

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011823\  
 Data File : BF132123.D  
 Acq On : 18 Jan 2023 17:47  
 Operator : CG\JU  
 Sample : PB150315BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150315BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/19/2023  
 Supervised By : Jagrut Upadhyay 01/19/2023

Quant Time: Jan 19 05:20:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 19 00:42:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.095  | 152  | 188780   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.384  | 136  | 689522   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.154 | 164  | 367139   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.648 | 188  | 721237   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.313 | 240  | 424557   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.912 | 264  | 415622   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.737  | 112  | 1254640  | 118.241 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.713  | 99   | 1619106  | 118.116 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.666  | 82   | 1092807  | 84.125  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.948 | 330  | 512880   | 127.678 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.466  | 172  | 1775788  | 84.156  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.248 | 244  | 2141040  | 81.824  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.154  | 88   | 198024   | 35.633  | ng    | 99       |
| 3) Pyridine                   | 3.866  | 79   | 524859   | 35.271  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.831  | 42   | 304256   | 42.309  | ng    | 97       |
| 6) Aniline                    | 6.760  | 93   | 650543m  | 33.939  | ng    |          |
| 8) 2-Chlorophenol             | 6.878  | 128  | 528980   | 46.841  | ng    | 98       |
| 9) Benzaldehyde               | 6.648  | 77   | 202163   | 20.990  | ng    | 99       |
| 10) Phenol                    | 6.731  | 94   | 603530m  | 42.787  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.831  | 93   | 530304   | 44.210  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.042  | 146  | 558271   | 44.920  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.119  | 146  | 554641   | 44.586  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.272  | 146  | 536403   | 45.507  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.231  | 79   | 478852   | 43.949  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.366  | 45   | 802396   | 44.935  | ng    | 99       |
| 17) 2-Methylphenol            | 7.337  | 107  | 416872   | 41.014  | ng    | 99       |
| 18) Hexachloroethane          | 7.613  | 117  | 211799   | 46.195  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.507  | 70   | 352307   | 40.881  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.489  | 107  | 521441   | 41.333  | ng    | 98       |
| 22) Acetophenone              | 7.507  | 105  | 671306   | 42.206  | ng    | 98       |
| 24) Nitrobenzene              | 7.684  | 77   | 573477   | 42.161  | ng    | 99       |
| 25) Isophorone                | 7.919  | 82   | 1075085  | 41.362  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.995  | 139  | 260301   | 46.968  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 8.025  | 122  | 471895   | 42.711  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 8.125  | 93   | 610966   | 40.990  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.236  | 162  | 440919   | 42.586  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.325  | 180  | 494150   | 43.676  | ng    | 100      |
| 31) Naphthalene               | 8.407  | 128  | 1397523  | 41.281  | ng    | 99       |
| 32) Benzoic acid              | 8.137  | 122  | 327410   | 43.136  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.448  | 127  | 193861   | 13.042  | ng    | 95       |
| 34) Hexachlorobutadiene       | 8.519  | 225  | 329541   | 44.167  | ng    | 99       |
| 35) Caprolactam               | 8.825  | 113  | 146358m  | 43.502  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.919  | 107  | 456646   | 42.297  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 9.101  | 142  | 934641   | 39.646  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.201  | 142  | 868223   | 39.198  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.266  | 216  | 495878   | 42.023  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.254  | 237  | 628639   | 100.249 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.372  | 196  | 341307   | 45.005  | ng    | 100      |

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Manual Integrations  
 APPROVED

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 QLast Update : Thu Jan 19 00:42:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.413  | 196  | 378123   | 40.801  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.566  | 154  | 1148991  | 42.388  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.595  | 162  | 904044   | 42.744  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.683  | 65   | 311017   | 43.134  | ng    | 98       |
| 49) Acenaphthylene            | 10.013 | 152  | 1430485  | 41.737  | ng    | 100      |
| 50) Dimethylphthalate         | 9.866  | 163  | 1098637  | 41.164  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.925  | 165  | 253922   | 44.724  | ng    | 95       |
| 52) Acenaphthene              | 10.189 | 154  | 956141   | 46.068  | ng    | 100      |
| 53) 3-Nitroaniline            | 10.095 | 138  | 169052   | 28.126  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 10.201 | 184  | 258507   | 107.164 | ng    | # 85     |
| 55) Dibenzofuran              | 10.360 | 168  | 1307931  | 40.956  | ng    | 99       |
| 56) 4-Nitrophenol             | 10.248 | 139  | 388895   | 90.563  | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 10.336 | 165  | 321437   | 45.836  | ng    | # 83     |
| 58) Fluorene                  | 10.707 | 166  | 966182   | 40.796  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.472 | 232  | 323643   | 44.369  | ng    | 99       |
| 60) Diethylphthalate          | 10.566 | 149  | 1129045  | 42.248  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.689 | 204  | 521515   | 40.969  | ng    | 94       |
| 62) 4-Nitroaniline            | 10.719 | 138  | 229398   | 42.323  | ng    | 97       |
| 63) Azobenzene                | 10.854 | 77   | 1073678  | 41.246  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.742 | 198  | 163834   | 48.847  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.813 | 169  | 899622   | 41.562  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.189 | 248  | 346497   | 42.293  | ng    | 97       |
| 68) Hexachlorobenzene         | 11.254 | 284  | 376265   | 45.648  | ng    | 97       |
| 69) Atrazine                  | 11.336 | 200  | 332872   | 45.696  | ng    | 100      |
| 70) Pentachlorophenol         | 11.448 | 266  | 451611   | 79.747  | ng    | 98       |
| 71) Phenanthrene              | 11.677 | 178  | 1523725  | 42.736  | ng    | 99       |
| 72) Anthracene                | 11.730 | 178  | 1520377  | 41.938  | ng    | 100      |
| 73) Carbazole                 | 11.877 | 167  | 1356839  | 42.893  | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.201 | 149  | 1722532  | 44.841  | ng    | 99       |
| 75) Fluoranthene              | 12.877 | 202  | 1674277  | 43.839  | ng    | 99       |
| 77) Benzidine                 | 12.989 | 184  | 522976   | 45.745  | ng    | 98       |
| 78) Pyrene                    | 13.107 | 202  | 1688945  | 41.561  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.719 | 149  | 666961   | 46.561  | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.301 | 228  | 1294747  | 43.633  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.260 | 252  | 210845   | 26.712  | ng    | 100      |
| 83) Chrysene                  | 14.342 | 228  | 1211606  | 43.435  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.277 | 149  | 900483   | 48.069  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.918 | 149  | 1364880  | 55.557  | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.583 | 276  | 1268531  | 51.801  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.430 | 252  | 1239301  | 47.396  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.465 | 252  | 1136483  | 43.449  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.842 | 252  | 1056306  | 44.686  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.606 | 278  | 1026356  | 52.159  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 18.095 | 276  | 1071657  | 52.272  | ng    | 99       |

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

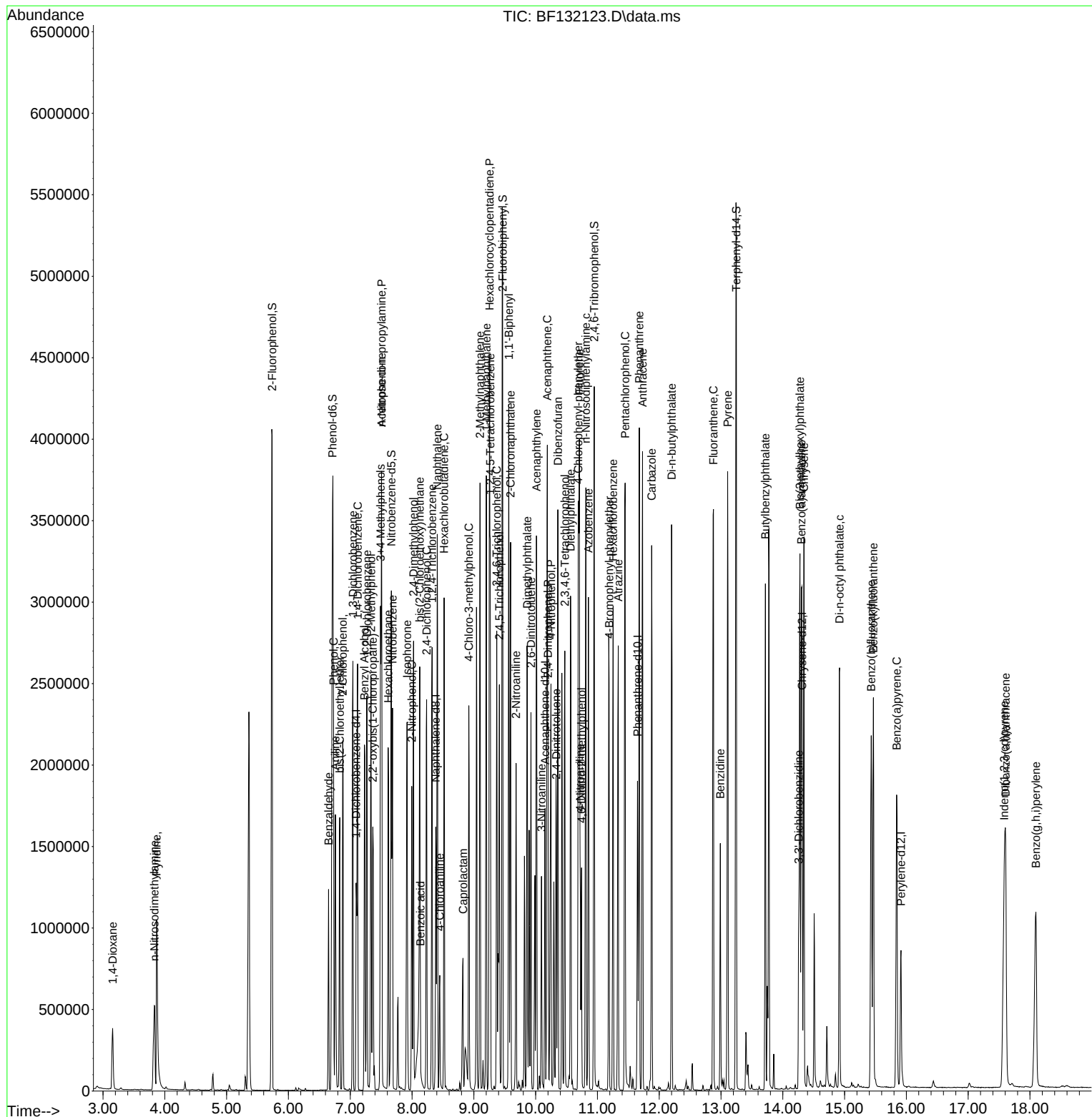
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011823\  
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 ALS Vial : 4 Sample Multiplier: 1

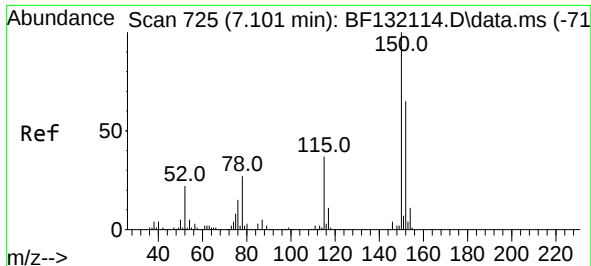
Instrument :  
 BNA\_F  
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Quant Time: Jan 19 05:20:15 2023  
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### Manual Integrations APPROVED

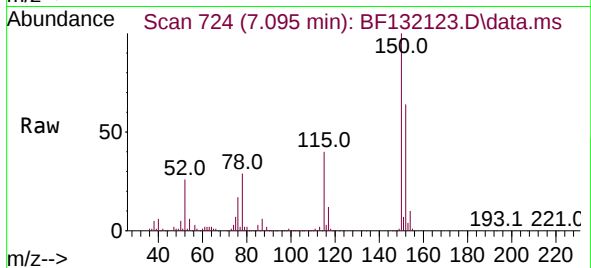
Reviewed By : Christian Giraldo 01/19/2023  
 Supervised By : Jagrut Upadhyay 01/19/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.095 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

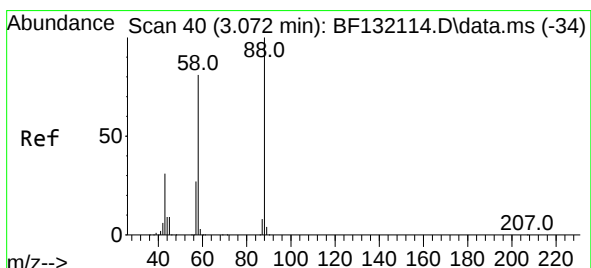
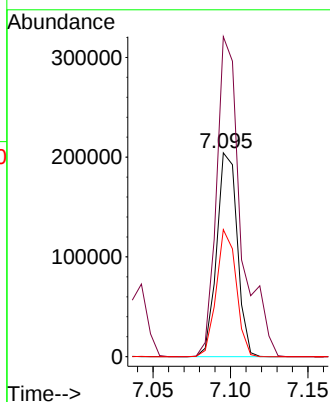
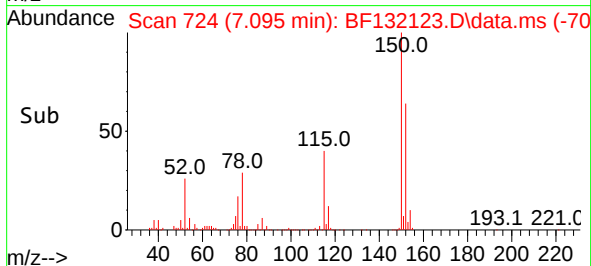
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion:152 Resp: 188780  
Ion Ratio Lower Upper  
152 100  
150 157.1 123.3 184.9  
115 62.3 45.8 68.6

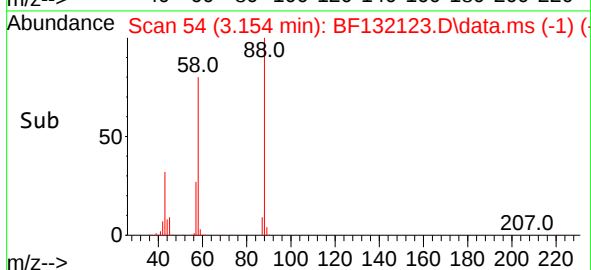
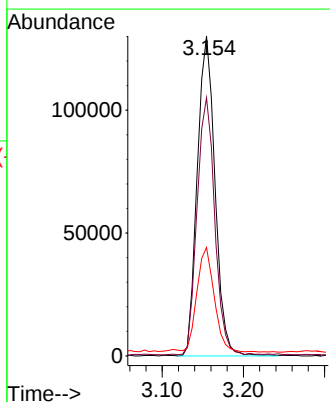
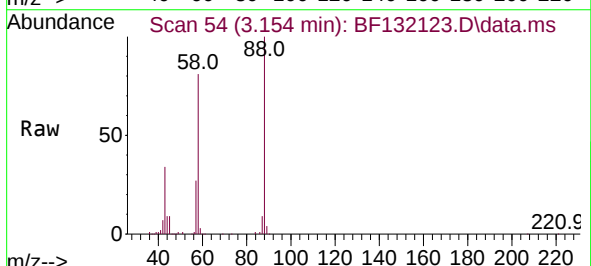
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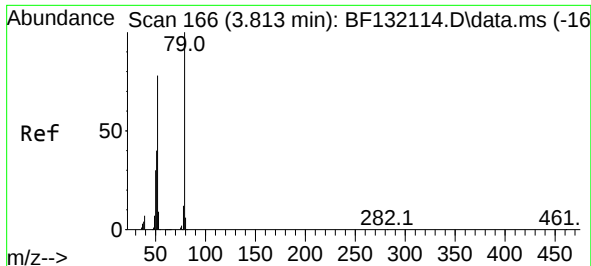
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#2  
1,4-Dioxane  
Concen: 35.633 ng  
RT: 3.154 min Scan# 54  
Delta R.T. 0.082 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

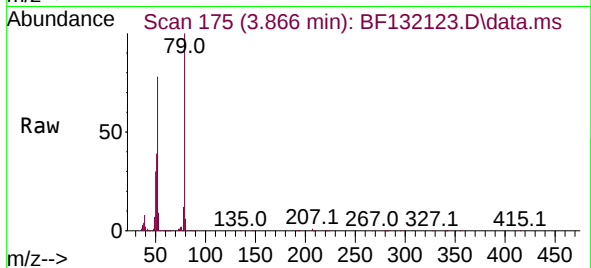
Tgt Ion: 88 Resp: 198024  
Ion Ratio Lower Upper  
88 100  
58 79.8 63.8 95.6  
43 32.3 24.7 37.1





#3  
Pyridine  
Concen: 35.271 ng  
RT: 3.866 min Scan# 11  
Delta R.T. 0.053 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

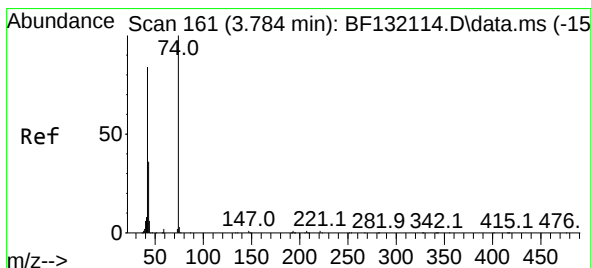
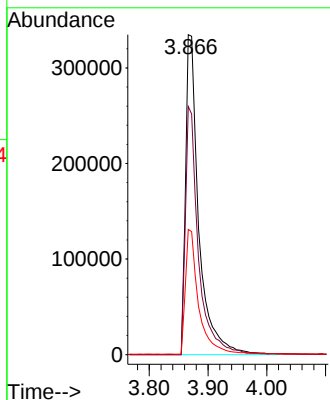
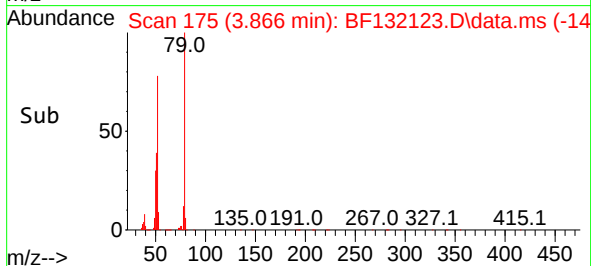
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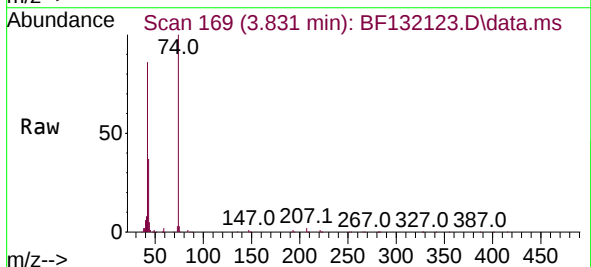
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Ion Ratio Lower Upper  
79 100  
52 77.5 62.2 93.4  
51 39.1 31.9 47.9

Manual Integrations  
APPROVED

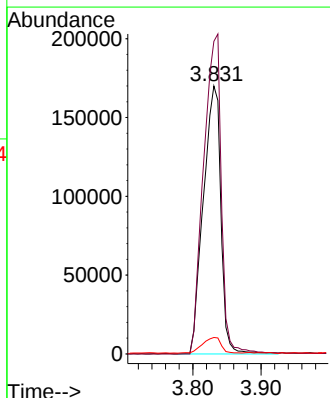
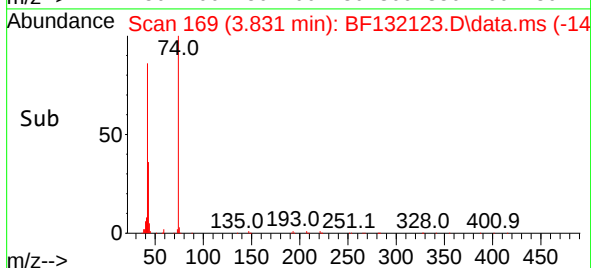
Reviewed By :Christian Giraldo 01/19/2023  
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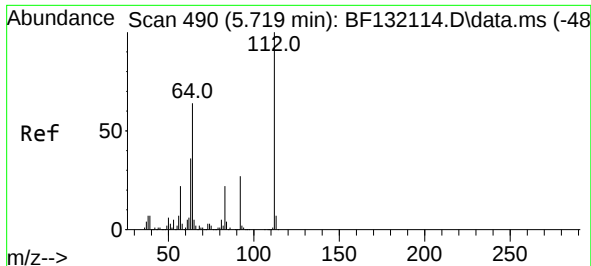


#4  
n-Nitrosodimethylamine  
Concen: 42.309 ng  
RT: 3.831 min Scan# 169  
Delta R.T. 0.047 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



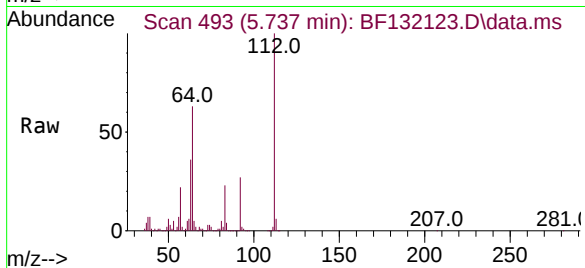
Tgt Ion: 42 Resp: 304256  
Ion Ratio Lower Upper  
42 100  
74 116.7 95.8 143.6  
44 6.1 5.6 8.4





#5  
2-Fluorophenol  
Concen: 118.241 ng  
RT: 5.737 min Scan# 490  
Delta R.T. 0.018 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

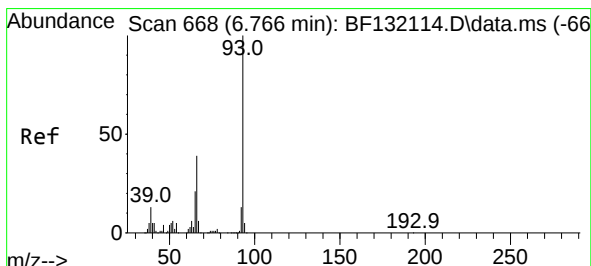
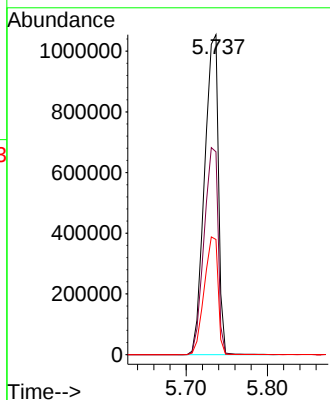
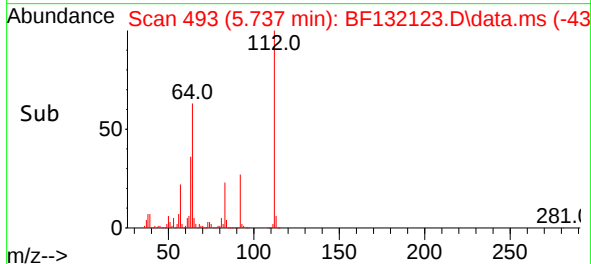
Instrument :  
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ClientSampleId :  
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Tgt Ion: 112 Resp: 1254640  
Ion Ratio Lower Upper  
112 100  
64 63.4 51.0 76.6  
63 36.0 28.7 43.1

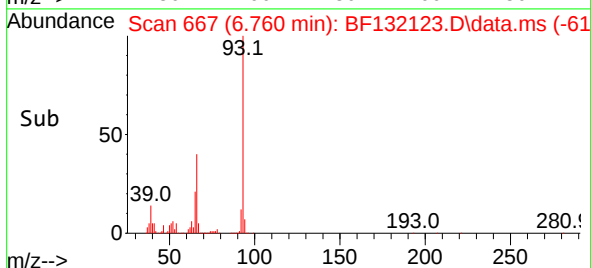
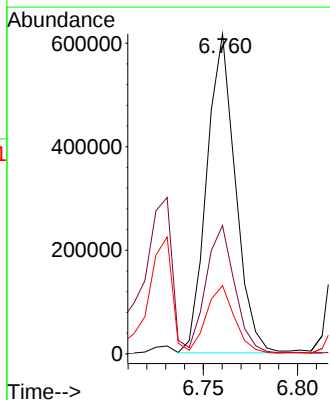
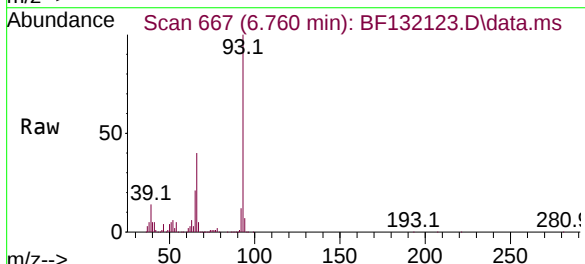
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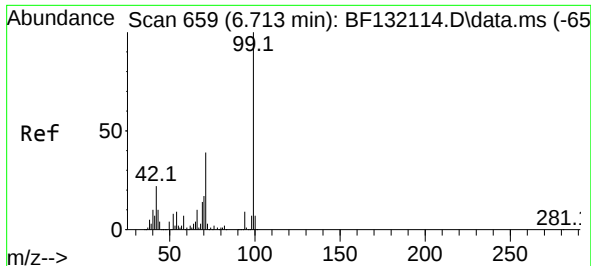
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#6  
Aniline  
Concen: 33.939 ng m  
RT: 6.760 min Scan# 667  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

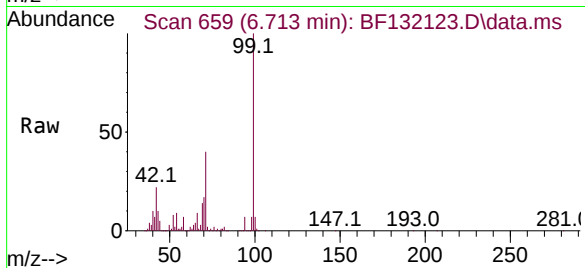
Tgt Ion: 93 Resp: 650543  
Ion Ratio Lower Upper  
93 100  
66 40.1 32.2 48.2  
65 21.3 17.0 25.4





#7  
Phenol-d6  
Concen: 118.116 ng  
RT: 6.713 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

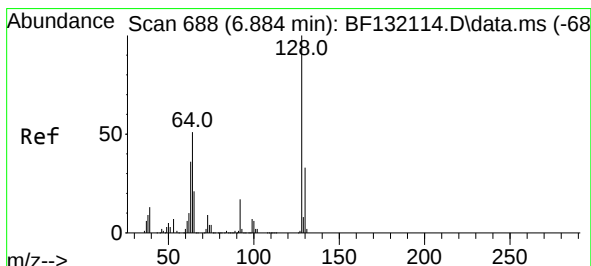
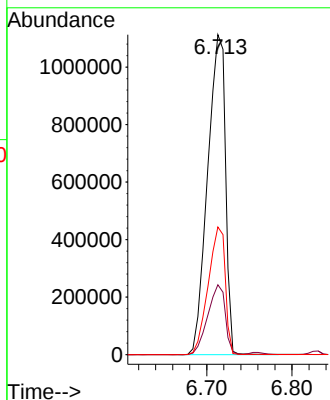
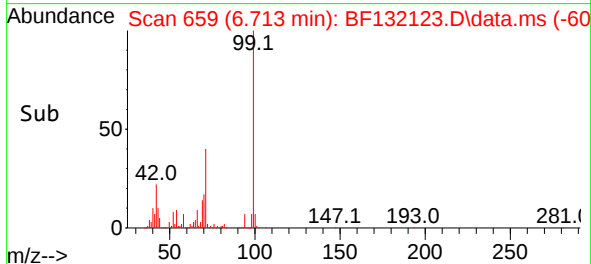
Instrument :  
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Tgt Ion: 99 Resp: 1619106  
Ion Ratio Lower Upper  
99 100  
42 21.9 17.2 25.8  
71 39.9 31.0 46.6

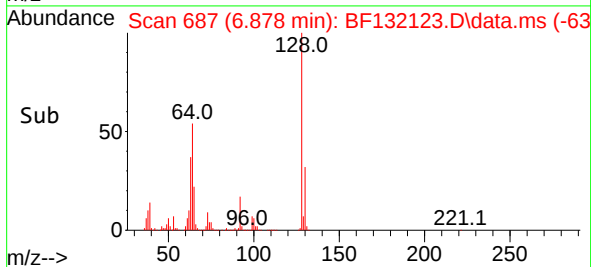
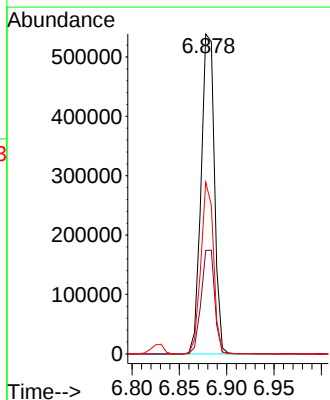
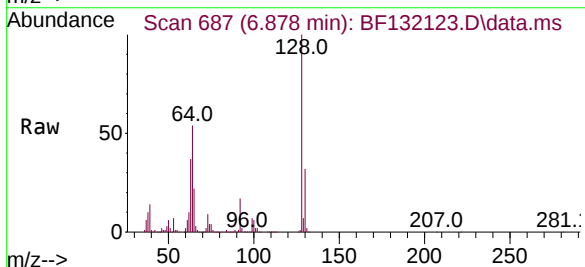
Manual Integrations  
APPROVED

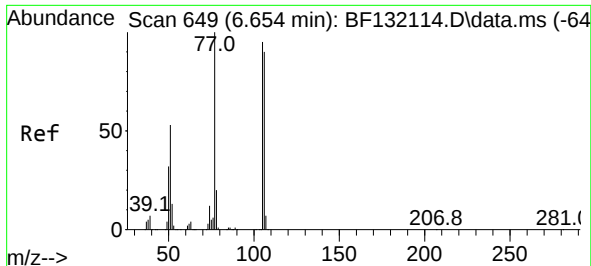
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#8  
2-Chlorophenol  
Concen: 46.841 ng  
RT: 6.878 min Scan# 687  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

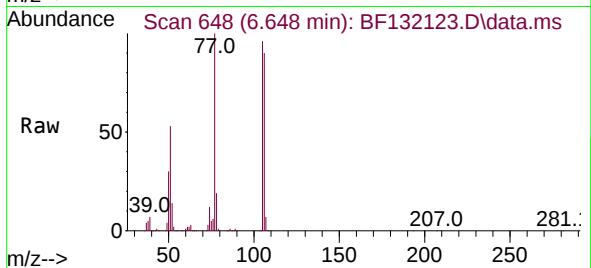
Tgt Ion:128 Resp: 528980  
Ion Ratio Lower Upper  
128 100  
130 32.4 13.1 53.1  
64 53.7 32.0 72.0





#9  
Benzaldehyde  
Concen: 20.990 ng  
RT: 6.648 min Scan# 649  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

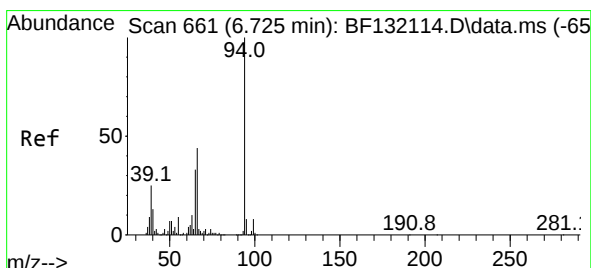
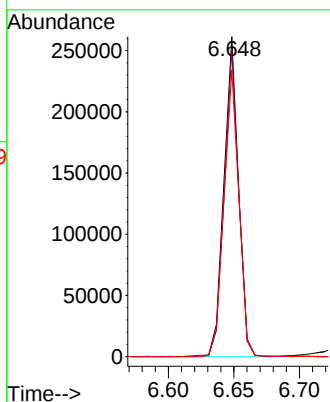
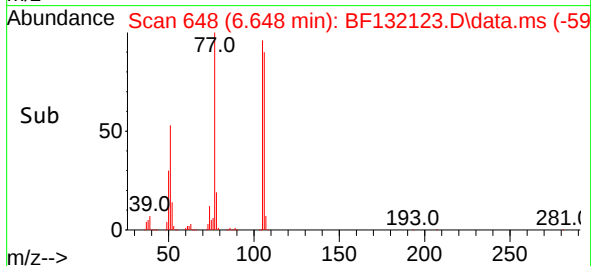
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



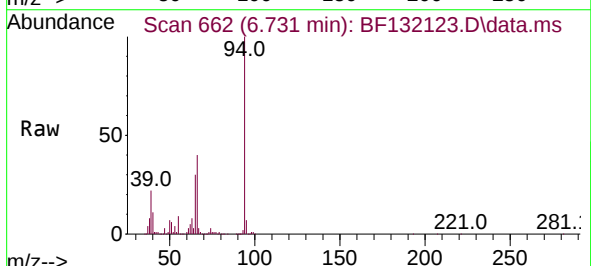
Tgt Ion: 77 Resp: 202163  
Ion Ratio Lower Upper  
77 100  
105 95.9 75.3 115.3  
106 89.6 70.2 110.2

Manual Integrations  
APPROVED

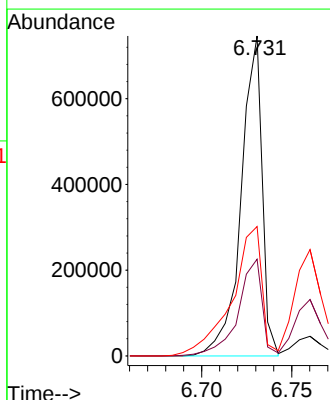
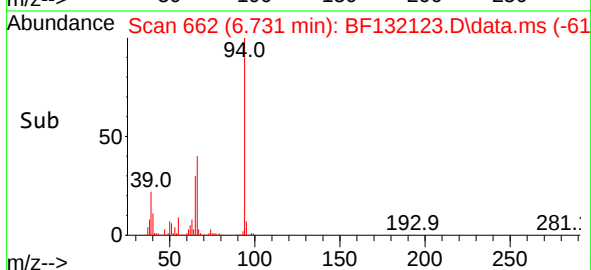
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

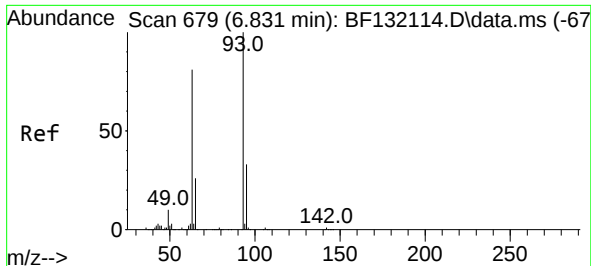


#10  
Phenol  
Concen: 42.787 ng m  
RT: 6.731 min Scan# 662  
Delta R.T. 0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



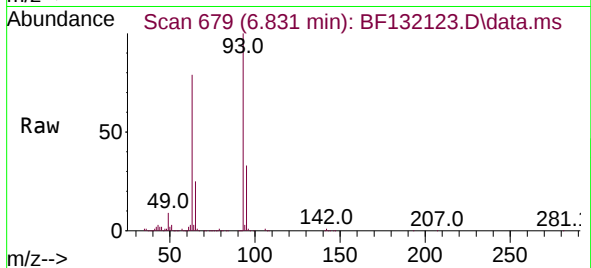
Tgt Ion: 94 Resp: 603530  
Ion Ratio Lower Upper  
94 100  
65 30.3 12.7 52.7  
66 40.4 23.8 63.8





#11  
bis(2-Chloroethyl)ether  
Concen: 44.210 ng  
RT: 6.831 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

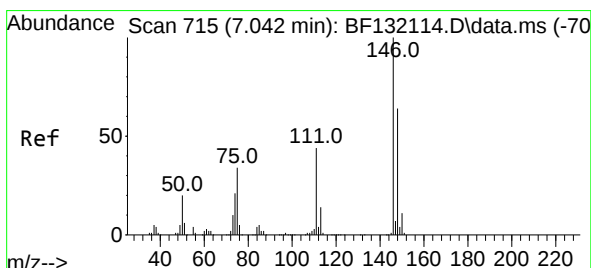
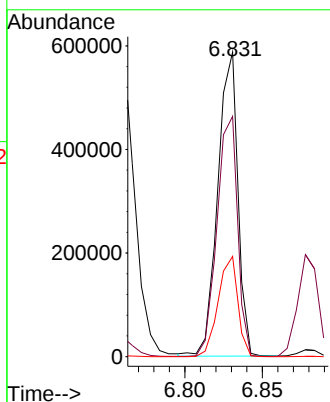
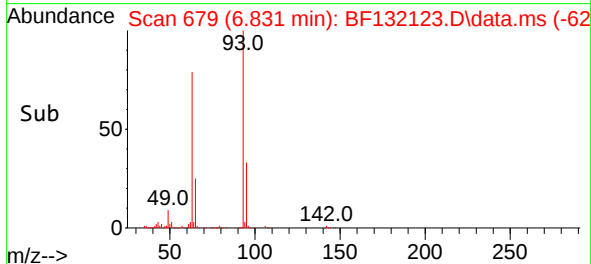
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion: 93 Resp: 530304  
Ion Ratio Lower Upper  
93 100  
63 78.9 60.8 100.8  
95 32.9 13.1 53.1

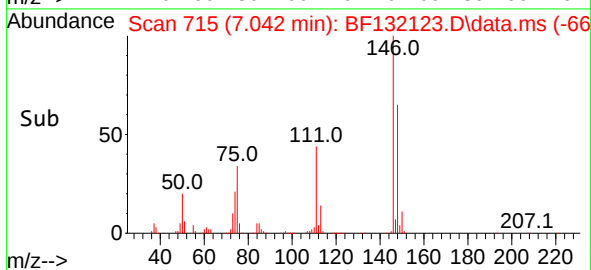
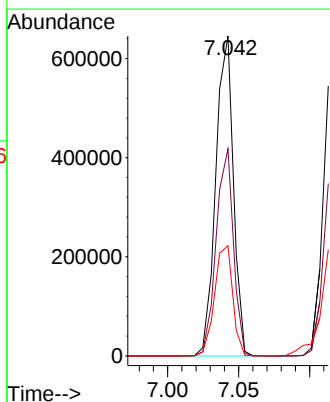
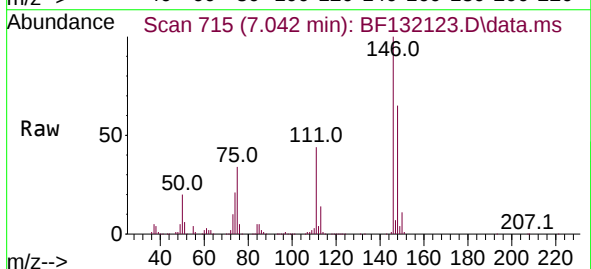
Manual Integrations  
APPROVED

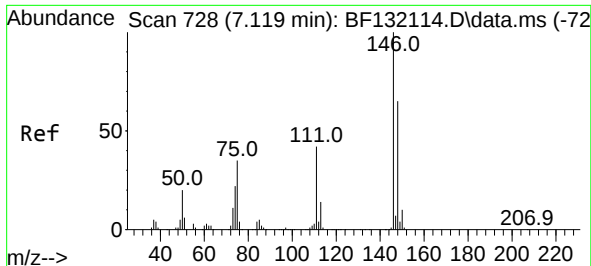
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#12  
1,3-Dichlorobenzene  
Concen: 44.920 ng  
RT: 7.042 min Scan# 715  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:146 Resp: 558271  
Ion Ratio Lower Upper  
146 100  
148 64.7 51.5 77.3  
75 34.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 44.586 ng

RT: 7.119 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:146 Resp: 55464

Ion Ratio Lower Upper

146 100

148 65.4 51.8 77.8

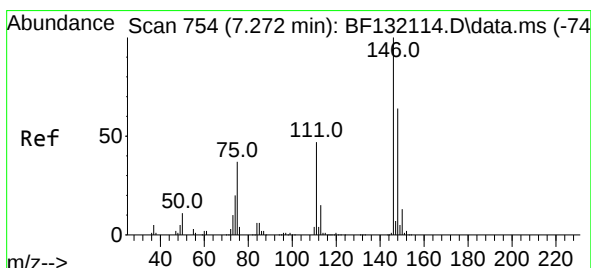
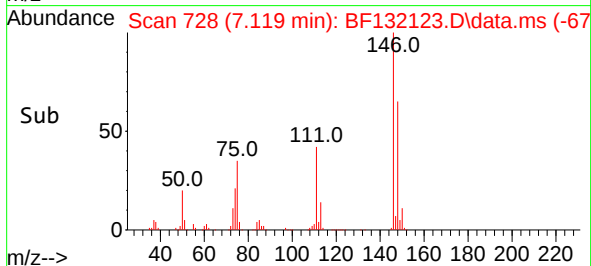
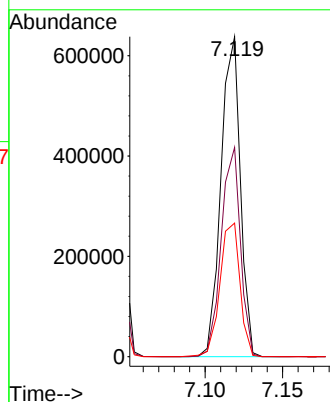
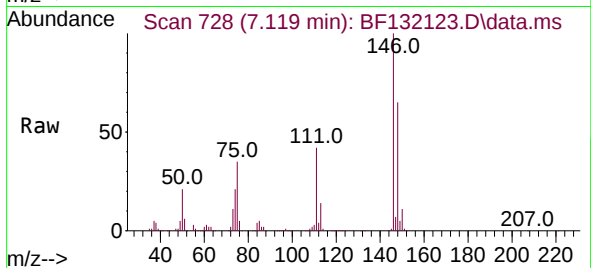
111 41.7 33.2 49.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#14

1,2-Dichlorobenzene

Concen: 45.507 ng

RT: 7.272 min Scan# 754

Delta R.T. -0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

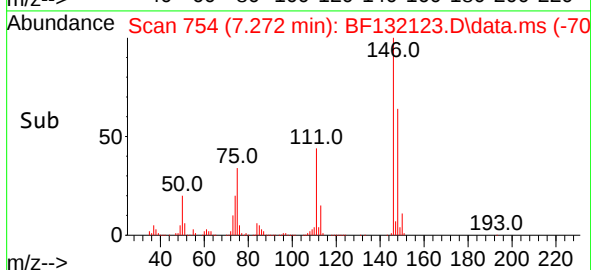
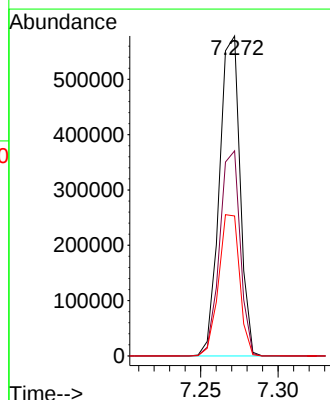
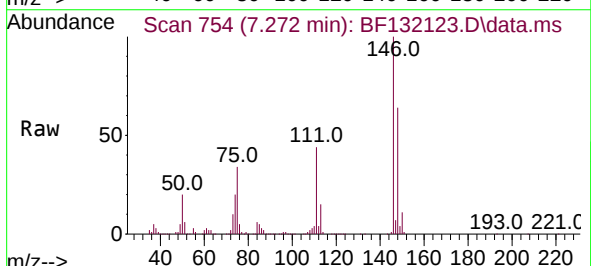
Tgt Ion:146 Resp: 536403

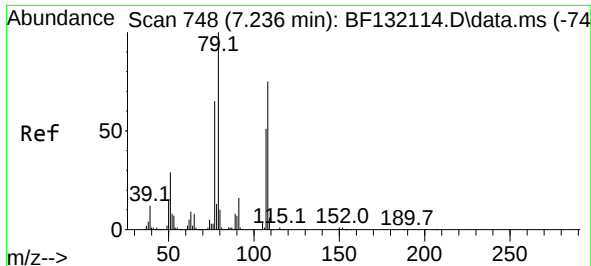
Ion Ratio Lower Upper

146 100

148 64.1 51.5 77.3

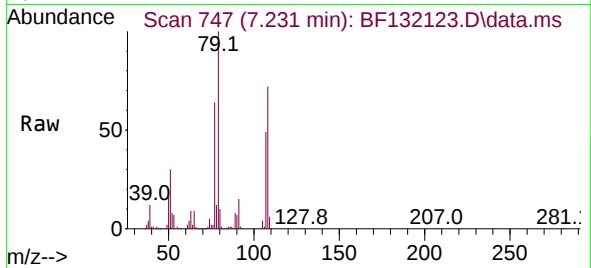
111 43.7 37.9 56.9





#15  
Benzyl Alcohol  
Concen: 43.949 ng  
RT: 7.231 min Scan# 748  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

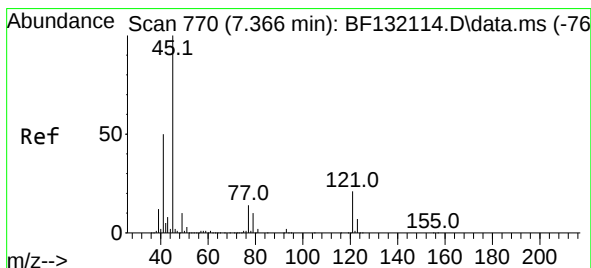
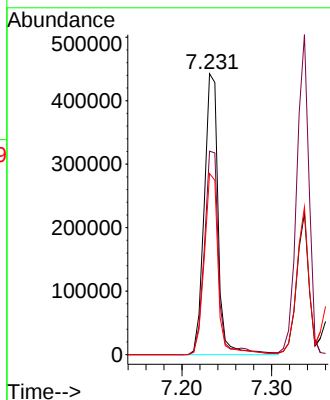
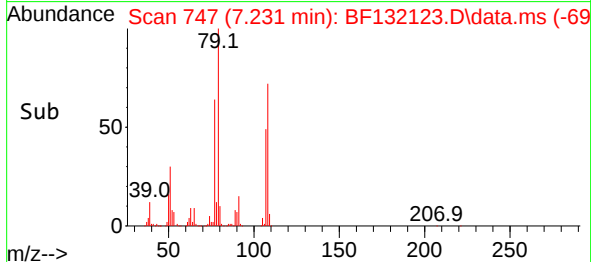
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



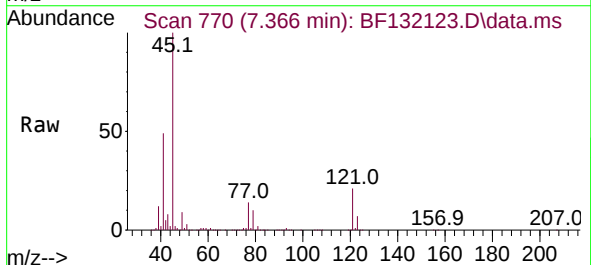
Tgt Ion: 79 Resp: 478852  
Ion Ratio Lower Upper  
79 100  
108 72.4 59.7 89.5  
77 64.4 51.9 77.9

Manual Integrations  
APPROVED

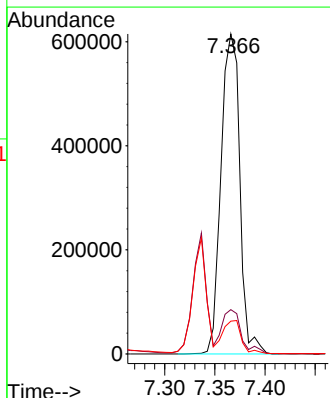
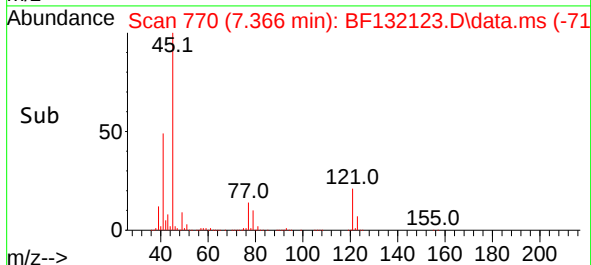
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

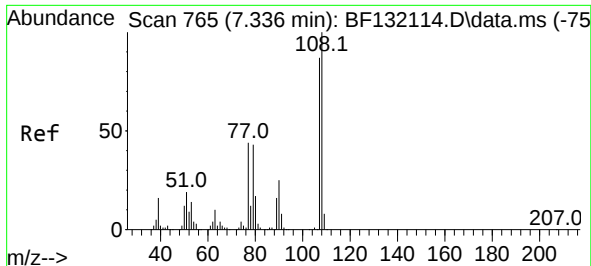


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.935 ng  
RT: 7.366 min Scan# 770  
Delta R.T. -0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



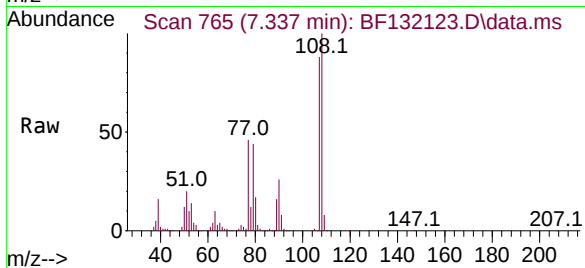
Tgt Ion: 45 Resp: 802396  
Ion Ratio Lower Upper  
45 100  
77 13.9 0.0 34.1  
79 10.2 0.0 30.5





#17  
2-Methylphenol  
Concen: 41.014 ng  
RT: 7.337 min Scan# 70  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

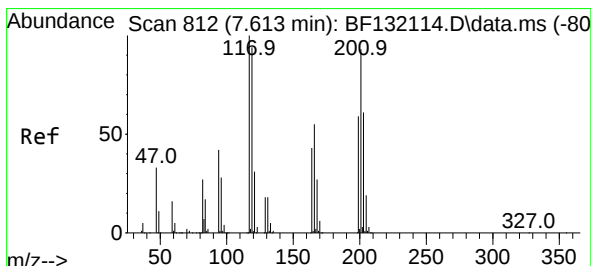
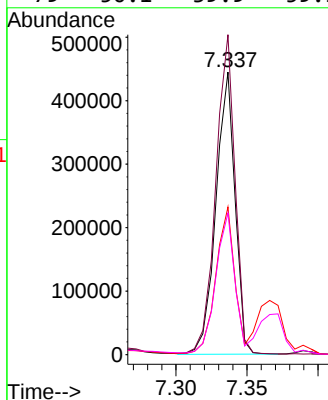
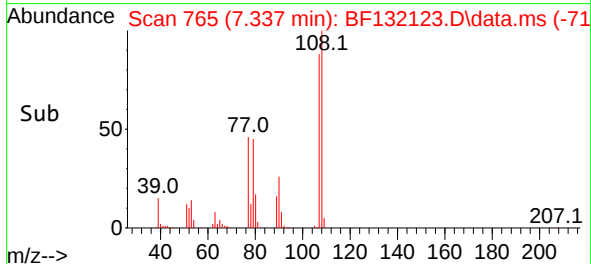
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 416872 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 113.3 | 91.7  | 137.5  |
| 77        | 52.2  | 40.6  | 60.8   |
| 79        | 50.1  | 39.9  | 59.9   |

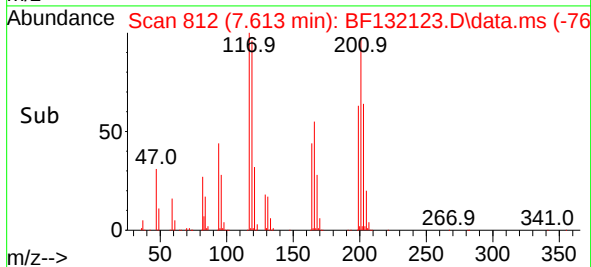
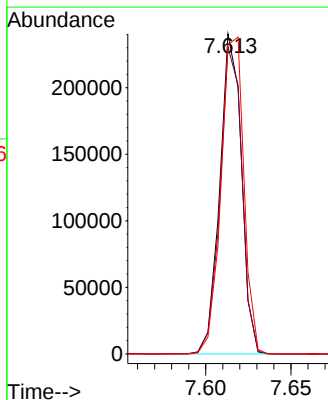
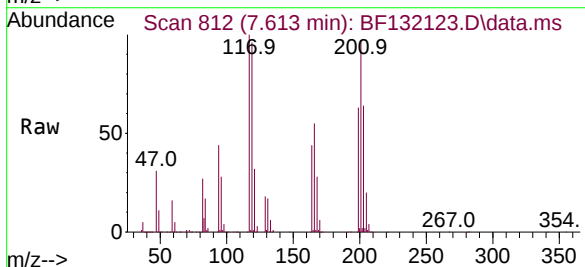
Manual Integrations  
APPROVED

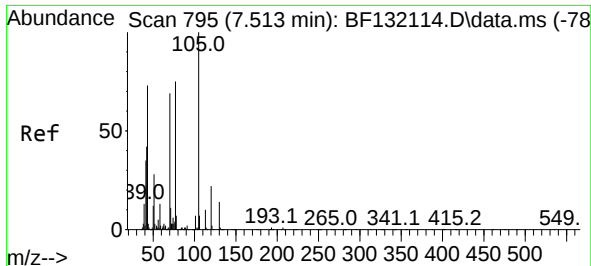
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#18  
Hexachloroethane  
Concen: 46.195 ng  
RT: 7.613 min Scan# 812  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

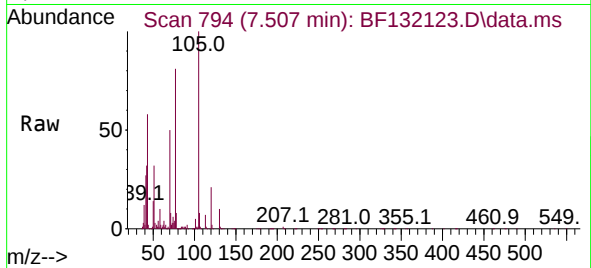
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 211799 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 95.9  | 75.5  | 113.3  |
| 201       | 96.6  | 74.0  | 111.0  |





#19  
n-Nitroso-di-n-propylamine  
Concen: 40.881 ng  
RT: 7.507 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

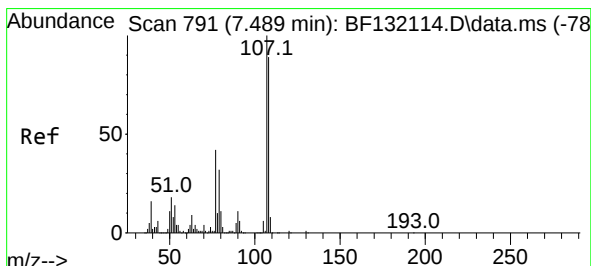
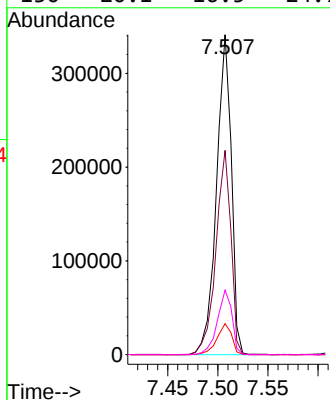
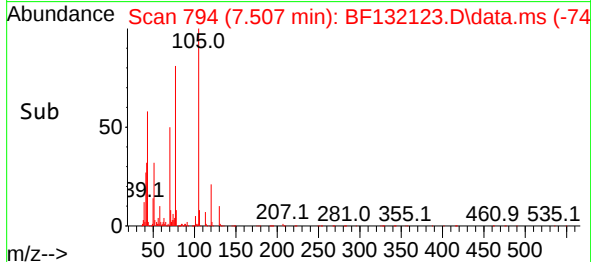
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



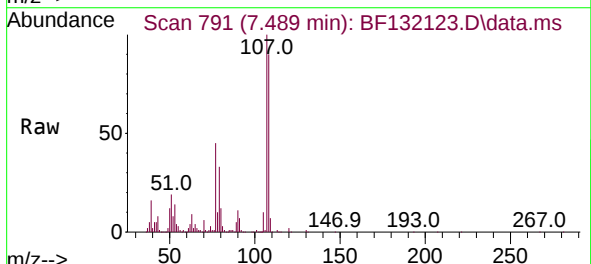
Tgt Ion: 70 Resp: 352307  
Ion Ratio Lower Upper  
70 100  
42 63.8 48.5 72.7  
101 9.7 7.8 11.8  
130 20.1 16.5 24.7

Manual Integrations  
APPROVED

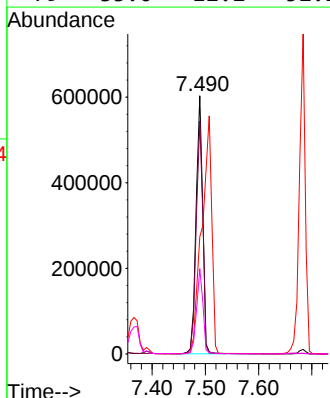
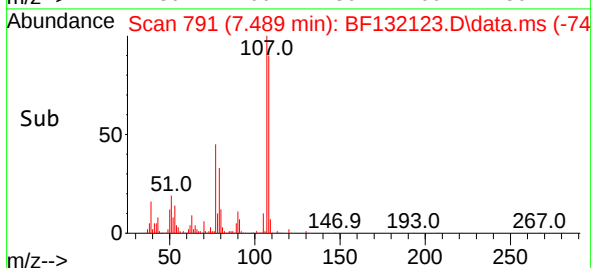
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

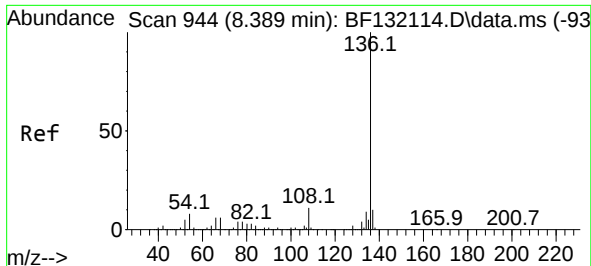


#20  
3+4-Methylphenols  
Concen: 41.333 ng  
RT: 7.489 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:107 Resp: 521441  
Ion Ratio Lower Upper  
107 100  
108 90.3 68.9 108.9  
77 45.3 22.4 62.4  
79 33.0 12.2 52.2





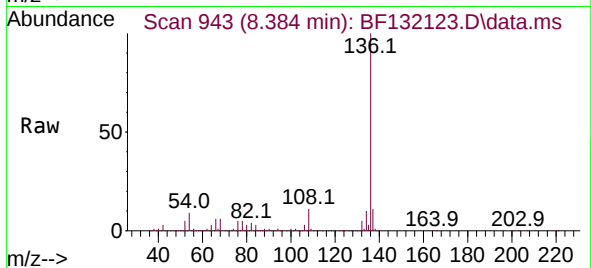
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.384 min Scan# 944  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

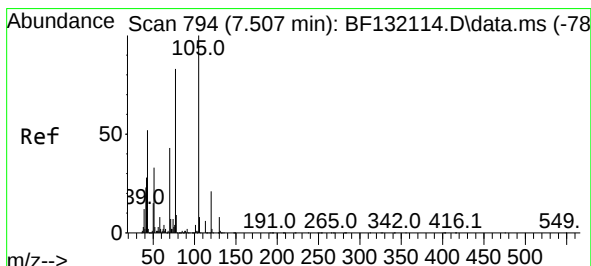
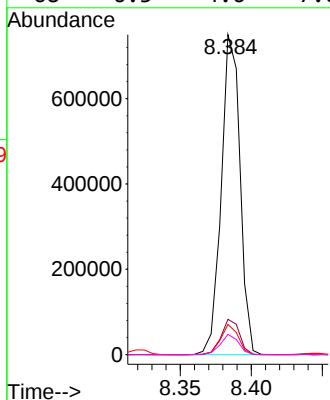
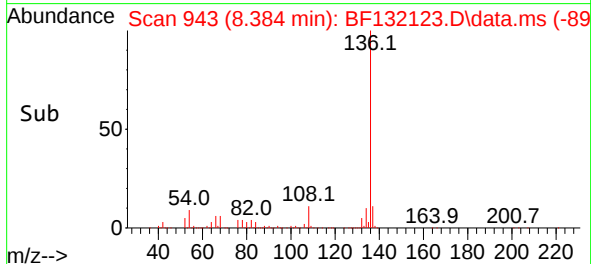


Tgt Ion:136 Resp: 689522  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 9.4 6.6 10.0  
68 6.3 4.6 7.0

Manual Integrations

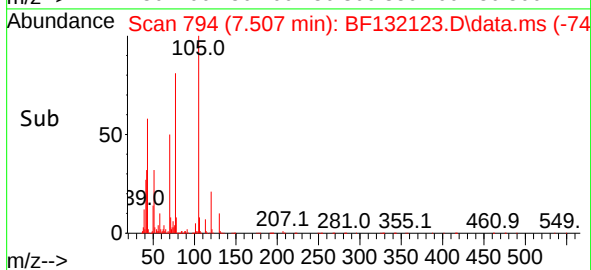
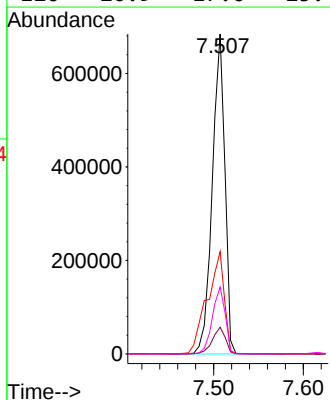
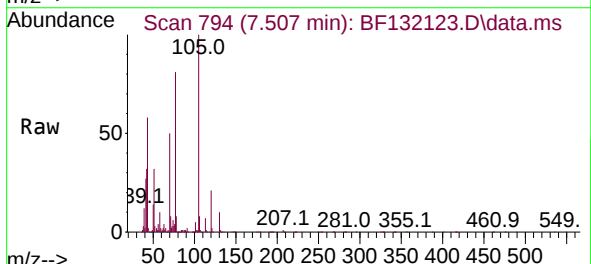
APPROVED

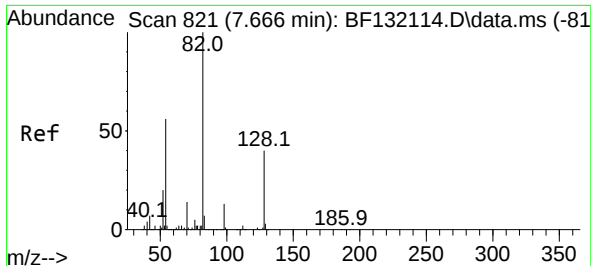
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#22  
Acetophenone  
Concen: 42.206 ng  
RT: 7.507 min Scan# 794  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

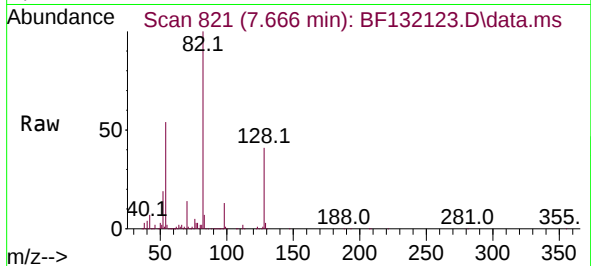
Tgt Ion:105 Resp: 671306  
Ion Ratio Lower Upper  
105 100  
71 8.3 6.0 9.0  
51 32.0 26.6 39.8  
120 20.9 17.0 25.4





#23  
Nitrobenzene-d5  
Concen: 84.125 ng  
RT: 7.666 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

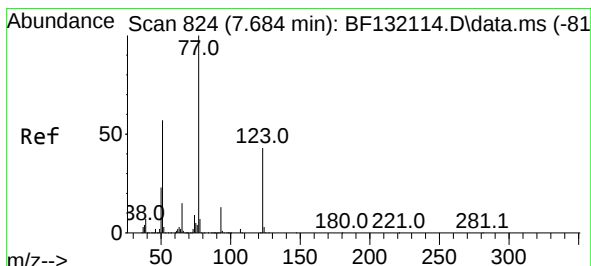
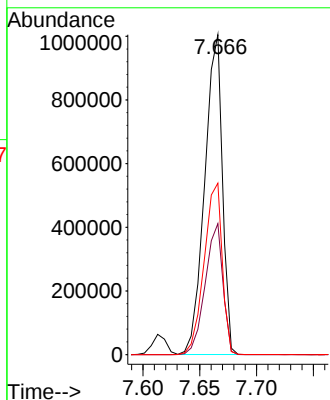
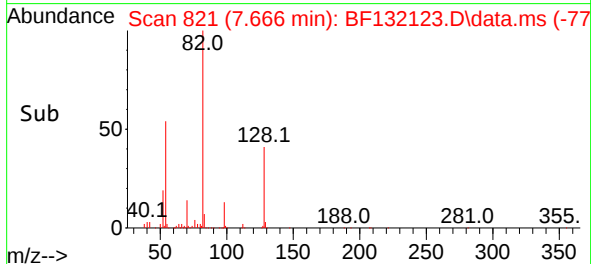
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



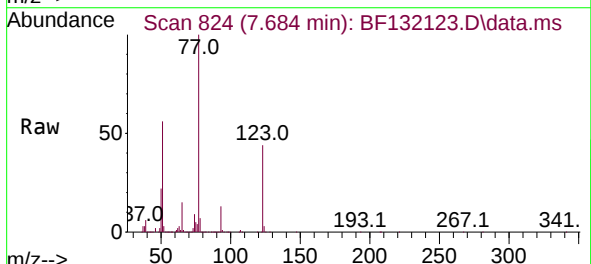
Tgt Ion: 82 Resp: 109280  
Ion Ratio Lower Upper  
82 100  
128 40.9 32.0 48.0  
54 53.6 45.1 67.7

Manual Integrations  
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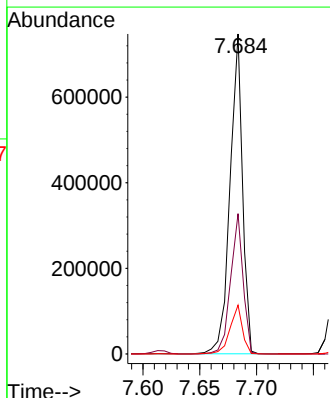
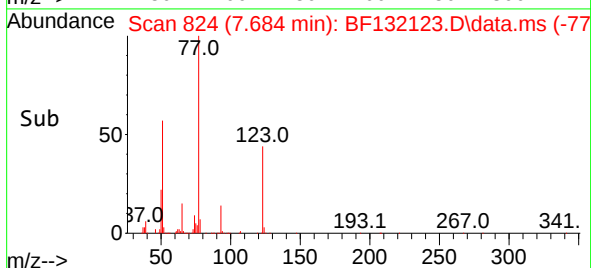
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

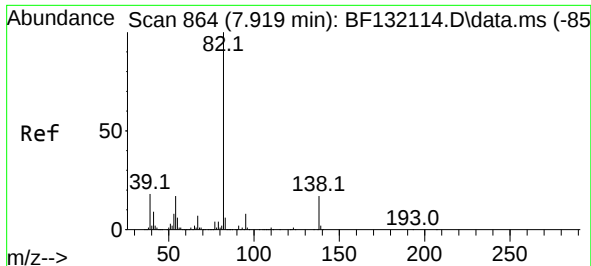


#24  
Nitrobenzene  
Concen: 42.161 ng  
RT: 7.684 min Scan# 824  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



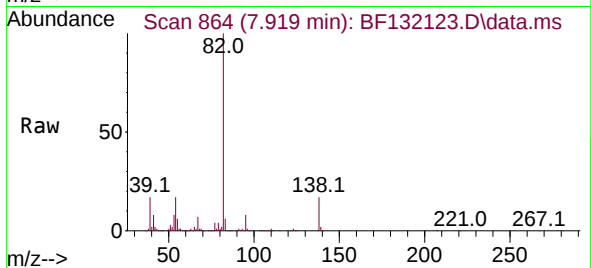
Tgt Ion: 77 Resp: 573477  
Ion Ratio Lower Upper  
77 100  
123 43.8 34.6 52.0  
65 15.2 11.8 17.8





#25  
Isophorone  
Concen: 41.362 ng  
RT: 7.919 min Scan# 864  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

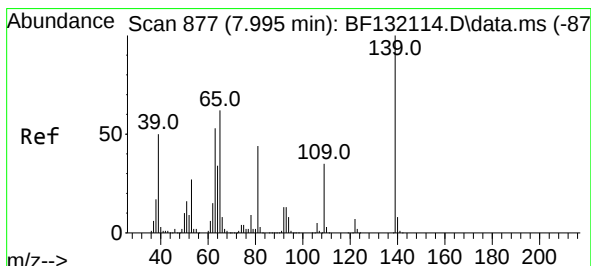
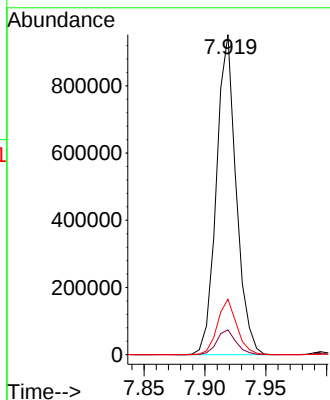
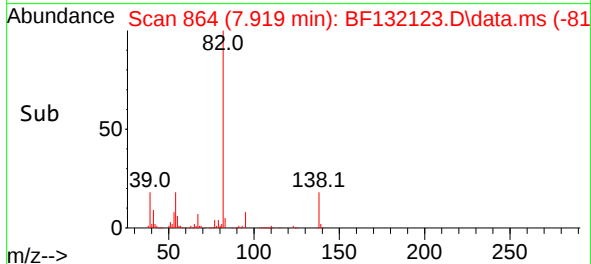
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion: 82 Resp: 1075085  
Ion Ratio Lower Upper  
82 100  
95 7.7 6.3 9.5  
138 17.3 13.4 20.2

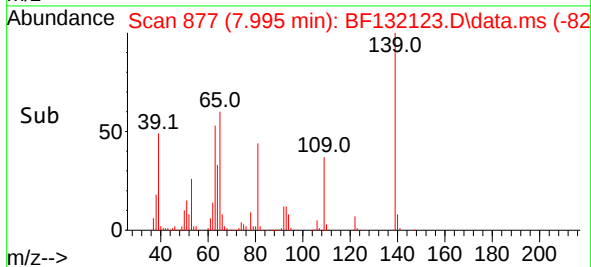
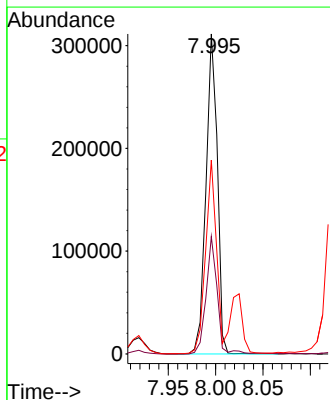
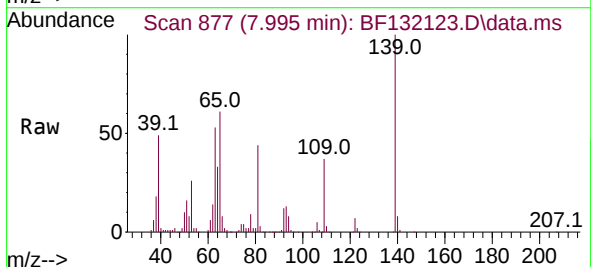
Manual Integrations  
APPROVED

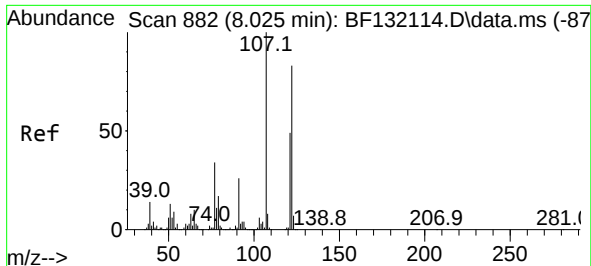
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#26  
2-Nitrophenol  
Concen: 46.968 ng  
RT: 7.995 min Scan# 877  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

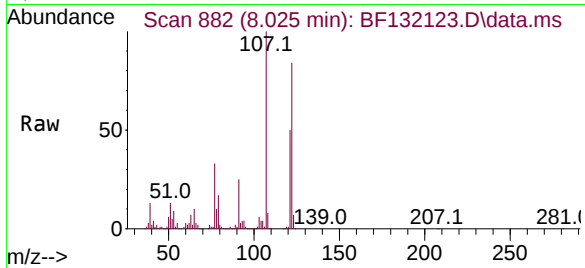
Tgt Ion:139 Resp: 260301  
Ion Ratio Lower Upper  
139 100  
109 36.7 28.3 42.5  
65 60.6 49.6 74.4





#27  
2,4-Dimethylphenol  
Concen: 42.711 ng  
RT: 8.025 min Scan# 882  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

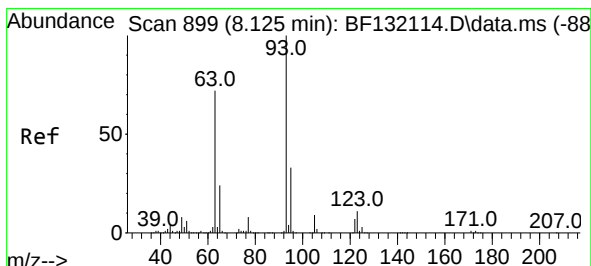
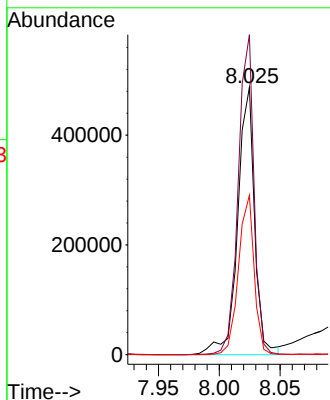
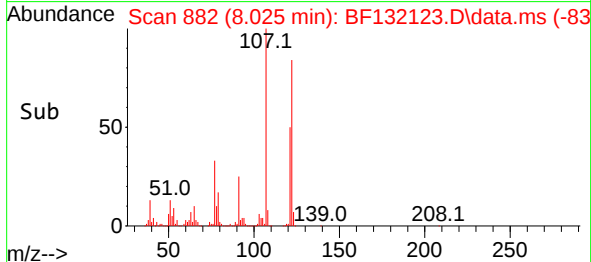
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



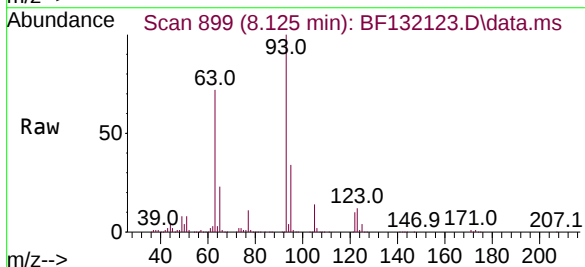
Tgt Ion:122 Resp: 471895  
Ion Ratio Lower Upper  
122 100  
107 119.7 96.1 144.1  
121 59.6 47.2 70.8

Manual Integrations  
APPROVED

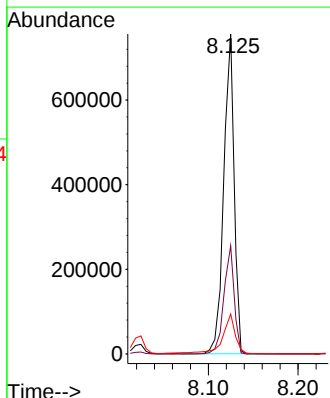
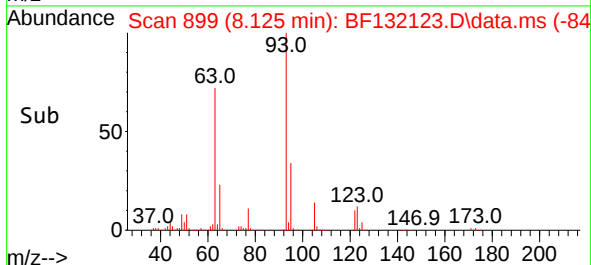
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

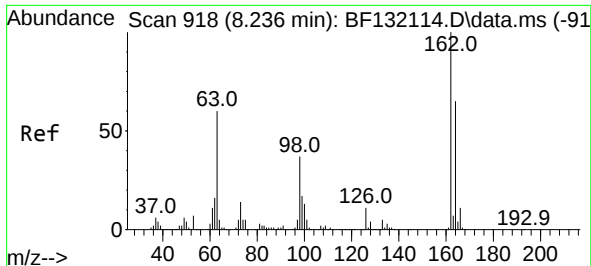


#28  
bis(2-Chloroethoxy)methane  
Concen: 40.990 ng  
RT: 8.125 min Scan# 899  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion: 93 Resp: 610966  
Ion Ratio Lower Upper  
93 100  
95 33.8 26.7 40.1  
123 12.5 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 42.586 ng

RT: 8.236 min Scan# 918

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

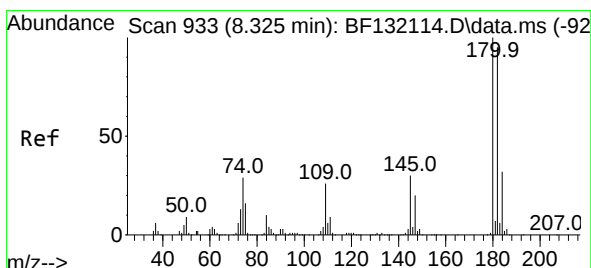
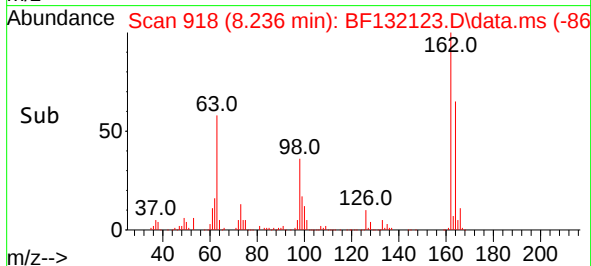
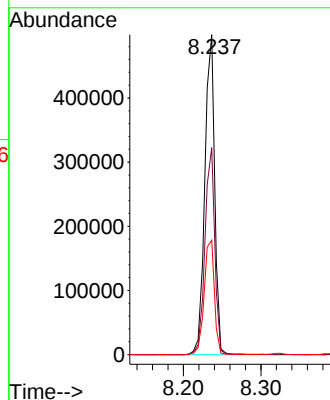
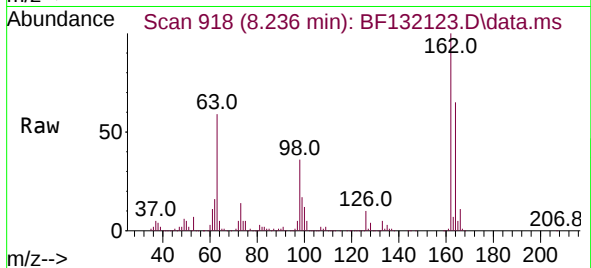
PB150315BS

Tgt Ion:162 Resp: 440919  
 Ion Ratio Lower Upper  
 162 100  
 164 64.7 45.1 85.1  
 98 35.7 16.8 56.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.676 ng

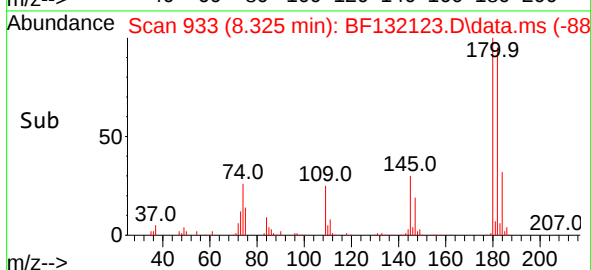
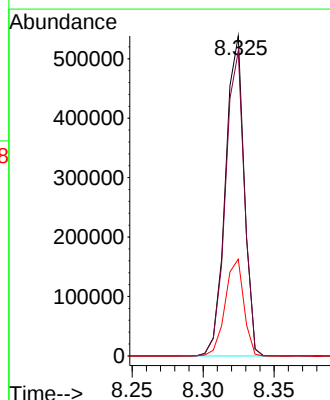
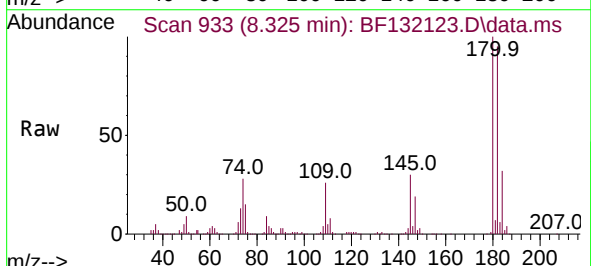
RT: 8.325 min Scan# 933

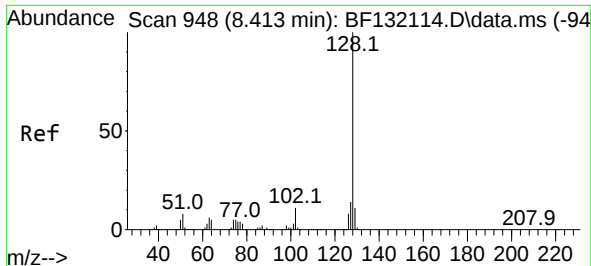
Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

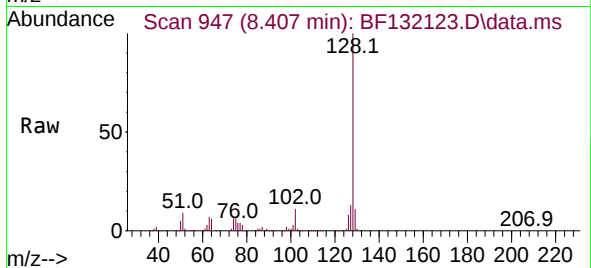
Tgt Ion:180 Resp: 494150  
 Ion Ratio Lower Upper  
 180 100  
 182 95.2 75.9 113.9  
 145 30.2 24.3 36.5





#31  
Naphthalene  
Concen: 41.281 ng  
RT: 8.407 min Scan# 948  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

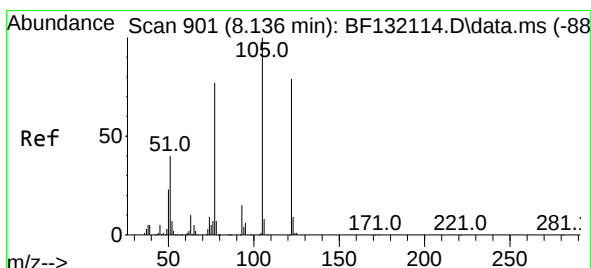
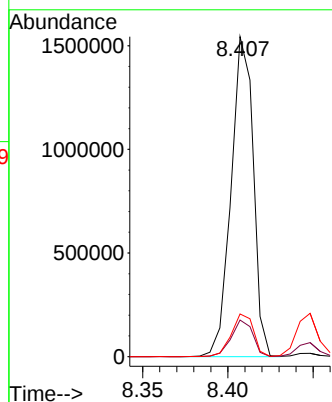
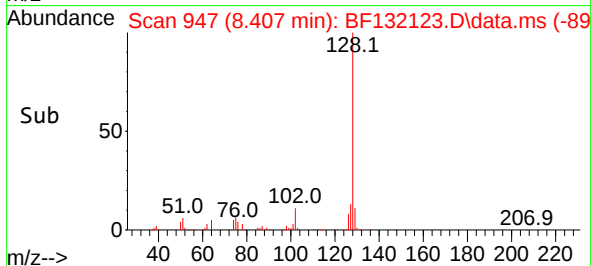
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



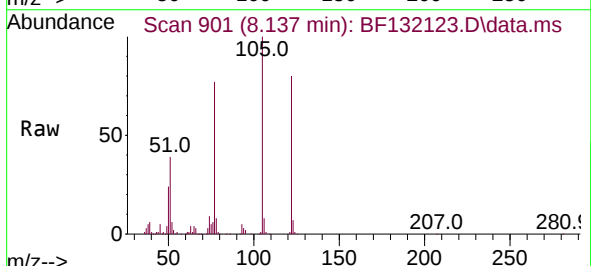
Tgt Ion:128 Resp: 1397523  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.9 13.3  
127 13.3 10.8 16.2

Manual Integrations  
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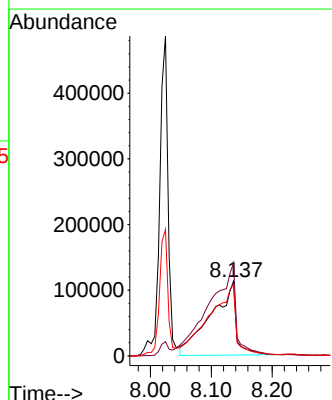
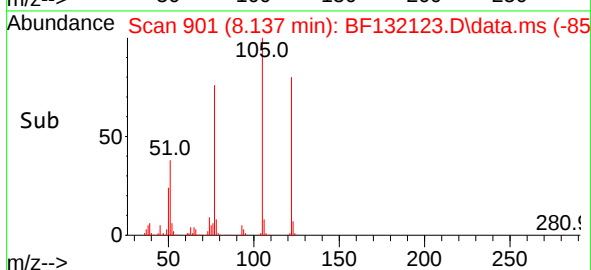
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

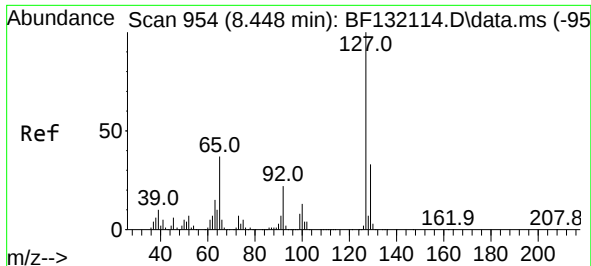


#32  
Benzoic acid  
Concen: 43.136 ng  
RT: 8.137 min Scan# 901  
Delta R.T. 0.001 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:122 Resp: 327410  
Ion Ratio Lower Upper  
122 100  
105 124.9 106.2 146.2  
77 95.9 77.3 117.3





#33  
4-Chloroaniline  
Concen: 13.042 ng  
RT: 8.448 min Scan# 954  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

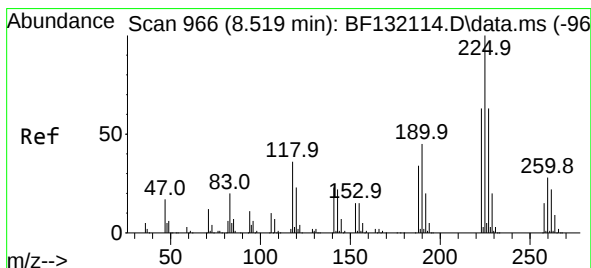
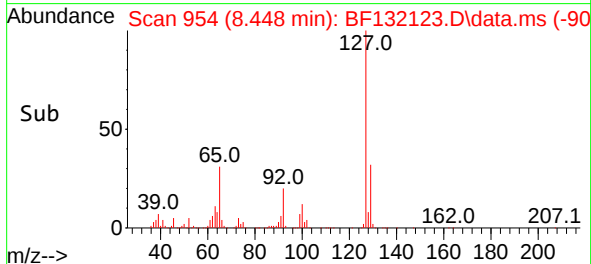
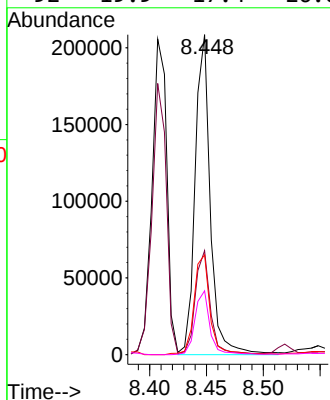
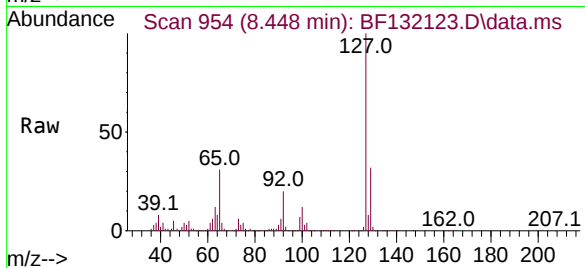
ClientSampleId :

PB150315BS

Tgt Ion:127 Resp: 193861  
Ion Ratio Lower Upper  
127 100  
129 32.5 26.1 39.1  
65 31.2 29.7 44.5  
92 19.9 17.4 26.0

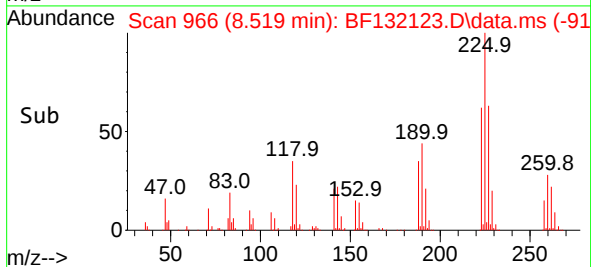
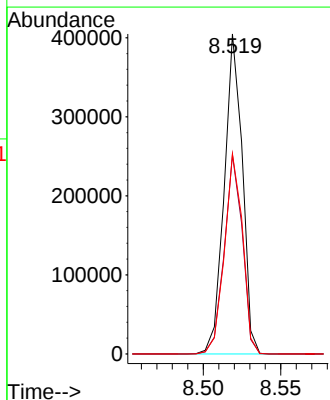
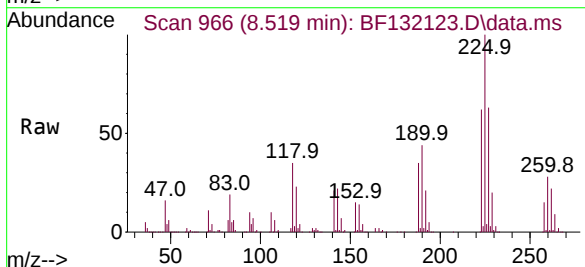
Manual Integrations  
APPROVED

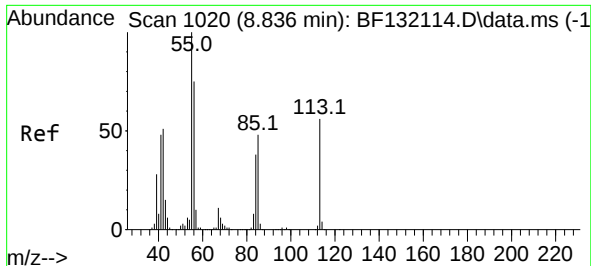
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#34  
Hexachlorobutadiene  
Concen: 44.167 ng  
RT: 8.519 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

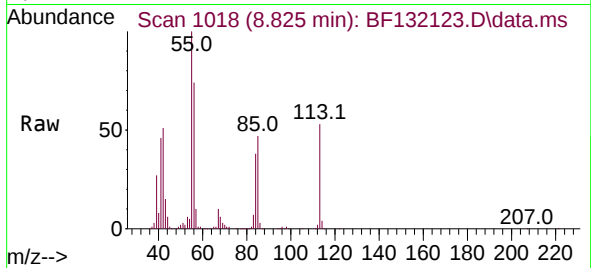
Tgt Ion:225 Resp: 329541  
Ion Ratio Lower Upper  
225 100  
223 62.2 50.6 76.0  
227 62.5 50.1 75.1





#35  
Caprolactam  
Concen: 43.502 ng m  
RT: 8.825 min Scan# 10  
Delta R.T. -0.012 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

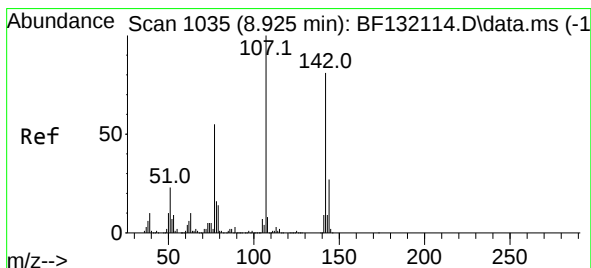
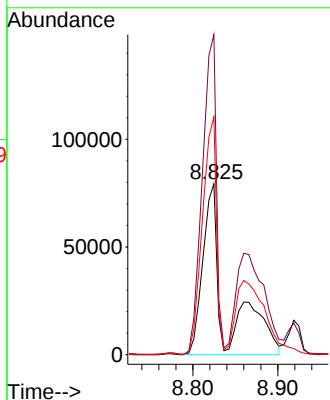
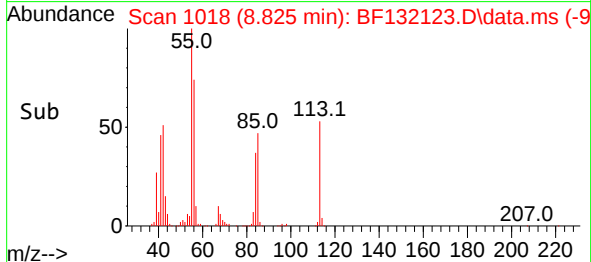
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion:113 Resp: 146358  
Ion Ratio Lower Upper  
113 100  
55 187.3 159.1 199.1  
56 139.1 115.0 155.0

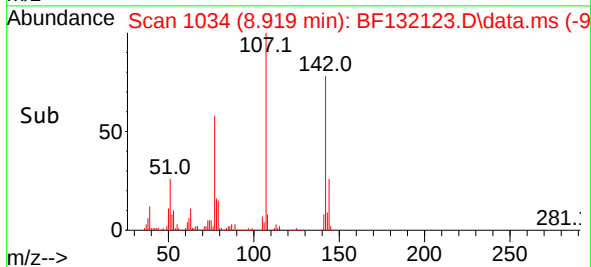
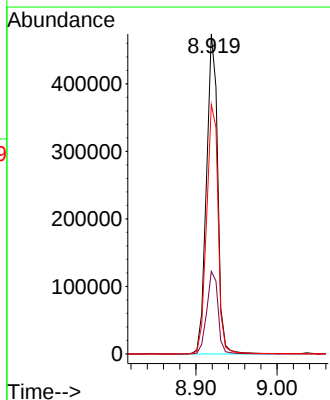
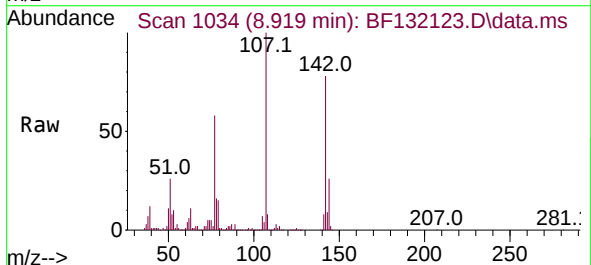
Manual Integrations  
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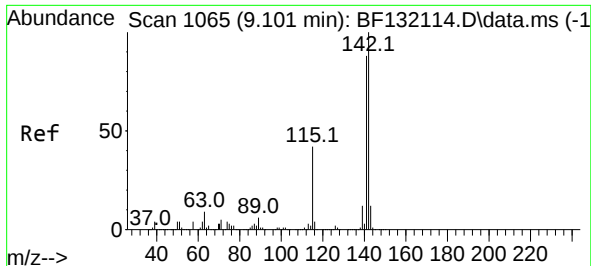
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#36  
4-Chloro-3-methylphenol  
Concen: 42.297 ng  
RT: 8.919 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:107 Resp: 456646  
Ion Ratio Lower Upper  
107 100  
144 25.8 21.4 32.0  
142 77.9 64.6 97.0





#37

2-Methylnaphthalene

Concen: 39.646 ng

RT: 9.101 min Scan# 1065

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:142 Resp: 93464

Ion Ratio Lower Upper

142 100

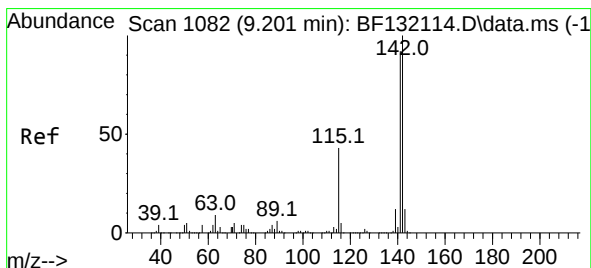
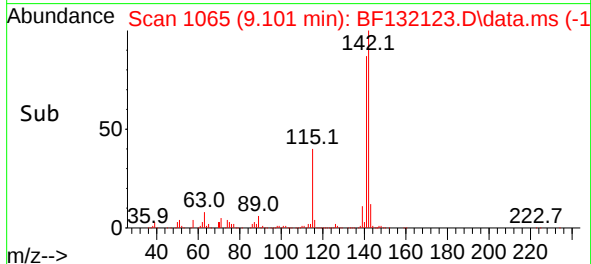
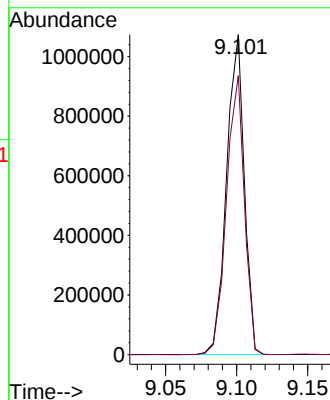
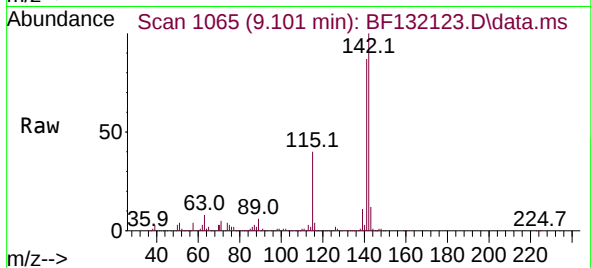
141 87.2 70.8 106.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#38

1-Methylnaphthalene

Concen: 39.198 ng

RT: 9.201 min Scan# 1082

Delta R.T. 0.000 min

Lab File: BF132123.D

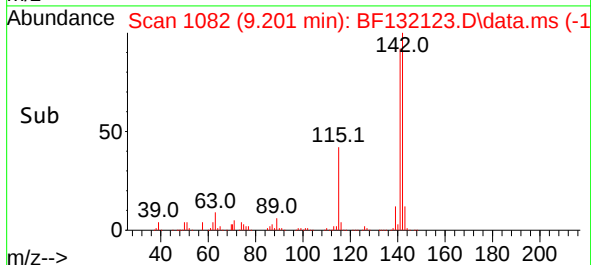
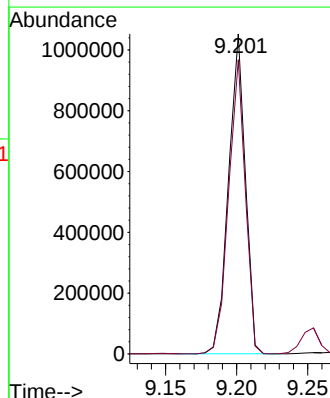
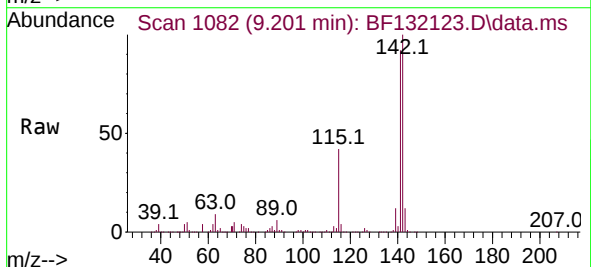
Acq: 18 Jan 2023 17:47

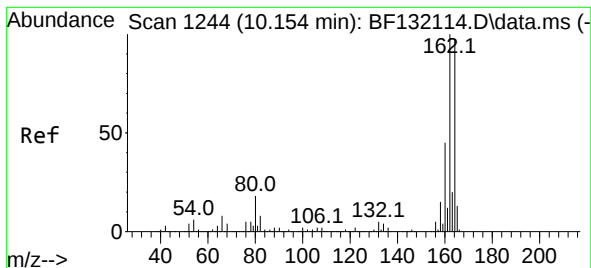
Tgt Ion:142 Resp: 868223

Ion Ratio Lower Upper

142 100

141 92.0 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.154 min Scan# 1244

Delta R.T. 0.000 min

Lab File: BF132123.D

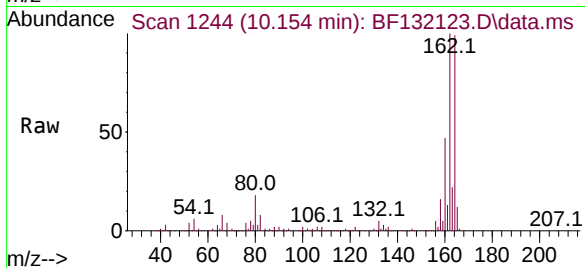
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS



Tgt Ion:164 Resp: 367139

Ion Ratio Lower Upper

164 100

162 101.2 82.3 123.5

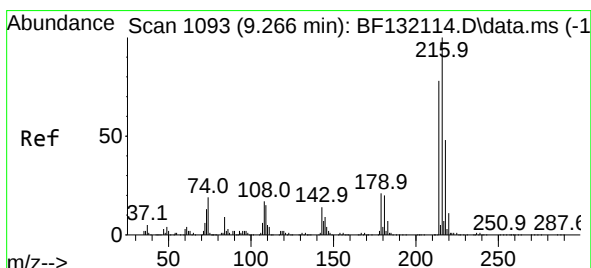
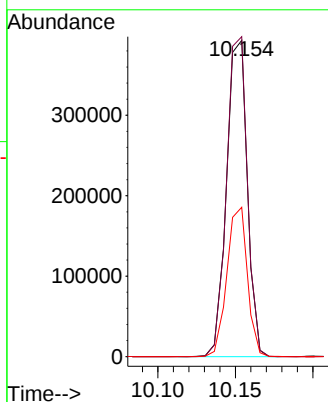
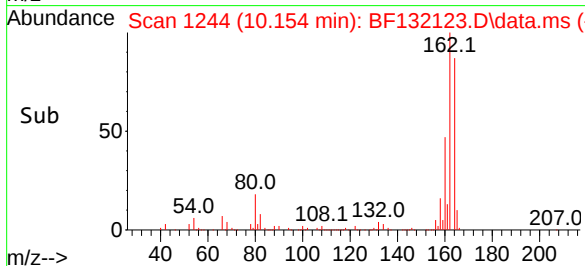
160 47.2 37.3 55.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.023 ng

RT: 9.266 min Scan# 1093

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Tgt Ion:216 Resp: 495878

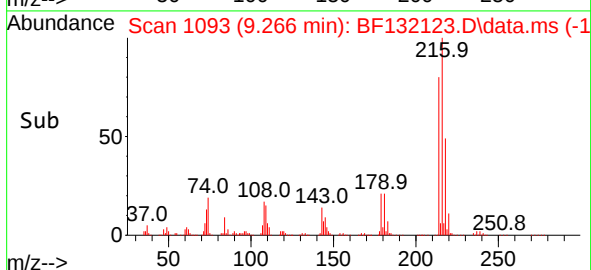
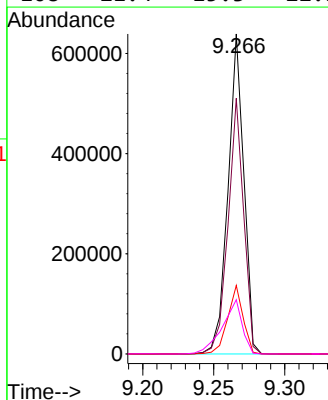
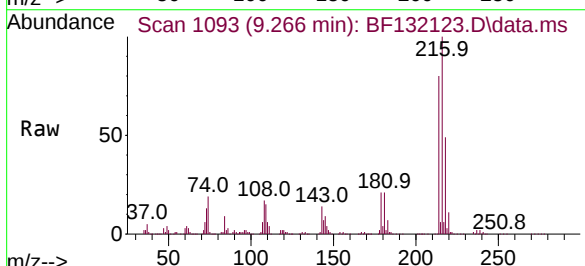
Ion Ratio Lower Upper

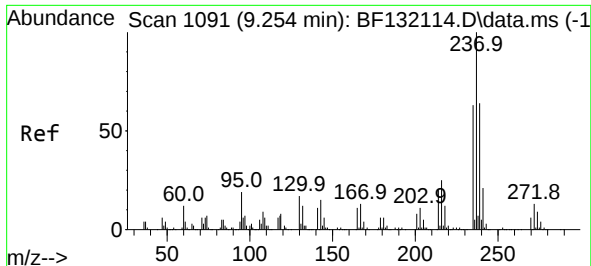
216 100

214 78.9 62.8 94.2

179 20.9 16.8 25.2

108 21.4 15.3 22.9





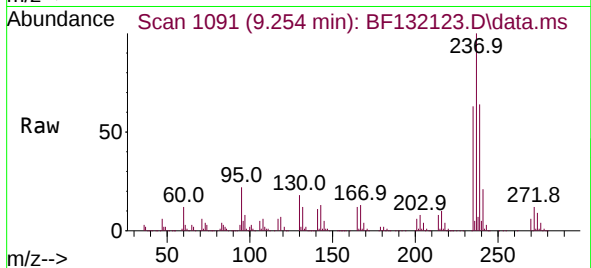
#41  
Hexachlorocyclopentadiene  
Concen: 100.249 ng  
RT: 9.254 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

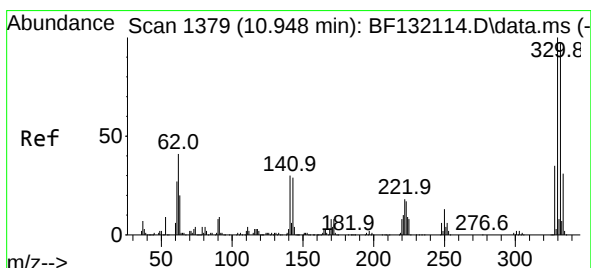
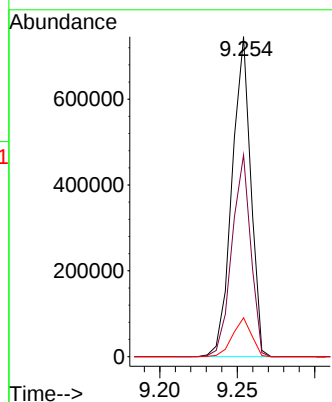
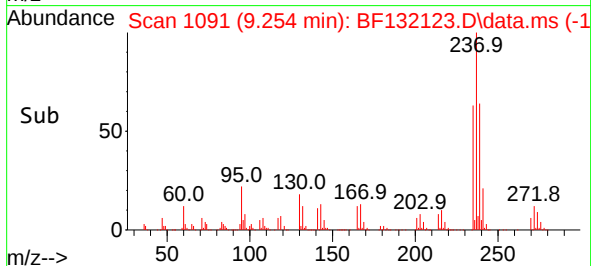


Tgt Ion:237 Resp: 628639  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.2 83.2  
272 12.1 0.0 32.6

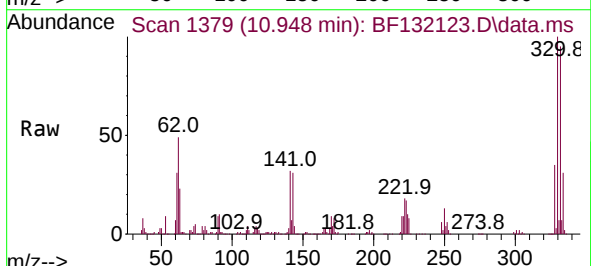
Manual Integrations

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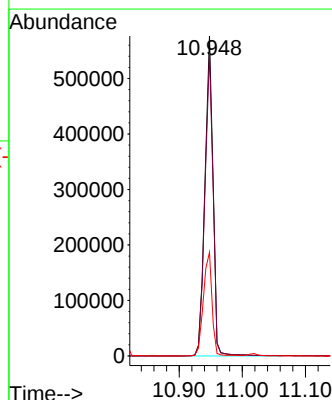
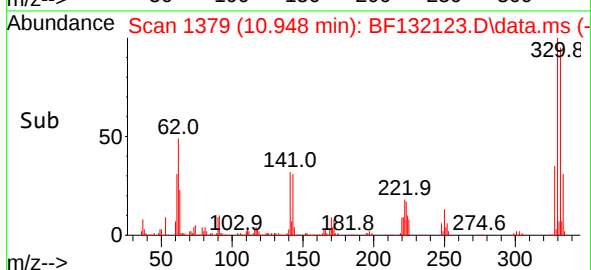
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

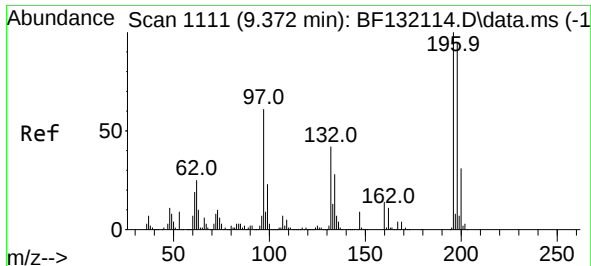


#42  
2,4,6-Tribromophenol  
Concen: 127.678 ng  
RT: 10.948 min Scan# 1379  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:330 Resp: 512880  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.1 115.7  
141 34.6 28.2 42.4





#43

2,4,6-Trichlorophenol

Concen: 45.005 ng

RT: 9.372 min Scan# 1111

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:196 Resp: 34130

Ion Ratio Lower Upper

196 100

198 95.5 76.3 114.5

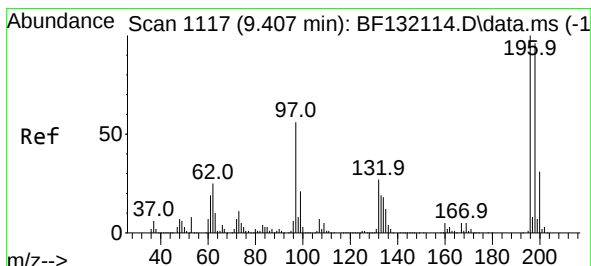
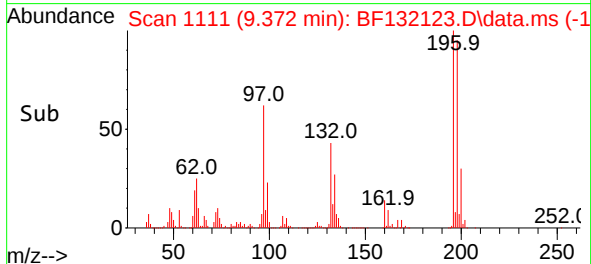
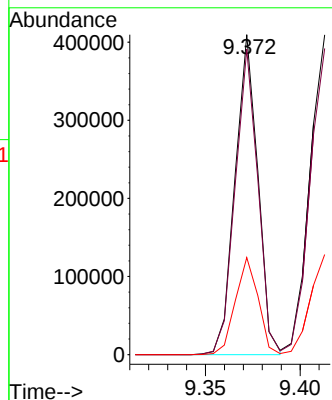
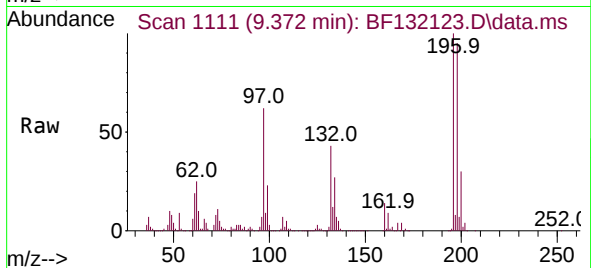
200 30.3 24.6 36.8

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#44

2,4,5-Trichlorophenol

Concen: 40.801 ng

RT: 9.413 min Scan# 1118

Delta R.T. 0.006 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Tgt Ion:196 Resp: 378123

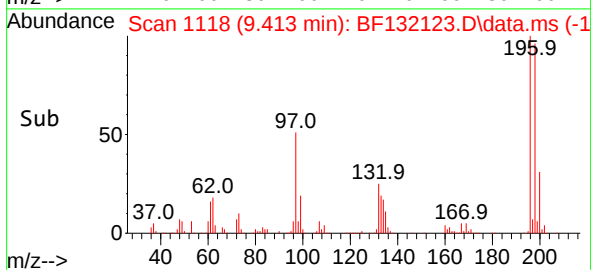
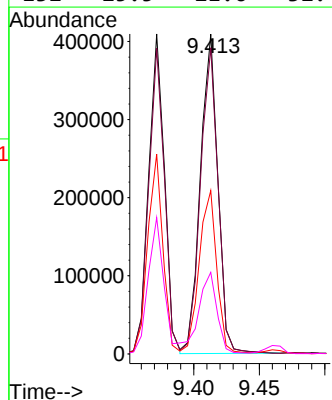
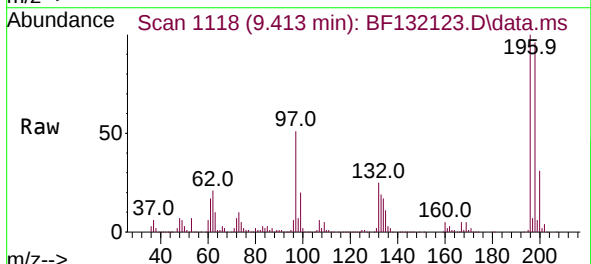
Ion Ratio Lower Upper

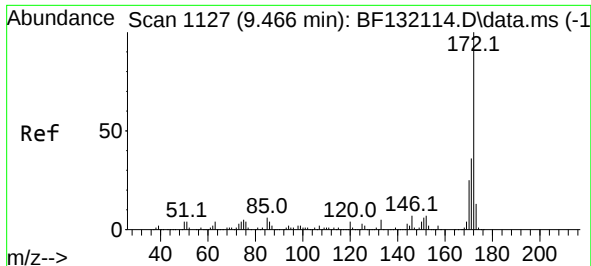
196 100

198 95.8 76.5 114.7

97 51.1 44.8 67.2

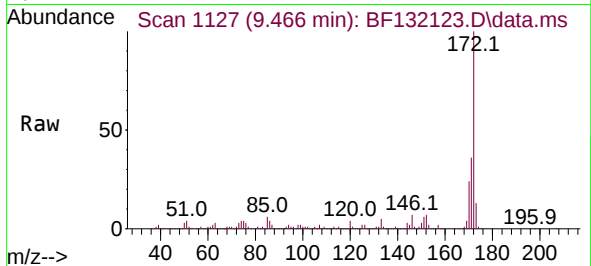
132 25.5 21.6 32.4





#45  
2-Fluorobiphenyl  
Concen: 84.156 ng  
RT: 9.466 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

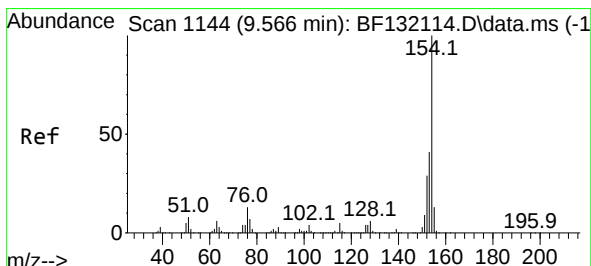
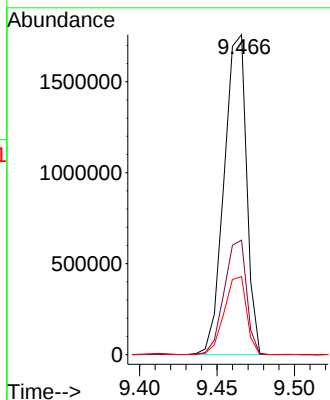
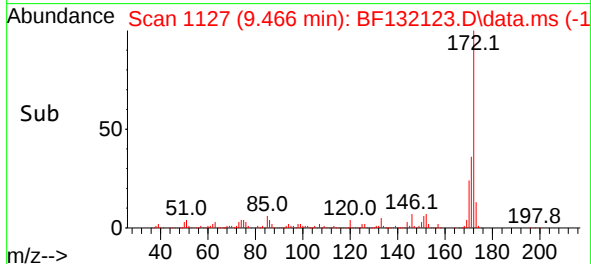
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



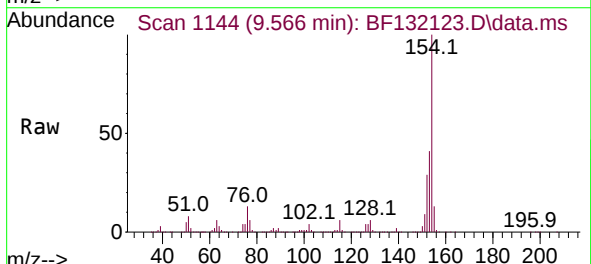
Tgt Ion:172 Resp: 1775788  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.0 43.4  
170 24.4 19.7 29.5

Manual Integrations  
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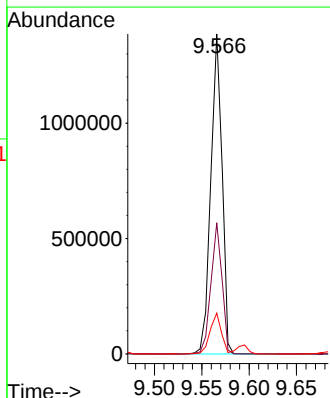
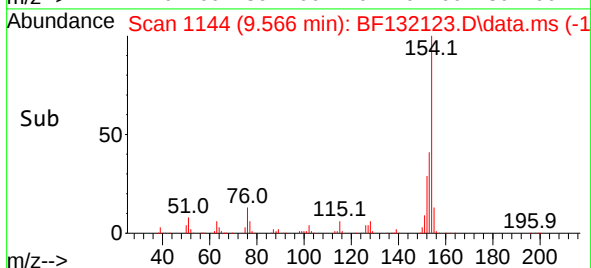
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

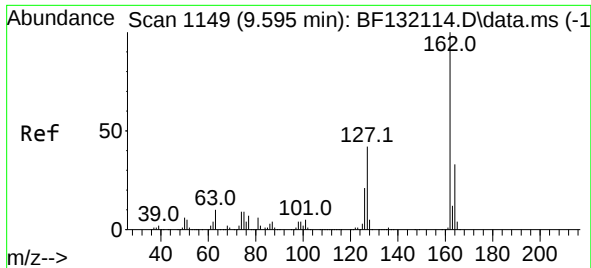


#46  
1,1'-Biphenyl  
Concen: 42.388 ng  
RT: 9.566 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



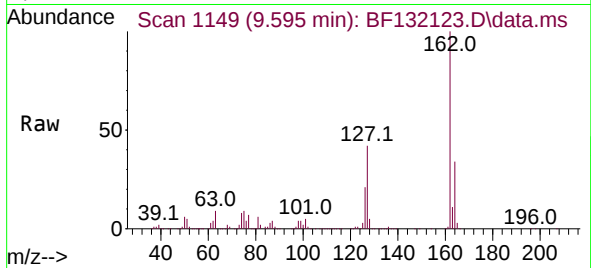
Tgt Ion:154 Resp: 1148991  
Ion Ratio Lower Upper  
154 100  
153 41.0 21.0 61.0  
76 12.7 0.0 32.9





#47  
2-Chloronaphthalene  
Concen: 42.744 ng  
RT: 9.595 min Scan# 1149  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

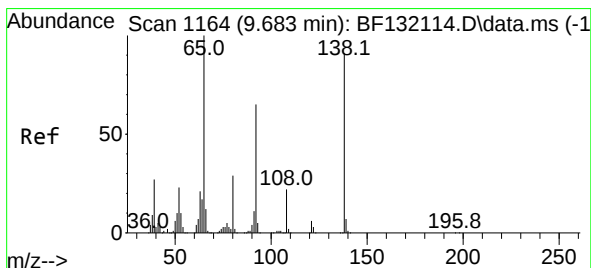
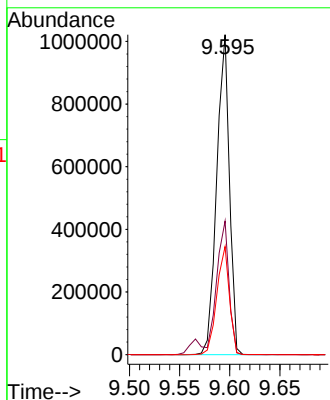
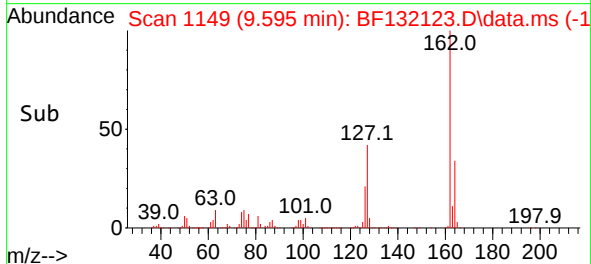
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion:162 Resp: 904044  
Ion Ratio Lower Upper  
162 100  
127 41.7 33.8 50.8  
164 33.8 26.5 39.7

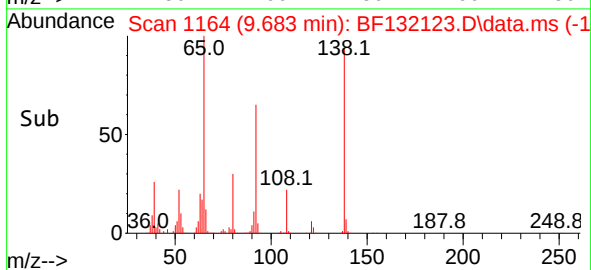
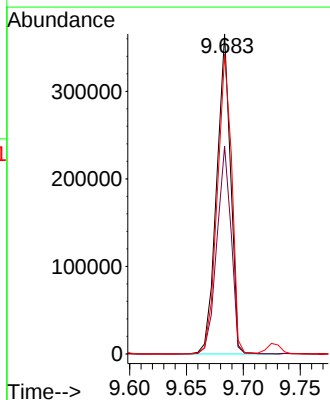
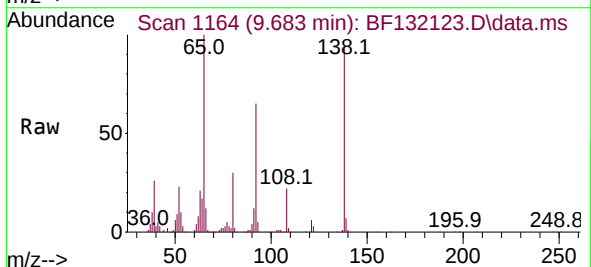
Manual Integrations  
APPROVED

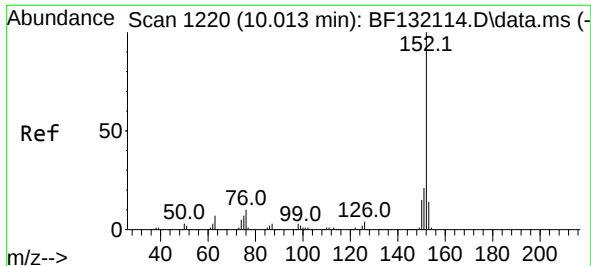
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#48  
2-Nitroaniline  
Concen: 43.134 ng  
RT: 9.683 min Scan# 1164  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

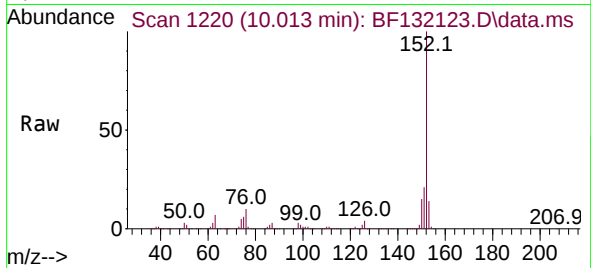
Tgt Ion: 65 Resp: 311017  
Ion Ratio Lower Upper  
65 100  
92 64.9 51.9 77.9  
138 93.7 72.6 109.0





#49  
Acenaphthylene  
Concen: 41.737 ng  
RT: 10.013 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

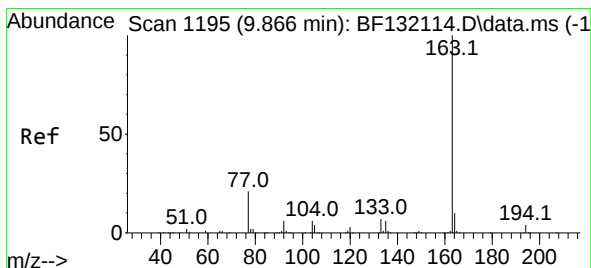
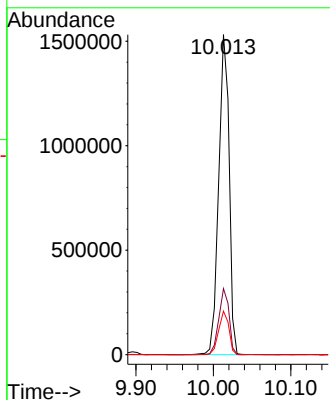
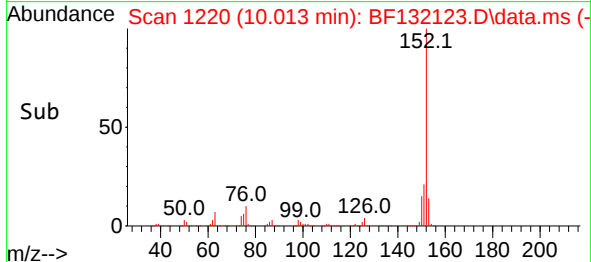
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



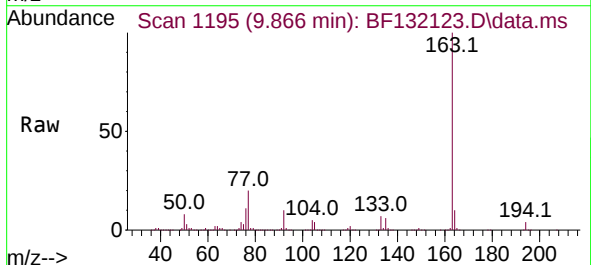
Tgt Ion:152 Resp: 1430485  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.7 25.1  
153 13.6 11.0 16.4

Manual Integrations  
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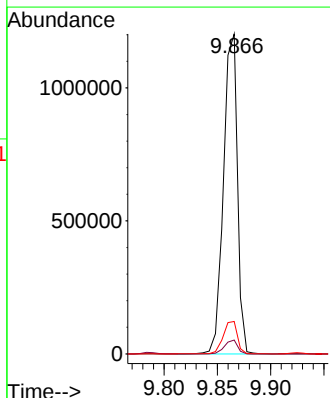
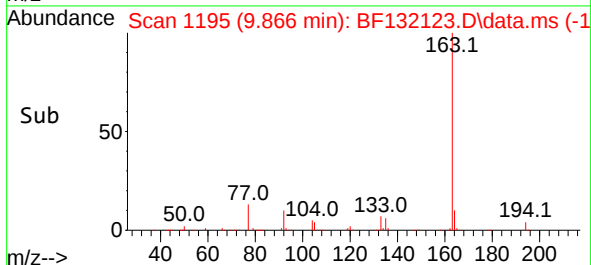
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

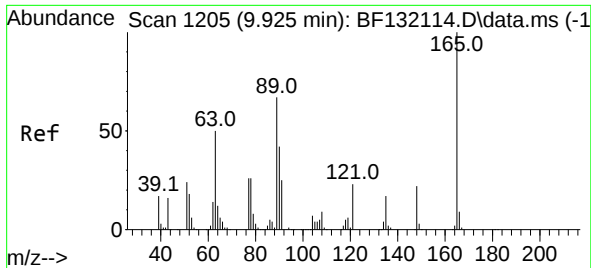


#50  
Dimethylphthalate  
Concen: 41.164 ng  
RT: 9.866 min Scan# 1195  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



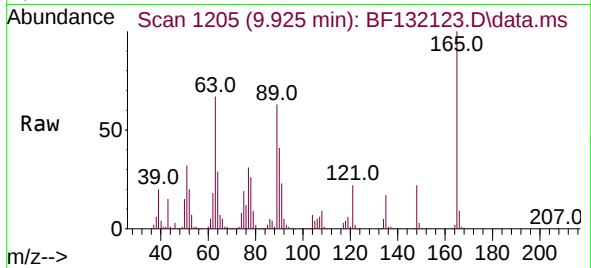
Tgt Ion:163 Resp: 1098637  
Ion Ratio Lower Upper  
163 100  
194 4.4 3.3 4.9  
164 10.1 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 44.724 ng  
RT: 9.925 min Scan# 1205  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

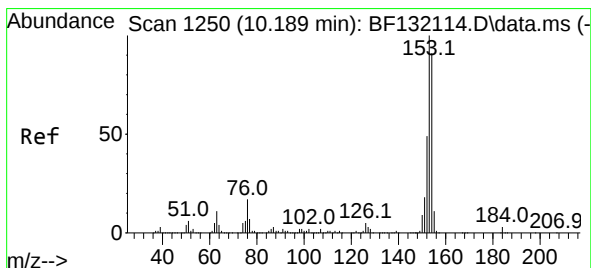
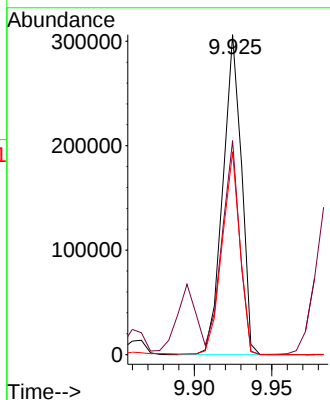
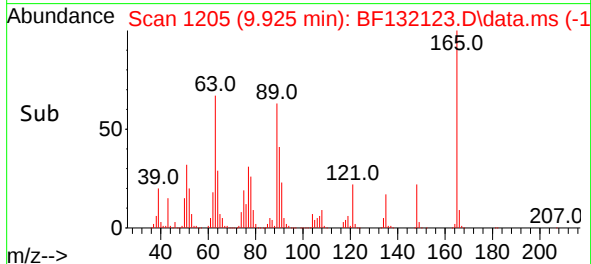
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



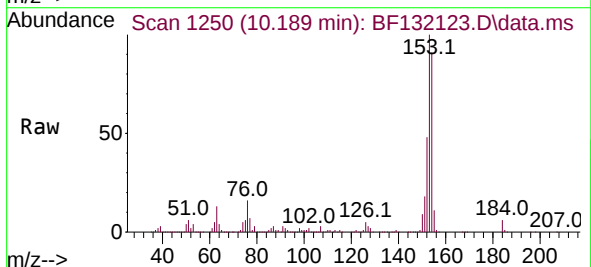
Tgt Ion:165 Resp: 253922  
Ion Ratio Lower Upper  
165 100  
63 66.9 57.0 85.4  
89 63.4 54.0 81.0

Manual Integrations  
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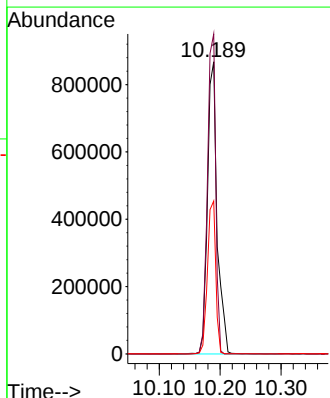
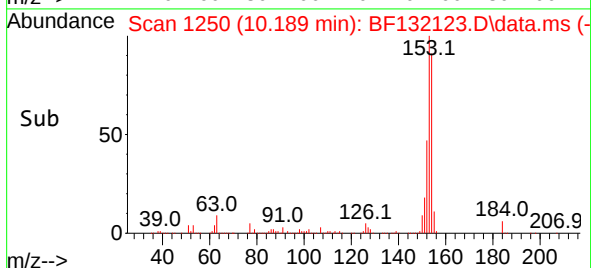
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

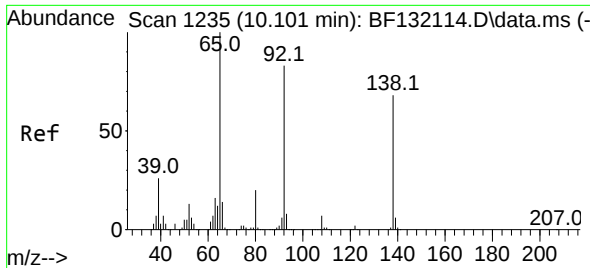


#52  
Acenaphthene  
Concen: 46.068 ng  
RT: 10.189 min Scan# 1250  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:154 Resp: 956141  
Ion Ratio Lower Upper  
154 100  
153 109.5 87.6 131.4  
152 52.3 42.6 64.0





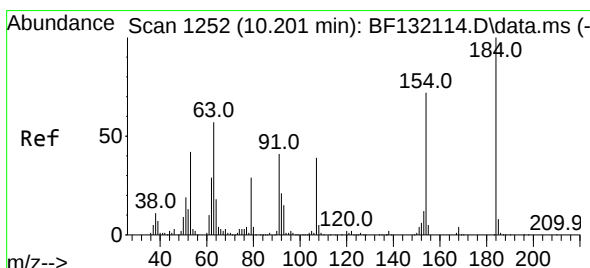
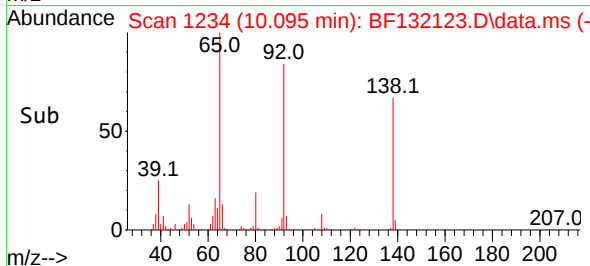
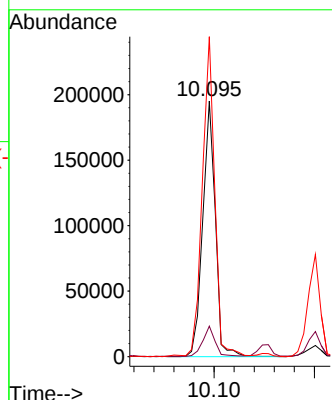
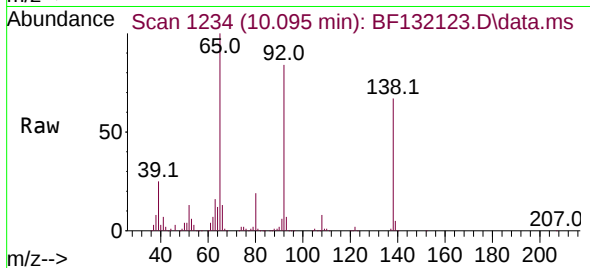
#53  
3-Nitroaniline  
Concen: 28.126 ng  
RT: 10.095 min Scan# 1234  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS

Tgt Ion:138 Resp: 169052  
Ion Ratio Lower Upper  
138 100  
108 11.9 8.5 12.7  
92 125.2 97.4 146.2

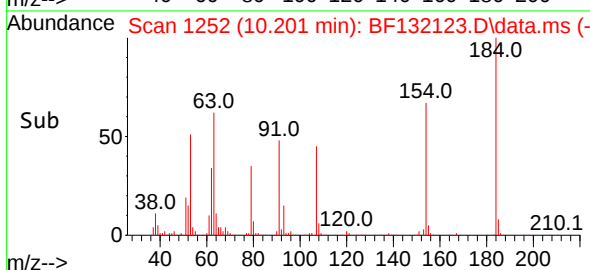
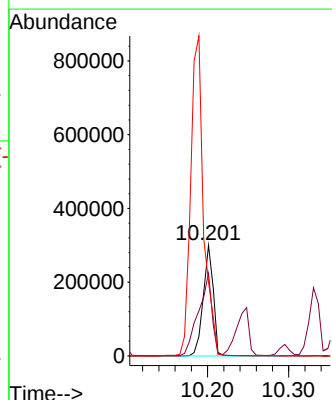
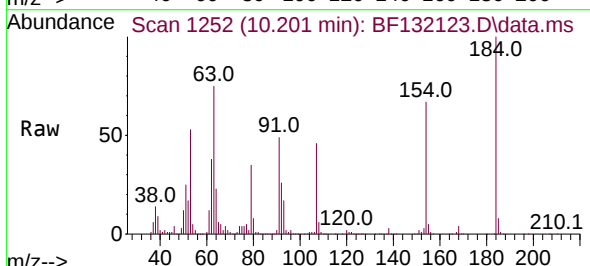
Manual Integrations  
APPROVED

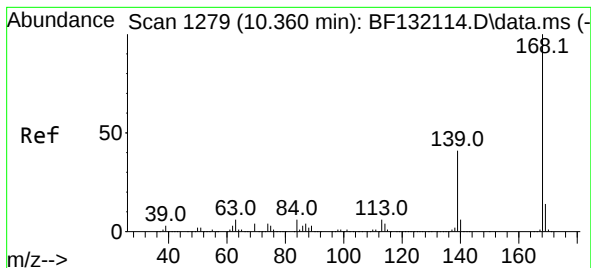
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#54  
2,4-Dinitrophenol  
Concen: 107.164 ng  
RT: 10.201 min Scan# 1252  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:184 Resp: 258507  
Ion Ratio Lower Upper  
184 100  
63 74.6 45.8 68.8#  
154 66.8 59.2 88.8





#55

Dibenzofuran

Concen: 40.956 ng

RT: 10.360 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:168 Resp: 130793

Ion Ratio Lower Upper

168 100

139 39.7 32.6 49.0

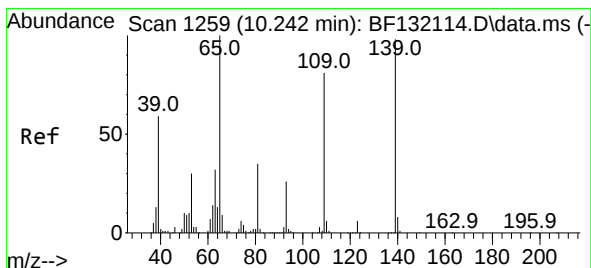
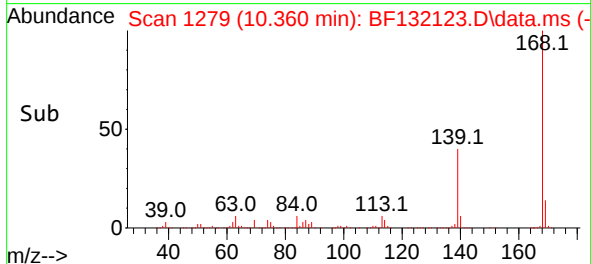
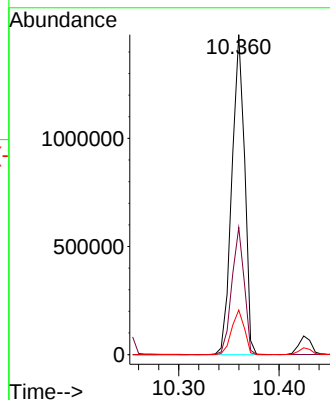
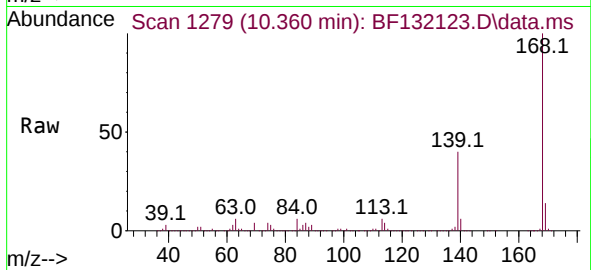
169 13.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#56

4-Nitrophenol

Concen: 90.563 ng

RT: 10.248 min Scan# 1260

Delta R.T. 0.006 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

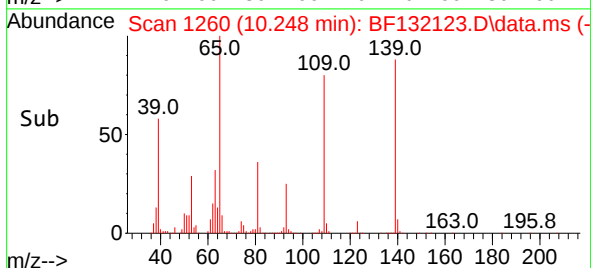
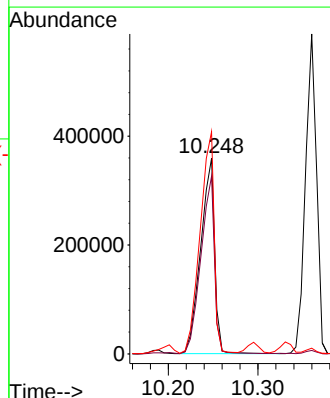
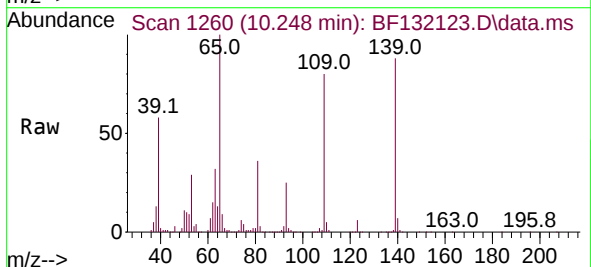
Tgt Ion:139 Resp: 388895

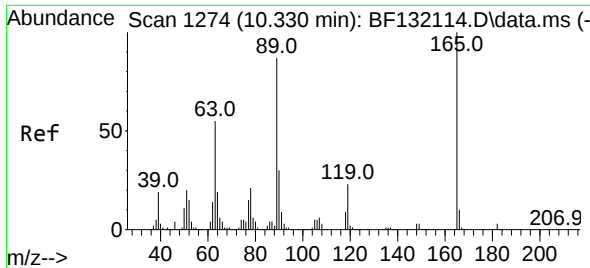
Ion Ratio Lower Upper

139 100

109 90.8 62.1 102.1

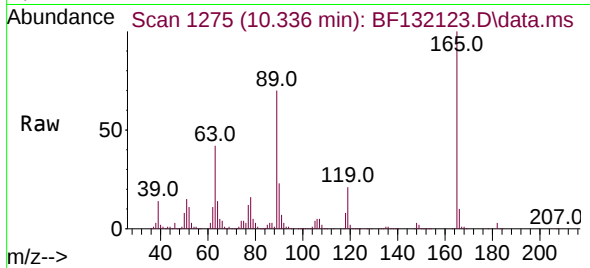
65 113.6 82.2 122.2





#57  
2,4-Dinitrotoluene  
Concen: 45.836 ng  
RT: 10.336 min Scan# 1275  
Delta R.T. 0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

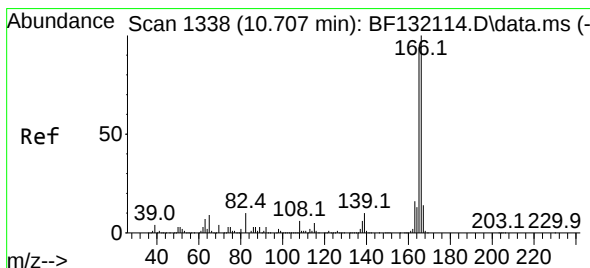
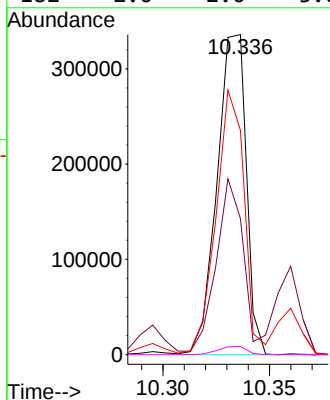
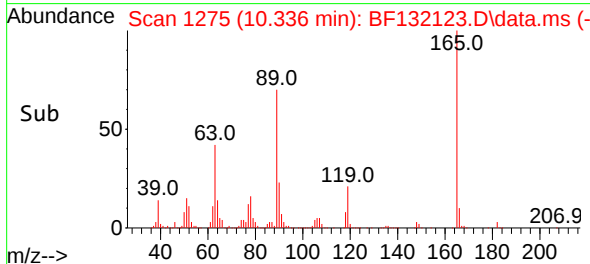
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion:165 Resp: 321437  
Ion Ratio Lower Upper  
165 100  
63 42.5 44.1 66.1  
89 70.1 69.3 103.9  
182 2.6 2.0 3.0

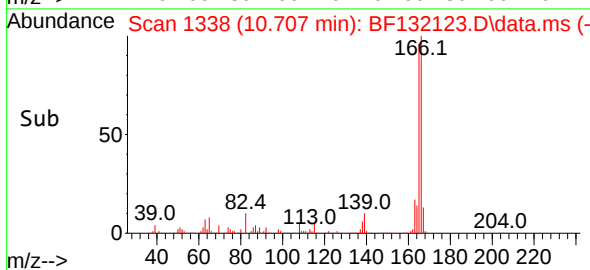
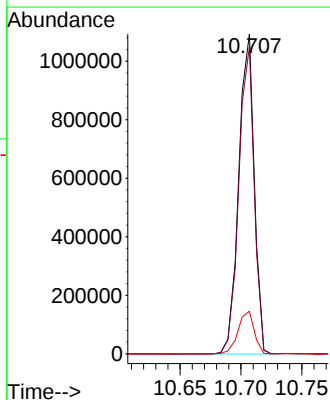
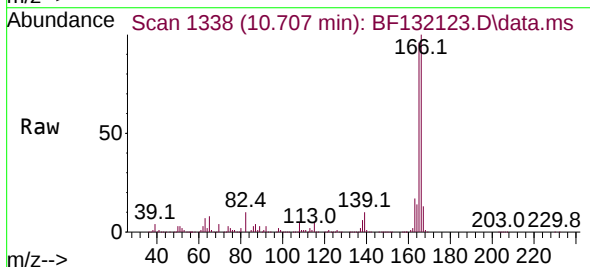
Manual Integrations  
APPROVED

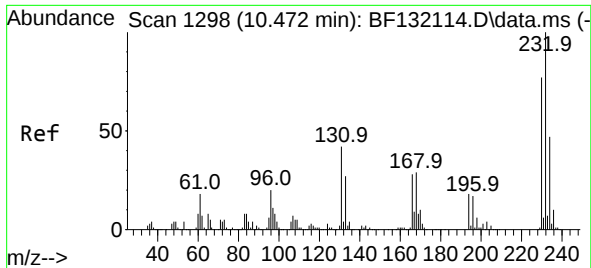
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#58  
Fluorene  
Concen: 40.796 ng  
RT: 10.707 min Scan# 1338  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:166 Resp: 966182  
Ion Ratio Lower Upper  
166 100  
165 96.0 75.2 112.8  
167 13.3 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.369 ng  
RT: 10.472 min Scan# 1298  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

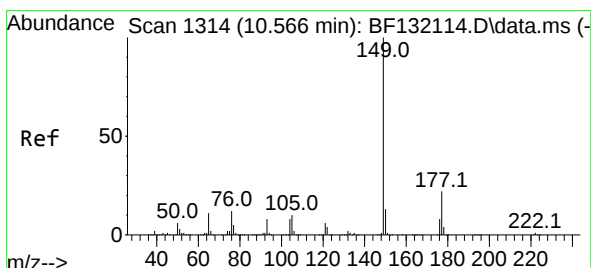
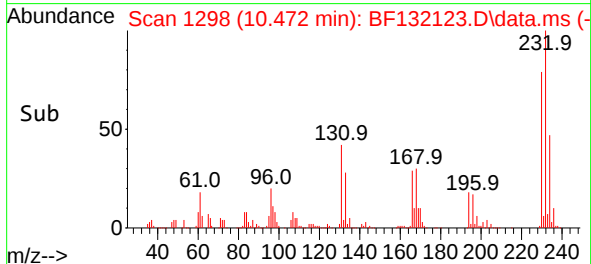
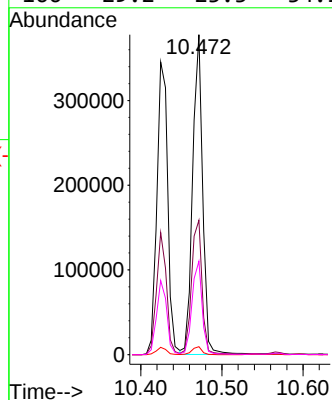
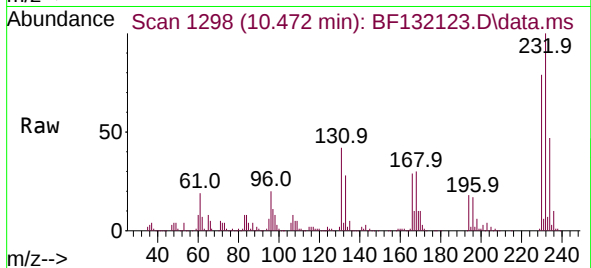
PB150315BS

Tgt Ion:232 Resp: 323643  
Ion Ratio Lower Upper  
232 100  
131 43.5 34.3 51.5  
130 2.4 1.9 2.9  
166 29.2 23.3 34.9

Manual Integrations

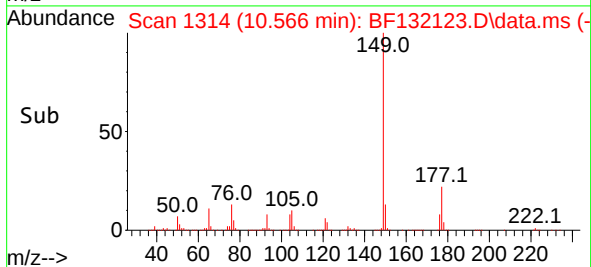
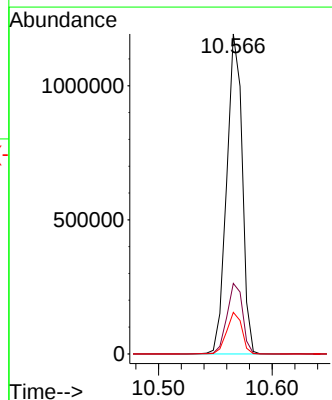
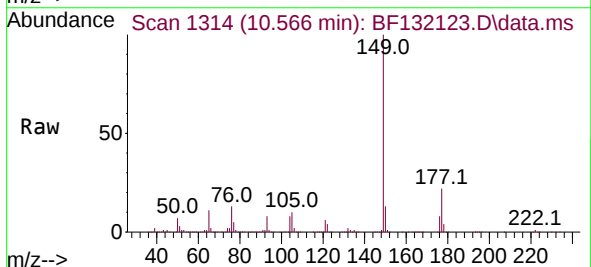
APPROVED

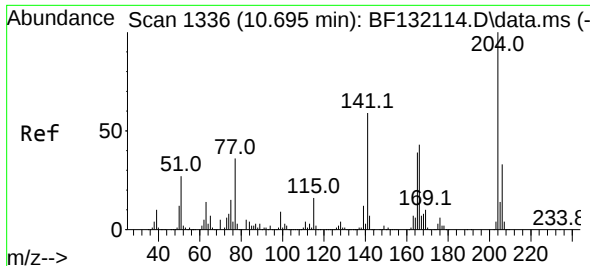
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#60  
Diethylphthalate  
Concen: 42.248 ng  
RT: 10.566 min Scan# 1314  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

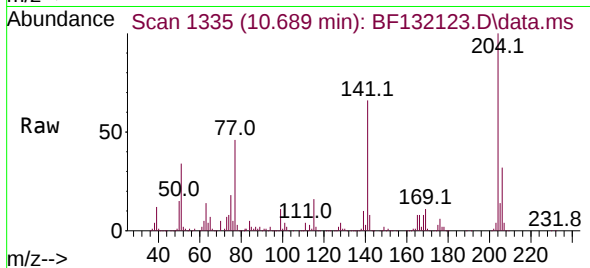
Tgt Ion:149 Resp: 1129045  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.7 26.5  
150 13.0 10.4 15.6





#61  
4-Chlorophenyl-phenylether  
Concen: 40.969 ng  
RT: 10.689 min Scan# 1335  
Delta R.T. -0.006 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

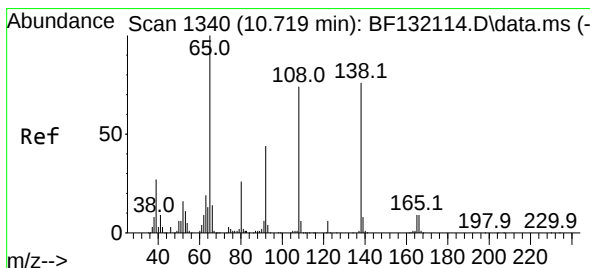
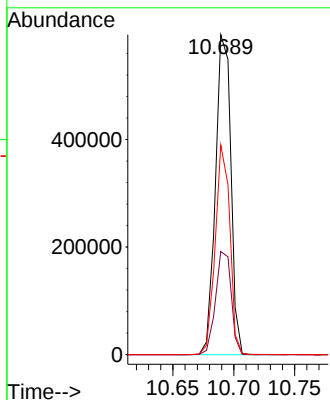
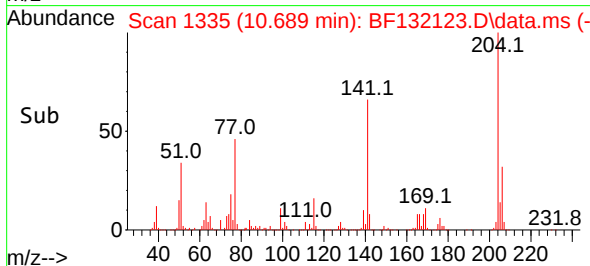
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



Tgt Ion:204 Resp: 521515  
Ion Ratio Lower Upper  
204 100  
206 32.2 26.4 39.6  
141 65.5 47.1 70.7

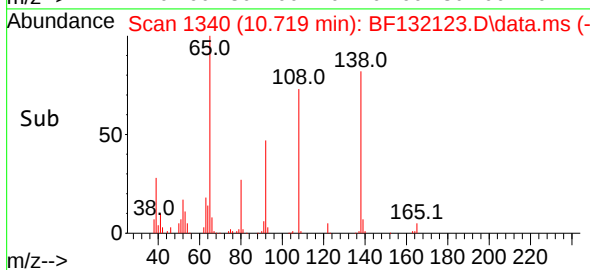
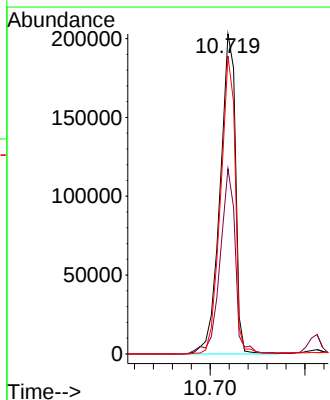
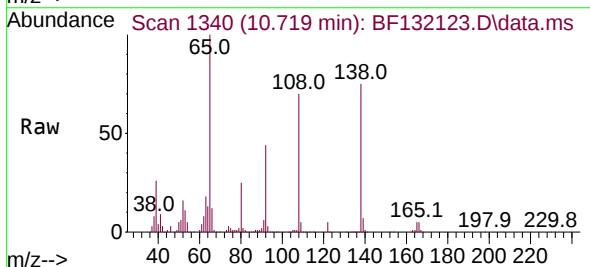
Manual Integrations  
APPROVED

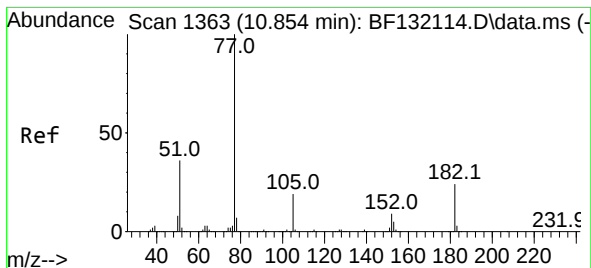
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#62  
4-Nitroaniline  
Concen: 42.323 ng  
RT: 10.719 min Scan# 1340  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:138 Resp: 229398  
Ion Ratio Lower Upper  
138 100  
92 57.9 38.7 78.7  
108 93.1 77.1 117.1





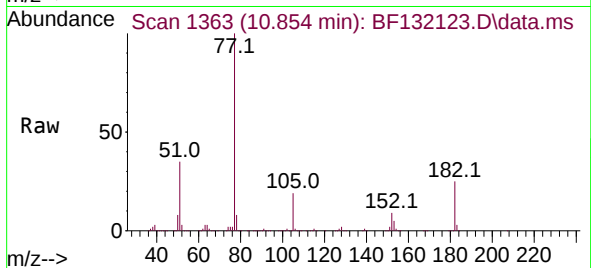
#63  
Azobenzene  
Concen: 41.246 ng  
RT: 10.854 min Scan# 1363  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

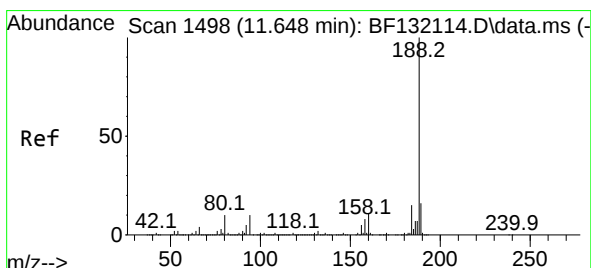
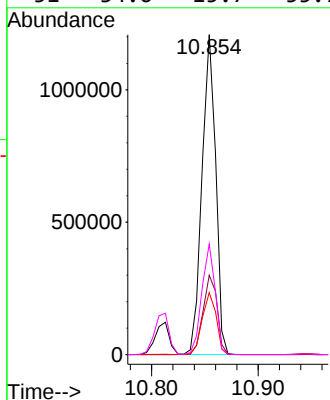
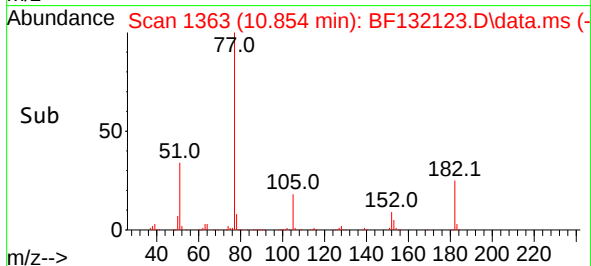


Tgt Ion: 77 Resp: 1073678  
Ion Ratio Lower Upper  
77 100  
182 24.8 4.1 44.1  
105 19.4 0.0 39.1  
51 34.6 15.7 55.7

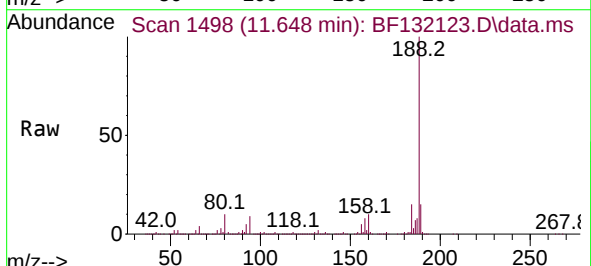
Manual Integrations

APPROVED

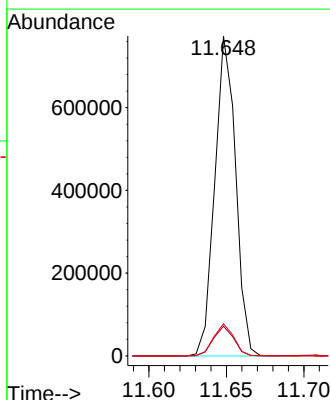
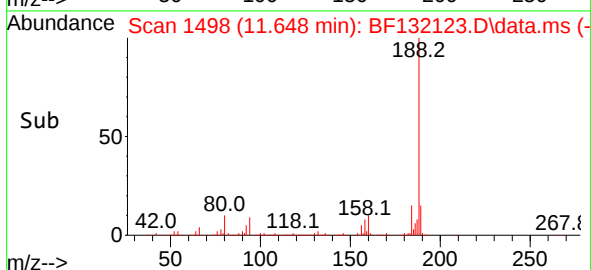
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

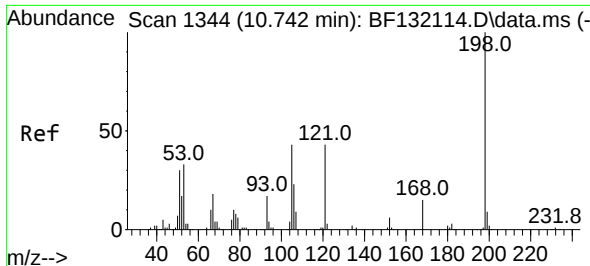


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.648 min Scan# 1498  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



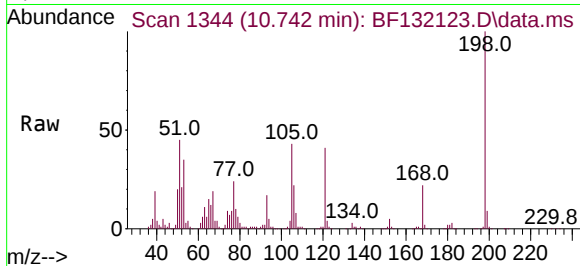
Tgt Ion:188 Resp: 721237  
Ion Ratio Lower Upper  
188 100  
94 9.3 7.8 11.6  
80 10.0 8.2 12.4





#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.847 ng  
RT: 10.742 min Scan# 1344  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

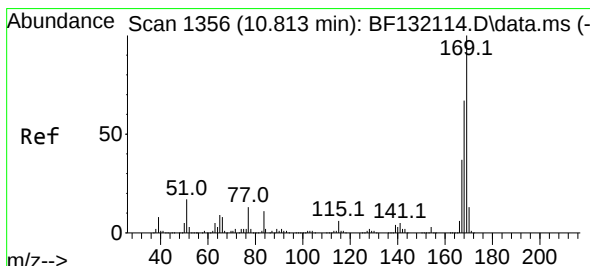
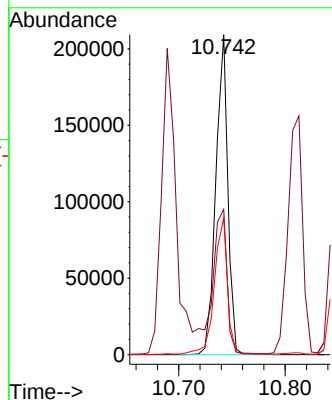
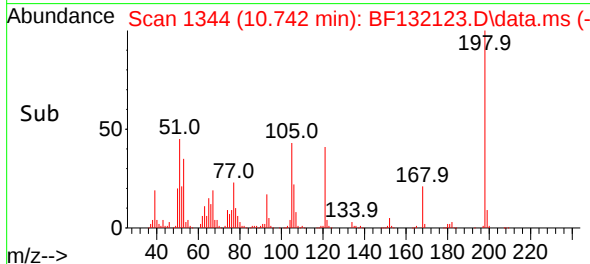
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



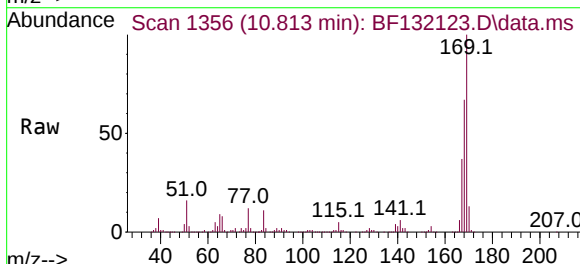
Tgt Ion:198 Resp: 163834  
Ion Ratio Lower Upper  
198 100  
51 45.4 28.4 68.4  
105 42.7 23.3 63.3

Manual Integrations  
APPROVED

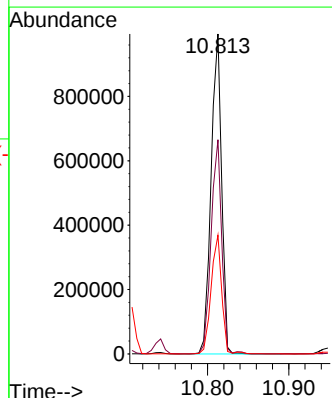
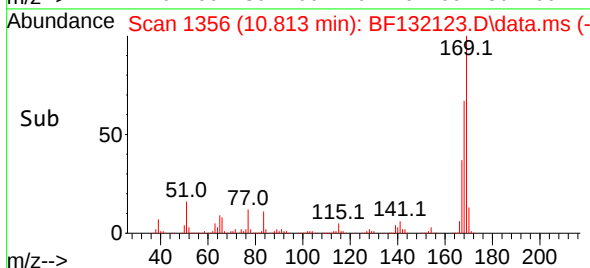
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

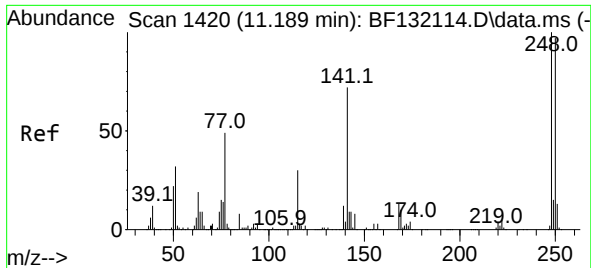


#66  
n-Nitrosodiphenylamine  
Concen: 41.562 ng  
RT: 10.813 min Scan# 1356  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



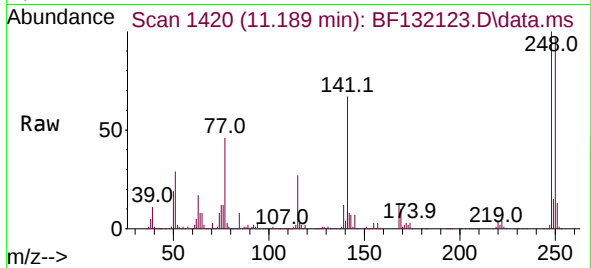
Tgt Ion:169 Resp: 899622  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.6 80.4  
167 37.1 29.4 44.0





#67  
4-Bromophenyl-phenylether  
Concen: 42.293 ng  
RT: 11.189 min Scan# 1420  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

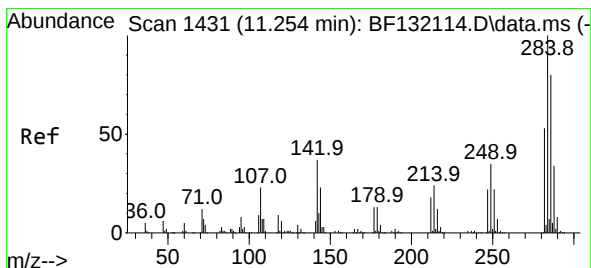
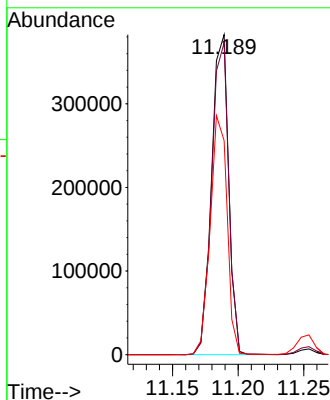
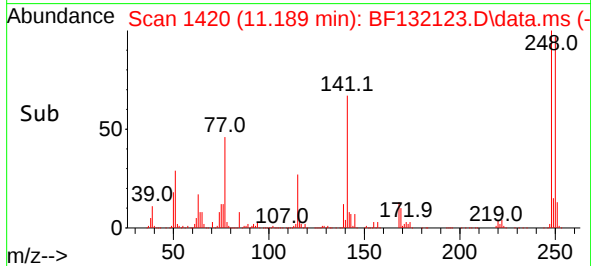
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



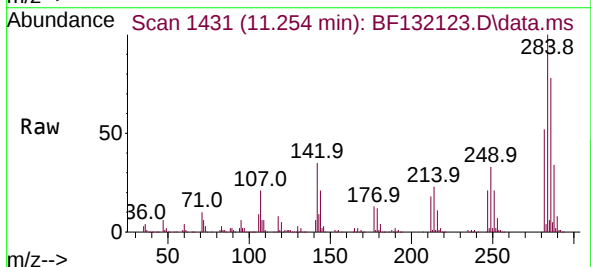
Tgt Ion:248 Resp: 346497  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.8 116.8  
141 66.9 57.6 86.4

Manual Integrations  
APPROVED

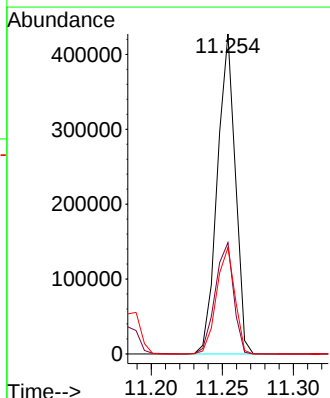
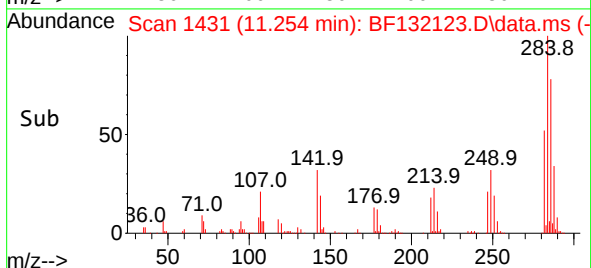
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

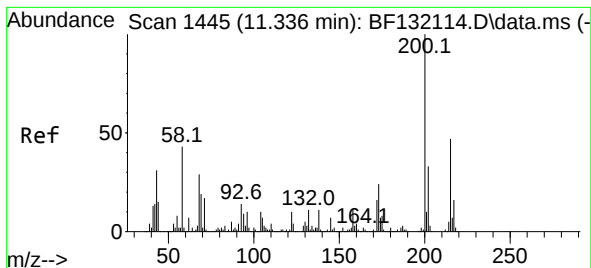


#68  
Hexachlorobenzene  
Concen: 45.648 ng  
RT: 11.254 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:284 Resp: 376265  
Ion Ratio Lower Upper  
284 100  
142 34.8 29.4 44.2  
249 33.2 27.7 41.5





#69

Atrazine

Concen: 45.696 ng

RT: 11.336 min Scan# 1445

Delta R.T. 0.000 min

Lab File: BF132123.D

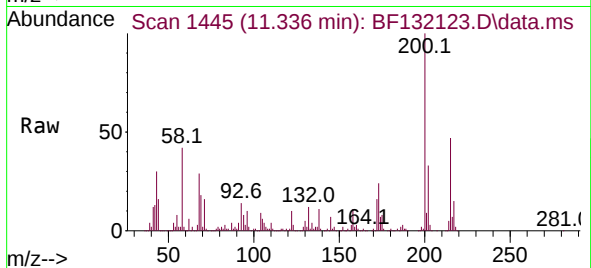
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS



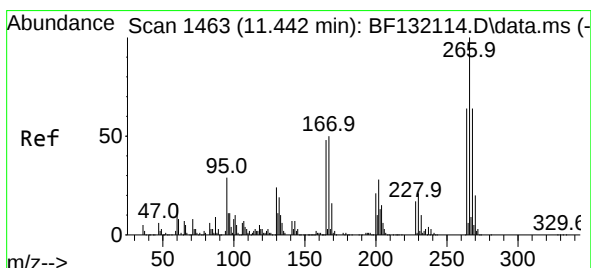
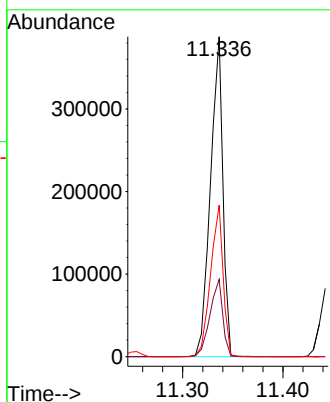
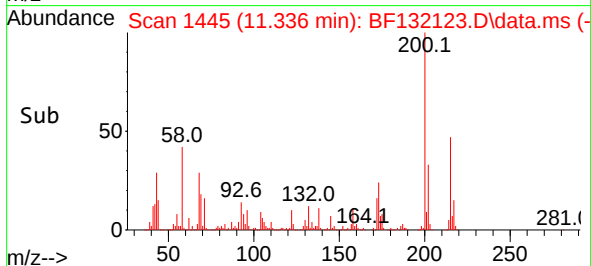
Tgt Ion:200 Resp: 332872

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 24.1  | 4.6   | 44.6  |
| 215 | 47.3  | 27.3  | 67.3  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#70

Pentachlorophenol

Concen: 79.747 ng

RT: 11.448 min Scan# 1464

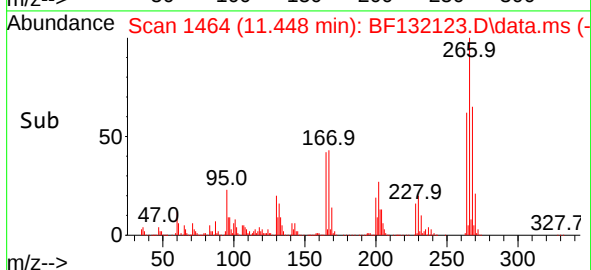
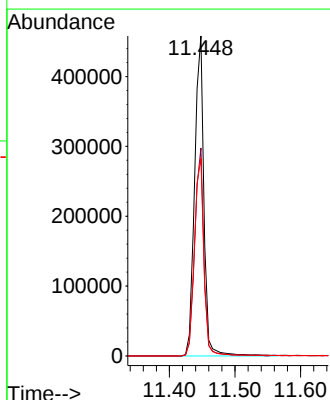
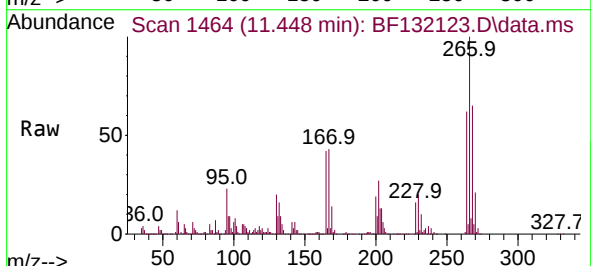
Delta R.T. 0.006 min

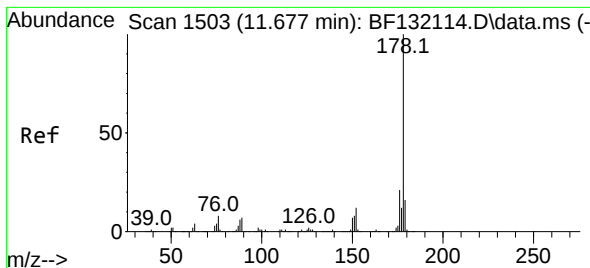
Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Tgt Ion:266 Resp: 451611

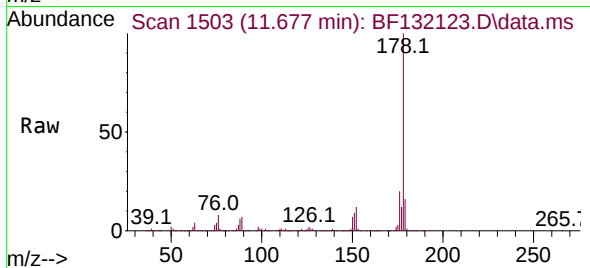
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 65.0  | 51.0  | 76.6  |
| 264 | 61.8  | 51.6  | 77.4  |





#71  
Phenanthrene  
Concen: 42.736 ng  
RT: 11.677 min Scan# 1503  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

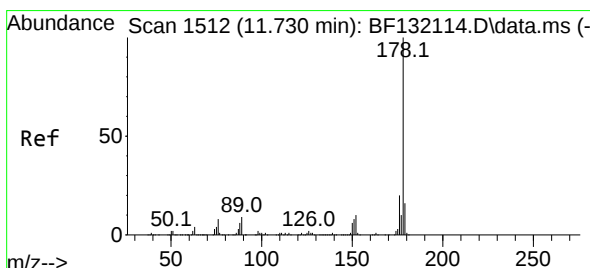
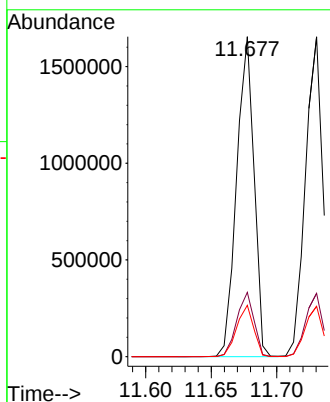
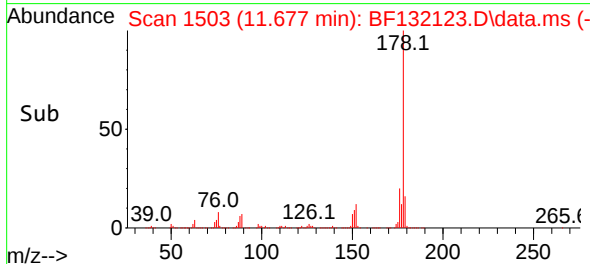
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



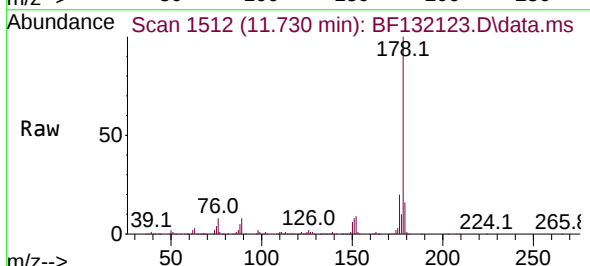
Tgt Ion:178 Resp: 1523725  
Ion Ratio Lower Upper  
178 100  
176 20.1 16.4 24.6  
179 16.0 12.7 19.1

Manual Integrations  
APPROVED

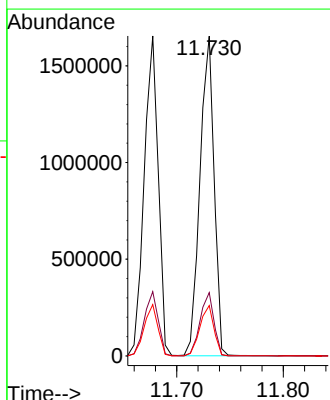
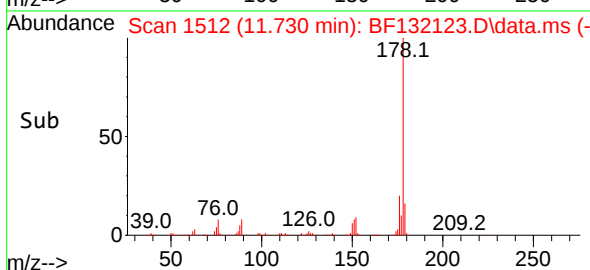
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

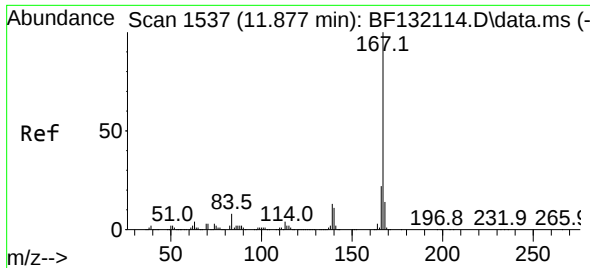


#72  
Anthracene  
Concen: 41.938 ng  
RT: 11.730 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



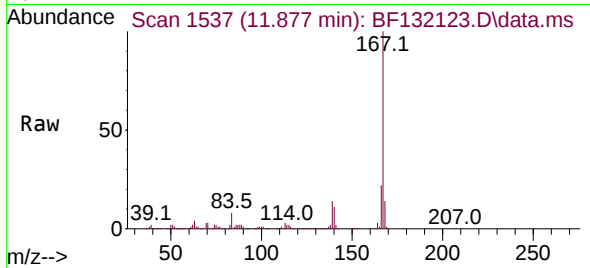
Tgt Ion:178 Resp: 1520377  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.8 23.8  
179 15.7 12.9 19.3





#73  
 Carbazole  
 Concen: 42.893 ng  
 RT: 11.877 min Scan# 1537  
 Delta R.T. 0.000 min  
 Lab File: BF132123.D  
 Acq: 18 Jan 2023 17:47

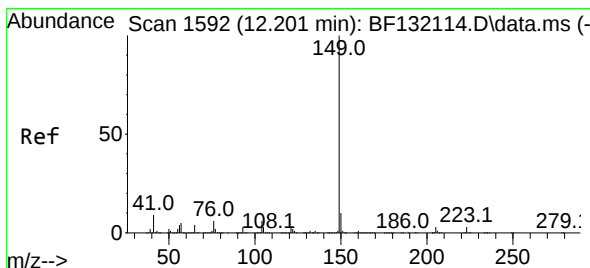
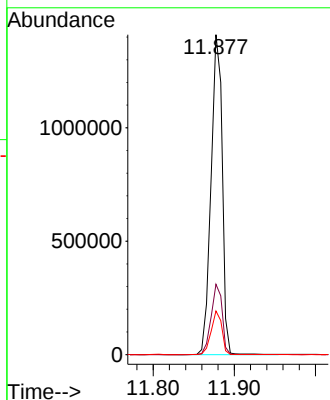
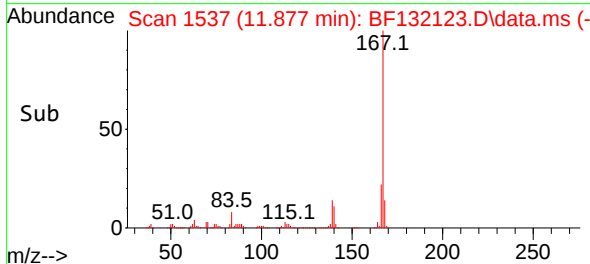
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150315BS



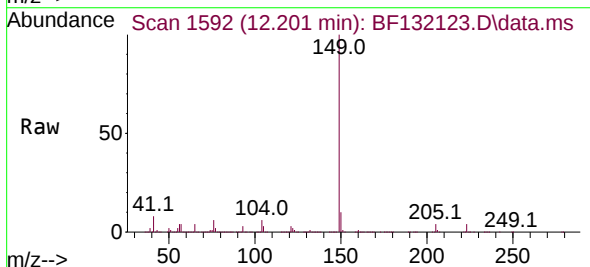
Tgt Ion:167 Resp: 1356839  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.7 26.5  
 139 13.6 10.8 16.2

Manual Integrations  
 APPROVED

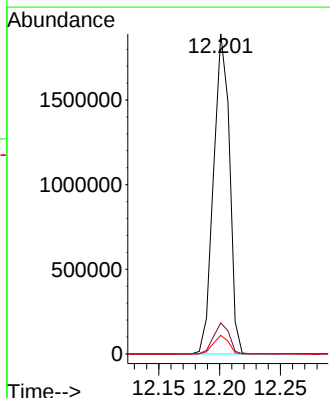
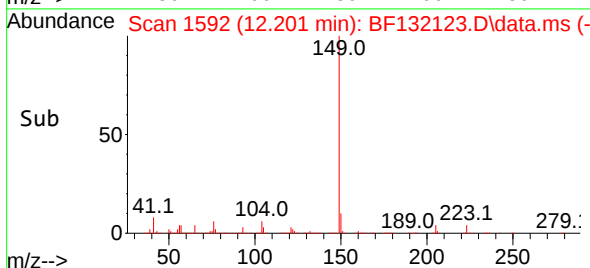
Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

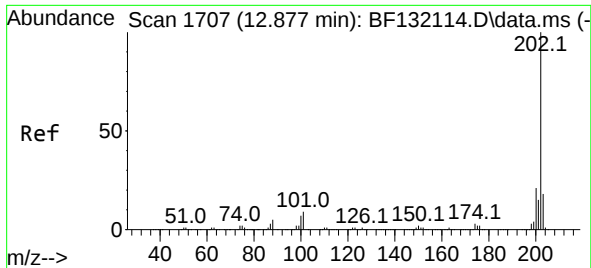


#74  
 Di-n-butylphthalate  
 Concen: 44.841 ng  
 RT: 12.201 min Scan# 1592  
 Delta R.T. 0.000 min  
 Lab File: BF132123.D  
 Acq: 18 Jan 2023 17:47



Tgt Ion:149 Resp: 1722532  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.6 11.4  
 104 5.8 4.8 7.2





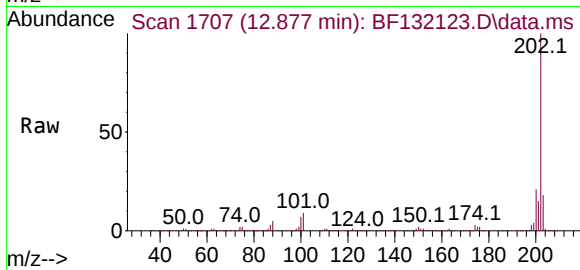
#75  
Fluoranthene  
Concen: 43.839 ng  
RT: 12.877 min Scan# 1707  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

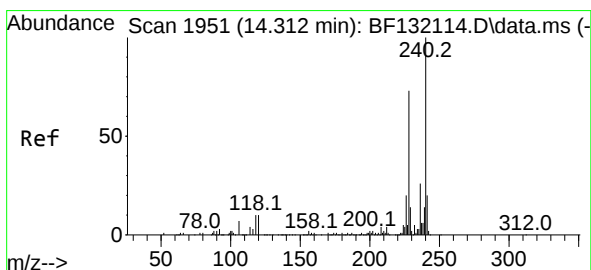
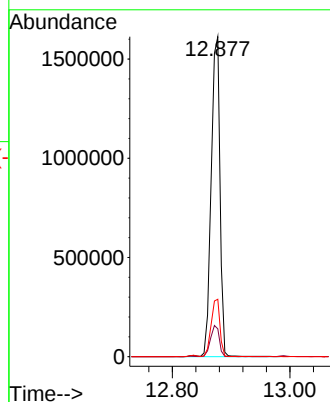
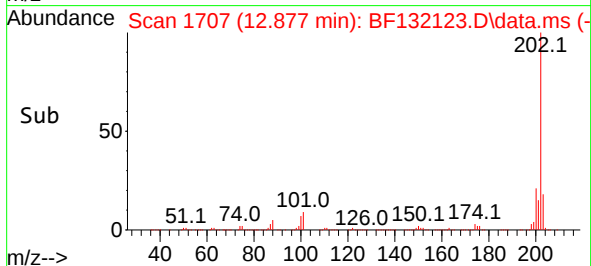


Tgt Ion:202 Resp: 167427  
Ion Ratio Lower Upper  
202 100  
101 8.7 0.0 28.9  
203 17.9 0.0 37.7

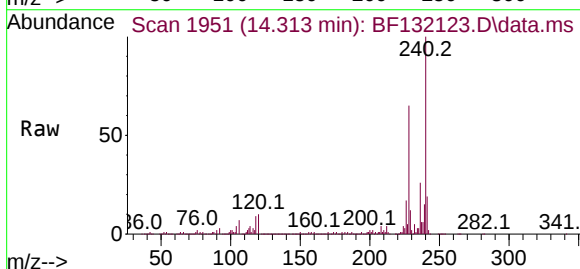
Manual Integrations

APPROVED

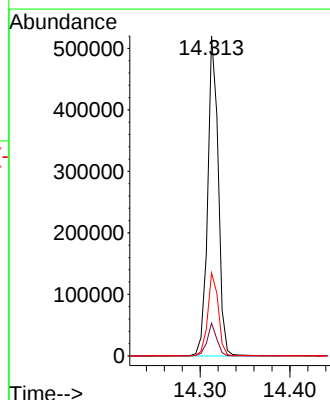
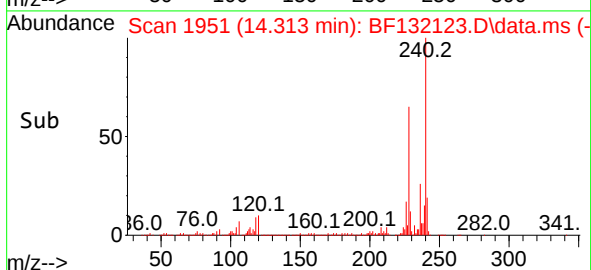
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

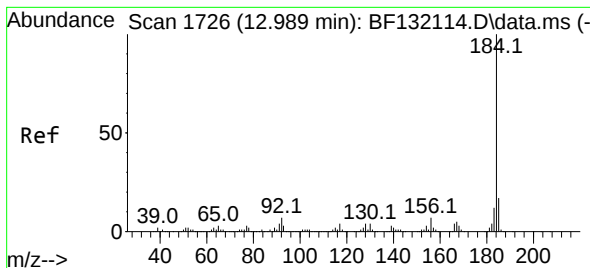


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.313 min Scan# 1951  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:240 Resp: 424557  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.2 12.4  
236 25.9 21.2 31.8





#77

Benzidine

Concen: 45.745 ng

RT: 12.989 min Scan# 1726

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

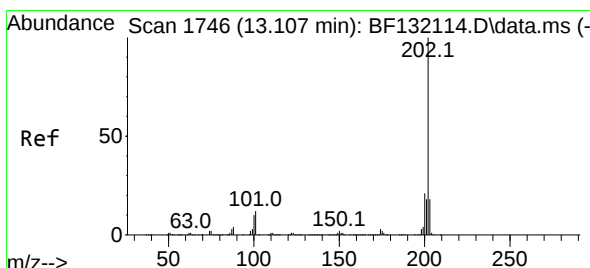
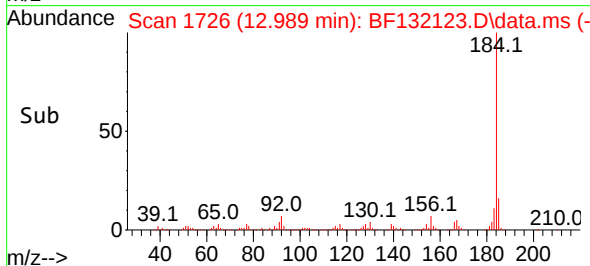
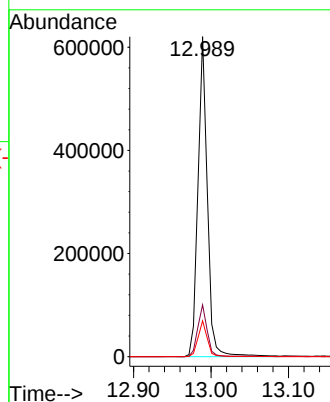
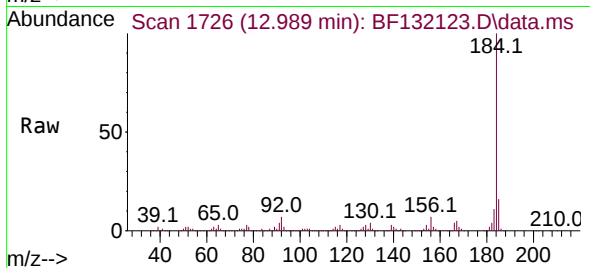
PB150315BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 522976 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 16.2  | 13.7  | 20.5   |
| 183       | 11.2  | 9.4   | 14.0   |

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#78

Pyrene

Concen: 41.561 ng

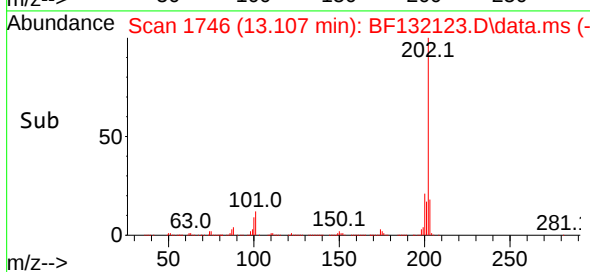
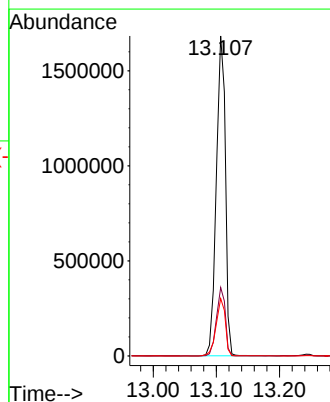
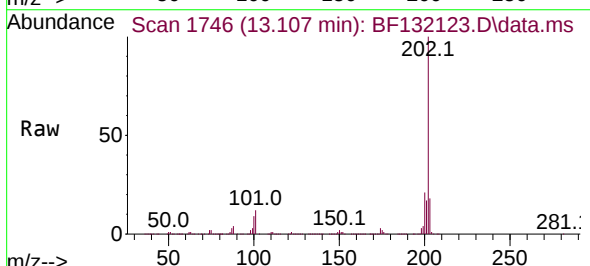
RT: 13.107 min Scan# 1746

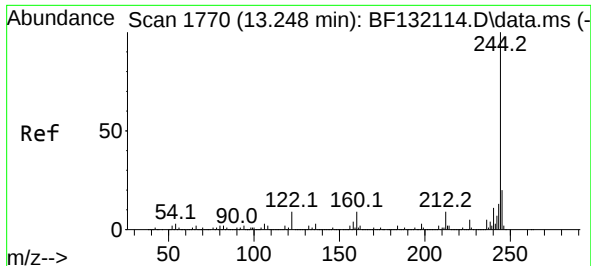
Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1688945 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.4  | 17.0  | 25.4    |
| 203       | 17.9  | 14.6  | 22.0    |





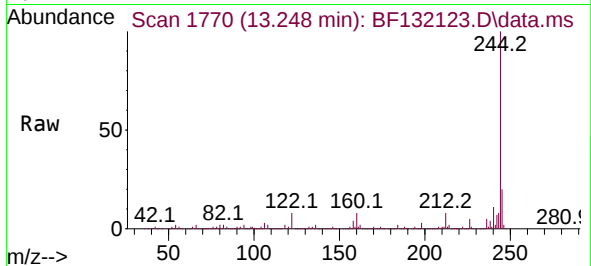
#79  
 Terphenyl-d14  
 Concen: 81.824 ng  
 RT: 13.248 min Scan# 1770  
 Delta R.T. 0.000 min  
 Lab File: BF132123.D  
 Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

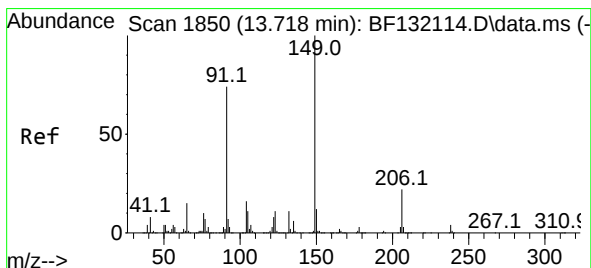
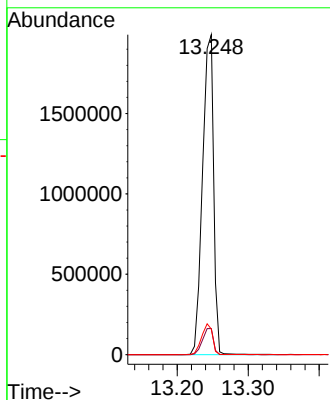
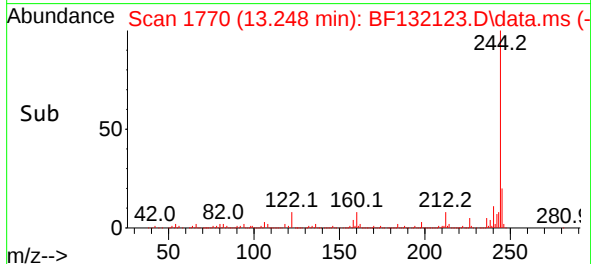


Tgt Ion:244 Resp: 2141040  
 Ion Ratio Lower Upper  
 244 100  
 212 8.1 6.9 10.3  
 122 8.0 7.0 10.6

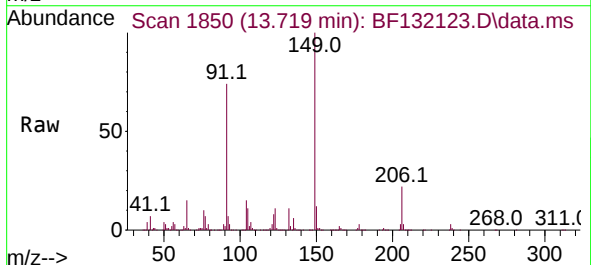
Manual Integrations

APPROVED

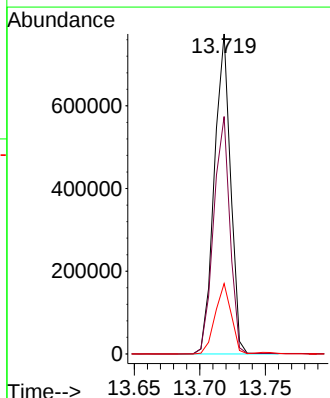
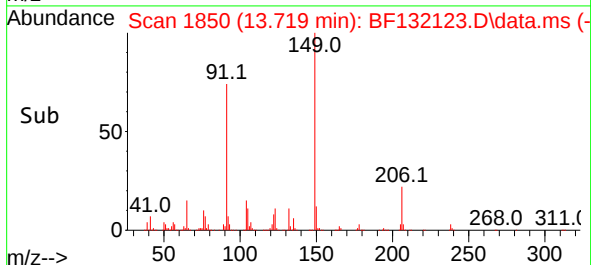
Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

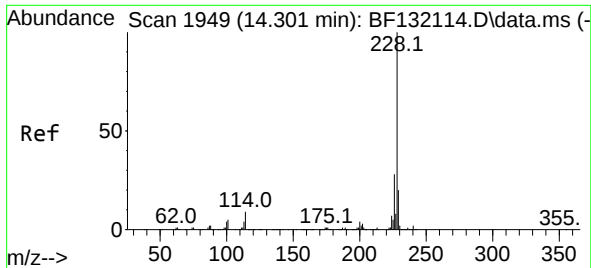


#80  
 Butylbenzylphthalate  
 Concen: 46.561 ng  
 RT: 13.719 min Scan# 1850  
 Delta R.T. 0.000 min  
 Lab File: BF132123.D  
 Acq: 18 Jan 2023 17:47



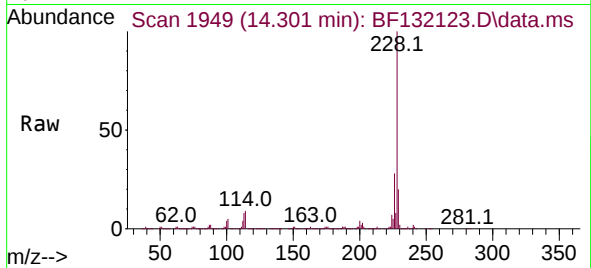
Tgt Ion:149 Resp: 666961  
 Ion Ratio Lower Upper  
 149 100  
 91 74.2 59.2 88.8  
 206 22.0 17.3 25.9





#81  
Benzo(a)anthracene  
Concen: 43.633 ng  
RT: 14.301 min Scan# 1949  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

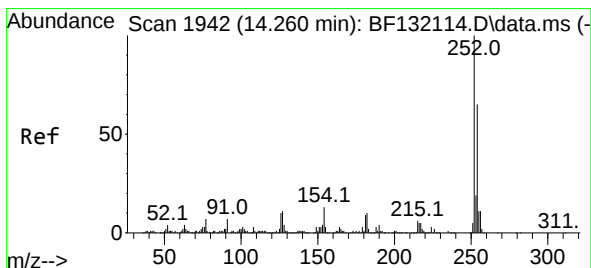
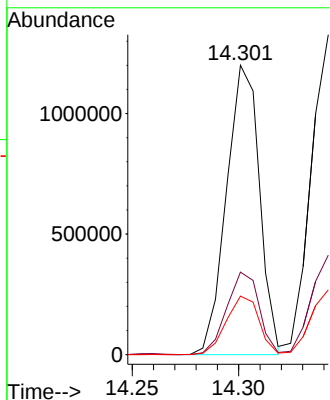
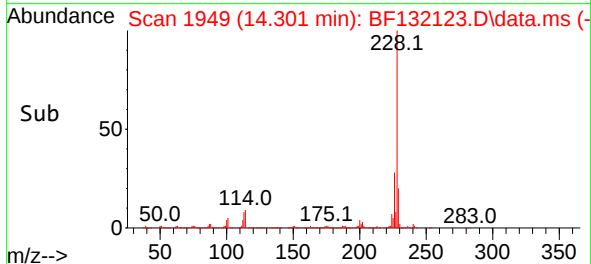
Instrument :  
BNA\_F  
ClientSampleId :  
PB150315BS



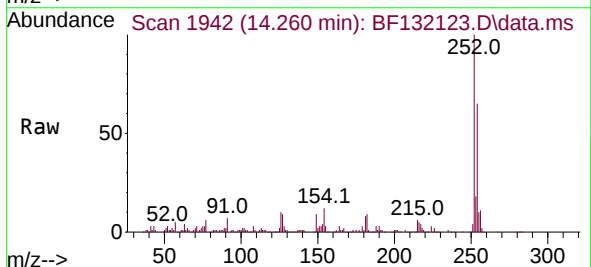
Tgt Ion:228 Resp: 129474  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.2 33.4  
229 20.2 16.0 24.0

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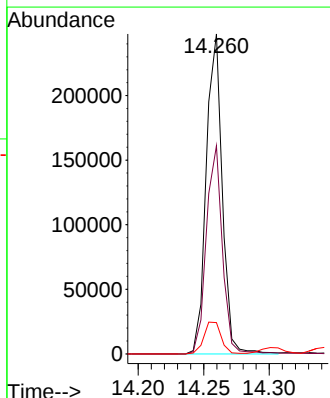
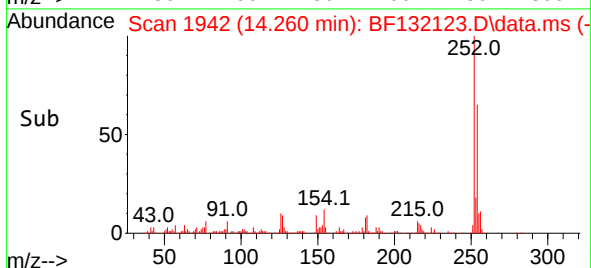
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

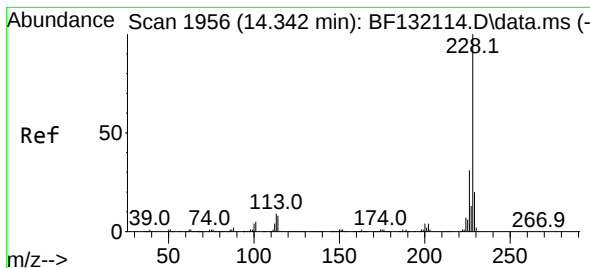


#82  
3,3'-Dichlorobenzidine  
Concen: 26.712 ng  
RT: 14.260 min Scan# 1942  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47



Tgt Ion:252 Resp: 210845  
Ion Ratio Lower Upper  
252 100  
254 65.0 52.2 78.2  
126 9.8 8.2 12.4





#83

Chrysene

Concen: 43.435 ng

RT: 14.342 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:228 Resp: 1211600

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

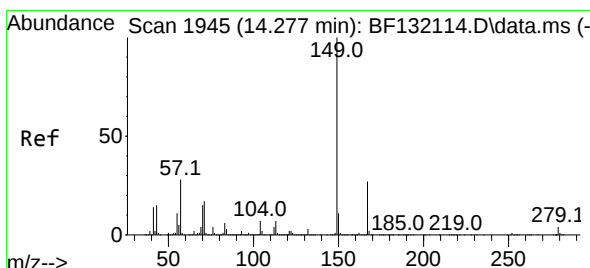
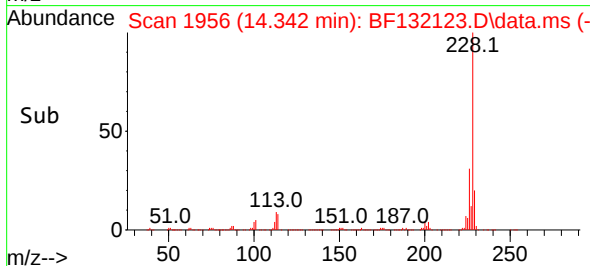
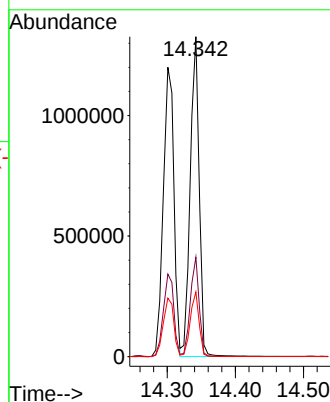
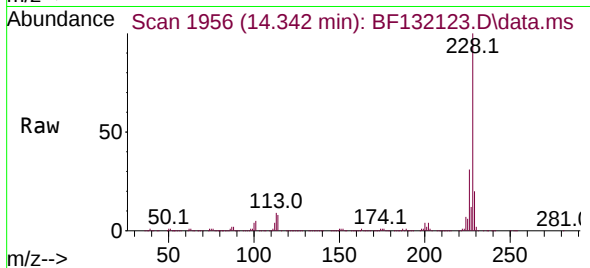
229 20.2 16.2 24.4

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.069 ng

RT: 14.277 min Scan# 1945

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

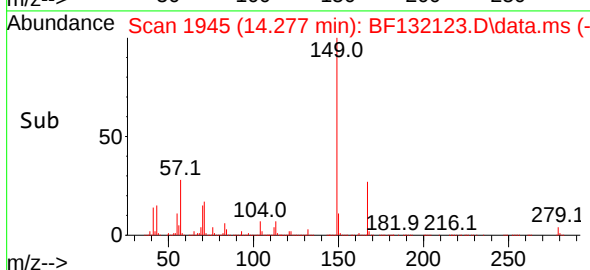
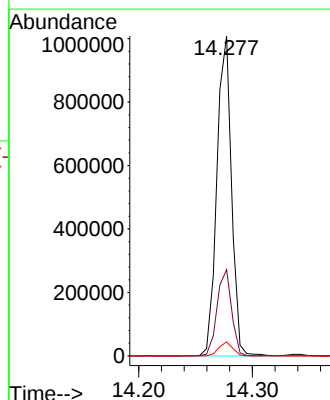
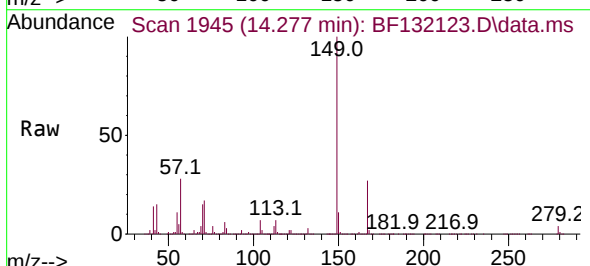
Tgt Ion:149 Resp: 900483

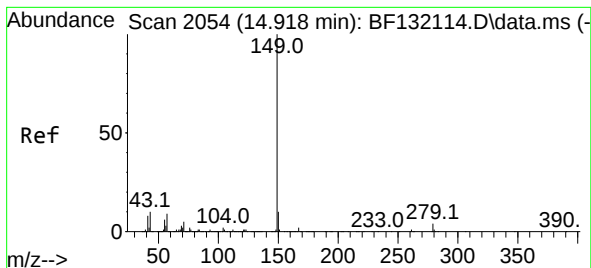
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

279 4.4 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 55.557 ng

RT: 14.918 min Scan# 2054

Delta R.T. 0.000 min

Lab File: BF132123.D

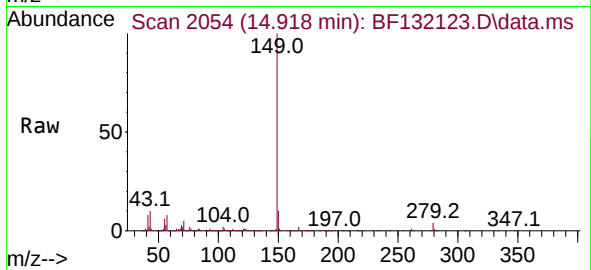
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS



Tgt Ion:149 Resp: 1364880

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

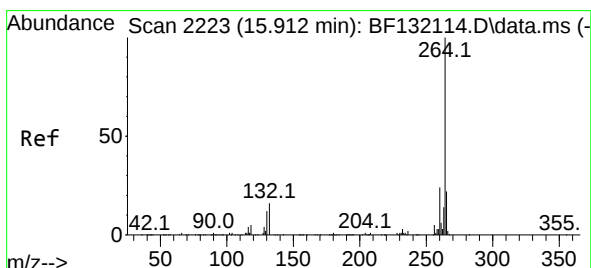
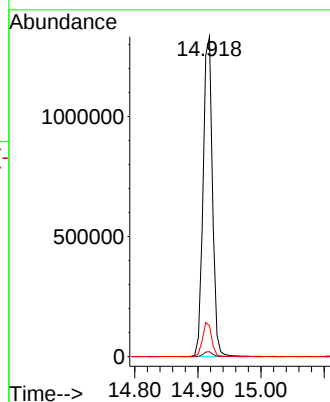
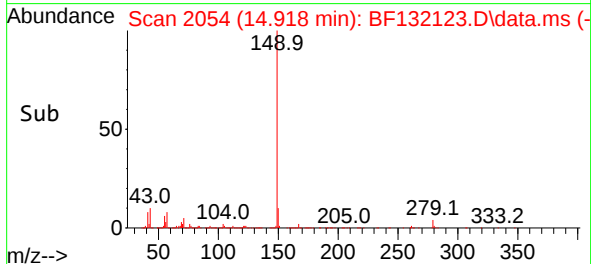
43 10.5 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.912 min Scan# 2223

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

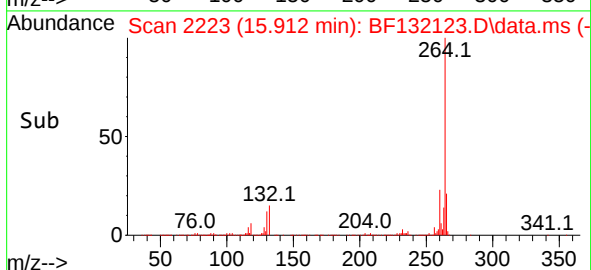
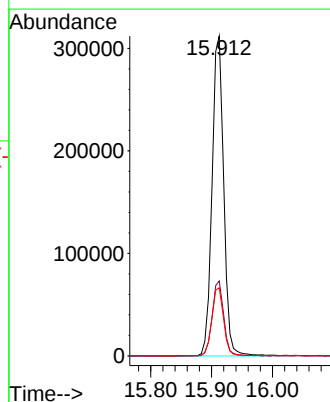
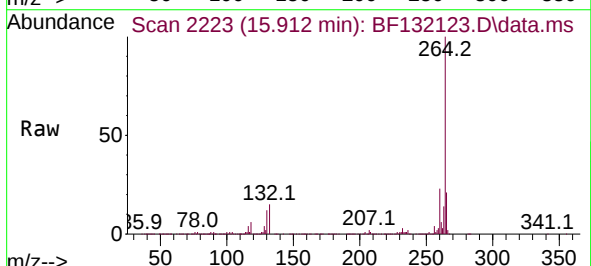
Tgt Ion:264 Resp: 415622

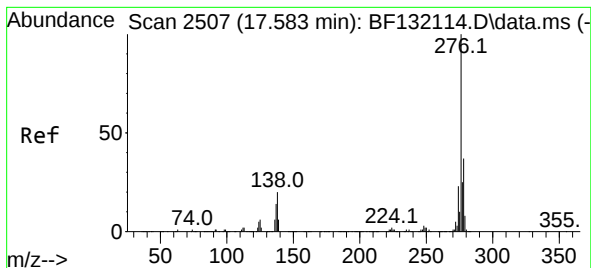
Ion Ratio Lower Upper

264 100

260 23.4 19.1 28.7

265 21.3 17.5 26.3





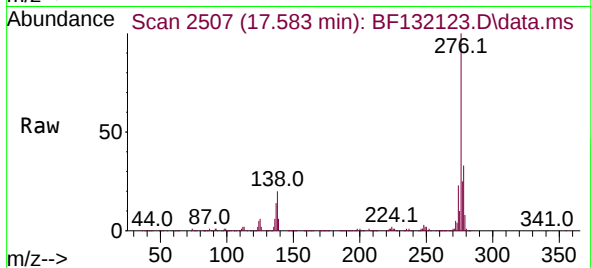
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 51.801 ng  
RT: 17.583 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

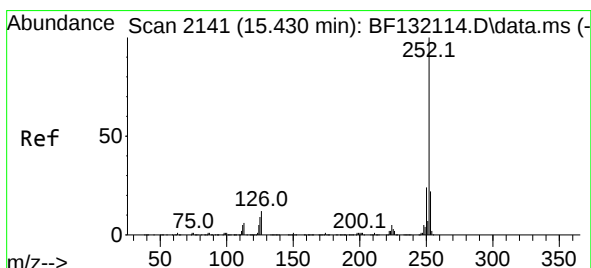
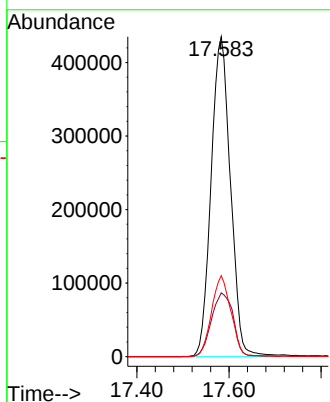
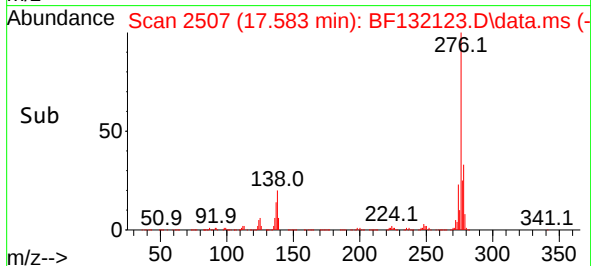


Tgt Ion:276 Resp: 1268531  
Ion Ratio Lower Upper  
276 100  
138 22.5 18.2 27.4  
277 25.4 20.0 30.0

Manual Integrations

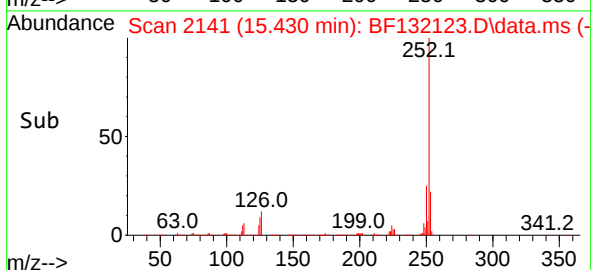
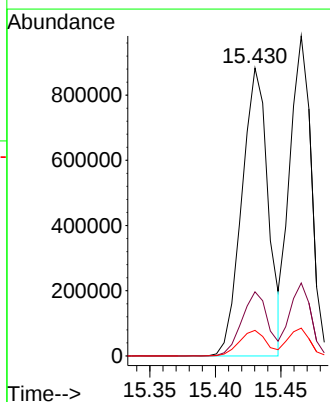
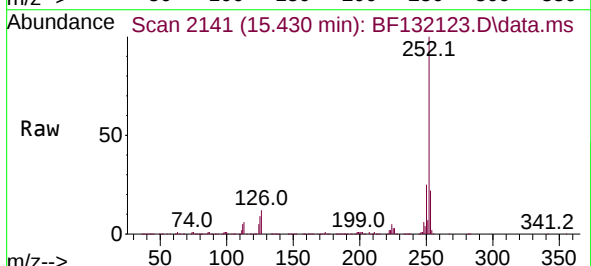
APPROVED

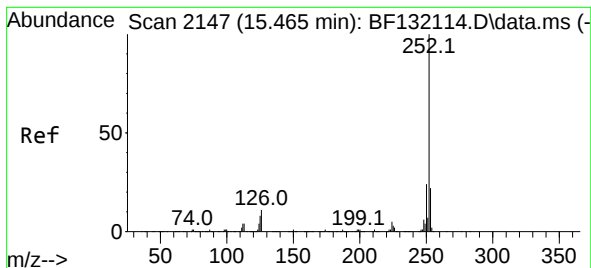
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#88  
Benzo(b)fluoranthene  
Concen: 47.396 ng  
RT: 15.430 min Scan# 2141  
Delta R.T. 0.000 min  
Lab File: BF132123.D  
Acq: 18 Jan 2023 17:47

Tgt Ion:252 Resp: 1239301  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.5 26.3  
125 8.9 7.2 10.8





#89

Benzo(k)fluoranthene

Concen: 43.449 ng

RT: 15.465 min Scan# 2147

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:252 Resp: 1136483

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

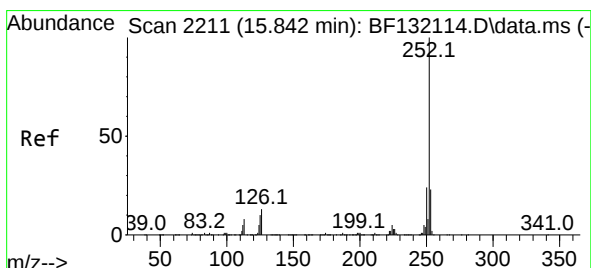
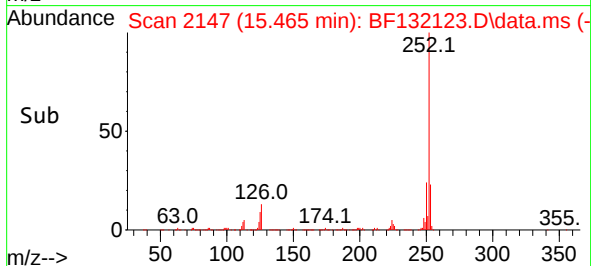
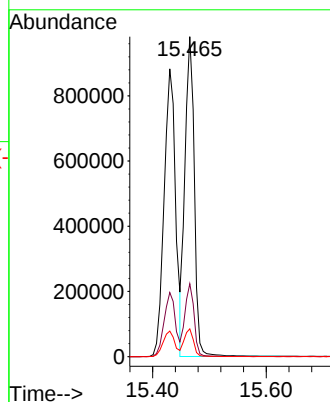
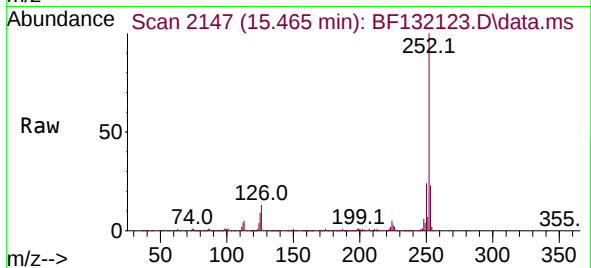
125 8.7 6.7 10.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#90

Benzo(a)pyrene

Concen: 44.686 ng

RT: 15.842 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

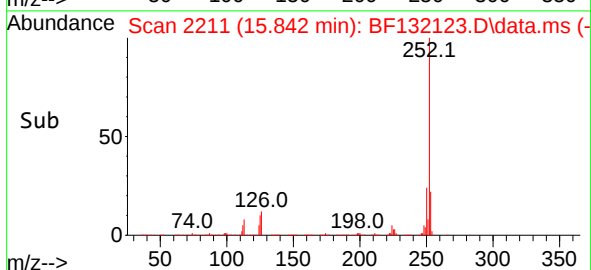
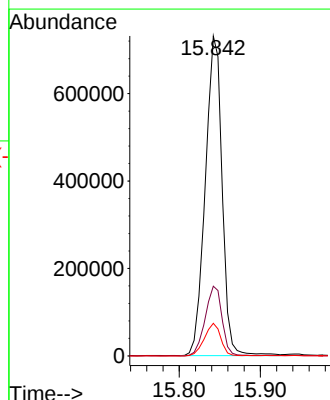
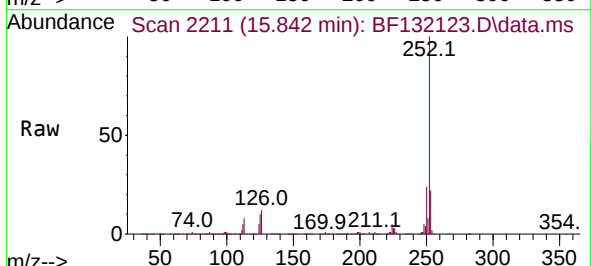
Tgt Ion:252 Resp: 1056306

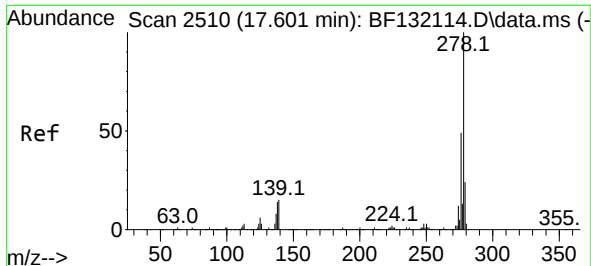
Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

125 10.2 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 52.159 ng

RT: 17.606 min Scan# 2511

Delta R.T. 0.006 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Instrument :

BNA\_F

ClientSampleId :

PB150315BS

Tgt Ion:278 Resp: 1026356

Ion Ratio Lower Upper

278 100

139 13.9 11.8 17.8

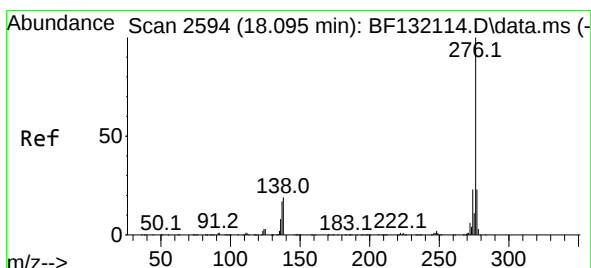
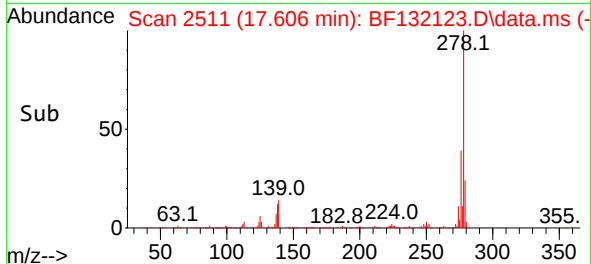
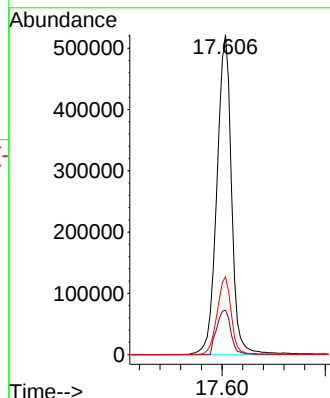
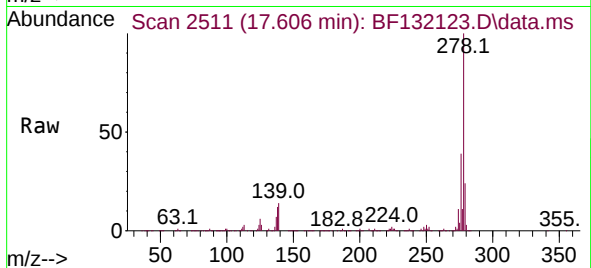
279 24.3 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#92

Benzo(g,h,i)perylene

Concen: 52.272 ng

RT: 18.095 min Scan# 2594

Delta R.T. 0.000 min

Lab File: BF132123.D

Acq: 18 Jan 2023 17:47

Tgt Ion:276 Resp: 1071657

Ion Ratio Lower Upper

276 100

277 23.8 18.6 28.0

138 20.0 15.4 23.2

