

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050523\  
 Data File : BF133257.D  
 Acq On : 05 May 2023 11:24  
 Operator : CG\JU  
 Sample : PB152569BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152569BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/08/2023  
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 05:45:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 10:49:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.728  | 152  | 201801   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.016  | 136  | 858564   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.769  | 164  | 452188   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.245 | 188  | 789706   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.886 | 240  | 483378   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.298 | 264  | 409730   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1760170  | 131.760 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.375  | 99   | 2071299  | 124.919 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.298  | 82   | 1319844  | 82.977  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.557 | 330  | 545339   | 119.918 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.092  | 172  | 2165982  | 80.137  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.833 | 244  | 2480936  | 88.518  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.457  | 88   | 224860   | 36.289  | ng    | 98       |
| 3) Pyridine                   | 3.151  | 79   | 597904   | 36.330  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.116  | 42   | 366689   | 43.016  | ng    | 99       |
| 6) Aniline                    | 6.392  | 93   | 754586   | 35.334  | ng    | # 42     |
| 8) 2-Chlorophenol             | 6.516  | 128  | 653336   | 48.168  | ng    | 93       |
| 9) Benzaldehyde               | 6.275  | 77   | 336885   | 46.614  | ng    | 97       |
| 10) Phenol                    | 6.392  | 94   | 758582   | 41.470  | ng    | # 70     |
| 11) bis(2-Chloroethyl)ether   | 6.469  | 93   | 619450   | 45.128  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.669  | 146  | 671129   | 46.539  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.745  | 146  | 670637   | 46.402  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.898  | 146  | 648257   | 48.652  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 541843   | 47.307  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.010  | 45   | 995154   | 41.741  | ng    | 95       |
| 17) 2-Methylphenol            | 6.992  | 107  | 531348   | 42.782  | ng    | 99       |
| 18) Hexachloroethane          | 7.239  | 117  | 237012   | 47.169  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.151  | 70   | 420864   | 40.771  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 617399   | 42.211  | ng    | # 76     |
| 22) Acetophenone              | 7.139  | 105  | 862511   | 43.368  | ng    | # 96     |
| 24) Nitrobenzene              | 7.316  | 77   | 662090   | 41.077  | ng    | 98       |
| 25) Isophorone                | 7.557  | 82   | 1246416  | 41.272  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.633  | 139  | 364251   | 46.854  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.675  | 122  | 583305   | 43.757  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.769  | 93   | 743961   | 41.641  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.875  | 162  | 536923   | 44.244  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 7.957  | 180  | 553012   | 43.987  | ng    | 100      |
| 31) Naphthalene               | 8.039  | 128  | 1821251  | 42.428  | ng    | 100      |
| 32) Benzoic acid              | 7.816  | 122  | 401894   | 48.808  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.086  | 127  | 441406   | 25.451  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.157  | 225  | 303189   | 43.511  | ng    | 99       |
| 35) Caprolactam               | 8.469  | 113  | 195053m  | 47.845  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.575  | 107  | 580317   | 44.344  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.727  | 142  | 1186303  | 40.423  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.827  | 142  | 1129580  | 41.145  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.892  | 216  | 495945   | 40.791  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.880  | 237  | 600607   | 84.704  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.004  | 196  | 362537   | 43.117  | ng    | 97       |

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Manual Integrations  
 APPROVED

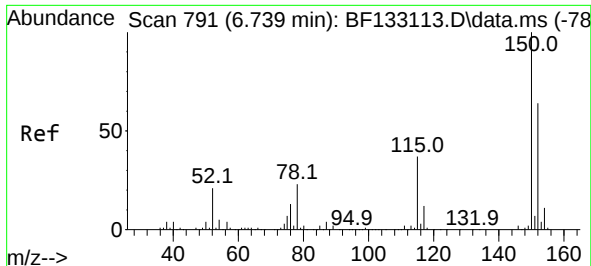
Reviewed By : Christian Giraldo 05/08/2023  
 Supervised By : Jagrut Upadhyay 05/08/2023

Quant Time: May 06 05:45:54 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 10:49:34 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 381224   | 39.203 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.192  | 154  | 1486249  | 41.450 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.216  | 162  | 1121277  | 42.724 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.310  | 65   | 372433   | 42.938 | ng    | 94       |
| 49) Acenaphthylene            | 9.627  | 152  | 1742538  | 41.553 | ng    | 99       |
| 50) Dimethylphthalate         | 9.498  | 163  | 1320934  | 41.894 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.557  | 165  | 311051   | 43.831 | ng    | 89       |
| 52) Acenaphthene              | 9.804  | 154  | 1271612m | 45.276 | ng    |          |
| 53) 3-Nitroaniline            | 9.722  | 138  | 275423   | 32.641 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.833  | 184  | 348029   | 97.566 | ng    | 99       |
| 55) Dibenzofuran              | 9.974  | 168  | 1531435  | 39.973 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.898  | 139  | 558824   | 85.507 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 9.957  | 165  | 408607   | 45.149 | ng    | 97       |
| 58) Fluorene                  | 10.316 | 166  | 1127954  | 40.185 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.092 | 232  | 321244   | 42.612 | ng    | 99       |
| 60) Diethylphthalate          | 10.192 | 149  | 1237296  | 41.545 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.304 | 204  | 539440   | 39.437 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.339 | 138  | 361707   | 46.639 | ng    | 98       |
| 63) Azobenzene                | 10.469 | 77   | 1268918  | 40.220 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198  | 234167   | 48.922 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.427 | 169  | 1061319  | 41.432 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.798 | 248  | 355511   | 41.508 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.863 | 284  | 391194   | 44.574 | ng    | 98       |
| 69) Atrazine                  | 10.957 | 200  | 368635   | 49.943 | ng    | 98       |
| 70) Pentachlorophenol         | 11.057 | 266  | 452521   | 72.399 | ng    | 98       |
| 71) Phenanthrene              | 11.274 | 178  | 1764060  | 41.562 | ng    | 100      |
| 72) Anthracene                | 11.327 | 178  | 1780167  | 40.983 | ng    | 99       |
| 73) Carbazole                 | 11.480 | 167  | 1648869  | 42.631 | ng    | 98       |
| 74) Di-n-butylphthalate       | 11.816 | 149  | 1943661  | 44.406 | ng    | 99       |
| 75) Fluoranthene              | 12.457 | 202  | 1780667  | 41.802 | ng    | 99       |
| 77) Benzidine                 | 12.580 | 184  | 758285   | 92.766 | ng    | # 93     |
| 78) Pyrene                    | 12.686 | 202  | 1842417  | 44.463 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.310 | 149  | 790186   | 53.858 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.874 | 228  | 1361351  | 40.955 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.839 | 252  | 373422   | 40.666 | ng    | 99       |
| 83) Chrysene                  | 13.910 | 228  | 1351541  | 40.670 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.868 | 149  | 846432   | 45.963 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.480 | 149  | 1421181  | 47.329 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.674 | 276  | 1192812  | 51.180 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 14.898 | 252  | 1232982  | 47.301 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 14.921 | 252  | 1097848  | 42.487 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.239 | 252  | 1010690  | 42.599 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.692 | 278  | 997992   | 51.341 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.092 | 276  | 1010297  | 52.645 | ng    | 97       |

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





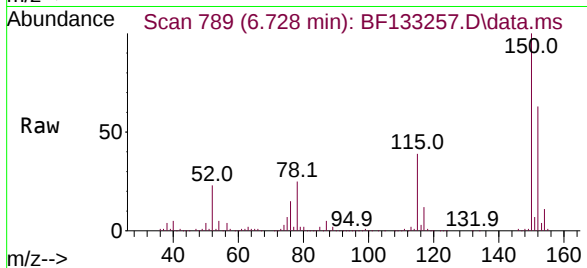
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.728 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF133257.D  
 Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

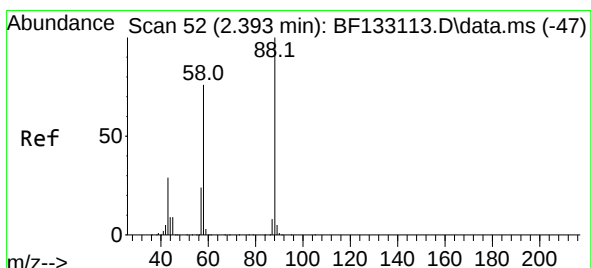
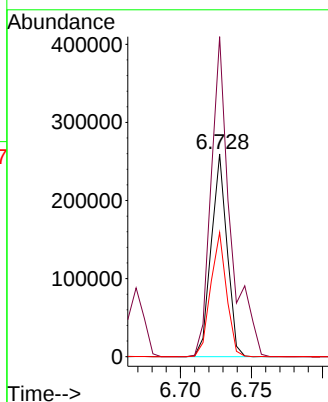
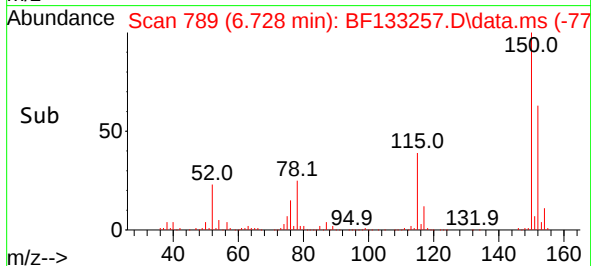


Tgt Ion:152 Resp: 20180  
 Ion Ratio Lower Upper  
 152 100  
 150 157.9 124.8 187.2  
 115 61.2 49.9 74.9

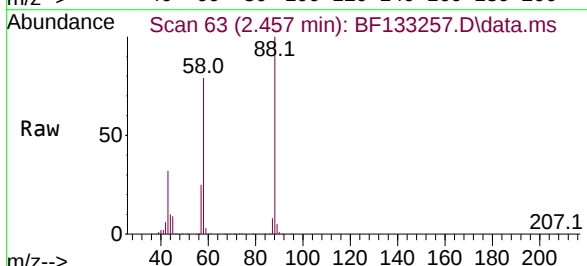
Manual Integrations

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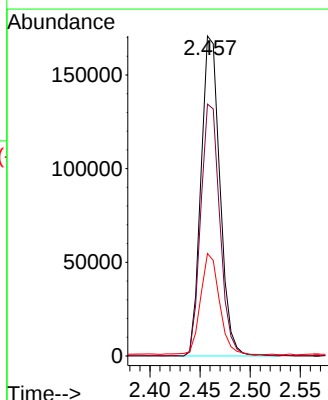
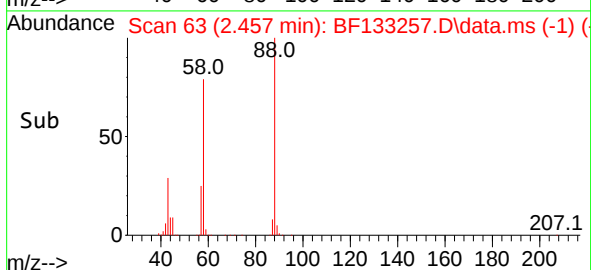
Reviewed By :Christian Giraldo 05/08/2023  
 Supervised By :Jagrut Upadhyay 05/08/2023

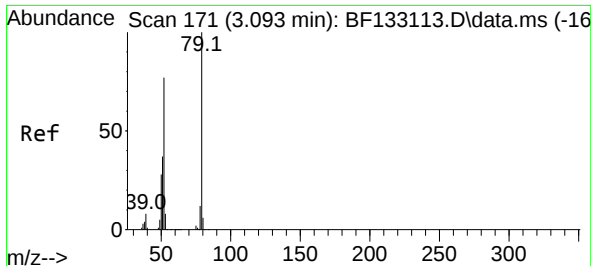


#2  
 1,4-Dioxane  
 Concen: 36.289 ng  
 RT: 2.457 min Scan# 63  
 Delta R.T. 0.088 min  
 Lab File: BF133257.D  
 Acq: 05 May 2023 11:24



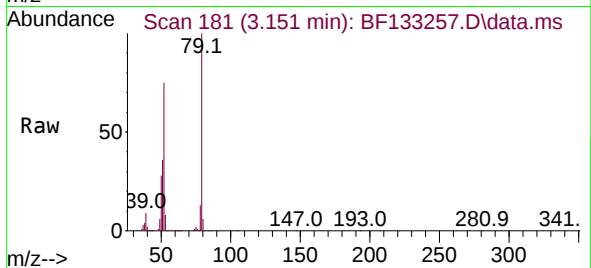
Tgt Ion: 88 Resp: 224860  
 Ion Ratio Lower Upper  
 88 100  
 58 79.3 64.7 97.1  
 43 31.5 26.2 39.2





#3  
Pyridine  
Concen: 36.330 ng  
RT: 3.151 min Scan# 11  
Delta R.T. 0.088 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

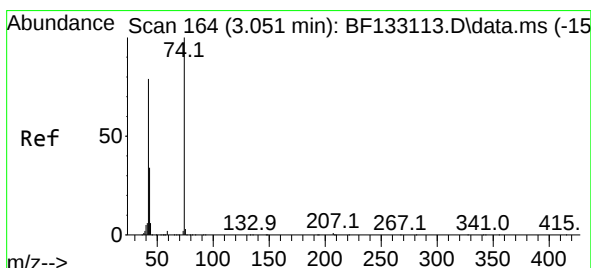
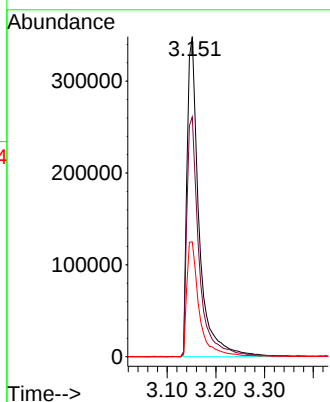
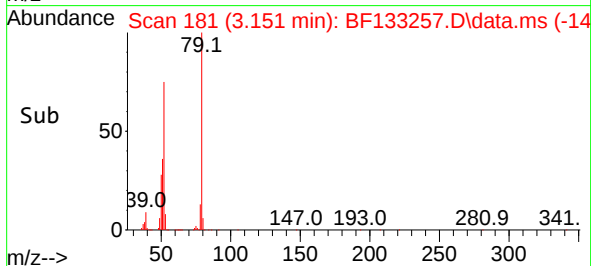
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



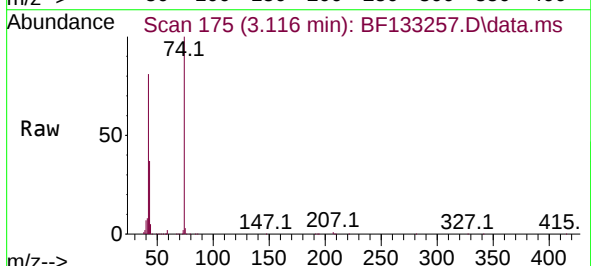
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Ion Ratio Lower Upper  
79 100  
52 74.9 64.6 96.8  
51 35.9 30.0 45.0

Manual Integrations  
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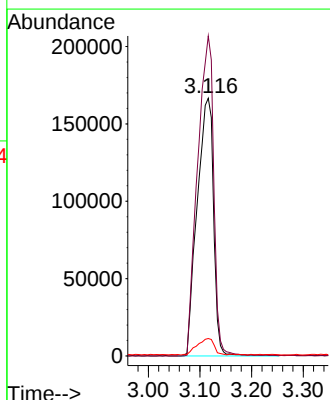
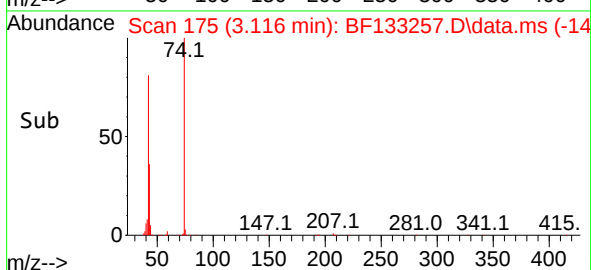
Reviewed By :Christian Giraldo 05/08/2023  
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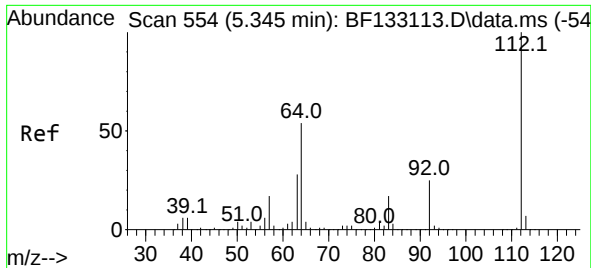


#4  
n-Nitrosodimethylamine  
Concen: 43.016 ng  
RT: 3.116 min Scan# 175  
Delta R.T. 0.082 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion: 42 Resp: 366689  
Ion Ratio Lower Upper  
42 100  
74 124.1 98.0 147.0  
44 6.8 5.8 8.8





#5  
2-Fluorophenol  
Concen: 131.760 ng  
RT: 5.351 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

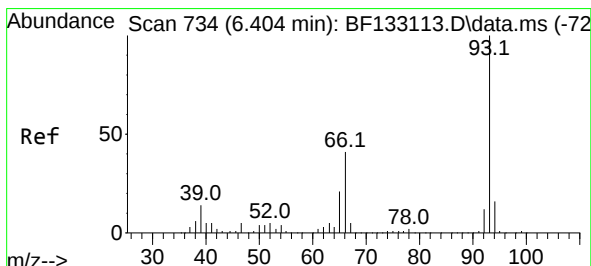
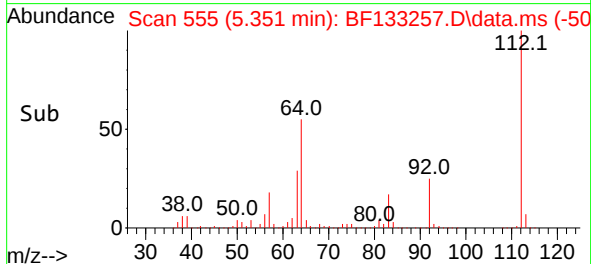
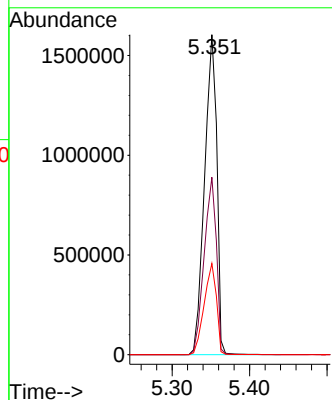
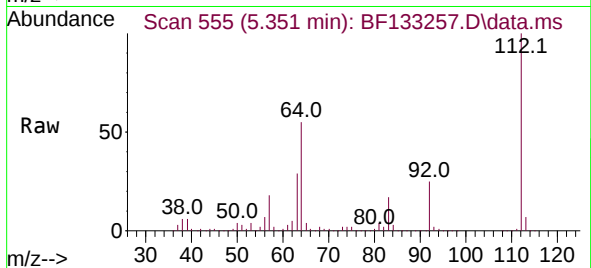
PB152569BS

Tgt Ion:112 Resp: 1760170  
Ion Ratio Lower Upper  
112 100  
64 55.5 46.8 70.2  
63 28.5 23.8 35.8

Manual Integrations

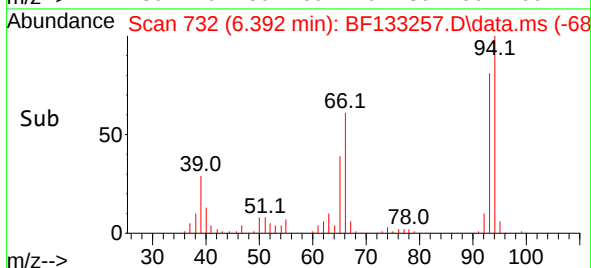
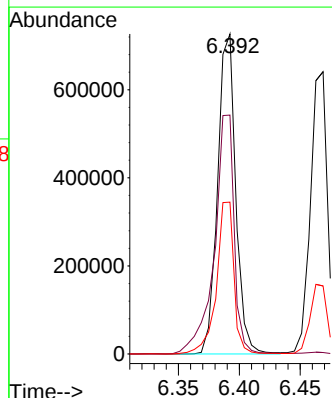
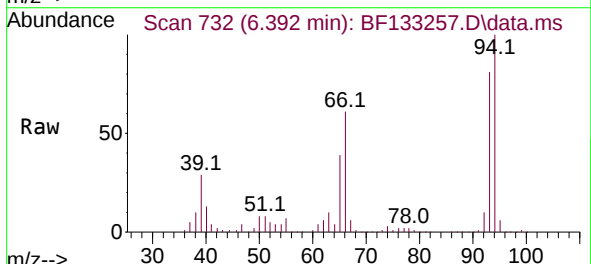
APPROVED

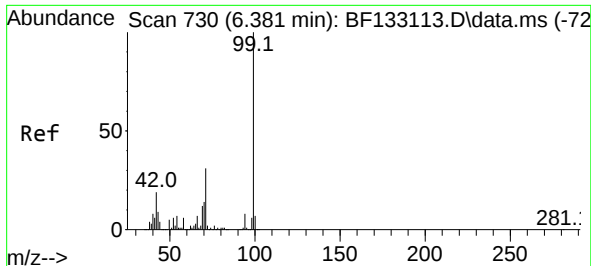
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#6  
Aniline  
Concen: 35.334 ng  
RT: 6.392 min Scan# 732  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

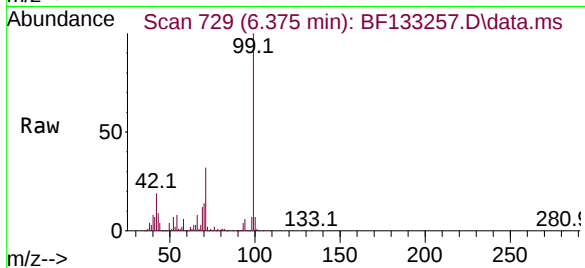
Tgt Ion: 93 Resp: 754586  
Ion Ratio Lower Upper  
93 100  
66 74.6 31.5 47.3#  
65 47.5 16.4 24.6#





#7  
Phenol-d6  
Concen: 124.919 ng  
RT: 6.375 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

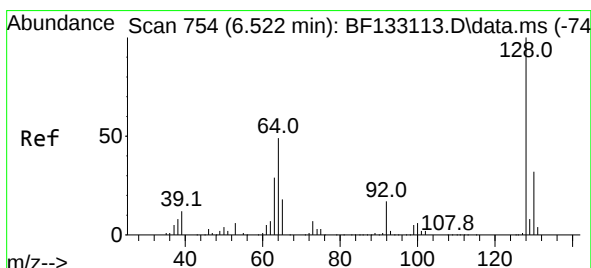
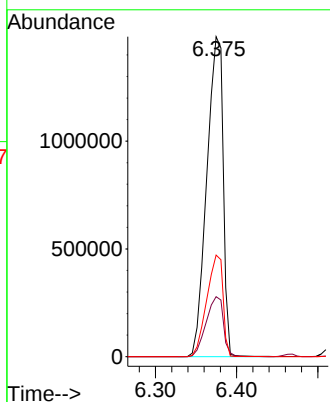
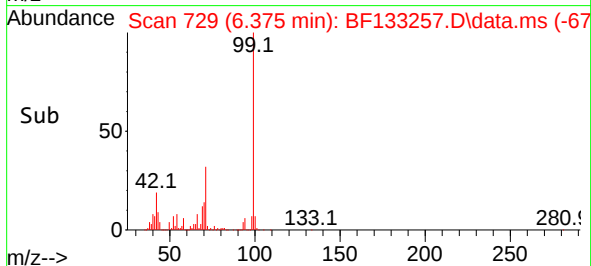
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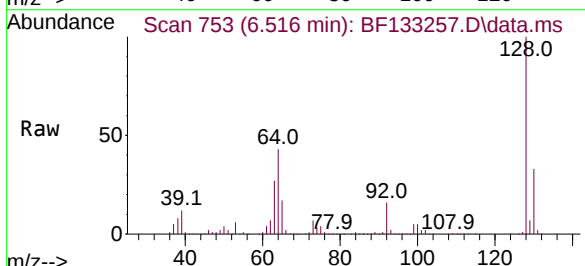
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Manual Integrations  
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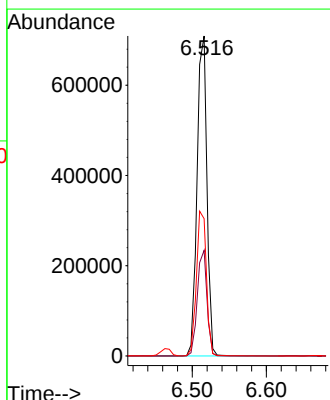
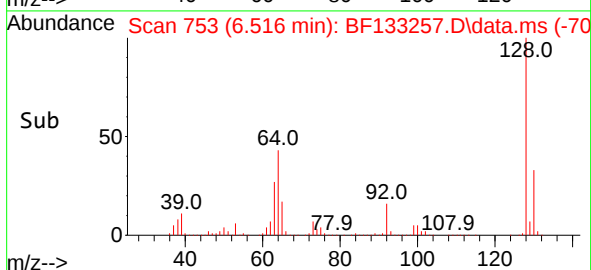
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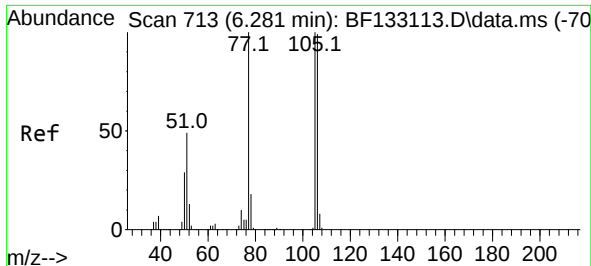


#8  
2-Chlorophenol  
Concen: 48.168 ng  
RT: 6.516 min Scan# 753  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



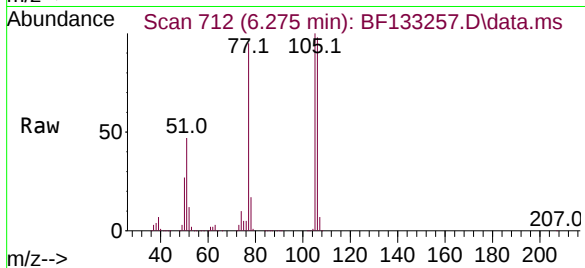
Tgt Ion:128 Resp: 653336  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.2 52.2  
64 42.9 30.3 70.3





#9  
Benzaldehyde  
Concen: 46.614 ng  
RT: 6.275 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

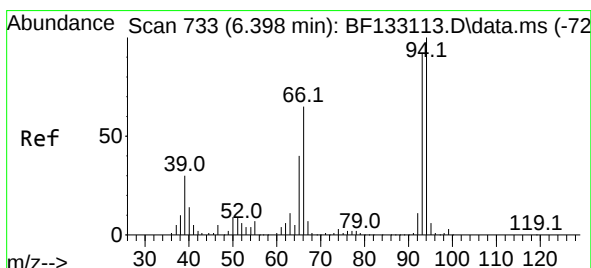
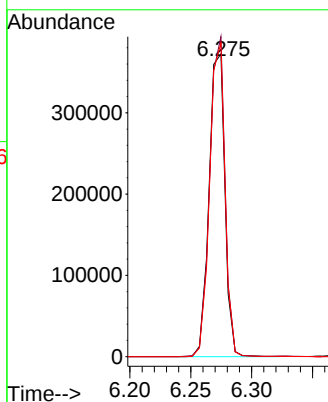
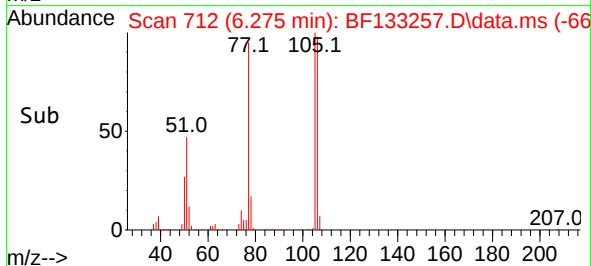
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



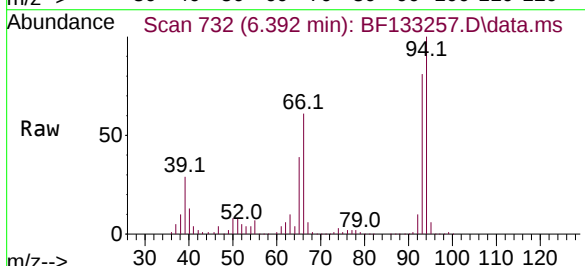
Tgt Ion: 77 Resp: 336885  
Ion Ratio Lower Upper  
77 100  
105 105.7 82.3 122.3  
106 103.7 80.8 120.8

Manual Integrations  
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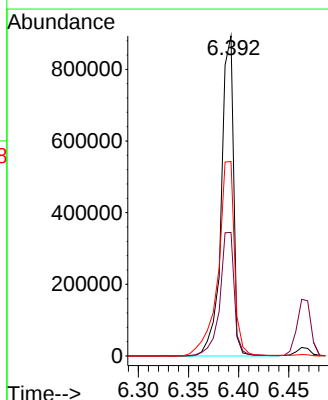
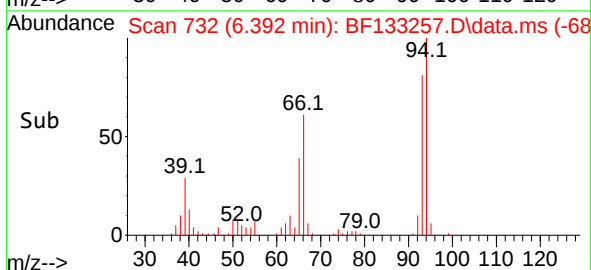
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

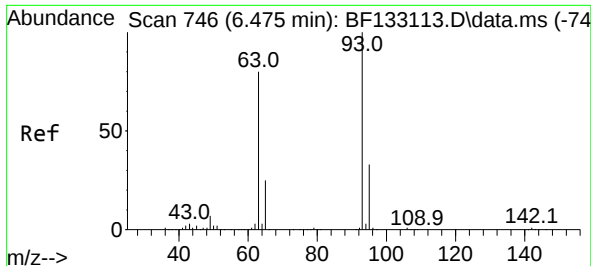


#10  
Phenol  
Concen: 41.470 ng  
RT: 6.392 min Scan# 732  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion: 94 Resp: 758582  
Ion Ratio Lower Upper  
94 100  
65 38.6 8.6 48.6  
66 60.7 17.3 57.3#





#11

bis(2-Chloroethyl)ether

Concen: 45.128 ng

RT: 6.469 min Scan# 746

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion: 93 Resp: 619450

Ion Ratio Lower Upper

93 100

63 76.1 60.6 100.6

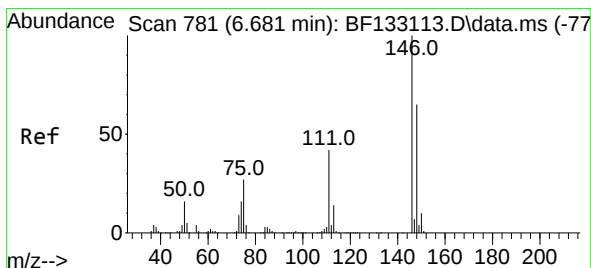
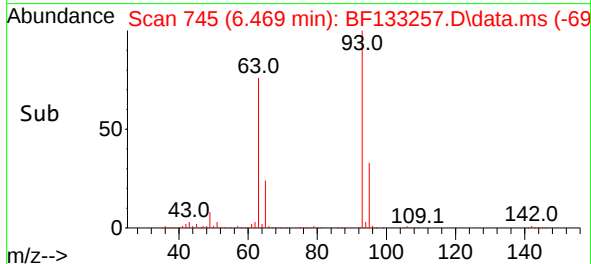
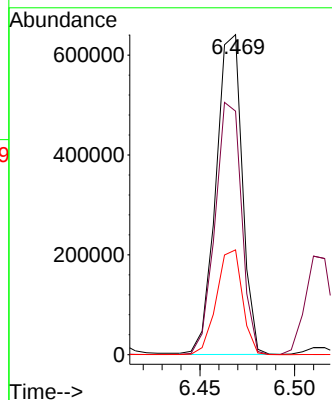
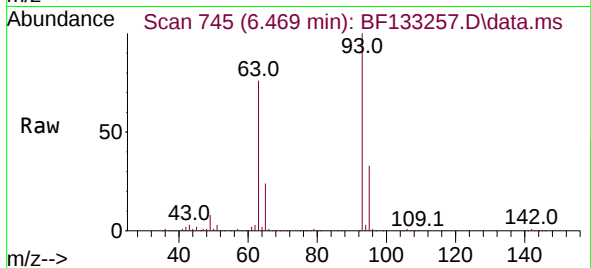
95 32.8 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#12

1,3-Dichlorobenzene

Concen: 46.539 ng

RT: 6.669 min Scan# 779

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

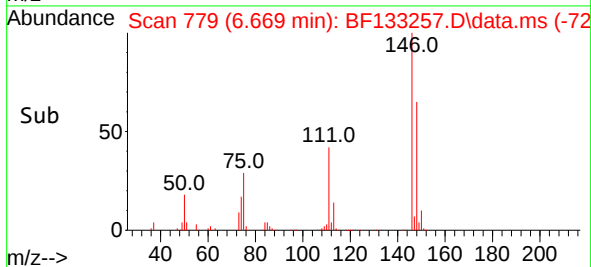
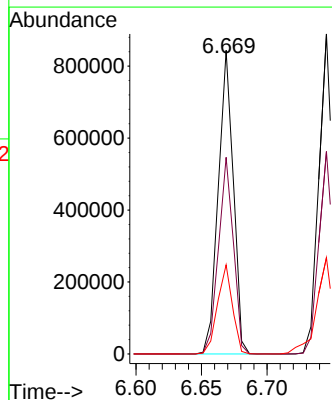
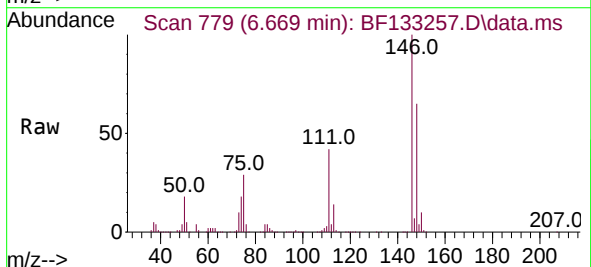
Tgt Ion:146 Resp: 671129

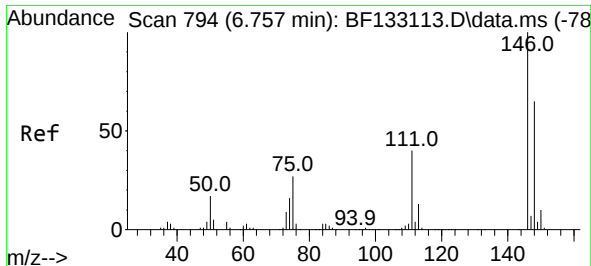
Ion Ratio Lower Upper

146 100

148 64.8 51.0 76.4

75 29.3 24.8 37.2





#13

1,4-Dichlorobenzene

Concen: 46.402 ng

RT: 6.745 min Scan# 794

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion:146 Resp: 67063

Ion Ratio Lower Upper

146 100

148 63.2 50.3 75.5

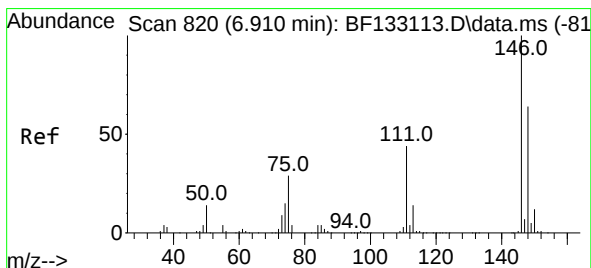
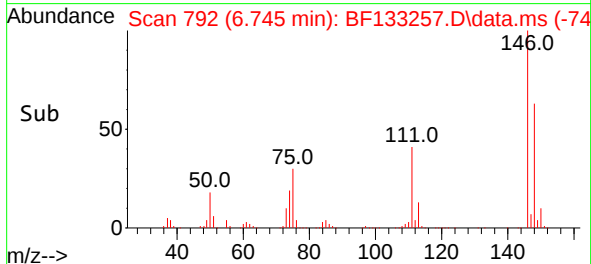
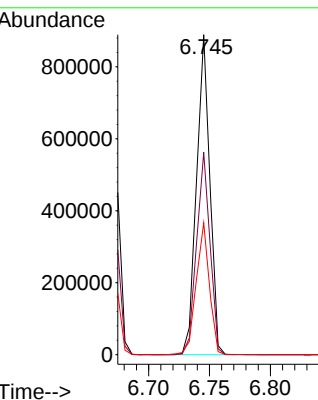
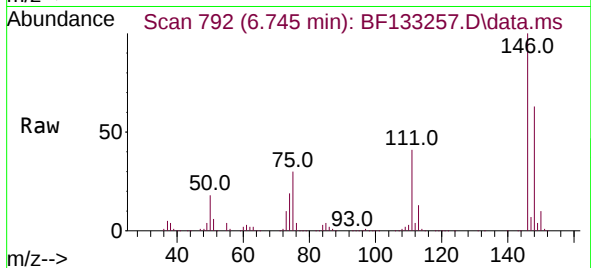
111 41.2 33.8 50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#14

1,2-Dichlorobenzene

Concen: 48.652 ng

RT: 6.898 min Scan# 818

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

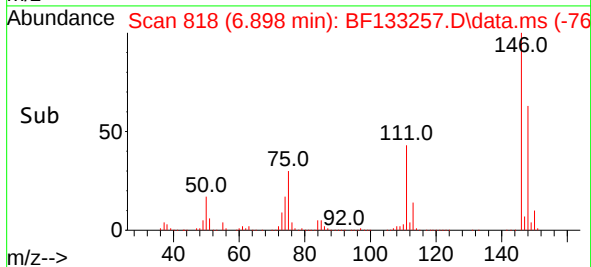
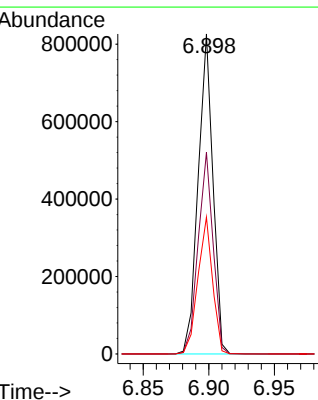
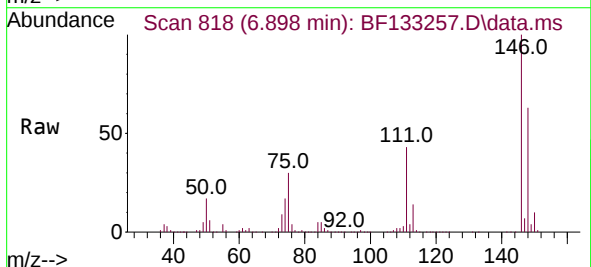
Tgt Ion:146 Resp: 648257

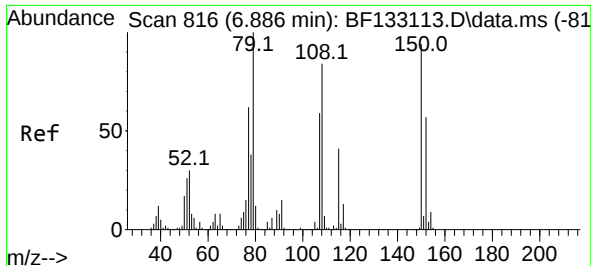
Ion Ratio Lower Upper

146 100

148 63.0 52.2 78.2

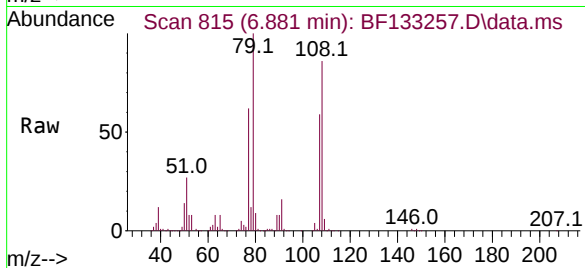
111 42.8 32.8 49.2





#15  
Benzyl Alcohol  
Concen: 47.307 ng  
RT: 6.881 min Scan# 816  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

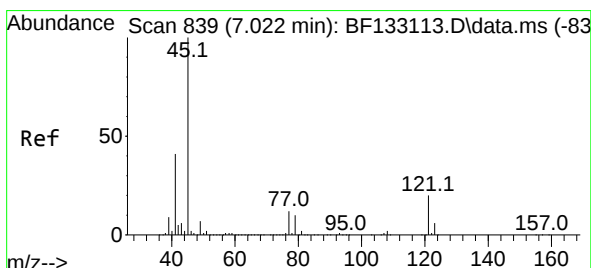
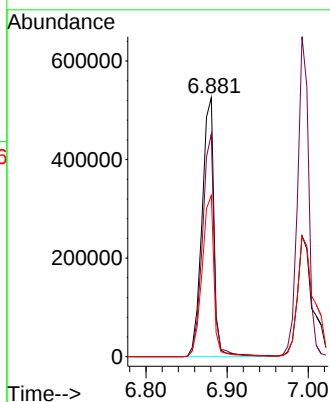
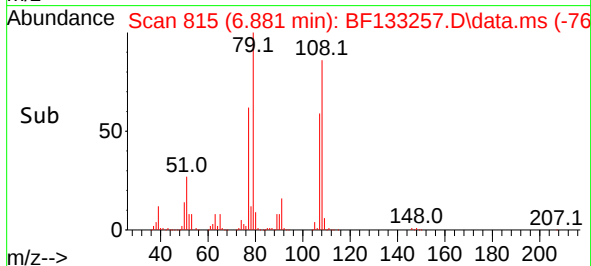
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



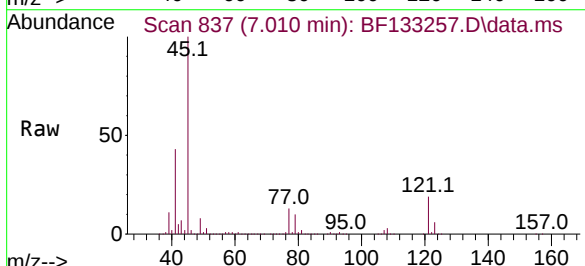
Tgt Ion: 79 Resp: 54184  
Ion Ratio Lower Upper  
79 100  
108 86.0 66.6 99.8  
77 62.3 49.2 73.8

Manual Integrations  
APPROVED

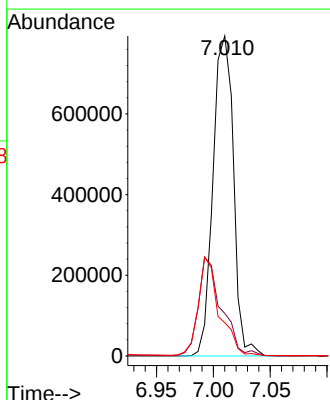
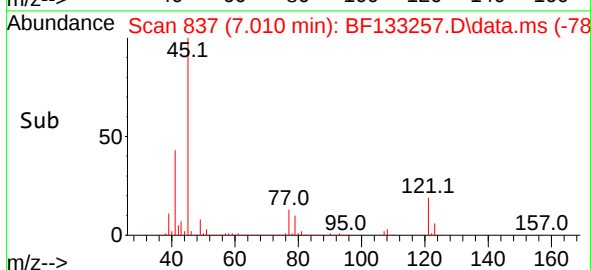
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

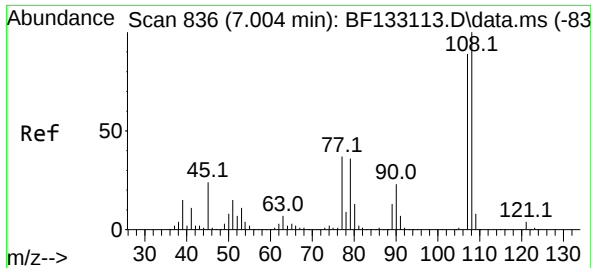


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.741 ng  
RT: 7.010 min Scan# 837  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion: 45 Resp: 995154  
Ion Ratio Lower Upper  
45 100  
77 13.3 0.0 31.5  
79 10.4 0.0 28.7





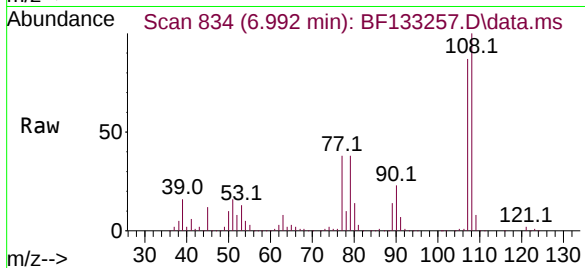
#17  
2-Methylphenol  
Concen: 42.782 ng  
RT: 6.992 min Scan# 811  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

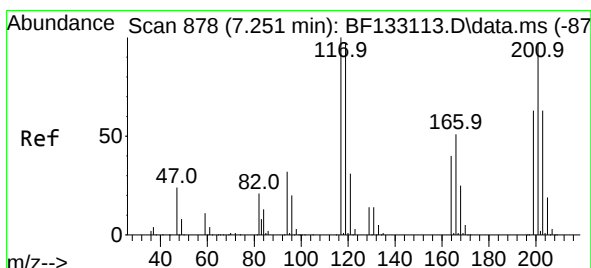
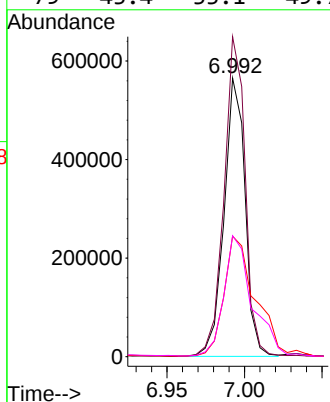
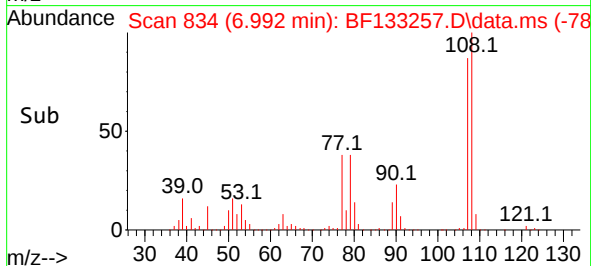


Tgt Ion:107 Resp: 531348  
Ion Ratio Lower Upper  
107 100  
108 114.9 92.4 138.6  
77 43.3 33.8 50.8  
79 43.4 33.1 49.7

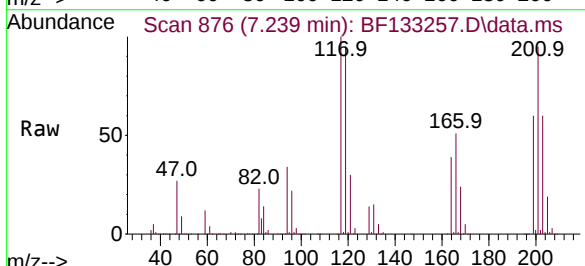
Manual Integrations

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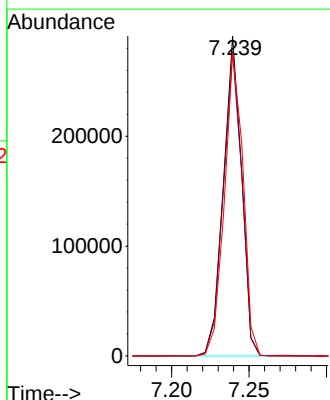
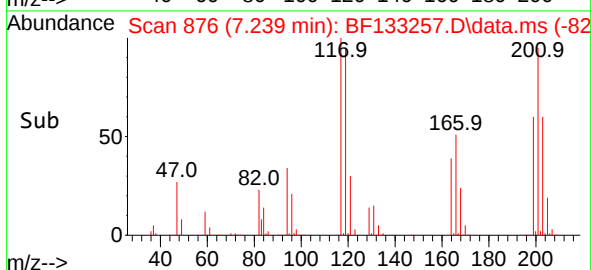
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

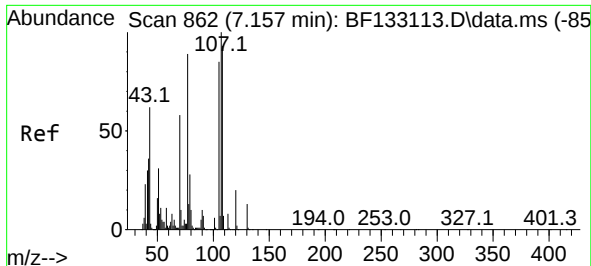


#18  
Hexachloroethane  
Concen: 47.169 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:117 Resp: 237012  
Ion Ratio Lower Upper  
117 100  
119 95.3 78.2 117.4  
201 94.6 81.7 122.5





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.771 ng  
RT: 7.151 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

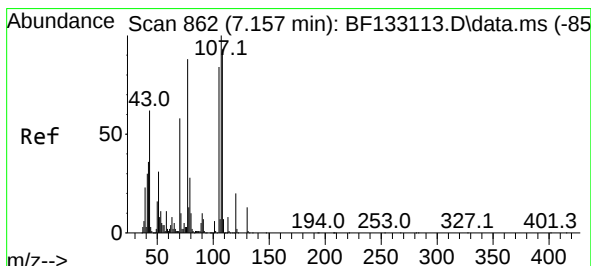
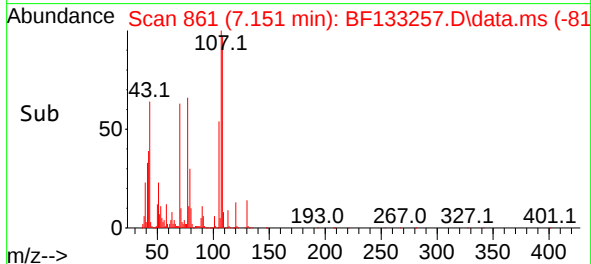
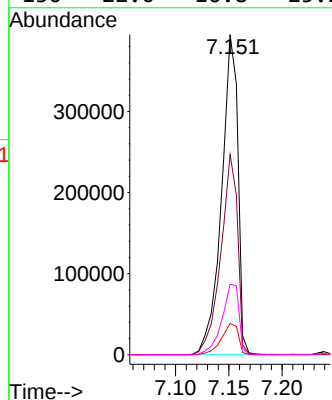
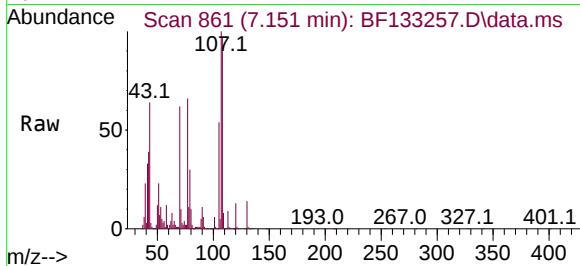
ClientSampleId :

PB152569BS

Tgt Ion: 70 Resp: 420864  
Ion Ratio Lower Upper  
70 100  
42 62.6 51.8 77.6  
101 9.8 8.0 12.0  
130 22.0 16.8 25.2

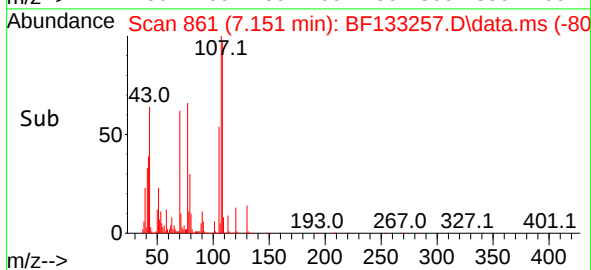
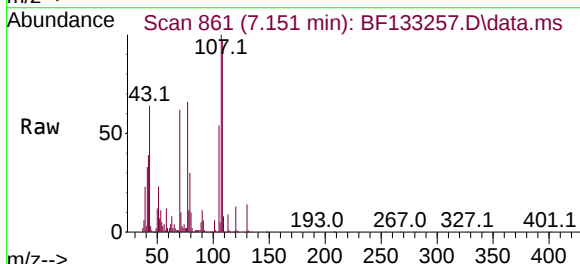
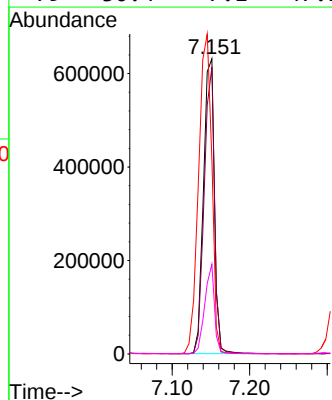
Manual Integrations  
APPROVED

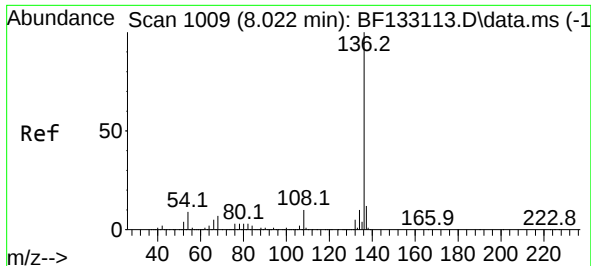
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#20  
3+4-Methylphenols  
Concen: 42.211 ng  
RT: 7.151 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:107 Resp: 617399  
Ion Ratio Lower Upper  
107 100  
108 97.1 70.5 110.5  
77 65.9 91.7 131.7#  
79 30.4 7.1 47.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.016 min Scan# 1009  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

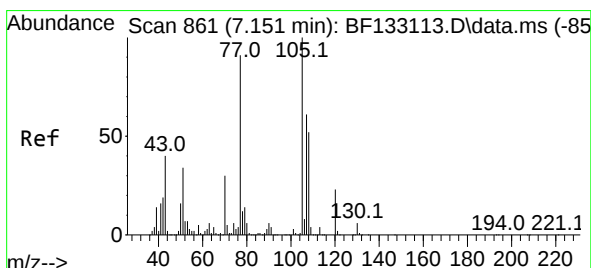
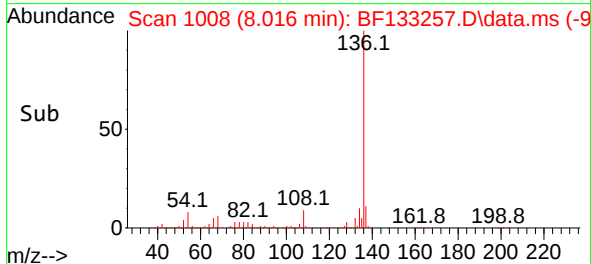
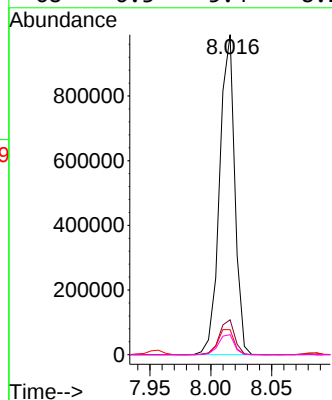
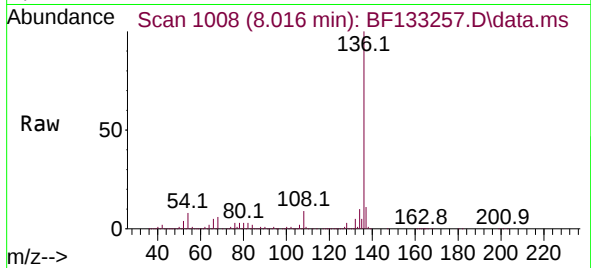
ClientSampleId :

PB152569BS

Tgt Ion:136 Resp: 858564  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.6 13.0  
54 7.8 7.0 10.4  
68 6.3 5.4 8.2

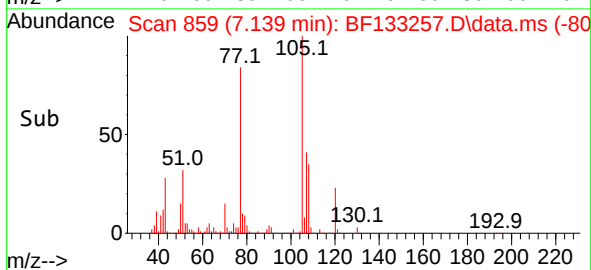
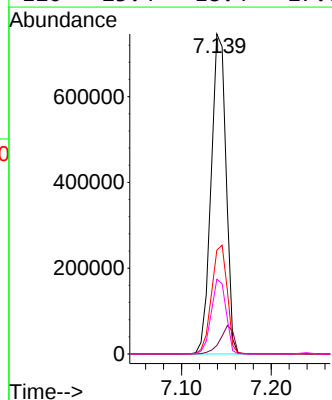
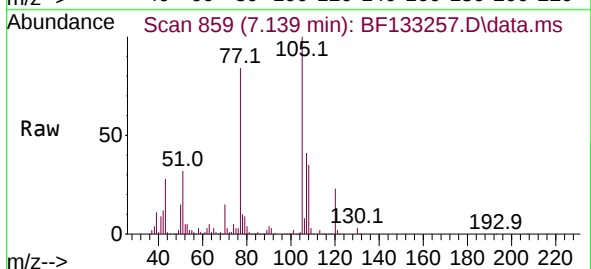
Manual Integrations  
APPROVED

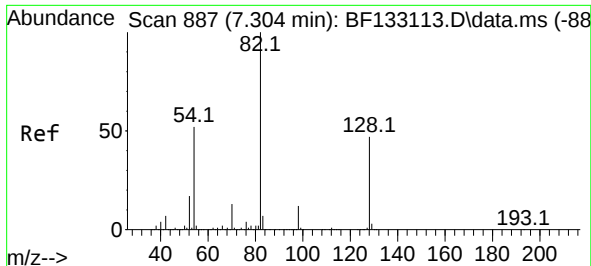
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#22  
Acetophenone  
Concen: 43.368 ng  
RT: 7.139 min Scan# 859  
Delta R.T. -0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:105 Resp: 862511  
Ion Ratio Lower Upper  
105 100  
71 2.7 4.6 7.0#  
51 32.5 28.2 42.2  
120 23.4 18.4 27.6





#23

Nitrobenzene-d5

Concen: 82.977 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion: 82 Resp: 131984

Ion Ratio Lower Upper

82 100

128 48.1 37.7 56.5

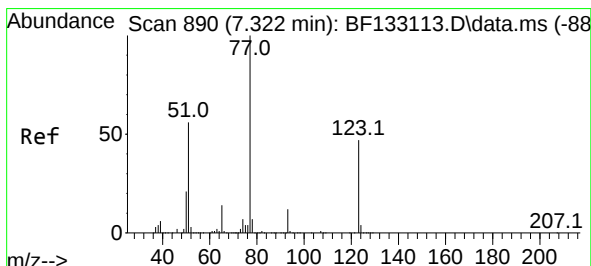
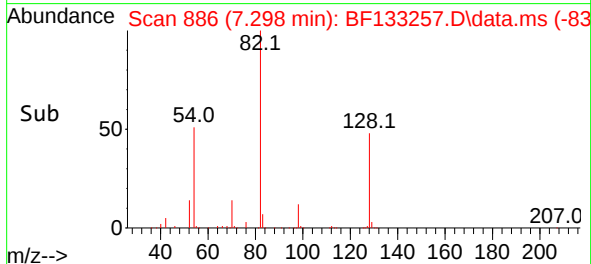
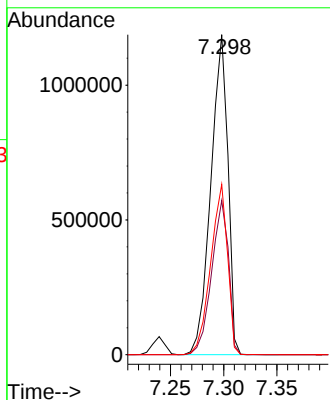
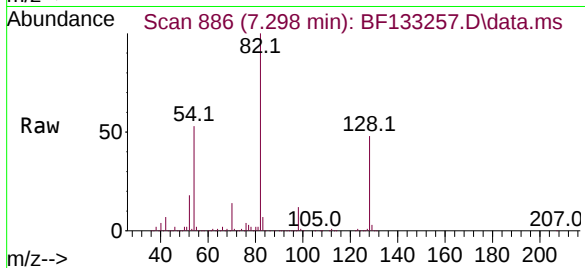
54 53.2 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#24

Nitrobenzene

Concen: 41.077 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

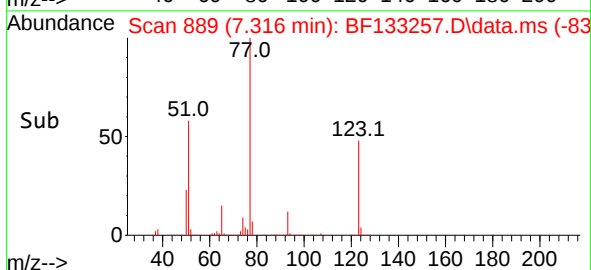
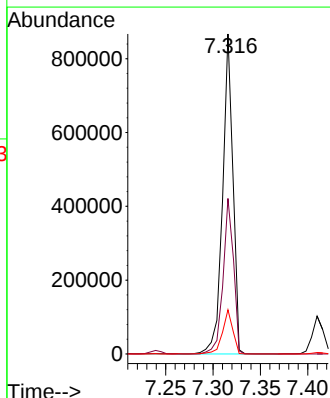
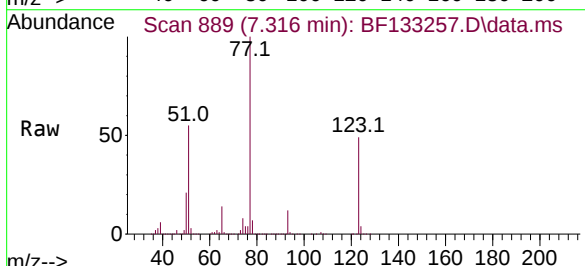
Tgt Ion: 77 Resp: 662090

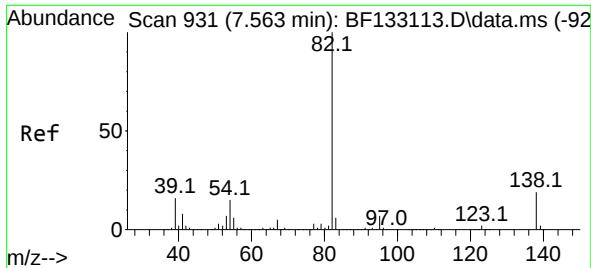
Ion Ratio Lower Upper

77 100

123 48.6 39.9 59.9

65 13.8 10.7 16.1





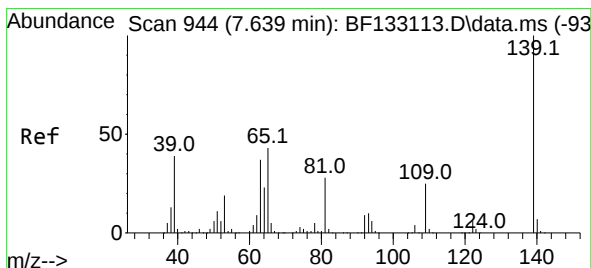
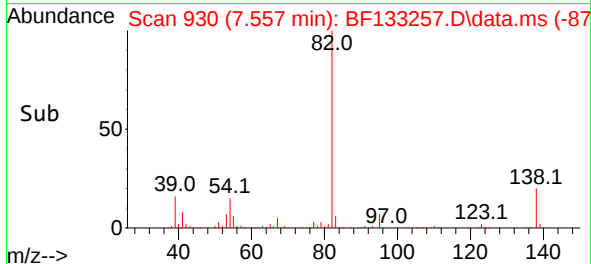
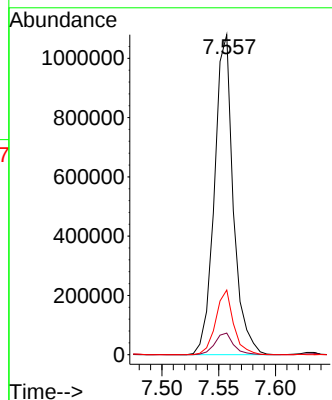
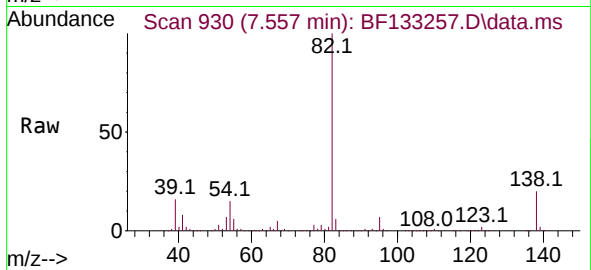
#25  
Isophorone  
Concen: 41.272 ng  
RT: 7.557 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS

Tgt Ion: 82 Resp: 1246410  
Ion Ratio Lower Upper  
82 100  
95 6.7 5.4 8.0  
138 20.2 16.0 24.0

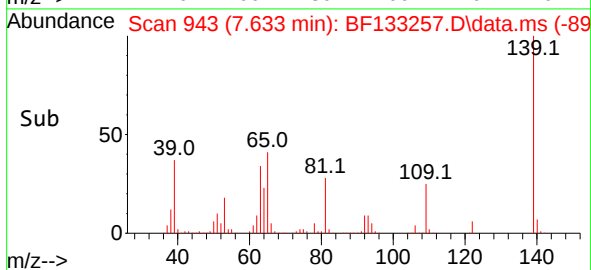
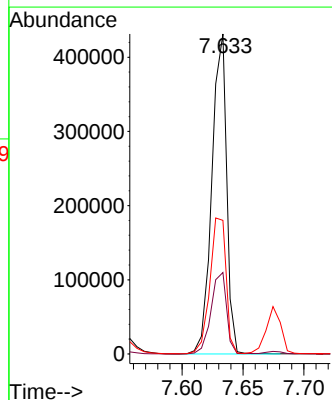
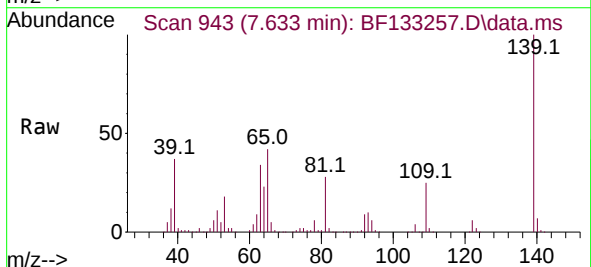
Manual Integrations  
APPROVED

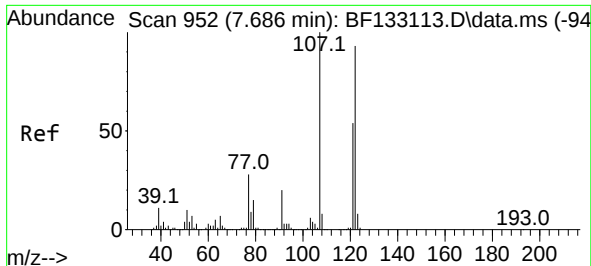
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#26  
2-Nitrophenol  
Concen: 46.854 ng  
RT: 7.633 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:139 Resp: 364251  
Ion Ratio Lower Upper  
139 100  
109 25.5 21.6 32.4  
65 41.8 39.8 59.6





#27

2,4-Dimethylphenol

Concen: 43.757 ng

RT: 7.675 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF133257.D

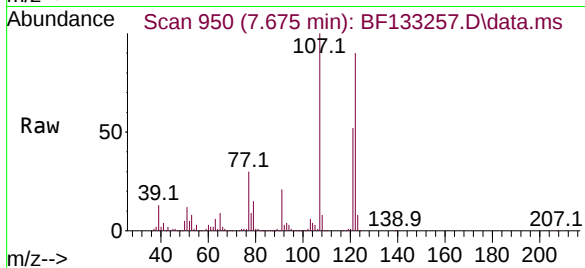
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

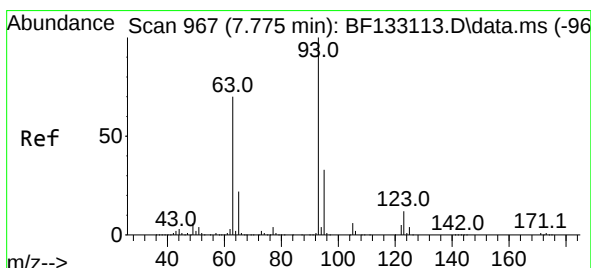
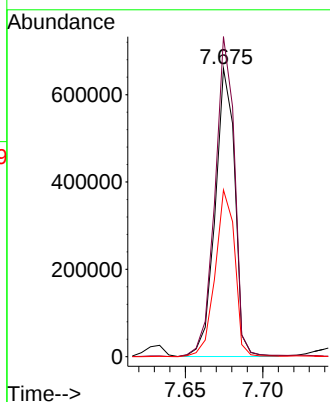
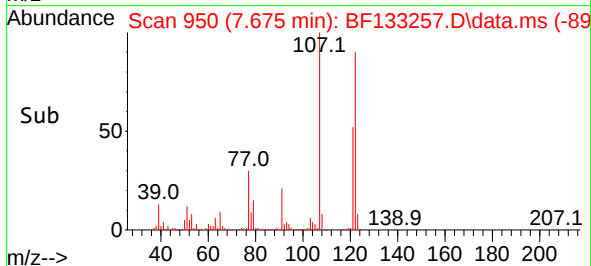


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 122   | Resp: | 58330 |
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 111.1 | 89.7  | 134.5 |
| 121       | 57.9  | 46.0  | 69.0  |

Manual Integrations

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Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#28

bis(2-Chloroethoxy)methane

Concen: 41.641 ng

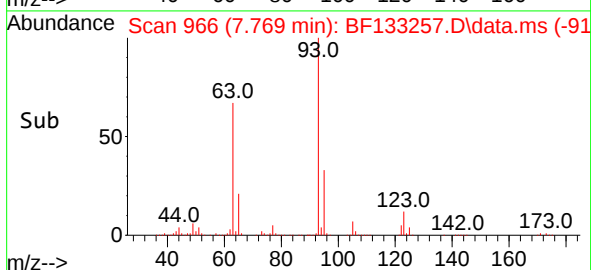
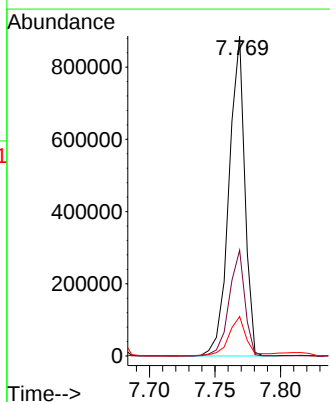
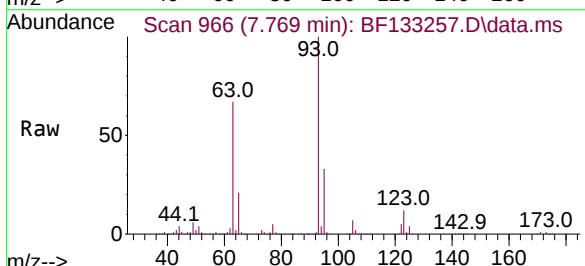
RT: 7.769 min Scan# 966

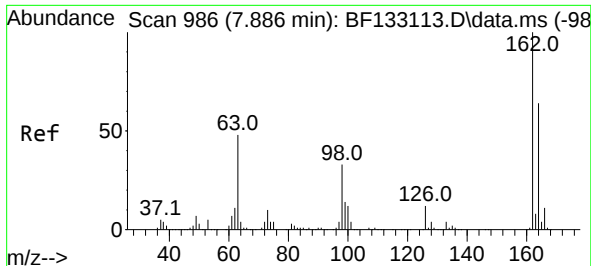
Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 743961 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 33.1  | 26.4  | 39.6   |
| 123       | 12.3  | 10.3  | 15.5   |





#29

2,4-Dichlorophenol

Concen: 44.244 ng

RT: 7.875 min Scan# 984

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

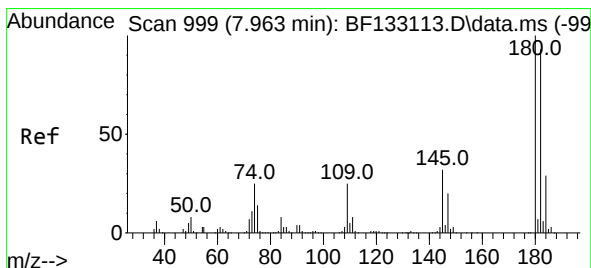
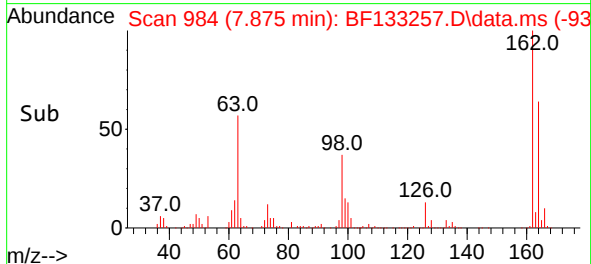
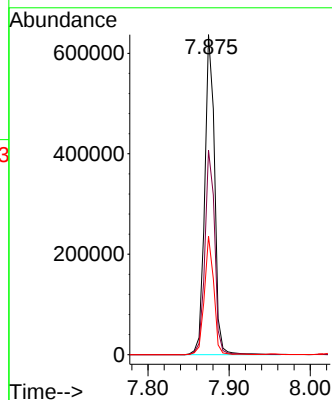
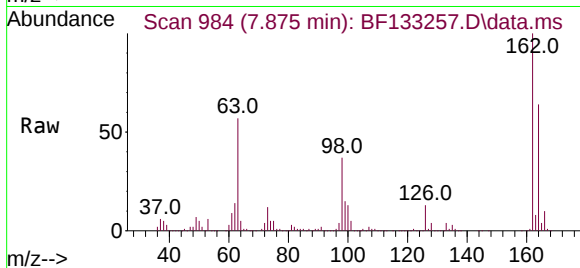
PB152569BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 53692 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 63.9  | 43.9  | 83.9  |
| 98        | 37.1  | 17.0  | 57.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.987 ng

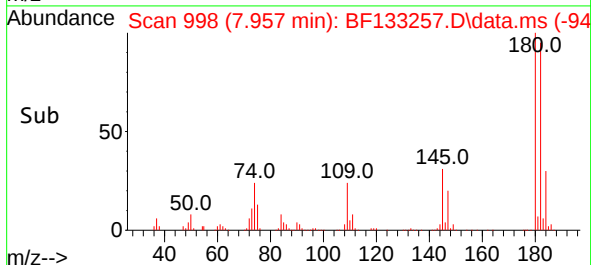
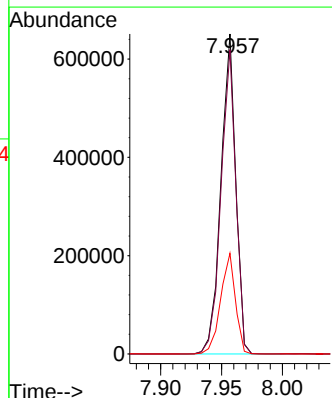
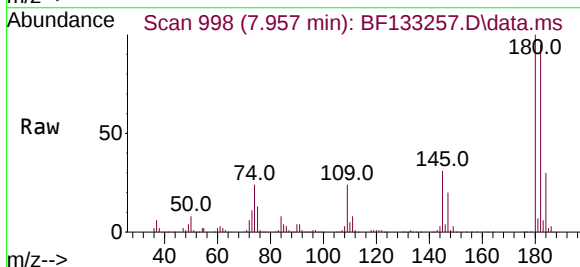
RT: 7.957 min Scan# 998

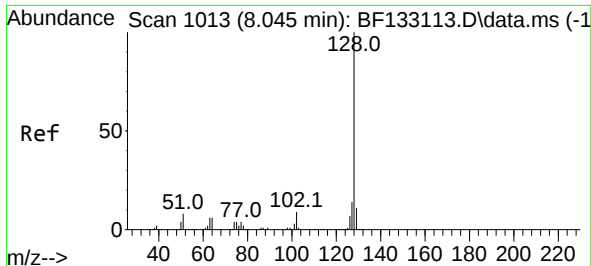
Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

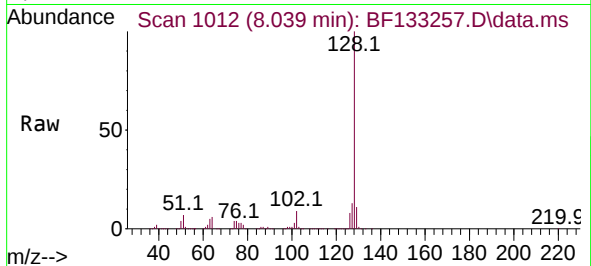
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 553012 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.1  | 75.9  | 113.9  |
| 145       | 31.5  | 25.3  | 37.9   |





#31  
Naphthalene  
Concen: 42.428 ng  
RT: 8.039 min Scan# 1013  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

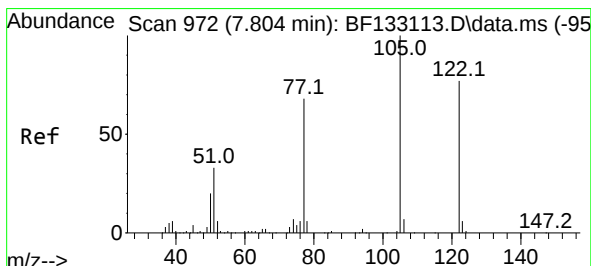
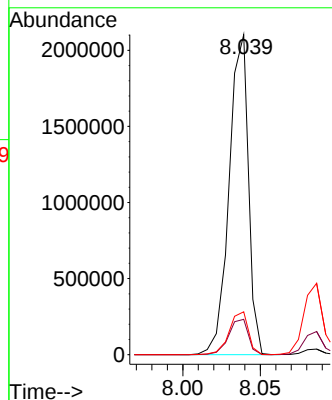
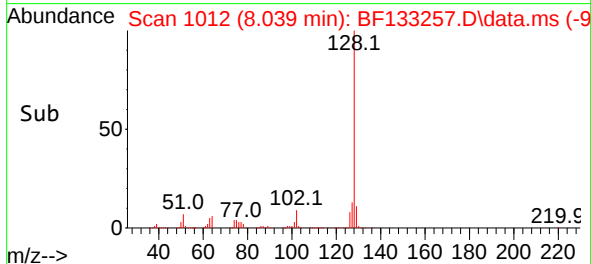
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



Tgt Ion:128 Resp: 182125  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.8 13.2  
127 13.4 10.7 16.1

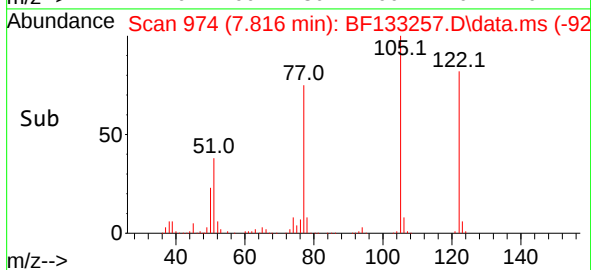
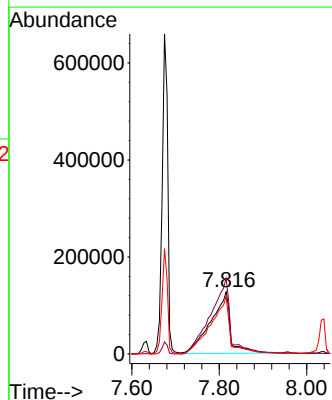
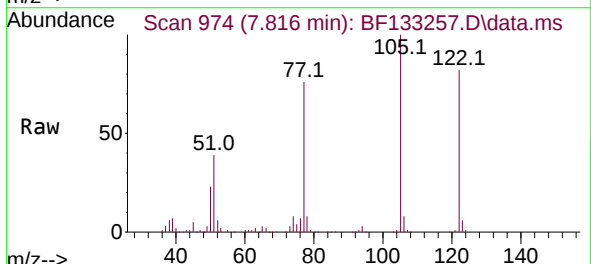
Manual Integrations  
APPROVED

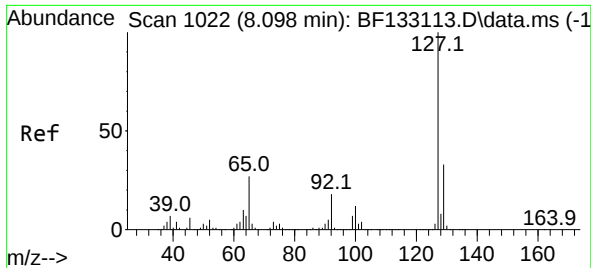
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#32  
Benzoic acid  
Concen: 48.808 ng  
RT: 7.816 min Scan# 974  
Delta R.T. 0.018 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:122 Resp: 401894  
Ion Ratio Lower Upper  
122 100  
105 122.2 104.2 144.2  
77 92.5 69.7 109.7





#33  
4-Chloroaniline  
Concen: 25.451 ng  
RT: 8.086 min Scan# 1020  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

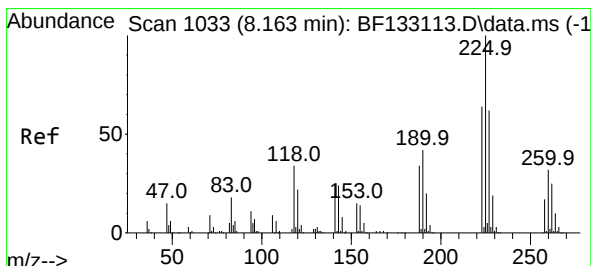
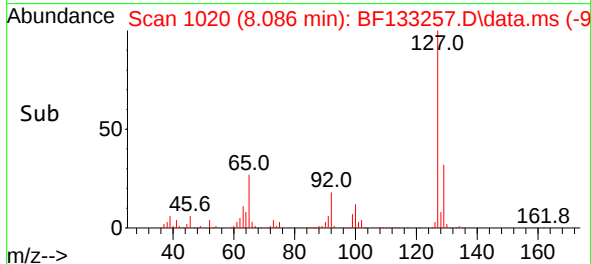
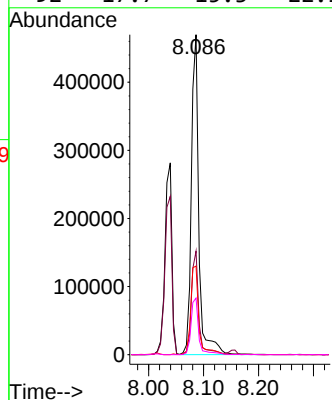
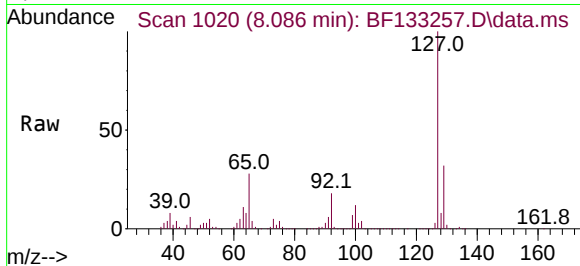
PB152569BS

Tgt Ion:127 Resp: 441400  
Ion Ratio Lower Upper  
127 100  
129 32.4 25.8 38.8  
65 27.7 23.6 35.4  
92 17.7 15.3 22.9

Manual Integrations

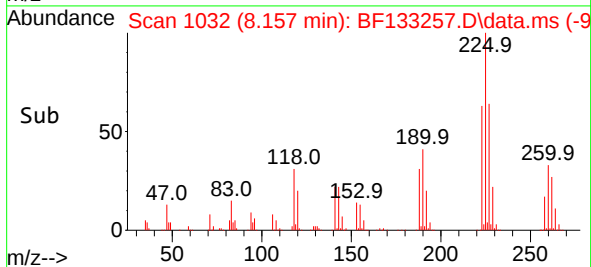
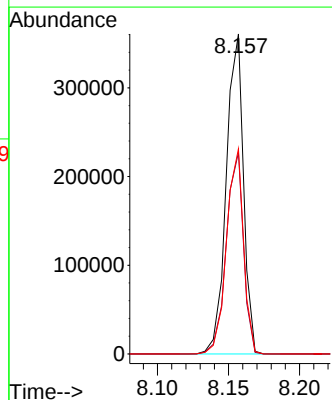
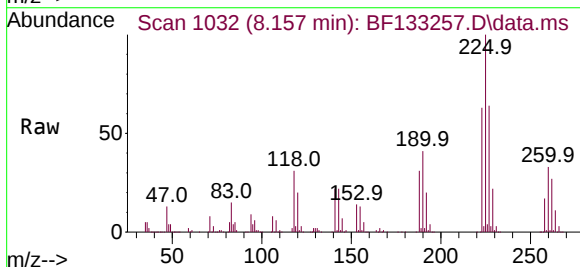
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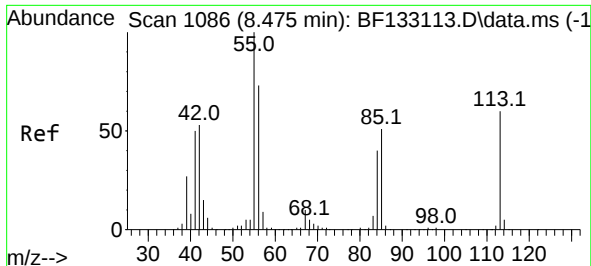
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#34  
Hexachlorobutadiene  
Concen: 43.511 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

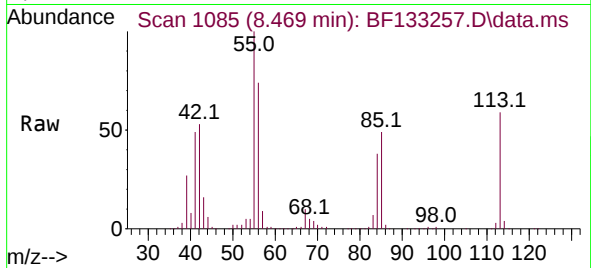
Tgt Ion:225 Resp: 303189  
Ion Ratio Lower Upper  
225 100  
223 62.9 50.9 76.3  
227 64.1 50.3 75.5





#35  
 Caprolactam  
 Concen: 47.845 ng m  
 RT: 8.469 min Scan# 1103  
 Delta R.T. 0.006 min  
 Lab File: BF133257.D  
 Acq: 05 May 2023 11:24

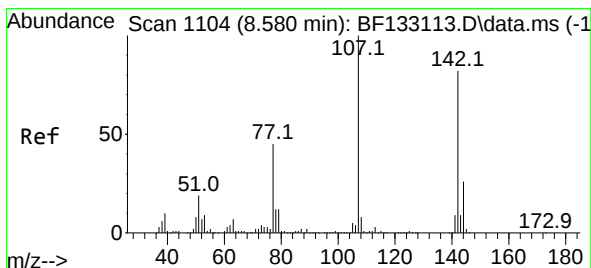
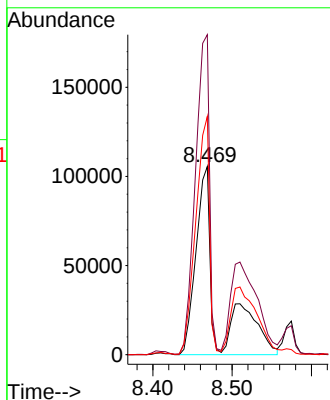
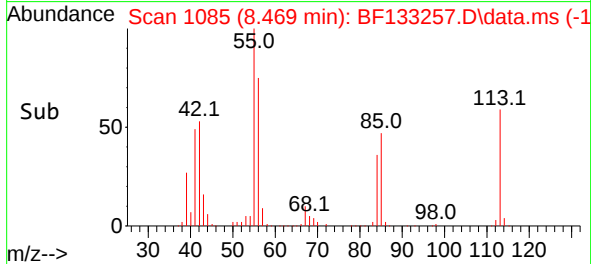
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB152569BS



Tgt Ion:113 Resp: 19505  
 Ion Ratio Lower Upper  
 113 100  
 55 170.1 167.1 207.1  
 56 126.7 114.5 154.5

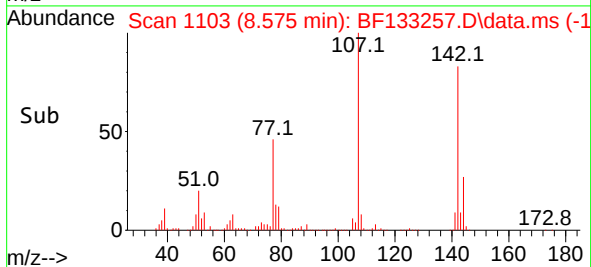
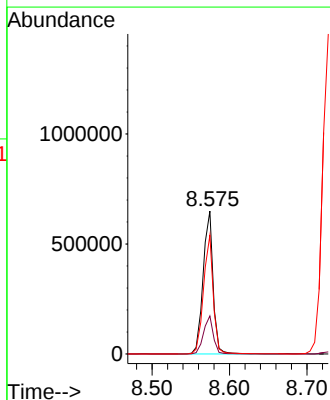
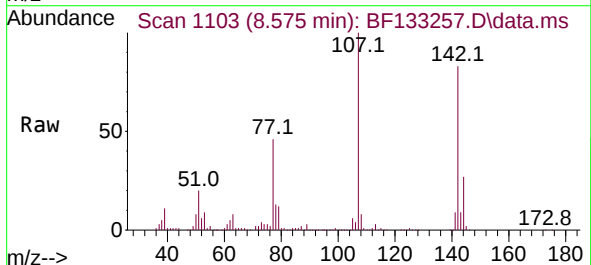
Manual Integrations  
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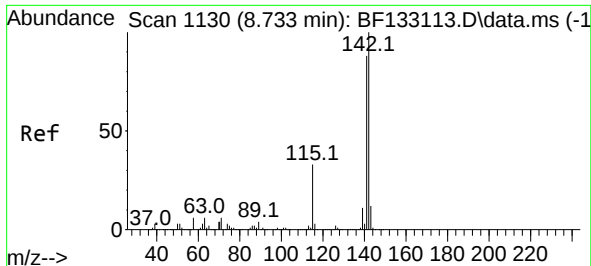
Reviewed By :Christian Giraldo 05/08/2023  
 Supervised By :Jagrut Upadhyay 05/08/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.344 ng  
 RT: 8.575 min Scan# 1103  
 Delta R.T. 0.006 min  
 Lab File: BF133257.D  
 Acq: 05 May 2023 11:24

Tgt Ion:107 Resp: 580317  
 Ion Ratio Lower Upper  
 107 100  
 144 26.7 20.6 30.8  
 142 83.2 62.8 94.2





#37  
2-Methylnaphthalene  
Concen: 40.423 ng  
RT: 8.727 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

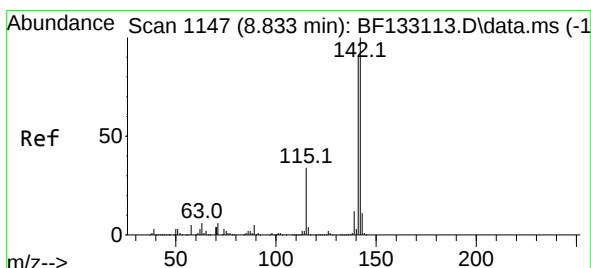
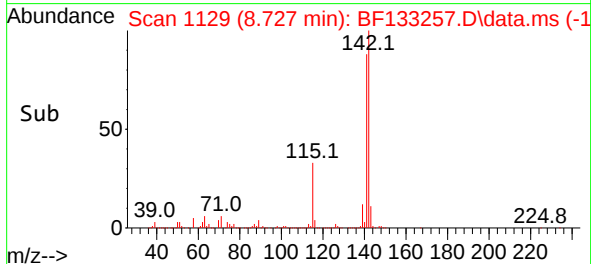
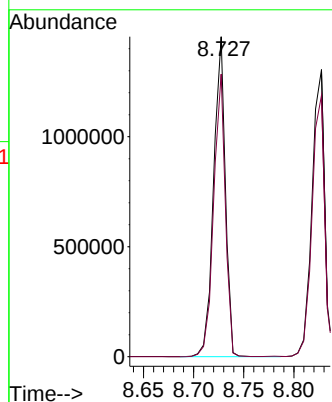
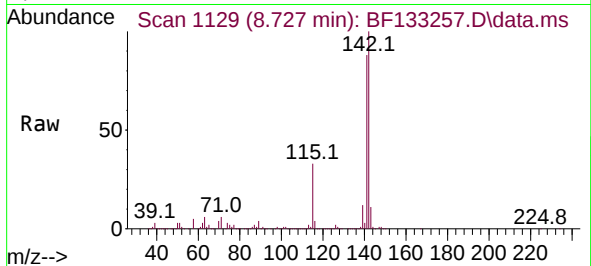
ClientSampleId :

PB152569BS

Tgt Ion:142 Resp: 118630  
Ion Ratio Lower Upper  
142 100  
141 88.3 69.4 104.0

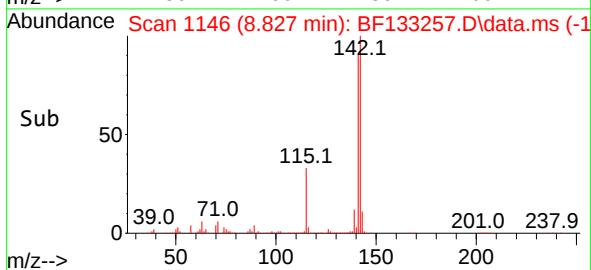
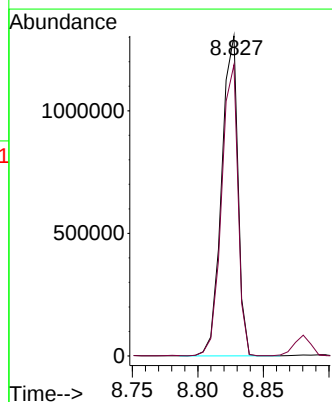
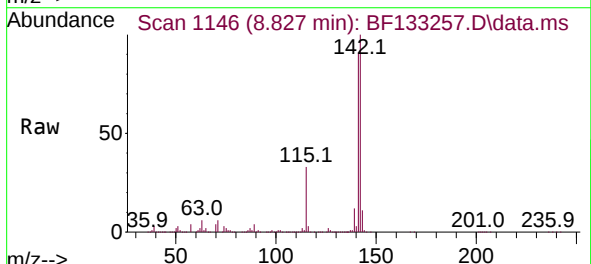
Manual Integrations  
APPROVED

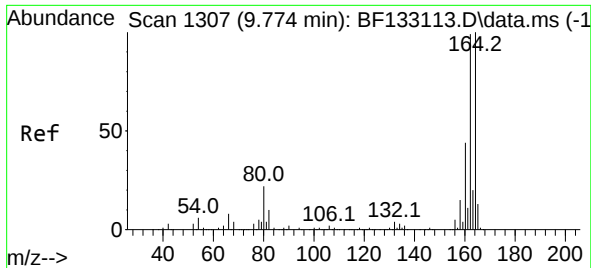
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#38  
1-Methylnaphthalene  
Concen: 41.145 ng  
RT: 8.827 min Scan# 1146  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

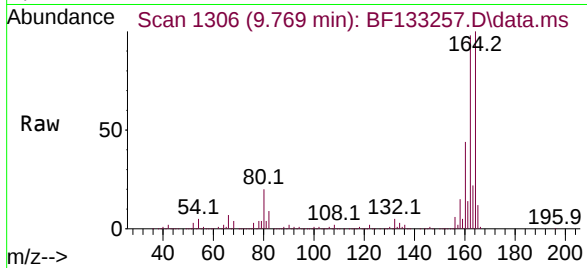
Tgt Ion:142 Resp: 1129580  
Ion Ratio Lower Upper  
142 100  
141 91.0 73.1 109.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.769 min Scan# 1157  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

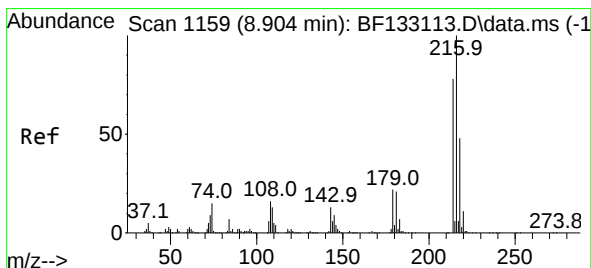
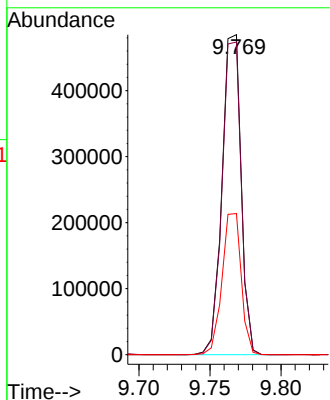
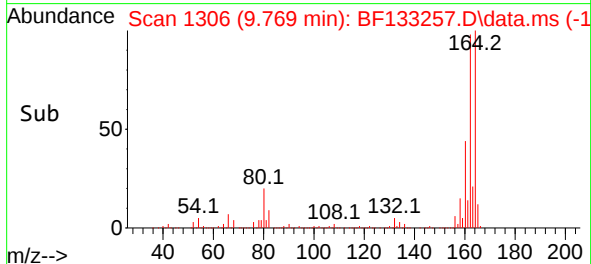
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ClientSampleId :  
PB152569BS



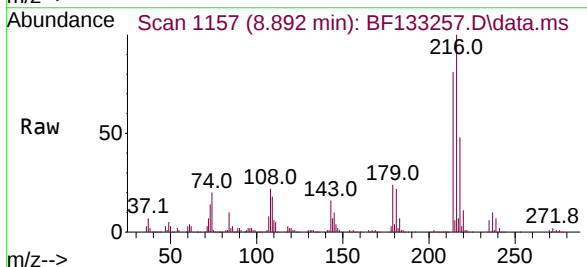
Tgt Ion:164 Resp: 452188  
Ion Ratio Lower Upper  
164 100  
162 97.7 78.7 118.1  
160 44.1 35.8 53.6

Manual Integrations  
APPROVED

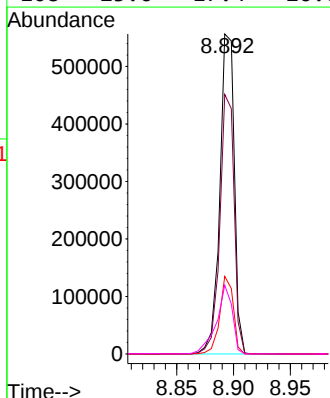
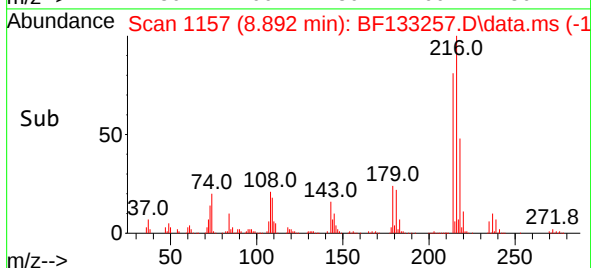
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.791 ng  
RT: 8.892 min Scan# 1157  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



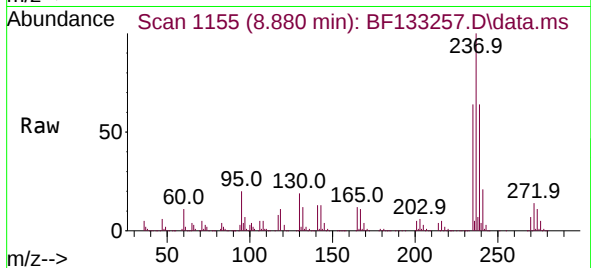
Tgt Ion:216 Resp: 495945  
Ion Ratio Lower Upper  
216 100  
214 79.8 63.5 95.3  
179 22.6 17.4 26.2  
108 23.6 17.4 26.0





#41  
Hexachlorocyclopentadiene  
Concen: 84.704 ng  
RT: 8.880 min Scan# 1155  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

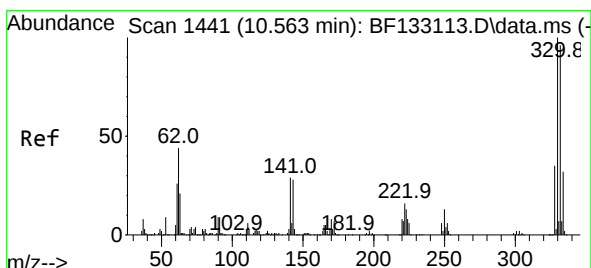
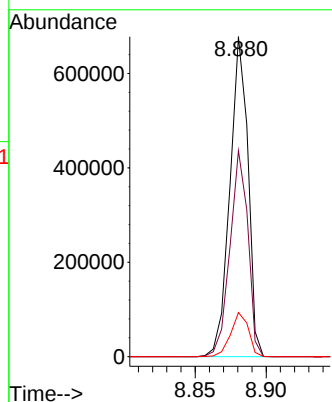
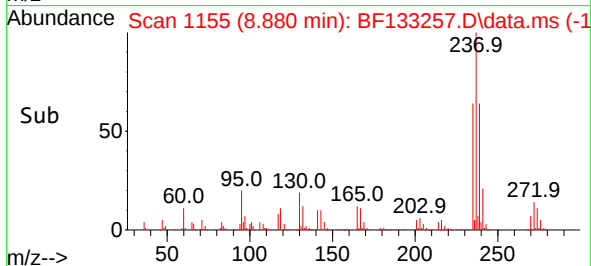
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



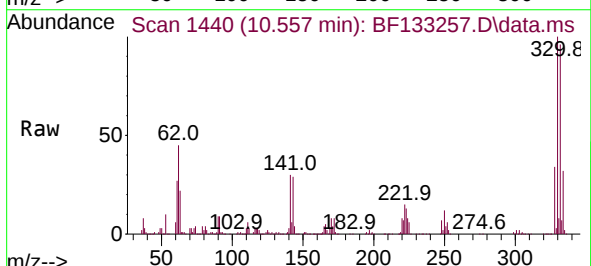
Tgt Ion:237 Resp: 600607  
Ion Ratio Lower Upper  
237 100  
235 64.4 43.5 83.5  
272 13.8 0.0 32.7

Manual Integrations  
APPROVED

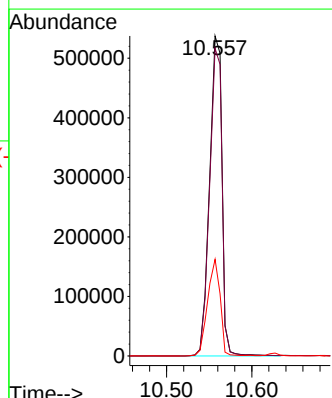
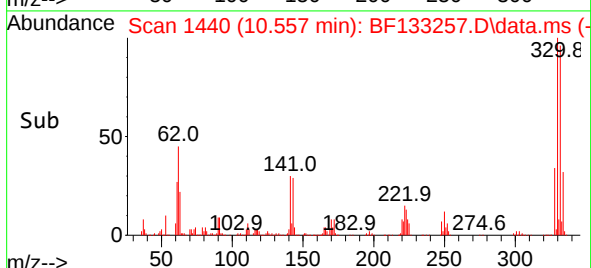
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

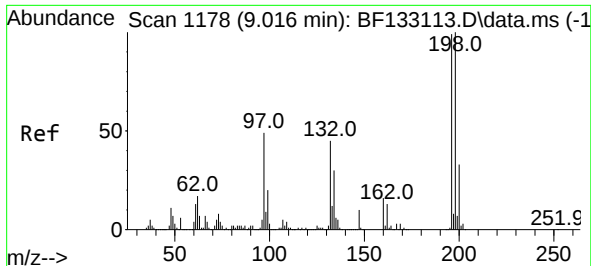


#42  
2,4,6-Tribromophenol  
Concen: 119.918 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:330 Resp: 545339  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.1 115.7  
141 30.6 25.8 38.8





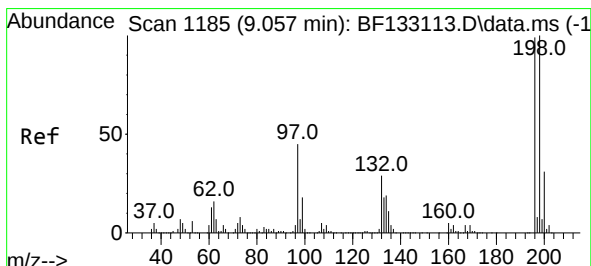
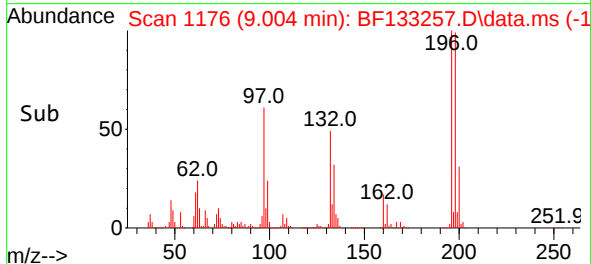
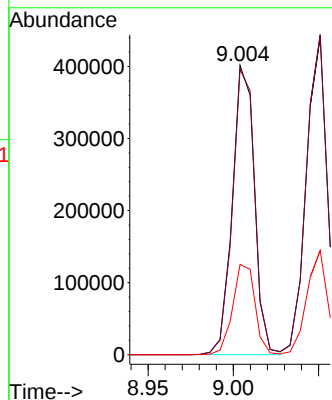
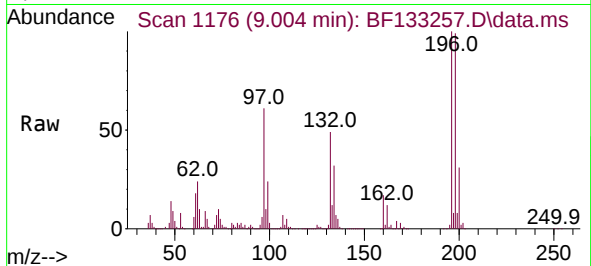
#43  
2,4,6-Trichlorophenol  
Concen: 43.117 ng  
RT: 9.004 min Scan# 1176  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS

Tgt Ion:196 Resp: 36253  
Ion Ratio Lower Upper  
196 100  
198 98.7 81.0 121.6  
200 31.2 26.1 39.1

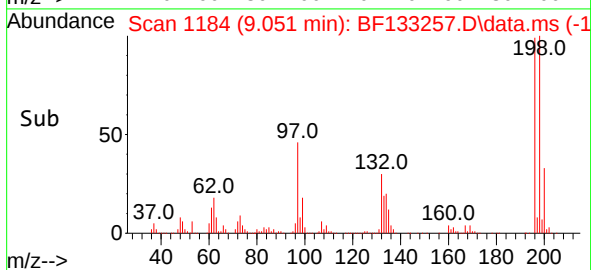
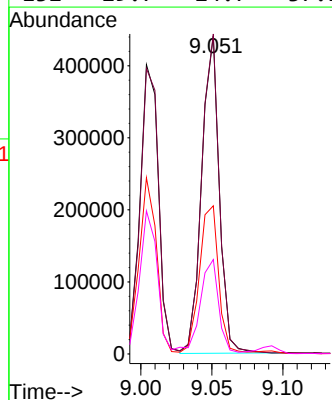
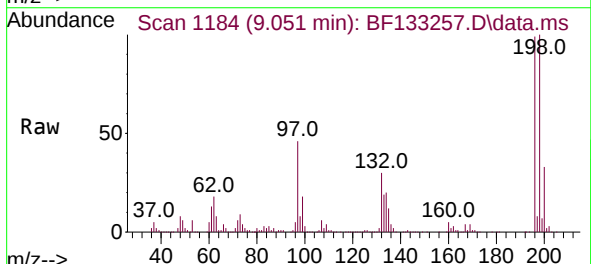
Manual Integrations  
APPROVED

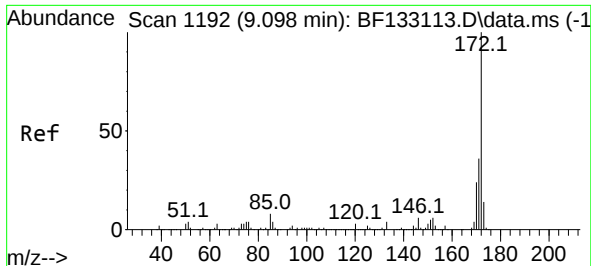
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#44  
2,4,5-Trichlorophenol  
Concen: 39.203 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:196 Resp: 381224  
Ion Ratio Lower Upper  
196 100  
198 100.6 80.9 121.3  
97 46.6 41.3 61.9  
132 29.7 24.7 37.1





#45  
2-Fluorobiphenyl  
Concen: 80.137 ng  
RT: 9.092 min Scan# 1192  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

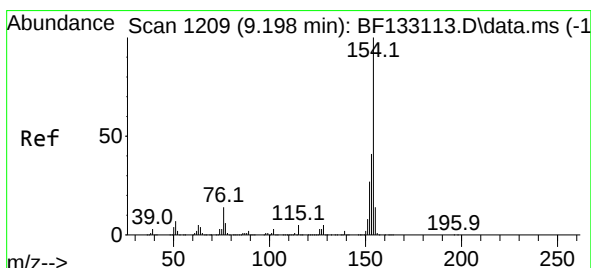
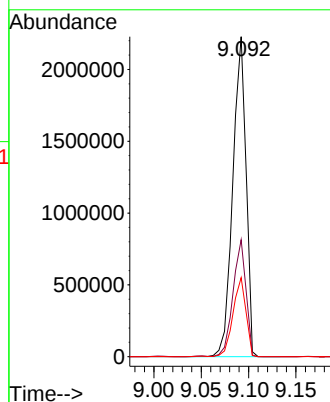
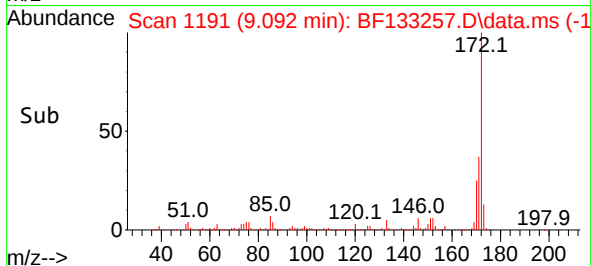
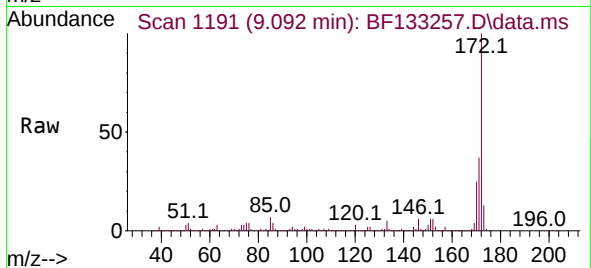
PB152569BS

Tgt Ion:172 Resp: 216598  
Ion Ratio Lower Upper  
172 100  
171 36.6 28.8 43.2  
170 24.7 19.4 29.2

Manual Integrations

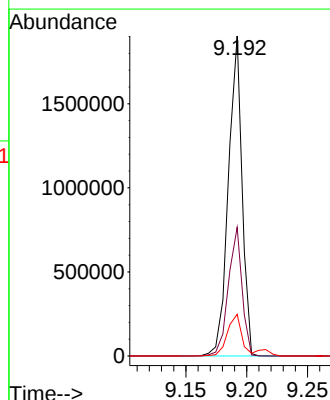
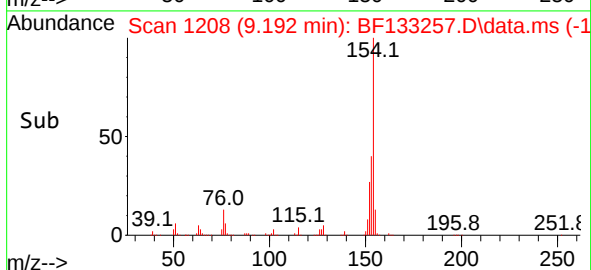
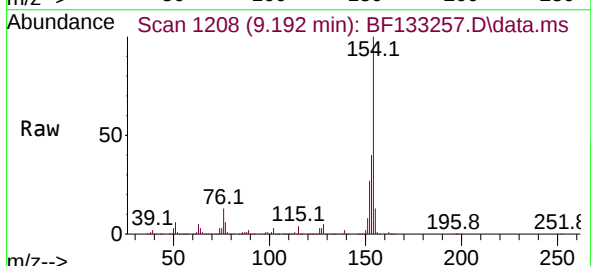
APPROVED

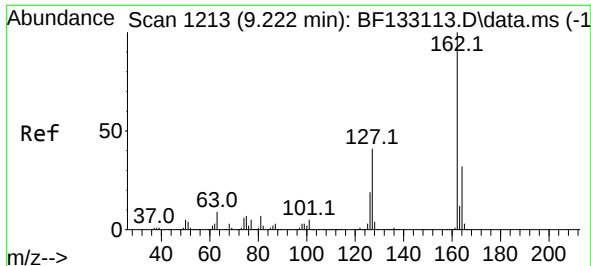
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#46  
1,1'-Biphenyl  
Concen: 41.450 ng  
RT: 9.192 min Scan# 1208  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:154 Resp: 1486249  
Ion Ratio Lower Upper  
154 100  
153 40.2 21.0 61.0  
76 13.0 0.0 34.5





#47

2-Chloronaphthalene

Concen: 42.724 ng

RT: 9.216 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion:162 Resp: 112127

Ion Ratio Lower Upper

162 100

127 40.5 32.3 48.5

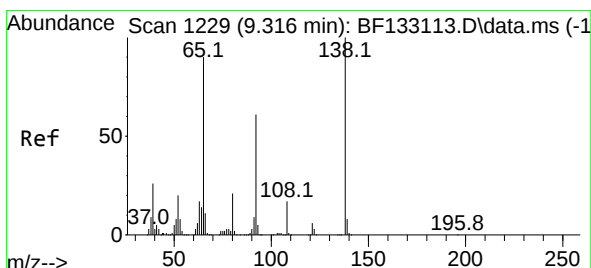
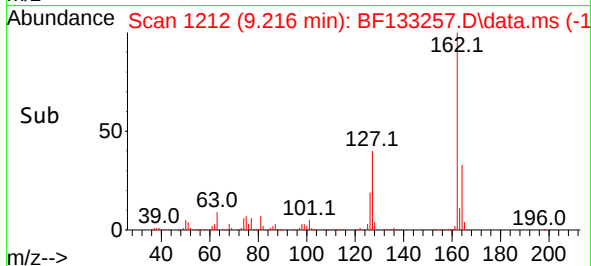
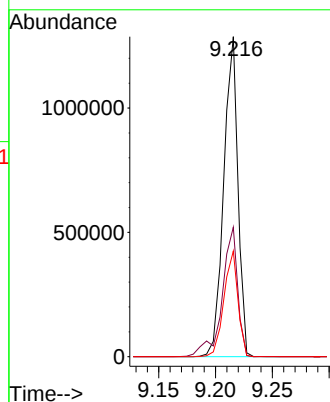
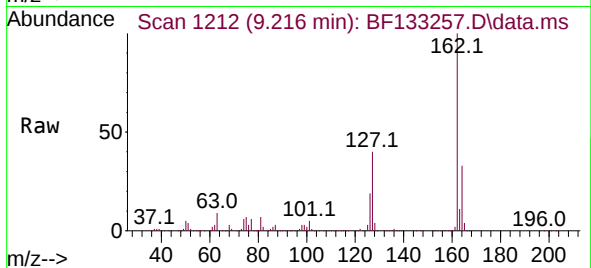
164 33.0 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#48

2-Nitroaniline

Concen: 42.938 ng

RT: 9.310 min Scan# 1228

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

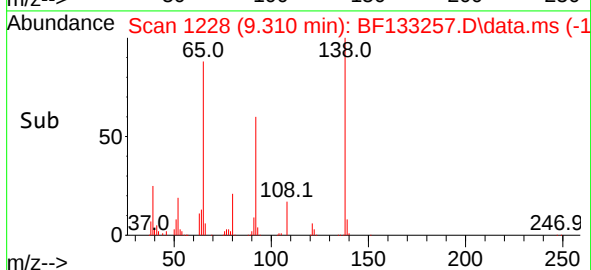
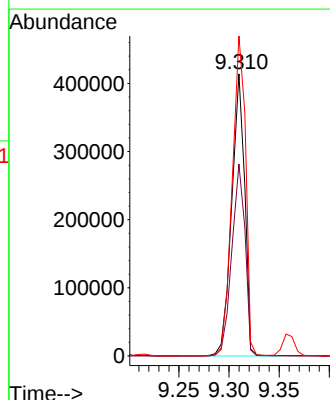
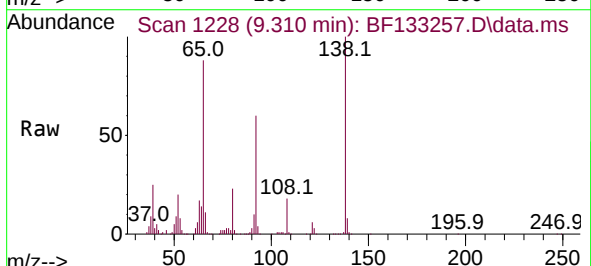
Tgt Ion: 65 Resp: 372433

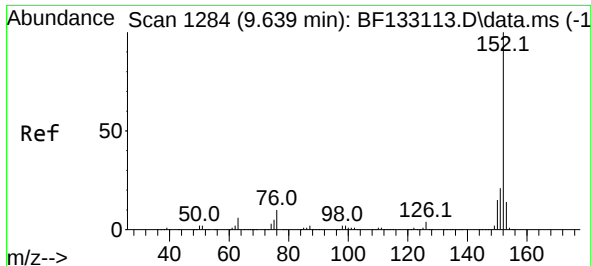
Ion Ratio Lower Upper

65 100

92 68.0 55.4 83.0

138 113.5 98.2 147.2





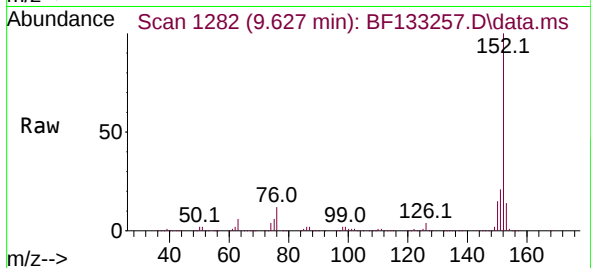
#49  
Acenaphthylene  
Concen: 41.553 ng  
RT: 9.627 min Scan# 1282  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

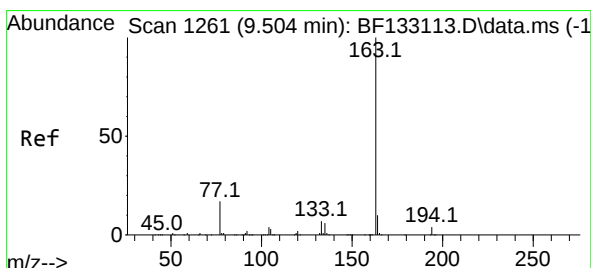
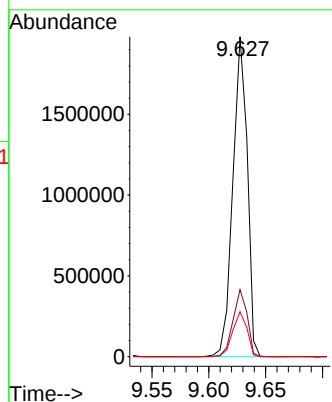
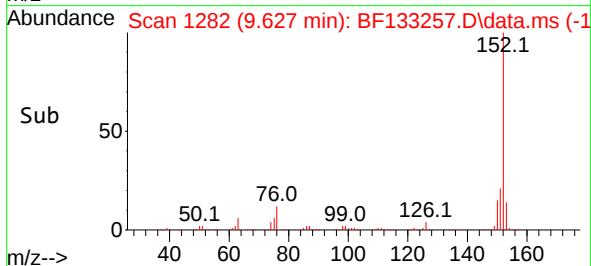


Tgt Ion:152 Resp: 1742538  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.6 24.8  
153 14.0 11.5 17.3

Manual Integrations

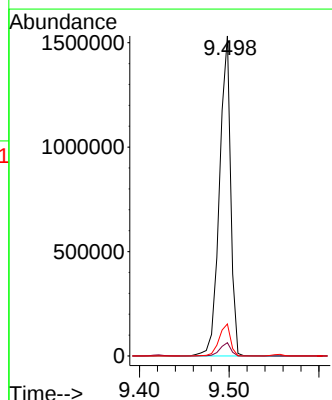
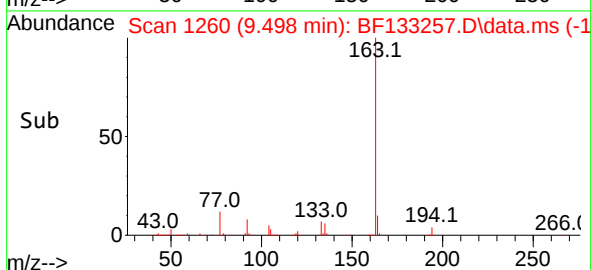
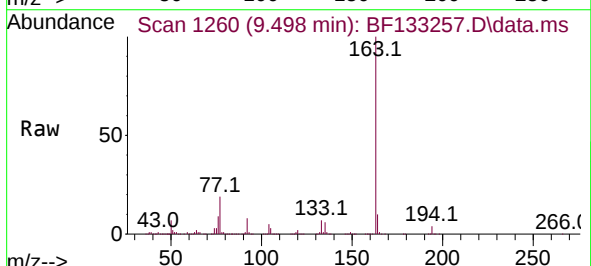
APPROVED

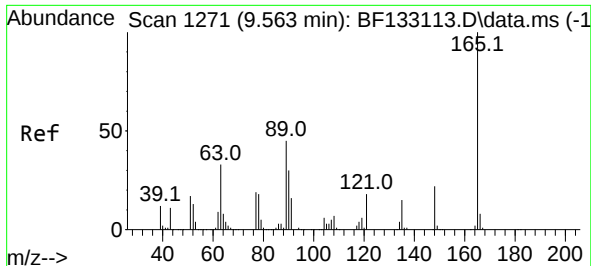
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#50  
Dimethylphthalate  
Concen: 41.894 ng  
RT: 9.498 min Scan# 1260  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:163 Resp: 1320934  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.1 4.7  
164 10.0 8.5 12.7





#51  
2,6-Dinitrotoluene  
Concen: 43.831 ng  
RT: 9.557 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

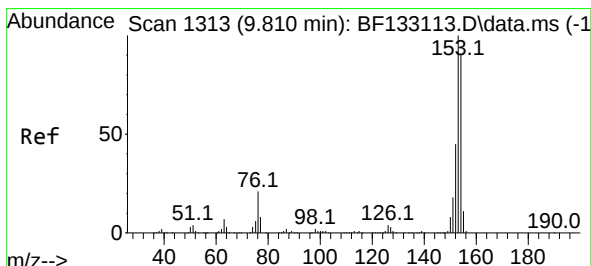
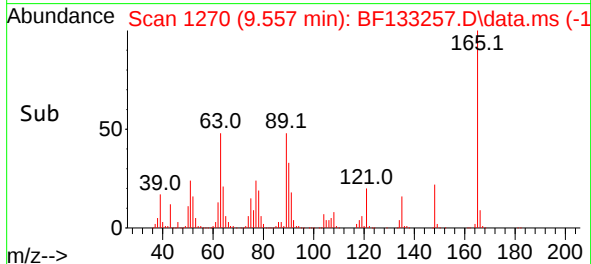
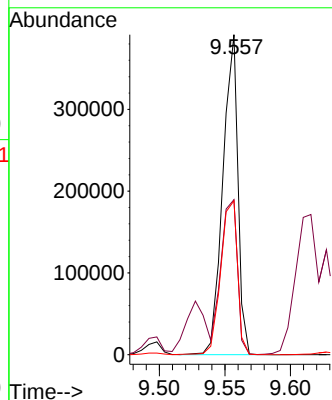
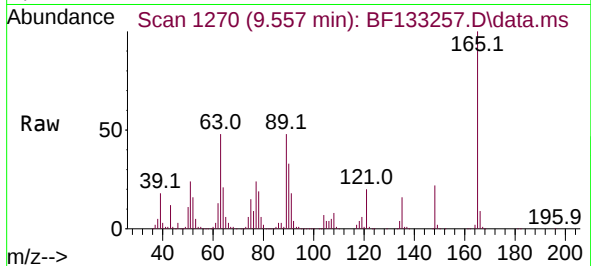
PB152569BS

Tgt Ion:165 Resp: 31105  
Ion Ratio Lower Upper  
165 100  
63 48.4 45.9 68.9  
89 48.1 44.0 66.0

Manual Integrations

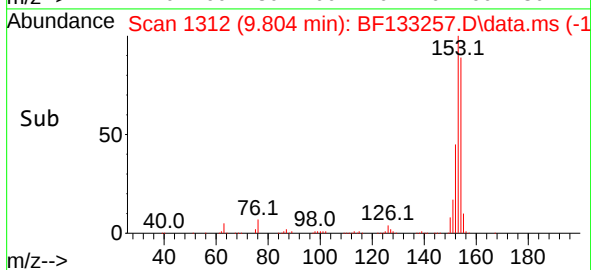
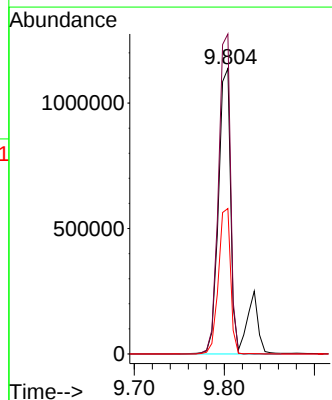
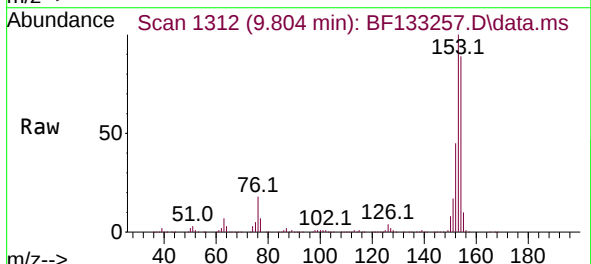
APPROVED

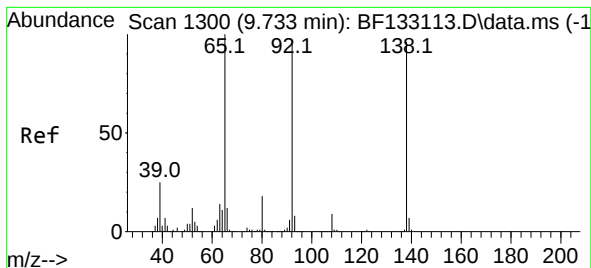
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#52  
Acenaphthene  
Concen: 45.276 ng m  
RT: 9.804 min Scan# 1312  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:154 Resp: 1271612  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.0 133.6  
152 51.0 40.4 60.6





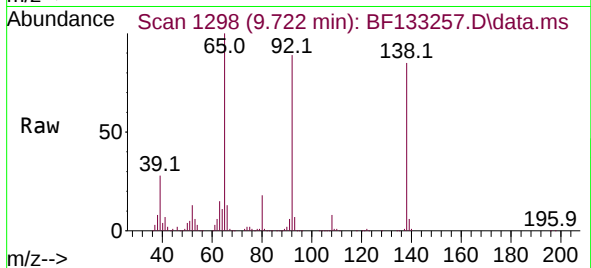
#53  
3-Nitroaniline  
Concen: 32.641 ng  
RT: 9.722 min Scan# 1298  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

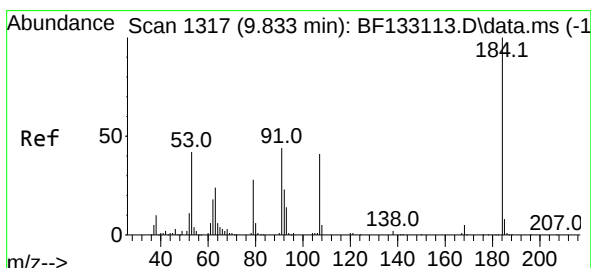
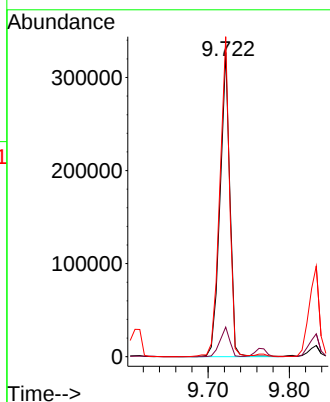
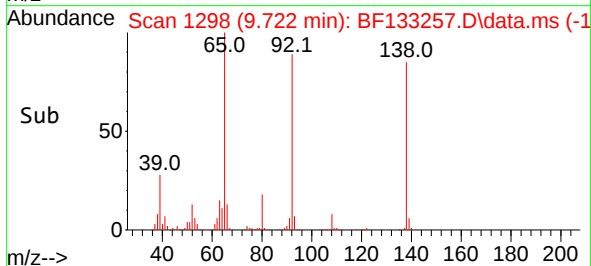


Tgt Ion:138 Resp: 27542  
Ion Ratio Lower Upper  
138 100  
108 9.7 8.0 12.0  
92 105.1 83.6 125.4

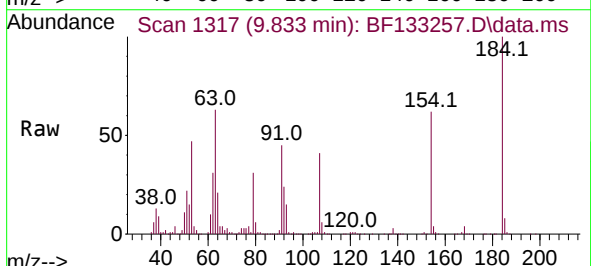
Manual Integrations

APPROVED

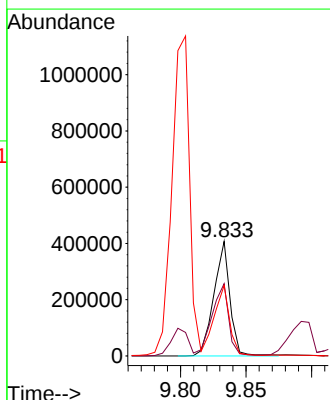
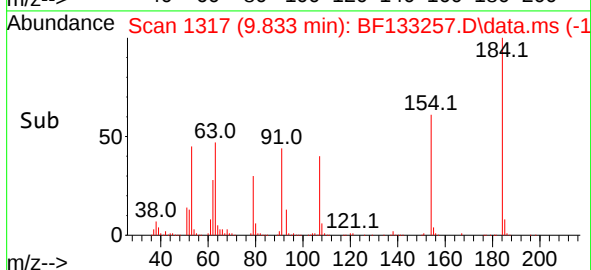
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

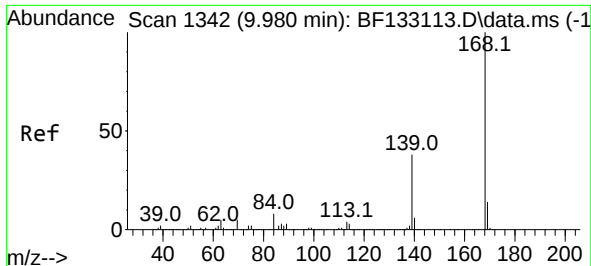


#54  
2,4-Dinitrophenol  
Concen: 97.566 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



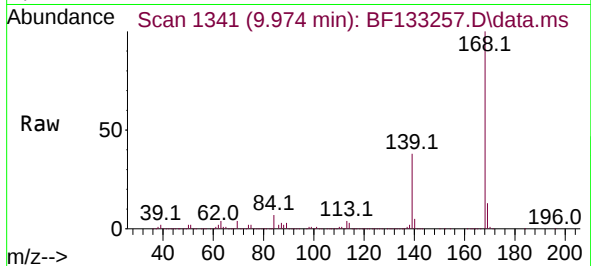
Tgt Ion:184 Resp: 348029  
Ion Ratio Lower Upper  
184 100  
63 63.2 49.8 74.8  
154 61.5 49.5 74.3





#55  
Dibenzenofuran  
Concen: 39.973 ng  
RT: 9.974 min Scan# 1341  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

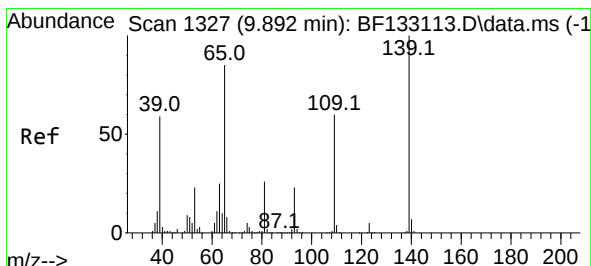
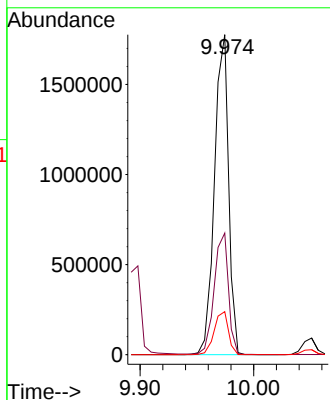
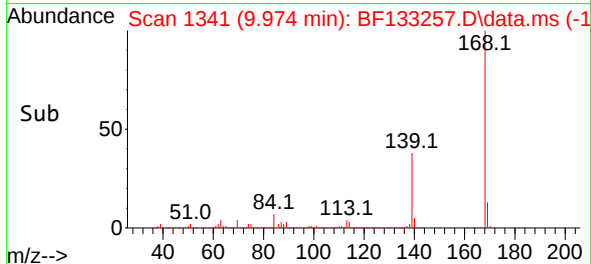
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



Tgt Ion:168 Resp: 153143  
Ion Ratio Lower Upper  
168 100  
139 38.0 29.8 44.8  
169 13.4 10.8 16.2

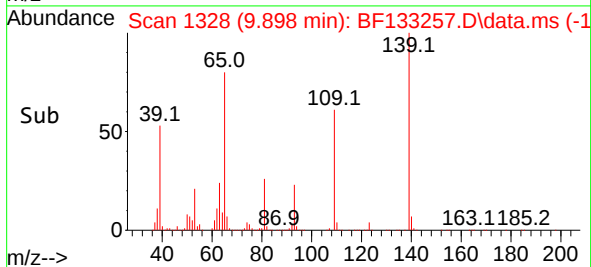
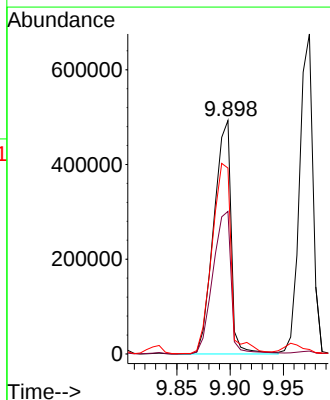
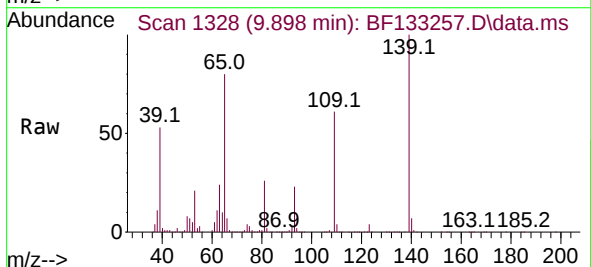
Manual Integrations  
APPROVED

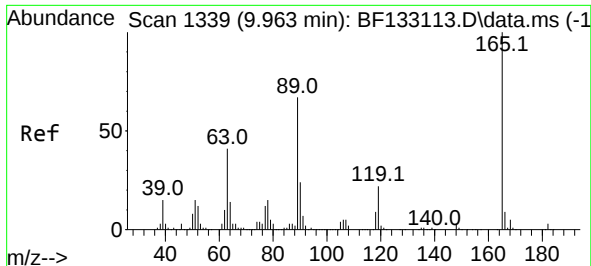
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#56  
4-Nitrophenol  
Concen: 85.507 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.012 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:139 Resp: 558824  
Ion Ratio Lower Upper  
139 100  
109 61.1 39.4 79.4  
65 79.6 57.5 97.5





#57  
2,4-Dinitrotoluene  
Concen: 45.149 ng  
RT: 9.957 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

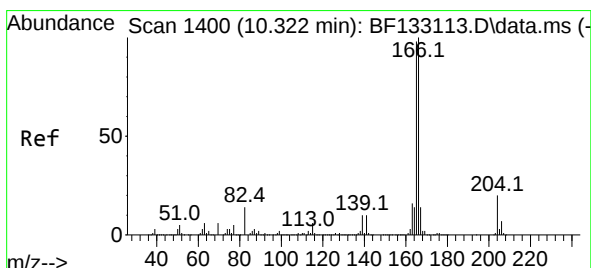
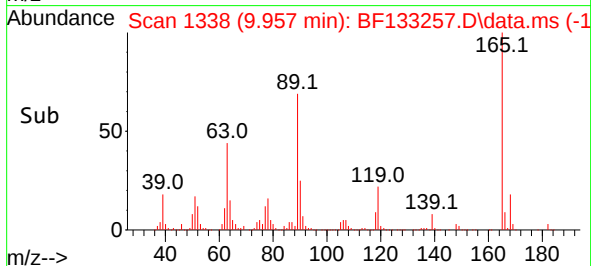
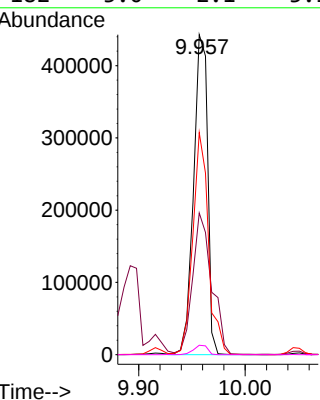
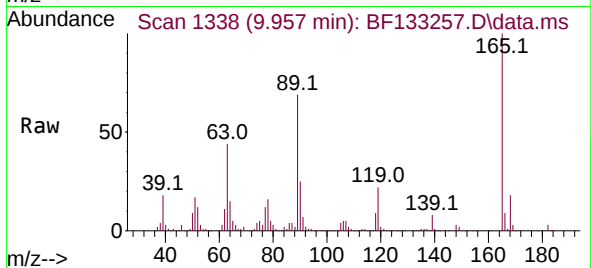
PB152569BS

Tgt Ion:165 Resp: 40860  
Ion Ratio Lower Upper  
165 100  
63 44.3 37.7 56.5  
89 69.4 57.0 85.4  
182 3.0 2.1 3.1

Manual Integrations

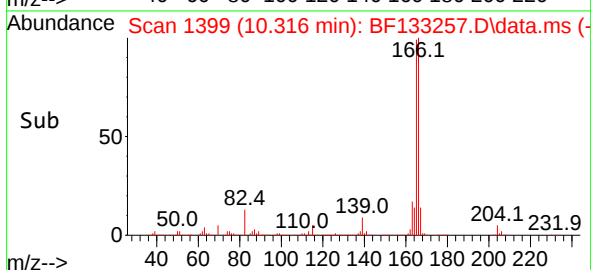
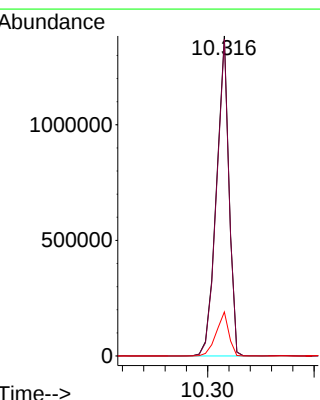
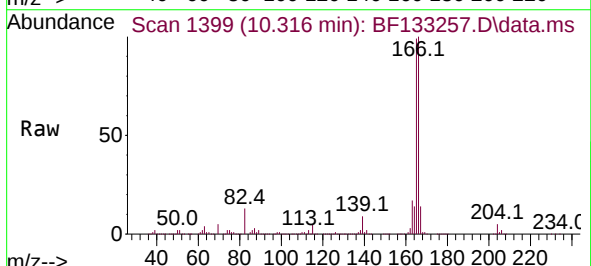
APPROVED

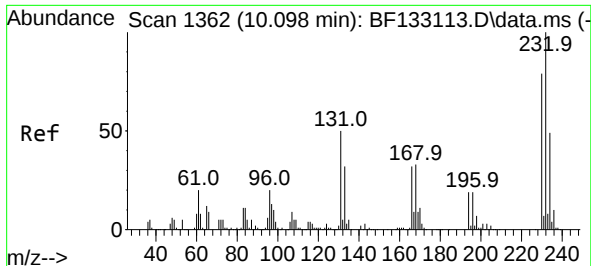
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#58  
Fluorene  
Concen: 40.185 ng  
RT: 10.316 min Scan# 1399  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

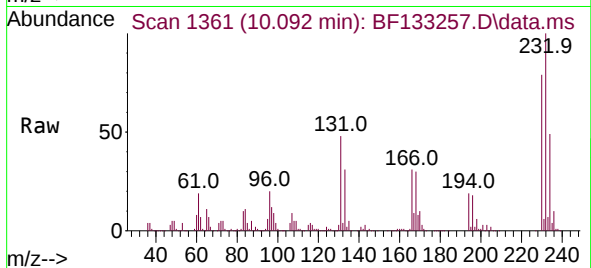
Tgt Ion:166 Resp: 1127954  
Ion Ratio Lower Upper  
166 100  
165 98.9 78.6 117.8  
167 13.7 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.612 ng  
RT: 10.092 min Scan# 1361  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

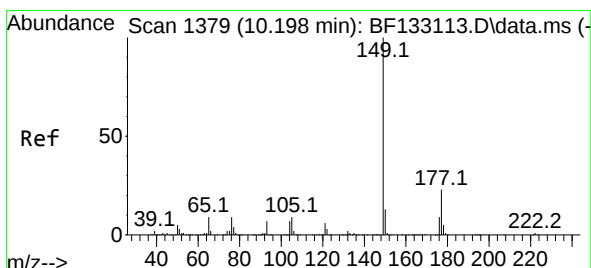
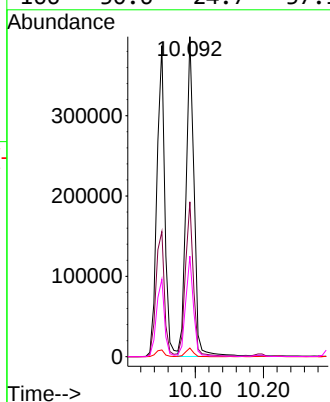
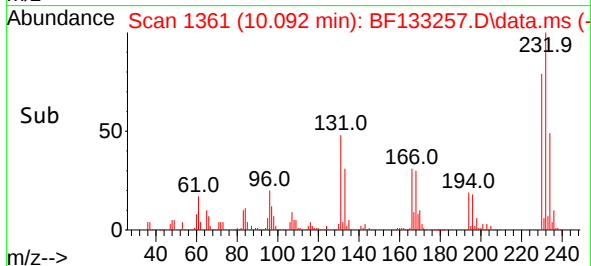
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



Tgt Ion:232 Resp: 321244  
Ion Ratio Lower Upper  
232 100  
131 48.1 38.0 57.0  
130 2.6 1.8 2.8  
166 30.6 24.7 37.1

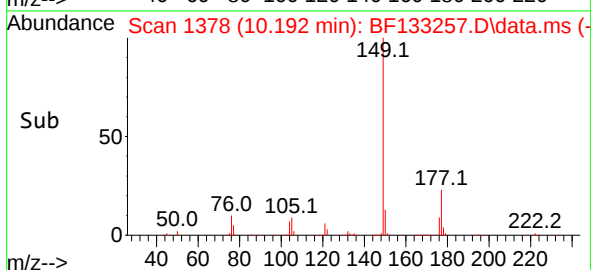
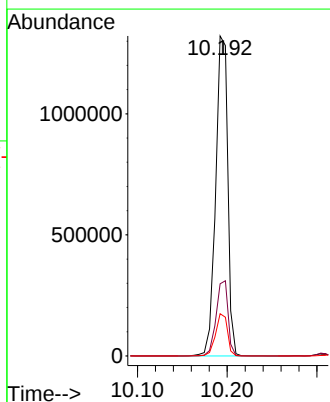
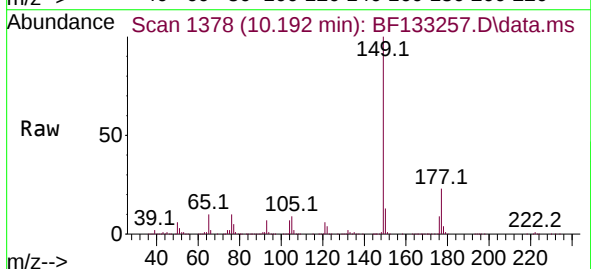
Manual Integrations  
APPROVED

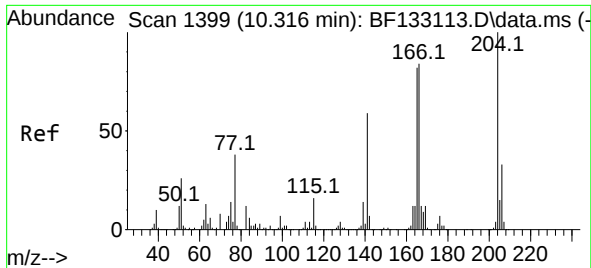
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#60  
Diethylphthalate  
Concen: 41.545 ng  
RT: 10.192 min Scan# 1378  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

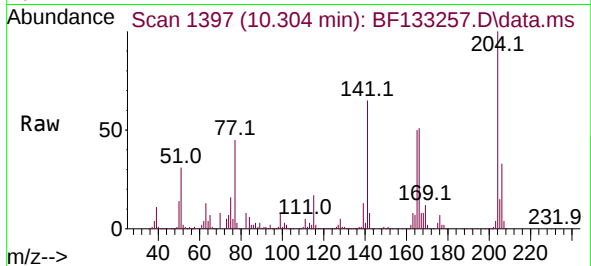
Tgt Ion:149 Resp: 1237296  
Ion Ratio Lower Upper  
149 100  
177 22.5 18.2 27.4  
150 13.2 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 39.437 ng  
RT: 10.304 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

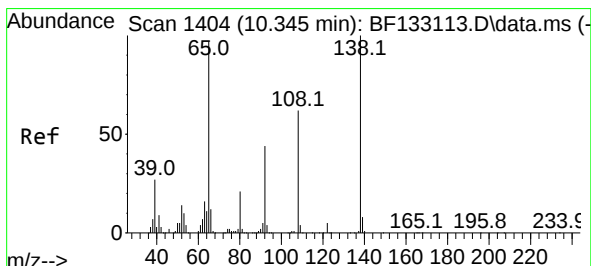
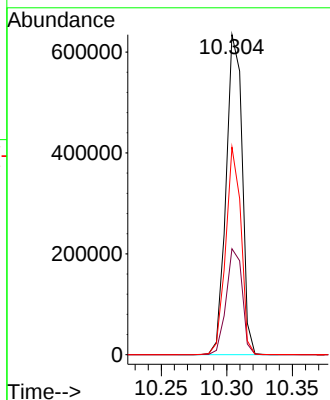
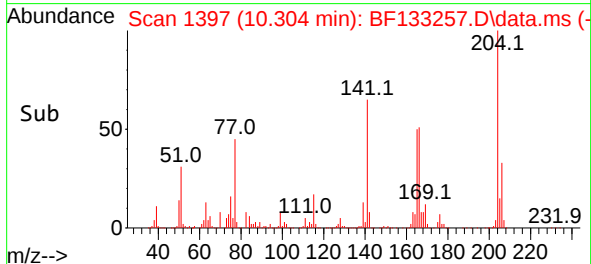
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



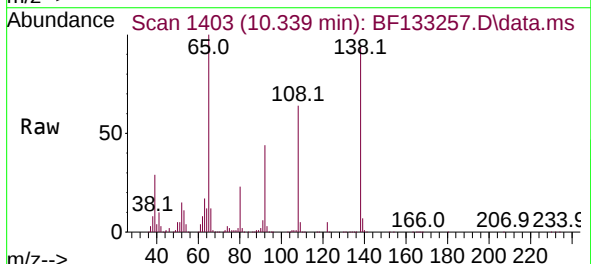
Tgt Ion:204 Resp: 539440  
Ion Ratio Lower Upper  
204 100  
206 33.1 26.1 39.1  
141 64.9 46.1 69.1

Manual Integrations  
APPROVED

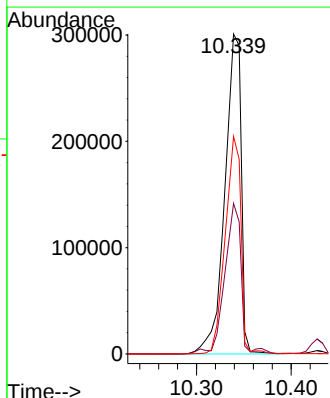
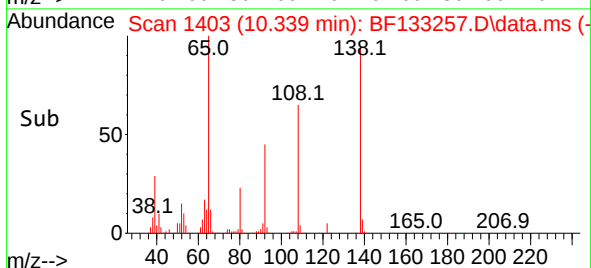
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

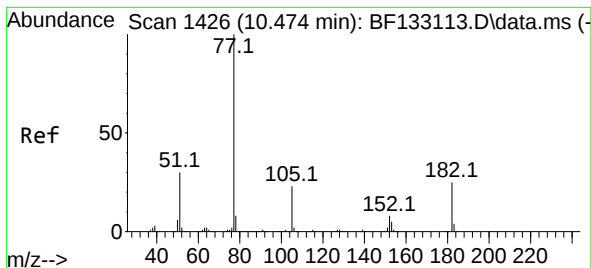


#62  
4-Nitroaniline  
Concen: 46.639 ng  
RT: 10.339 min Scan# 1403  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:138 Resp: 361707  
Ion Ratio Lower Upper  
138 100  
92 47.0 27.7 67.7  
108 68.0 45.2 85.2





#63

Azobenzene

Concen: 40.220 ng

RT: 10.469 min Scan# 1426

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion: 77 Resp: 1268918

Ion Ratio Lower Upper

77 100

182 26.9 5.9 45.9

105 23.6 2.3 42.3

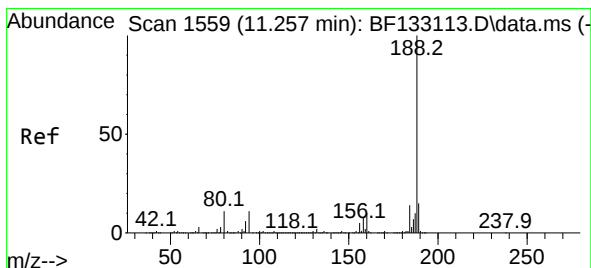
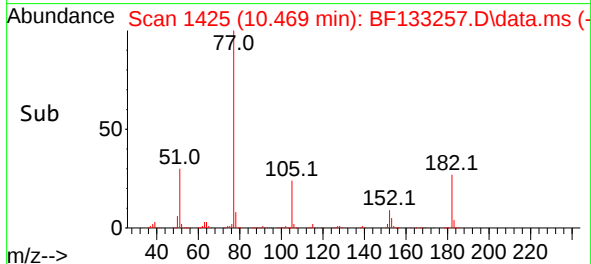
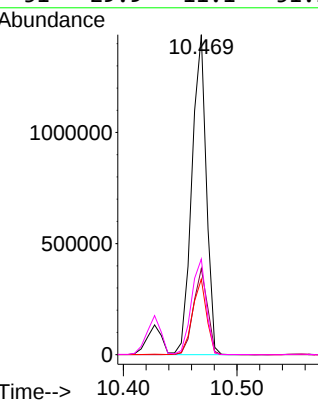
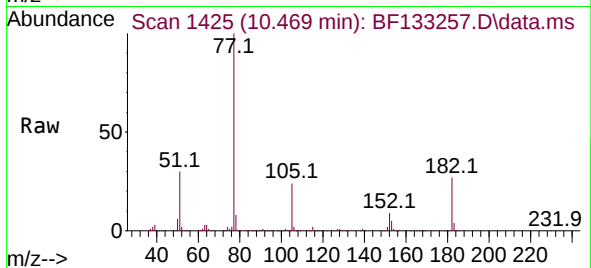
51 29.9 11.1 51.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

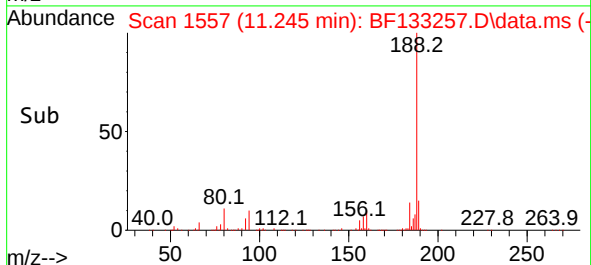
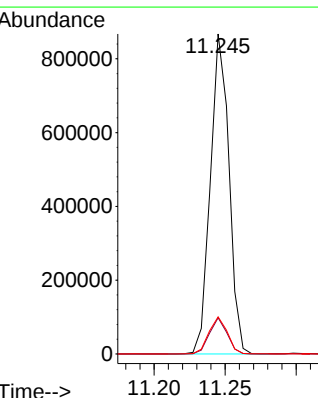
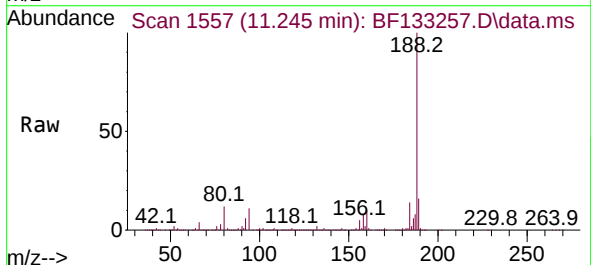
Tgt Ion:188 Resp: 789706

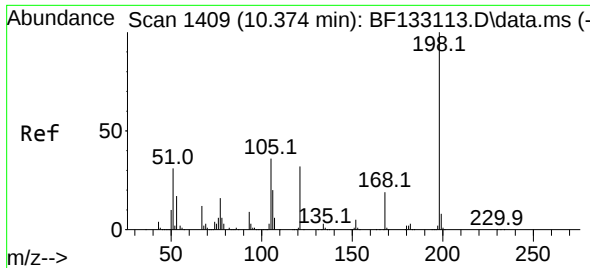
Ion Ratio Lower Upper

188 100

94 11.3 9.7 14.5

80 11.6 10.4 15.6





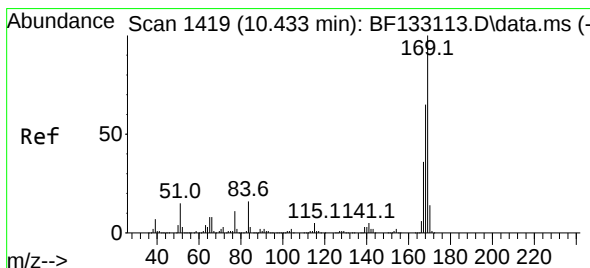
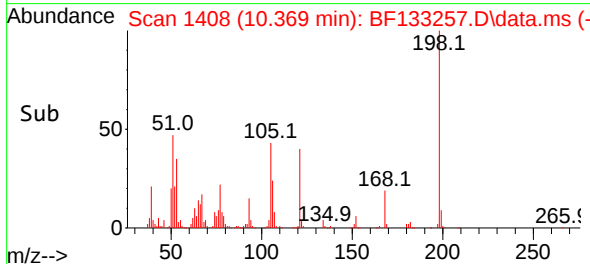
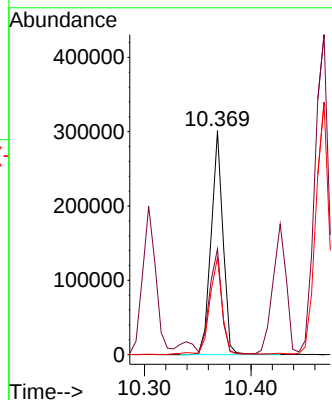
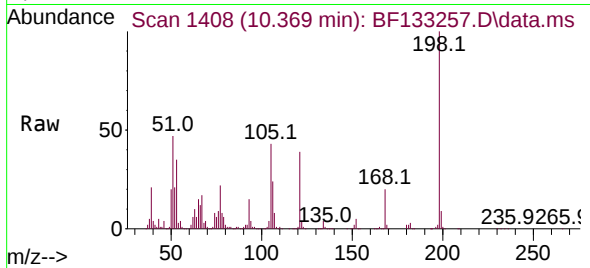
#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.922 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS

Tgt Ion:198 Resp: 23416  
Ion Ratio Lower Upper  
198 100  
51 47.2 15.5 55.5  
105 43.4 16.7 56.7

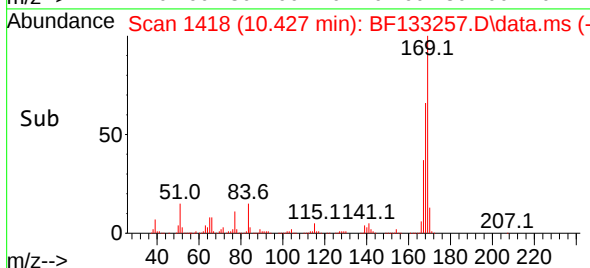
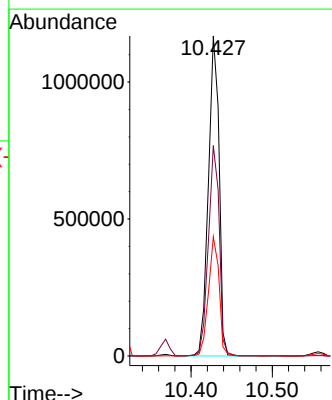
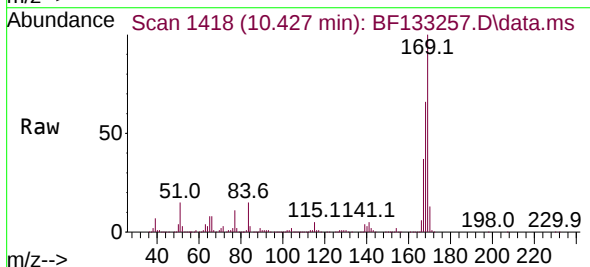
Manual Integrations  
APPROVED

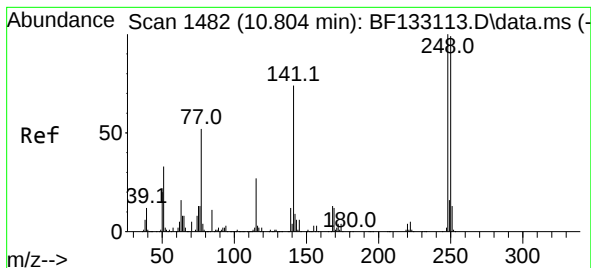
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#66  
n-Nitrosodiphenylamine  
Concen: 41.432 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

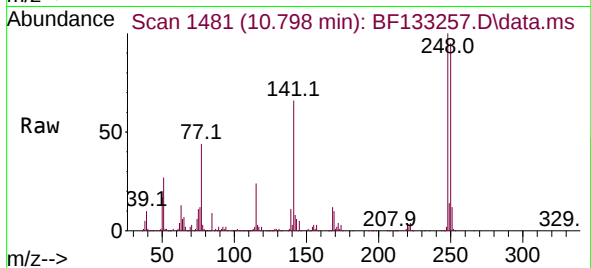
Tgt Ion:169 Resp: 1061319  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.8 80.8  
167 37.3 29.7 44.5





#67  
4-Bromophenyl-phenylether  
Concen: 41.508 ng  
RT: 10.798 min Scan# 1481  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

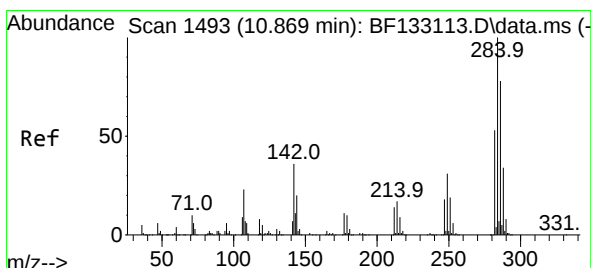
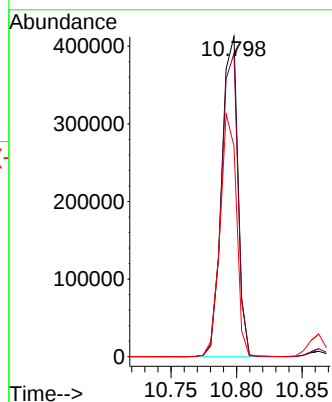
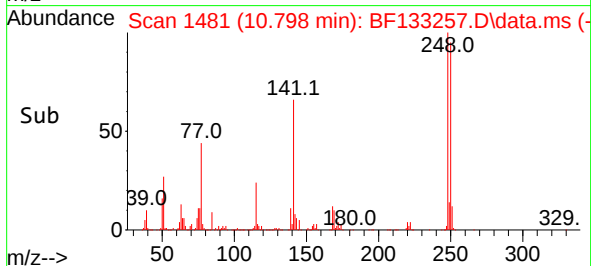
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



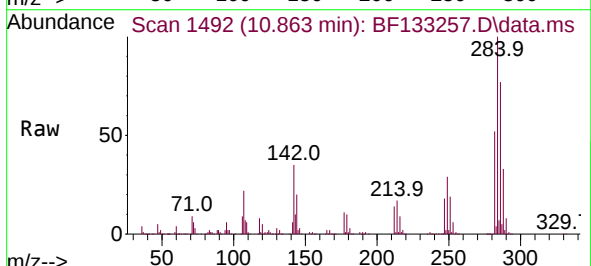
Tgt Ion:248 Resp: 35551  
Ion Ratio Lower Upper  
248 100  
250 94.7 78.7 118.1  
141 65.9 56.3 84.5

Manual Integrations  
APPROVED

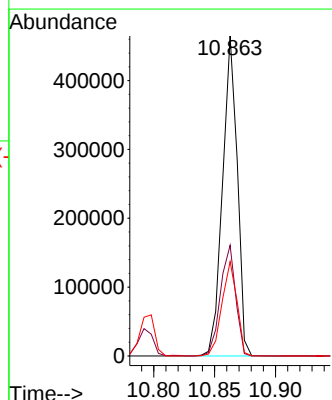
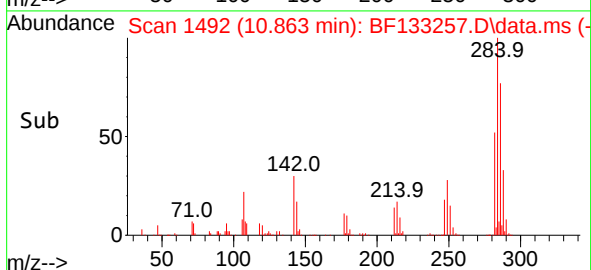
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

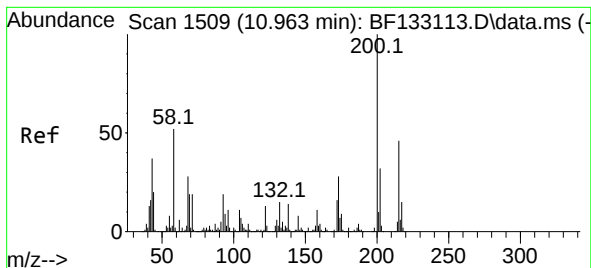


#68  
Hexachlorobenzene  
Concen: 44.574 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:284 Resp: 391194  
Ion Ratio Lower Upper  
284 100  
142 34.6 26.0 39.0  
249 29.5 23.7 35.5





#69

Atrazine

Concen: 49.943 ng

RT: 10.957 min Scan# 1508

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

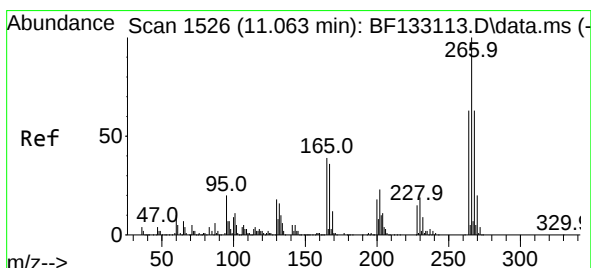
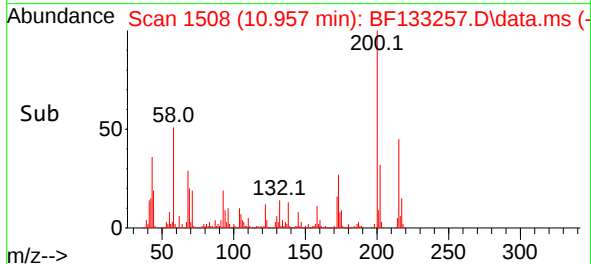
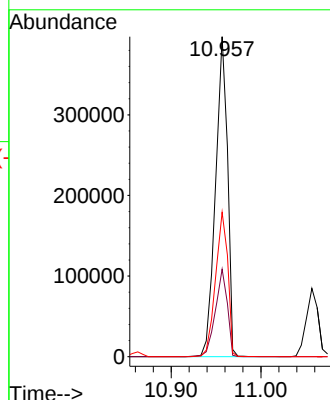
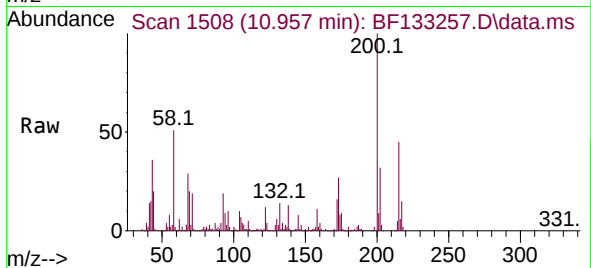
PB152569BS

Tgt Ion:200 Resp: 36863  
 Ion Ratio Lower Upper  
 200 100  
 173 27.4 6.2 46.2  
 215 45.1 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023  
 Supervised By :Jagrut Upadhyay 05/08/2023



#70

Pentachlorophenol

Concen: 72.399 ng

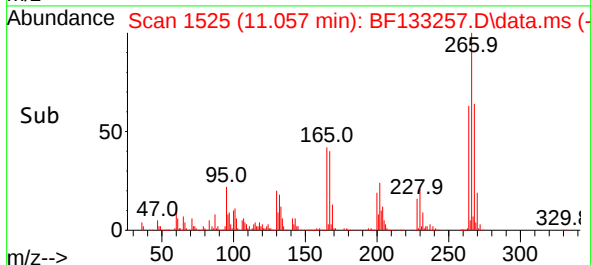
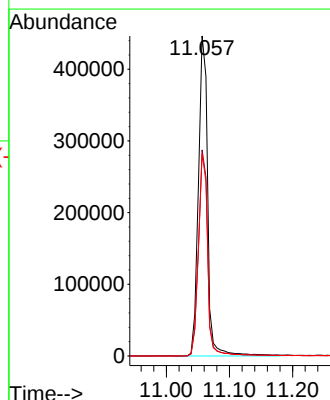
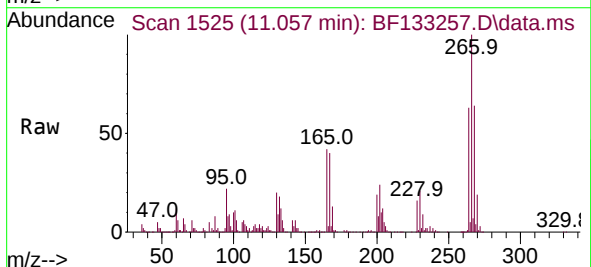
RT: 11.057 min Scan# 1525

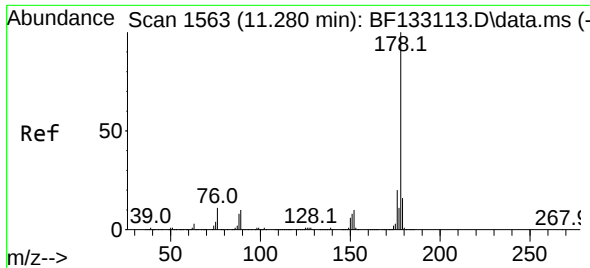
Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Tgt Ion:266 Resp: 452521  
 Ion Ratio Lower Upper  
 266 100  
 268 64.4 48.8 73.2  
 264 63.2 50.6 76.0





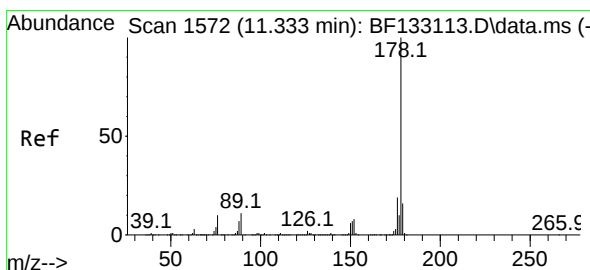
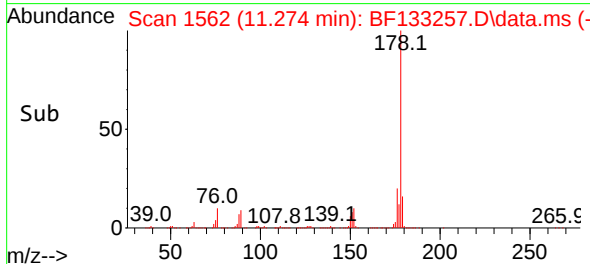
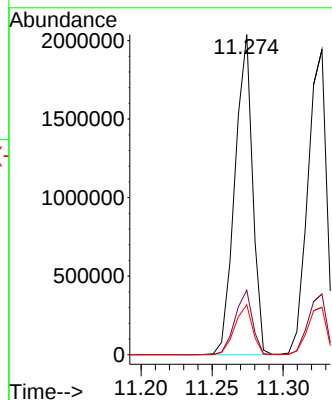
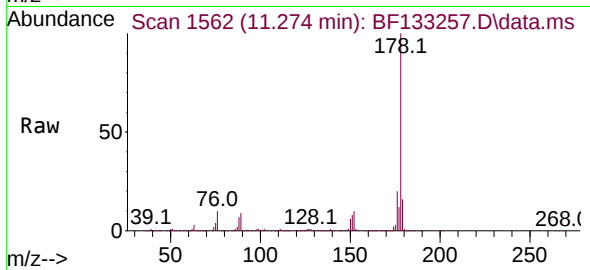
#71  
Phenanthrene  
Concen: 41.562 ng  
RT: 11.274 min Scan# 11562  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS

Tgt Ion:178 Resp: 1764060  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.9 23.9  
179 15.6 12.5 18.7

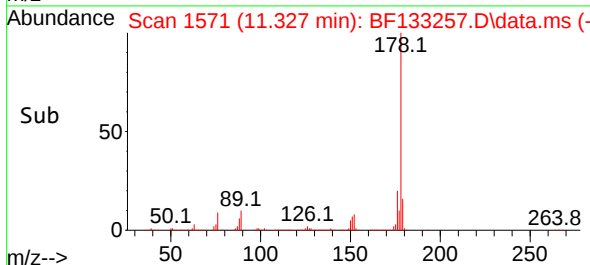
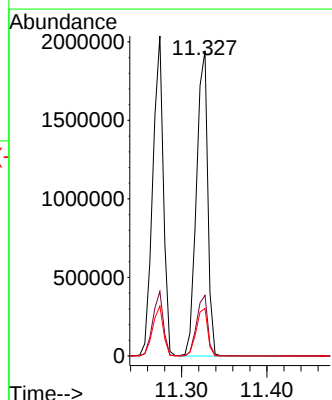
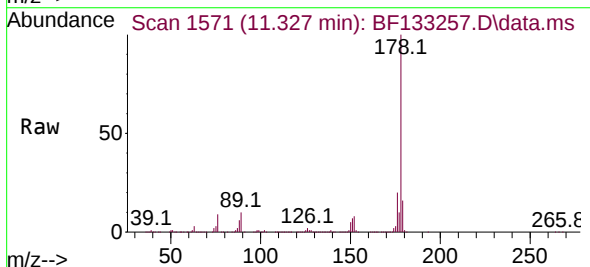
Manual Integrations  
APPROVED

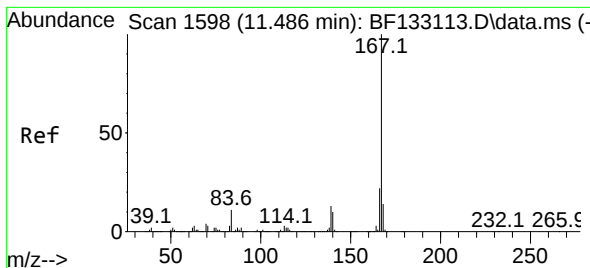
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#72  
Anthracene  
Concen: 40.983 ng  
RT: 11.327 min Scan# 1571  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:178 Resp: 1780167  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.4 23.0  
179 15.6 12.4 18.6





#73

Carbazole

Concen: 42.631 ng

RT: 11.480 min Scan# 1598

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion:167 Resp: 1648869

Ion Ratio Lower Upper

167 100

166 22.5 17.4 26.0

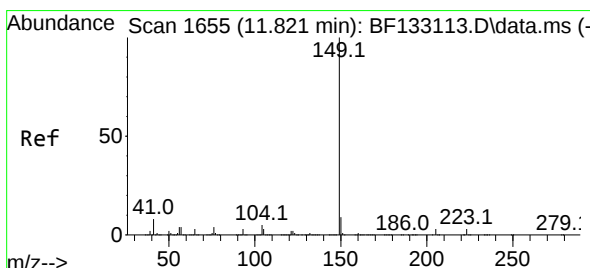
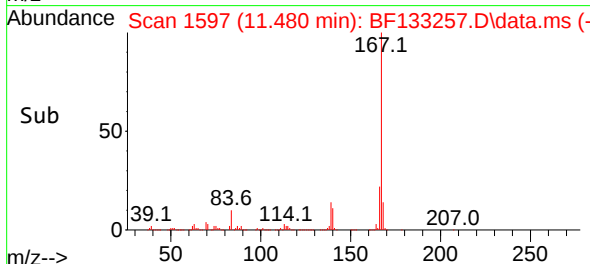
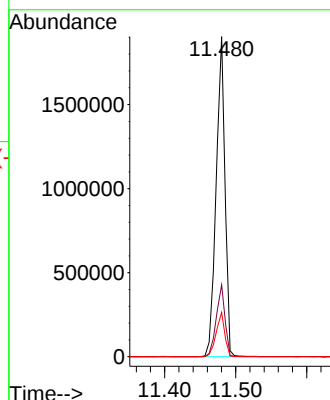
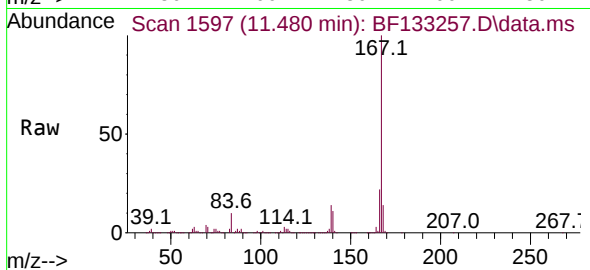
139 13.8 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#74

Di-n-butylphthalate

Concen: 44.406 ng

RT: 11.816 min Scan# 1654

Delta R.T. 0.006 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

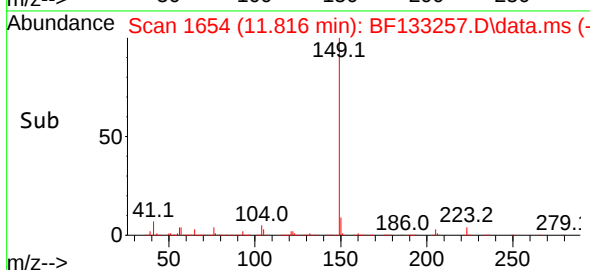
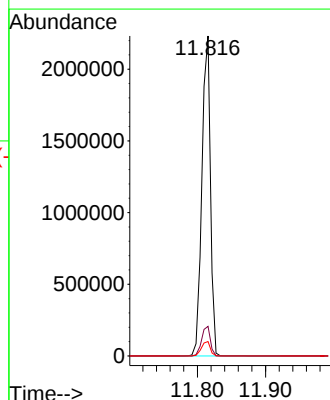
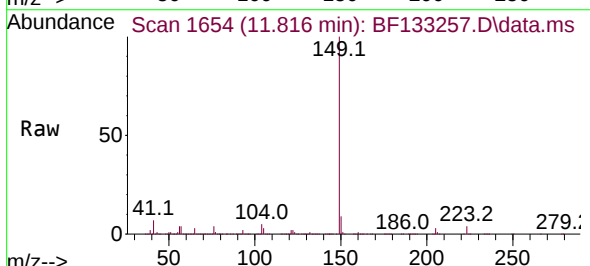
Tgt Ion:149 Resp: 1943661

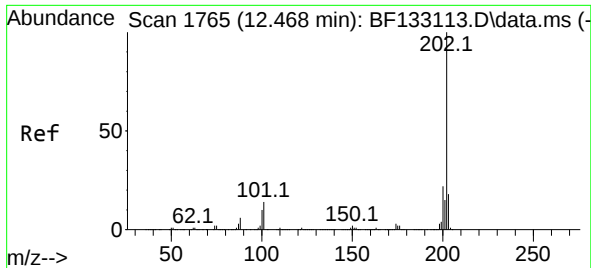
Ion Ratio Lower Upper

149 100

150 9.2 7.6 11.4

104 4.5 4.0 6.0





#75  
Fluoranthene  
Concen: 41.802 ng  
RT: 12.457 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

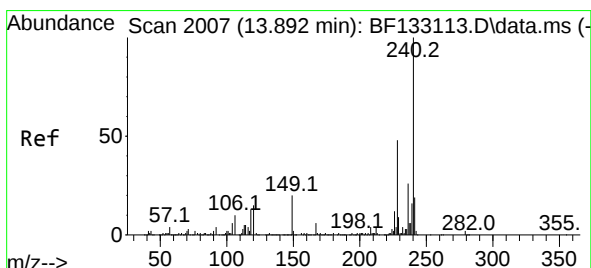
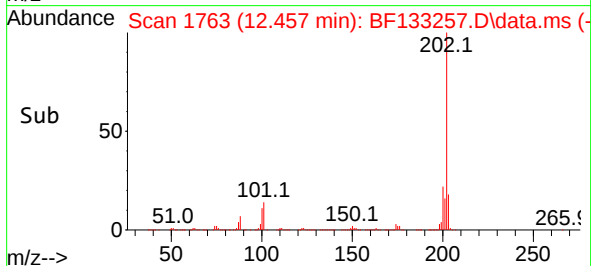
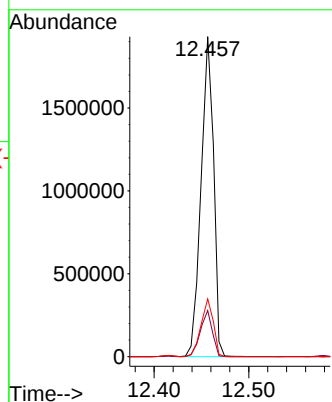
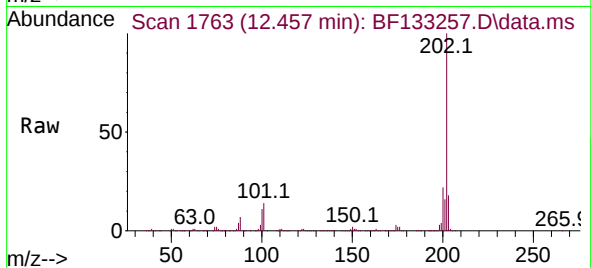
ClientSampleId :

PB152569BS

Tgt Ion:202 Resp: 178066  
Ion Ratio Lower Upper  
202 100  
101 14.4 0.0 35.3  
203 18.1 0.0 38.1

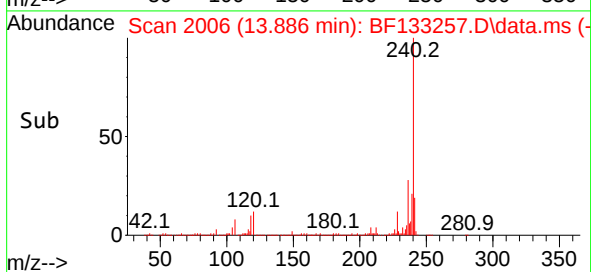
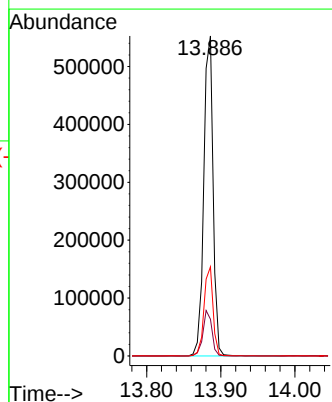
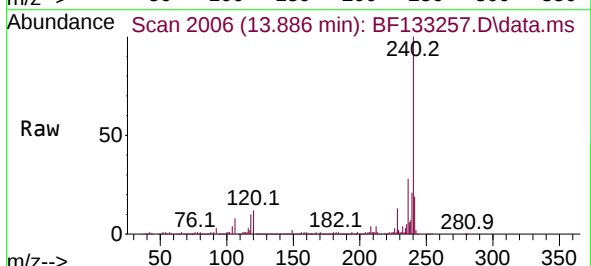
Manual Integrations  
APPROVED

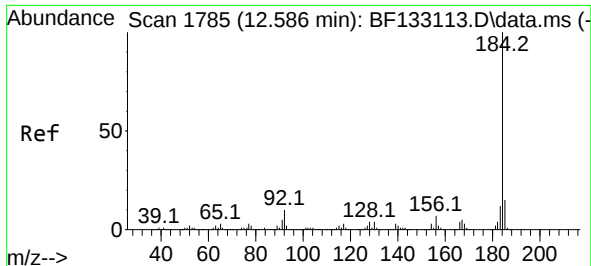
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.886 min Scan# 2006  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

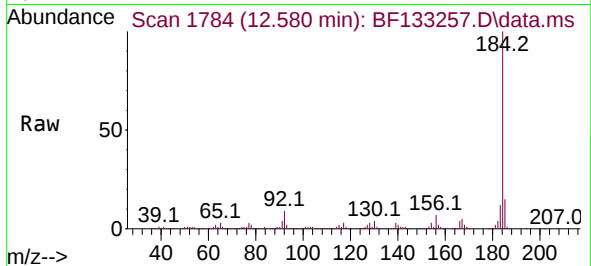
Tgt Ion:240 Resp: 483378  
Ion Ratio Lower Upper  
240 100  
120 11.5 10.5 15.7  
236 27.9 21.5 32.3





#77  
Benzidine  
Concen: 92.766 ng  
RT: 12.580 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

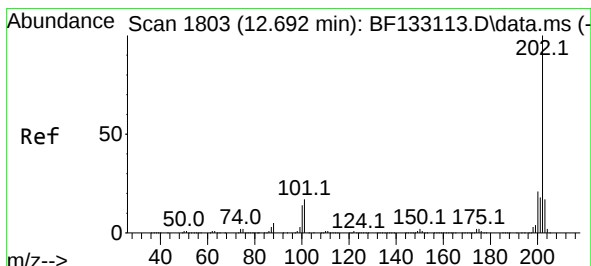
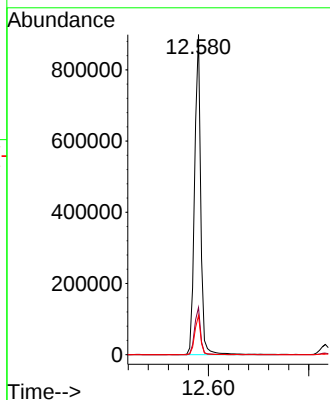
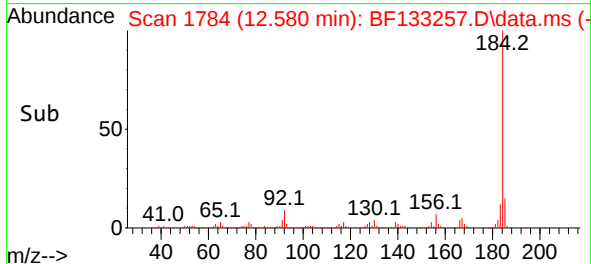
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



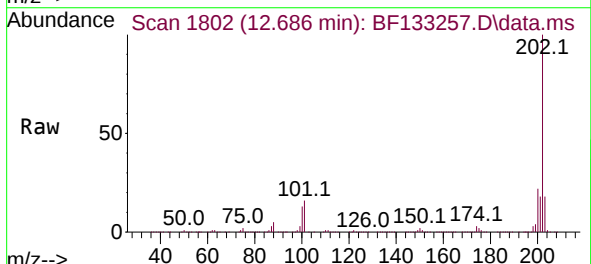
Tgt Ion:184 Resp: 758285  
Ion Ratio Lower Upper  
184 100  
185 14.7 15.4 23.2  
183 12.2 9.4 14.0

Manual Integrations  
APPROVED

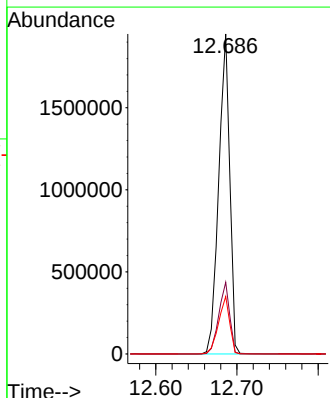
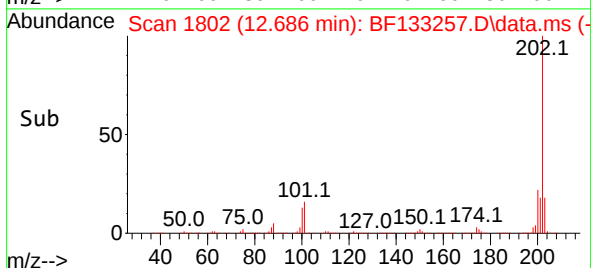
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023

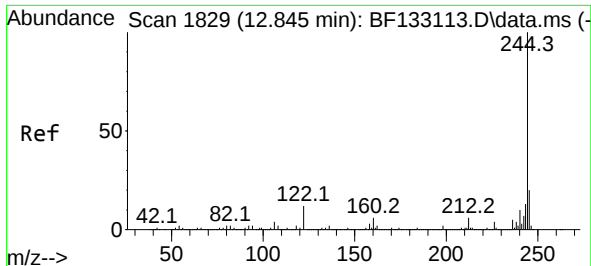


#78  
Pyrene  
Concen: 44.463 ng  
RT: 12.686 min Scan# 1802  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:202 Resp: 1842417  
Ion Ratio Lower Upper  
202 100  
200 22.4 17.1 25.7  
203 17.9 14.1 21.1





#79  
Terphenyl-d14  
Concen: 88.518 ng  
RT: 12.833 min Scan# 1829  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

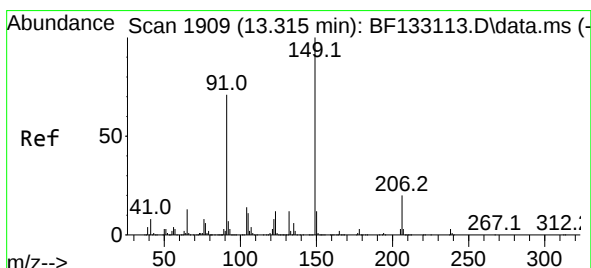
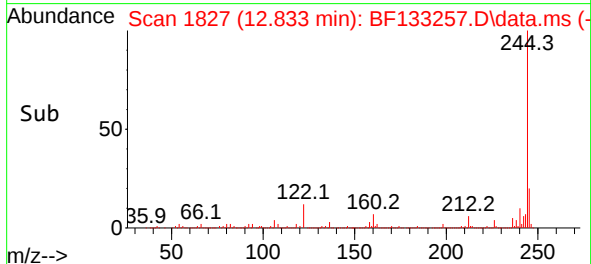
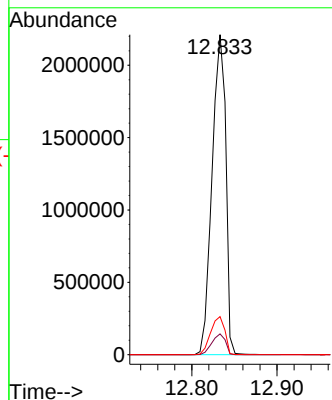
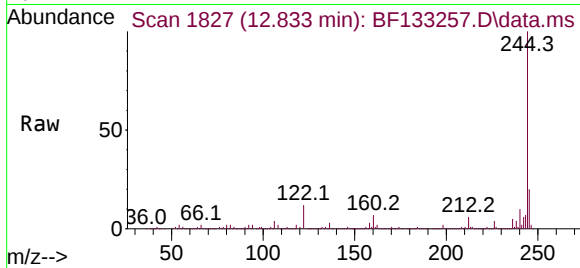
PB152569BS

Tgt Ion:244 Resp: 2480930  
Ion Ratio Lower Upper  
244 100  
212 6.5 5.1 7.7  
122 11.9 8.6 13.0

Manual Integrations

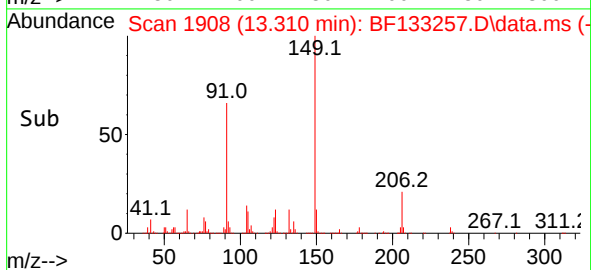
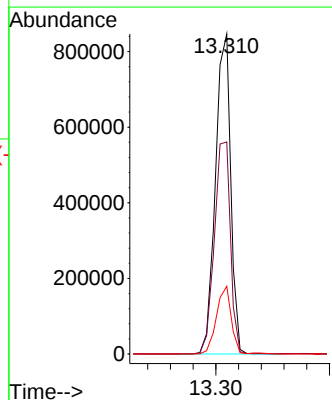
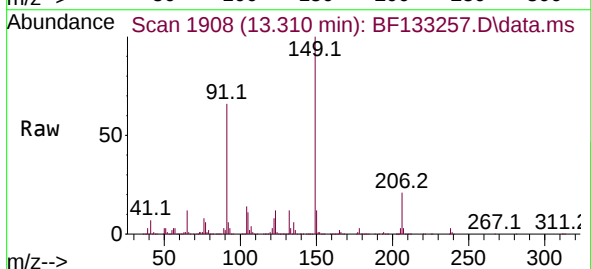
APPROVED

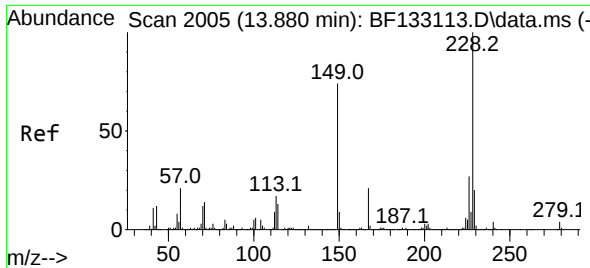
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#80  
Butylbenzylphthalate  
Concen: 53.858 ng  
RT: 13.310 min Scan# 1908  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

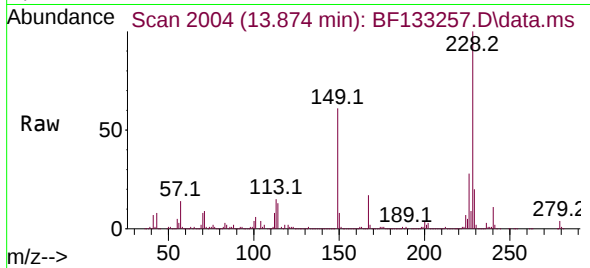
Tgt Ion:149 Resp: 790186  
Ion Ratio Lower Upper  
149 100  
91 66.2 53.8 80.6  
206 21.2 17.5 26.3





#81  
Benzo(a)anthracene  
Concen: 40.955 ng  
RT: 13.874 min Scan# 2005  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

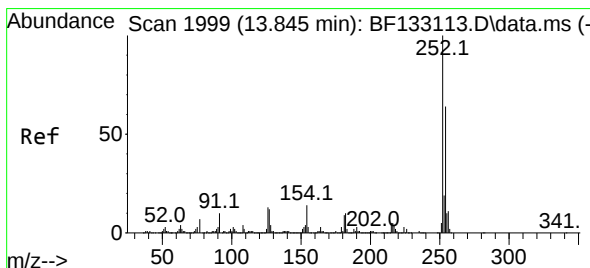
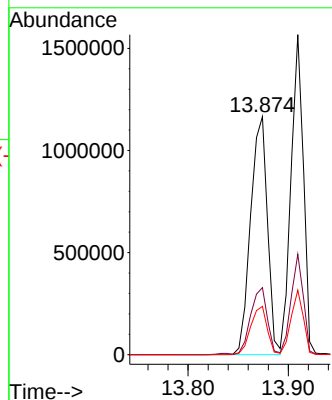
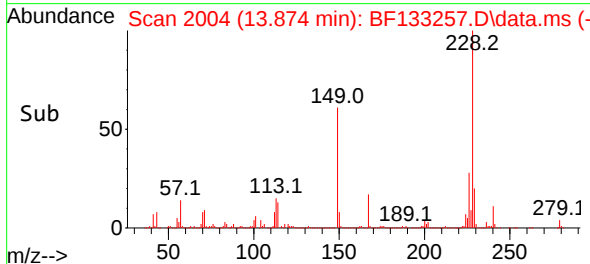
Instrument :  
BNA\_F  
ClientSampleId :  
PB152569BS



Tgt Ion:228 Resp: 136135  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.2 33.4  
229 20.3 16.0 24.0

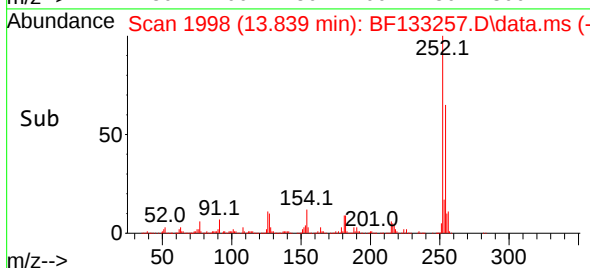
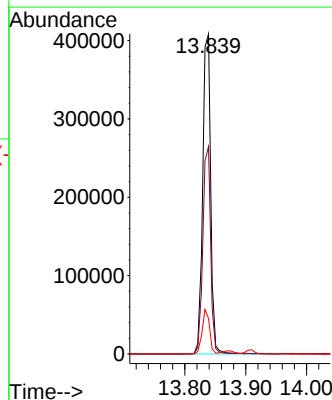
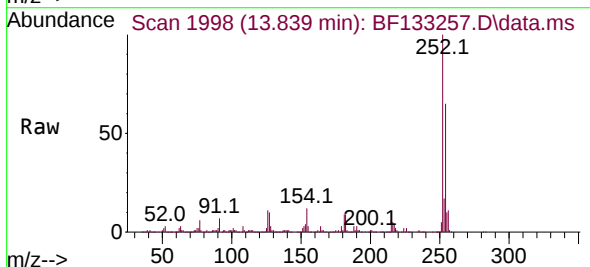
Manual Integrations  
APPROVED

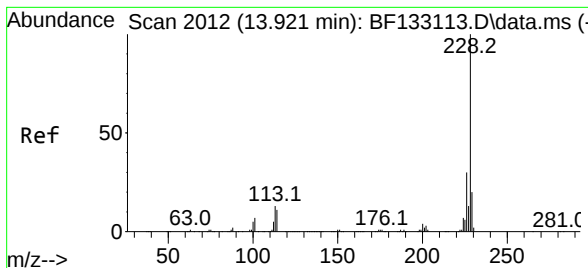
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 40.666 ng  
RT: 13.839 min Scan# 1998  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:252 Resp: 373422  
Ion Ratio Lower Upper  
252 100  
254 64.7 51.5 77.3  
126 11.1 9.5 14.3





#83

Chrysene

Concen: 40.670 ng

RT: 13.910 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF133257.D

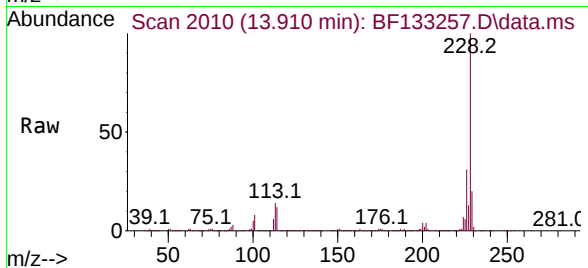
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS



Tgt Ion:228 Resp: 135154

Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

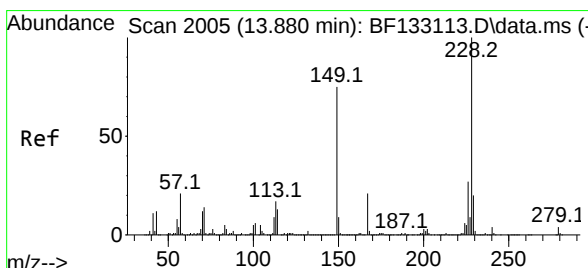
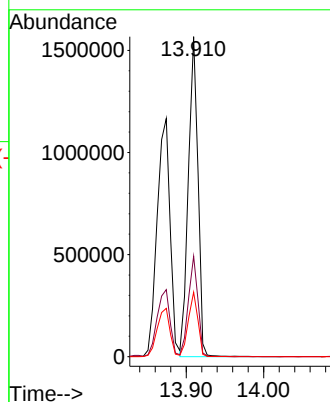
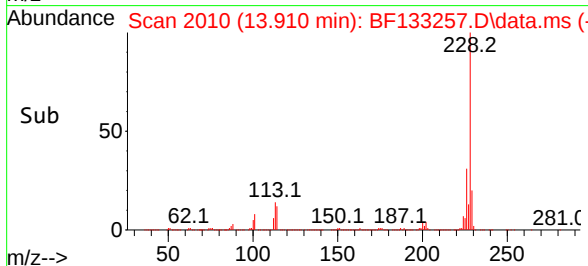
229 20.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.963 ng

RT: 13.868 min Scan# 2003

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

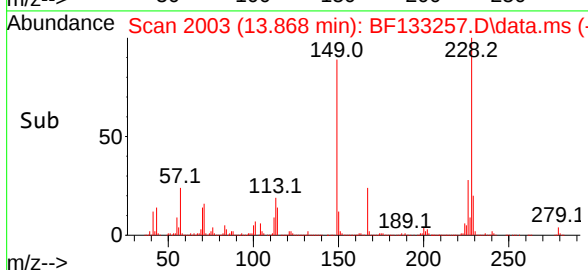
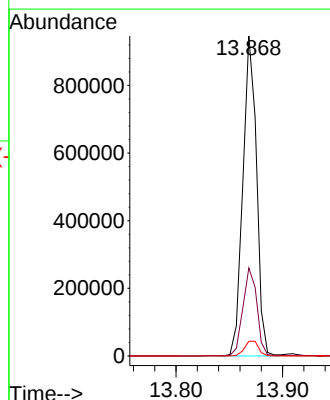
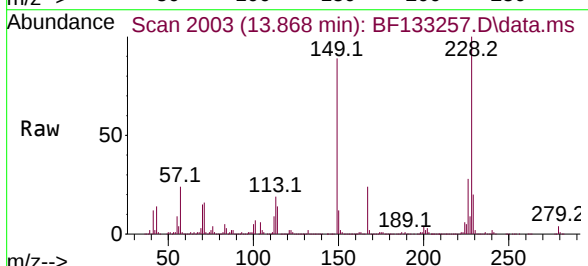
Tgt Ion:149 Resp: 846432

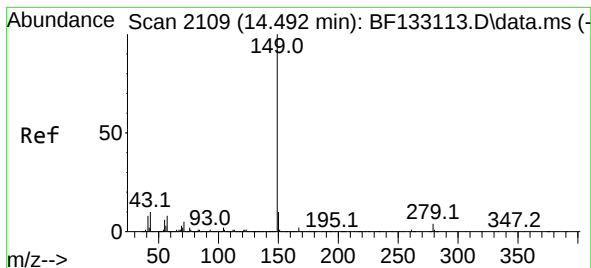
Ion Ratio Lower Upper

149 100

167 27.5 22.5 33.7

279 4.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 47.329 ng

RT: 14.480 min Scan# 2109

Delta R.T. -0.000 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

Tgt Ion:149 Resp: 142118

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

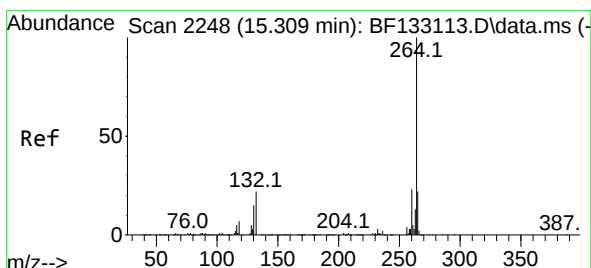
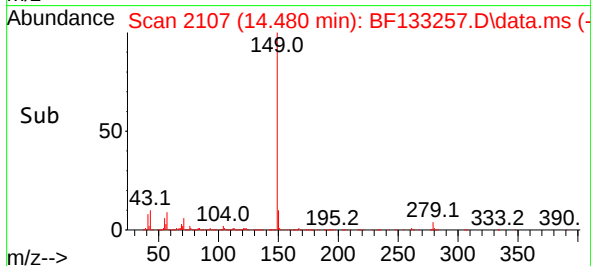
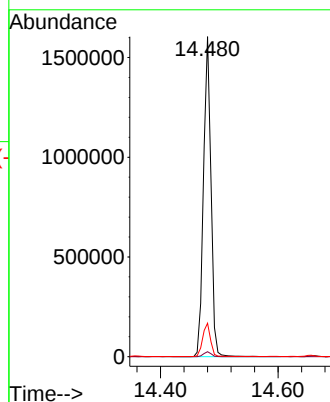
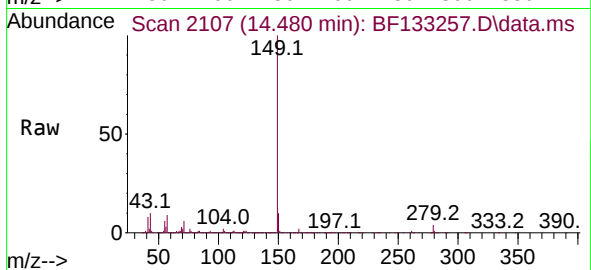
43 10.9 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/08/2023

Supervised By :Jagrut Upadhyay 05/08/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. 0.006 min

Lab File: BF133257.D

Acq: 05 May 2023 11:24

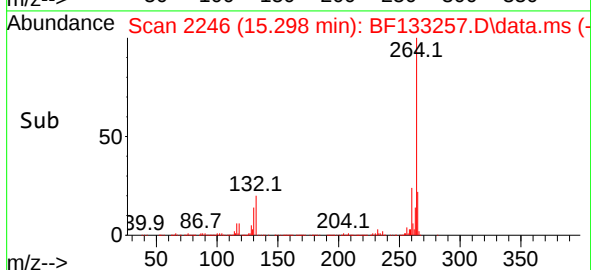
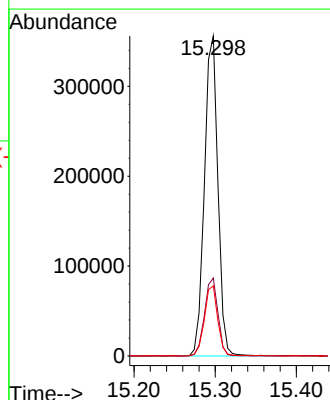
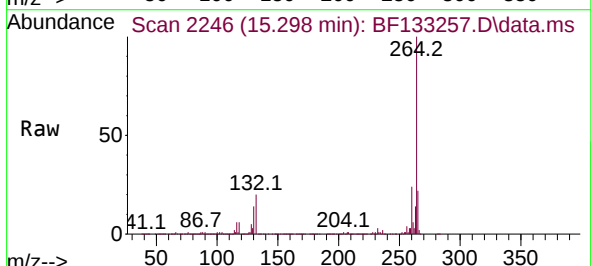
Tgt Ion:264 Resp: 409730

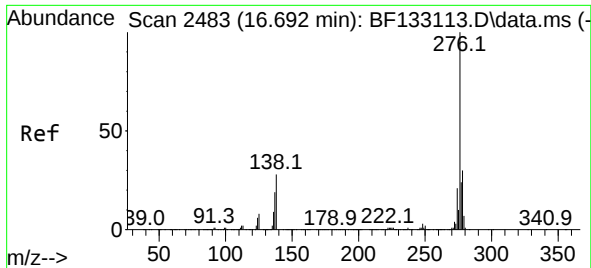
Ion Ratio Lower Upper

264 100

260 24.4 18.8 28.2

265 21.9 17.0 25.4





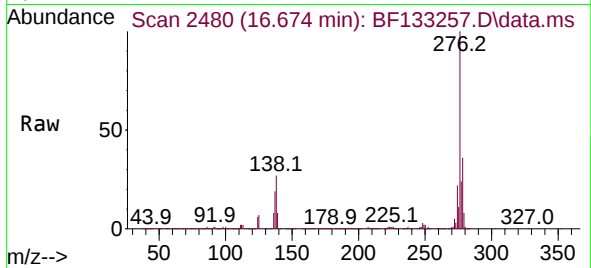
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 51.180 ng  
RT: 16.674 min Scan# 2483  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

PB152569BS

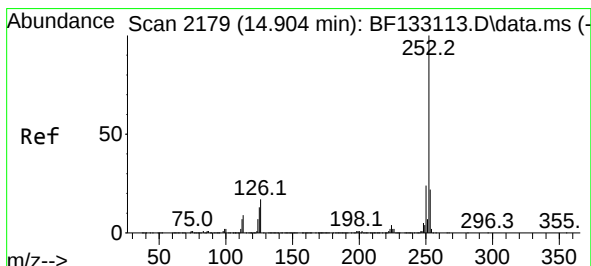
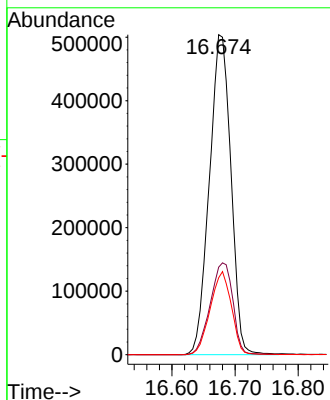
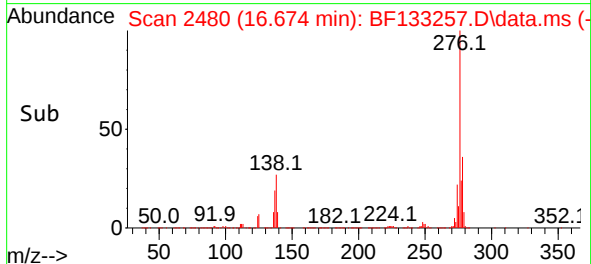


Tgt Ion:276 Resp: 119281  
Ion Ratio Lower Upper  
276 100  
138 30.2 25.5 38.3  
277 25.6 20.4 30.6

Manual Integrations

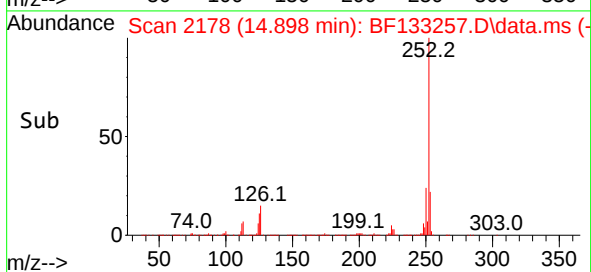
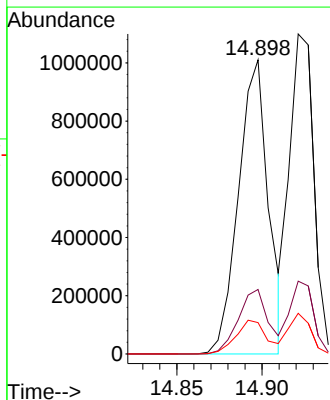
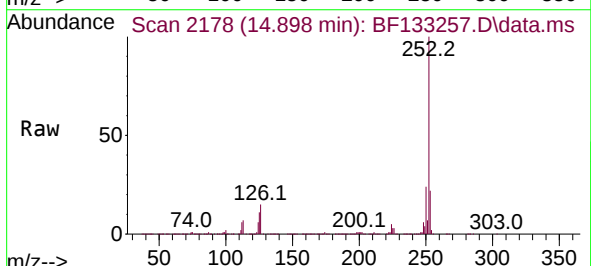
APPROVED

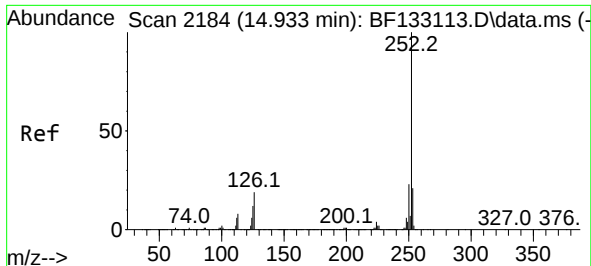
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#88  
Benzo(b)fluoranthene  
Concen: 47.301 ng  
RT: 14.898 min Scan# 2178  
Delta R.T. 0.006 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:252 Resp: 1232982  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.6 26.4  
125 10.7 8.9 13.3





#89  
Benzo(k)fluoranthene  
Concen: 42.487 ng  
RT: 14.921 min Scan# 2182  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

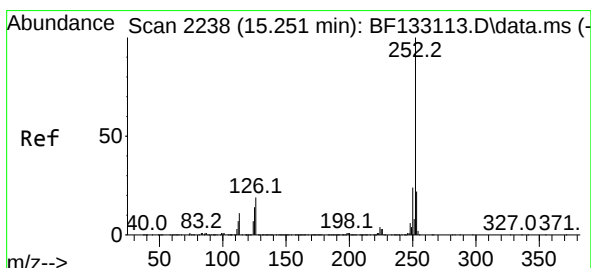
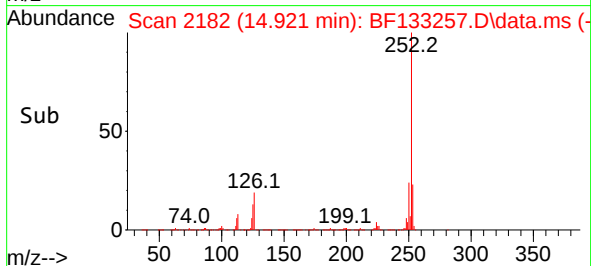
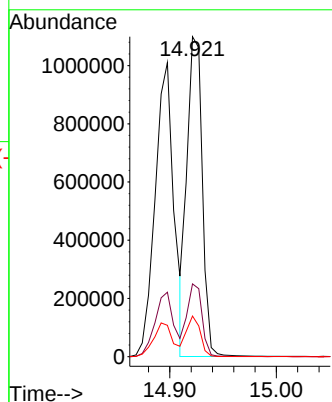
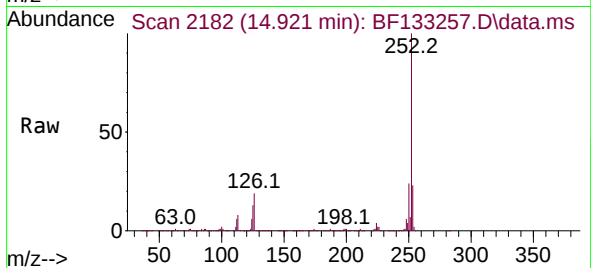
PB152569BS

Tgt Ion:252 Resp: 109784  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.7 26.5  
125 12.7 9.0 13.4

Manual Integrations

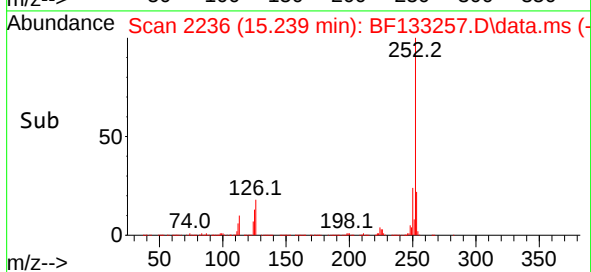
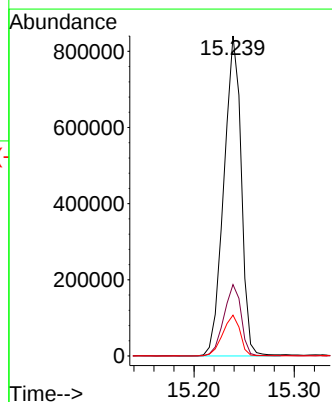
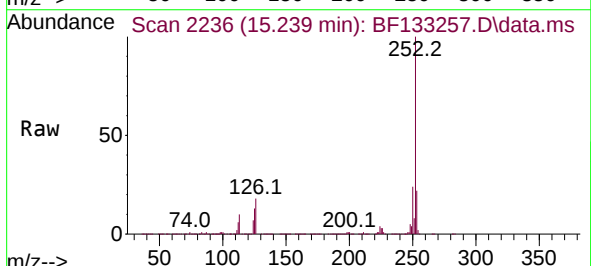
APPROVED

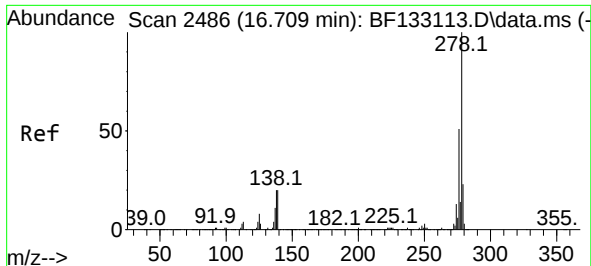
Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#90  
Benzo(a)pyrene  
Concen: 42.599 ng  
RT: 15.239 min Scan# 2236  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Tgt Ion:252 Resp: 1010690  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.7 26.5  
125 12.8 10.5 15.7





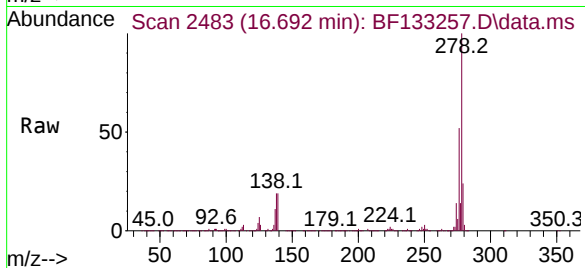
#91  
Dibenzo(a,h)anthracene  
Concen: 51.341 ng  
RT: 16.692 min Scan# 2486  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24

Instrument :

BNA\_F

ClientSampleId :

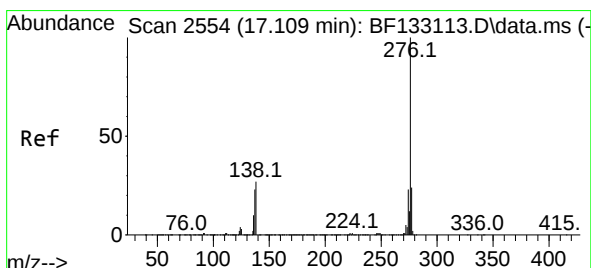
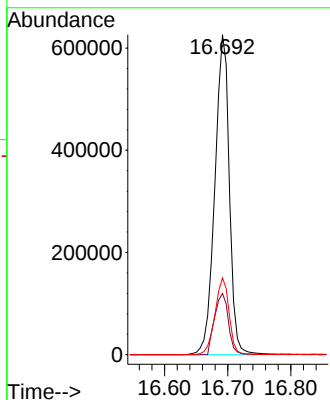
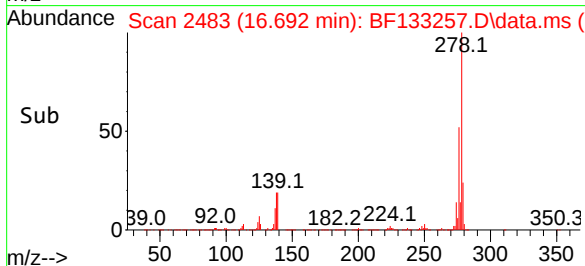
PB152569BS



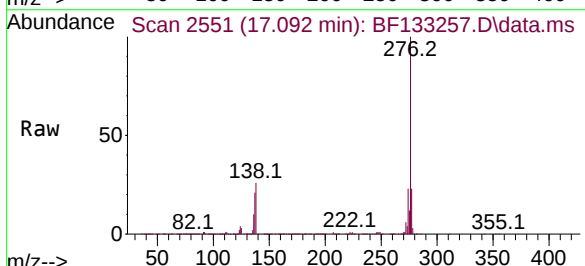
Tgt Ion:278 Resp: 997992  
Ion Ratio Lower Upper  
278 100  
139 19.2 16.6 24.8  
279 24.0 18.8 28.2

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/08/2023  
Supervised By :Jagrut Upadhyay 05/08/2023



#92  
Benzo(g,h,i)perylene  
Concen: 52.645 ng  
RT: 17.092 min Scan# 2551  
Delta R.T. -0.000 min  
Lab File: BF133257.D  
Acq: 05 May 2023 11:24



Tgt Ion:276 Resp: 1010297  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.4 29.0  
138 26.1 22.7 34.1

