

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF021623\  
 Data File : BF132435.D  
 Acq On : 16 Feb 2023 15:47  
 Operator : CG\JU  
 Sample : PB150899BS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB150899BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/17/2023  
 Supervised By : Jagrut Upadhyay 02/17/2023

Quant Time: Feb 17 04:42:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF021623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 03:08:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.031  | 152  | 229418   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.319  | 136  | 877067   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.083 | 164  | 473898   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.578 | 188  | 845627   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.242 | 240  | 594801   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.801 | 264  | 483505   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.660  | 112  | 1188778  | 83.030 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.654  | 99   | 1549433  | 82.879 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.601  | 82   | 1477460  | 80.941 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.878 | 330  | 363584   | 76.896 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.401  | 172  | 2124048  | 69.217 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.172 | 244  | 2520550  | 77.176 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.990  | 88   | 235601   | 30.419 | ng    | 99       |
| 3) Pyridine                   | 3.737  | 79   | 638554   | 30.372 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.707  | 42   | 337086   | 40.608 | ng    | 98       |
| 6) Aniline                    | 6.695  | 93   | 868713   | 33.355 | ng    | 98       |
| 8) 2-Chlorophenol             | 6.819  | 128  | 638989   | 43.717 | ng    | 94       |
| 9) Benzaldehyde               | 6.578  | 77   | 165072   | 16.514 | ng    | 99       |
| 10) Phenol                    | 6.672  | 94   | 840887m  | 42.443 | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.766  | 93   | 742029   | 44.154 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.972  | 146  | 654835   | 41.126 | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.048  | 146  | 654257   | 41.191 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.201  | 146  | 643921   | 44.249 | ng    | 97       |
| 15) Benzyl Alcohol            | 7.172  | 79   | 622424   | 45.010 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.301  | 45   | 990965   | 42.409 | ng    | 98       |
| 17) 2-Methylphenol            | 7.278  | 107  | 550921   | 39.594 | ng    | 99       |
| 18) Hexachloroethane          | 7.548  | 117  | 267243   | 44.560 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.448  | 70   | 471671   | 41.154 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.431  | 107  | 656715   | 38.227 | ng    | # 84     |
| 22) Acetophenone              | 7.442  | 105  | 877936   | 38.623 | ng    | 99       |
| 24) Nitrobenzene              | 7.619  | 77   | 789571   | 39.453 | ng    | 97       |
| 25) Isophorone                | 7.854  | 82   | 1424901  | 39.726 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.931  | 139  | 339619   | 43.654 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.960  | 122  | 565203   | 40.238 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.060  | 93   | 821543   | 39.194 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.172  | 162  | 529139   | 39.931 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.260  | 180  | 581941   | 39.487 | ng    | 97       |
| 31) Naphthalene               | 8.342  | 128  | 1688120  | 37.088 | ng    | 99       |
| 32) Benzoic acid              | 8.095  | 122  | 428544   | 43.105 | ng    | 99       |
| 33) 4-Chloroaniline           | 8.384  | 127  | 385564   | 20.389 | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.454  | 225  | 371776   | 39.958 | ng    | 100      |
| 35) Caprolactam               | 8.766  | 113  | 191044m  | 44.408 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.866  | 107  | 591785   | 39.912 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 9.037  | 142  | 1111013  | 36.269 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 9.136  | 142  | 1053762  | 36.615 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.201  | 216  | 568233   | 37.005 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.189  | 237  | 714384   | 84.703 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.313  | 196  | 399577   | 39.502 | ng    | 99       |

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Quant Time: Feb 17 04:42:58 2023  
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 QLast Update : Fri Feb 17 03:08:40 2023  
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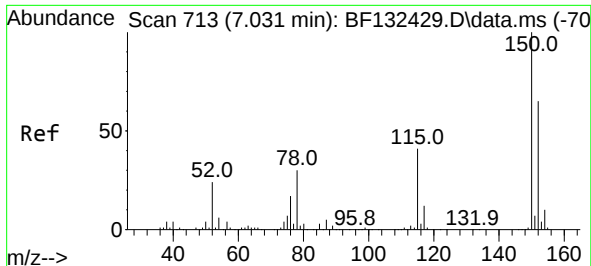
Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 02/17/2023  
 Supervised By : Jagrut Upadhyay 02/17/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.360  | 196  | 420730   | 35.710 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.501  | 154  | 1328635  | 36.224 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.531  | 162  | 1080961  | 37.548 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.625  | 65   | 396266   | 39.231 | ng    | 92       |
| 49) Acenaphthylene            | 9.948  | 152  | 1651595  | 36.108 | ng    | 100      |
| 50) Dimethylphthalate         | 9.801  | 163  | 1261492  | 36.147 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.866  | 165  | 291011   | 38.344 | ng    | 88       |
| 52) Acenaphthene              | 10.119 | 154  | 1166175  | 40.968 | ng    | 100      |
| 53) 3-Nitroaniline            | 10.036 | 138  | 255576   | 29.330 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 10.142 | 184  | 354755   | 75.579 | ng    | # 91     |
| 55) Dibenzofuran              | 10.289 | 168  | 1492128  | 35.330 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.195 | 139  | 488935   | 77.342 | ng    | 90       |
| 57) 2,4-Dinitrotoluene        | 10.272 | 165  | 385716   | 38.608 | ng    | 100      |
| 58) Fluorene                  | 10.636 | 166  | 1128733  | 35.350 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.407 | 232  | 347193   | 38.991 | ng    | 99       |
| 60) Diethylphthalate          | 10.501 | 149  | 1228018  | 35.796 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.625 | 204  | 586103   | 35.051 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.660 | 138  | 307564   | 37.826 | ng    | 99       |
| 63) Azobenzene                | 10.783 | 77   | 1375819  | 36.246 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.678 | 198  | 223671   | 42.544 | ng    | 83       |
| 66) n-Nitrosodiphenylamine    | 10.742 | 169  | 1014638  | 39.093 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 11.119 | 248  | 367765   | 39.681 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.183 | 284  | 408571   | 42.173 | ng    | 98       |
| 69) Atrazine                  | 11.272 | 200  | 344323   | 43.100 | ng    | 99       |
| 70) Pentachlorophenol         | 11.383 | 266  | 455222   | 75.578 | ng    | 100      |
| 71) Phenanthrene              | 11.607 | 178  | 1671742  | 38.384 | ng    | 99       |
| 72) Anthracene                | 11.660 | 178  | 1688753  | 37.718 | ng    | 99       |
| 73) Carbazole                 | 11.813 | 167  | 1569549  | 38.944 | ng    | 99       |
| 74) Di-n-butylphthalate       | 12.130 | 149  | 1891118  | 39.395 | ng    | 99       |
| 75) Fluoranthene              | 12.801 | 202  | 1859572  | 38.286 | ng    | 99       |
| 77) Benzidine                 | 12.919 | 184  | 460799   | 36.382 | ng    | 99       |
| 78) Pyrene                    | 13.036 | 202  | 1910788  | 37.816 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.642 | 149  | 784687   | 41.618 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.230 | 228  | 1659137  | 38.085 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.189 | 252  | 463703   | 39.850 | ng    | # 98     |
| 83) Chrysene                  | 14.271 | 228  | 1532796  | 36.826 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.195 | 149  | 975327   | 39.960 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.830 | 149  | 1546211  | 43.628 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.424 | 276  | 1404116  | 45.430 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.336 | 252  | 1412762  | 44.432 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.371 | 252  | 1404814  | 44.151 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.736 | 252  | 1222525  | 41.373 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.442 | 278  | 1167362  | 45.857 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.918 | 276  | 1225642  | 46.882 | ng    | 99       |

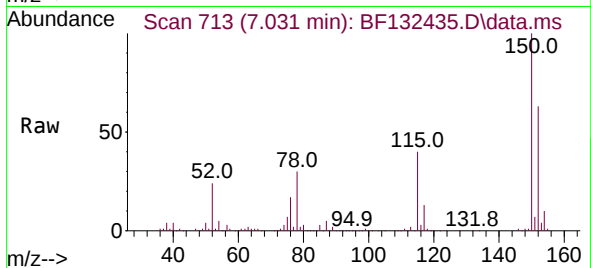
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.031 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

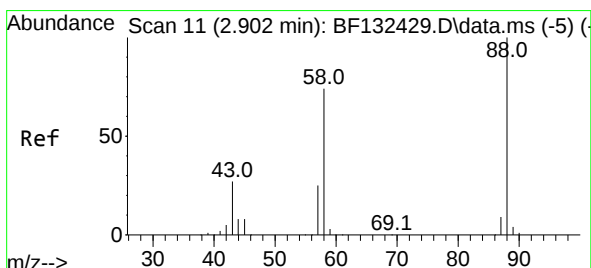
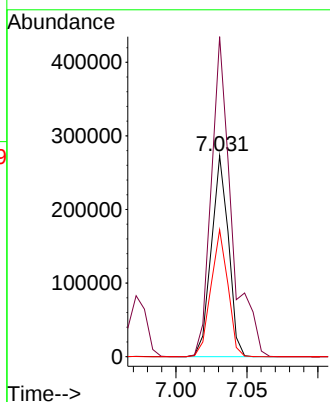
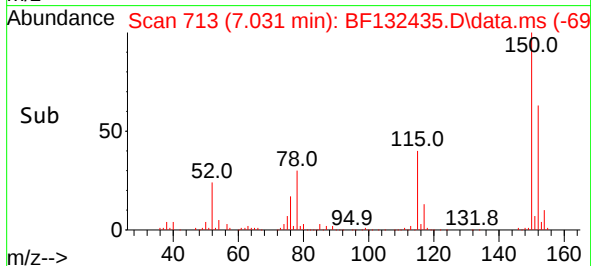
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:152 Resp: 229418  
Ion Ratio Lower Upper  
152 100  
150 159.3 123.8 185.8  
115 63.1 50.4 75.6

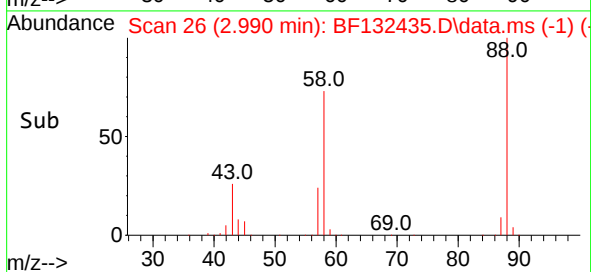
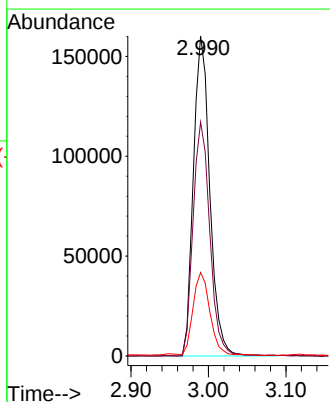
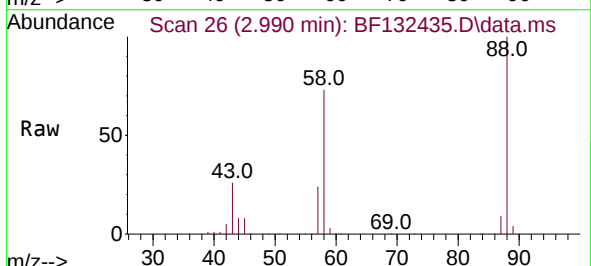
Manual Integrations  
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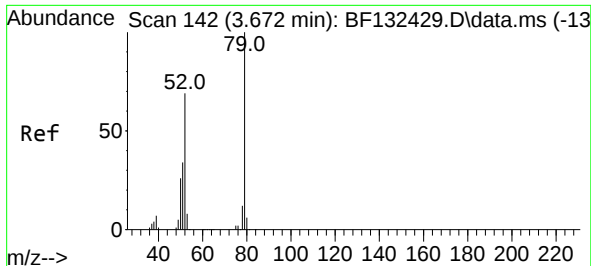
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#2  
1,4-Dioxane  
Concen: 30.419 ng  
RT: 2.990 min Scan# 26  
Delta R.T. 0.088 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

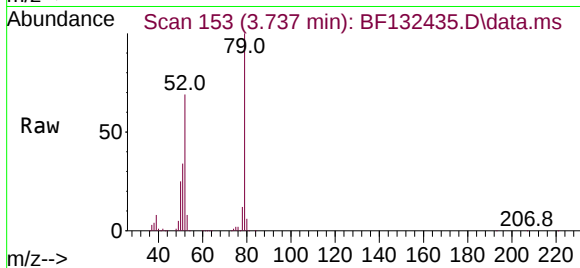
Tgt Ion: 88 Resp: 235601  
Ion Ratio Lower Upper  
88 100  
58 74.7 60.1 90.1  
43 26.6 21.5 32.3





#3  
Pyridine  
Concen: 30.372 ng  
RT: 3.737 min Scan# 11  
Delta R.T. 0.065 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

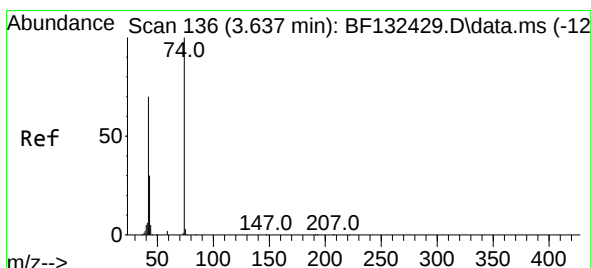
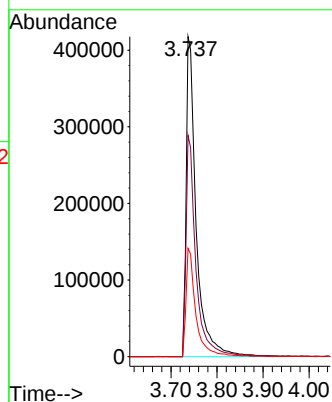
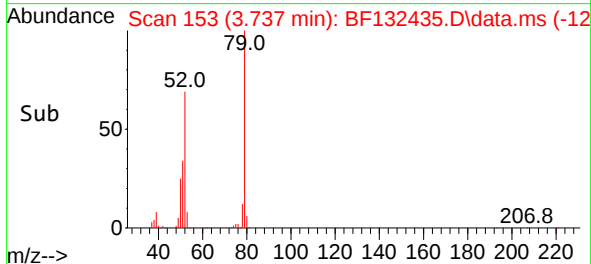
Instrument :  
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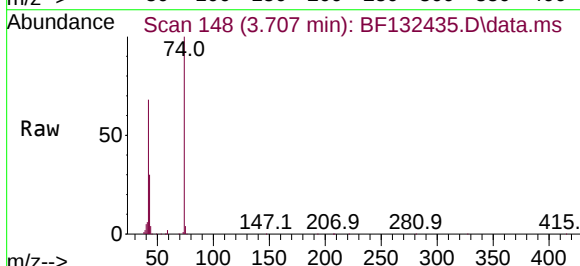
Tgt Ion: 79 Resp: 638554  
Ion Ratio Lower Upper  
79 100  
52 69.1 55.0 82.6  
51 33.8 27.0 40.6

Manual Integrations  
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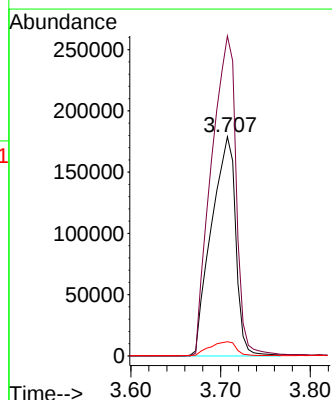
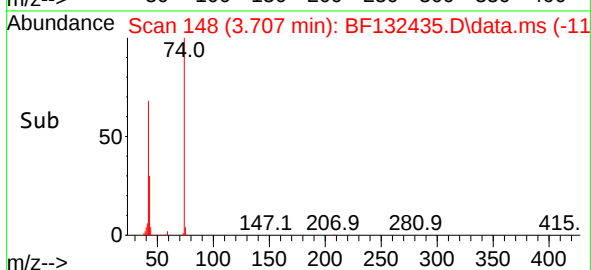
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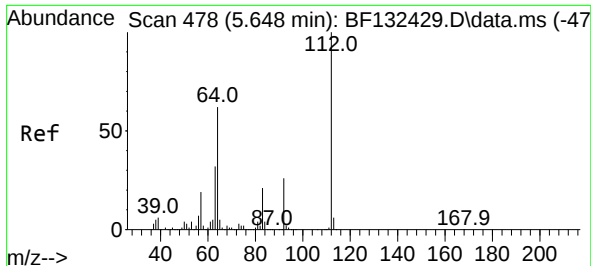


#4  
n-Nitrosodimethylamine  
Concen: 40.608 ng  
RT: 3.707 min Scan# 148  
Delta R.T. 0.071 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion: 42 Resp: 337086  
Ion Ratio Lower Upper  
42 100  
74 146.0 115.1 172.7  
44 6.5 5.7 8.5





#5  
2-Fluorophenol  
Concen: 83.030 ng  
RT: 5.660 min Scan# 480  
Delta R.T. 0.012 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

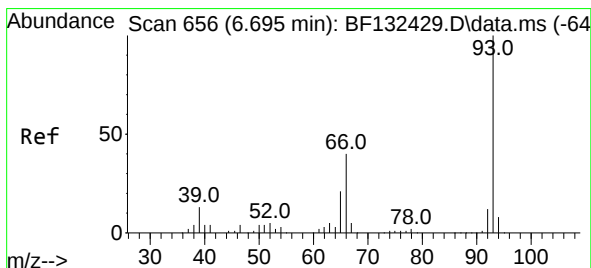
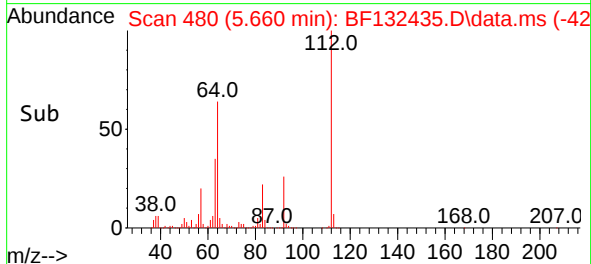
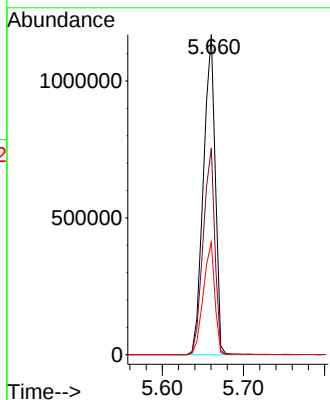
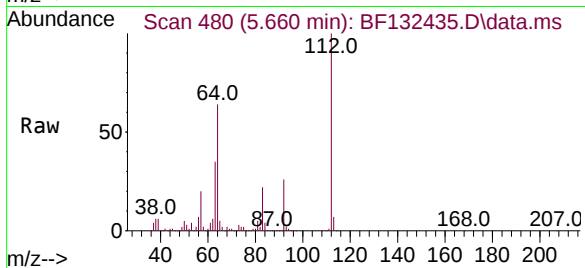
ClientSampleId :

PB150899BS

Tgt Ion:112 Resp: 1188778  
Ion Ratio Lower Upper  
112 100  
64 64.5 49.7 74.5  
63 35.1 25.8 38.8

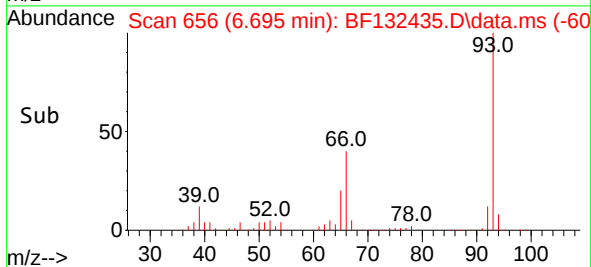
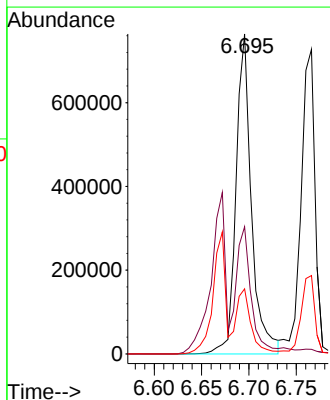
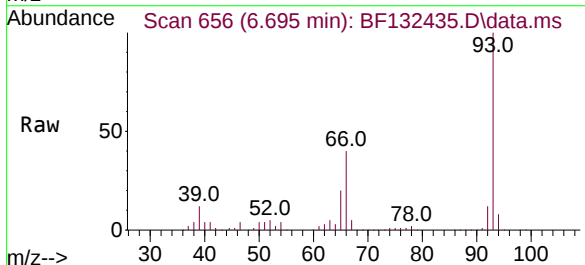
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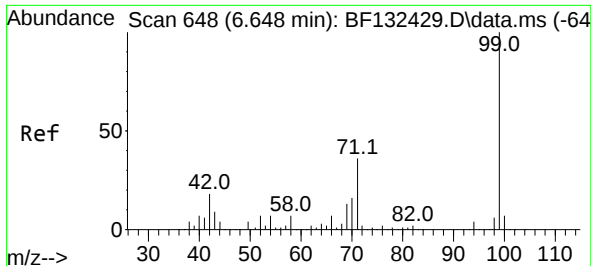
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#6  
Aniline  
Concen: 33.355 ng  
RT: 6.695 min Scan# 656  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

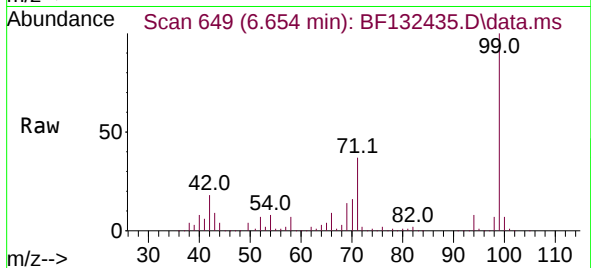
Tgt Ion: 93 Resp: 868713  
Ion Ratio Lower Upper  
93 100  
66 39.7 32.7 49.1  
65 20.4 17.1 25.7





#7  
Phenol-d6  
Concen: 82.879 ng  
RT: 6.654 min Scan# 648  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

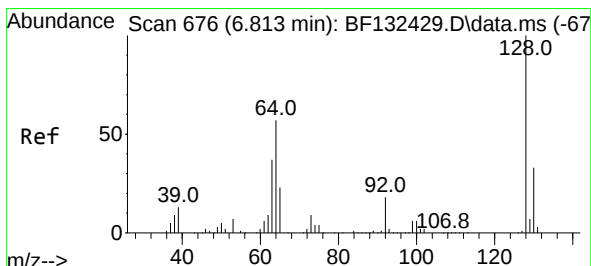
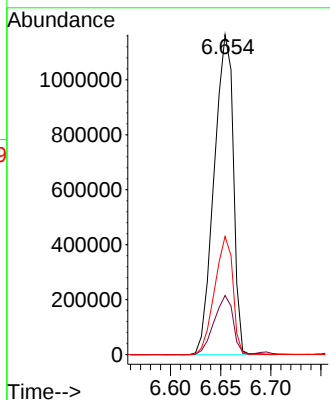
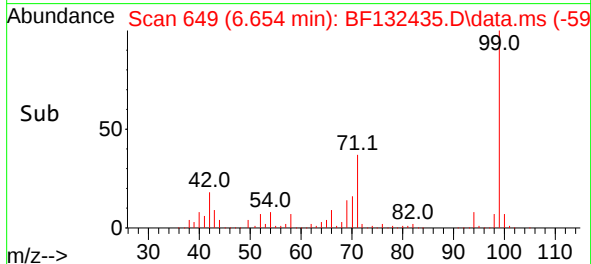
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 1549433  
Ion Ratio Lower Upper  
99 100  
42 18.5 14.6 21.8  
71 36.9 28.7 43.1

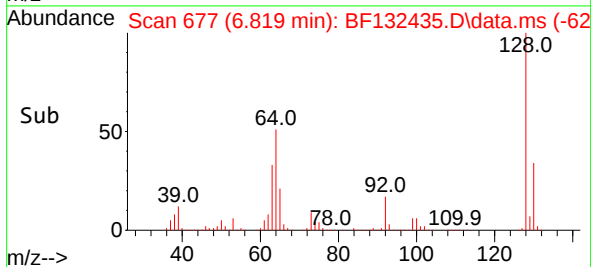
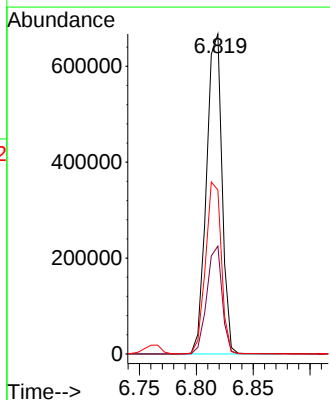
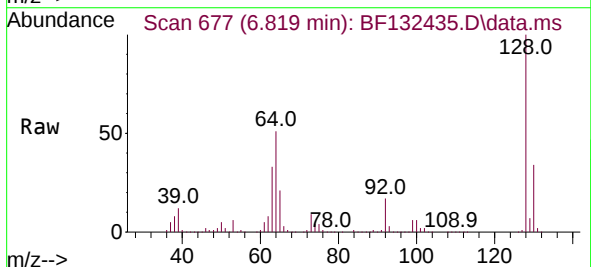
Manual Integrations  
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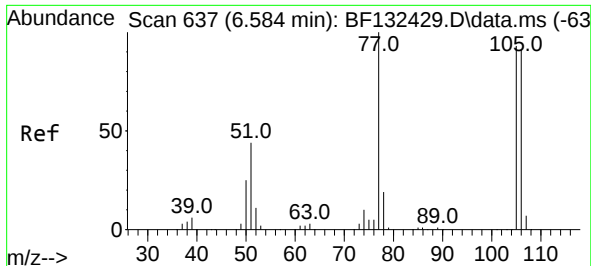
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#8  
2-Chlorophenol  
Concen: 43.717 ng  
RT: 6.819 min Scan# 677  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

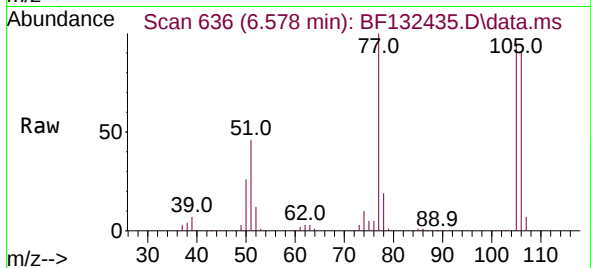
Tgt Ion:128 Resp: 638989  
Ion Ratio Lower Upper  
128 100  
130 33.7 13.0 53.0  
64 51.2 37.9 77.9





#9  
Benzaldehyde  
Concen: 16.514 ng  
RT: 6.578 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

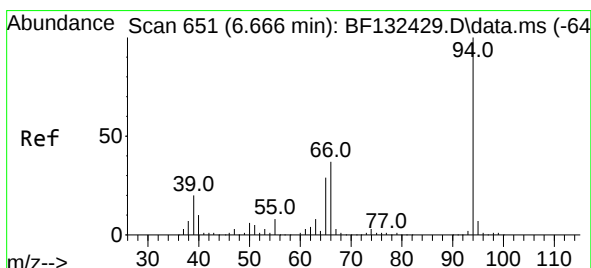
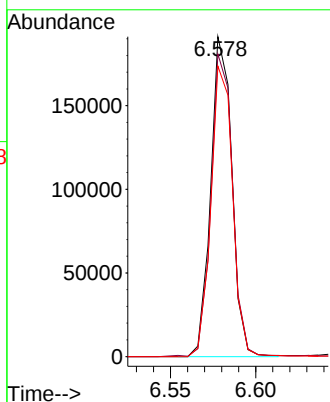
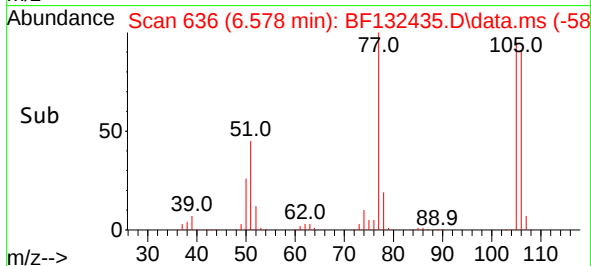
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion: 77 Resp: 165072  
Ion Ratio Lower Upper  
77 100  
105 94.6 73.2 113.2  
106 90.8 71.5 111.5

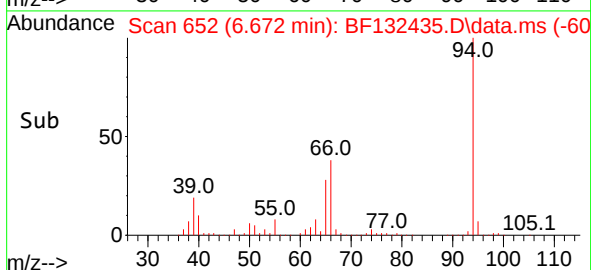
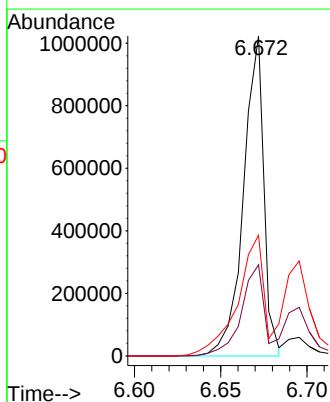
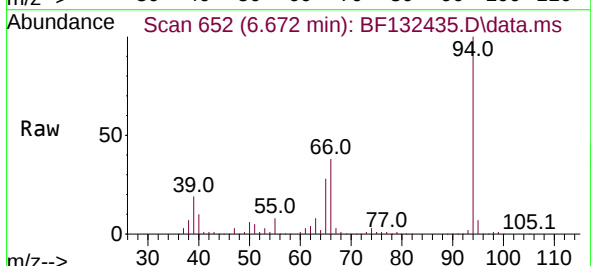
Manual Integrations  
APPROVED

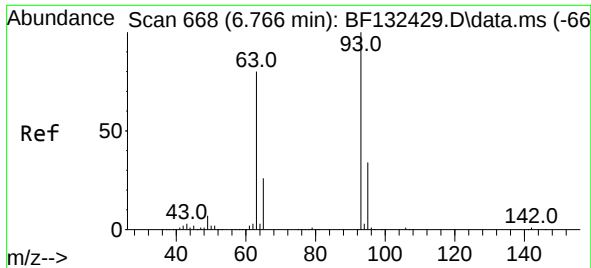
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#10  
Phenol  
Concen: 42.443 ng m  
RT: 6.672 min Scan# 652  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion: 94 Resp: 840887  
Ion Ratio Lower Upper  
94 100  
65 28.5 9.0 49.0  
66 37.7 17.4 57.4





#11  
bis(2-Chloroethyl)ether  
Concen: 44.154 ng  
RT: 6.766 min Scan# 60  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

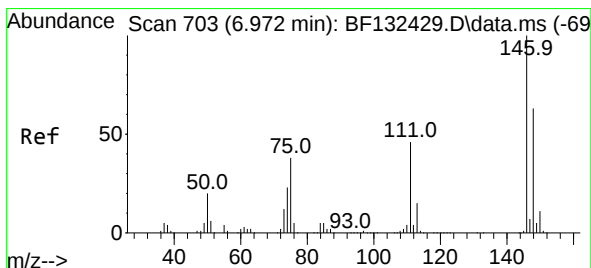
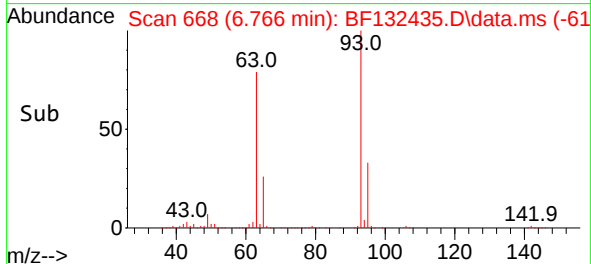
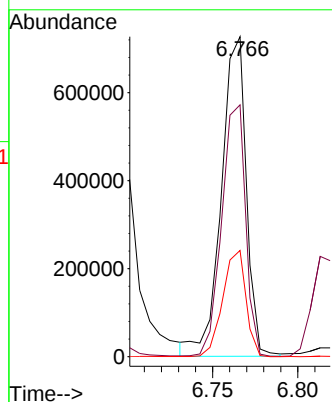
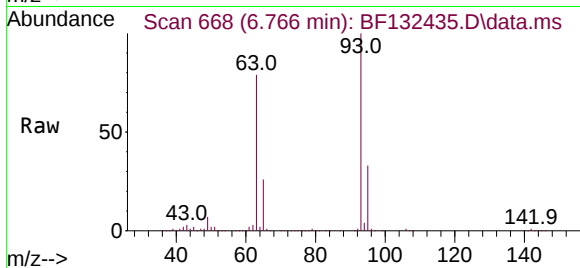
ClientSampleId :

PB150899BS

Tgt Ion: 93 Resp: 742029  
Ion Ratio Lower Upper  
93 100  
63 78.7 58.6 98.6  
95 33.2 13.5 53.5

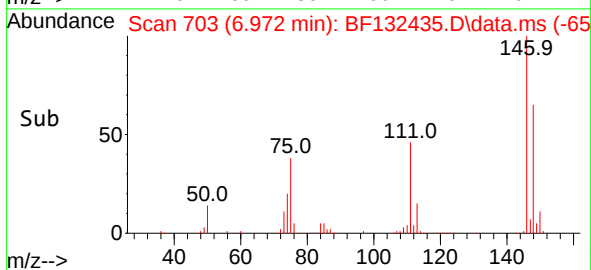
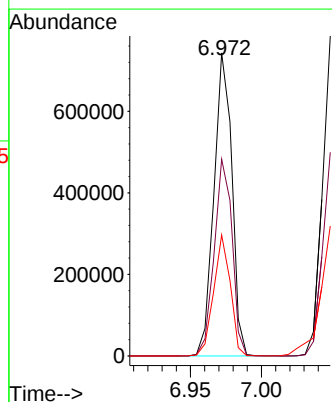
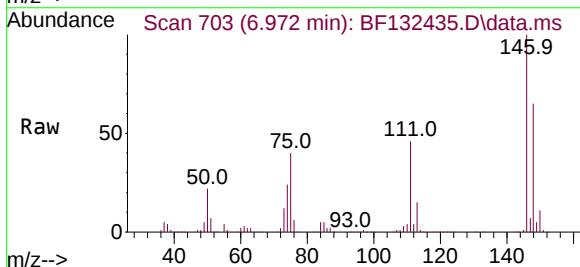
Manual Integrations  
APPROVED

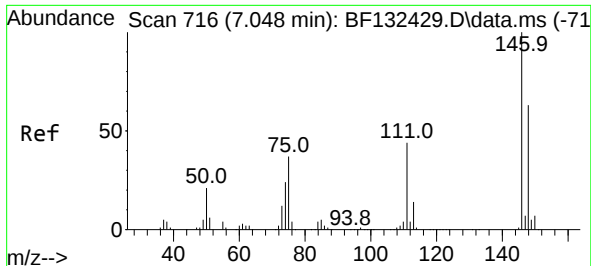
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#12  
1,3-Dichlorobenzene  
Concen: 41.126 ng  
RT: 6.972 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:146 Resp: 654835  
Ion Ratio Lower Upper  
146 100  
148 64.9 50.6 75.8  
75 39.9 30.3 45.5





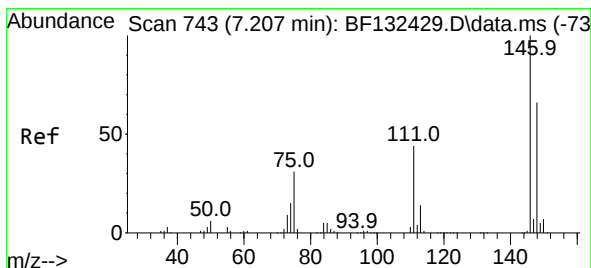
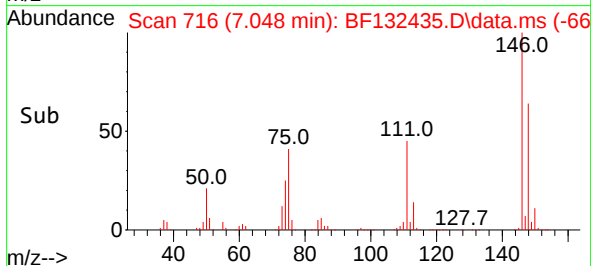
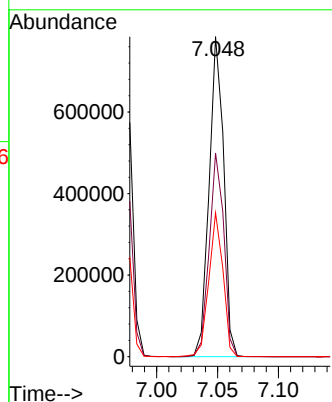
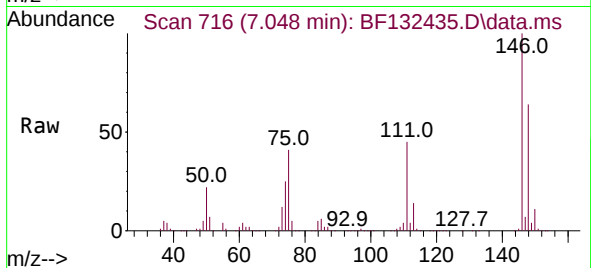
#13  
1,4-Dichlorobenzene  
Concen: 41.191 ng  
RT: 7.048 min Scan# 716  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS

Tgt Ion:146 Resp: 65425  
Ion Ratio Lower Upper  
146 100  
148 63.6 50.6 76.0  
111 44.9 35.0 52.4

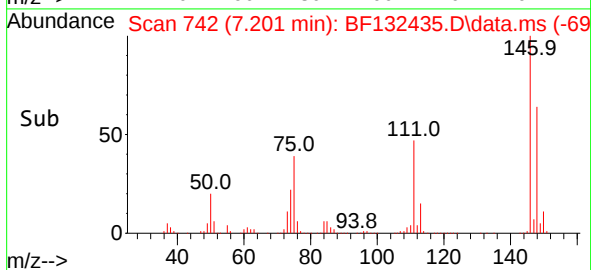
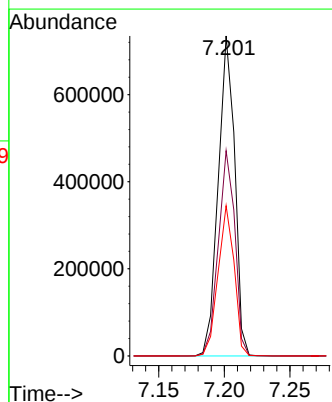
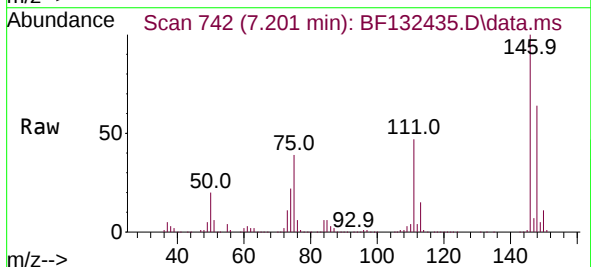
Manual Integrations  
APPROVED

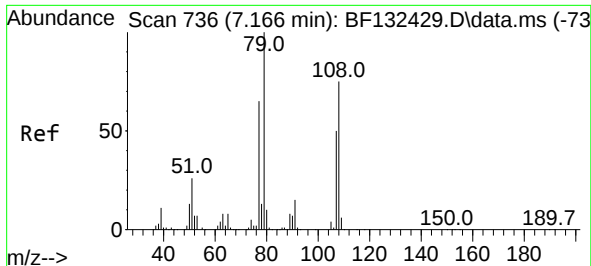
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#14  
1,2-Dichlorobenzene  
Concen: 44.249 ng  
RT: 7.201 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

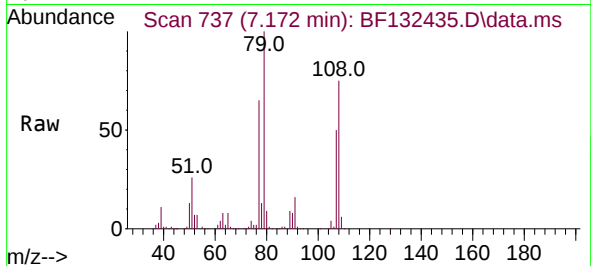
Tgt Ion:146 Resp: 643921  
Ion Ratio Lower Upper  
146 100  
148 64.1 52.4 78.6  
111 46.9 35.5 53.3





#15  
Benzyl Alcohol  
Concen: 45.010 ng  
RT: 7.172 min Scan# 736  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

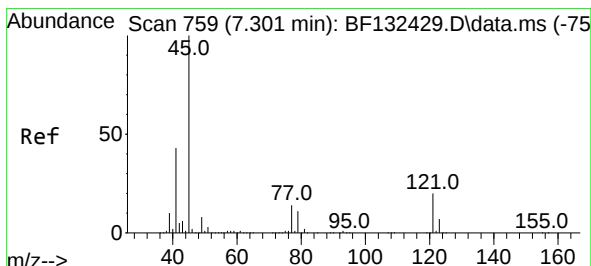
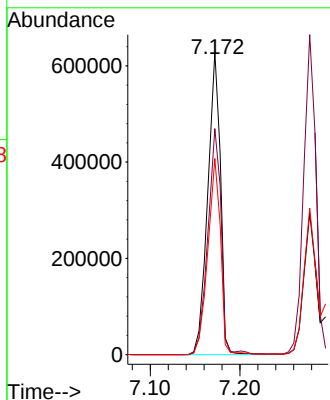
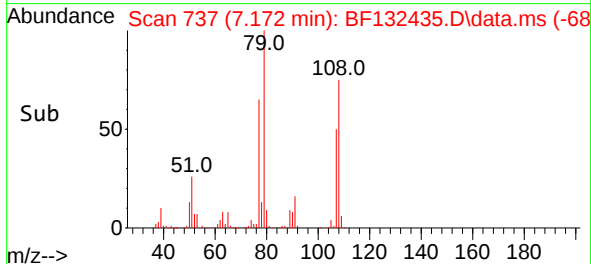
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion: 79 Resp: 622424  
Ion Ratio Lower Upper  
79 100  
108 74.6 59.8 89.6  
77 64.7 51.8 77.6

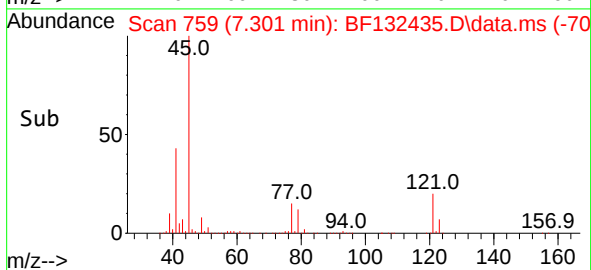
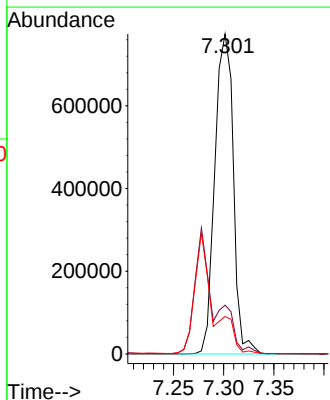
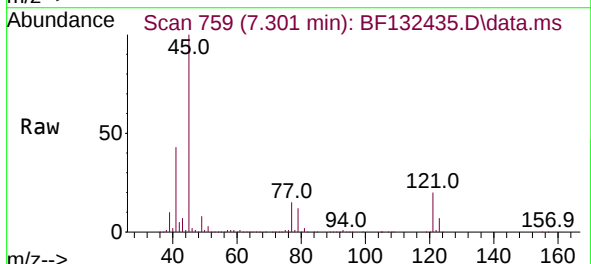
Manual Integrations  
APPROVED

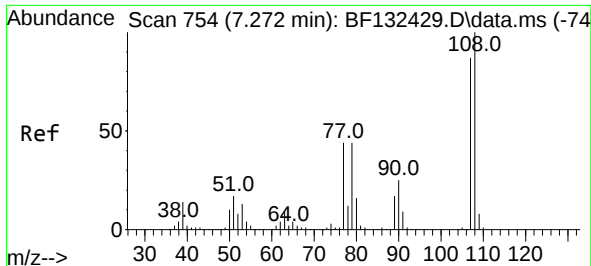
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.409 ng  
RT: 7.301 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

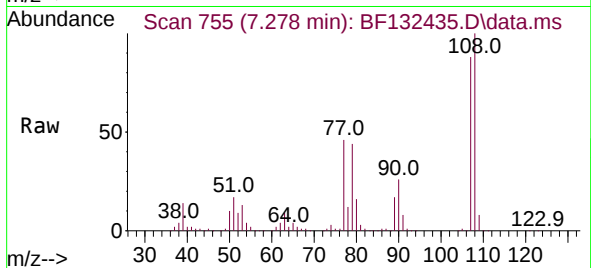
Tgt Ion: 45 Resp: 990965  
Ion Ratio Lower Upper  
45 100  
77 15.2 0.0 34.3  
79 11.7 0.0 31.3





#17  
2-Methylphenol  
Concen: 39.594 ng  
RT: 7.278 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

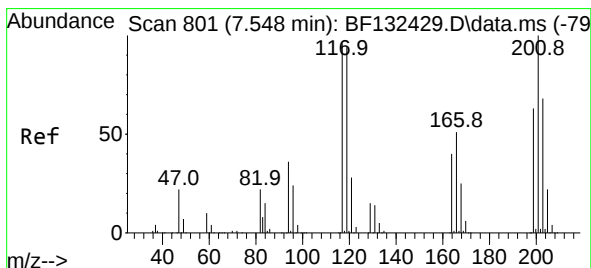
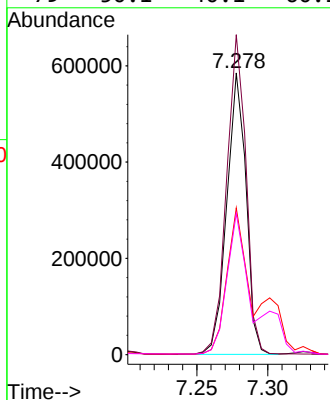
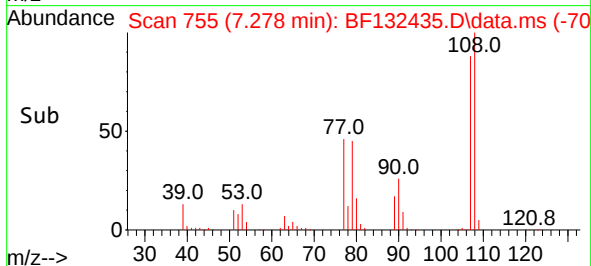
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:107 Resp: 550921  
Ion Ratio Lower Upper  
107 100  
108 113.6 91.7 137.5  
77 52.0 40.7 61.1  
79 50.1 40.1 60.1

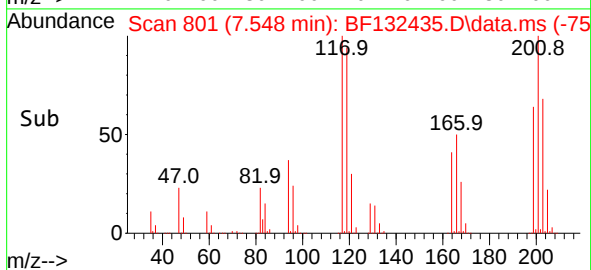
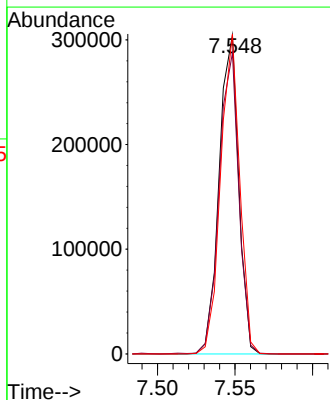
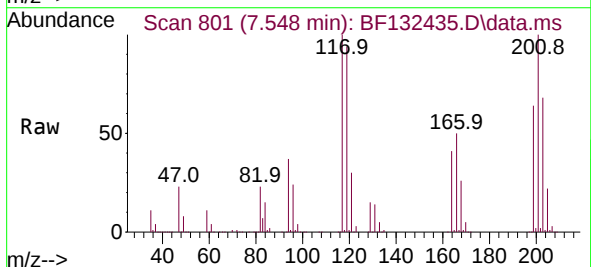
Manual Integrations  
APPROVED

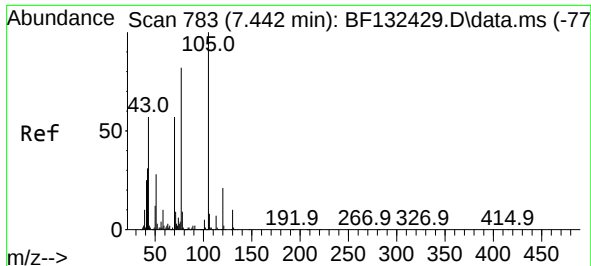
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#18  
Hexachloroethane  
Concen: 44.560 ng  
RT: 7.548 min Scan# 801  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:117 Resp: 267243  
Ion Ratio Lower Upper  
117 100  
119 94.4 78.8 118.2  
201 100.4 83.5 125.3





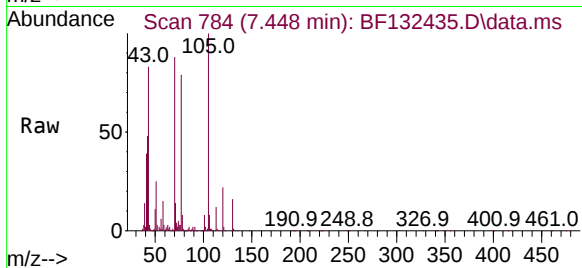
#19  
n-Nitroso-di-n-propylamine  
Concen: 41.154 ng  
RT: 7.448 min Scan# 781  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

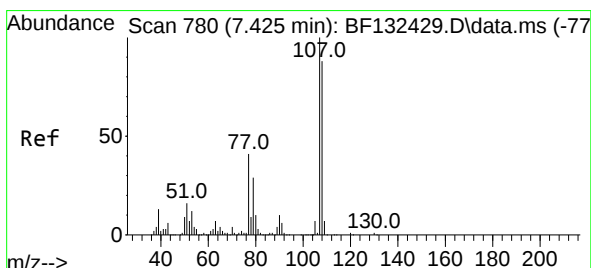
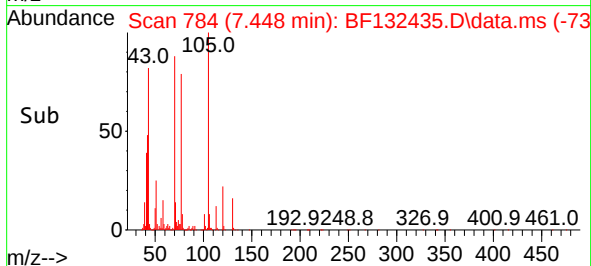
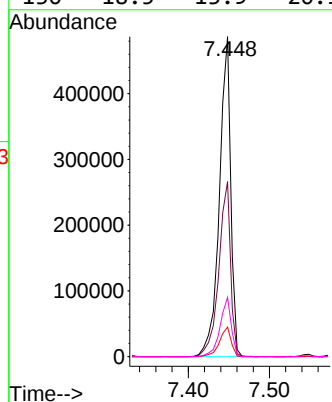


Tgt Ion: 70 Resp: 471671  
Ion Ratio Lower Upper  
70 100  
42 54.7 43.5 65.3  
101 9.2 7.3 10.9  
130 18.5 13.9 20.9

Manual Integrations

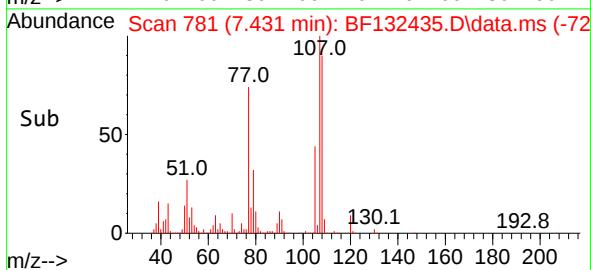
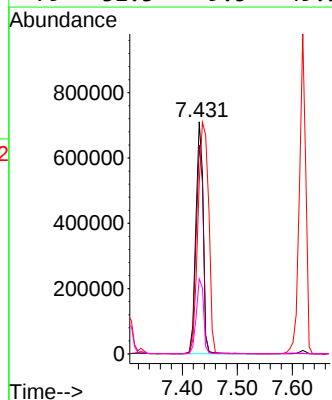
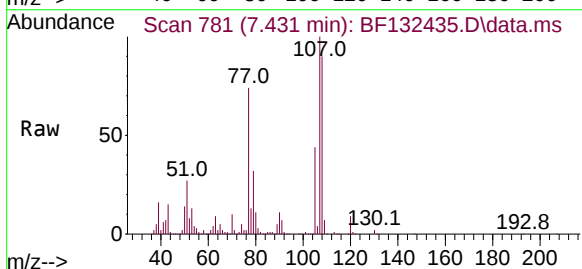
APPROVED

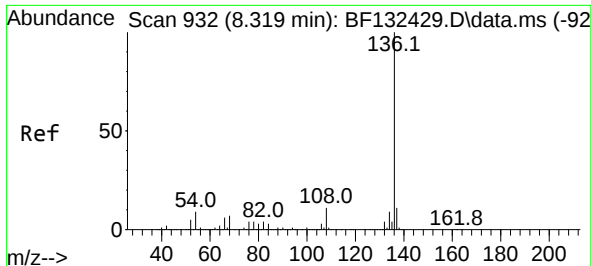
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#20  
3+4-Methylphenols  
Concen: 38.227 ng  
RT: 7.431 min Scan# 781  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

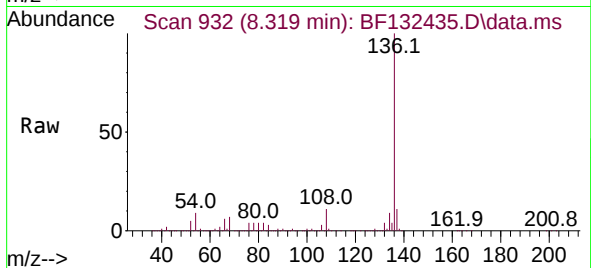
Tgt Ion:107 Resp: 656715  
Ion Ratio Lower Upper  
107 100  
108 89.8 68.1 108.1  
77 74.0 21.3 61.3#  
79 32.3 9.5 49.5





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.319 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

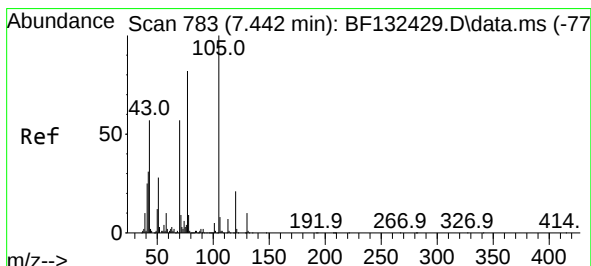
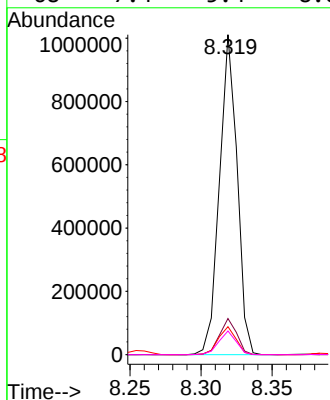
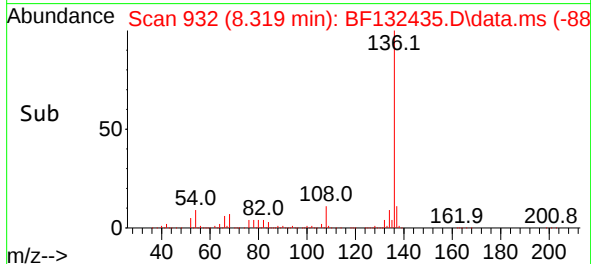
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:136 Resp: 877062  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 8.7 6.9 10.3  
68 7.4 5.4 8.0

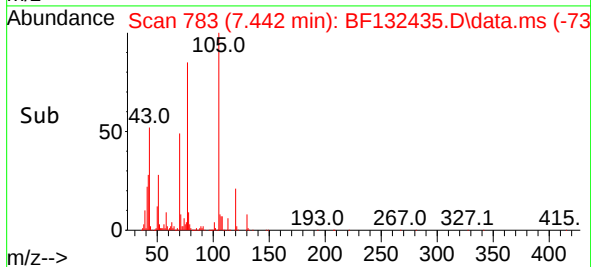
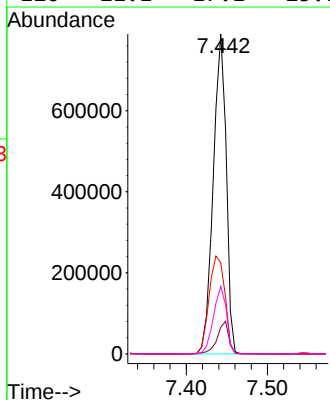
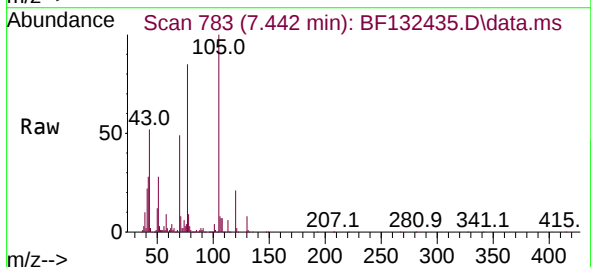
Manual Integrations  
APPROVED

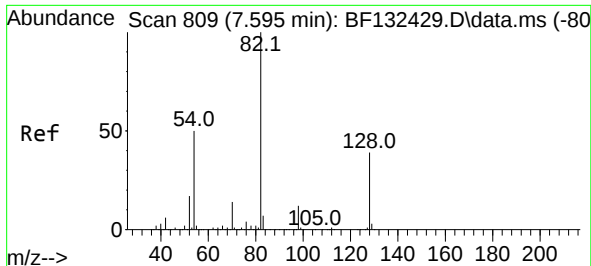
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#22  
Acetophenone  
Concen: 38.623 ng  
RT: 7.442 min Scan# 783  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:105 Resp: 877936  
Ion Ratio Lower Upper  
105 100  
71 8.3 7.3 10.9  
51 28.4 22.2 33.2  
120 21.1 17.1 25.7





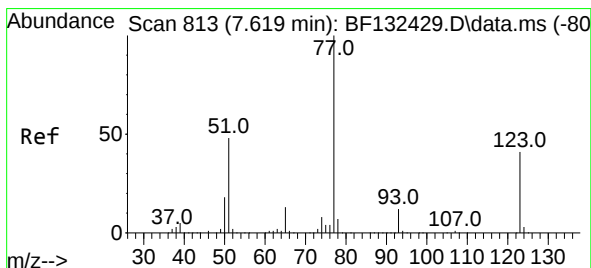
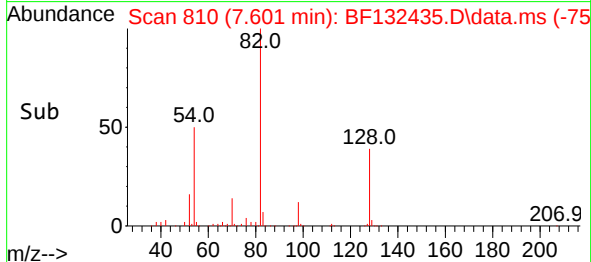
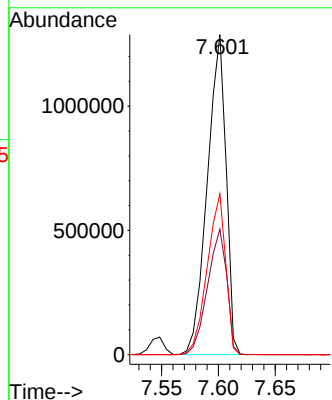
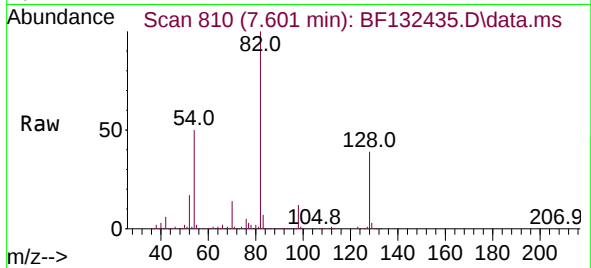
#23  
Nitrobenzene-d5  
Concen: 80.941 ng  
RT: 7.601 min Scan# 810  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS

Tgt Ion: 82 Resp: 1477460  
Ion Ratio Lower Upper  
82 100  
128 39.2 30.8 46.2  
54 50.3 40.2 60.4

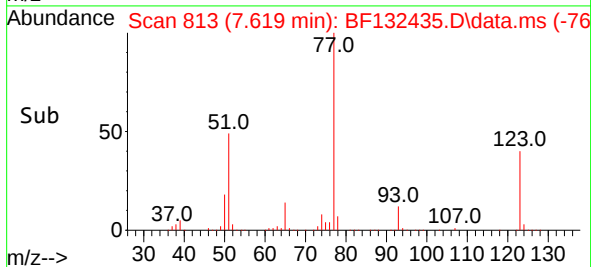
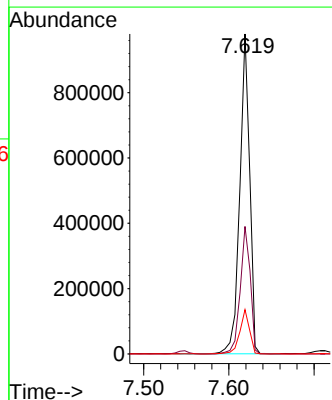
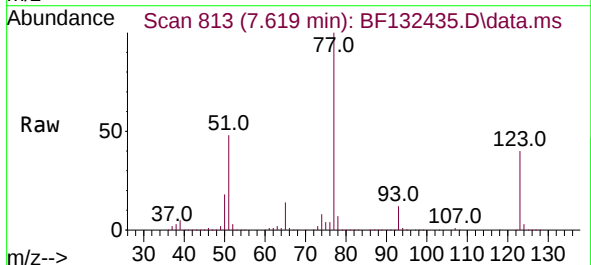
Manual Integrations  
APPROVED

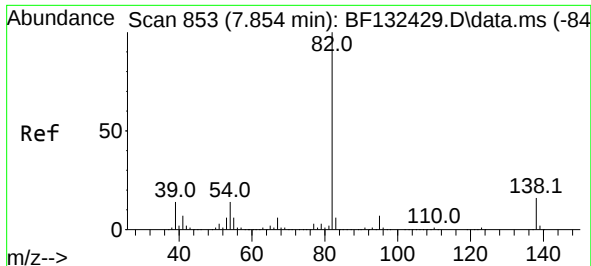
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#24  
Nitrobenzene  
Concen: 39.453 ng  
RT: 7.619 min Scan# 813  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

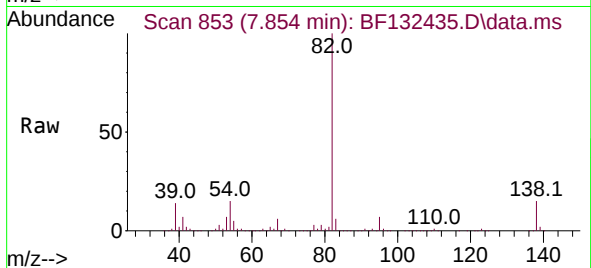
Tgt Ion: 77 Resp: 789571  
Ion Ratio Lower Upper  
77 100  
123 39.8 33.2 49.8  
65 13.8 10.4 15.6





#25  
Isophorone  
Concen: 39.726 ng  
RT: 7.854 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

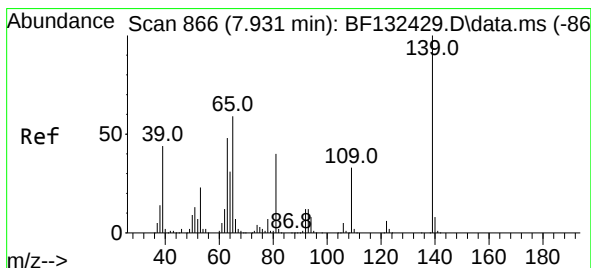
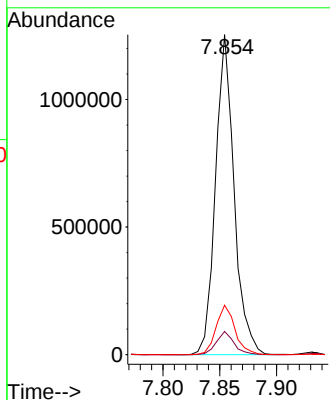
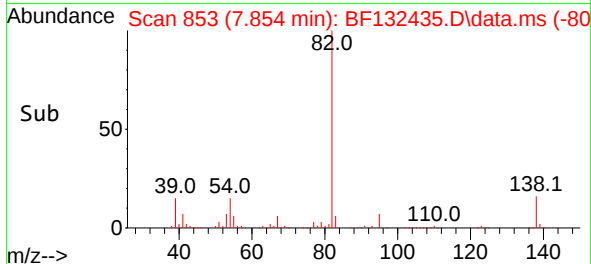
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion: 82 Resp: 142490  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.5 8.3  
138 15.4 12.7 19.1

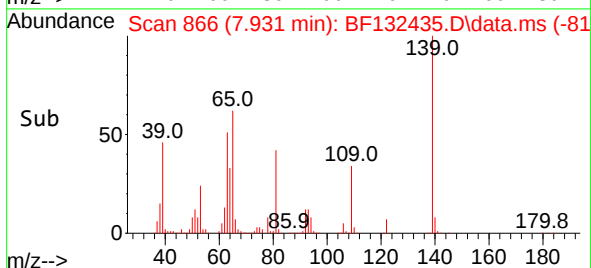
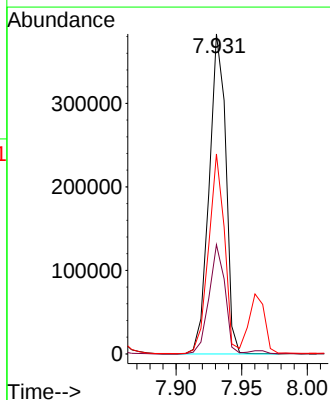
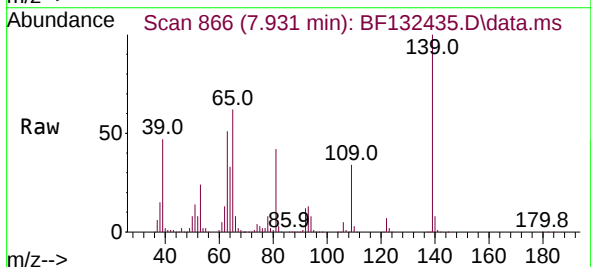
Manual Integrations  
APPROVED

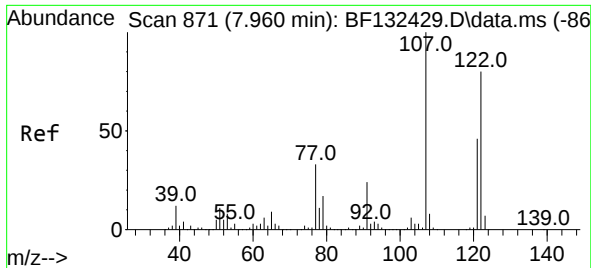
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#26  
2-Nitrophenol  
Concen: 43.654 ng  
RT: 7.931 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:139 Resp: 339619  
Ion Ratio Lower Upper  
139 100  
109 34.1 26.3 39.5  
65 62.5 47.4 71.0





#27  
2,4-Dimethylphenol  
Concen: 40.238 ng  
RT: 7.960 min Scan# 871  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

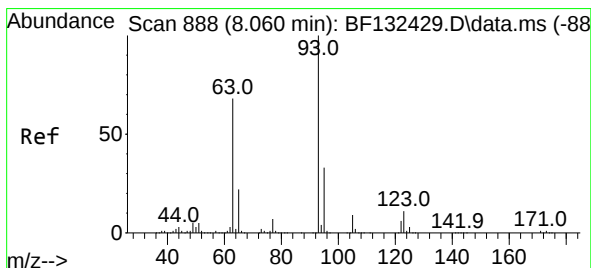
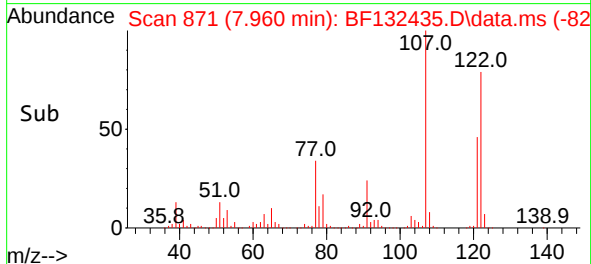
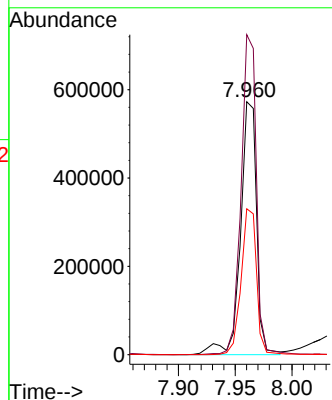
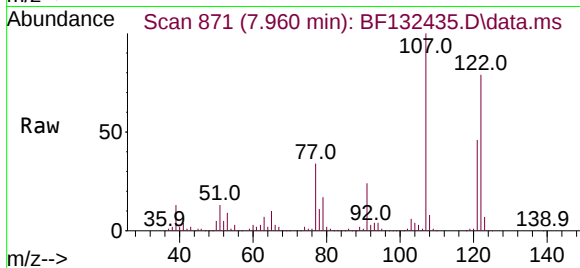
ClientSampleId :

PB150899BS

Tgt Ion:122 Resp: 565203  
Ion Ratio Lower Upper  
122 100  
107 126.5 99.9 149.9  
121 57.7 45.9 68.9

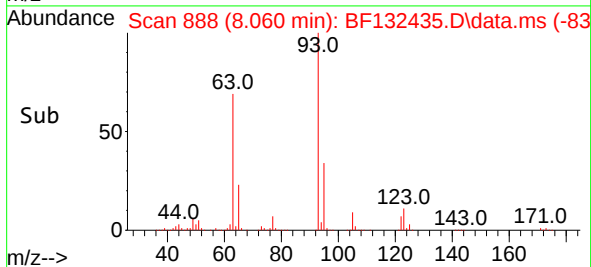
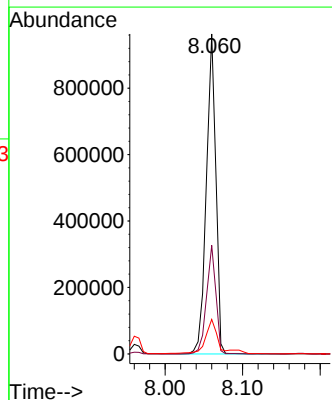
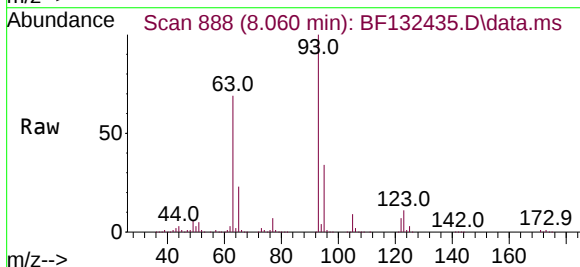
Manual Integrations  
APPROVED

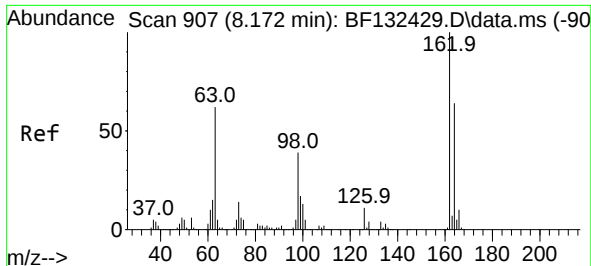
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.194 ng  
RT: 8.060 min Scan# 888  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion: 93 Resp: 821543  
Ion Ratio Lower Upper  
93 100  
95 33.9 26.5 39.7  
123 10.8 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 39.931 ng

RT: 8.172 min Scan# 907

Delta R.T. 0.000 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

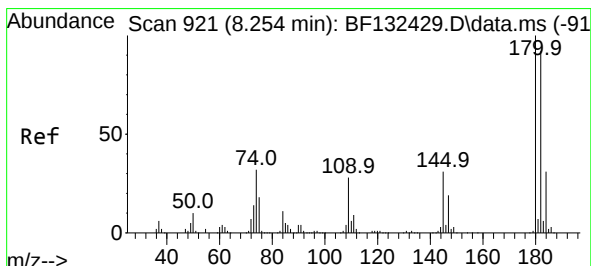
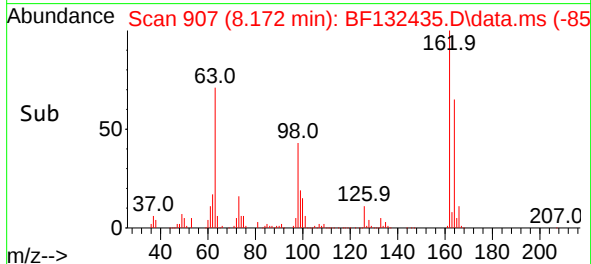
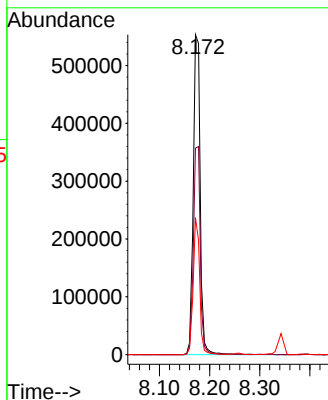
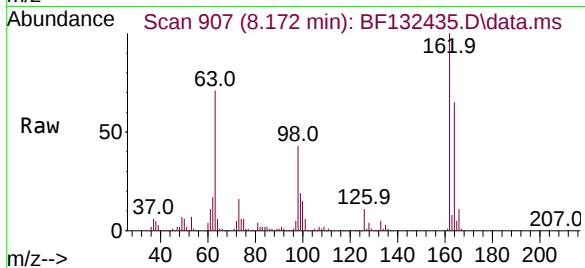
PB150899BS

Tgt Ion:162 Resp: 529139  
 Ion Ratio Lower Upper  
 162 100  
 164 64.5 44.0 84.0  
 98 42.8 19.3 59.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023  
 Supervised By :Jagrut Upadhyay 02/17/2023



#30

1,2,4-Trichlorobenzene

Concen: 39.487 ng

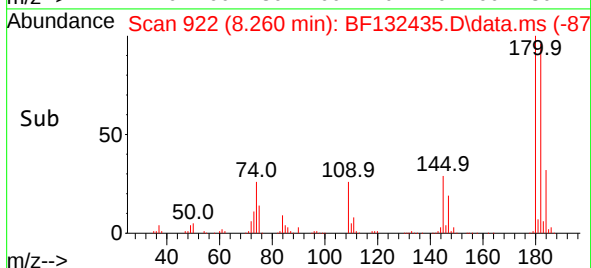
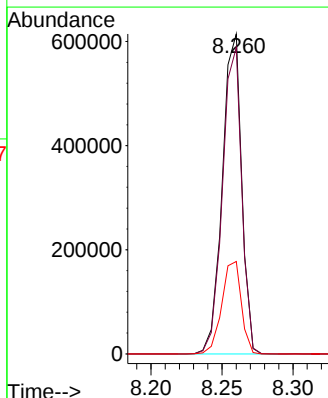
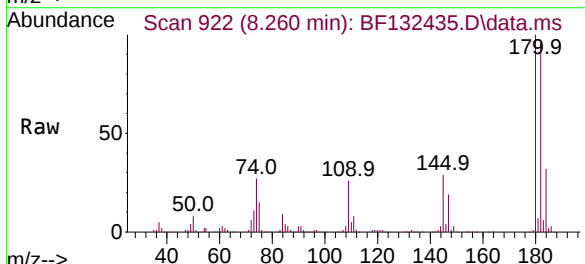
RT: 8.260 min Scan# 922

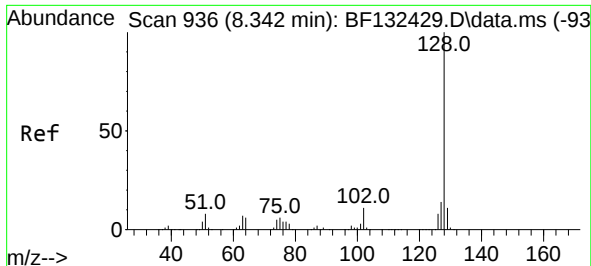
Delta R.T. 0.006 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

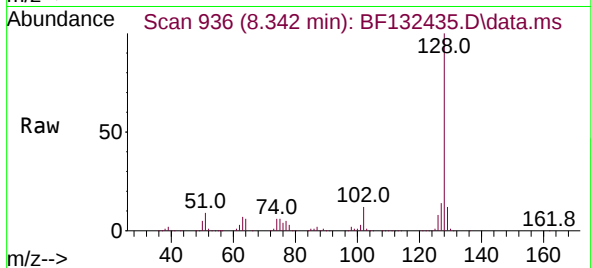
Tgt Ion:180 Resp: 581941  
 Ion Ratio Lower Upper  
 180 100  
 182 95.7 73.8 110.8  
 145 28.9 24.4 36.6





#31  
Naphthalene  
Concen: 37.088 ng  
RT: 8.342 min Scan# 936  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

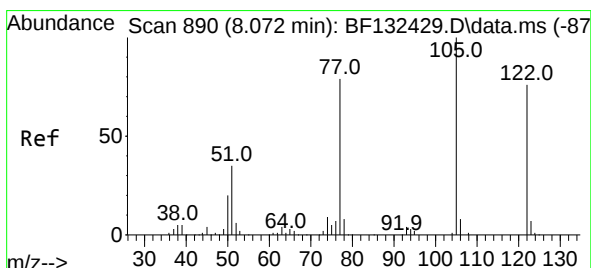
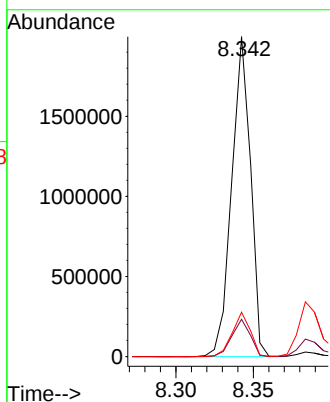
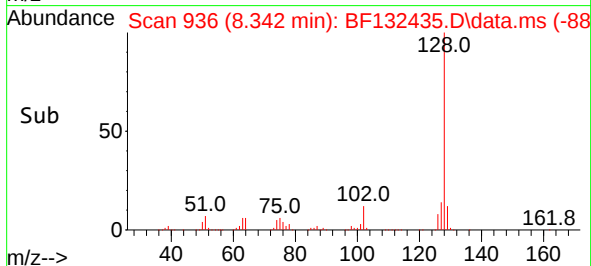
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:128 Resp: 1688120  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.0 13.4  
127 13.9 11.0 16.4

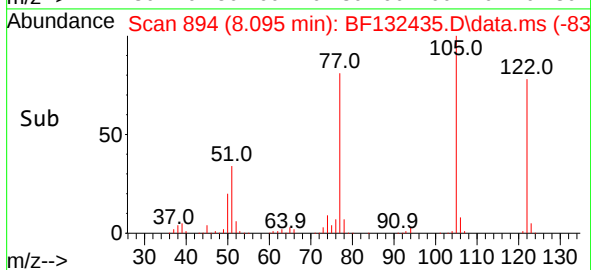
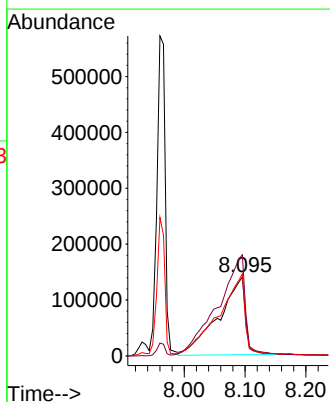
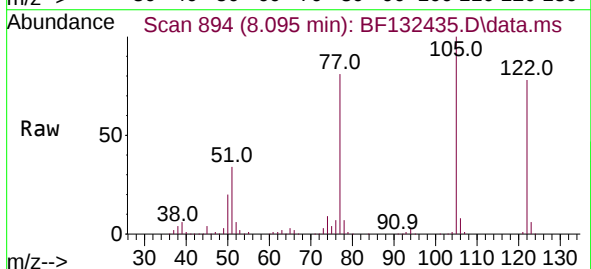
Manual Integrations  
APPROVED

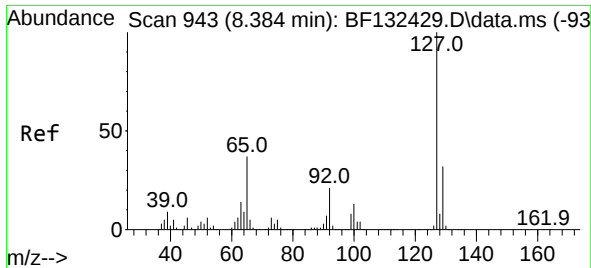
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#32  
Benzoic acid  
Concen: 43.105 ng  
RT: 8.095 min Scan# 894  
Delta R.T. 0.023 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:122 Resp: 428544  
Ion Ratio Lower Upper  
122 100  
105 128.4 109.7 149.7  
77 104.0 83.8 123.8





#33  
4-Chloroaniline  
Concen: 20.389 ng  
RT: 8.384 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

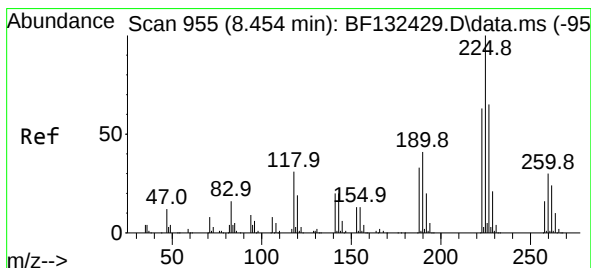
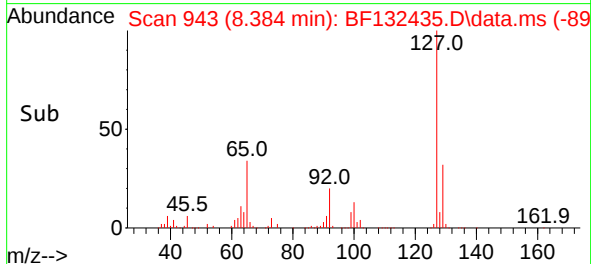
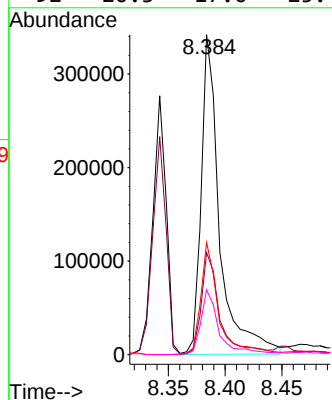
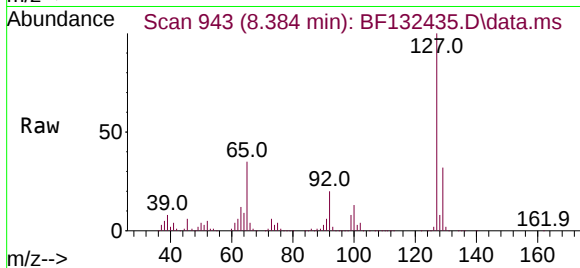
ClientSampleId :

PB150899BS

Tgt Ion:127 Resp: 385564  
Ion Ratio Lower Upper  
127 100  
129 31.9 25.9 38.9  
65 35.1 29.8 44.6  
92 20.3 17.0 25.4

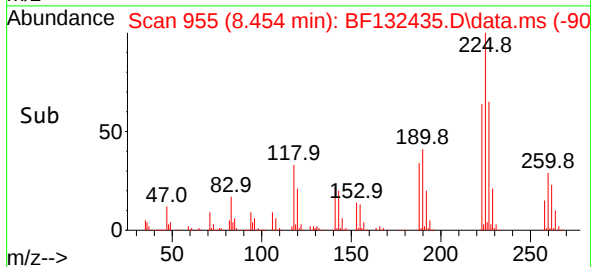
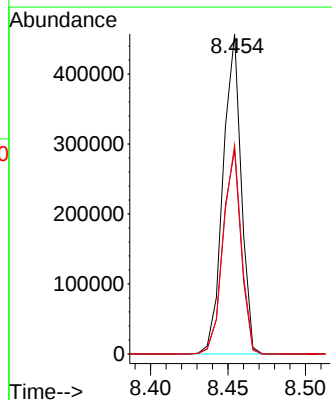
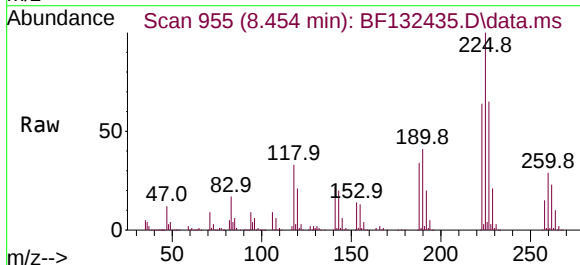
Manual Integrations  
APPROVED

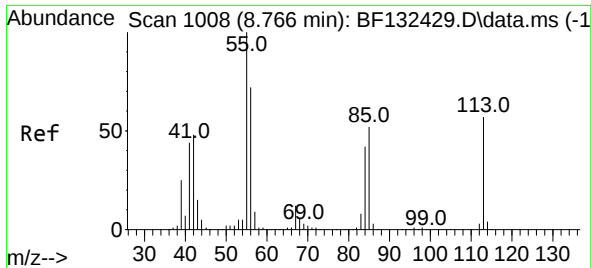
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#34  
Hexachlorobutadiene  
Concen: 39.958 ng  
RT: 8.454 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

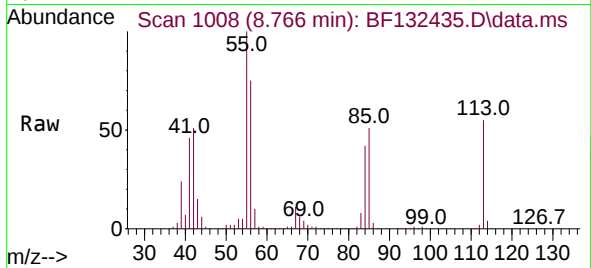
Tgt Ion:225 Resp: 371776  
Ion Ratio Lower Upper  
225 100  
223 63.7 50.6 76.0  
227 65.3 52.2 78.4





#35  
Caprolactam  
Concen: 44.408 ng m  
RT: 8.766 min Scan# 1008  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

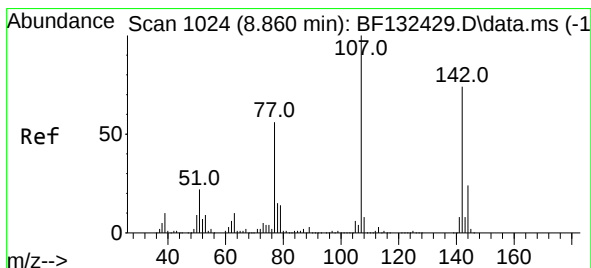
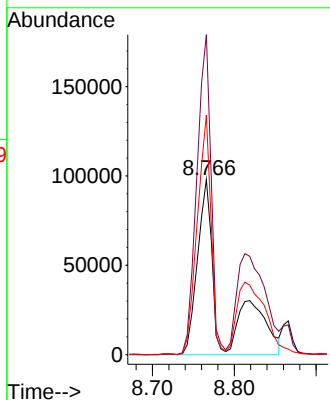
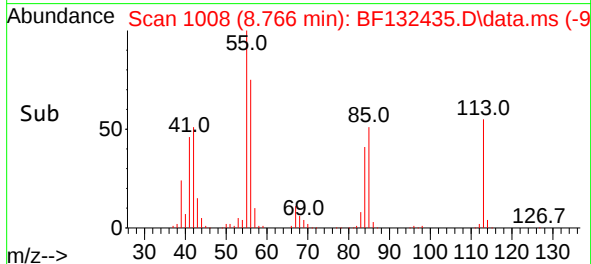
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:113 Resp: 191044  
Ion Ratio Lower Upper  
113 100  
55 182.7 155.8 195.8  
56 136.8 107.3 147.3

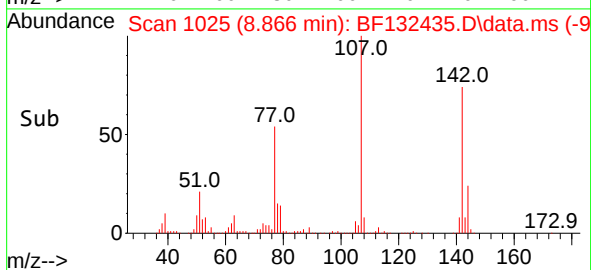
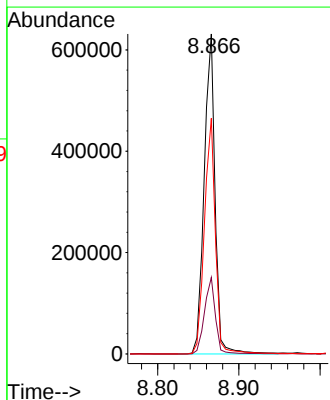
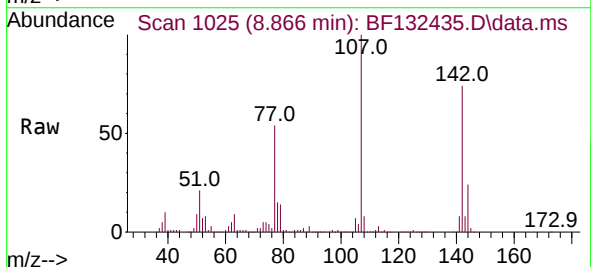
Manual Integrations  
APPROVED

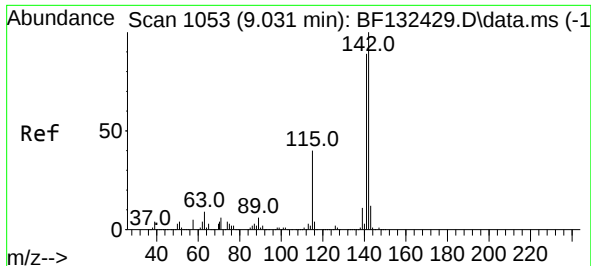
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#36  
4-Chloro-3-methylphenol  
Concen: 39.912 ng  
RT: 8.866 min Scan# 1025  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:107 Resp: 591785  
Ion Ratio Lower Upper  
107 100  
144 23.9 18.8 28.2  
142 73.6 58.8 88.2





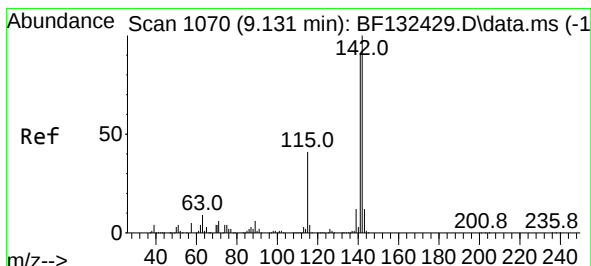
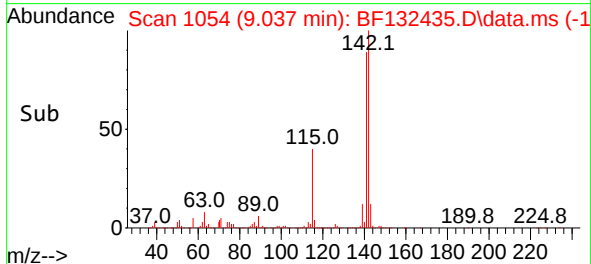
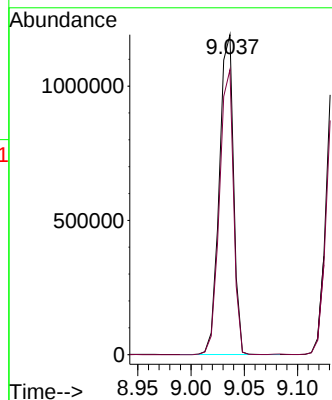
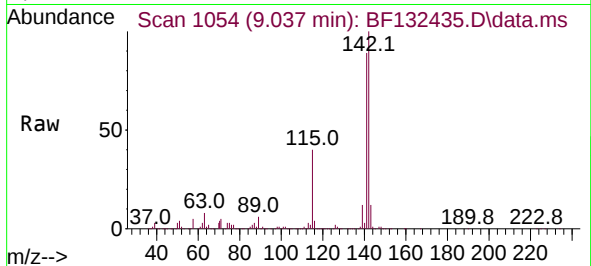
#37  
2-Methylnaphthalene  
Concen: 36.269 ng  
RT: 9.037 min Scan# 1053  
Delta R.T. 0.005 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS

Tgt Ion:142 Resp: 1111013  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.2 106.8

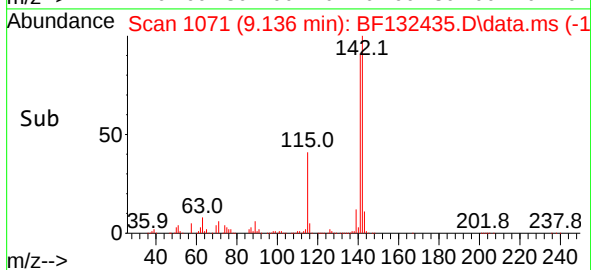
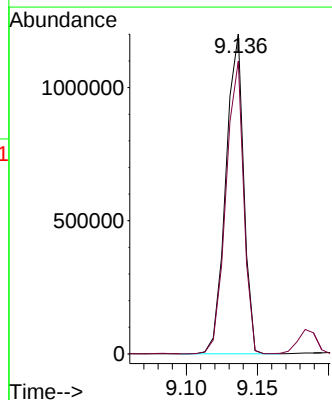
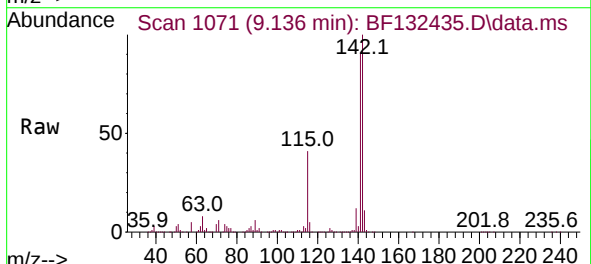
Manual Integrations  
APPROVED

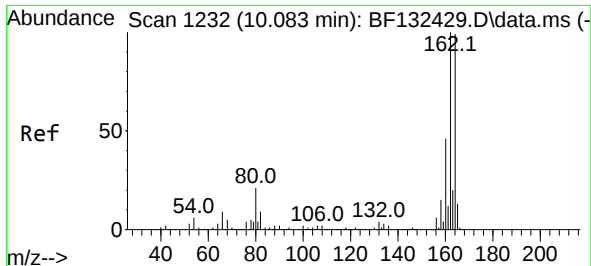
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#38  
1-Methylnaphthalene  
Concen: 36.615 ng  
RT: 9.136 min Scan# 1071  
Delta R.T. 0.005 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

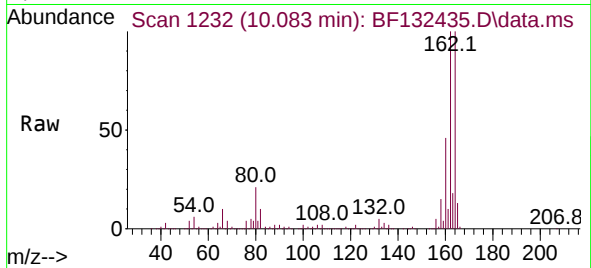
Tgt Ion:142 Resp: 1053762  
Ion Ratio Lower Upper  
142 100  
141 91.5 72.7 109.1





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.083 min Scan# 1232  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

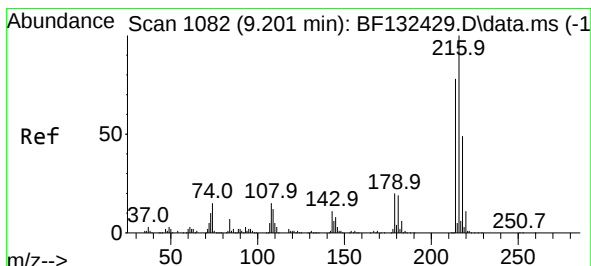
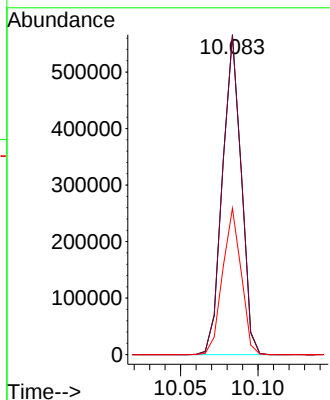
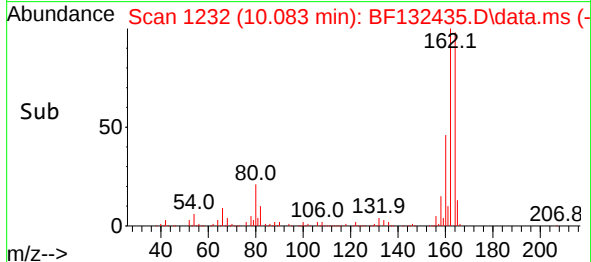
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



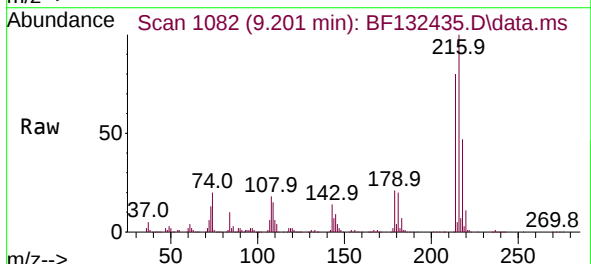
Tgt Ion:164 Resp: 473898  
Ion Ratio Lower Upper  
164 100  
162 99.8 80.8 121.2  
160 45.7 37.2 55.8

Manual Integrations  
APPROVED

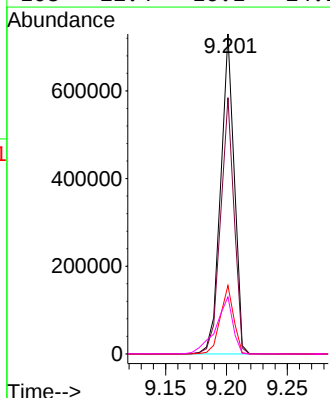
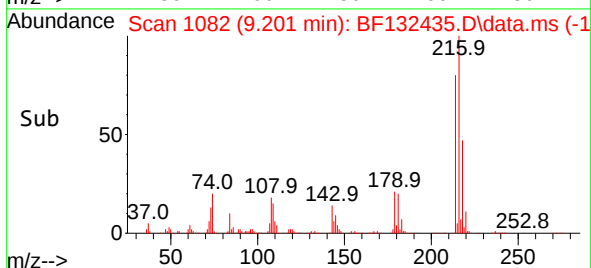
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

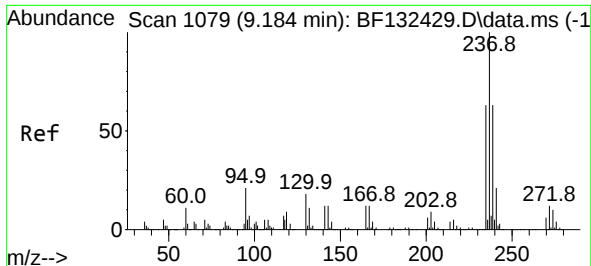


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.005 ng  
RT: 9.201 min Scan# 1082  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



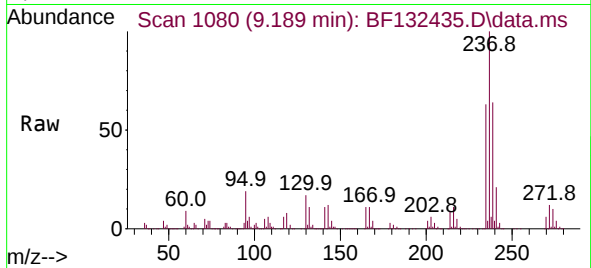
Tgt Ion:216 Resp: 568233  
Ion Ratio Lower Upper  
216 100  
214 79.4 63.4 95.2  
179 21.0 16.4 24.6  
108 22.4 16.1 24.1





#41  
Hexachlorocyclopentadiene  
Concen: 84.703 ng  
RT: 9.189 min Scan# 1079  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

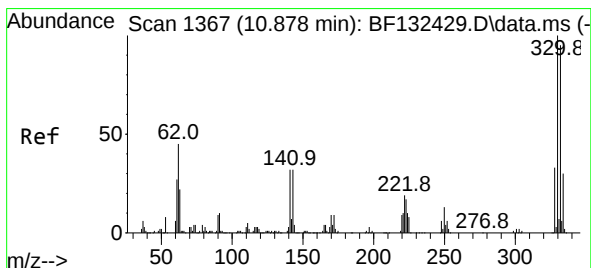
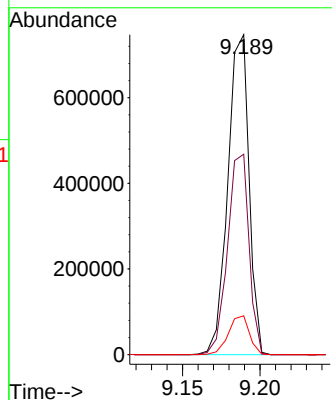
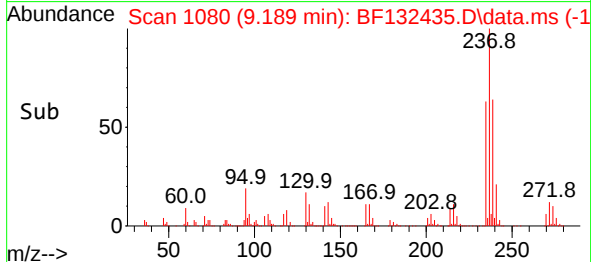
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



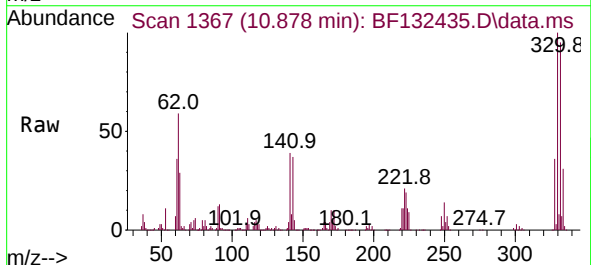
Tgt Ion: 237 Resp: 714384  
Ion Ratio Lower Upper  
237 100  
235 62.6 43.1 83.1  
272 12.1 0.0 32.3

Manual Integrations  
APPROVED

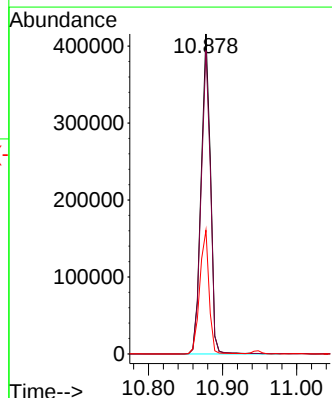
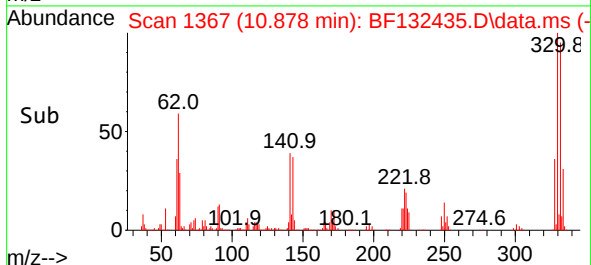
Reviewed By : Christian Giraldo 02/17/2023  
Supervised By : Jagrut Upadhyay 02/17/2023

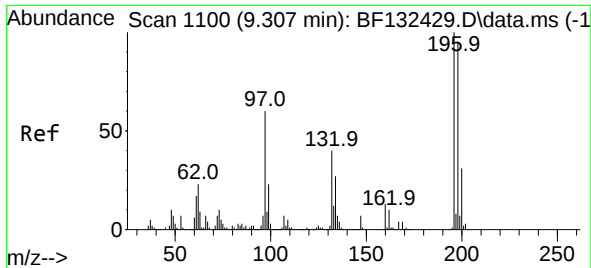


#42  
2,4,6-Tribromophenol  
Concen: 76.896 ng  
RT: 10.878 min Scan# 1367  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



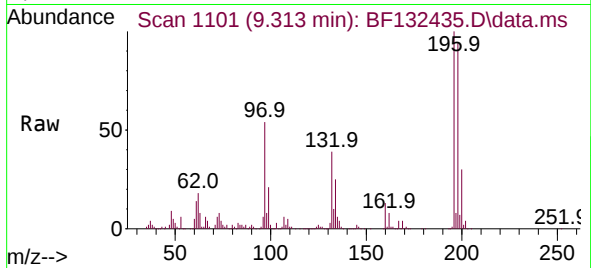
Tgt Ion: 330 Resp: 363584  
Ion Ratio Lower Upper  
330 100  
332 95.1 76.3 114.5  
141 38.6 30.3 45.5





#43  
2,4,6-Trichlorophenol  
Concen: 39.502 ng  
RT: 9.313 min Scan# 1100  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

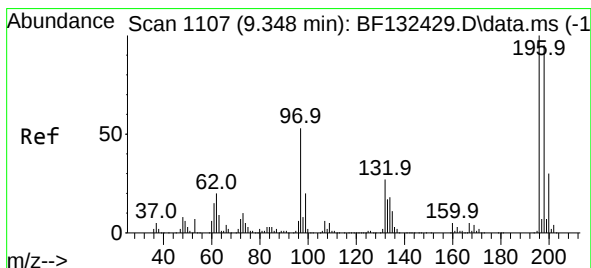
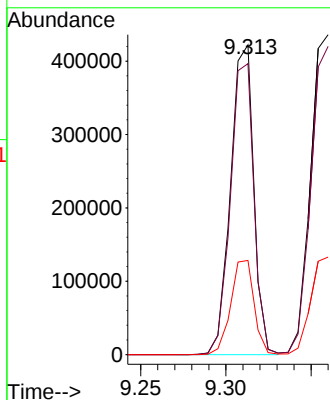
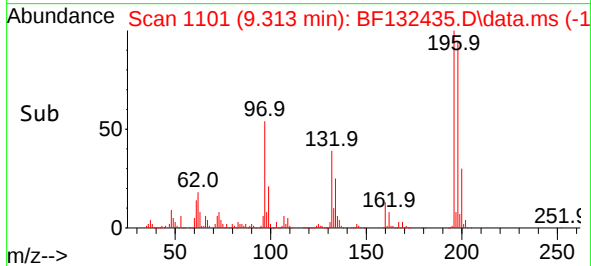
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



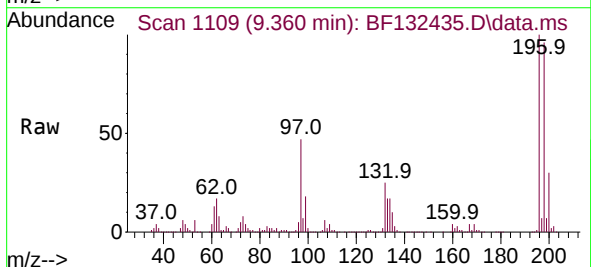
Tgt Ion:196 Resp: 399572  
Ion Ratio Lower Upper  
196 100  
198 94.0 76.3 114.5  
200 30.4 24.8 37.2

Manual Integrations  
APPROVED

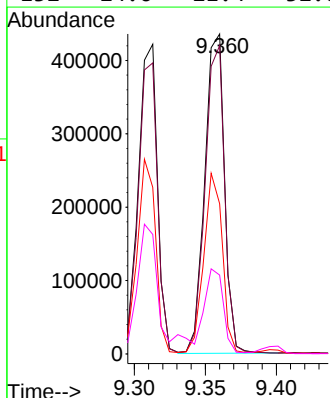
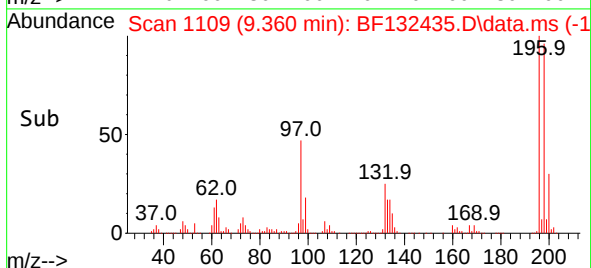
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

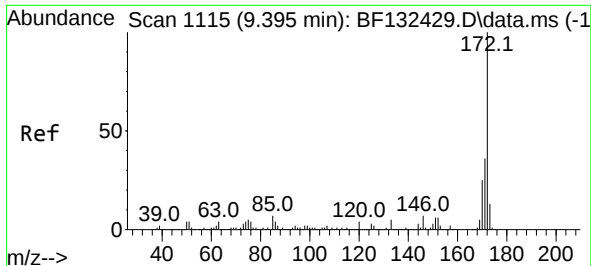


#44  
2,4,5-Trichlorophenol  
Concen: 35.710 ng  
RT: 9.360 min Scan# 1109  
Delta R.T. 0.012 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



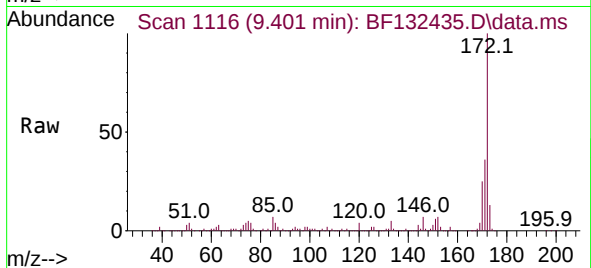
Tgt Ion:196 Resp: 420730  
Ion Ratio Lower Upper  
196 100  
198 96.3 76.2 114.4  
97 46.9 42.4 63.6  
132 24.6 21.4 32.0





#45  
2-Fluorobiphenyl  
Concen: 69.217 ng  
RT: 9.401 min Scan# 1116  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

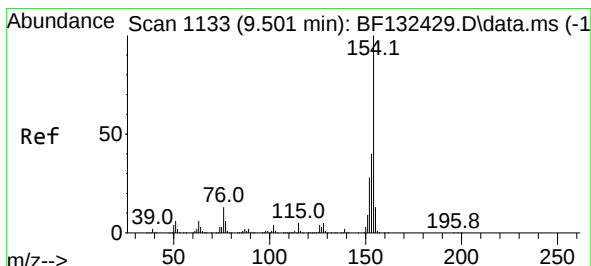
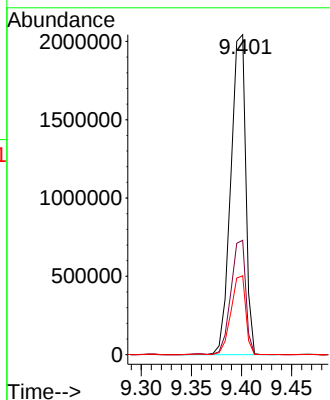
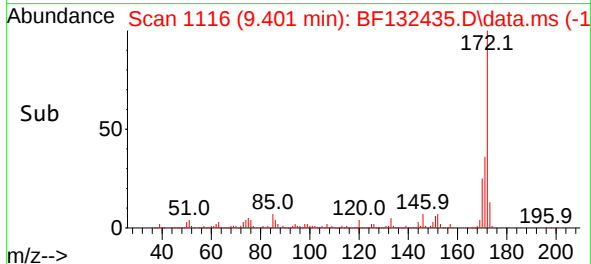
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



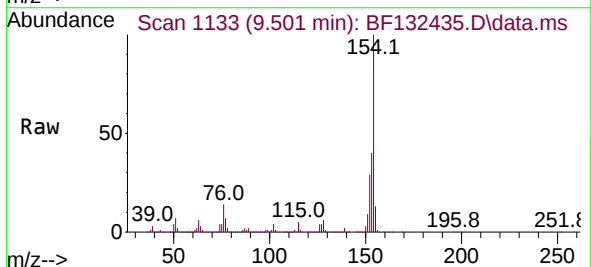
Tgt Ion:172 Resp: 2124048  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.6 42.8  
170 24.6 19.9 29.9

Manual Integrations  
APPROVED

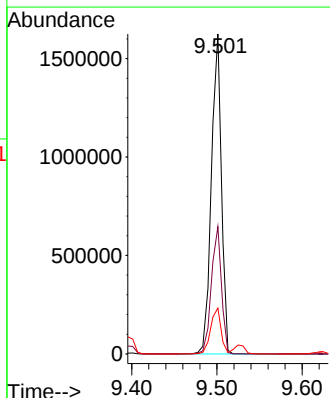
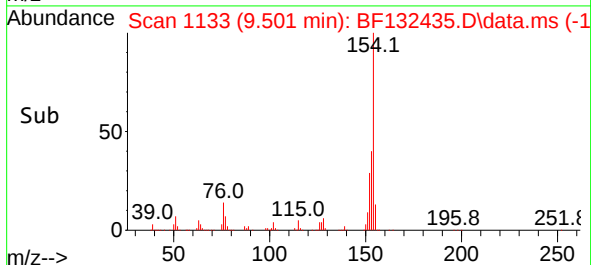
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

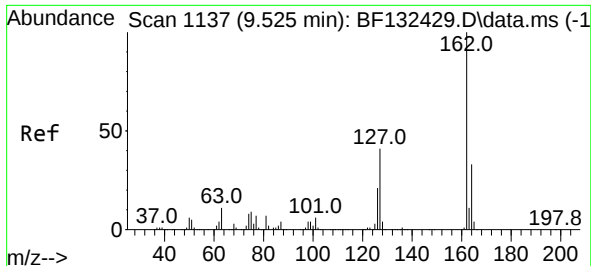


#46  
1,1'-Biphenyl  
Concen: 36.224 ng  
RT: 9.501 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:154 Resp: 1328635  
Ion Ratio Lower Upper  
154 100  
153 39.8 20.2 60.2  
76 14.3 0.0 33.3





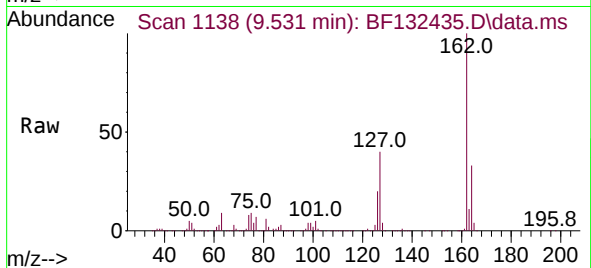
#47  
2-Chloronaphthalene  
Concen: 37.548 ng  
RT: 9.531 min Scan# 1138  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

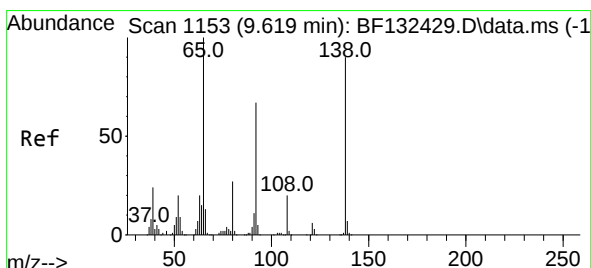
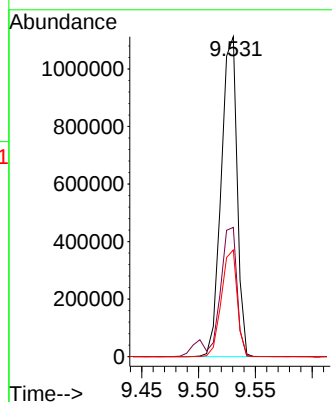
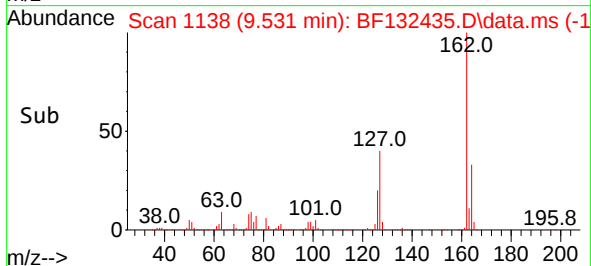


Tgt Ion:162 Resp: 1080963  
Ion Ratio Lower Upper  
162 100  
127 40.4 33.0 49.4  
164 33.3 26.6 39.8

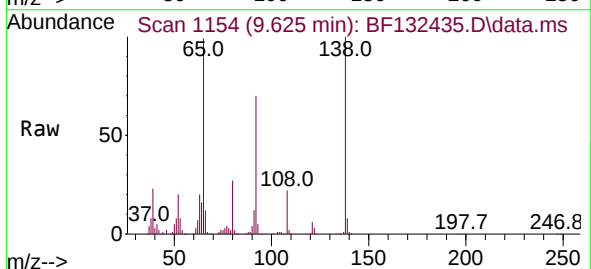
Manual Integrations

APPROVED

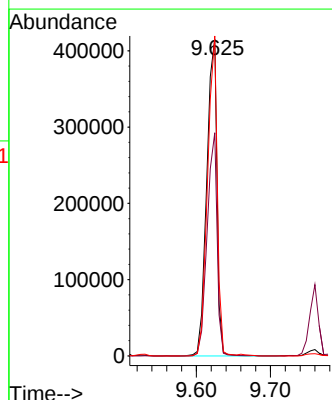
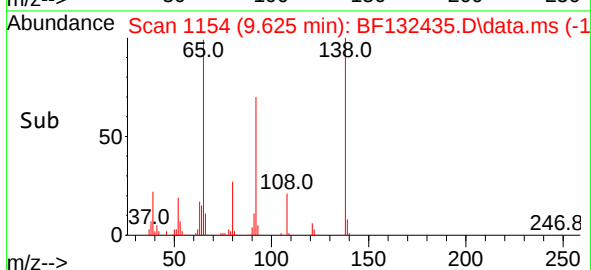
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

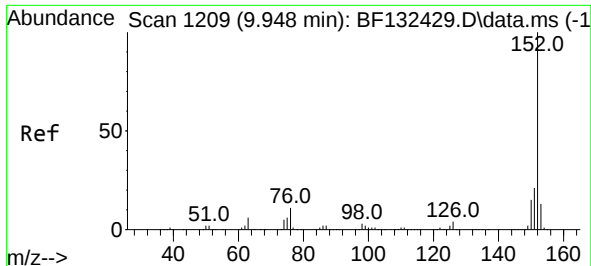


#48  
2-Nitroaniline  
Concen: 39.231 ng  
RT: 9.625 min Scan# 1154  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion: 65 Resp: 396266  
Ion Ratio Lower Upper  
65 100  
92 70.4 53.5 80.3  
138 100.9 72.2 108.4





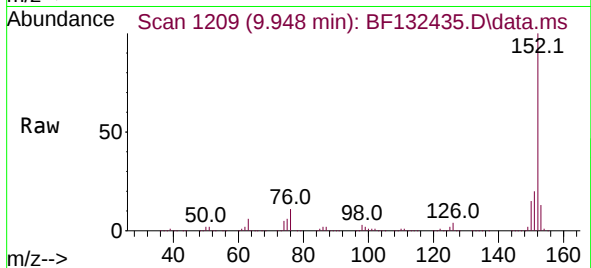
#49  
Acenaphthylene  
Concen: 36.108 ng  
RT: 9.948 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

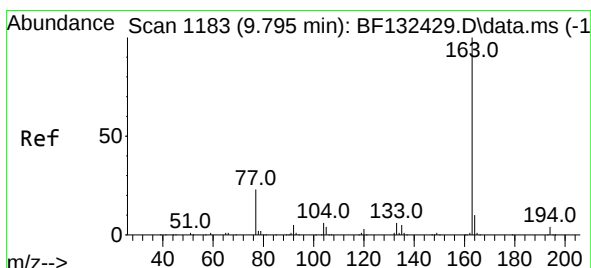
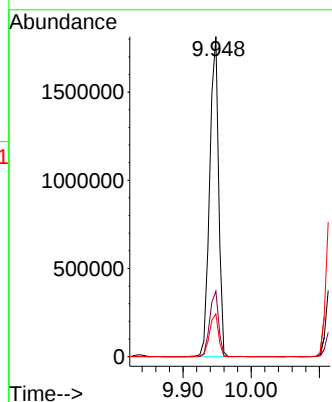
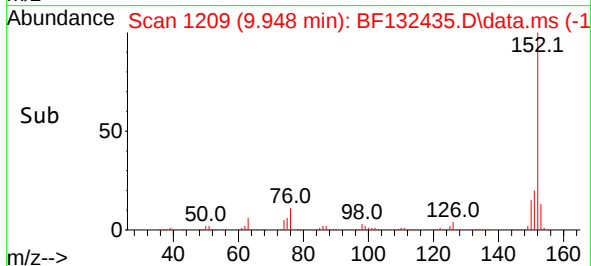


Tgt Ion:152 Resp: 1651595  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.4 24.6  
153 13.3 10.7 16.1

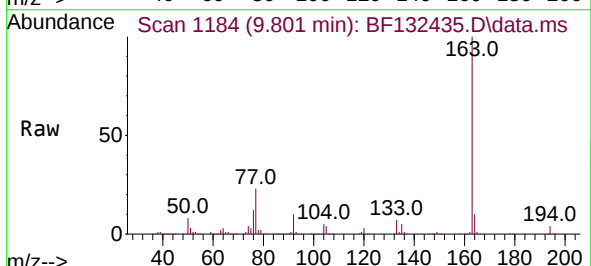
Manual Integrations

APPROVED

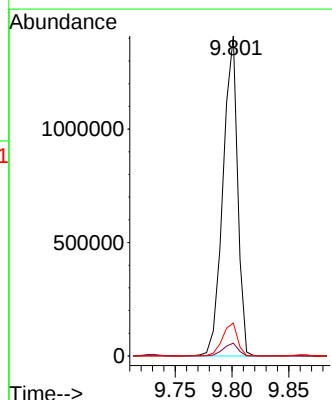
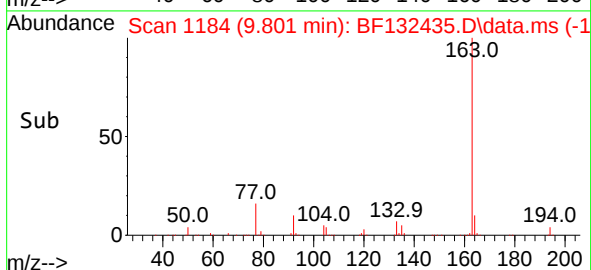
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

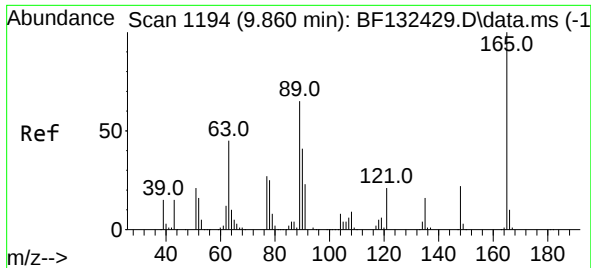


#50  
Dimethylphthalate  
Concen: 36.147 ng  
RT: 9.801 min Scan# 1184  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:163 Resp: 1261492  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.3 8.4 12.6





#51  
2,6-Dinitrotoluene  
Concen: 38.344 ng  
RT: 9.866 min Scan# 1194  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

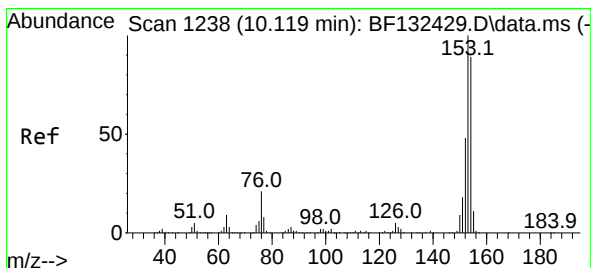
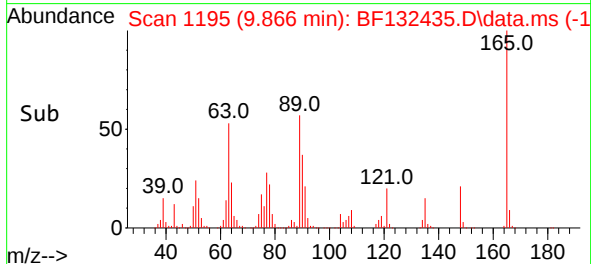
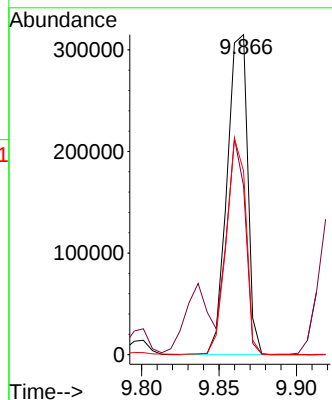
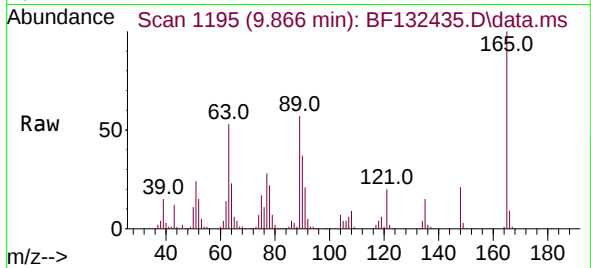
PB150899BS

Tgt Ion:165 Resp: 291011  
Ion Ratio Lower Upper  
165 100  
63 52.7 50.4 75.6  
89 57.4 52.2 78.2

Manual Integrations

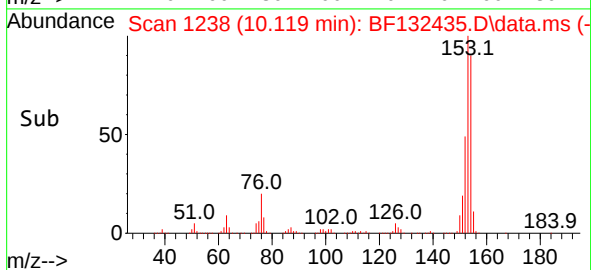
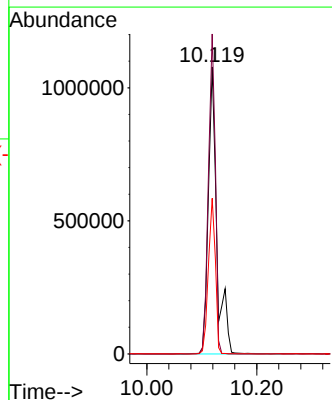
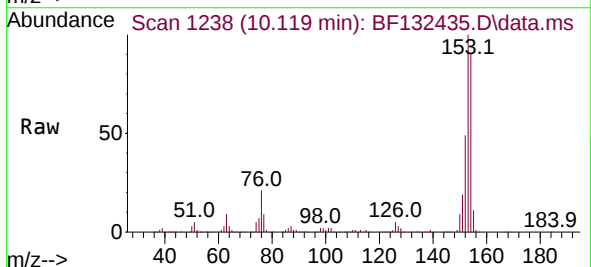
APPROVED

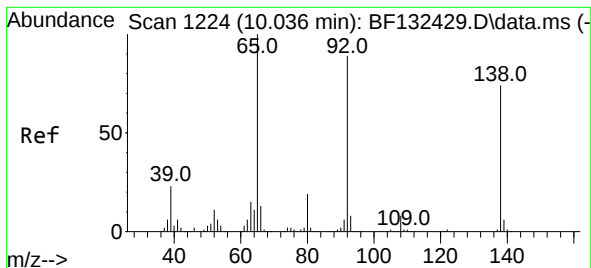
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#52  
Acenaphthene  
Concen: 40.968 ng  
RT: 10.119 min Scan# 1238  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

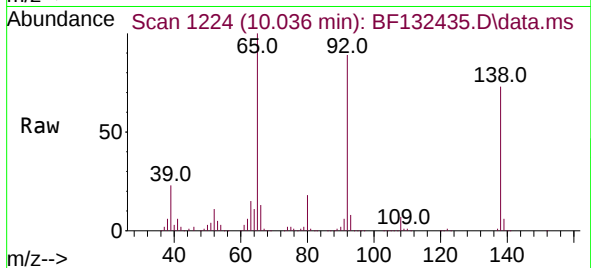
Tgt Ion:154 Resp: 1166175  
Ion Ratio Lower Upper  
154 100  
153 111.5 89.7 134.5  
152 54.2 43.4 65.0





#53  
3-Nitroaniline  
Concen: 29.330 ng  
RT: 10.036 min Scan# 1224  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

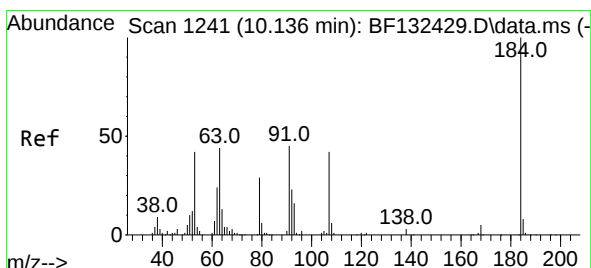
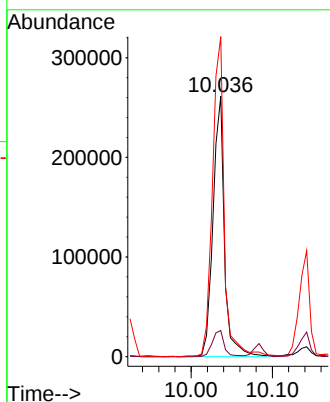
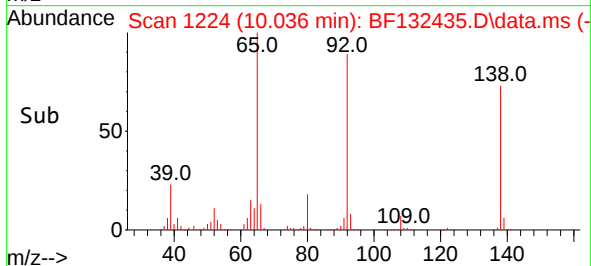
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



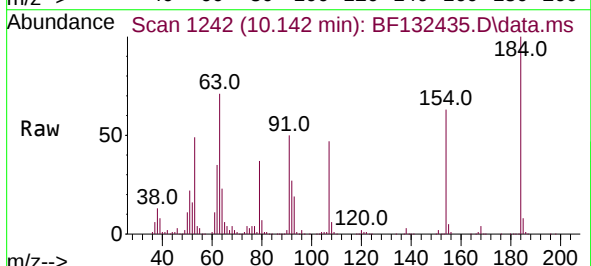
Tgt Ion:138 Resp: 255576  
Ion Ratio Lower Upper  
138 100  
108 10.0 8.1 12.1  
92 123.0 96.0 144.0

Manual Integrations  
APPROVED

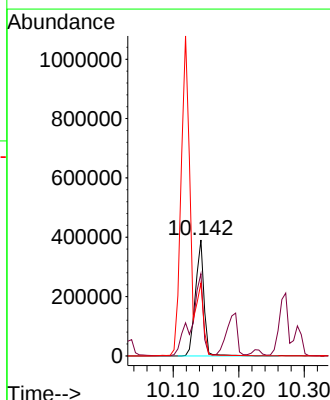
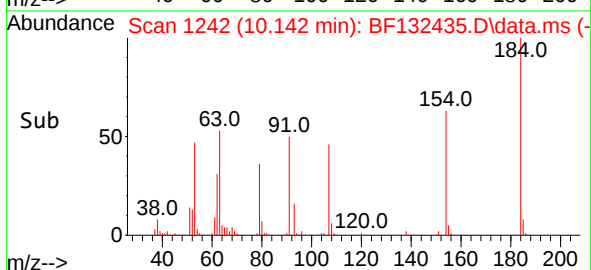
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

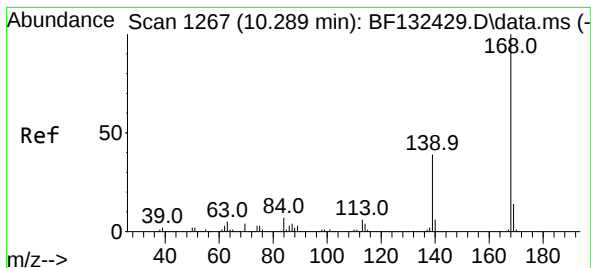


#54  
2,4-Dinitrophenol  
Concen: 75.579 ng  
RT: 10.142 min Scan# 1242  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



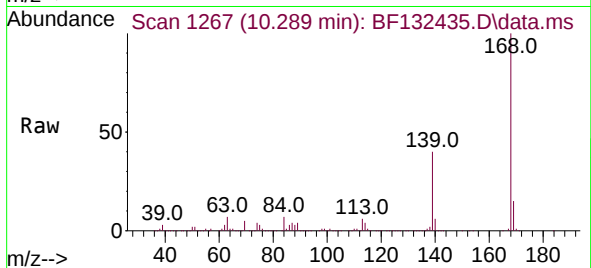
Tgt Ion:184 Resp: 354755  
Ion Ratio Lower Upper  
184 100  
63 70.8 47.0 70.6#  
154 62.8 49.0 73.6





#55  
Dibenzofuran  
Concen: 35.330 ng  
RT: 10.289 min Scan# 1267  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

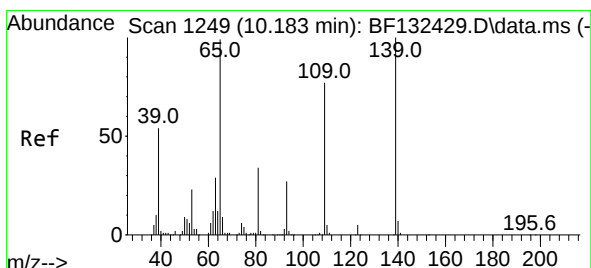
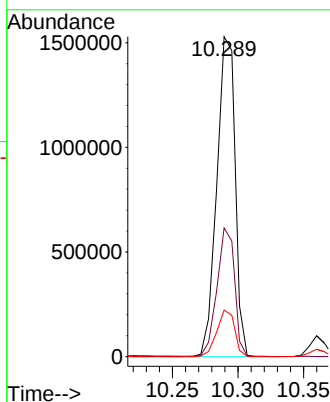
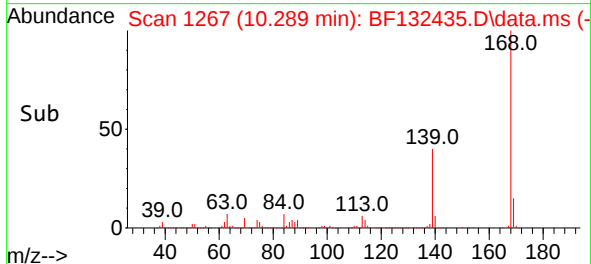
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



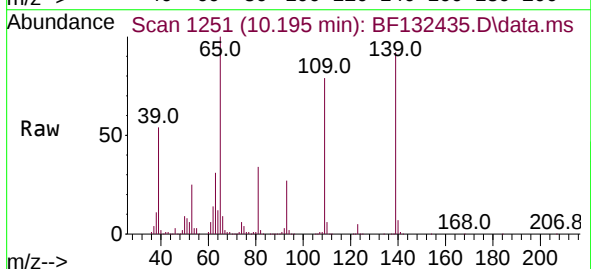
Tgt Ion:168 Resp: 1492128  
Ion Ratio Lower Upper  
168 100  
139 40.2 31.0 46.4  
169 14.5 11.0 16.4

Manual Integrations  
APPROVED

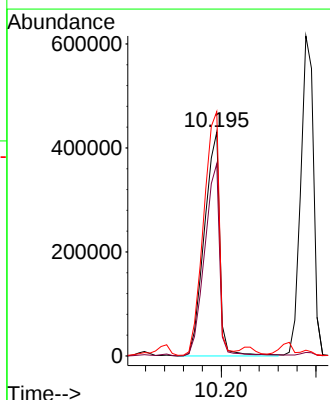
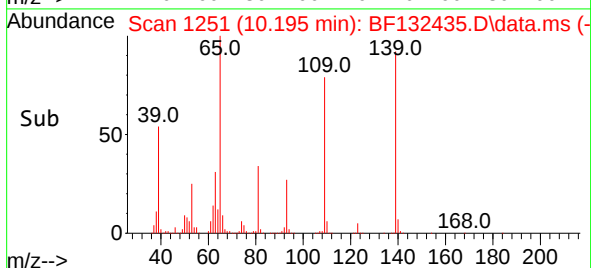
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

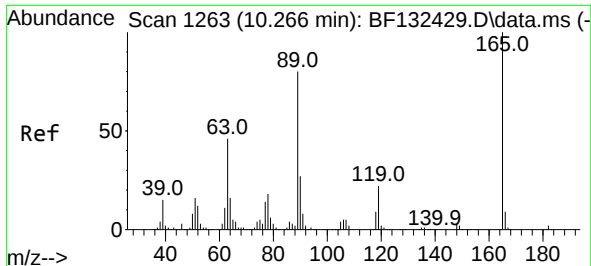


#56  
4-Nitrophenol  
Concen: 77.342 ng  
RT: 10.195 min Scan# 1251  
Delta R.T. 0.012 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



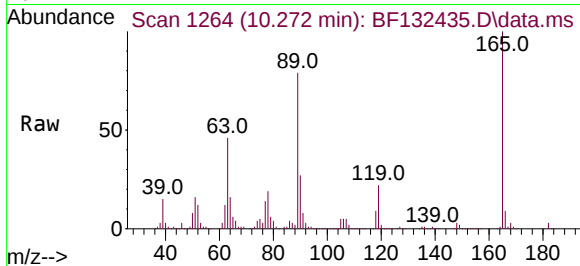
Tgt Ion:139 Resp: 488935  
Ion Ratio Lower Upper  
139 100  
109 85.8 57.2 97.2  
65 109.1 79.2 119.2





#57  
2,4-Dinitrotoluene  
Concen: 38.608 ng  
RT: 10.272 min Scan# 1264  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

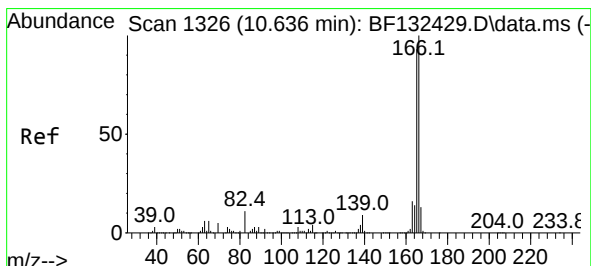
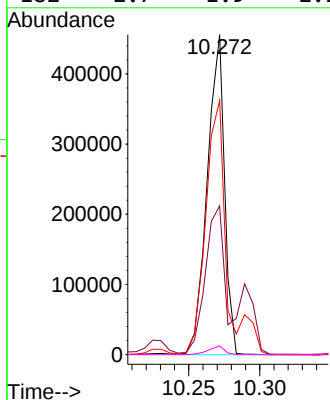
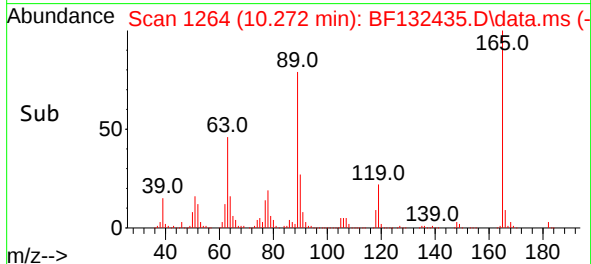
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:165 Resp: 385716  
Ion Ratio Lower Upper  
165 100  
63 46.5 37.1 55.7  
89 79.4 63.6 95.4  
182 2.7 1.9 2.9

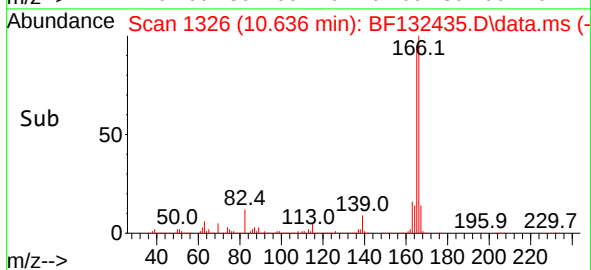
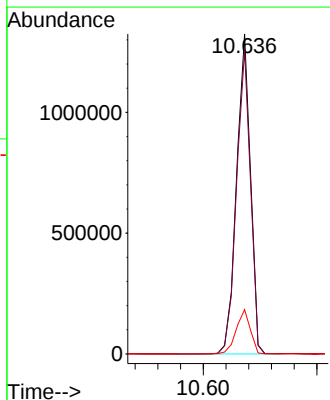
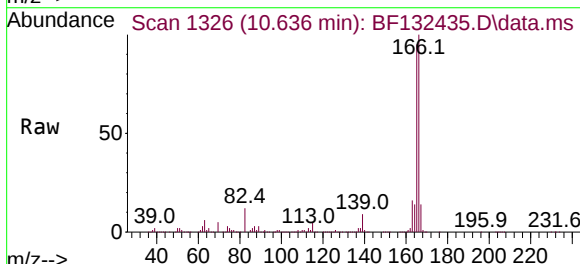
Manual Integrations  
APPROVED

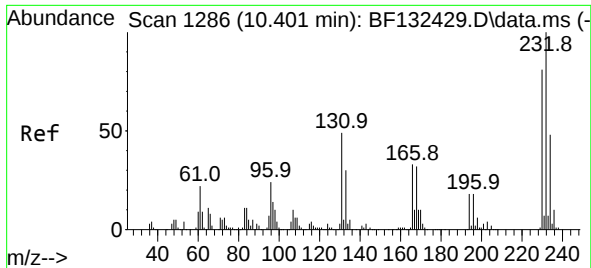
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#58  
Fluorene  
Concen: 35.350 ng  
RT: 10.636 min Scan# 1326  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

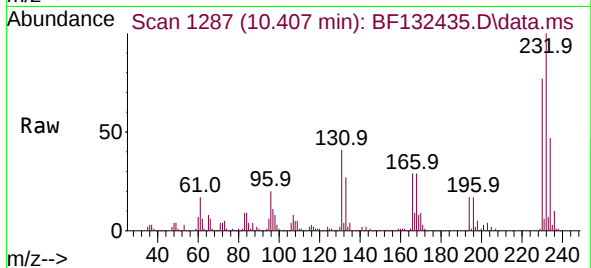
Tgt Ion:166 Resp: 1128733  
Ion Ratio Lower Upper  
166 100  
165 94.8 74.6 111.8  
167 13.8 10.8 16.2





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.991 ng  
RT: 10.407 min Scan# 1286  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

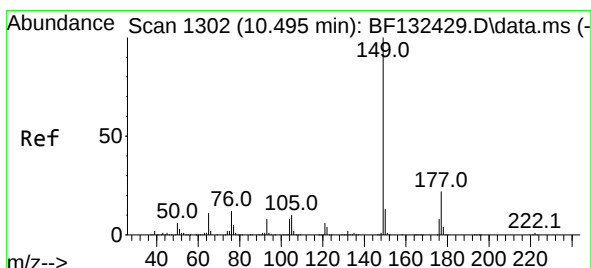
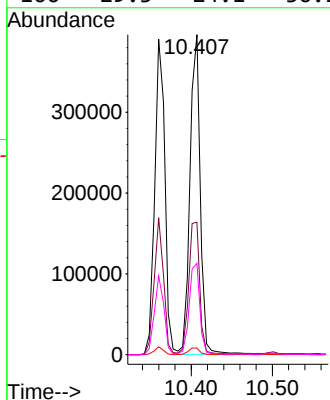
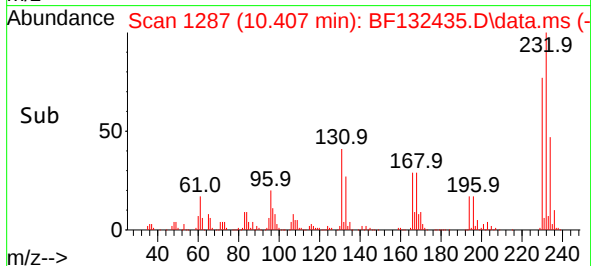
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



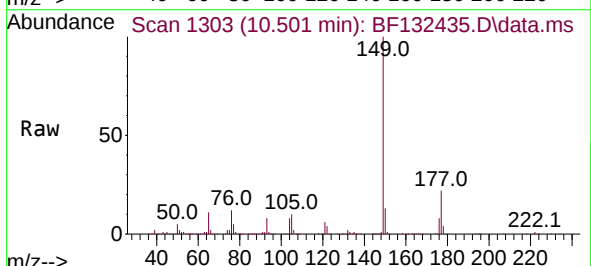
Tgt Ion:232 Resp: 347193  
Ion Ratio Lower Upper  
232 100  
131 43.9 35.8 53.8  
130 2.3 1.8 2.8  
166 29.3 24.1 36.1

Manual Integrations  
APPROVED

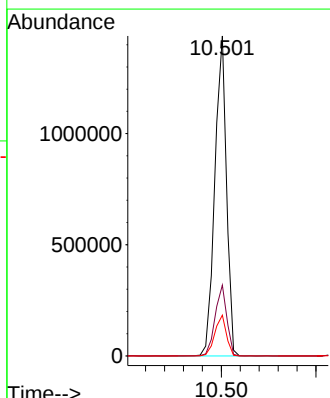
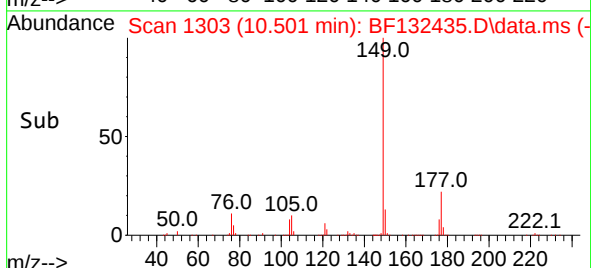
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

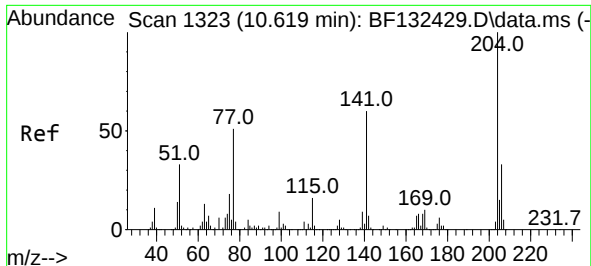


#60  
Diethylphthalate  
Concen: 35.796 ng  
RT: 10.501 min Scan# 1303  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



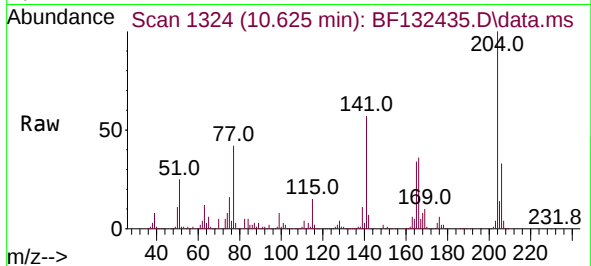
Tgt Ion:149 Resp: 1228018  
Ion Ratio Lower Upper  
149 100  
177 22.1 17.8 26.8  
150 12.7 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 35.051 ng  
RT: 10.625 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

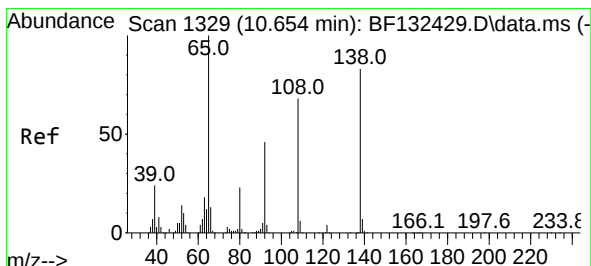
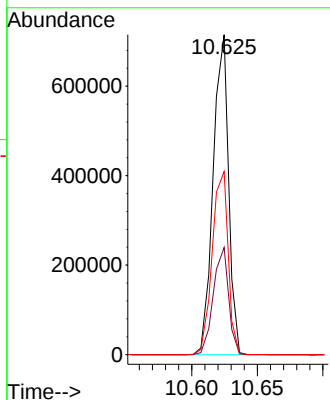
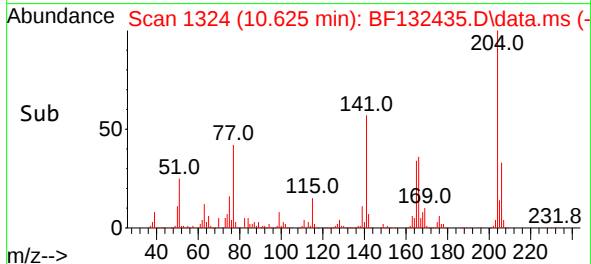
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



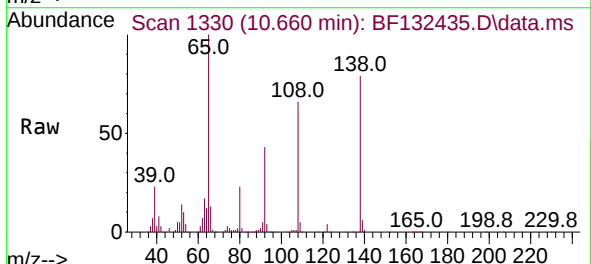
Tgt Ion:204 Resp: 586103  
Ion Ratio Lower Upper  
204 100  
206 33.5 26.3 39.5  
141 57.2 48.2 72.2

Manual Integrations  
APPROVED

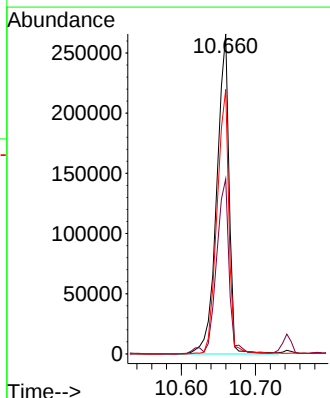
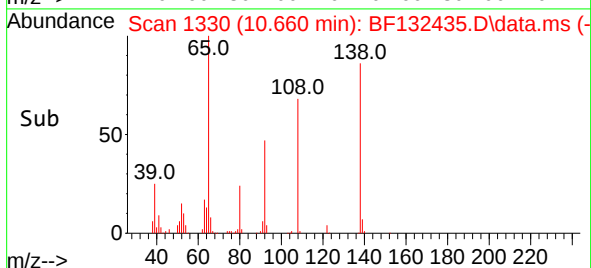
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

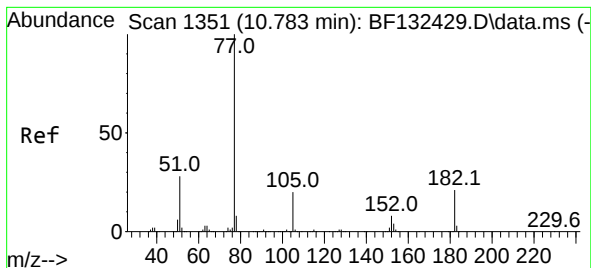


#62  
4-Nitroaniline  
Concen: 37.826 ng  
RT: 10.660 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



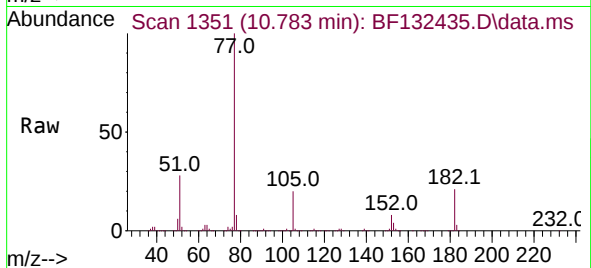
Tgt Ion:138 Resp: 307564  
Ion Ratio Lower Upper  
138 100  
92 54.7 35.9 75.9  
108 82.6 62.1 102.1





#63  
Azobenzene  
Concen: 36.246 ng  
RT: 10.783 min Scan# 1351  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

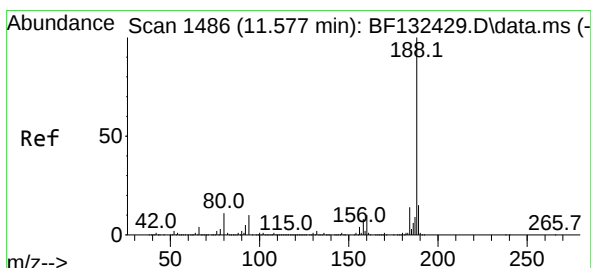
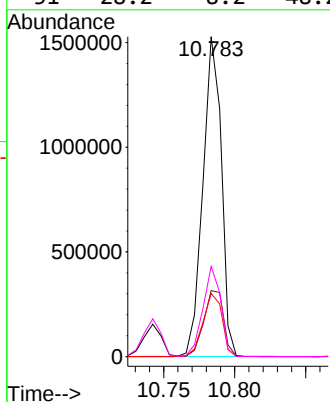
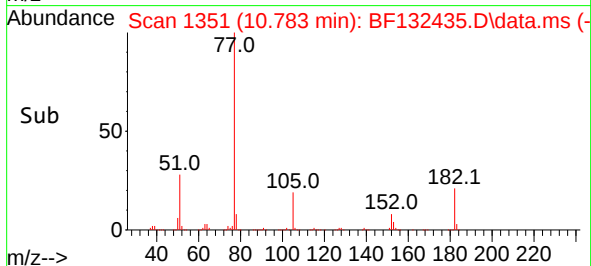
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



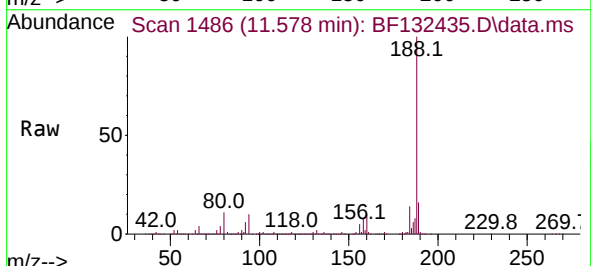
Tgt Ion: 77 Resp: 1375819  
Ion Ratio Lower Upper  
77 100  
182 20.6 1.4 41.4  
105 19.7 0.1 40.1  
51 28.2 8.2 48.2

Manual Integrations  
APPROVED

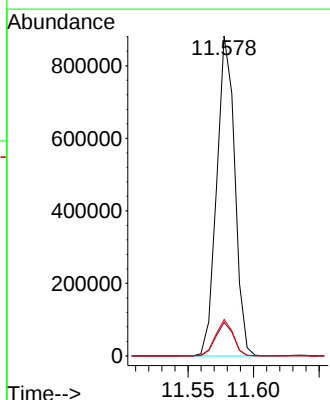
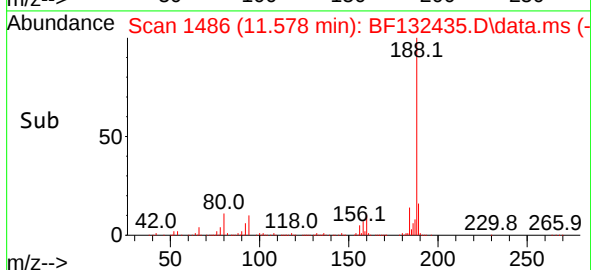
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

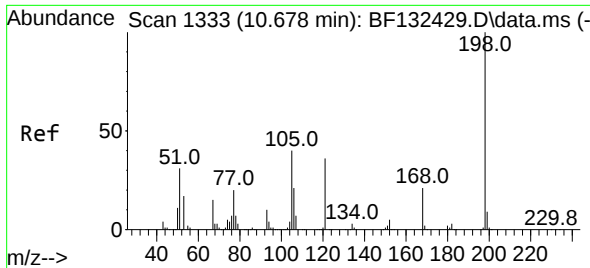


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.578 min Scan# 1486  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:188 Resp: 845627  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.0 12.0  
80 11.4 8.6 12.8





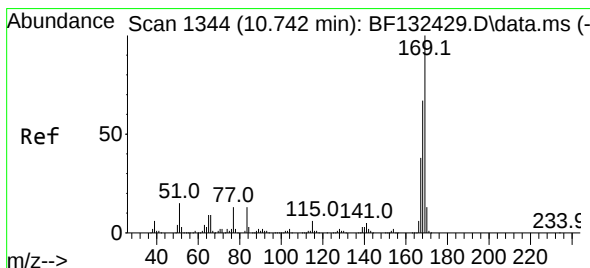
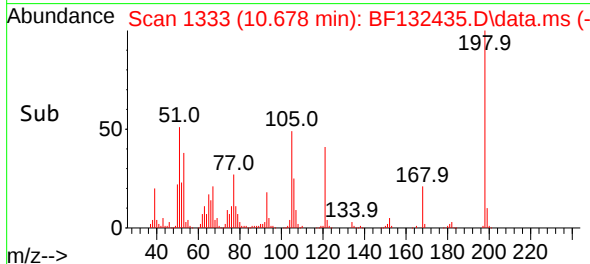
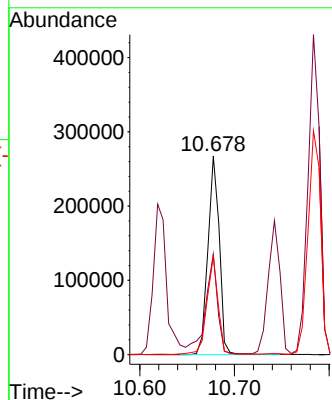
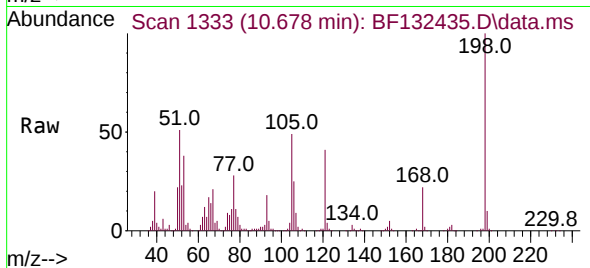
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.544 ng  
RT: 10.678 min Scan# 1333  
Delta R.T. -0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS

Tgt Ion:198 Resp: 223671  
Ion Ratio Lower Upper  
198 100  
51 50.6 17.4 57.4  
105 49.2 21.3 61.3

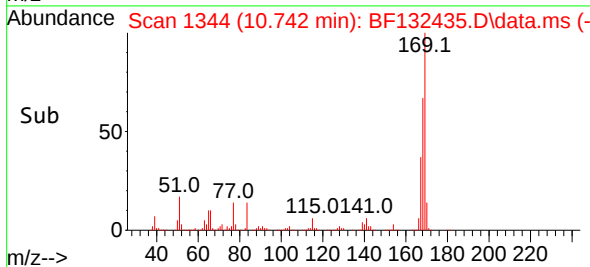
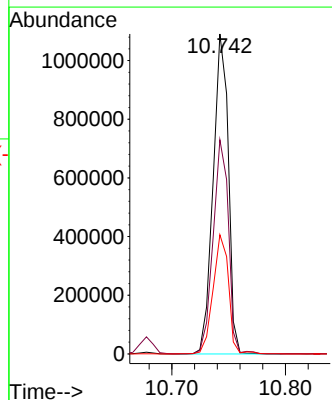
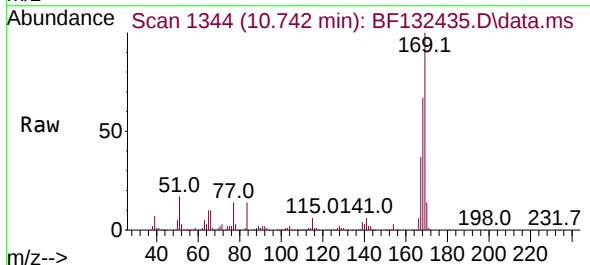
Manual Integrations  
APPROVED

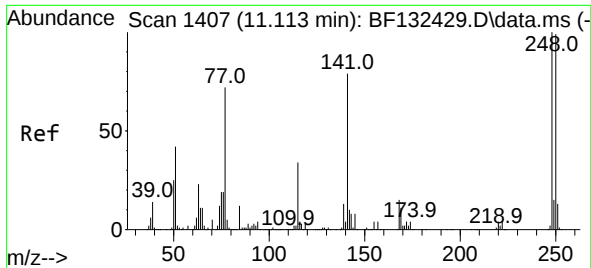
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#66  
n-Nitrosodiphenylamine  
Concen: 39.093 ng  
RT: 10.742 min Scan# 1344  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

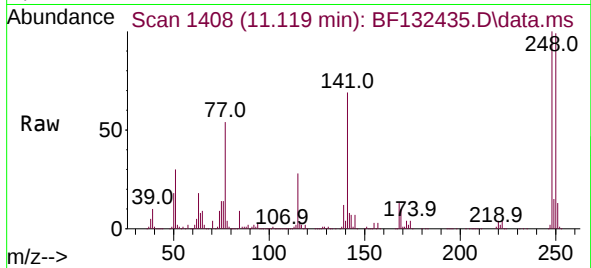
Tgt Ion:169 Resp: 1014638  
Ion Ratio Lower Upper  
169 100  
168 66.9 53.5 80.3  
167 37.2 30.2 45.2





#67  
4-Bromophenyl-phenylether  
Concen: 39.681 ng  
RT: 11.119 min Scan# 1408  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

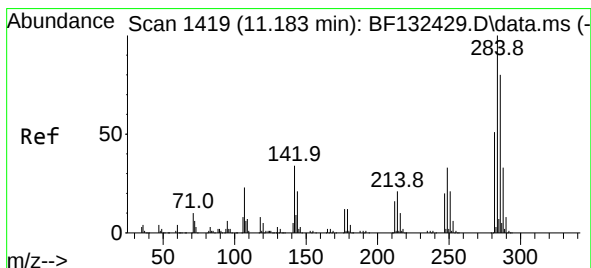
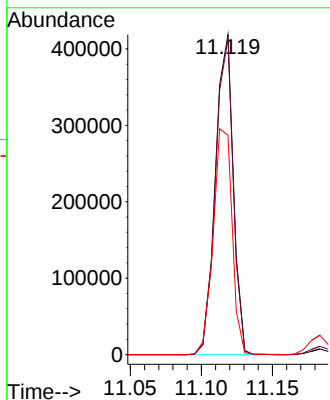
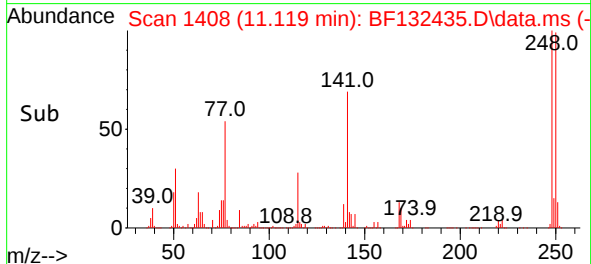
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



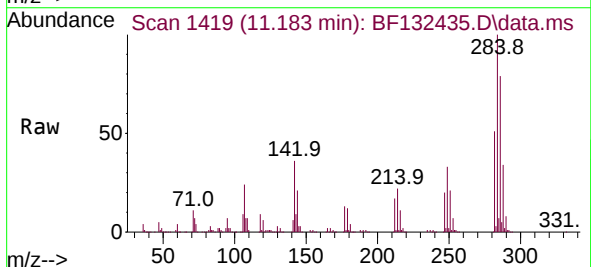
Tgt Ion:248 Resp: 367765  
Ion Ratio Lower Upper  
248 100  
250 98.8 79.0 118.4  
141 68.5 63.3 94.9

Manual Integrations  
APPROVED

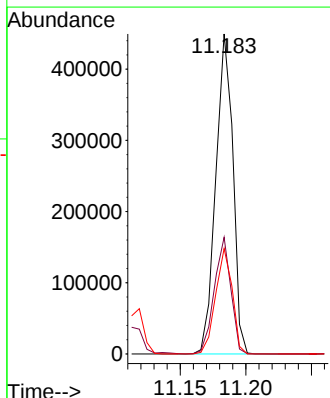
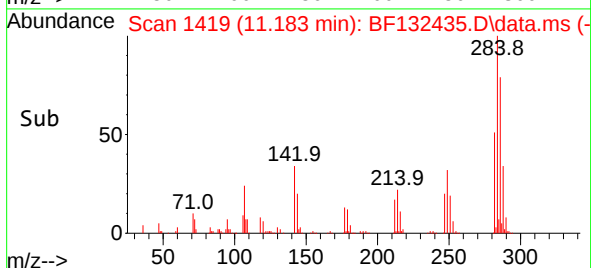
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

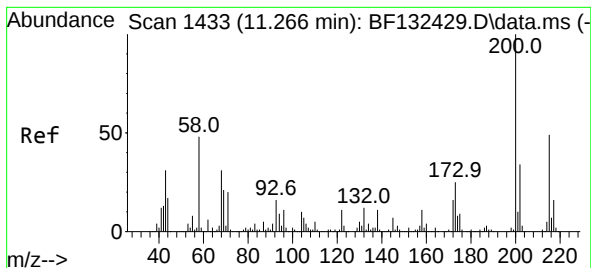


#68  
Hexachlorobenzene  
Concen: 42.173 ng  
RT: 11.183 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:284 Resp: 408571  
Ion Ratio Lower Upper  
284 100  
142 36.4 27.5 41.3  
249 32.9 26.2 39.4





#69

Atrazine

Concen: 43.100 ng

RT: 11.272 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

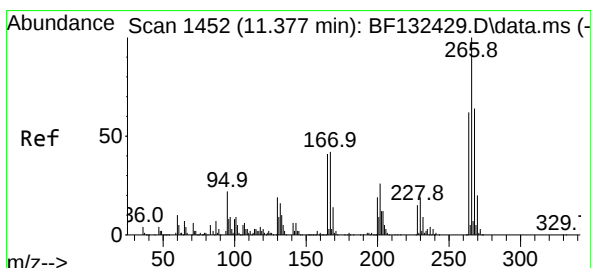
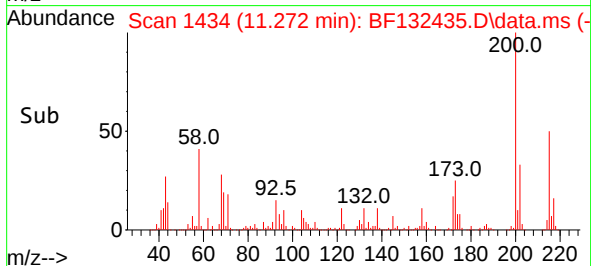
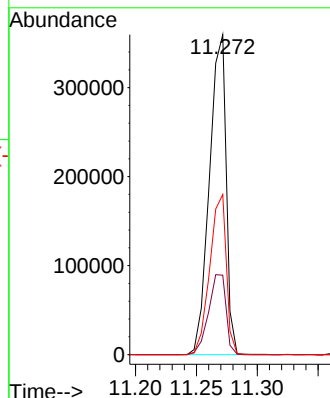
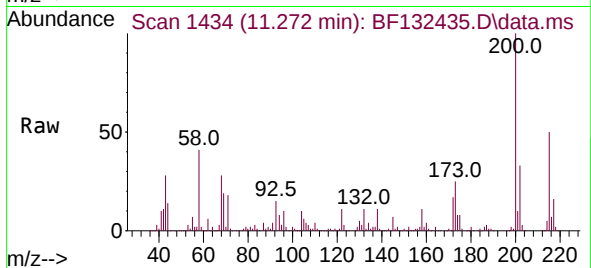
PB150899BS

Tgt Ion:200 Resp: 344323  
 Ion Ratio Lower Upper  
 200 100  
 173 24.8 5.3 45.3  
 215 50.0 29.1 69.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023  
 Supervised By :Jagrut Upadhyay 02/17/2023



#70

Pentachlorophenol

Concen: 75.578 ng

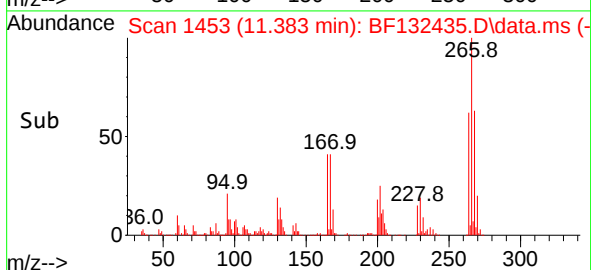
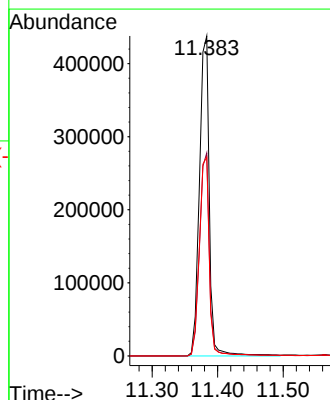
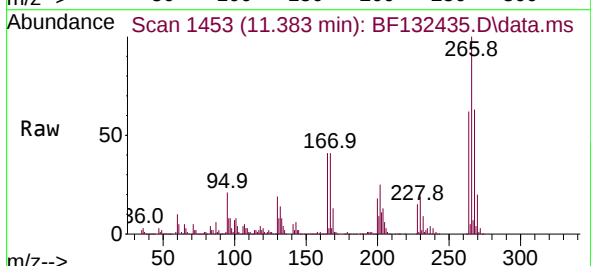
RT: 11.383 min Scan# 1453

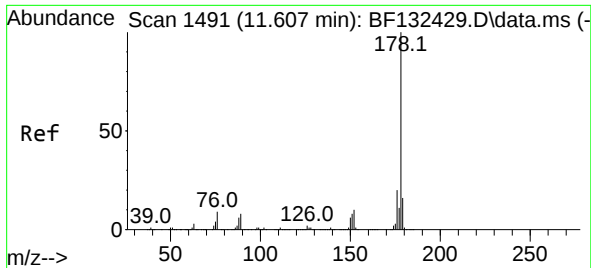
Delta R.T. 0.006 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

Tgt Ion:266 Resp: 455222  
 Ion Ratio Lower Upper  
 266 100  
 268 63.4 51.0 76.4  
 264 62.1 49.8 74.6





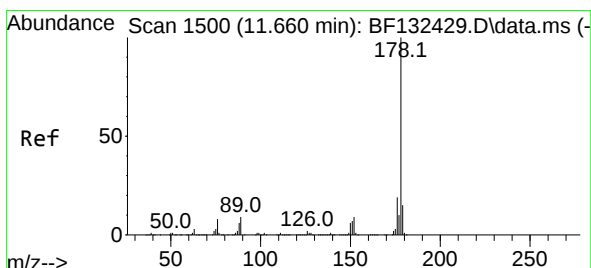
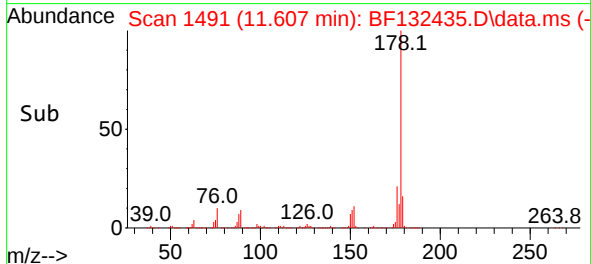
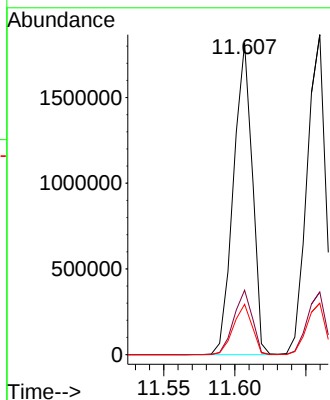
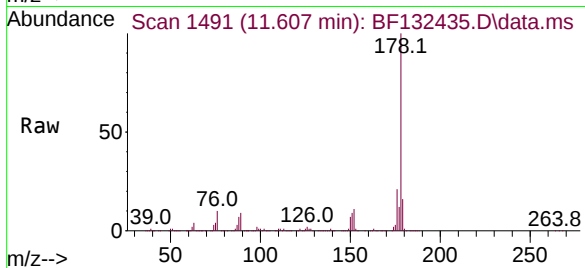
#71  
Phenanthrene  
Concen: 38.384 ng  
RT: 11.607 min Scan# 1491  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS

Tgt Ion:178 Resp: 1671742  
Ion Ratio Lower Upper  
178 100  
176 20.6 16.2 24.2  
179 16.2 12.6 18.8

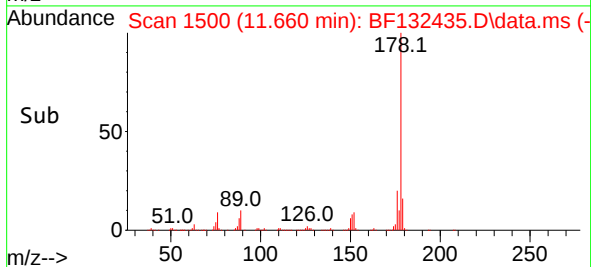
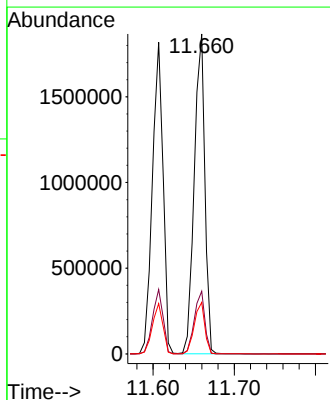
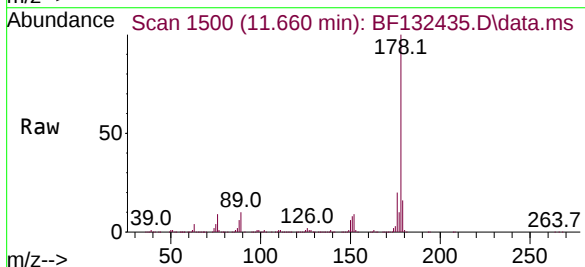
Manual Integrations  
APPROVED

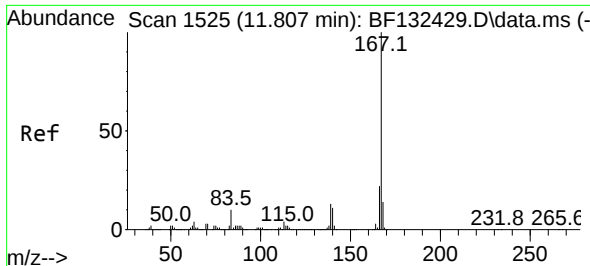
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#72  
Anthracene  
Concen: 37.718 ng  
RT: 11.660 min Scan# 1500  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

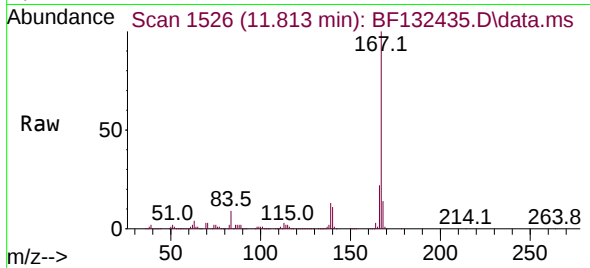
Tgt Ion:178 Resp: 1688753  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.4 23.2  
179 16.1 12.4 18.6





#73  
Carbazole  
Concen: 38.944 ng  
RT: 11.813 min Scan# 1526  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

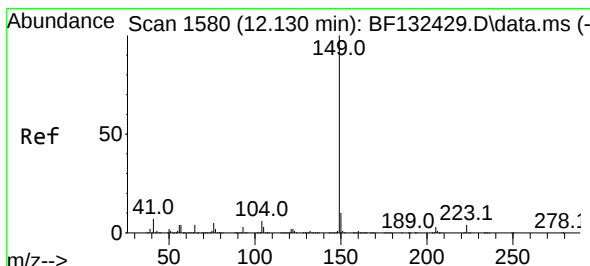
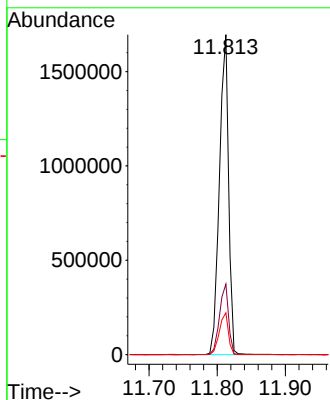
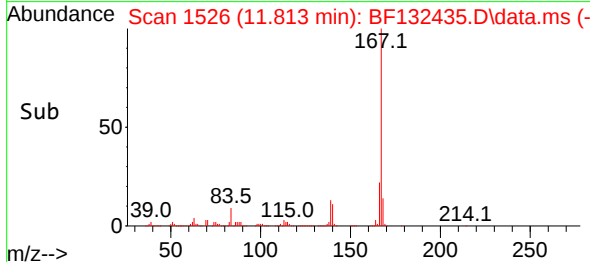
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



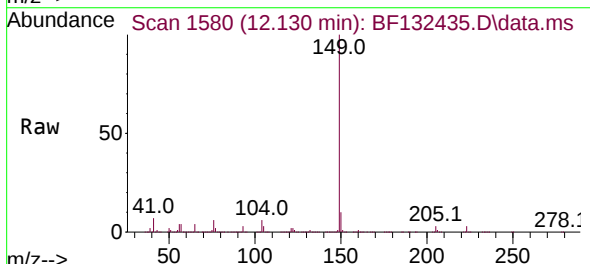
Tgt Ion:167 Resp: 1569549  
Ion Ratio Lower Upper  
167 100  
166 22.0 17.8 26.8  
139 13.1 10.7 16.1

Manual Integrations  
APPROVED

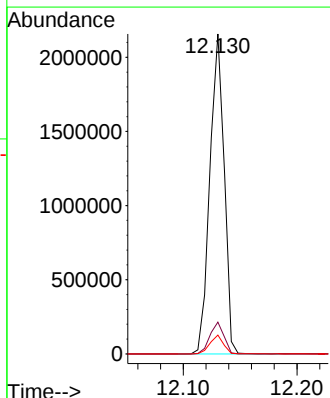
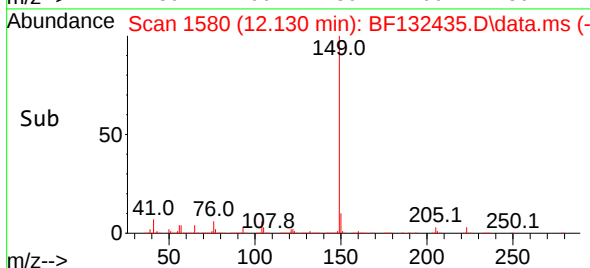
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

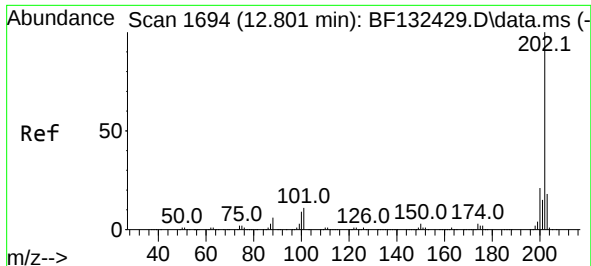


#74  
Di-n-butylphthalate  
Concen: 39.395 ng  
RT: 12.130 min Scan# 1580  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



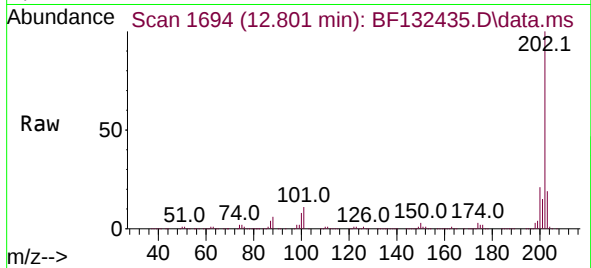
Tgt Ion:149 Resp: 1891118  
Ion Ratio Lower Upper  
149 100  
150 9.9 7.6 11.4  
104 5.9 4.5 6.7





#75  
Fluoranthene  
Concen: 38.286 ng  
RT: 12.801 min Scan# 1694  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

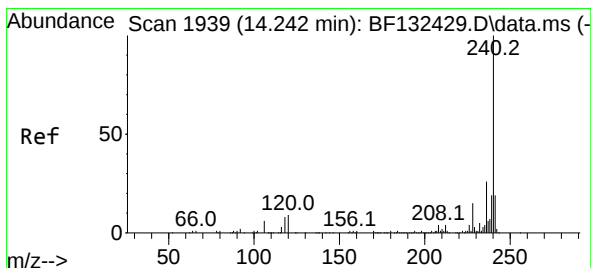
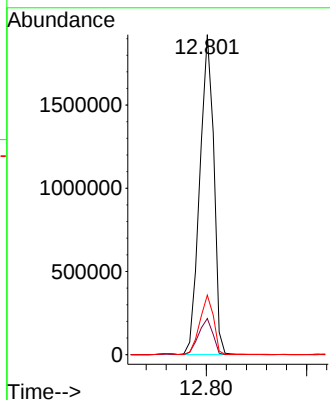
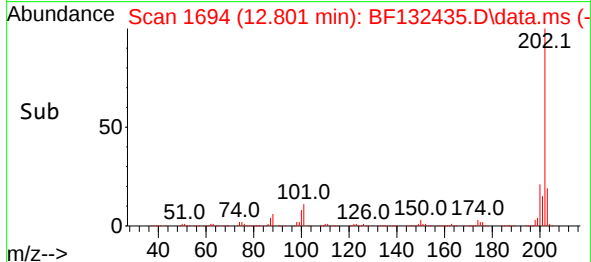
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



Tgt Ion:202 Resp: 1859572  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 31.3  
203 18.6 0.0 37.8

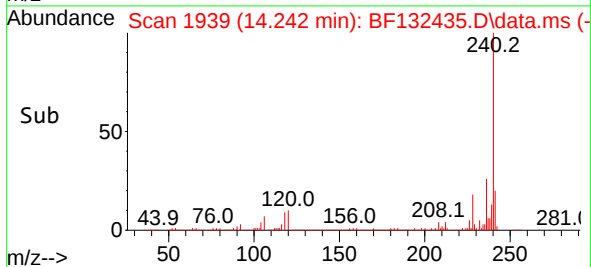
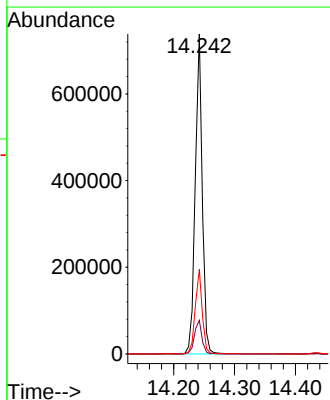
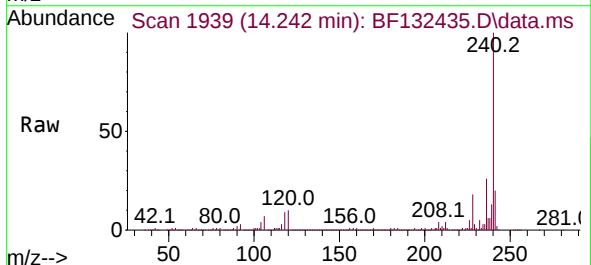
Manual Integrations  
APPROVED

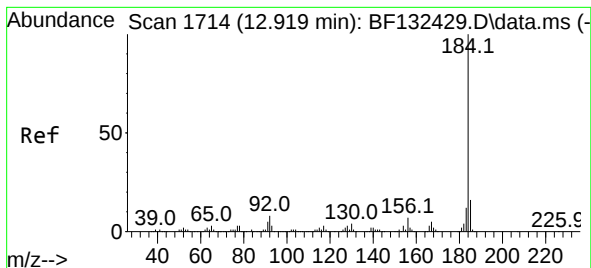
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.242 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Tgt Ion:240 Resp: 594801  
Ion Ratio Lower Upper  
240 100  
120 10.5 7.5 11.3  
236 26.4 21.0 31.6





#77

Benzidine

Concen: 36.382 ng

RT: 12.919 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BF132435.D

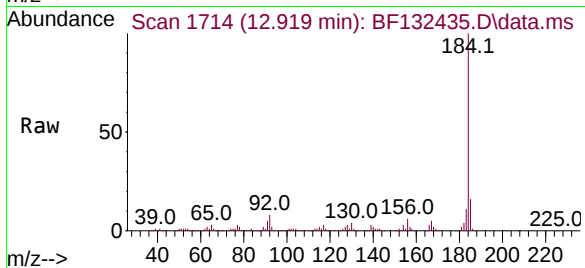
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

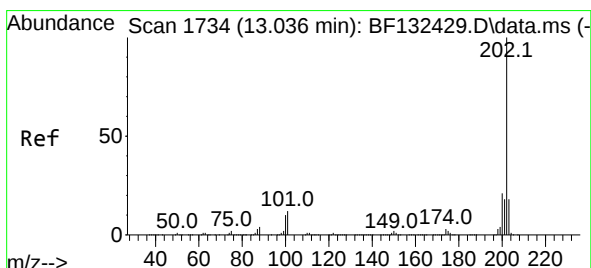
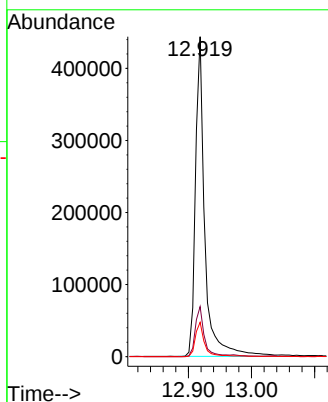
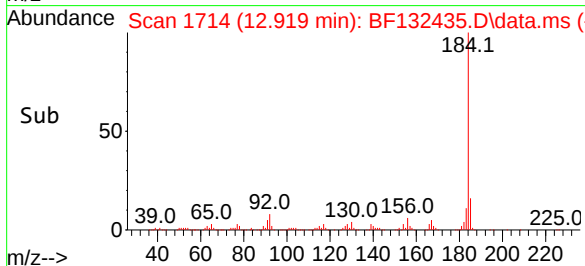


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 460799 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.6  | 12.4  | 18.6   |
| 183       | 10.7  | 9.2   | 13.8   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#78

Pyrene

Concen: 37.816 ng

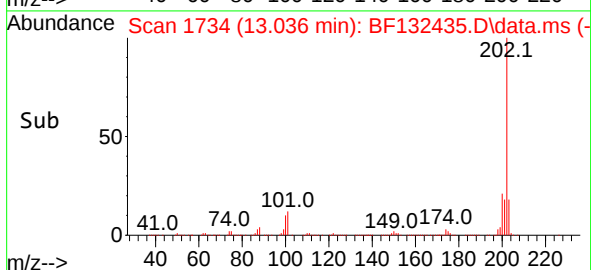
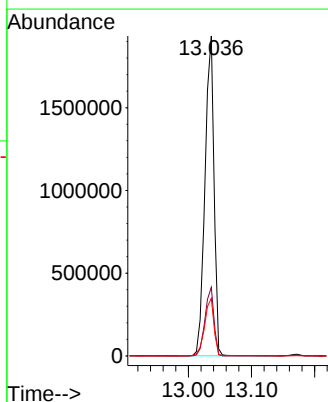
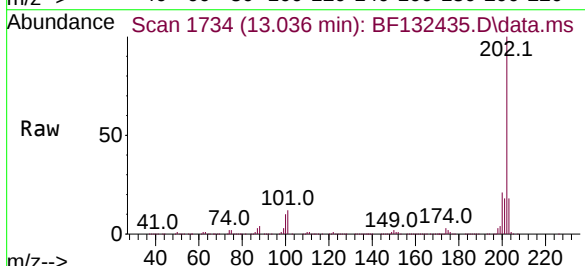
RT: 13.036 min Scan# 1734

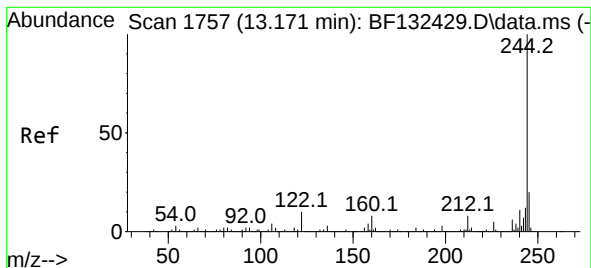
Delta R.T. 0.000 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1910788 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 21.4  | 16.6  | 25.0    |
| 203       | 18.0  | 14.3  | 21.5    |





#79

Terphenyl-d14

Concen: 77.176 ng

RT: 13.172 min Scan# 1757

Delta R.T. 0.000 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

Tgt Ion:244 Resp: 2520550

Ion Ratio Lower Upper

244 100

212 8.4 6.7 10.1

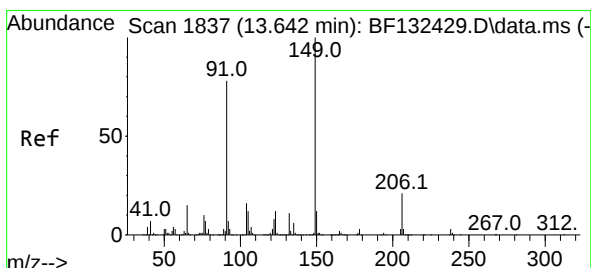
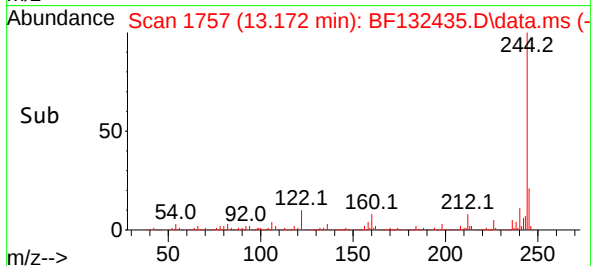
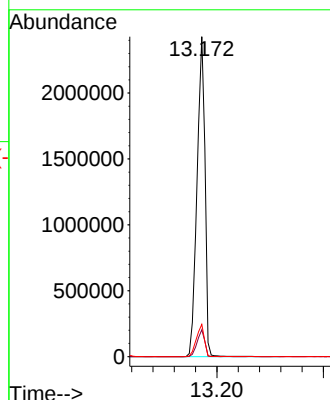
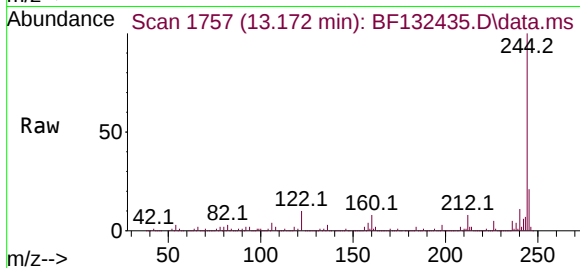
122 10.1 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#80

Butylbenzylphthalate

Concen: 41.618 ng

RT: 13.642 min Scan# 1837

Delta R.T. 0.000 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

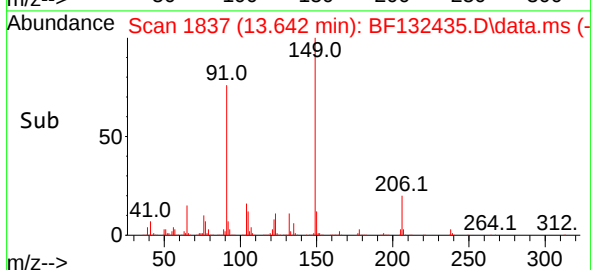
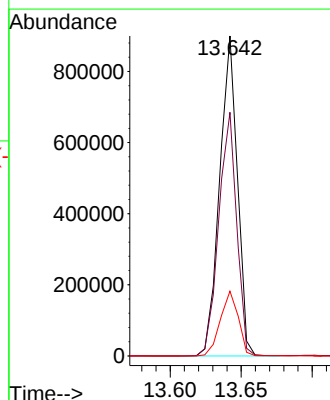
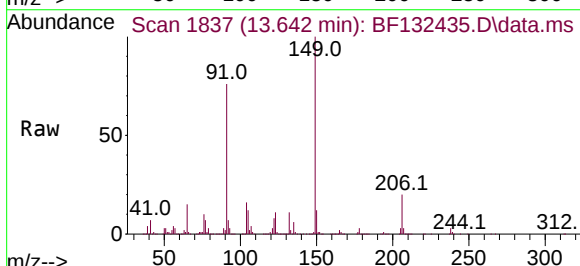
Tgt Ion:149 Resp: 784687

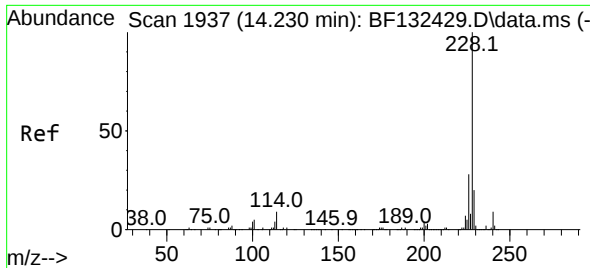
Ion Ratio Lower Upper

149 100

91 76.1 62.8 94.2

206 20.2 16.9 25.3





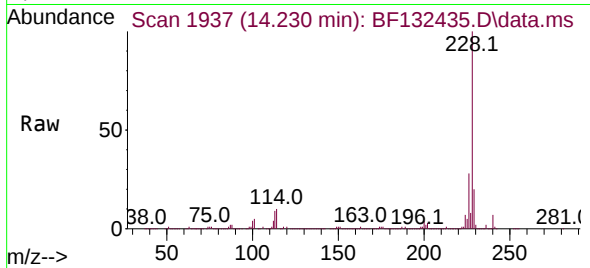
#81  
Benzo(a)anthracene  
Concen: 38.085 ng  
RT: 14.230 min Scan# 1937  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

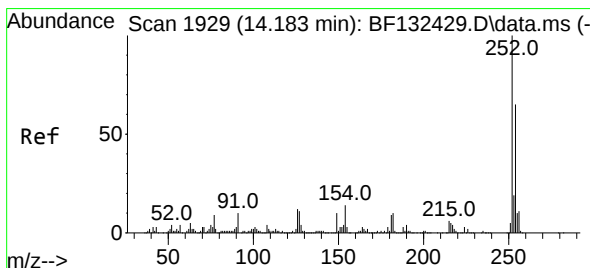
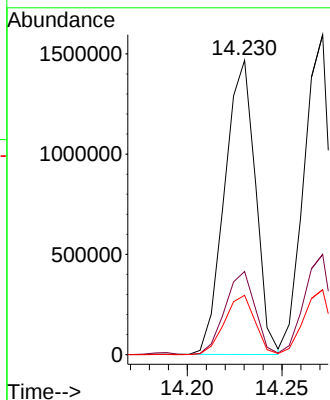
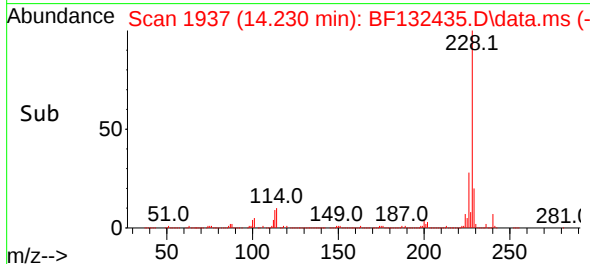


Tgt Ion:228 Resp: 1659137  
Ion Ratio Lower Upper  
228 100  
226 28.3 22.6 34.0  
229 20.2 16.2 24.4

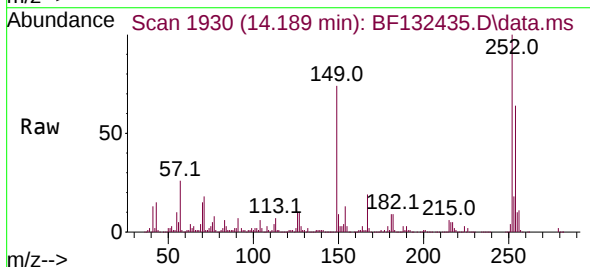
Manual Integrations

APPROVED

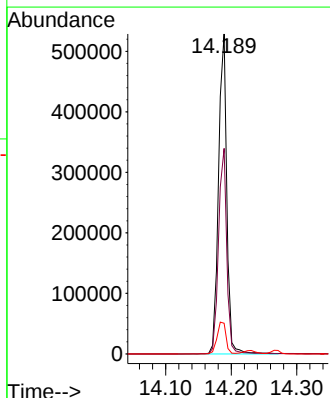
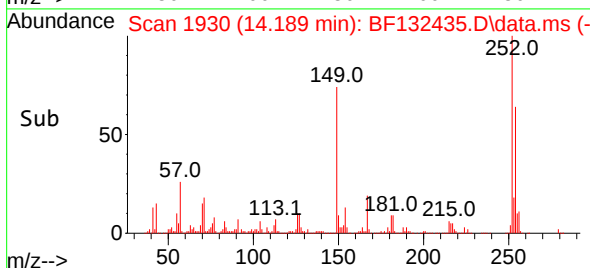
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

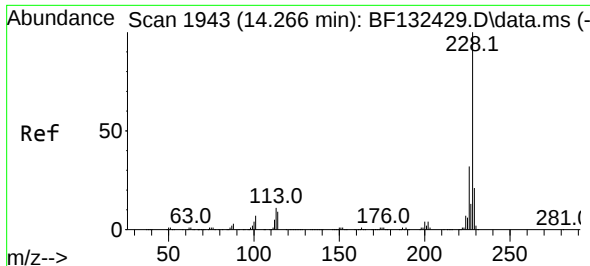


#82  
3,3'-Dichlorobenzidine  
Concen: 39.850 ng  
RT: 14.189 min Scan# 1930  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



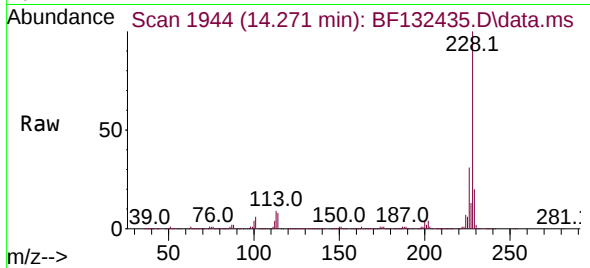
Tgt Ion:252 Resp: 463703  
Ion Ratio Lower Upper  
252 100  
254 64.2 52.2 78.2  
126 9.6 9.6 14.4#





#83  
Chrysene  
Concen: 36.826 ng  
RT: 14.271 min Scan# 1944  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

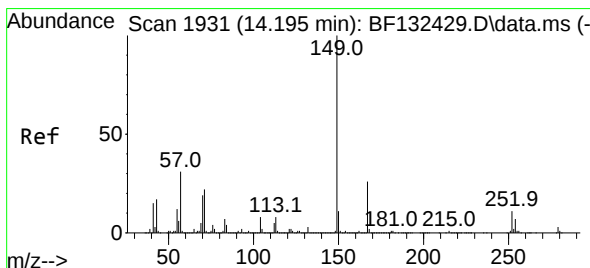
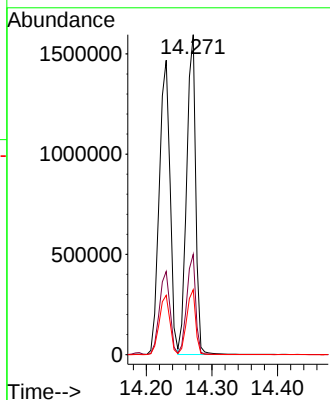
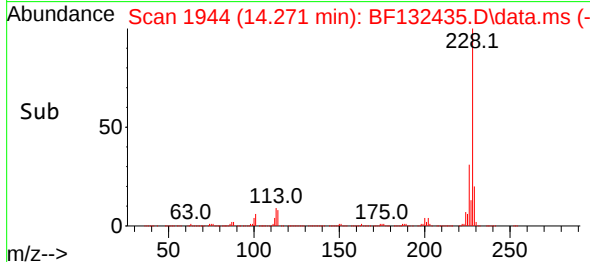
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



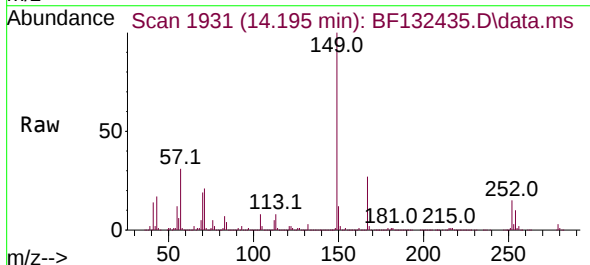
Tgt Ion:228 Resp: 1532796  
Ion Ratio Lower Upper  
228 100  
226 31.3 25.4 38.2  
229 20.3 16.6 25.0

Manual Integrations  
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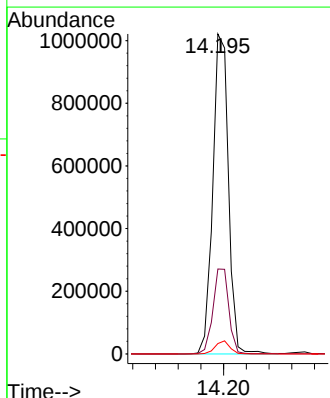
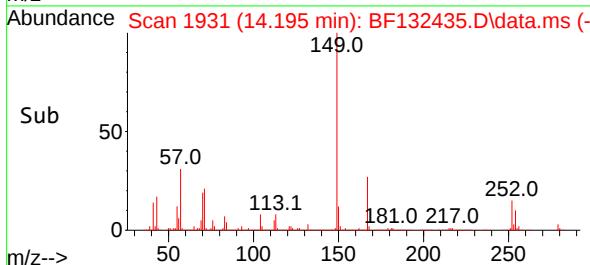
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

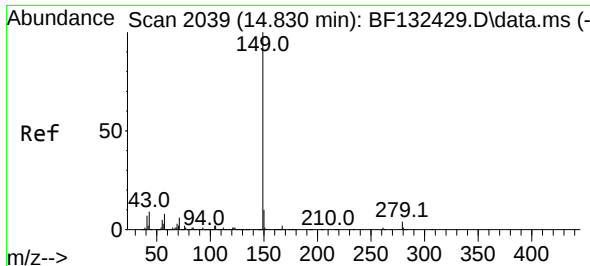


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 39.960 ng  
RT: 14.195 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



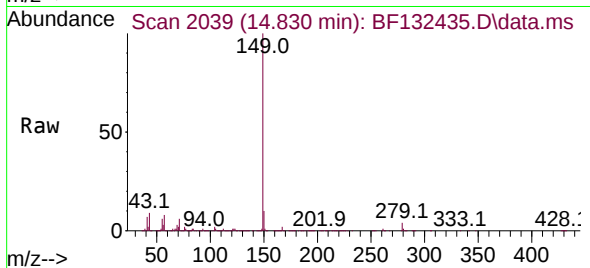
Tgt Ion:149 Resp: 975327  
Ion Ratio Lower Upper  
149 100  
167 26.6 21.0 31.6  
279 3.2 2.5 3.7





#85  
Di-n-octyl phthalate  
Concen: 43.628 ng  
RT: 14.830 min Scan# 2039  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

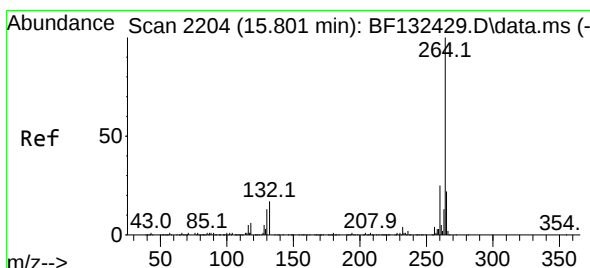
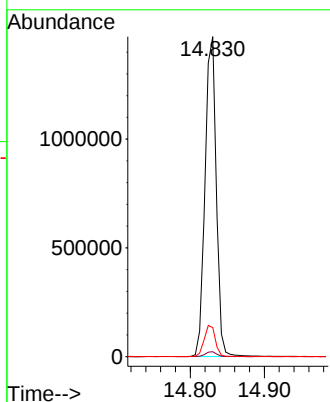
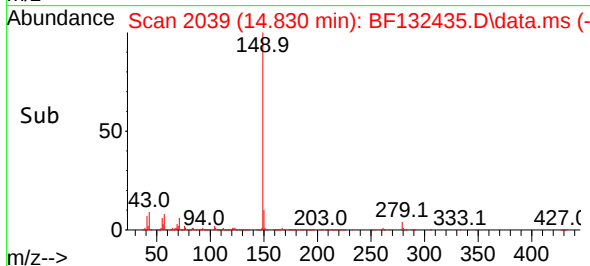
Instrument :  
BNA\_F  
ClientSampleId :  
PB150899BS



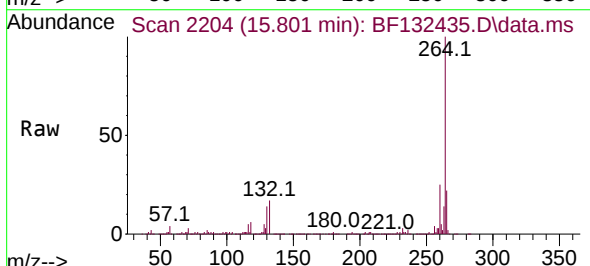
Tgt Ion:149 Resp: 1546211  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.2 1.8  
43 9.7 8.0 12.0

Manual Integrations  
APPROVED

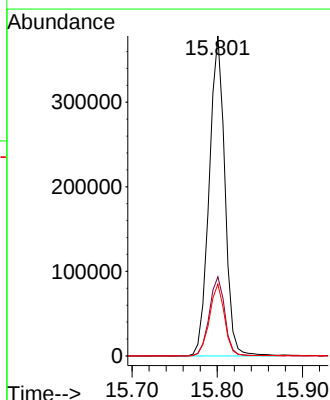
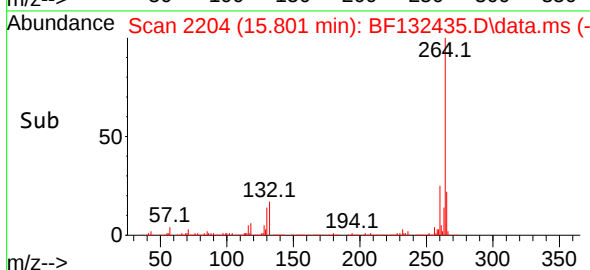
Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023

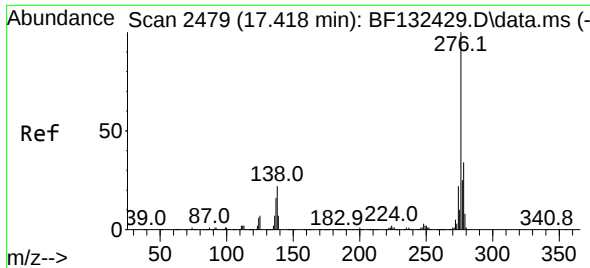


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.801 min Scan# 2204  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:264 Resp: 483505  
Ion Ratio Lower Upper  
264 100  
260 24.7 20.0 30.0  
265 22.4 17.2 25.8





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 45.430 ng  
 RT: 17.424 min Scan# 2479  
 Delta R.T. 0.006 min  
 Lab File: BF132435.D  
 Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

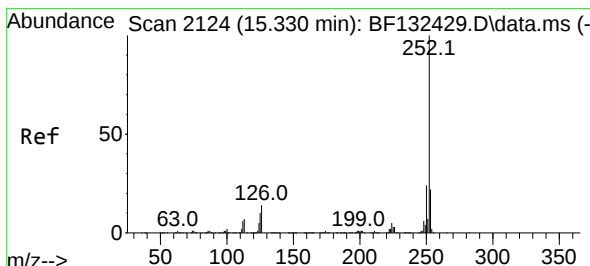
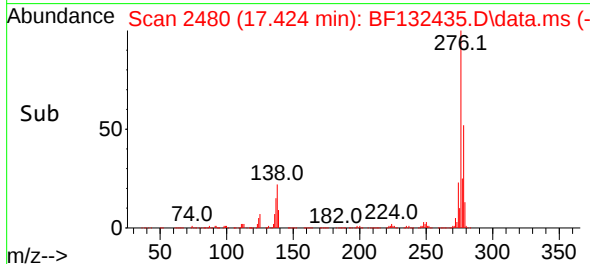
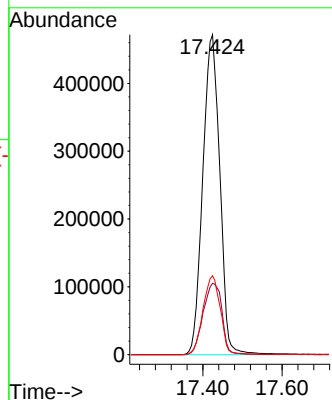
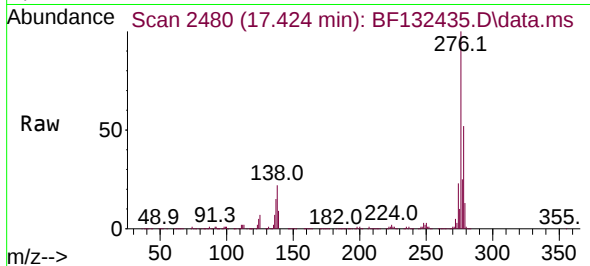
PB150899BS

Tgt Ion:276 Resp: 1404116  
 Ion Ratio Lower Upper  
 276 100  
 138 24.7 20.2 30.4  
 277 25.0 20.0 30.0

Manual Integrations

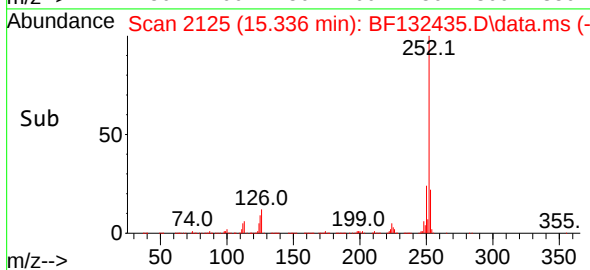
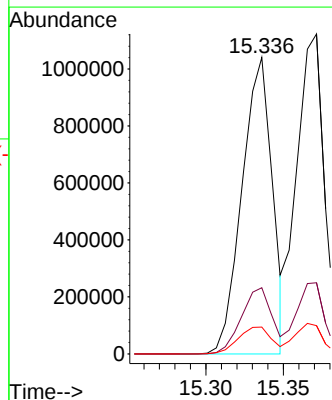
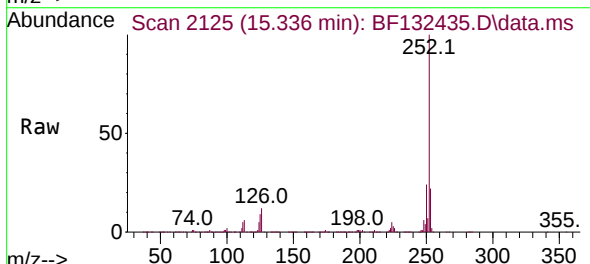
APPROVED

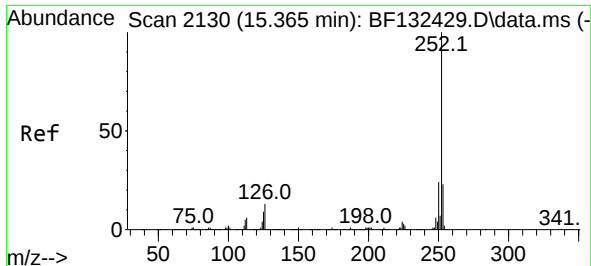
Reviewed By :Christian Giraldo 02/17/2023  
 Supervised By :Jagrut Upadhyay 02/17/2023



#88  
 Benzo(b)fluoranthene  
 Concen: 44.432 ng  
 RT: 15.336 min Scan# 2125  
 Delta R.T. 0.006 min  
 Lab File: BF132435.D  
 Acq: 16 Feb 2023 15:47

Tgt Ion:252 Resp: 1412762  
 Ion Ratio Lower Upper  
 252 100  
 253 22.3 17.8 26.8  
 125 9.0 7.6 11.4





#89

Benzo(k)fluoranthene

Concen: 44.151 ng

RT: 15.371 min Scan# 2131

Delta R.T. 0.006 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

Tgt Ion:252 Resp: 1404814

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

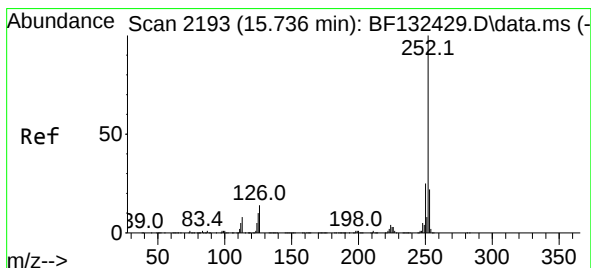
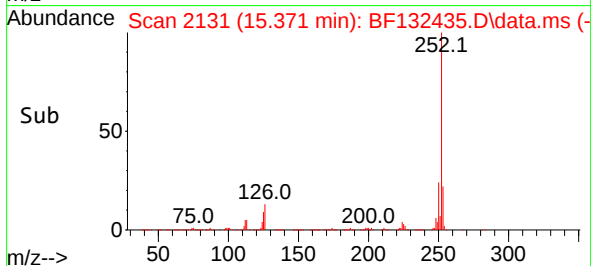
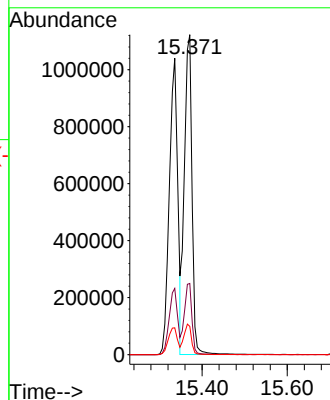
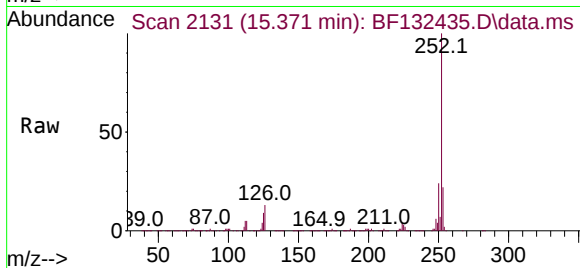
125 8.8 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#90

Benzo(a)pyrene

Concen: 41.373 ng

RT: 15.736 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF132435.D

Acq: 16 Feb 2023 15:47

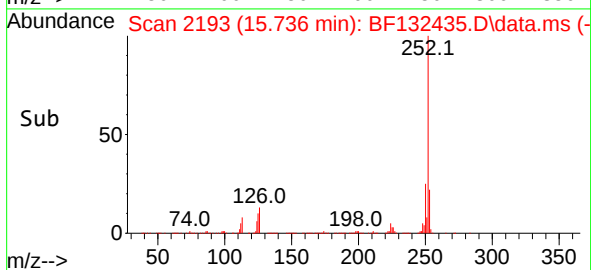
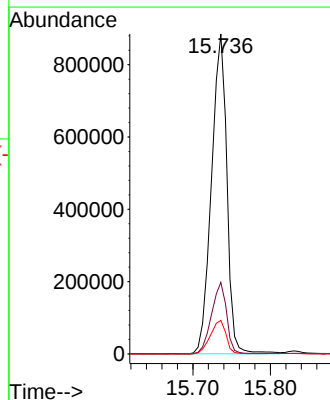
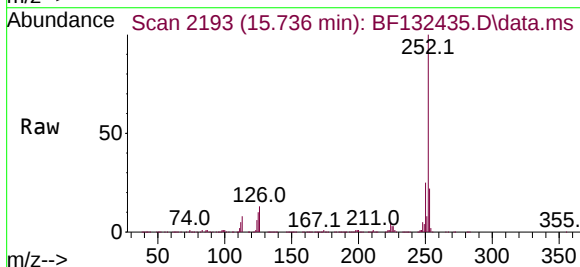
Tgt Ion:252 Resp: 1222525

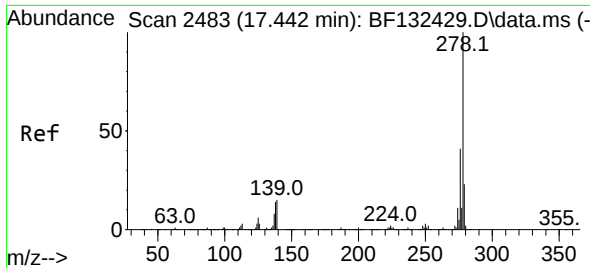
Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.5 8.2 12.4





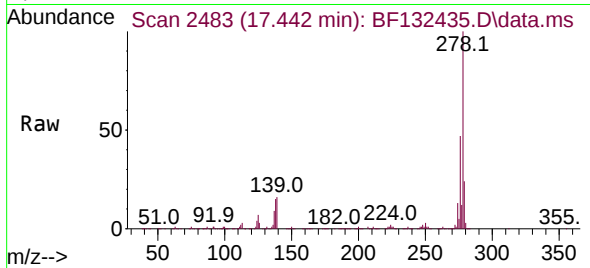
#91  
Dibenzo(a,h)anthracene  
Concen: 45.857 ng  
RT: 17.442 min Scan# 2483  
Delta R.T. 0.000 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47

Instrument :

BNA\_F

ClientSampleId :

PB150899BS

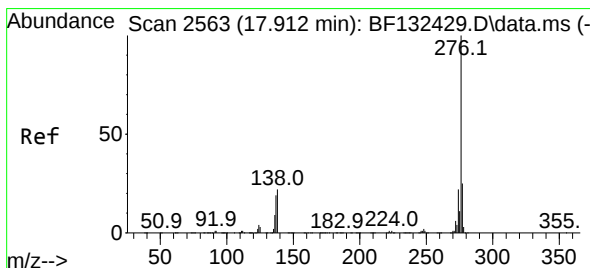
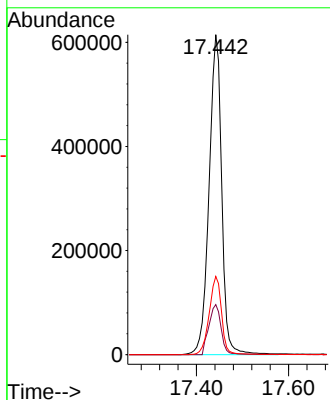
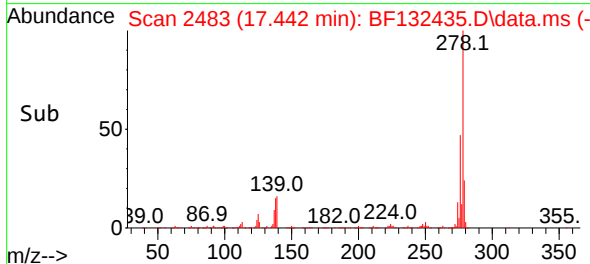


Tgt Ion:278 Resp: 1167362  
Ion Ratio Lower Upper  
278 100  
139 15.6 12.2 18.2  
279 24.4 18.8 28.2

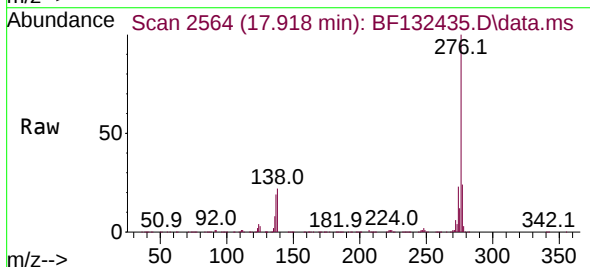
Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/17/2023  
Supervised By :Jagrut Upadhyay 02/17/2023



#92  
Benzo(g,h,i)perylene  
Concen: 46.882 ng  
RT: 17.918 min Scan# 2564  
Delta R.T. 0.006 min  
Lab File: BF132435.D  
Acq: 16 Feb 2023 15:47



Tgt Ion:276 Resp: 1225642  
Ion Ratio Lower Upper  
276 100  
277 24.0 19.6 29.4  
138 22.4 17.7 26.5

