

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051123\  
 Data File : BF133351.D  
 Acq On : 11 May 2023 12:48  
 Operator : CG\JU  
 Sample : PB152690BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152690BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/12/2023  
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 11 13:43:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 09 04:59:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.722  | 152  | 220994   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.010  | 136  | 876527   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.763  | 164  | 449858   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.239 | 188  | 796804   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.880 | 240  | 511835   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.292 | 264  | 429350   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.345  | 112  | 1448373  | 99.004 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.375  | 99   | 1733833  | 95.485 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.292  | 82   | 1077116  | 66.329 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.551 | 330  | 424631   | 93.858 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.086  | 172  | 1822894  | 67.793 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.827 | 244  | 1919154  | 64.667 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.475  | 88   | 266999   | 39.347 | ng    | 97       |
| 3) Pyridine                   | 3.169  | 79   | 636305   | 35.306 | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.128  | 42   | 357729   | 38.321 | ng    | 97       |
| 6) Aniline                    | 6.386  | 93   | 785858   | 33.602 | ng    | # 25     |
| 8) 2-Chlorophenol             | 6.510  | 128  | 636532   | 42.854 | ng    | 98       |
| 9) Benzaldehyde               | 6.269  | 77   | 361668   | 45.129 | ng    | 96       |
| 10) Phenol                    | 6.386  | 94   | 773078   | 38.592 | ng    | 75       |
| 11) bis(2-Chloroethyl)ether   | 6.463  | 93   | 605438   | 40.276 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.663  | 146  | 684822   | 43.365 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.739  | 146  | 696313   | 43.995 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.892  | 146  | 650993   | 44.614 | ng    | 98       |
| 15) Benzyl Alcohol            | 6.875  | 79   | 491619   | 39.195 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.004  | 45   | 984547   | 37.709 | ng    | 91       |
| 17) 2-Methylphenol            | 6.992  | 107  | 533731   | 39.241 | ng    | 97       |
| 18) Hexachloroethane          | 7.233  | 117  | 244457   | 44.426 | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.145  | 70   | 411923   | 36.439 | ng    | 94       |
| 20) 3+4-Methylphenols         | 7.145  | 107  | 642617   | 40.119 | ng    | # 73     |
| 22) Acetophenone              | 7.133  | 105  | 881380   | 43.408 | ng    | # 93     |
| 24) Nitrobenzene              | 7.310  | 77   | 671948   | 40.835 | ng    | 99       |
| 25) Isophorone                | 7.551  | 82   | 1234788  | 40.049 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.628  | 139  | 365873   | 46.098 | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.675  | 122  | 586990   | 43.131 | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.763  | 93   | 741265   | 40.640 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.875  | 162  | 533881   | 43.092 | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 7.951  | 180  | 561426   | 43.741 | ng    | 99       |
| 31) Naphthalene               | 8.028  | 128  | 1810453  | 41.312 | ng    | 99       |
| 32) Benzoic acid              | 7.810  | 122  | 312687m  | 37.196 | ng    |          |
| 33) 4-Chloroaniline           | 8.080  | 127  | 509781   | 28.791 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.145  | 225  | 303865   | 42.714 | ng    | 99       |
| 35) Caprolactam               | 8.457  | 113  | 189723m  | 45.584 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.569  | 107  | 567082   | 42.445 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.722  | 142  | 1182984  | 39.484 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.822  | 142  | 1113839  | 39.740 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 493295   | 40.784 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.875  | 237  | 584862   | 82.911 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.004  | 196  | 342083   | 40.895 | ng    | 98       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF051123\  
 Data File : BF133351.D  
 Acq On : 11 May 2023 12:48  
 Operator : CG\JU  
 Sample : PB152690BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152690BS

Manual Integrations  
 APPROVED

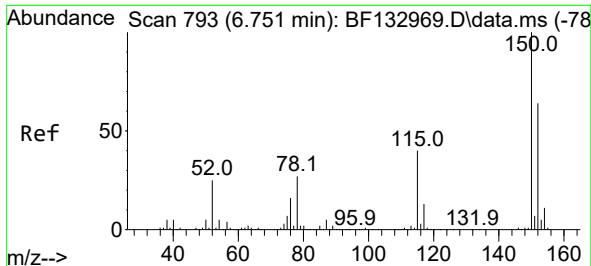
Reviewed By : Christian Giraldo 05/12/2023  
 Supervised By : Jagrut Upadhyay 05/15/2023

Quant Time: May 11 13:43:33 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 09 04:59:36 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.045  | 196  | 372005   | 38.454  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.186  | 154  | 1457305  | 40.853  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.210  | 162  | 1105322  | 42.334  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.310  | 65   | 357879   | 41.474  | ng    | 98       |
| 49) Acenaphthylene            | 9.622  | 152  | 1689621  | 40.500  | ng    | 100      |
| 50) Dimethylphthalate         | 9.492  | 163  | 1271849  | 40.546  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.551  | 165  | 293818   | 41.617  | ng    | 90       |
| 52) Acenaphthene              | 9.798  | 154  | 1224631m | 43.829  | ng    |          |
| 53) 3-Nitroaniline            | 9.716  | 138  | 273144   | 32.538  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.827  | 184  | 308329   | 86.884  | ng    | 97       |
| 55) Dibenzofuran              | 9.969  | 168  | 1492541  | 39.159  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.892  | 139  | 489793   | 75.333  | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 387044   | 42.988  | ng    | 89       |
| 58) Fluorene                  | 10.310 | 166  | 1127053  | 40.361  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.086 | 232  | 305799   | 40.773  | ng    | 99       |
| 60) Diethylphthalate          | 10.186 | 149  | 1172625  | 39.577  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.298 | 204  | 527348   | 38.753  | ng    | 94       |
| 62) 4-Nitroaniline            | 10.333 | 138  | 331682   | 42.989  | ng    | 99       |
| 63) Azobenzene                | 10.463 | 77   | 1207386  | 38.468  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.363 | 198  | 218001   | 45.138  | ng    | 78       |
| 66) n-Nitrosodiphenylamine    | 10.421 | 169  | 1013299  | 39.205  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.786 | 248  | 340011   | 39.345  | ng    | 93       |
| 68) Hexachlorobenzene         | 10.857 | 284  | 367472   | 41.498  | ng    | 96       |
| 69) Atrazine                  | 10.951 | 200  | 343818   | 46.166  | ng    | 99       |
| 70) Pentachlorophenol         | 11.057 | 266  | 429362   | 68.082  | ng    | 98       |
| 71) Phenanthrene              | 11.268 | 178  | 1688887  | 39.436  | ng    | 100      |
| 72) Anthracene                | 11.321 | 178  | 1734788  | 39.582  | ng    | 99       |
| 73) Carbazole                 | 11.474 | 167  | 1620804  | 41.532  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.810 | 149  | 1775827  | 40.210  | ng    | 99       |
| 75) Fluoranthene              | 12.451 | 202  | 1705099  | 39.671  | ng    | 99       |
| 77) Benzidine                 | 12.574 | 184  | 974561   | 112.596 | ng    | # 94     |
| 78) Pyrene                    | 12.680 | 202  | 1764114  | 40.207  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.304 | 149  | 747853   | 48.139  | ng    | 97       |
| 81) Benzo(a)anthracene        | 13.868 | 228  | 1353151  | 38.445  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.833 | 252  | 378492   | 38.926  | ng    | 100      |
| 83) Chrysene                  | 13.909 | 228  | 1360770  | 38.671  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 13.862 | 149  | 866317   | 44.427  | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.474 | 149  | 1453631  | 45.718  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.680 | 276  | 1182058  | 48.401  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.892 | 252  | 1143187  | 41.852  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 14.921 | 252  | 1153426  | 42.598  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.239 | 252  | 982823   | 39.531  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.692 | 278  | 974285   | 47.831  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.098 | 276  | 987193   | 49.090  | ng    | 96       |

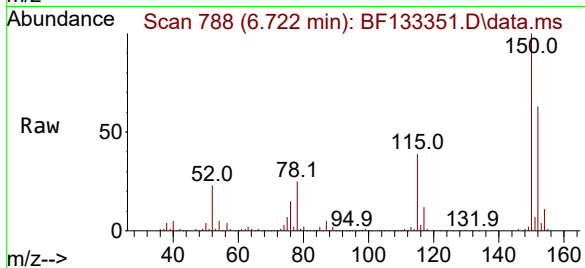
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.722 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

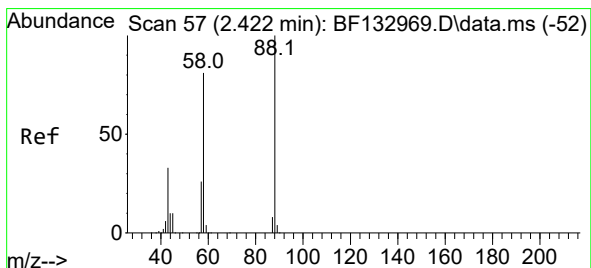
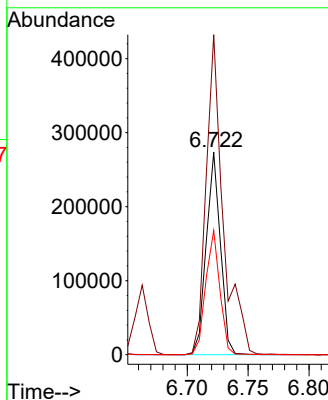
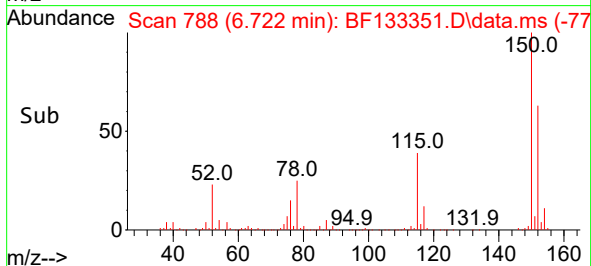
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:152 Resp: 220994  
Ion Ratio Lower Upper  
152 100  
150 158.0 124.8 187.2  
115 61.3 49.9 74.9

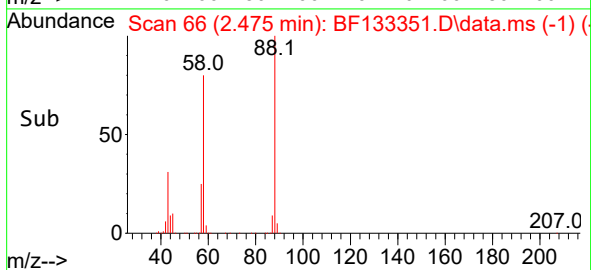
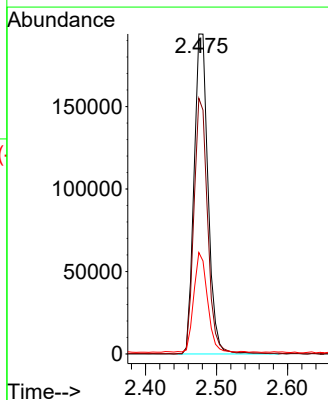
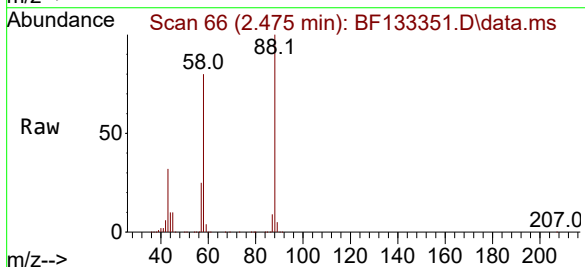
Manual Integrations  
APPROVED

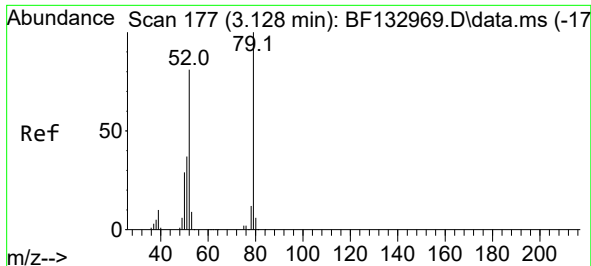
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#2  
1,4-Dioxane  
Concen: 39.347 ng  
RT: 2.475 min Scan# 66  
Delta R.T. 0.106 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

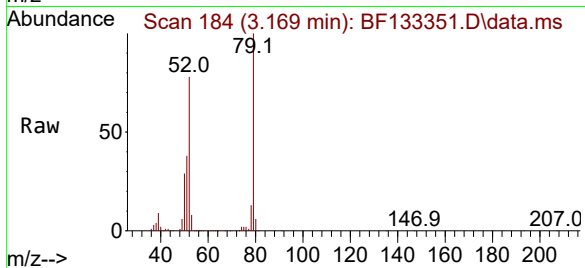
Tgt Ion: 88 Resp: 266999  
Ion Ratio Lower Upper  
88 100  
58 78.3 64.7 97.1  
43 30.2 26.2 39.2





#3  
Pyridine  
Concen: 35.306 ng  
RT: 3.169 min Scan# 177  
Delta R.T. 0.106 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

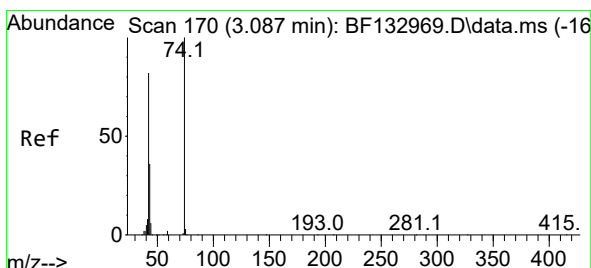
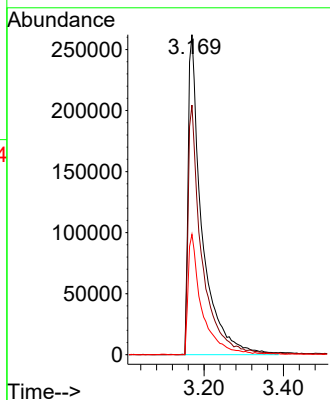
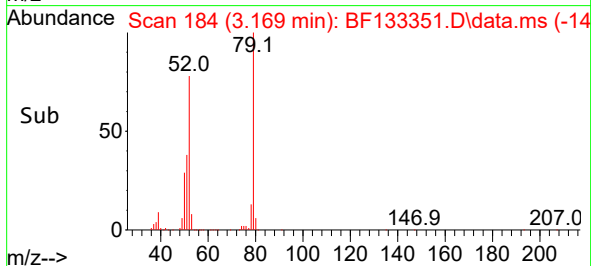
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion: 79 Resp: 636309  
Ion Ratio Lower Upper  
79 100  
52 78.0 64.6 96.8  
51 37.6 30.0 45.0

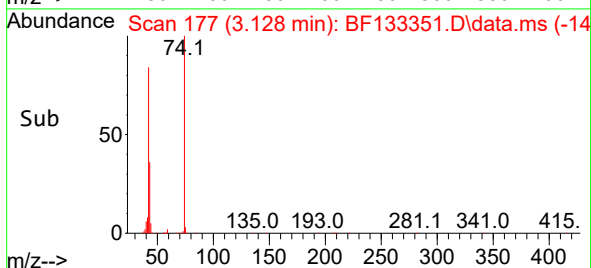
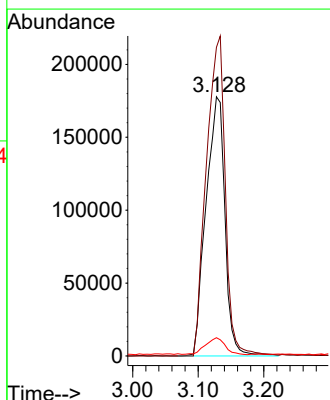
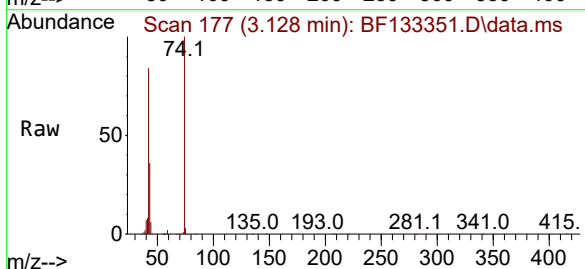
Manual Integrations  
APPROVED

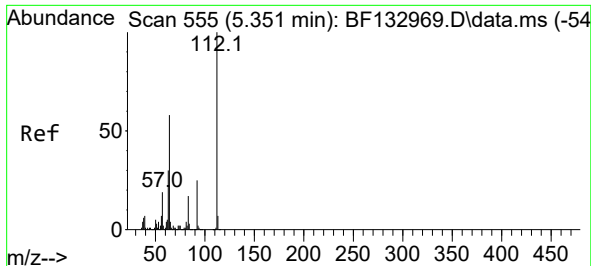
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#4  
n-Nitrosodimethylamine  
Concen: 38.321 ng  
RT: 3.128 min Scan# 177  
Delta R.T. 0.094 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

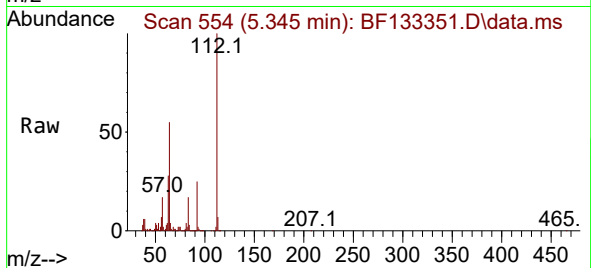
Tgt Ion: 42 Resp: 357729  
Ion Ratio Lower Upper  
42 100  
74 119.1 98.0 147.0  
44 7.1 5.8 8.8





#5  
2-Fluorophenol  
Concen: 99.004 ng  
RT: 5.345 min Scan# 511  
Delta R.T. 0.018 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

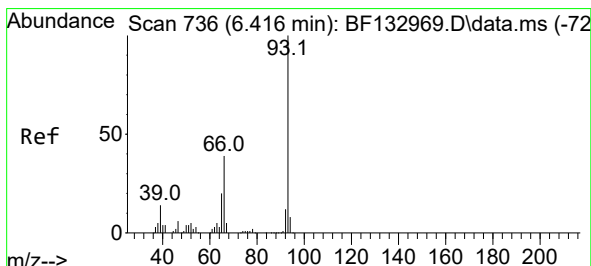
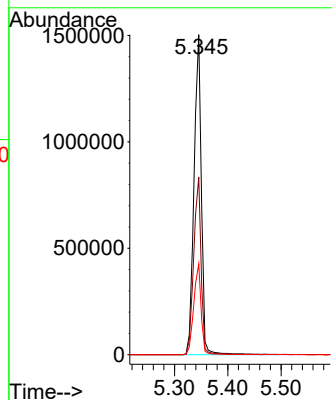
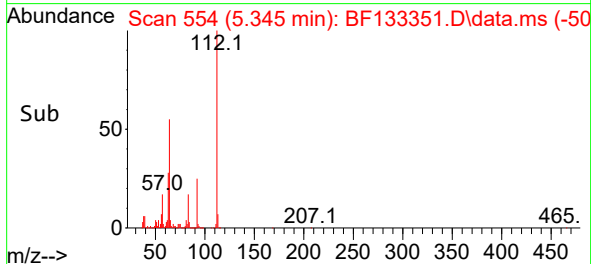
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:112 Resp: 144837  
Ion Ratio Lower Upper  
112 100  
64 55.4 46.8 70.2  
63 28.4 23.8 35.8

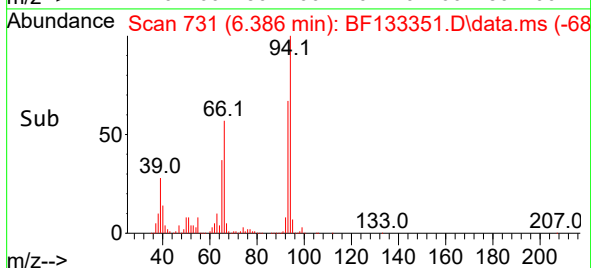
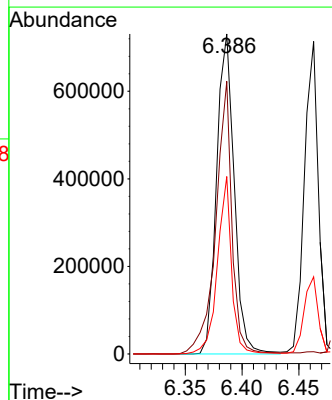
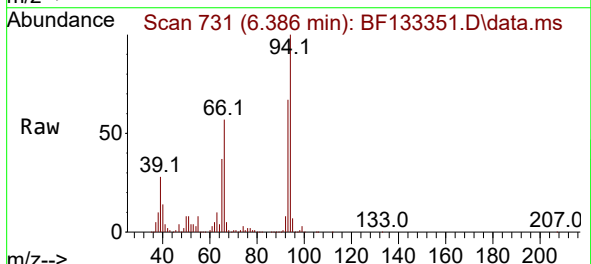
Manual Integrations  
APPROVED

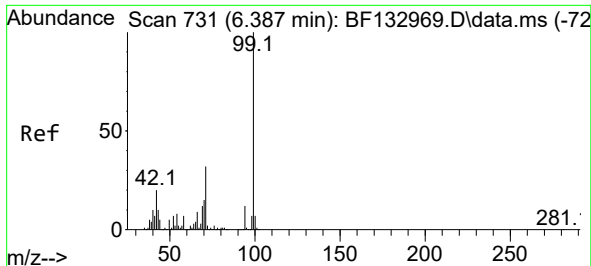
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#6  
Aniline  
Concen: 33.602 ng  
RT: 6.386 min Scan# 731  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

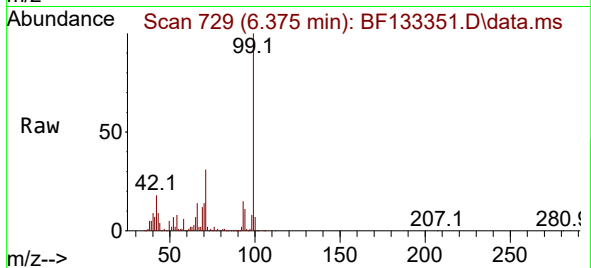
Tgt Ion: 93 Resp: 785858  
Ion Ratio Lower Upper  
93 100  
66 85.2 31.5 47.3#  
65 55.4 16.4 24.6#





#7  
Phenol-d6  
Concen: 95.485 ng  
RT: 6.375 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

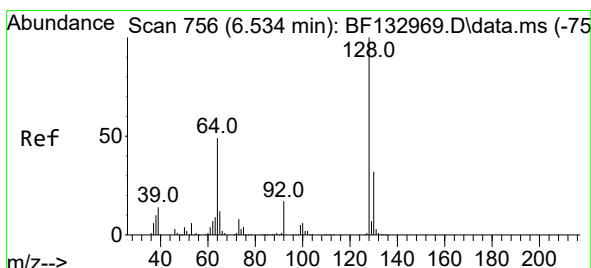
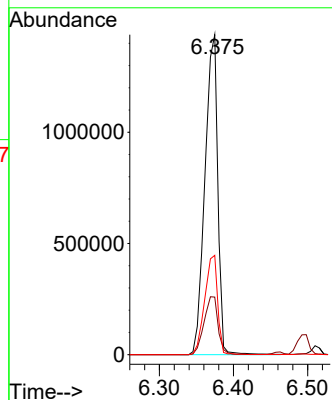
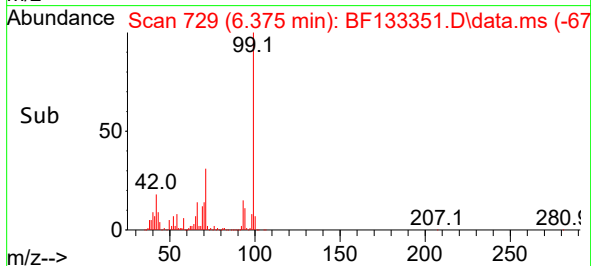
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



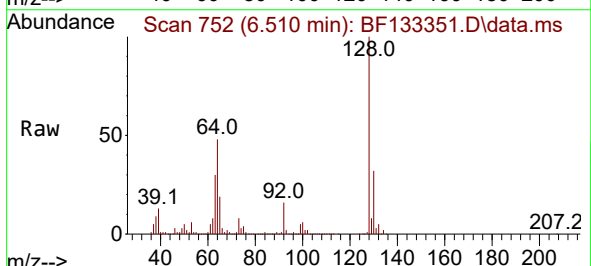
Tgt Ion: 99 Resp: 173383  
Ion Ratio Lower Upper  
99 100  
42 18.0 16.3 24.5  
71 31.0 25.6 38.4

Manual Integrations  
APPROVED

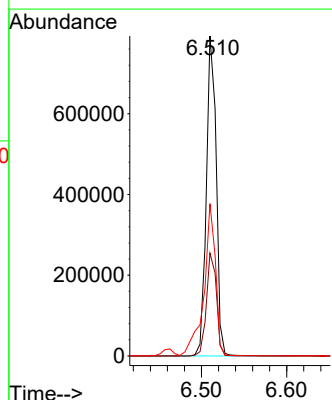
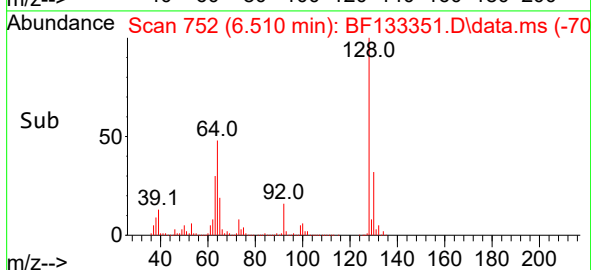
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

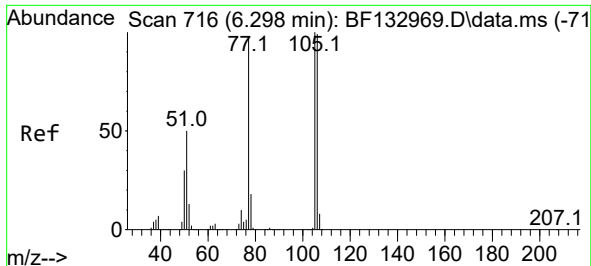


#8  
2-Chlorophenol  
Concen: 42.854 ng  
RT: 6.510 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:128 Resp: 636532  
Ion Ratio Lower Upper  
128 100  
130 32.1 12.2 52.2  
64 47.6 30.3 70.3





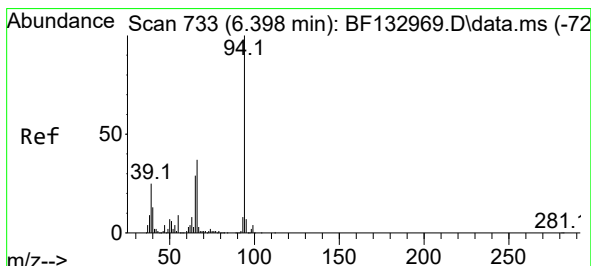
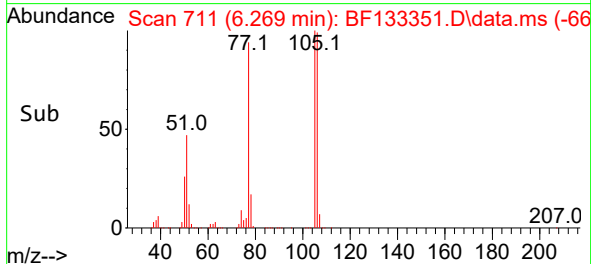
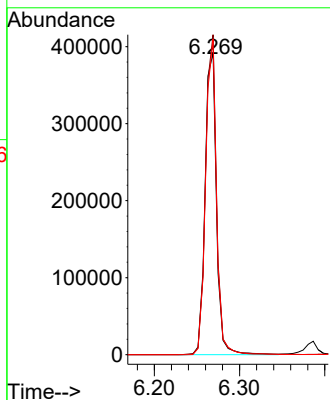
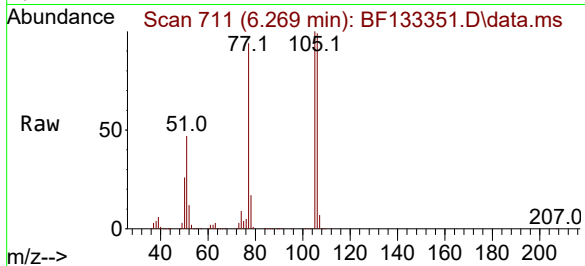
#9  
Benzaldehyde  
Concen: 45.129 ng  
RT: 6.269 min Scan# 716  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS

Tgt Ion: 77 Resp: 361668  
Ion Ratio Lower Upper  
77 100  
105 106.0 82.3 122.3  
106 104.6 80.8 120.8

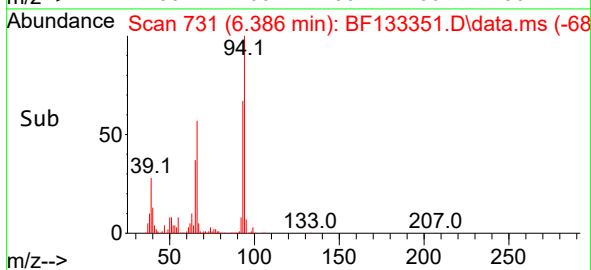
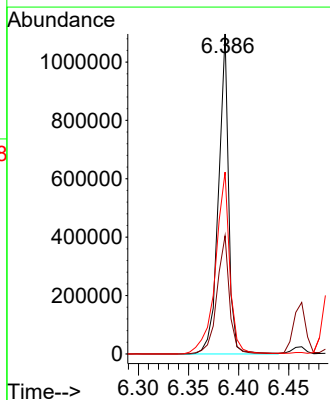
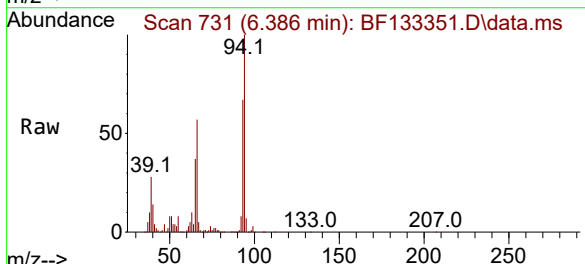
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

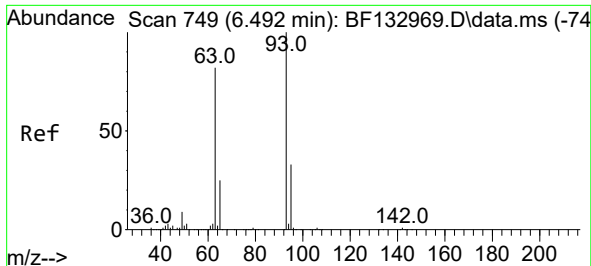


#10  
Phenol  
Concen: 38.592 ng  
RT: 6.386 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion: 94 Resp: 773078  
Ion Ratio Lower Upper  
94 100  
65 37.0 8.6 48.6  
66 56.8 17.3 57.3







#11

bis(2-Chloroethyl)ether

Concen: 40.276 ng

RT: 6.463 min Scan# 749

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion: 93 Resp: 605438

Ion Ratio Lower Upper

93 100

63 78.6 60.6 100.6

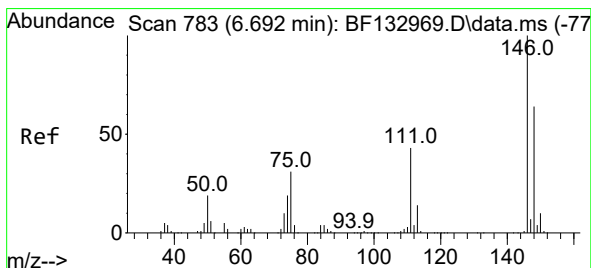
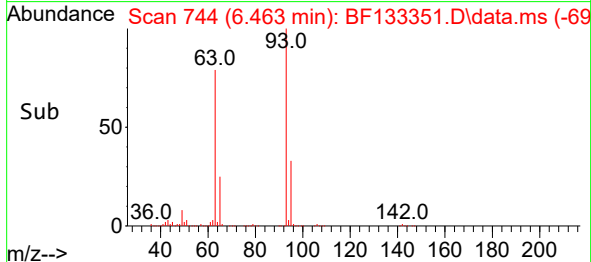
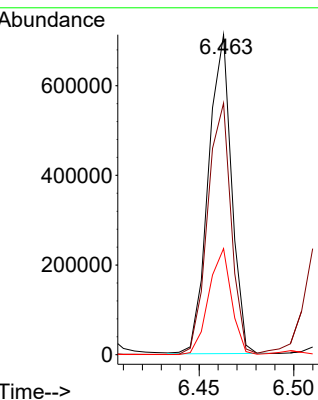
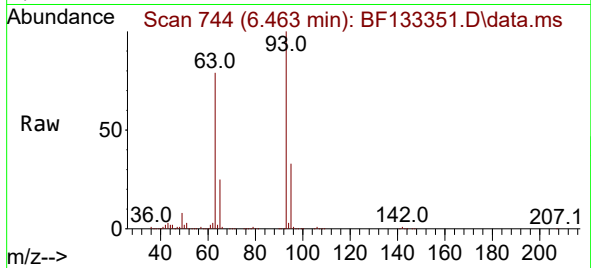
95 33.1 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#12

1,3-Dichlorobenzene

Concen: 43.365 ng

RT: 6.663 min Scan# 778

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

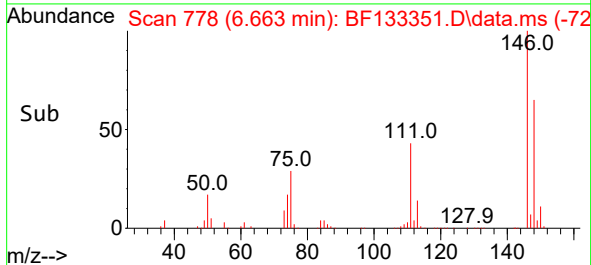
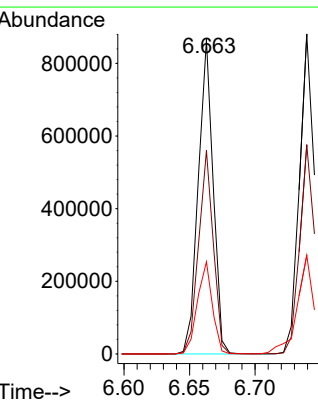
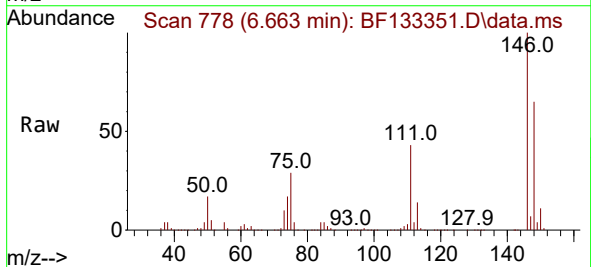
Tgt Ion:146 Resp: 684822

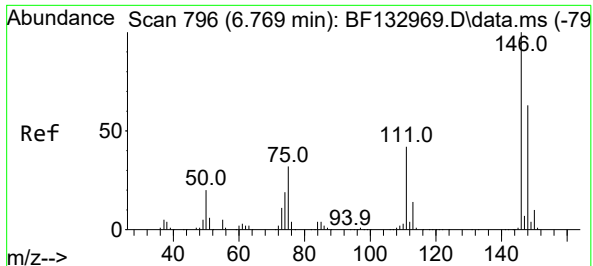
Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.4

75 29.3 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 43.995 ng

RT: 6.739 min Scan# 796

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion:146 Resp: 69631

Ion Ratio Lower Upper

146 100

148 65.4 50.3 75.5

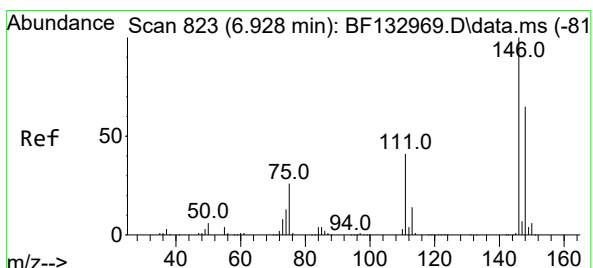
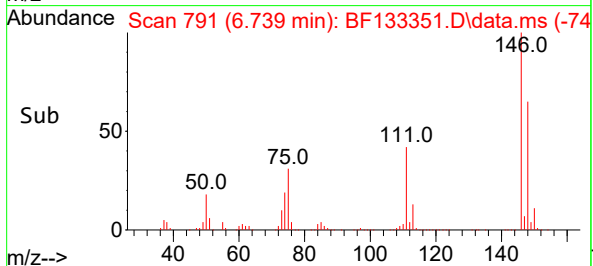
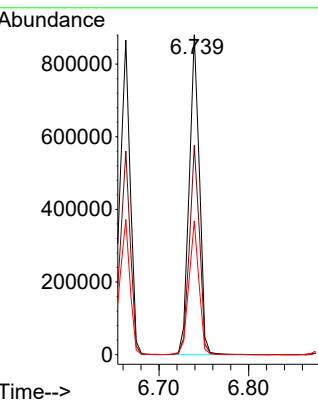
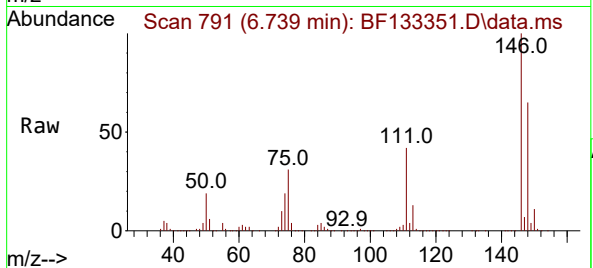
111 41.8 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#14

1,2-Dichlorobenzene

Concen: 44.614 ng

RT: 6.892 min Scan# 817

Delta R.T. -0.006 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

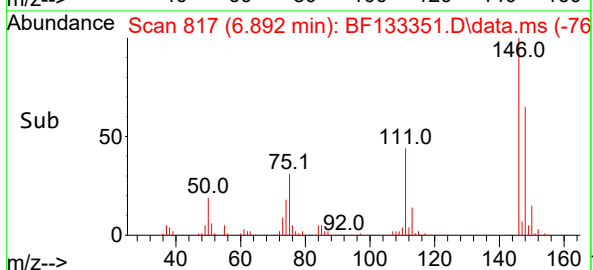
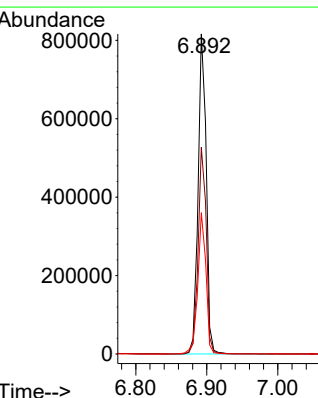
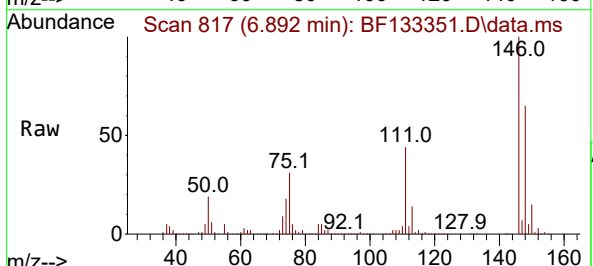
Tgt Ion:146 Resp: 650993

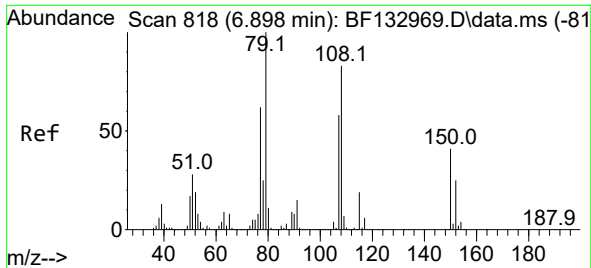
Ion Ratio Lower Upper

146 100

148 64.5 52.2 78.2

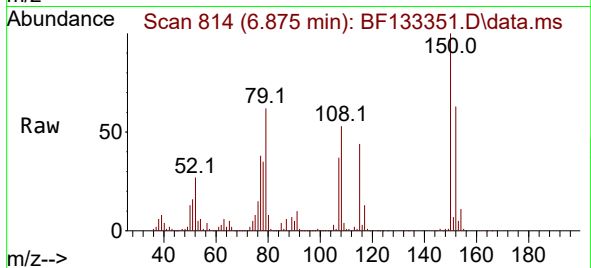
111 44.1 32.8 49.2





#15  
Benzyl Alcohol  
Concen: 39.195 ng  
RT: 6.875 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

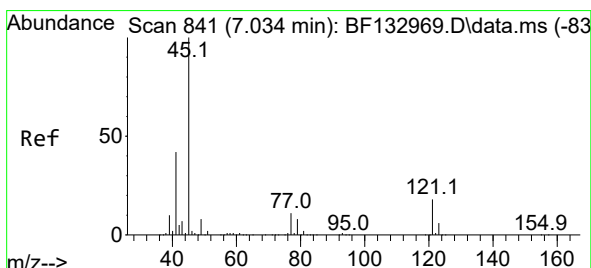
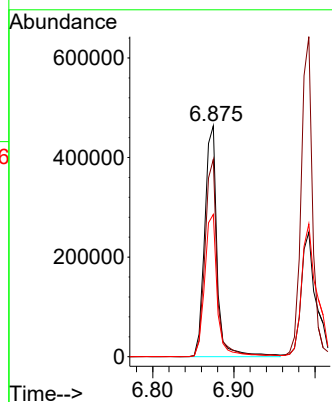
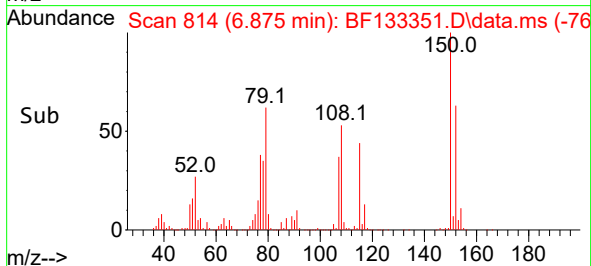
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion: 79 Resp: 491619  
Ion Ratio Lower Upper  
79 100  
108 85.4 66.6 99.8  
77 61.6 49.2 73.8

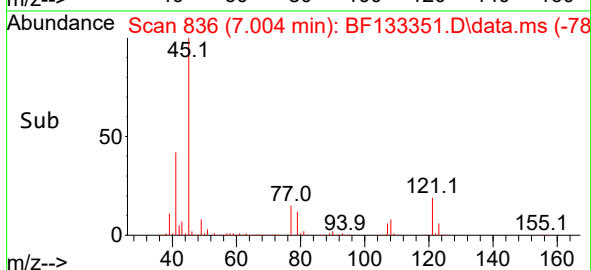
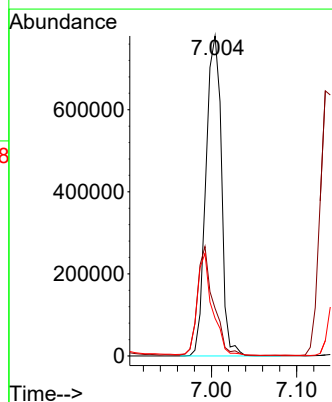
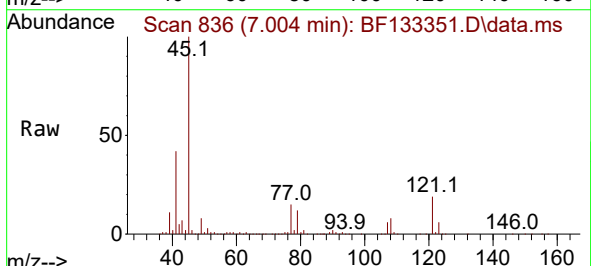
Manual Integrations  
APPROVED

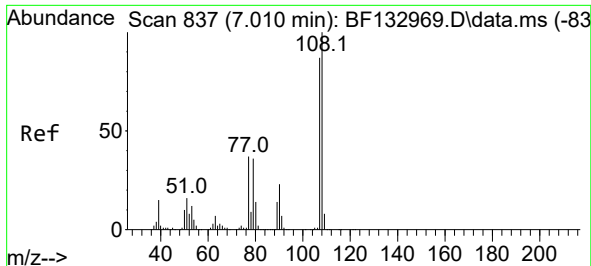
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 37.709 ng  
RT: 7.004 min Scan# 836  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion: 45 Resp: 984547  
Ion Ratio Lower Upper  
45 100  
77 14.9 0.0 31.5  
79 11.7 0.0 28.7





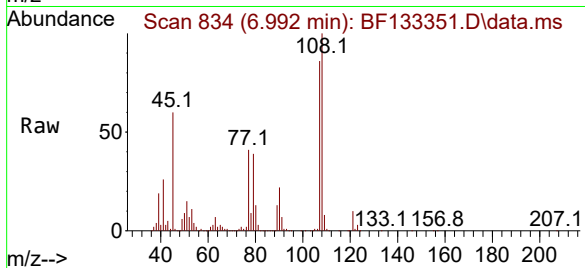
#17  
2-Methylphenol  
Concen: 39.241 ng  
RT: 6.992 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

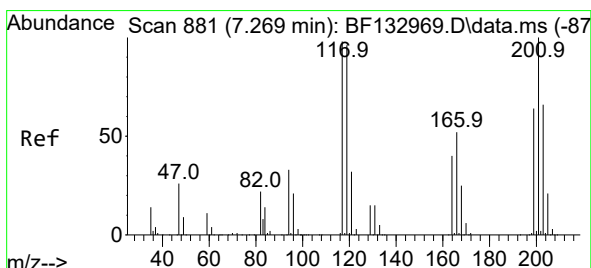
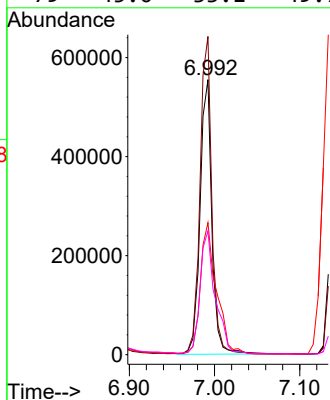
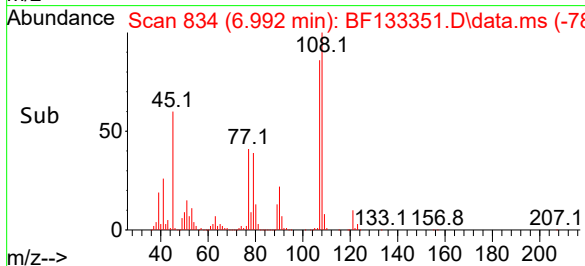


Tgt Ion:107 Resp: 53373  
Ion Ratio Lower Upper  
107 100  
108 115.7 92.4 138.6  
77 48.0 33.8 50.8  
79 45.0 33.1 49.7

Manual Integrations

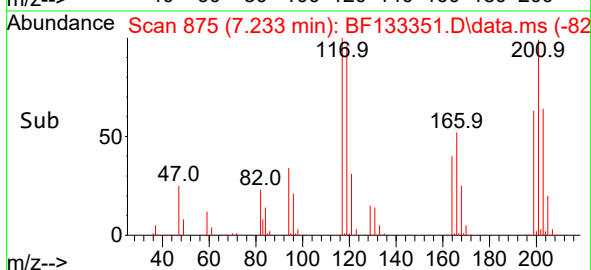
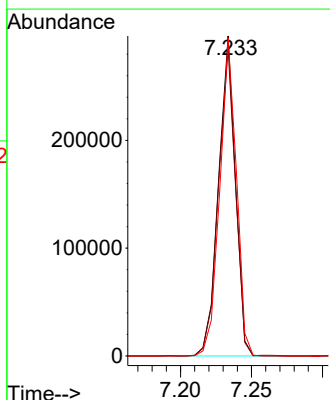
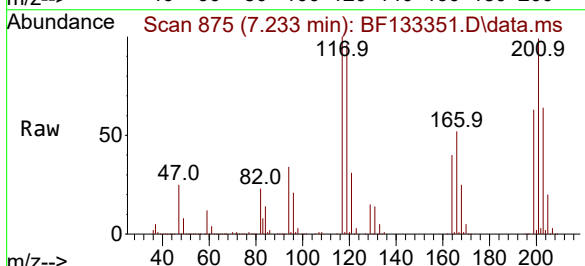
APPROVED

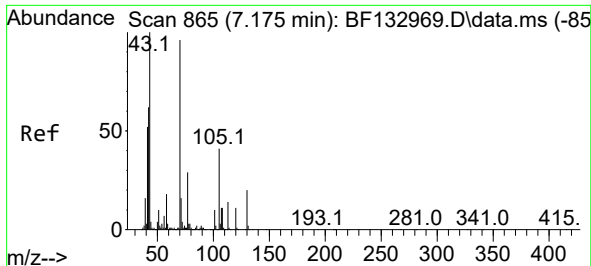
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#18  
Hexachloroethane  
Concen: 44.426 ng  
RT: 7.233 min Scan# 875  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:117 Resp: 244457  
Ion Ratio Lower Upper  
117 100  
119 96.1 78.2 117.4  
201 99.4 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 36.439 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.000 min

Lab File: BF133351.D

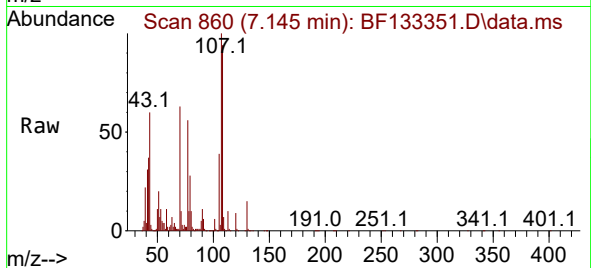
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion: 70 Resp: 41192

Ion Ratio Lower Upper

70 100

42 59.6 51.8 77.6

101 10.2 8.0 12.0

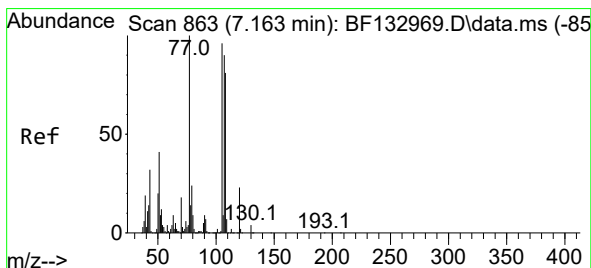
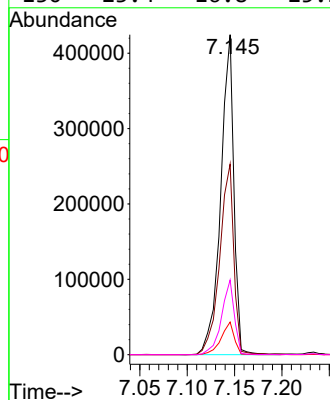
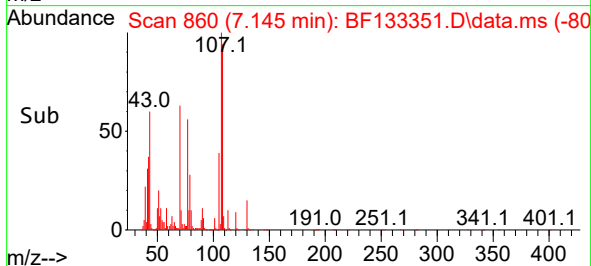
130 23.4 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#20

3+4-Methylphenols

Concen: 40.119 ng

RT: 7.145 min Scan# 860

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Tgt Ion:107 Resp: 642617

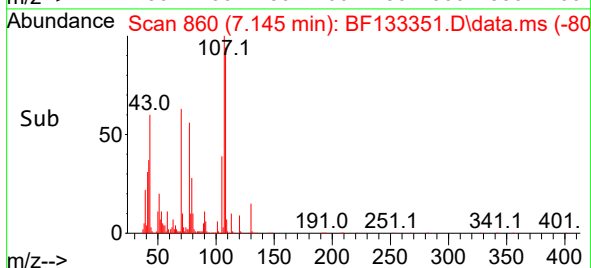
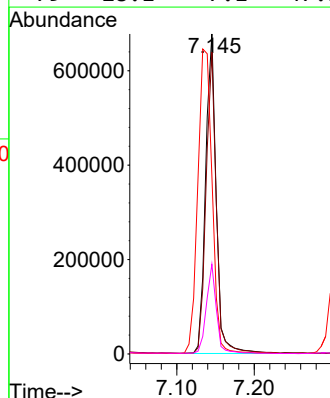
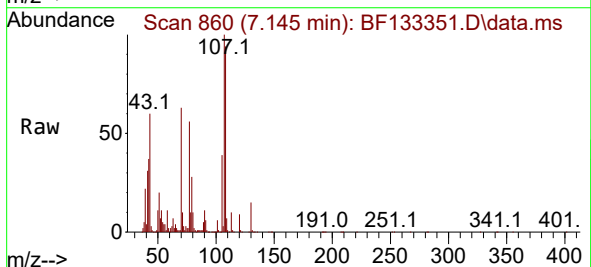
Ion Ratio Lower Upper

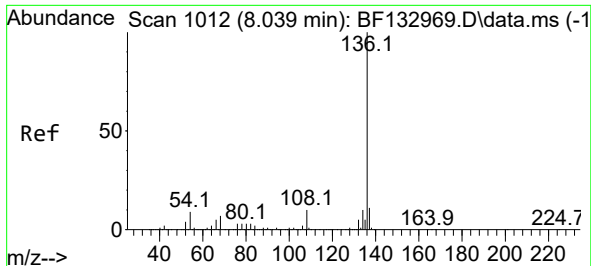
107 100

108 94.3 70.5 110.5

77 55.7 91.7 131.7#

79 28.1 7.1 47.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.010 min Scan# 1012  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

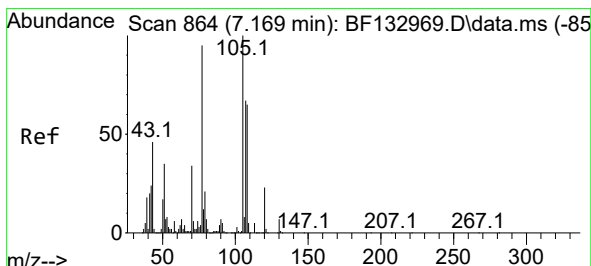
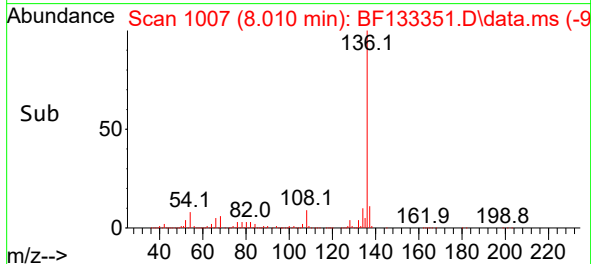
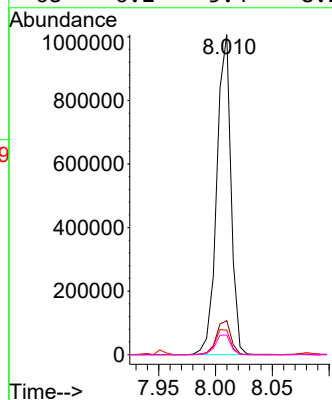
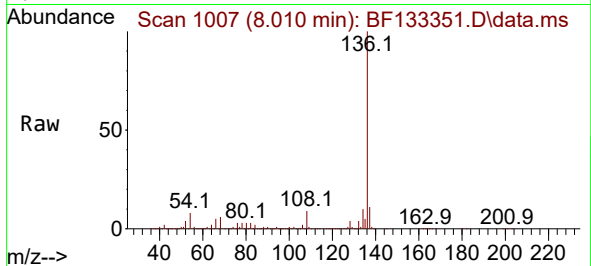
ClientSampleId :

PB152690BS

Tgt Ion:136 Resp: 87652  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.6 13.0  
54 7.6 7.0 10.4  
68 6.2 5.4 8.2

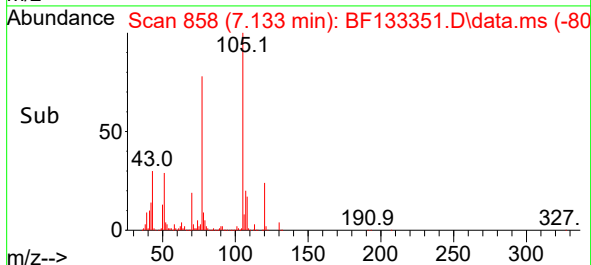
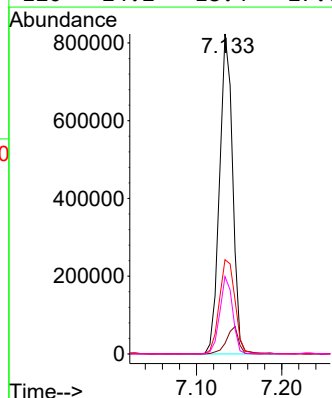
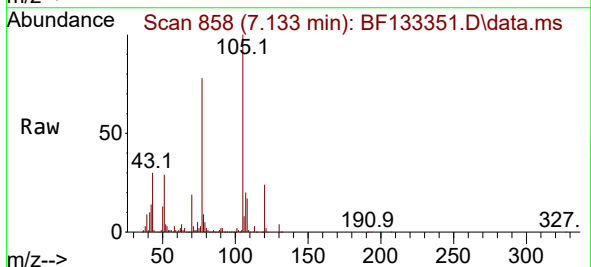
Manual Integrations  
APPROVED

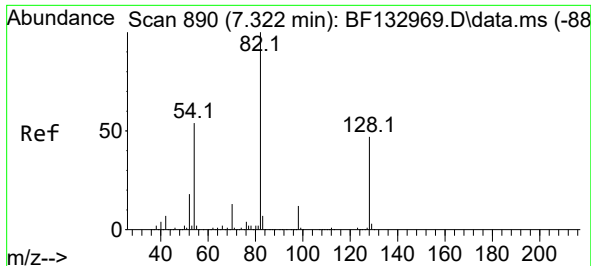
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#22  
Acetophenone  
Concen: 43.408 ng  
RT: 7.133 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:105 Resp: 881380  
Ion Ratio Lower Upper  
105 100  
71 3.3 4.6 7.0#  
51 29.5 28.2 42.2  
120 24.2 18.4 27.6





#23  
Nitrobenzene-d5  
Concen: 66.329 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

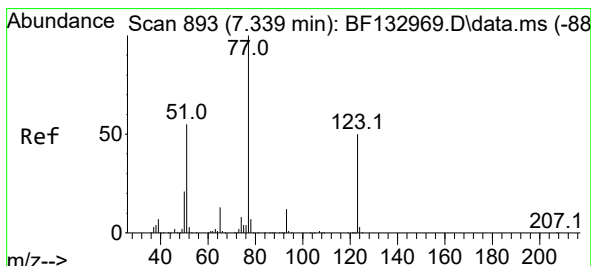
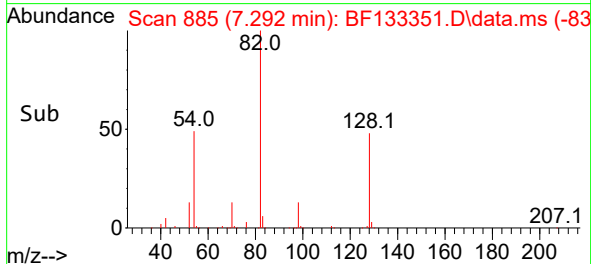
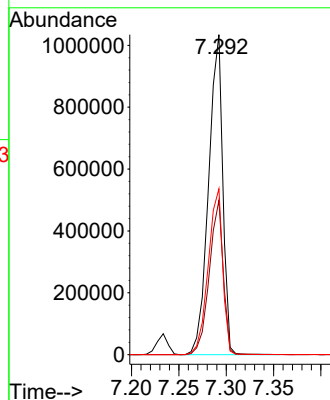
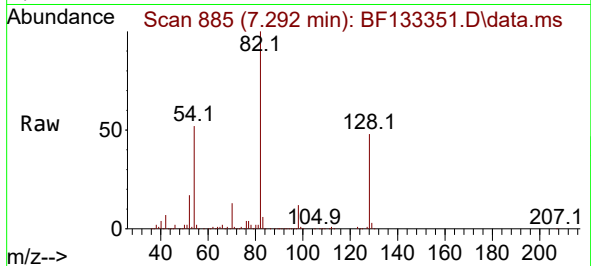
ClientSampleId :

PB152690BS

Tgt Ion: 82 Resp: 1077110  
Ion Ratio Lower Upper  
82 100  
128 48.2 37.7 56.5  
54 51.8 43.0 64.4

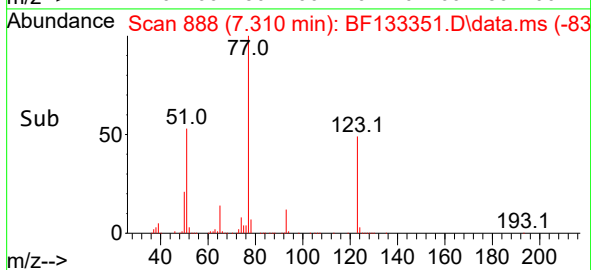
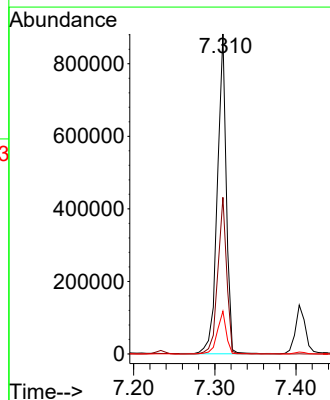
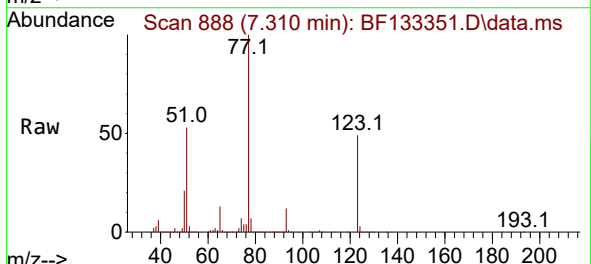
Manual Integrations  
APPROVED

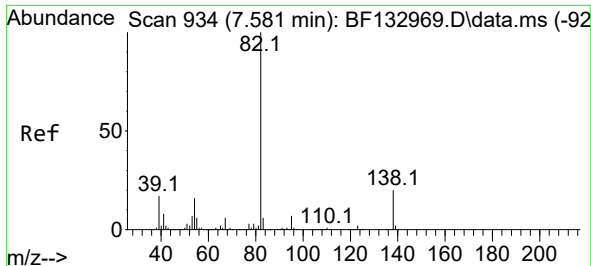
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#24  
Nitrobenzene  
Concen: 40.835 ng  
RT: 7.310 min Scan# 888  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

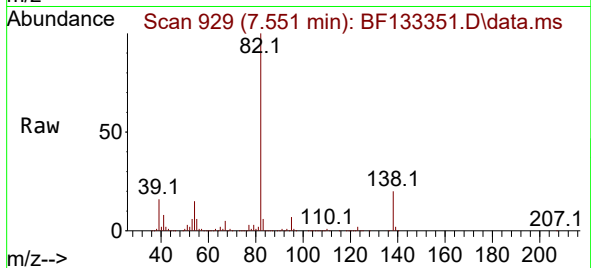
Tgt Ion: 77 Resp: 671948  
Ion Ratio Lower Upper  
77 100  
123 49.0 39.9 59.9  
65 13.3 10.7 16.1





#25  
Isophorone  
Concen: 40.049 ng  
RT: 7.551 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

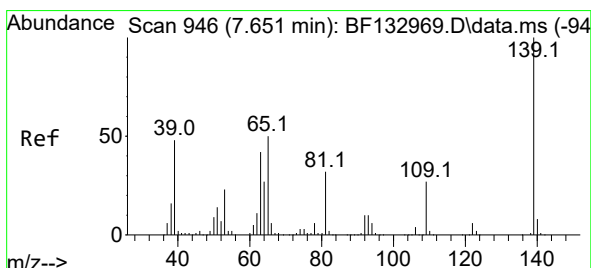
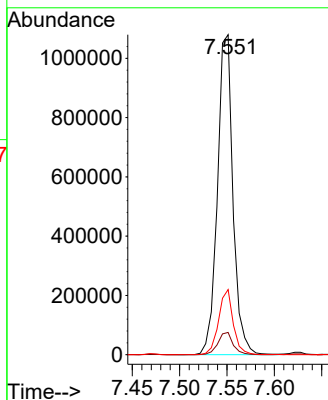
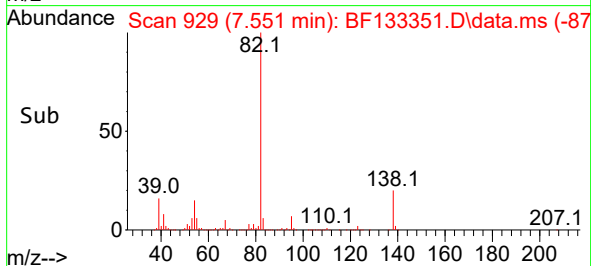
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



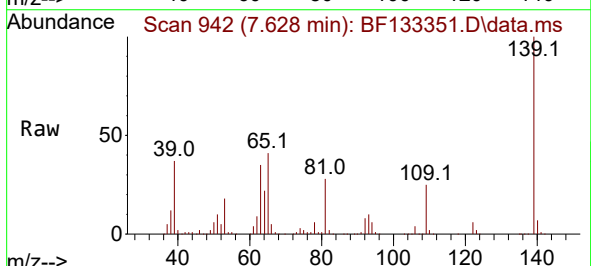
Tgt Ion: 82 Resp: 123478  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.4 8.0  
138 20.3 16.0 24.0

Manual Integrations  
APPROVED

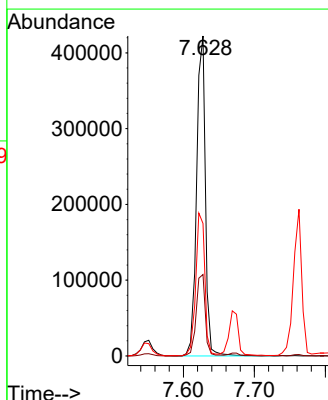
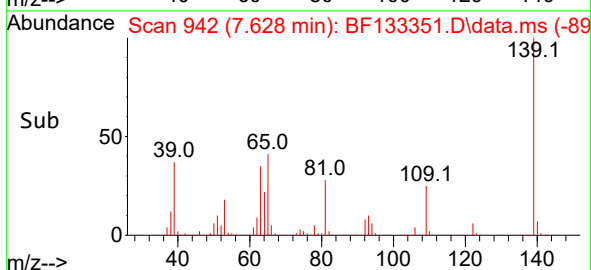
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



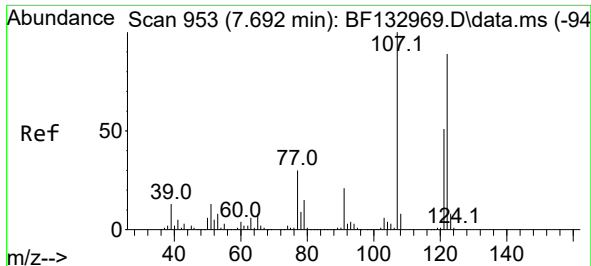
#26  
2-Nitrophenol  
Concen: 46.098 ng  
RT: 7.628 min Scan# 942  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:139 Resp: 365873  
Ion Ratio Lower Upper  
139 100  
109 25.5 21.6 32.4  
65 41.4 39.8 59.6







#27

2,4-Dimethylphenol

Concen: 43.131 ng

RT: 7.675 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF133351.D

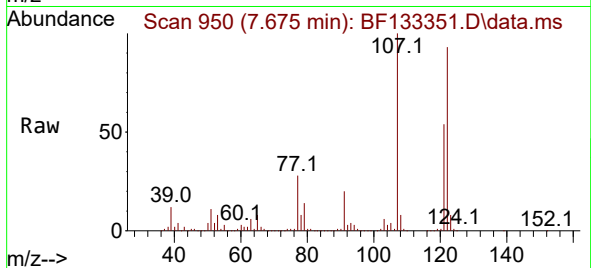
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion:122 Resp: 586990

Ion Ratio Lower Upper

122 100

107 107.7 89.7 134.5

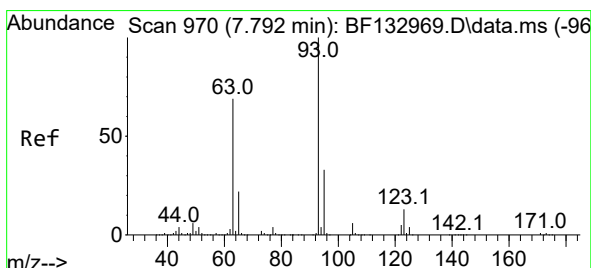
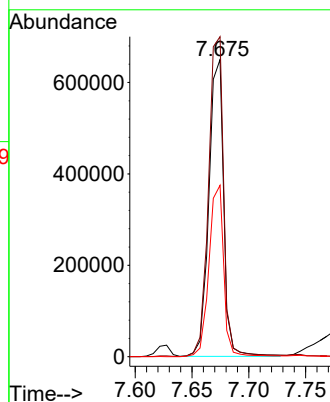
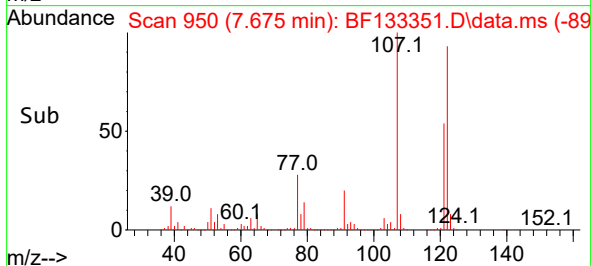
121 57.7 46.0 69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#28

bis(2-Chloroethoxy)methane

Concen: 40.640 ng

RT: 7.763 min Scan# 965

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

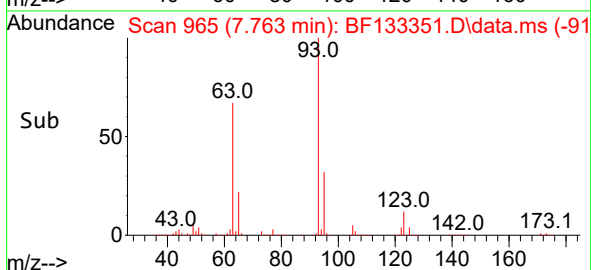
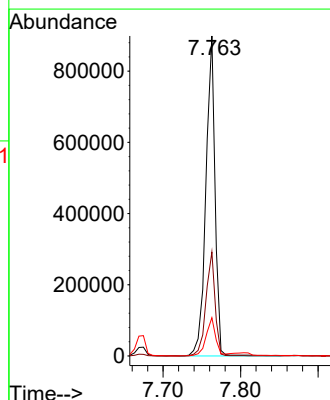
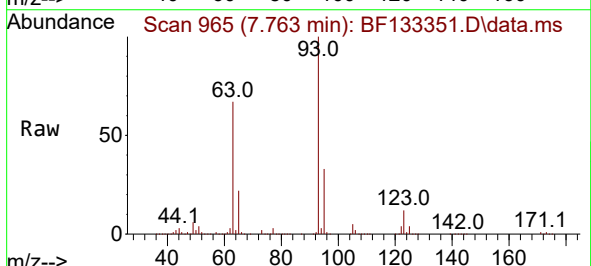
Tgt Ion: 93 Resp: 741265

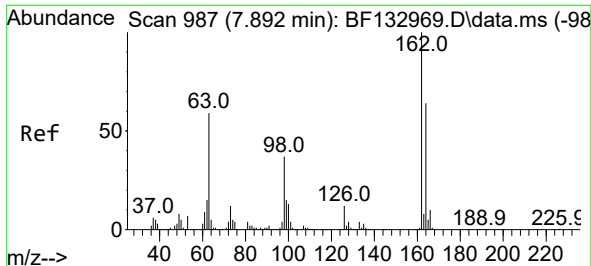
Ion Ratio Lower Upper

93 100

95 32.5 26.4 39.6

123 12.0 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 43.092 ng

RT: 7.875 min Scan# 991

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion:162 Resp: 53388

Ion Ratio Lower Upper

162 100

164 65.0 43.9 83.9

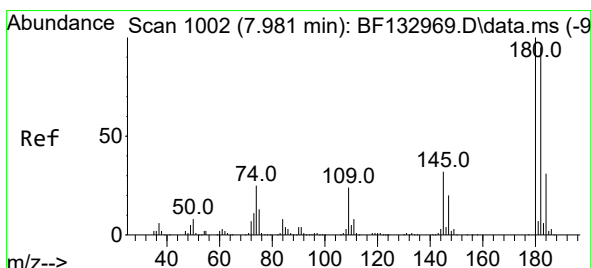
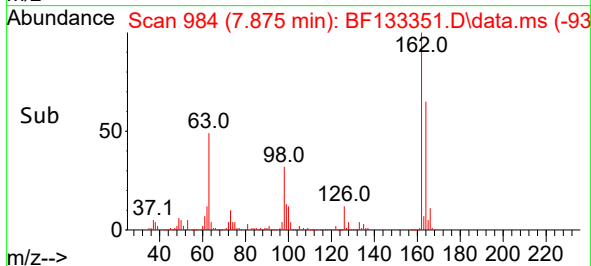
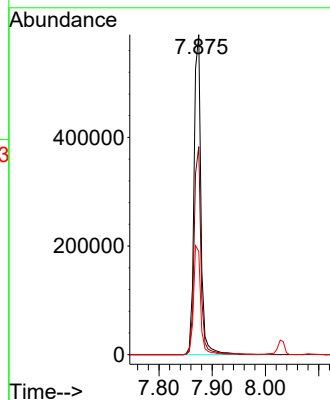
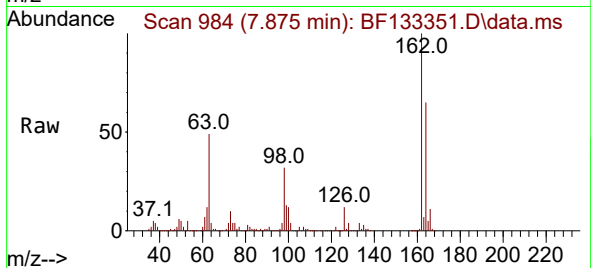
98 32.3 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.741 ng

RT: 7.951 min Scan# 997

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

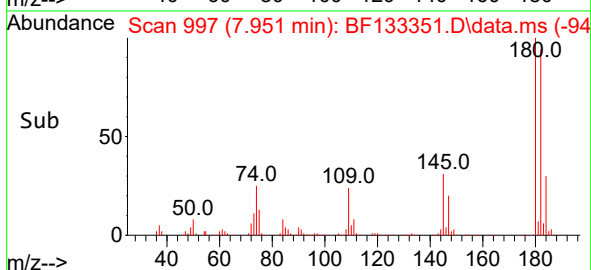
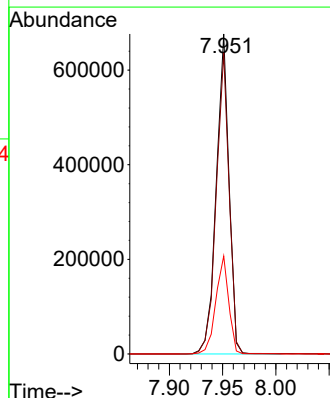
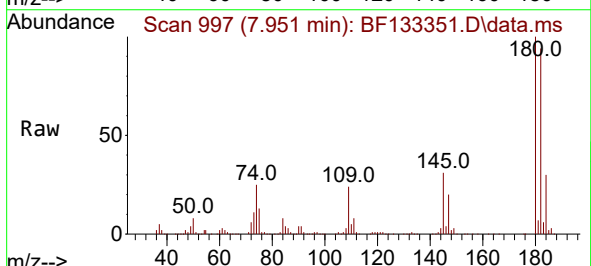
Tgt Ion:180 Resp: 561426

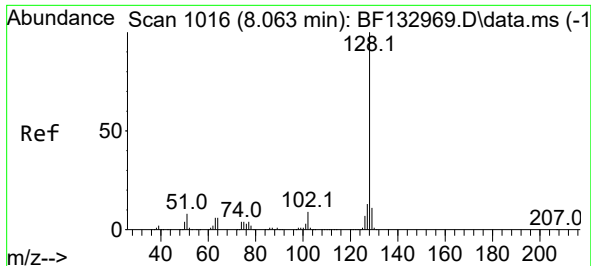
Ion Ratio Lower Upper

180 100

182 94.1 75.9 113.9

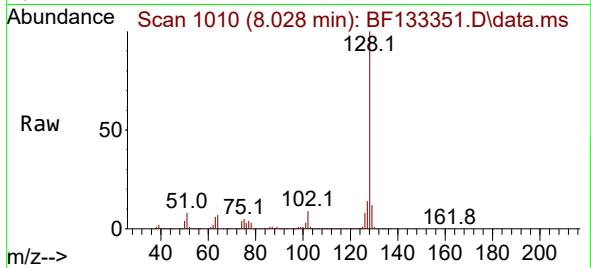
145 30.6 25.3 37.9





#31  
Naphthalene  
Concen: 41.312 ng  
RT: 8.028 min Scan# 1016  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

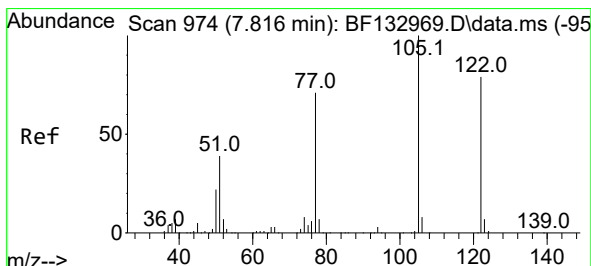
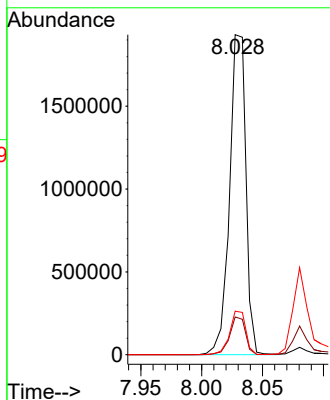
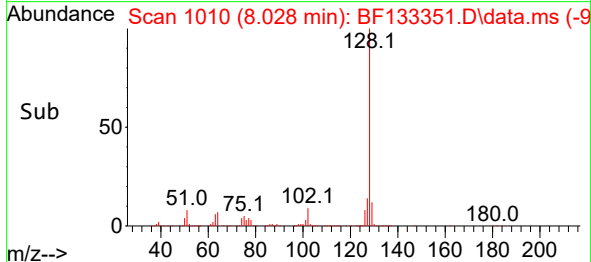
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:128 Resp: 181045  
Ion Ratio Lower Upper  
128 100  
129 11.8 8.8 13.2  
127 13.6 10.7 16.1

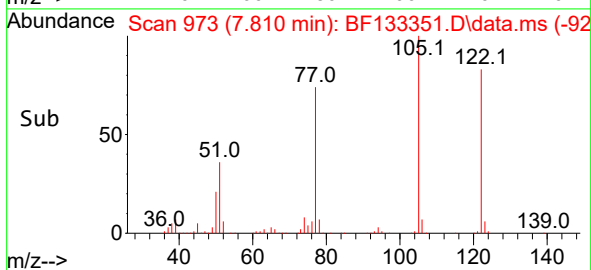
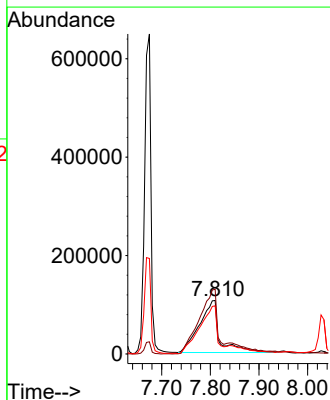
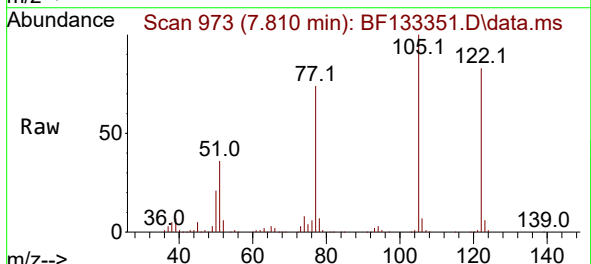
Manual Integrations  
APPROVED

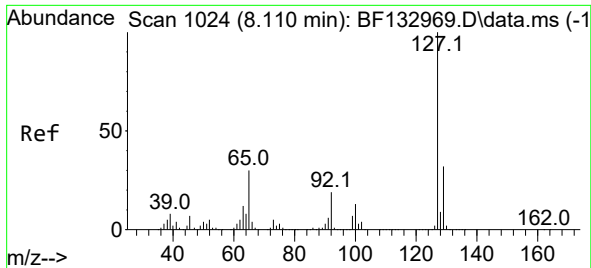
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#32  
Benzoic acid  
Concen: 37.196 ng m  
RT: 7.810 min Scan# 973  
Delta R.T. 0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:122 Resp: 312687  
Ion Ratio Lower Upper  
122 100  
105 121.1 104.2 144.2  
77 90.2 69.7 109.7





#33  
4-Chloroaniline  
Concen: 28.791 ng  
RT: 8.080 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

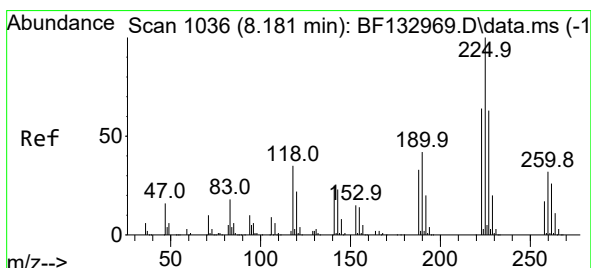
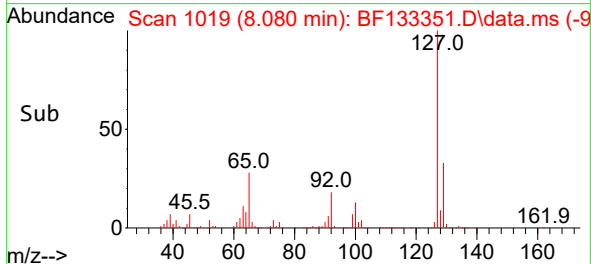
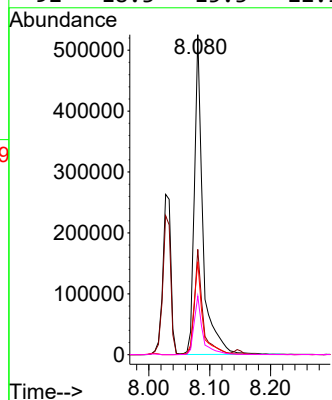
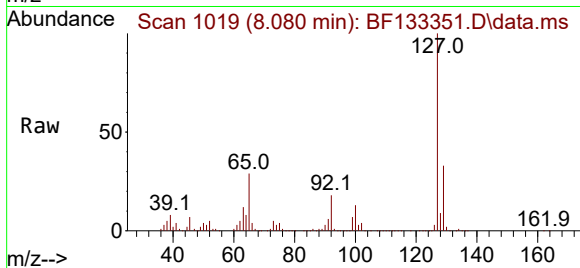
ClientSampleId :

PB152690BS

Tgt Ion:127 Resp: 50978  
Ion Ratio Lower Upper  
127 100  
129 32.9 25.8 38.8  
65 29.0 23.6 35.4  
92 18.3 15.3 22.9

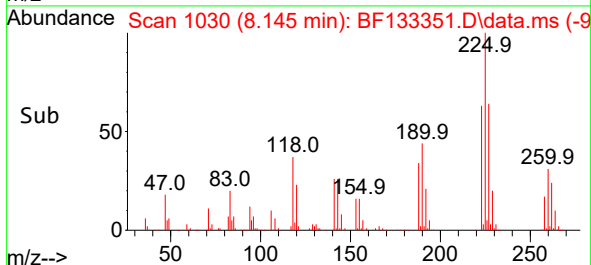
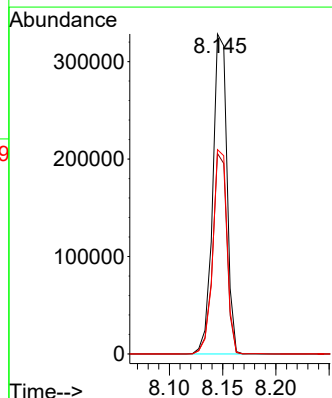
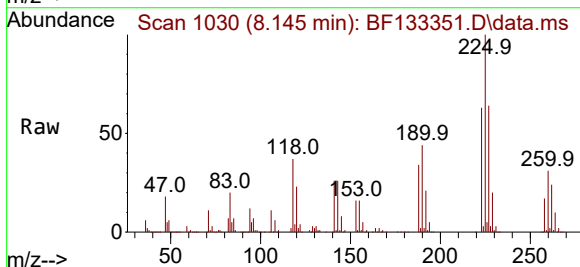
Manual Integrations  
APPROVED

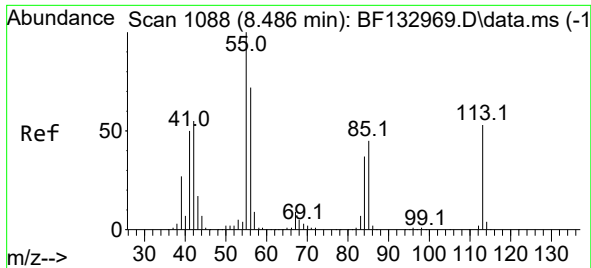
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#34  
Hexachlorobutadiene  
Concen: 42.714 ng  
RT: 8.145 min Scan# 1030  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

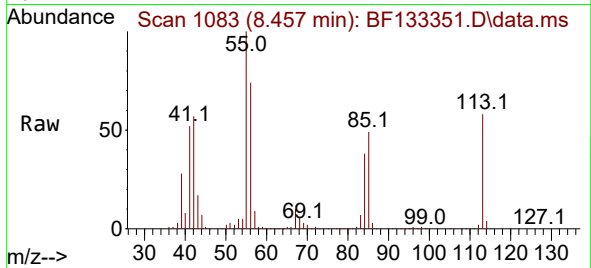
Tgt Ion:225 Resp: 303865  
Ion Ratio Lower Upper  
225 100  
223 62.7 50.9 76.3  
227 63.8 50.3 75.5





#35  
Caprolactam  
Concen: 45.584 ng m  
RT: 8.457 min Scan# 1083  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

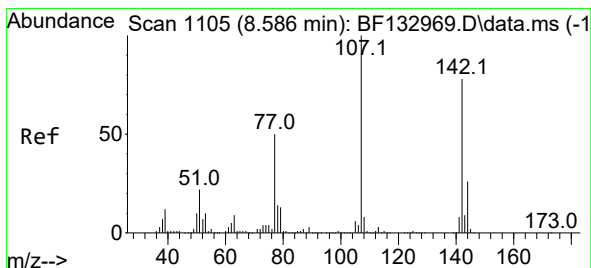
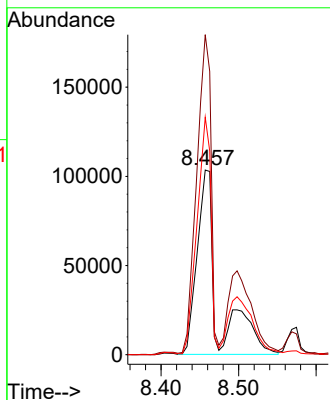
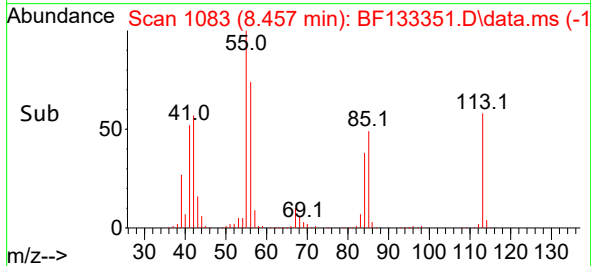
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:113 Resp: 18972  
Ion Ratio Lower Upper  
113 100  
55 173.2 167.1 207.1  
56 128.5 114.5 154.5

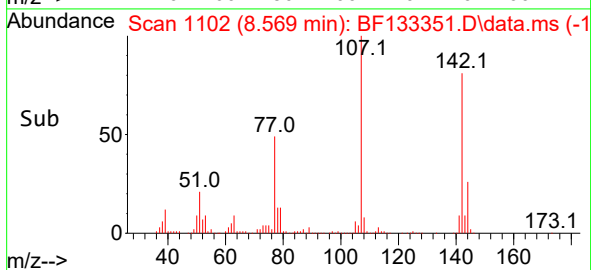
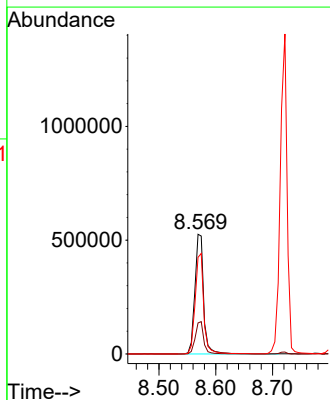
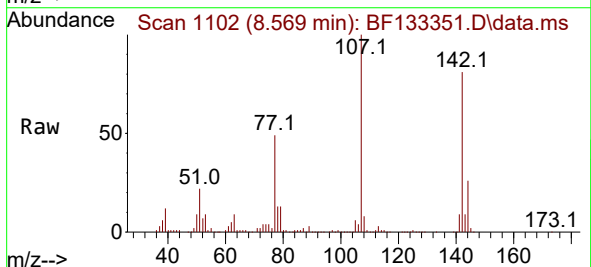
Manual Integrations  
APPROVED

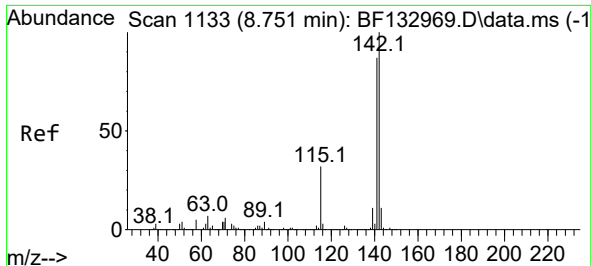
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#36  
4-Chloro-3-methylphenol  
Concen: 42.445 ng  
RT: 8.569 min Scan# 1102  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:107 Resp: 567082  
Ion Ratio Lower Upper  
107 100  
144 26.0 20.6 30.8  
142 80.7 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 39.484 ng  
RT: 8.722 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

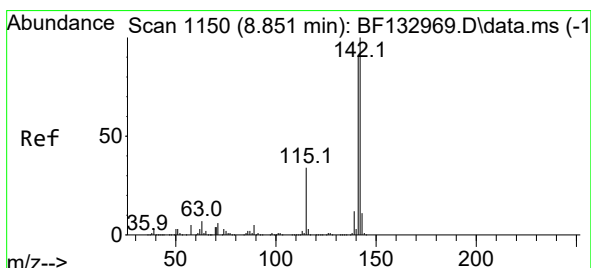
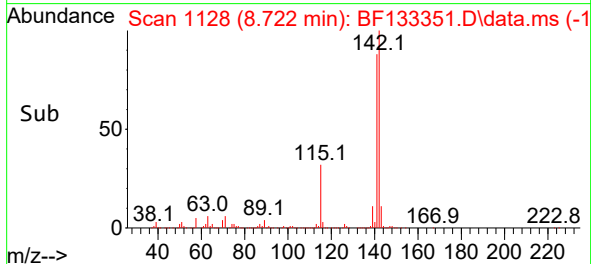
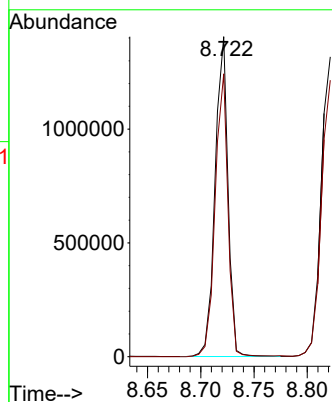
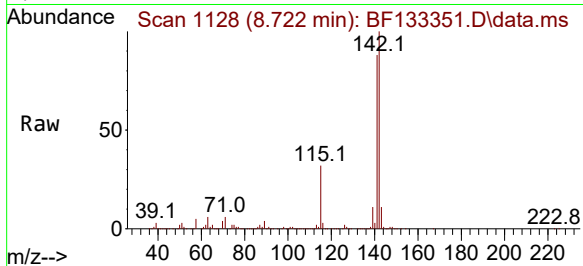
ClientSampleId :

PB152690BS

Tgt Ion:142 Resp: 1182984  
Ion Ratio Lower Upper  
142 100  
141 88.4 69.4 104.0

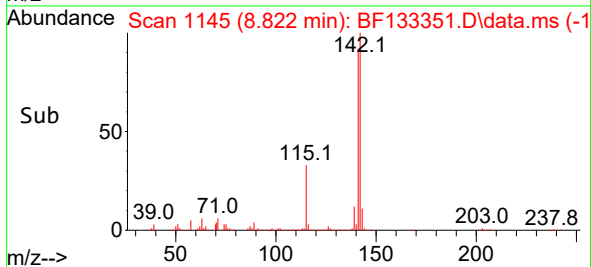
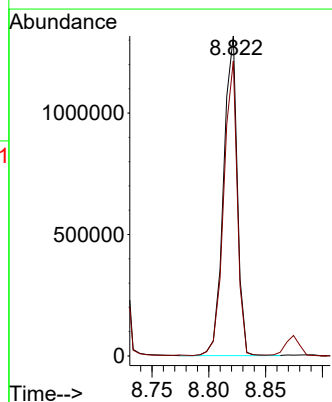
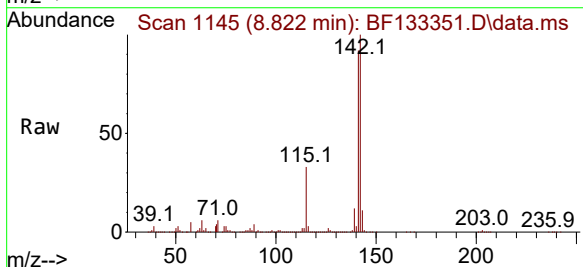
Manual Integrations  
APPROVED

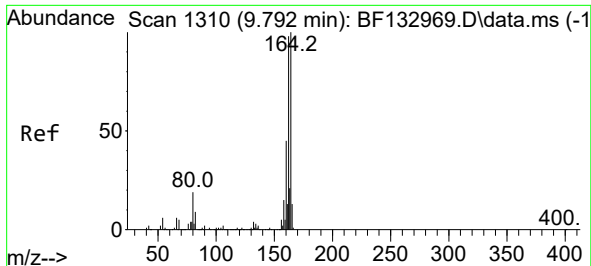
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#38  
1-Methylnaphthalene  
Concen: 39.740 ng  
RT: 8.822 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:142 Resp: 1113839  
Ion Ratio Lower Upper  
142 100  
141 92.2 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF133351.D

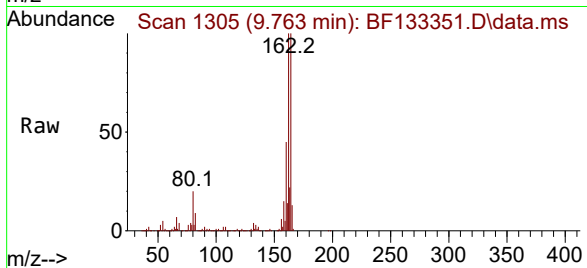
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion:164 Resp: 449858

Ion Ratio Lower Upper

164 100

162 100.3 78.7 118.1

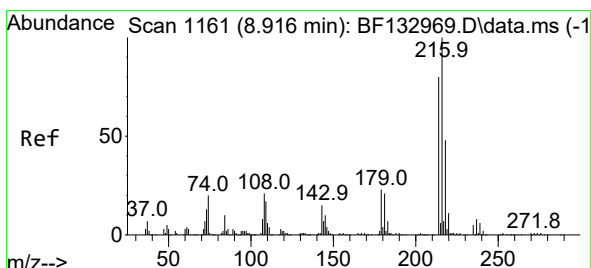
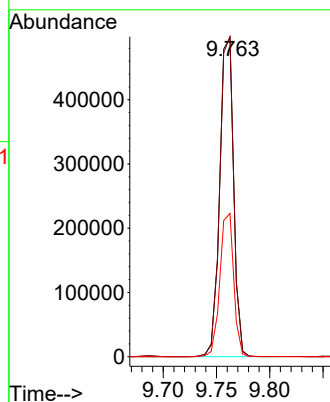
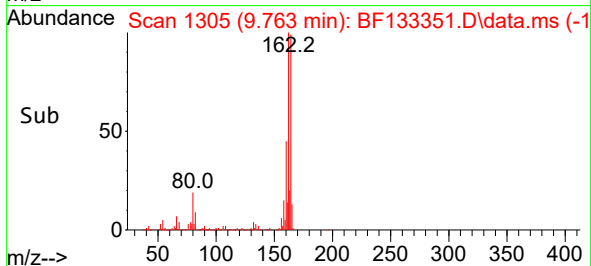
160 44.9 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.784 ng

RT: 8.892 min Scan# 1157

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Tgt Ion:216 Resp: 493295

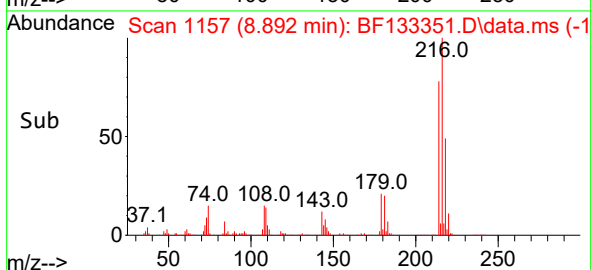
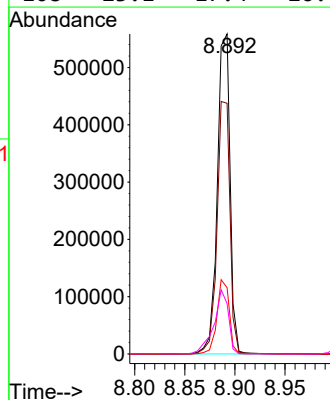
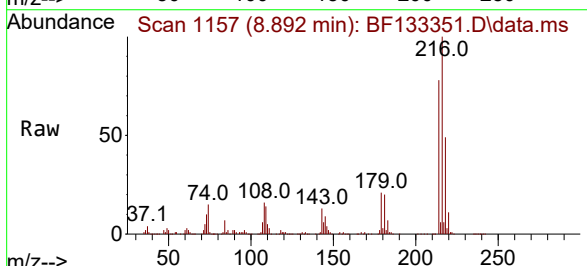
Ion Ratio Lower Upper

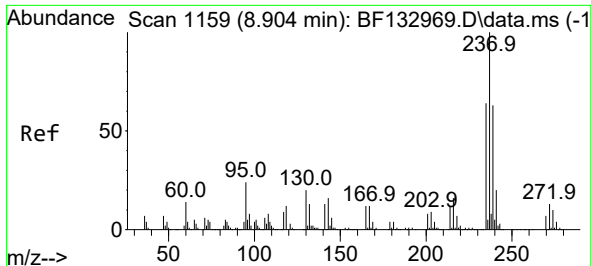
216 100

214 79.8 63.5 95.3

179 22.4 17.4 26.2

108 23.1 17.4 26.0





#41  
Hexachlorocyclopentadiene  
Concen: 82.911 ng  
RT: 8.875 min Scan# 1154  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

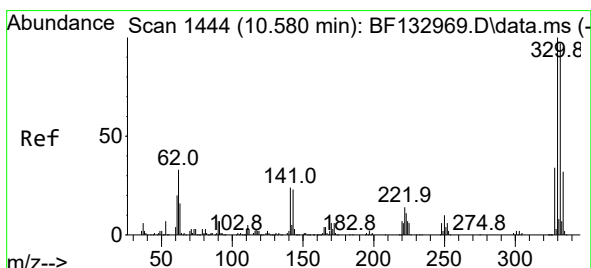
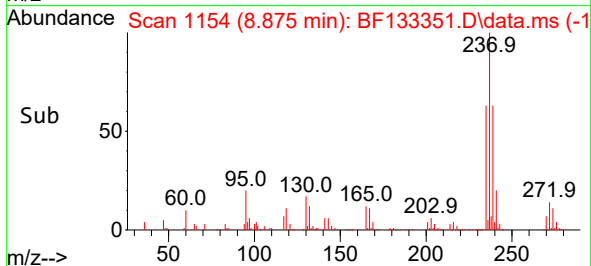
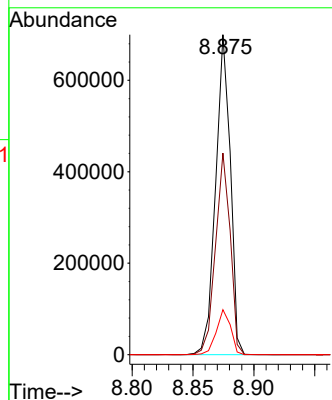
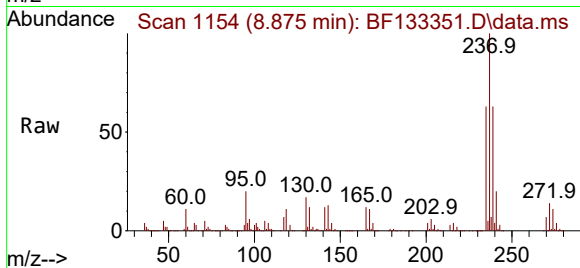
PB152690BS

Tgt Ion:237 Resp: 584862  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.5 83.5  
272 14.1 0.0 32.7

Manual Integrations

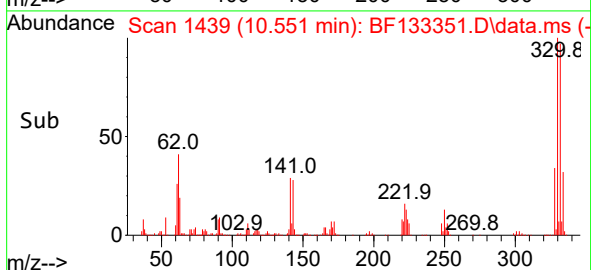
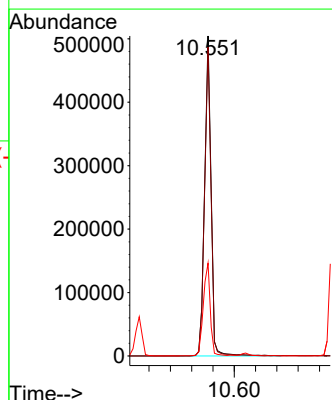
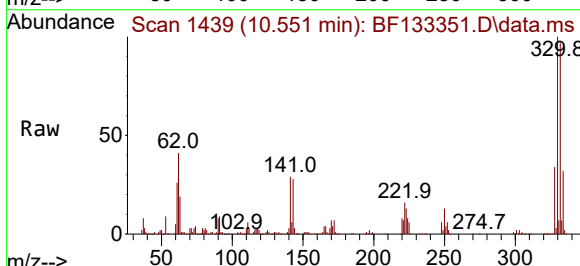
APPROVED

Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

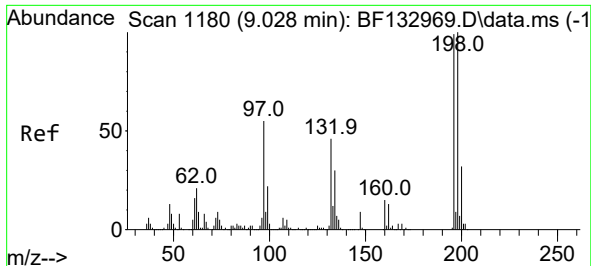


#42  
2,4,6-Tribromophenol  
Concen: 93.858 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:330 Resp: 424631  
Ion Ratio Lower Upper  
330 100  
332 96.9 77.1 115.7  
141 31.3 25.8 38.8







#43  
2,4,6-Trichlorophenol  
Concen: 40.895 ng  
RT: 9.004 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

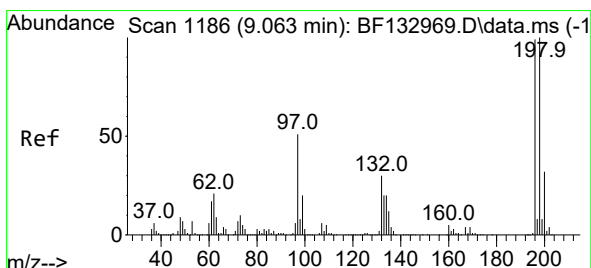
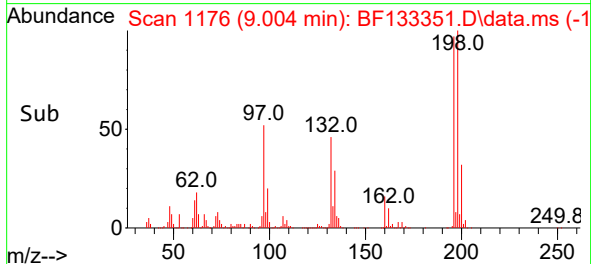
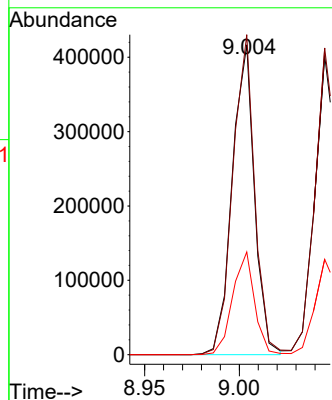
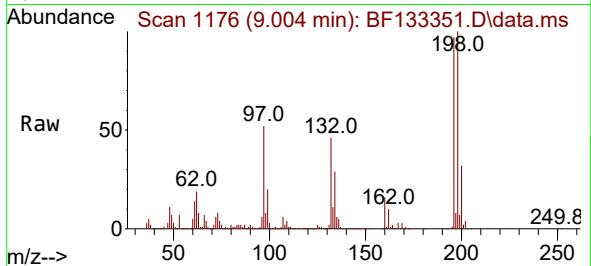
ClientSampleId :

PB152690BS

Tgt Ion:196 Resp: 342083  
Ion Ratio Lower Upper  
196 100  
198 103.3 81.0 121.6  
200 33.1 26.1 39.1

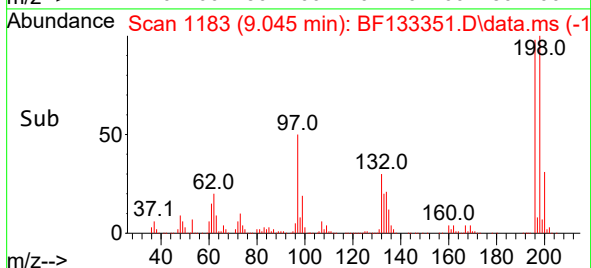
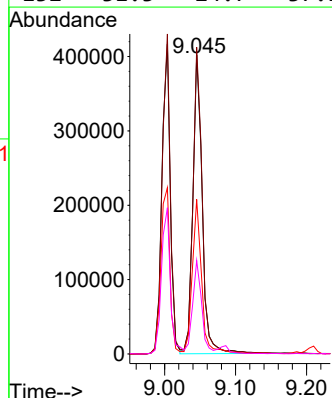
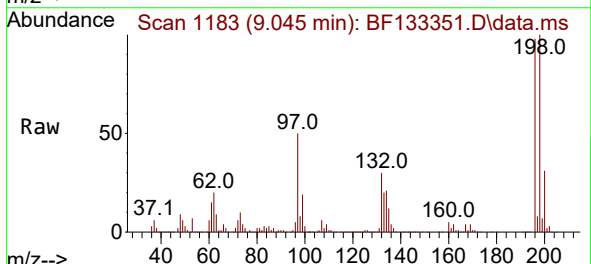
Manual Integrations  
APPROVED

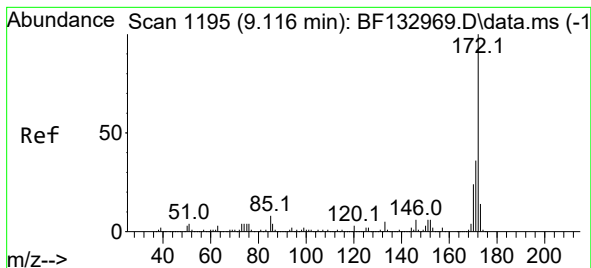
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#44  
2,4,5-Trichlorophenol  
Concen: 38.454 ng  
RT: 9.045 min Scan# 1183  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:196 Resp: 372005  
Ion Ratio Lower Upper  
196 100  
198 102.6 80.9 121.3  
97 51.7 41.3 61.9  
132 31.3 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 67.793 ng

RT: 9.086 min Scan# 1195

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion:172 Resp: 1822894

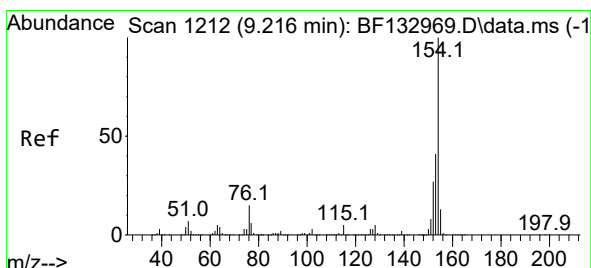
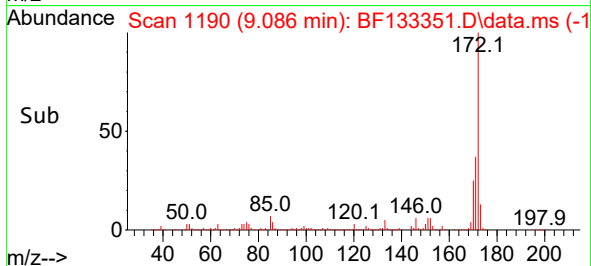
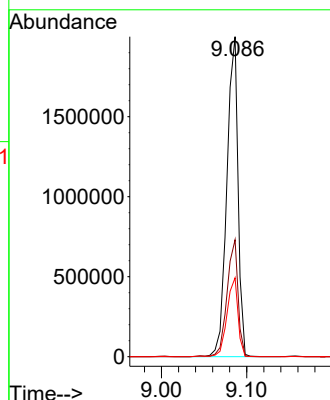
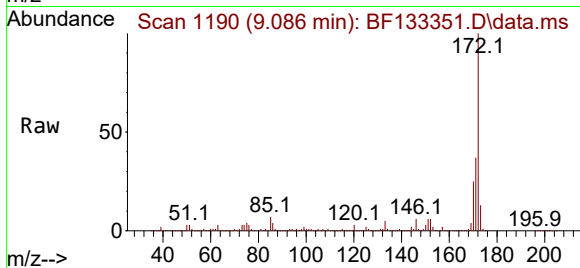
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.5  | 28.8  | 43.2  |
| 170 | 24.6  | 19.4  | 29.2  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#46

1,1'-Biphenyl

Concen: 40.853 ng

RT: 9.186 min Scan# 1207

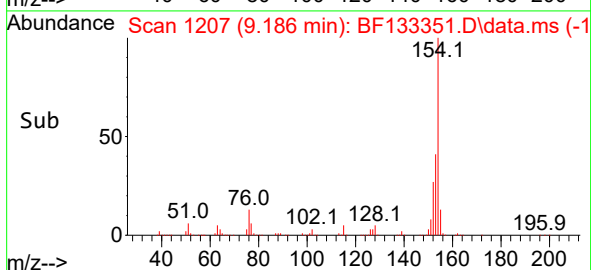
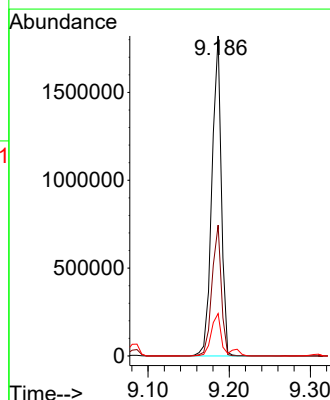
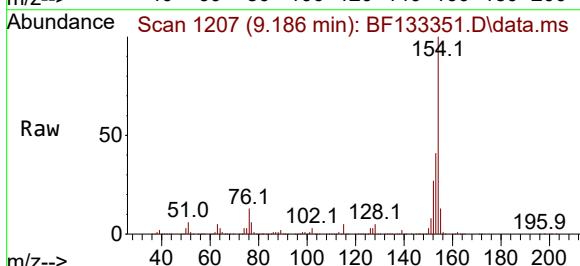
Delta R.T. -0.000 min

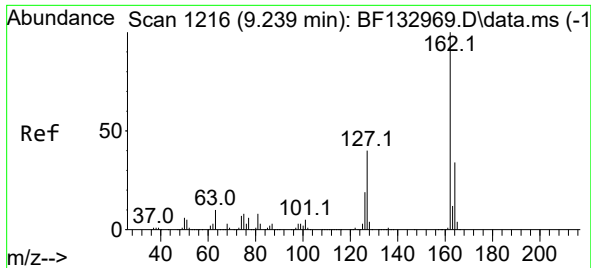
Lab File: BF133351.D

Acq: 11 May 2023 12:48

Tgt Ion:154 Resp: 1457305

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 40.9  | 21.0  | 61.0  |
| 76  | 13.3  | 0.0   | 34.5  |





#47  
2-Chloronaphthalene  
Concen: 42.334 ng  
RT: 9.210 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

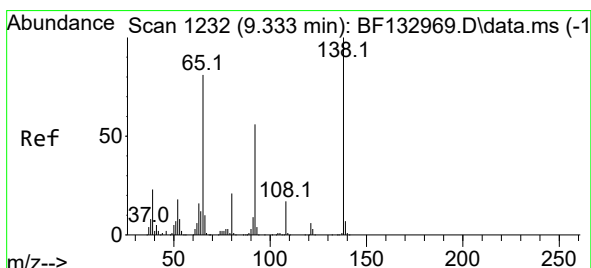
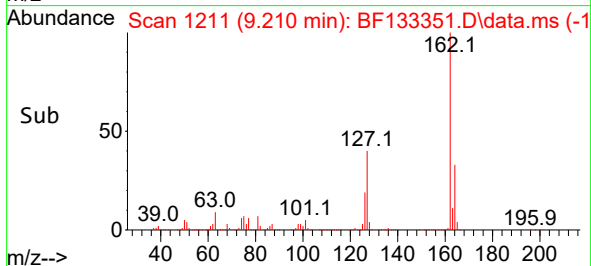
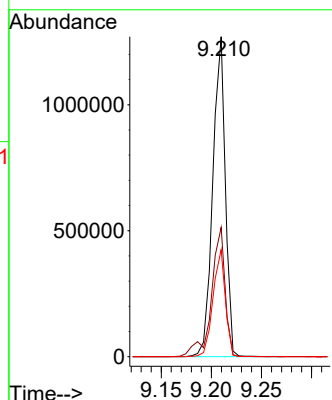
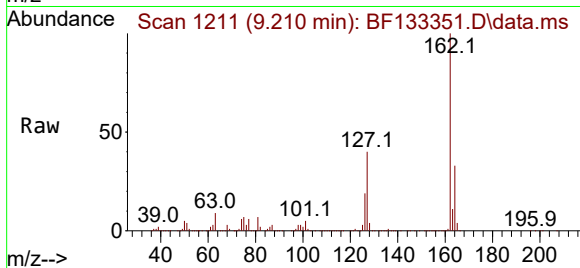
PB152690BS

Tgt Ion:162 Resp: 110532  
Ion Ratio Lower Upper  
162 100  
127 40.4 32.3 48.5  
164 33.5 26.8 40.2

Manual Integrations

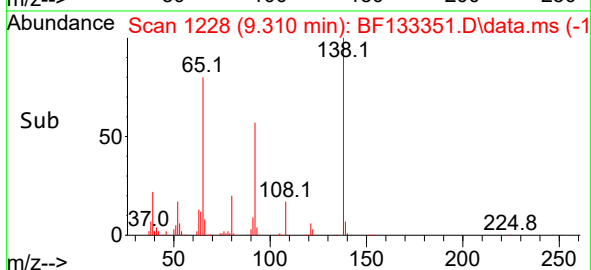
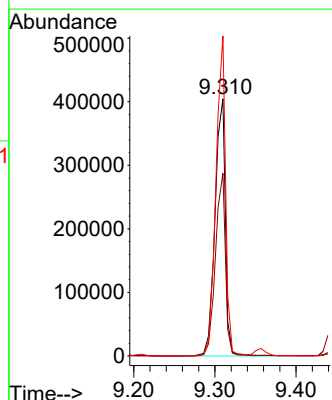
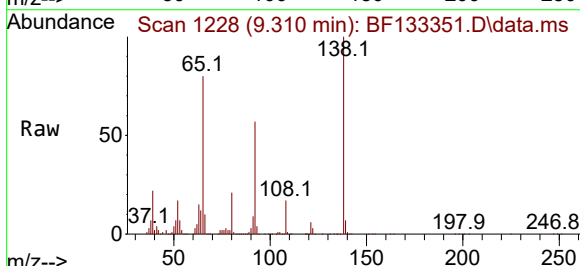
APPROVED

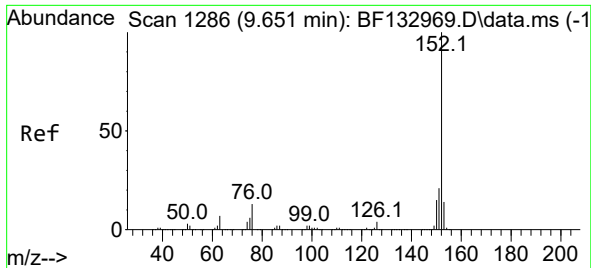
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#48  
2-Nitroaniline  
Concen: 41.474 ng  
RT: 9.310 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion: 65 Resp: 357879  
Ion Ratio Lower Upper  
65 100  
92 71.1 55.4 83.0  
138 124.5 98.2 147.2





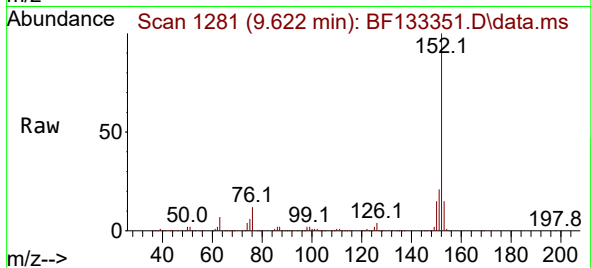
#49  
Acenaphthylene  
Concen: 40.500 ng  
RT: 9.622 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

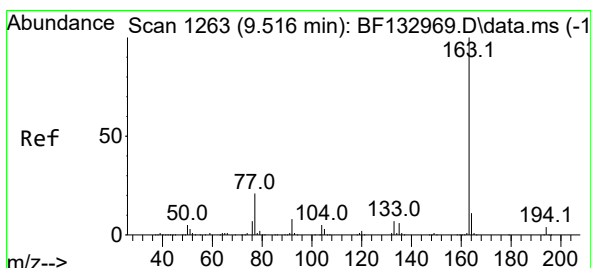
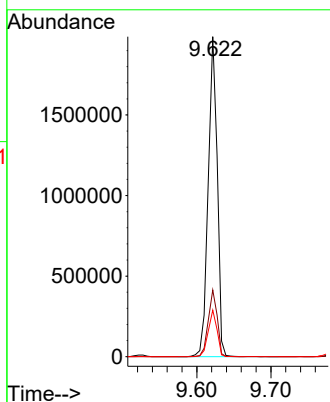
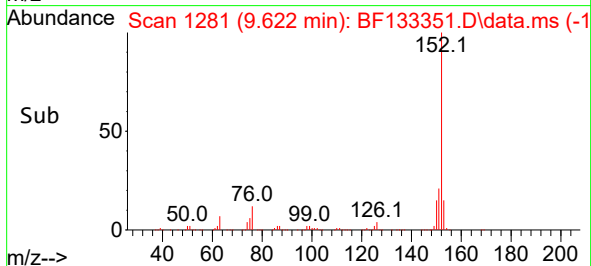


Tgt Ion:152 Resp: 168962  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.6 24.8  
153 14.6 11.5 17.3

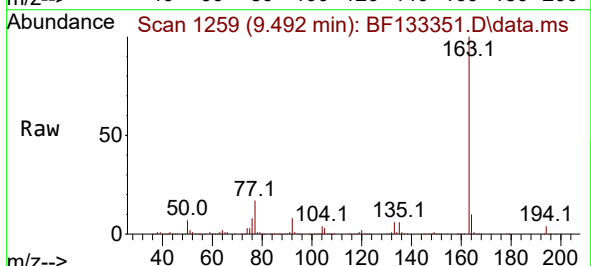
Manual Integrations

APPROVED

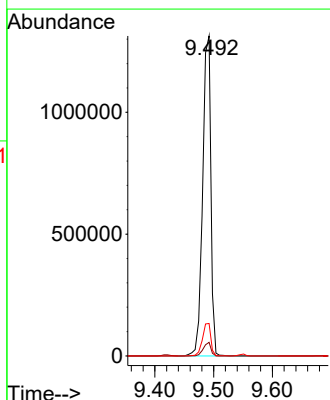
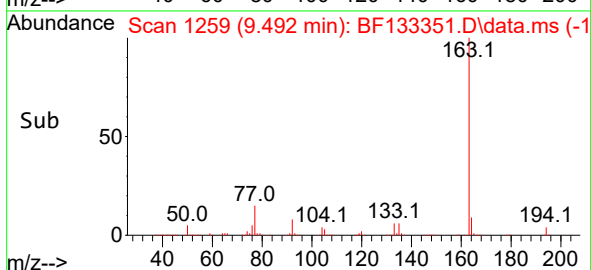
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

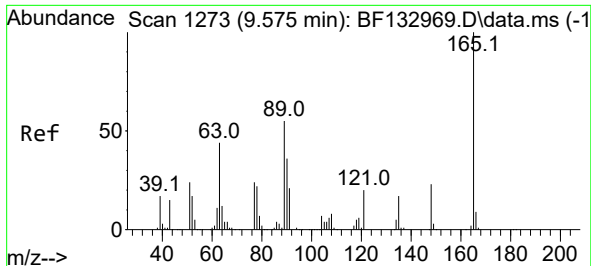


#50  
Dimethylphthalate  
Concen: 40.546 ng  
RT: 9.492 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



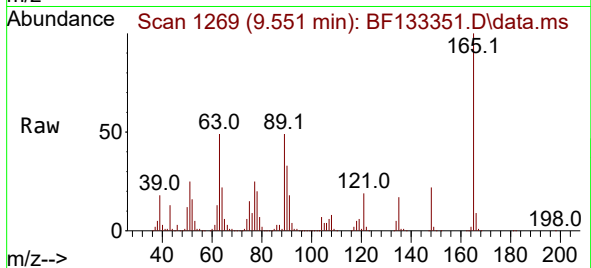
Tgt Ion:163 Resp: 1271849  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.1 4.7  
164 10.2 8.5 12.7





#51  
2,6-Dinitrotoluene  
Concen: 41.617 ng  
RT: 9.551 min Scan# 1269  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

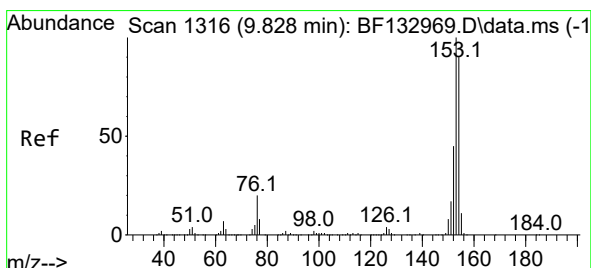
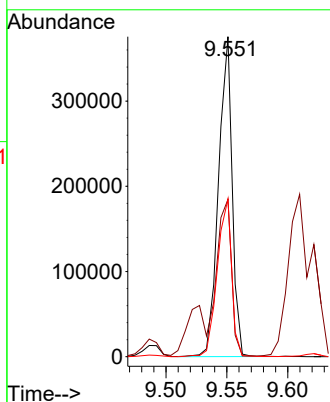
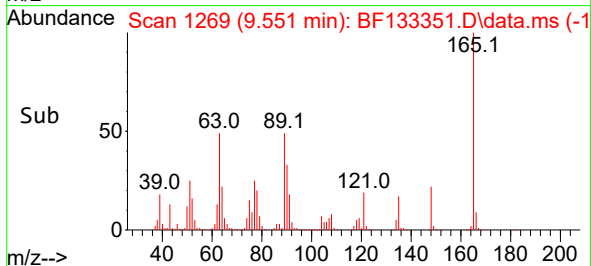
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:165 Resp: 293818  
Ion Ratio Lower Upper  
165 100  
63 49.2 45.9 68.9  
89 49.3 44.0 66.0

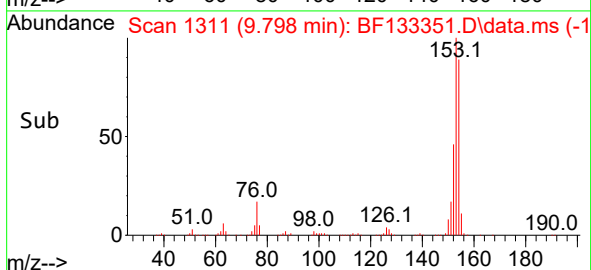
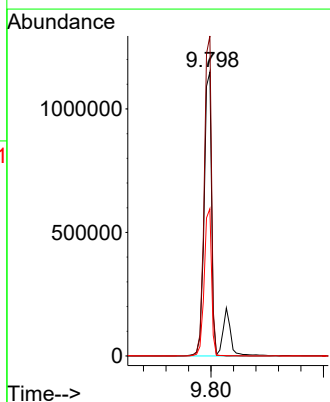
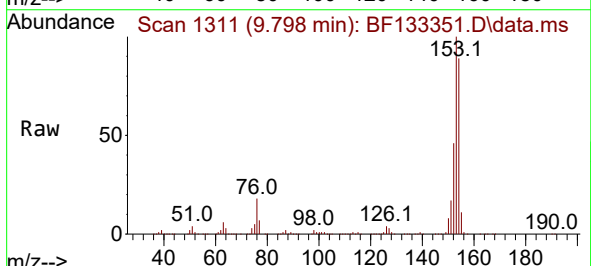
Manual Integrations  
APPROVED

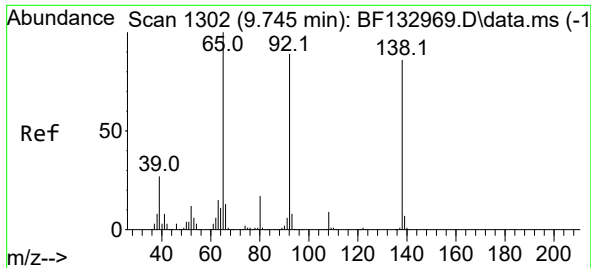
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#52  
Acenaphthene  
Concen: 43.829 ng m  
RT: 9.798 min Scan# 1311  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:154 Resp: 1224631  
Ion Ratio Lower Upper  
154 100  
153 112.7 89.0 133.6  
152 51.9 40.4 60.6





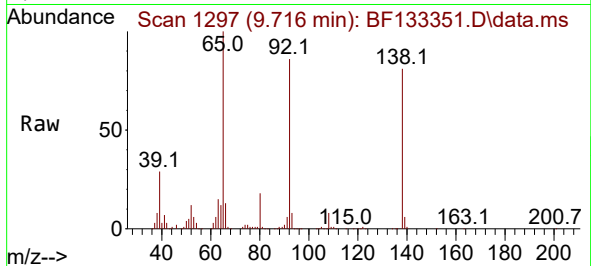
#53  
3-Nitroaniline  
Concen: 32.538 ng  
RT: 9.716 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

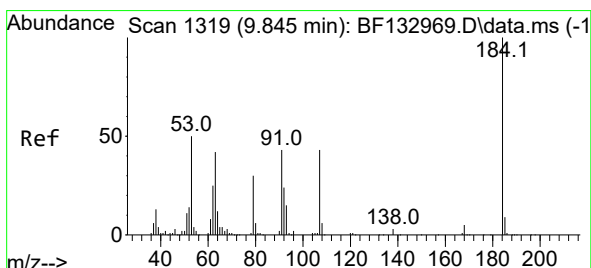
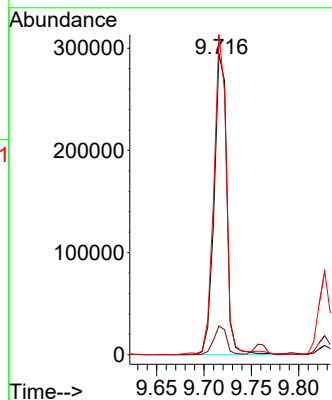
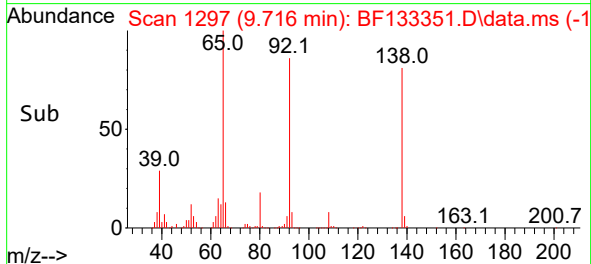


Tgt Ion:138 Resp: 273144  
Ion Ratio Lower Upper  
138 100  
108 9.5 8.0 12.0  
92 106.5 83.6 125.4

Manual Integrations

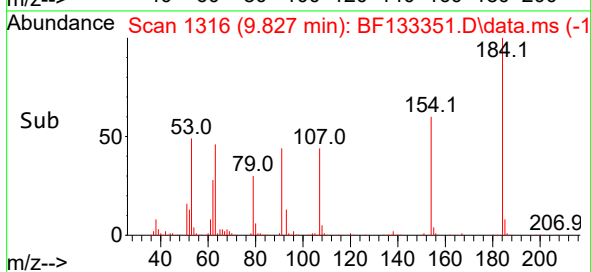
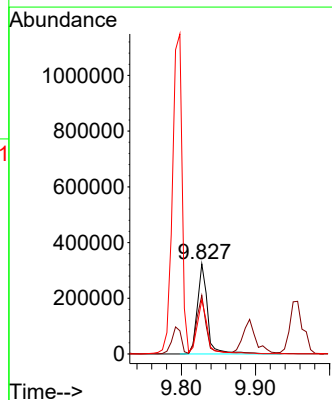
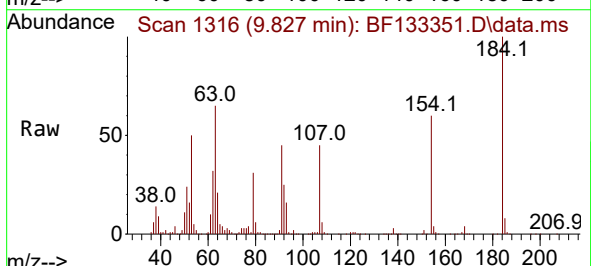
APPROVED

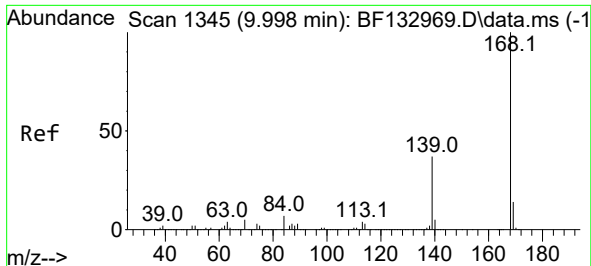
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#54  
2,4-Dinitrophenol  
Concen: 86.884 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:184 Resp: 308329  
Ion Ratio Lower Upper  
184 100  
63 65.1 49.8 74.8  
154 60.2 49.5 74.3





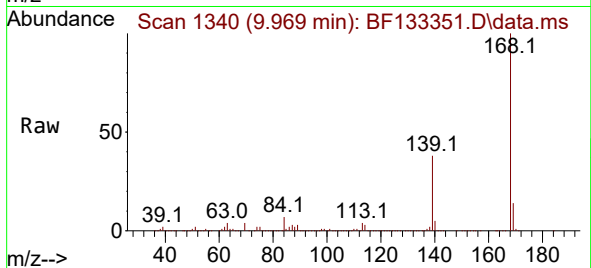
#55  
Dibenzenofuran  
Concen: 39.159 ng  
RT: 9.969 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

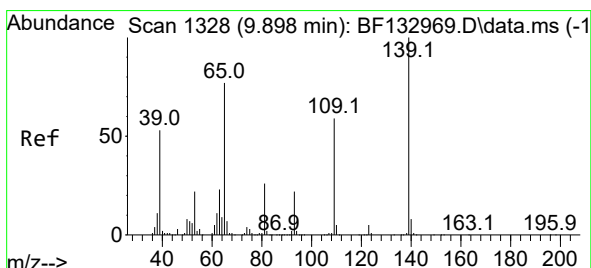
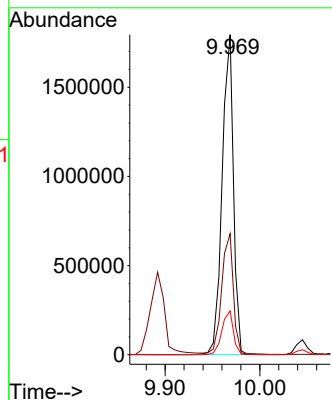
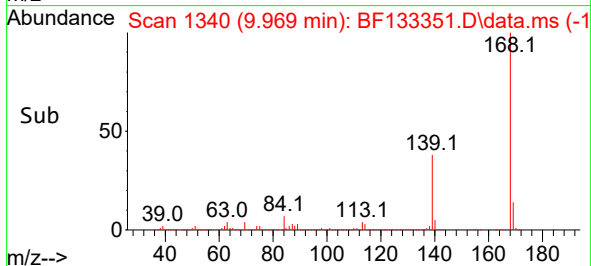


Tgt Ion:168 Resp: 149254  
Ion Ratio Lower Upper  
168 100  
139 37.8 29.8 44.8  
169 13.7 10.8 16.2

Manual Integrations

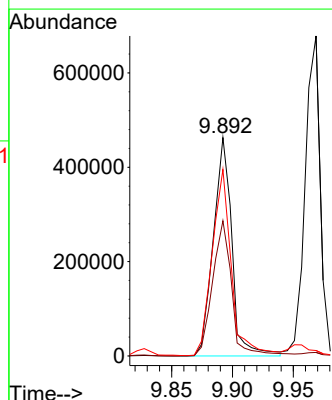
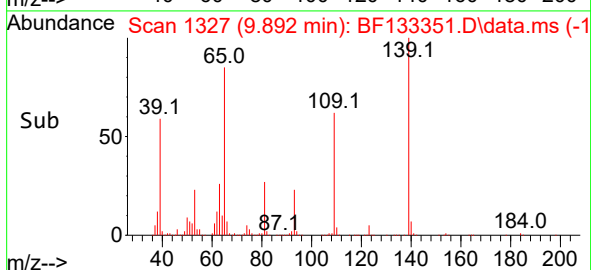
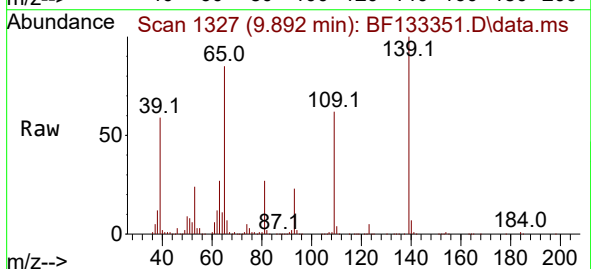
APPROVED

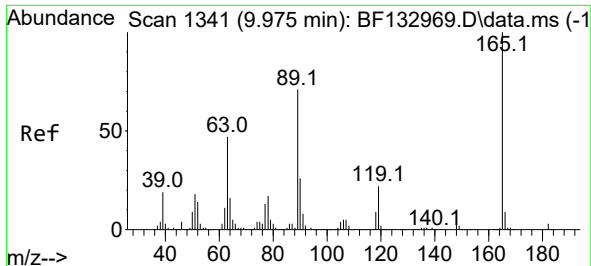
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#56  
4-Nitrophenol  
Concen: 75.333 ng  
RT: 9.892 min Scan# 1327  
Delta R.T. 0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:139 Resp: 489793  
Ion Ratio Lower Upper  
139 100  
109 61.9 39.4 79.4  
65 85.4 57.5 97.5





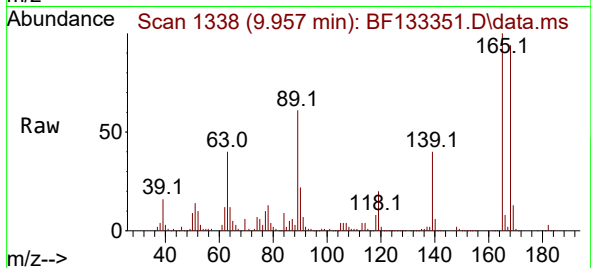
#57  
2,4-Dinitrotoluene  
Concen: 42.988 ng  
RT: 9.957 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

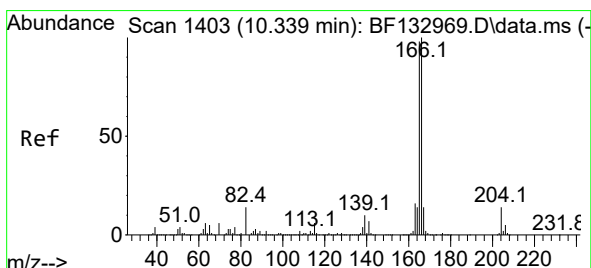
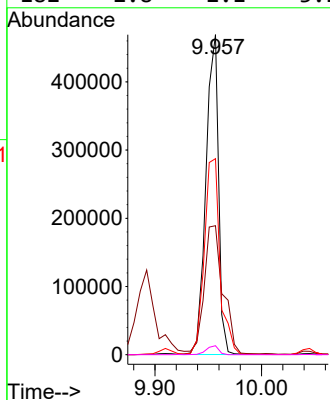
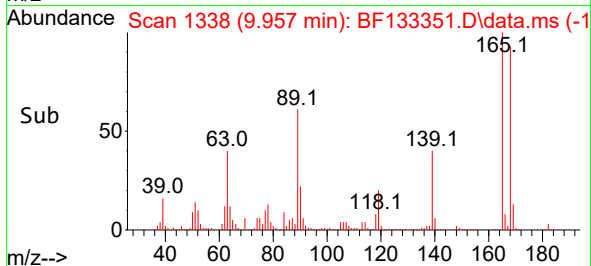


Tgt Ion:165 Resp: 38704  
Ion Ratio Lower Upper  
165 100  
63 40.3 37.7 56.5  
89 61.2 57.0 85.4  
182 2.8 2.1 3.1

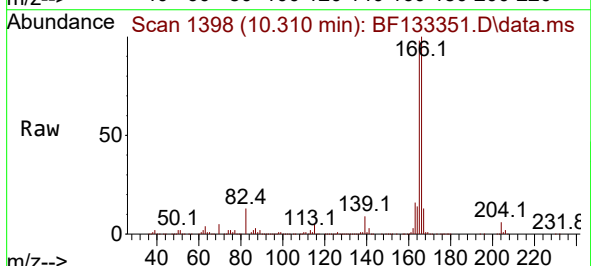
Manual Integrations

APPROVED

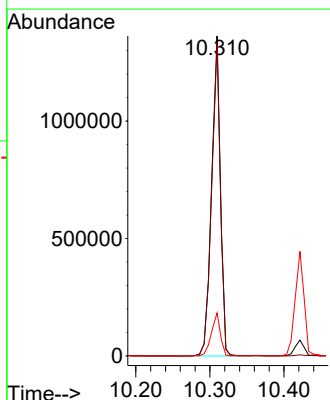
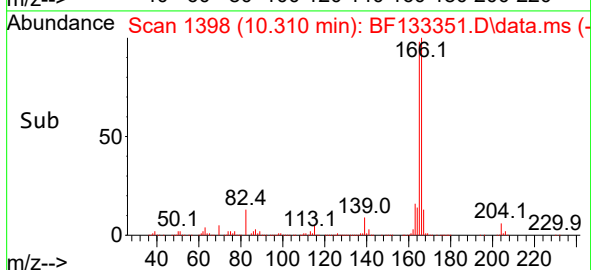
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



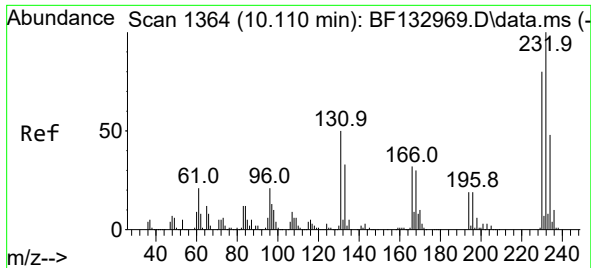
#58  
Fluorene  
Concen: 40.361 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:166 Resp: 1127053  
Ion Ratio Lower Upper  
166 100  
165 97.8 78.6 117.8  
167 13.5 11.0 16.4

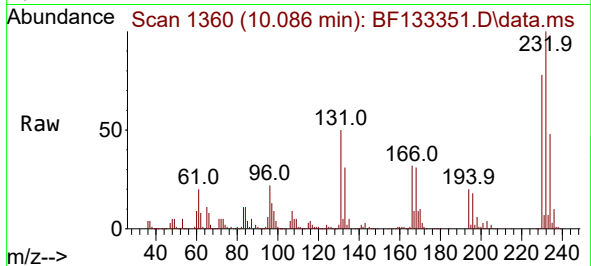






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.773 ng  
RT: 10.086 min Scan# 1360  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

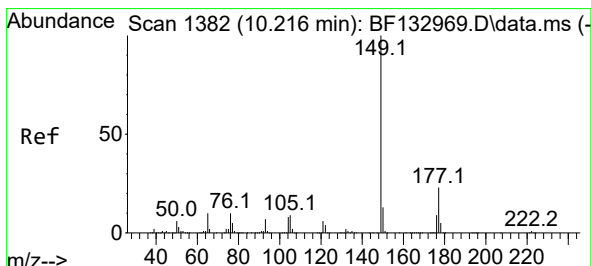
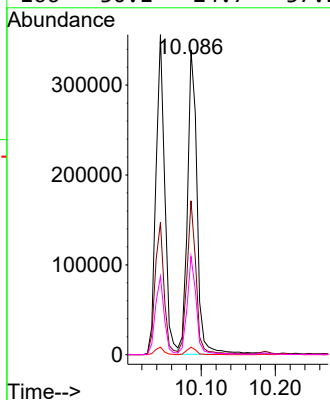
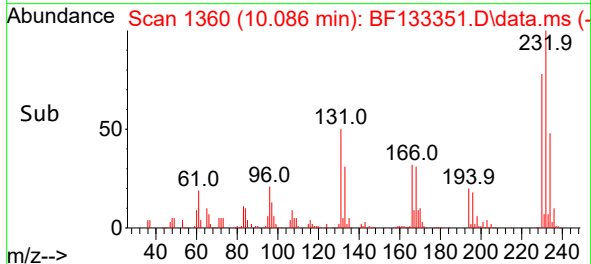
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



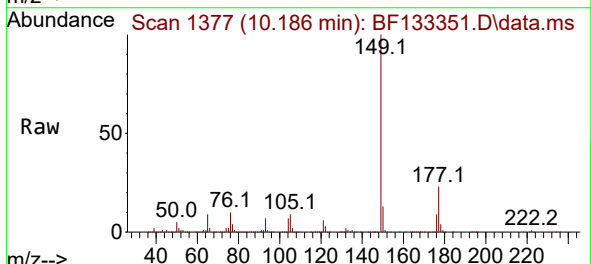
Tgt Ion:232 Resp: 305799  
Ion Ratio Lower Upper  
232 100  
131 47.6 38.0 57.0  
130 2.4 1.8 2.8  
166 30.1 24.7 37.1

Manual Integrations  
APPROVED

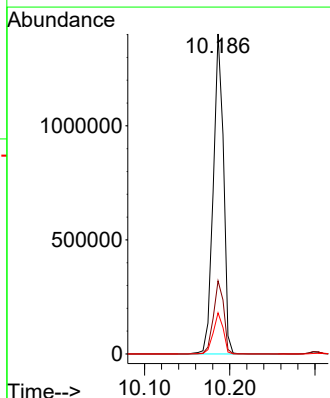
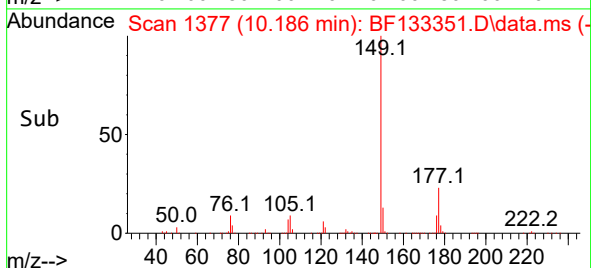
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

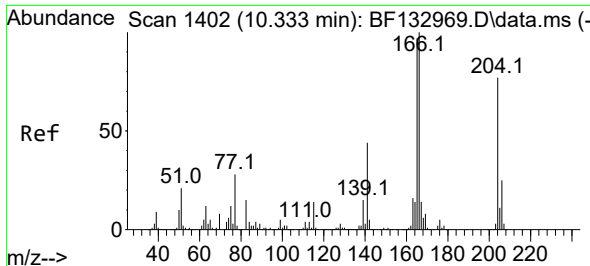


#60  
Diethylphthalate  
Concen: 39.577 ng  
RT: 10.186 min Scan# 1377  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:149 Resp: 1172625  
Ion Ratio Lower Upper  
149 100  
177 22.9 18.2 27.4  
150 12.8 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 38.753 ng  
RT: 10.298 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

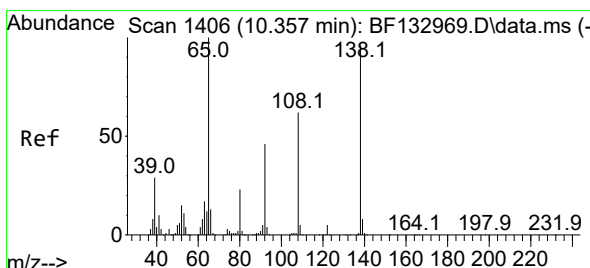
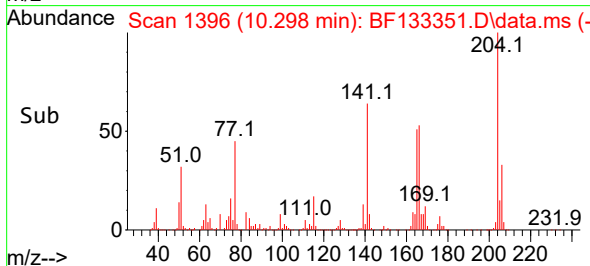
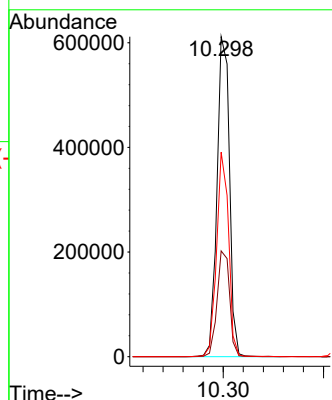
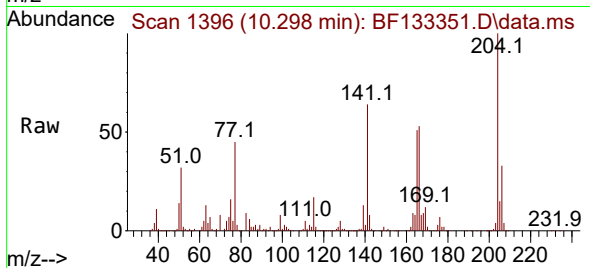
PB152690BS

Tgt Ion:204 Resp: 52734  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.1 39.1  
141 63.9 46.1 69.1

Manual Integrations

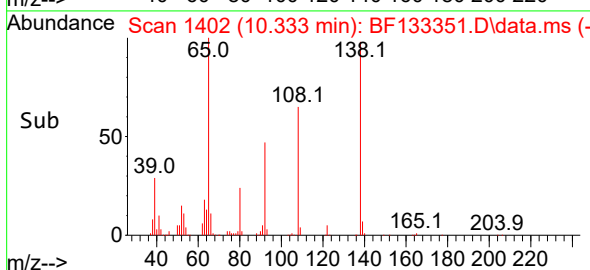
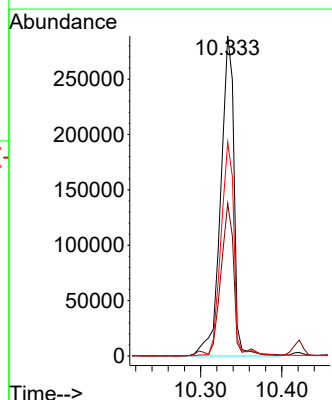
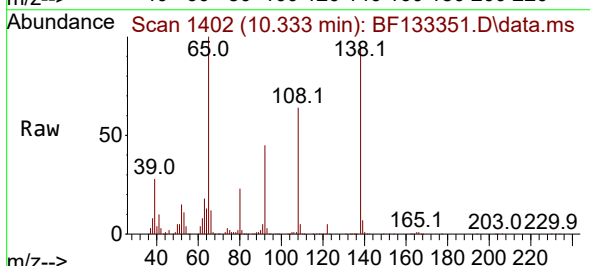
APPROVED

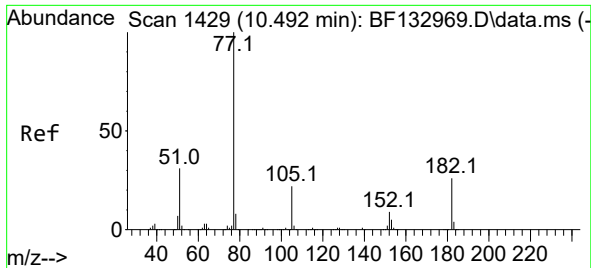
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#62  
4-Nitroaniline  
Concen: 42.989 ng  
RT: 10.333 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:138 Resp: 331682  
Ion Ratio Lower Upper  
138 100  
92 47.6 27.7 67.7  
108 66.8 45.2 85.2





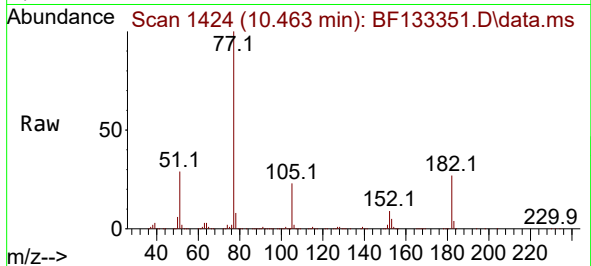
#63  
Azobenzene  
Concen: 38.468 ng  
RT: 10.463 min Scan# 1424  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

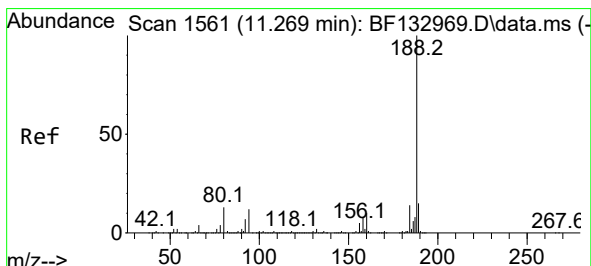
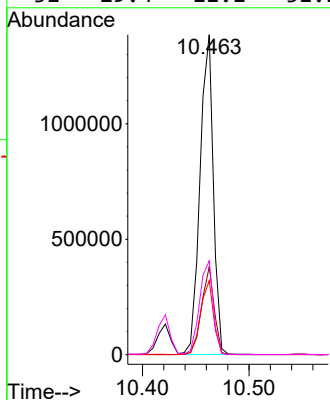
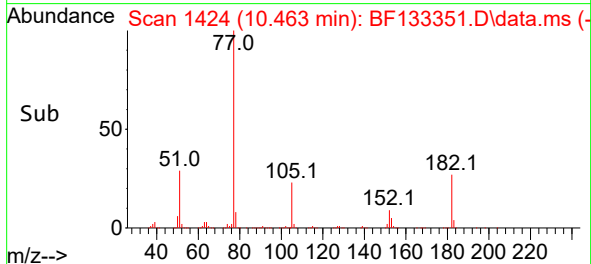


Tgt Ion: 77 Resp: 1207380  
Ion Ratio Lower Upper  
77 100  
182 27.4 5.9 45.9  
105 23.1 2.3 42.3  
51 29.4 11.1 51.1

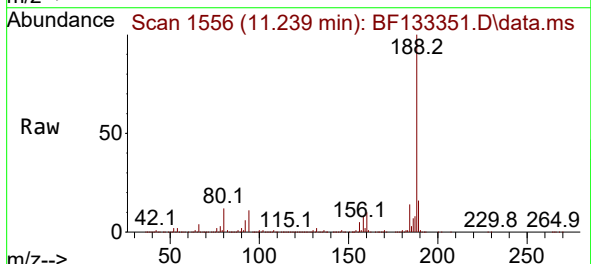
Manual Integrations

APPROVED

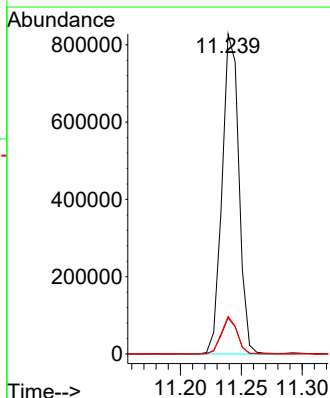
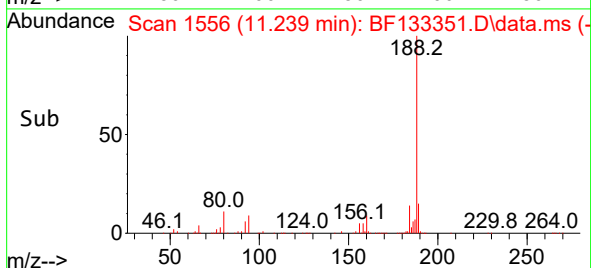
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

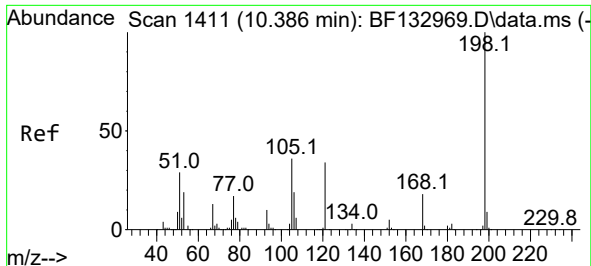


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.239 min Scan# 1556  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:188 Resp: 796804  
Ion Ratio Lower Upper  
188 100  
94 11.2 9.7 14.5  
80 11.7 10.4 15.6





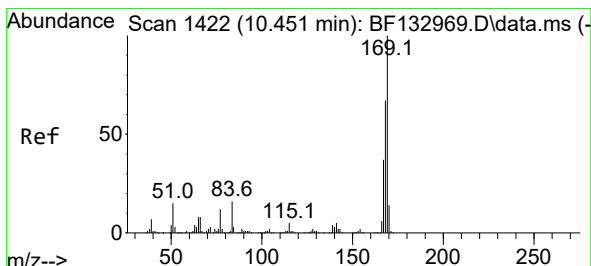
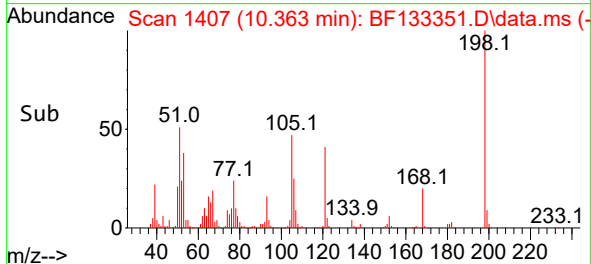
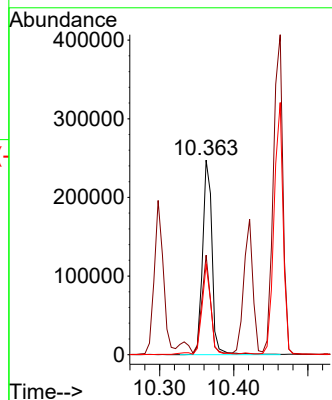
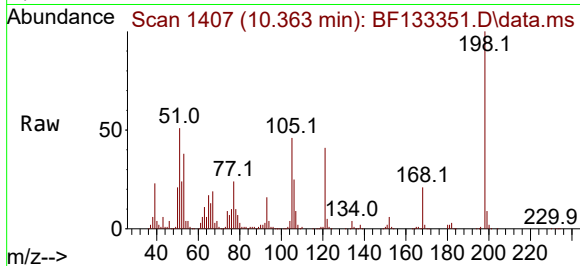
#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.138 ng  
RT: 10.363 min Scan# 1410  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS

Tgt Ion:198 Resp: 218000  
Ion Ratio Lower Upper  
198 100  
51 51.1 15.5 55.5  
105 46.5 16.7 56.7

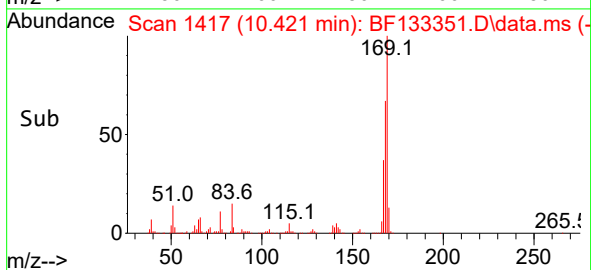
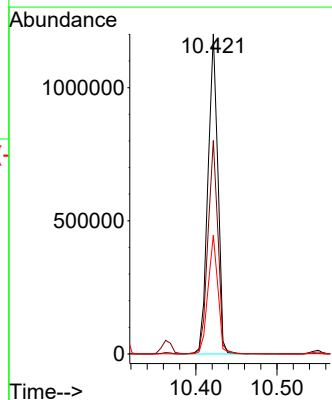
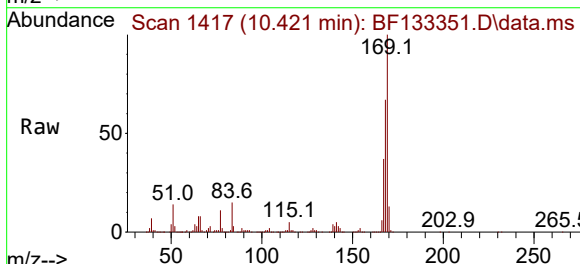
Manual Integrations  
APPROVED

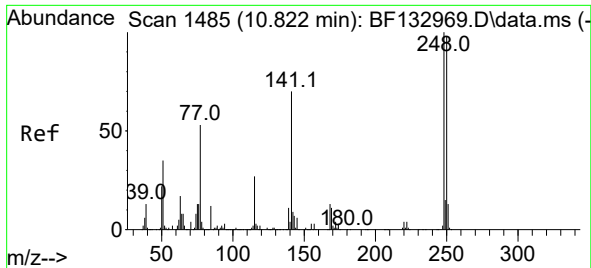
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#66  
n-Nitrosodiphenylamine  
Concen: 39.205 ng  
RT: 10.421 min Scan# 1417  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:169 Resp: 1013299  
Ion Ratio Lower Upper  
169 100  
168 66.7 53.8 80.8  
167 37.1 29.7 44.5





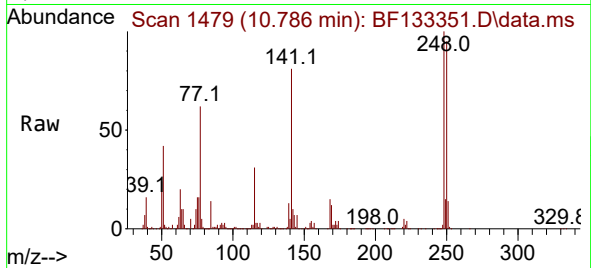
#67  
4-Bromophenyl-phenylether  
Concen: 39.345 ng  
RT: 10.786 min Scan# 1485  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

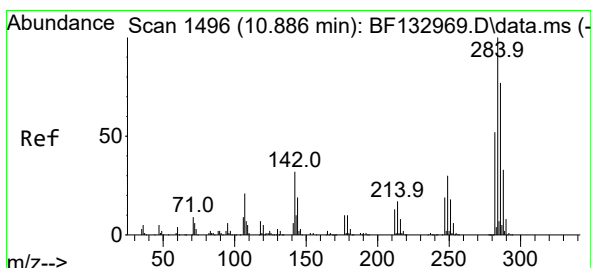
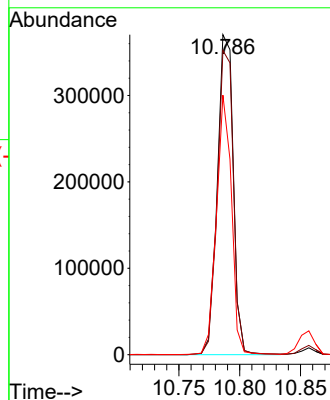
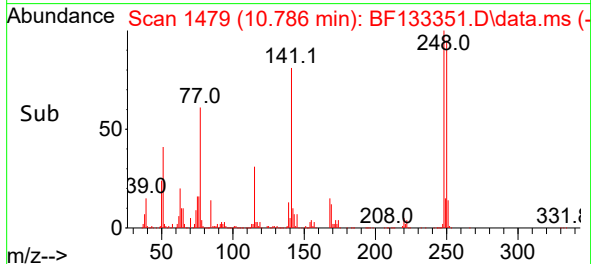


Tgt Ion:248 Resp: 34001  
Ion Ratio Lower Upper  
248 100  
250 95.1 78.7 118.1  
141 81.1 56.3 84.5

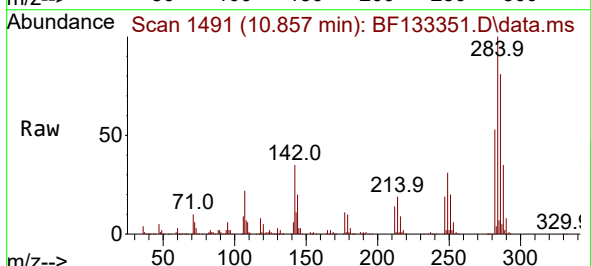
Manual Integrations

APPROVED

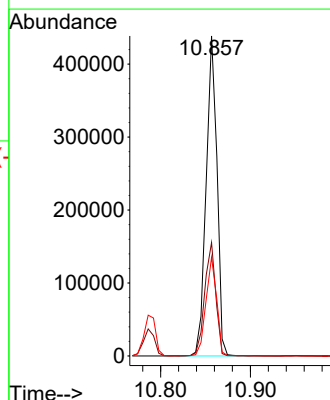
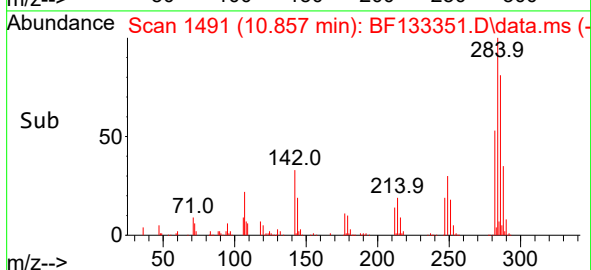
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

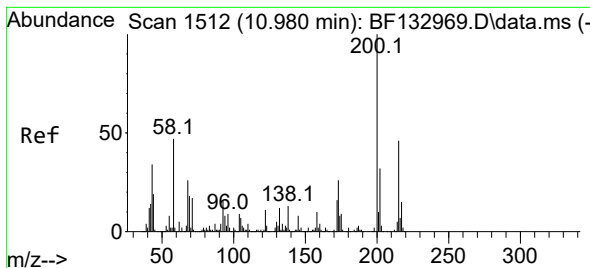


#68  
Hexachlorobenzene  
Concen: 41.498 ng  
RT: 10.857 min Scan# 1491  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:284 Resp: 367472  
Ion Ratio Lower Upper  
284 100  
142 35.5 26.0 39.0  
249 30.8 23.7 35.5





#69

Atrazine

Concen: 46.166 ng

RT: 10.951 min Scan# 1507

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion:200 Resp: 343818

Ion Ratio Lower Upper

200 100

173 27.4 6.2 46.2

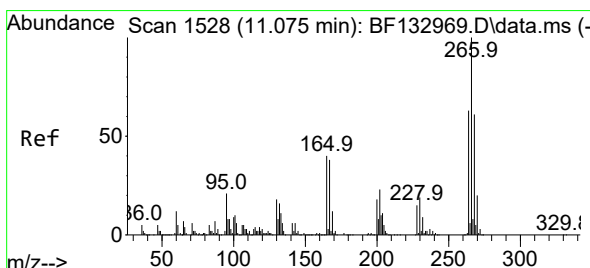
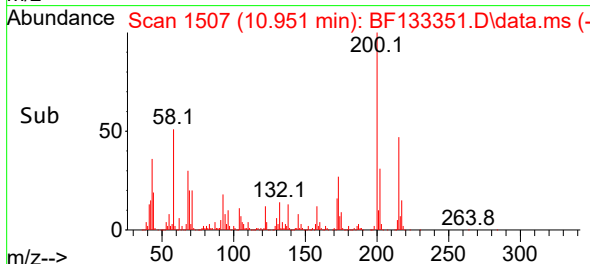
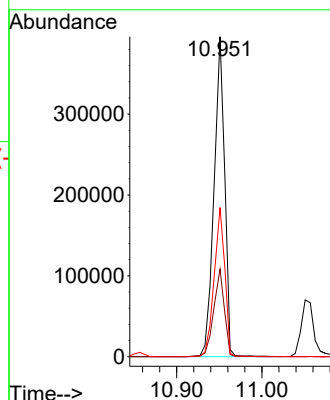
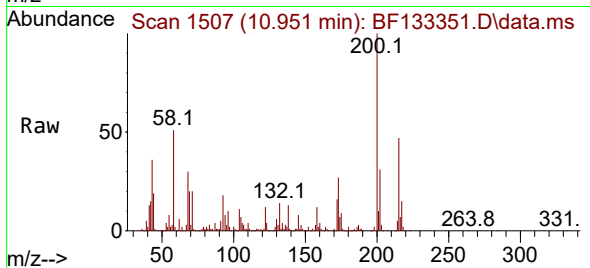
215 46.6 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#70

Pentachlorophenol

Concen: 68.082 ng

RT: 11.057 min Scan# 1525

Delta R.T. 0.006 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

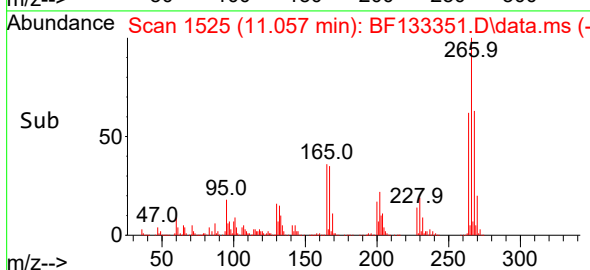
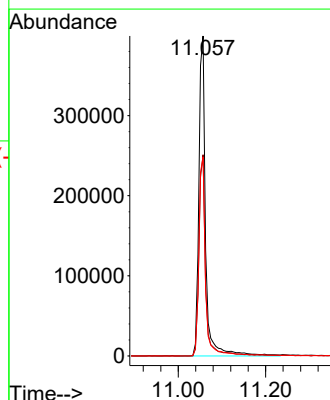
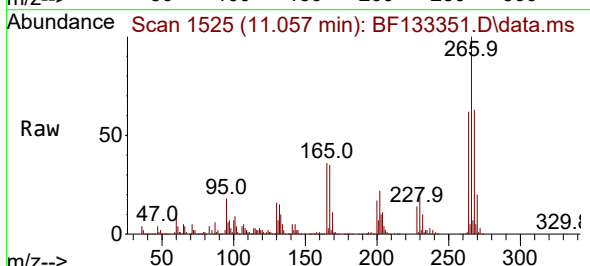
Tgt Ion:266 Resp: 429362

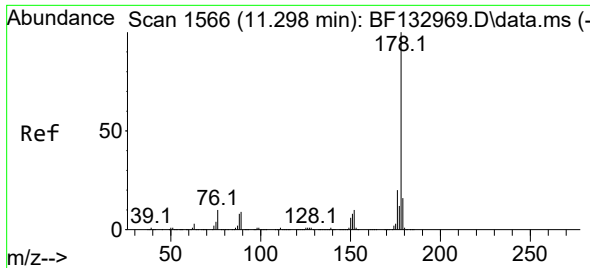
Ion Ratio Lower Upper

266 100

268 62.9 48.8 73.2

264 62.2 50.6 76.0





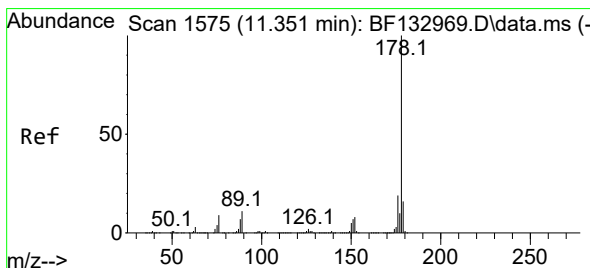
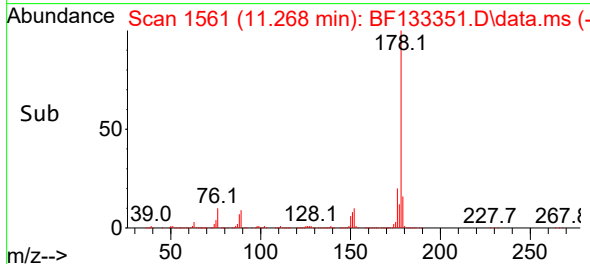
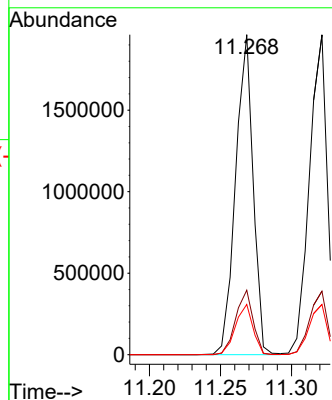
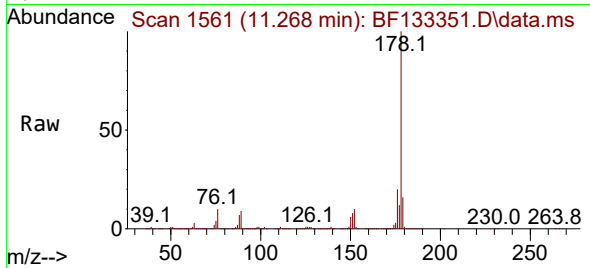
#71  
Phenanthrene  
Concen: 39.436 ng  
RT: 11.268 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS

Tgt Ion:178 Resp: 168888  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.9 23.9  
179 15.7 12.5 18.7

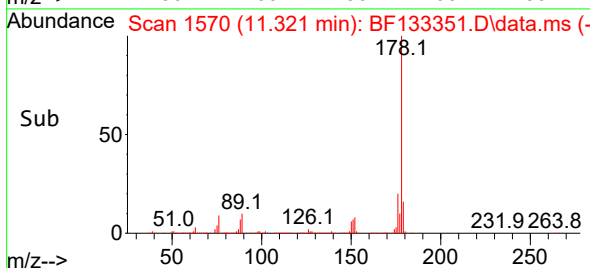
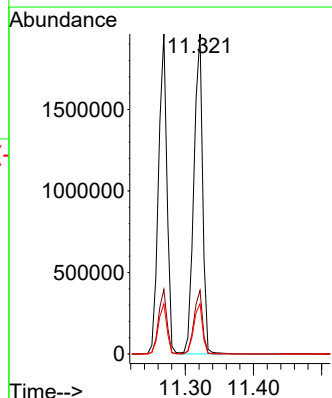
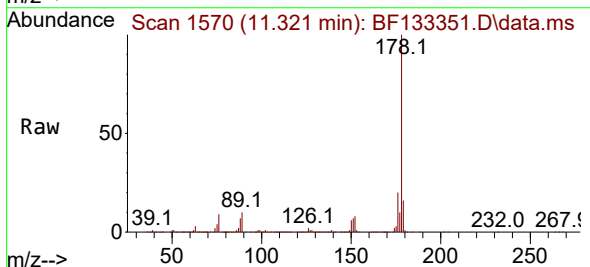
Manual Integrations  
APPROVED

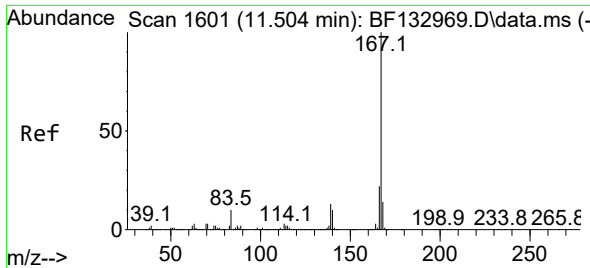
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#72  
Anthracene  
Concen: 39.582 ng  
RT: 11.321 min Scan# 1570  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:178 Resp: 1734788  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.4 23.0  
179 15.7 12.4 18.6





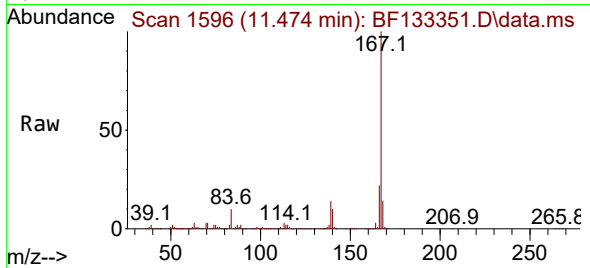
#73  
Carbazole  
Concen: 41.532 ng  
RT: 11.474 min Scan# 1150  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

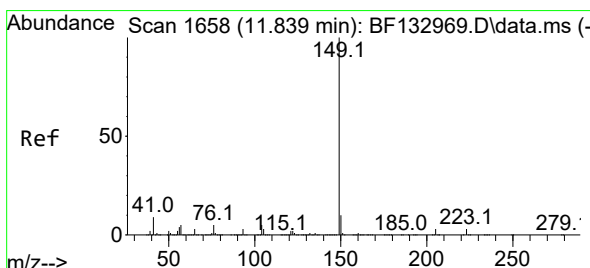
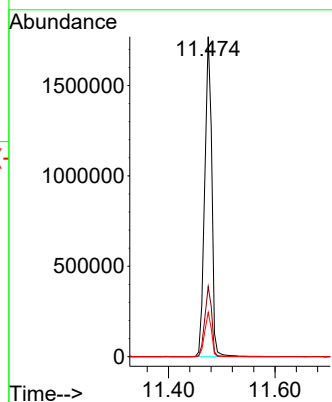
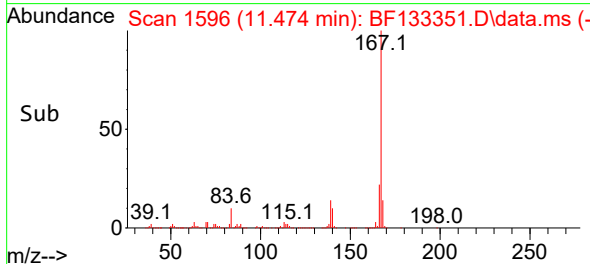


Tgt Ion:167 Resp: 1620804  
Ion Ratio Lower Upper  
167 100  
166 21.9 17.4 26.0  
139 13.9 10.6 16.0

Manual Integrations

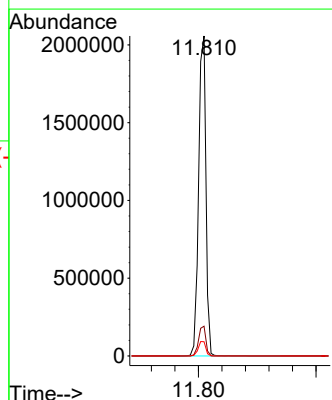
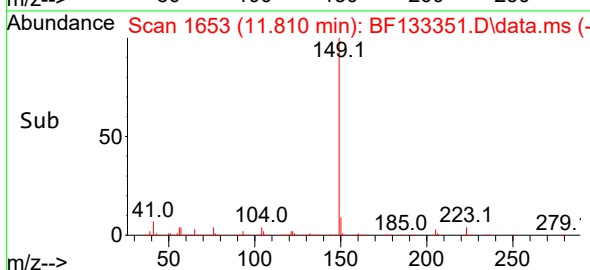
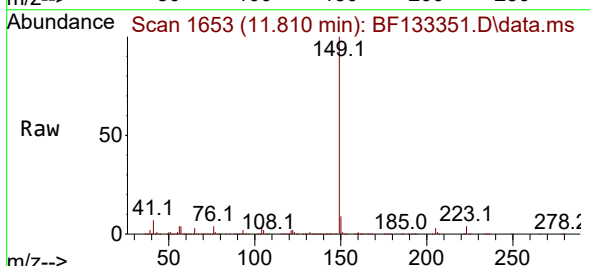
APPROVED

Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

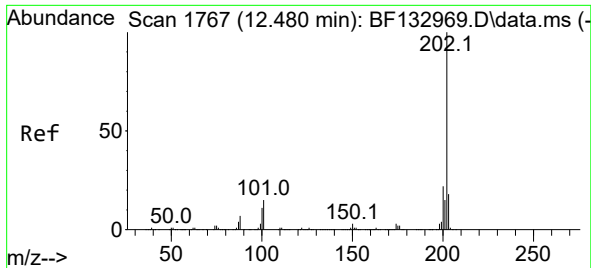


#74  
Di-n-butylphthalate  
Concen: 40.210 ng  
RT: 11.810 min Scan# 1653  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:149 Resp: 1775827  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.6 11.4  
104 4.5 4.0 6.0







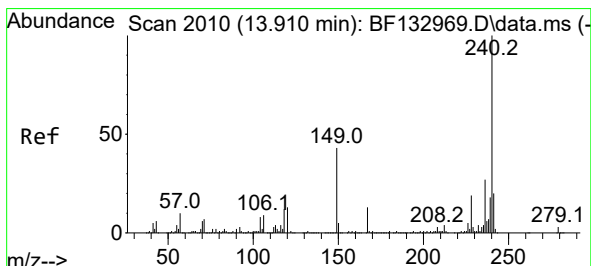
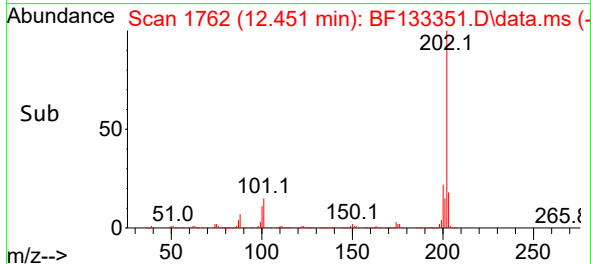
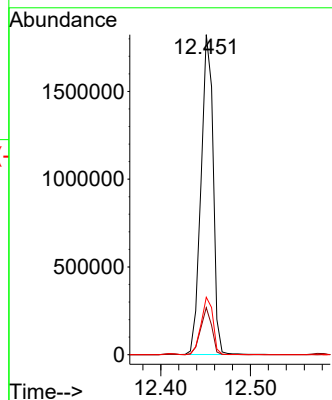
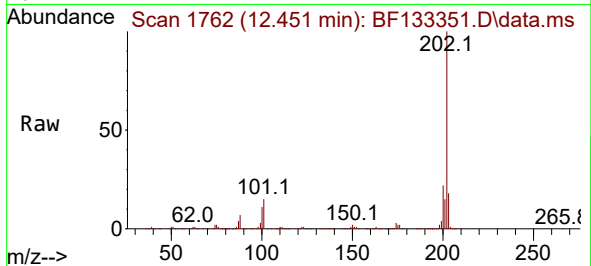
#75  
Fluoranthene  
Concen: 39.671 ng  
RT: 12.451 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS

Tgt Ion:202 Resp: 1705099  
Ion Ratio Lower Upper  
202 100  
101 14.7 0.0 35.3  
203 18.0 0.0 38.1

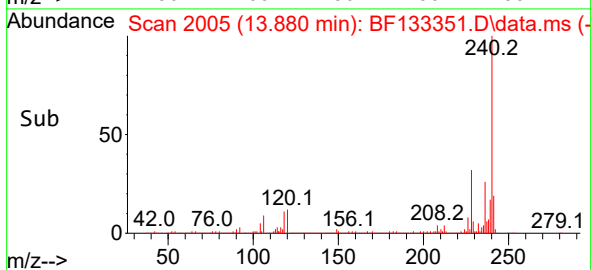
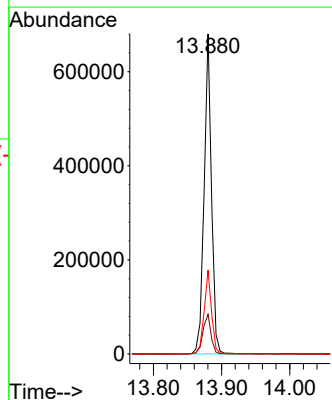
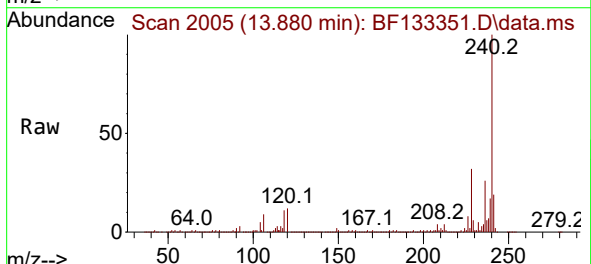
Manual Integrations  
APPROVED

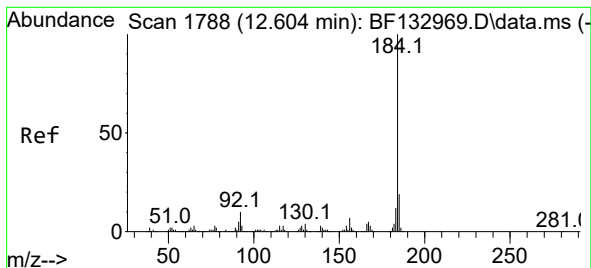
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.880 min Scan# 2005  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:240 Resp: 511835  
Ion Ratio Lower Upper  
240 100  
120 12.4 10.5 15.7  
236 26.2 21.5 32.3





#77

Benzidine

Concen: 112.596 ng

RT: 12.574 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS

Tgt Ion:184 Resp: 97456

Ion Ratio Lower Upper

184 100

185 15.1 15.4 23.2

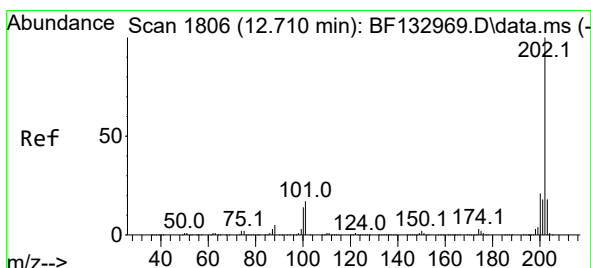
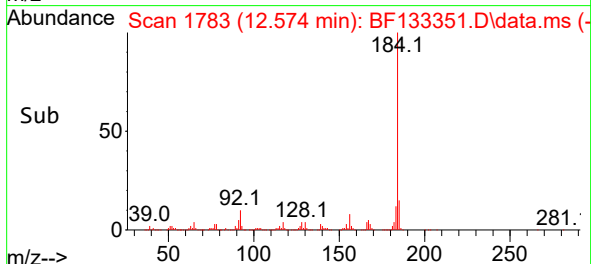
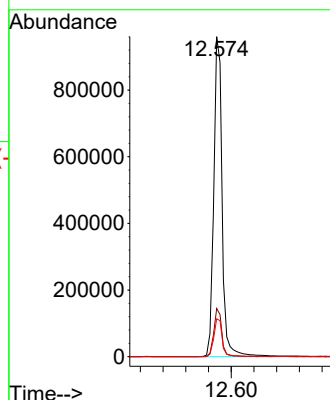
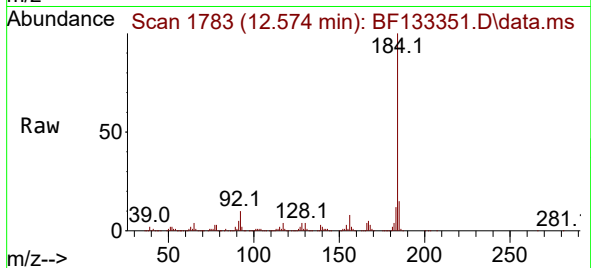
183 11.9 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#78

Pyrene

Concen: 40.207 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

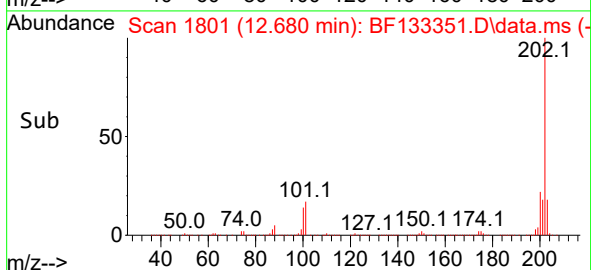
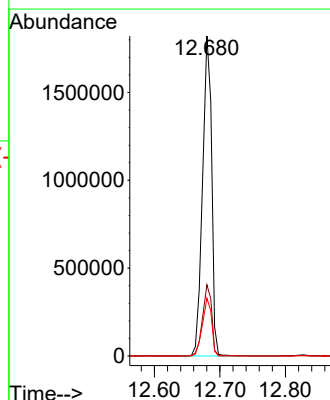
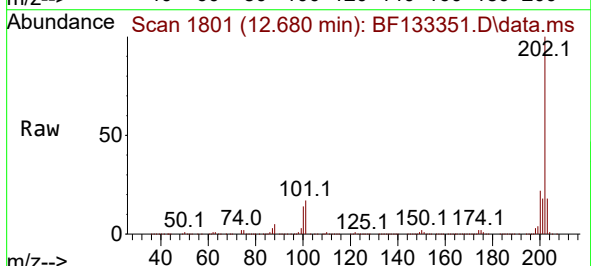
Tgt Ion:202 Resp: 1764114

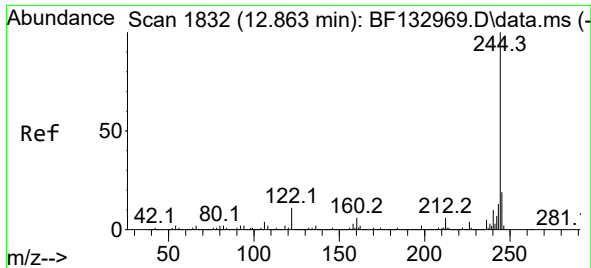
Ion Ratio Lower Upper

202 100

200 22.2 17.1 25.7

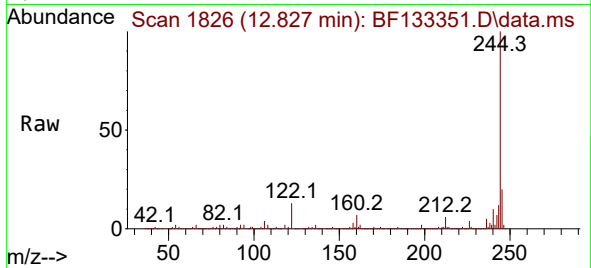
203 18.1 14.1 21.1





#79  
Terphenyl-d14  
Concen: 64.667 ng  
RT: 12.827 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

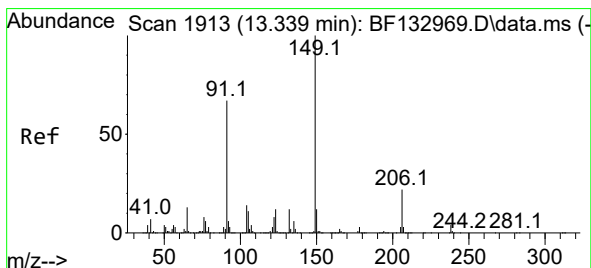
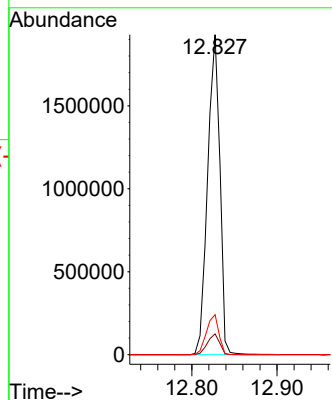
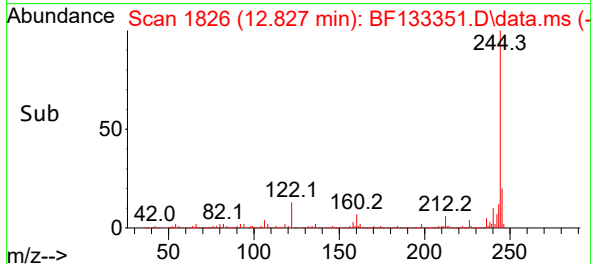
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:244 Resp: 1919154  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 12.5 8.6 13.0

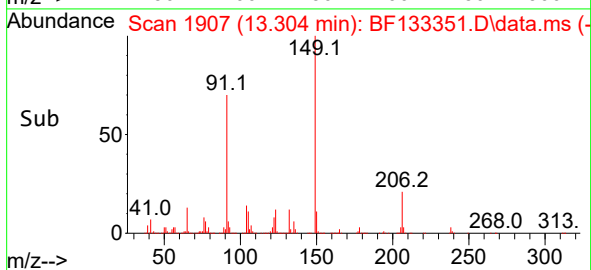
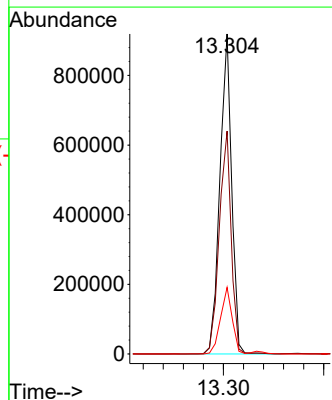
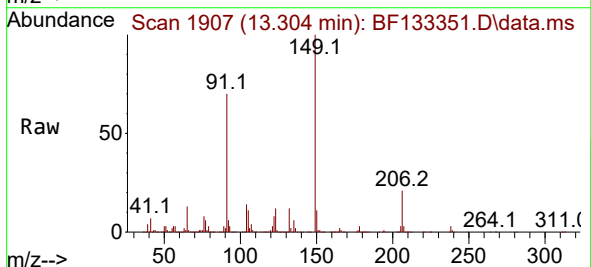
Manual Integrations  
APPROVED

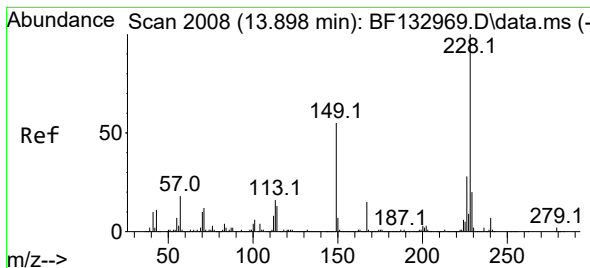
Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#80  
Butylbenzylphthalate  
Concen: 48.139 ng  
RT: 13.304 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:149 Resp: 747853  
Ion Ratio Lower Upper  
149 100  
91 69.7 53.8 80.6  
206 20.8 17.5 26.3





#81

Benzo(a)anthracene

Concen: 38.445 ng

RT: 13.868 min Scan# 2008

Delta R.T. -0.000 min

Lab File: BF133351.D

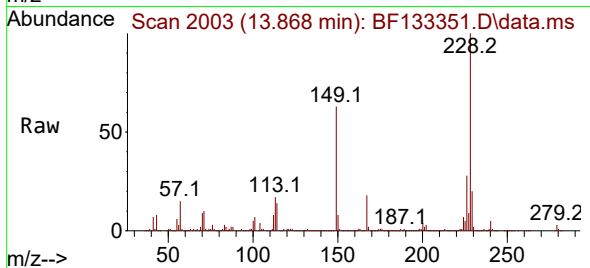
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion:228 Resp: 135315

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

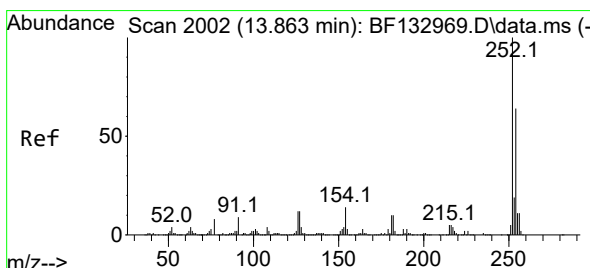
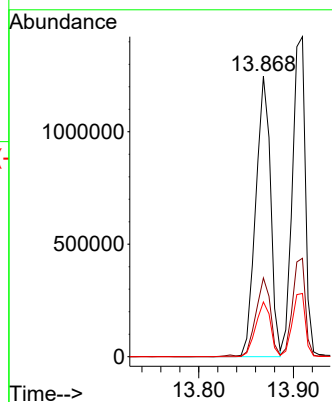
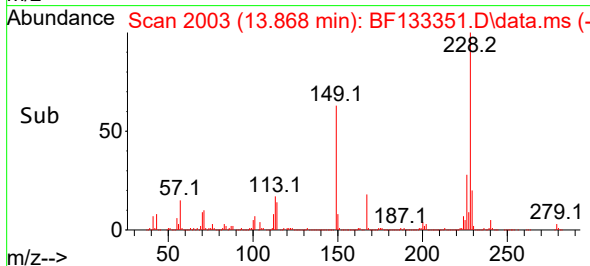
229 19.5 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#82

3,3'-Dichlorobenzidine

Concen: 38.926 ng

RT: 13.833 min Scan# 1997

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

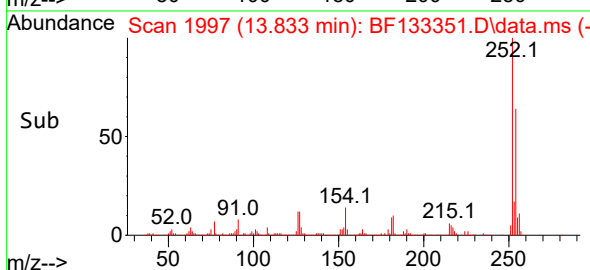
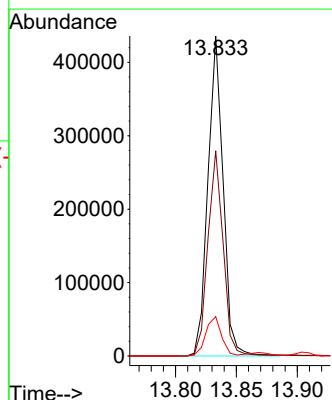
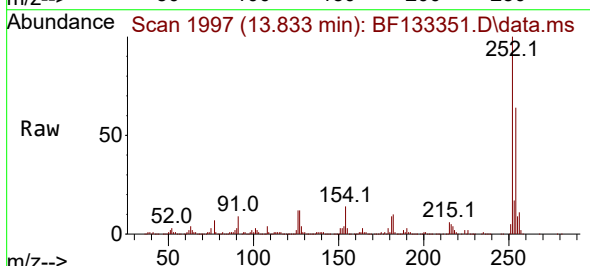
Tgt Ion:252 Resp: 378492

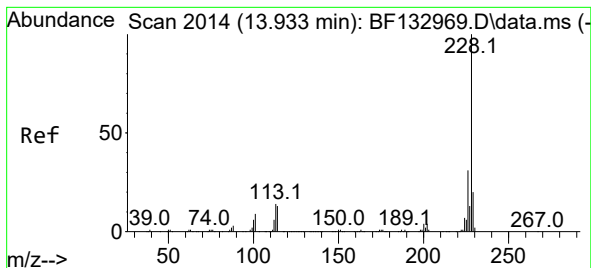
Ion Ratio Lower Upper

252 100

254 64.1 51.5 77.3

126 12.3 9.5 14.3





#83

Chrysene

Concen: 38.671 ng

RT: 13.909 min Scan# 2010

Delta R.T. -0.000 min

Lab File: BF133351.D

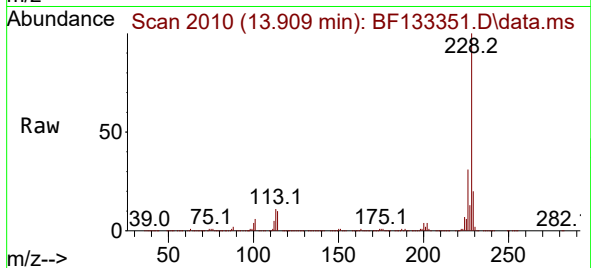
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion:228 Resp: 1360770

Ion Ratio Lower Upper

228 100

226 30.7 24.7 37.1

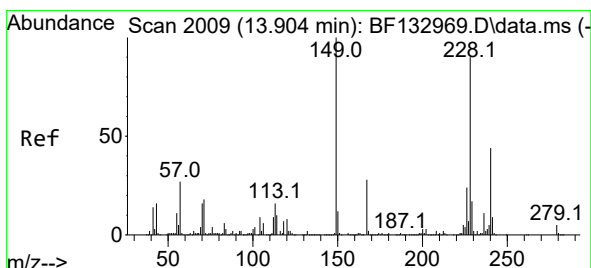
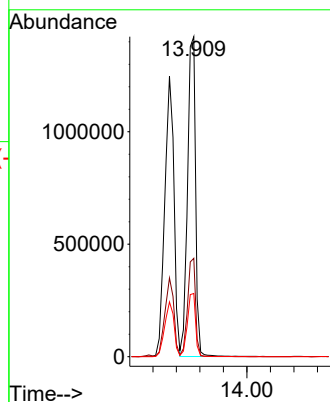
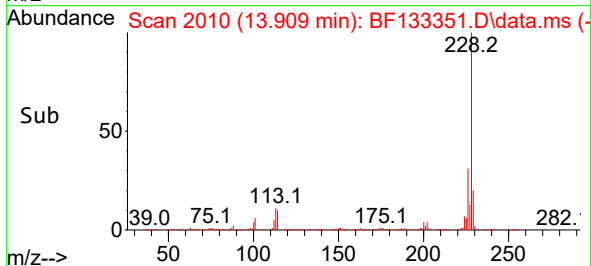
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.427 ng

RT: 13.862 min Scan# 2002

Delta R.T. -0.006 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

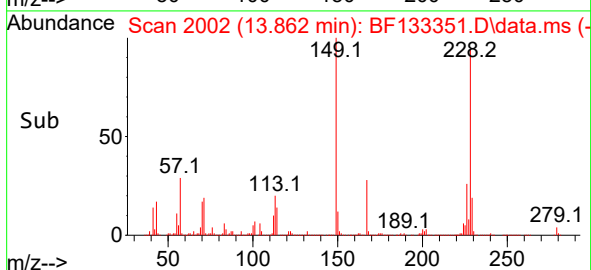
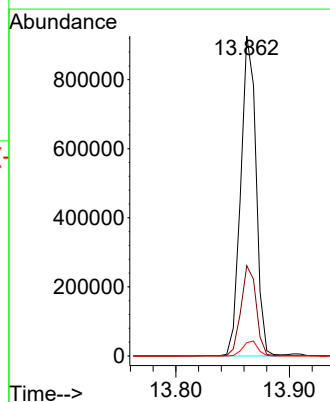
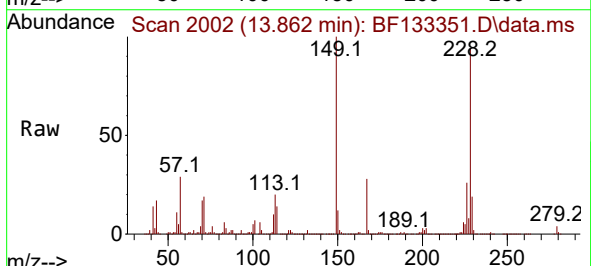
Tgt Ion:149 Resp: 866317

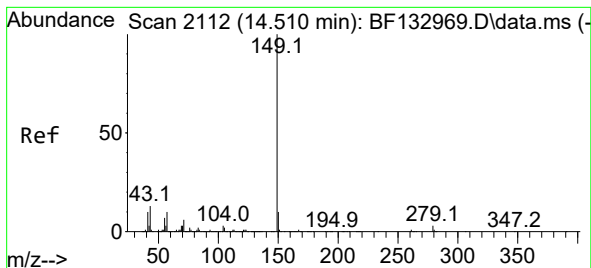
Ion Ratio Lower Upper

149 100

167 28.2 22.5 33.7

279 4.1 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 45.718 ng

RT: 14.474 min Scan# 2112

Delta R.T. -0.006 min

Lab File: BF133351.D

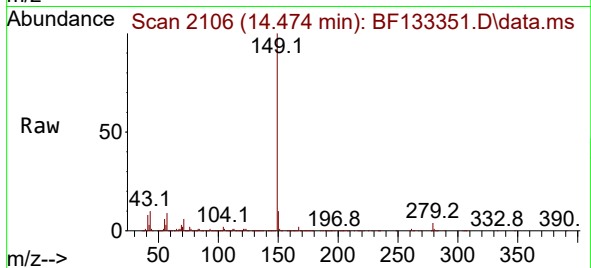
Acq: 11 May 2023 12:48

Instrument :

BNA\_F

ClientSampleId :

PB152690BS



Tgt Ion:149 Resp: 145363

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

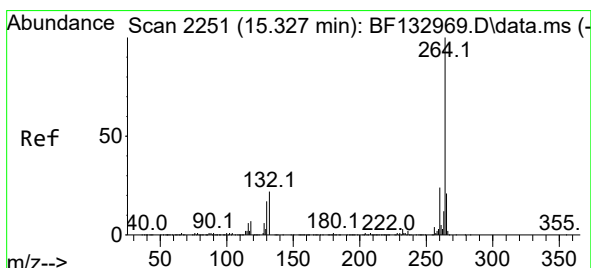
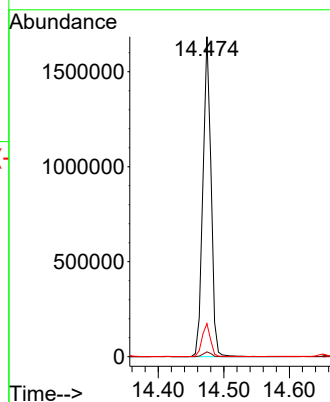
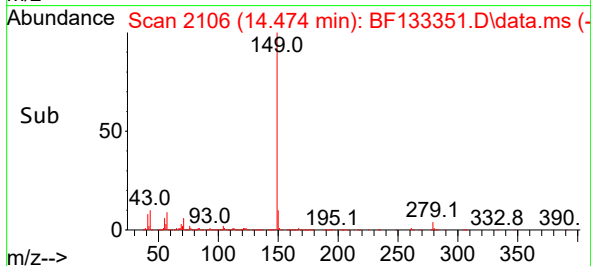
43 10.6 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/12/2023

Supervised By :Jagrut Upadhyay 05/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 2245

Delta R.T. -0.000 min

Lab File: BF133351.D

Acq: 11 May 2023 12:48

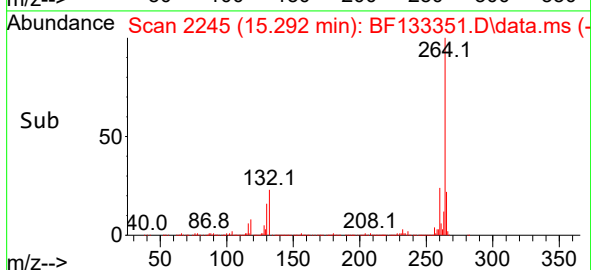
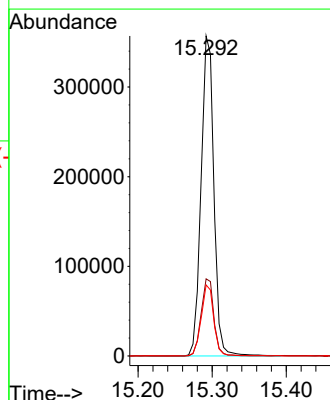
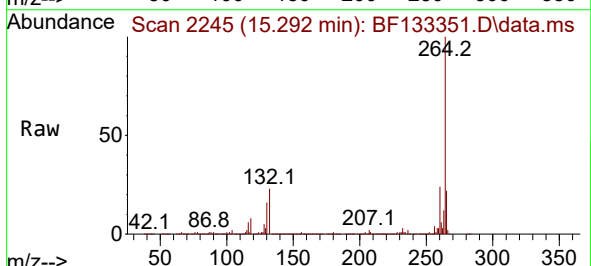
Tgt Ion:264 Resp: 429350

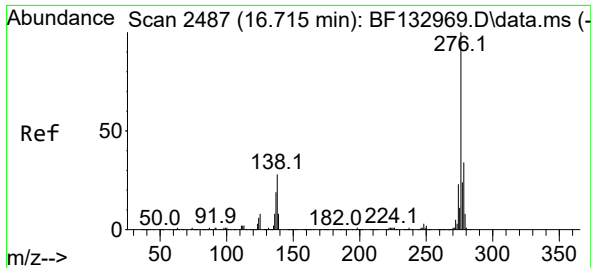
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

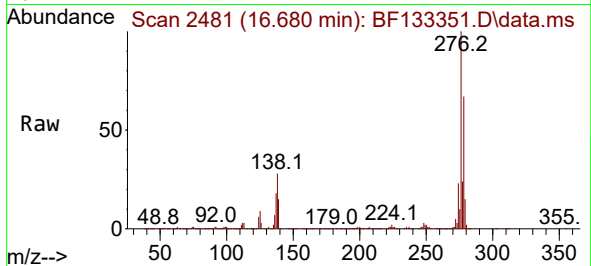
265 22.2 17.0 25.4





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.401 ng  
 RT: 16.680 min Scan# 2487  
 Delta R.T. 0.006 min  
 Lab File: BF133351.D  
 Acq: 11 May 2023 12:48

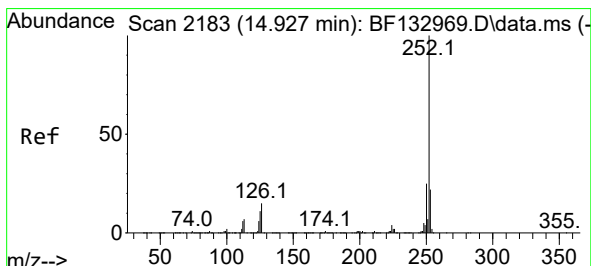
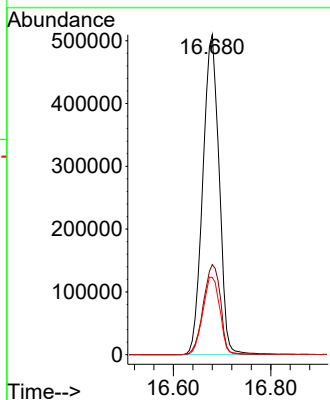
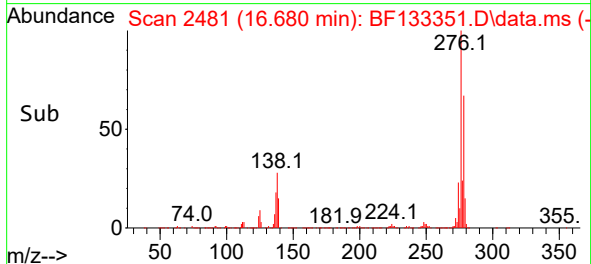
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152690BS



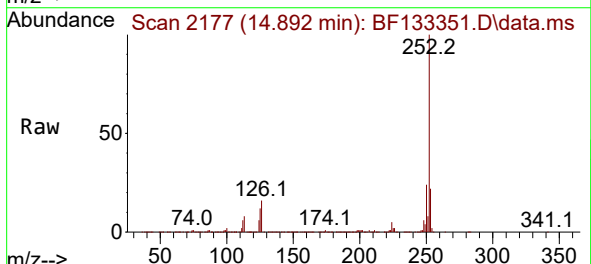
Tgt Ion: 276 Resp: 1182058  
 Ion Ratio Lower Upper  
 276 100  
 138 29.8 25.5 38.3  
 277 25.3 20.4 30.6

Manual Integrations  
 APPROVED

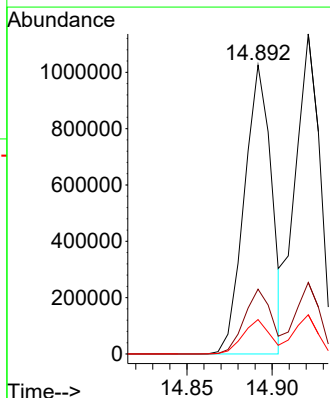
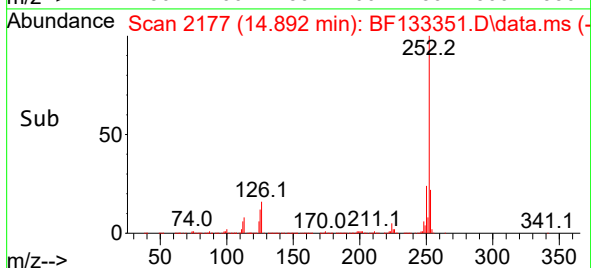
Reviewed By : Christian Giraldo 05/12/2023  
 Supervised By : Jagrut Upadhyay 05/15/2023

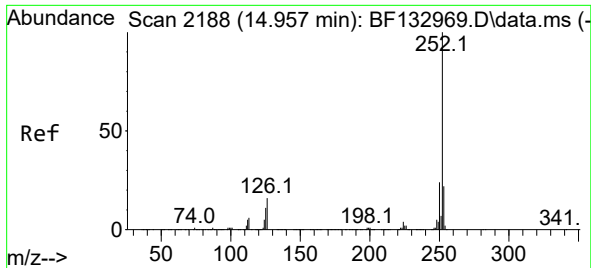


#88  
 Benzo(b)fluoranthene  
 Concen: 41.852 ng  
 RT: 14.892 min Scan# 2177  
 Delta R.T. -0.000 min  
 Lab File: BF133351.D  
 Acq: 11 May 2023 12:48



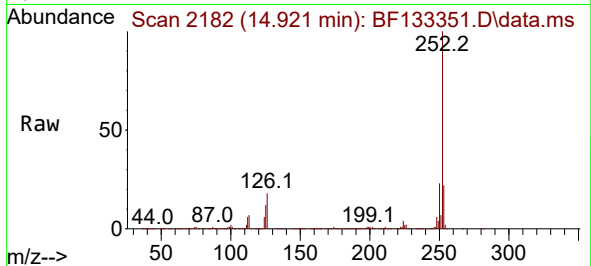
Tgt Ion: 252 Resp: 1143187  
 Ion Ratio Lower Upper  
 252 100  
 253 22.4 17.6 26.4  
 125 11.9 8.9 13.3





#89  
Benzo(k)fluoranthene  
Concen: 42.598 ng  
RT: 14.921 min Scan# 2188  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

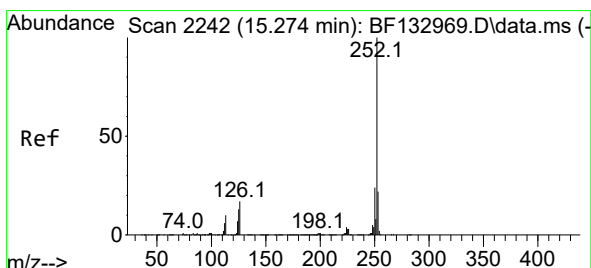
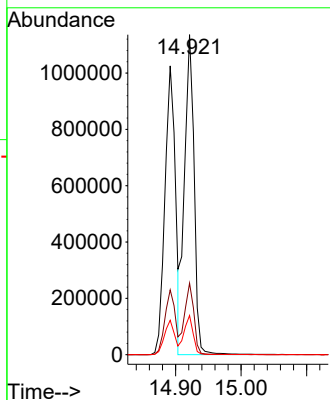
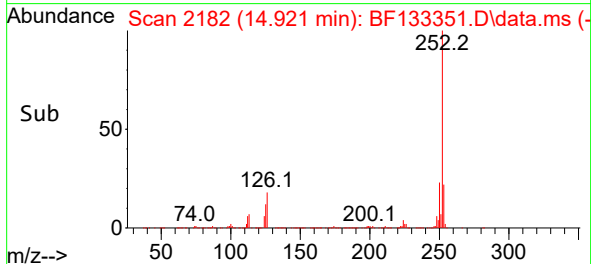
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



Tgt Ion:252 Resp: 1153420  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.7 26.5  
125 12.2 9.0 13.4

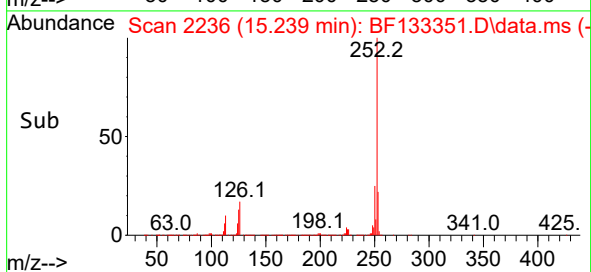
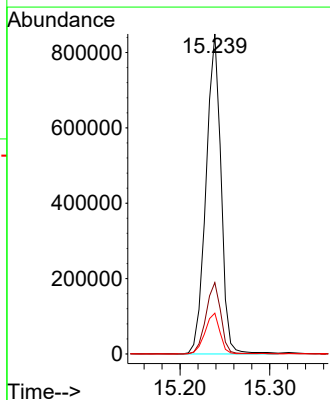
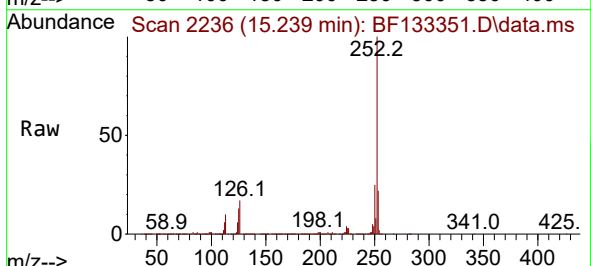
Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023

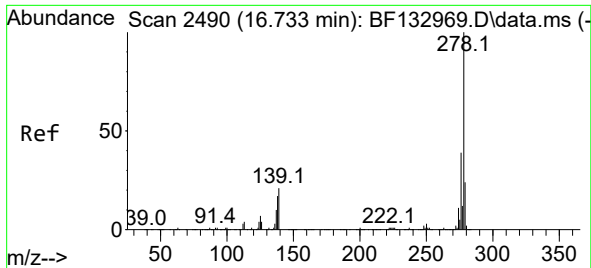


#90  
Benzo(a)pyrene  
Concen: 39.531 ng  
RT: 15.239 min Scan# 2236  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

Tgt Ion:252 Resp: 982823  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 12.7 10.5 15.7

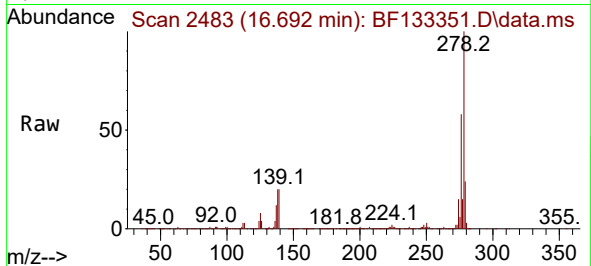






#91  
Dibenzo(a,h)anthracene  
Concen: 47.831 ng  
RT: 16.692 min Scan# 2490  
Delta R.T. -0.000 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48

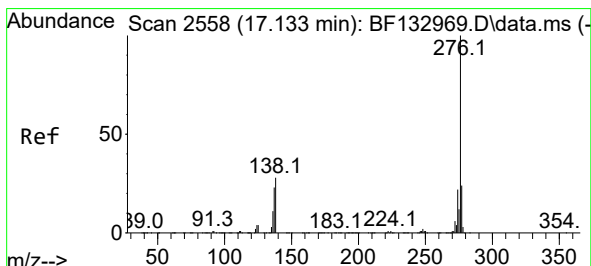
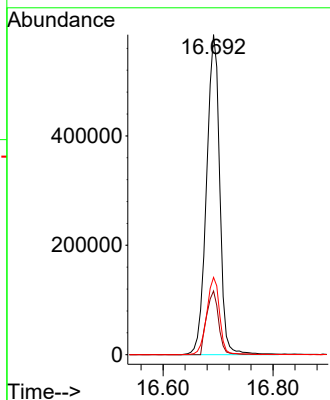
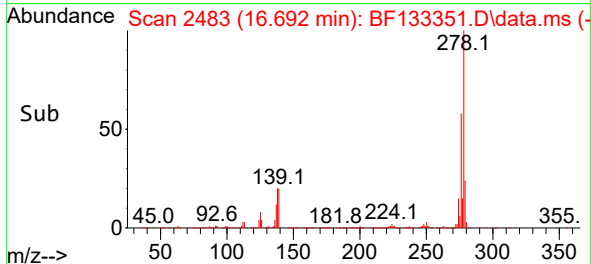
Instrument :  
BNA\_F  
ClientSampleId :  
PB152690BS



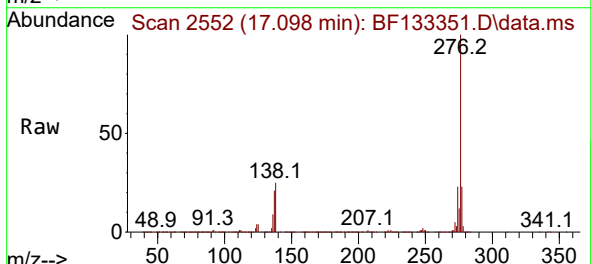
Tgt Ion:278 Resp: 974285  
Ion Ratio Lower Upper  
278 100  
139 19.9 16.6 24.8  
279 24.2 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/12/2023  
Supervised By :Jagrut Upadhyay 05/15/2023



#92  
Benzo(g,h,i)perylene  
Concen: 49.090 ng  
RT: 17.098 min Scan# 2552  
Delta R.T. 0.012 min  
Lab File: BF133351.D  
Acq: 11 May 2023 12:48



Tgt Ion:276 Resp: 987193  
Ion Ratio Lower Upper  
276 100  
277 23.3 19.4 29.0  
138 24.8 22.7 34.1

