

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091522\  
 Data File : BF130265.D  
 Acq On : 15 Sep 2022 11:37  
 Operator : CG\JU  
 Sample : PB147583BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147583BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022  
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 03:23:10 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091422.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 14 14:55:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.675  | 152  | 106361   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.963  | 136  | 427374   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.710  | 164  | 226573   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.192 | 188  | 399473   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.822 | 240  | 228070   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.210 | 264  | 177866   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.287  | 112  | 829013   | 135.190 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.316  | 99   | 1019167  | 132.828 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.245  | 82   | 665850   | 79.596  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.504 | 330  | 345350   | 159.074 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.039  | 172  | 1273375  | 81.840  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.775 | 244  | 1370716  | 99.556  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.393  | 88   | 95738    | 33.994  | ng    | 98       |
| 3) Pyridine                   | 3.081  | 79   | 244566   | 33.290  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.034  | 42   | 161683   | 40.464  | ng    | 98       |
| 6) Aniline                    | 6.340  | 93   | 403148   | 42.644  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.463  | 128  | 316043   | 45.243  | ng    | 94       |
| 9) Benzaldehyde               | 6.228  | 77   | 207127   | 40.300  | ng    | 95       |
| 10) Phenol                    | 6.328  | 94   | 391350   | 43.523  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 6.422  | 93   | 289817   | 44.686  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 6.616  | 146  | 336146   | 43.733  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.693  | 146  | 343446   | 43.817  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.846  | 146  | 322825   | 44.089  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.828  | 79   | 267404   | 43.956  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 6.957  | 45   | 397183   | 41.988  | ng    | 97       |
| 17) 2-Methylphenol            | 6.940  | 107  | 251781   | 44.340  | ng    | 99       |
| 18) Hexachloroethane          | 7.187  | 117  | 132862   | 43.002  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.104  | 70   | 226887   | 43.822  | ng    | 95       |
| 20) 3+4-Methylphenols         | 7.093  | 107  | 318464   | 43.172  | ng    | # 87     |
| 22) Acetophenone              | 7.093  | 105  | 453992   | 43.450  | ng    | 98       |
| 24) Nitrobenzene              | 7.263  | 77   | 345927   | 40.725  | ng    | 100      |
| 25) Isophorone                | 7.504  | 82   | 614311   | 45.562  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.581  | 139  | 160468   | 46.085  | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.622  | 122  | 273841   | 51.076  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.722  | 93   | 362873   | 47.796  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.822  | 162  | 261713   | 44.545  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.904  | 180  | 269272   | 42.391  | ng    | 95       |
| 31) Naphthalene               | 7.981  | 128  | 916410   | 41.621  | ng    | 100      |
| 32) Benzoic acid              | 7.757  | 122  | 193361   | 46.637  | ng    | 100      |
| 33) 4-Chloroaniline           | 8.034  | 127  | 306443   | 36.594  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.098  | 225  | 171296   | 42.196  | ng    | 97       |
| 35) Caprolactam               | 8.410  | 113  | 83642m   | 49.659  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.522  | 107  | 301540   | 46.304  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.675  | 142  | 607788   | 43.295  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.769  | 142  | 572419   | 42.446  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.839  | 216  | 271981   | 43.986  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.828  | 237  | 394676   | 119.220 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 8.951  | 196  | 189064   | 43.812  | ng    | 96       |

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Manual Integrations  
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Quant Time: Sep 16 03:23:10 2022  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 14 14:55:51 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 8.987  | 196  | 203059   | 43.605 | ng    | 94       |
| 46) 1,1'-Biphenyl             | 9.139  | 154  | 751611   | 44.418 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.163  | 162  | 583295   | 42.612 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.263  | 65   | 192956   | 42.264 | ng    | 89       |
| 49) Acenaphthylene            | 9.575  | 152  | 883691   | 43.057 | ng    | 100      |
| 50) Dimethylphthalate         | 9.445  | 163  | 694922   | 44.402 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.504  | 165  | 154436   | 47.183 | ng    | 94       |
| 52) Acenaphthene              | 9.745  | 154  | 660711m  | 48.997 | ng    |          |
| 53) 3-Nitroaniline            | 9.675  | 138  | 133257   | 36.537 | ng    | 90       |
| 54) 2,4-Dinitrophenol         | 9.781  | 184  | 172041   | 95.573 | ng    | # 87     |
| 55) Dibenzofuran              | 9.916  | 168  | 805416   | 42.941 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.839  | 139  | 251939   | 94.840 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 9.910  | 165  | 208250   | 49.783 | ng    | # 90     |
| 58) Fluorene                  | 10.257 | 166  | 671995   | 43.809 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.034 | 232  | 160378   | 44.001 | ng    | 99       |
| 60) Diethylphthalate          | 10.145 | 149  | 705327   | 44.941 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.257 | 204  | 308485   | 45.844 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.292 | 138  | 162020   | 44.221 | ng    | 98       |
| 63) Azobenzene                | 10.416 | 77   | 678576   | 41.989 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.310 | 198  | 100902   | 45.375 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.375 | 169  | 568874   | 42.615 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.745 | 248  | 200378   | 45.470 | ng    | 90       |
| 68) Hexachlorobenzene         | 10.798 | 284  | 221493   | 44.339 | ng    | # 92     |
| 69) Atrazine                  | 10.904 | 200  | 195815   | 50.194 | ng    | 98       |
| 70) Pentachlorophenol         | 10.998 | 266  | 260360   | 97.113 | ng    | 100      |
| 71) Phenanthrene              | 11.216 | 178  | 938174   | 41.830 | ng    | 100      |
| 72) Anthracene                | 11.269 | 178  | 952228   | 43.996 | ng    | 99       |
| 73) Carbazole                 | 11.428 | 167  | 868610   | 44.469 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.763 | 149  | 1062748  | 45.118 | ng    | 99       |
| 75) Fluoranthene              | 12.398 | 202  | 932910   | 43.046 | ng    | 99       |
| 77) Benzidine                 | 12.527 | 184  | 472520   | 71.370 | ng    | 99       |
| 78) Pyrene                    | 12.627 | 202  | 926653   | 46.445 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.251 | 149  | 355139   | 48.048 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.810 | 228  | 667035   | 43.964 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.780 | 252  | 181847   | 44.030 | ng    | # 98     |
| 83) Chrysene                  | 13.845 | 228  | 605231   | 42.012 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.810 | 149  | 412608   | 48.736 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.421 | 149  | 599545   | 46.300 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.545 | 276  | 617609   | 48.965 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.821 | 252  | 545780   | 47.013 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.845 | 252  | 501251   | 43.893 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.151 | 252  | 451266   | 49.065 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 16.563 | 278  | 536664   | 51.865 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 16.945 | 276  | 534839   | 51.312 | ng    | 98       |

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

## Manual Integrations APPROVED

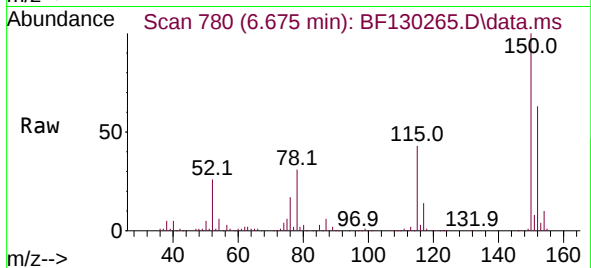
Quant Time: Sep 16 03:23:10 2022  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 14 14:55:51 2022  
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.675 min Scan# 74  
 Delta R.T. -0.006 min  
 Lab File: BF130265.D  
 Acq: 15 Sep 2022 11:37

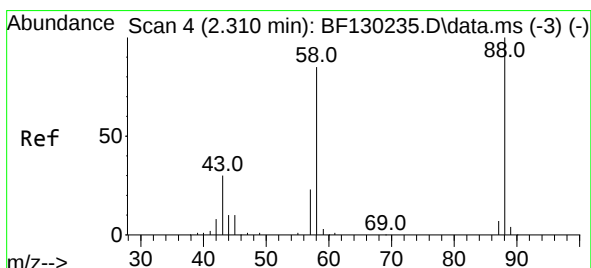
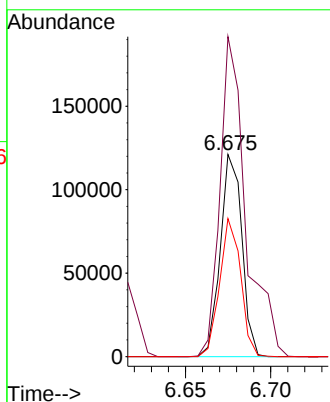
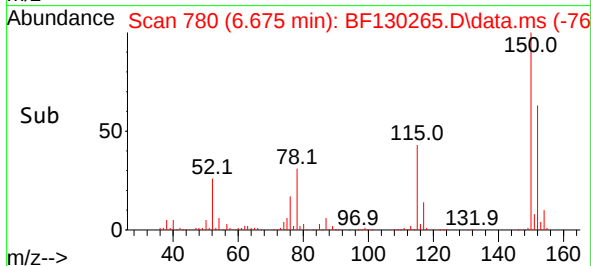
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147583BS



Tgt Ion:152 Resp: 106361  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 122.8 184.2  
 115 68.3 53.8 80.8

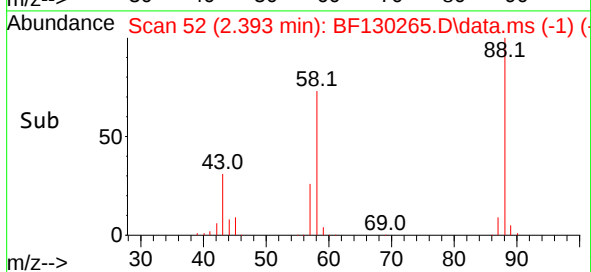
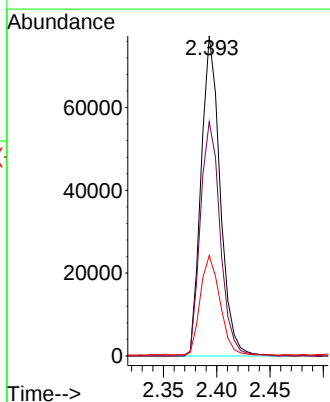
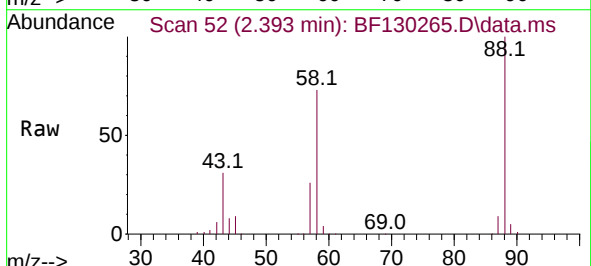
Manual Integrations  
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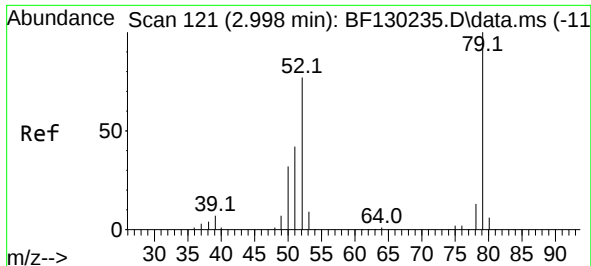
Reviewed By :Christian Giraldo 09/16/2022  
 Supervised By :Jagrut Upadhyay 09/16/2022



#2  
 1,4-Dioxane  
 Concen: 33.994 ng  
 RT: 2.393 min Scan# 52  
 Delta R.T. 0.083 min  
 Lab File: BF130265.D  
 Acq: 15 Sep 2022 11:37

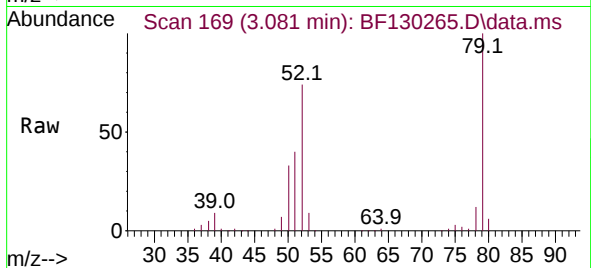
Tgt Ion: 88 Resp: 95738  
 Ion Ratio Lower Upper  
 88 100  
 58 76.5 61.3 91.9  
 43 32.2 23.0 34.6





#3  
Pyridine  
Concen: 33.290 ng  
RT: 3.081 min Scan# 10  
Delta R.T. 0.083 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

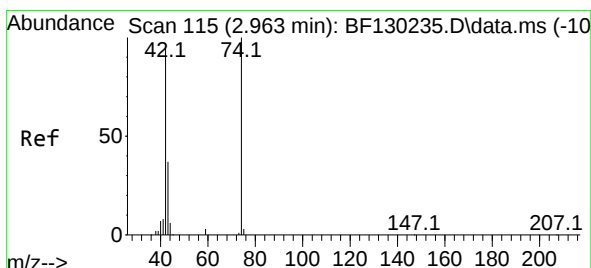
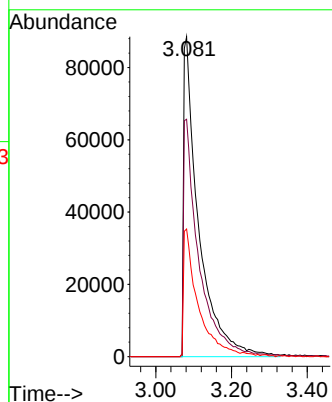
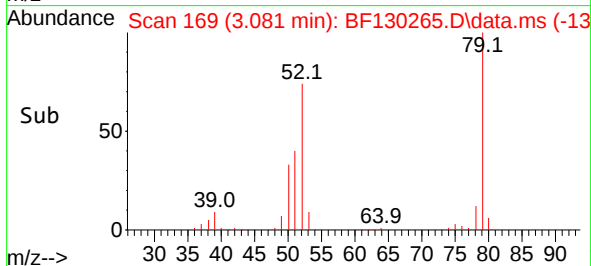
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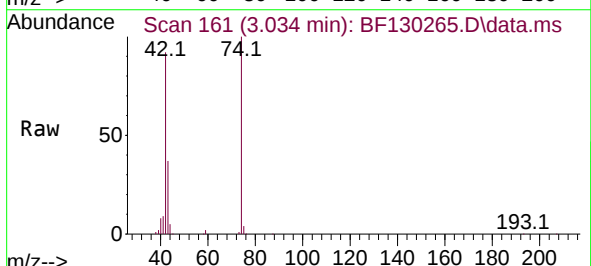
Tgt Ion: 79 Resp: 244566  
Ion Ratio Lower Upper  
79 100  
52 74.2 62.4 93.6  
51 39.9 32.2 48.4

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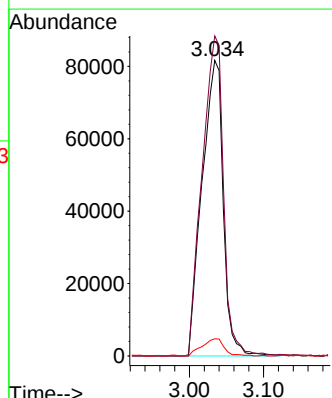
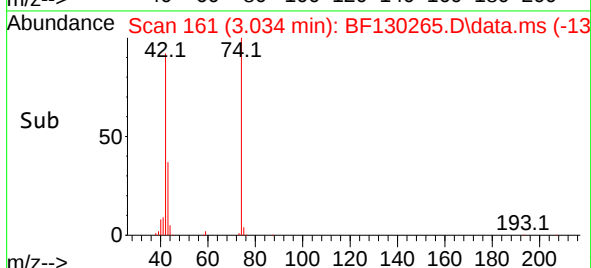
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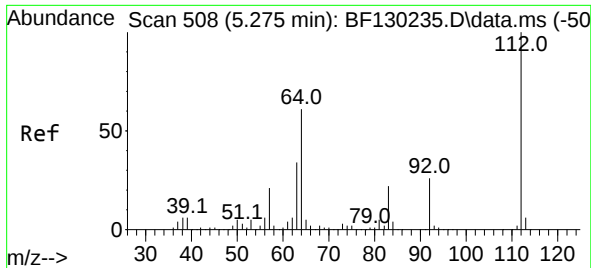


#4  
n-Nitrosodimethylamine  
Concen: 40.464 ng  
RT: 3.034 min Scan# 161  
Delta R.T. 0.071 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



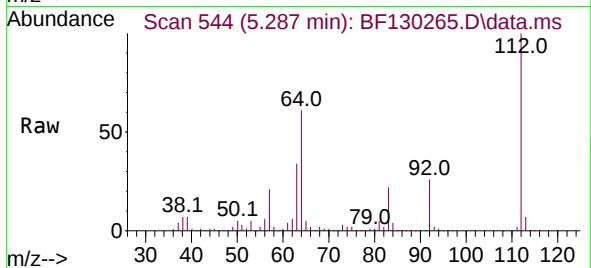
Tgt Ion: 42 Resp: 161683  
Ion Ratio Lower Upper  
42 100  
74 108.3 88.4 132.6  
44 5.8 5.0 7.4





#5  
2-Fluorophenol  
Concen: 135.190 ng  
RT: 5.287 min Scan# 54  
Delta R.T. 0.012 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

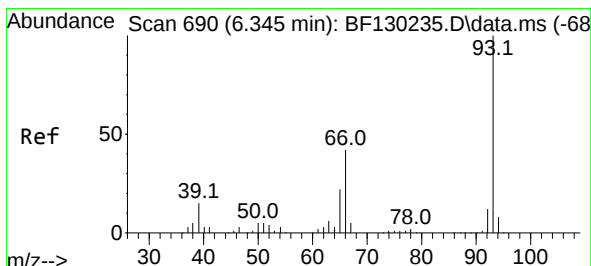
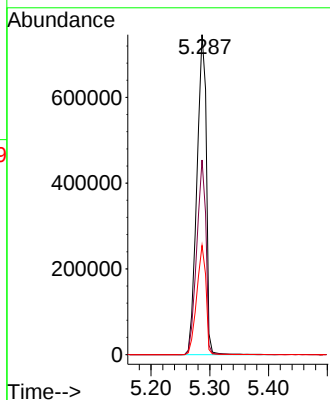
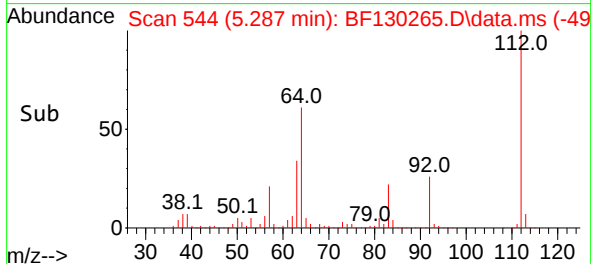
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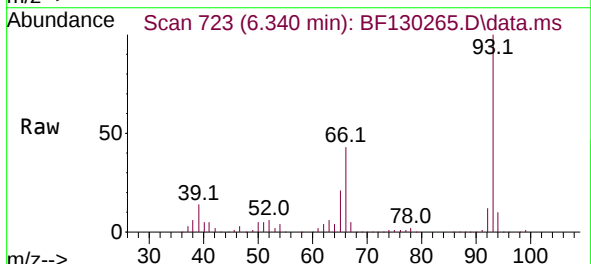
Tgt Ion:112 Resp: 829013  
Ion Ratio Lower Upper  
112 100  
64 60.8 51.4 77.0  
63 34.1 28.8 43.2

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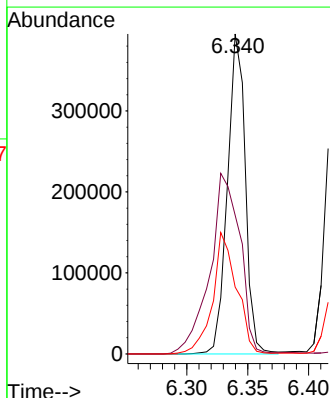
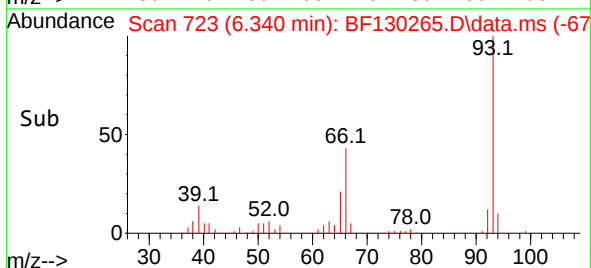
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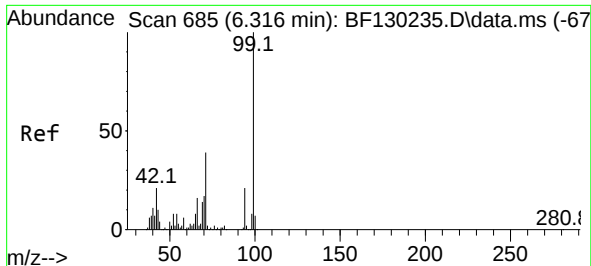


#6  
Aniline  
Concen: 42.644 ng  
RT: 6.340 min Scan# 723  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



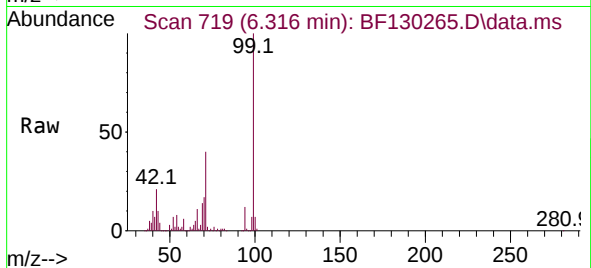
Tgt Ion: 93 Resp: 403148  
Ion Ratio Lower Upper  
93 100  
66 43.3 34.2 51.4  
65 20.9 16.6 24.8





#7  
Phenol-d6  
Concen: 132.828 ng  
RT: 6.316 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

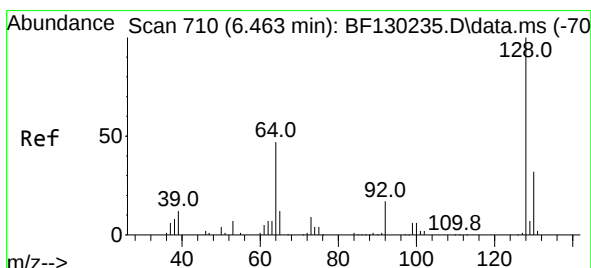
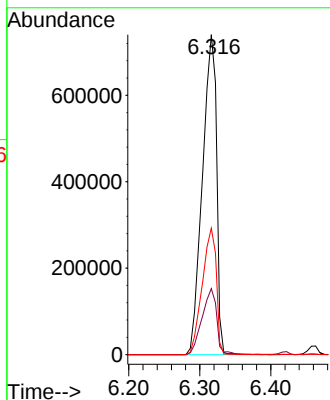
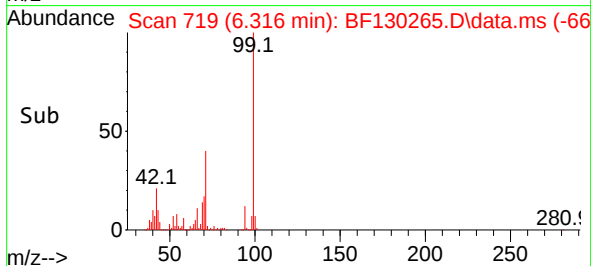
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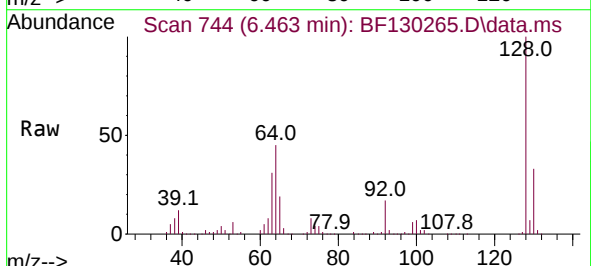
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Ion Ratio Lower Upper  
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71 39.5 32.3 48.5

Manual Integrations  
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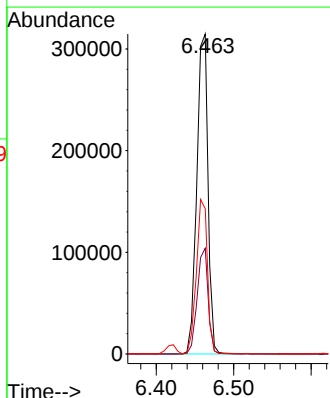
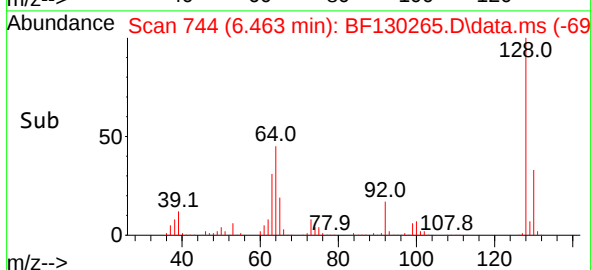
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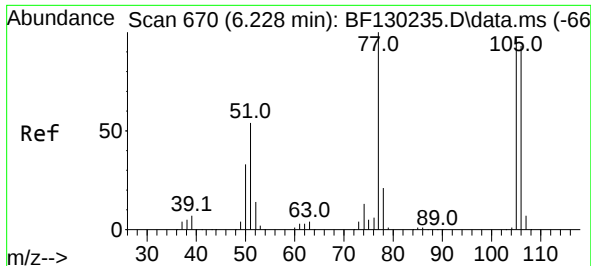


#8  
2-Chlorophenol  
Concen: 45.243 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



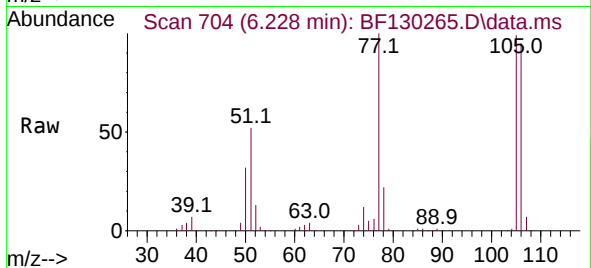
Tgt Ion:128 Resp: 316043  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.4 52.4  
64 45.4 31.6 71.6





#9  
Benzaldehyde  
Concen: 40.300 ng  
RT: 6.228 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

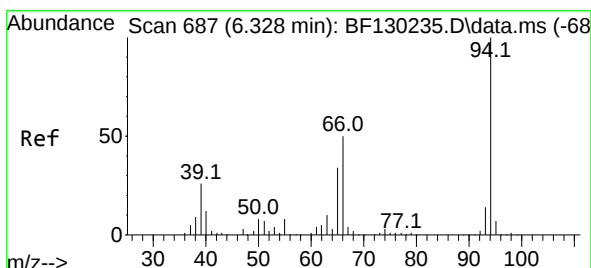
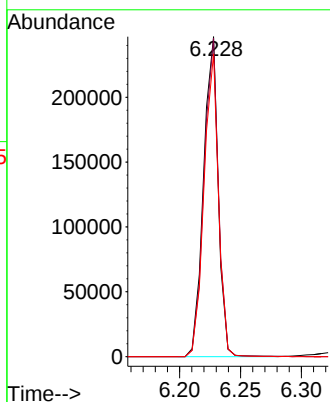
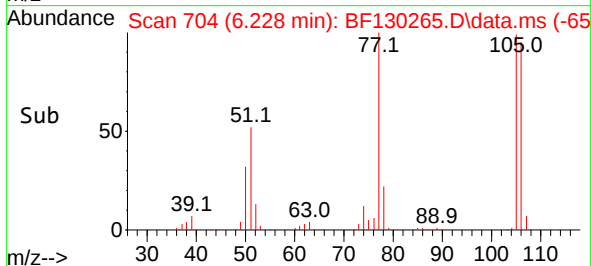
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



Tgt Ion: 77 Resp: 20712  
Ion Ratio Lower Upper  
77 100  
105 99.4 75.1 115.1  
106 94.6 69.7 109.7

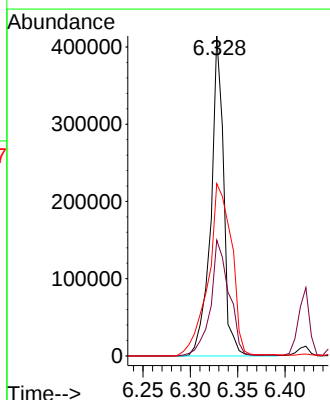
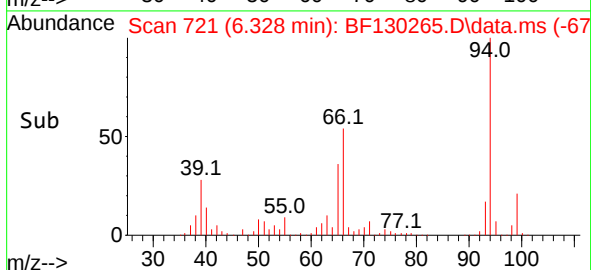
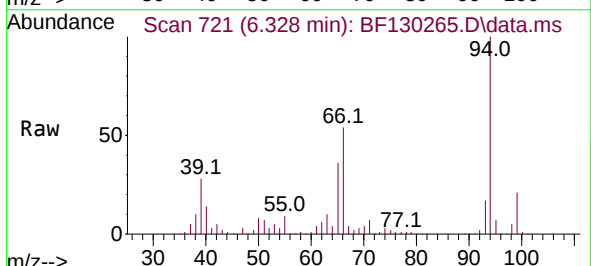
Manual Integrations  
APPROVED

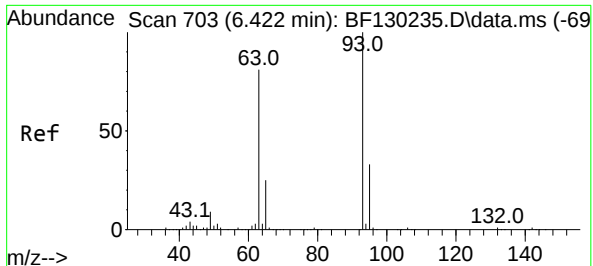
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#10  
Phenol  
Concen: 43.523 ng  
RT: 6.328 min Scan# 721  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion: 94 Resp: 391350  
Ion Ratio Lower Upper  
94 100  
65 36.2 14.1 54.1  
66 53.8 28.1 68.1





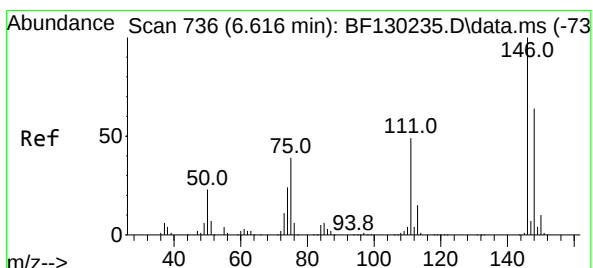
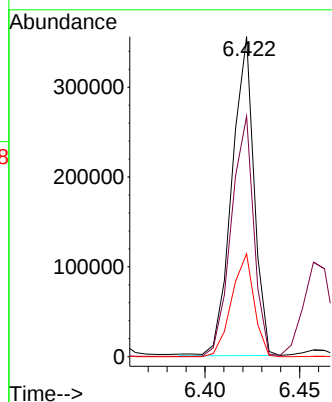
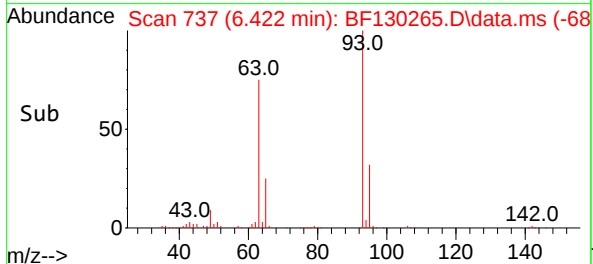
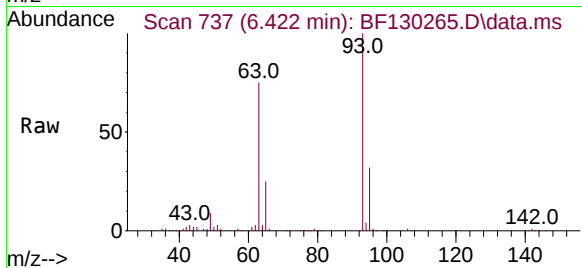
#11  
bis(2-Chloroethyl)ether  
Concen: 44.686 ng  
RT: 6.422 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS

Tgt Ion: 93 Resp: 289817  
Ion Ratio Lower Upper  
93 100  
63 75.1 62.5 102.5  
95 32.1 12.5 52.5

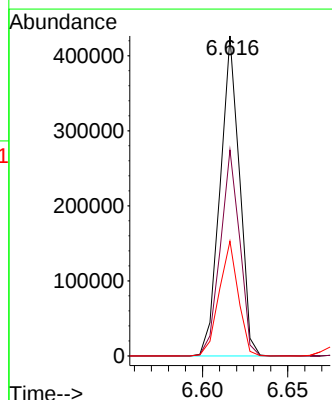
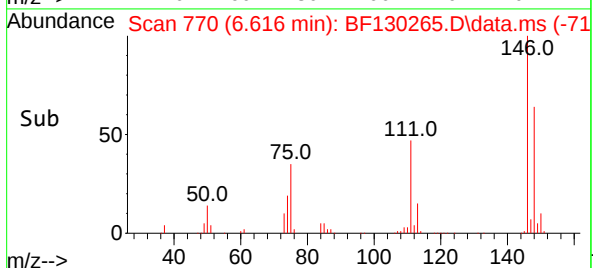
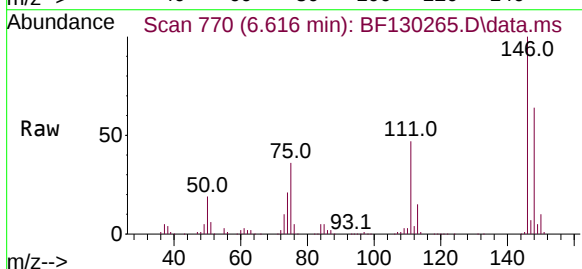
Manual Integrations  
APPROVED

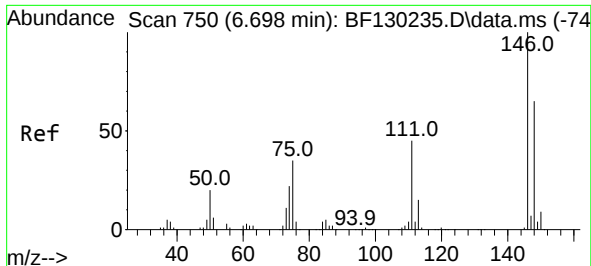
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#12  
1,3-Dichlorobenzene  
Concen: 43.733 ng  
RT: 6.616 min Scan# 770  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

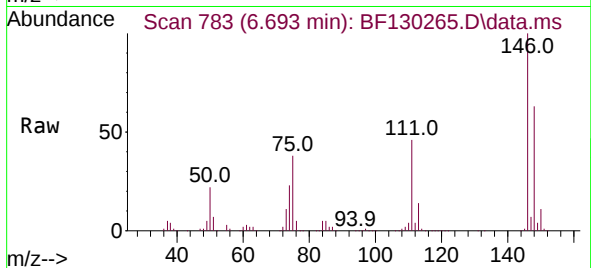
Tgt Ion:146 Resp: 336146  
Ion Ratio Lower Upper  
146 100  
148 64.4 51.4 77.2  
75 35.8 28.8 43.2





#13  
1,4-Dichlorobenzene  
Concen: 43.817 ng  
RT: 6.693 min Scan# 783  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

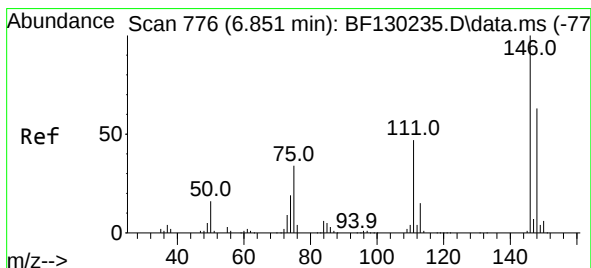
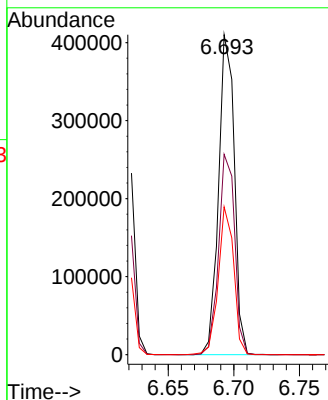
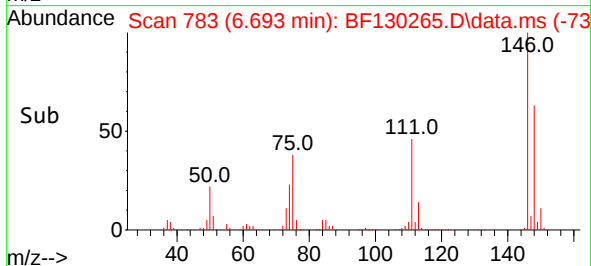
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



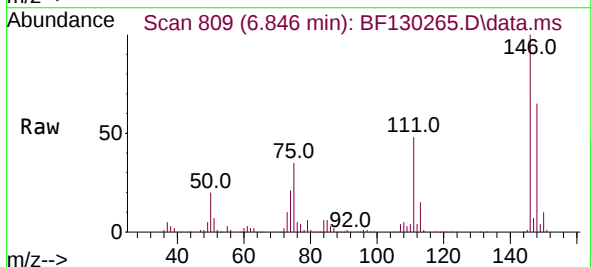
Tgt Ion:146 Resp: 343446  
Ion Ratio Lower Upper  
146 100  
148 62.6 50.3 75.5  
111 46.2 36.3 54.5

Manual Integrations  
APPROVED

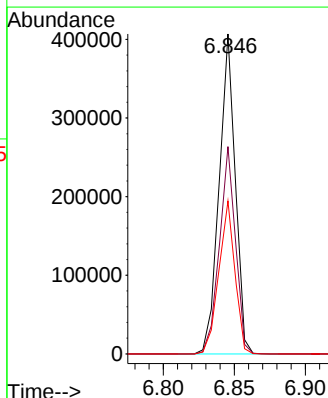
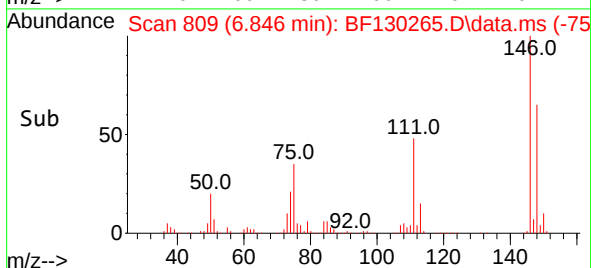
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

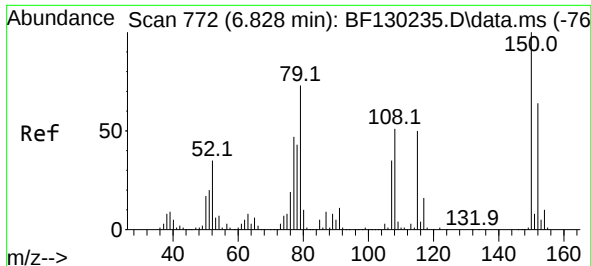


#14  
1,2-Dichlorobenzene  
Concen: 44.089 ng  
RT: 6.846 min Scan# 809  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



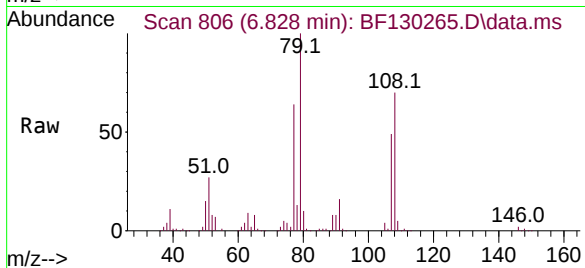
Tgt Ion:146 Resp: 322825  
Ion Ratio Lower Upper  
146 100  
148 64.8 51.6 77.4  
111 47.8 39.2 58.8





#15  
Benzyl Alcohol  
Concen: 43.956 ng  
RT: 6.828 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

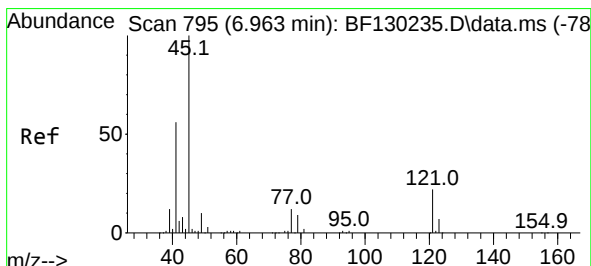
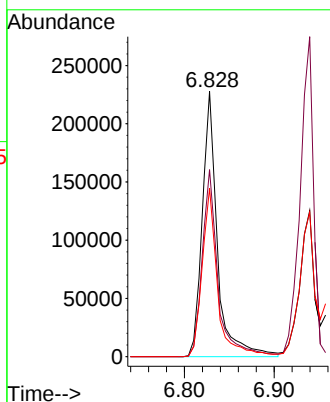
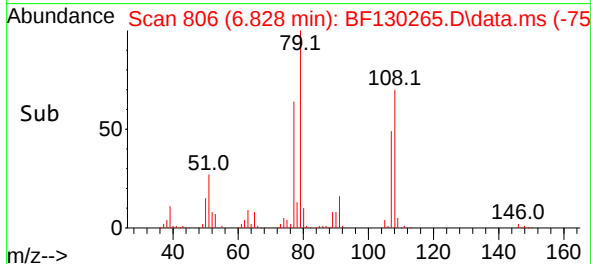
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



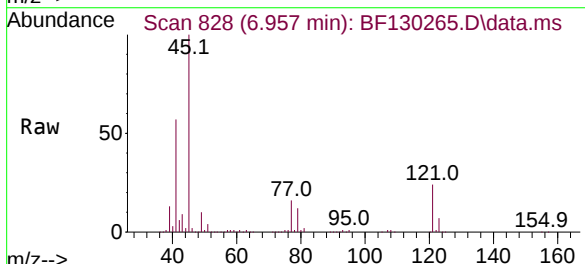
Tgt Ion: 79 Resp: 267404  
Ion Ratio Lower Upper  
79 100  
108 70.5 54.0 81.0  
77 63.5 51.3 76.9

Manual Integrations  
APPROVED

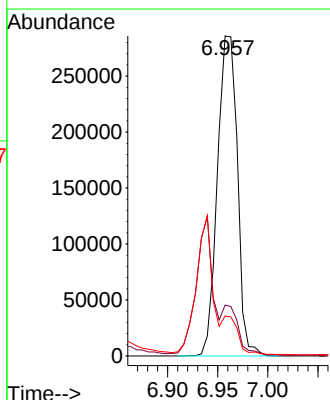
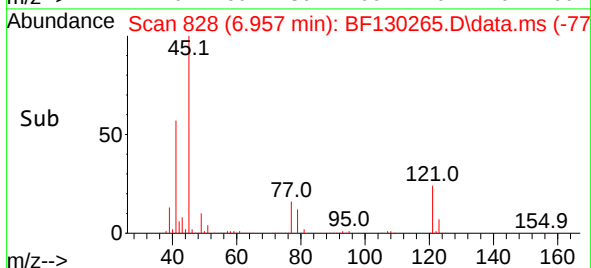
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

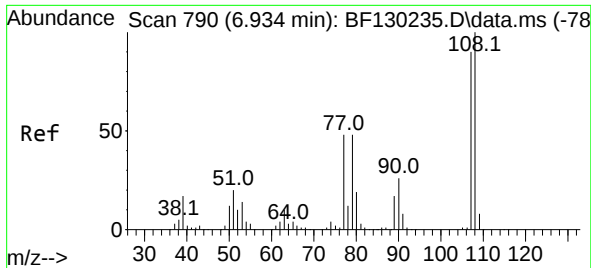


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.988 ng  
RT: 6.957 min Scan# 828  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion: 45 Resp: 397183  
Ion Ratio Lower Upper  
45 100  
77 15.9 0.0 34.9  
79 12.5 0.0 31.0





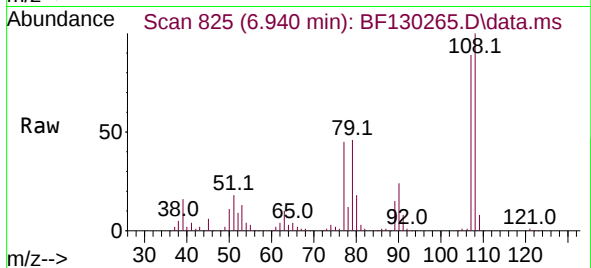
#17  
2-Methylphenol  
Concen: 44.340 ng  
RT: 6.940 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

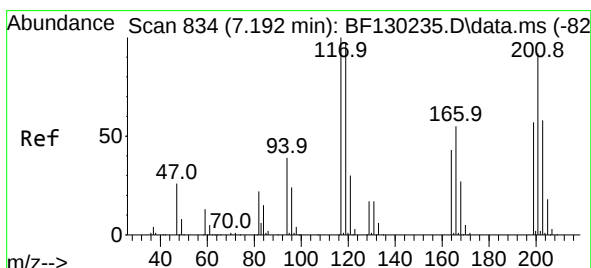
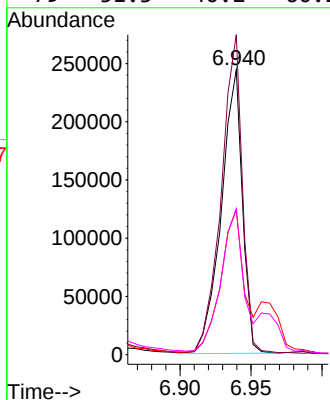
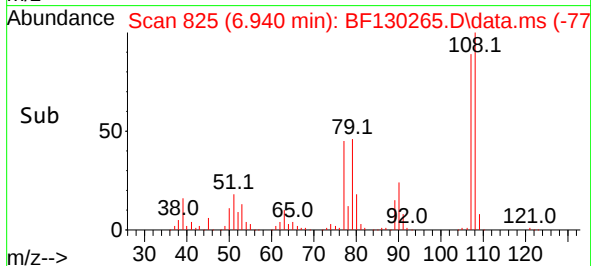


Tgt Ion:107 Resp: 251781  
Ion Ratio Lower Upper  
107 100  
108 112.3 89.4 134.0  
77 50.8 40.6 60.8  
79 51.3 40.2 60.2

Manual Integrations

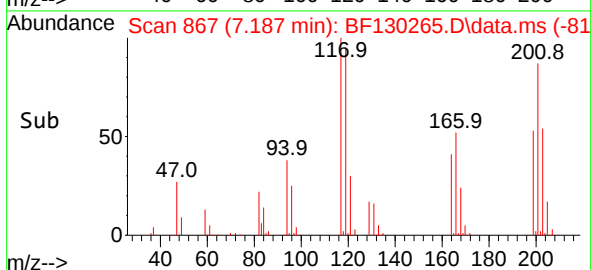
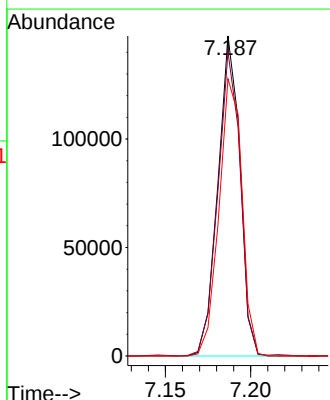
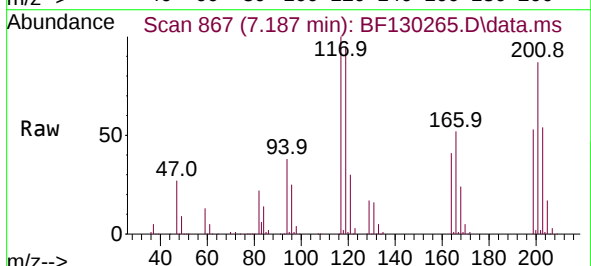
APPROVED

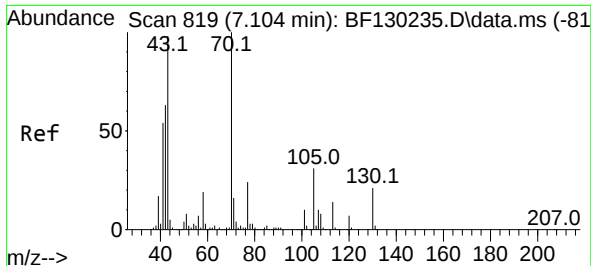
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#18  
Hexachloroethane  
Concen: 43.002 ng  
RT: 7.187 min Scan# 867  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:117 Resp: 132862  
Ion Ratio Lower Upper  
117 100  
119 95.0 77.8 116.6  
201 86.6 68.7 103.1





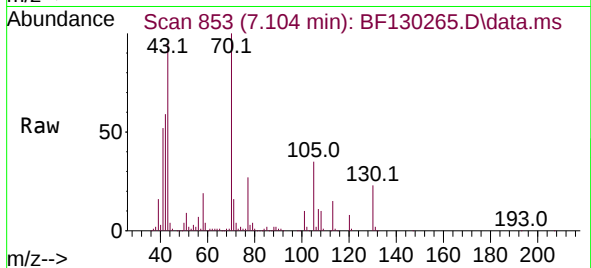
#19  
n-Nitroso-di-n-propylamine  
Concen: 43.822 ng  
RT: 7.104 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

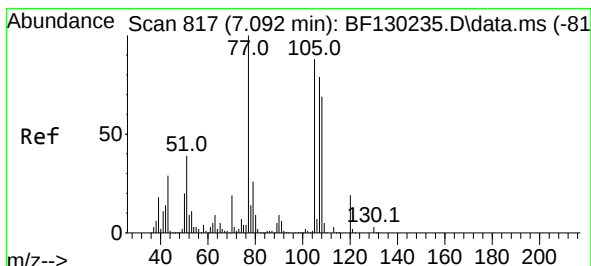
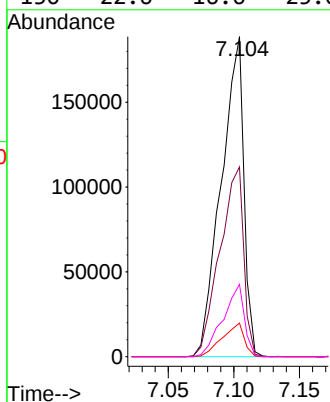
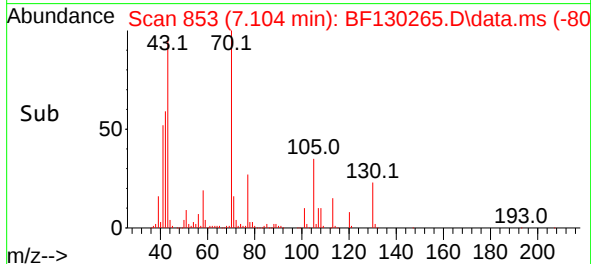
PB147583BS



Tgt Ion: 70 Resp: 226887  
Ion Ratio Lower Upper  
70 100  
42 59.3 50.8 76.2  
101 10.5 8.2 12.4  
130 22.6 16.6 25.0

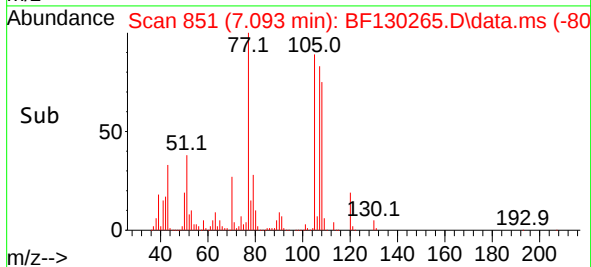
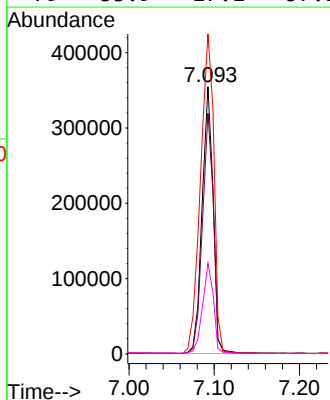
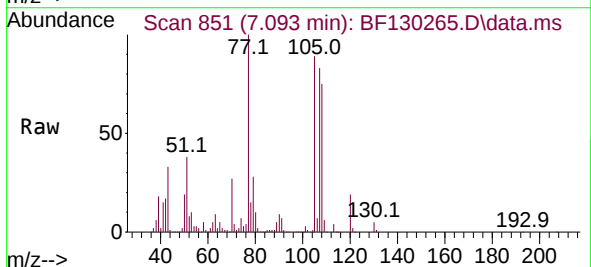
Manual Integrations  
APPROVED

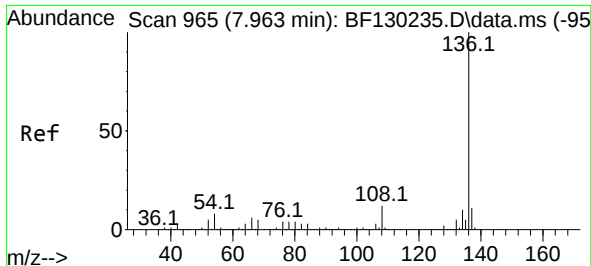
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#20  
3+4-Methylphenols  
Concen: 43.172 ng  
RT: 7.093 min Scan# 851  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

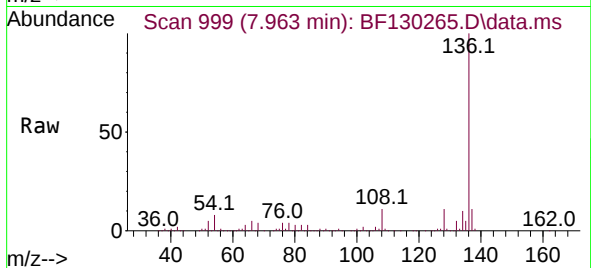
Tgt Ion:107 Resp: 318464  
Ion Ratio Lower Upper  
107 100  
108 90.1 74.8 114.8  
77 119.8 125.8 165.8#  
79 33.9 17.1 57.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.963 min Scan# 965  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

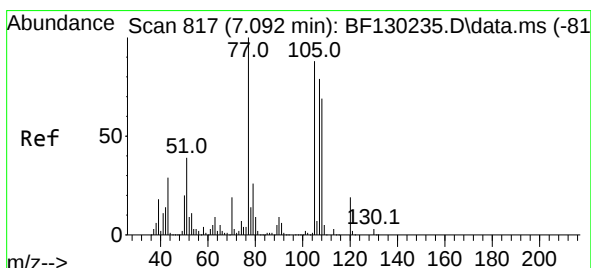
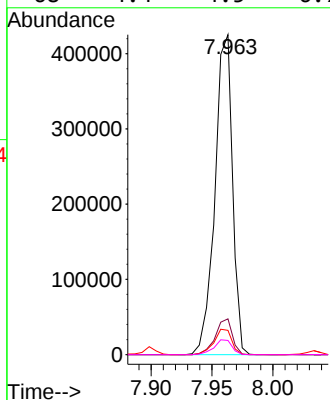
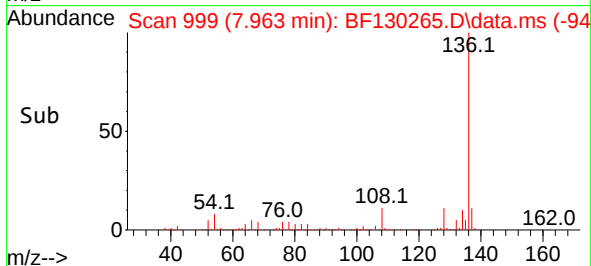
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



Tgt Ion:136 Resp: 427374  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 7.6 7.1 10.7  
68 4.4 4.5 6.7#

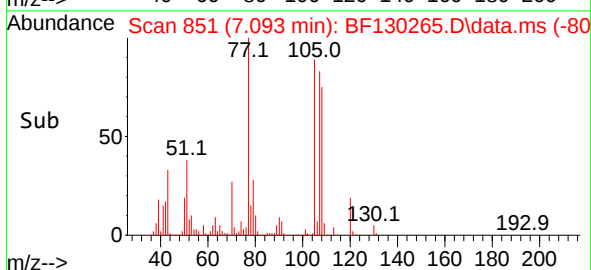
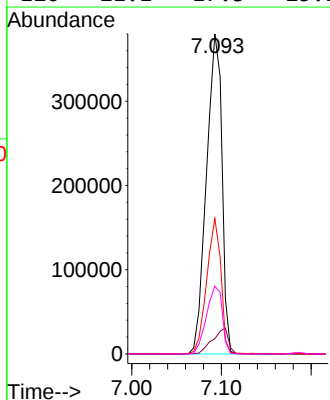
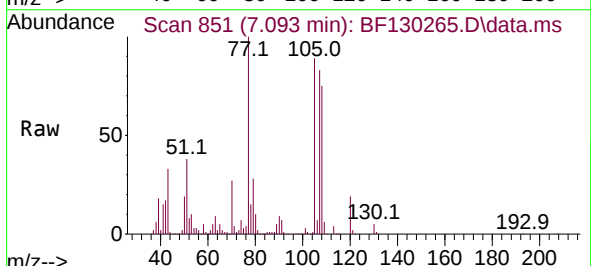
Manual Integrations  
APPROVED

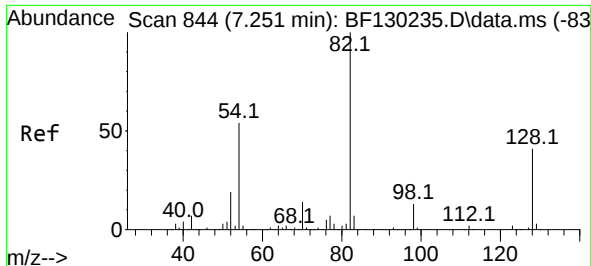
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#22  
Acetophenone  
Concen: 43.450 ng  
RT: 7.093 min Scan# 851  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:105 Resp: 453992  
Ion Ratio Lower Upper  
105 100  
71 4.8 3.9 5.9  
51 42.3 32.2 48.2  
120 21.1 17.3 25.9





#23

Nitrobenzene-d5

Concen: 79.596 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

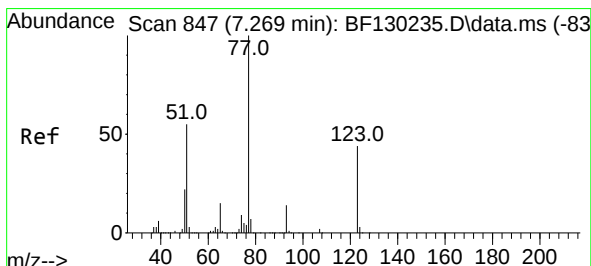
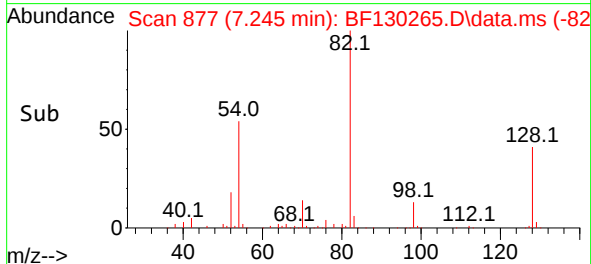
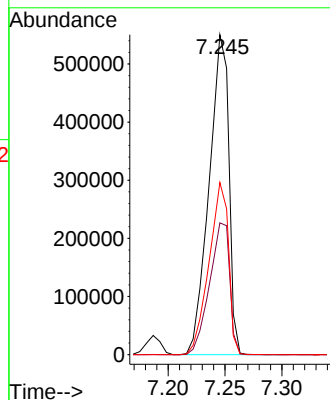
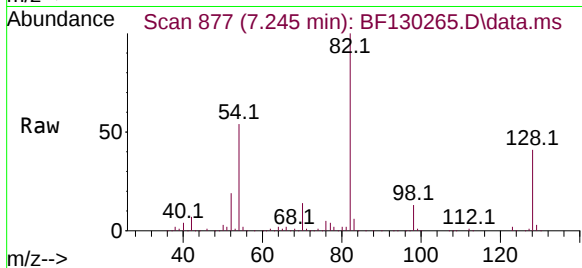
Tgt Ion: 82 Resp: 665850

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 41.2  | 32.6  | 49.0  |
| 54  | 53.8  | 43.8  | 65.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#24

Nitrobenzene

Concen: 40.725 ng

RT: 7.263 min Scan# 880

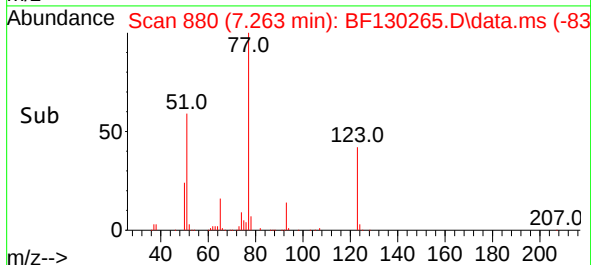
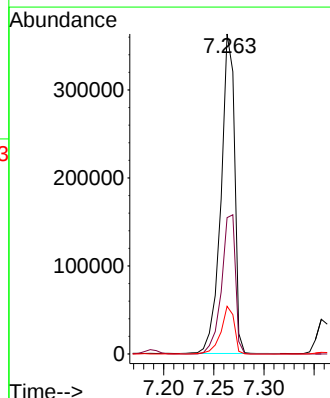
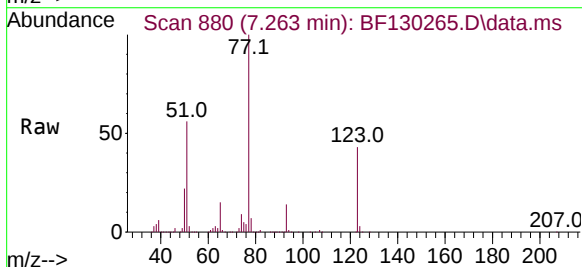
Delta R.T. -0.006 min

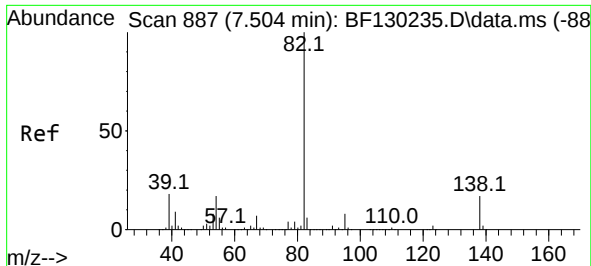
Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Tgt Ion: 77 Resp: 345927

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 42.6  | 34.3  | 51.5  |
| 65  | 14.9  | 12.0  | 18.0  |





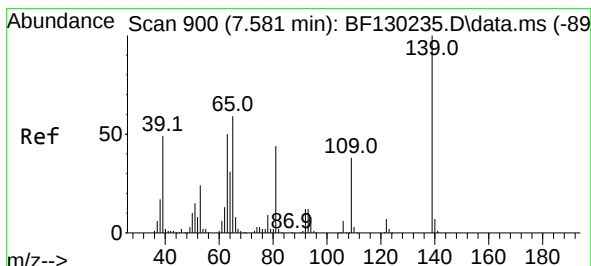
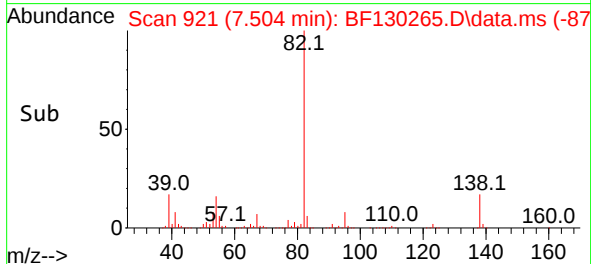
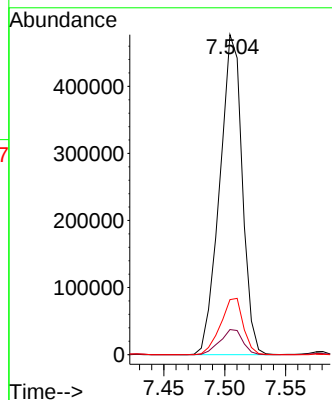
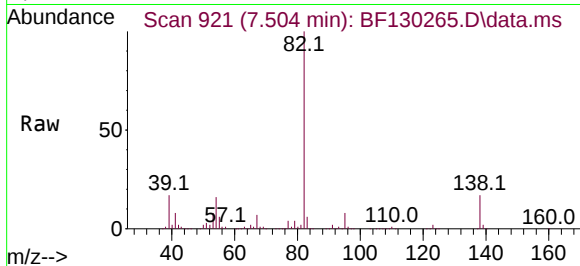
#25  
Isophorone  
Concen: 45.562 ng  
RT: 7.504 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS

Tgt Ion: 82 Resp: 61431  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 17.2 13.8 20.6

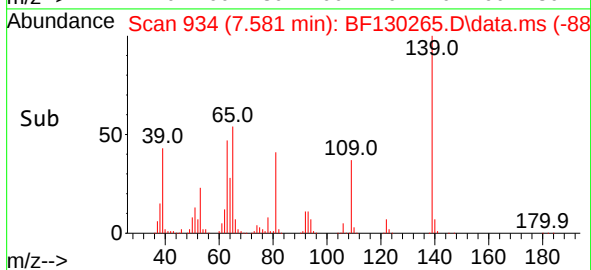
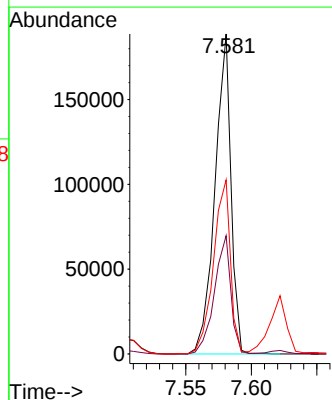
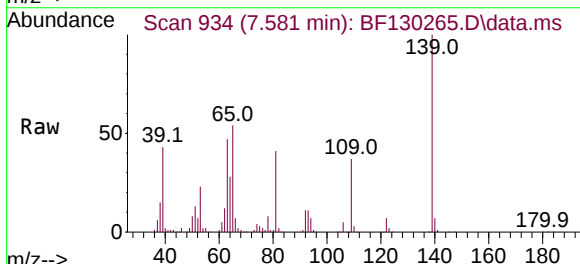
Manual Integrations  
APPROVED

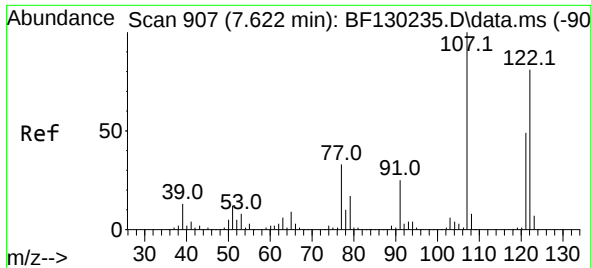
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#26  
2-Nitrophenol  
Concen: 46.085 ng  
RT: 7.581 min Scan# 934  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:139 Resp: 160468  
Ion Ratio Lower Upper  
139 100  
109 36.9 30.2 45.4  
65 54.4 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 51.076 ng

RT: 7.622 min Scan# 941

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

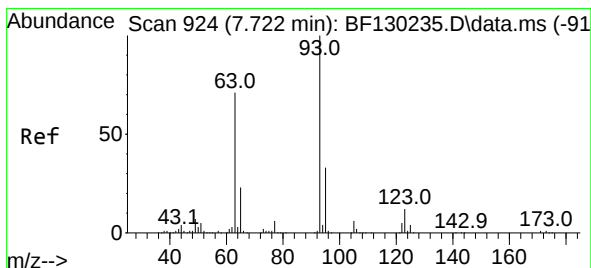
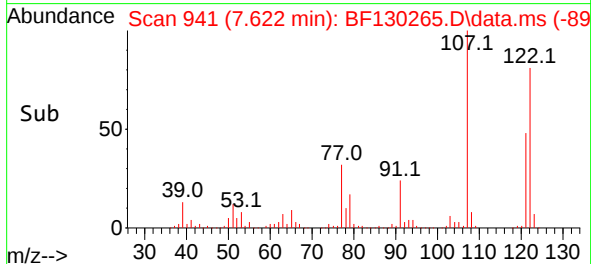
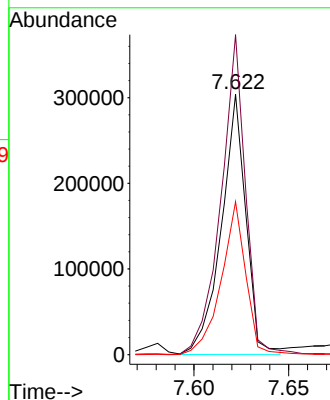
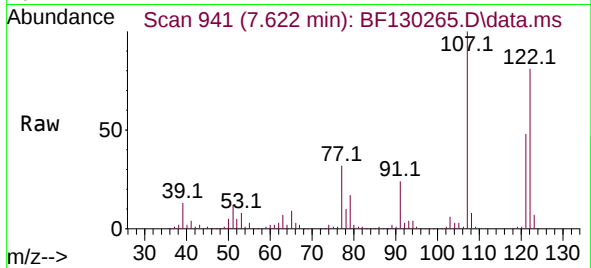
PB147583BS

Tgt Ion:122 Resp: 273841  
 Ion Ratio Lower Upper  
 122 100  
 107 122.9 100.2 150.2  
 121 58.7 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
 Supervised By :Jagrut Upadhyay 09/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 47.796 ng

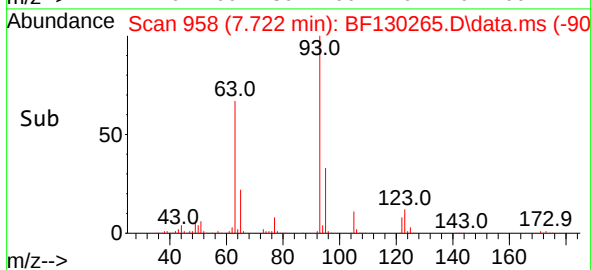
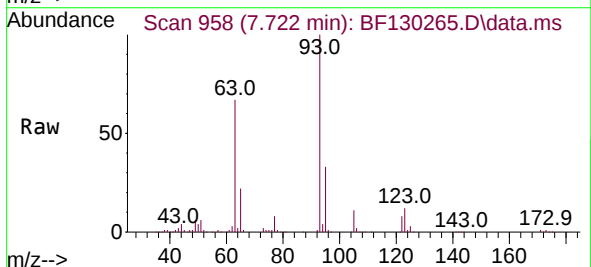
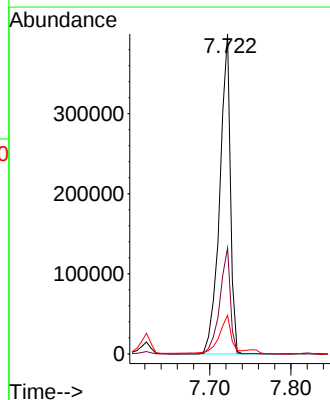
RT: 7.722 min Scan# 958

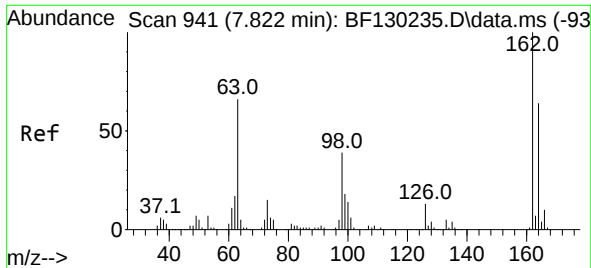
Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Tgt Ion: 93 Resp: 362873  
 Ion Ratio Lower Upper  
 93 100  
 95 33.2 26.3 39.5  
 123 12.0 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 44.545 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

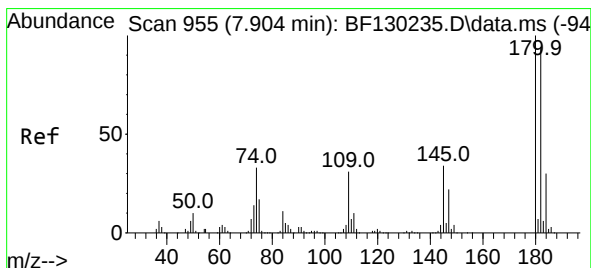
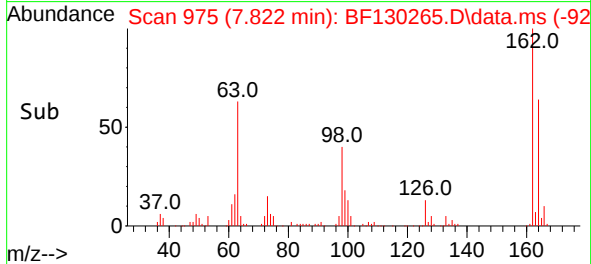
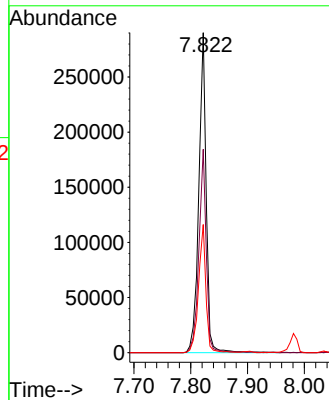
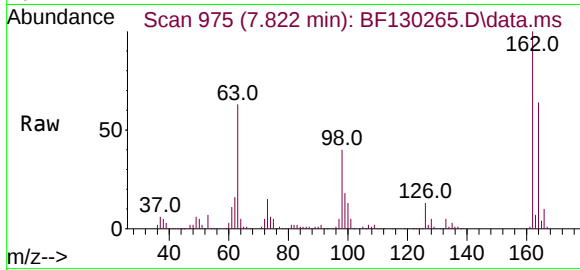
PB147583BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 261713 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 63.5  | 42.2  | 82.2   |
| 98        | 40.1  | 21.7  | 61.7   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#30

1,2,4-Trichlorobenzene

Concen: 42.391 ng

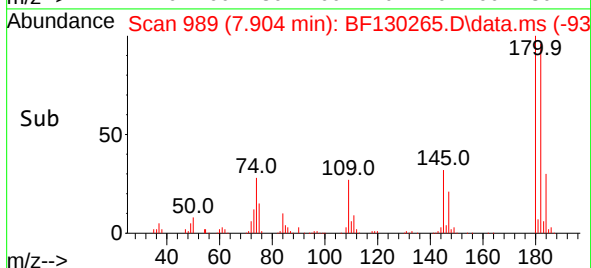
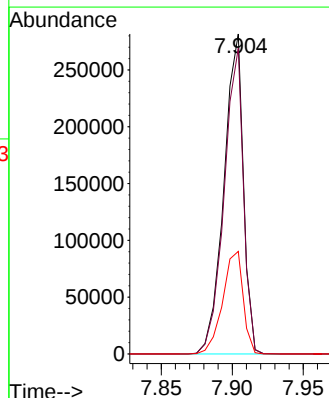
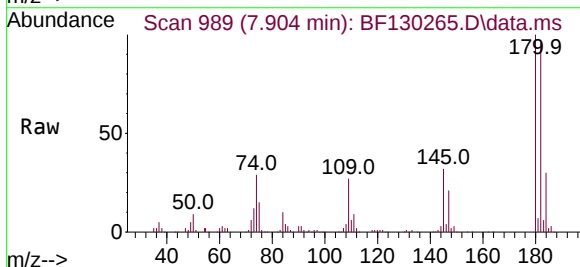
RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 269272 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 73.3  | 109.9  |
| 145       | 32.0  | 28.3  | 42.5   |





#31  
Naphthalene  
Concen: 41.621 ng  
RT: 7.981 min Scan# 10  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

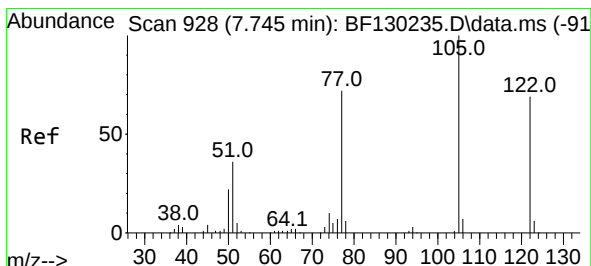
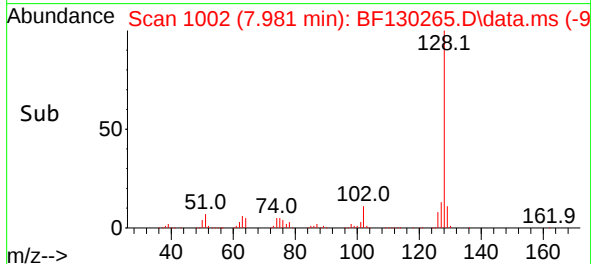
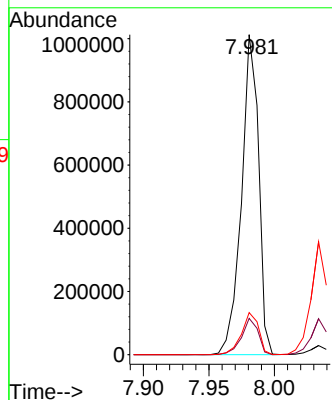
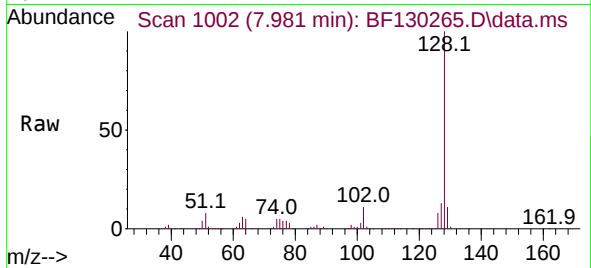
PB147583BS

Tgt Ion:128 Resp: 916410  
Ion Ratio Lower Upper  
128 100  
129 11.3 9.1 13.7  
127 13.1 10.6 16.0

Manual Integrations

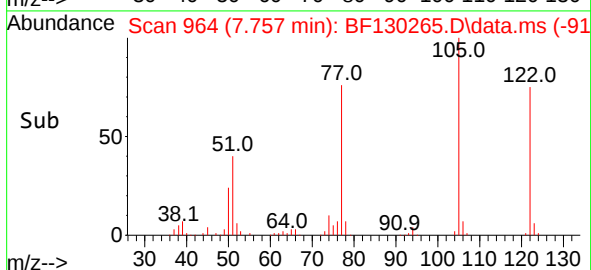
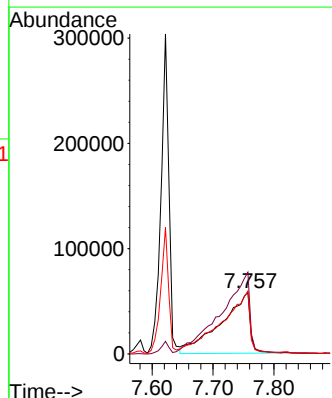
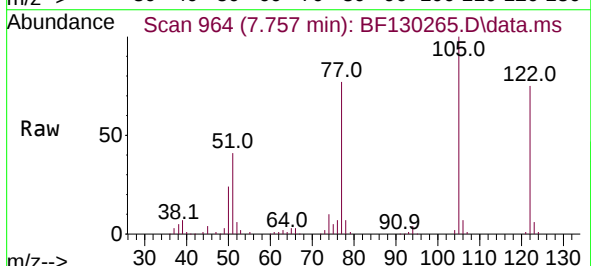
APPROVED

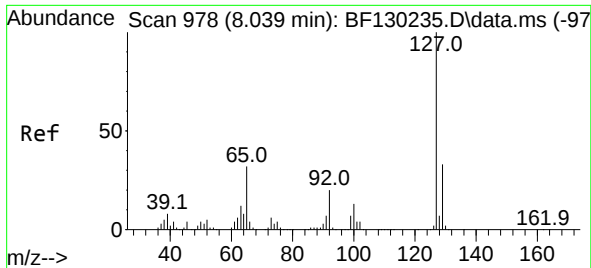
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#32  
Benzoic acid  
Concen: 46.637 ng  
RT: 7.757 min Scan# 964  
Delta R.T. 0.012 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:122 Resp: 193361  
Ion Ratio Lower Upper  
122 100  
105 132.7 112.9 152.9  
77 102.0 82.8 122.8





#33  
4-Chloroaniline  
Concen: 36.594 ng  
RT: 8.034 min Scan# 1011  
Delta R.T. -0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

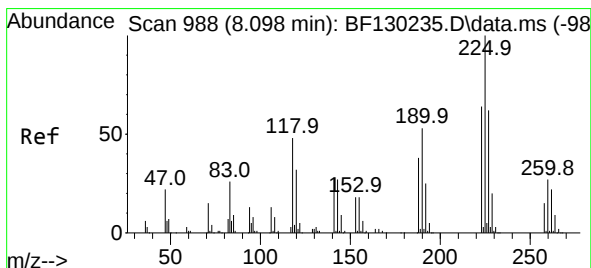
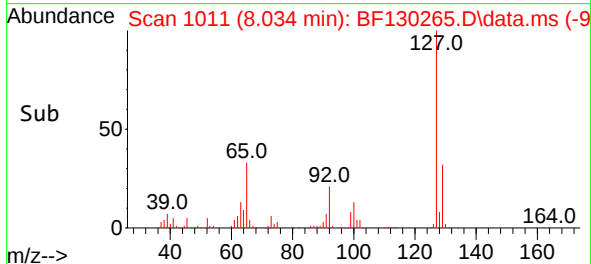
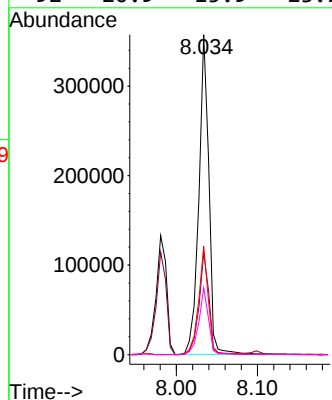
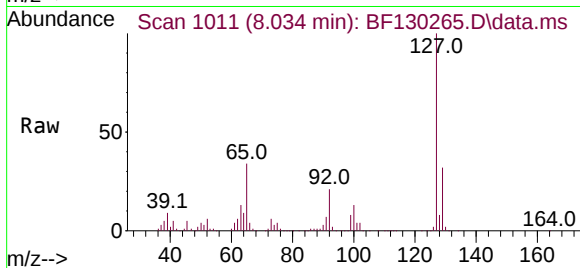
PB147583BS

Tgt Ion:127 Resp: 306443  
Ion Ratio Lower Upper  
127 100  
129 31.8 25.6 38.4  
65 33.9 27.0 40.6  
92 20.9 15.9 23.9

Manual Integrations

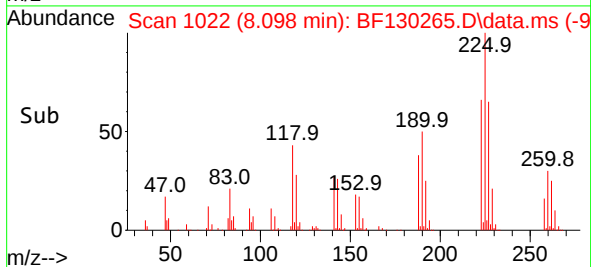
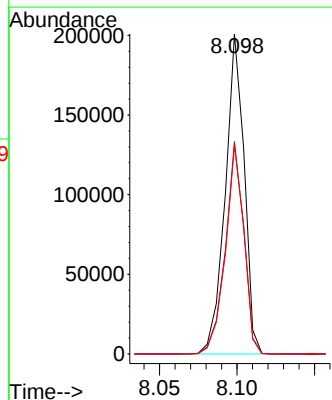
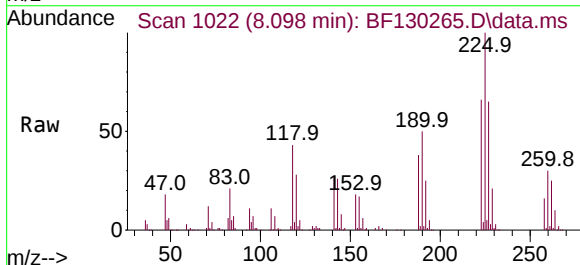
APPROVED

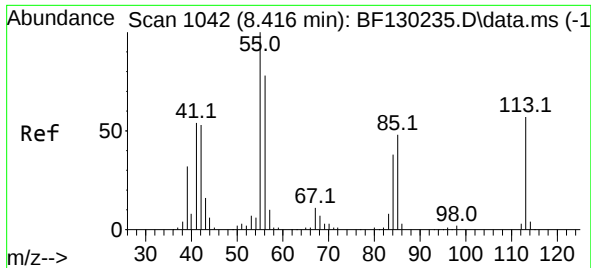
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#34  
Hexachlorobutadiene  
Concen: 42.196 ng  
RT: 8.098 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

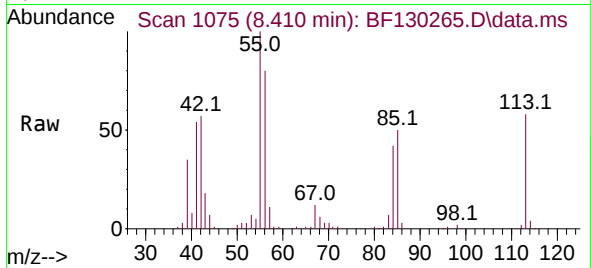
Tgt Ion:225 Resp: 171296  
Ion Ratio Lower Upper  
225 100  
223 66.3 50.3 75.5  
227 65.1 51.1 76.7





#35  
 Caprolactam  
 Concen: 49.659 ng m  
 RT: 8.410 min Scan# 1094  
 Delta R.T. -0.006 min  
 Lab File: BF130265.D  
 Acq: 15 Sep 2022 11:37

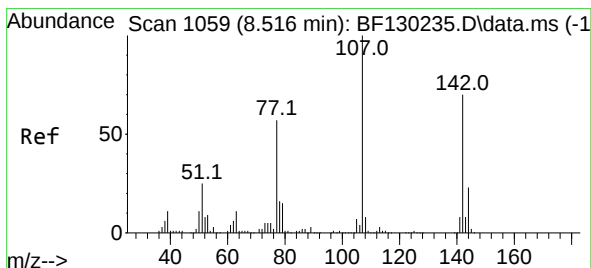
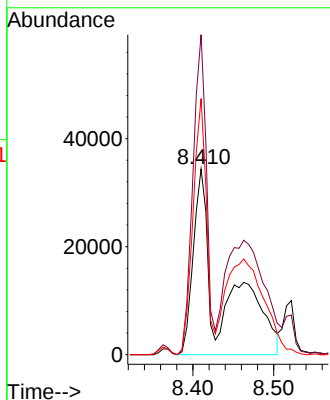
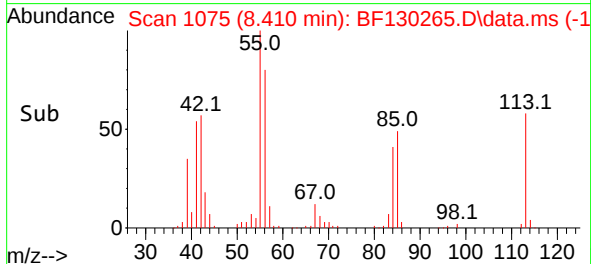
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB147583BS



Tgt Ion:113 Resp: 83642  
 Ion Ratio Lower Upper  
 113 100  
 55 172.4 155.4 195.4  
 56 138.0 120.4 160.4

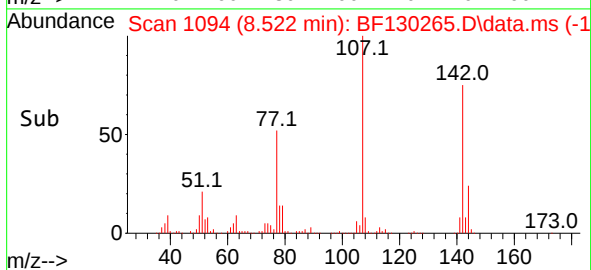
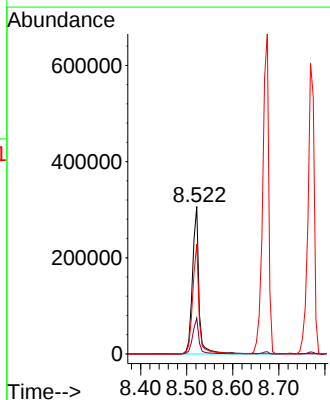
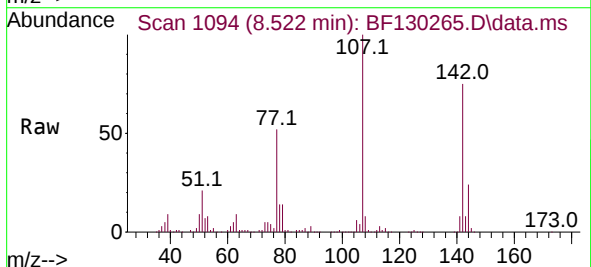
Manual Integrations  
 APPROVED

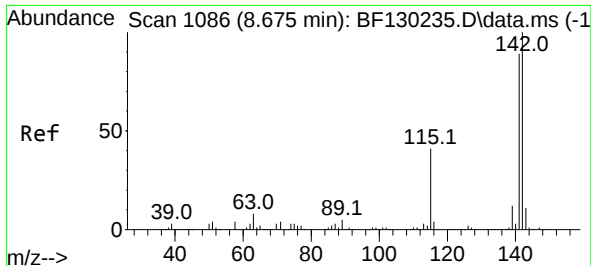
Reviewed By :Christian Giraldo 09/16/2022  
 Supervised By :Jagrut Upadhyay 09/16/2022



#36  
 4-Chloro-3-methylphenol  
 Concen: 46.304 ng  
 RT: 8.522 min Scan# 1094  
 Delta R.T. 0.006 min  
 Lab File: BF130265.D  
 Acq: 15 Sep 2022 11:37

Tgt Ion:107 Resp: 301540  
 Ion Ratio Lower Upper  
 107 100  
 144 24.3 20.0 30.0  
 142 74.6 61.3 91.9





#37

2-Methylnaphthalene

Concen: 43.295 ng

RT: 8.675 min Scan# 1110

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

Tgt Ion:142 Resp: 607788

Ion Ratio Lower Upper

142 100

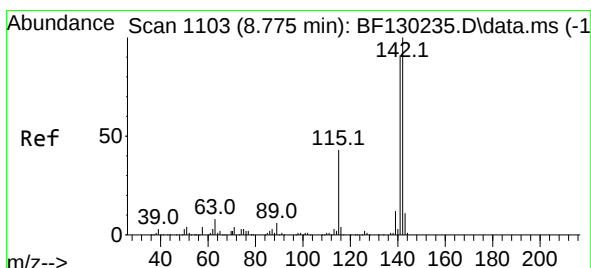
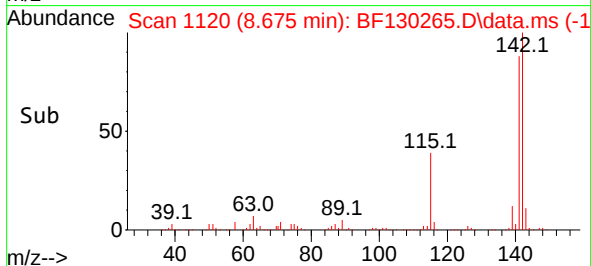
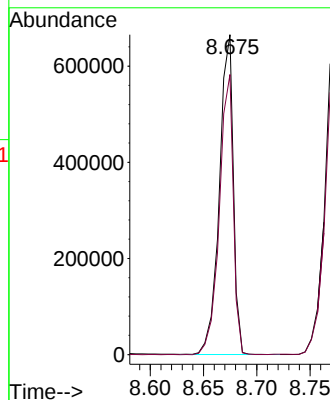
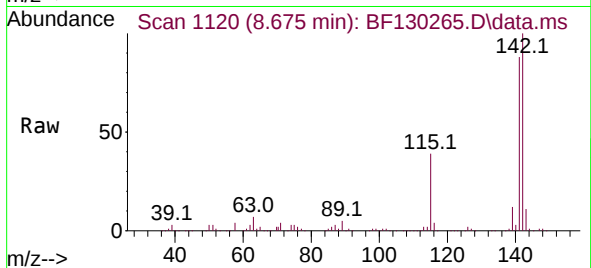
141 87.5 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#38

1-Methylnaphthalene

Concen: 42.446 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF130265.D

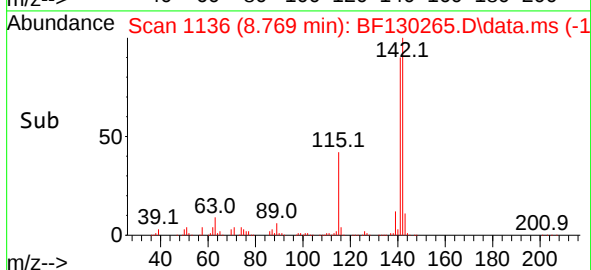
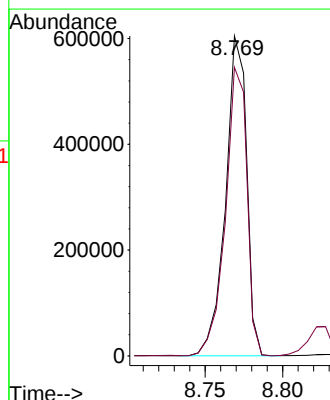
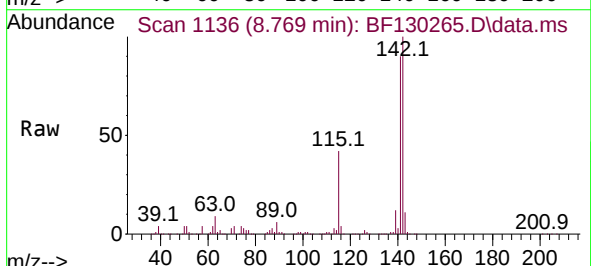
Acq: 15 Sep 2022 11:37

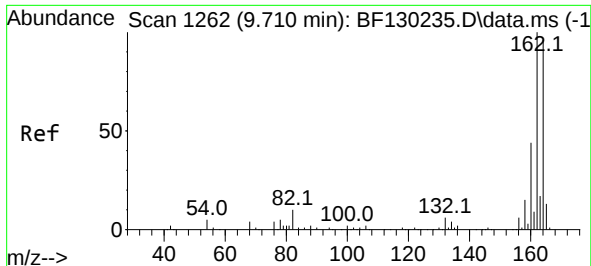
Tgt Ion:142 Resp: 572419

Ion Ratio Lower Upper

142 100

141 90.2 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.710 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130265.D

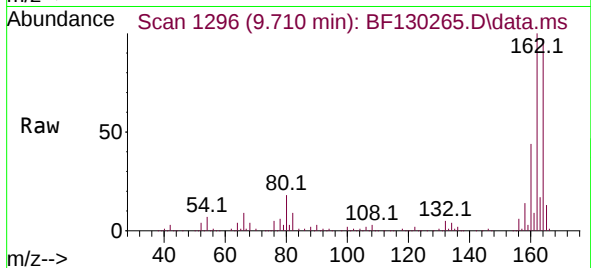
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

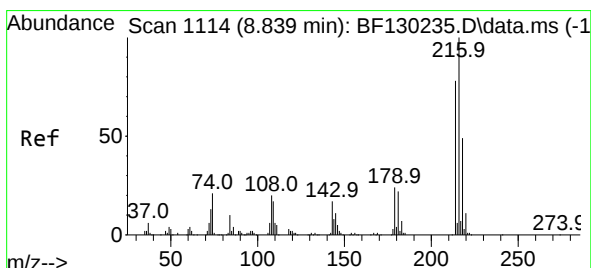
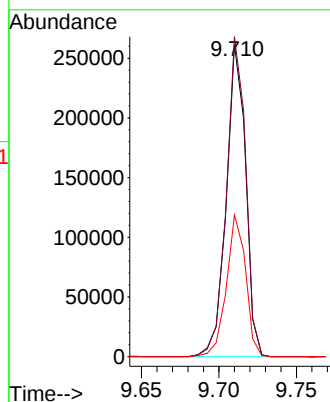
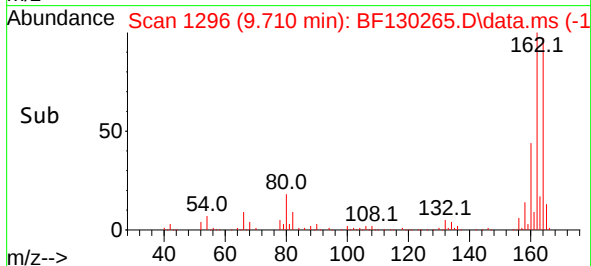


| Tgt Ion:  | 164   | Resp: | 226573 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 164       | 100   |       |        |
| 162       | 102.6 | 81.4  | 122.0  |
| 160       | 45.4  | 36.2  | 54.4   |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.986 ng

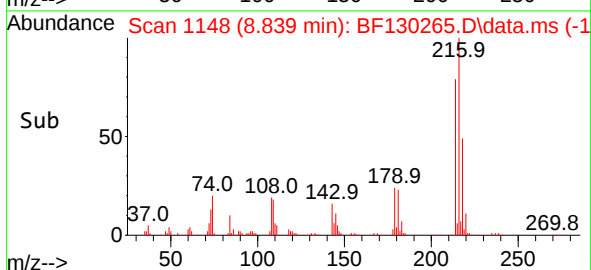
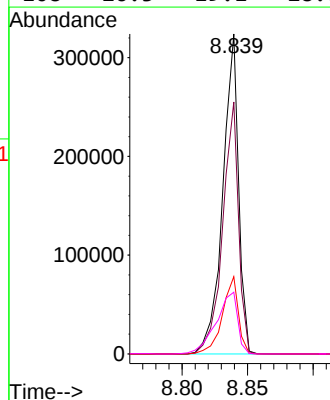
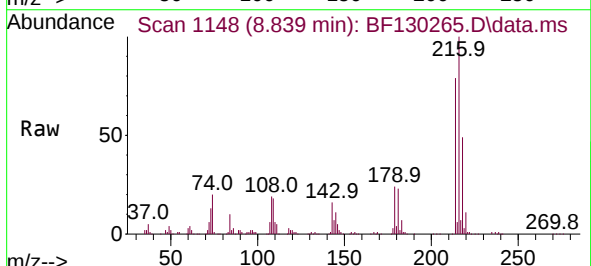
RT: 8.839 min Scan# 1148

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

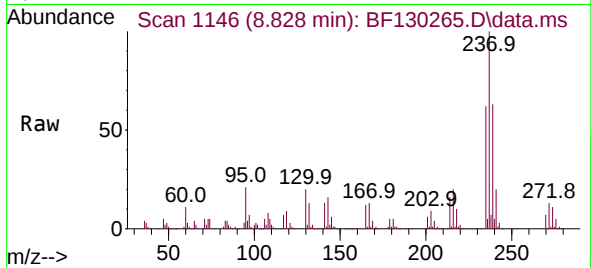
| Tgt Ion:  | 216  | Resp: | 271981 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 216       | 100  |       |        |
| 214       | 78.9 | 62.8  | 94.2   |
| 179       | 24.3 | 19.5  | 29.3   |
| 108       | 26.3 | 19.1  | 28.7   |





#41  
Hexachlorocyclopentadiene  
Concen: 119.220 ng  
RT: 8.828 min Scan# 1112  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

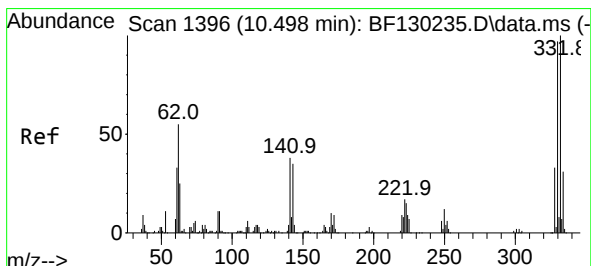
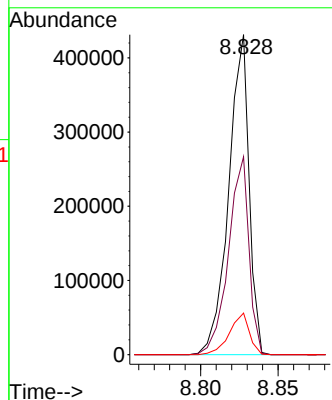
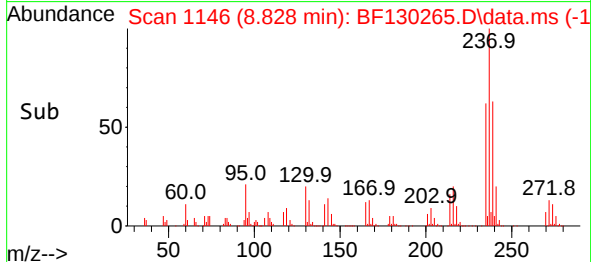
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



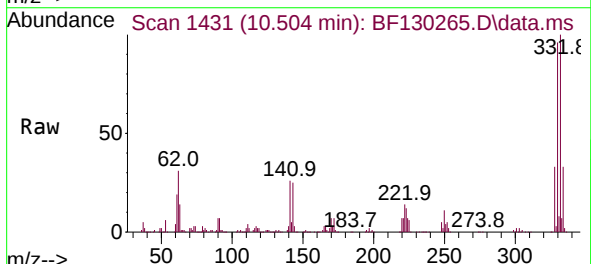
Tgt Ion:237 Resp: 394676  
Ion Ratio Lower Upper  
237 100  
235 61.8 42.5 82.5  
272 13.0 0.0 32.8

Manual Integrations  
APPROVED

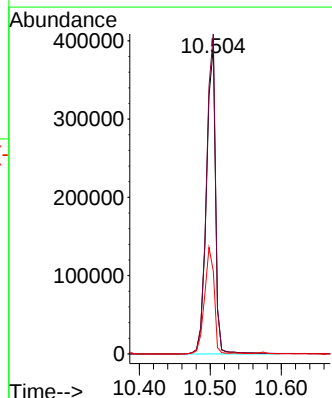
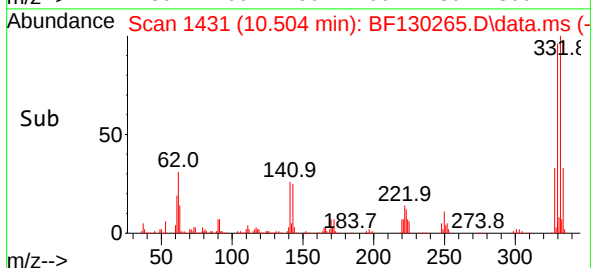
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

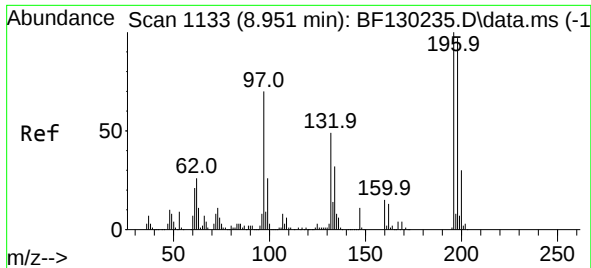


#42  
2,4,6-Tribromophenol  
Concen: 159.074 ng  
RT: 10.504 min Scan# 1431  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



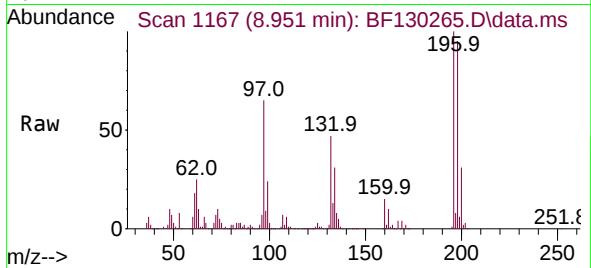
Tgt Ion:330 Resp: 345350  
Ion Ratio Lower Upper  
330 100  
332 103.8 83.4 125.2  
141 37.0 34.0 51.0





#43  
2,4,6-Trichlorophenol  
Concen: 43.812 ng  
RT: 8.951 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

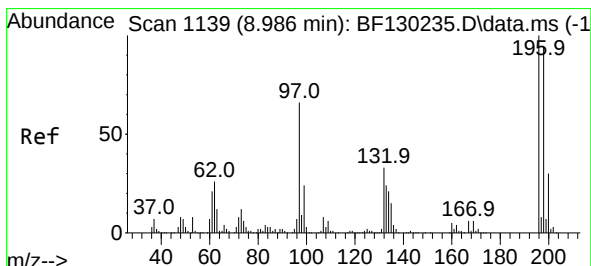
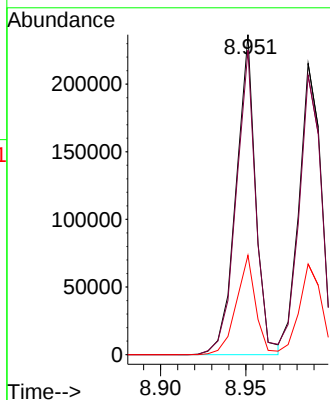
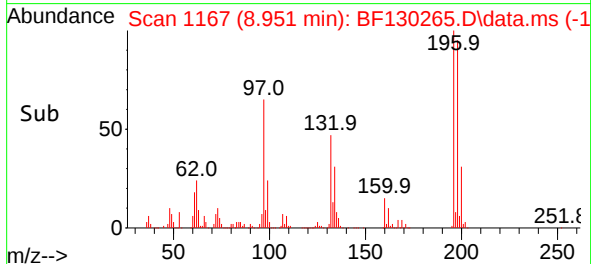
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



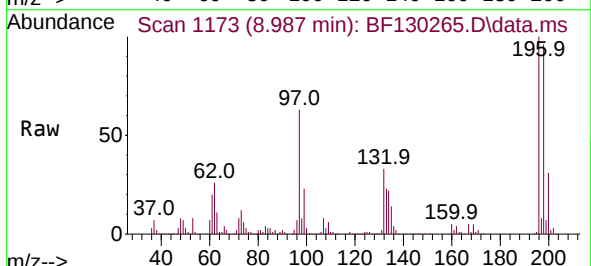
Tgt Ion:196 Resp: 189064  
Ion Ratio Lower Upper  
196 100  
198 95.1 72.4 108.6  
200 31.1 23.8 35.6

Manual Integrations  
APPROVED

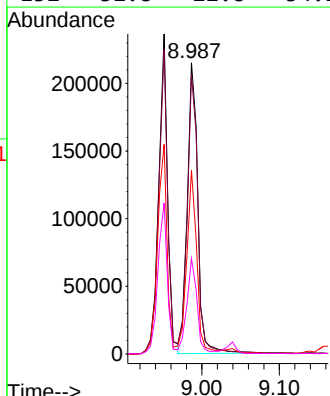
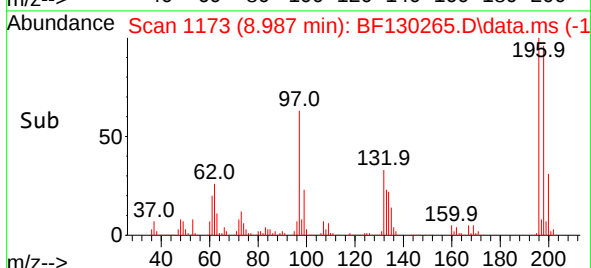
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

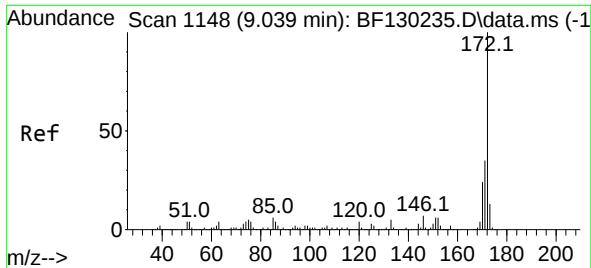


#44  
2,4,5-Trichlorophenol  
Concen: 43.605 ng  
RT: 8.987 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



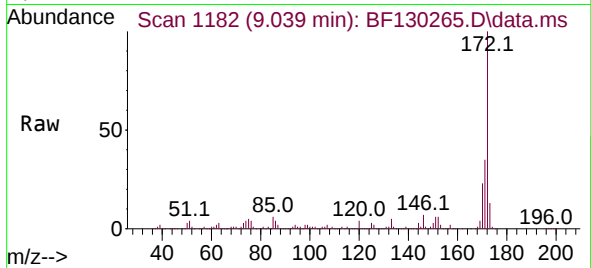
Tgt Ion:196 Resp: 203059  
Ion Ratio Lower Upper  
196 100  
198 95.9 74.8 112.2  
97 63.1 43.7 65.5  
132 32.8 22.8 34.2





#45  
2-Fluorobiphenyl  
Concen: 81.840 ng  
RT: 9.039 min Scan# 1148  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

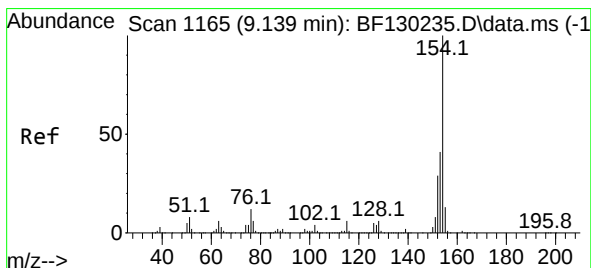
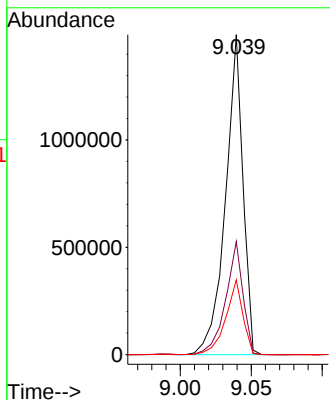
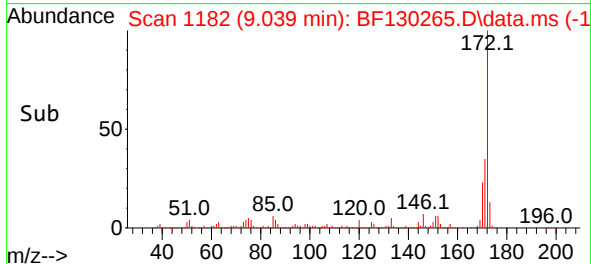
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



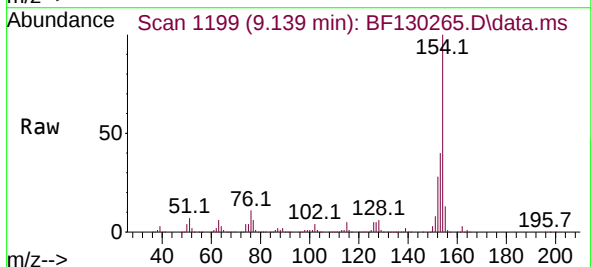
Tgt Ion:172 Resp: 1273375  
Ion Ratio Lower Upper  
172 100  
171 35.3 28.3 42.5  
170 23.4 18.7 28.1

Manual Integrations  
APPROVED

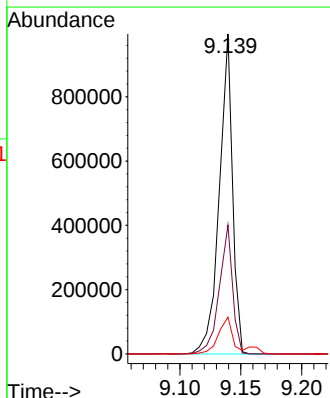
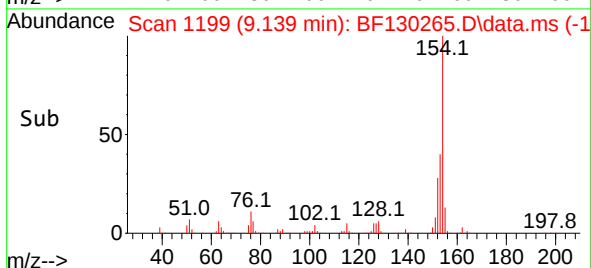
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

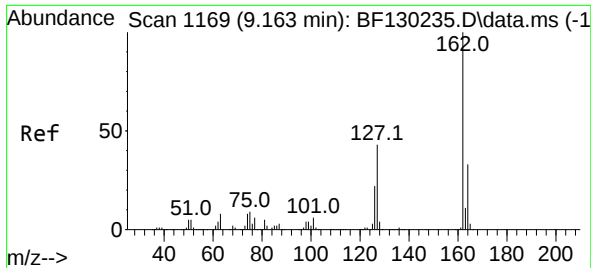


#46  
1,1'-Biphenyl  
Concen: 44.418 ng  
RT: 9.139 min Scan# 1199  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:154 Resp: 751611  
Ion Ratio Lower Upper  
154 100  
153 40.3 20.0 60.0  
76 11.5 0.0 33.3





#47  
2-Chloronaphthalene  
Concen: 42.612 ng  
RT: 9.163 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

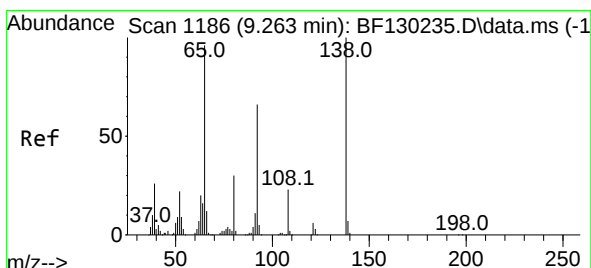
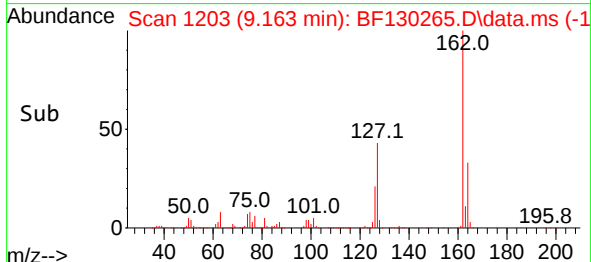
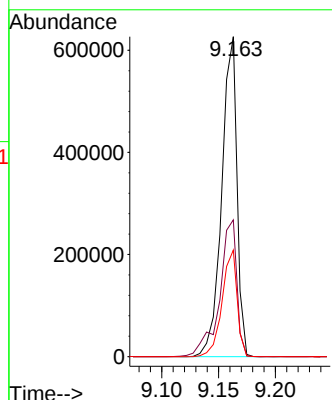
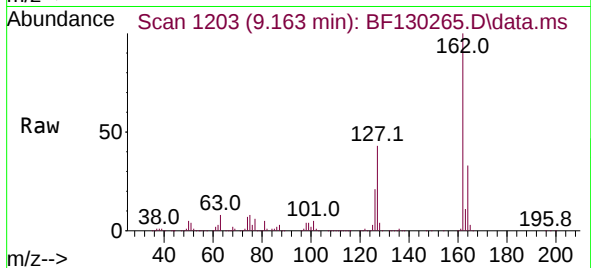
PB147583BS

Tgt Ion:162 Resp: 583295  
Ion Ratio Lower Upper  
162 100  
127 42.7 35.9 53.9  
164 33.3 26.2 39.2

Manual Integrations

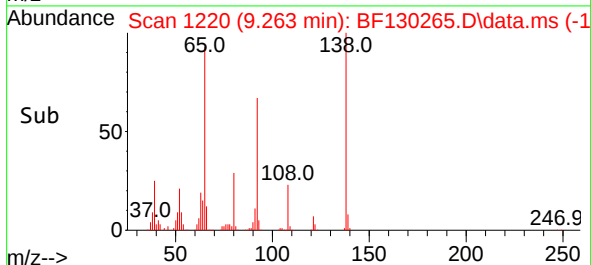
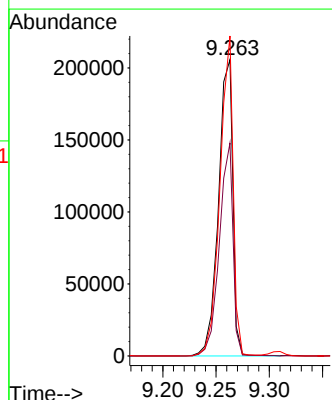
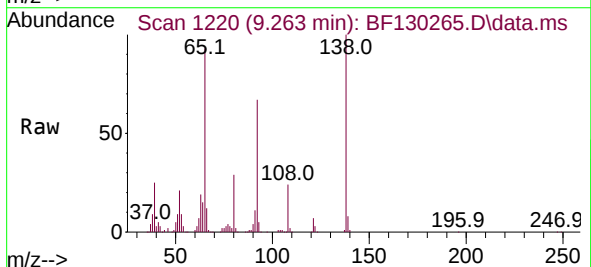
APPROVED

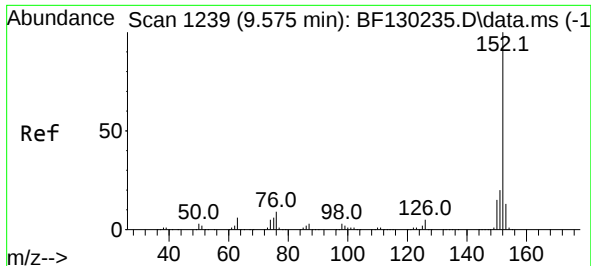
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#48  
2-Nitroaniline  
Concen: 42.264 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

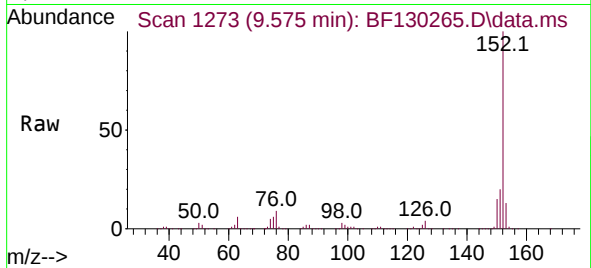
Tgt Ion: 65 Resp: 192956  
Ion Ratio Lower Upper  
65 100  
92 71.8 52.2 78.4  
138 108.0 77.0 115.4





#49  
Acenaphthylene  
Concen: 43.057 ng  
RT: 9.575 min Scan# 1239  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

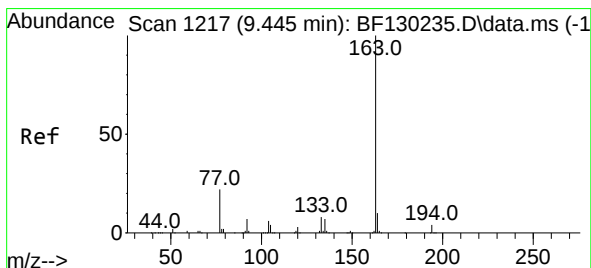
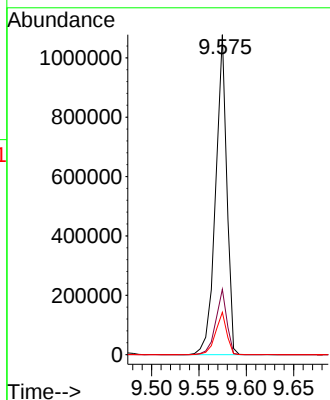
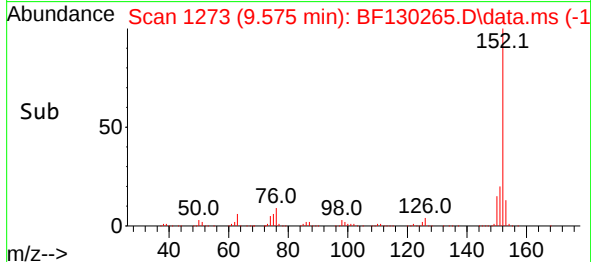
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



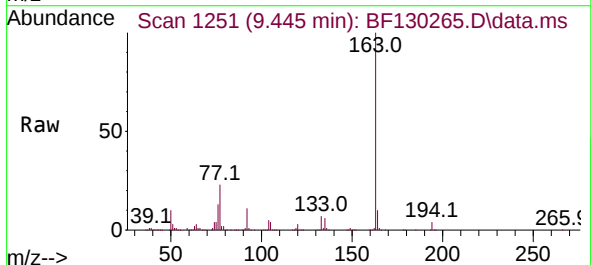
Tgt Ion:152 Resp: 883691  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.2 24.2  
153 13.2 10.6 15.8

Manual Integrations  
APPROVED

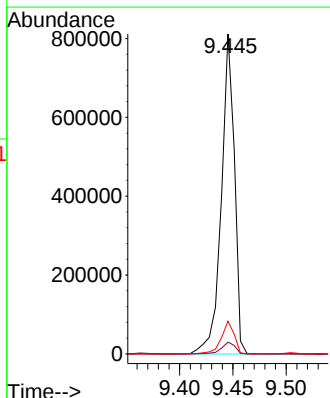
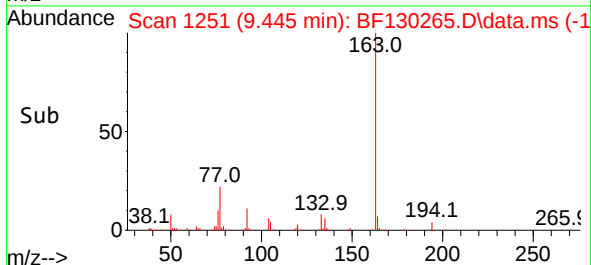
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

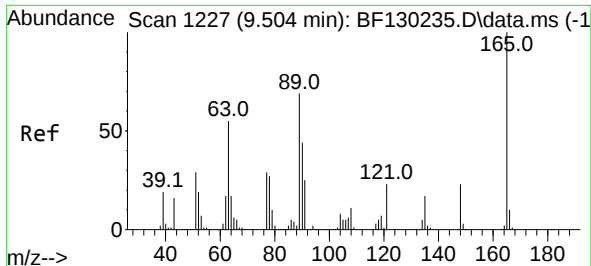


#50  
Dimethylphthalate  
Concen: 44.402 ng  
RT: 9.445 min Scan# 1251  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:163 Resp: 694922  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.8 4.2  
164 10.3 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.183 ng

RT: 9.504 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

Tgt Ion:165 Resp: 154436

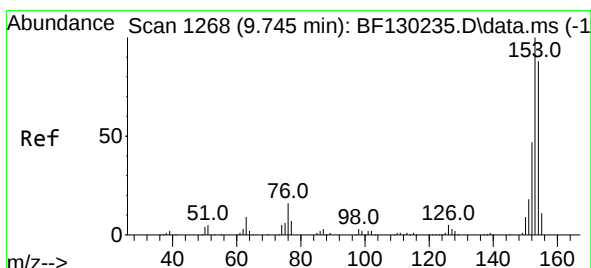
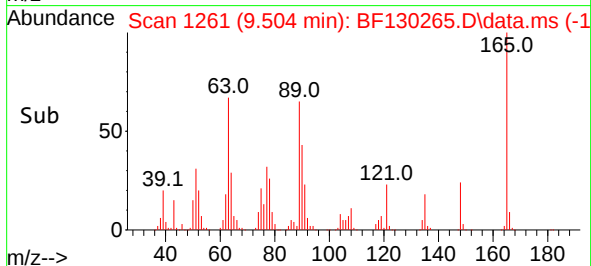
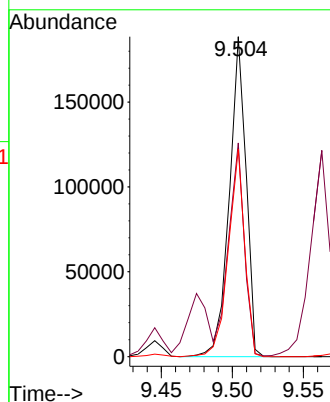
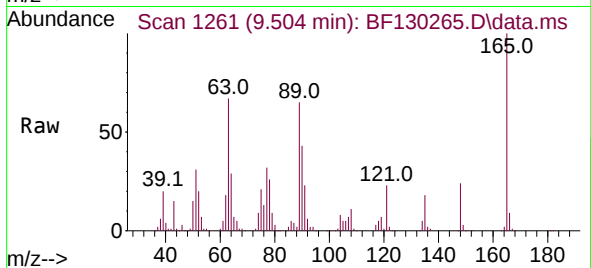
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 66.8  | 58.8  | 88.2  |
| 89  | 64.9  | 54.5  | 81.7  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#52

Acenaphthene

Concen: 48.997 ng m

RT: 9.745 min Scan# 1302

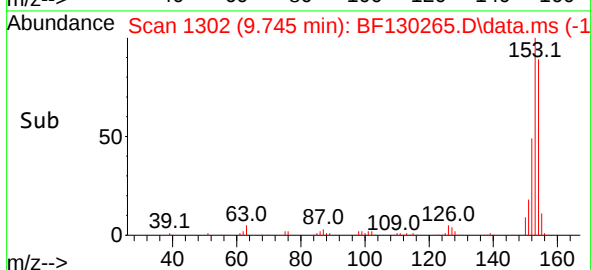
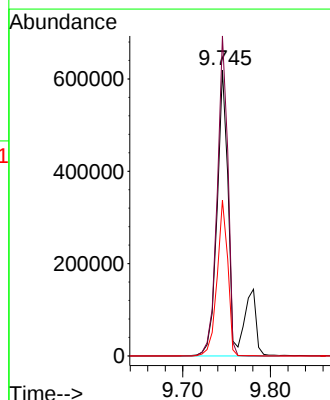
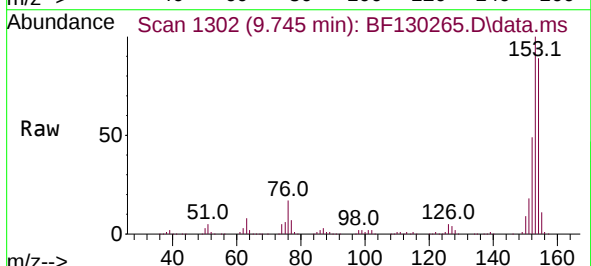
Delta R.T. 0.000 min

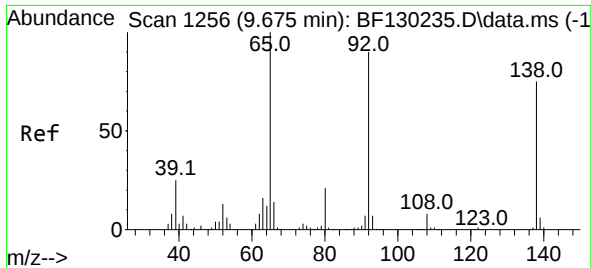
Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Tgt Ion:154 Resp: 660711

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 154 | 100   |       |       |
| 153 | 111.9 | 90.6  | 136.0 |
| 152 | 54.5  | 43.8  | 65.6  |





#53  
3-Nitroaniline  
Concen: 36.537 ng  
RT: 9.675 min Scan# 1256  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

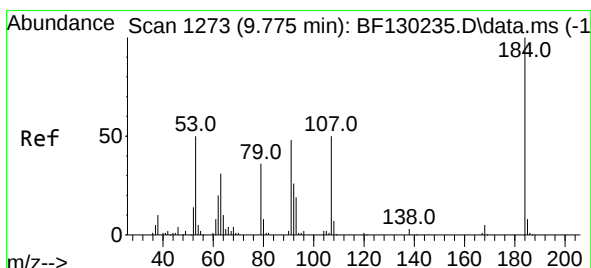
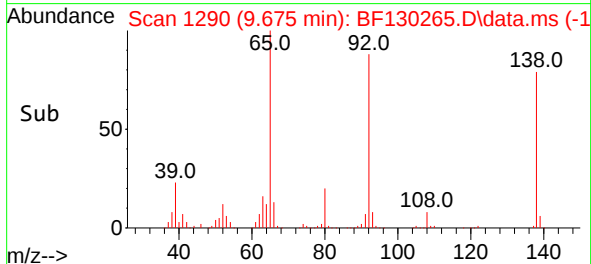
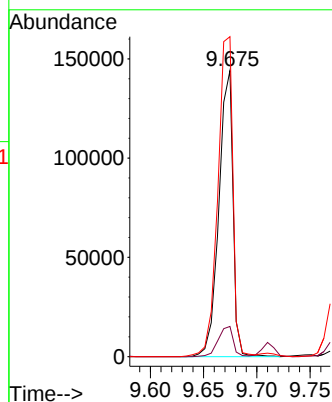
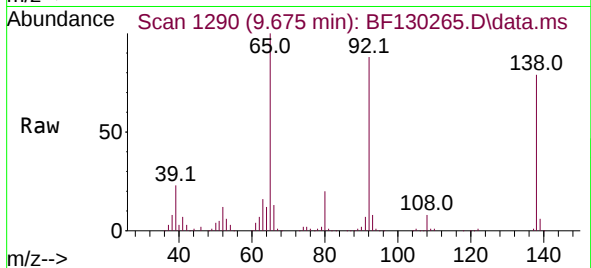
ClientSampleId :

PB147583BS

Tgt Ion:138 Resp: 133252  
Ion Ratio Lower Upper  
138 100  
108 10.6 9.2 13.8  
92 111.9 99.2 148.8

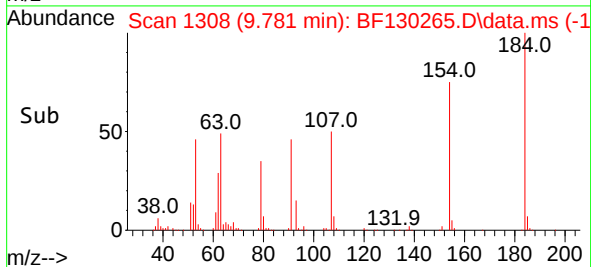
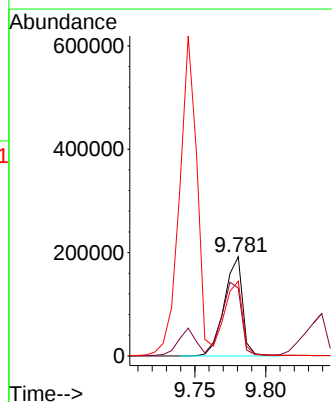
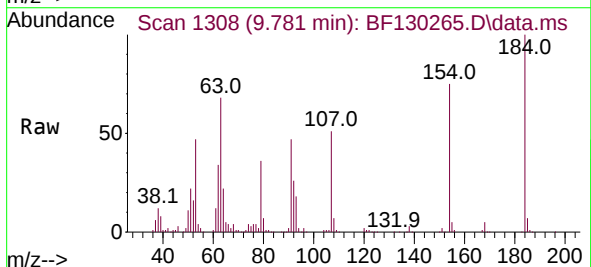
Manual Integrations  
APPROVED

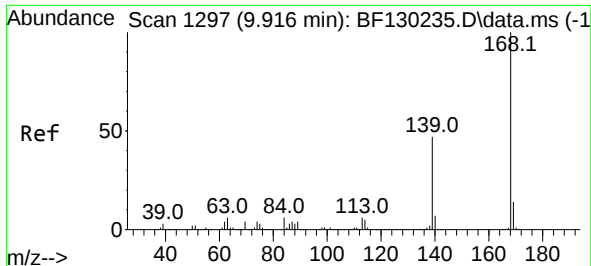
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#54  
2,4-Dinitrophenol  
Concen: 95.573 ng  
RT: 9.781 min Scan# 1308  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:184 Resp: 172041  
Ion Ratio Lower Upper  
184 100  
63 68.4 70.0 105.0#  
154 75.2 63.0 94.6





#55  
Dibenzofuran  
Concen: 42.941 ng  
RT: 9.916 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

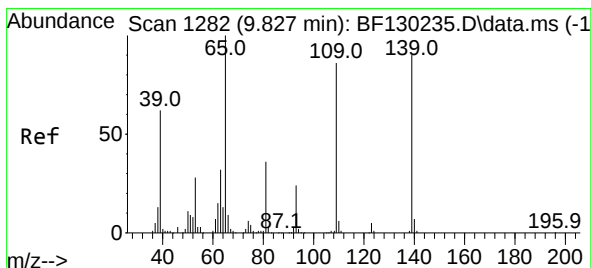
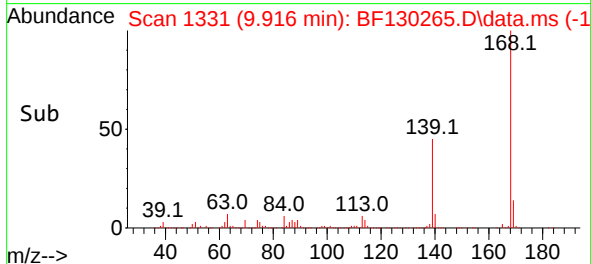
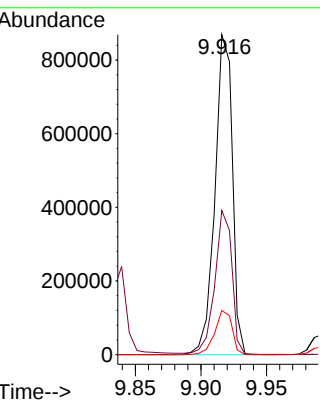
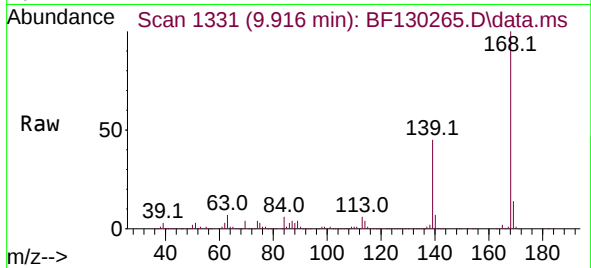
ClientSampleId :

PB147583BS

Tgt Ion:168 Resp: 805416  
Ion Ratio Lower Upper  
168 100  
139 45.1 35.0 52.4  
169 13.8 10.9 16.3

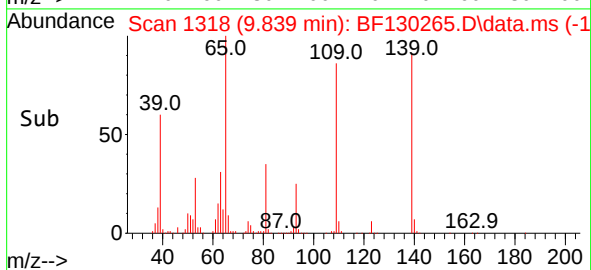
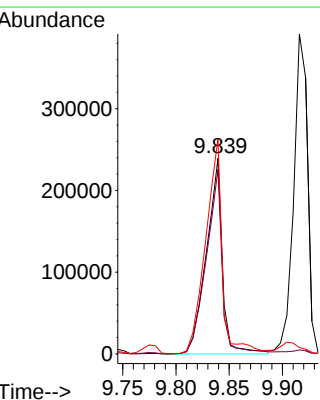
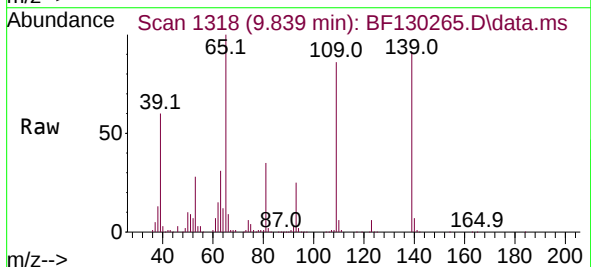
Manual Integrations  
APPROVED

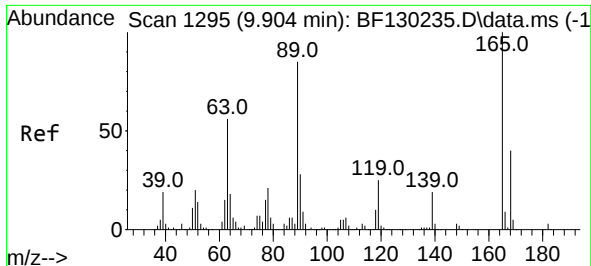
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#56  
4-Nitrophenol  
Concen: 94.840 ng  
RT: 9.839 min Scan# 1318  
Delta R.T. 0.012 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:139 Resp: 251939  
Ion Ratio Lower Upper  
139 100  
109 94.3 72.2 112.2  
65 109.9 97.7 137.7





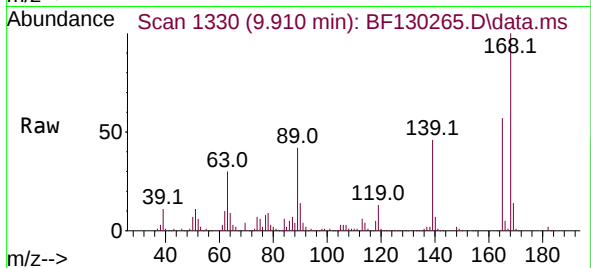
#57  
2,4-Dinitrotoluene  
Concen: 49.783 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

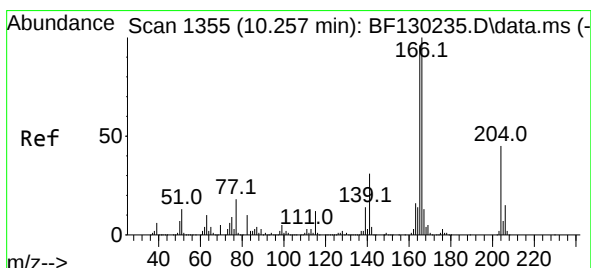
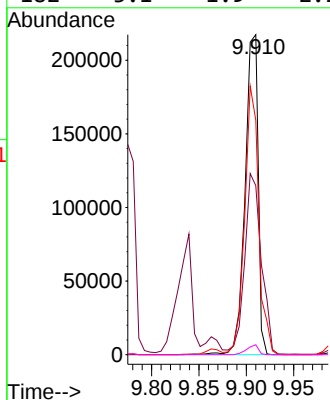
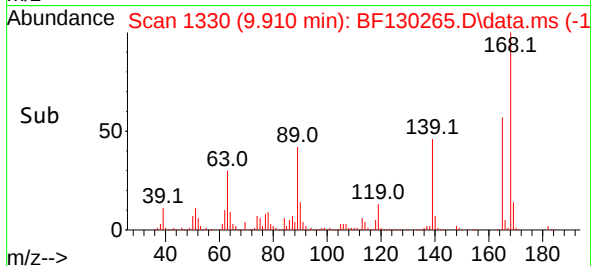


Tgt Ion:165 Resp: 208250  
Ion Ratio Lower Upper  
165 100  
63 52.8 44.7 67.1  
89 73.2 69.0 103.4  
182 3.1 1.9 2.9#

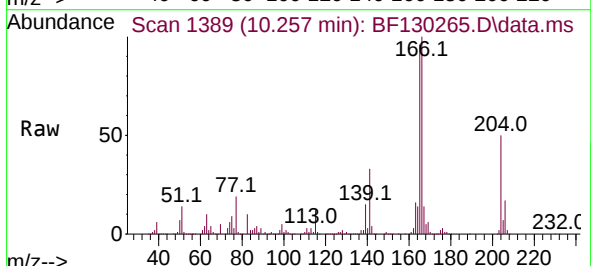
Manual Integrations

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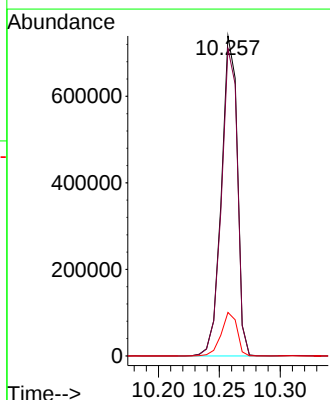
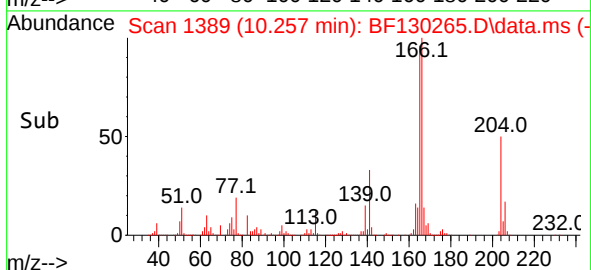
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

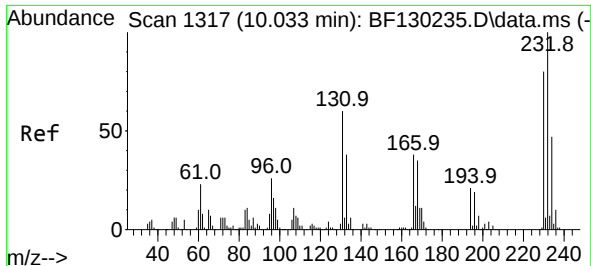


#58  
Fluorene  
Concen: 43.809 ng  
RT: 10.257 min Scan# 1389  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



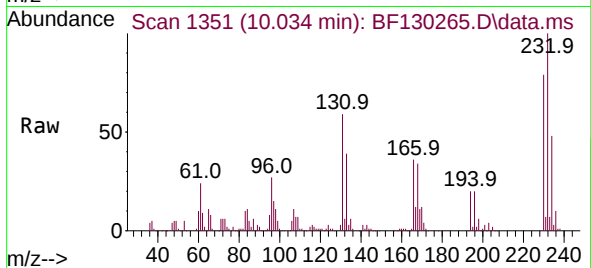
Tgt Ion:166 Resp: 671995  
Ion Ratio Lower Upper  
166 100  
165 96.1 78.8 118.2  
167 13.6 10.6 15.8





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.001 ng  
RT: 10.034 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

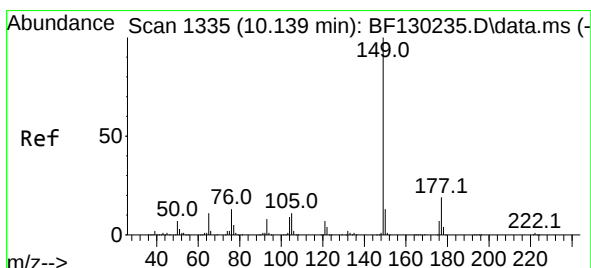
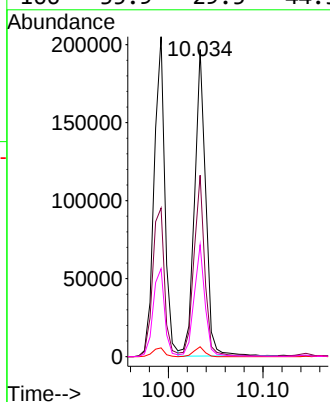
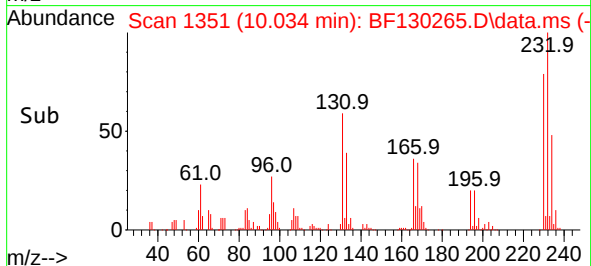
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



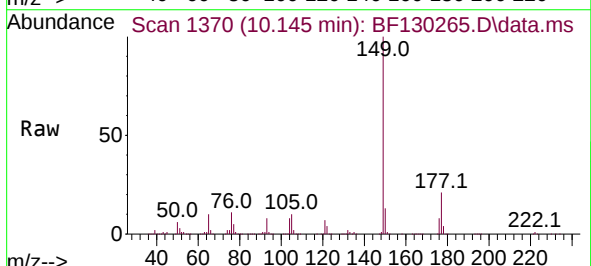
Tgt Ion:232 Resp: 160378  
Ion Ratio Lower Upper  
232 100  
131 57.6 46.4 69.6  
130 3.1 2.3 3.5  
166 35.9 29.5 44.3

Manual Integrations  
APPROVED

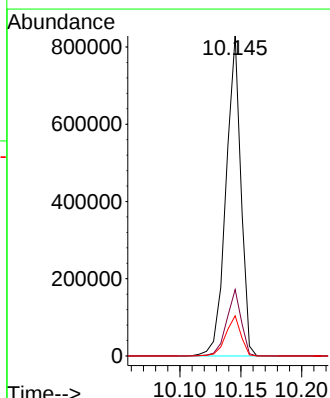
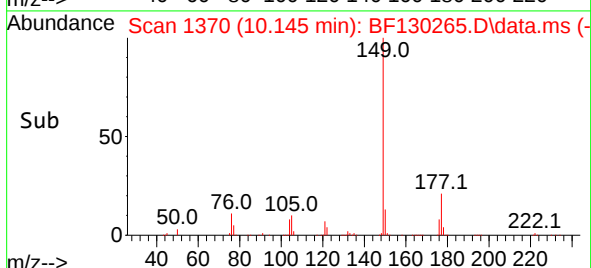
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

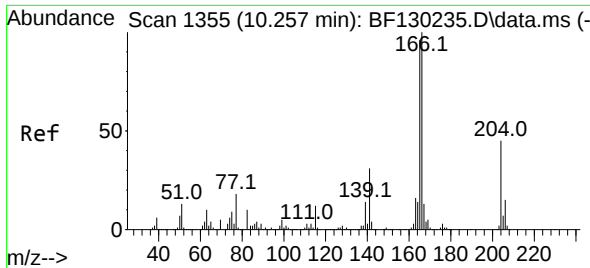


#60  
Diethylphthalate  
Concen: 44.941 ng  
RT: 10.145 min Scan# 1370  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:149 Resp: 705327  
Ion Ratio Lower Upper  
149 100  
177 20.7 16.1 24.1  
150 12.6 9.9 14.9





#61  
4-Chlorophenyl-phenylether  
Concen: 45.844 ng  
RT: 10.257 min Scan# 1355  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

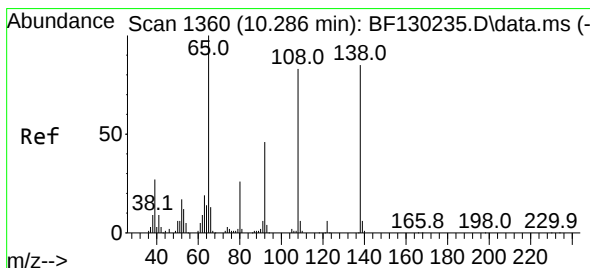
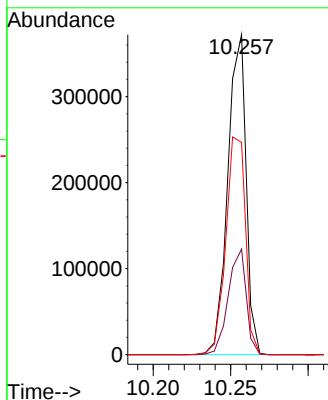
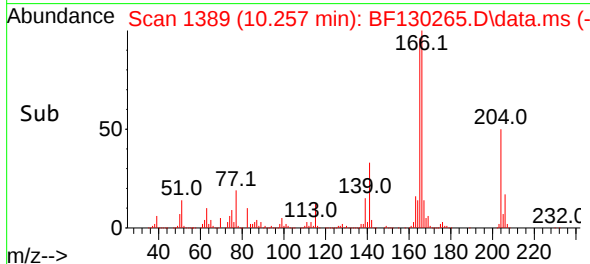
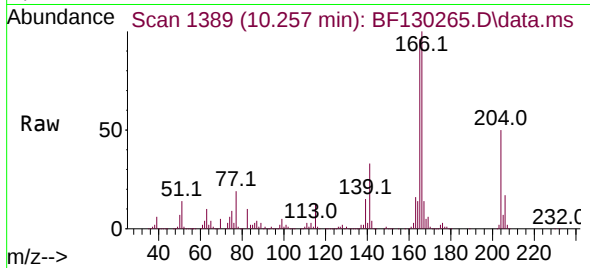
PB147583BS

Tgt Ion:204 Resp: 308485  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.6 39.8  
141 66.3 57.1 85.7

Manual Integrations

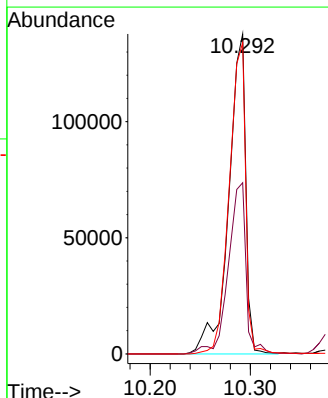
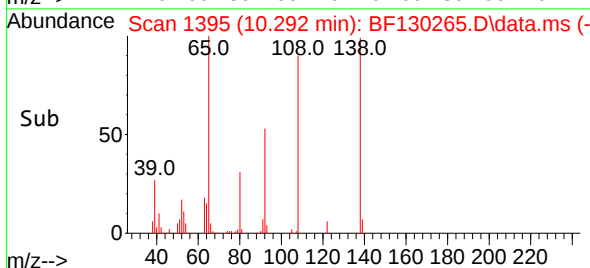
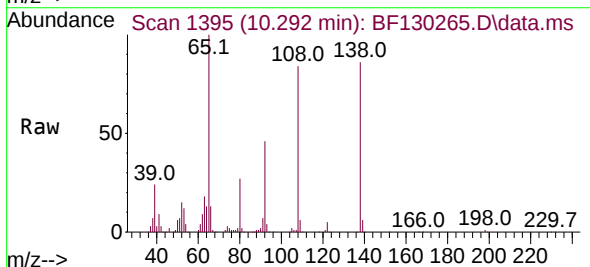
APPROVED

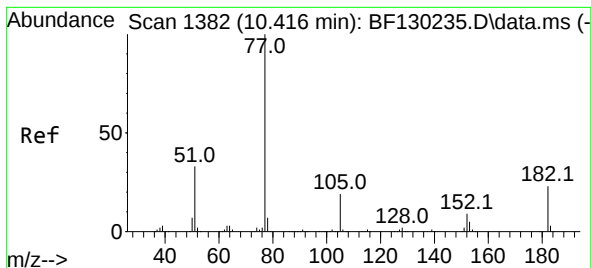
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#62  
4-Nitroaniline  
Concen: 44.221 ng  
RT: 10.292 min Scan# 1395  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

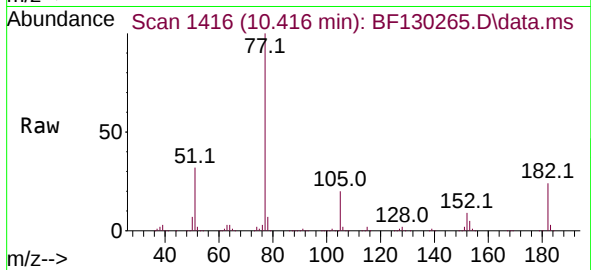
Tgt Ion:138 Resp: 162020  
Ion Ratio Lower Upper  
138 100  
92 53.5 36.7 76.7  
108 97.3 78.2 118.2





#63  
Azobenzene  
Concen: 41.989 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

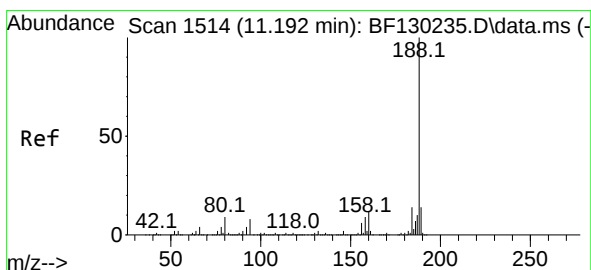
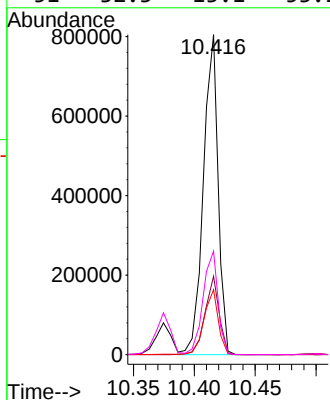
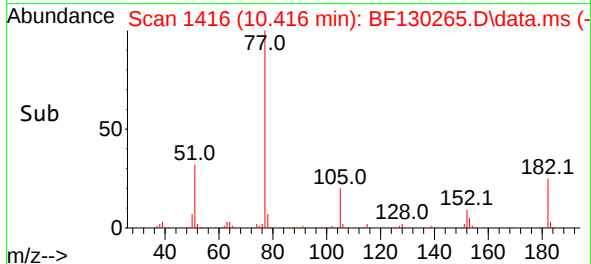
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



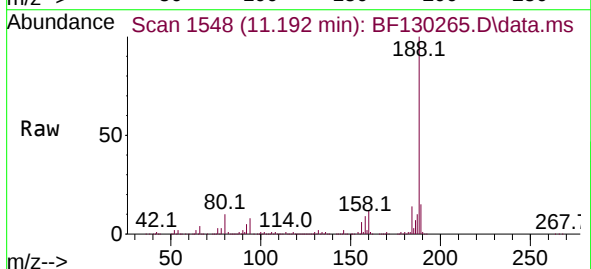
Tgt Ion: 77 Resp: 678576  
Ion Ratio Lower Upper  
77 100  
182 24.5 2.1 42.1  
105 20.3 0.0 39.4  
51 32.3 13.1 53.1

Manual Integrations  
APPROVED

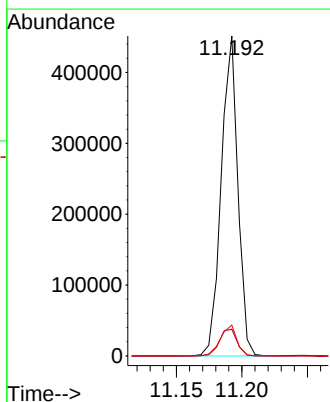
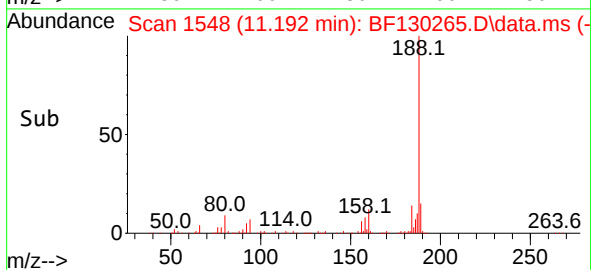
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

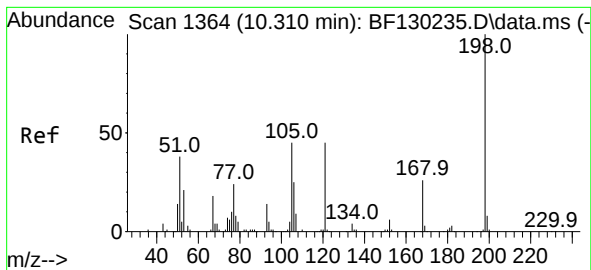


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.192 min Scan# 1548  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:188 Resp: 399473  
Ion Ratio Lower Upper  
188 100  
94 8.3 7.4 11.2  
80 9.6 7.9 11.9





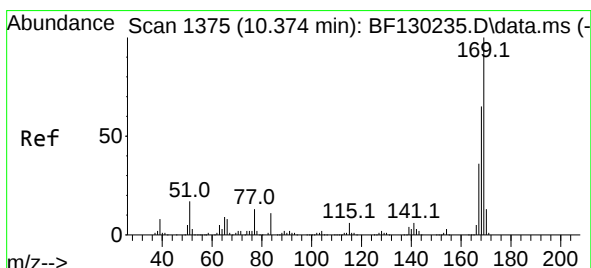
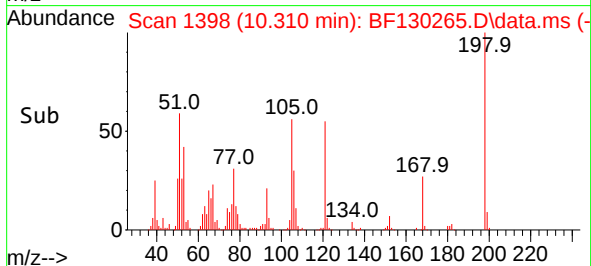
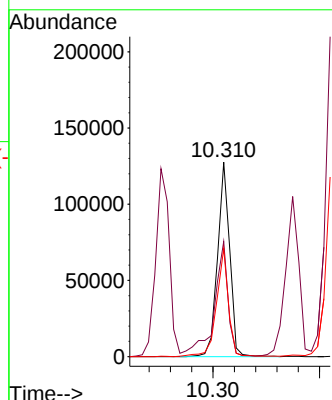
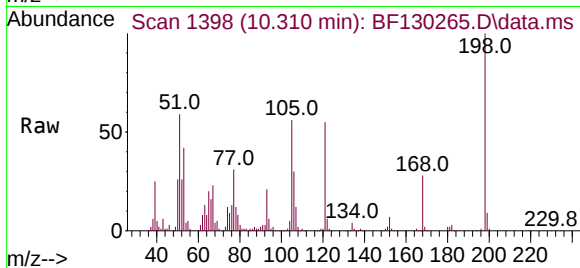
#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.375 ng  
RT: 10.310 min Scan# 1364  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS

Tgt Ion:198 Resp: 100902  
Ion Ratio Lower Upper  
198 100  
51 59.3 36.9 76.9  
105 55.6 33.0 73.0

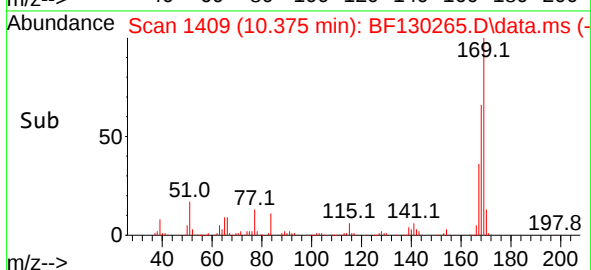
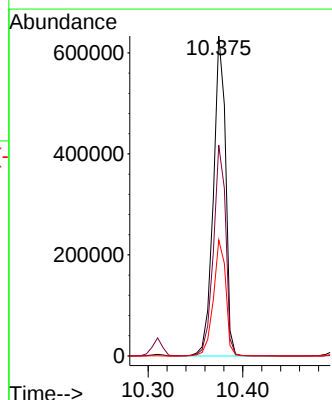
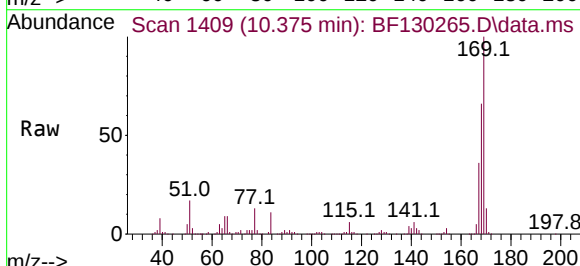
Manual Integrations  
APPROVED

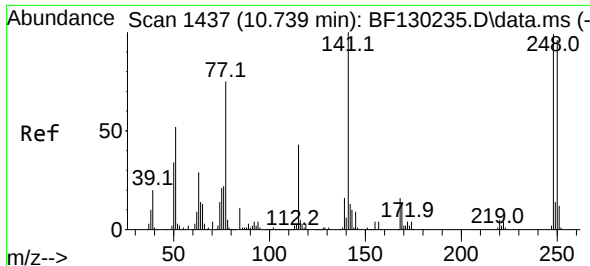
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#66  
n-Nitrosodiphenylamine  
Concen: 42.615 ng  
RT: 10.375 min Scan# 1409  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

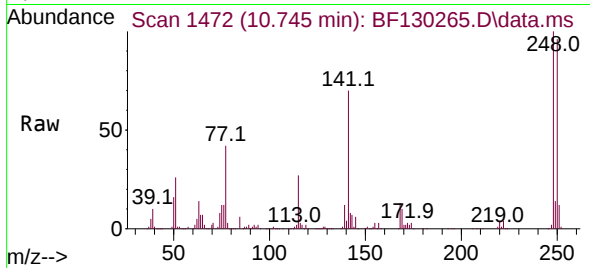
Tgt Ion:169 Resp: 568874  
Ion Ratio Lower Upper  
169 100  
168 65.8 53.2 79.8  
167 36.2 29.2 43.8





#67  
4-Bromophenyl-phenylether  
Concen: 45.470 ng  
RT: 10.745 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

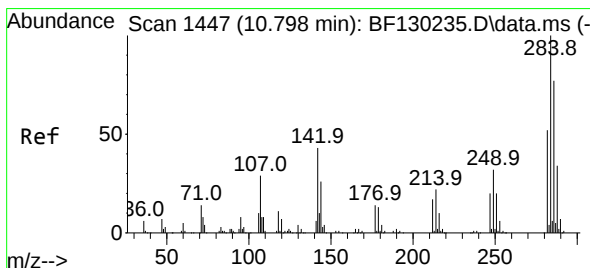
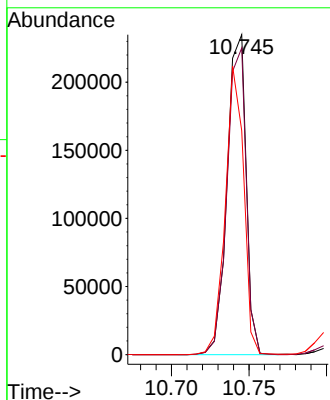
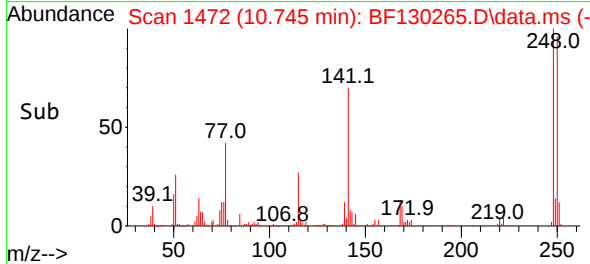
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



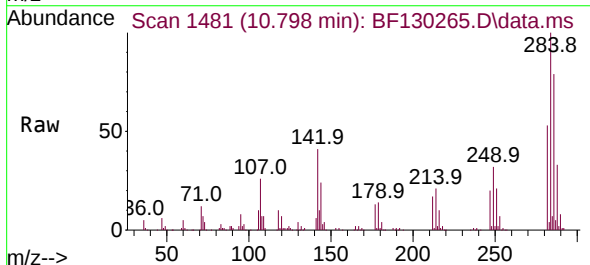
Tgt Ion:248 Resp: 200378  
Ion Ratio Lower Upper  
248 100  
250 95.8 80.0 120.0  
141 70.0 68.5 102.7

Manual Integrations  
APPROVED

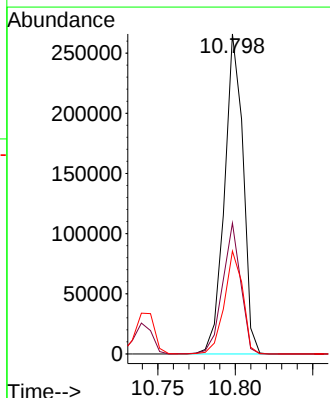
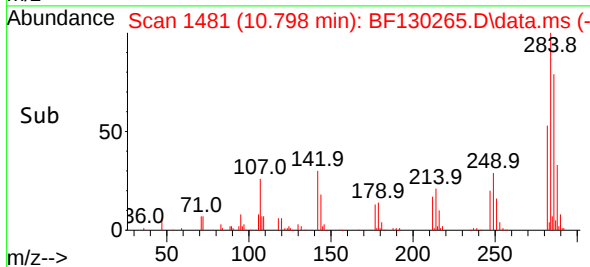
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

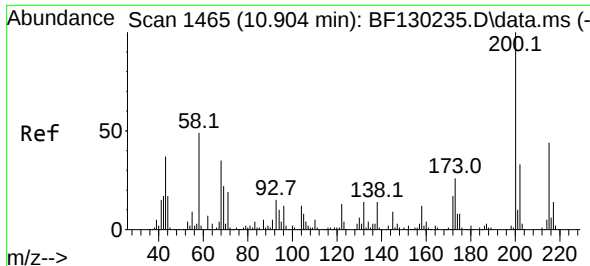


#68  
Hexachlorobenzene  
Concen: 44.339 ng  
RT: 10.798 min Scan# 1481  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



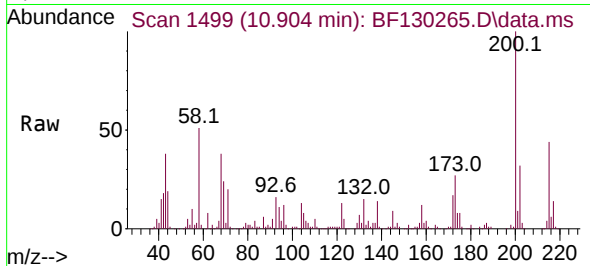
Tgt Ion:284 Resp: 221493  
Ion Ratio Lower Upper  
284 100  
142 40.9 27.2 40.8#  
249 32.1 23.8 35.8





#69  
Atrazine  
Concen: 50.194 ng  
RT: 10.904 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

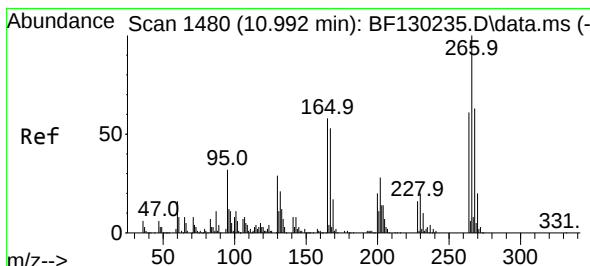
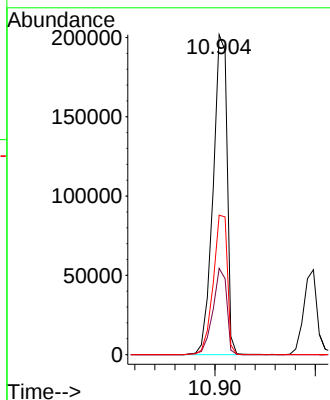
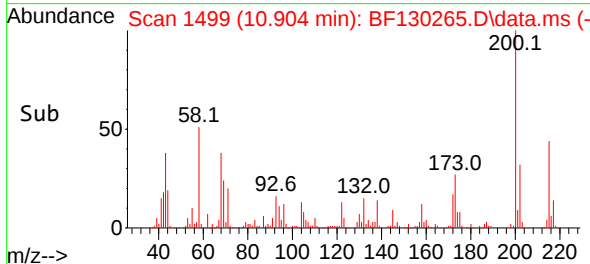
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



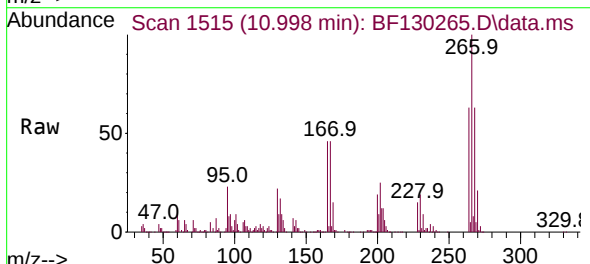
Tgt Ion:200 Resp: 195815  
Ion Ratio Lower Upper  
200 100  
173 26.9 6.2 46.2  
215 43.6 22.5 62.5

Manual Integrations  
APPROVED

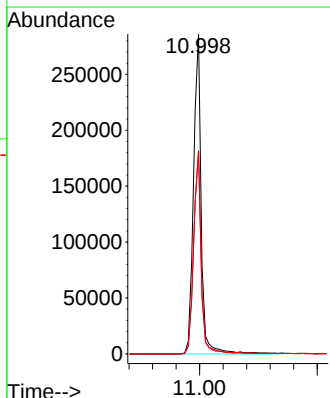
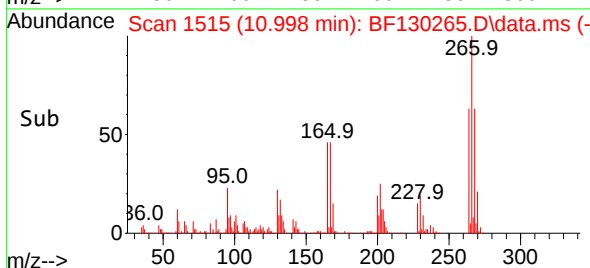
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

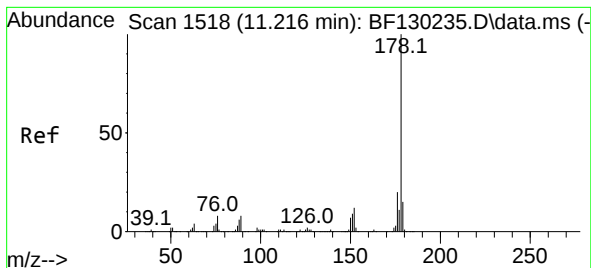


#70  
Pentachlorophenol  
Concen: 97.113 ng  
RT: 10.998 min Scan# 1515  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:266 Resp: 260360  
Ion Ratio Lower Upper  
266 100  
268 63.5 50.5 75.7  
264 63.1 50.5 75.7





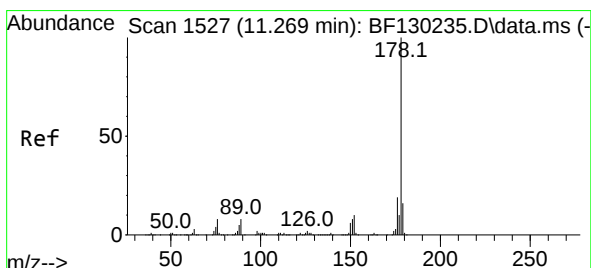
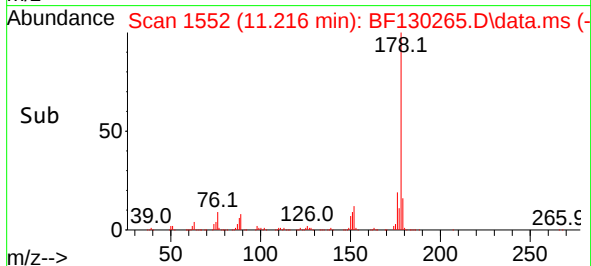
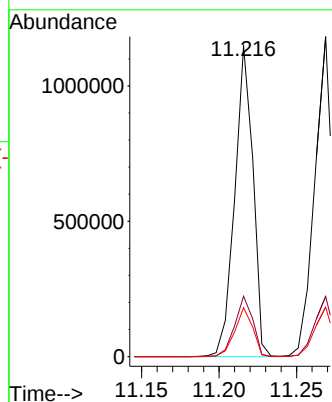
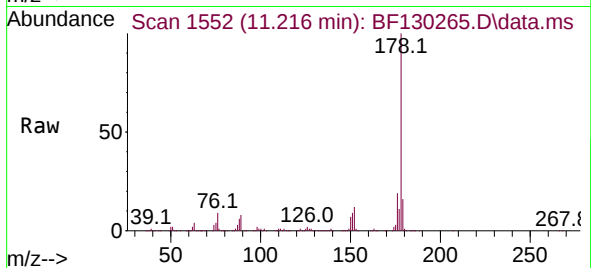
#71  
Phenanthrene  
Concen: 41.830 ng  
RT: 11.216 min Scan# 1518  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS

Tgt Ion:178 Resp: 938174  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 15.7 12.4 18.6

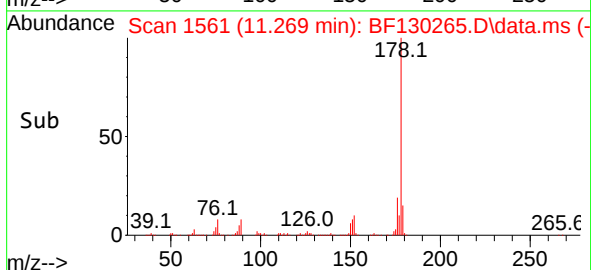
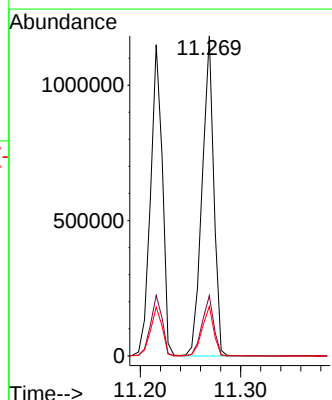
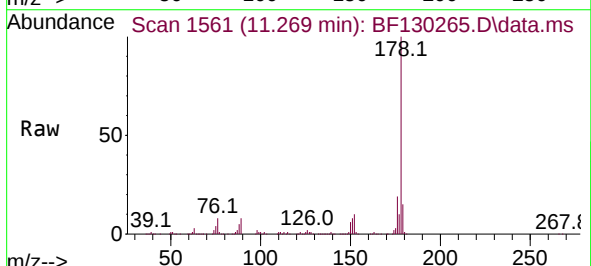
Manual Integrations  
APPROVED

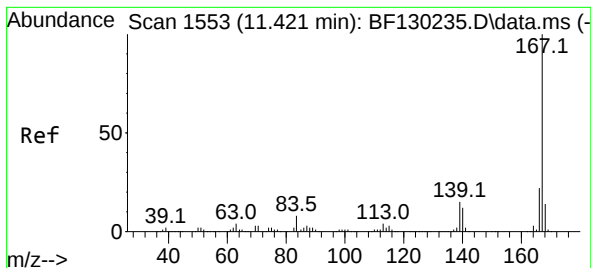
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#72  
Anthracene  
Concen: 43.996 ng  
RT: 11.269 min Scan# 1561  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:178 Resp: 952228  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.6  
179 15.5 12.7 19.1





#73

Carbazole

Concen: 44.469 ng

RT: 11.428 min Scan# 1553

Delta R.T. 0.006 min

Lab File: BF130265.D

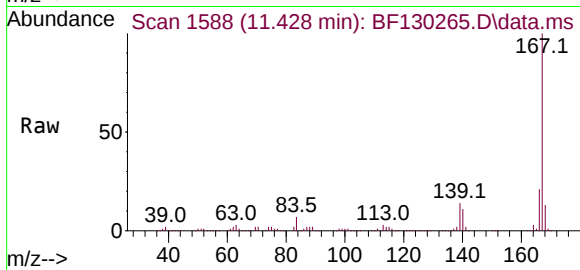
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS



Tgt Ion:167 Resp: 868610

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.2

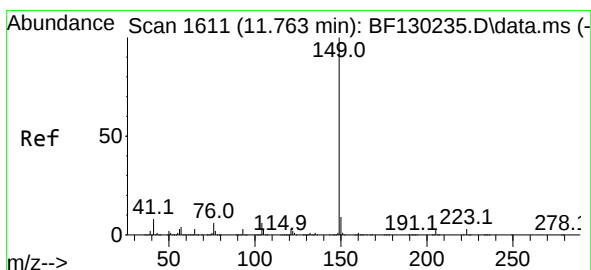
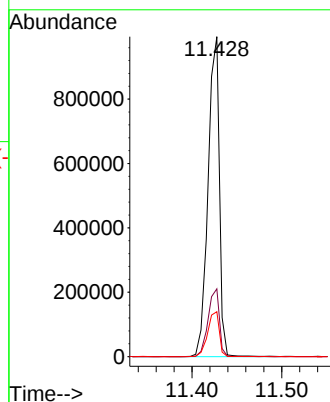
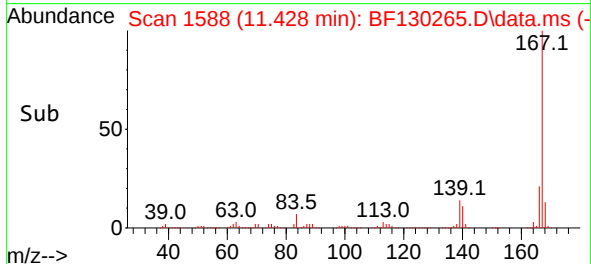
139 14.0 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#74

Di-n-butylphthalate

Concen: 45.118 ng

RT: 11.763 min Scan# 1645

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

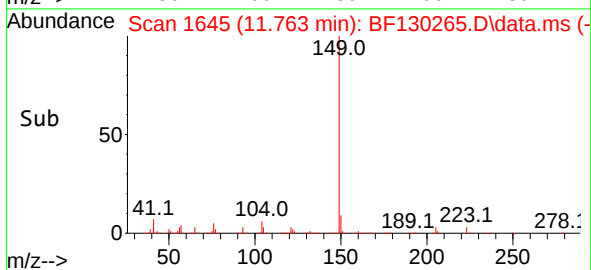
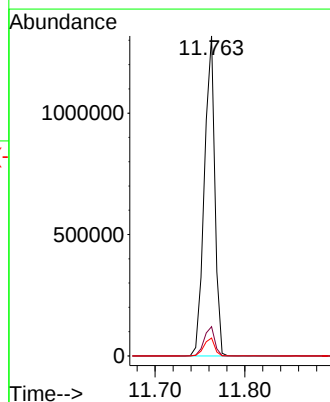
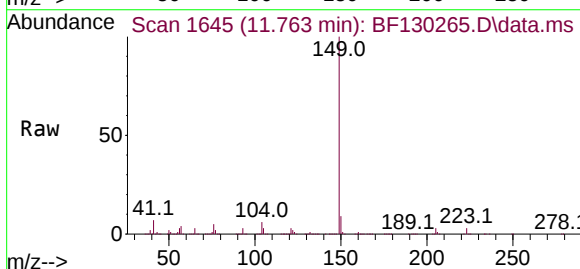
Tgt Ion:149 Resp: 1062748

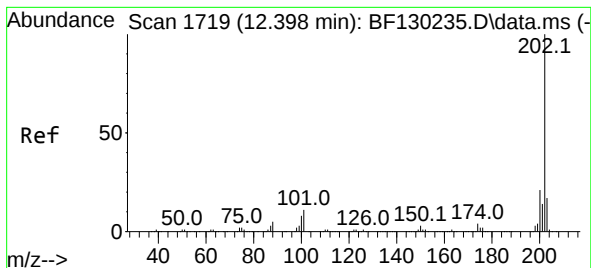
Ion Ratio Lower Upper

149 100

150 9.1 7.4 11.2

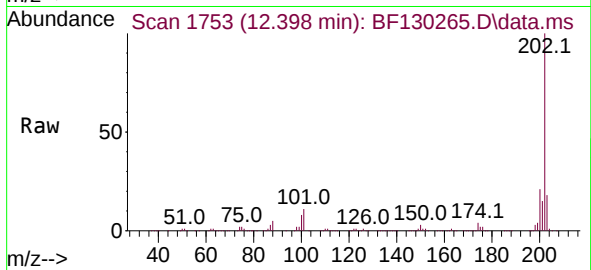
104 5.6 4.8 7.2





#75  
Fluoranthene  
Concen: 43.046 ng  
RT: 12.398 min Scan# 1719  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

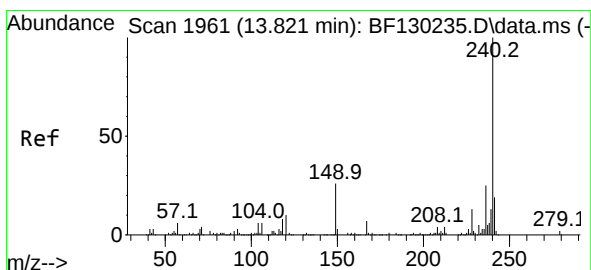
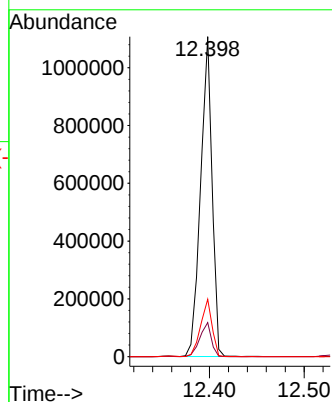
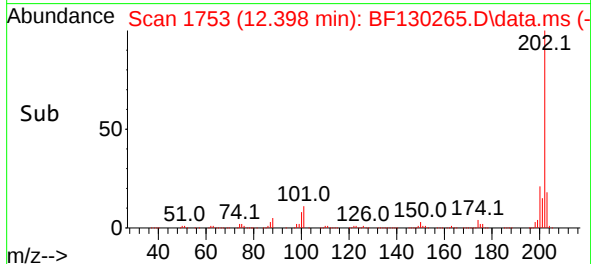
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



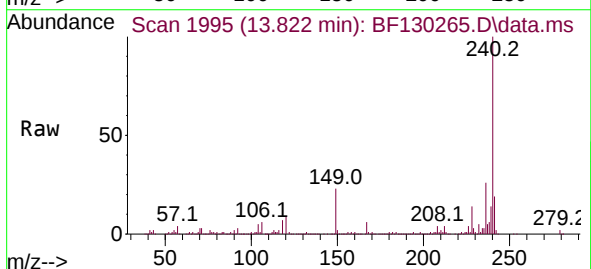
Tgt Ion:202 Resp: 932910  
Ion Ratio Lower Upper  
202 100  
101 10.6 0.0 31.8  
203 17.9 0.0 37.8

Manual Integrations  
APPROVED

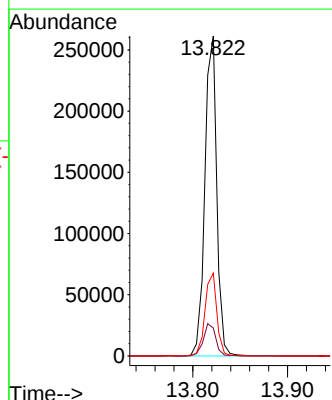
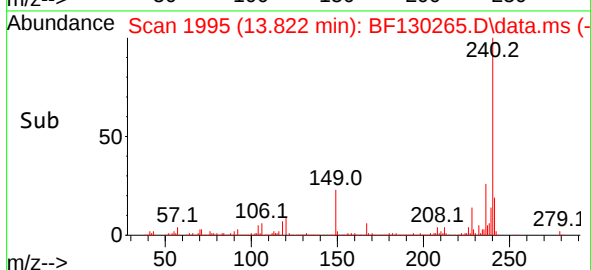
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

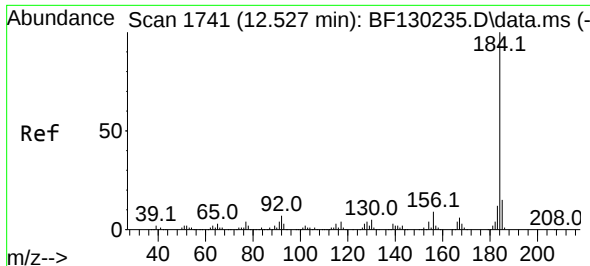


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.822 min Scan# 1995  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



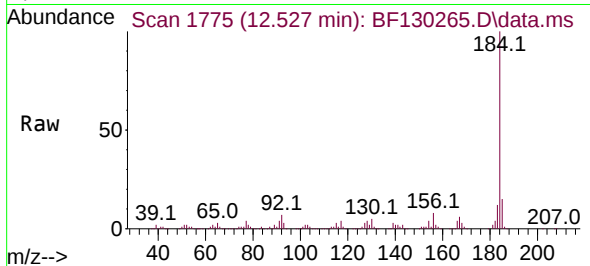
Tgt Ion:240 Resp: 228070  
Ion Ratio Lower Upper  
240 100  
120 8.7 8.7 13.1#  
236 25.9 20.9 31.3





#77  
Benzidine  
Concen: 71.370 ng  
RT: 12.527 min Scan# 1741  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

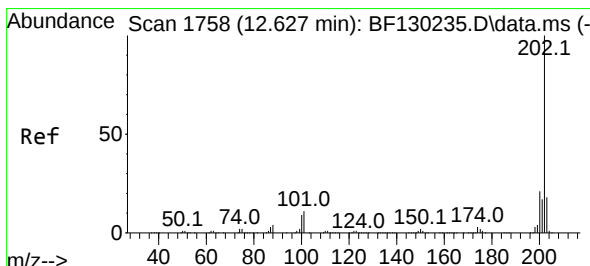
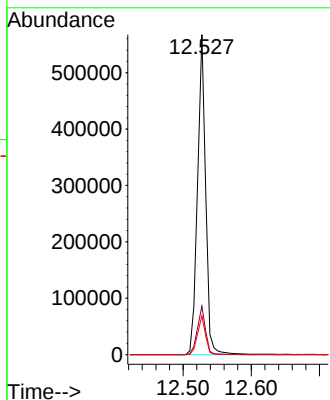
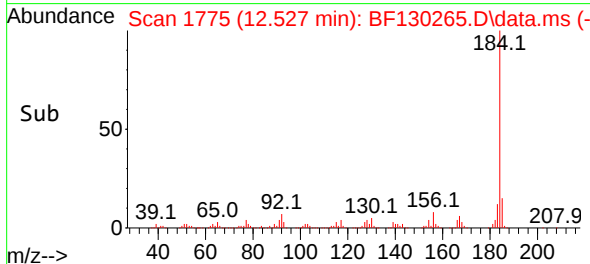
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



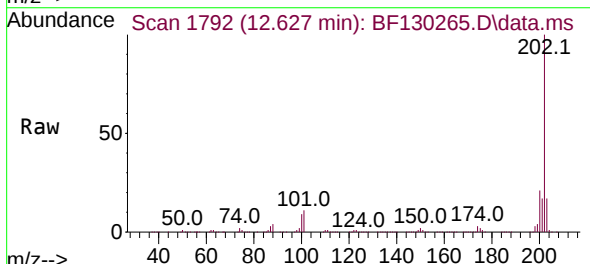
Tgt Ion:184 Resp: 472520  
Ion Ratio Lower Upper  
184 100  
185 15.1 11.8 17.6  
183 12.1 9.1 13.7

Manual Integrations  
APPROVED

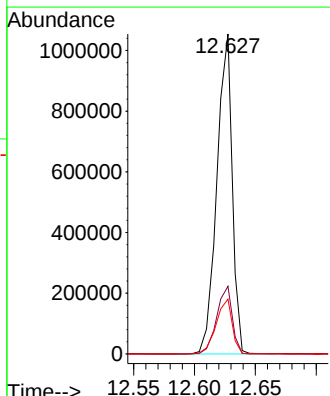
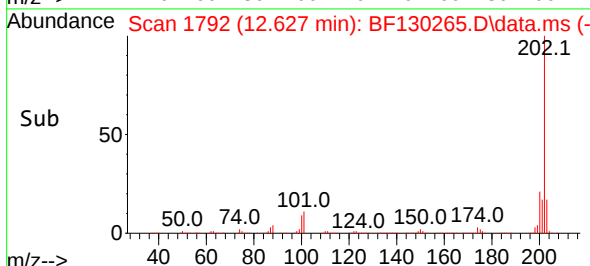
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

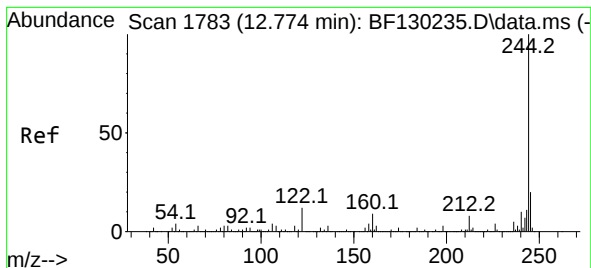


#78  
Pyrene  
Concen: 46.445 ng  
RT: 12.627 min Scan# 1792  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:202 Resp: 926653  
Ion Ratio Lower Upper  
202 100  
200 21.1 17.2 25.8  
203 17.1 14.3 21.5





#79

Terphenyl-d14

Concen: 99.556 ng

RT: 12.775 min Scan# 1817

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

Tgt Ion:244 Resp: 1370716

Ion Ratio Lower Upper

244 100

212 7.6 5.9 8.9

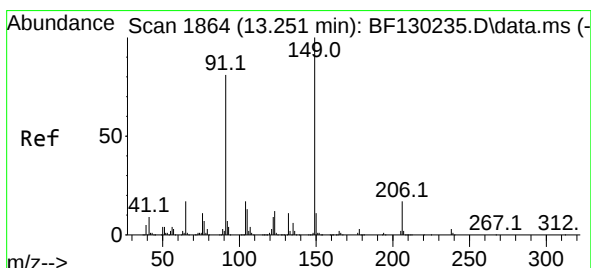
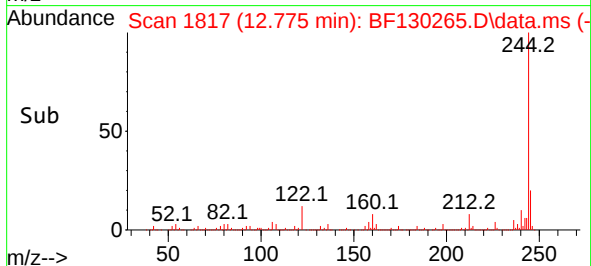
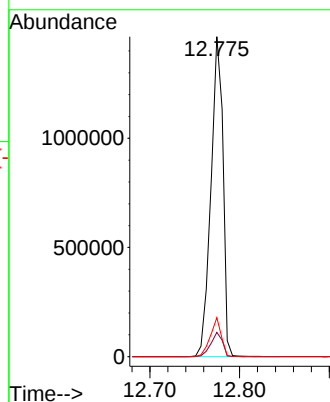
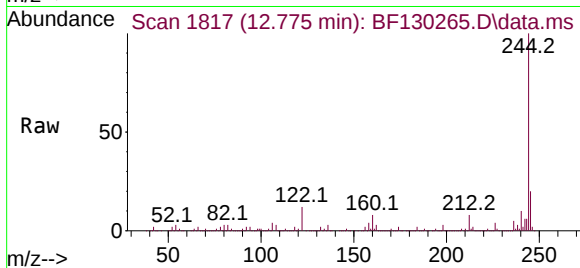
122 12.2 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#80

Butylbenzylphthalate

Concen: 48.048 ng

RT: 13.251 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

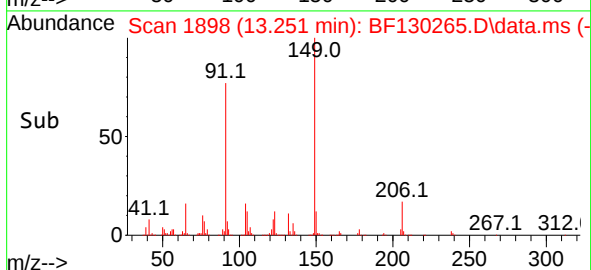
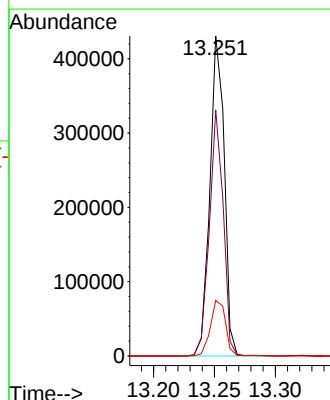
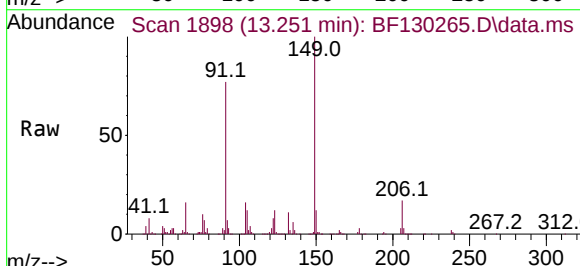
Tgt Ion:149 Resp: 355139

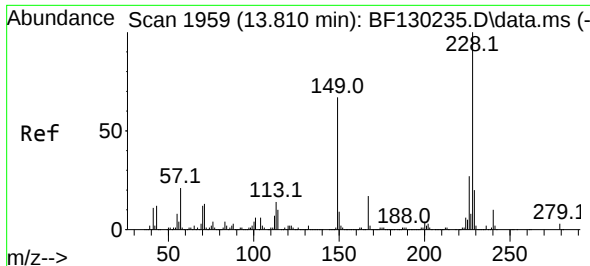
Ion Ratio Lower Upper

149 100

91 76.9 59.8 89.8

206 17.3 13.9 20.9





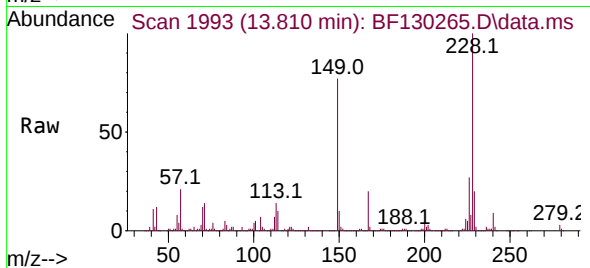
#81  
Benzo(a)anthracene  
Concen: 43.964 ng  
RT: 13.810 min Scan# 1959  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

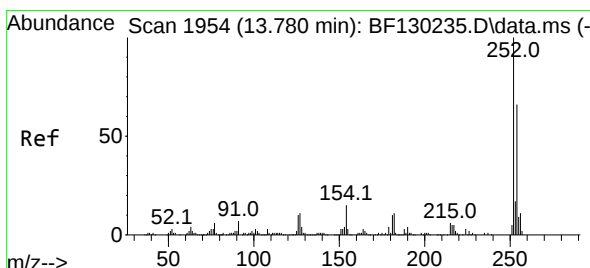
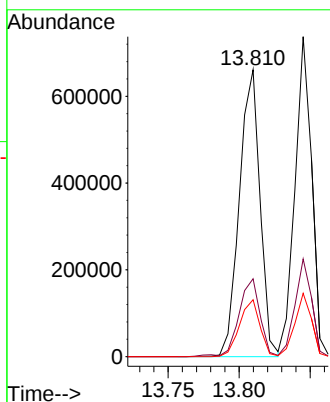
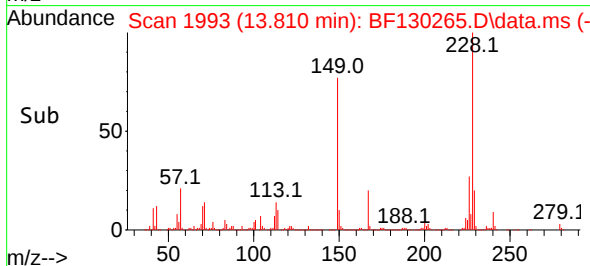


Tgt Ion:228 Resp: 667035  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.9 32.9  
229 19.8 16.1 24.1

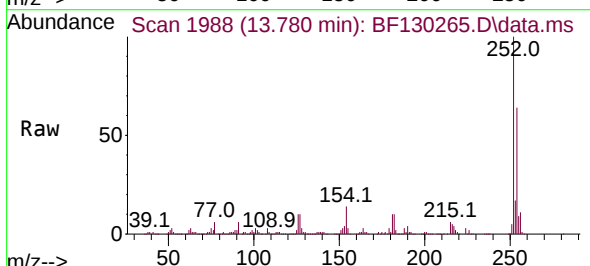
Manual Integrations

APPROVED

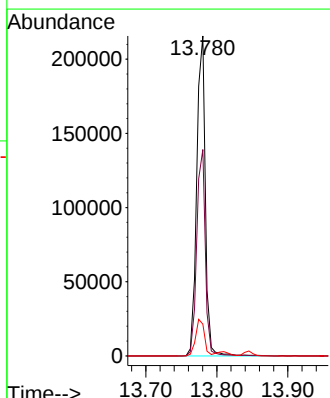
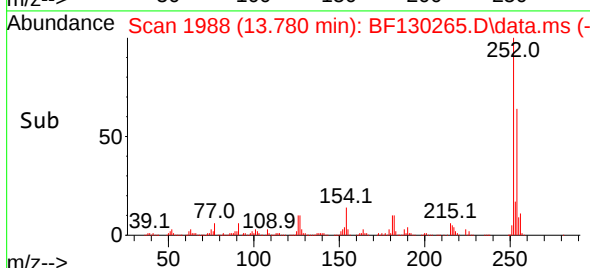
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

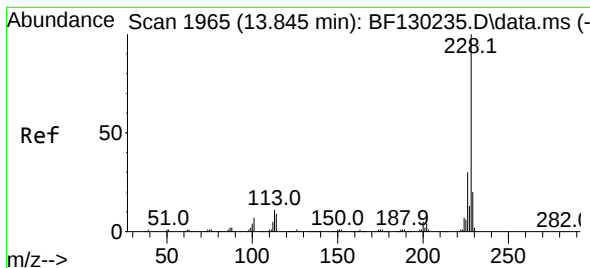


#82  
3,3'-Dichlorobenzidine  
Concen: 44.030 ng  
RT: 13.780 min Scan# 1988  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



Tgt Ion:252 Resp: 181847  
Ion Ratio Lower Upper  
252 100  
254 64.5 51.1 76.7  
126 9.9 10.4 15.6





#83

Chrysene

Concen: 42.012 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

ClientSampleId :

PB147583BS

Tgt Ion:228 Resp: 60523

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.8

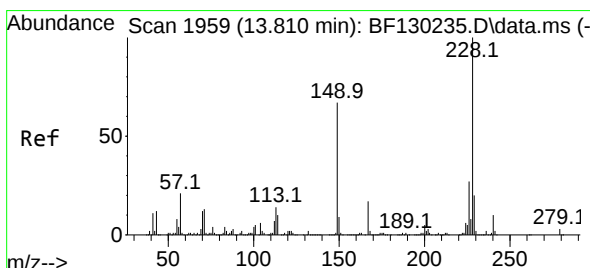
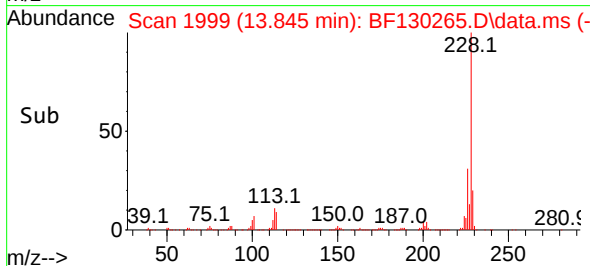
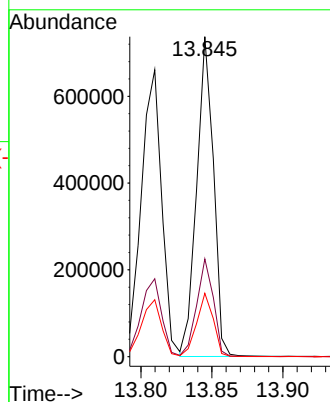
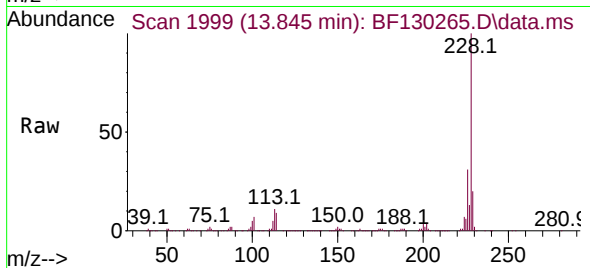
229 19.8 15.3 22.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.736 ng

RT: 13.810 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BF130265.D

Acq: 15 Sep 2022 11:37

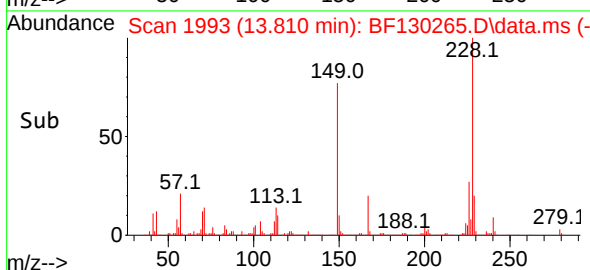
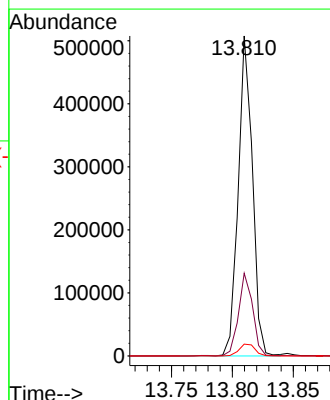
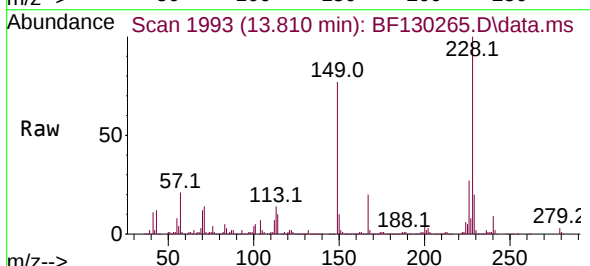
Tgt Ion:149 Resp: 412608

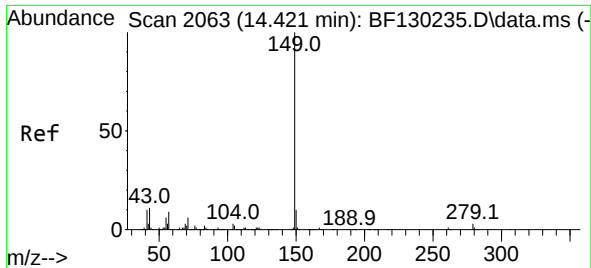
Ion Ratio Lower Upper

149 100

167 25.8 20.5 30.7

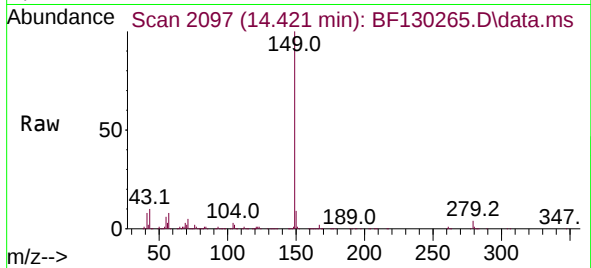
279 3.7 2.9 4.3





#85  
Di-n-octyl phthalate  
Concen: 46.300 ng  
RT: 14.421 min Scan# 2063  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

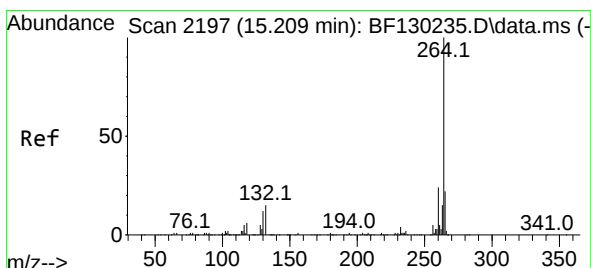
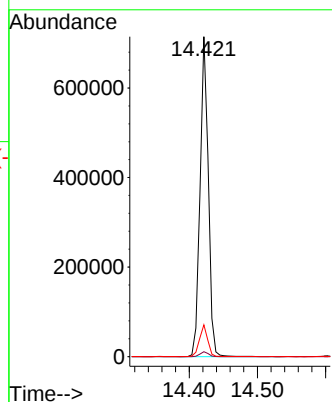
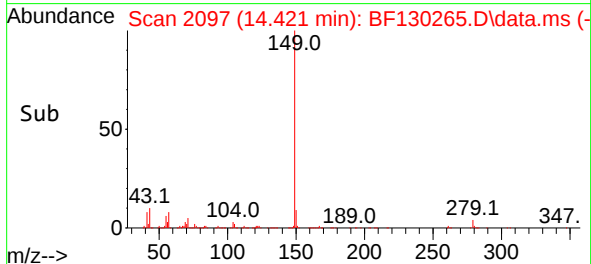
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



Tgt Ion:149 Resp: 599545  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 10.0 8.7 13.1

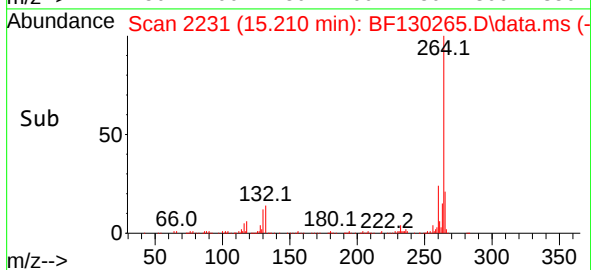
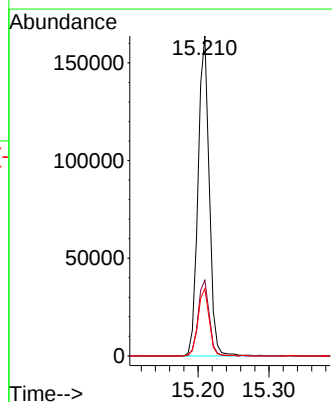
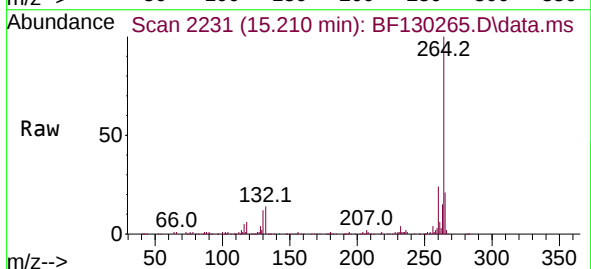
Manual Integrations  
APPROVED

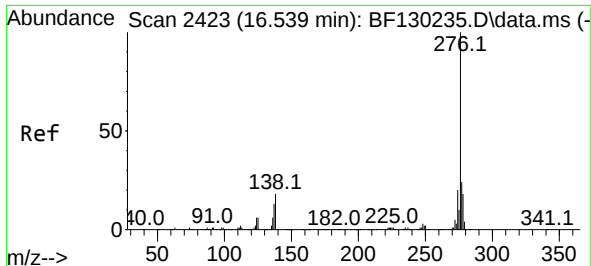
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.210 min Scan# 2231  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

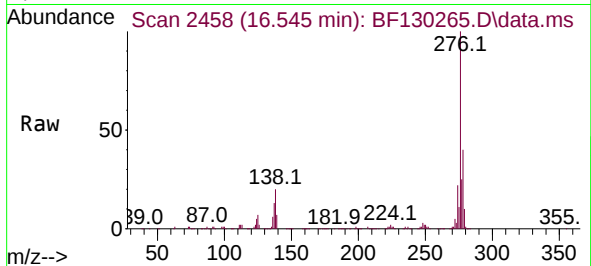
Tgt Ion:264 Resp: 177866  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.3 28.9  
265 21.0 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.965 ng  
RT: 16.545 min Scan# 2423  
Delta R.T. 0.006 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

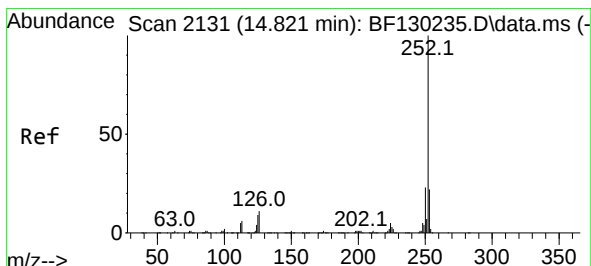
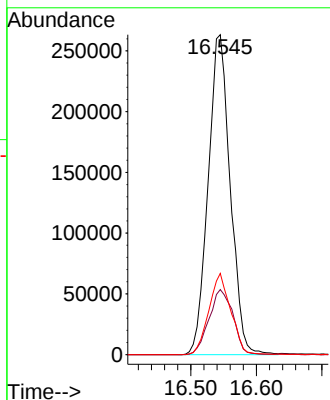
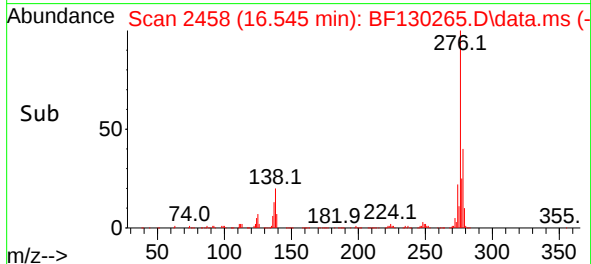
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



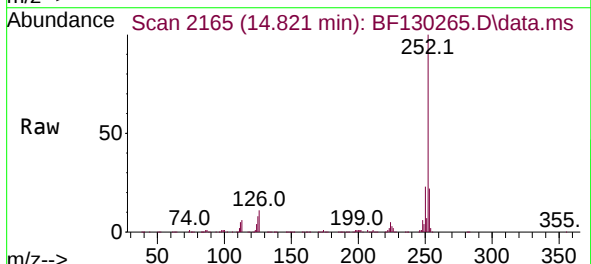
Tgt Ion:276 Resp: 617609  
Ion Ratio Lower Upper  
276 100  
138 22.0 18.5 27.7  
277 25.1 20.2 30.4

Manual Integrations  
APPROVED

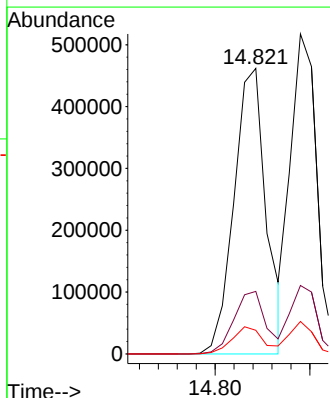
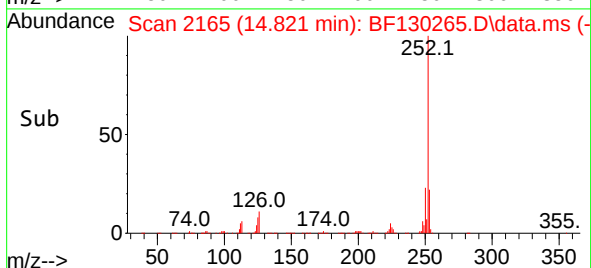
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022

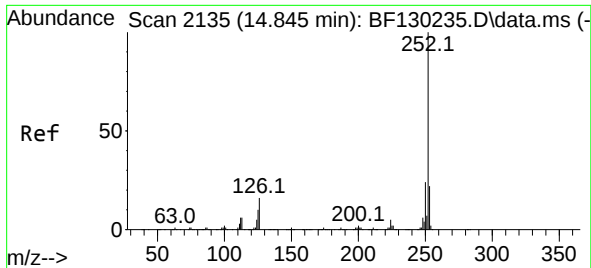


#88  
Benzo(b)fluoranthene  
Concen: 47.013 ng  
RT: 14.821 min Scan# 2165  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37



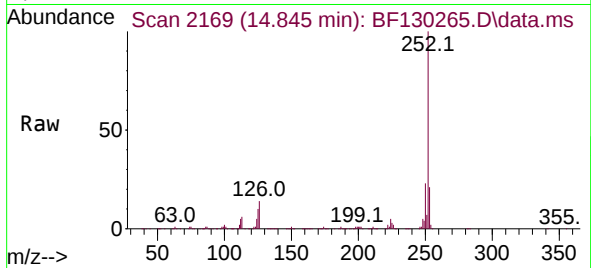
Tgt Ion:252 Resp: 545780  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.7 26.5  
125 8.3 8.1 12.1





#89  
Benzo(k)fluoranthene  
Concen: 43.893 ng  
RT: 14.845 min Scan# 2135  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

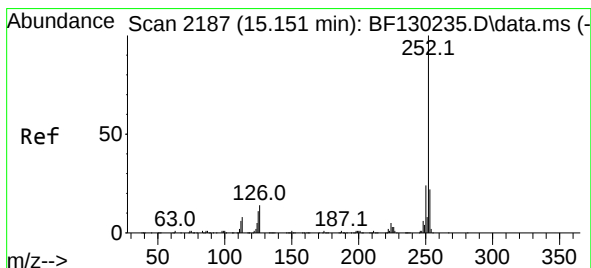
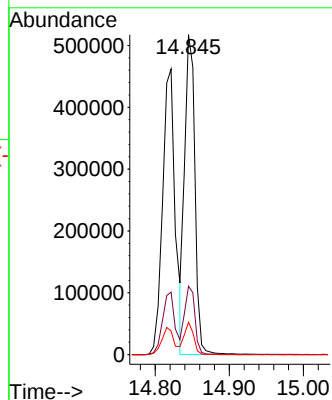
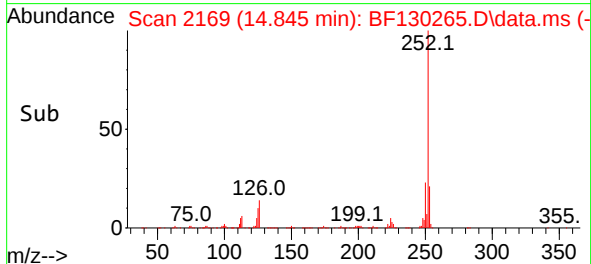
Instrument :  
BNA\_F  
ClientSampleId :  
PB147583BS



Tgt Ion:252 Resp: 50125  
Ion Ratio Lower Upper  
252 100  
253 21.4 17.4 26.2  
125 10.2 7.9 11.9

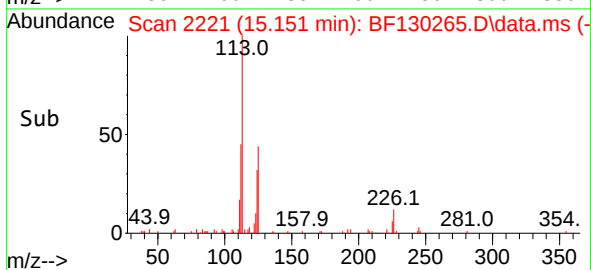
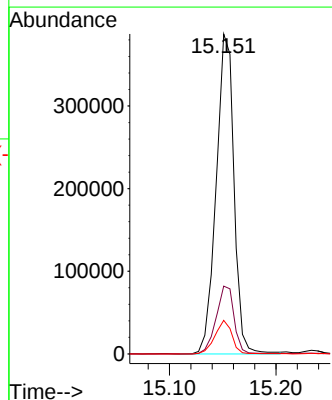
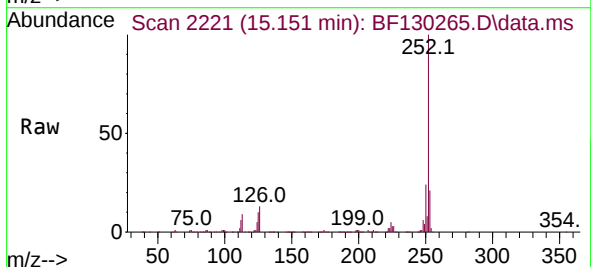
Manual Integrations  
APPROVED

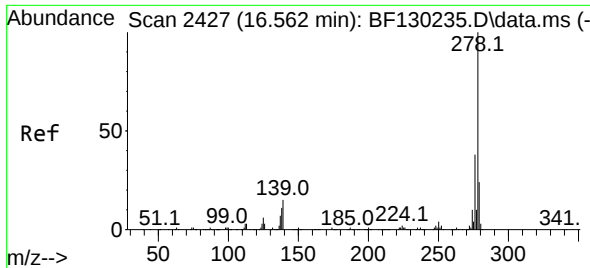
Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#90  
Benzo(a)pyrene  
Concen: 49.065 ng  
RT: 15.151 min Scan# 2221  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:252 Resp: 451266  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.8 26.6  
125 10.5 9.0 13.6





#91  
Dibenzo(a,h)anthracene  
Concen: 51.865 ng  
RT: 16.563 min Scan# 2427  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Instrument :

BNA\_F

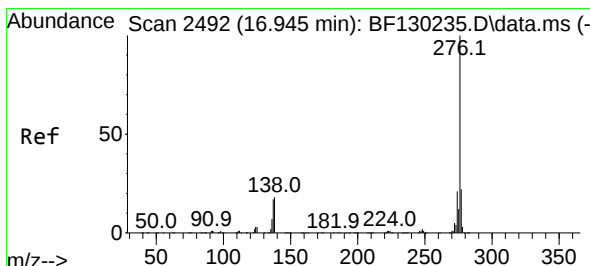
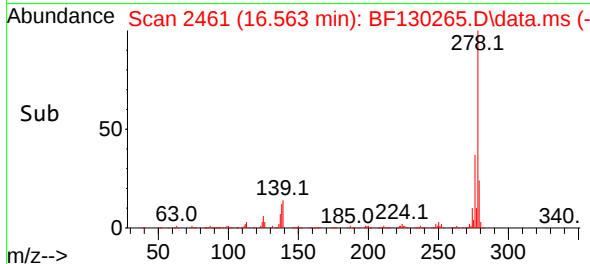
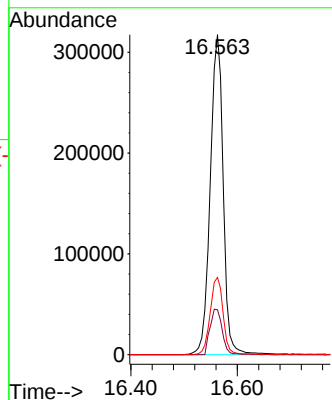
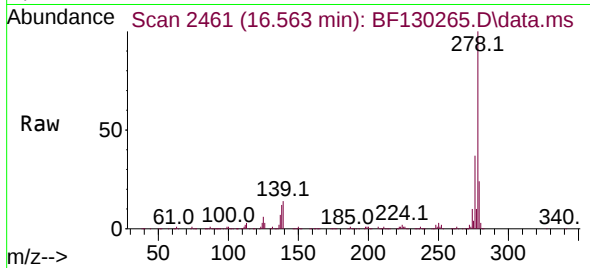
ClientSampleId :

PB147583BS

Tgt Ion:278 Resp: 536664  
Ion Ratio Lower Upper  
278 100  
139 14.0 11.8 17.8  
279 24.1 19.4 29.0

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 09/16/2022  
Supervised By :Jagrut Upadhyay 09/16/2022



#92  
Benzo(g,h,i)perylene  
Concen: 51.312 ng  
RT: 16.945 min Scan# 2526  
Delta R.T. 0.000 min  
Lab File: BF130265.D  
Acq: 15 Sep 2022 11:37

Tgt Ion:276 Resp: 534839  
Ion Ratio Lower Upper  
276 100  
277 24.4 18.6 27.8  
138 19.2 14.6 21.8

