

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF020923\  
 Data File : BF132376.D  
 Acq On : 09 Feb 2023 12:24  
 Operator : CG\JU  
 Sample : PB150732BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150732BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/10/2023  
 Supervised By : Jagrut Upadhyay 02/10/2023

Quant Time: Feb 10 00:58:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 09 01:56:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.048  | 152  | 189581   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.337  | 136  | 728796   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 10.101 | 164  | 358531   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.595 | 188  | 635666   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.254 | 240  | 346872   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.824 | 264  | 310537   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.684  | 112  | 1424066  | 120.742 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.672  | 99   | 1698258  | 116.794 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.619  | 82   | 1030167  | 78.658  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.895 | 330  | 584432   | 158.512 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.413  | 172  | 1939492  | 83.537  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.189 | 244  | 2036560  | 113.573 | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.061  | 88   | 187317   | 33.753  | ng    | 94       |
| 3) Pyridine                   | 3.790  | 79   | 466927   | 31.014  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.760  | 42   | 175404   | 36.410  | ng    | 97       |
| 6) Aniline                    | 6.707  | 93   | 618624m  | 31.352  | ng    |          |
| 8) 2-Chlorophenol             | 6.831  | 128  | 582841   | 47.713  | ng    | 95       |
| 9) Benzaldehyde               | 6.596  | 77   | 183307   | 19.074  | ng    | 96       |
| 10) Phenol                    | 6.684  | 94   | 612708m  | 40.711  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.778  | 93   | 530129   | 42.800  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.990  | 146  | 602356   | 46.623  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.066  | 146  | 605641   | 46.962  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.219  | 146  | 587933   | 48.884  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.190  | 79   | 423233   | 39.890  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.319  | 45   | 479613   | 36.752  | ng    | 93       |
| 17) 2-Methylphenol            | 7.290  | 107  | 442095   | 41.345  | ng    | 99       |
| 18) Hexachloroethane          | 7.560  | 117  | 227029   | 46.927  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.460  | 70   | 300790   | 36.418  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.448  | 107  | 540296   | 39.589  | ng    | # 84     |
| 22) Acetophenone              | 7.460  | 105  | 714714   | 41.701  | ng    | 97       |
| 24) Nitrobenzene              | 7.637  | 77   | 511260   | 38.211  | ng    | 92       |
| 25) Isophorone                | 7.872  | 82   | 975802   | 39.256  | ng    | 95       |
| 26) 2-Nitrophenol             | 7.948  | 139  | 313198   | 48.057  | ng    | # 91     |
| 27) 2,4-Dimethylphenol        | 7.978  | 122  | 495635   | 43.449  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 8.078  | 93   | 615293   | 40.279  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 8.190  | 162  | 456569   | 45.081  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.272  | 180  | 513109   | 47.311  | ng    | 98       |
| 31) Naphthalene               | 8.360  | 128  | 1518701  | 42.335  | ng    | 99       |
| 32) Benzoic acid              | 8.095  | 122  | 386603   | 45.785  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.395  | 127  | 220221   | 13.844  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.466  | 225  | 310376   | 50.906  | ng    | 99       |
| 35) Caprolactam               | 8.784  | 113  | 146761m  | 42.506  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.878  | 107  | 468360   | 42.926  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 9.048  | 142  | 1004611  | 41.343  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.154  | 142  | 936061   | 41.452  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.219  | 216  | 478375   | 47.413  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.201  | 237  | 545654   | 92.696  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.325  | 196  | 340548   | 47.218  | ng    | 99       |

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 Sample : PB150732BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
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Manual Integrations  
 APPROVED

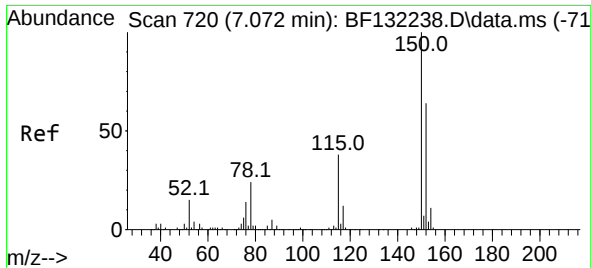
Reviewed By : Christian Giraldo 02/10/2023  
 Supervised By : Jagrut Upadhyay 02/10/2023

Quant Time: Feb 10 00:58:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF013123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 09 01:56:26 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.366  | 196  | 355534   | 42.829 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.519  | 154  | 1211839  | 43.842 | ng    | 96       |
| 47) 2-Chloronaphthalene       | 9.542  | 162  | 939048   | 44.605 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.637  | 65   | 224550   | 35.864 | ng    | # 80     |
| 49) Acenaphthylene            | 9.966  | 152  | 1434012  | 41.736 | ng    | 99       |
| 50) Dimethylphthalate         | 9.813  | 163  | 1094149  | 43.627 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.878  | 165  | 253674   | 45.289 | ng    | # 87     |
| 52) Acenaphthene              | 10.137 | 154  | 1041026  | 48.395 | ng    | 100      |
| 53) 3-Nitroaniline            | 10.048 | 138  | 180405   | 26.559 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 10.154 | 184  | 298344   | 91.245 | ng    | 96       |
| 55) Dibenzofuran              | 10.307 | 168  | 1274703  | 42.176 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.201 | 139  | 409559   | 80.126 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 10.284 | 165  | 331362   | 45.542 | ng    | 91       |
| 58) Fluorene                  | 10.654 | 166  | 985311   | 42.360 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.419 | 232  | 287166   | 47.452 | ng    | 98       |
| 60) Diethylphthalate          | 10.513 | 149  | 1103288  | 44.221 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.642 | 204  | 490718   | 44.454 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.672 | 138  | 242810   | 37.277 | ng    | 95       |
| 63) Azobenzene                | 10.801 | 77   | 881825   | 36.286 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 10.695 | 198  | 183297   | 50.806 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.760 | 169  | 869194   | 43.667 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 11.131 | 248  | 312615   | 48.027 | ng    | 94       |
| 68) Hexachlorobenzene         | 11.201 | 284  | 365578   | 52.546 | ng    | 95       |
| 69) Atrazine                  | 11.283 | 200  | 297298   | 51.927 | ng    | 97       |
| 70) Pentachlorophenol         | 11.395 | 266  | 400400   | 83.761 | ng    | 100      |
| 71) Phenanthrene              | 11.625 | 178  | 1426588  | 42.947 | ng    | 100      |
| 72) Anthracene                | 11.678 | 178  | 1436233  | 42.486 | ng    | 100      |
| 73) Carbazole                 | 11.825 | 167  | 1260855  | 41.597 | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.148 | 149  | 1614782  | 45.062 | ng    | 100      |
| 75) Fluoranthene              | 12.819 | 202  | 1391728  | 41.057 | ng    | 97       |
| 77) Benzidine                 | 12.936 | 184  | 339201   | 27.971 | ng    | 98       |
| 78) Pyrene                    | 13.054 | 202  | 1415542  | 50.738 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.660 | 149  | 623198   | 50.559 | ng    | 94       |
| 81) Benzo(a)anthracene        | 14.242 | 228  | 1080684  | 44.545 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 14.201 | 252  | 237251   | 30.704 | ng    | 99       |
| 83) Chrysene                  | 14.283 | 228  | 987070   | 43.450 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.213 | 149  | 807630   | 48.474 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.848 | 149  | 1200603  | 44.180 | ng    | # 96     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.460 | 276  | 1050299  | 50.901 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.354 | 252  | 994857   | 50.400 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.389 | 252  | 903076   | 47.930 | ng    | 97       |
| 90) Benzo(a)pyrene            | 15.760 | 252  | 831175   | 45.219 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.477 | 278  | 864012   | 52.082 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.960 | 276  | 863593   | 50.389 | ng    | 96       |

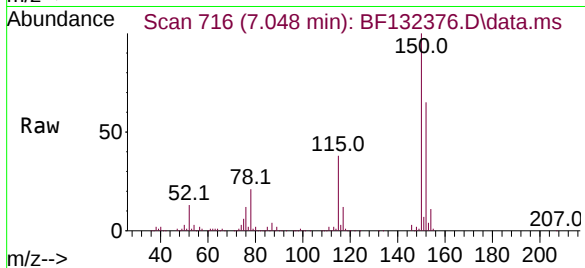
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.048 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

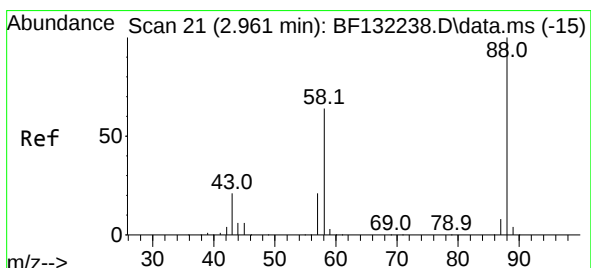
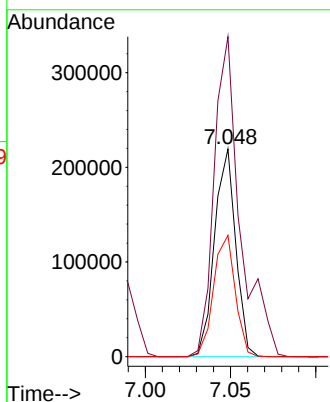
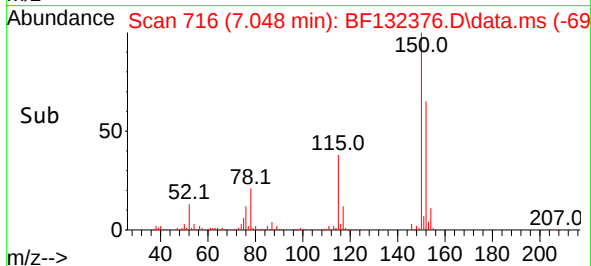
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



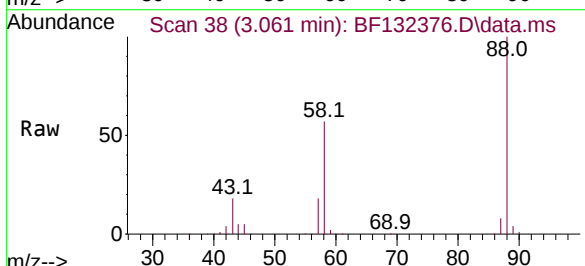
Tgt Ion:152 Resp: 18958  
Ion Ratio Lower Upper  
152 100  
150 154.2 124.2 186.2  
115 58.4 47.3 70.9

Manual Integrations  
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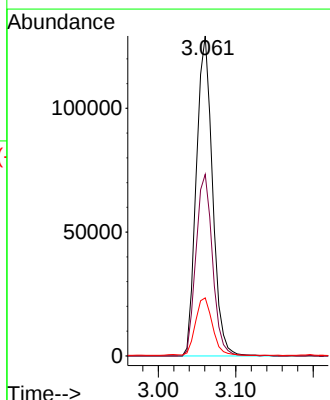
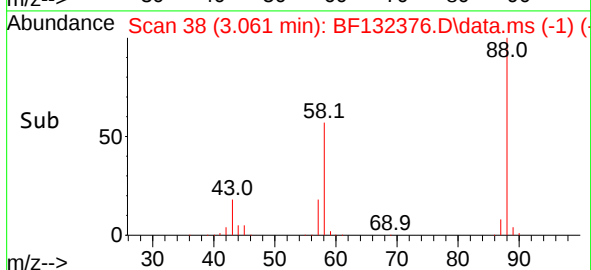
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

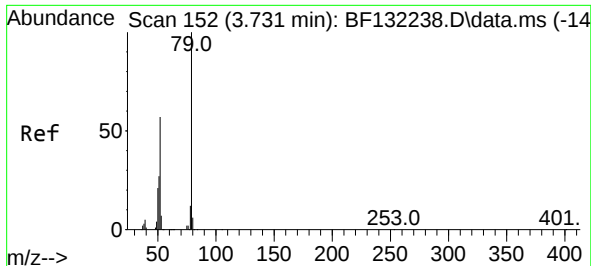


#2  
1,4-Dioxane  
Concen: 33.753 ng  
RT: 3.061 min Scan# 38  
Delta R.T. 0.130 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



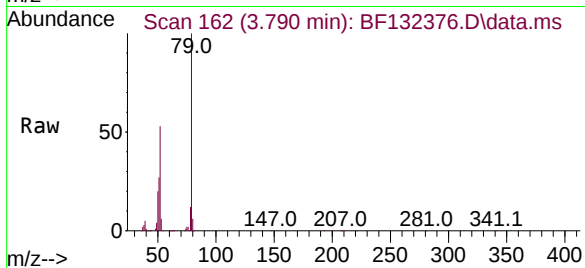
Tgt Ion: 88 Resp: 187317  
Ion Ratio Lower Upper  
88 100  
58 58.0 50.2 75.2  
43 18.9 16.9 25.3





#3  
Pyridine  
Concen: 31.014 ng  
RT: 3.790 min Scan# 10  
Delta R.T. 0.088 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

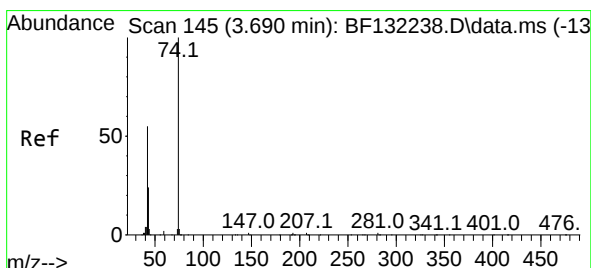
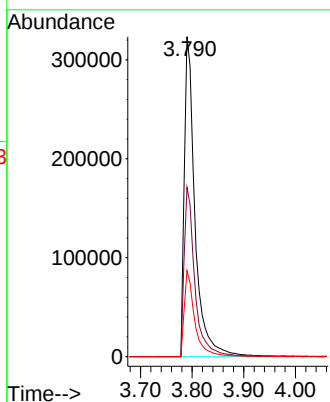
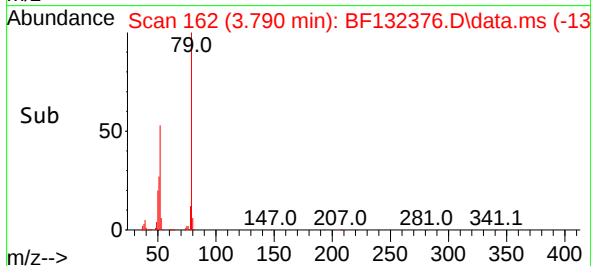
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



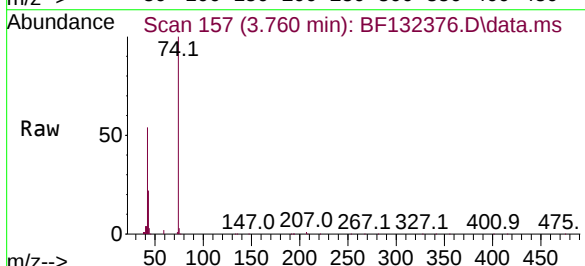
Tgt Ion: 79 Resp: 466927  
Ion Ratio Lower Upper  
79 100  
52 52.9 45.6 68.4  
51 26.9 21.5 32.3

Manual Integrations  
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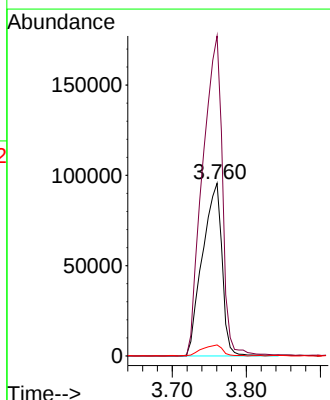
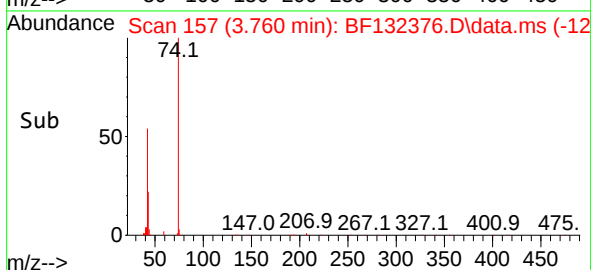
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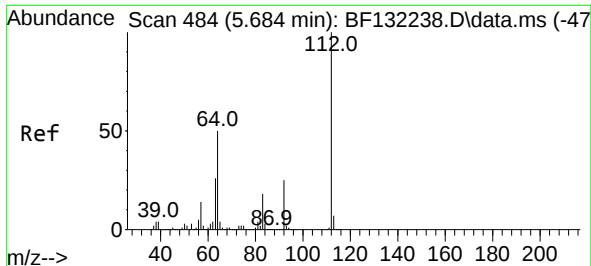


#4  
n-Nitrosodimethylamine  
Concen: 36.410 ng  
RT: 3.760 min Scan# 157  
Delta R.T. 0.094 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



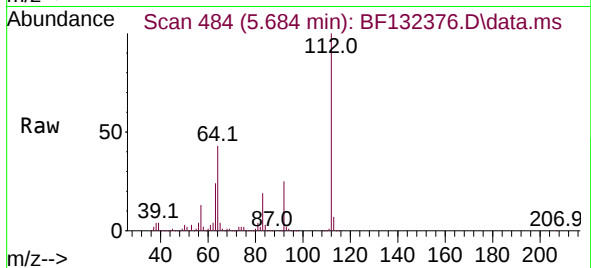
Tgt Ion: 42 Resp: 175404  
Ion Ratio Lower Upper  
42 100  
74 185.4 144.6 217.0  
44 6.3 5.1 7.7





#5  
2-Fluorophenol  
Concen: 120.742 ng  
RT: 5.684 min Scan# 484  
Delta R.T. 0.024 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

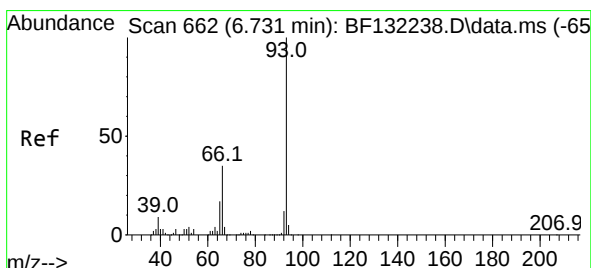
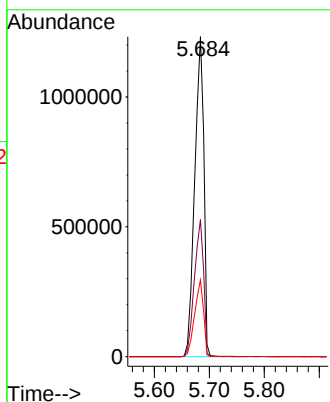
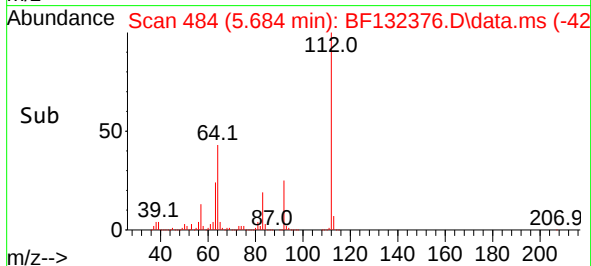
Instrument :  
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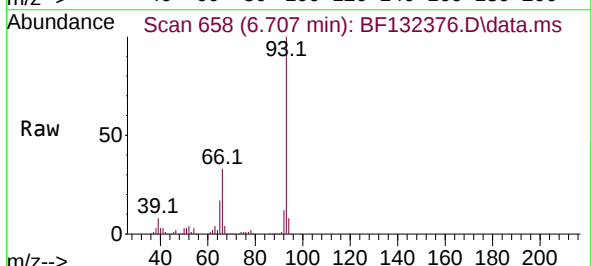
Tgt Ion:112 Resp: 1424066  
Ion Ratio Lower Upper  
112 100  
64 42.8 40.0 60.0  
63 23.9 20.5 30.7

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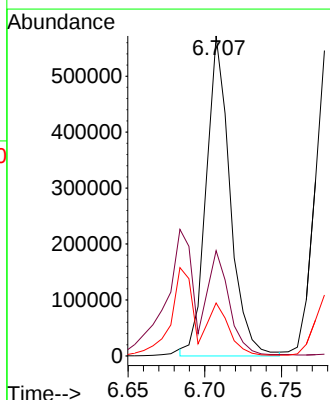
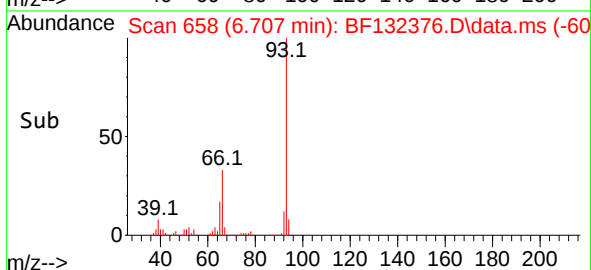
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Supervised By :Jagrut Upadhyay 02/10/2023

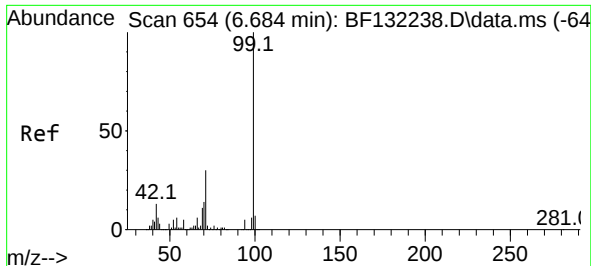


#6  
Aniline  
Concen: 31.352 ng m  
RT: 6.707 min Scan# 658  
Delta R.T. -0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



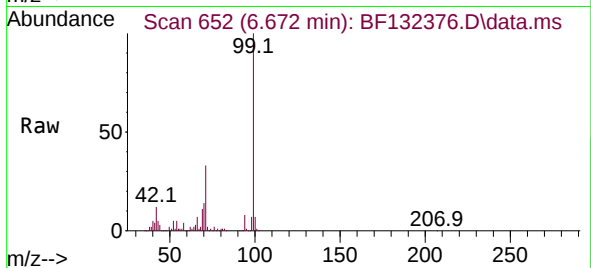
Tgt Ion: 93 Resp: 618624  
Ion Ratio Lower Upper  
93 100  
66 32.9 28.8 43.2  
65 16.5 14.2 21.4





#7  
Phenol-d6  
Concen: 116.794 ng  
RT: 6.672 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

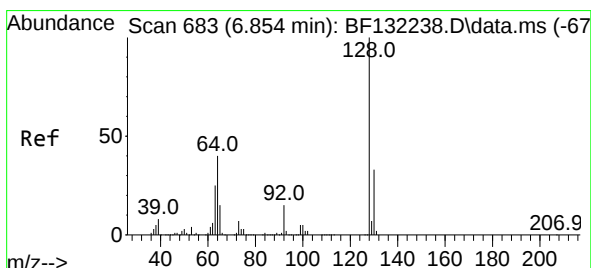
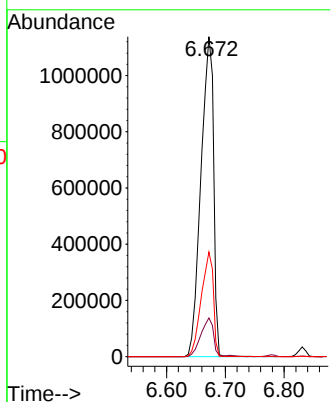
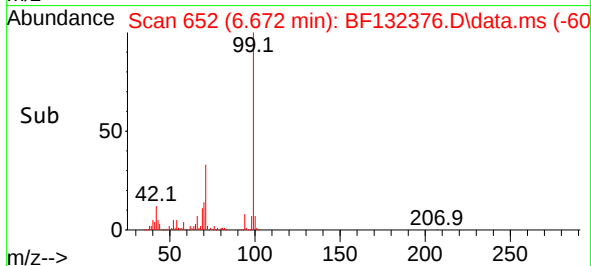
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1698258  
Ion Ratio Lower Upper  
99 100  
42 12.1 10.1 15.1  
71 32.7 24.2 36.4

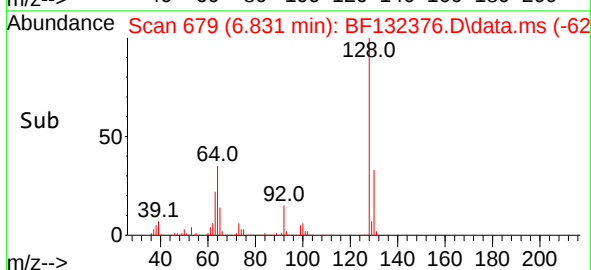
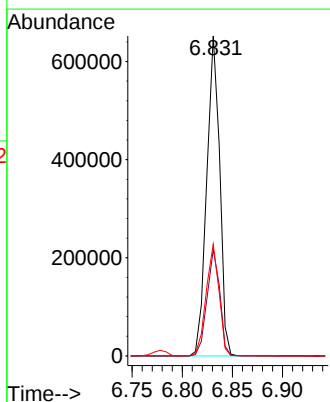
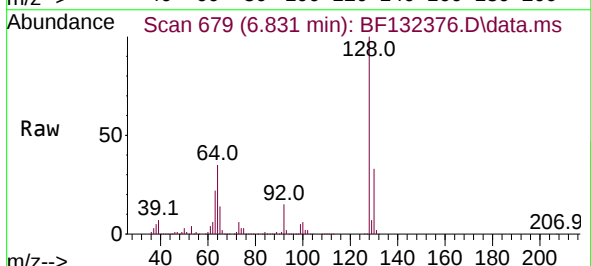
Manual Integrations  
APPROVED

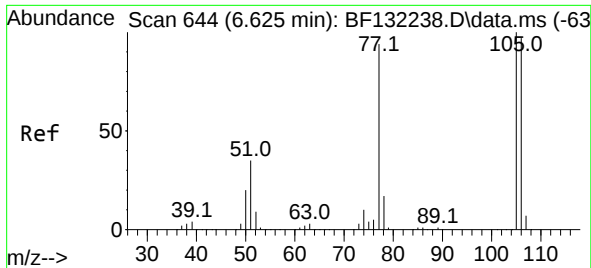
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#8  
2-Chlorophenol  
Concen: 47.713 ng  
RT: 6.831 min Scan# 679  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion:128 Resp: 582841  
Ion Ratio Lower Upper  
128 100  
130 33.2 13.3 53.3  
64 34.9 20.1 60.1





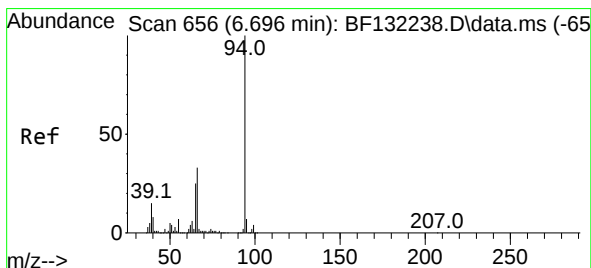
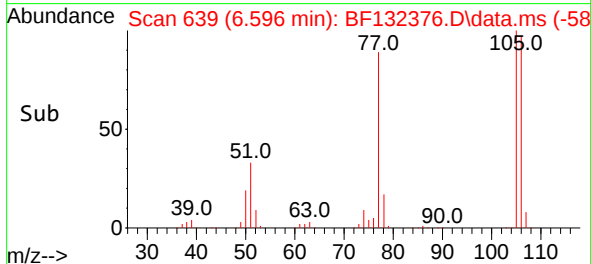
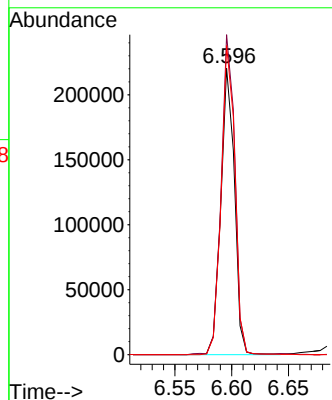
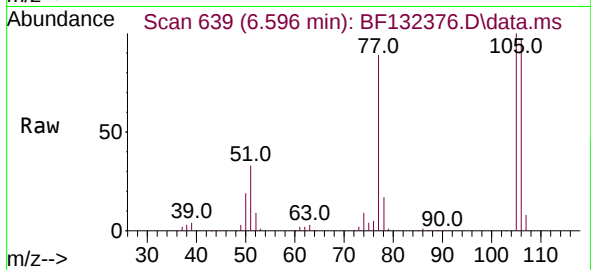
#9  
Benzaldehyde  
Concen: 19.074 ng  
RT: 6.596 min Scan# 644  
Delta R.T. -0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

Tgt Ion: 77 Resp: 183307  
Ion Ratio Lower Upper  
77 100  
105 111.8 86.8 126.8  
106 108.0 83.8 123.8

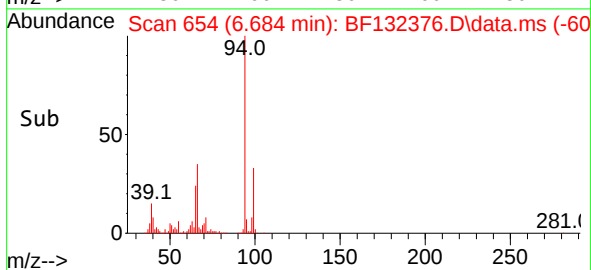
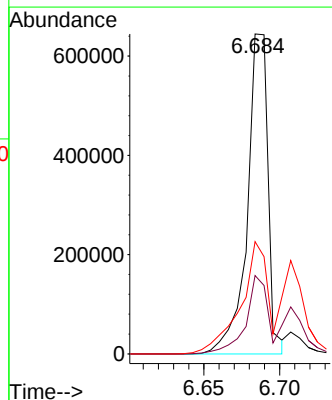
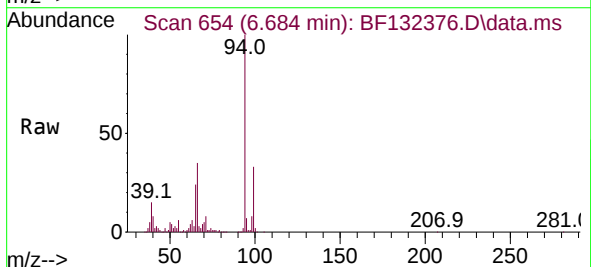
Manual Integrations  
APPROVED

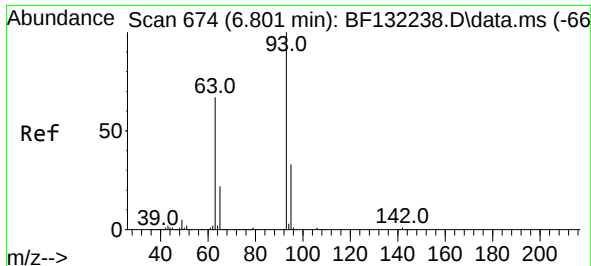
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#10  
Phenol  
Concen: 40.711 ng m  
RT: 6.684 min Scan# 654  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion: 94 Resp: 612708  
Ion Ratio Lower Upper  
94 100  
65 24.5 5.1 45.1  
66 35.1 13.0 53.0





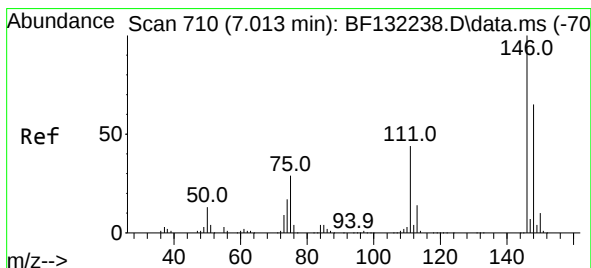
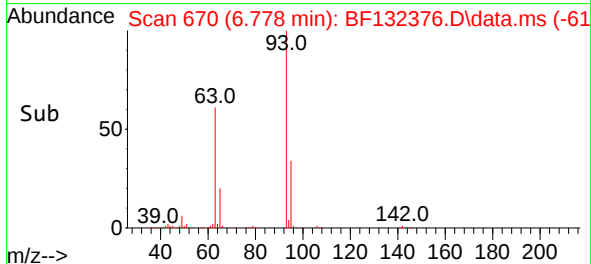
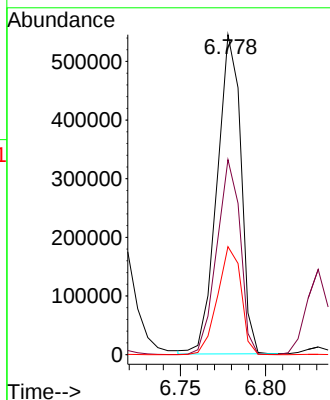
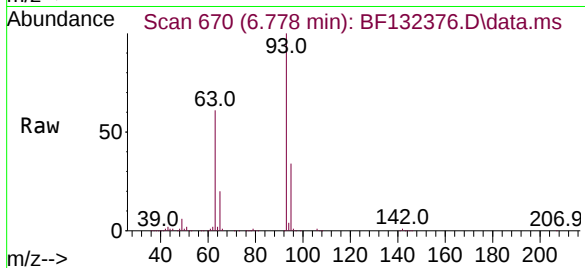
#11  
bis(2-Chloroethyl)ether  
Concen: 42.800 ng  
RT: 6.778 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

Tgt Ion: 93 Resp: 530129  
Ion Ratio Lower Upper  
93 100  
63 60.9 46.7 86.7  
95 33.7 13.4 53.4

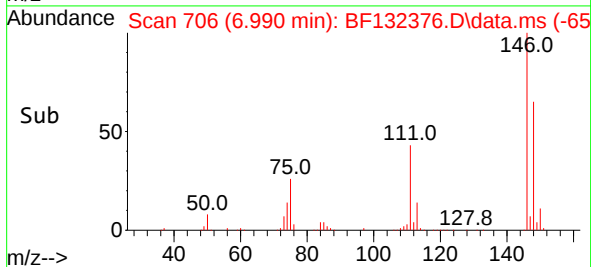
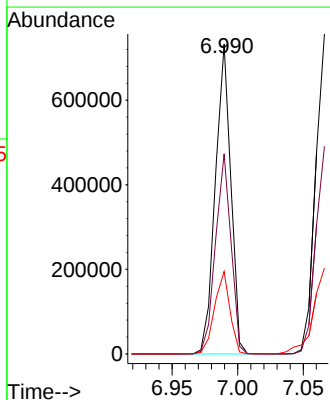
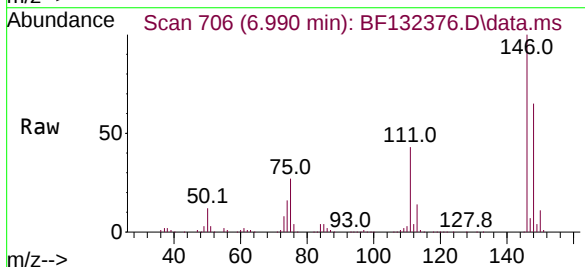
Manual Integrations  
APPROVED

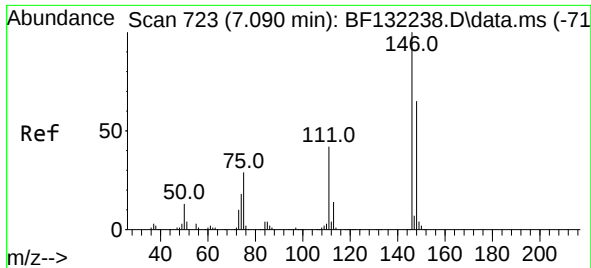
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#12  
1,3-Dichlorobenzene  
Concen: 46.623 ng  
RT: 6.990 min Scan# 706  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion:146 Resp: 602356  
Ion Ratio Lower Upper  
146 100  
148 64.6 51.8 77.8  
75 26.6 23.5 35.3





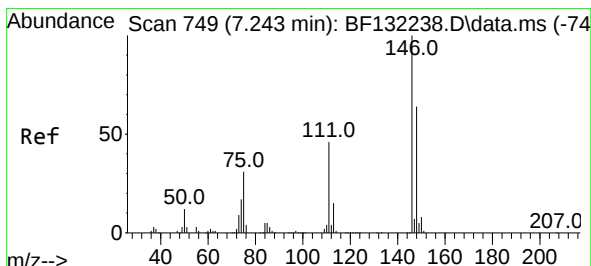
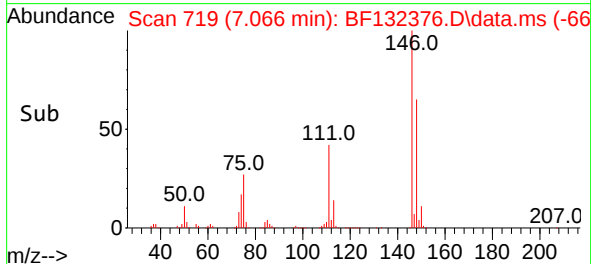
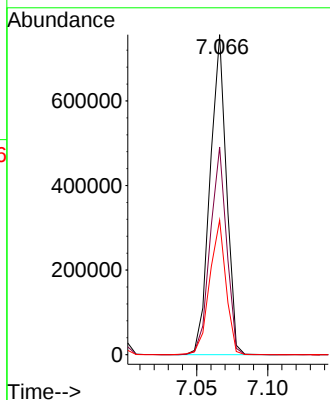
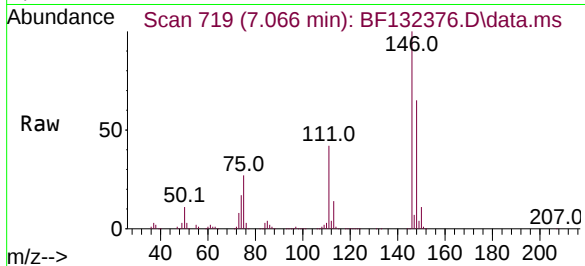
#13  
1,4-Dichlorobenzene  
Concen: 46.962 ng  
RT: 7.066 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

Tgt Ion:146 Resp: 60564  
Ion Ratio Lower Upper  
146 100  
148 64.9 52.4 78.6  
111 42.0 34.0 51.0

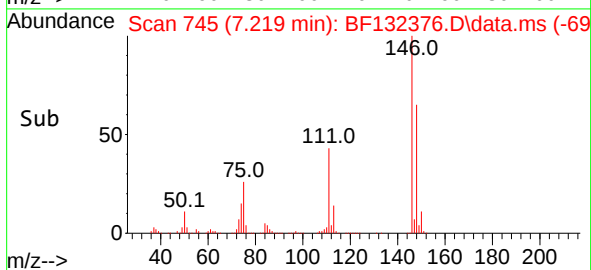
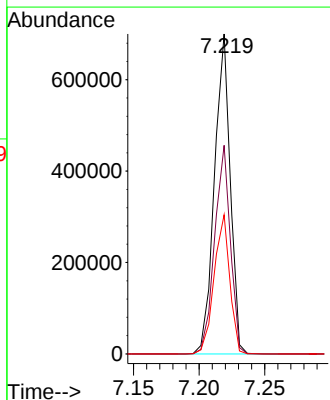
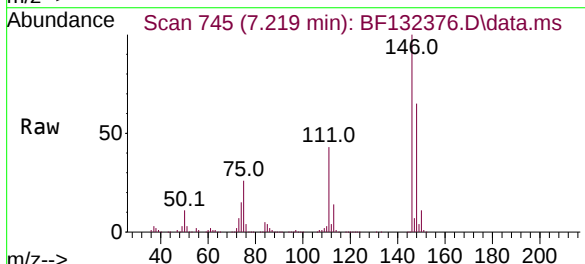
Manual Integrations  
APPROVED

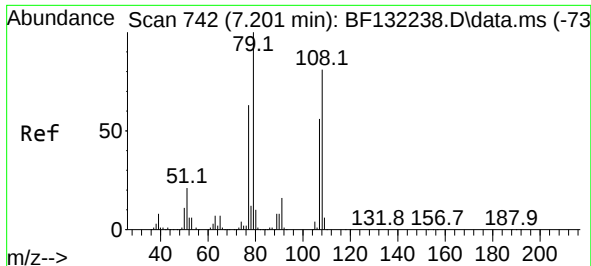
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#14  
1,2-Dichlorobenzene  
Concen: 48.884 ng  
RT: 7.219 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion:146 Resp: 587933  
Ion Ratio Lower Upper  
146 100  
148 65.2 51.4 77.0  
111 43.5 37.1 55.7





#15

Benzyl Alcohol

Concen: 39.890 ng

RT: 7.190 min Scan# 742

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion: 79 Resp: 423233

Ion Ratio Lower Upper

79 100

108 89.9 64.6 97.0

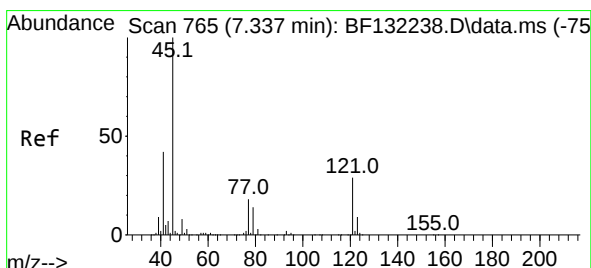
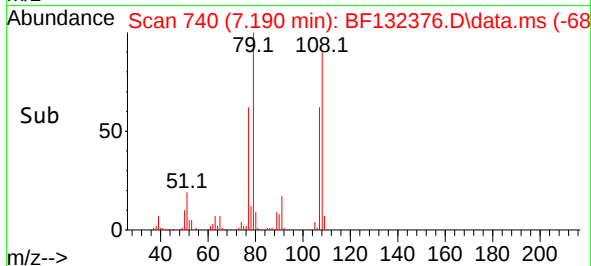
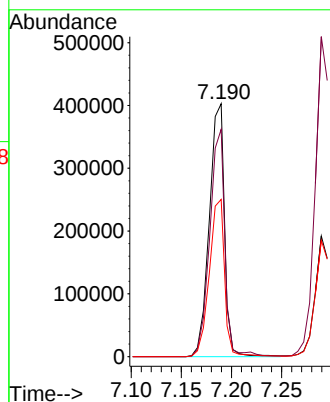
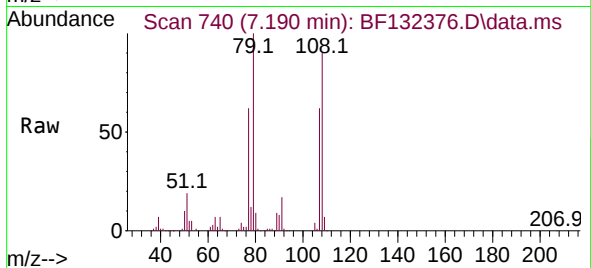
77 62.2 50.1 75.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#16

2,2'-oxybis(1-Chloropropane)

Concen: 36.752 ng

RT: 7.319 min Scan# 762

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

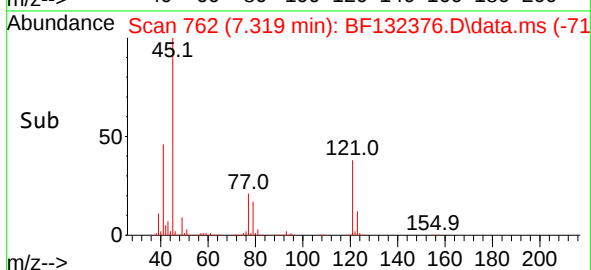
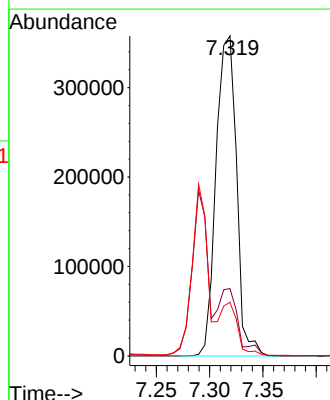
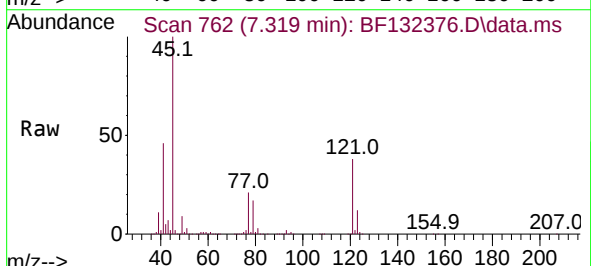
Tgt Ion: 45 Resp: 479613

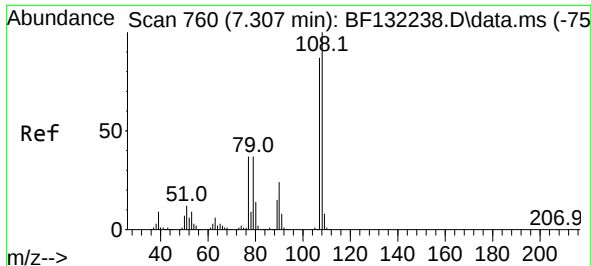
Ion Ratio Lower Upper

45 100

77 21.0 0.0 38.0

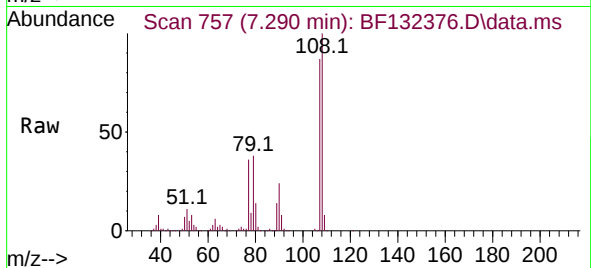
79 16.8 0.0 33.8





#17  
2-Methylphenol  
Concen: 41.345 ng  
RT: 7.290 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

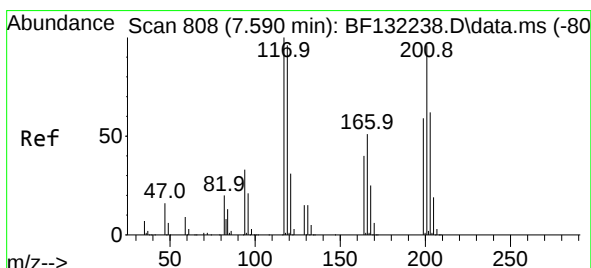
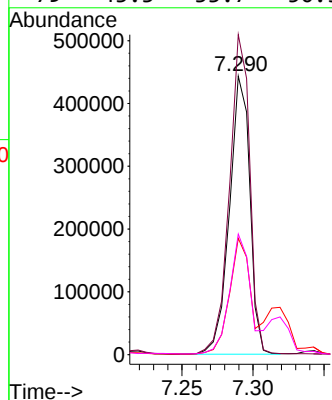
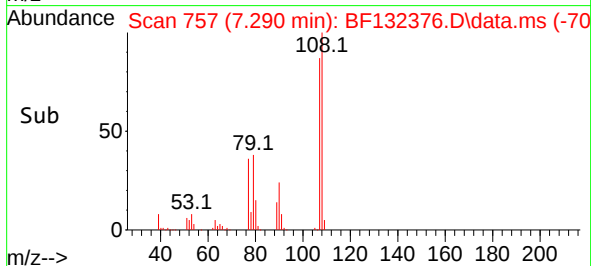
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:107 Resp: 442095  
Ion Ratio Lower Upper  
107 100  
108 114.9 91.8 137.6  
77 41.8 34.2 51.2  
79 43.3 33.7 50.5

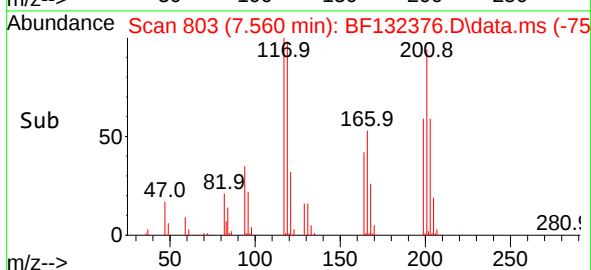
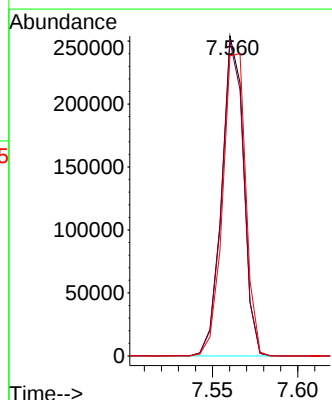
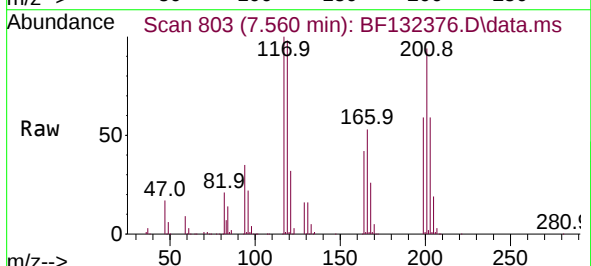
Manual Integrations  
APPROVED

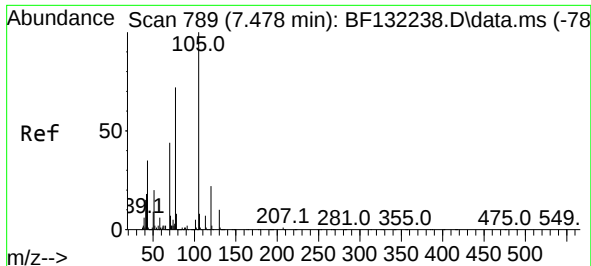
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#18  
Hexachloroethane  
Concen: 46.927 ng  
RT: 7.560 min Scan# 803  
Delta R.T. -0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

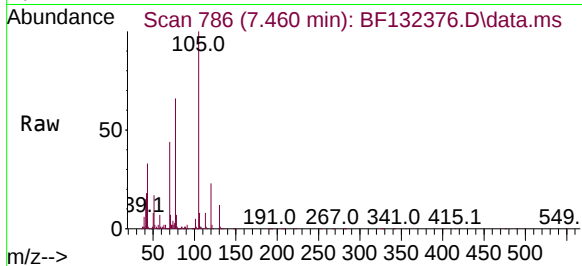
Tgt Ion:117 Resp: 227029  
Ion Ratio Lower Upper  
117 100  
119 98.4 76.7 115.1  
201 93.8 76.6 114.8





#19  
n-Nitroso-di-n-propylamine  
Concen: 36.418 ng  
RT: 7.460 min Scan# 784  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

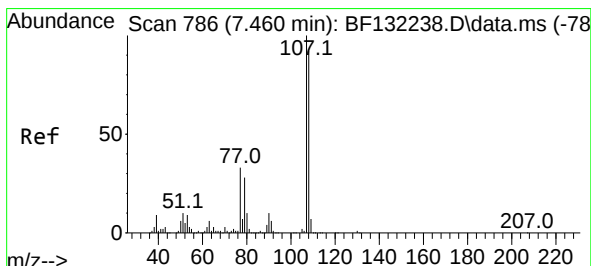
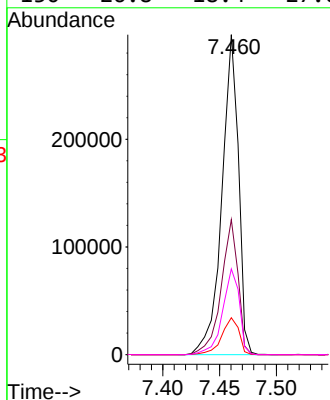
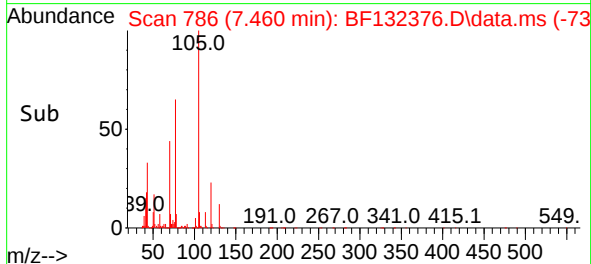
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



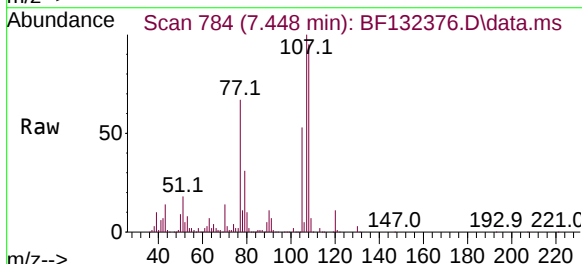
Tgt Ion: 70 Resp: 300790  
Ion Ratio Lower Upper  
70 100  
42 42.2 33.4 50.0  
101 11.6 8.2 12.4  
130 26.8 18.4 27.6

Manual Integrations  
APPROVED

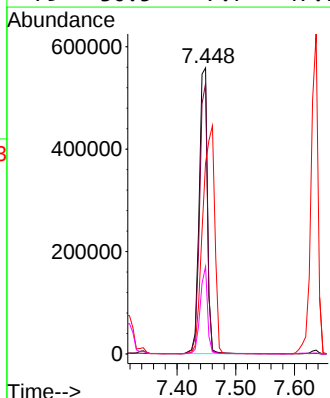
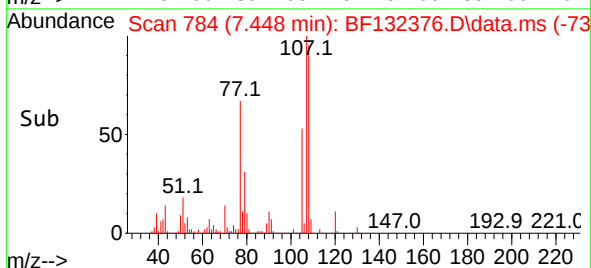
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

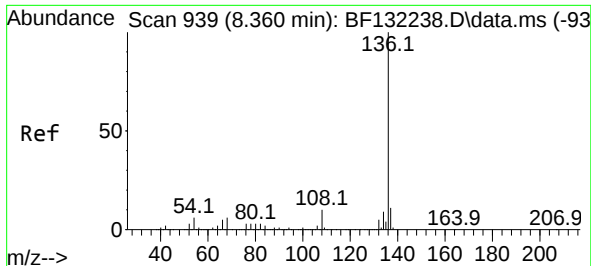


#20  
3+4-Methylphenols  
Concen: 39.589 ng  
RT: 7.448 min Scan# 784  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



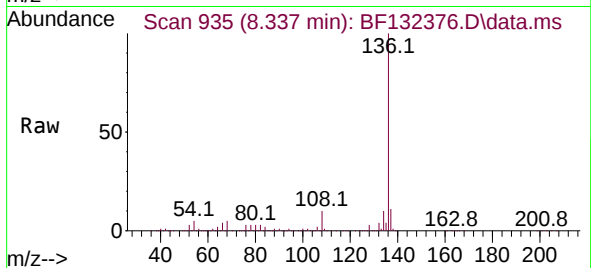
Tgt Ion:107 Resp: 540296  
Ion Ratio Lower Upper  
107 100  
108 94.5 71.6 111.6  
77 66.7 13.4 53.4#  
79 30.5 7.7 47.7





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.337 min Scan# 935  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

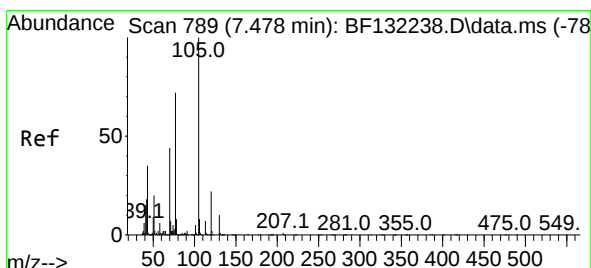
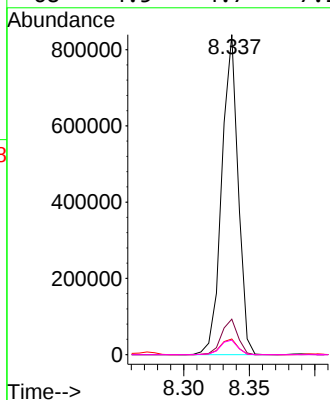
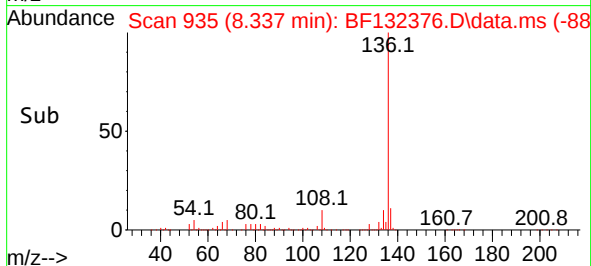
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:136 Resp: 728796  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.8 13.2  
54 4.9 4.9 7.3  
68 4.5 4.7 7.1

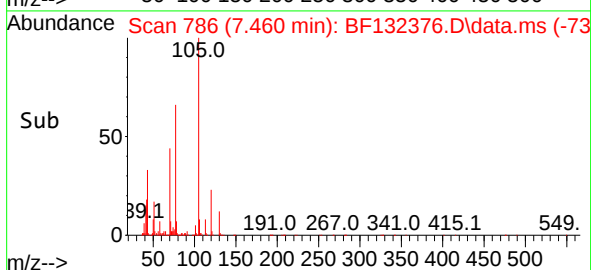
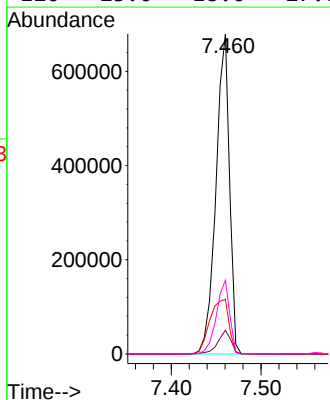
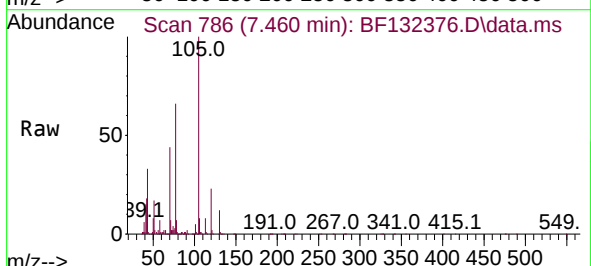
Manual Integrations  
APPROVED

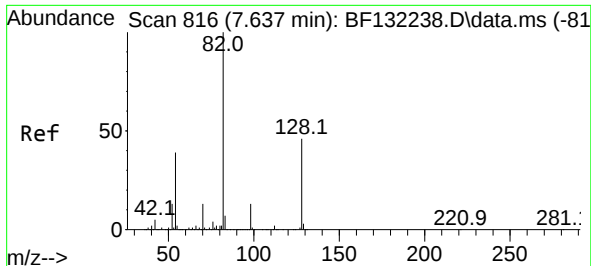
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#22  
Acetophenone  
Concen: 41.701 ng  
RT: 7.460 min Scan# 786  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

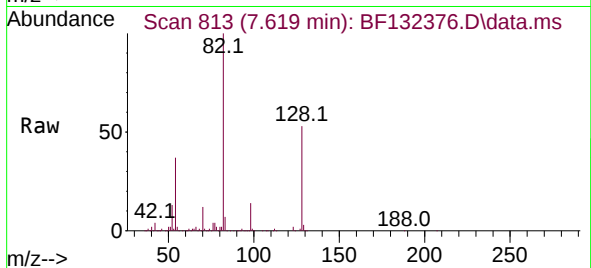
Tgt Ion:105 Resp: 714714  
Ion Ratio Lower Upper  
105 100  
71 7.4 5.8 8.6  
51 17.1 16.2 24.2  
120 23.0 18.0 27.0





#23  
Nitrobenzene-d5  
Concen: 78.658 ng  
RT: 7.619 min Scan# 813  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

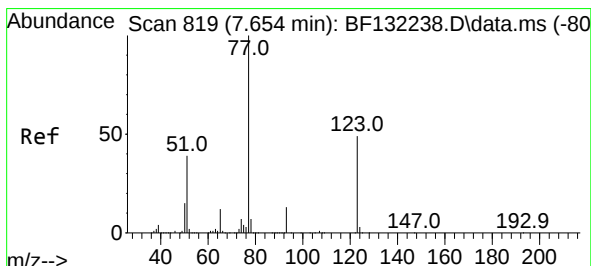
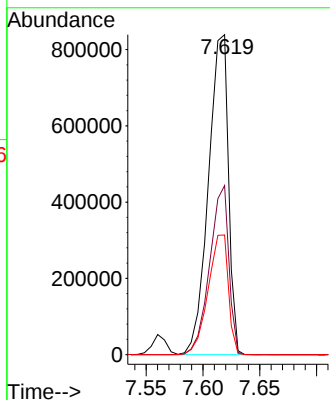
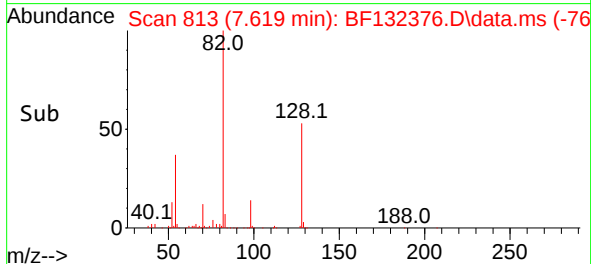
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion: 82 Resp: 103016  
Ion Ratio Lower Upper  
82 100  
128 52.8 37.0 55.4  
54 37.4 31.5 47.3

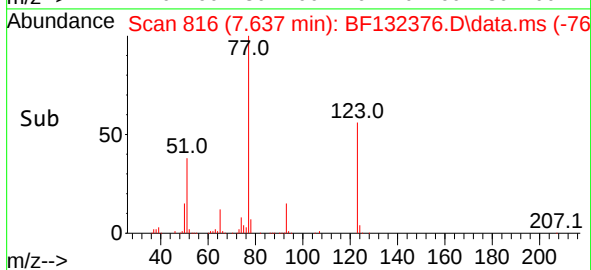
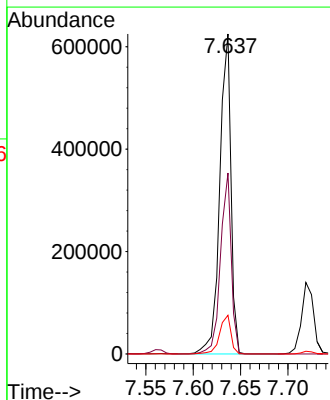
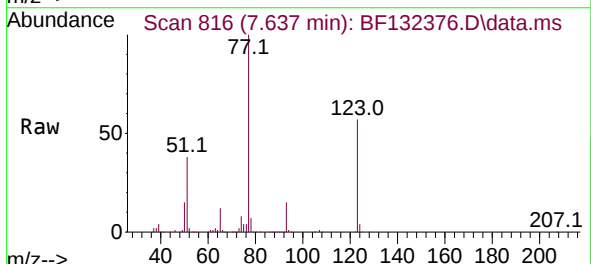
Manual Integrations  
APPROVED

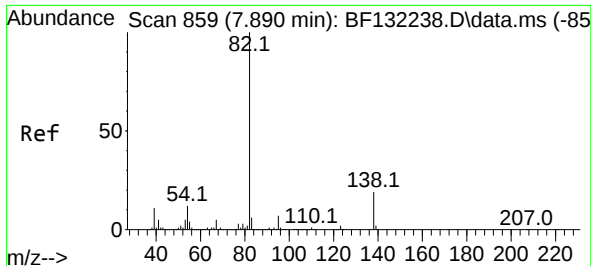
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#24  
Nitrobenzene  
Concen: 38.211 ng  
RT: 7.637 min Scan# 816  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

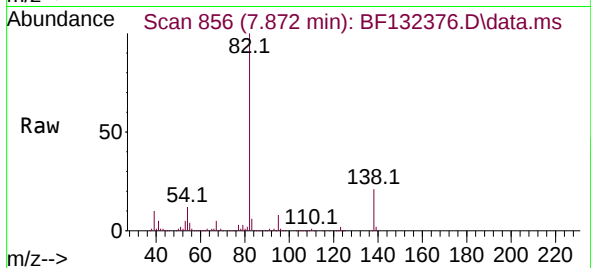
Tgt Ion: 77 Resp: 511260  
Ion Ratio Lower Upper  
77 100  
123 56.5 39.5 59.3  
65 12.1 9.8 14.8





#25  
Isophorone  
Concen: 39.256 ng  
RT: 7.872 min Scan# 856  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

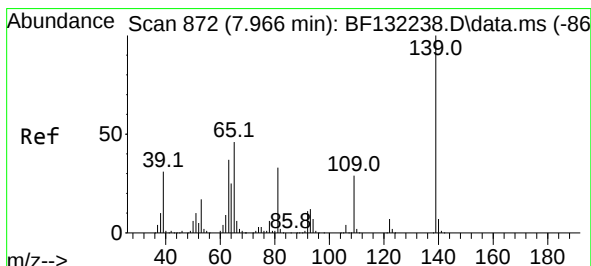
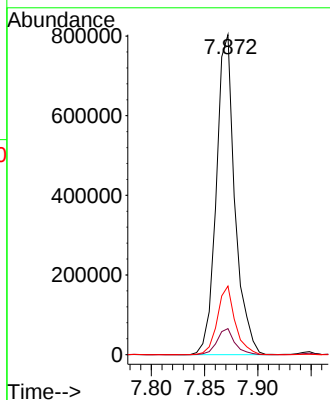
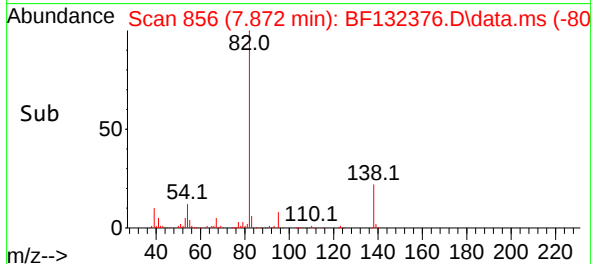
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



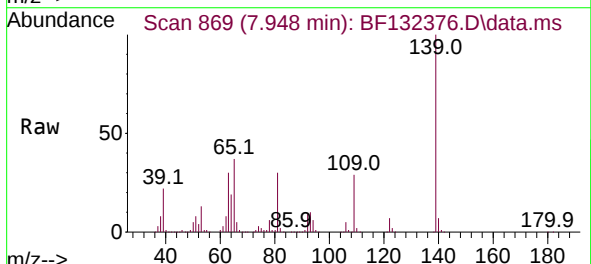
Tgt Ion: 82 Resp: 975802  
Ion Ratio Lower Upper  
82 100  
95 8.2 5.6 8.4  
138 21.4 15.0 22.6

Manual Integrations  
APPROVED

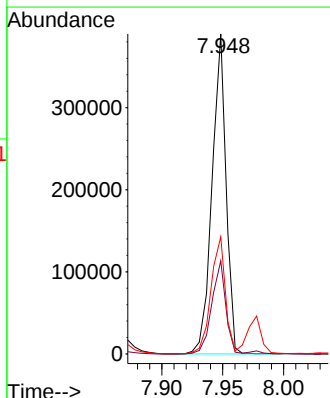
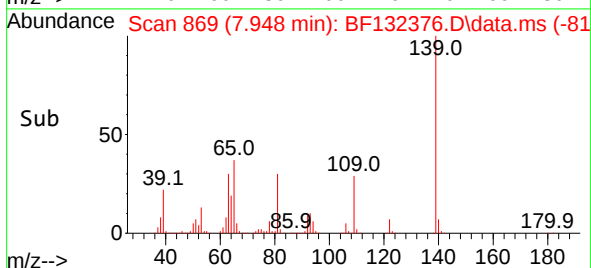
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

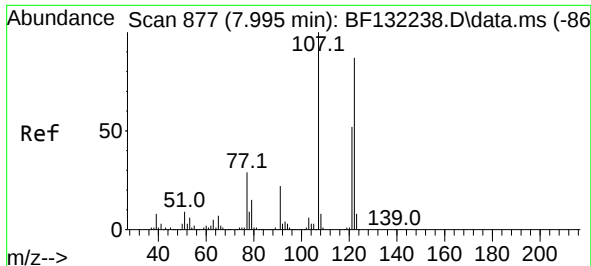


#26  
2-Nitrophenol  
Concen: 48.057 ng  
RT: 7.948 min Scan# 869  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



Tgt Ion:139 Resp: 313198  
Ion Ratio Lower Upper  
139 100  
109 29.1 23.0 34.6  
65 36.6 36.6 55.0#





#27

2,4-Dimethylphenol

Concen: 43.449 ng

RT: 7.978 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

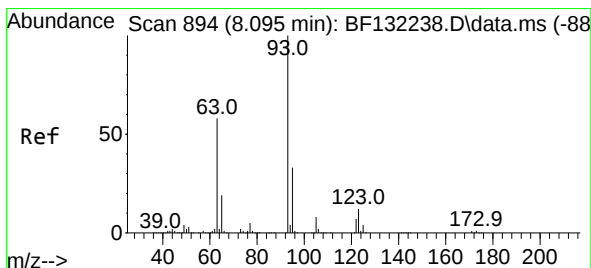
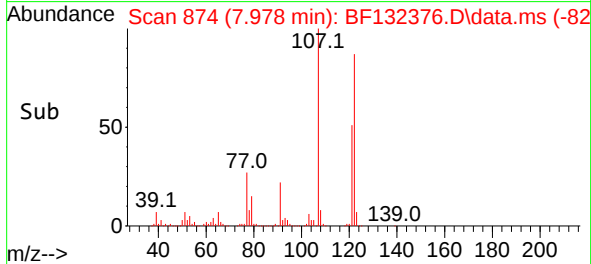
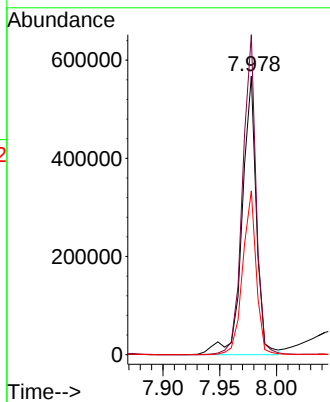
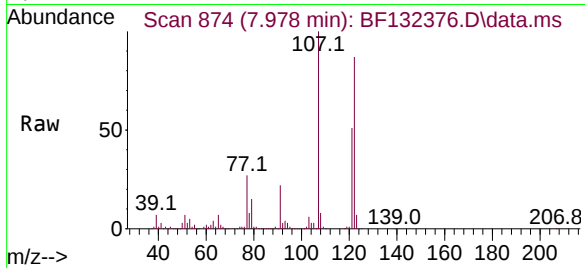
PB150732BSD

Tgt Ion:122 Resp: 495635  
 Ion Ratio Lower Upper  
 122 100  
 107 114.9 91.9 137.9  
 121 58.8 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023  
 Supervised By :Jagrut Upadhyay 02/10/2023



#28

bis(2-Chloroethoxy)methane

Concen: 40.279 ng

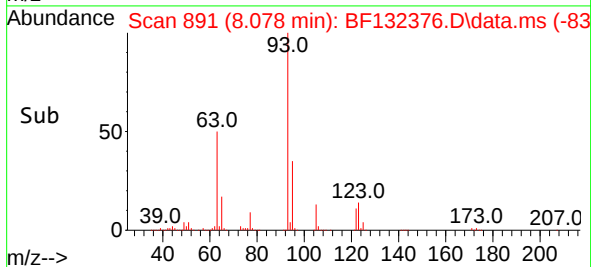
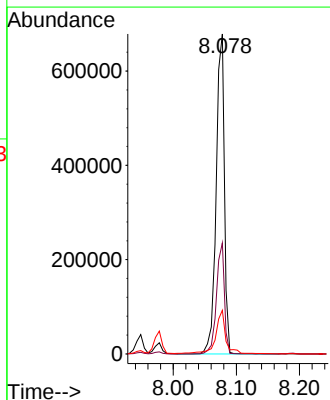
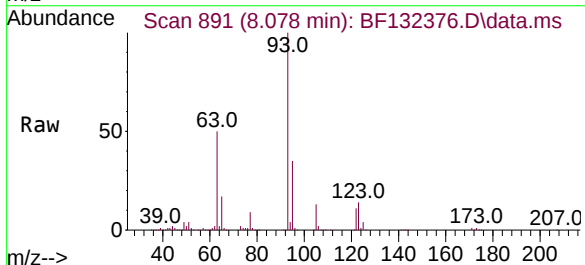
RT: 8.078 min Scan# 891

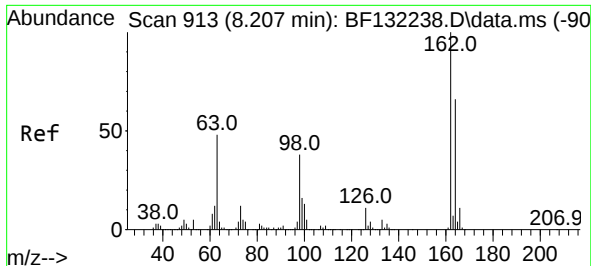
Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Tgt Ion: 93 Resp: 615293  
 Ion Ratio Lower Upper  
 93 100  
 95 34.7 26.6 40.0  
 123 13.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 45.081 ng

RT: 8.190 min Scan# 913

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:162 Resp: 456569

Ion Ratio Lower Upper

162 100

164 66.2 46.4 86.4

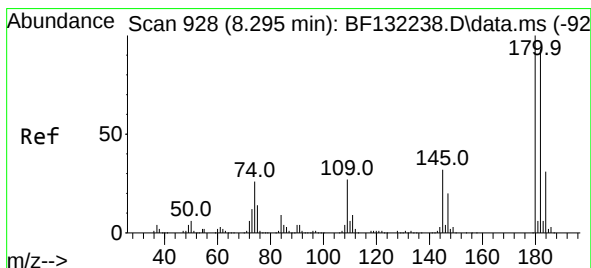
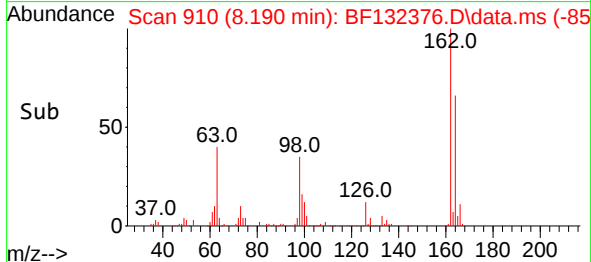
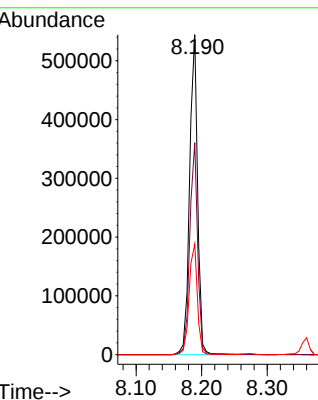
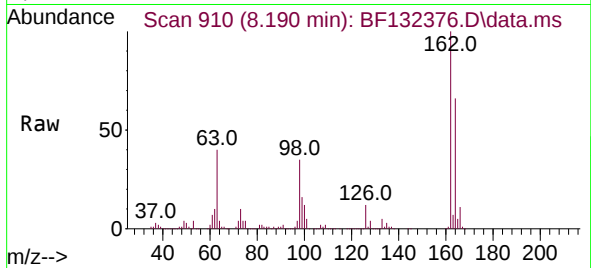
98 34.6 17.8 57.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.311 ng

RT: 8.272 min Scan# 924

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

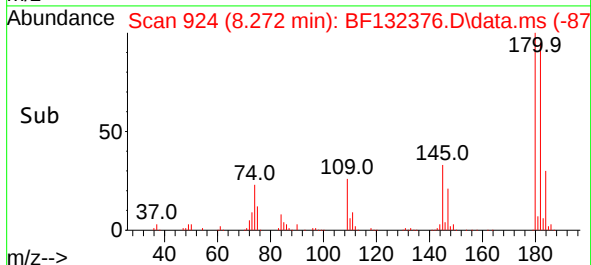
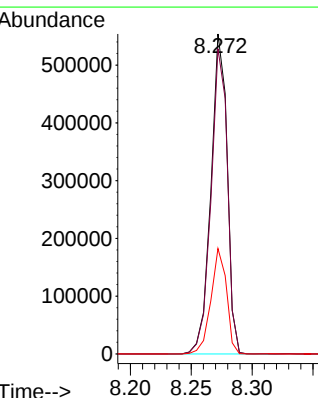
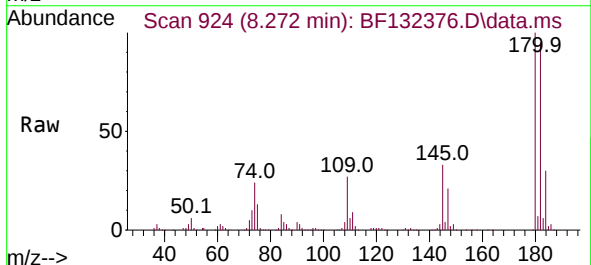
Tgt Ion:180 Resp: 513109

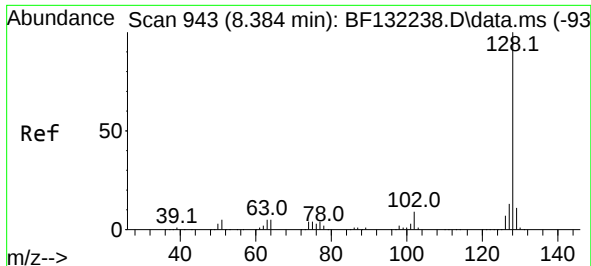
Ion Ratio Lower Upper

180 100

182 95.4 74.6 112.0

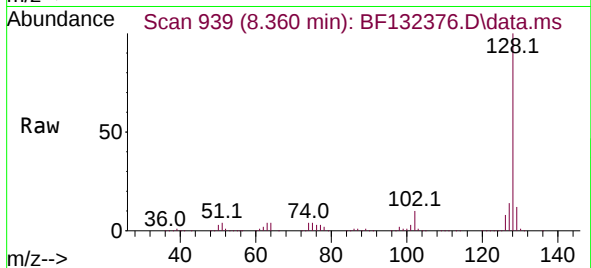
145 32.9 25.3 37.9





#31  
Naphthalene  
Concen: 42.335 ng  
RT: 8.360 min Scan# 931  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

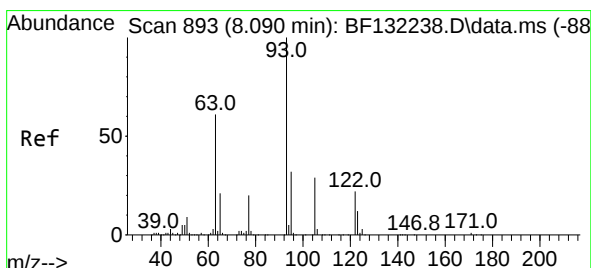
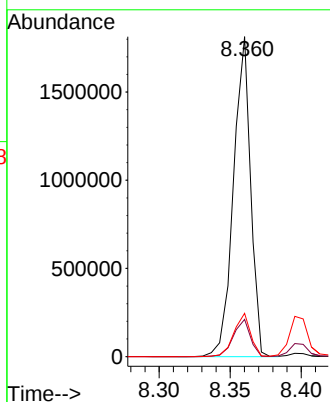
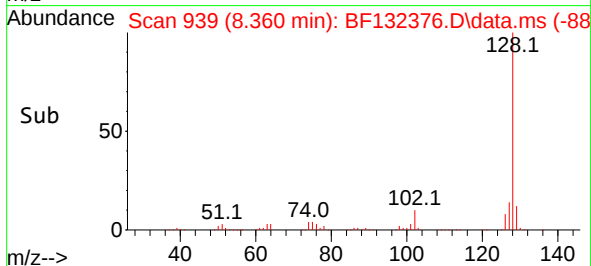
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:128 Resp: 1518701  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.4  
127 13.5 10.5 15.7

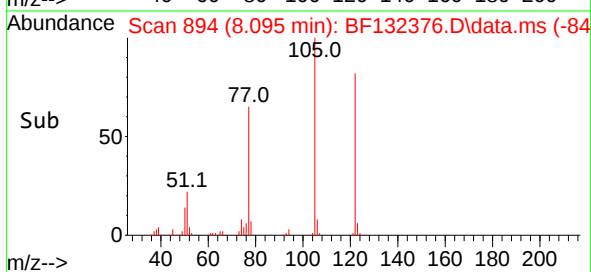
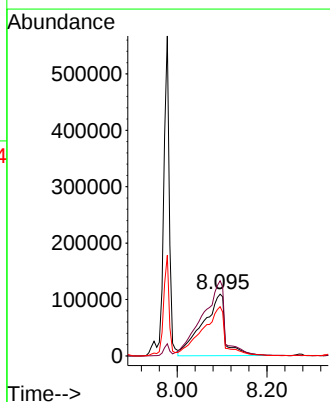
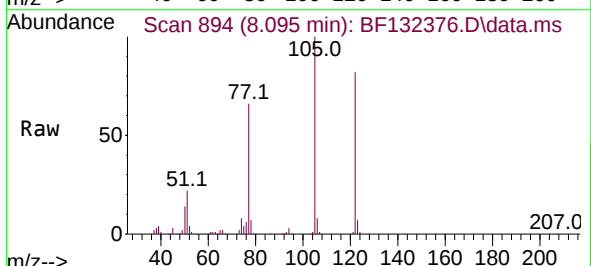
Manual Integrations  
APPROVED

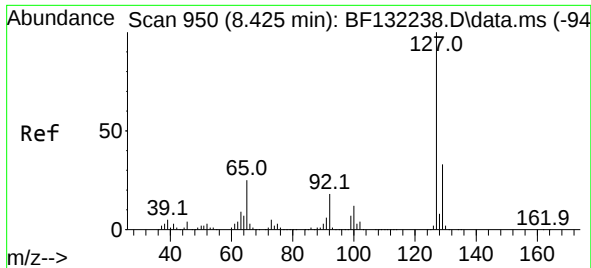
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#32  
Benzoic acid  
Concen: 45.785 ng  
RT: 8.095 min Scan# 894  
Delta R.T. 0.012 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion:122 Resp: 386603  
Ion Ratio Lower Upper  
122 100  
105 121.9 106.3 146.3  
77 79.9 70.6 110.6





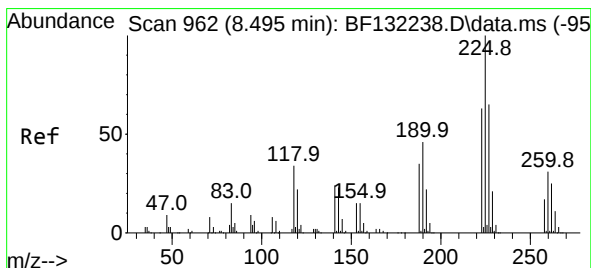
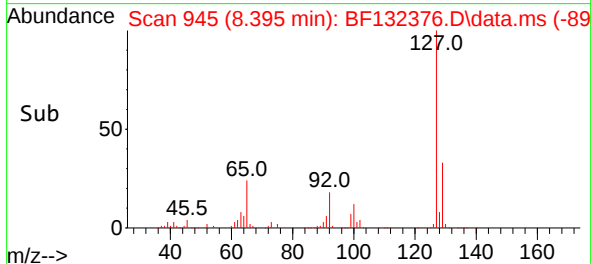
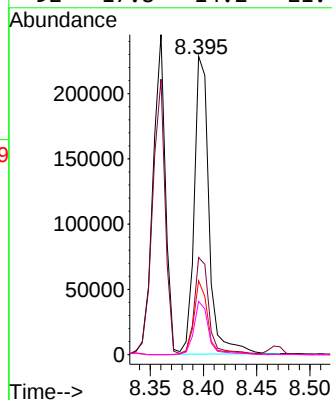
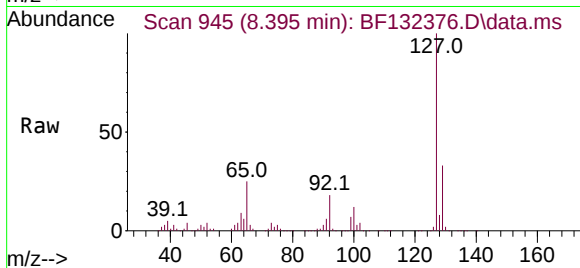
#33  
4-Chloroaniline  
Concen: 13.844 ng  
RT: 8.395 min Scan# 94  
Delta R.T. -0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 22022 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.5  | 26.6  | 39.8  |
| 65        | 24.7  | 20.2  | 30.2  |
| 92        | 17.8  | 14.2  | 21.4  |

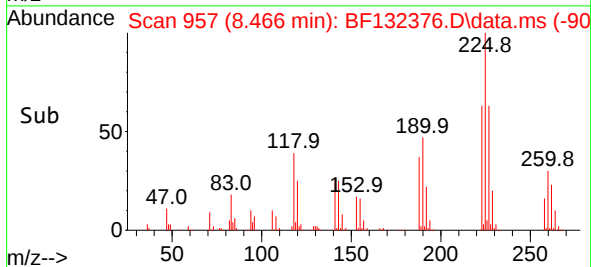
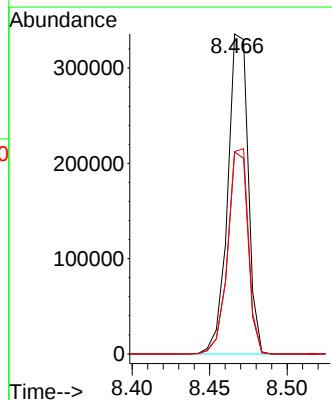
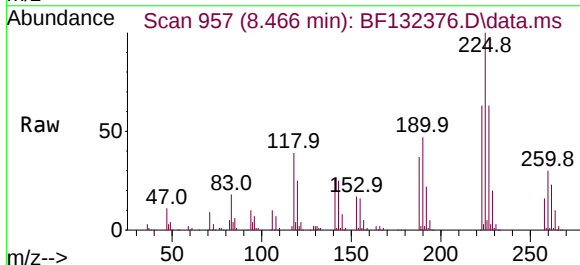
Manual Integrations  
APPROVED

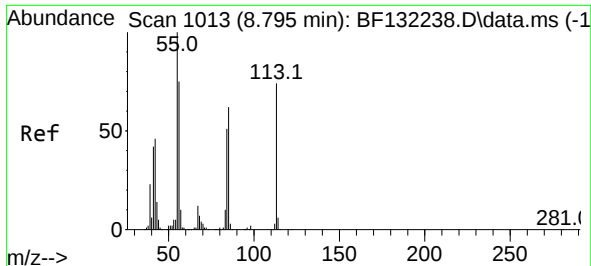
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#34  
Hexachlorobutadiene  
Concen: 50.906 ng  
RT: 8.466 min Scan# 957  
Delta R.T. -0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

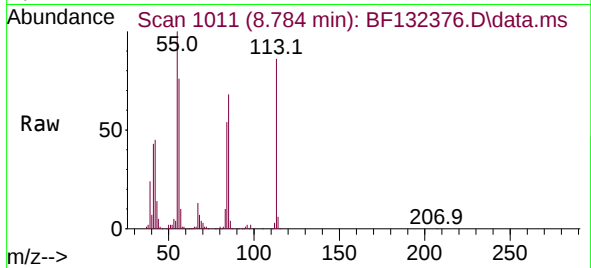
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 310376 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.1  | 50.6  | 75.8   |
| 227       | 63.2  | 51.7  | 77.5   |





#35  
Caprolactam  
Concen: 42.506 ng m  
RT: 8.784 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

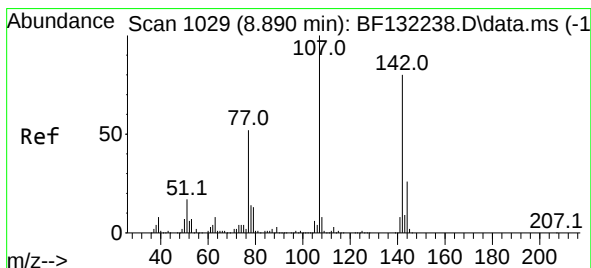
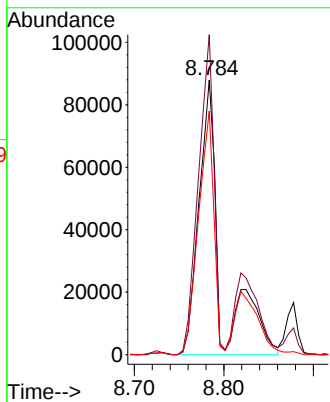
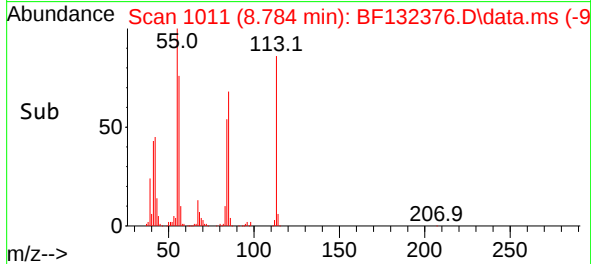
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:113 Resp: 146763  
Ion Ratio Lower Upper  
113 100  
55 116.5 114.7 154.7  
56 88.7 81.1 121.1

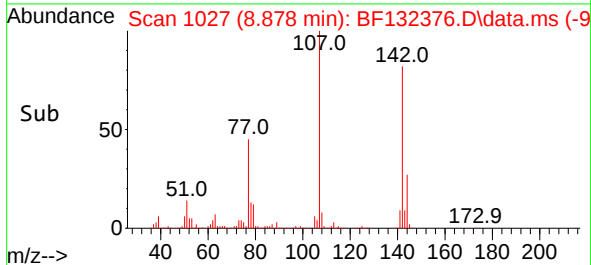
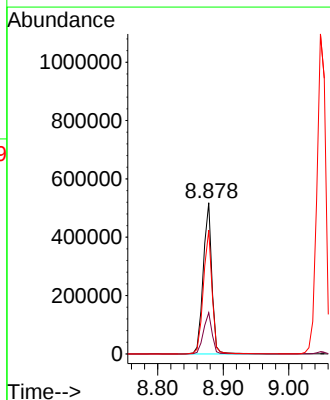
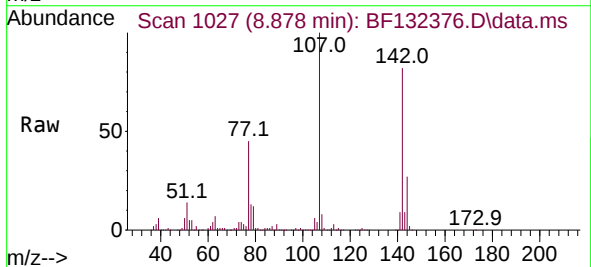
Manual Integrations  
APPROVED

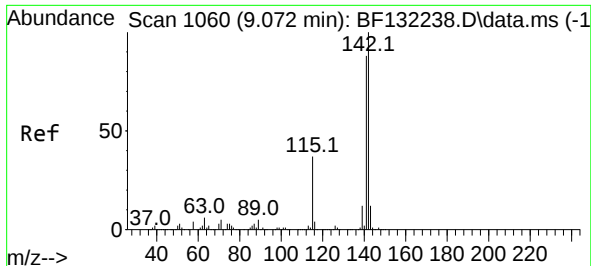
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#36  
4-Chloro-3-methylphenol  
Concen: 42.926 ng  
RT: 8.878 min Scan# 1027  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

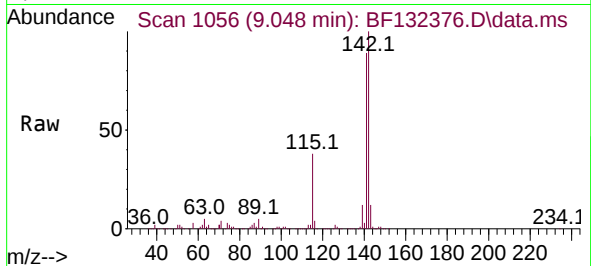
Tgt Ion:107 Resp: 468360  
Ion Ratio Lower Upper  
107 100  
144 27.3 20.5 30.7  
142 81.8 63.6 95.4





#37  
2-Methylnaphthalene  
Concen: 41.343 ng  
RT: 9.048 min Scan# 1056  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

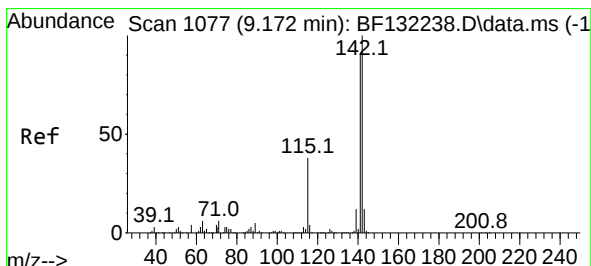
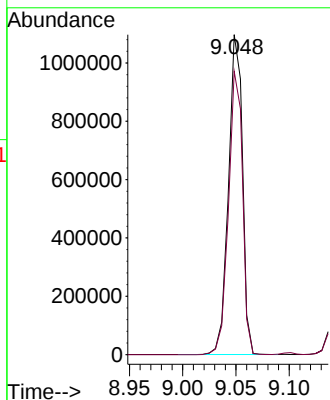
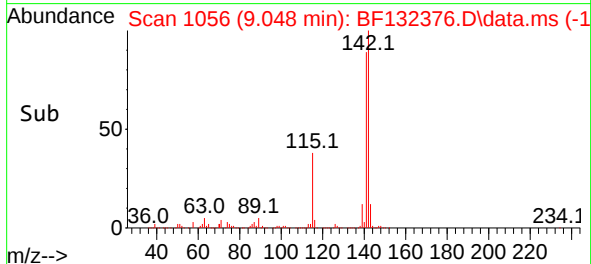
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:142 Resp: 1004611  
Ion Ratio Lower Upper  
142 100  
141 88.5 70.1 105.1

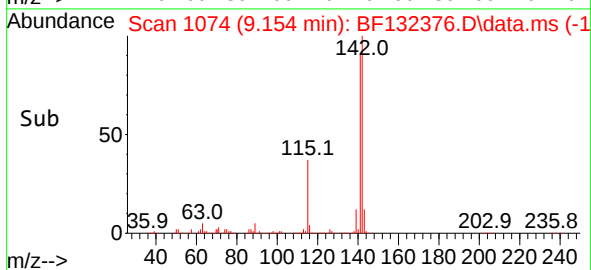
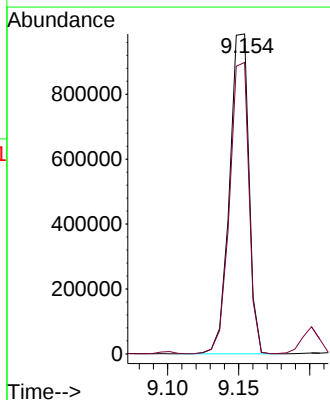
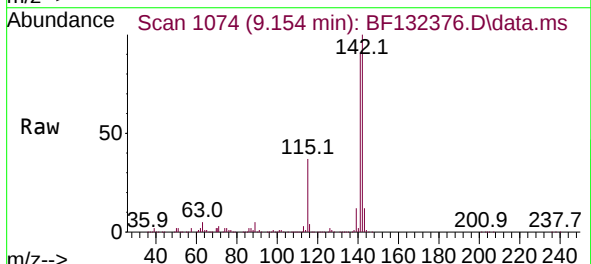
Manual Integrations  
APPROVED

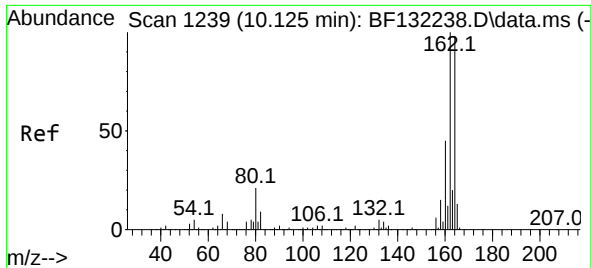
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#38  
1-Methylnaphthalene  
Concen: 41.452 ng  
RT: 9.154 min Scan# 1074  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

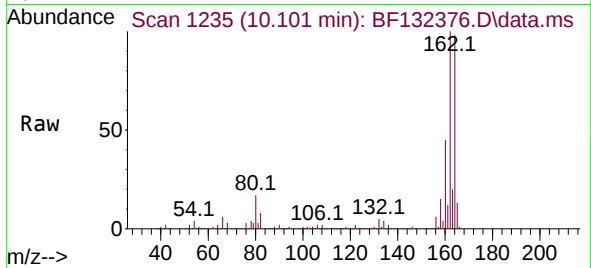
Tgt Ion:142 Resp: 936061  
Ion Ratio Lower Upper  
142 100  
141 91.1 72.6 108.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.101 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

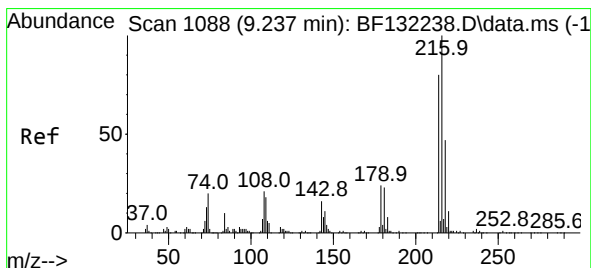
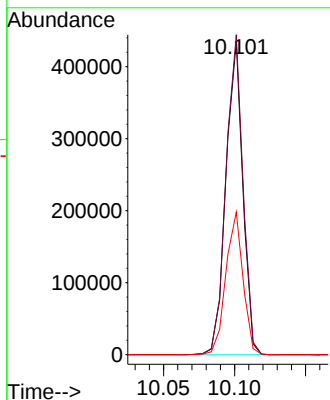
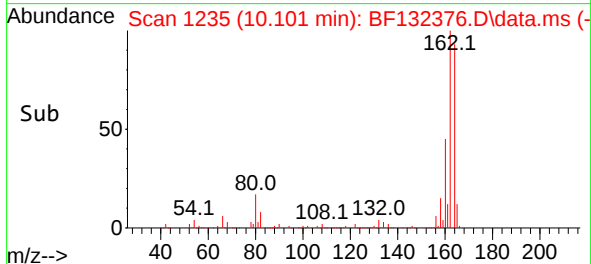
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



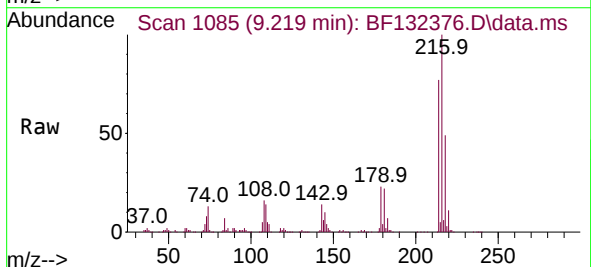
Tgt Ion:164 Resp: 358531  
Ion Ratio Lower Upper  
164 100  
162 102.2 82.0 123.0  
160 45.6 37.1 55.7

Manual Integrations  
APPROVED

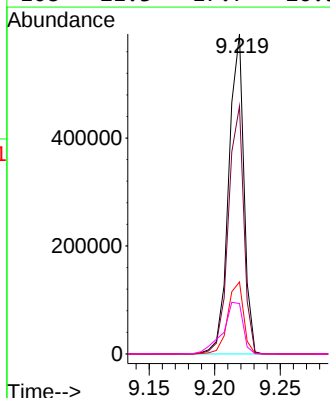
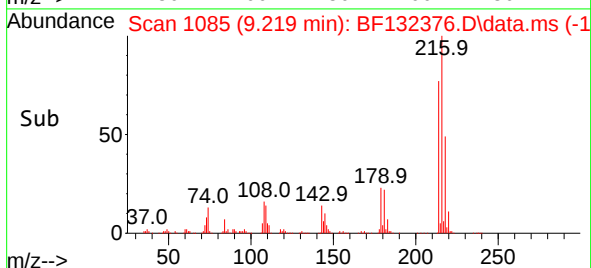
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

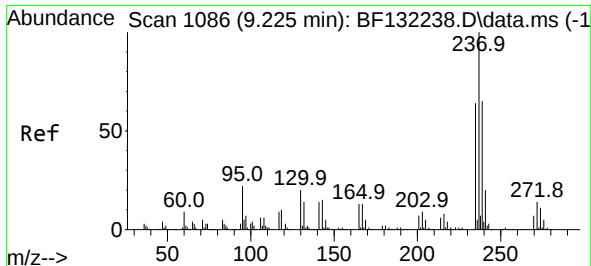


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 47.413 ng  
RT: 9.219 min Scan# 1085  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



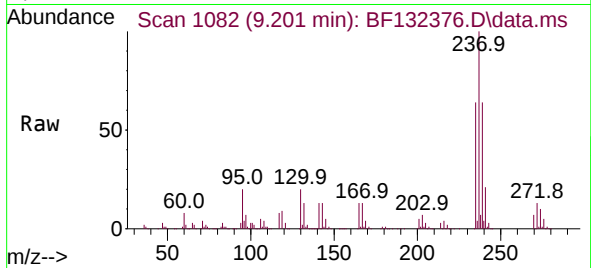
Tgt Ion:216 Resp: 478375  
Ion Ratio Lower Upper  
216 100  
214 78.5 63.6 95.4  
179 23.2 18.3 27.5  
108 21.3 17.7 26.5





#41  
Hexachlorocyclopentadiene  
Concen: 92.696 ng  
RT: 9.201 min Scan# 1082  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

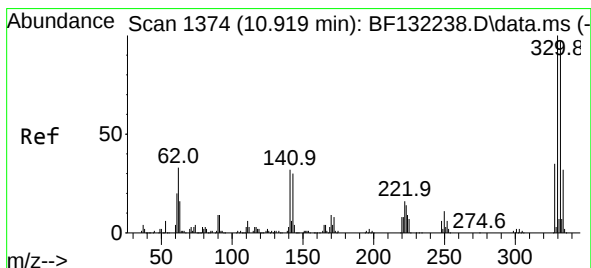
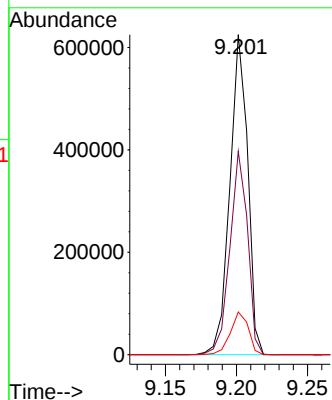
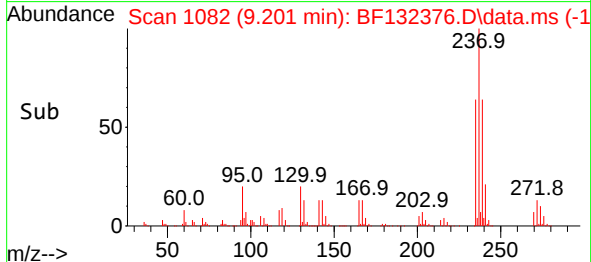
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



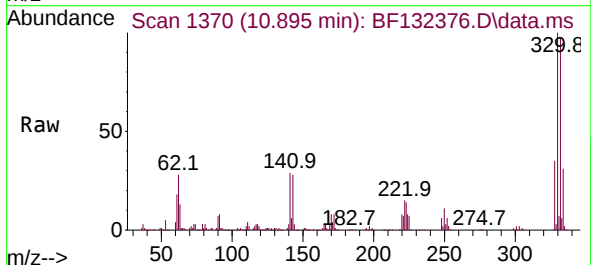
Tgt Ion: 237 Resp: 545654  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.5 83.5  
272 13.3 0.0 33.6

Manual Integrations  
APPROVED

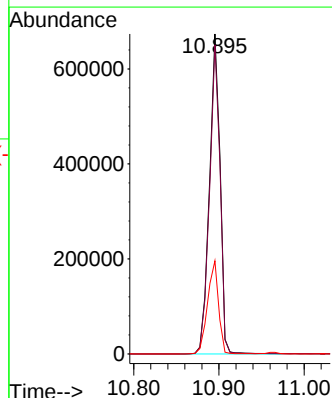
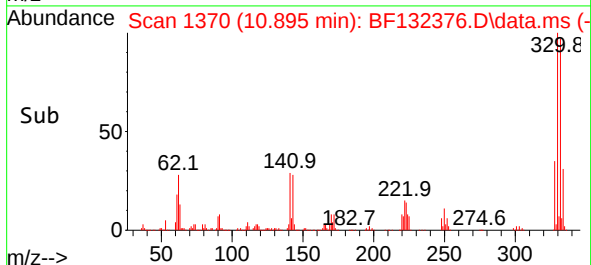
Reviewed By : Christian Giraldo 02/10/2023  
Supervised By : Jagrut Upadhyay 02/10/2023

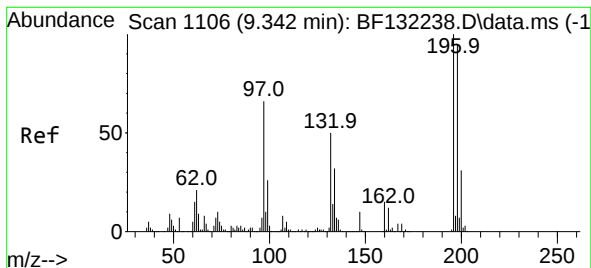


#42  
2,4,6-Tribromophenol  
Concen: 158.512 ng  
RT: 10.895 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



Tgt Ion: 330 Resp: 584432  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.9 116.9  
141 30.0 31.0 46.4





#43

2,4,6-Trichlorophenol

Concen: 47.218 ng

RT: 9.325 min Scan# 1103

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:196 Resp: 340548

Ion Ratio Lower Upper

196 100

198 95.7 75.9 113.9

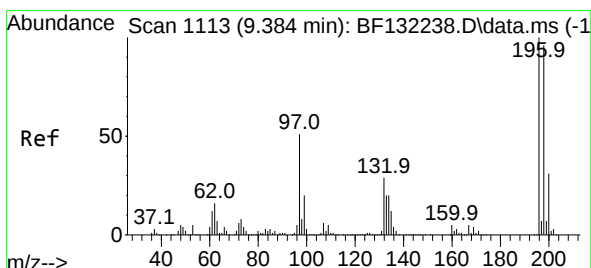
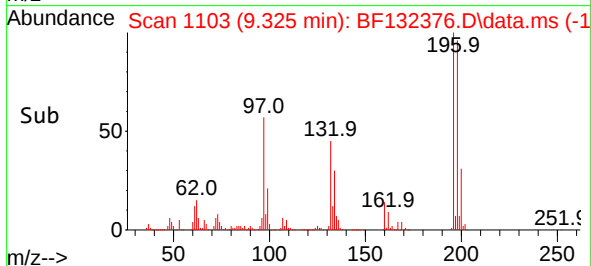
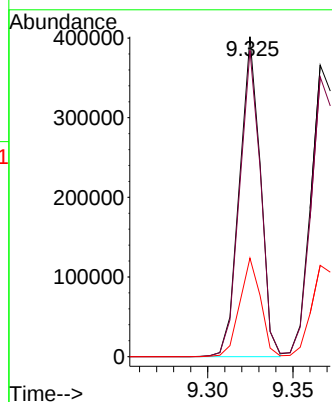
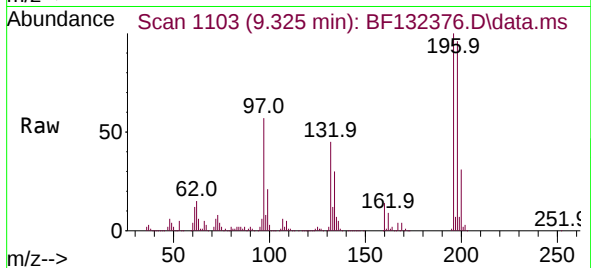
200 30.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#44

2,4,5-Trichlorophenol

Concen: 42.829 ng

RT: 9.366 min Scan# 1110

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Tgt Ion:196 Resp: 355534

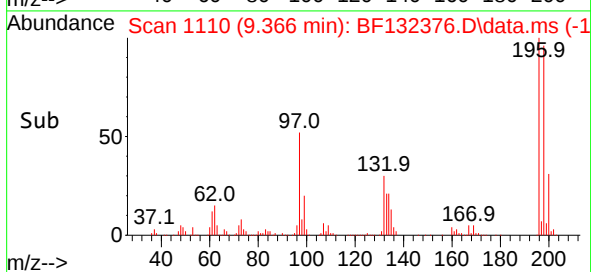
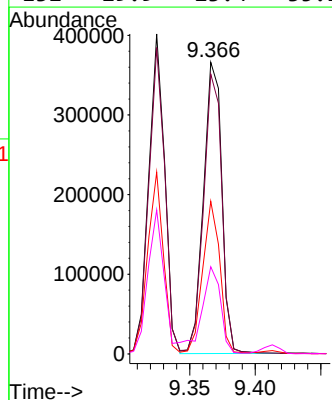
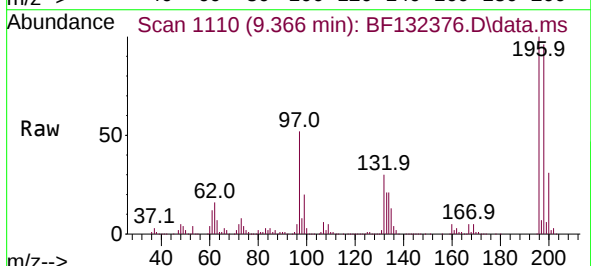
Ion Ratio Lower Upper

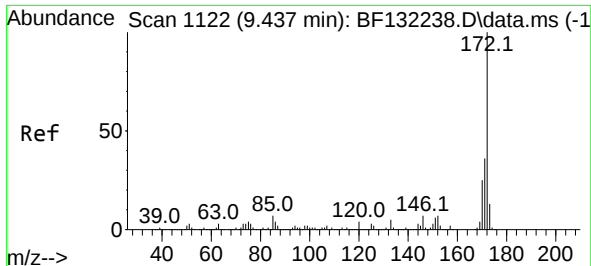
196 100

198 95.9 77.0 115.4

97 52.4 41.2 61.8

132 29.9 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 83.537 ng

RT: 9.413 min Scan# 1118

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:172 Resp: 1939492

Ion Ratio Lower Upper

172 100

171 35.9 28.6 43.0

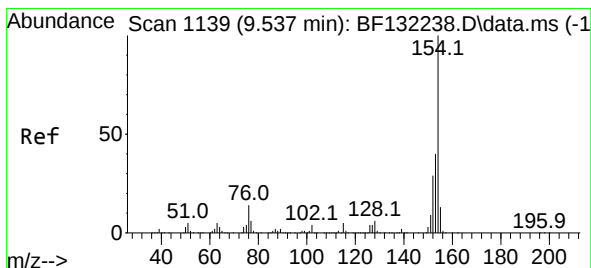
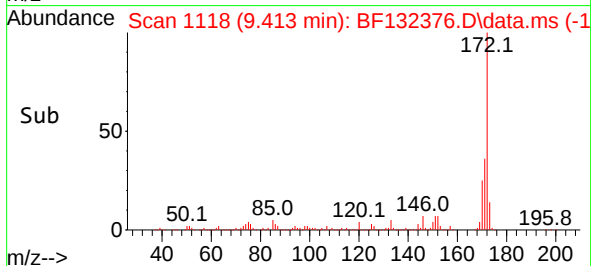
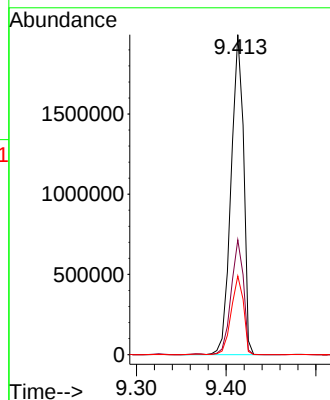
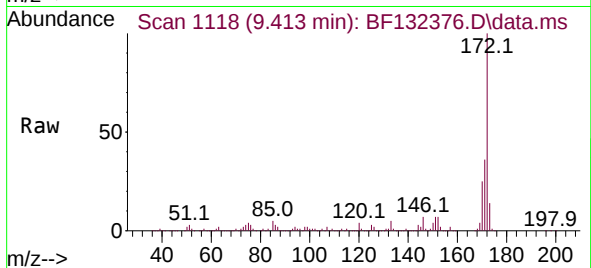
170 24.6 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#46

1,1'-Biphenyl

Concen: 43.842 ng

RT: 9.519 min Scan# 1136

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

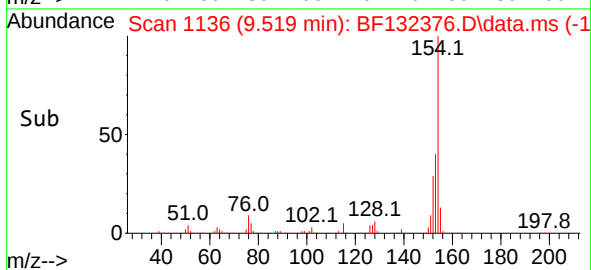
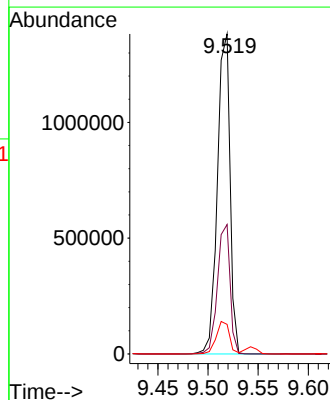
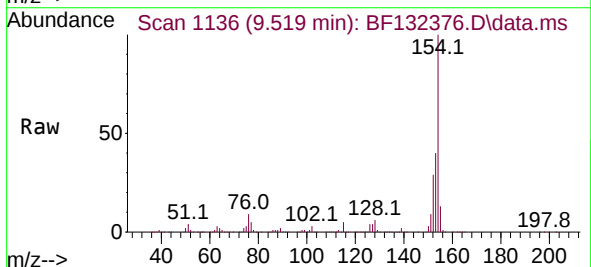
Tgt Ion:154 Resp: 1211839

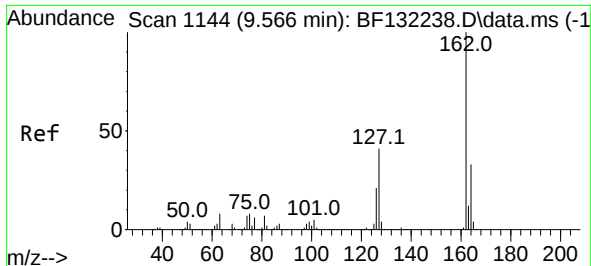
Ion Ratio Lower Upper

154 100

153 40.4 19.9 59.9

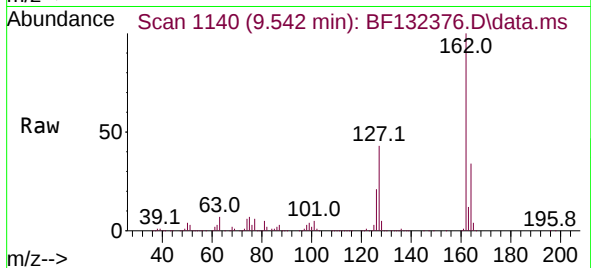
76 9.2 0.0 34.0





#47  
2-Chloronaphthalene  
Concen: 44.605 ng  
RT: 9.542 min Scan# 1144  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

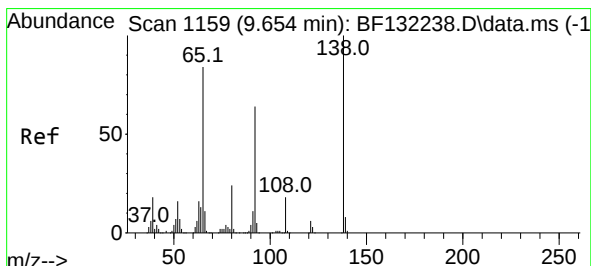
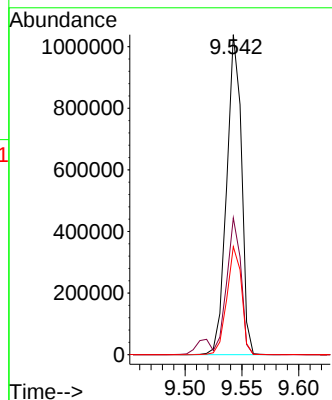
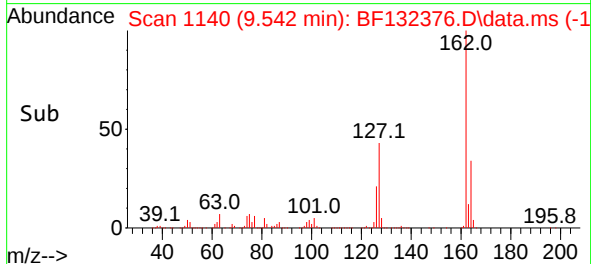
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:162 Resp: 939048  
Ion Ratio Lower Upper  
162 100  
127 42.7 33.3 49.9  
164 33.7 26.8 40.2

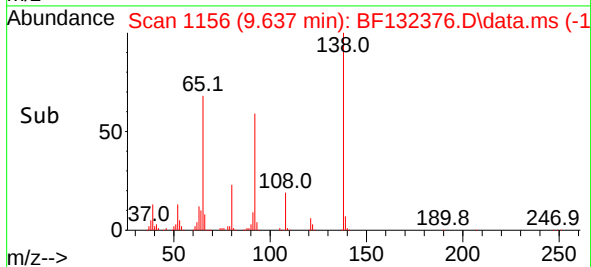
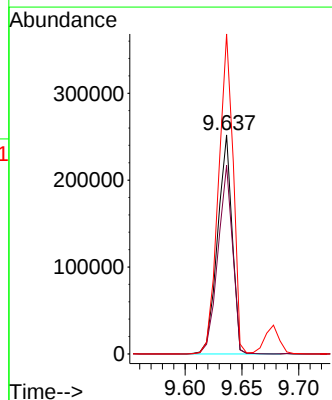
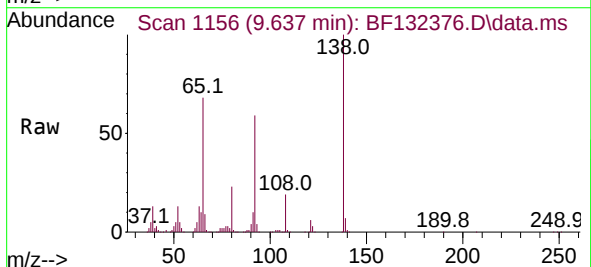
Manual Integrations  
APPROVED

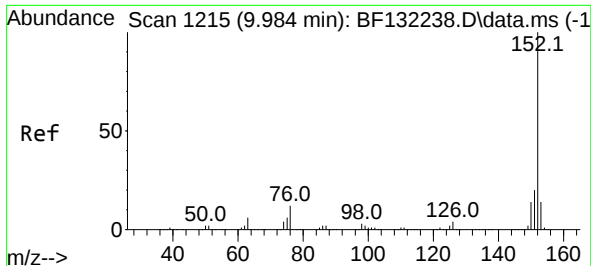
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#48  
2-Nitroaniline  
Concen: 35.864 ng  
RT: 9.637 min Scan# 1156  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion: 65 Resp: 224550  
Ion Ratio Lower Upper  
65 100  
92 86.1 61.0 91.4  
138 146.2 95.0 142.4#





#49

Acenaphthylene

Concen: 41.736 ng

RT: 9.966 min Scan# 1186

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:152 Resp: 1434012

Ion Ratio Lower Upper

152 100

151 20.4 15.9 23.9

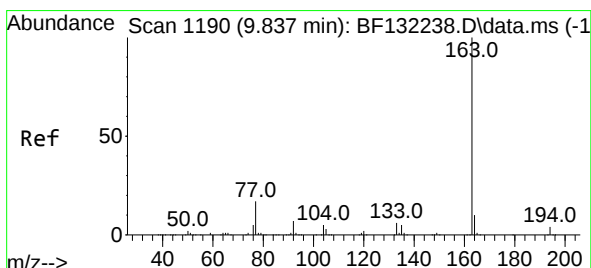
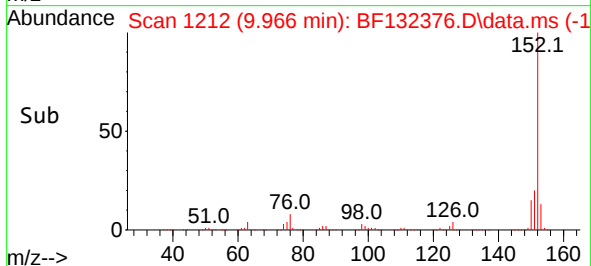
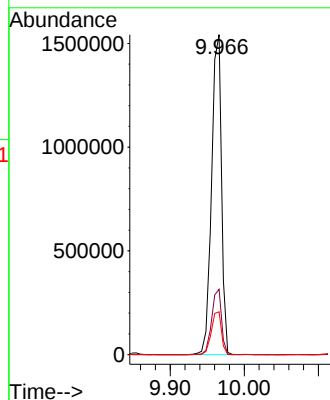
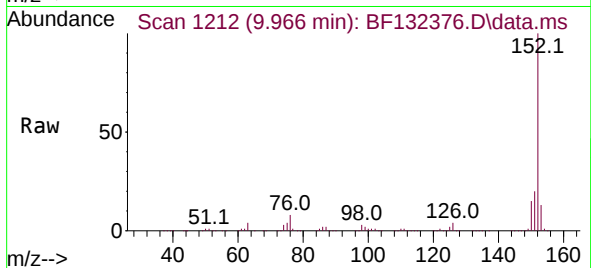
153 13.4 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#50

Dimethylphthalate

Concen: 43.627 ng

RT: 9.813 min Scan# 1186

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

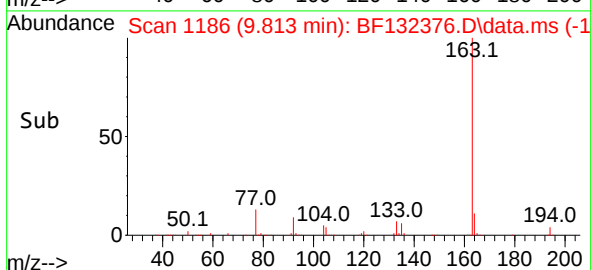
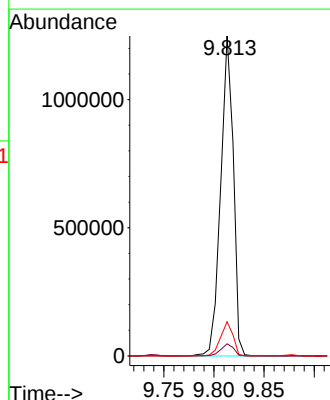
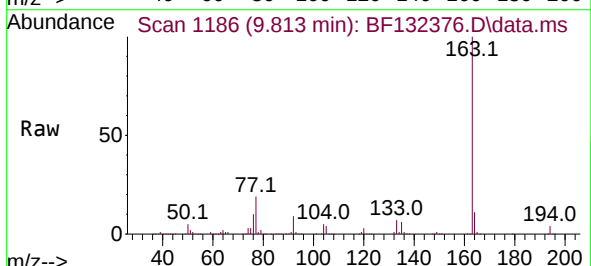
Tgt Ion:163 Resp: 1094149

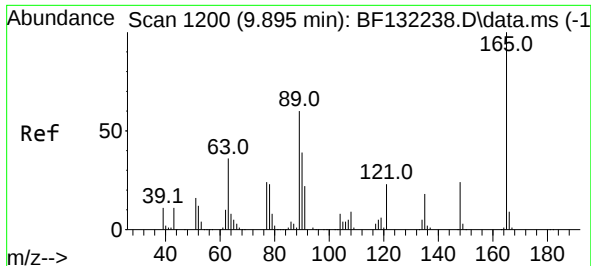
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

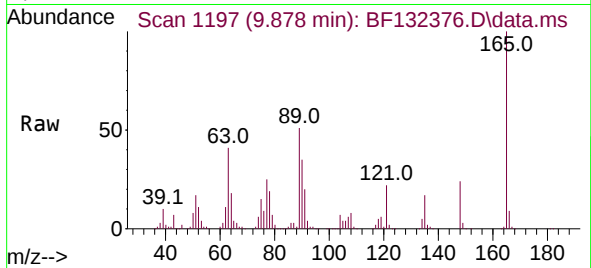
164 10.7 7.9 11.9





#51  
2,6-Dinitrotoluene  
Concen: 45.289 ng  
RT: 9.878 min Scan# 1197  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

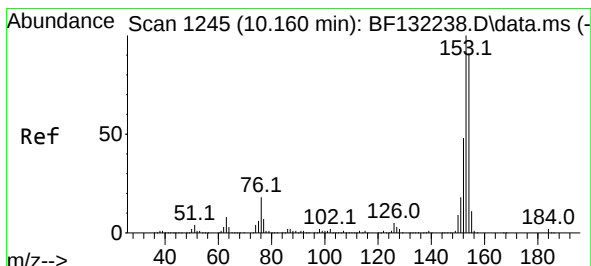
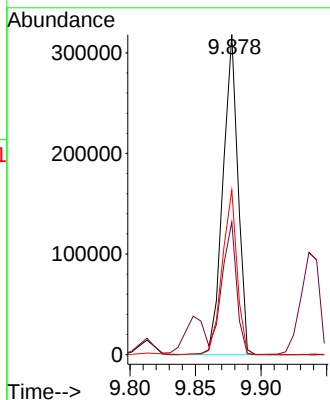
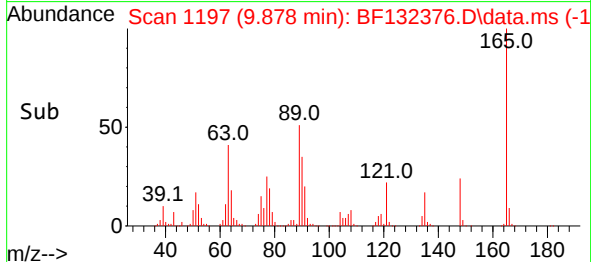
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



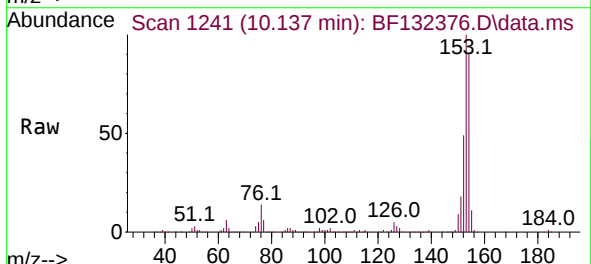
Tgt Ion:165 Resp: 253674  
Ion Ratio Lower Upper  
165 100  
63 41.4 41.5 62.3  
89 51.4 48.1 72.1

Manual Integrations  
APPROVED

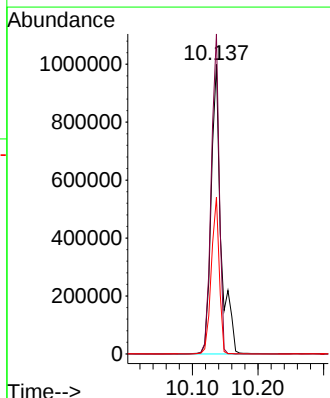
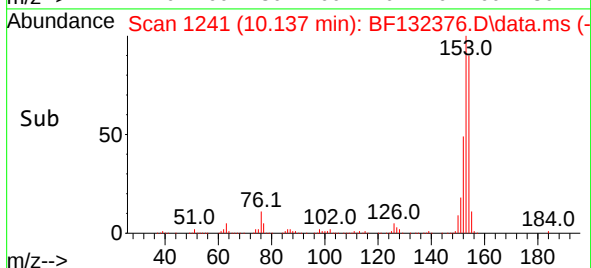
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

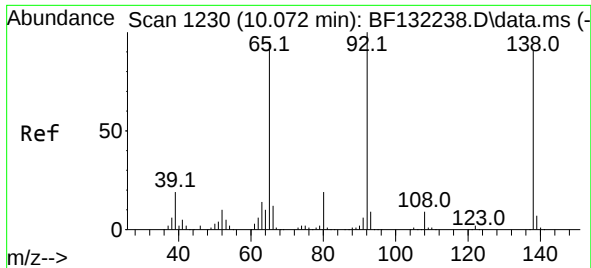


#52  
Acenaphthene  
Concen: 48.395 ng  
RT: 10.137 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



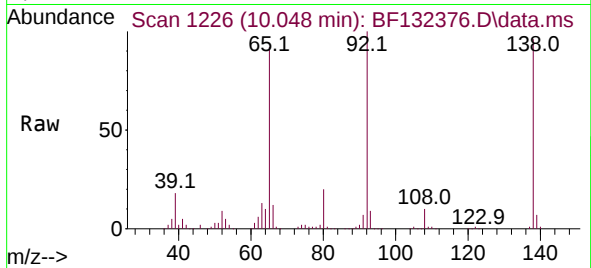
Tgt Ion:154 Resp: 1041026  
Ion Ratio Lower Upper  
154 100  
153 110.6 88.3 132.5  
152 54.1 42.7 64.1





#53  
3-Nitroaniline  
Concen: 26.559 ng  
RT: 10.048 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

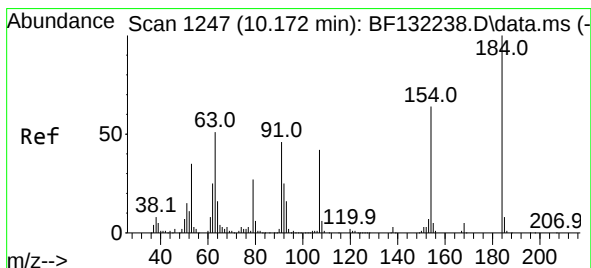
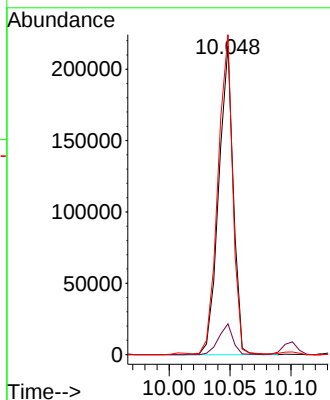
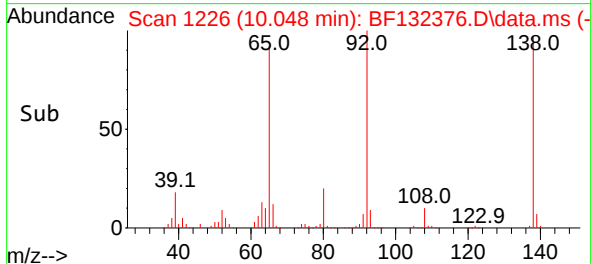
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



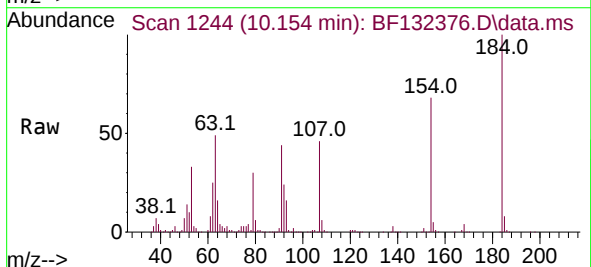
Tgt Ion:138 Resp: 180405  
Ion Ratio Lower Upper  
138 100  
108 10.0 7.6 11.4  
92 103.7 88.3 132.5

Manual Integrations  
APPROVED

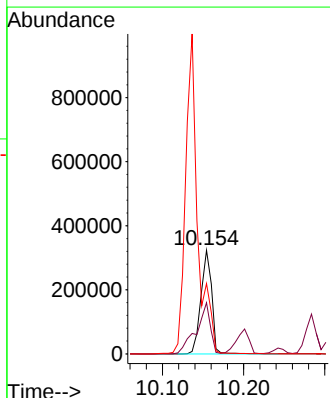
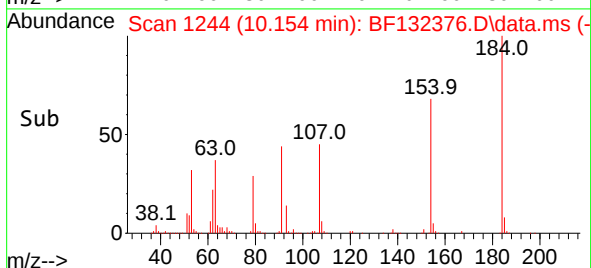
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

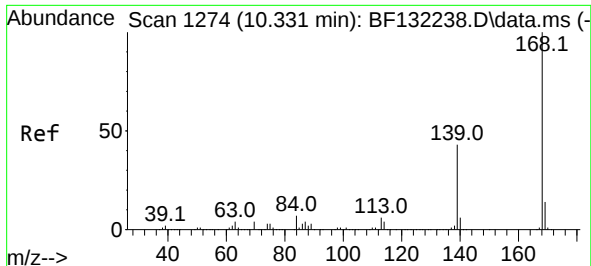


#54  
2,4-Dinitrophenol  
Concen: 91.245 ng  
RT: 10.154 min Scan# 1244  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



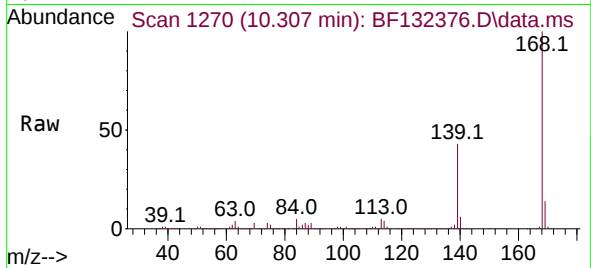
Tgt Ion:184 Resp: 298344  
Ion Ratio Lower Upper  
184 100  
63 49.3 41.6 62.4  
154 67.8 57.0 85.6





#55  
Dibenzenofuran  
Concen: 42.176 ng  
RT: 10.307 min Scan# 1270  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

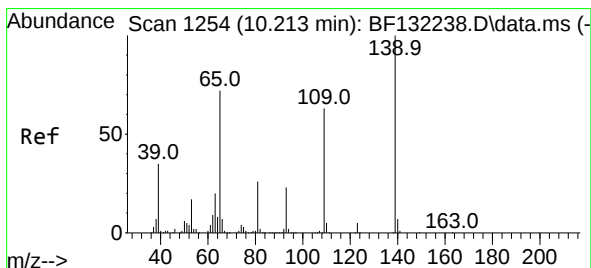
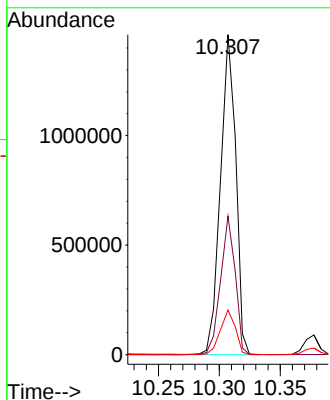
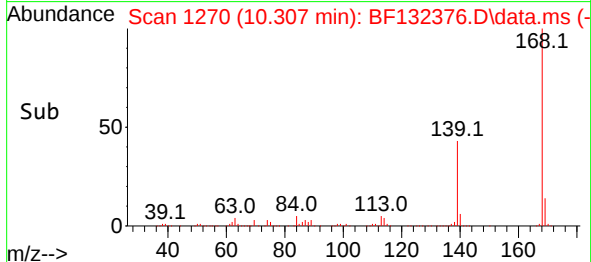
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



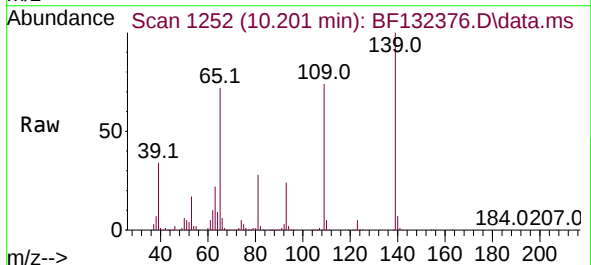
Tgt Ion:168 Resp: 1274703  
Ion Ratio Lower Upper  
168 100  
139 43.3 34.2 51.4  
169 14.0 11.2 16.8

Manual Integrations  
APPROVED

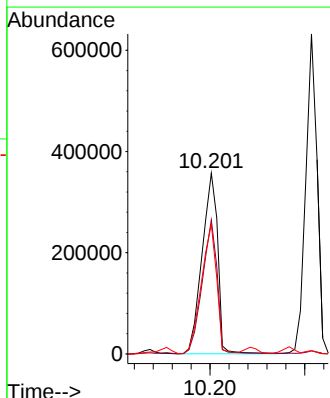
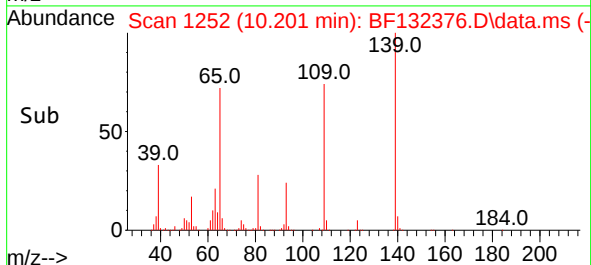
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

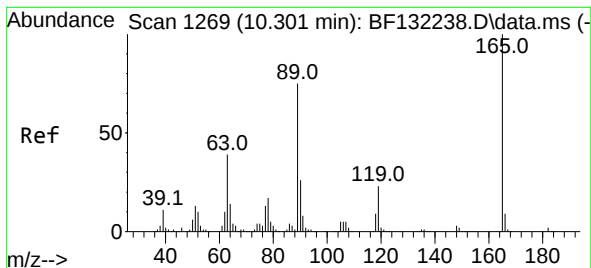


#56  
4-Nitrophenol  
Concen: 80.126 ng  
RT: 10.201 min Scan# 1252  
Delta R.T. 0.012 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



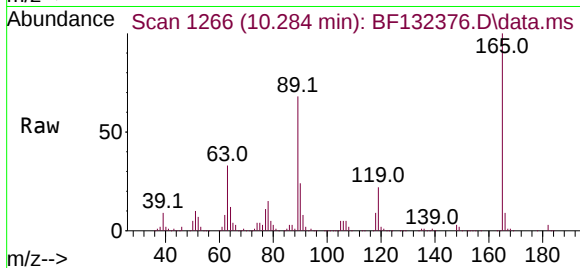
Tgt Ion:139 Resp: 409559  
Ion Ratio Lower Upper  
139 100  
109 74.1 43.3 83.3  
65 71.7 52.3 92.3





#57  
2,4-Dinitrotoluene  
Concen: 45.542 ng  
RT: 10.284 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

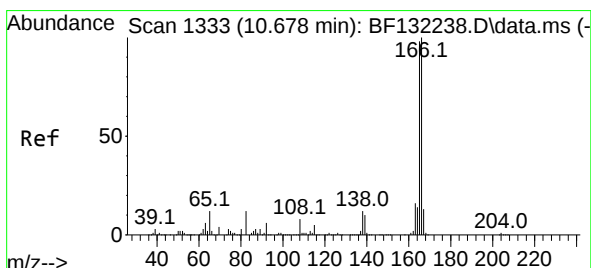
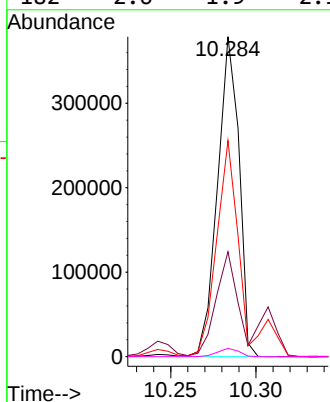
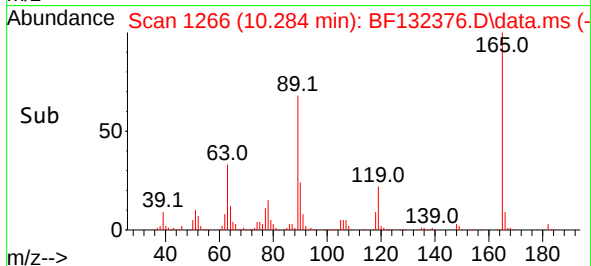
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:165 Resp: 331362  
Ion Ratio Lower Upper  
165 100  
63 32.8 30.9 46.3  
89 67.5 60.1 90.1  
182 2.6 1.9 2.9

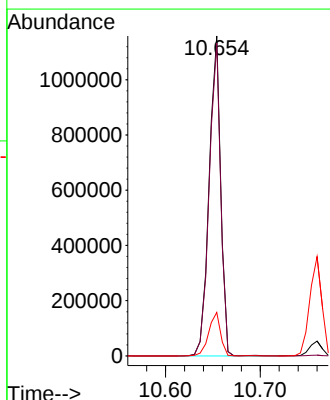
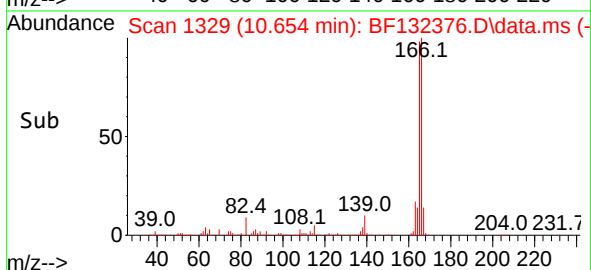
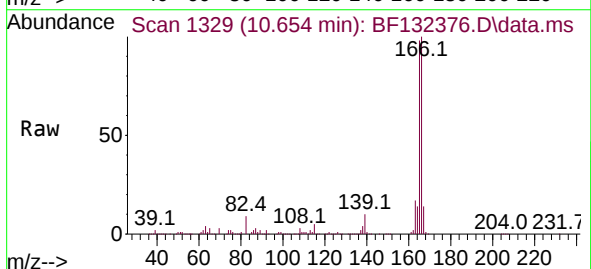
Manual Integrations  
APPROVED

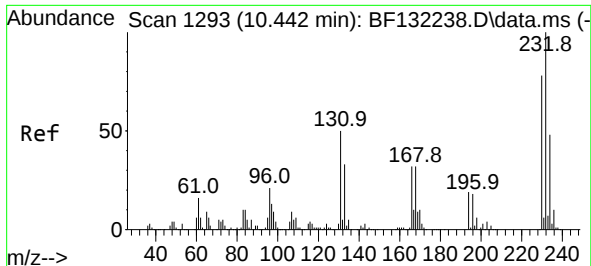
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#58  
Fluorene  
Concen: 42.360 ng  
RT: 10.654 min Scan# 1329  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

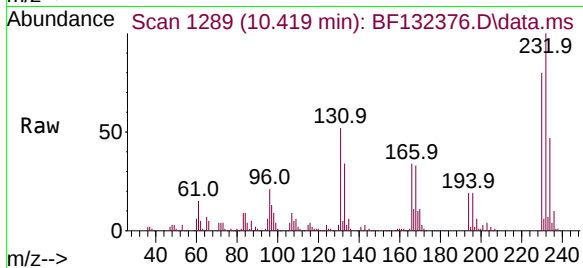
Tgt Ion:166 Resp: 985311  
Ion Ratio Lower Upper  
166 100  
165 97.7 78.0 117.0  
167 13.6 10.8 16.2





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 47.452 ng  
RT: 10.419 min Scan# 1289  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

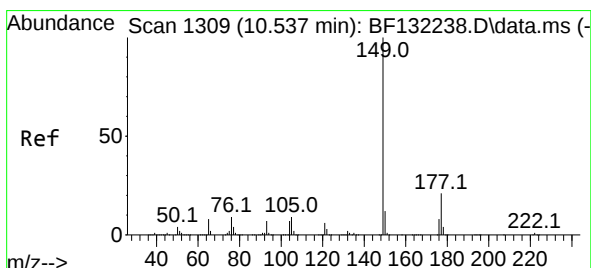
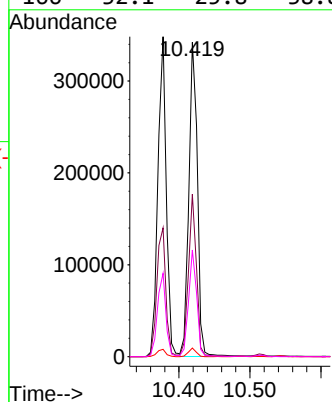
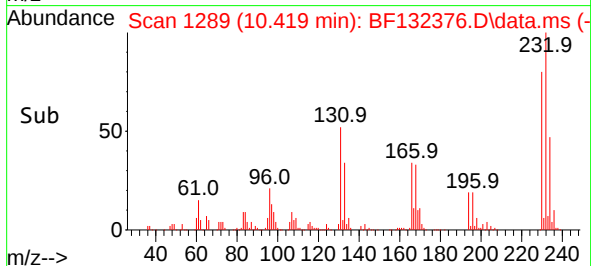
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



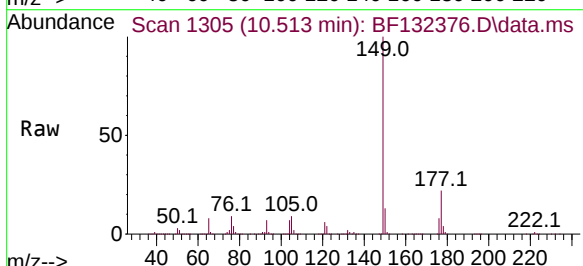
Tgt Ion:232 Resp: 287166  
Ion Ratio Lower Upper  
232 100  
131 48.1 40.6 61.0  
130 2.4 1.9 2.9  
166 32.1 25.8 38.8

Manual Integrations  
APPROVED

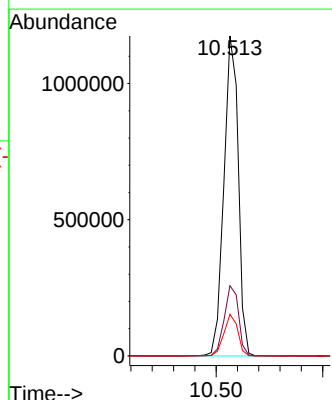
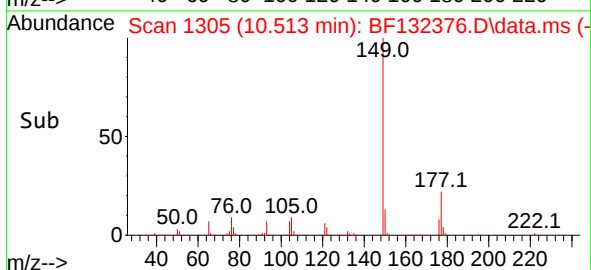
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

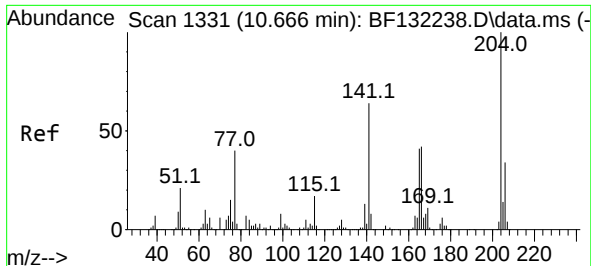


#60  
Diethylphthalate  
Concen: 44.221 ng  
RT: 10.513 min Scan# 1305  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



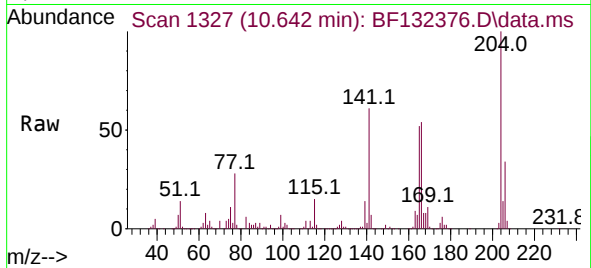
Tgt Ion:149 Resp: 1103288  
Ion Ratio Lower Upper  
149 100  
177 21.9 17.1 25.7  
150 13.0 9.9 14.9





#61  
4-Chlorophenyl-phenylether  
Concen: 44.454 ng  
RT: 10.642 min Scan# 1327  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

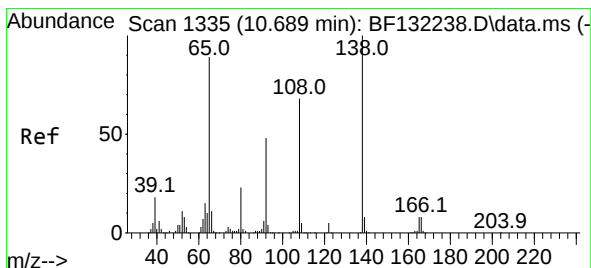
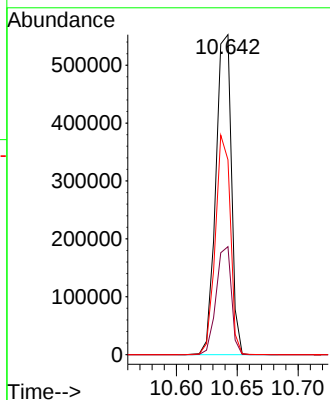
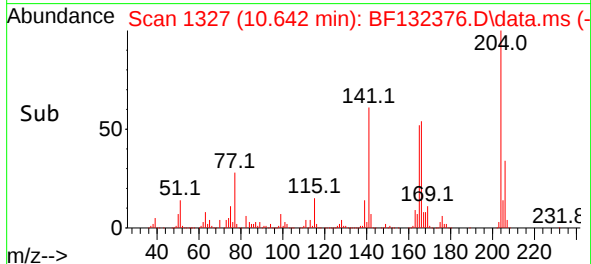
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



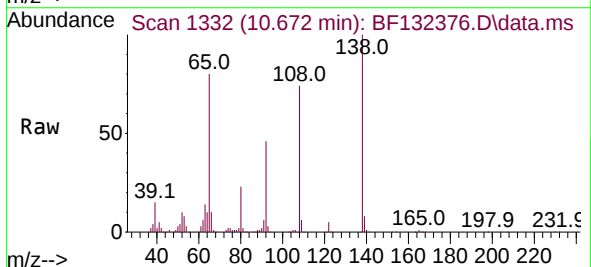
Tgt Ion:204 Resp: 490718  
Ion Ratio Lower Upper  
204 100  
206 33.7 26.8 40.2  
141 60.9 51.4 77.0

Manual Integrations  
APPROVED

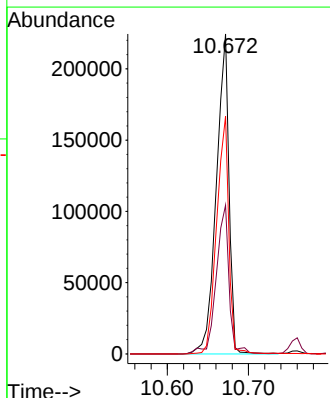
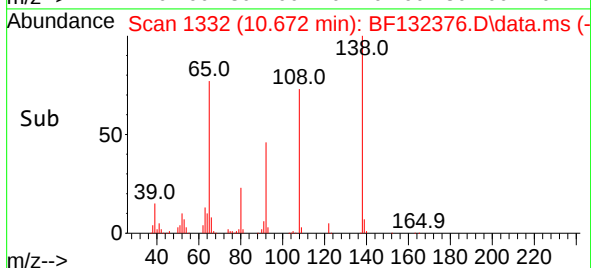
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

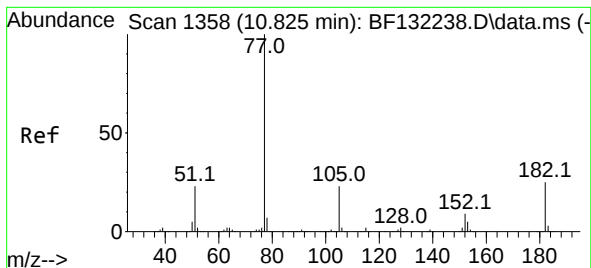


#62  
4-Nitroaniline  
Concen: 37.277 ng  
RT: 10.672 min Scan# 1332  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



Tgt Ion:138 Resp: 242810  
Ion Ratio Lower Upper  
138 100  
92 46.5 27.7 67.7  
108 74.3 48.5 88.5





#63

Azobenzene

Concen: 36.286 ng

RT: 10.801 min Scan# 1354

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion: 77 Resp: 881825

Ion Ratio Lower Upper

77 100

182 30.7 4.5 44.5

105 25.1 2.7 42.7

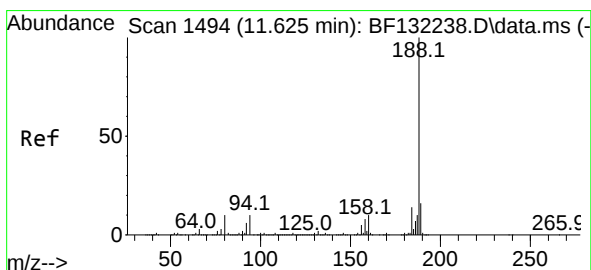
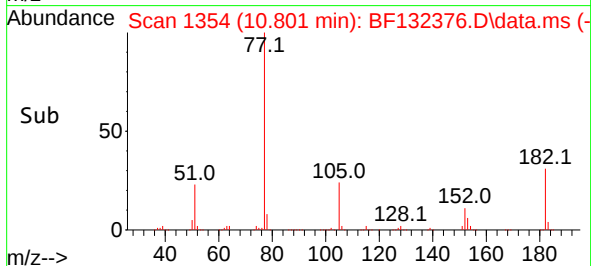
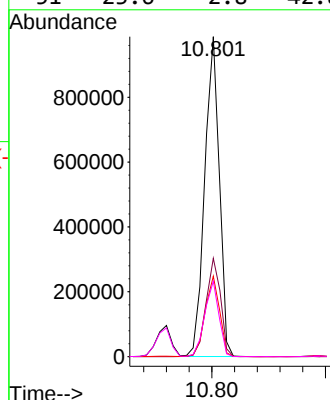
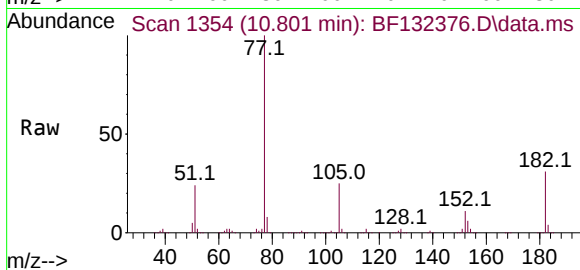
51 23.6 2.8 42.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.595 min Scan# 1489

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

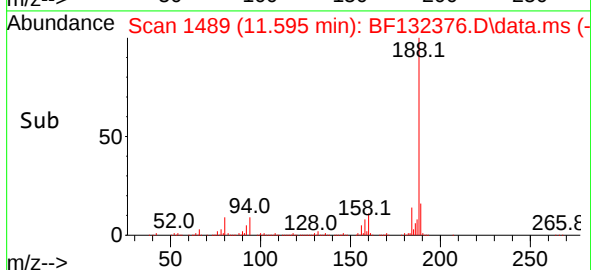
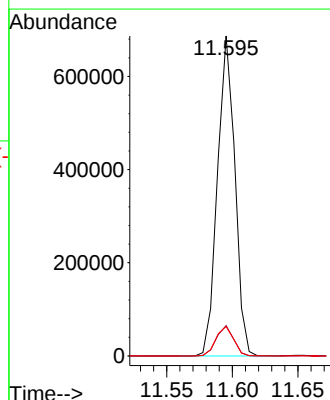
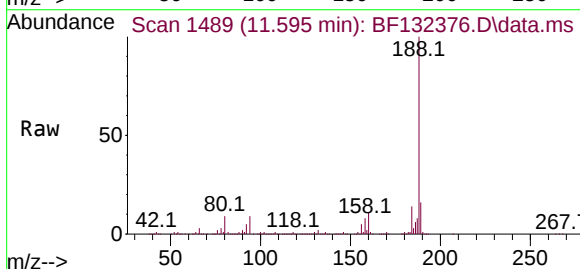
Tgt Ion:188 Resp: 635666

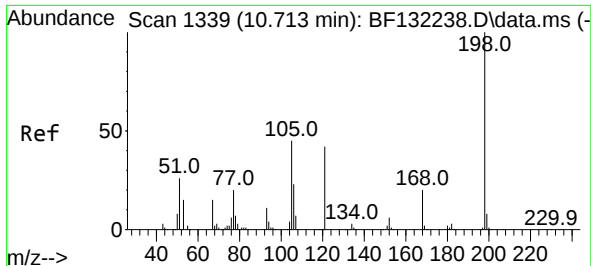
Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

80 9.2 8.3 12.5





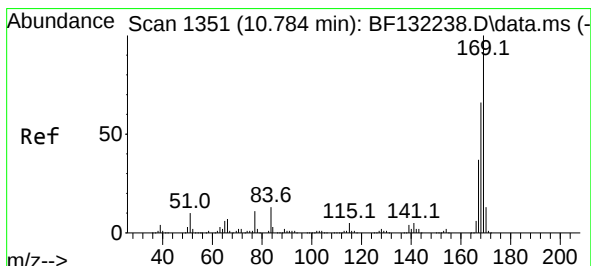
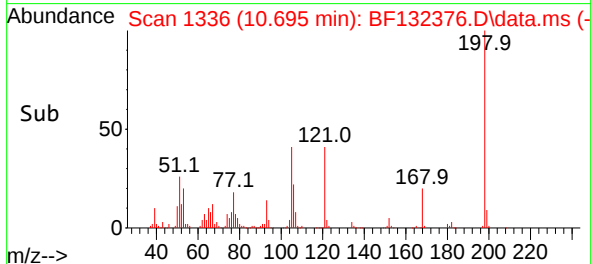
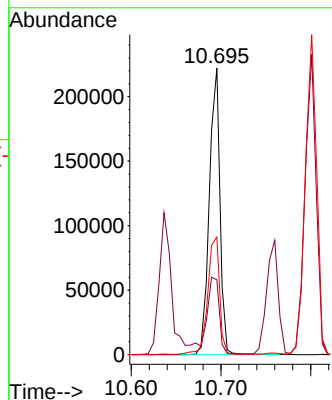
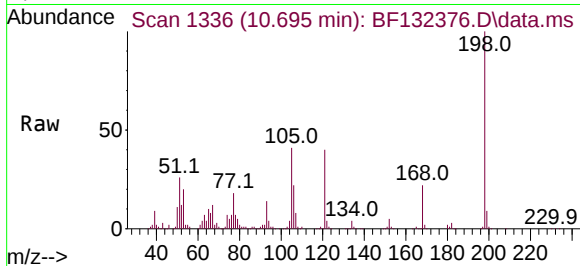
#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.806 ng  
RT: 10.695 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

Tgt Ion:198 Resp: 183297  
Ion Ratio Lower Upper  
198 100  
51 26.1 13.1 53.1  
105 41.0 26.0 66.0

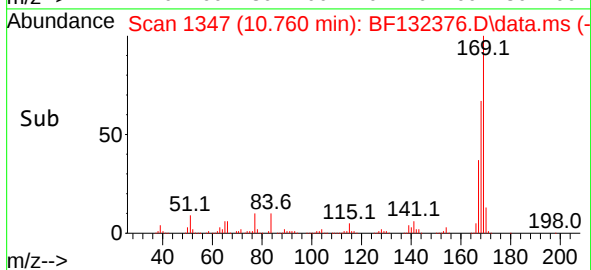
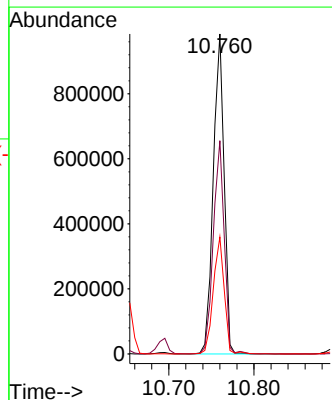
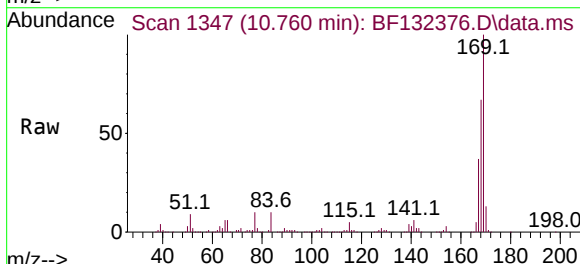
Manual Integrations  
APPROVED

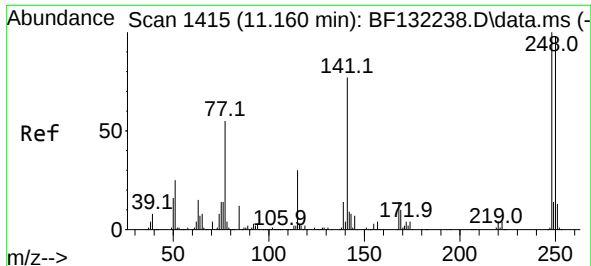
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#66  
n-Nitrosodiphenylamine  
Concen: 43.667 ng  
RT: 10.760 min Scan# 1347  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

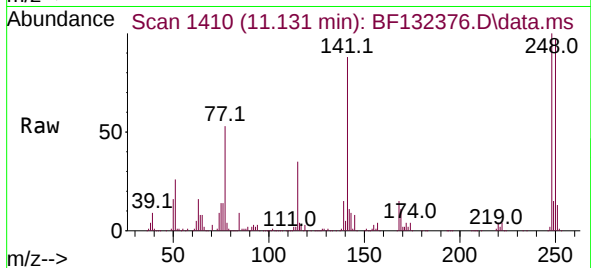
Tgt Ion:169 Resp: 869194  
Ion Ratio Lower Upper  
169 100  
168 66.6 52.6 79.0  
167 36.5 29.5 44.3





#67  
4-Bromophenyl-phenylether  
Concen: 48.027 ng  
RT: 11.131 min Scan# 1415  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

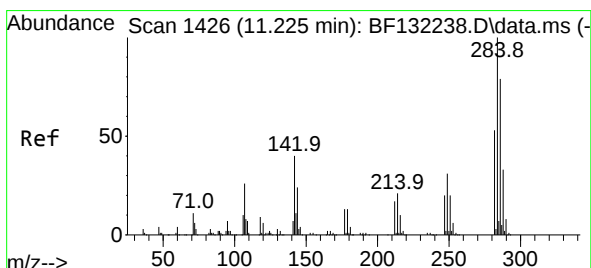
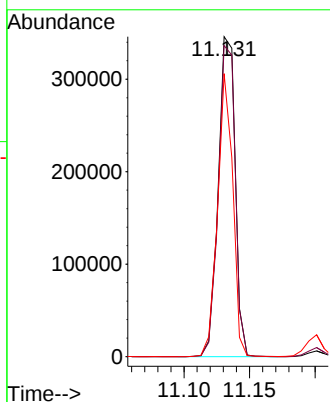
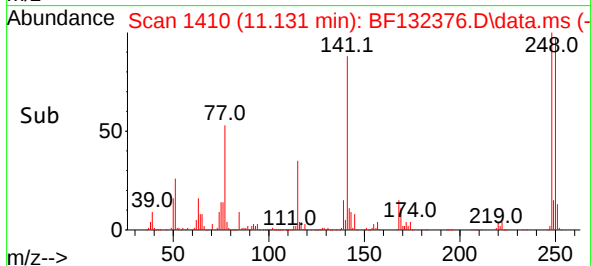
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:248 Resp: 312615  
Ion Ratio Lower Upper  
248 100  
250 97.2 78.6 117.8  
141 88.4 61.6 92.4

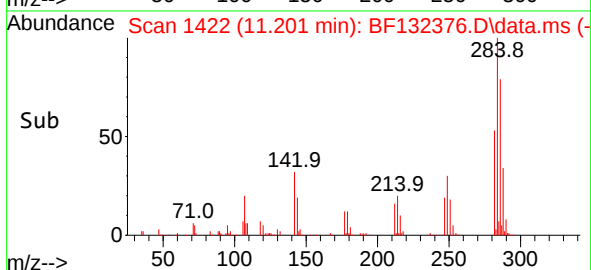
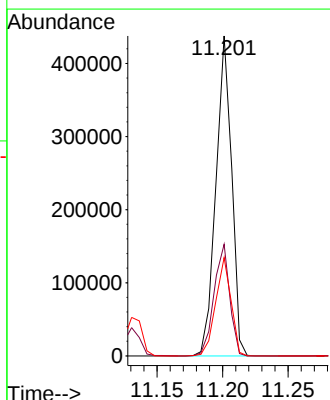
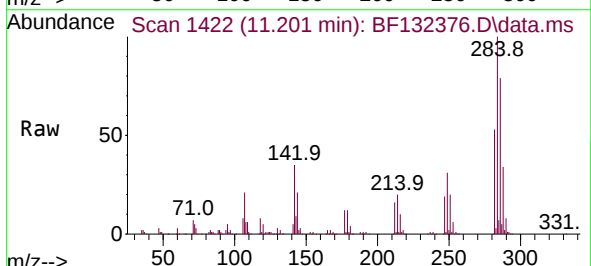
Manual Integrations  
APPROVED

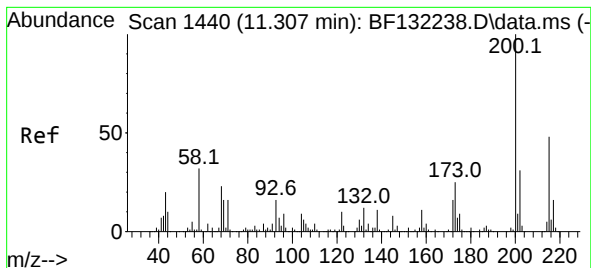
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#68  
Hexachlorobenzene  
Concen: 52.546 ng  
RT: 11.201 min Scan# 1422  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Tgt Ion:284 Resp: 365578  
Ion Ratio Lower Upper  
284 100  
142 34.9 32.2 48.4  
249 30.7 25.0 37.6





#69

Atrazine

Concen: 51.927 ng

RT: 11.283 min Scan# 1436

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

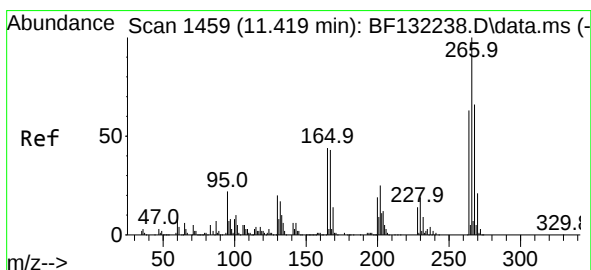
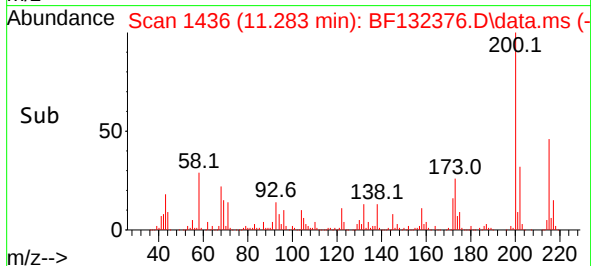
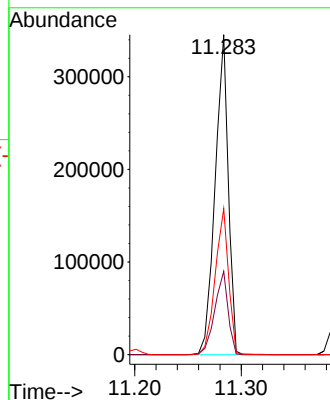
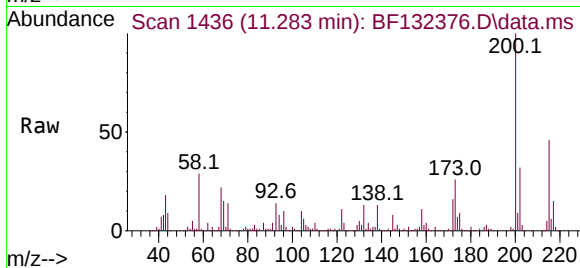
PB150732BSD

Tgt Ion:200 Resp: 297298  
 Ion Ratio Lower Upper  
 200 100  
 173 26.1 5.1 45.1  
 215 45.6 27.6 67.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023  
 Supervised By :Jagrut Upadhyay 02/10/2023



#70

Pentachlorophenol

Concen: 83.761 ng

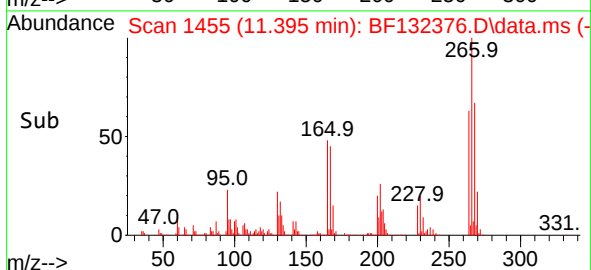
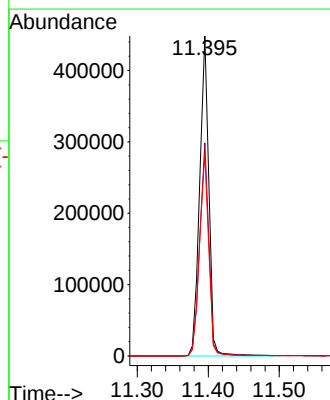
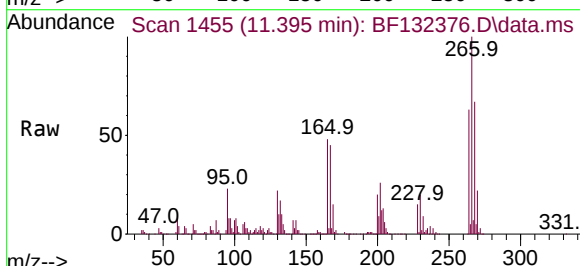
RT: 11.395 min Scan# 1455

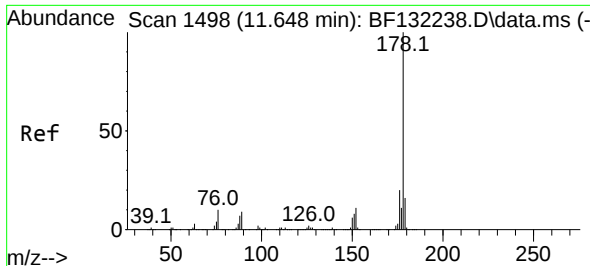
Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Tgt Ion:266 Resp: 400400  
 Ion Ratio Lower Upper  
 266 100  
 268 66.6 53.0 79.4  
 264 63.2 50.5 75.7





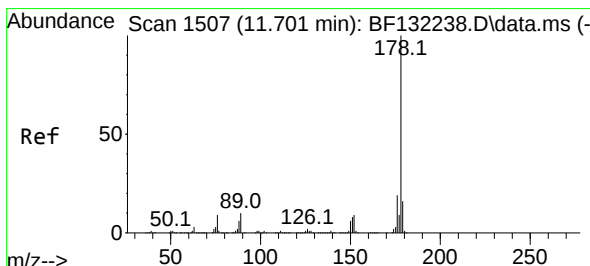
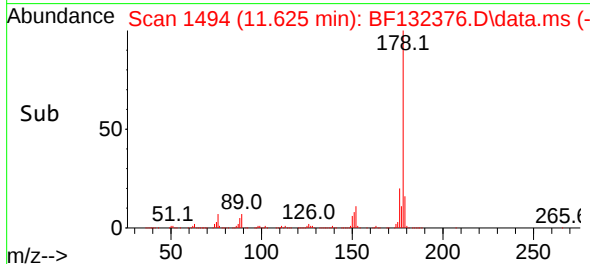
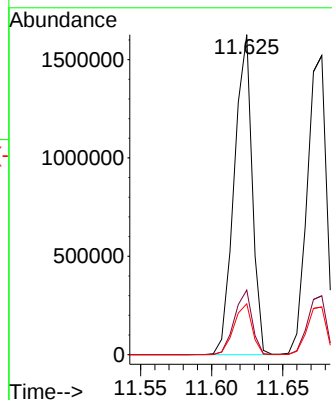
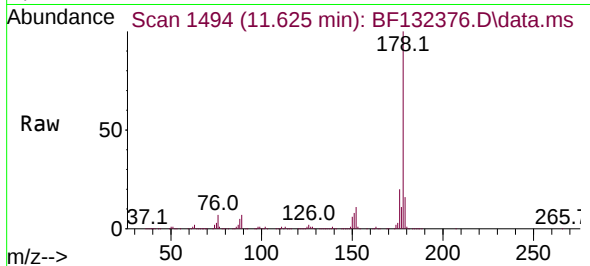
#71  
Phenanthrene  
Concen: 42.947 ng  
RT: 11.625 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD

Tgt Ion:178 Resp: 1426588  
Ion Ratio Lower Upper  
178 100  
176 20.2 16.2 24.4  
179 15.9 12.8 19.2

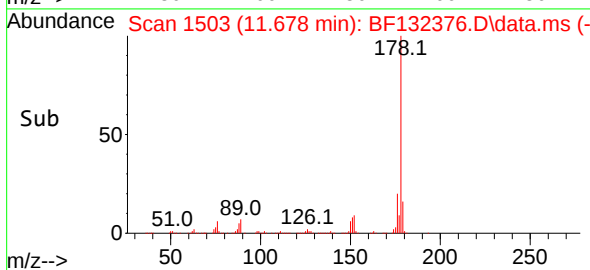
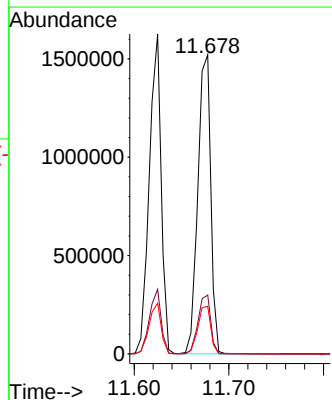
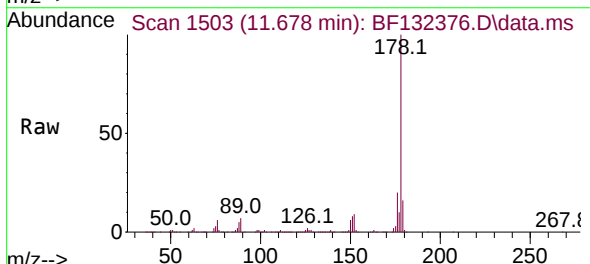
Manual Integrations  
APPROVED

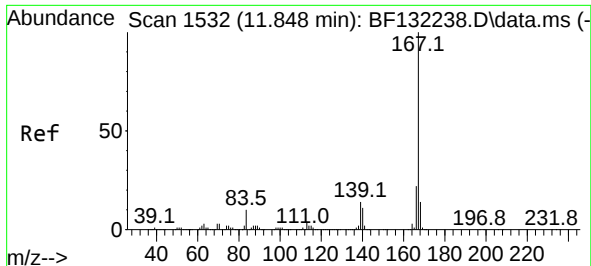
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#72  
Anthracene  
Concen: 42.486 ng  
RT: 11.678 min Scan# 1503  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

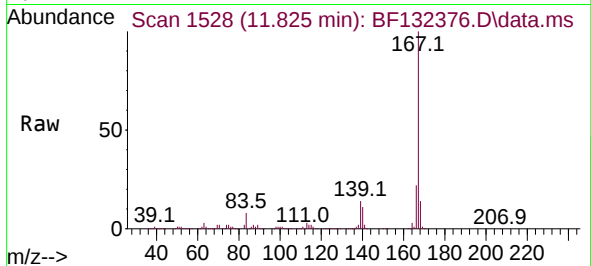
Tgt Ion:178 Resp: 1436233  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.4 23.2  
179 15.9 12.8 19.2





#73  
Carbazole  
Concen: 41.597 ng  
RT: 11.825 min Scan# 1528  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

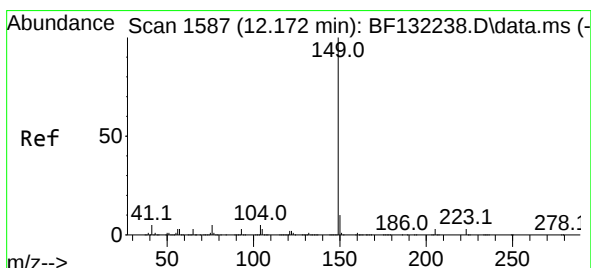
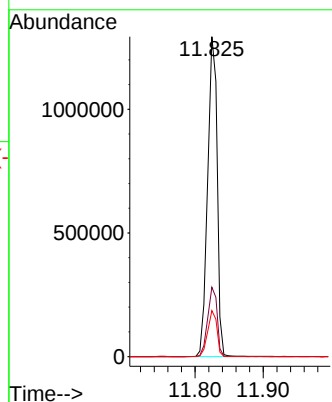
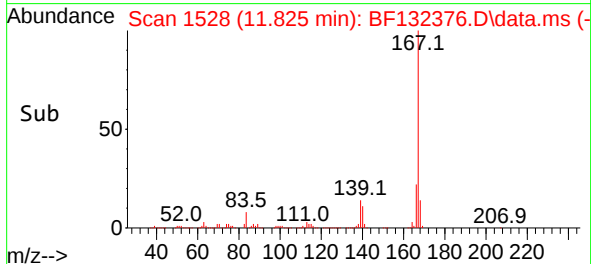
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



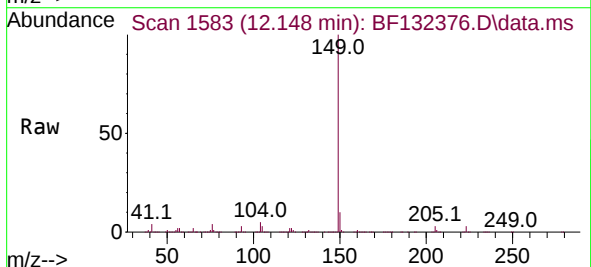
Tgt Ion:167 Resp: 1260855  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.4 26.0  
139 14.4 11.4 17.2

Manual Integrations  
APPROVED

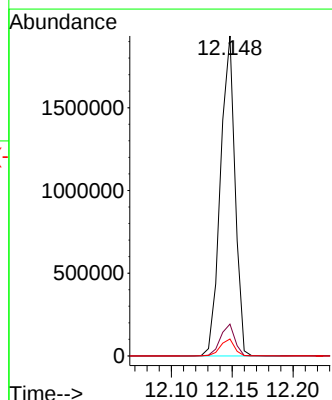
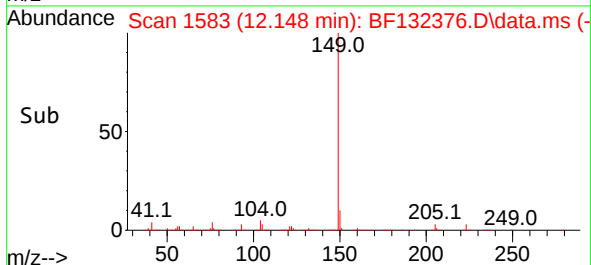
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

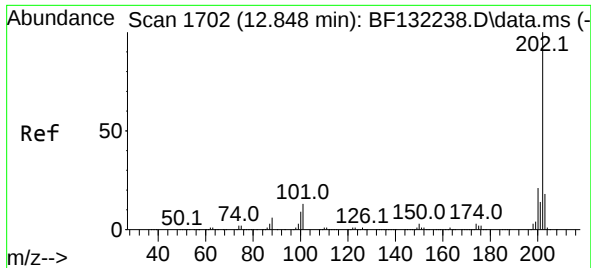


#74  
Di-n-butylphthalate  
Concen: 45.062 ng  
RT: 12.148 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



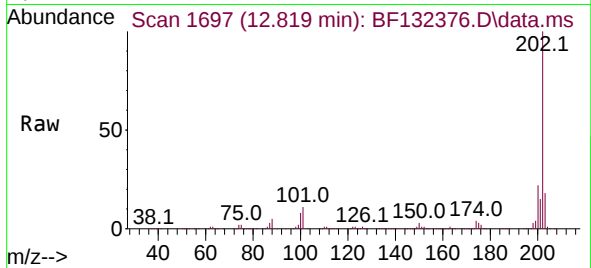
Tgt Ion:149 Resp: 1614782  
Ion Ratio Lower Upper  
149 100  
150 9.9 7.8 11.8  
104 5.3 4.3 6.5





#75  
Fluoranthene  
Concen: 41.057 ng  
RT: 12.819 min Scan# 1697  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

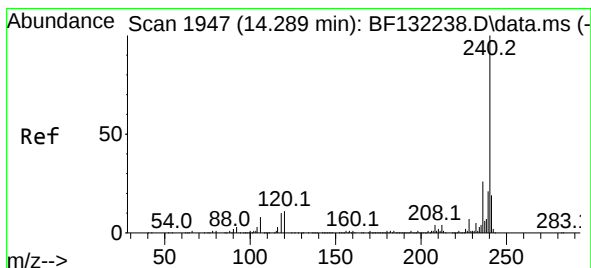
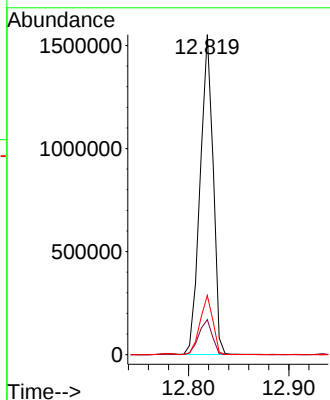
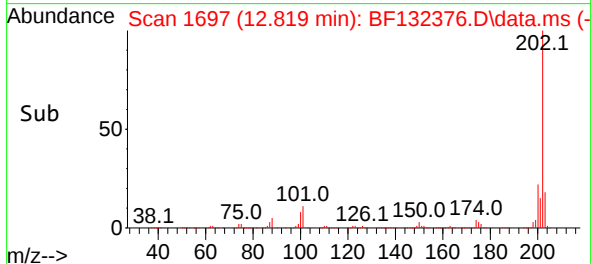
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



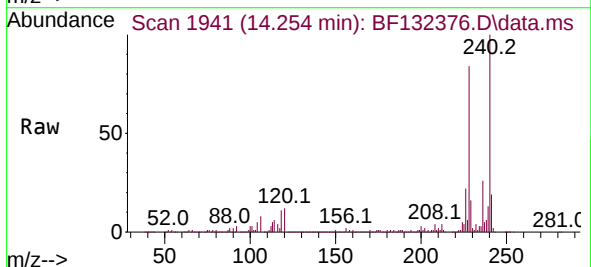
Tgt Ion:202 Resp: 1391728  
Ion Ratio Lower Upper  
202 100  
101 10.9 0.0 32.7  
203 18.5 0.0 37.9

Manual Integrations  
APPROVED

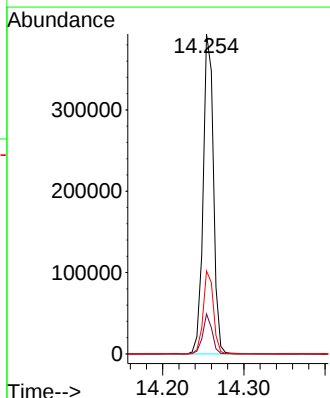
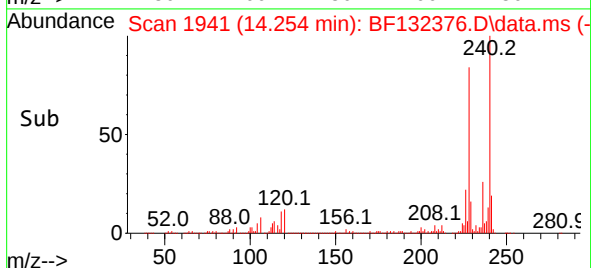
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

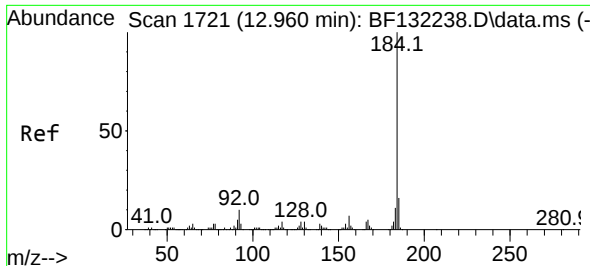


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.254 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



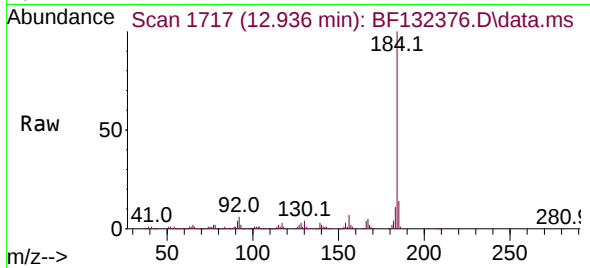
Tgt Ion:240 Resp: 346872  
Ion Ratio Lower Upper  
240 100  
120 12.5 8.8 13.2  
236 25.9 21.0 31.6





#77  
Benzidine  
Concen: 27.971 ng  
RT: 12.936 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

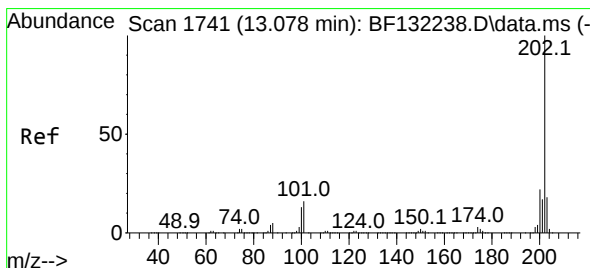
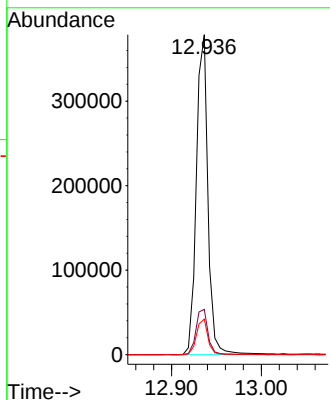
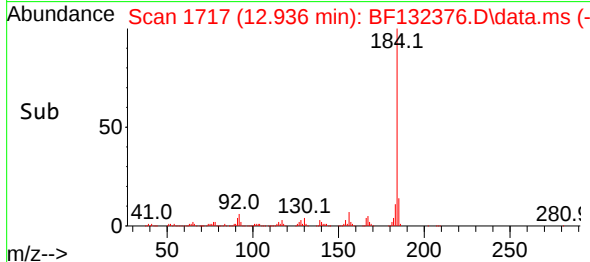
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



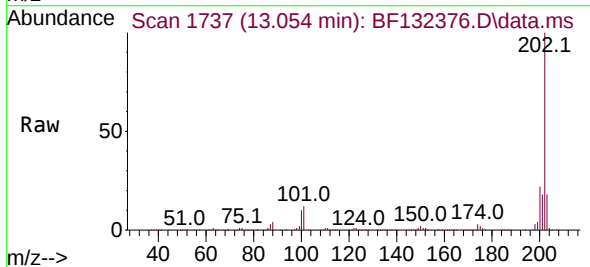
Tgt Ion:184 Resp: 339201  
Ion Ratio Lower Upper  
184 100  
185 14.2 12.6 18.8  
183 11.1 8.9 13.3

Manual Integrations  
APPROVED

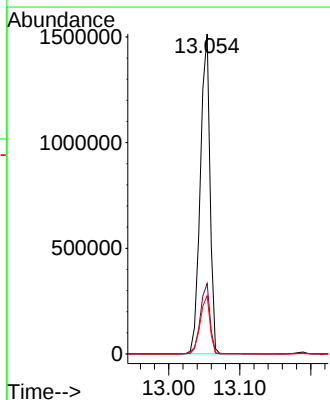
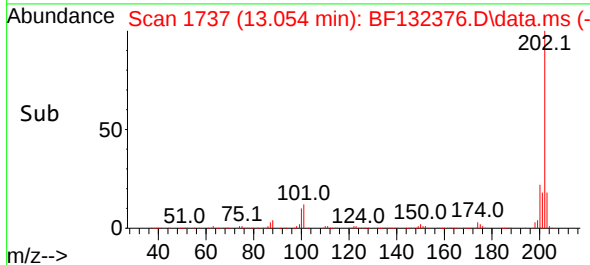
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

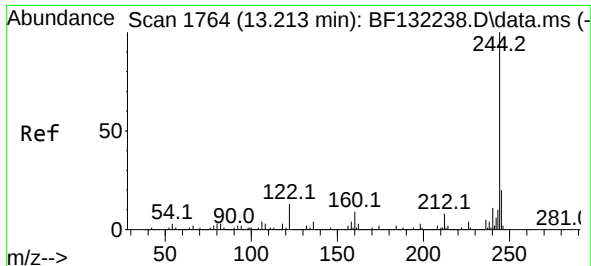


#78  
Pyrene  
Concen: 50.738 ng  
RT: 13.054 min Scan# 1737  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



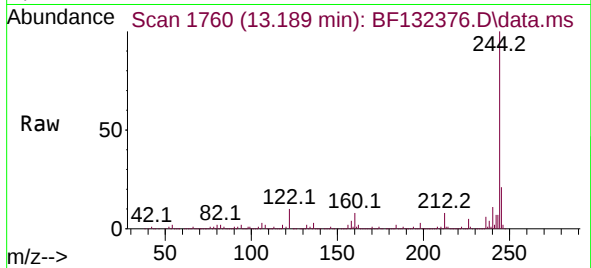
Tgt Ion:202 Resp: 1415542  
Ion Ratio Lower Upper  
202 100  
200 22.0 17.3 25.9  
203 18.2 14.4 21.6





#79  
 Terphenyl-d14  
 Concen: 113.573 ng  
 RT: 13.189 min Scan# 1764  
 Delta R.T. 0.000 min  
 Lab File: BF132376.D  
 Acq: 09 Feb 2023 12:24

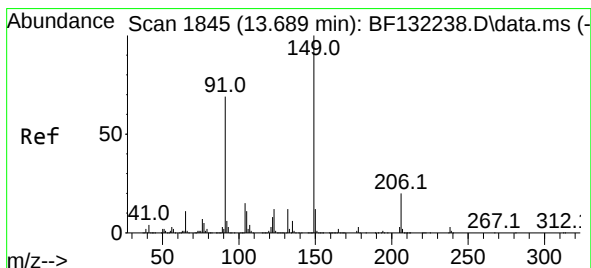
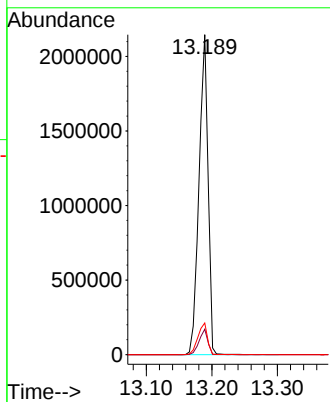
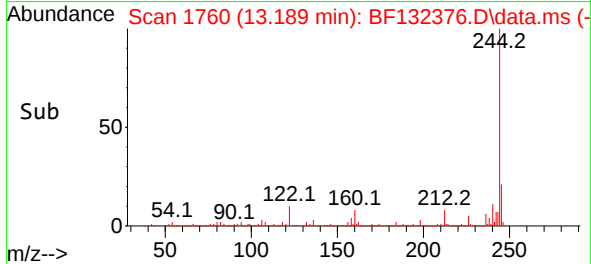
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150732BSD



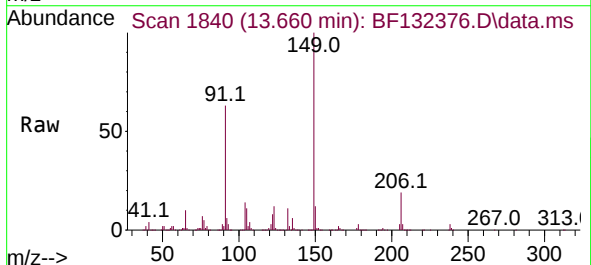
Tgt Ion:244 Resp: 2036560  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 6.4 9.6  
 122 9.9 10.5 15.7

Manual Integrations  
 APPROVED

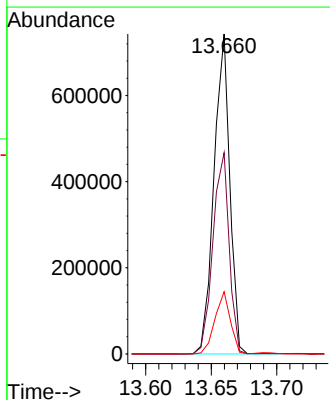
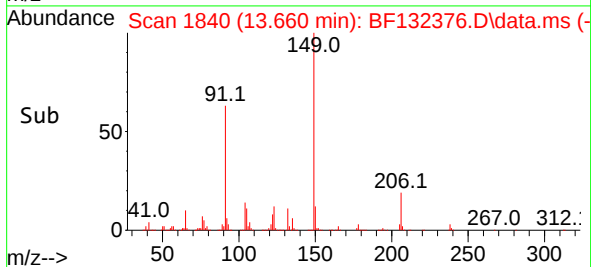
Reviewed By :Christian Giraldo 02/10/2023  
 Supervised By :Jagrut Upadhyay 02/10/2023

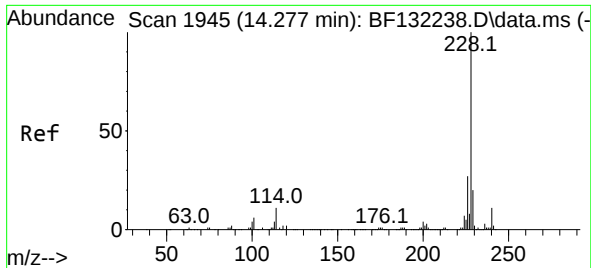


#80  
 Butylbenzylphthalate  
 Concen: 50.559 ng  
 RT: 13.660 min Scan# 1840  
 Delta R.T. 0.000 min  
 Lab File: BF132376.D  
 Acq: 09 Feb 2023 12:24



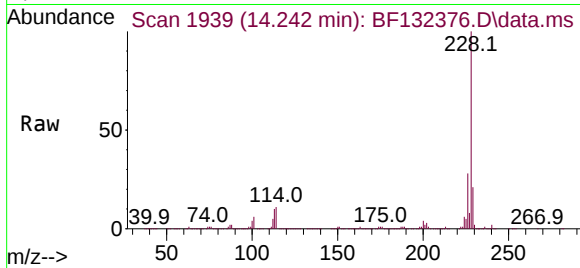
Tgt Ion:149 Resp: 623198  
 Ion Ratio Lower Upper  
 149 100  
 91 62.9 55.0 82.6  
 206 19.4 15.9 23.9





#81  
Benzo(a)anthracene  
Concen: 44.545 ng  
RT: 14.242 min Scan# 1945  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

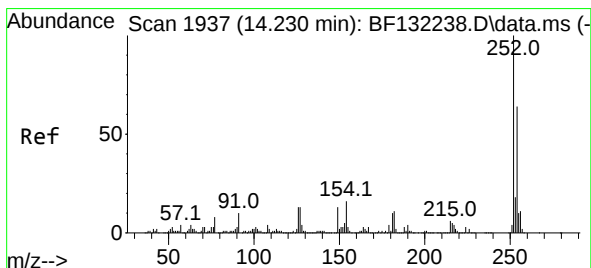
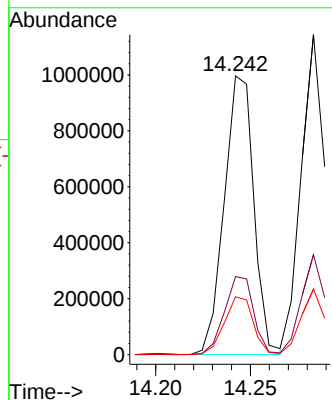
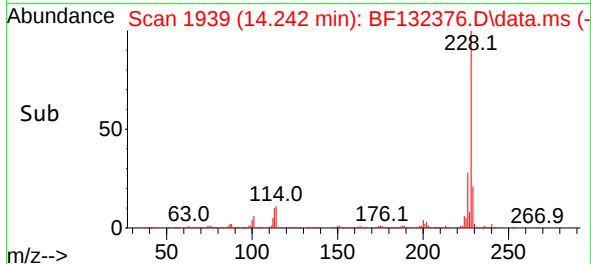
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



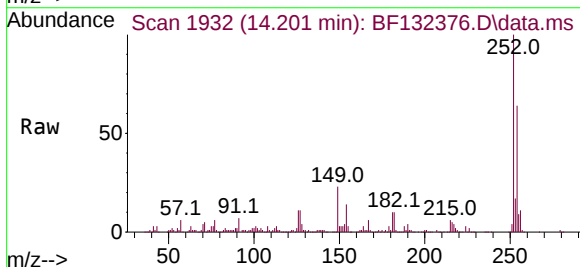
Tgt Ion:228 Resp: 1080684  
Ion Ratio Lower Upper  
228 100  
226 28.0 22.0 33.0  
229 20.7 15.8 23.6

Manual Integrations  
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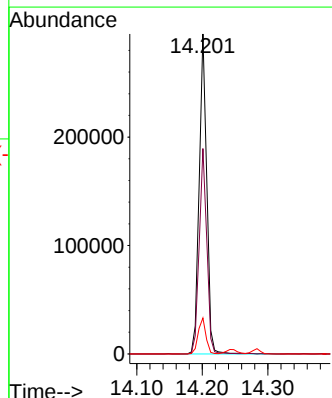
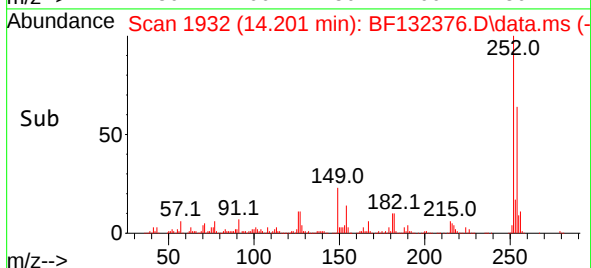
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023

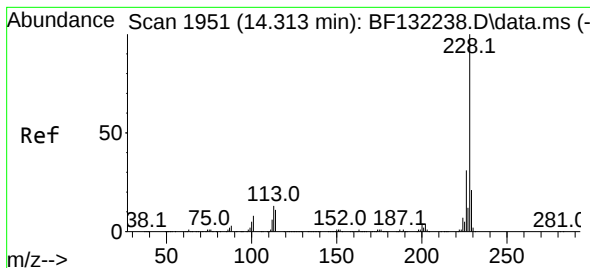


#82  
3,3'-Dichlorobenzidine  
Concen: 30.704 ng  
RT: 14.201 min Scan# 1932  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24



Tgt Ion:252 Resp: 237251  
Ion Ratio Lower Upper  
252 100  
254 64.2 51.6 77.4  
126 11.2 10.5 15.7





#83

Chrysene

Concen: 43.450 ng

RT: 14.283 min Scan# 1951

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:228 Resp: 987070

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

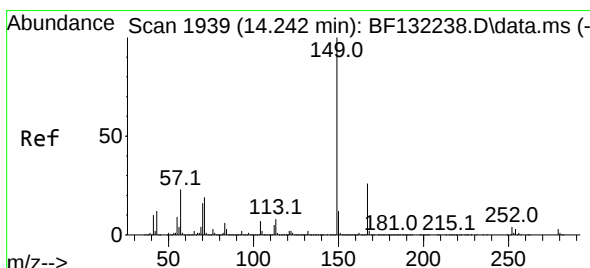
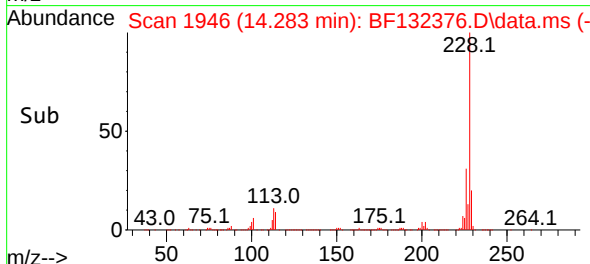
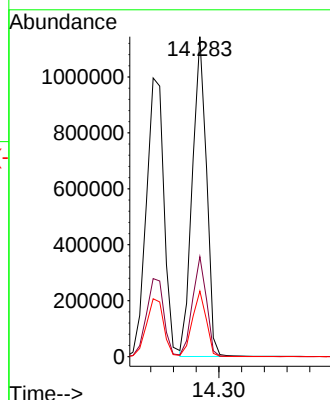
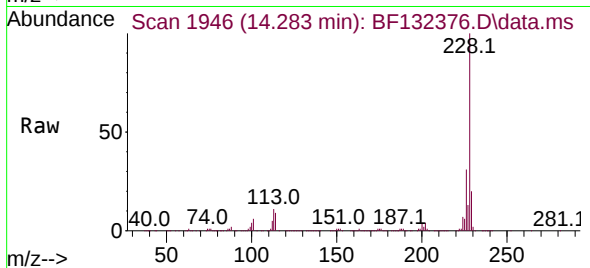
229 20.5 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.474 ng

RT: 14.213 min Scan# 1934

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

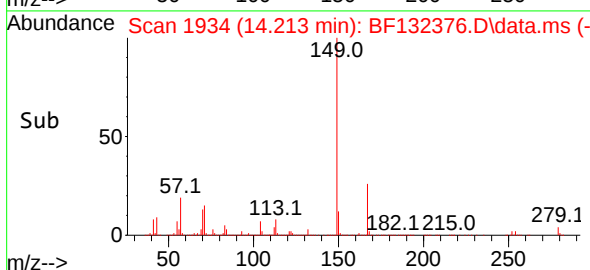
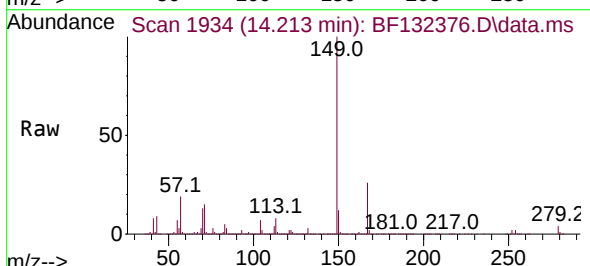
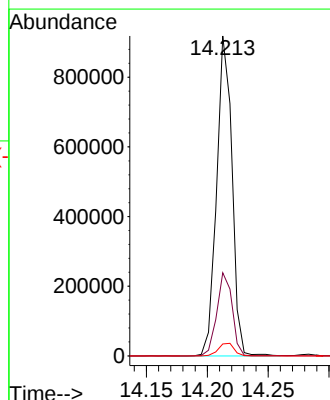
Tgt Ion:149 Resp: 807630

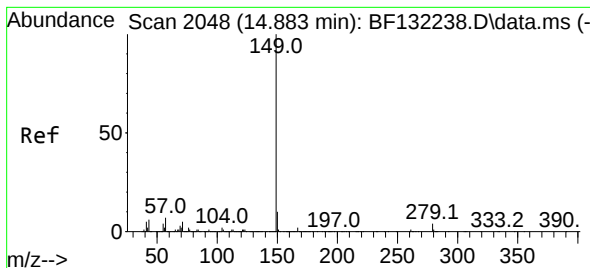
Ion Ratio Lower Upper

149 100

167 26.0 20.7 31.1

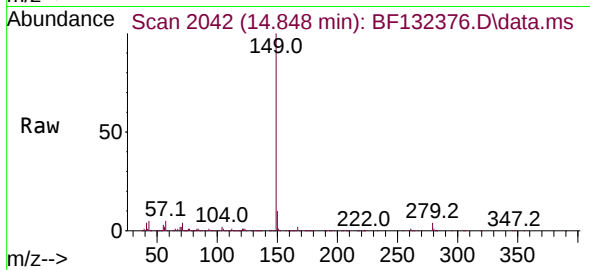
279 3.7 2.7 4.1





#85  
Di-n-octyl phthalate  
Concen: 44.180 ng  
RT: 14.848 min Scan# 2042  
Delta R.T. 0.006 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

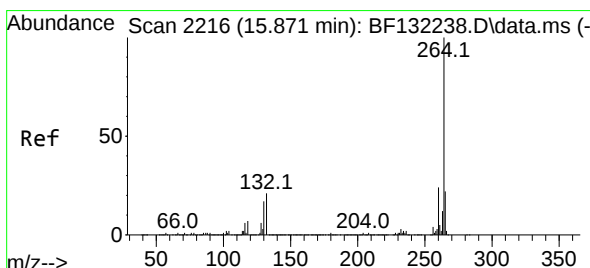
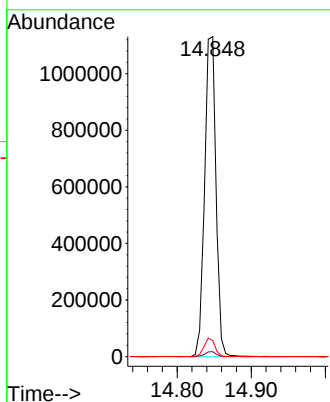
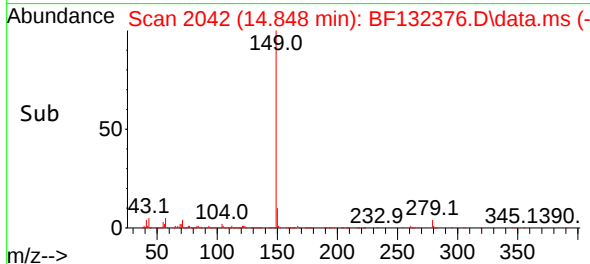
Instrument :  
BNA\_F  
ClientSampleId :  
PB150732BSD



Tgt Ion:149 Resp: 1200603  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 5.5 5.9 8.9

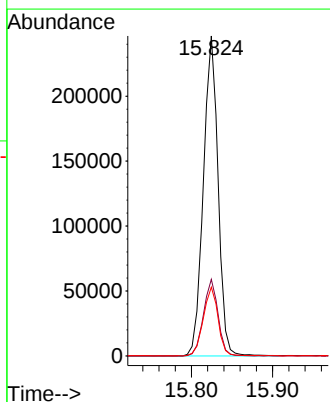
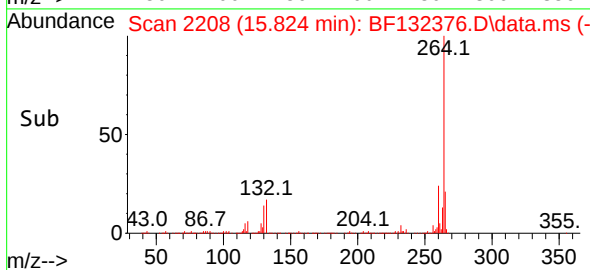
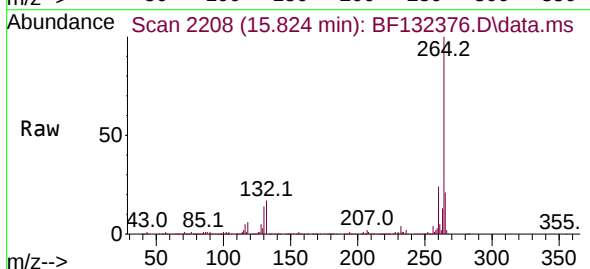
Manual Integrations  
APPROVED

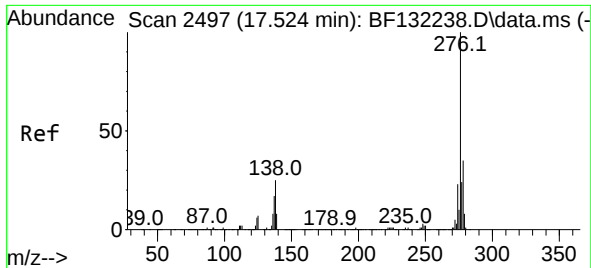
Reviewed By :Christian Giraldo 02/10/2023  
Supervised By :Jagrut Upadhyay 02/10/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.824 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: BF132376.D  
Acq: 09 Feb 2023 12:24

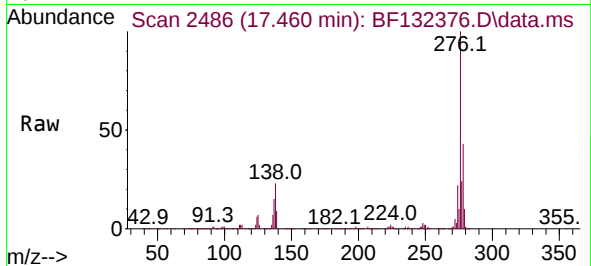
Tgt Ion:264 Resp: 310537  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.0 28.4  
265 21.5 17.4 26.2





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 50.901 ng  
 RT: 17.460 min Scan# 2497  
 Delta R.T. 0.006 min  
 Lab File: BF132376.D  
 Acq: 09 Feb 2023 12:24

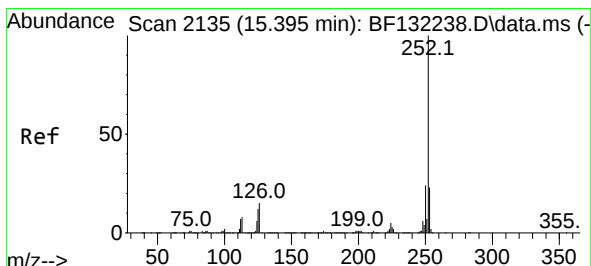
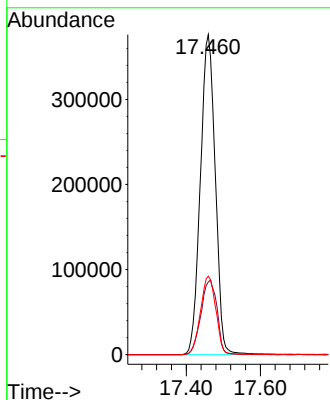
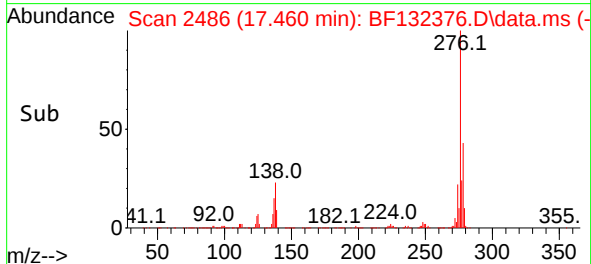
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150732BSD



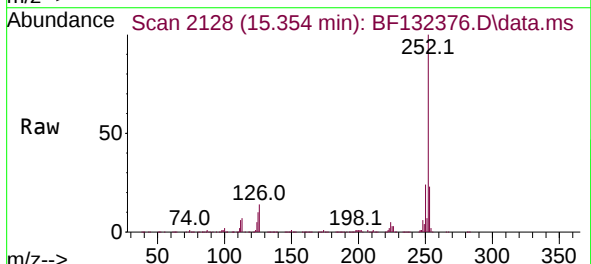
Tgt Ion:276 Resp: 1050299  
 Ion Ratio Lower Upper  
 276 100  
 138 25.1 23.3 34.9  
 277 25.2 20.0 30.0

Manual Integrations  
 APPROVED

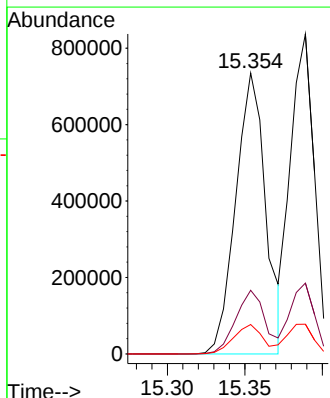
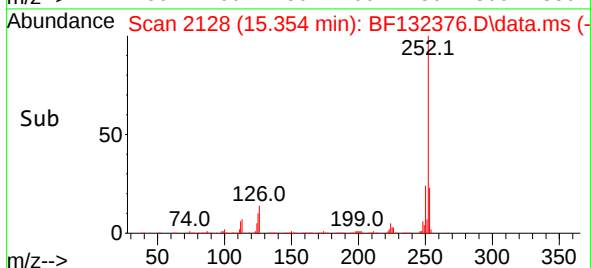
Reviewed By :Christian Giraldo 02/10/2023  
 Supervised By :Jagrut Upadhyay 02/10/2023

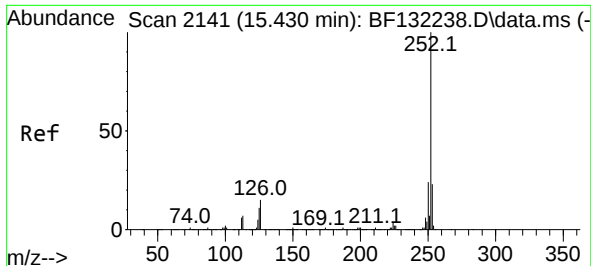


#88  
 Benzo(b)fluoranthene  
 Concen: 50.400 ng  
 RT: 15.354 min Scan# 2128  
 Delta R.T. 0.000 min  
 Lab File: BF132376.D  
 Acq: 09 Feb 2023 12:24



Tgt Ion:252 Resp: 994857  
 Ion Ratio Lower Upper  
 252 100  
 253 22.6 18.1 27.1  
 125 10.4 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 47.930 ng

RT: 15.389 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:252 Resp: 903076

Ion Ratio Lower Upper

252 100

253 22.1 18.2 27.2

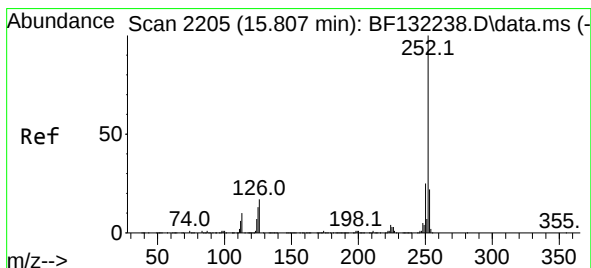
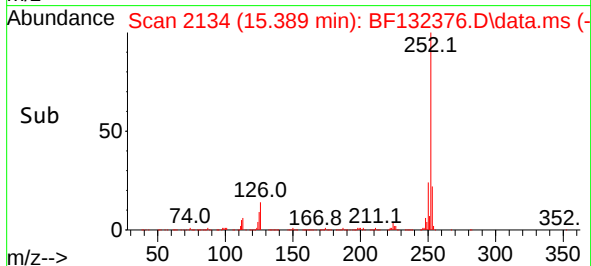
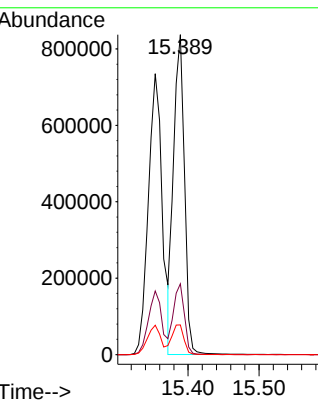
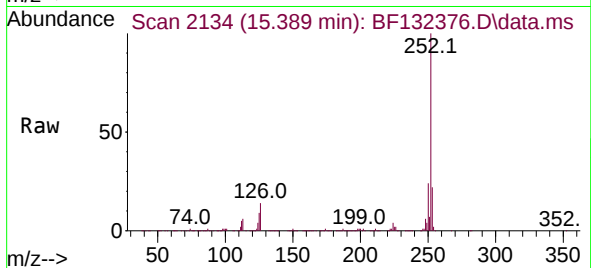
125 9.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#90

Benzo(a)pyrene

Concen: 45.219 ng

RT: 15.760 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

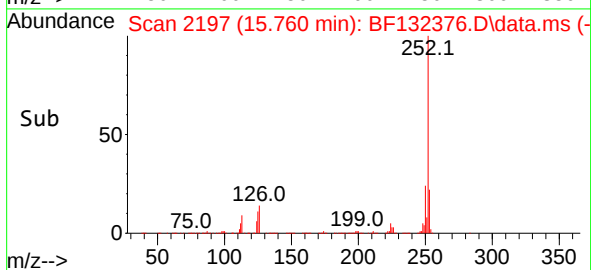
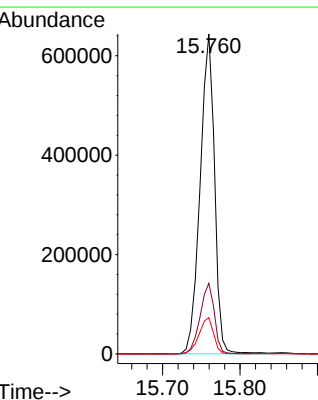
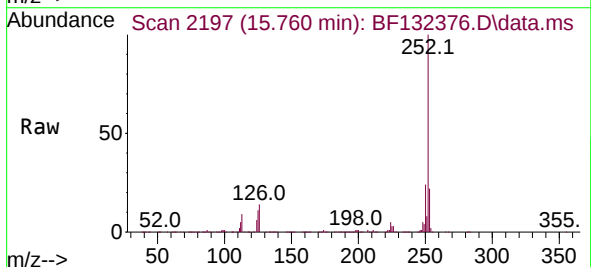
Tgt Ion:252 Resp: 831175

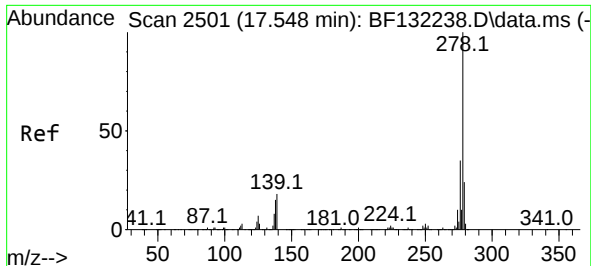
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.3 10.2 15.4





#91

Dibenzo(a,h)anthracene

Concen: 52.082 ng

RT: 17.477 min Scan# 24

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Instrument :

BNA\_F

ClientSampleId :

PB150732BSD

Tgt Ion:278 Resp: 864012

Ion Ratio Lower Upper

278 100

139 16.6 14.2 21.2

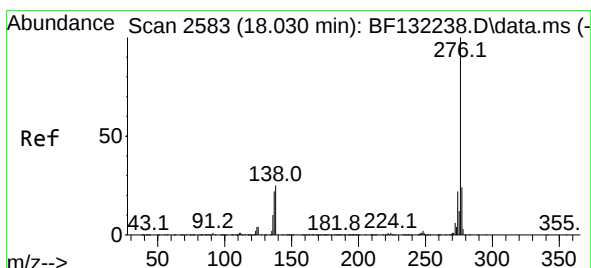
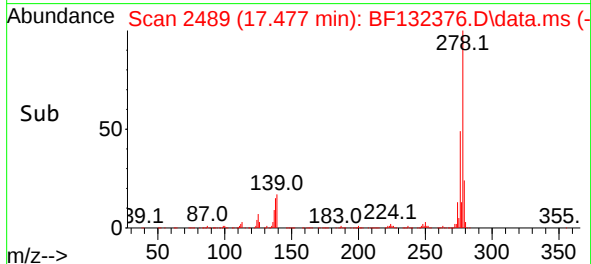
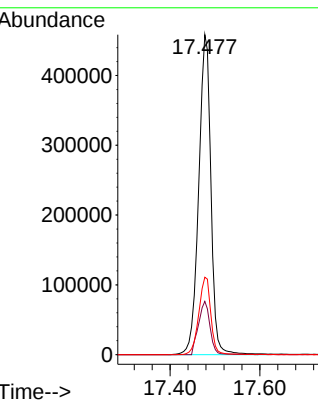
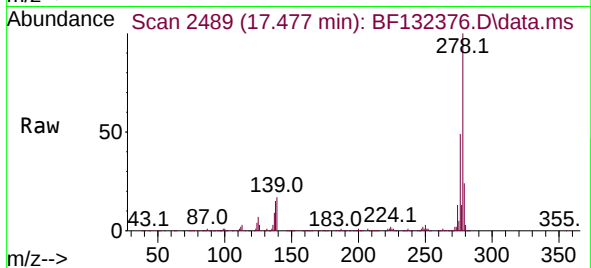
279 24.2 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/10/2023

Supervised By :Jagrut Upadhyay 02/10/2023



#92

Benzo(g,h,i)perylene

Concen: 50.389 ng

RT: 17.960 min Scan# 2571

Delta R.T. 0.006 min

Lab File: BF132376.D

Acq: 09 Feb 2023 12:24

Tgt Ion:276 Resp: 863593

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 21.9 20.3 30.5

