

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF013023\  
 Data File : BF132219.D  
 Acq On : 30 Jan 2023 19:40  
 Operator : CG\JU  
 Sample : 01243-06MSD  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TJRC-011923-B4-20-30MSD

Quant Time: Jan 31 00:32:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF012723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 28 02:25:45 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian  
 Giraldo  
 01/31/2023  
 Supervised By :Jagrit  
 Upadhyay  
 01/31/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.084  | 152  | 213237   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.372  | 136  | 789439   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.136 | 164  | 421759   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.630 | 188  | 803294   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.295 | 240  | 415373   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.877 | 264  | 419062   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.713  | 112  | 1405747  | 109.686 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.695  | 99   | 1802824  | 112.188 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.648  | 82   | 1092522  | 72.452  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.930 | 330  | 511763   | 131.039 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.448  | 172  | 1877973  | 65.519  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.224 | 244  | 1940428  | 73.395  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.102  | 88   | 267774   | 41.512  | ng    | 97       |
| 3) Pyridine                   | 3.831  | 79   | 686290   | 38.738  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.796  | 42   | 244759   | 41.279  | ng    | 88       |
| 6) Aniline                    | 6.742  | 93   | 699602   | 31.090  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.866  | 128  | 667563   | 51.948  | ng    | 95       |
| 9) Benzaldehyde               | 6.631  | 77   | 303494   | 28.126  | ng    | 96       |
| 10) Phenol                    | 6.713  | 94   | 812759   | 48.584  | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 6.813  | 93   | 664200   | 46.027  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.025  | 146  | 702947   | 49.205  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.101  | 146  | 702415   | 49.319  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.254  | 146  | 678086   | 51.252  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.219  | 79   | 563182   | 47.695  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.348  | 45   | 713464   | 43.537  | ng    | 96       |
| 17) 2-Methylphenol            | 7.319  | 107  | 541167   | 46.316  | ng    | 99       |
| 18) Hexachloroethane          | 7.595  | 117  | 264279   | 50.500  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.489  | 70   | 426789   | 44.126  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.472  | 107  | 687731   | 46.832  | ng    | 91       |
| 22) Acetophenone              | 7.489  | 105  | 874574   | 45.310  | ng    | 97       |
| 24) Nitrobenzene              | 7.666  | 77   | 684063   | 43.878  | ng    | 95       |
| 25) Isophorone                | 7.901  | 82   | 1315750  | 45.371  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.978  | 139  | 329251   | 51.776  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 8.007  | 122  | 583630   | 48.126  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.107  | 93   | 810589   | 45.400  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.219  | 162  | 566309   | 50.012  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.307  | 180  | 623897   | 47.961  | ng    | 99       |
| 31) Naphthalene               | 8.395  | 128  | 1764090  | 45.163  | ng    | 100      |
| 32) Benzoic acid              | 8.095  | 122  | 267283m  | 35.178  | ng    |          |
| 33) 4-Chloroaniline           | 8.431  | 127  | 248636   | 14.683  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.501  | 225  | 378306   | 46.555  | ng    | 98       |
| 35) Caprolactam               | 8.813  | 113  | 180330m  | 56.246  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.907  | 107  | 581649   | 50.161  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 9.083  | 142  | 1201513  | 44.832  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.183  | 142  | 1127339  | 45.345  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.248  | 216  | 643187   | 45.441  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.236  | 237  | 771400   | 107.297 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.354  | 196  | 439293   | 50.865  | ng    | 99       |

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 Upadhyay  
 01/31/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.395  | 196  | 474546   | 46.920  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.548  | 154  | 1476863  | 45.438  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.578  | 162  | 1167642  | 46.285  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.666  | 65   | 332441   | 49.069  | ng    | 91       |
| 49) Acenaphthylene            | 9.995  | 152  | 1812077  | 46.232  | ng    | 99       |
| 50) Dimethylphthalate         | 9.848  | 163  | 1374888  | 48.034  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.907  | 165  | 319329   | 52.514  | ng    | 92       |
| 52) Acenaphthene              | 10.172 | 154  | 1099834  | 45.639  | ng    | 99       |
| 53) 3-Nitroaniline            | 10.078 | 138  | 216682   | 32.202  | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 10.178 | 184  | 109805   | 38.874  | ng    | # 1      |
| 55) Dibenzofuran              | 10.342 | 168  | 1650052  | 45.704  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.230 | 139  | 490813   | 100.959 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.319 | 165  | 413958   | 55.296  | ng    | # 82     |
| 58) Fluorene                  | 10.689 | 166  | 1279266  | 46.390  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.454 | 232  | 382546   | 53.232  | ng    | 97       |
| 60) Diethylphthalate          | 10.548 | 149  | 1359887  | 48.739  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.672 | 204  | 683186   | 46.964  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.701 | 138  | 307695   | 48.736  | ng    | 96       |
| 63) Azobenzene                | 10.836 | 77   | 1475955  | 50.125  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.725 | 198  | 112024   | 29.285  | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 10.795 | 169  | 1138461  | 45.131  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.172 | 248  | 443357   | 47.942  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.236 | 284  | 472650   | 51.581  | ng    | 97       |
| 69) Atrazine                  | 11.319 | 200  | 404960   | 55.933  | ng    | 100      |
| 70) Pentachlorophenol         | 11.430 | 266  | 435301   | 71.973  | ng    | 97       |
| 71) Phenanthrene              | 11.660 | 178  | 1867060  | 45.688  | ng    | 99       |
| 72) Anthracene                | 11.713 | 178  | 1897007  | 45.587  | ng    | 100      |
| 73) Carbazole                 | 11.860 | 167  | 1684063  | 47.109  | ng    | 100      |
| 74) Di-n-butylphthalate       | 12.183 | 149  | 2054235  | 50.511  | ng    | 100      |
| 75) Fluoranthene              | 12.854 | 202  | 1916320  | 46.088  | ng    | 99       |
| 77) Benzidine                 | 12.966 | 184  | 320763   | 29.585  | ng    | 99       |
| 78) Pyrene                    | 13.089 | 202  | 1928368  | 49.549  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.695 | 149  | 718309   | 54.618  | ng    | 95       |
| 81) Benzo(a)anthracene        | 14.283 | 228  | 1387477  | 47.508  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.236 | 252  | 238901   | 30.186  | ng    | 98       |
| 83) Chrysene                  | 14.318 | 228  | 1288252  | 47.333  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.254 | 149  | 986698   | 58.073  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.889 | 149  | 1328556  | 52.428  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.542 | 276  | 1469198  | 53.027  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.407 | 252  | 1288923  | 50.079  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.436 | 252  | 1285015  | 48.387  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.812 | 252  | 1149848  | 47.338  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.559 | 278  | 1201668  | 53.047  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 18.048 | 276  | 1185984  | 51.349  | ng    | 99       |

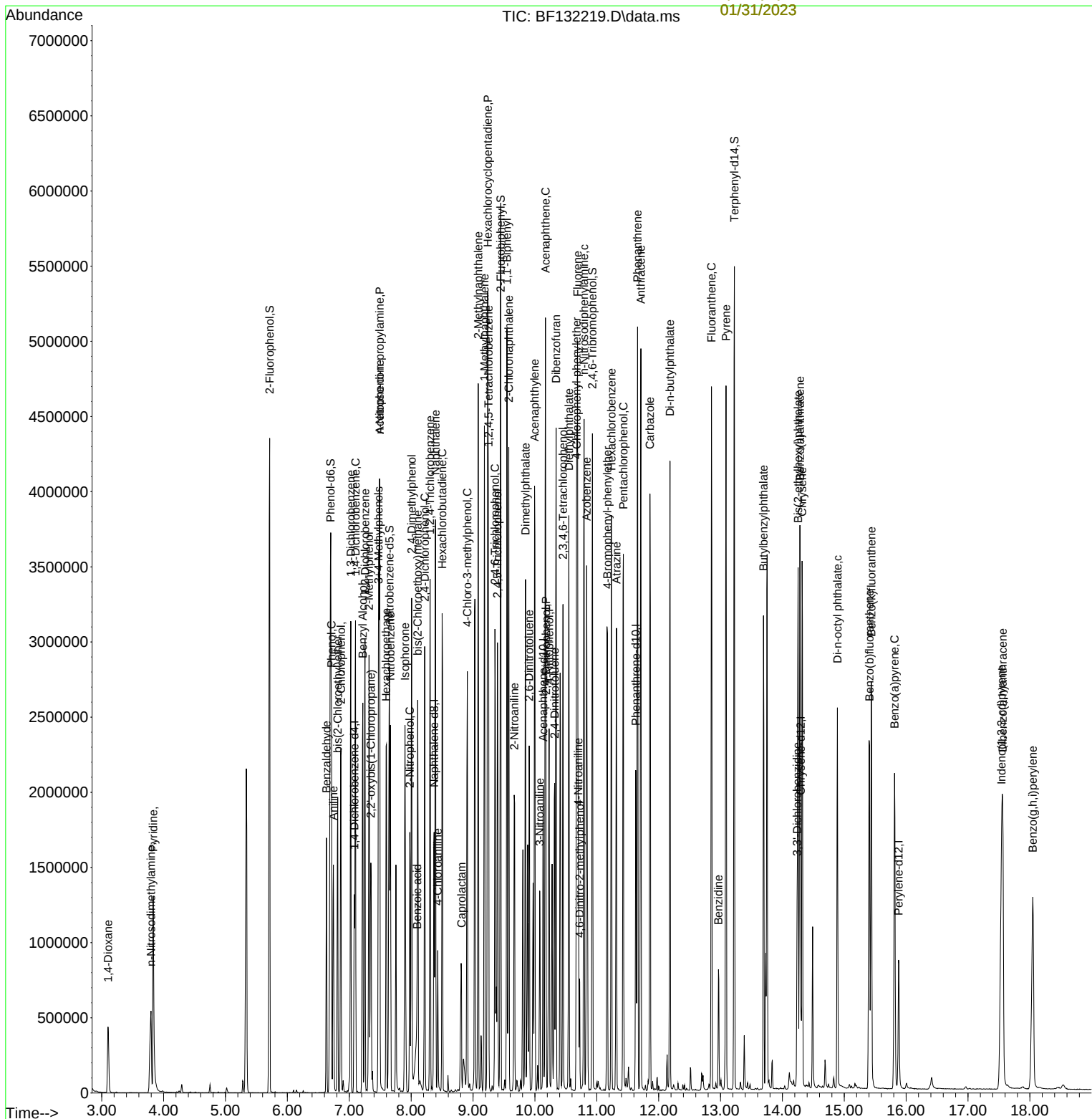
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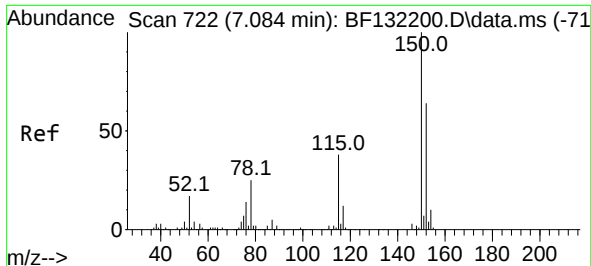
## Manual Integrations

Reviewed By :Christian  
Giraldo  
01/31/2023

Supervised By :Jagrut  
Upadhyay  
01/31/2023

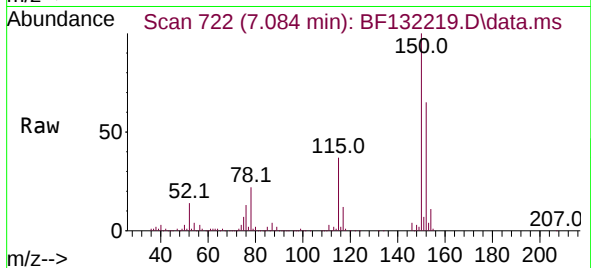
Quant Time: Jan 31 00:32:57 2023  
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.084 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

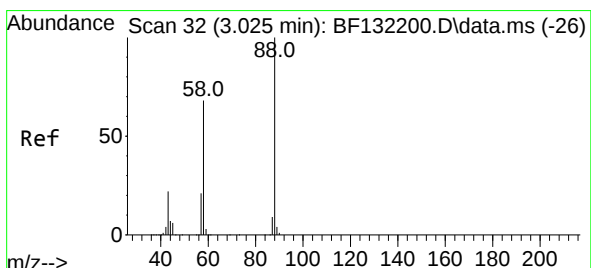
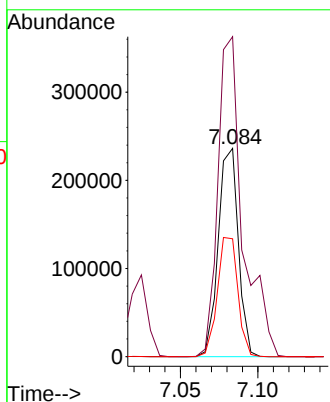
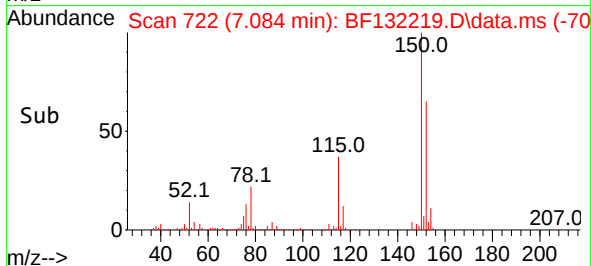


Tgt Ion:152 Resp: 21323  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.5 186.7  
115 56.6 47.0 70.6

Manual Integrations  
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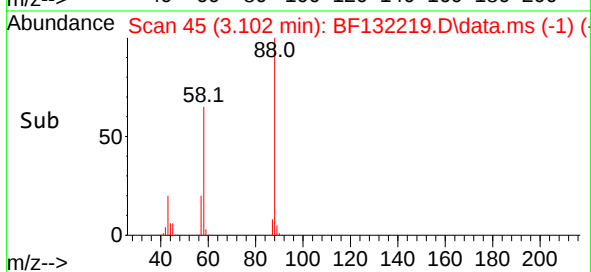
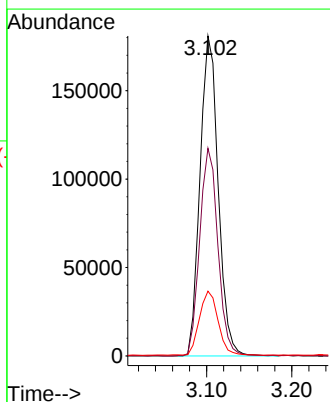
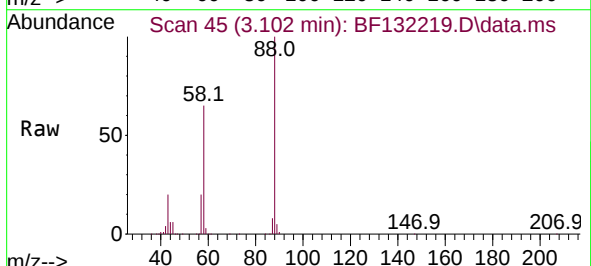
Reviewed By :Christian  
Giraldo  
01/31/2023

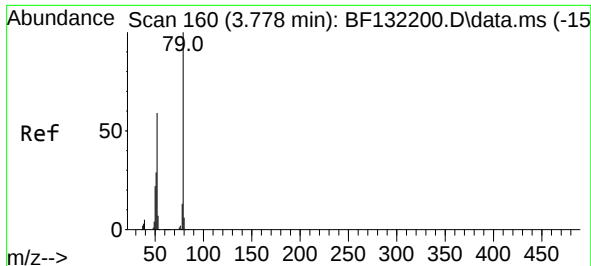
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#2  
1,4-Dioxane  
Concen: 41.512 ng  
RT: 3.102 min Scan# 45  
Delta R.T. 0.076 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

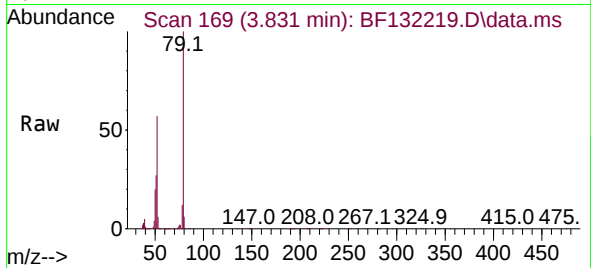
Tgt Ion: 88 Resp: 267774  
Ion Ratio Lower Upper  
88 100  
58 65.0 54.1 81.1  
43 20.7 18.0 27.0





#3  
Pyridine  
Concen: 38.738 ng  
RT: 3.831 min Scan# 160  
Delta R.T. 0.053 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

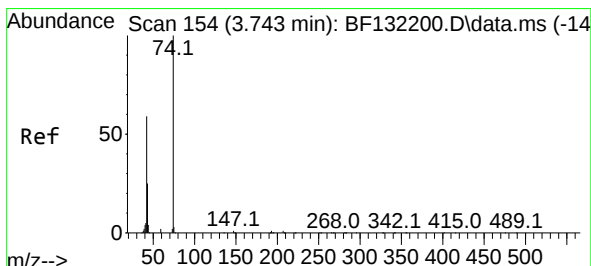
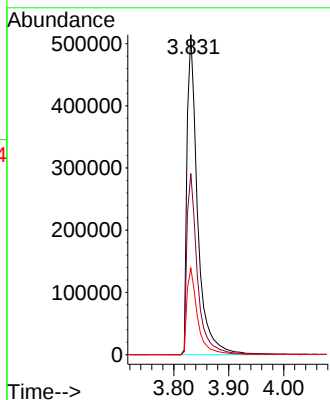
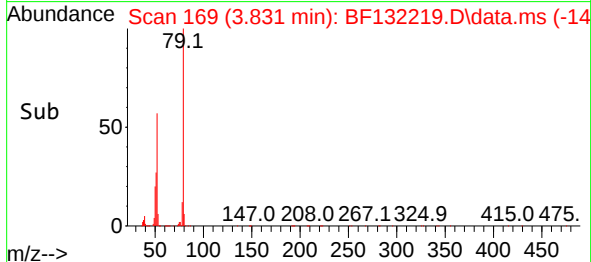
Instrument :  
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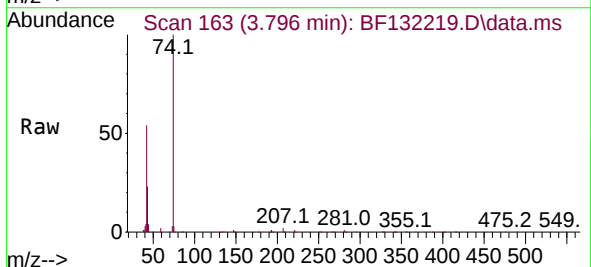
Tgt Ion: 79 Resp: 686290  
Ion Ratio Lower Upper  
79 100  
52 56.6 46.8 70.2  
51 27.0 23.0 34.6

Manual Integrations  
APPROVED

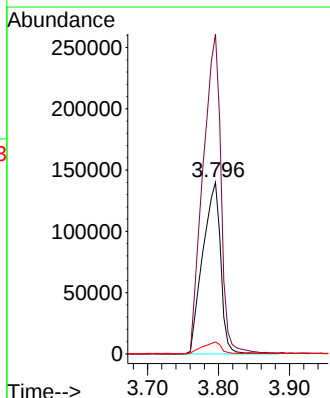
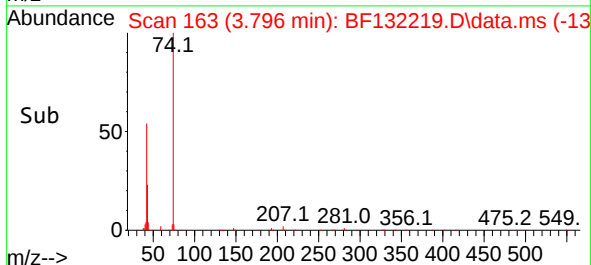
Reviewed By :Christian  
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Upadhyay  
01/31/2023

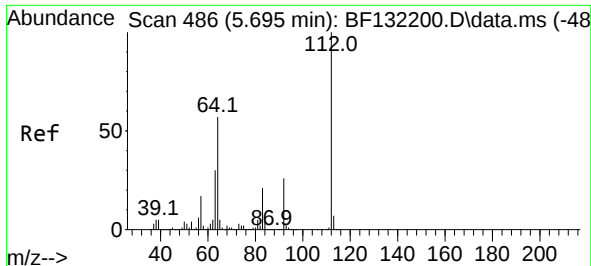


#4  
n-Nitrosodimethylamine  
Concen: 41.279 ng  
RT: 3.796 min Scan# 163  
Delta R.T. 0.053 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



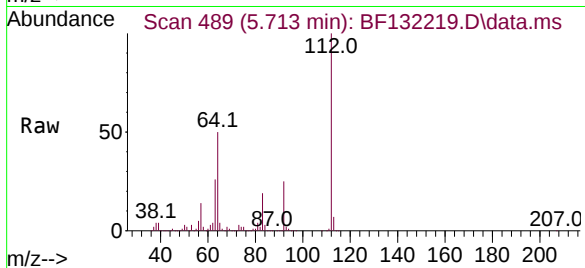
Tgt Ion: 42 Resp: 244759  
Ion Ratio Lower Upper  
42 100  
74 186.4 135.3 202.9  
44 7.0 5.1 7.7





#5  
2-Fluorophenol  
Concen: 109.686 ng  
RT: 5.713 min Scan# 486  
Delta R.T. 0.018 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

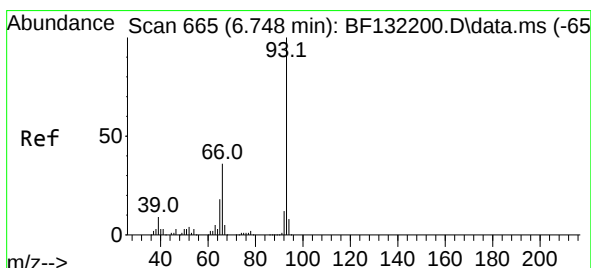
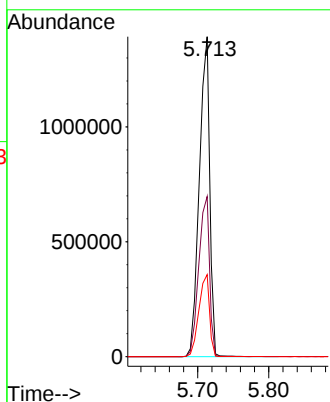
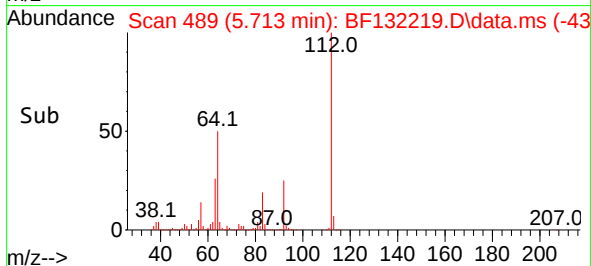


Tgt Ion: 112 Resp: 140574  
Ion Ratio Lower Upper  
112 100  
64 50.0 45.5 68.3  
63 25.6 23.7 35.5

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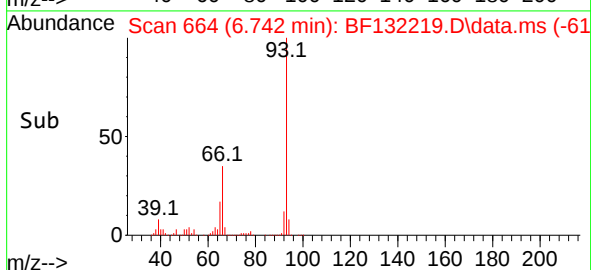
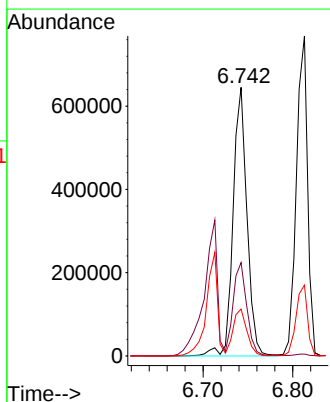
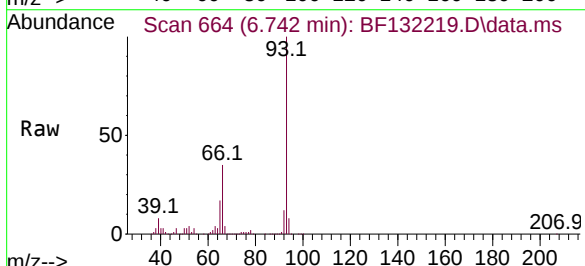
Reviewed By :Christian  
Giraldo  
01/31/2023

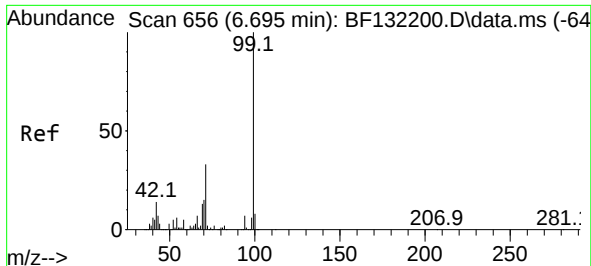
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#6  
Aniline  
Concen: 31.090 ng  
RT: 6.742 min Scan# 664  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

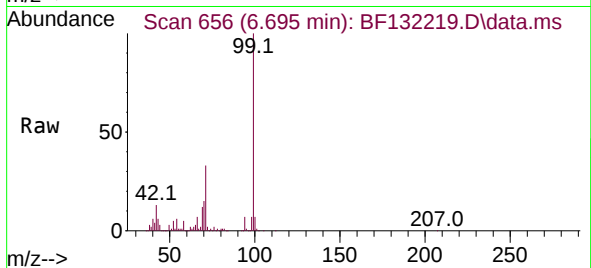
Tgt Ion: 93 Resp: 699602  
Ion Ratio Lower Upper  
93 100  
66 34.8 28.7 43.1  
65 17.5 14.7 22.1





#7  
Phenol-d6  
Concen: 112.188 ng  
RT: 6.695 min Scan# 656  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
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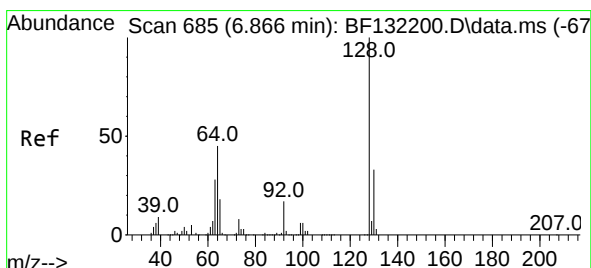
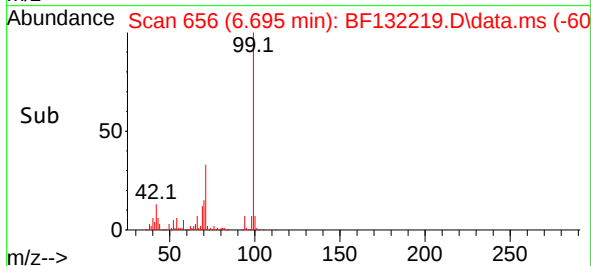
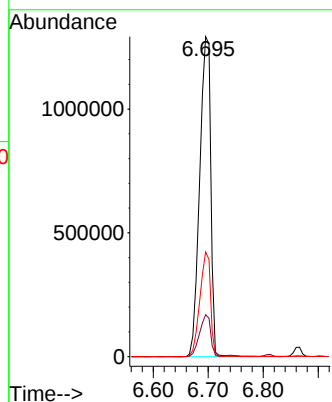
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion: 99 Resp: 1802824  
Ion Ratio Lower Upper  
99 100  
42 13.1 11.3 16.9  
71 32.7 26.3 39.5

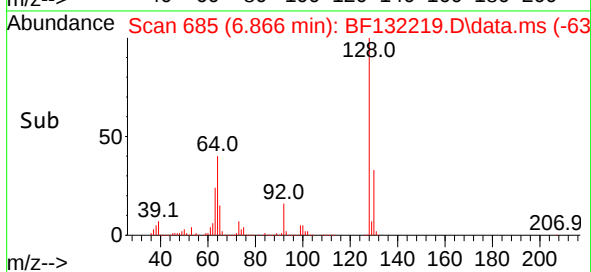
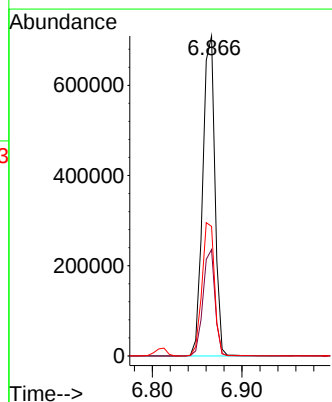
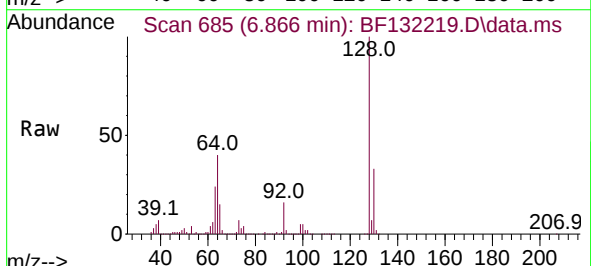
Manual Integrations  
APPROVED

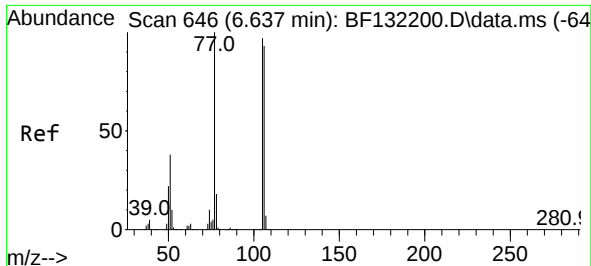
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#8  
2-Chlorophenol  
Concen: 51.948 ng  
RT: 6.866 min Scan# 685  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

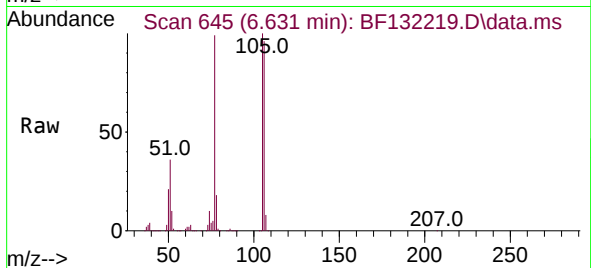
Tgt Ion:128 Resp: 667563  
Ion Ratio Lower Upper  
128 100  
130 33.2 12.8 52.8  
64 40.5 25.7 65.7





#9  
Benzaldehyde  
Concen: 28.126 ng  
RT: 6.631 min Scan# 646  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

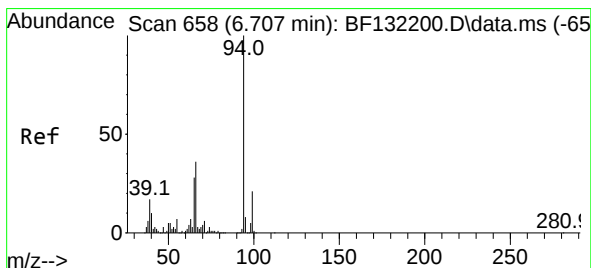
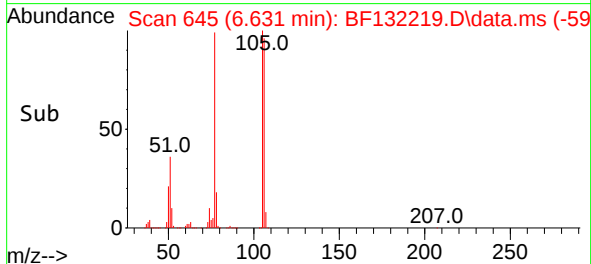
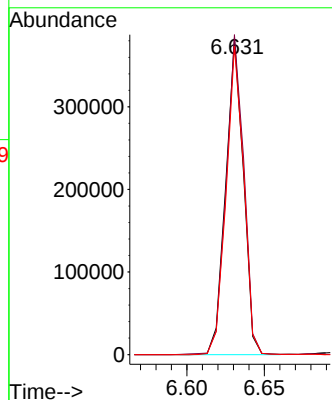


Tgt Ion: 77 Resp: 303494  
Ion Ratio Lower Upper  
77 100  
105 101.0 77.0 117.0  
106 97.4 73.2 113.2

Manual Integrations  
APPROVED

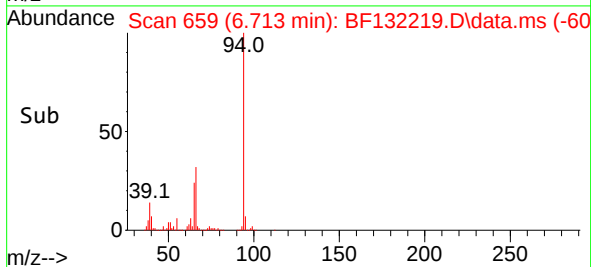
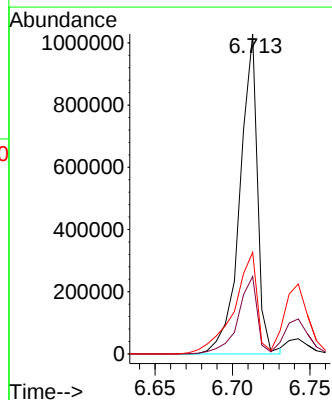
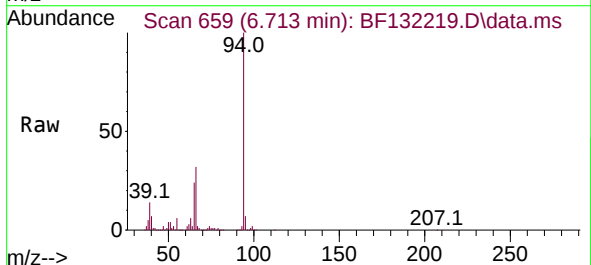
Reviewed By :Christian  
Giraldo  
01/31/2023

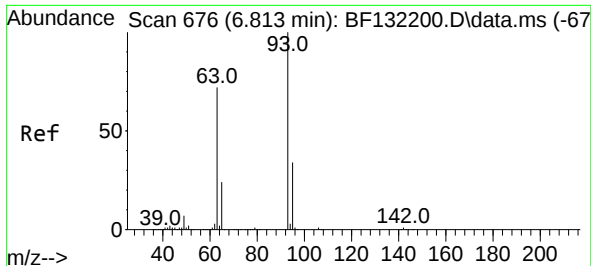
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#10  
Phenol  
Concen: 48.584 ng  
RT: 6.713 min Scan# 659  
Delta R.T. 0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

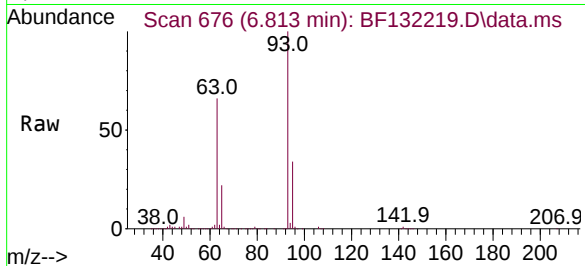
Tgt Ion: 94 Resp: 812759  
Ion Ratio Lower Upper  
94 100  
65 24.2 7.6 47.6  
66 31.7 16.3 56.3





#11  
bis(2-Chloroethyl)ether  
Concen: 46.027 ng  
RT: 6.813 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

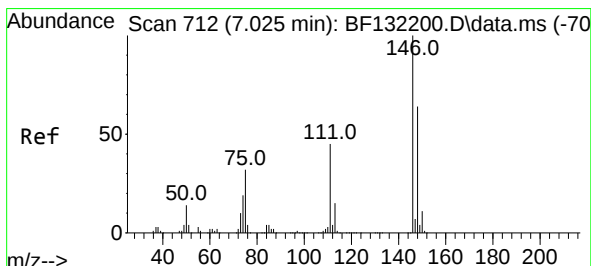
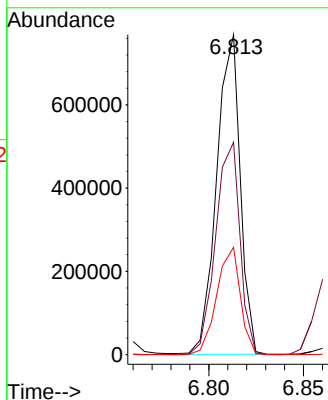
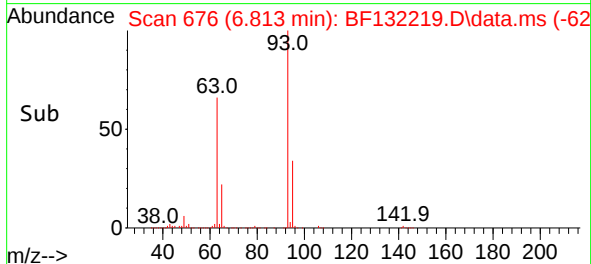
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion: 93 Resp: 664200  
Ion Ratio Lower Upper  
93 100  
63 66.4 52.2 92.2  
95 33.5 13.8 53.8

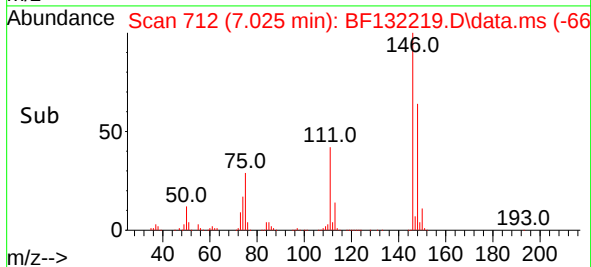
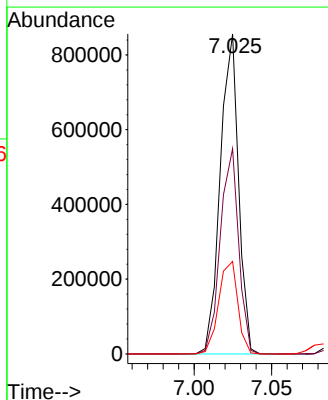
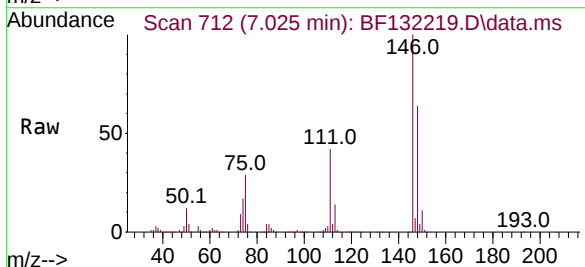
Manual Integrations  
APPROVED

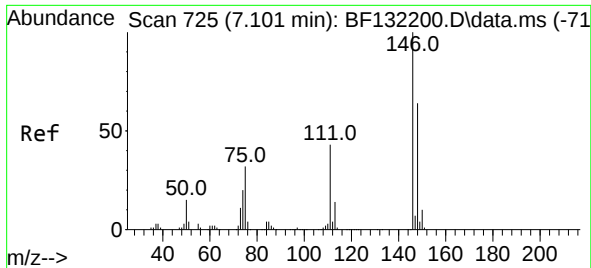
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#12  
1,3-Dichlorobenzene  
Concen: 49.205 ng  
RT: 7.025 min Scan# 712  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

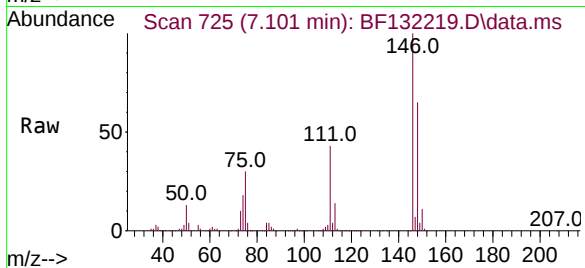
Tgt Ion:146 Resp: 702947  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.3 76.9  
75 28.9 25.4 38.2





#13  
1,4-Dichlorobenzene  
Concen: 49.319 ng  
RT: 7.101 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

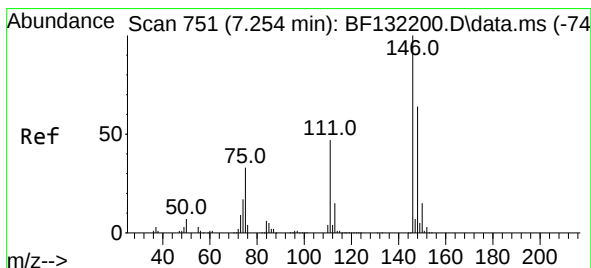
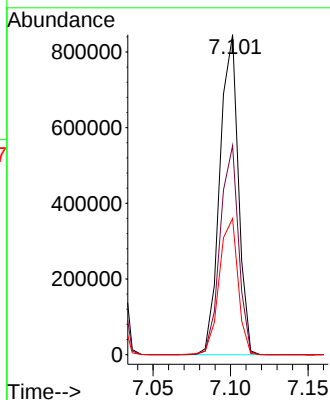
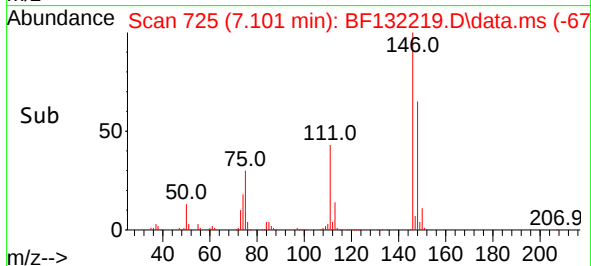
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



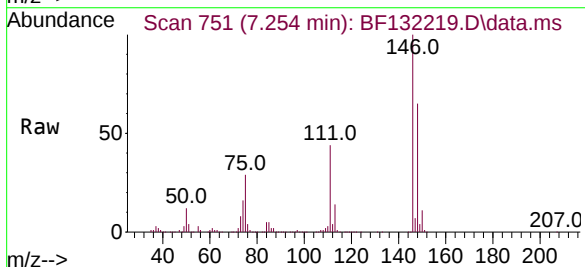
Tgt Ion:146 Resp: 702415  
Ion Ratio Lower Upper  
146 100  
148 65.3 50.9 76.3  
111 42.6 34.2 51.4

Manual Integrations  
APPROVED

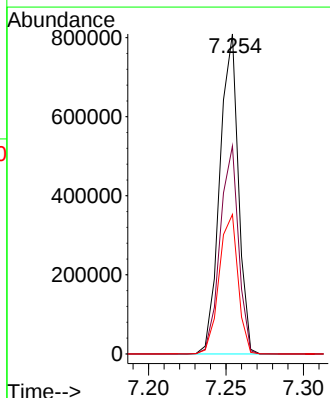
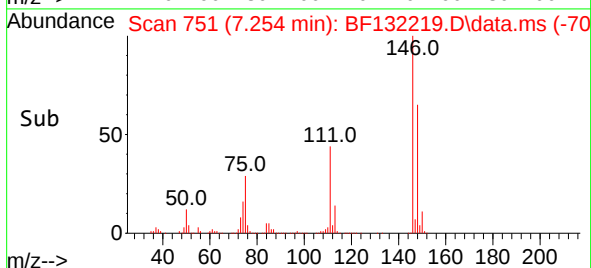
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023

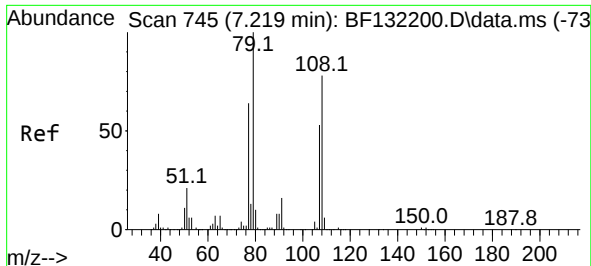


#14  
1,2-Dichlorobenzene  
Concen: 51.252 ng  
RT: 7.254 min Scan# 751  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



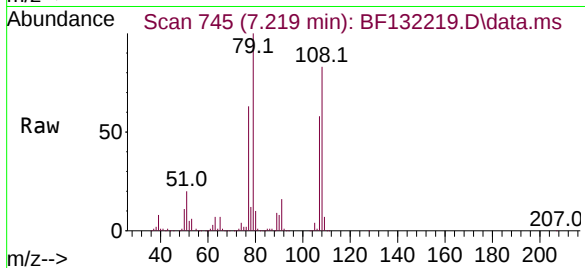
Tgt Ion:146 Resp: 678086  
Ion Ratio Lower Upper  
146 100  
148 65.0 51.5 77.3  
111 43.6 37.5 56.3





#15  
Benzyl Alcohol  
Concen: 47.695 ng  
RT: 7.219 min Scan# 745  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

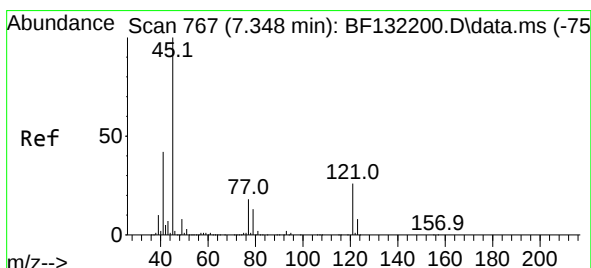
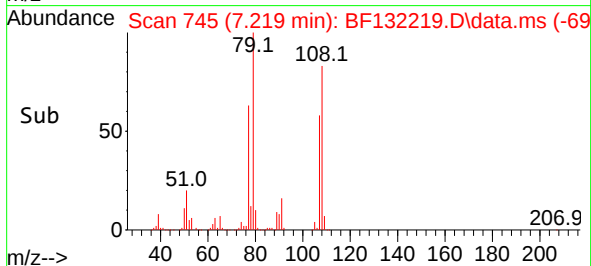
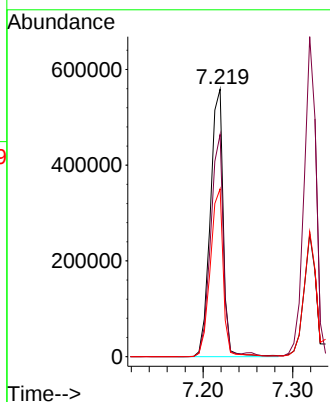


Tgt Ion: 79 Resp: 563182  
Ion Ratio Lower Upper  
79 100  
108 83.1 62.2 93.4  
77 62.7 51.5 77.3

Manual Integrations  
APPROVED

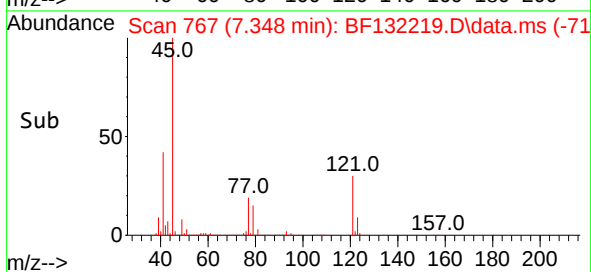
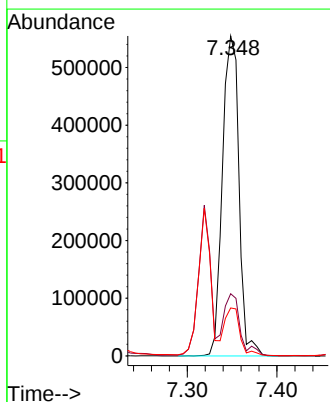
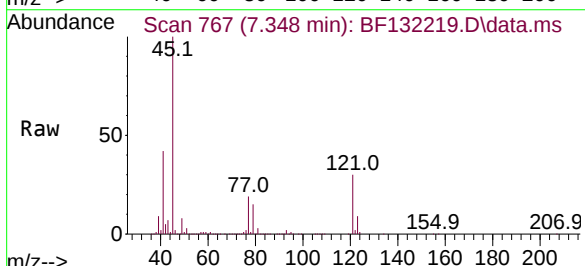
Reviewed By :Christian  
Giraldo  
01/31/2023

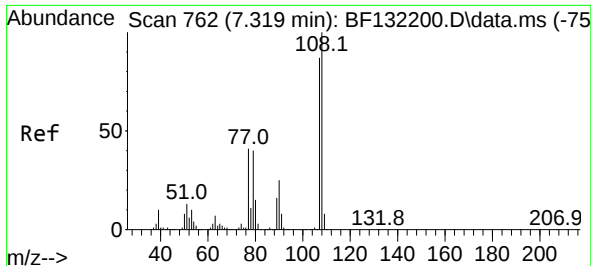
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 43.537 ng  
RT: 7.348 min Scan# 767  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

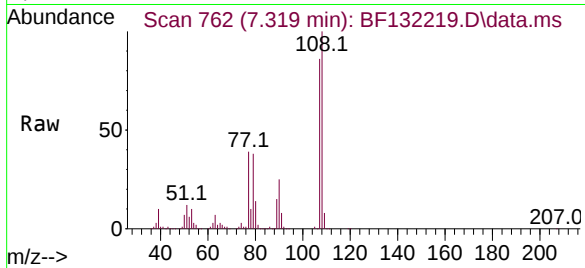
Tgt Ion: 45 Resp: 713464  
Ion Ratio Lower Upper  
45 100  
77 19.4 0.0 38.0  
79 15.0 0.0 32.9





#17  
2-Methylphenol  
Concen: 46.316 ng  
RT: 7.319 min Scan# 762  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

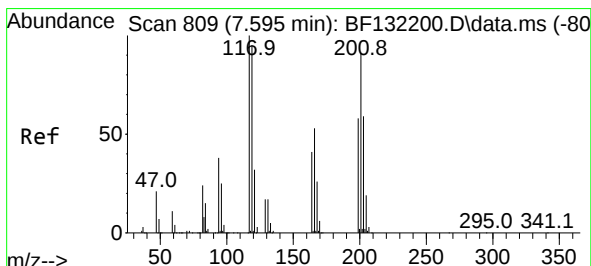
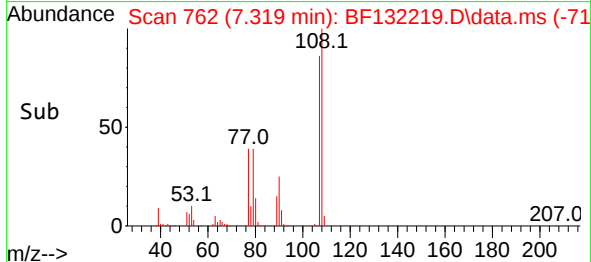
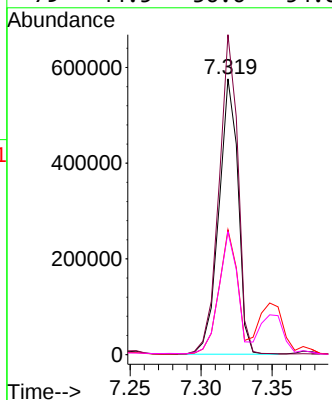


Tgt Ion:107 Resp: 541162  
Ion Ratio Lower Upper  
107 100  
108 116.0 92.2 138.4  
77 45.3 37.5 56.3  
79 44.5 36.6 54.8

Manual Integrations  
APPROVED

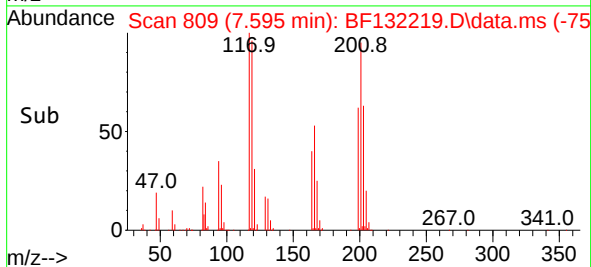
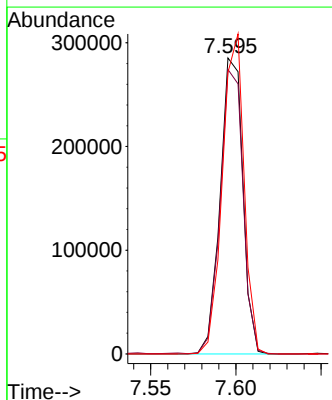
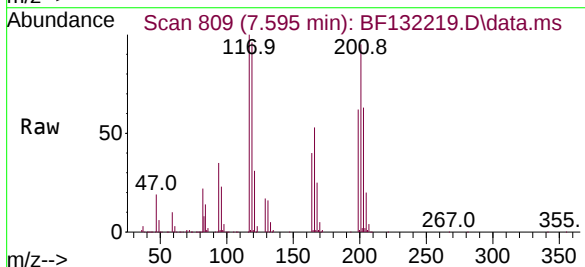
Reviewed By :Christian  
Giraldo  
01/31/2023

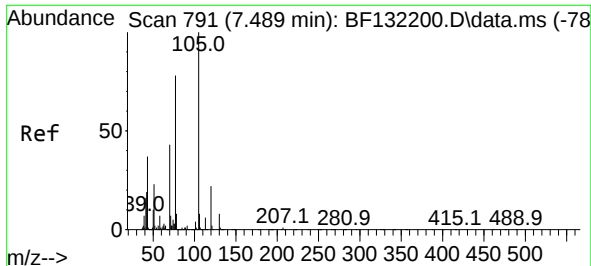
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#18  
Hexachloroethane  
Concen: 50.500 ng  
RT: 7.595 min Scan# 809  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

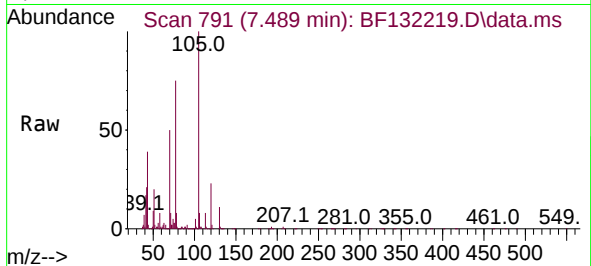
Tgt Ion:117 Resp: 264279  
Ion Ratio Lower Upper  
117 100  
119 96.1 76.0 114.0  
201 95.1 72.9 109.3





#19  
n-Nitroso-di-n-propylamine  
Concen: 44.126 ng  
RT: 7.489 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

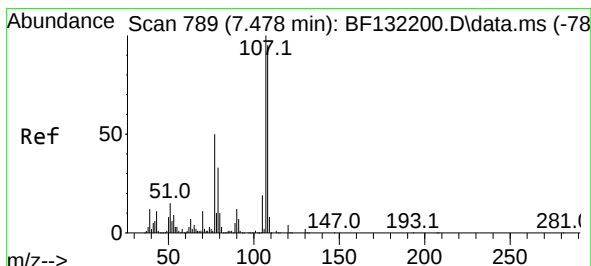
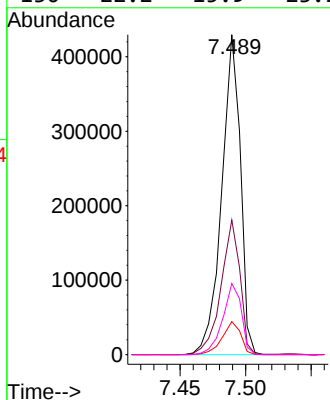
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



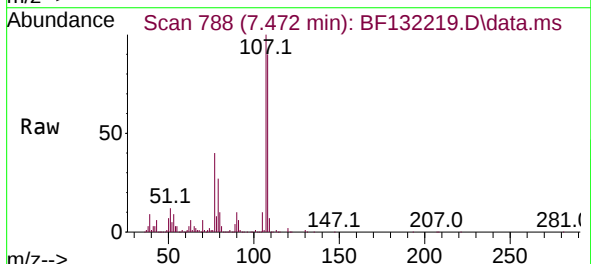
Tgt Ion: 70 Resp: 426789  
Ion Ratio Lower Upper  
70 100  
42 42.1 36.2 54.4  
101 10.3 7.9 11.9  
130 22.2 15.9 23.9

Manual Integrations  
APPROVED

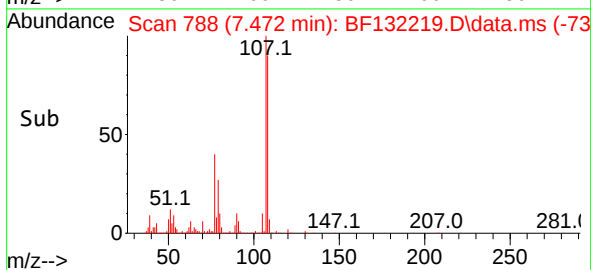
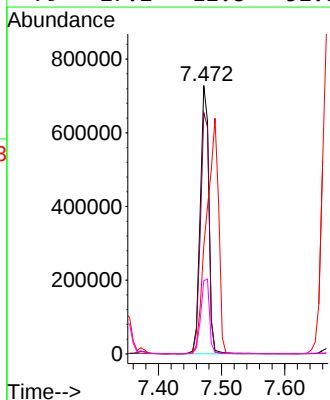
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023

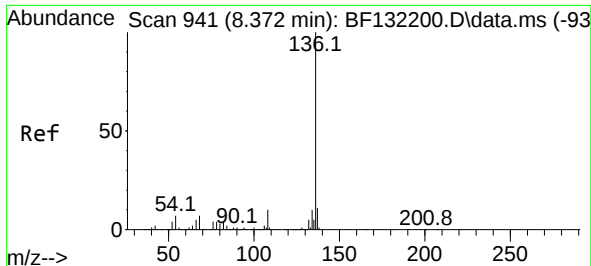


#20  
3+4-Methylphenols  
Concen: 46.832 ng  
RT: 7.472 min Scan# 788  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



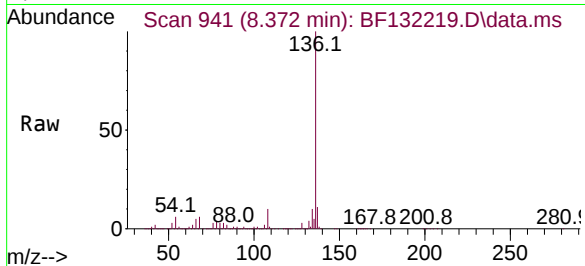
Tgt Ion:107 Resp: 687731  
Ion Ratio Lower Upper  
107 100  
108 89.8 75.1 115.1  
77 40.2 29.6 69.6  
79 27.2 12.8 52.8





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.372 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

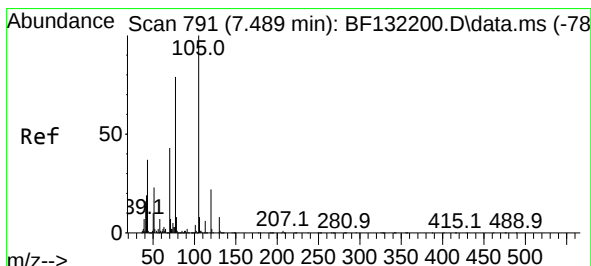
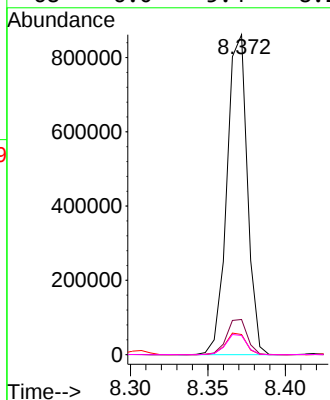
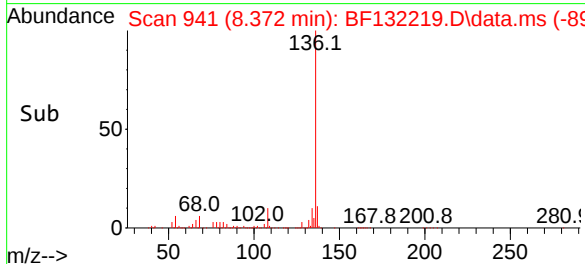
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



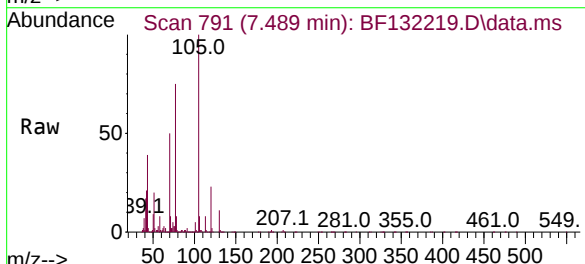
Tgt Ion:136 Resp: 789439  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.4  
54 6.3 5.4 8.2  
68 6.0 5.4 8.2

Manual Integrations  
APPROVED

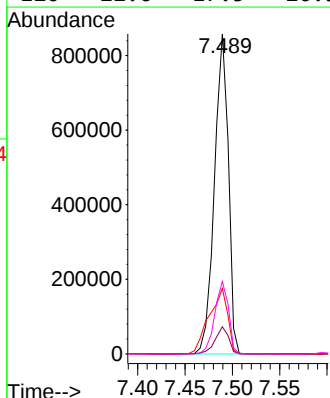
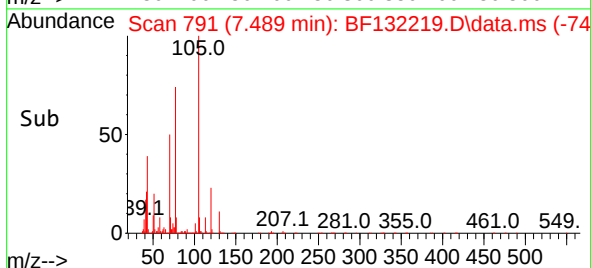
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023

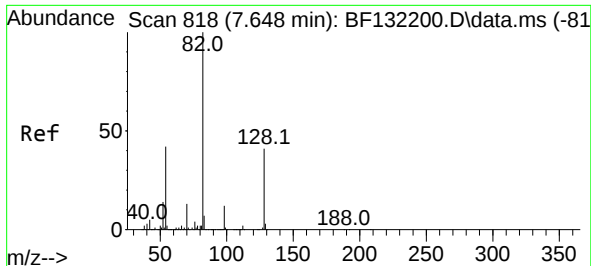


#22  
Acetophenone  
Concen: 45.310 ng  
RT: 7.489 min Scan# 791  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



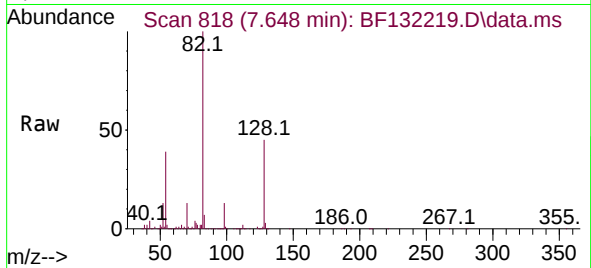
Tgt Ion:105 Resp: 874574  
Ion Ratio Lower Upper  
105 100  
71 8.5 5.7 8.5  
51 20.5 18.1 27.1  
120 22.6 17.5 26.3





#23  
Nitrobenzene-d5  
Concen: 72.452 ng  
RT: 7.648 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

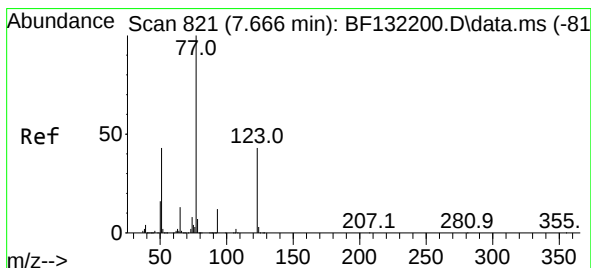
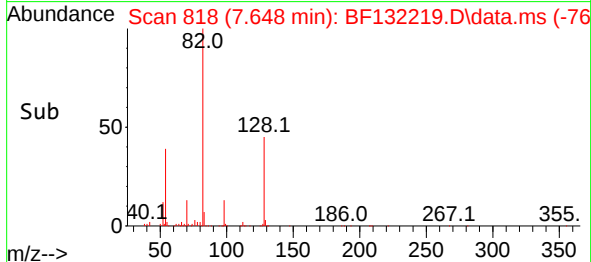
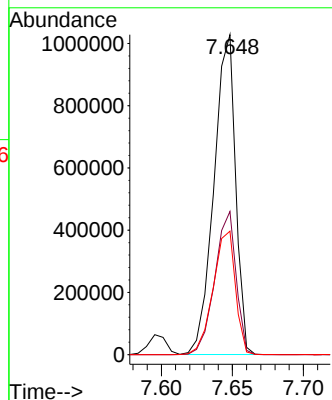


Tgt Ion: 82 Resp: 1092522  
Ion Ratio Lower Upper  
82 100  
128 44.7 32.7 49.1  
54 38.6 33.3 49.9

Manual Integrations  
APPROVED

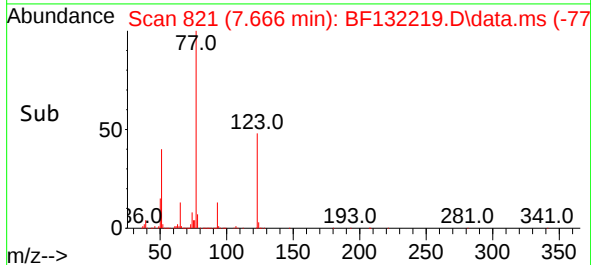
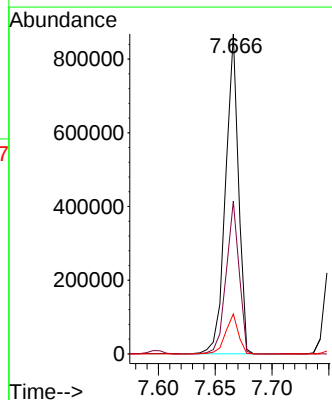
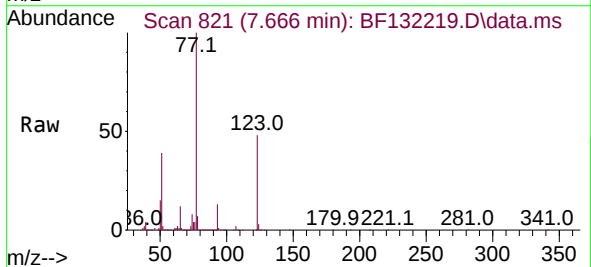
Reviewed By :Christian  
Giraldo  
01/31/2023

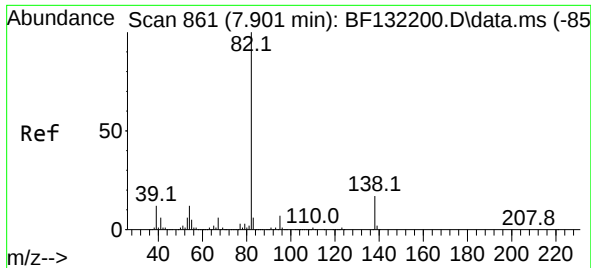
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#24  
Nitrobenzene  
Concen: 43.878 ng  
RT: 7.666 min Scan# 821  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

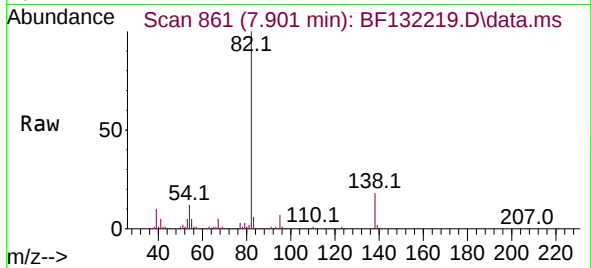
Tgt Ion: 77 Resp: 684063  
Ion Ratio Lower Upper  
77 100  
123 47.7 34.8 52.2  
65 12.5 10.5 15.7





#25  
Isophorone  
Concen: 45.371 ng  
RT: 7.901 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

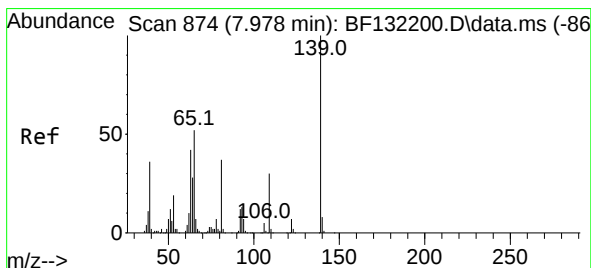
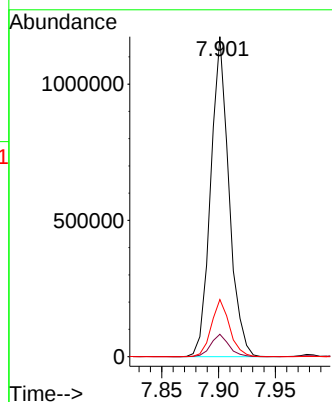
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion: 82 Resp: 1315750  
Ion Ratio Lower Upper  
82 100  
95 7.0 5.6 8.4  
138 17.8 13.4 20.0

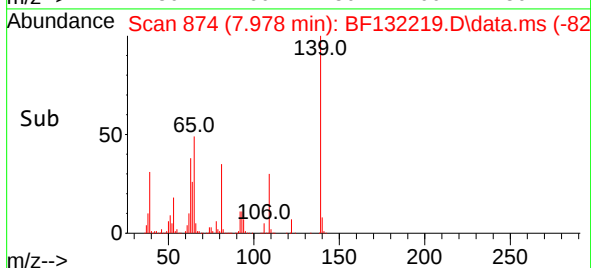
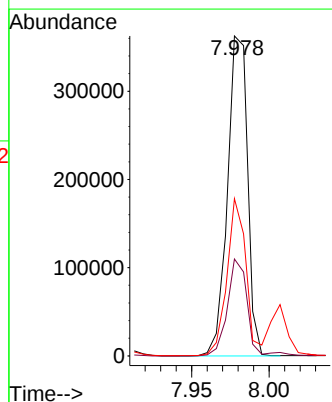
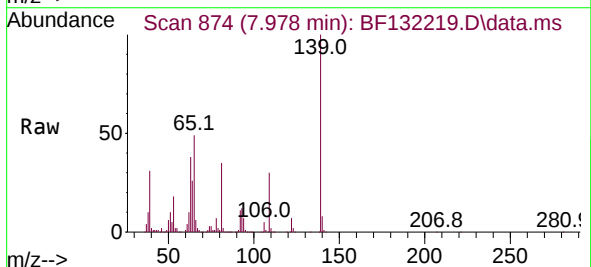
Manual Integrations  
APPROVED

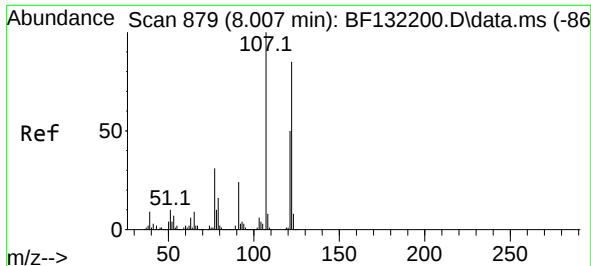
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#26  
2-Nitrophenol  
Concen: 51.776 ng  
RT: 7.978 min Scan# 874  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:139 Resp: 329251  
Ion Ratio Lower Upper  
139 100  
109 30.3 24.2 36.4  
65 49.1 41.6 62.4





#27

2,4-Dimethylphenol

Concen: 48.126 ng

RT: 8.007 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF132219.D

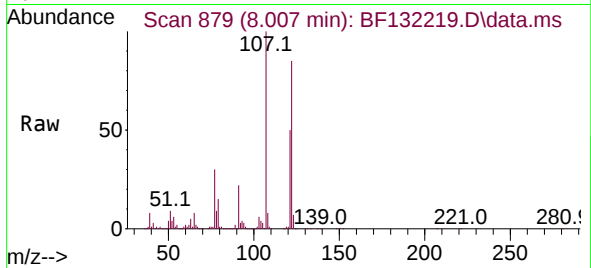
Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD



Tgt Ion:122 Resp: 583630

Ion Ratio Lower Upper

122 100

107 118.0 94.1 141.1

121 59.1 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Christian

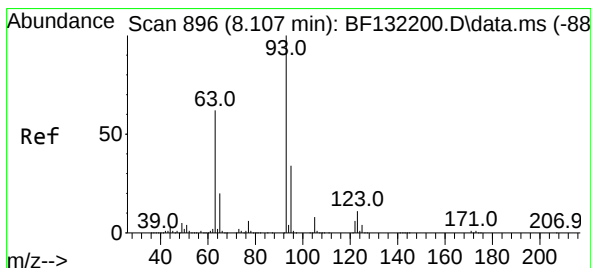
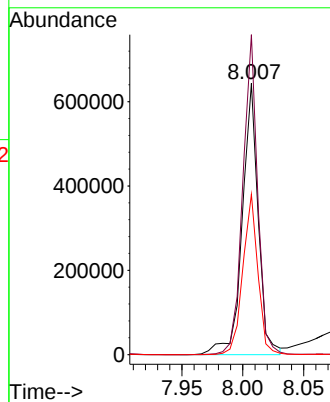
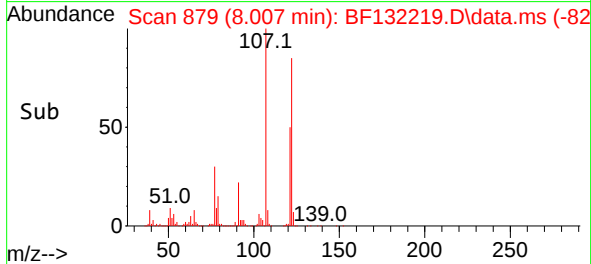
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#28

bis(2-Chloroethoxy)methane

Concen: 45.400 ng

RT: 8.107 min Scan# 896

Delta R.T. 0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

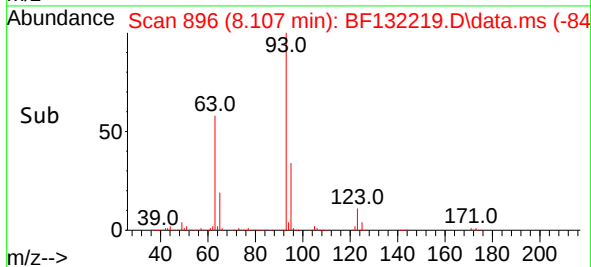
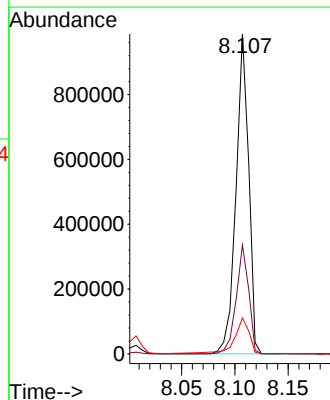
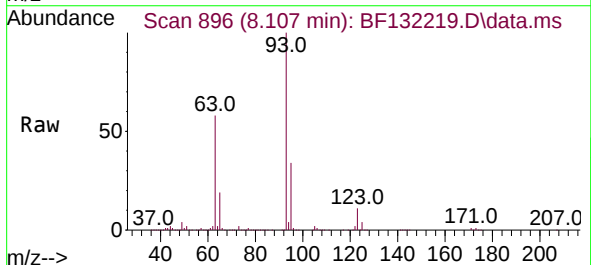
Tgt Ion: 93 Resp: 810589

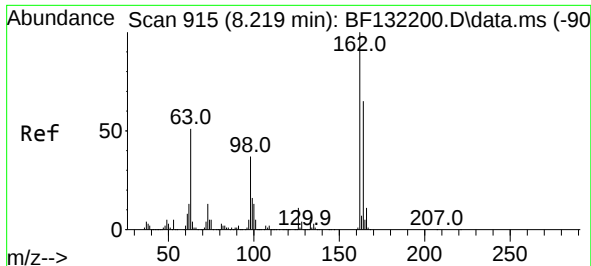
Ion Ratio Lower Upper

93 100

95 34.0 27.0 40.4

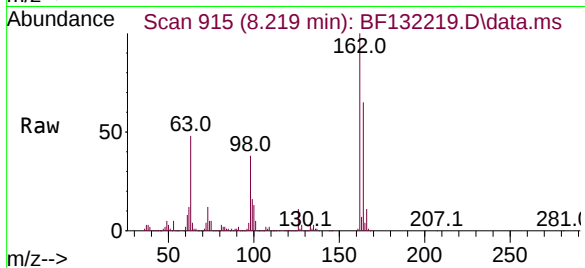
123 11.2 8.9 13.3





#29  
2,4-Dichlorophenol  
Concen: 50.012 ng  
RT: 8.219 min Scan# 915  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

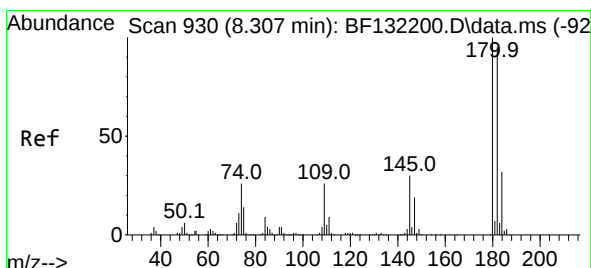
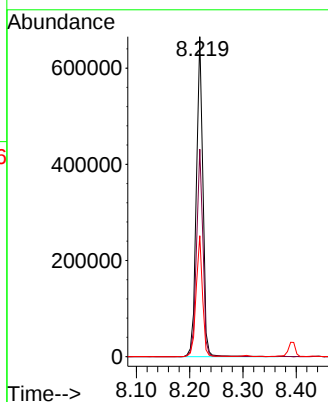
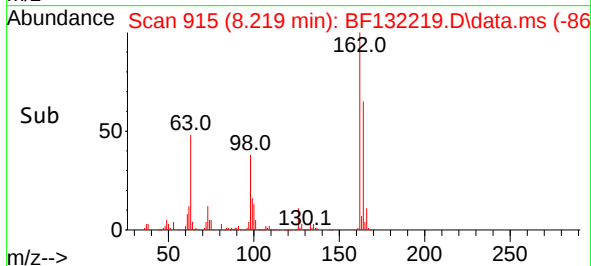
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:162 Resp: 566309  
Ion Ratio Lower Upper  
162 100  
164 64.8 44.6 84.6  
98 37.8 17.3 57.3

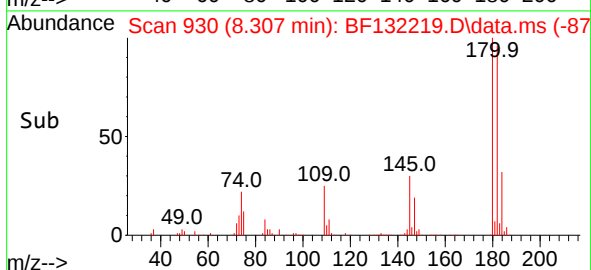
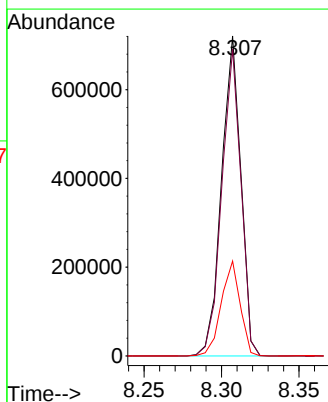
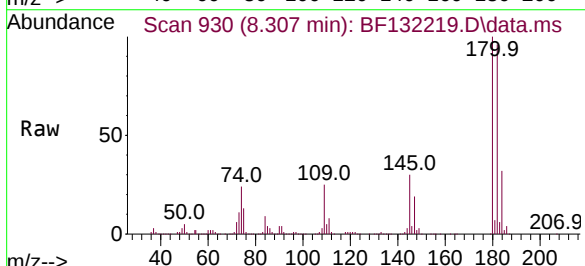
Manual Integrations  
APPROVED

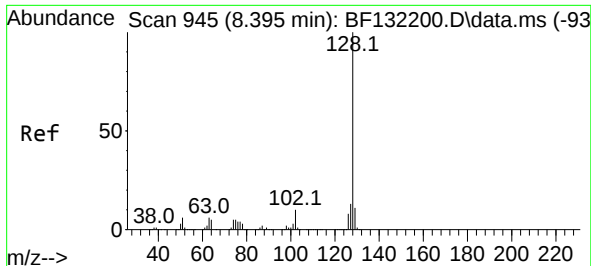
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 47.961 ng  
RT: 8.307 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

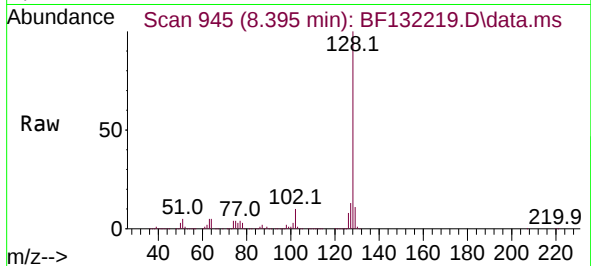
Tgt Ion:180 Resp: 623897  
Ion Ratio Lower Upper  
180 100  
182 95.9 75.7 113.5  
145 29.6 23.9 35.9





#31  
Naphthalene  
Concen: 45.163 ng  
RT: 8.395 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

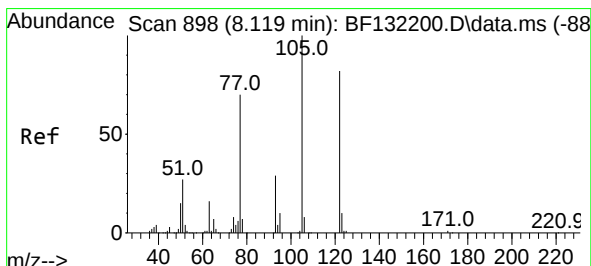
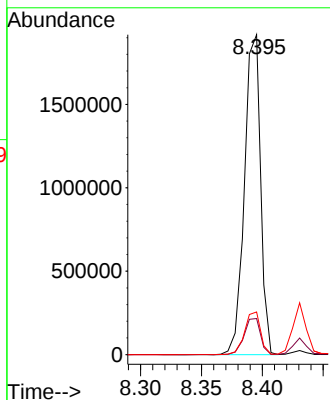
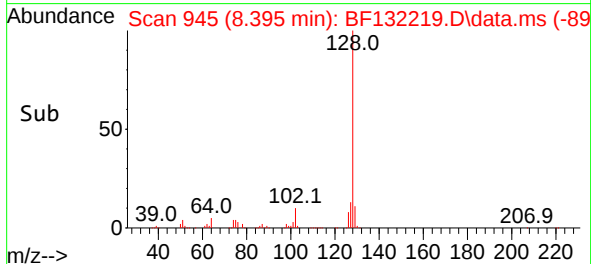
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:128 Resp: 1764096  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.0 13.6  
127 13.3 10.6 16.0

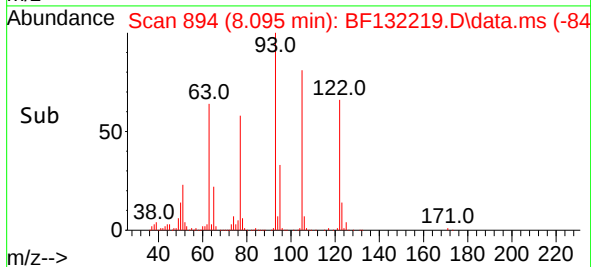
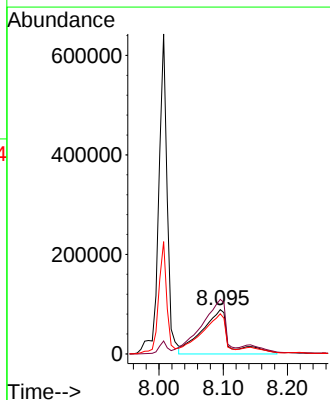
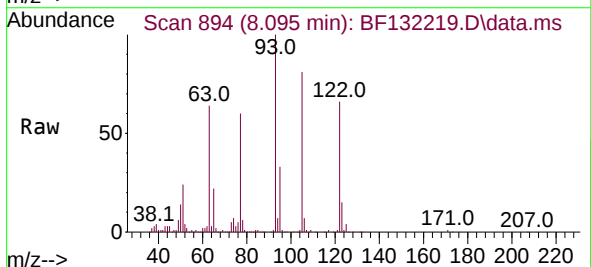
Manual Integrations  
APPROVED

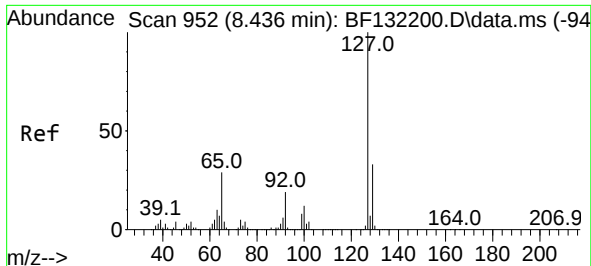
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#32  
Benzoic acid  
Concen: 35.178 ng m  
RT: 8.095 min Scan# 894  
Delta R.T. -0.024 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

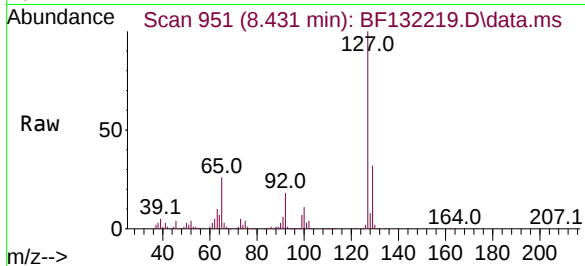
Tgt Ion:122 Resp: 267283  
Ion Ratio Lower Upper  
122 100  
105 123.3 101.5 141.5  
77 90.6 66.5 106.5





#33  
4-Chloroaniline  
Concen: 14.683 ng  
RT: 8.431 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

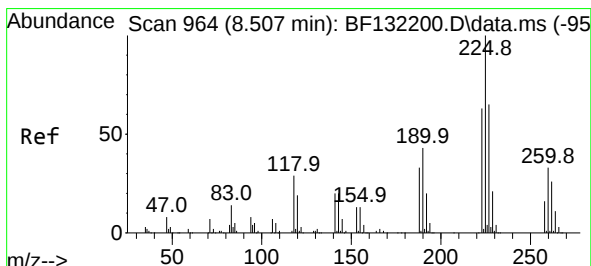
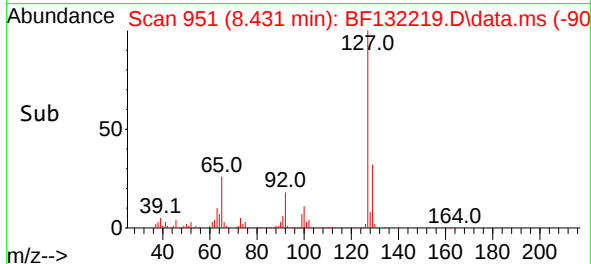
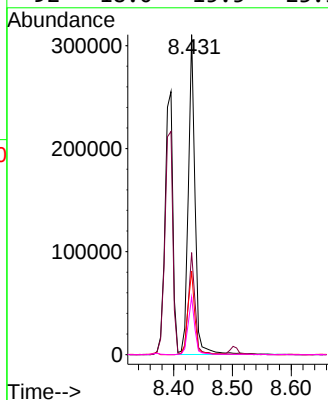
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:127 Resp: 248636  
Ion Ratio Lower Upper  
127 100  
129 31.9 26.6 39.8  
65 26.2 22.9 34.3  
92 18.0 15.5 23.3

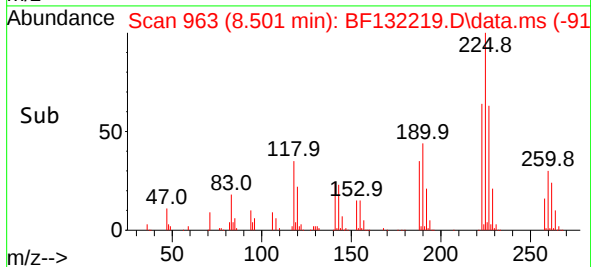
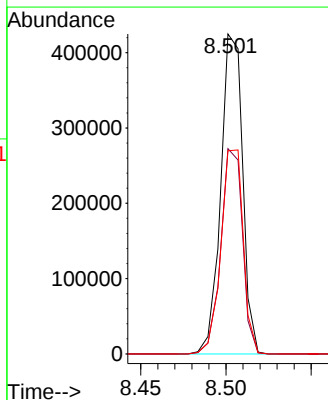
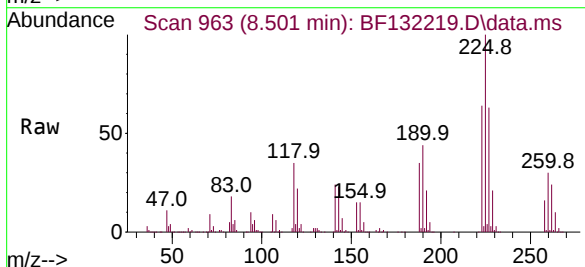
Manual Integrations  
APPROVED

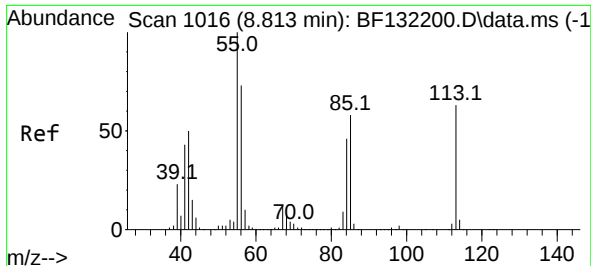
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#34  
Hexachlorobutadiene  
Concen: 46.555 ng  
RT: 8.501 min Scan# 963  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

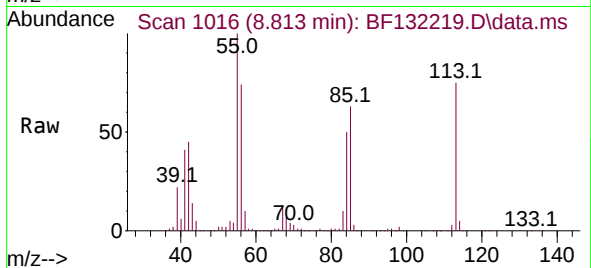
Tgt Ion:225 Resp: 378306  
Ion Ratio Lower Upper  
225 100  
223 64.1 50.2 75.2  
227 63.5 52.1 78.1





#35  
Caprolactam  
Concen: 56.246 ng m  
RT: 8.813 min Scan# 1016  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

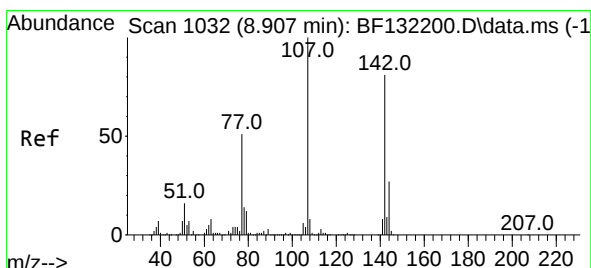
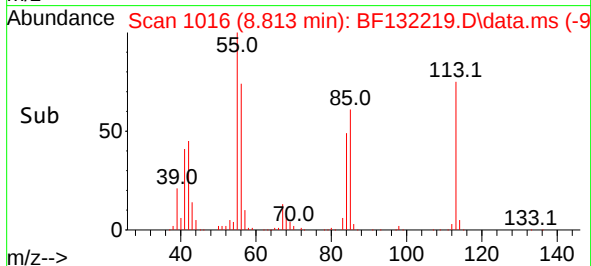
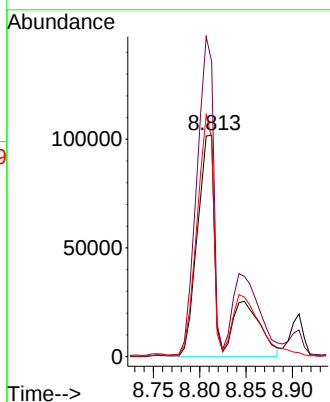
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:113 Resp: 180330  
Ion Ratio Lower Upper  
113 100  
55 133.3 138.7 178.7  
56 98.8 96.5 136.5

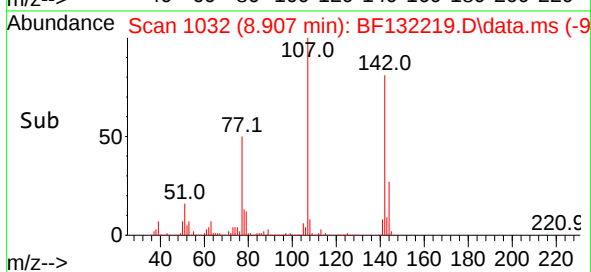
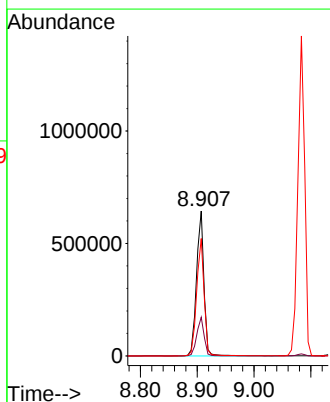
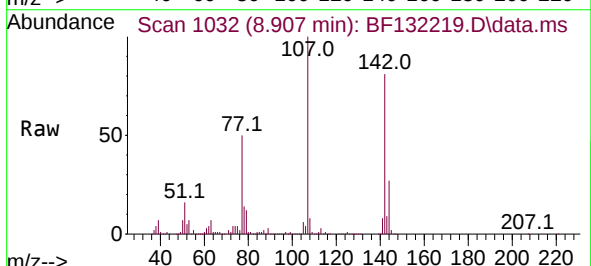
Manual Integrations  
APPROVED

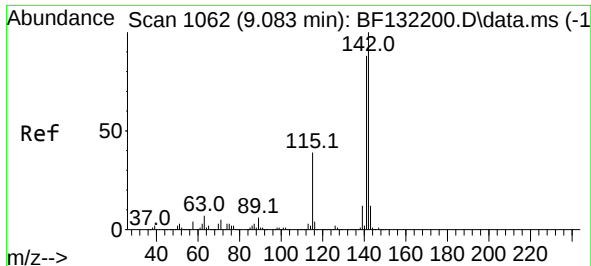
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#36  
4-Chloro-3-methylphenol  
Concen: 50.161 ng  
RT: 8.907 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:107 Resp: 581649  
Ion Ratio Lower Upper  
107 100  
144 26.7 21.6 32.4  
142 81.1 64.8 97.2





#37

2-Methylnaphthalene

Concen: 44.832 ng

RT: 9.083 min Scan# 1062

Delta R.T. 0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD

Tgt Ion:142 Resp: 1201513

Ion Ratio Lower Upper

142 100

141 87.7 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Christian

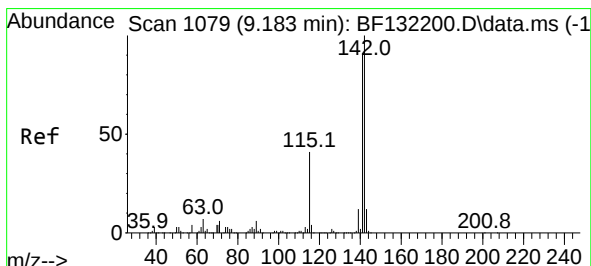
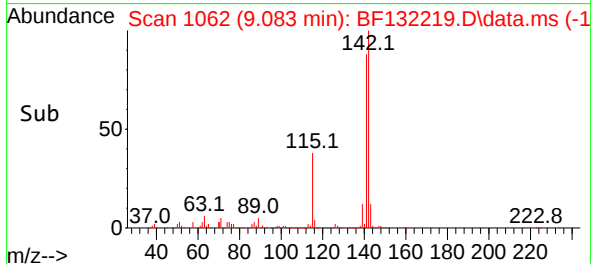
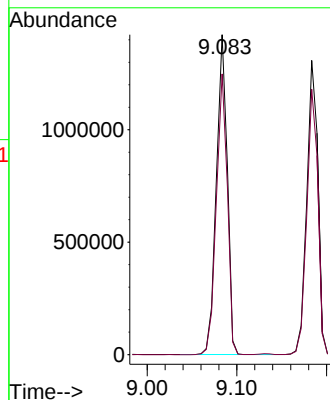
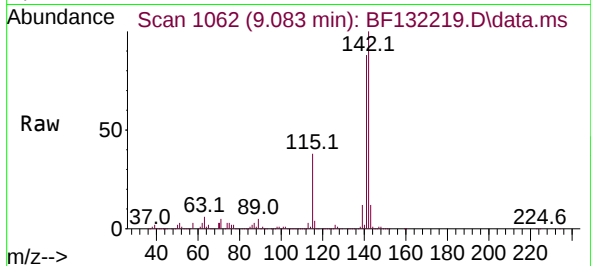
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#38

1-Methylnaphthalene

Concen: 45.345 ng

RT: 9.183 min Scan# 1079

Delta R.T. 0.000 min

Lab File: BF132219.D

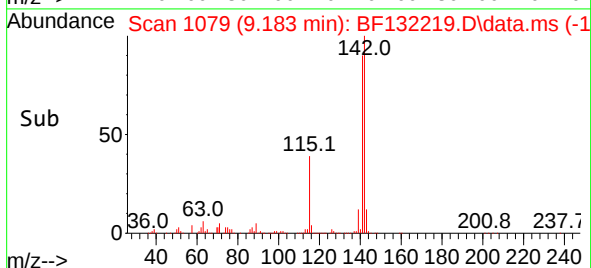
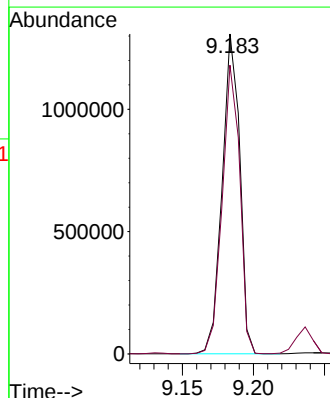
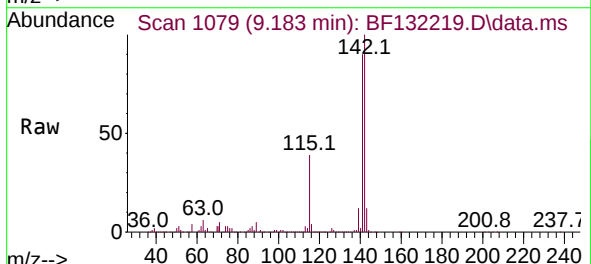
Acq: 30 Jan 2023 19:40

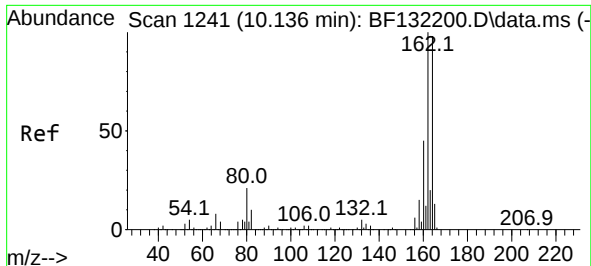
Tgt Ion:142 Resp: 1127339

Ion Ratio Lower Upper

142 100

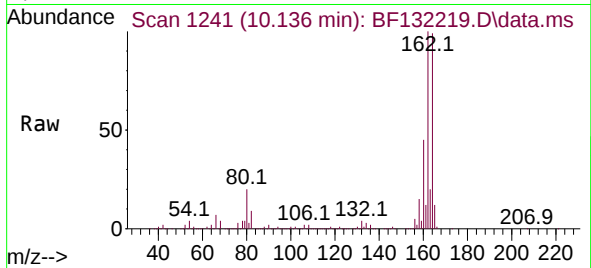
141 90.2 73.0 109.4





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.136 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

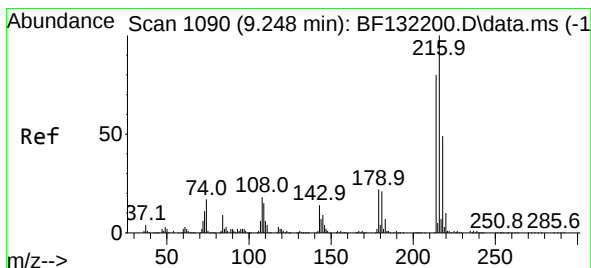
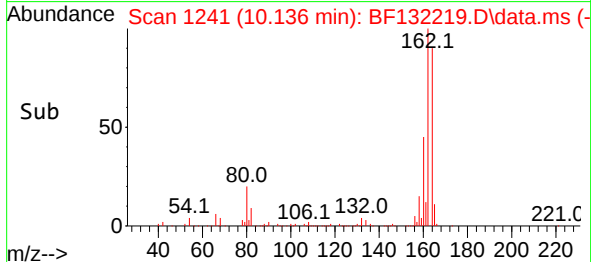
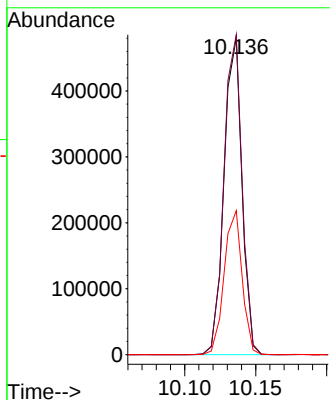
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:164 Resp: 421759  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.5 122.3  
160 45.5 37.0 55.4

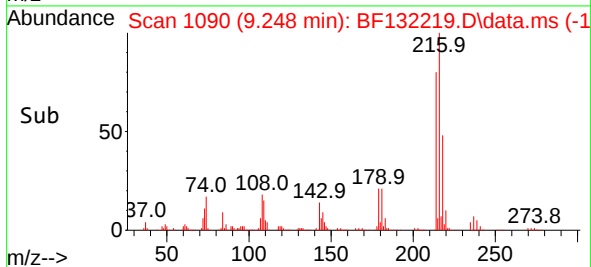
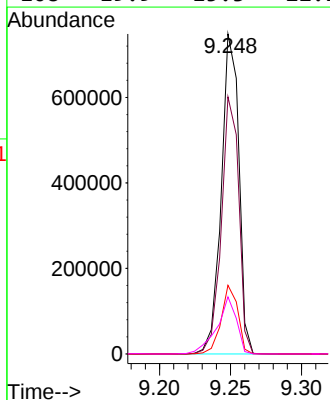
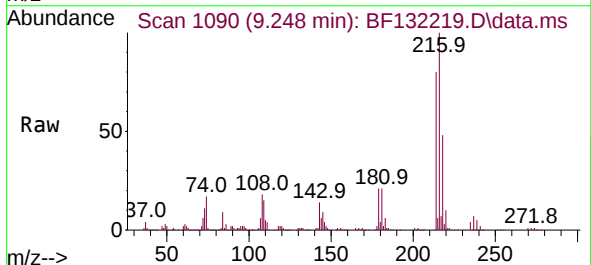
Manual Integrations  
APPROVED

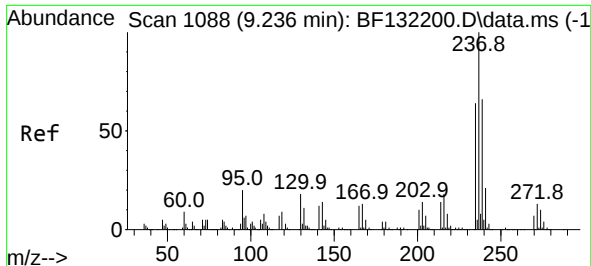
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.441 ng  
RT: 9.248 min Scan# 1090  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

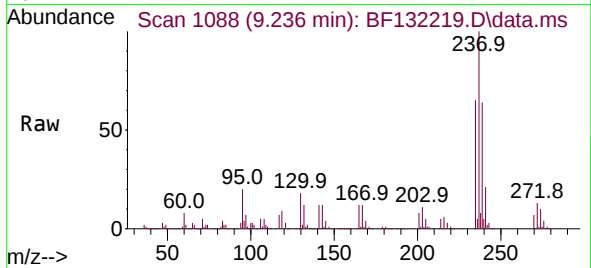
Tgt Ion:216 Resp: 643187  
Ion Ratio Lower Upper  
216 100  
214 79.5 63.4 95.2  
179 20.4 16.8 25.2  
108 19.9 15.3 22.9





#41  
Hexachlorocyclopentadiene  
Concen: 107.297 ng  
RT: 9.236 min Scan# 1088  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

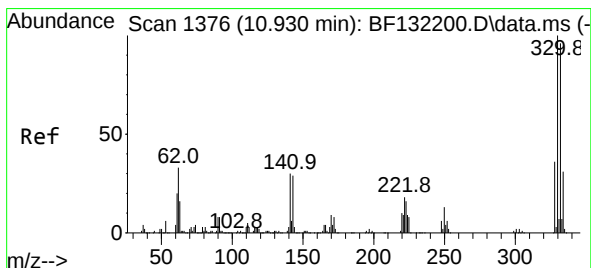
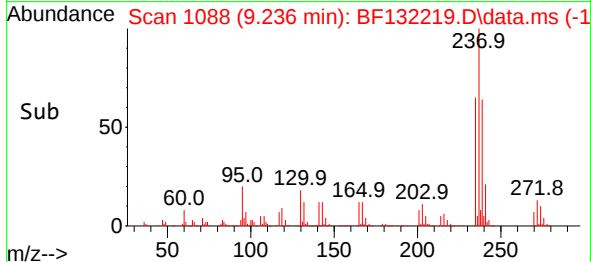
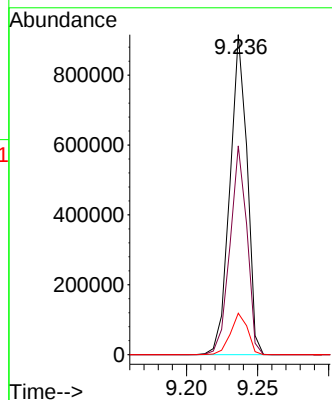
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion: 237 Resp: 771400  
Ion Ratio Lower Upper  
237 100  
235 65.2 43.9 83.9  
272 12.9 0.0 32.6

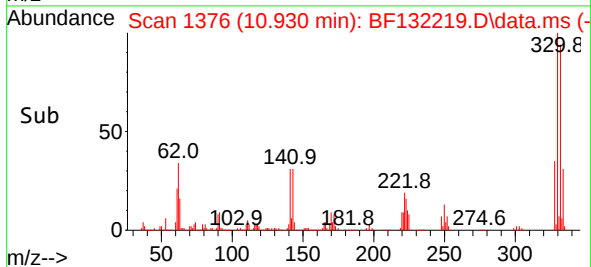
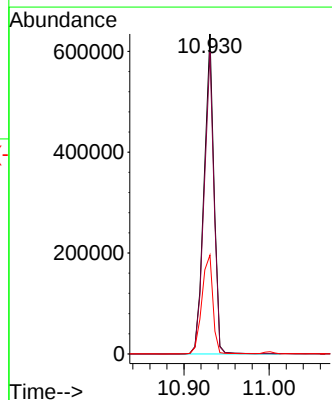
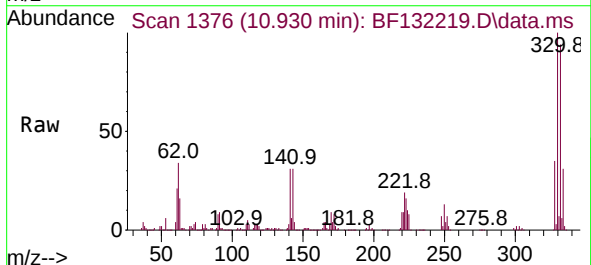
Manual Integrations  
APPROVED

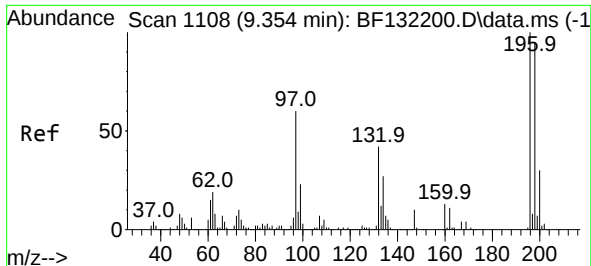
Reviewed By : Christian  
Giraldo  
01/31/2023  
Supervised By : Jagrut  
Upadhyay  
01/31/2023



#42  
2,4,6-Tribromophenol  
Concen: 131.039 ng  
RT: 10.930 min Scan# 1376  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion: 330 Resp: 511763  
Ion Ratio Lower Upper  
330 100  
332 94.5 75.7 113.5  
141 34.3 30.7 46.1





#43

2,4,6-Trichlorophenol

Concen: 50.865 ng

RT: 9.354 min Scan# 1108

Delta R.T. 0.000 min

Lab File: BF132219.D

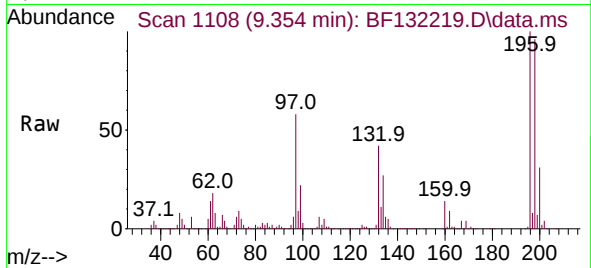
Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD

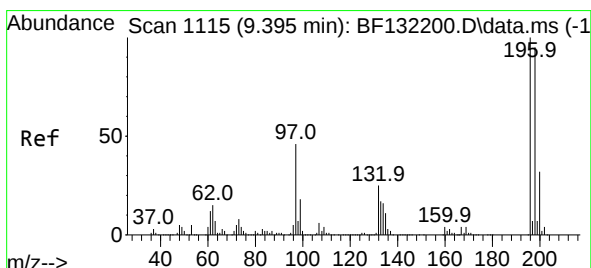
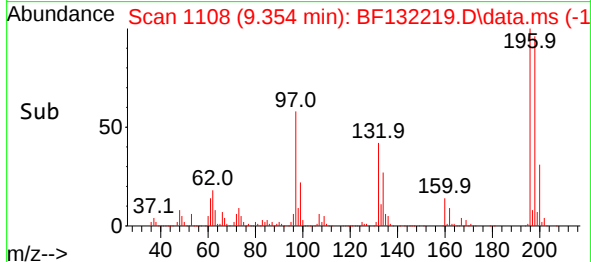
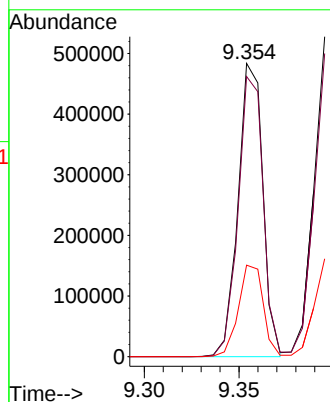


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 439293 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 95.6  | 76.2  | 114.2  |
| 200       | 31.2  | 24.0  | 36.0   |

Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo  
01/31/2023

Supervised By :Jagrit  
Upadhyay  
01/31/2023



#44

2,4,5-Trichlorophenol

Concen: 46.920 ng

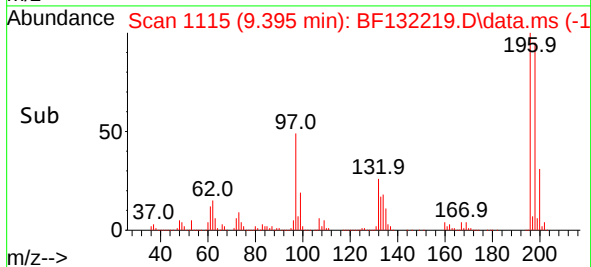
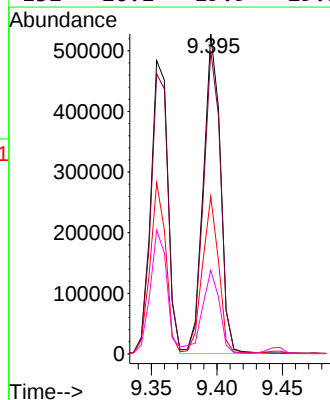
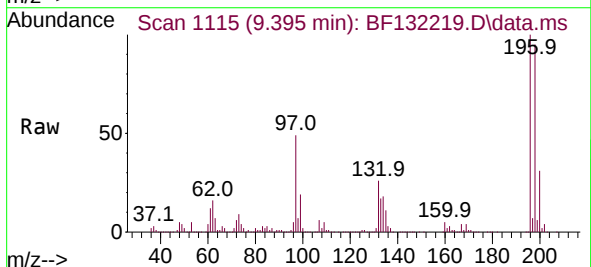
RT: 9.395 min Scan# 1115

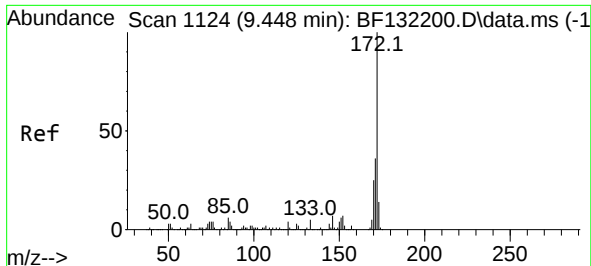
Delta R.T. 0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

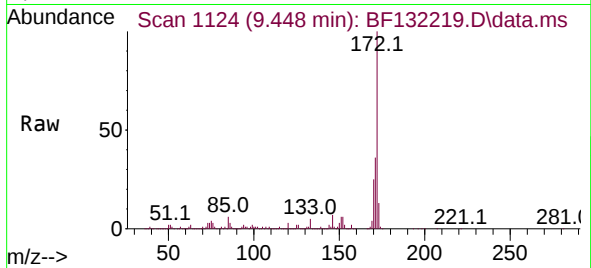
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 196   | Resp: | 474546 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 94.7  | 75.8  | 113.6  |
| 97        | 49.2  | 37.1  | 55.7   |
| 132       | 26.1  | 19.9  | 29.9   |





#45  
2-Fluorobiphenyl  
Concen: 65.519 ng  
RT: 9.448 min Scan# 1124  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

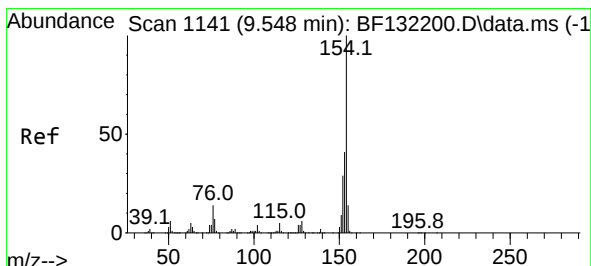
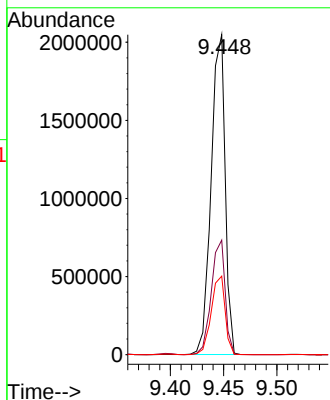
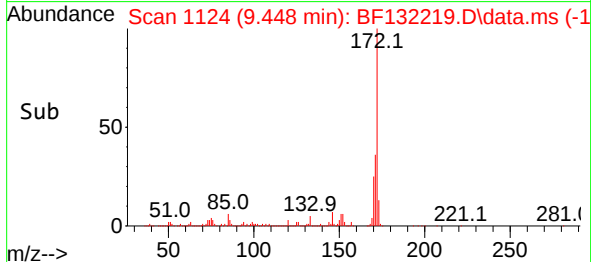
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:172 Resp: 1877973  
Ion Ratio Lower Upper  
172 100  
171 35.8 29.0 43.6  
170 24.5 20.2 30.4

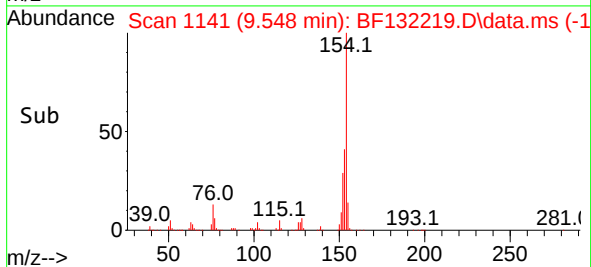
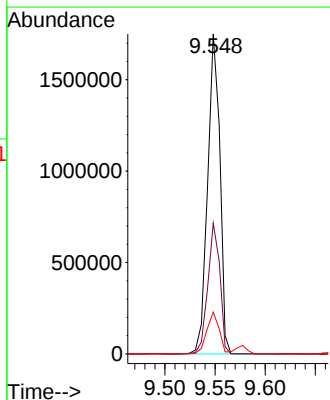
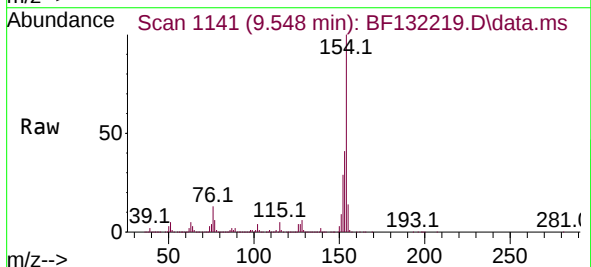
Manual Integrations  
APPROVED

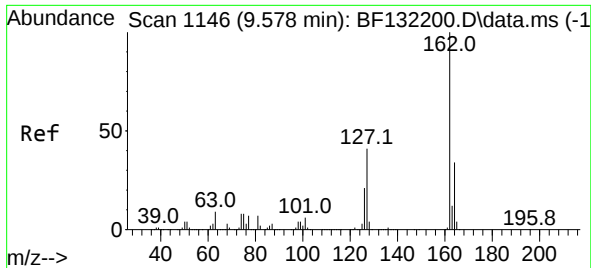
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#46  
1,1'-Biphenyl  
Concen: 45.438 ng  
RT: 9.548 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

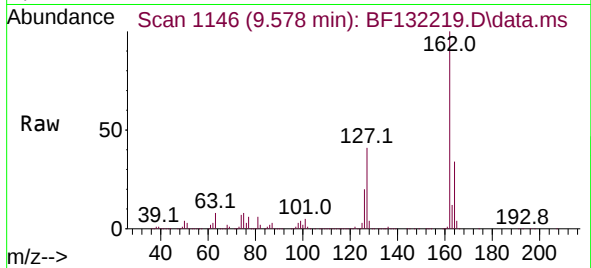
Tgt Ion:154 Resp: 1476863  
Ion Ratio Lower Upper  
154 100  
153 40.9 20.6 60.6  
76 13.0 0.0 34.2





#47  
2-Chloronaphthalene  
Concen: 46.285 ng  
RT: 9.578 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

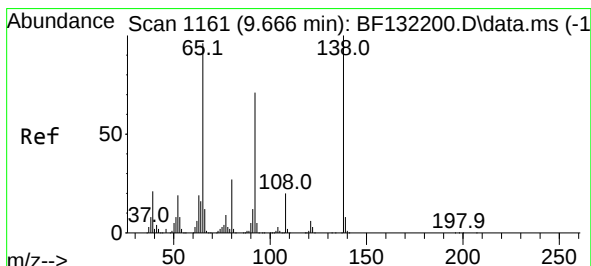
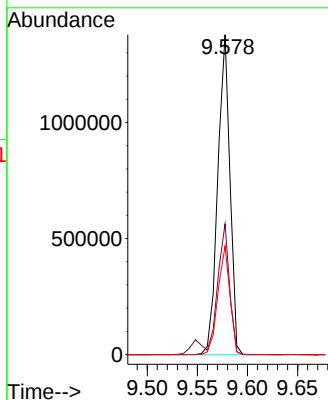
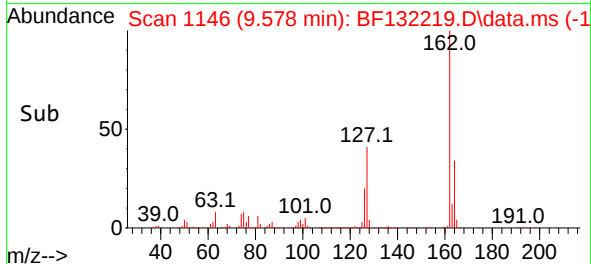
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion: 162 Resp: 1167642  
Ion Ratio Lower Upper  
162 100  
127 40.9 32.7 49.1  
164 33.9 27.3 40.9

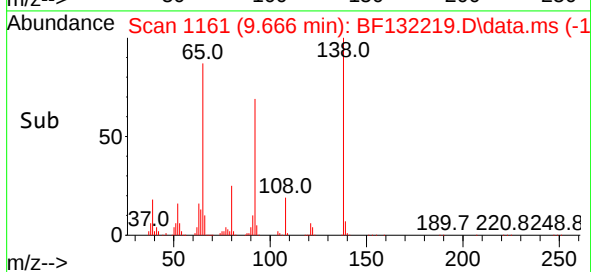
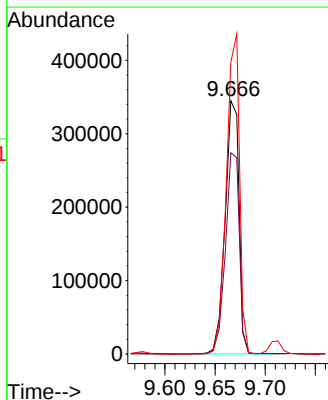
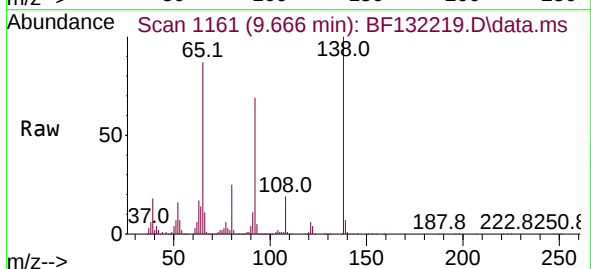
Manual Integrations  
APPROVED

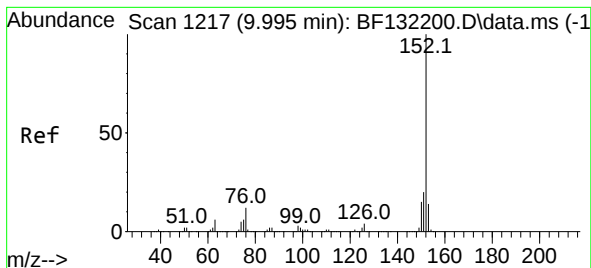
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#48  
2-Nitroaniline  
Concen: 49.069 ng  
RT: 9.666 min Scan# 1161  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion: 65 Resp: 332441  
Ion Ratio Lower Upper  
65 100  
92 79.4 59.2 88.8  
138 115.3 83.7 125.5





#49

Acenaphthylene

Concen: 46.232 ng

RT: 9.995 min Scan# 1217

Delta R.T. 0.000 min

Lab File: BF132219.D

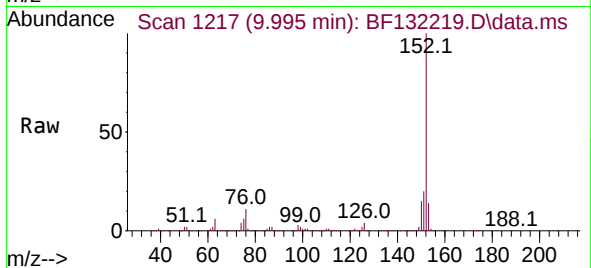
Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD



Tgt Ion:152 Resp: 181207

Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

153 14.1 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Christian

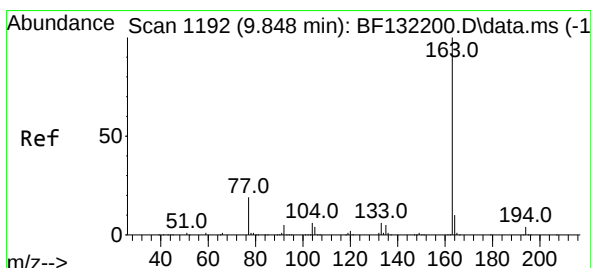
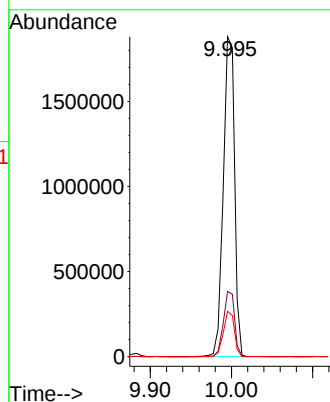
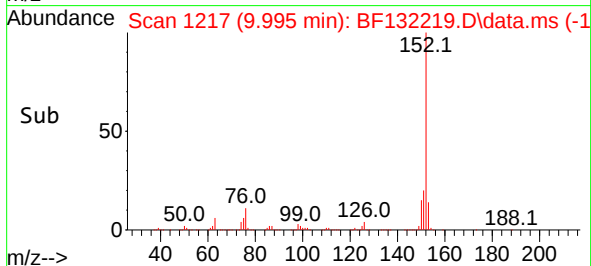
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#50

Dimethylphthalate

Concen: 48.034 ng

RT: 9.848 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

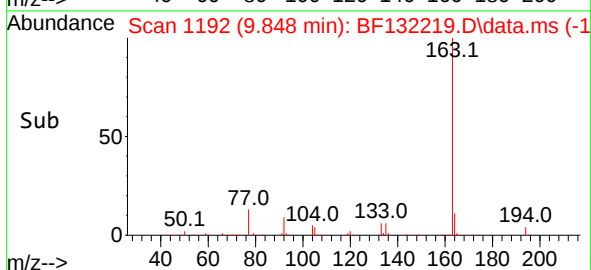
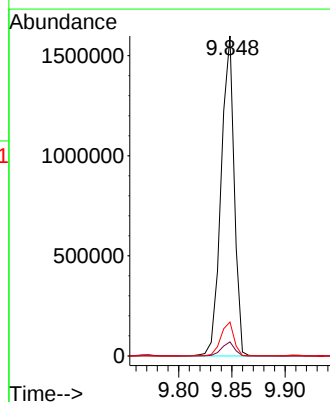
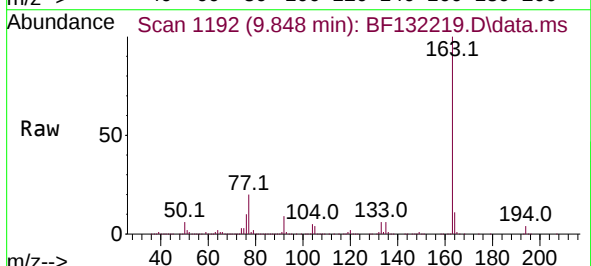
Tgt Ion:163 Resp: 1374888

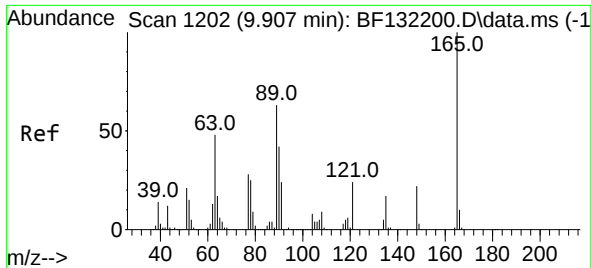
Ion Ratio Lower Upper

163 100

194 4.4 3.3 4.9

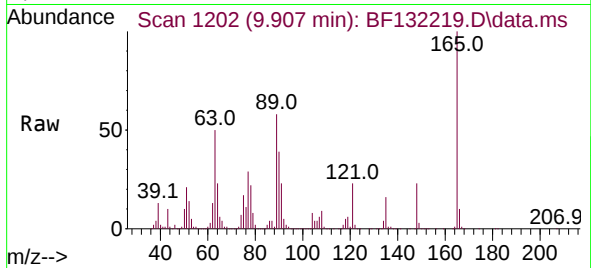
164 10.6 8.3 12.5





#51  
2,6-Dinitrotoluene  
Concen: 52.514 ng  
RT: 9.907 min Scan# 1202  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument : BNA\_F  
ClientSampleId : TJRC-011923-B4-20-30MSD

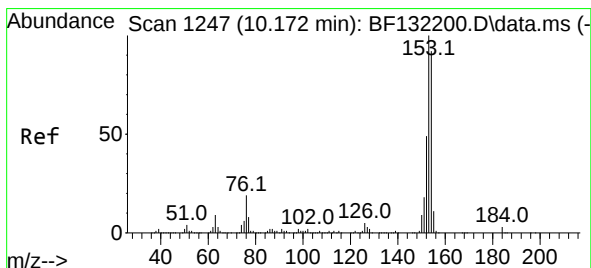
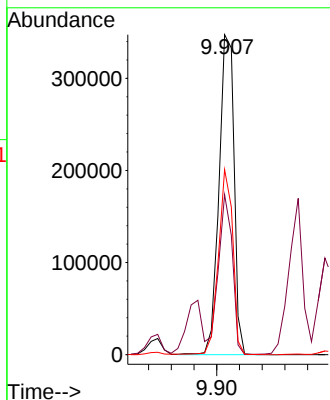
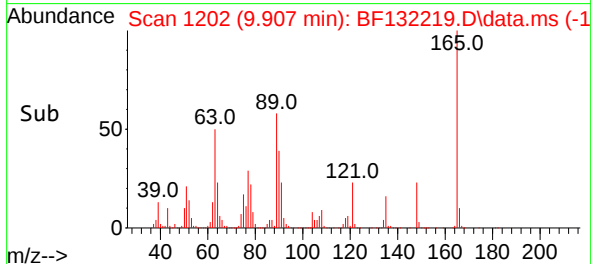


Tgt Ion:165 Resp: 319329  
Ion Ratio Lower Upper  
165 100  
63 50.0 46.1 69.1  
89 57.8 50.3 75.5

Manual Integrations  
APPROVED

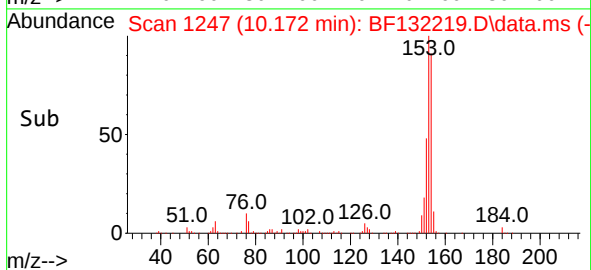
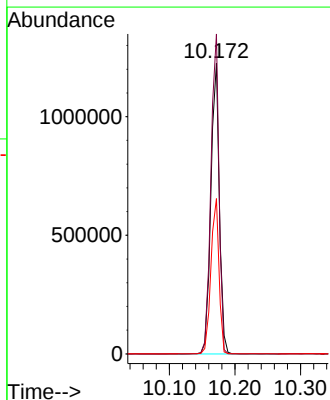
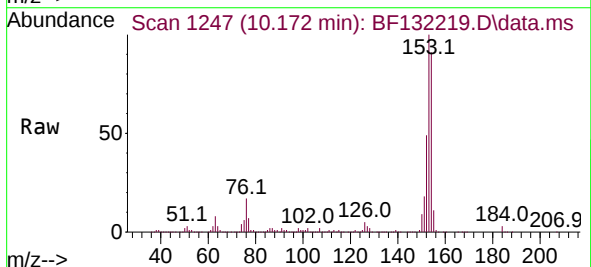
Reviewed By :Christian  
Giraldo  
01/31/2023

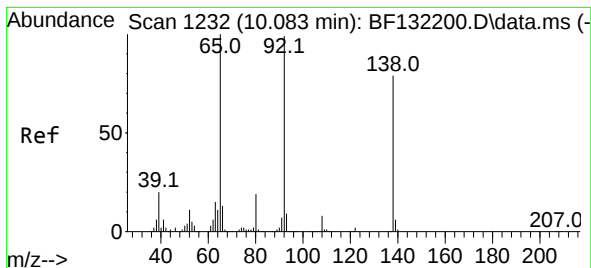
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#52  
Acenaphthene  
Concen: 45.639 ng  
RT: 10.172 min Scan# 1247  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

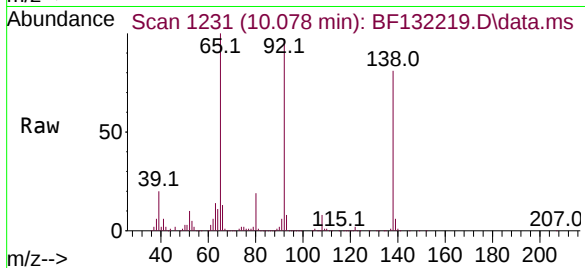
Tgt Ion:154 Resp: 1099834  
Ion Ratio Lower Upper  
154 100  
153 110.1 87.3 130.9  
152 53.4 43.2 64.8





#53  
3-Nitroaniline  
Concen: 32.202 ng  
RT: 10.078 min Scan# 1232  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

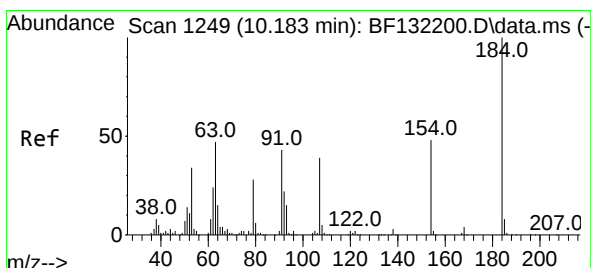
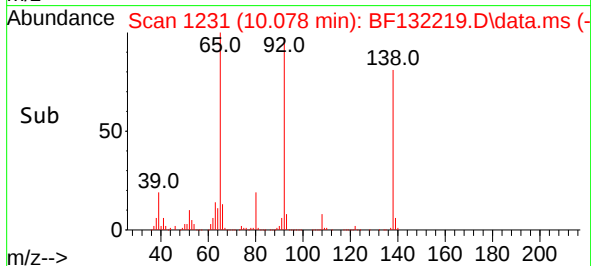
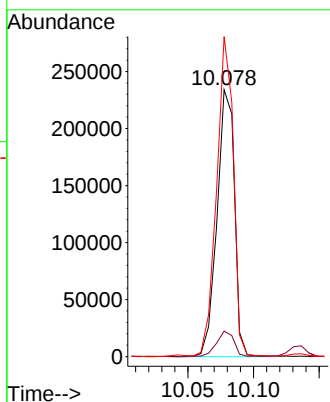
Instrument : BNA\_F  
ClientSampleId : TJRC-011923-B4-20-30MSD



Tgt Ion:138 Resp: 216682  
Ion Ratio Lower Upper  
138 100  
108 9.5 8.1 12.1  
92 119.9 100.2 150.2

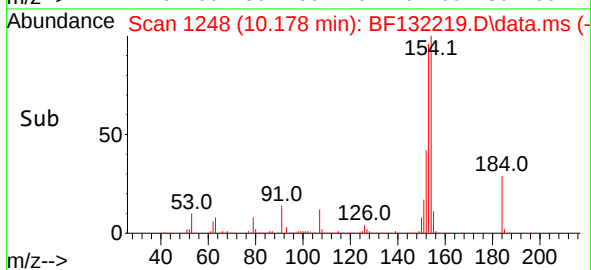
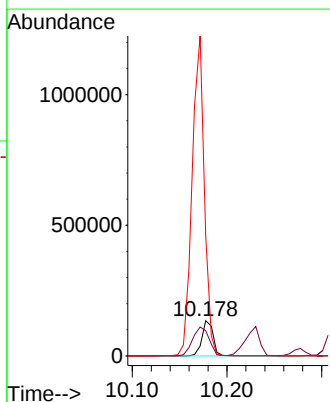
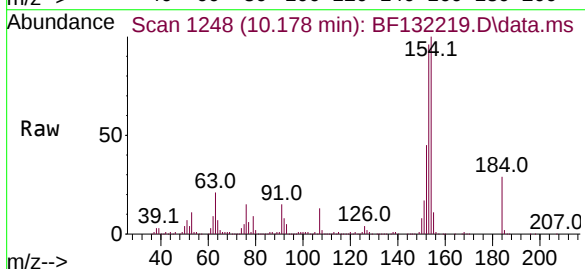
Manual Integrations  
APPROVED

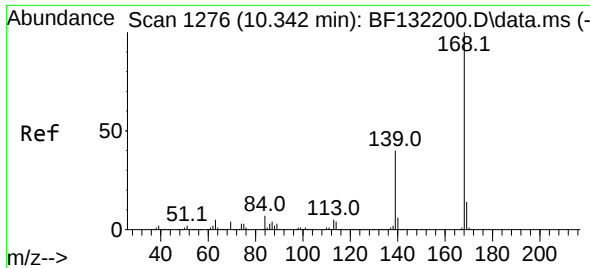
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#54  
2,4-Dinitrophenol  
Concen: 38.874 ng  
RT: 10.178 min Scan# 1248  
Delta R.T. -0.005 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

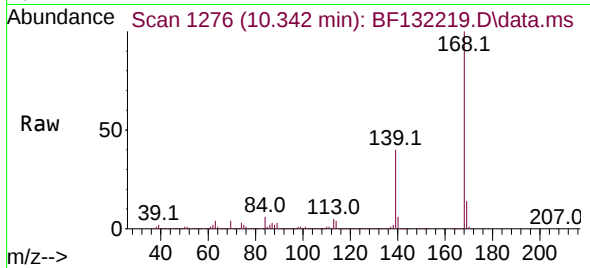
Tgt Ion:184 Resp: 109805  
Ion Ratio Lower Upper  
184 100  
63 72.1 39.8 59.6#  
154 341.6 54.2 81.2#





#55  
Dibenzofuran  
Concen: 45.704 ng  
RT: 10.342 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

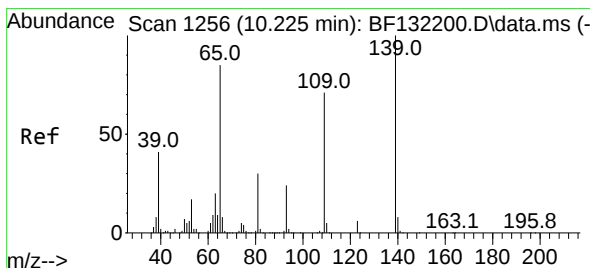
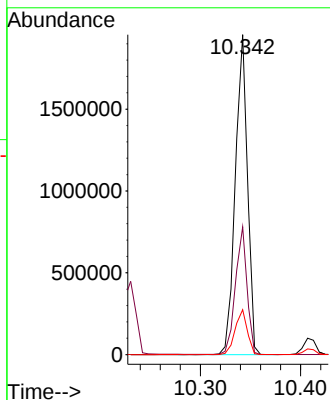
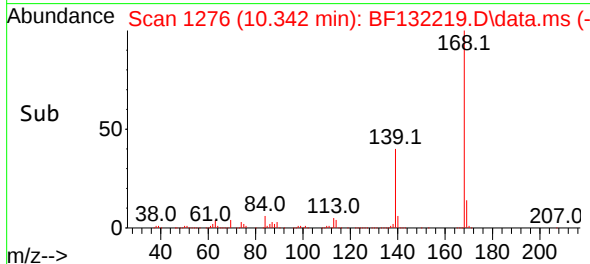
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:168 Resp: 1650052  
Ion Ratio Lower Upper  
168 100  
139 39.9 31.7 47.5  
169 14.0 11.1 16.7

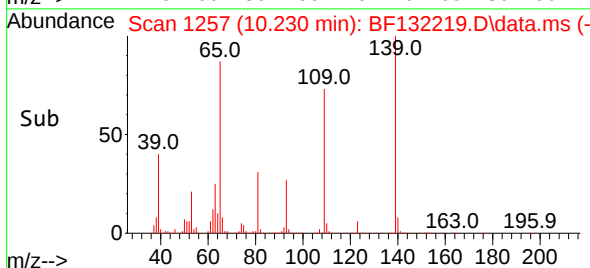
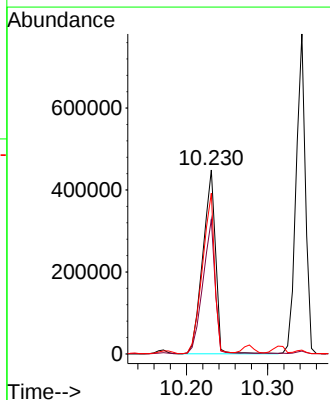
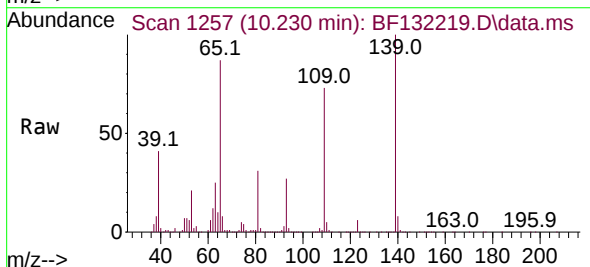
Manual Integrations  
APPROVED

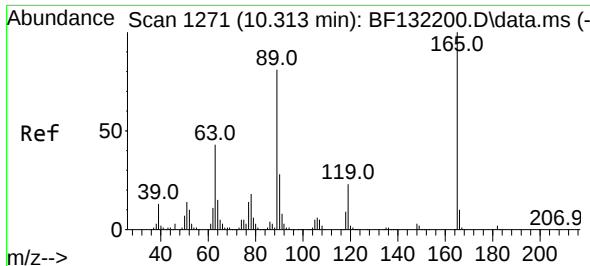
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#56  
4-Nitrophenol  
Concen: 100.959 ng  
RT: 10.230 min Scan# 1257  
Delta R.T. 0.005 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

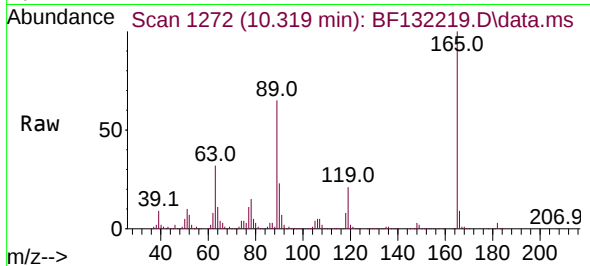
Tgt Ion:139 Resp: 490813  
Ion Ratio Lower Upper  
139 100  
109 73.1 50.8 90.8  
65 87.4 65.5 105.5





#57  
2,4-Dinitrotoluene  
Concen: 55.296 ng  
RT: 10.319 min Scan# 1271  
Delta R.T. 0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

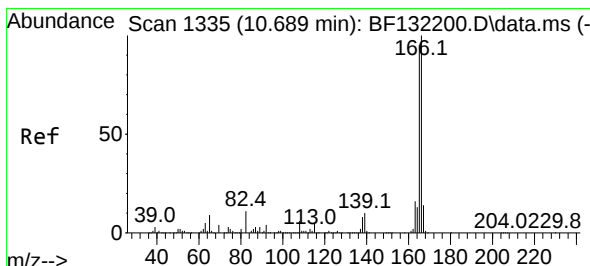
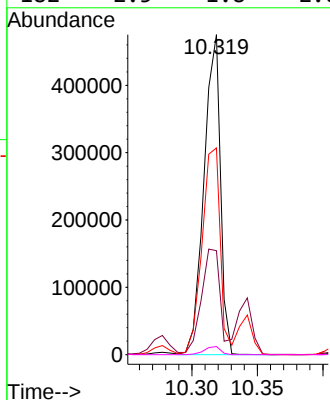
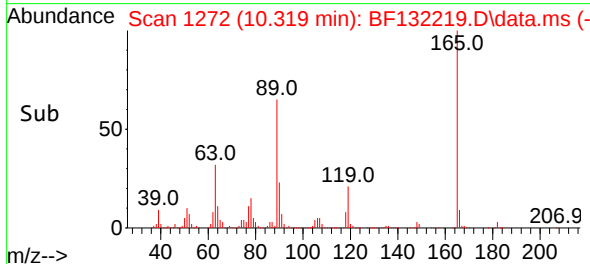


Tgt Ion:165 Resp: 413958  
Ion Ratio Lower Upper  
165 100  
63 32.5 34.2 51.2  
89 64.6 65.1 97.7  
182 2.5 1.8 2.6

Manual Integrations  
APPROVED

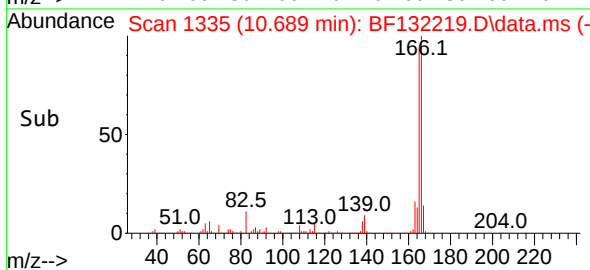
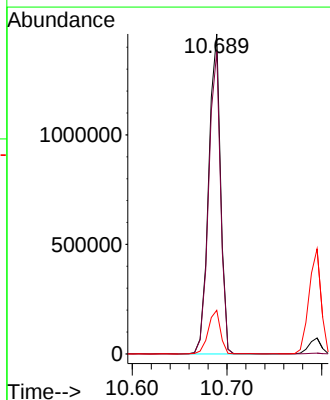
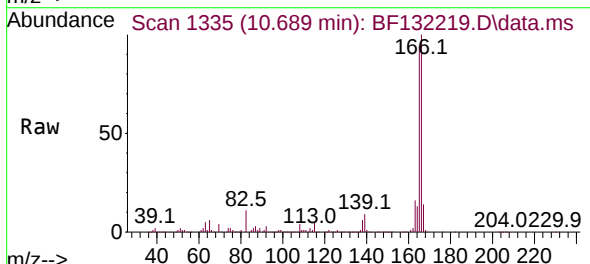
Reviewed By :Christian  
Giraldo  
01/31/2023

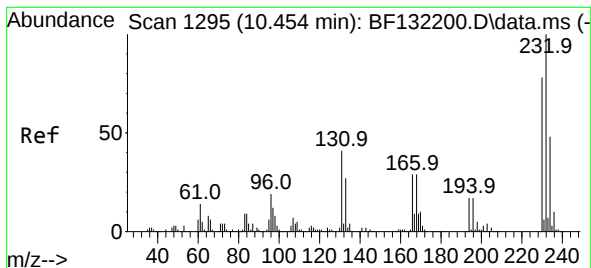
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#58  
Fluorene  
Concen: 46.390 ng  
RT: 10.689 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

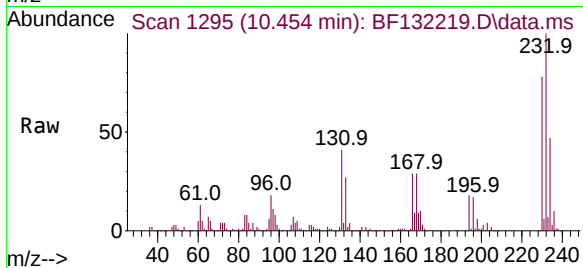
Tgt Ion:166 Resp: 1279266  
Ion Ratio Lower Upper  
166 100  
165 94.4 76.3 114.5  
167 13.6 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 53.232 ng  
RT: 10.454 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

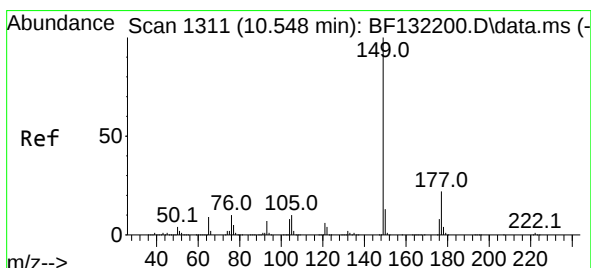
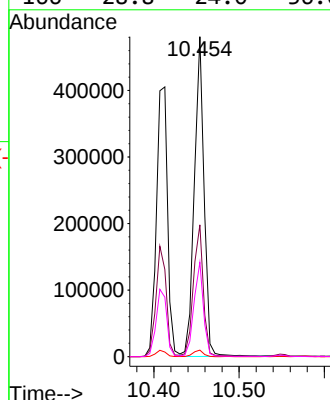
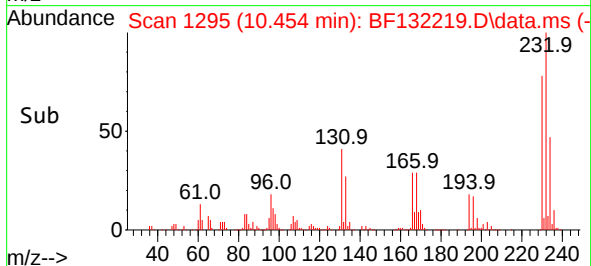


Tgt Ion:232 Resp: 382546  
Ion Ratio Lower Upper  
232 100  
131 41.9 35.1 52.7  
130 2.1 1.7 2.5  
166 28.8 24.0 36.0

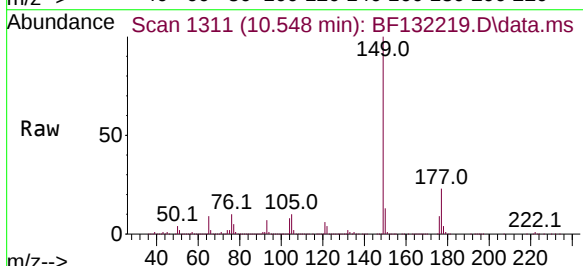
Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo  
01/31/2023

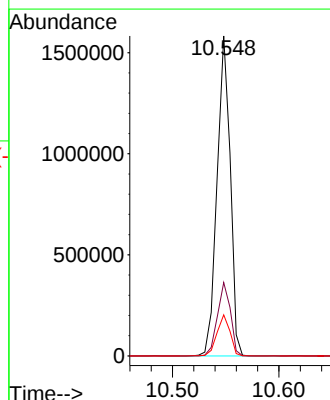
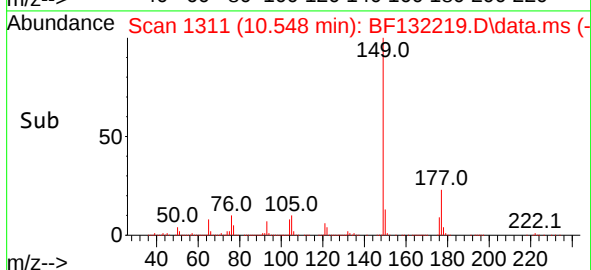
Supervised By :Jagrit  
Upadhyay  
01/31/2023

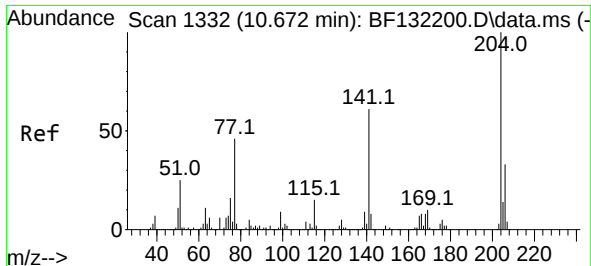


#60  
Diethylphthalate  
Concen: 48.739 ng  
RT: 10.548 min Scan# 1311  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



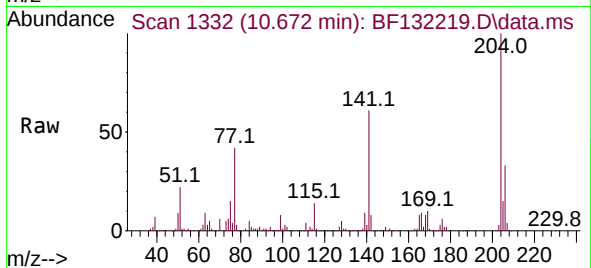
Tgt Ion:149 Resp: 1359887  
Ion Ratio Lower Upper  
149 100  
177 22.9 17.9 26.9  
150 12.8 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 46.964 ng  
RT: 10.672 min Scan# 1332  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

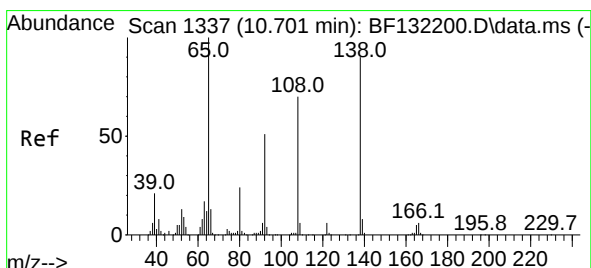
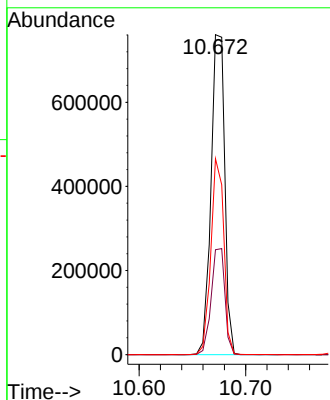
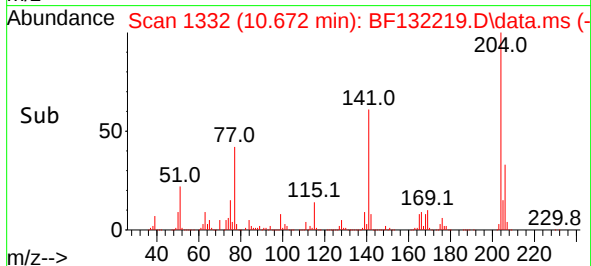
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:204 Resp: 683186  
Ion Ratio Lower Upper  
204 100  
206 32.8 26.5 39.7  
141 61.2 49.2 73.8

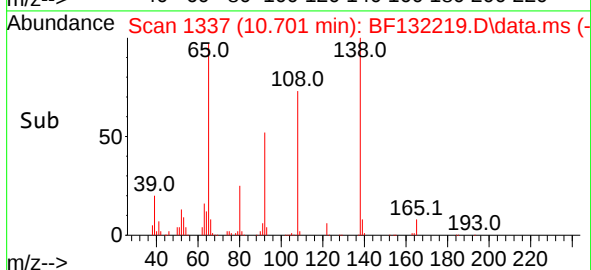
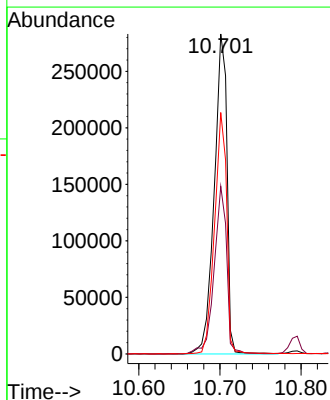
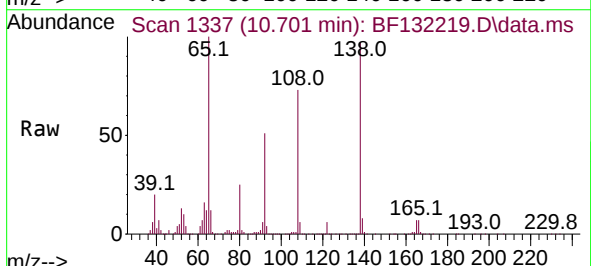
Manual Integrations  
APPROVED

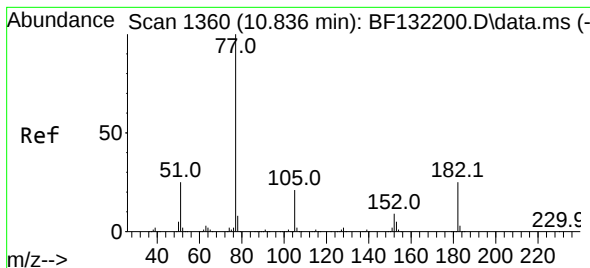
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#62  
4-Nitroaniline  
Concen: 48.736 ng  
RT: 10.701 min Scan# 1337  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

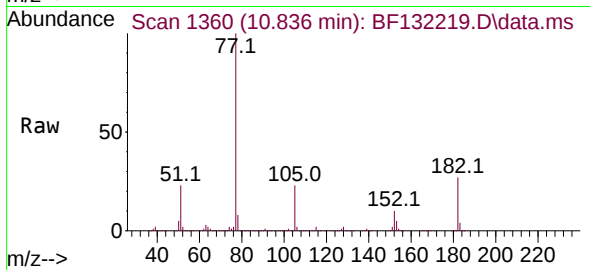
Tgt Ion:138 Resp: 307695  
Ion Ratio Lower Upper  
138 100  
92 52.4 36.0 76.0  
108 75.4 57.9 97.9





#63  
Azobenzene  
Concen: 50.125 ng  
RT: 10.836 min Scan# 1360  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

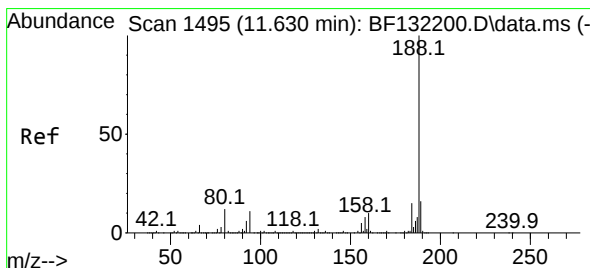
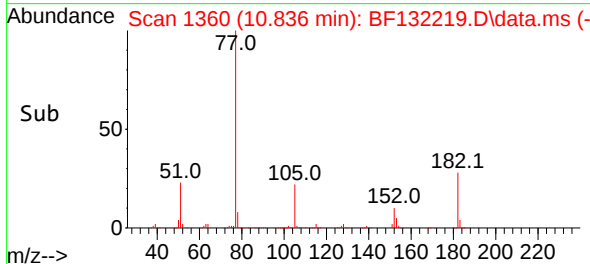
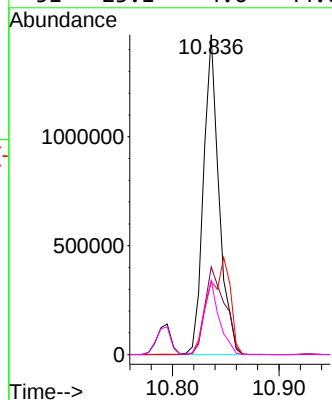


Tgt Ion: 77 Resp: 1475955  
Ion Ratio Lower Upper  
77 100  
182 27.4 4.7 44.7  
105 22.8 1.1 41.1  
51 23.1 4.6 44.6

Manual Integrations  
APPROVED

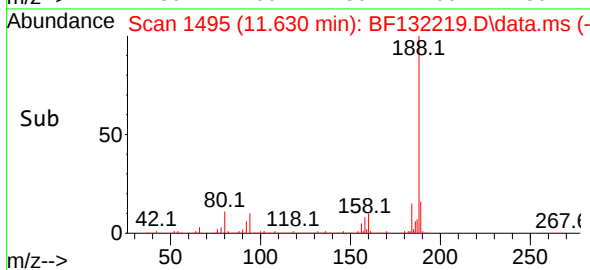
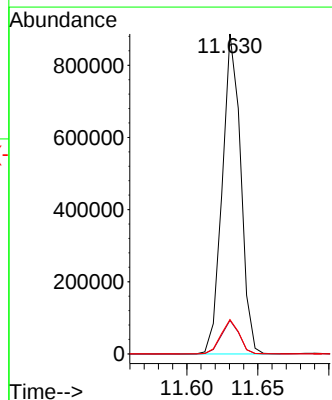
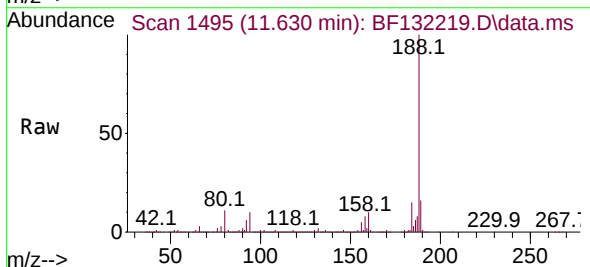
Reviewed By :Christian  
Giraldo  
01/31/2023

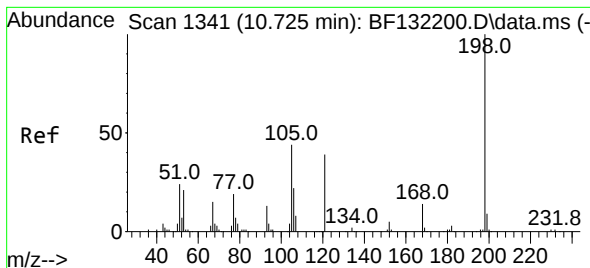
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.630 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:188 Resp: 803294  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 10.7 9.2 13.8





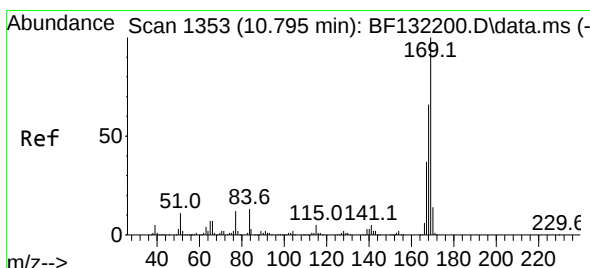
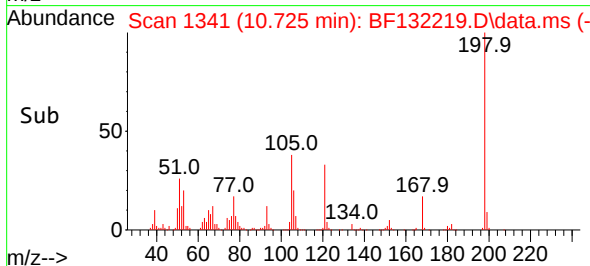
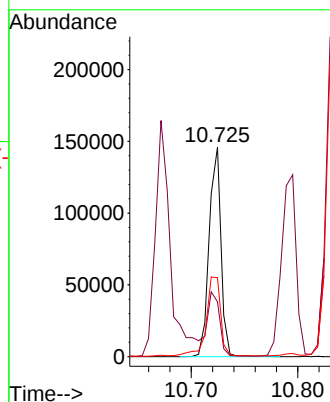
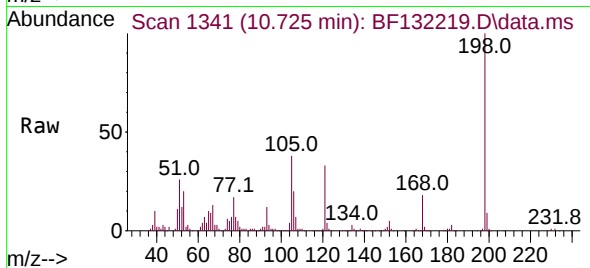
#65  
4,6-Dinitro-2-methylphenol  
Concen: 29.285 ng  
RT: 10.725 min Scan# 1341  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD

Tgt Ion:198 Resp: 112024  
Ion Ratio Lower Upper  
198 100  
51 26.2 14.9 54.9  
105 37.7 24.2 64.2

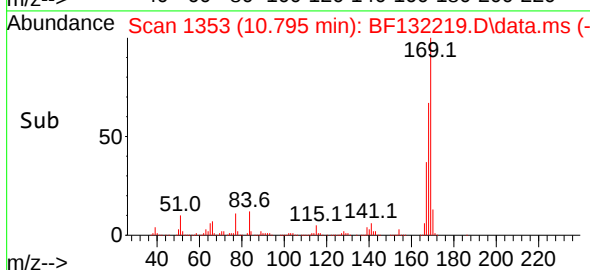
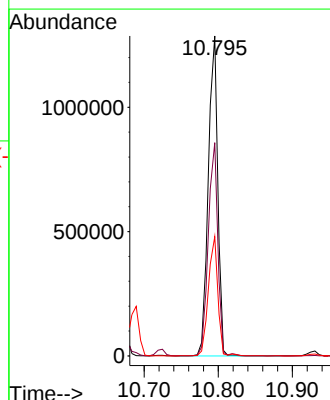
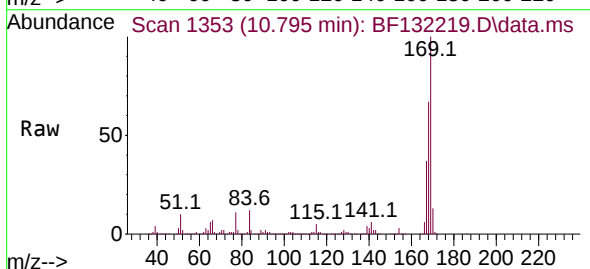
Manual Integrations  
APPROVED

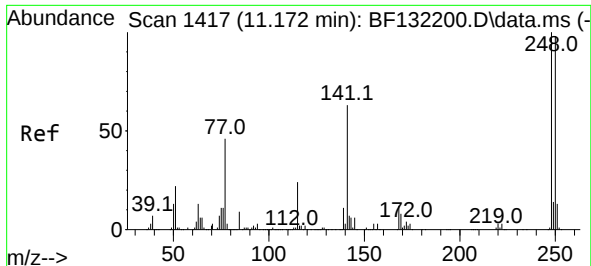
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#66  
n-Nitrosodiphenylamine  
Concen: 45.131 ng  
RT: 10.795 min Scan# 1353  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

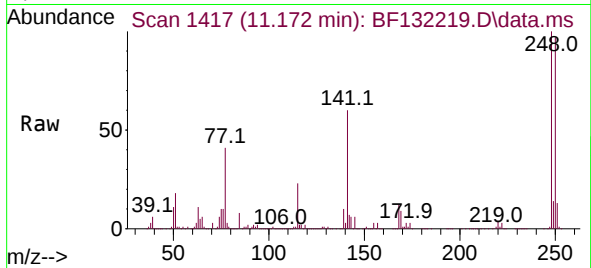
Tgt Ion:169 Resp: 1138461  
Ion Ratio Lower Upper  
169 100  
168 66.6 53.1 79.7  
167 37.3 29.7 44.5





#67  
4-Bromophenyl-phenylether  
Concen: 47.942 ng  
RT: 11.172 min Scan# 1417  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

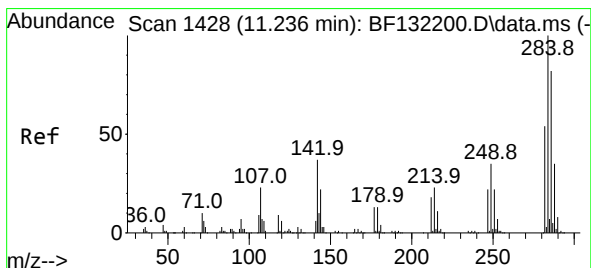
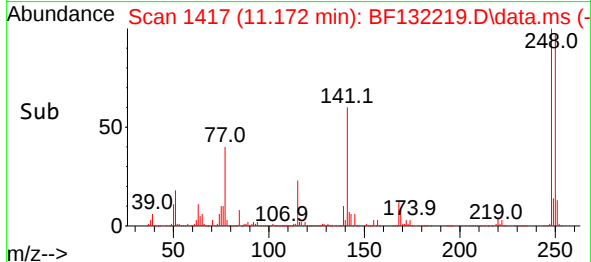
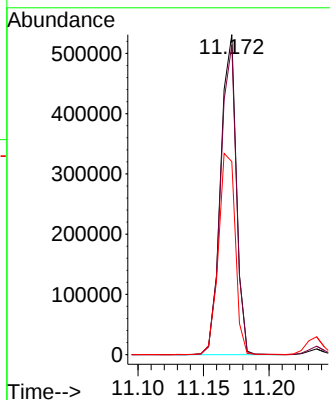
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:248 Resp: 443352  
Ion Ratio Lower Upper  
248 100  
250 96.8 78.5 117.7  
141 60.3 50.2 75.4

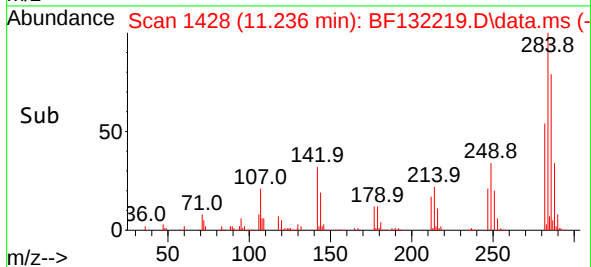
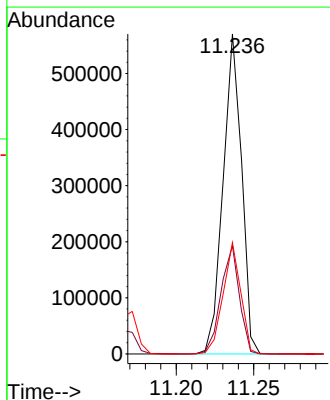
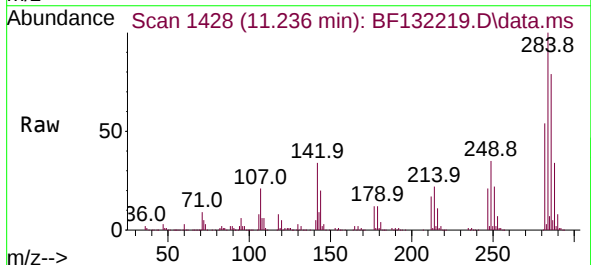
Manual Integrations  
APPROVED

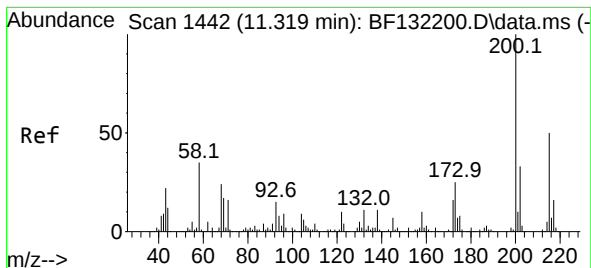
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#68  
Hexachlorobenzene  
Concen: 51.581 ng  
RT: 11.236 min Scan# 1428  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:284 Resp: 472650  
Ion Ratio Lower Upper  
284 100  
142 33.8 29.4 44.2  
249 34.8 27.8 41.8





#69

Atrazine

Concen: 55.933 ng

RT: 11.319 min Scan# 1442

Delta R.T. 0.000 min

Lab File: BF132219.D

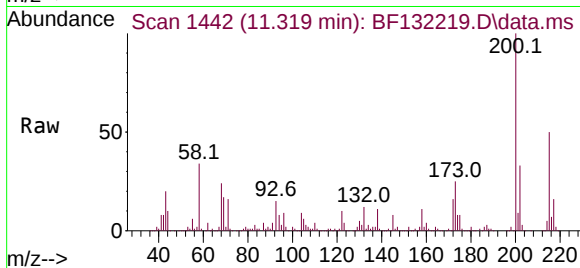
Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD



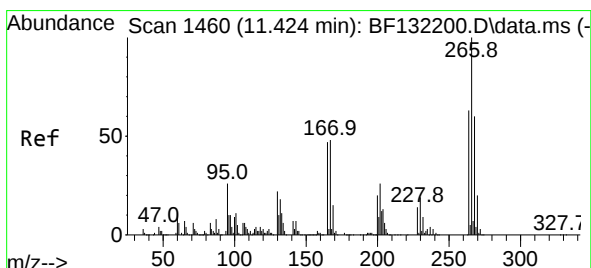
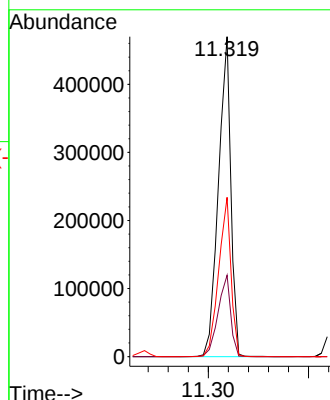
Tgt Ion:200 Resp: 404960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 200 | 100   |       |       |
| 173 | 25.4  | 5.2   | 45.2  |
| 215 | 49.8  | 29.8  | 69.8  |

Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo  
01/31/2023

Supervised By :Jagrut  
Upadhyay  
01/31/2023



#70

Pentachlorophenol

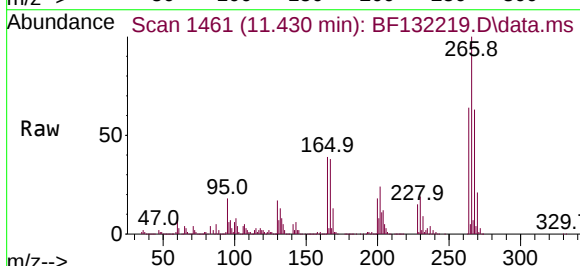
Concen: 71.973 ng

RT: 11.430 min Scan# 1461

Delta R.T. 0.006 min

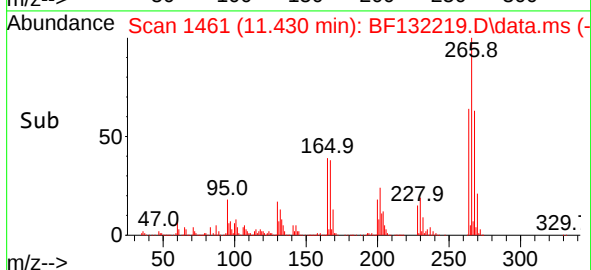
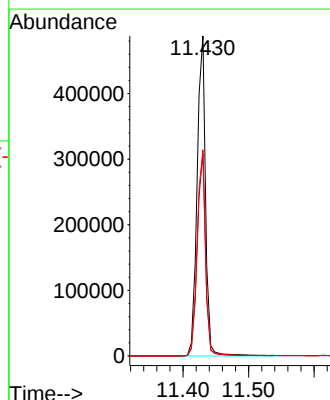
Lab File: BF132219.D

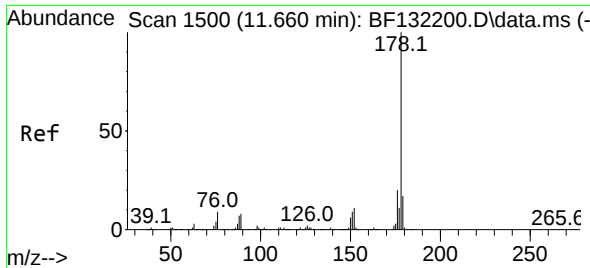
Acq: 30 Jan 2023 19:40



Tgt Ion:266 Resp: 435301

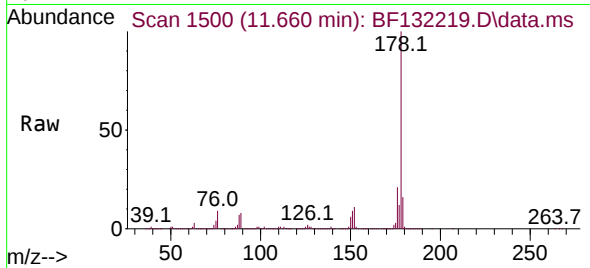
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 266 | 100   |       |       |
| 268 | 63.3  | 48.2  | 72.4  |
| 264 | 64.4  | 50.7  | 76.1  |





#71  
Phenanthrene  
Concen: 45.688 ng  
RT: 11.660 min Scan# 1500  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

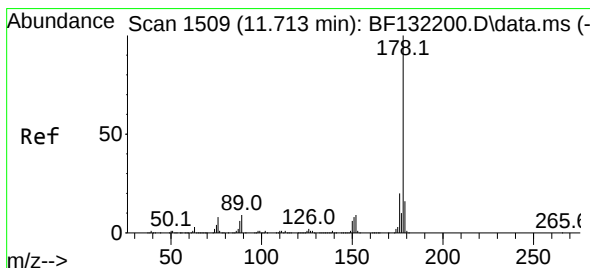
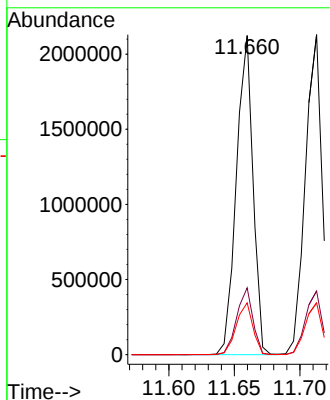
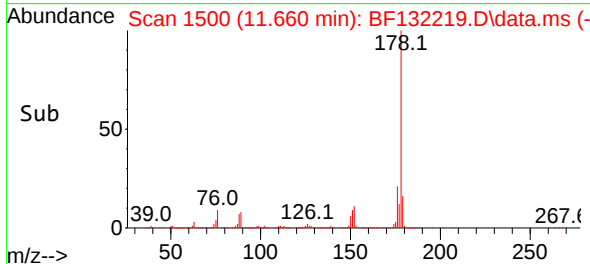
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:178 Resp: 1867060  
Ion Ratio Lower Upper  
178 100  
176 20.9 16.4 24.6  
179 16.2 13.3 19.9

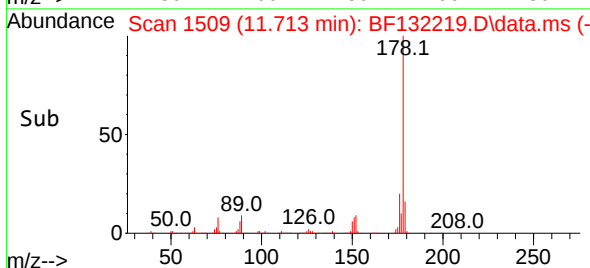
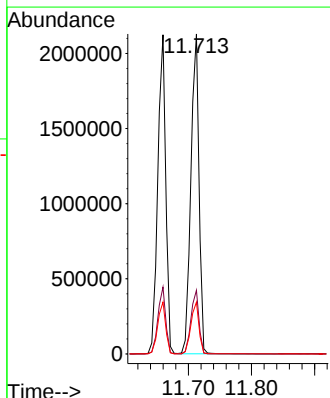
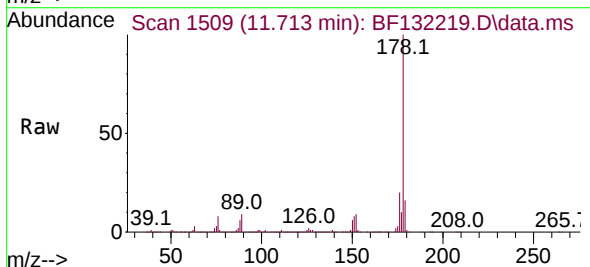
Manual Integrations  
APPROVED

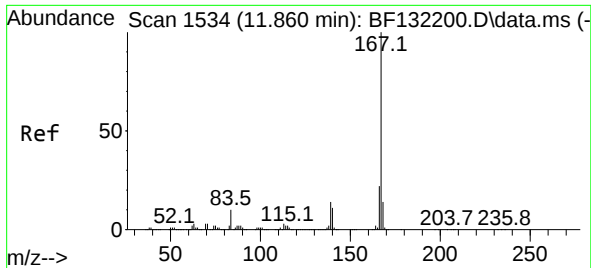
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#72  
Anthracene  
Concen: 45.587 ng  
RT: 11.713 min Scan# 1509  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

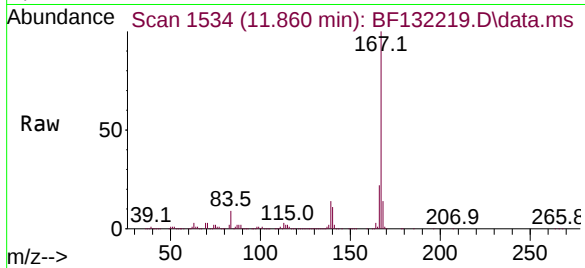
Tgt Ion:178 Resp: 1897007  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.8 23.8  
179 16.2 13.0 19.6





#73  
 Carbazole  
 Concen: 47.109 ng  
 RT: 11.860 min Scan# 1534  
 Delta R.T. 0.000 min  
 Lab File: BF132219.D  
 Acq: 30 Jan 2023 19:40

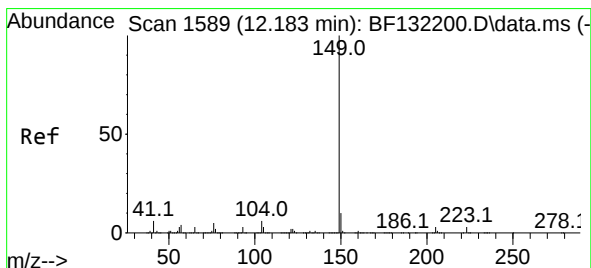
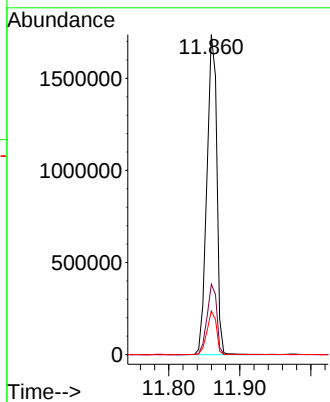
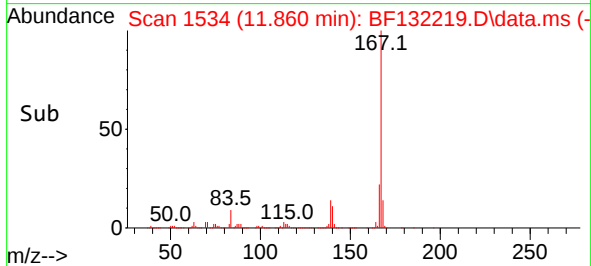
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TJRC-011923-B4-20-30MSD



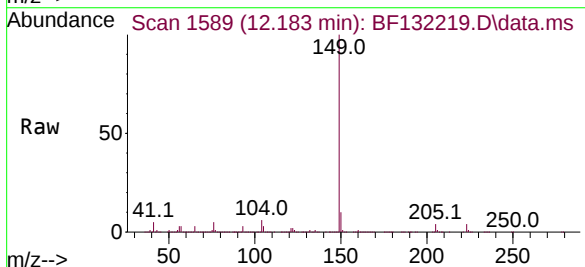
Tgt Ion:167 Resp: 1684063  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.5 26.3  
 139 13.6 10.8 16.2

Manual Integrations  
 APPROVED

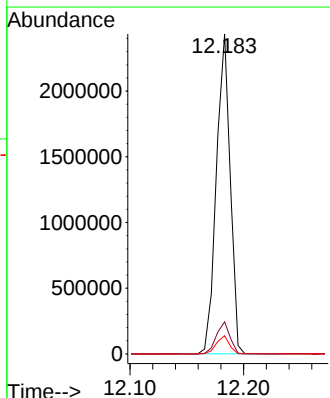
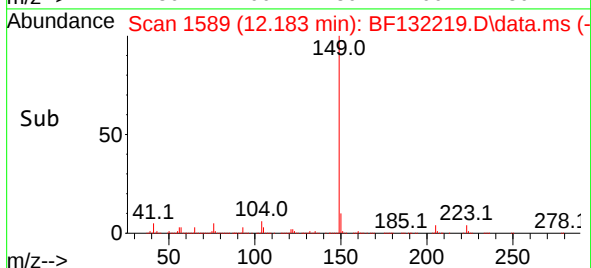
Reviewed By :Christian  
 Giraldo  
 01/31/2023  
 Supervised By :Jagrut  
 Upadhyay  
 01/31/2023

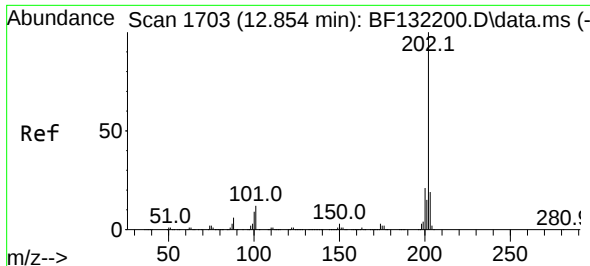


#74  
 Di-n-butylphthalate  
 Concen: 50.511 ng  
 RT: 12.183 min Scan# 1589  
 Delta R.T. 0.000 min  
 Lab File: BF132219.D  
 Acq: 30 Jan 2023 19:40



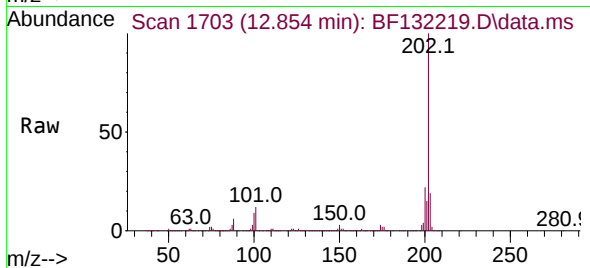
Tgt Ion:149 Resp: 2054235  
 Ion Ratio Lower Upper  
 149 100  
 150 10.0 8.0 12.0  
 104 5.7 4.6 7.0





#75  
Fluoranthene  
Concen: 46.088 ng  
RT: 12.854 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

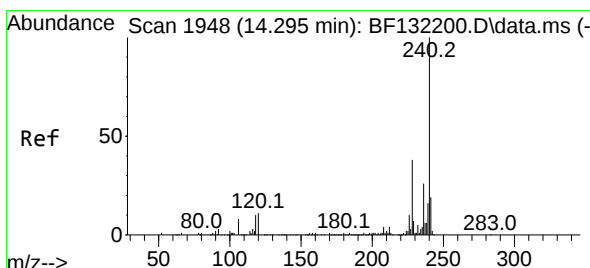
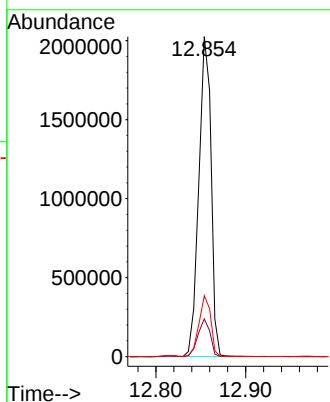
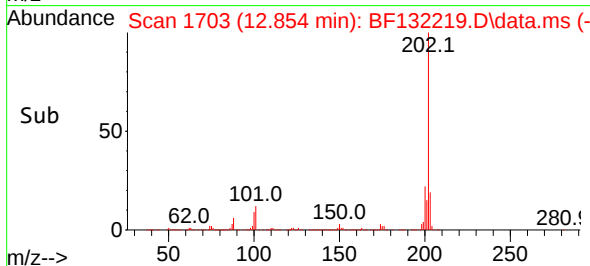
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:202 Resp: 1916320  
Ion Ratio Lower Upper  
202 100  
101 11.8 0.0 32.5  
203 19.0 0.0 38.8

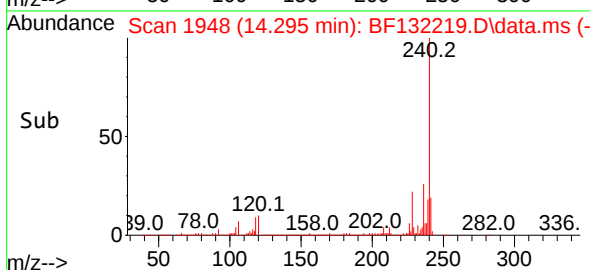
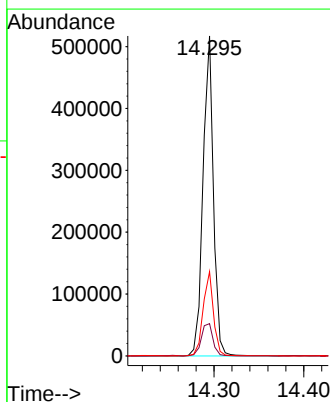
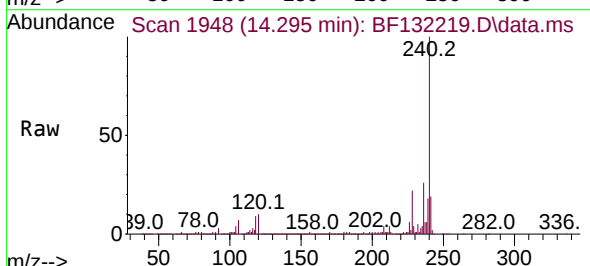
Manual Integrations  
APPROVED

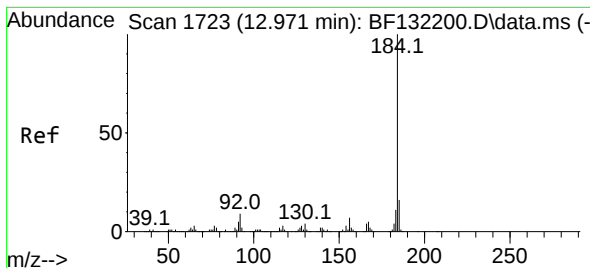
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.295 min Scan# 1948  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:240 Resp: 415373  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.0 13.4  
236 26.3 20.8 31.2





#77

Benzidine

Concen: 29.585 ng

RT: 12.966 min Scan# 1722

Delta R.T. -0.006 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD

Tgt Ion:184 Resp: 320763

Ion Ratio Lower Upper

184 100

185 16.2 13.2 19.8

183 10.8 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Christian

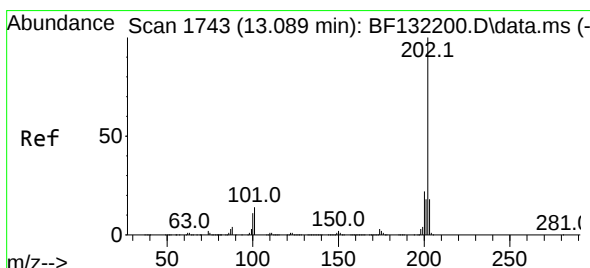
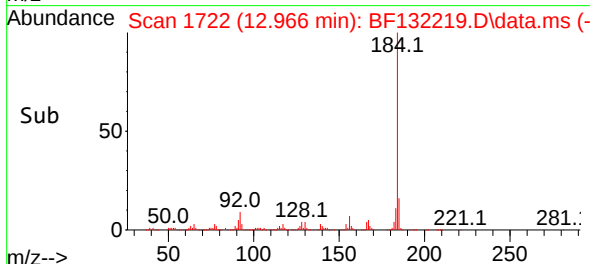
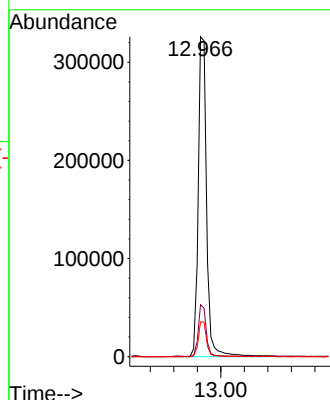
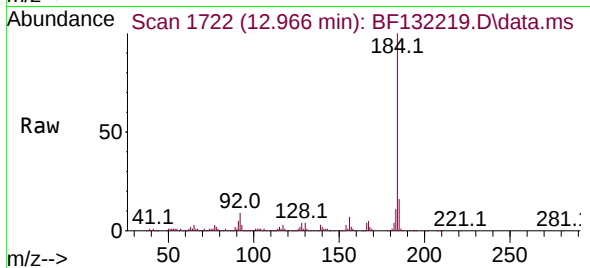
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#78

Pyrene

Concen: 49.549 ng

RT: 13.089 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

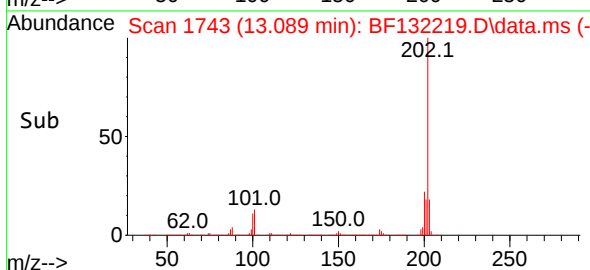
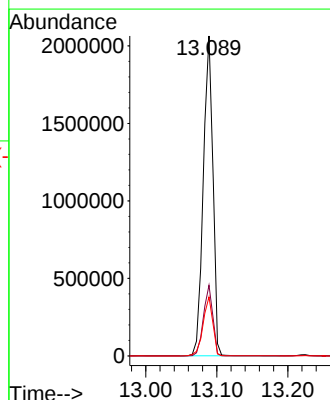
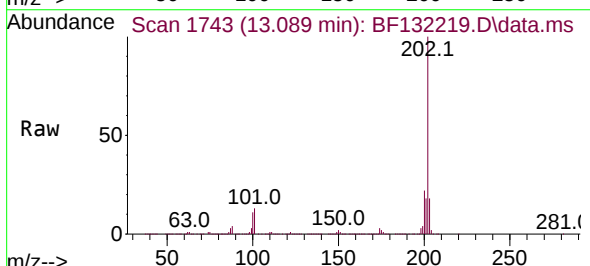
Tgt Ion:202 Resp: 1928368

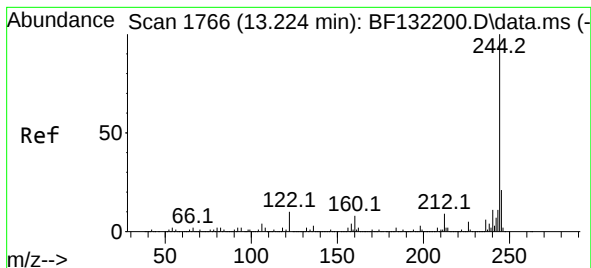
Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

203 18.4 14.7 22.1





#79

Terphenyl-d14

Concen: 73.395 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF132219.D

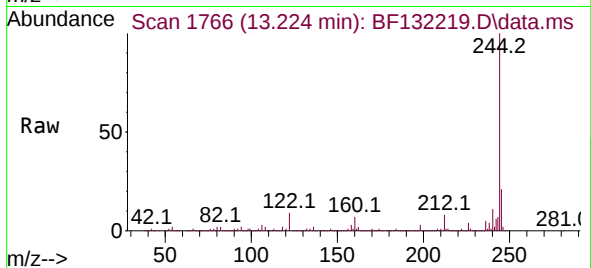
Acq: 30 Jan 2023 19:40

Instrument :

BNA\_F

ClientSampleId :

TJRC-011923-B4-20-30MSD



Tgt Ion:244 Resp: 1940428

Ion Ratio Lower Upper

244 100

212 7.8 6.8 10.2

122 9.1 8.3 12.5

Manual Integrations

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Reviewed By :Christian

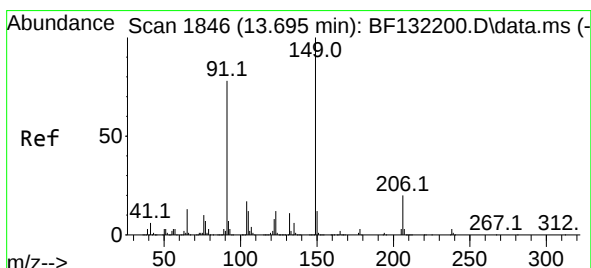
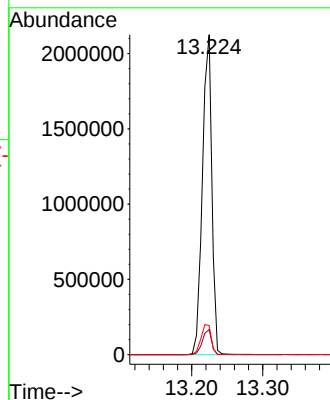
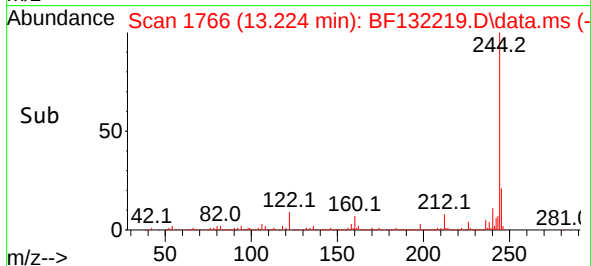
Giraldo

01/31/2023

Supervised By :Jagrut

Upadhyay

01/31/2023



#80

Butylbenzylphthalate

Concen: 54.618 ng

RT: 13.695 min Scan# 1846

Delta R.T. -0.000 min

Lab File: BF132219.D

Acq: 30 Jan 2023 19:40

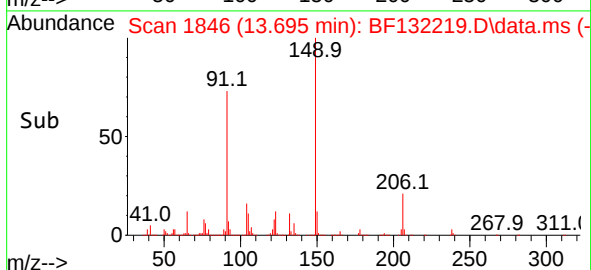
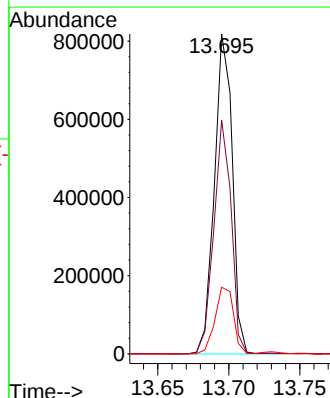
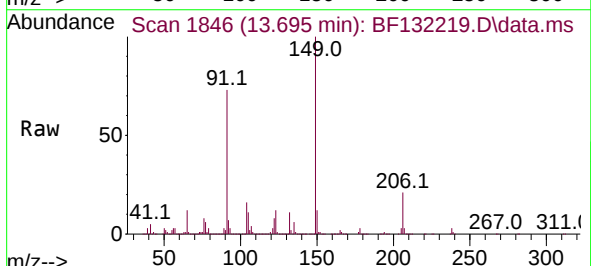
Tgt Ion:149 Resp: 718309

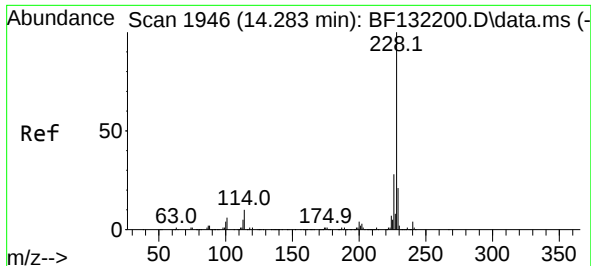
Ion Ratio Lower Upper

149 100

91 73.1 62.1 93.1

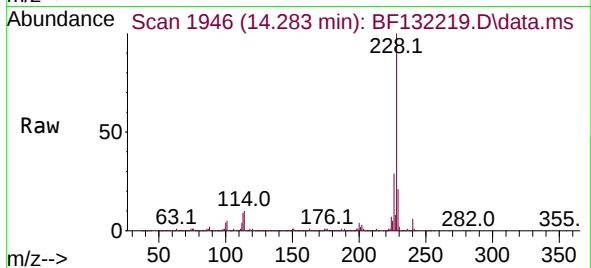
206 20.8 15.8 23.8





#81  
Benzo(a)anthracene  
Concen: 47.508 ng  
RT: 14.283 min Scan# 1946  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

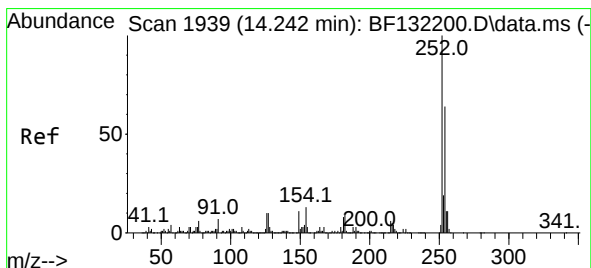
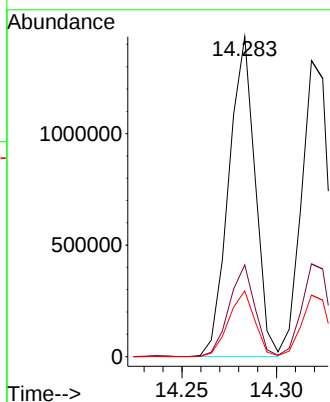
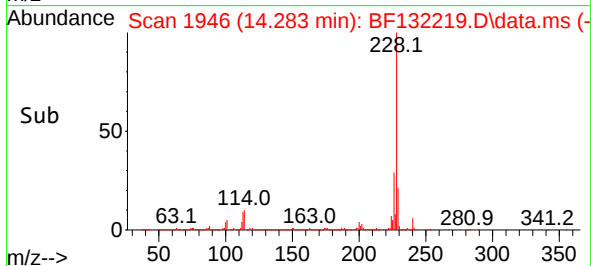
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



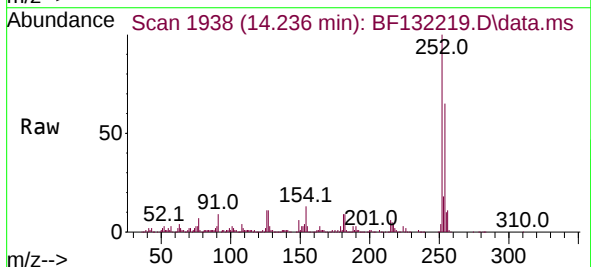
Tgt Ion:228 Resp: 1387477  
Ion Ratio Lower Upper  
228 100  
226 28.7 22.6 33.8  
229 20.6 16.5 24.7

Manual Integrations  
APPROVED

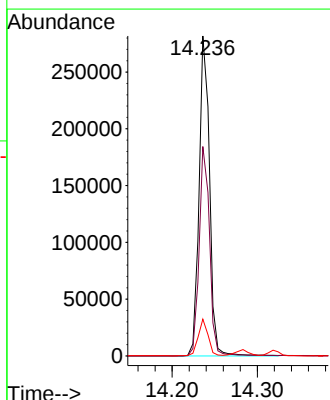
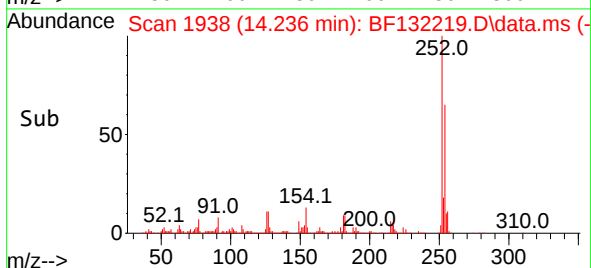
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrit  
Upadhyay  
01/31/2023

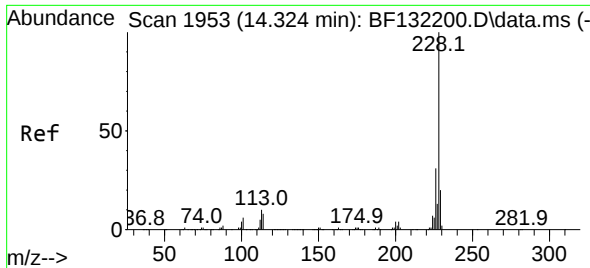


#82  
3,3'-Dichlorobenzidine  
Concen: 30.186 ng  
RT: 14.236 min Scan# 1938  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40



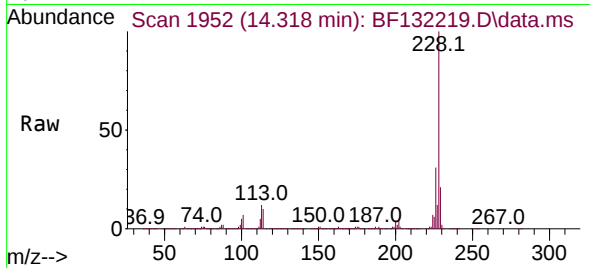
Tgt Ion:252 Resp: 238901  
Ion Ratio Lower Upper  
252 100  
254 65.4 51.5 77.3  
126 11.5 8.0 12.0





#83  
Chrysene  
Concen: 47.333 ng  
RT: 14.318 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

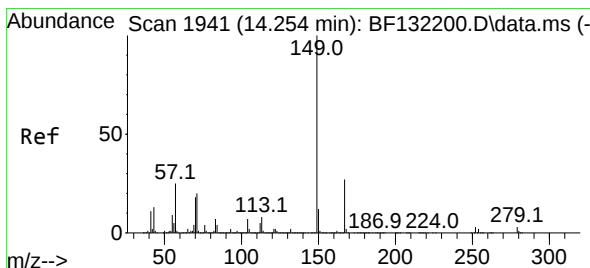
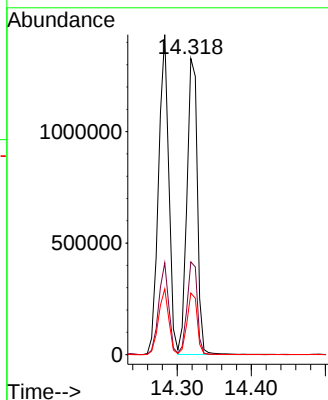
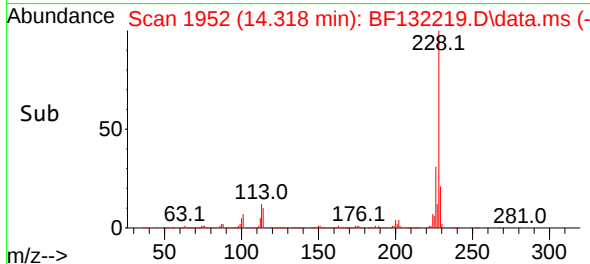
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:228 Resp: 1288252  
Ion Ratio Lower Upper  
228 100  
226 31.3 24.9 37.3  
229 20.8 16.2 24.4

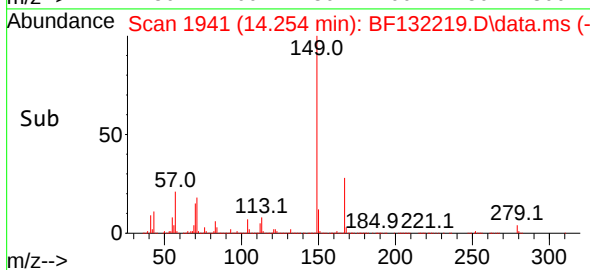
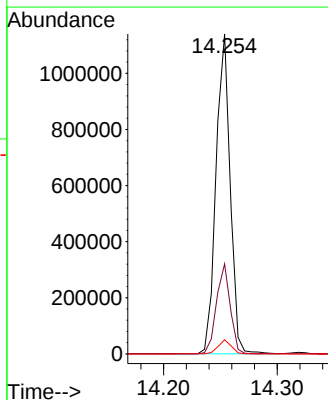
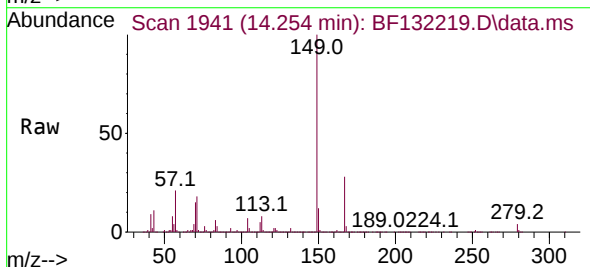
Manual Integrations  
APPROVED

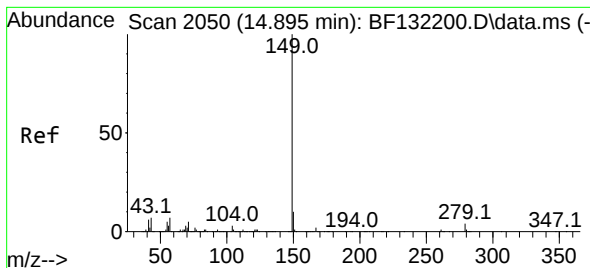
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 58.073 ng  
RT: 14.254 min Scan# 1941  
Delta R.T. -0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

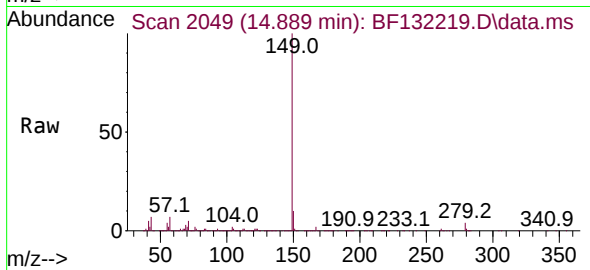
Tgt Ion:149 Resp: 986698  
Ion Ratio Lower Upper  
149 100  
167 28.1 21.7 32.5  
279 4.4 2.8 4.2#





#85  
Di-n-octyl phthalate  
Concen: 52.428 ng  
RT: 14.889 min Scan# 2049  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

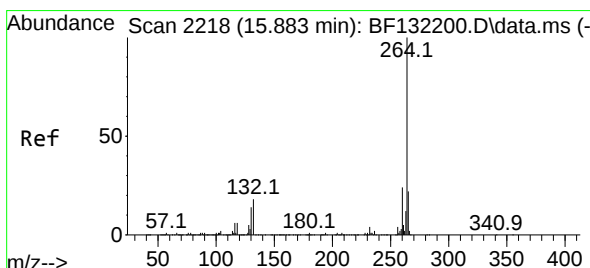
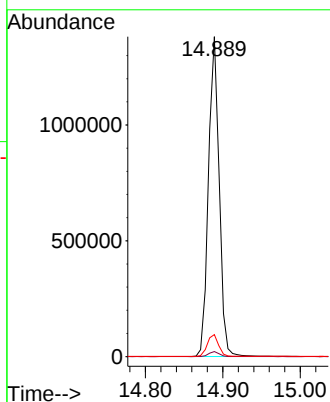
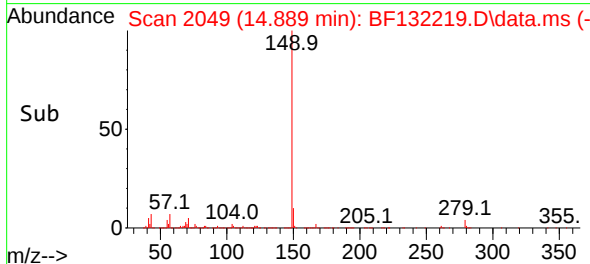
Instrument : BNA\_F  
ClientSampleId : TJRC-011923-B4-20-30MSD



Tgt Ion:149 Resp: 1328556  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 7.2 6.6 10.0

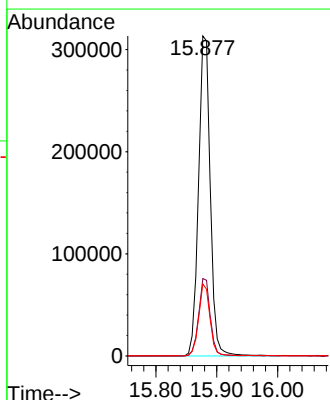
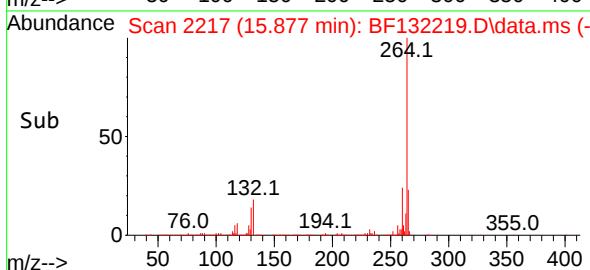
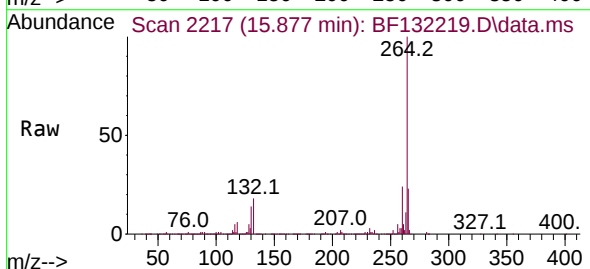
Manual Integrations  
APPROVED

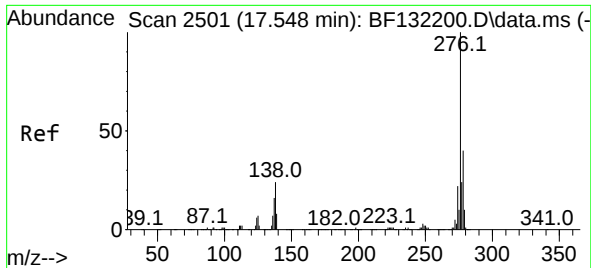
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.877 min Scan# 2217  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

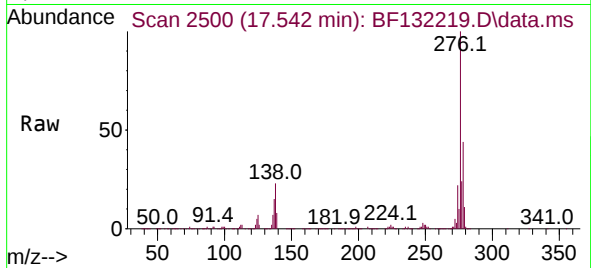
Tgt Ion:264 Resp: 419062  
Ion Ratio Lower Upper  
264 100  
260 24.2 18.8 28.2  
265 22.5 17.4 26.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 53.027 ng  
RT: 17.542 min Scan# 2150  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

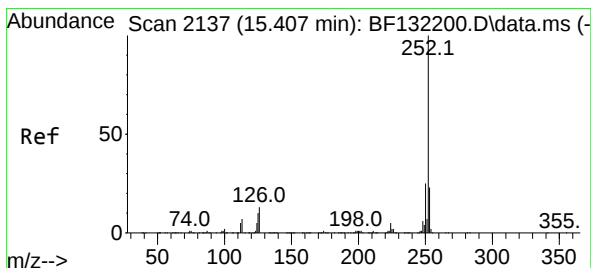
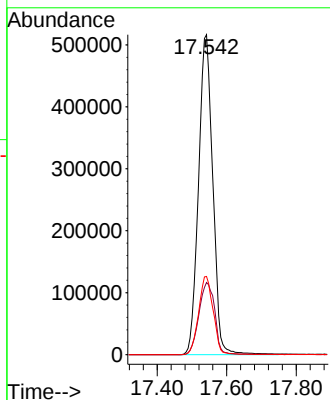
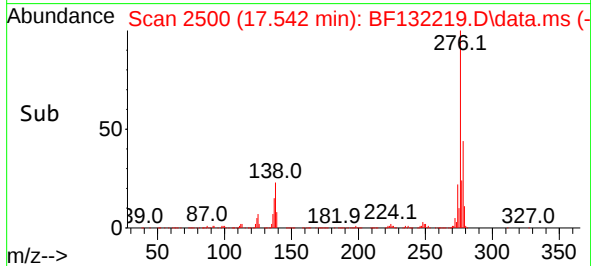
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:276 Resp: 1469198  
Ion Ratio Lower Upper  
276 100  
138 25.0 21.0 31.6  
277 24.9 20.0 30.0

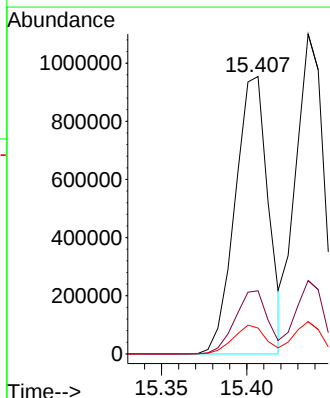
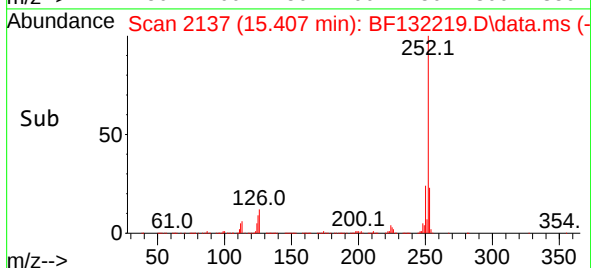
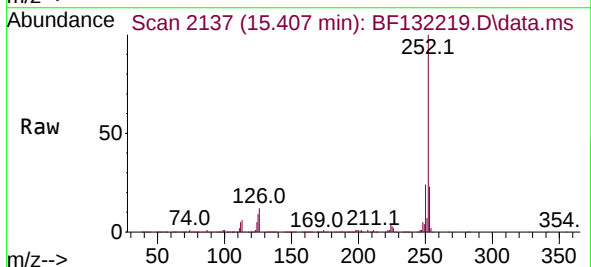
Manual Integrations  
APPROVED

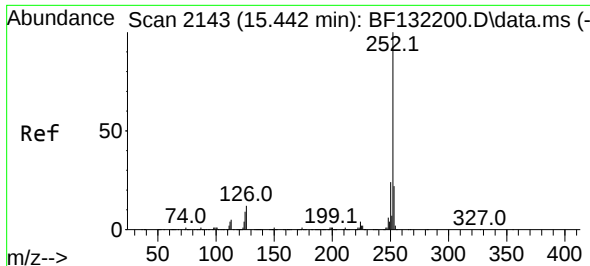
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#88  
Benzo(b)fluoranthene  
Concen: 50.079 ng  
RT: 15.407 min Scan# 2137  
Delta R.T. 0.000 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

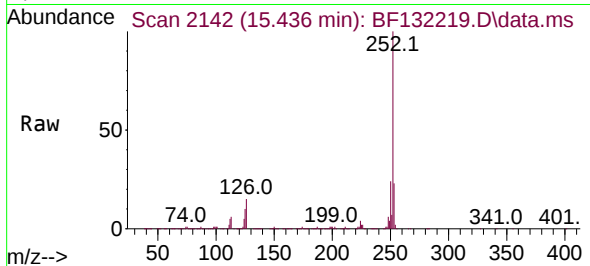
Tgt Ion:252 Resp: 1288923  
Ion Ratio Lower Upper  
252 100  
253 22.8 18.0 27.0  
125 9.3 8.2 12.4





#89  
Benzo(k)fluoranthene  
Concen: 48.387 ng  
RT: 15.436 min Scan# 2143  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

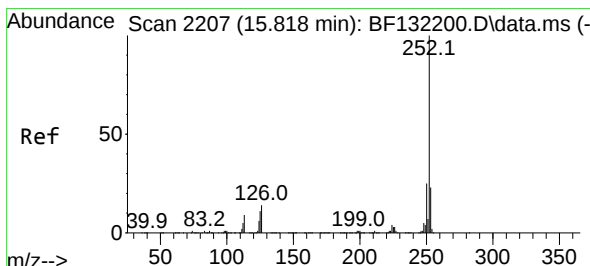
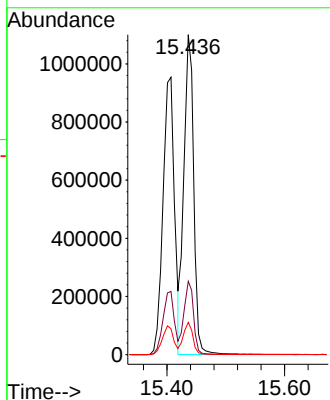
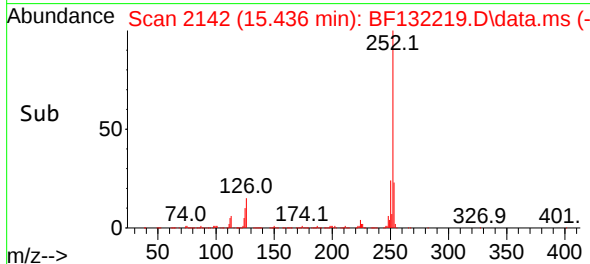
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:252 Resp: 1285015  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.8 26.6  
125 10.1 7.7 11.5

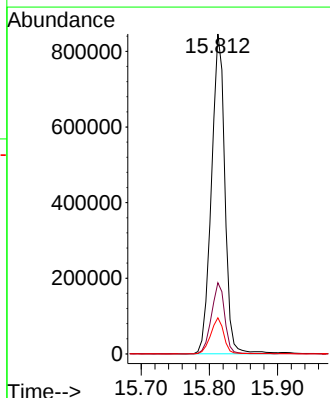
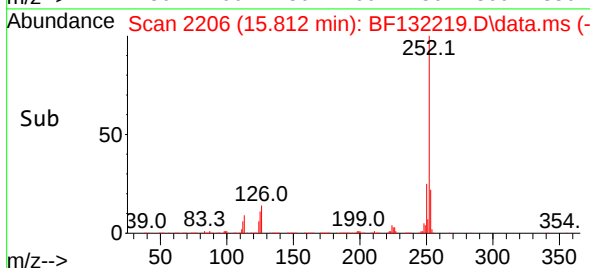
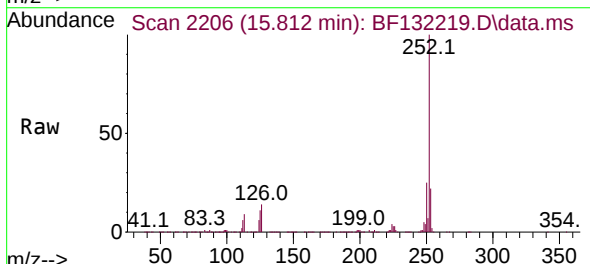
Manual Integrations  
APPROVED

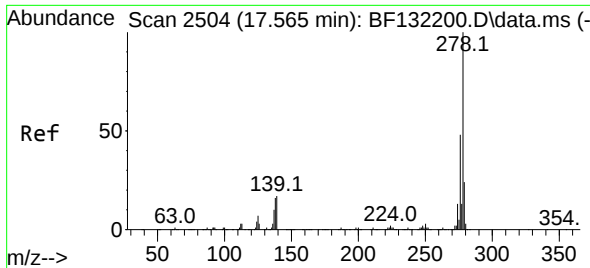
Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#90  
Benzo(a)pyrene  
Concen: 47.338 ng  
RT: 15.812 min Scan# 2206  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

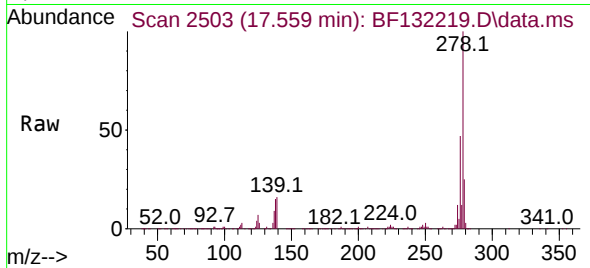
Tgt Ion:252 Resp: 1149848  
Ion Ratio Lower Upper  
252 100  
253 22.2 18.3 27.5  
125 11.3 9.0 13.6





#91  
Dibenzo(a,h)anthracene  
Concen: 53.047 ng  
RT: 17.559 min Scan# 2503  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

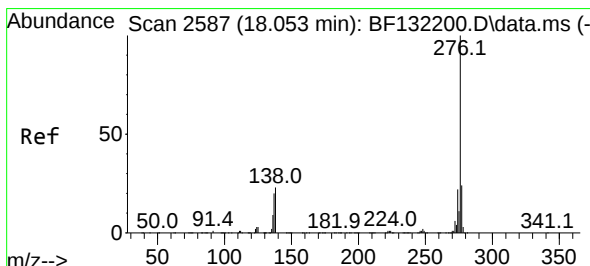
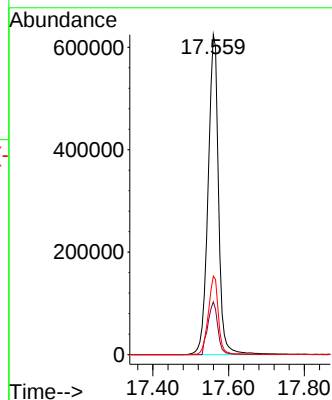
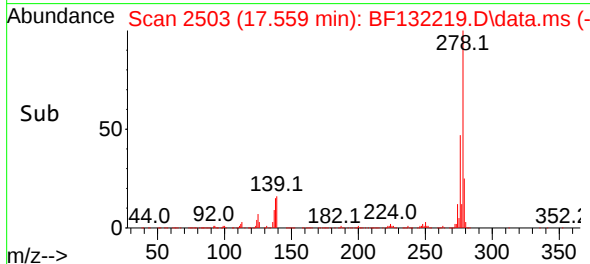
Instrument :  
BNA\_F  
ClientSampleId :  
TJRC-011923-B4-20-30MSD



Tgt Ion:278 Resp: 1201668  
Ion Ratio Lower Upper  
278 100  
139 16.5 13.2 19.8  
279 24.5 19.1 28.7

Manual Integrations  
APPROVED

Reviewed By :Christian  
Giraldo  
01/31/2023  
Supervised By :Jagrut  
Upadhyay  
01/31/2023



#92  
Benzo(g,h,i)perylene  
Concen: 51.349 ng  
RT: 18.048 min Scan# 2586  
Delta R.T. -0.006 min  
Lab File: BF132219.D  
Acq: 30 Jan 2023 19:40

Tgt Ion:276 Resp: 1185984  
Ion Ratio Lower Upper  
276 100  
277 24.1 19.1 28.7  
138 22.0 18.3 27.5

