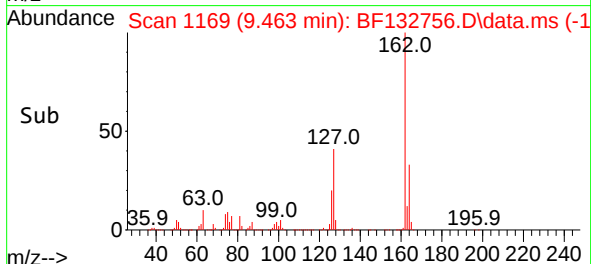
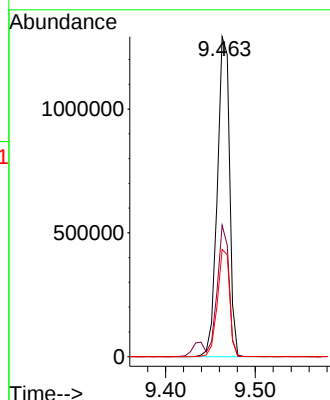
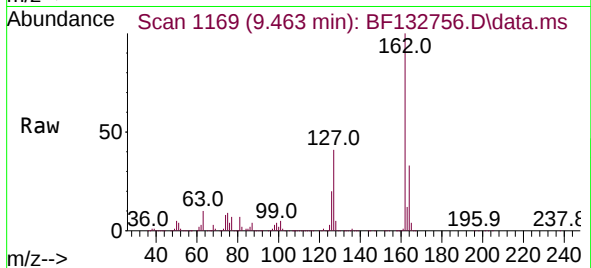
164 33.5 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#48

2-Nitroaniline

Concen: 39.412 ng

RT: 9.563 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

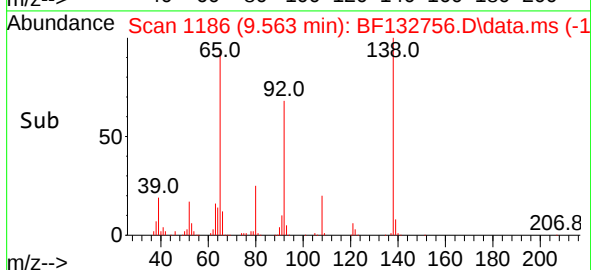
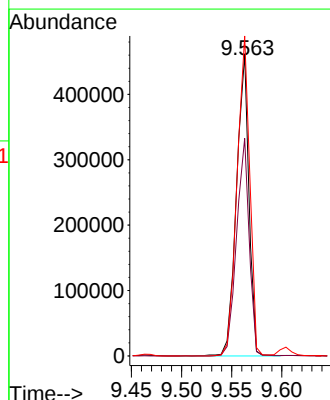
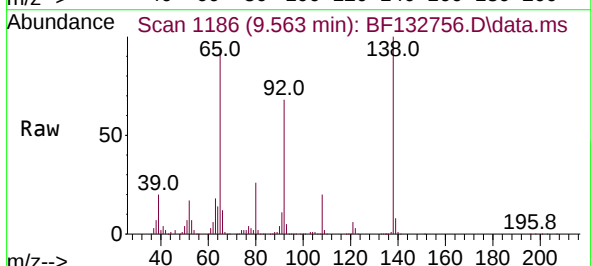
Tgt Ion: 65 Resp: 398068

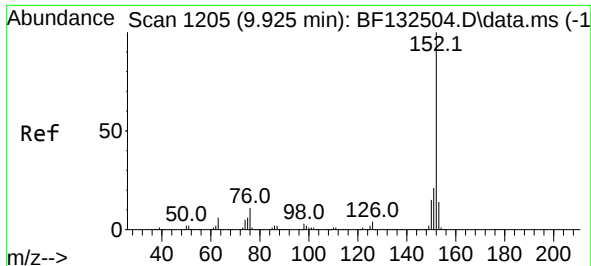
Ion Ratio Lower Upper

65 100

92 72.2 54.5 81.7

138 106.1 77.2 115.8





#49

Acenaphthylene

Concen: 42.718 ng

RT: 9.881 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:152 Resp: 186444

Ion Ratio Lower Upper

152 100

151 20.4 16.4 24.6

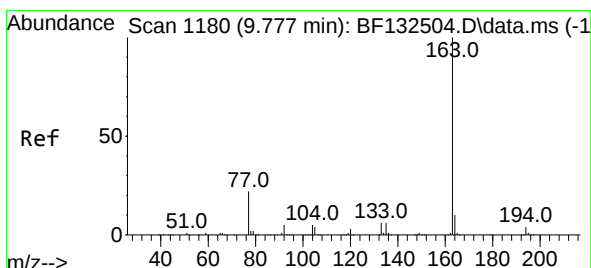
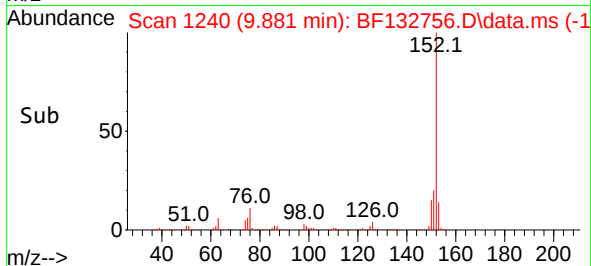
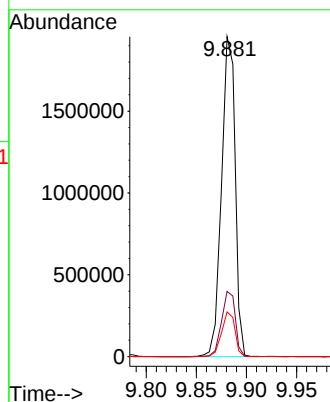
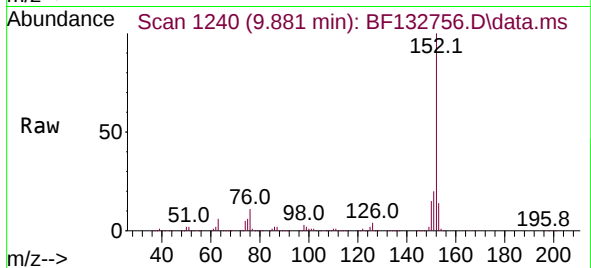
153 14.0 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#50

Dimethylphthalate

Concen: 44.413 ng

RT: 9.733 min Scan# 1215

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

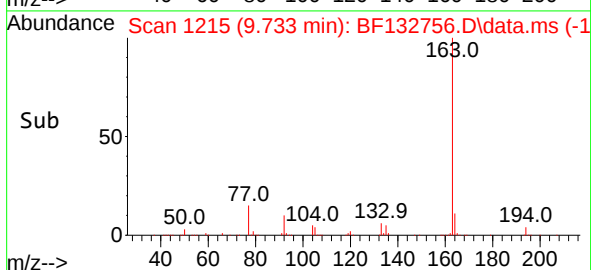
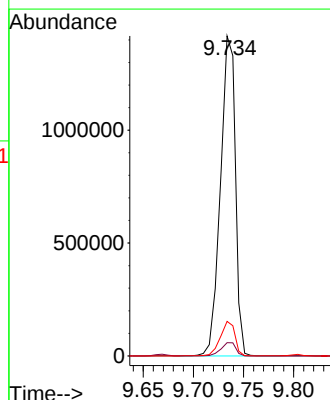
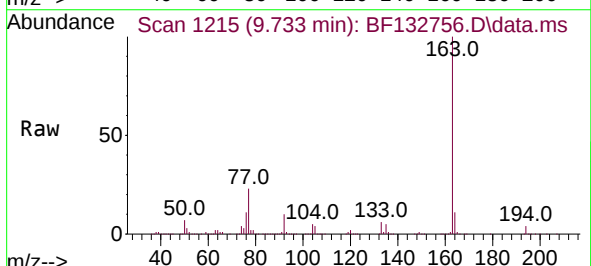
Tgt Ion:163 Resp: 1477832

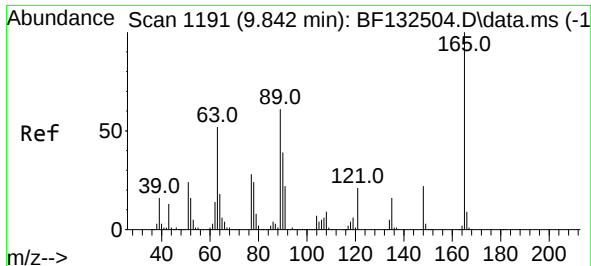
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

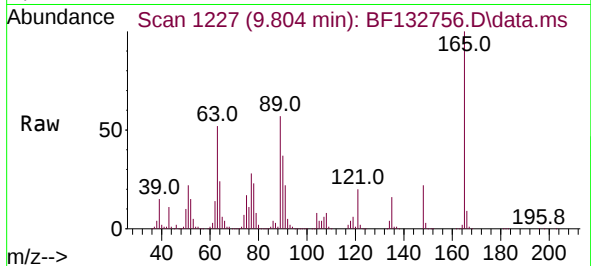
164 10.8 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 43.763 ng  
RT: 9.804 min Scan# 1191  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

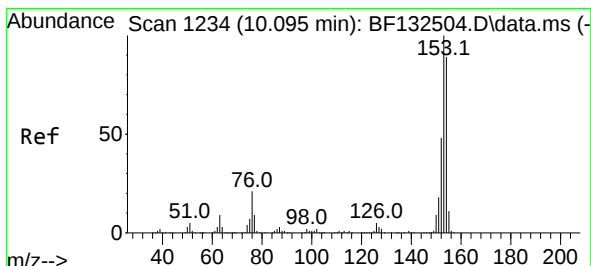
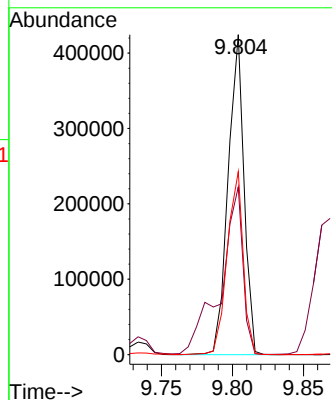
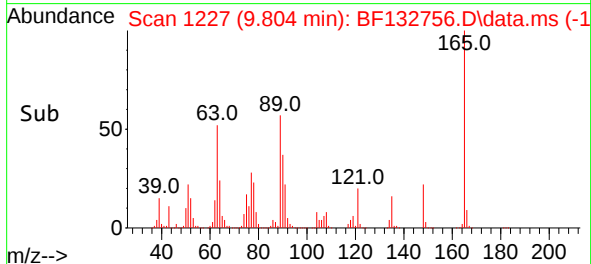
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:165 Resp: 331634  
Ion Ratio Lower Upper  
165 100  
63 52.4 47.3 70.9  
89 57.2 48.9 73.3

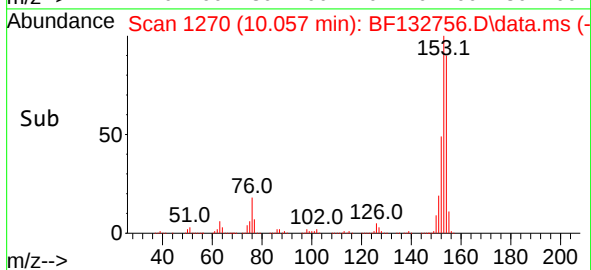
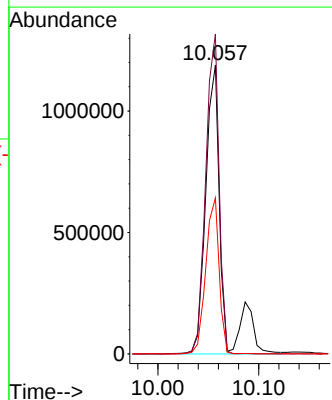
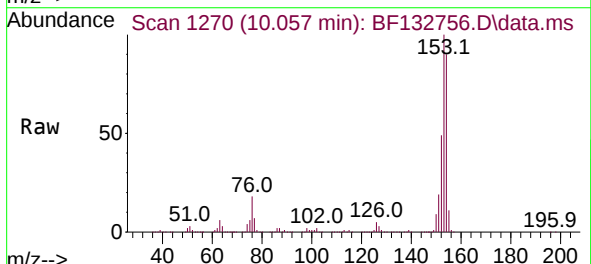
Manual Integrations  
APPROVED

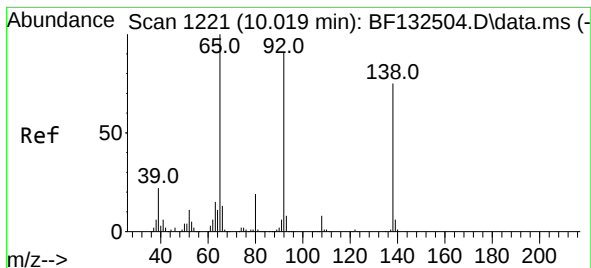
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#52  
Acenaphthene  
Concen: 46.898 ng m  
RT: 10.057 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:154 Resp: 1299747  
Ion Ratio Lower Upper  
154 100  
153 110.9 89.8 134.8  
152 54.0 43.3 64.9





#53  
3-Nitroaniline  
Concen: 28.741 ng  
RT: 9.975 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

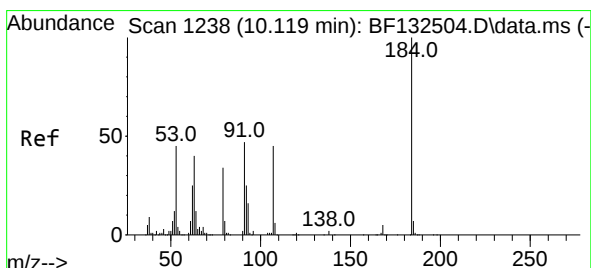
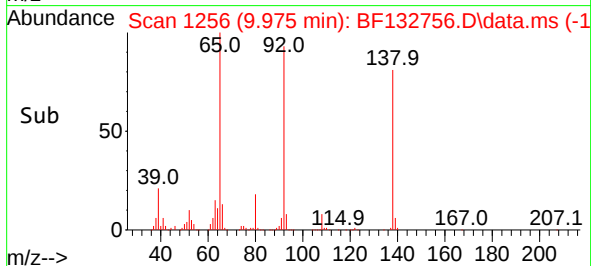
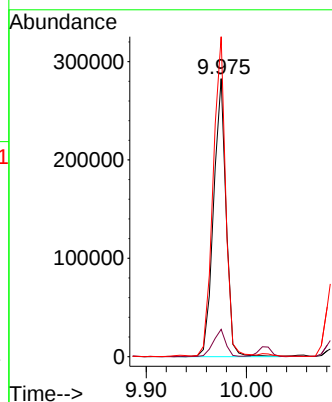
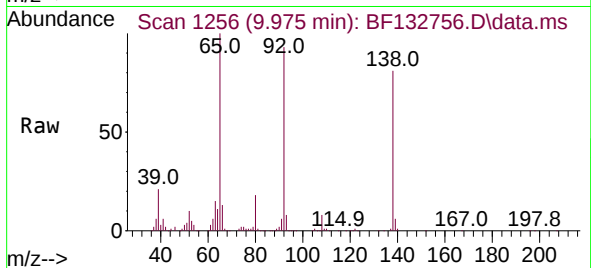
PB151350BS

Tgt Ion:138 Resp: 243633  
Ion Ratio Lower Upper  
138 100  
108 9.8 8.1 12.1  
92 115.1 97.2 145.8

Manual Integrations

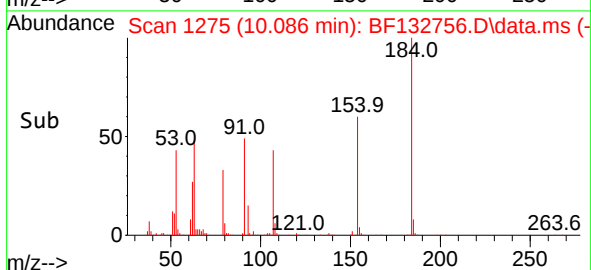
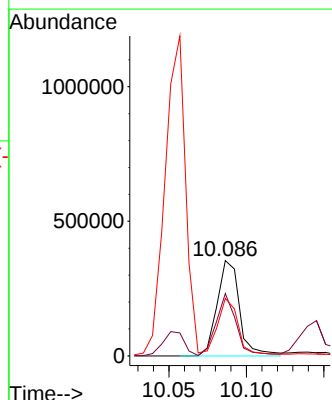
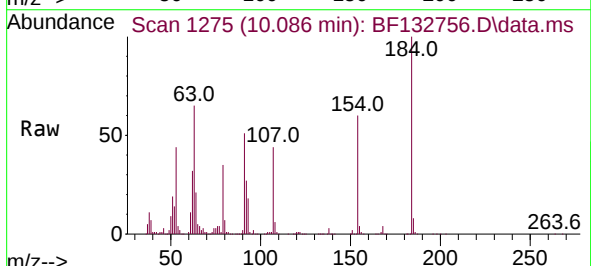
APPROVED

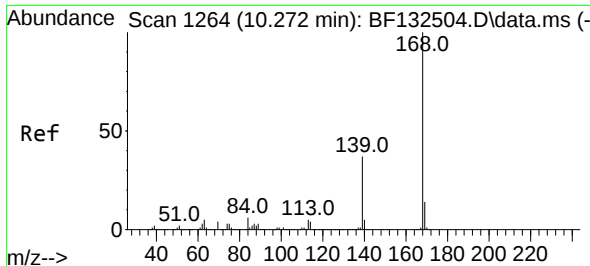
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#54  
2,4-Dinitrophenol  
Concen: 75.336 ng  
RT: 10.086 min Scan# 1275  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

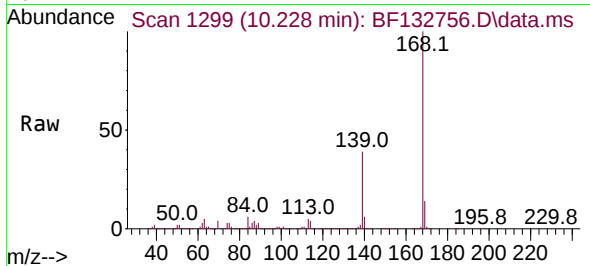
Tgt Ion:184 Resp: 359231  
Ion Ratio Lower Upper  
184 100  
63 65.5 51.4 77.2  
154 60.4 48.3 72.5





#55  
Dibenzofuran  
Concen: 41.631 ng  
RT: 10.228 min Scan# 1299  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

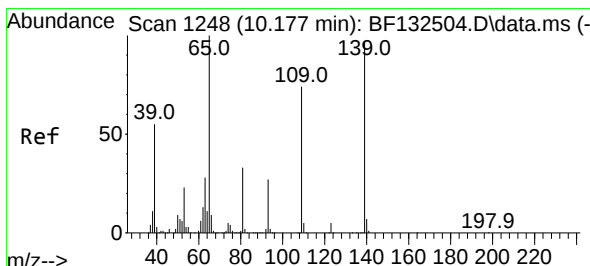
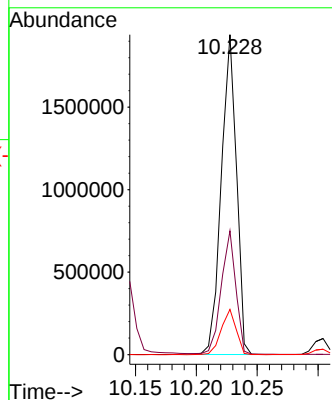
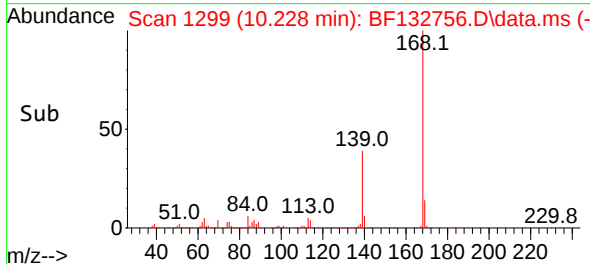
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:168 Resp: 1682043  
Ion Ratio Lower Upper  
168 100  
139 38.7 29.8 44.6  
169 14.1 10.9 16.3

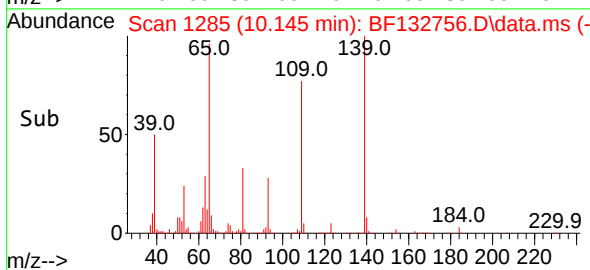
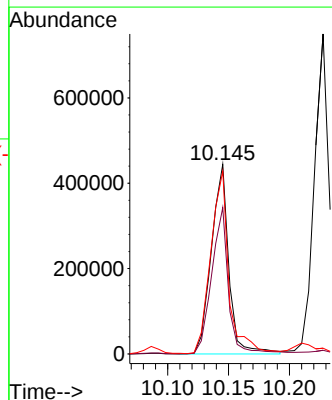
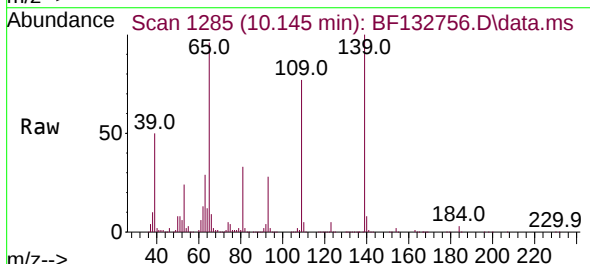
Manual Integrations  
APPROVED

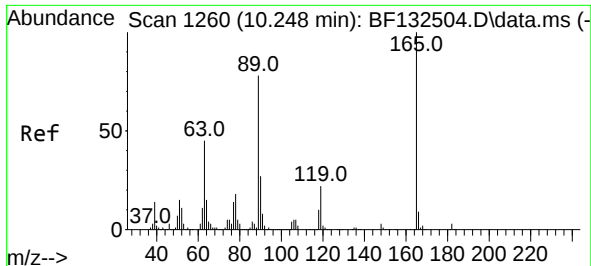
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#56  
4-Nitrophenol  
Concen: 70.458 ng  
RT: 10.145 min Scan# 1285  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

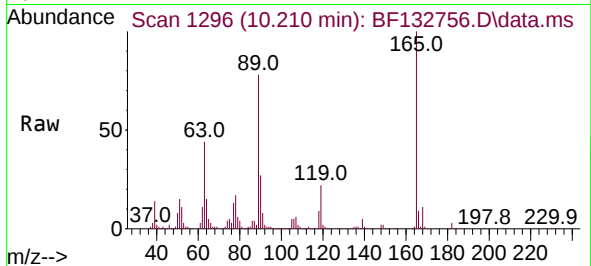
Tgt Ion:139 Resp: 445424  
Ion Ratio Lower Upper  
139 100  
109 77.2 56.7 96.7  
65 96.5 83.5 123.5





#57  
2,4-Dinitrotoluene  
Concen: 42.782 ng  
RT: 10.210 min Scan# 1358  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

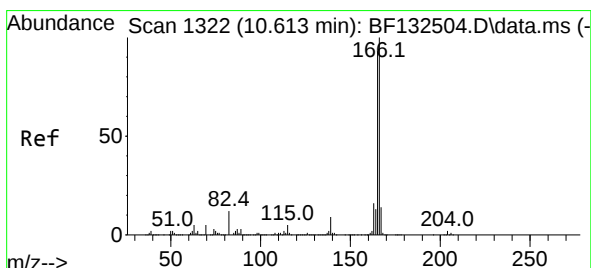
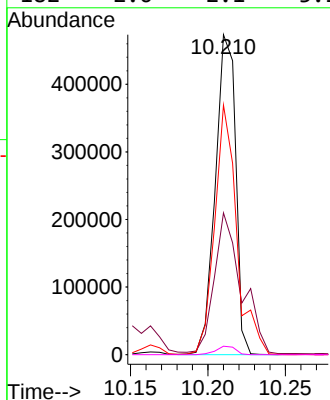
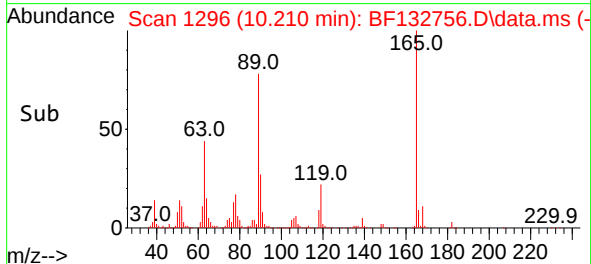
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:165 Resp: 431312  
Ion Ratio Lower Upper  
165 100  
63 44.3 36.5 54.7  
89 78.0 62.4 93.6  
182 2.6 2.1 3.1

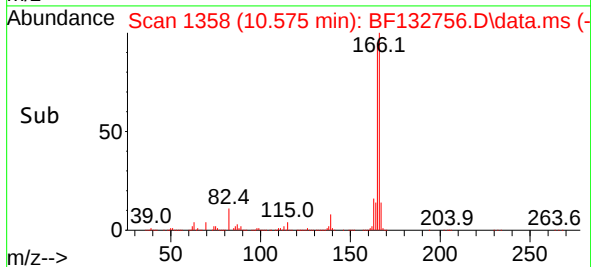
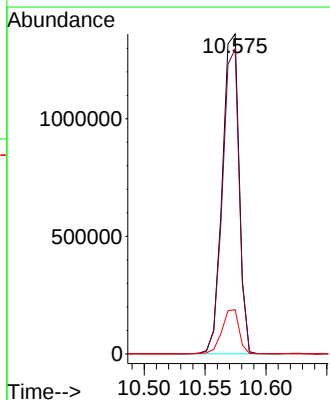
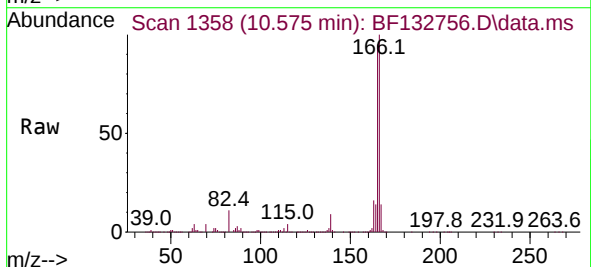
Manual Integrations  
APPROVED

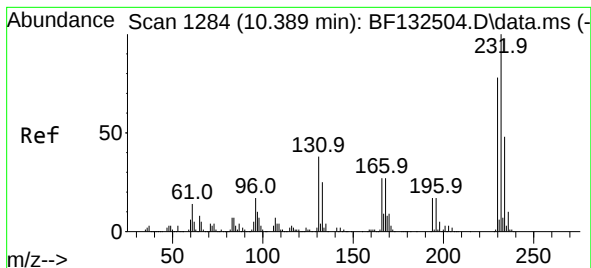
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#58  
Fluorene  
Concen: 42.257 ng  
RT: 10.575 min Scan# 1358  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

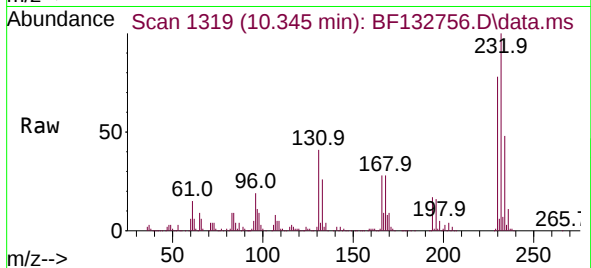
Tgt Ion:166 Resp: 1305940  
Ion Ratio Lower Upper  
166 100  
165 95.3 74.2 111.4  
167 13.8 11.1 16.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.598 ng  
RT: 10.345 min Scan# 1319  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

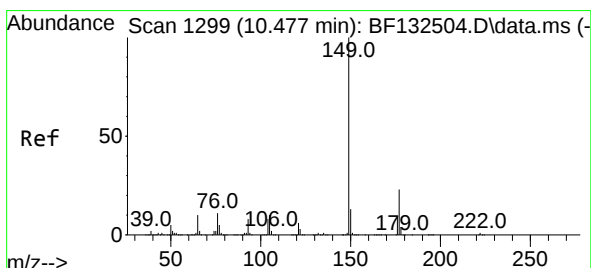
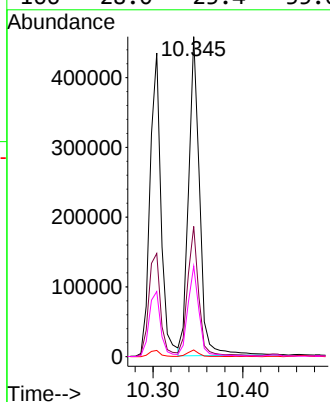
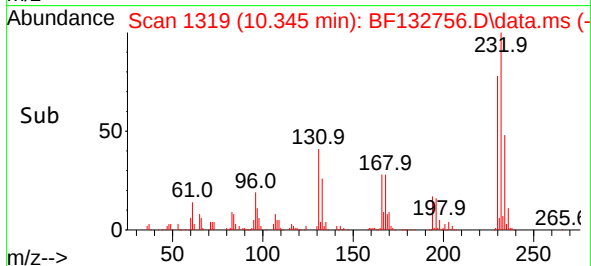
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



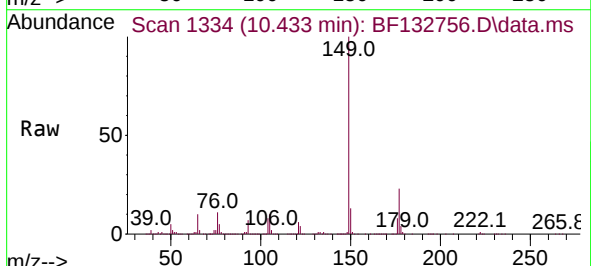
Tgt Ion:232 Resp: 391792  
Ion Ratio Lower Upper  
232 100  
131 40.0 33.8 50.8  
130 2.2 1.7 2.5  
166 28.0 23.4 35.0

Manual Integrations  
APPROVED

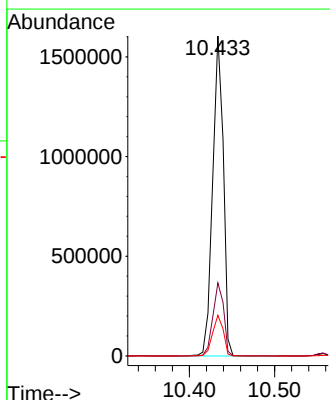
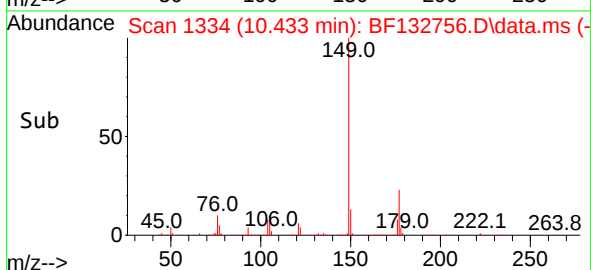
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

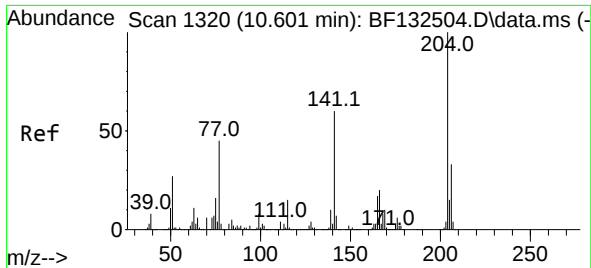


#60  
Diethylphthalate  
Concen: 42.794 ng  
RT: 10.433 min Scan# 1334  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:149 Resp: 1390716  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.1 27.1  
150 12.7 10.2 15.2





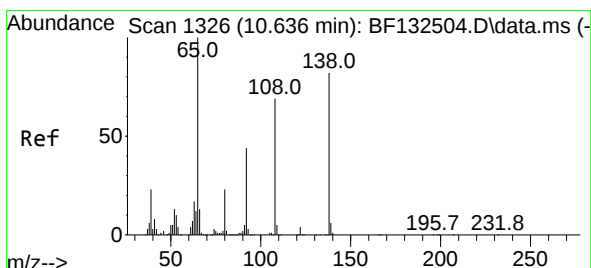
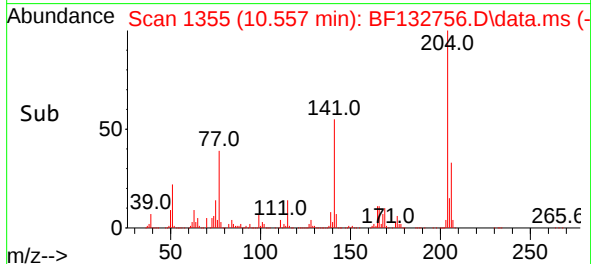
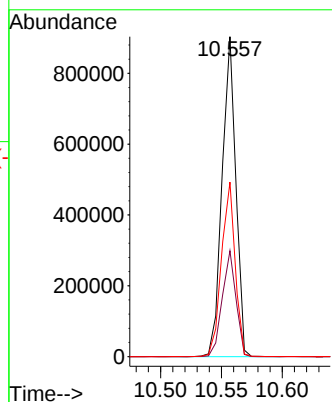
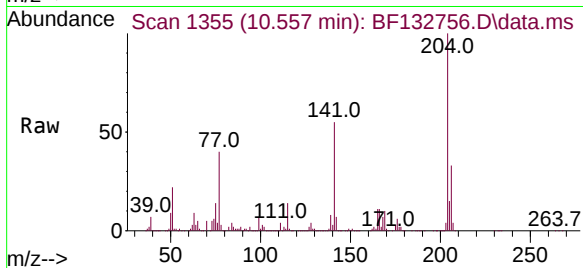
#61  
4-Chlorophenyl-phenylether  
Concen: 44.218 ng  
RT: 10.557 min Scan# 1315  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

Tgt Ion:204 Resp: 708910  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.3 39.5  
141 54.5 47.8 71.8

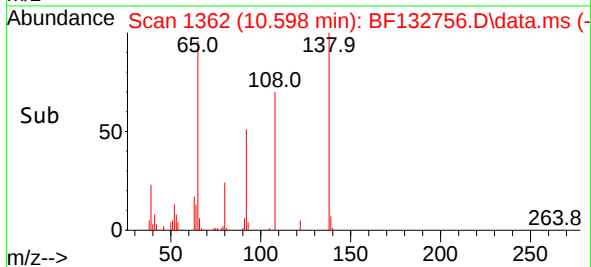
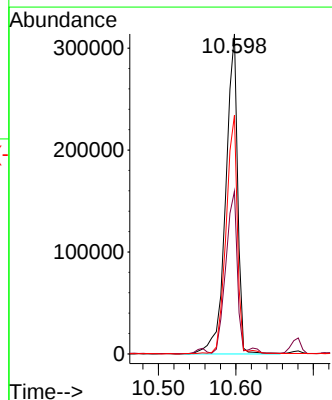
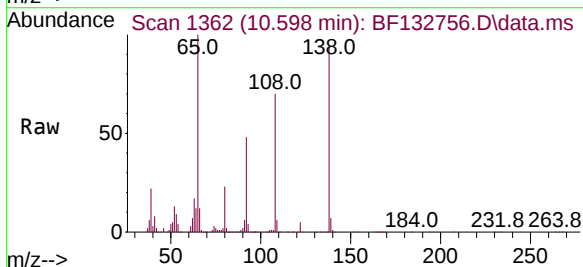
Manual Integrations  
APPROVED

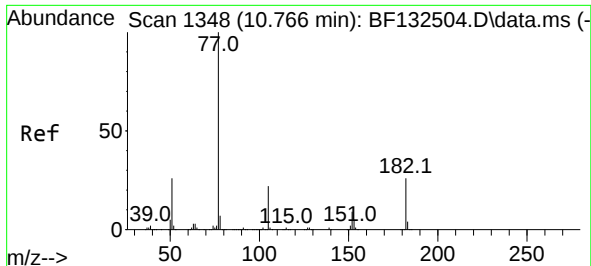
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#62  
4-Nitroaniline  
Concen: 40.537 ng  
RT: 10.598 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

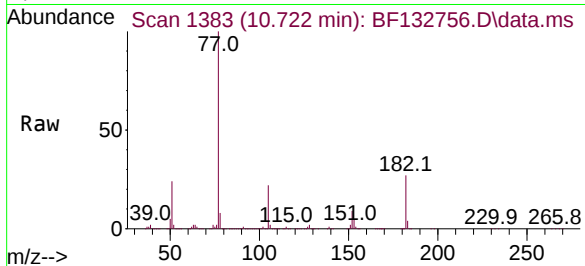
Tgt Ion:138 Resp: 337309  
Ion Ratio Lower Upper  
138 100  
92 50.8 33.8 73.8  
108 74.5 63.7 103.7





#63  
Azobenzene  
Concen: 41.539 ng  
RT: 10.722 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

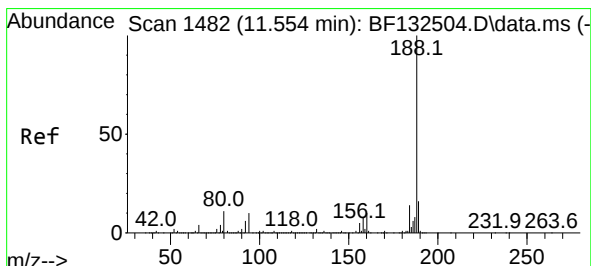
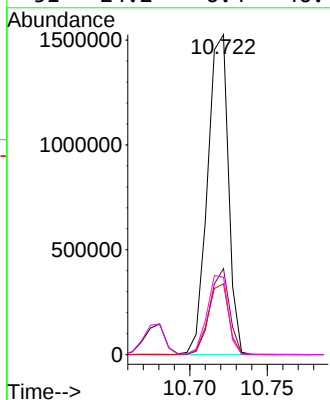
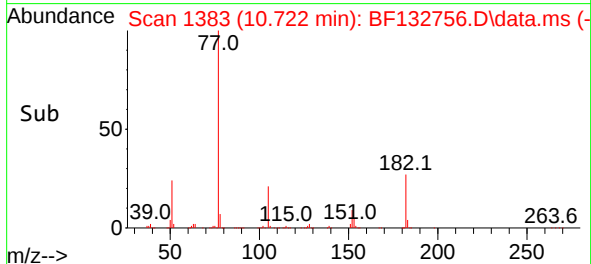
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



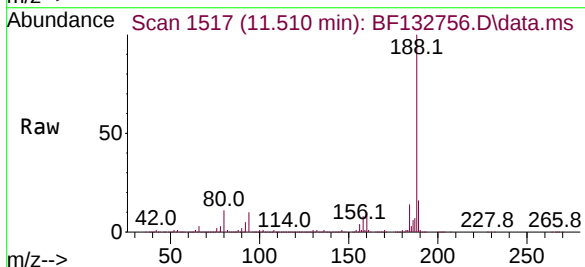
Tgt Ion: 77 Resp: 1429676  
Ion Ratio Lower Upper  
77 100  
182 26.9 5.5 45.5  
105 22.1 1.8 41.8  
51 24.2 6.4 46.4

Manual Integrations  
APPROVED

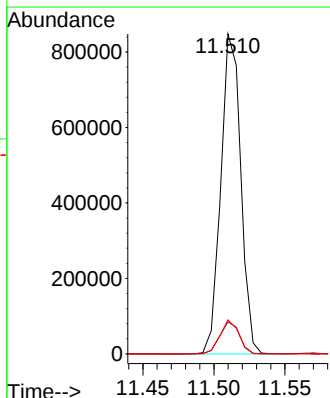
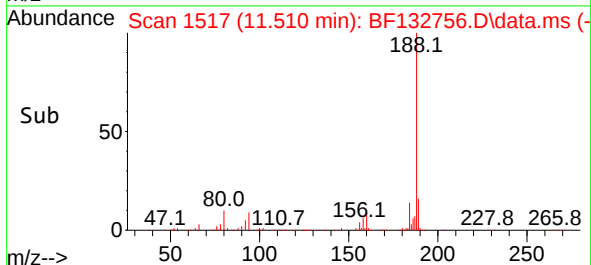
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

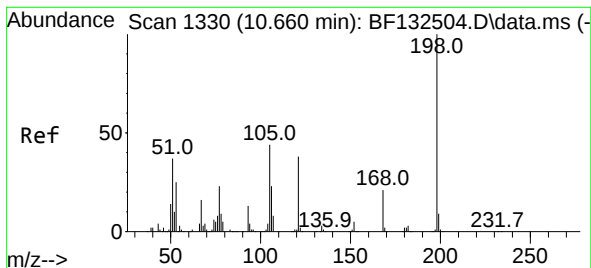


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.510 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:188 Resp: 827524  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.3 12.5  
80 10.6 8.7 13.1





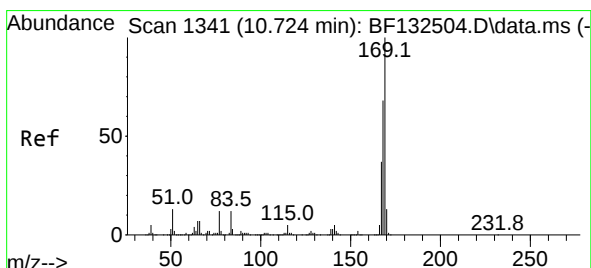
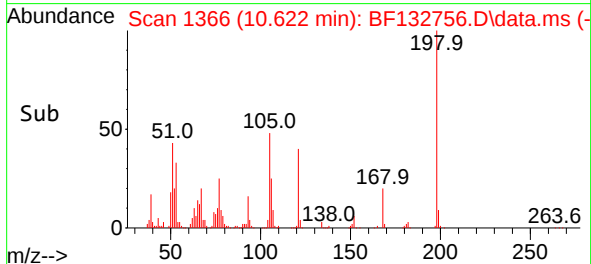
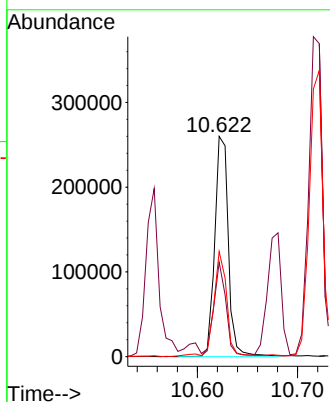
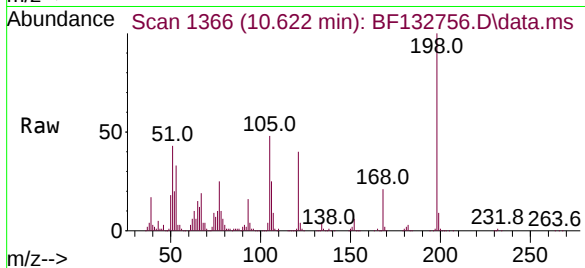
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.035 ng  
RT: 10.622 min Scan# 1336  
Delta R.T. -0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

Tgt Ion:198 Resp: 246681  
Ion Ratio Lower Upper  
198 100  
51 42.9 20.6 60.6  
105 47.7 24.3 64.3

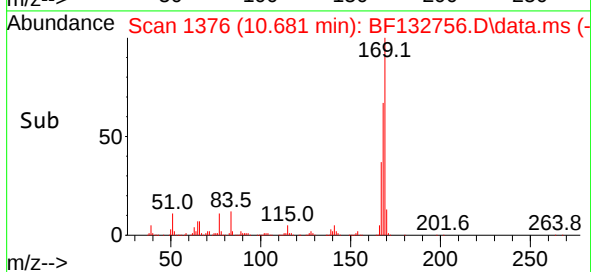
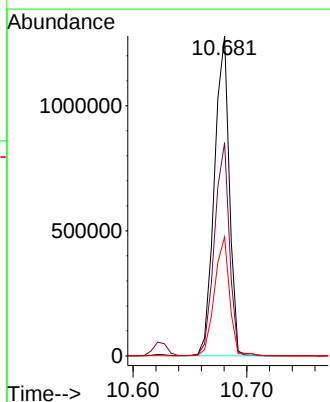
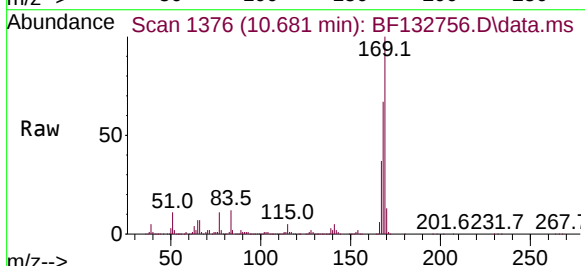
Manual Integrations  
APPROVED

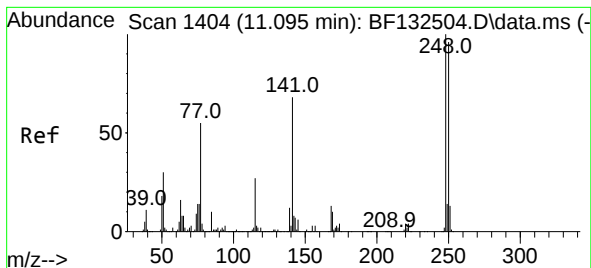
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#66  
n-Nitrosodiphenylamine  
Concen: 45.097 ng  
RT: 10.681 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

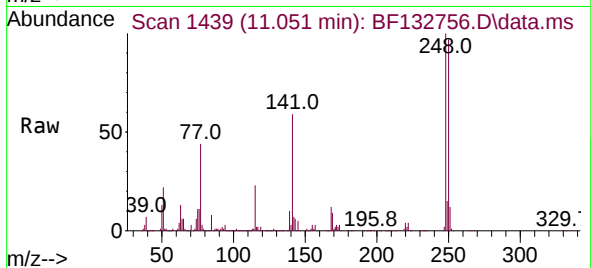
Tgt Ion:169 Resp: 1163436  
Ion Ratio Lower Upper  
169 100  
168 66.6 54.2 81.4  
167 37.2 29.6 44.4





#67  
4-Bromophenyl-phenylether  
Concen: 47.744 ng  
RT: 11.051 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

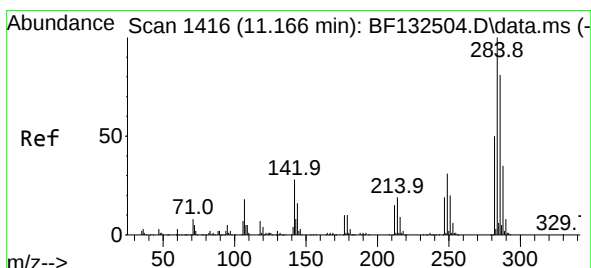
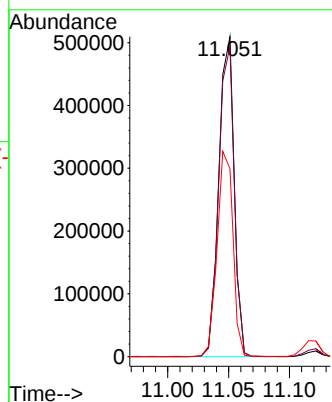
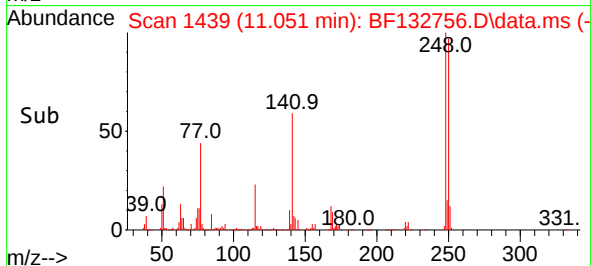
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



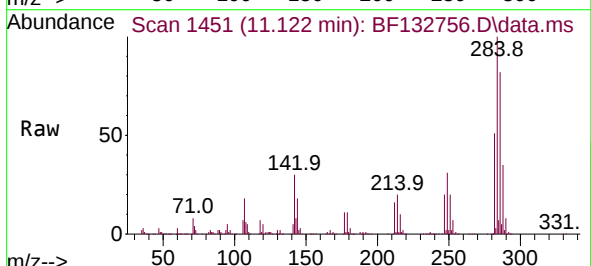
Tgt Ion:248 Resp: 446908  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.0 115.4  
141 58.7 54.2 81.2

Manual Integrations  
APPROVED

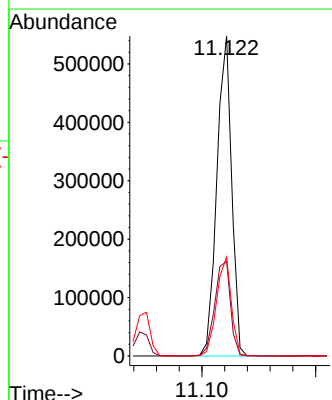
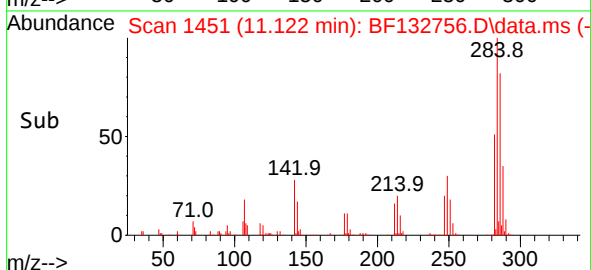
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

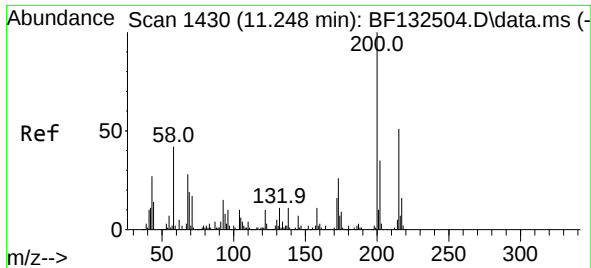


#68  
Hexachlorobenzene  
Concen: 50.134 ng  
RT: 11.122 min Scan# 1451  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:284 Resp: 493799  
Ion Ratio Lower Upper  
284 100  
142 29.6 22.2 33.4  
249 30.9 24.9 37.3





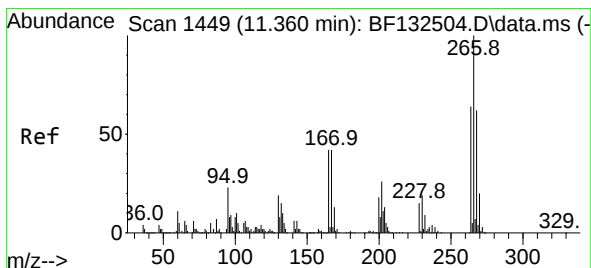
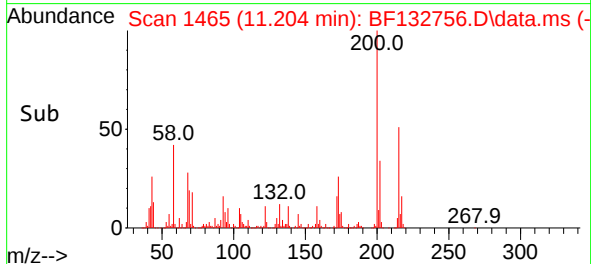
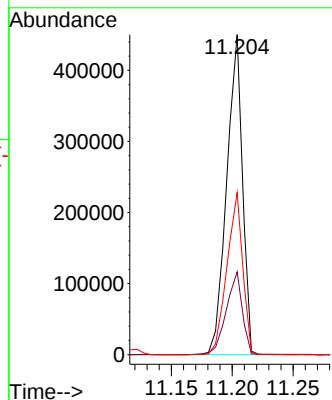
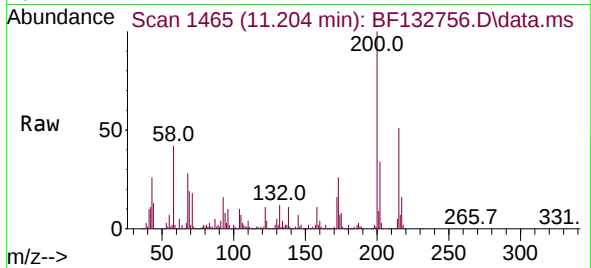
#69  
Atrazine  
Concen: 50.295 ng  
RT: 11.204 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

Tgt Ion:200 Resp: 405079  
Ion Ratio Lower Upper  
200 100  
173 25.9 6.4 46.4  
215 50.6 31.0 71.0

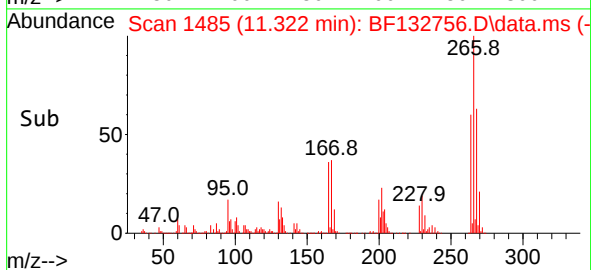
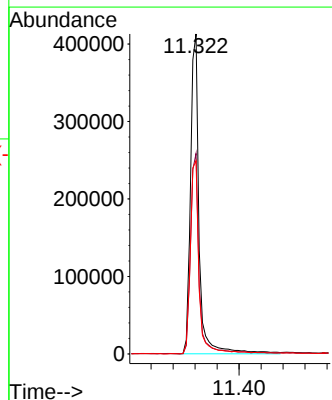
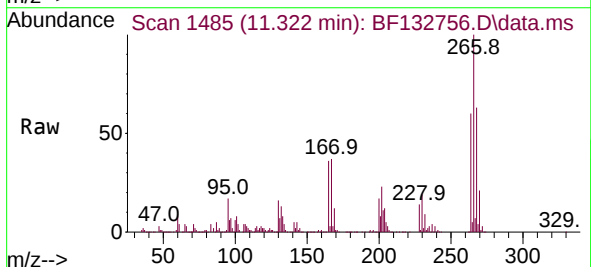
Manual Integrations  
APPROVED

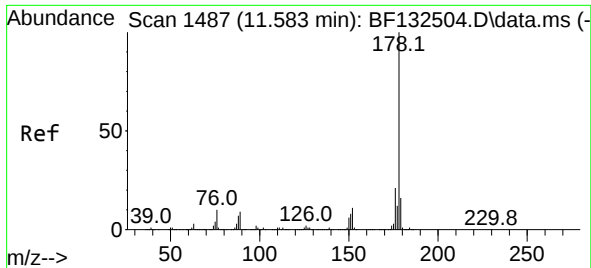
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#70  
Pentachlorophenol  
Concen: 76.114 ng  
RT: 11.322 min Scan# 1485  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:266 Resp: 446038  
Ion Ratio Lower Upper  
266 100  
268 62.6 49.8 74.6  
264 60.4 50.9 76.3





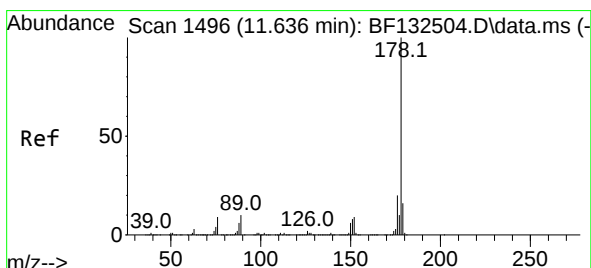
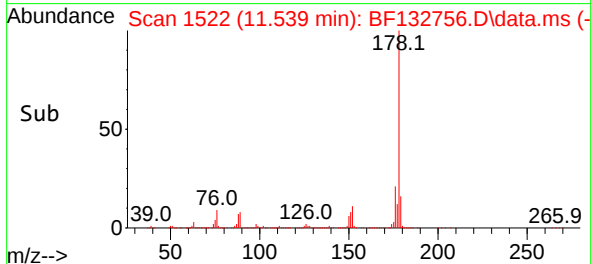
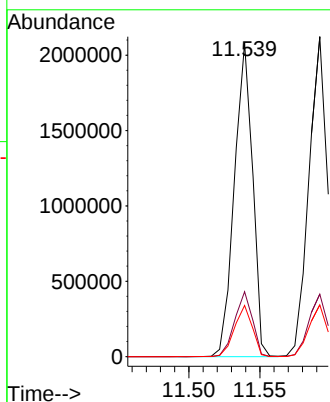
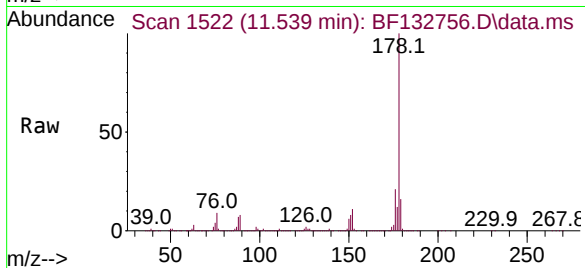
#71  
Phenanthrene  
Concen: 43.221 ng  
RT: 11.539 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

Tgt Ion:178 Resp: 1852892  
Ion Ratio Lower Upper  
178 100  
176 20.7 16.5 24.7  
179 16.3 13.0 19.6

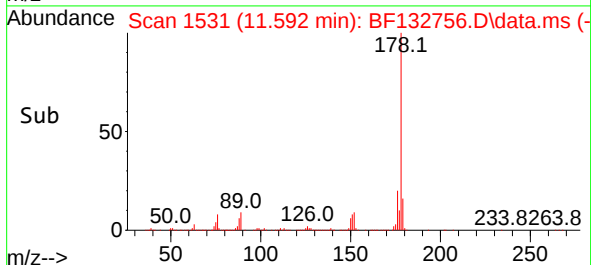
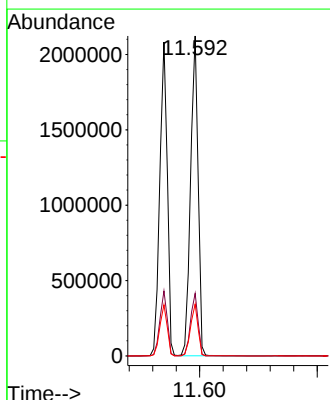
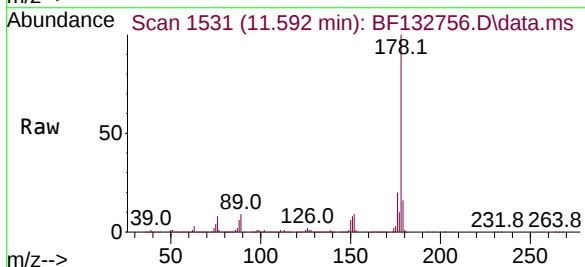
Manual Integrations  
APPROVED

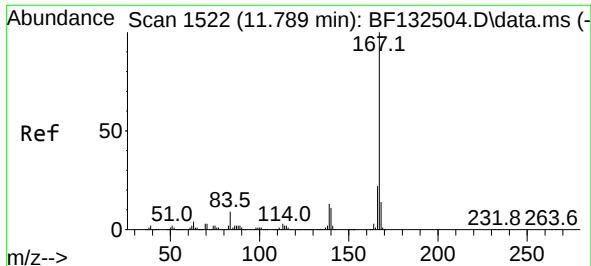
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#72  
Anthracene  
Concen: 43.084 ng  
RT: 11.592 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

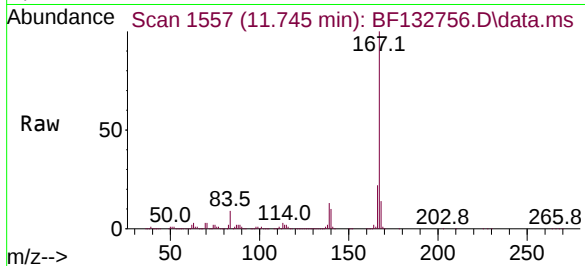
Tgt Ion:178 Resp: 1901995  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.6 23.4  
179 16.2 12.5 18.7





#73  
 Carbazole  
 Concen: 42.779 ng  
 RT: 11.745 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: BF132756.D  
 Acq: 13 Mar 2023 12:33

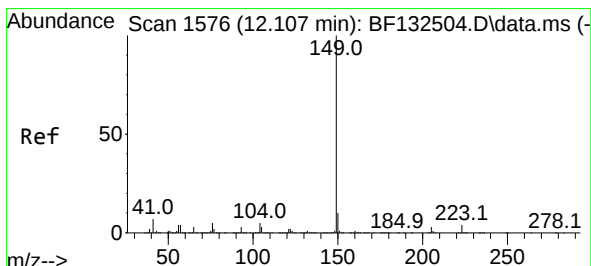
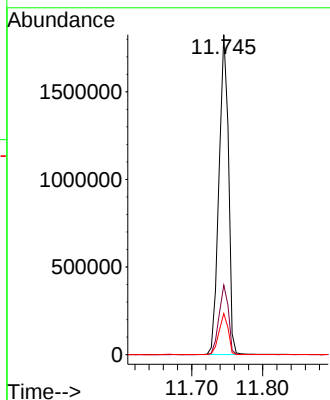
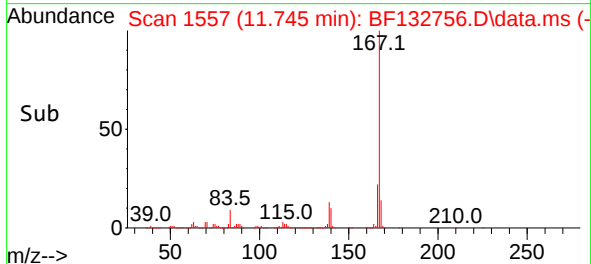
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB151350BS



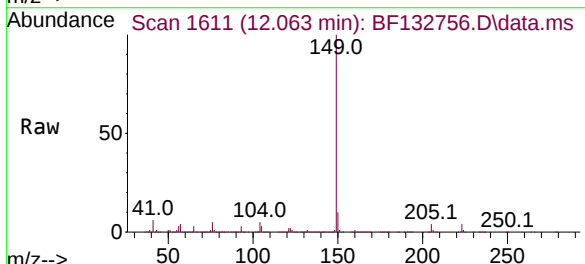
Tgt Ion:167 Resp: 1702710  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.7 26.5  
 139 12.8 10.5 15.7

Manual Integrations  
 APPROVED

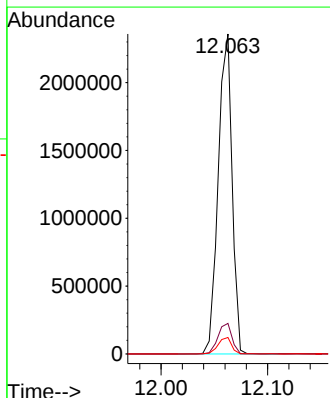
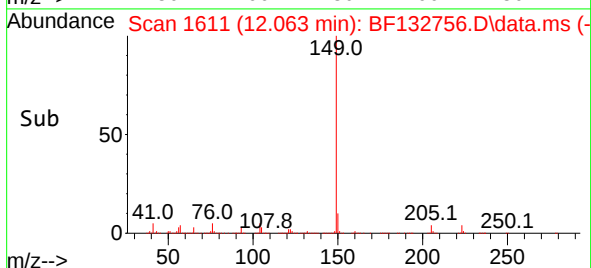
Reviewed By :Christian Giraldo 03/14/2023  
 Supervised By :Jagrut Upadhyay 03/14/2023

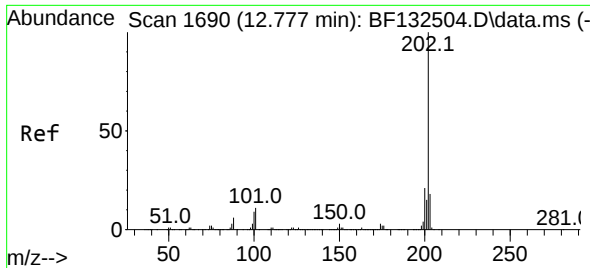


#74  
 Di-n-butylphthalate  
 Concen: 45.840 ng  
 RT: 12.063 min Scan# 1611  
 Delta R.T. 0.000 min  
 Lab File: BF132756.D  
 Acq: 13 Mar 2023 12:33



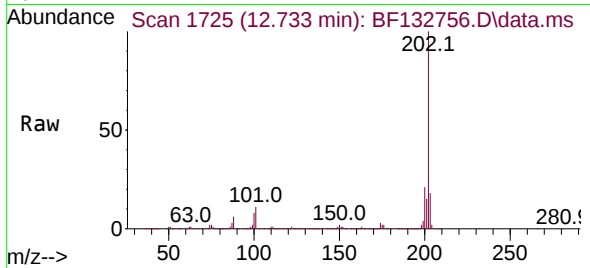
Tgt Ion:149 Resp: 2140198  
 Ion Ratio Lower Upper  
 149 100  
 150 9.5 7.8 11.8  
 104 5.2 4.3 6.5





#75  
Fluoranthene  
Concen: 42.609 ng  
RT: 12.733 min Scan# 1725  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

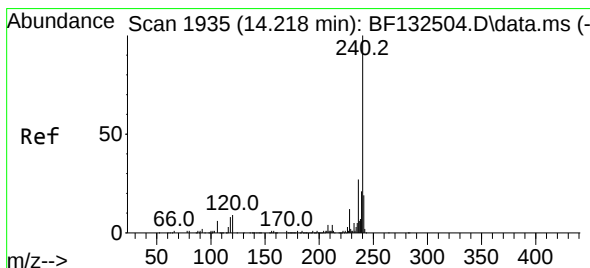
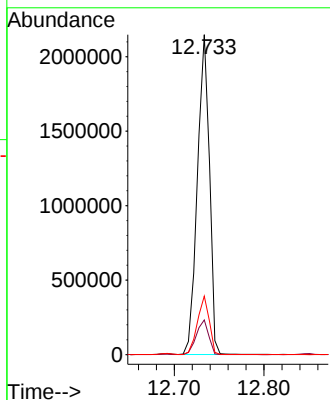
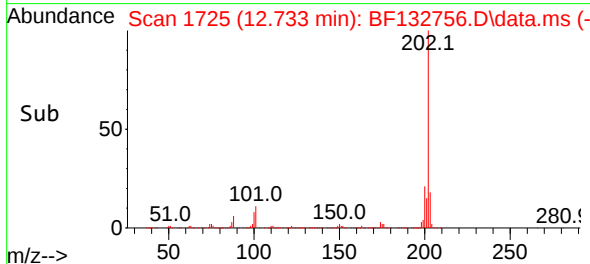
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:202 Resp: 1996903  
Ion Ratio Lower Upper  
202 100  
101 10.8 0.0 31.4  
203 18.3 0.0 38.0

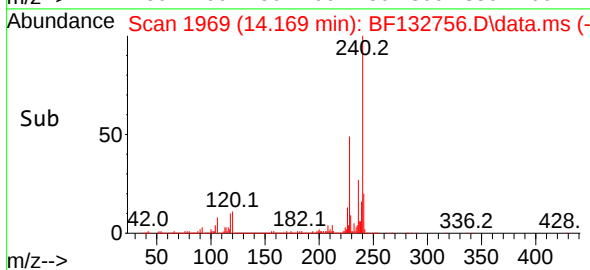
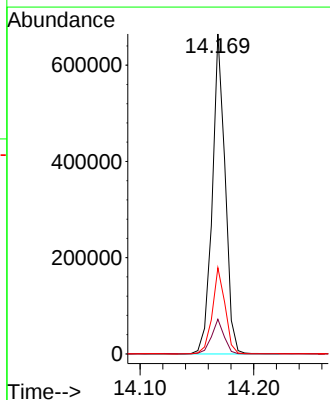
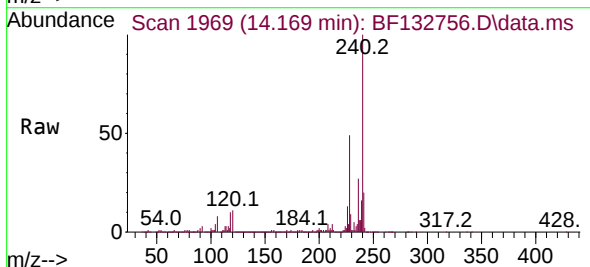
Manual Integrations  
APPROVED

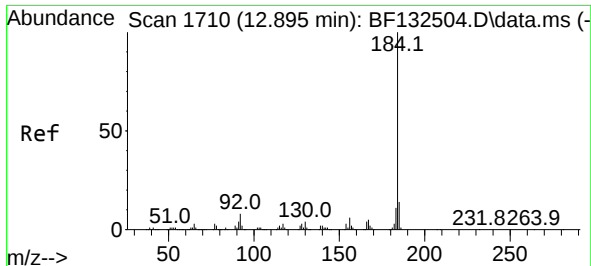
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

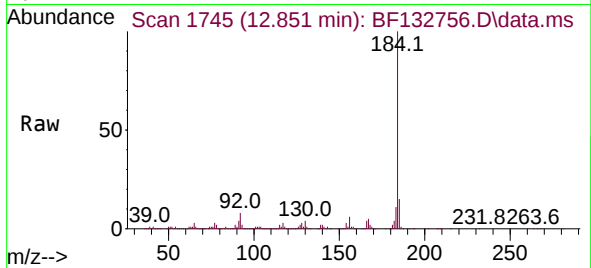
Tgt Ion:240 Resp: 521409  
Ion Ratio Lower Upper  
240 100  
120 10.8 7.2 10.8#  
236 26.9 21.8 32.6





#77  
Benzidine  
Concen: 73.536 ng  
RT: 12.851 min Scan# 1745  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

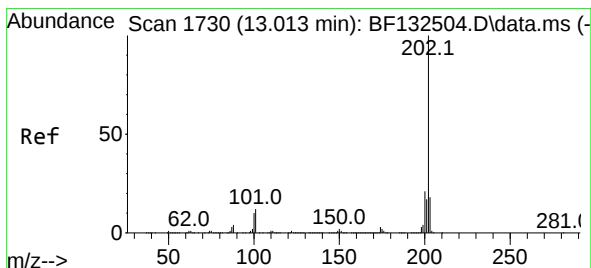
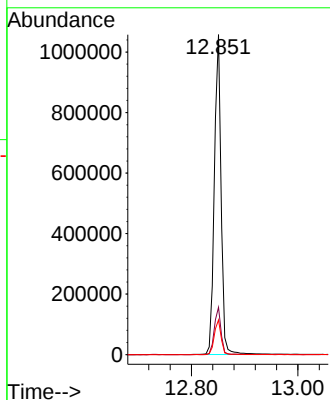
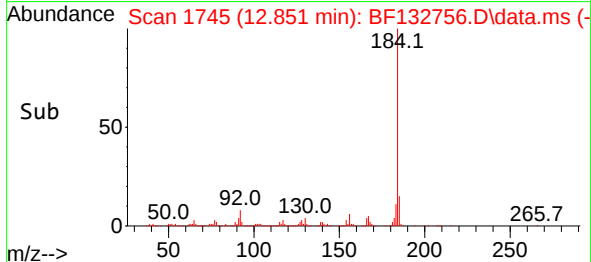
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



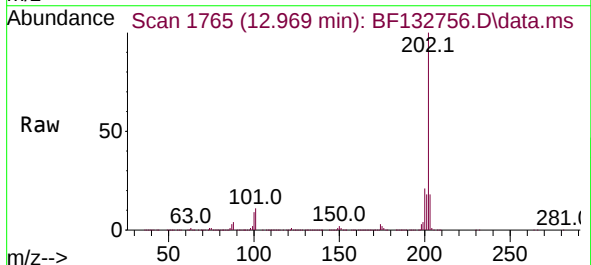
Tgt Ion:184 Resp: 933358  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.7 17.5  
183 10.9 8.7 13.1

Manual Integrations  
APPROVED

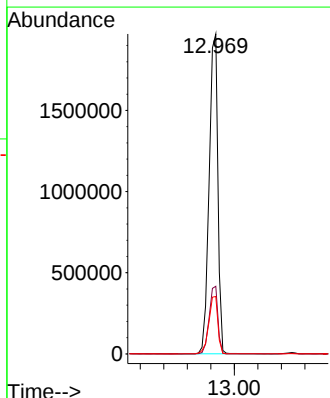
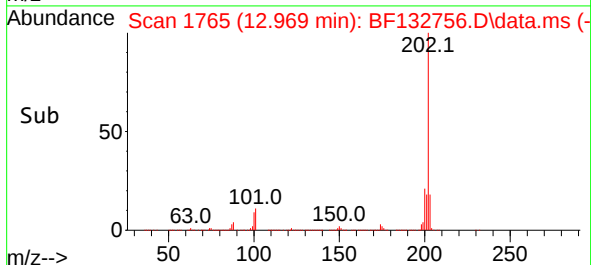
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

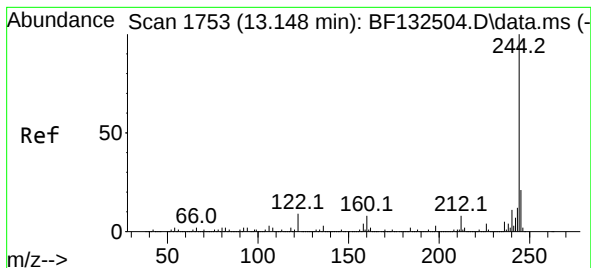


#78  
Pyrene  
Concen: 42.847 ng  
RT: 12.969 min Scan# 1765  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:202 Resp: 2031150  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.1 25.7  
203 17.9 14.6 21.8





#79

Terphenyl-d14

Concen: 68.413 ng

RT: 13.098 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:244 Resp: 210978

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

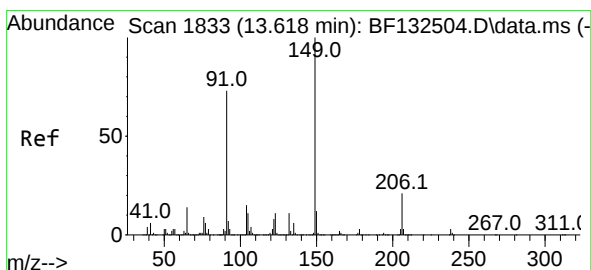
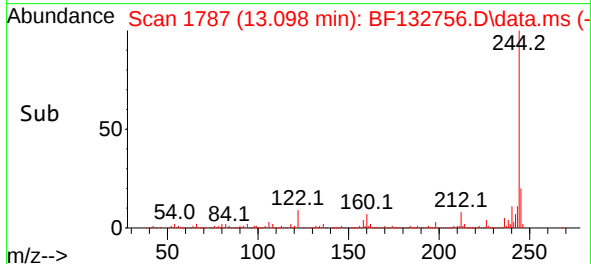
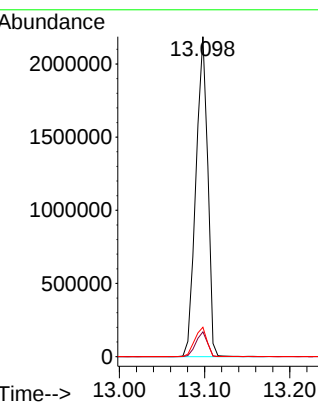
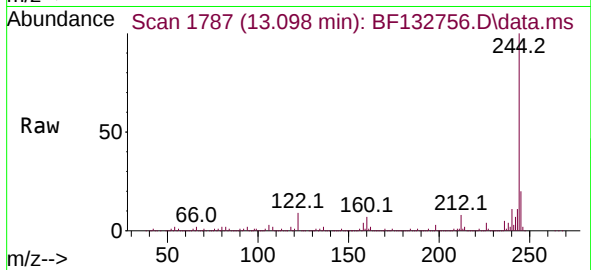
122 9.2 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#80

Butylbenzylphthalate

Concen: 47.515 ng

RT: 13.569 min Scan# 1867

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

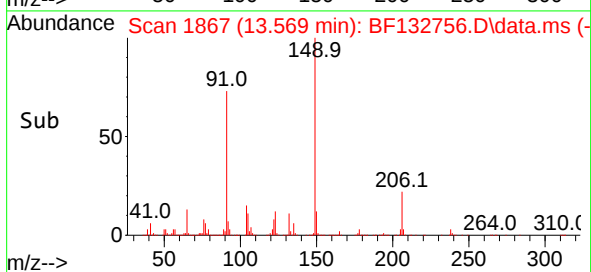
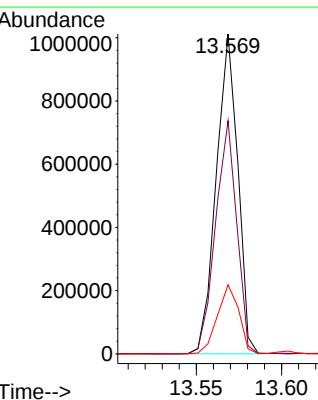
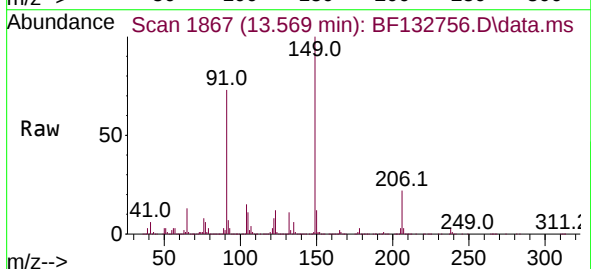
Tgt Ion:149 Resp: 888872

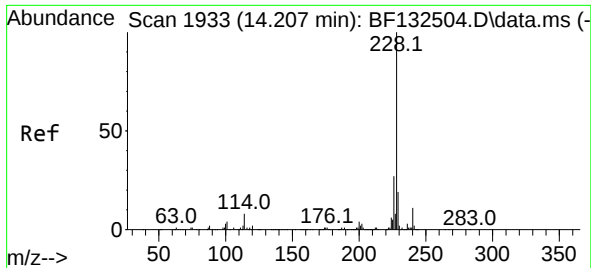
Ion Ratio Lower Upper

149 100

91 72.9 58.4 87.6

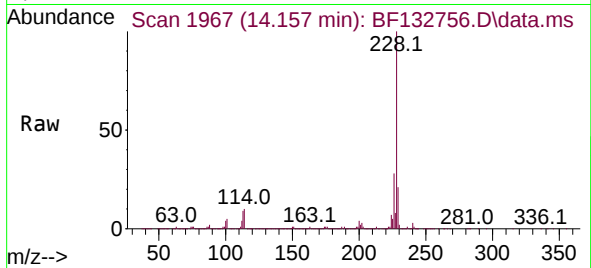
206 21.6 16.8 25.2





#81  
Benzo(a)anthracene  
Concen: 44.710 ng  
RT: 14.157 min Scan# 1933  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

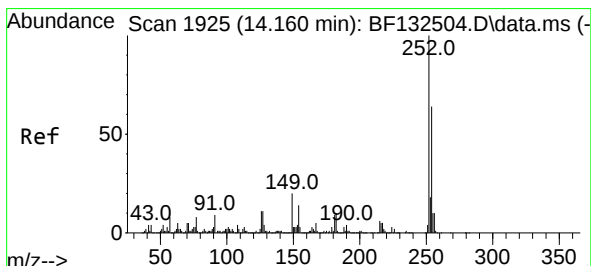
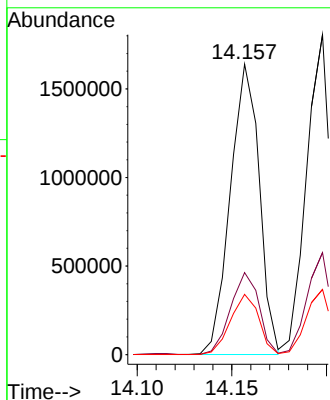
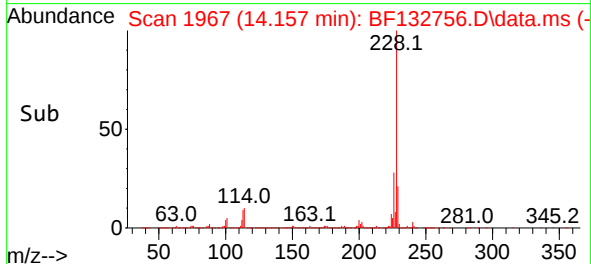
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



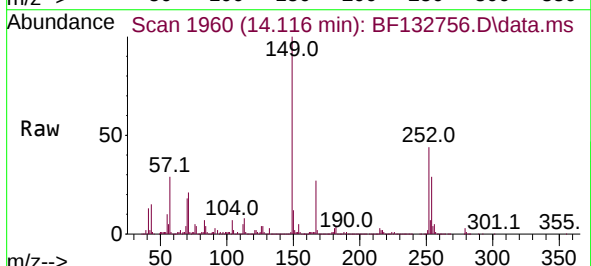
Tgt Ion:228 Resp: 1744289  
Ion Ratio Lower Upper  
228 100  
226 28.3 21.7 32.5  
229 20.7 15.4 23.2

Manual Integrations  
APPROVED

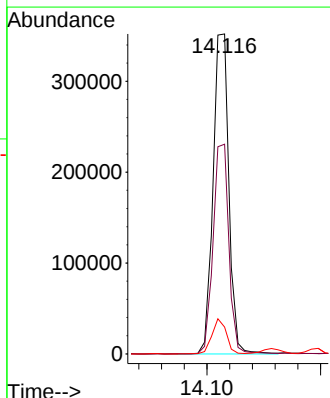
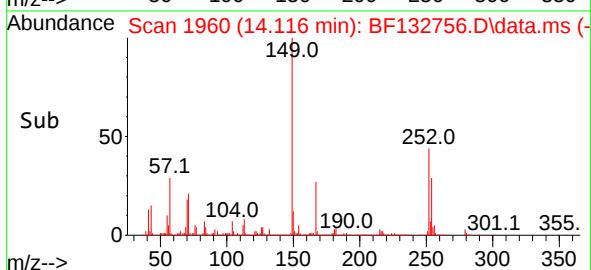
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023

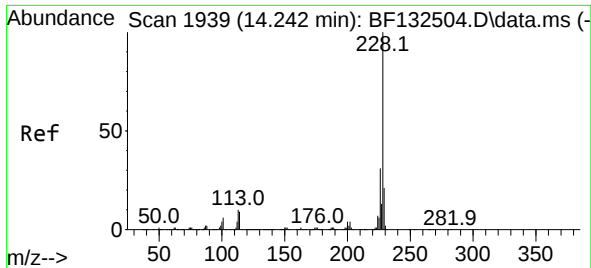


#82  
3,3'-Dichlorobenzidine  
Concen: 29.594 ng  
RT: 14.116 min Scan# 1960  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33



Tgt Ion:252 Resp: 340387  
Ion Ratio Lower Upper  
252 100  
254 65.5 51.4 77.2  
126 8.4 8.9 13.3





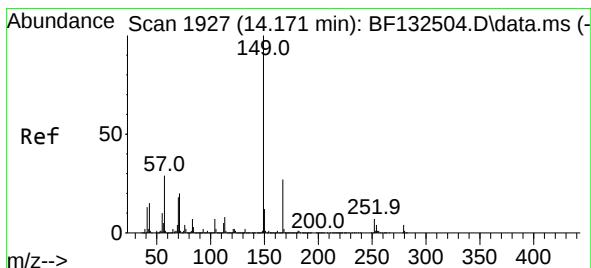
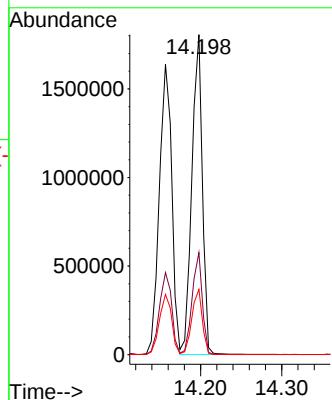
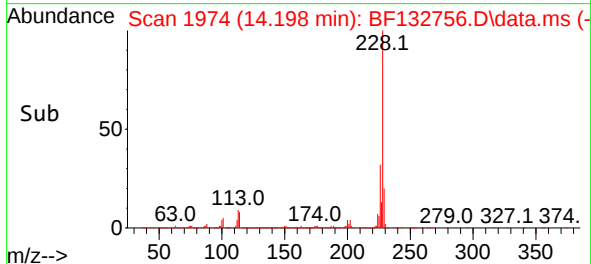
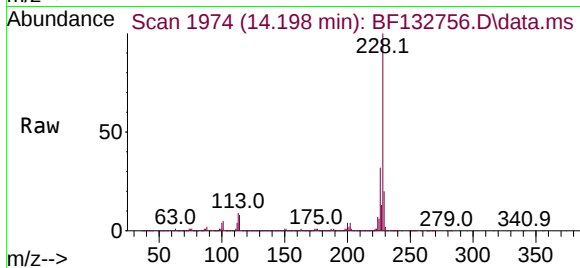
#83  
Chrysene  
Concen: 44.247 ng  
RT: 14.198 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS

Tgt Ion:228 Resp: 1614201  
Ion Ratio Lower Upper  
228 100  
226 31.9 25.0 37.6  
229 20.4 16.4 24.6

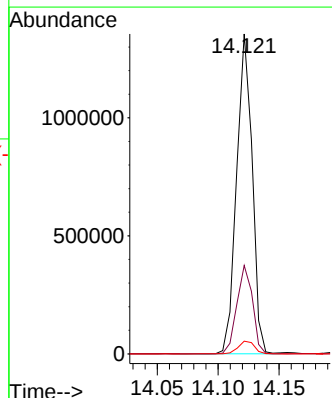
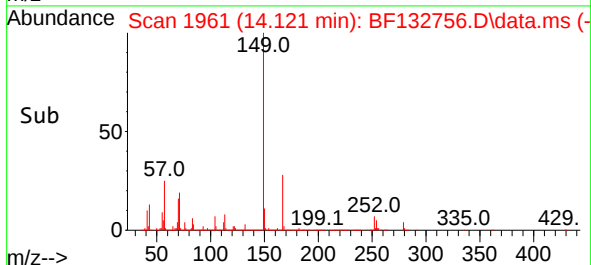
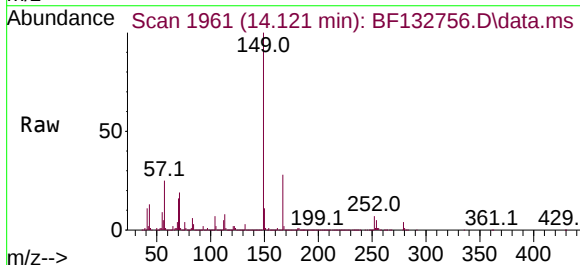
Manual Integrations  
APPROVED

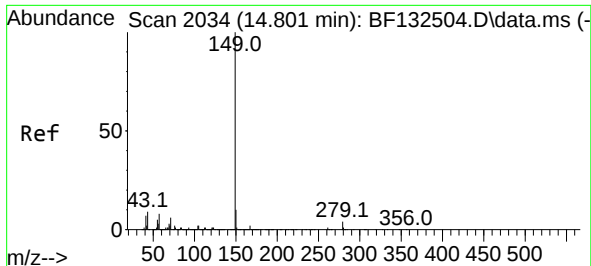
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 52.484 ng  
RT: 14.121 min Scan# 1961  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

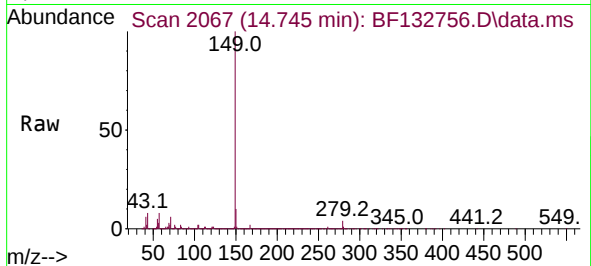
Tgt Ion:149 Resp: 1206113  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.8 32.6  
279 4.0 3.0 4.6





#85  
Di-n-octyl phthalate  
Concen: 57.715 ng  
RT: 14.745 min Scan# 2034  
Delta R.T. 0.000 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

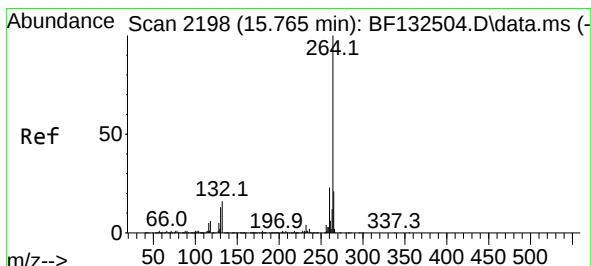
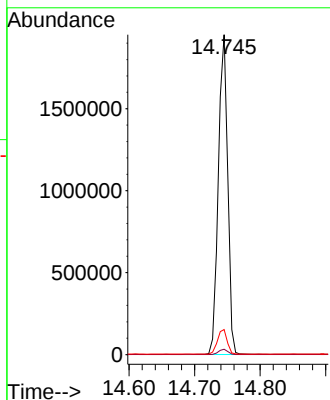
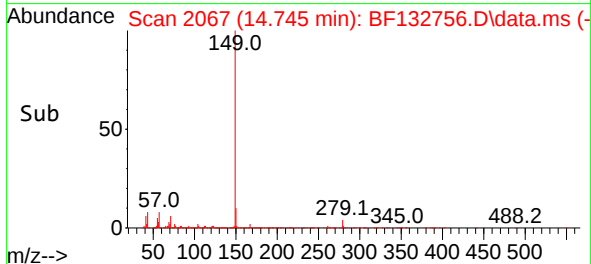
Instrument :  
BNA\_F  
ClientSampleId :  
PB151350BS



Tgt Ion:149 Resp: 1938172  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 8.0 7.2 10.8

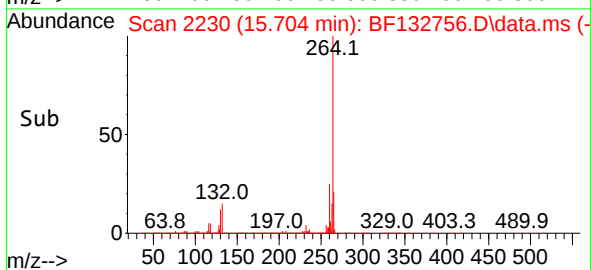
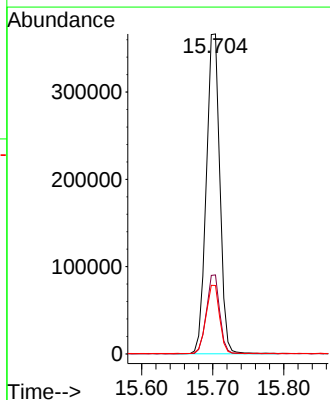
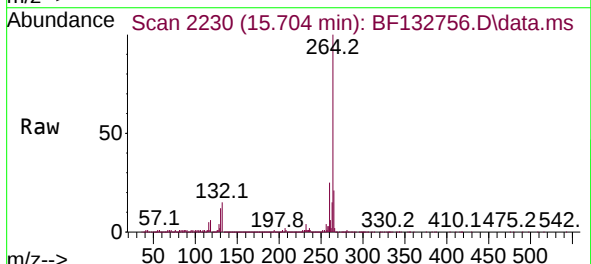
Manual Integrations  
APPROVED

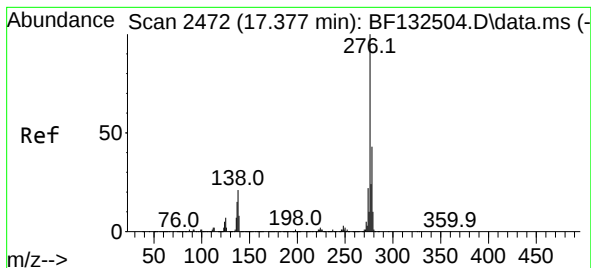
Reviewed By :Christian Giraldo 03/14/2023  
Supervised By :Jagrut Upadhyay 03/14/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.704 min Scan# 2230  
Delta R.T. 0.006 min  
Lab File: BF132756.D  
Acq: 13 Mar 2023 12:33

Tgt Ion:264 Resp: 484072  
Ion Ratio Lower Upper  
264 100  
260 24.7 18.8 28.2  
265 21.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.805 ng

RT: 17.292 min Scan# 2152

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:276 Resp: 1484593

Ion Ratio Lower Upper

276 100

138 23.0 19.0 28.4

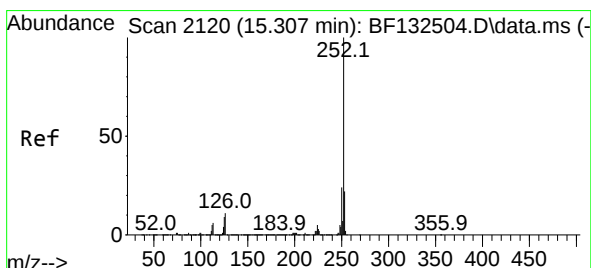
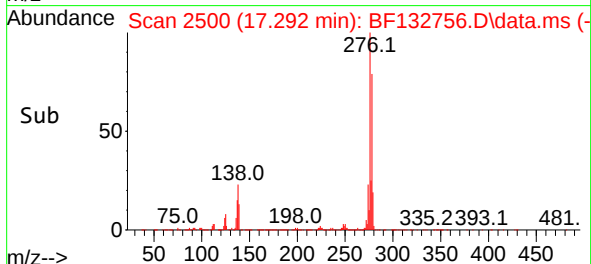
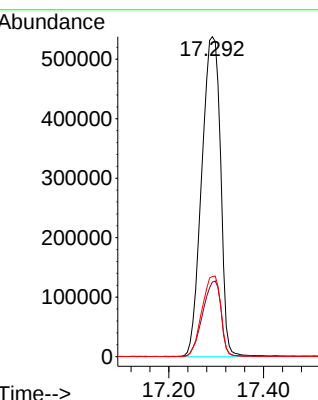
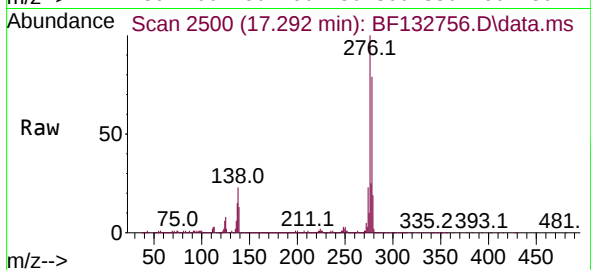
277 25.1 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#88

Benzo(b)fluoranthene

Concen: 48.962 ng

RT: 15.245 min Scan# 2152

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

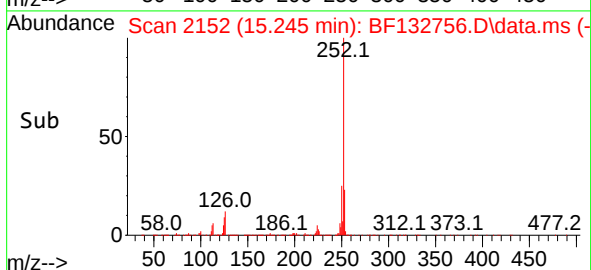
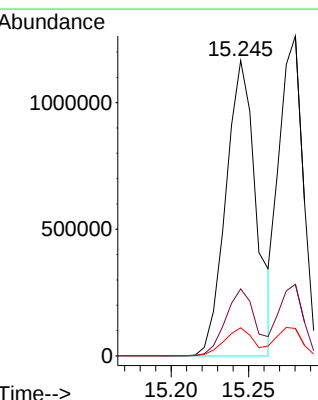
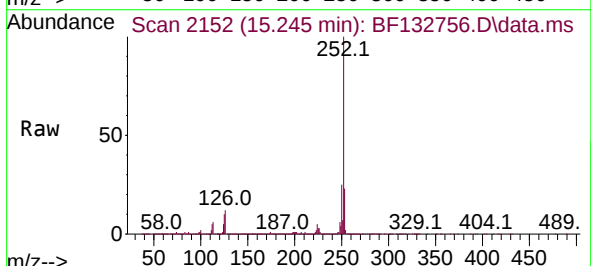
Tgt Ion:252 Resp: 1588329

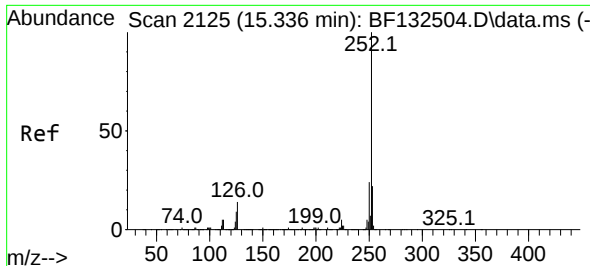
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 9.5 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 43.073 ng

RT: 15.280 min Scan# 2118

Delta R.T. 0.006 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:252 Resp: 1367518

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

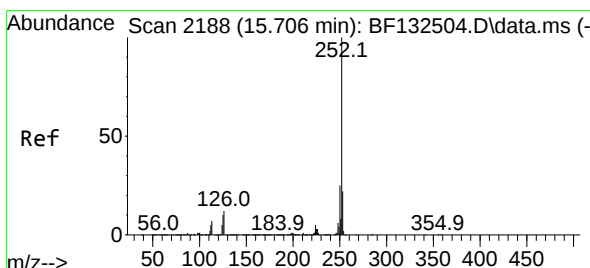
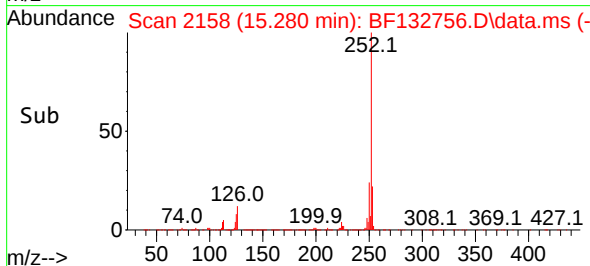
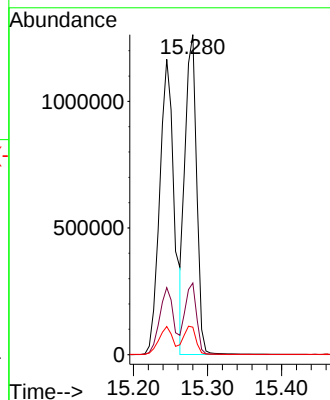
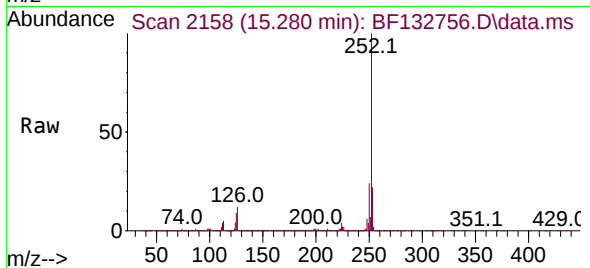
125 8.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#90

Benzo(a)pyrene

Concen: 42.753 ng

RT: 15.639 min Scan# 2219

Delta R.T. 0.000 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

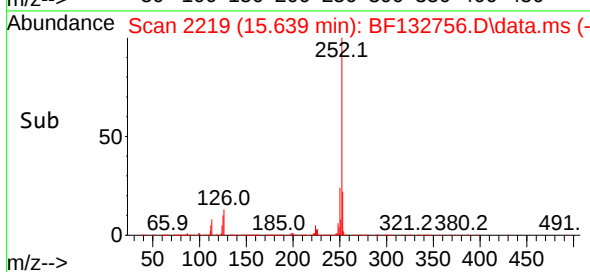
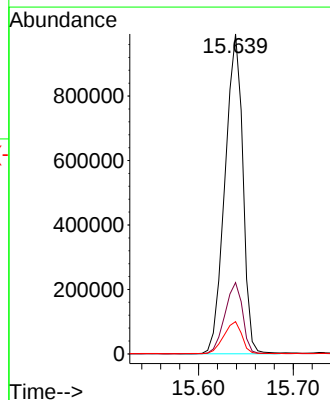
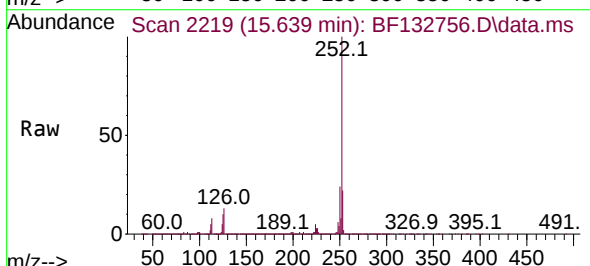
Tgt Ion:252 Resp: 1298049

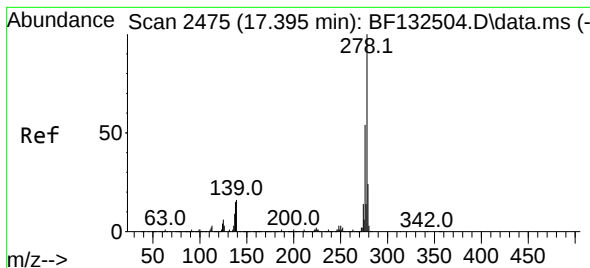
Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

125 10.1 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 47.061 ng

RT: 17.304 min Scan# 2502

Delta R.T. 0.006 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Instrument :

BNA\_F

ClientSampleId :

PB151350BS

Tgt Ion:278 Resp: 1216208

Ion Ratio Lower Upper

278 100

139 14.5 13.0 19.4

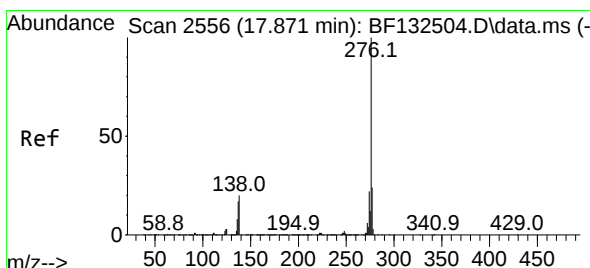
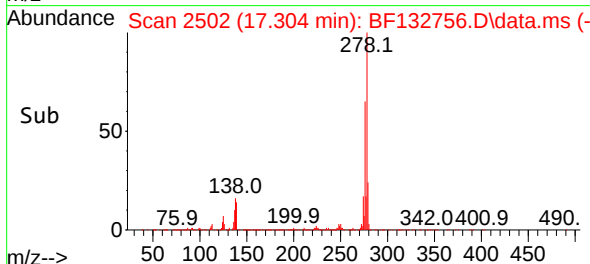
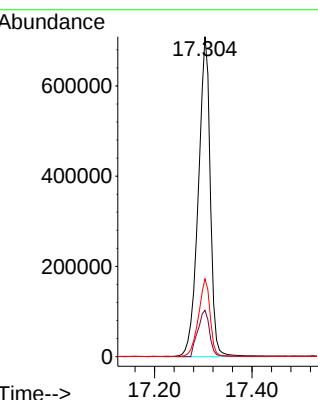
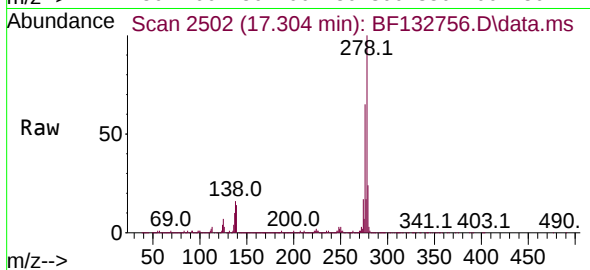
279 24.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2023

Supervised By :Jagrut Upadhyay 03/14/2023



#92

Benzo(g,h,i)perylene

Concen: 42.748 ng

RT: 17.774 min Scan# 2582

Delta R.T. 0.006 min

Lab File: BF132756.D

Acq: 13 Mar 2023 12:33

Tgt Ion:276 Resp: 1243143

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 20.5 16.2 24.4

