

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053023\  
 Data File : BF133518.D  
 Acq On : 30 May 2023 12:59  
 Operator : CG\JU  
 Sample : PB153070BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153070BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/31/2023  
 Supervised By : Yogesh Patel 06/01/2023

Quant Time: May 30 13:18:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 30 12:58:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.833  | 152  | 143330   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.116  | 136  | 525547   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.874  | 164  | 260012   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.363 | 188  | 509553   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.004 | 240  | 361786   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.456 | 264  | 330255   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 802412   | 93.406  | ng    | 0.01     |
| 7) Phenol-d6                  | 6.463  | 99   | 987813   | 93.410  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.398  | 82   | 590140   | 74.975  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.663 | 330  | 270492   | 104.363 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 1147522  | 68.117  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1255171  | 61.685  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.657  | 88   | 166615   | 42.945  | ng    | 98       |
| 3) Pyridine                   | 3.387  | 79   | 417297   | 38.360  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.345  | 42   | 245178   | 41.327  | ng    | 96       |
| 6) Aniline                    | 6.492  | 93   | 514992   | 35.867  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.616  | 128  | 373357   | 44.108  | ng    | 99       |
| 9) Benzaldehyde               | 6.381  | 77   | 239834   | 47.029  | ng    | 97       |
| 10) Phenol                    | 6.475  | 94   | 469279m  | 44.236  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 365002   | 41.614  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.775  | 146  | 405457   | 43.146  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.851  | 146  | 411144   | 43.640  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.004  | 146  | 385206   | 44.307  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.975  | 79   | 341704   | 42.561  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.110  | 45   | 698259   | 41.974  | ng    | 99       |
| 17) 2-Methylphenol            | 7.086  | 107  | 318736   | 39.763  | ng    | 99       |
| 18) Hexachloroethane          | 7.345  | 117  | 145611   | 44.697  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 271313   | 39.653  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.239  | 107  | 381983   | 42.150  | ng    | 92       |
| 22) Acetophenone              | 7.245  | 105  | 517151   | 42.730  | ng    | # 96     |
| 24) Nitrobenzene              | 7.416  | 77   | 399597   | 47.646  | ng    | 98       |
| 25) Isophorone                | 7.657  | 82   | 758679   | 41.357  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.733  | 139  | 162979   | 42.961  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.769  | 122  | 339847   | 43.541  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.869  | 93   | 442696   | 41.617  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.975  | 162  | 311475   | 44.355  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.057  | 180  | 329397   | 43.367  | ng    | 98       |
| 31) Naphthalene               | 8.139  | 128  | 1077148  | 42.276  | ng    | 99       |
| 32) Benzoic acid              | 7.886  | 122  | 203481   | 40.867  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.186  | 127  | 226616   | 20.752  | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.257  | 225  | 192301   | 41.621  | ng    | 99       |
| 35) Caprolactam               | 8.563  | 113  | 112308m  | 48.766  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.663  | 107  | 349054   | 44.374  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.833  | 142  | 707167   | 40.650  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.933  | 142  | 664731   | 40.991  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 314016   | 40.747  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.986  | 237  | 375630   | 95.115  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.104  | 196  | 223052   | 45.233  | ng    | 95       |

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 Sample : PB153070BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
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Manual Integrations  
 APPROVED

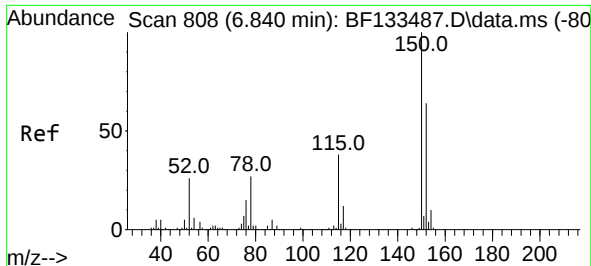
Reviewed By : Christian Giraldo 05/31/2023  
 Supervised By : Yogesh Patel 06/01/2023

Quant Time: May 30 13:18:49 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.145  | 196  | 241065   | 42.117 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.298  | 154  | 885633   | 41.924 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.322  | 162  | 647983   | 42.324 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.416  | 65   | 206247   | 42.461 | ng    | 99       |
| 49) Acenaphthylene            | 9.739  | 152  | 1102318  | 42.191 | ng    | 100      |
| 50) Dimethylphthalate         | 9.598  | 163  | 765027   | 41.863 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.657  | 165  | 155123   | 44.902 | ng    | 96       |
| 52) Acenaphthene              | 9.910  | 154  | 723281   | 45.701 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.827  | 138  | 140197   | 33.233 | ng    | # 91     |
| 54) 2,4-Dinitrophenol         | 9.933  | 184  | 141347   | 80.152 | ng    | 97       |
| 55) Dibenzofuran              | 10.080 | 168  | 982368   | 41.721 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.986  | 139  | 298432   | 95.450 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.063 | 165  | 204537   | 47.486 | ng    | 91       |
| 58) Fluorene                  | 10.427 | 166  | 717874   | 41.613 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.198 | 232  | 201299   | 46.698 | ng    | 99       |
| 60) Diethylphthalate          | 10.304 | 149  | 787850   | 41.530 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.416 | 204  | 337500   | 40.745 | ng    | 97       |
| 62) 4-Nitroaniline            | 10.445 | 138  | 192016   | 44.010 | ng    | 97       |
| 63) Azobenzene                | 10.580 | 77   | 787037   | 41.445 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 91485    | 44.647 | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 671169   | 40.572 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248  | 222512   | 41.119 | ng    | 92       |
| 68) Hexachlorobenzene         | 10.969 | 284  | 243730   | 43.070 | ng    | 98       |
| 69) Atrazine                  | 11.069 | 200  | 218610   | 48.163 | ng    | 95       |
| 70) Pentachlorophenol         | 11.163 | 266  | 271199   | 80.149 | ng    | 99       |
| 71) Phenanthrene              | 11.386 | 178  | 1069937  | 41.457 | ng    | 100      |
| 72) Anthracene                | 11.439 | 178  | 1099100  | 41.379 | ng    | 100      |
| 73) Carbazole                 | 11.592 | 167  | 1068602  | 42.540 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1235488  | 41.594 | ng    | 100      |
| 75) Fluoranthene              | 12.574 | 202  | 1181734  | 41.454 | ng    | 100      |
| 77) Benzidine                 | 12.698 | 184  | 783755   | 74.069 | ng    | 99       |
| 78) Pyrene                    | 12.804 | 202  | 1215855  | 39.493 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.427 | 149  | 512285   | 42.057 | ng    | 98       |
| 81) Benzo(a)anthracene        | 13.992 | 228  | 967260   | 40.134 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.957 | 252  | 228487   | 30.327 | ng    | 99       |
| 83) Chrysene                  | 14.033 | 228  | 985249   | 40.495 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 620431   | 40.749 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.604 | 149  | 1160781  | 45.765 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.915 | 276  | 859812   | 40.872 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 923916   | 42.962 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 888149   | 42.355 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.404 | 252  | 761889   | 38.934 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.933 | 278  | 690340   | 40.475 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.356 | 276  | 710121   | 41.291 | ng    | 99       |

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





#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.833 min Scan# 80  
 Delta R.T. -0.000 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

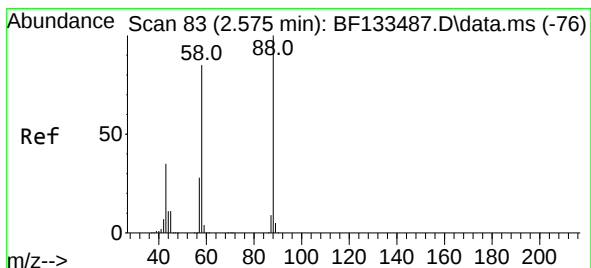
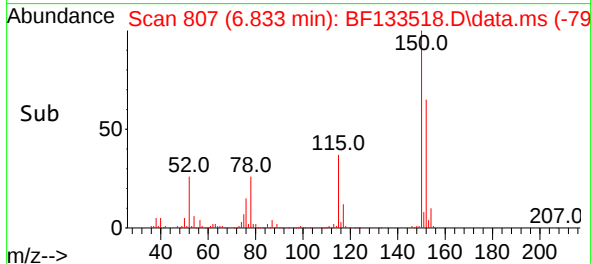
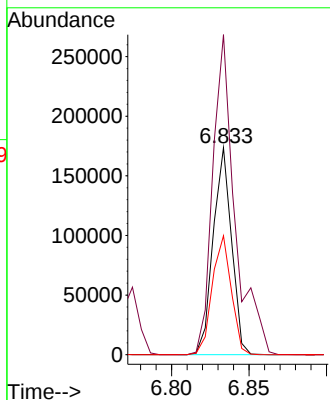
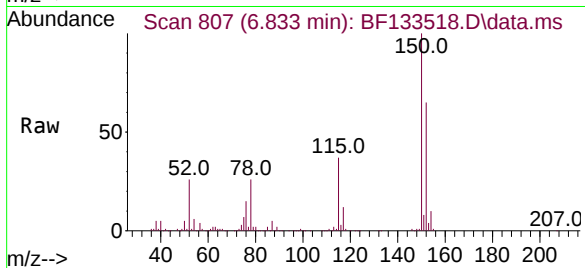
PB153070BS

Tgt Ion:152 Resp: 143330  
 Ion Ratio Lower Upper  
 152 100  
 150 154.6 124.9 187.3  
 115 57.4 48.1 72.1

Manual Integrations

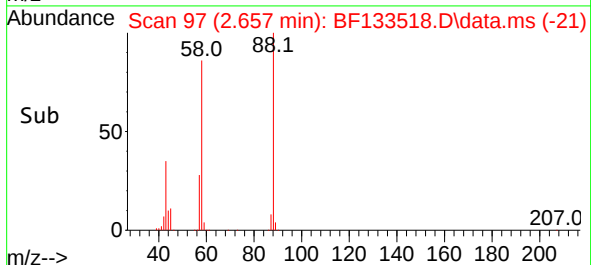
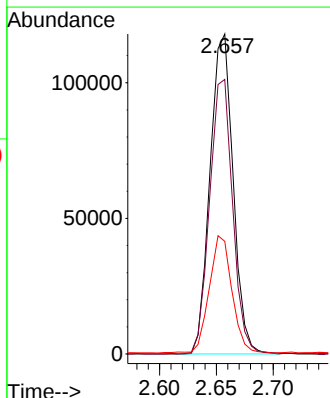
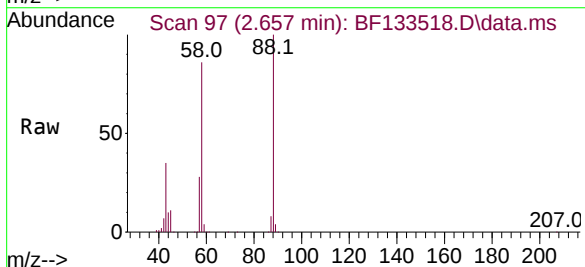
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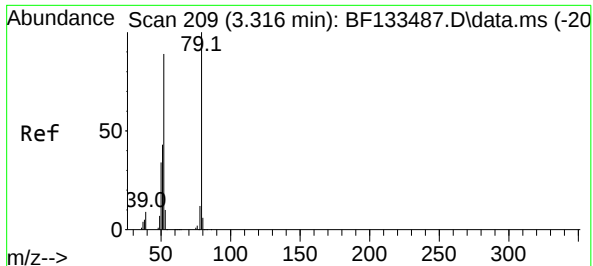
Reviewed By :Christian Giraldo 05/31/2023  
 Supervised By :Yogesh Patel 06/01/2023



#2  
 1,4-Dioxane  
 Concen: 42.945 ng  
 RT: 2.657 min Scan# 97  
 Delta R.T. 0.100 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

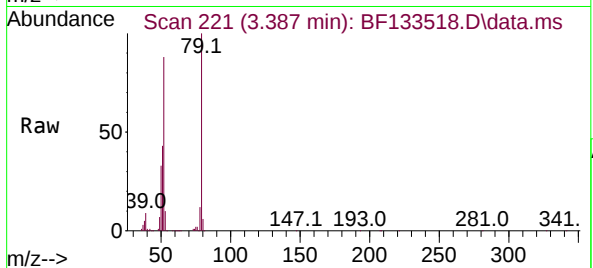
Tgt Ion: 88 Resp: 166615  
 Ion Ratio Lower Upper  
 88 100  
 58 86.2 67.7 101.5  
 43 36.1 28.2 42.4





#3  
Pyridine  
Concen: 38.360 ng  
RT: 3.387 min Scan# 210  
Delta R.T. 0.088 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

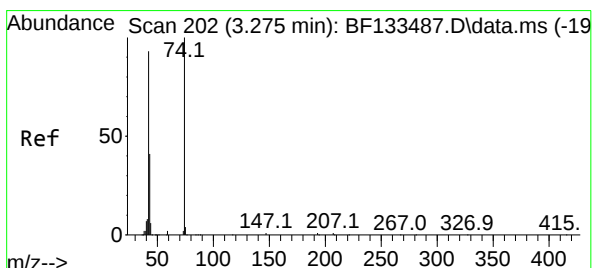
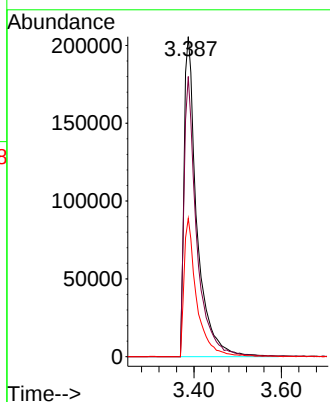
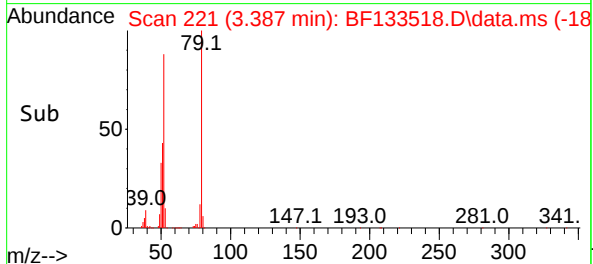
Instrument :  
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ClientSampleId :  
PB153070BS



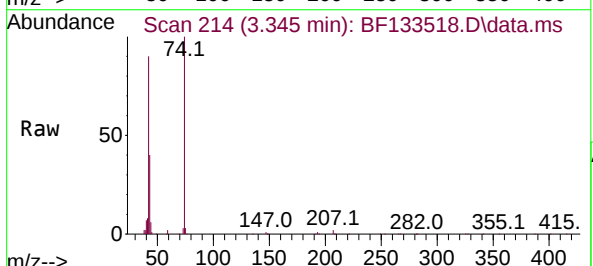
Tgt Ion: 79 Resp: 41729  
Ion Ratio Lower Upper  
79 100  
52 87.6 71.3 106.9  
51 43.2 34.4 51.6

Manual Integrations  
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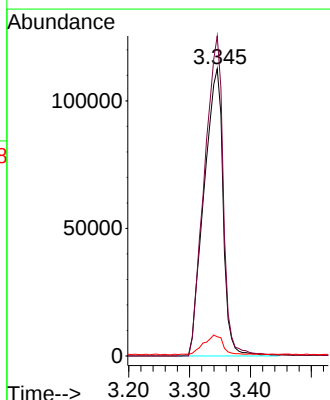
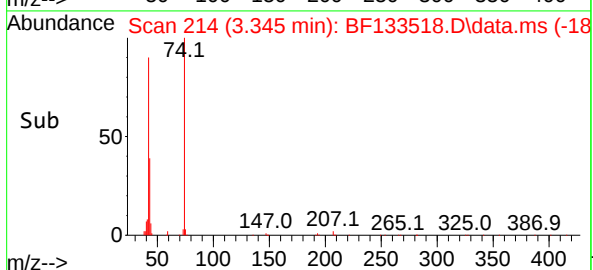
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#4  
n-Nitrosodimethylamine  
Concen: 41.327 ng  
RT: 3.345 min Scan# 214  
Delta R.T. 0.088 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion: 42 Resp: 245178  
Ion Ratio Lower Upper  
42 100  
74 111.4 85.7 128.5  
44 6.7 5.6 8.4





#5  
2-Fluorophenol  
Concen: 93.406 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.011 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

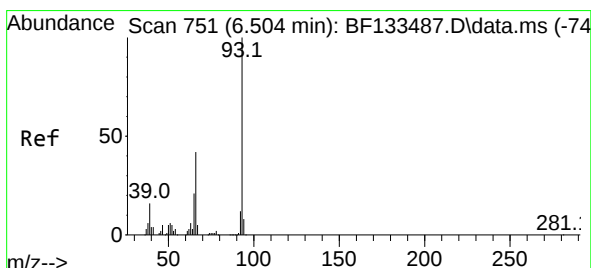
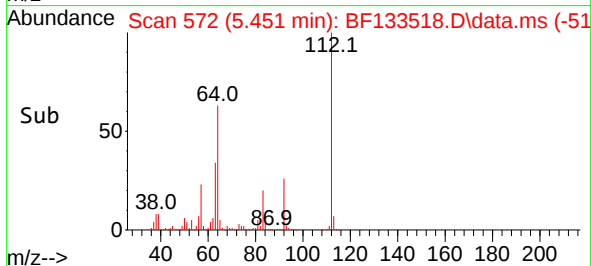
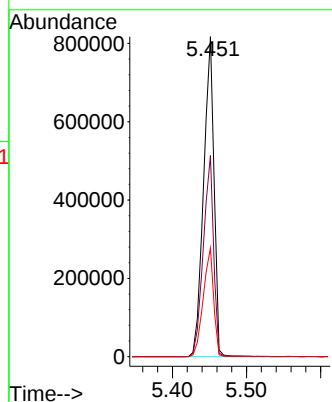
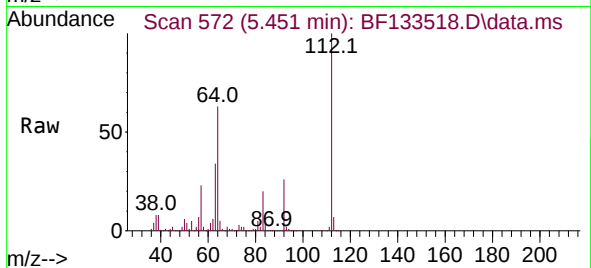
ClientSampleId :

PB153070BS

Tgt Ion: 112 Resp: 80241  
Ion Ratio Lower Upper  
112 100  
64 62.8 50.1 75.1  
63 34.0 27.5 41.3

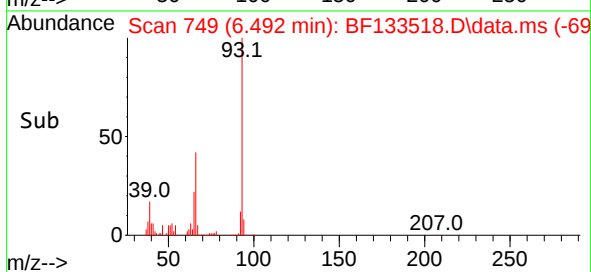
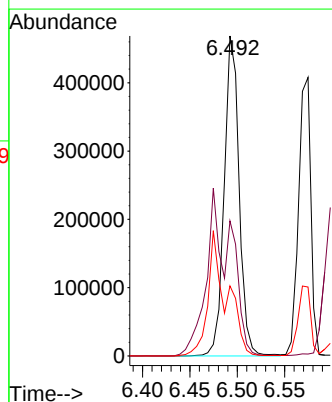
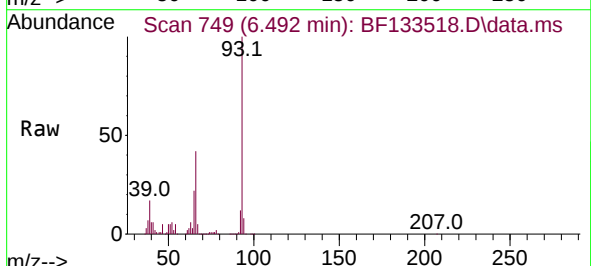
Manual Integrations  
APPROVED

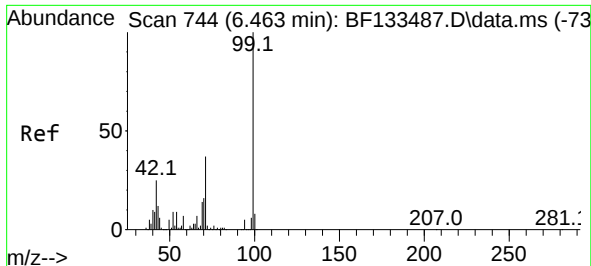
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#6  
Aniline  
Concen: 35.867 ng  
RT: 6.492 min Scan# 749  
Delta R.T. -0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

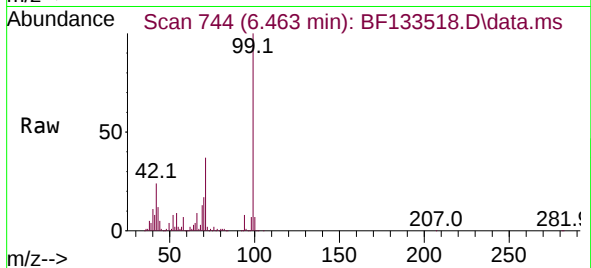
Tgt Ion: 93 Resp: 514992  
Ion Ratio Lower Upper  
93 100  
66 42.2 33.9 50.9  
65 21.9 17.2 25.8





#7  
Phenol-d6  
Concen: 93.410 ng  
RT: 6.463 min Scan# 744  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

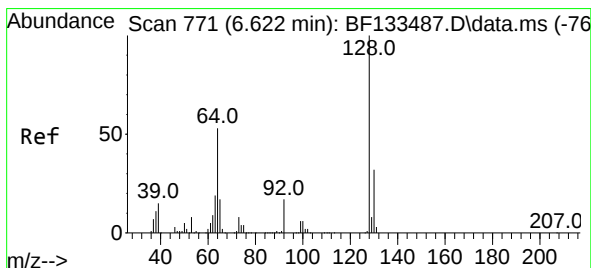
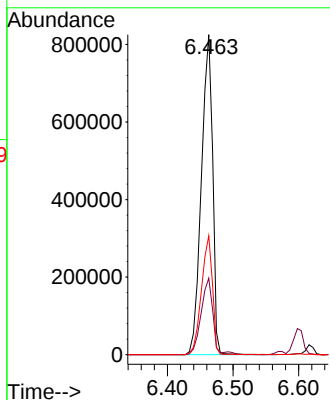
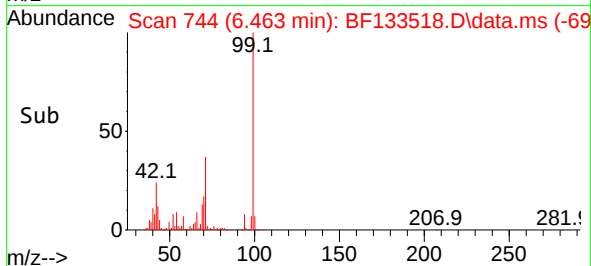
Instrument :  
BNA\_F  
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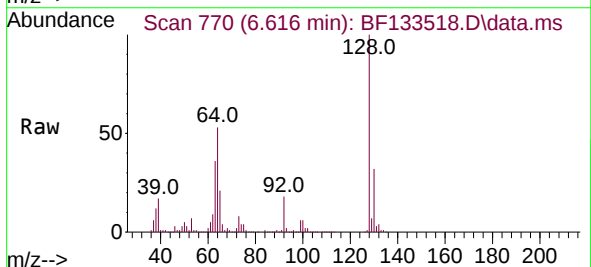
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Ion Ratio Lower Upper  
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71 37.2 29.8 44.8

Manual Integrations  
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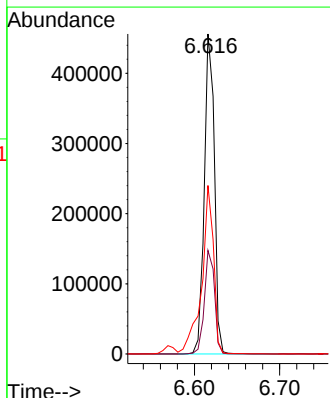
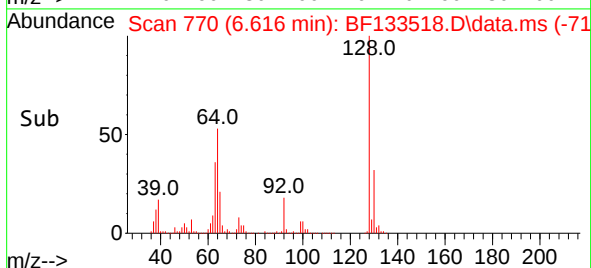
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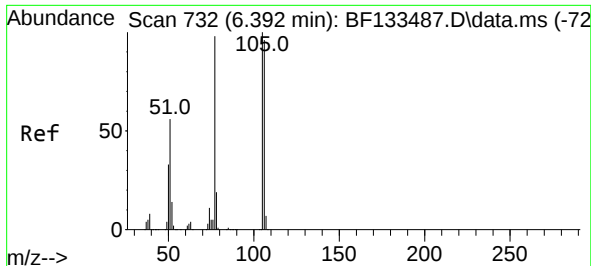


#8  
2-Chlorophenol  
Concen: 44.108 ng  
RT: 6.616 min Scan# 770  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



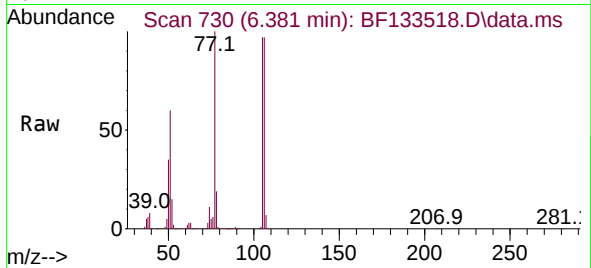
Tgt Ion:128 Resp: 373357  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.4 52.4  
64 52.7 33.3 73.3





#9  
Benzaldehyde  
Concen: 47.029 ng  
RT: 6.381 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

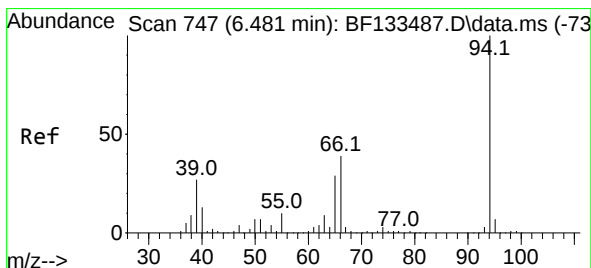
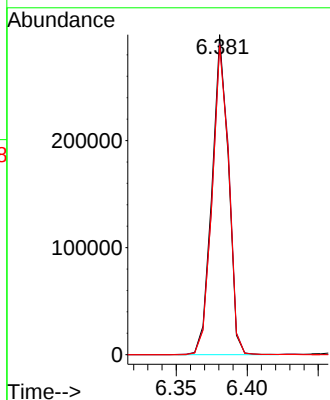
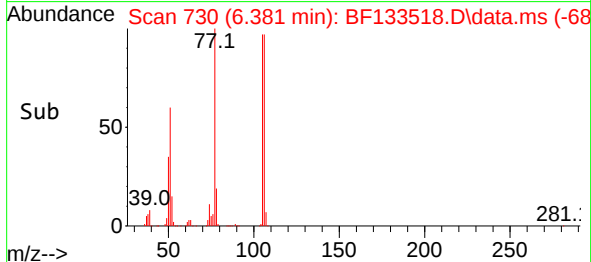
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



Tgt Ion: 77 Resp: 239834  
Ion Ratio Lower Upper  
77 100  
105 97.2 81.9 121.9  
106 96.5 77.8 117.8

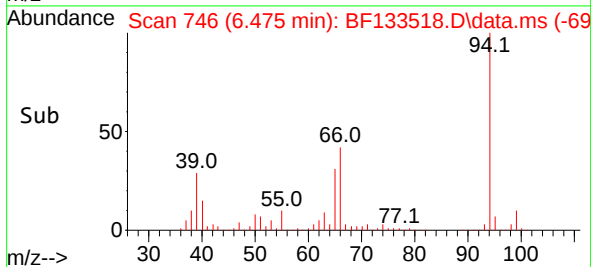
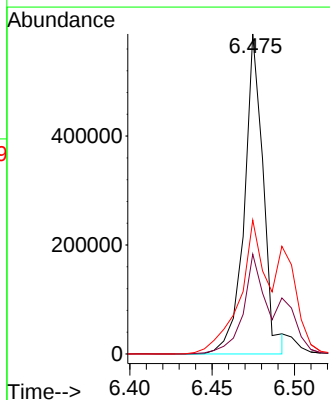
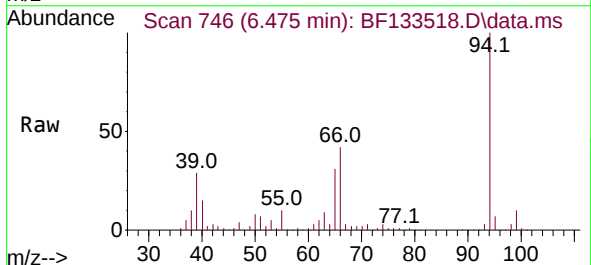
Manual Integrations  
APPROVED

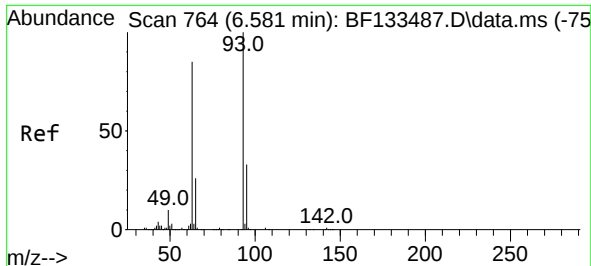
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#10  
Phenol  
Concen: 44.236 ng m  
RT: 6.475 min Scan# 746  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

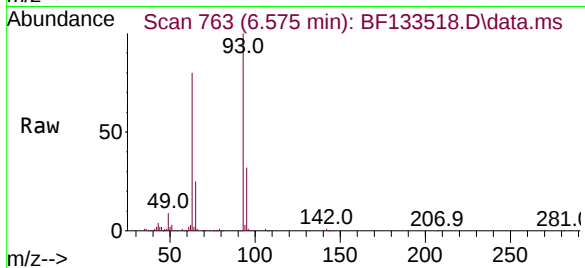
Tgt Ion: 94 Resp: 469279  
Ion Ratio Lower Upper  
94 100  
65 31.2 9.1 49.1  
66 41.8 18.9 58.9





#11  
bis(2-Chloroethyl)ether  
Concen: 41.614 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

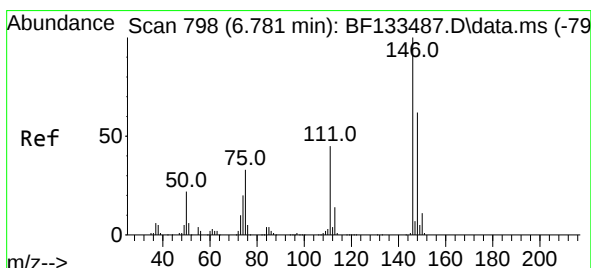
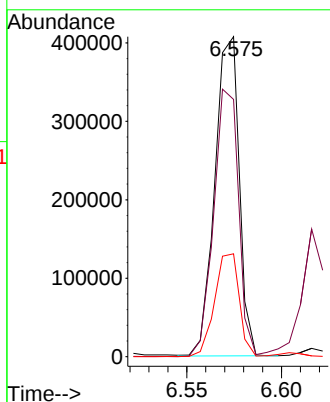
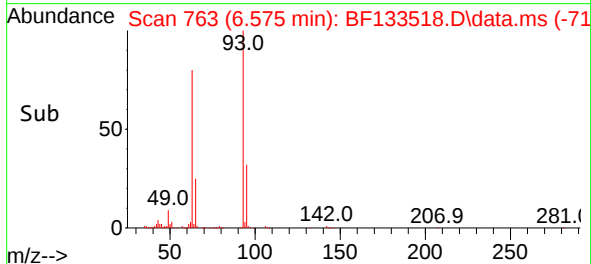
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



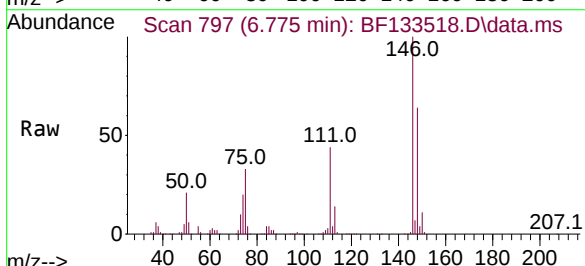
Tgt Ion: 93 Resp: 365002  
Ion Ratio Lower Upper  
93 100  
63 80.4 64.5 104.5  
95 32.1 13.3 53.3

Manual Integrations  
APPROVED

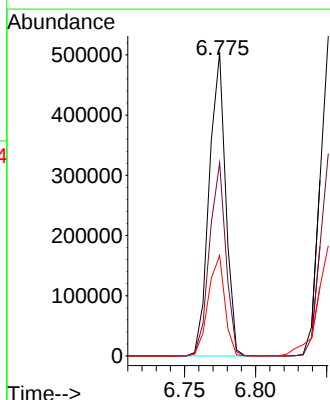
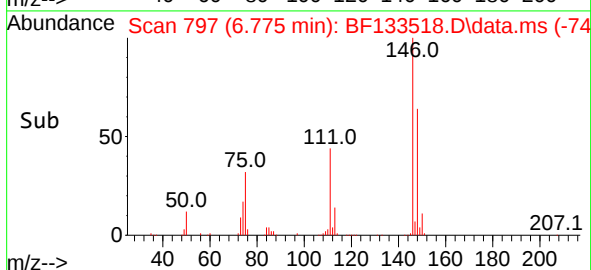
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

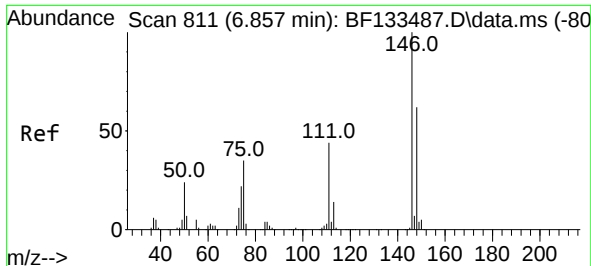


#12  
1,3-Dichlorobenzene  
Concen: 43.146 ng  
RT: 6.775 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:146 Resp: 405457  
Ion Ratio Lower Upper  
146 100  
148 63.7 49.9 74.9  
75 33.1 26.7 40.1





#13

1,4-Dichlorobenzene

Concen: 43.640 ng

RT: 6.851 min Scan# 811

Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

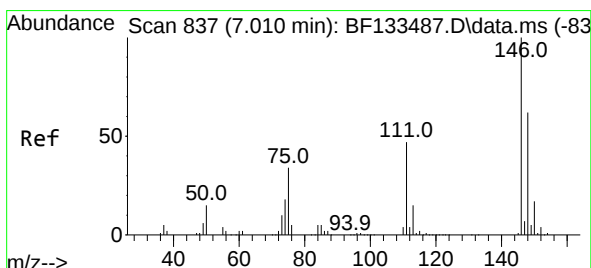
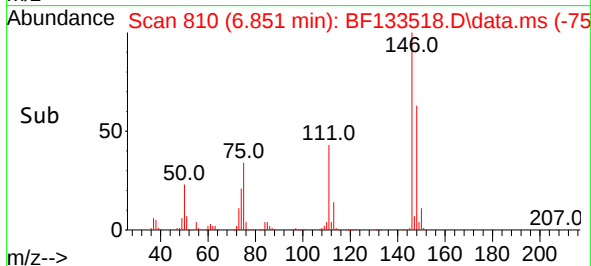
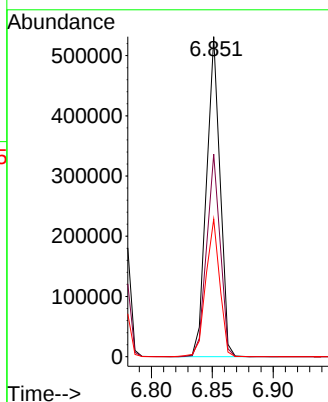
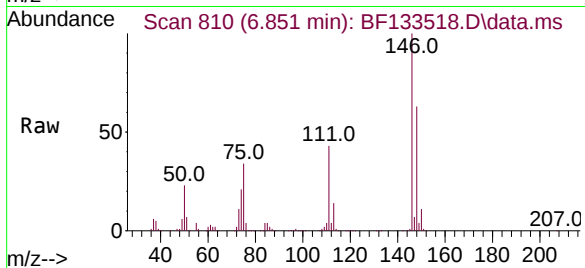
PB153070BS

Tgt Ion:146 Resp: 411144  
 Ion Ratio Lower Upper  
 146 100  
 148 63.3 49.8 74.6  
 111 43.0 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023  
 Supervised By :Yogesh Patel 06/01/2023



#14

1,2-Dichlorobenzene

Concen: 44.307 ng

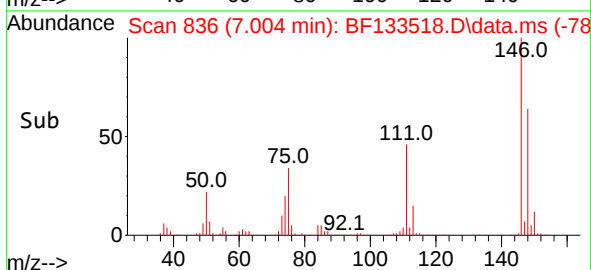
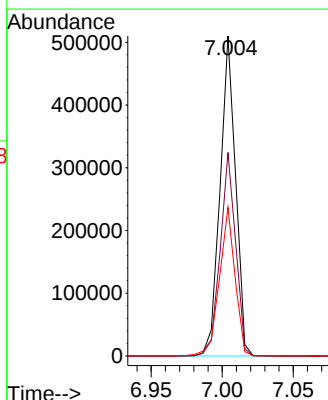
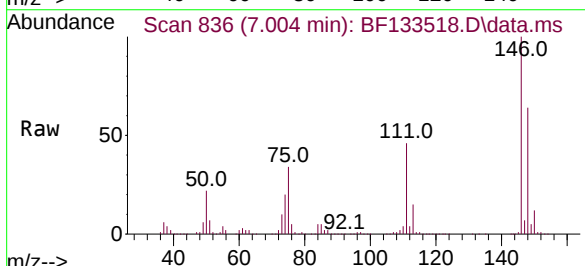
RT: 7.004 min Scan# 836

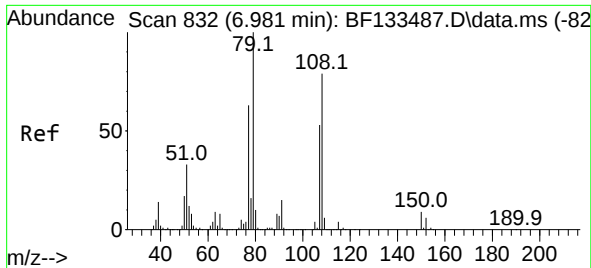
Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Tgt Ion:146 Resp: 385206  
 Ion Ratio Lower Upper  
 146 100  
 148 63.6 49.8 74.6  
 111 46.4 37.4 56.2





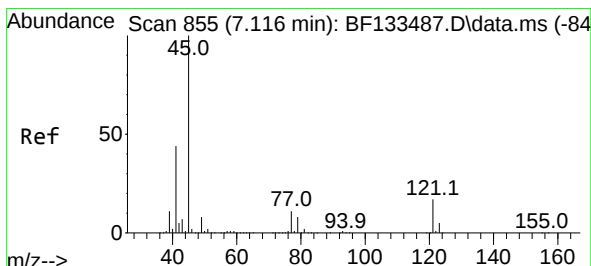
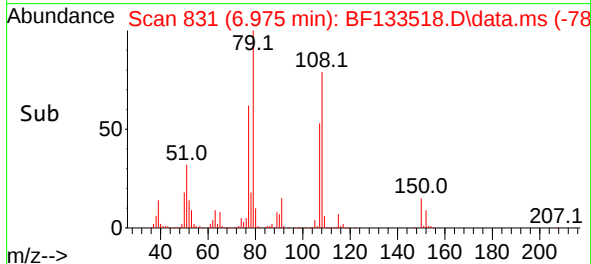
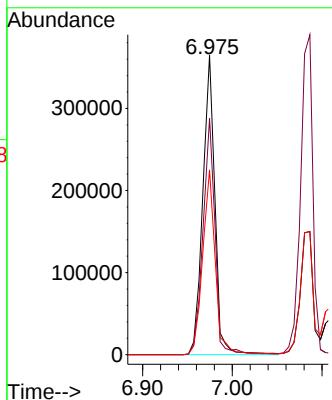
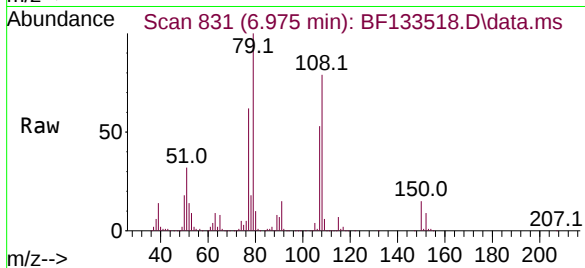
#15  
Benzyl Alcohol  
Concen: 42.561 ng  
RT: 6.975 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS

Tgt Ion: 79 Resp: 341704  
Ion Ratio Lower Upper  
79 100  
108 79.0 63.2 94.8  
77 61.7 50.3 75.5

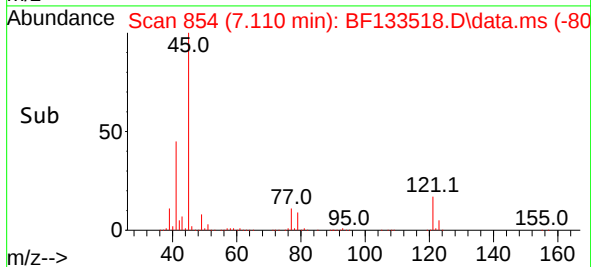
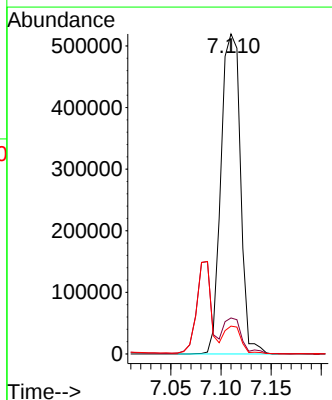
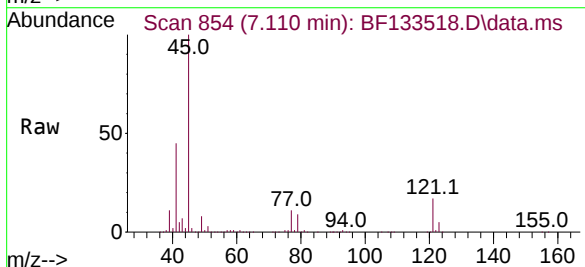
Manual Integrations  
APPROVED

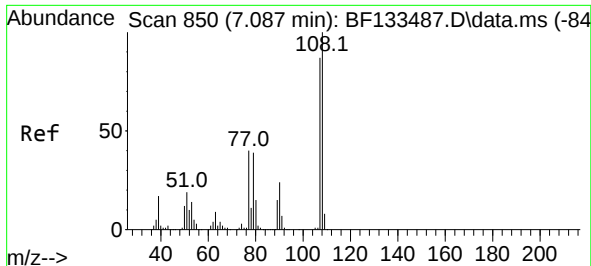
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 41.974 ng  
RT: 7.110 min Scan# 854  
Delta R.T. -0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion: 45 Resp: 698259  
Ion Ratio Lower Upper  
45 100  
77 11.2 0.0 30.8  
79 8.7 0.0 28.2





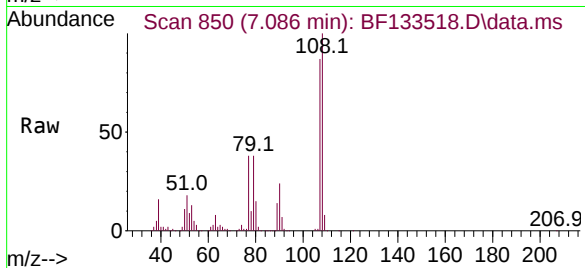
#17  
2-Methylphenol  
Concen: 39.763 ng  
RT: 7.086 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

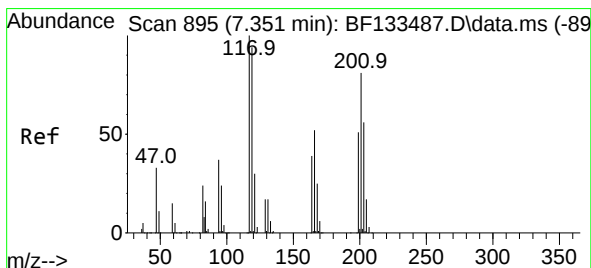
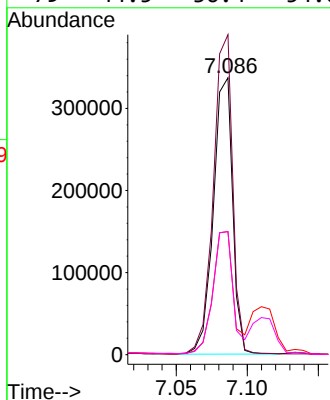
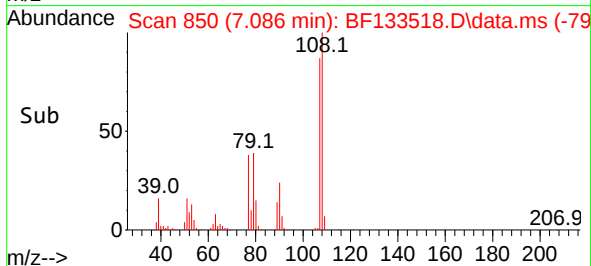


Tgt Ion:107 Resp: 318730  
Ion Ratio Lower Upper  
107 100  
108 115.5 92.2 138.4  
77 44.4 37.1 55.7  
79 44.5 36.4 54.6

Manual Integrations

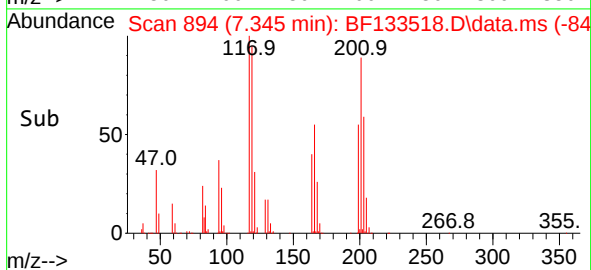
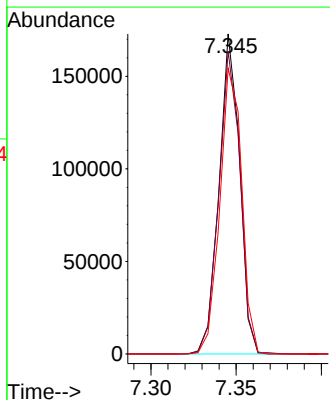
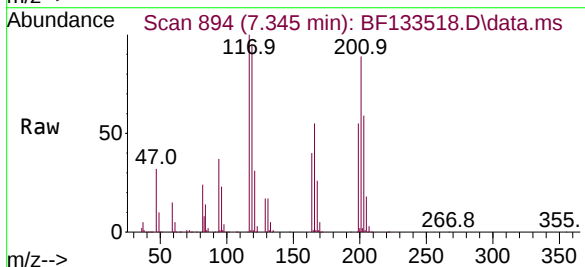
APPROVED

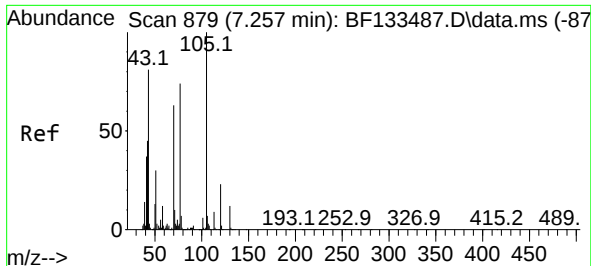
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#18  
Hexachloroethane  
Concen: 44.697 ng  
RT: 7.345 min Scan# 894  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

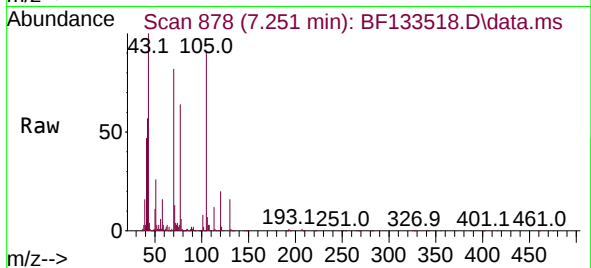
Tgt Ion:117 Resp: 145611  
Ion Ratio Lower Upper  
117 100  
119 94.7 74.9 112.3  
201 89.3 64.8 97.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 39.653 ng  
RT: 7.251 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

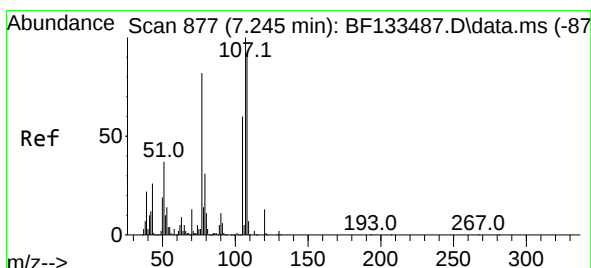
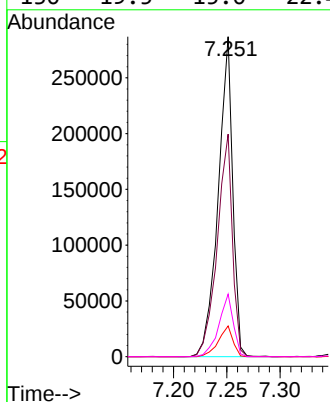
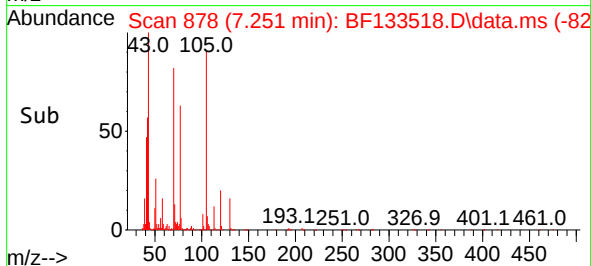
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



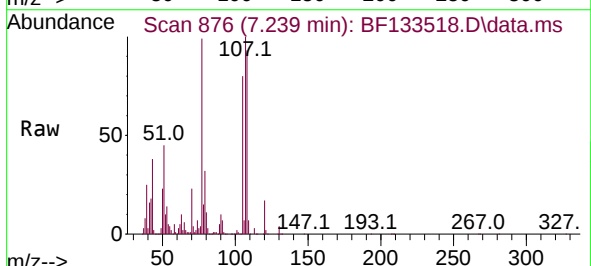
Tgt Ion: 70 Resp: 27131  
Ion Ratio Lower Upper  
70 100  
42 69.6 57.2 85.8  
101 9.6 7.3 10.9  
130 19.5 15.0 22.4

Manual Integrations  
APPROVED

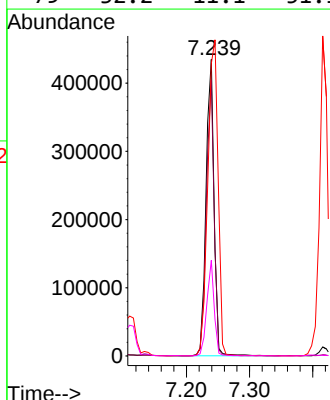
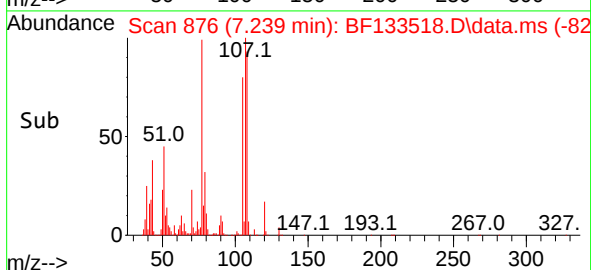
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

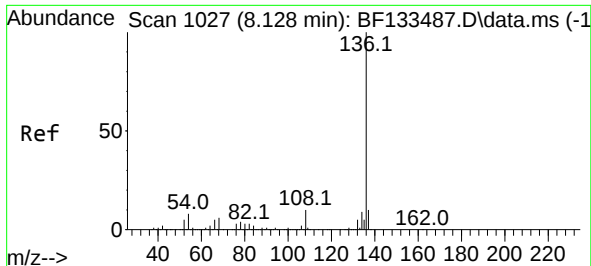


#20  
3+4-Methylphenols  
Concen: 42.150 ng  
RT: 7.239 min Scan# 876  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:107 Resp: 381983  
Ion Ratio Lower Upper  
107 100  
108 92.9 72.0 112.0  
77 98.5 61.9 101.9  
79 32.2 11.1 51.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.116 min Scan# 1025  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

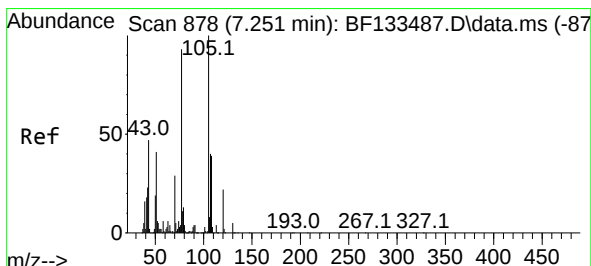
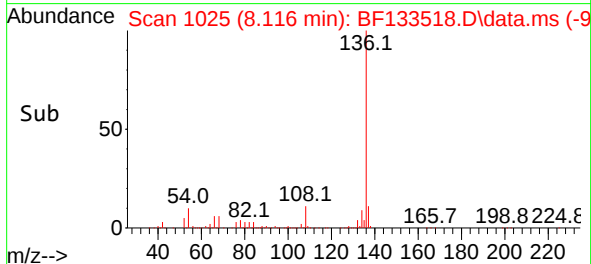
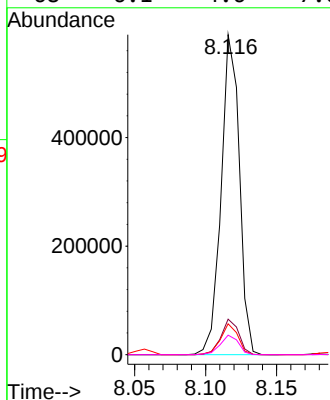
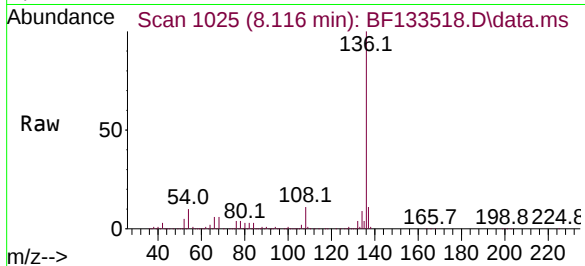
ClientSampleId :

PB153070BS

Tgt Ion:136 Resp: 52554  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.2 12.4  
54 9.7 6.6 10.0  
68 6.1 4.6 7.0

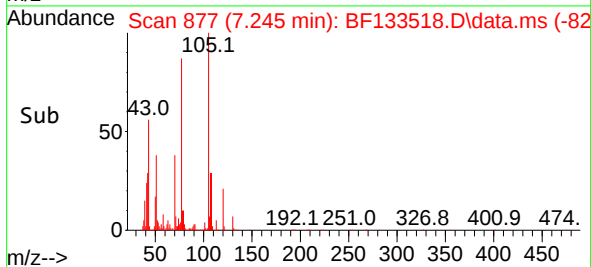
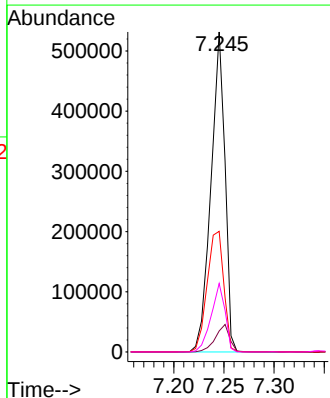
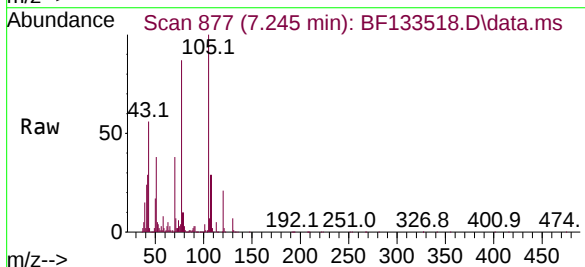
Manual Integrations  
APPROVED

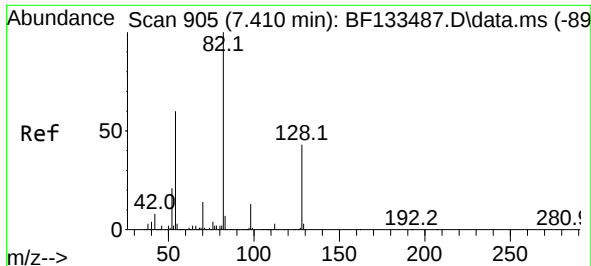
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#22  
Acetophenone  
Concen: 42.730 ng  
RT: 7.245 min Scan# 877  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:105 Resp: 517151  
Ion Ratio Lower Upper  
105 100  
71 6.6 3.8 5.8#  
51 37.7 32.6 49.0  
120 21.4 17.5 26.3





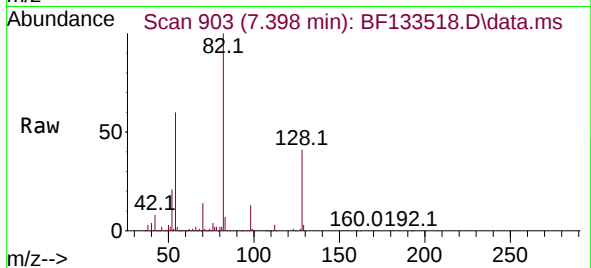
#23  
Nitrobenzene-d5  
Concen: 74.975 ng  
RT: 7.398 min Scan# 905  
Delta R.T. -0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

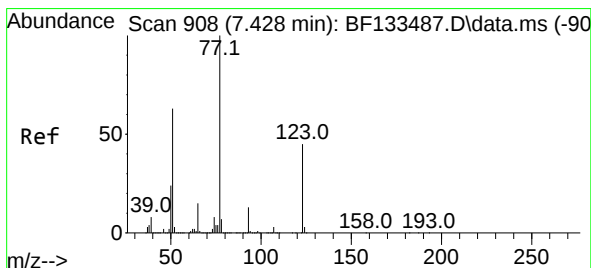
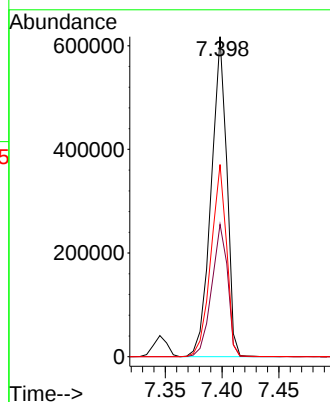
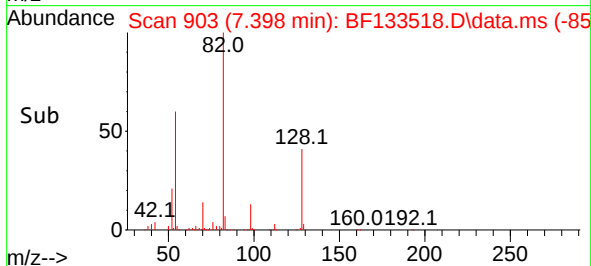


Tgt Ion: 82 Resp: 590140  
Ion Ratio Lower Upper  
82 100  
128 41.3 34.2 51.4  
54 60.1 48.2 72.4

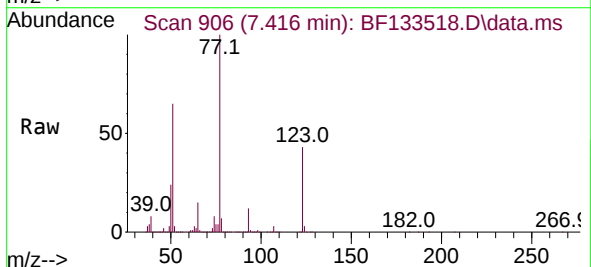
Manual Integrations

APPROVED

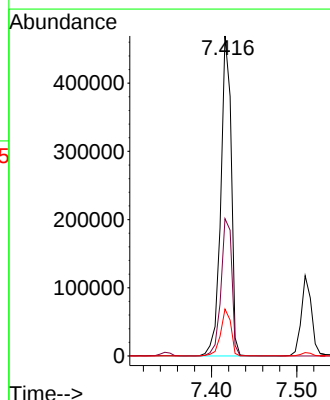
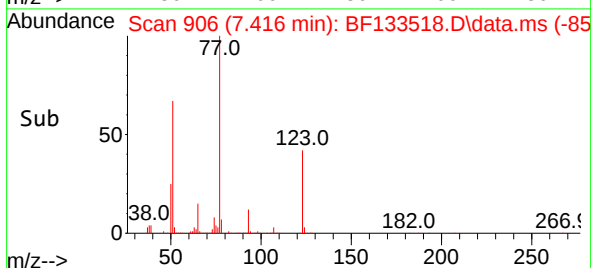
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

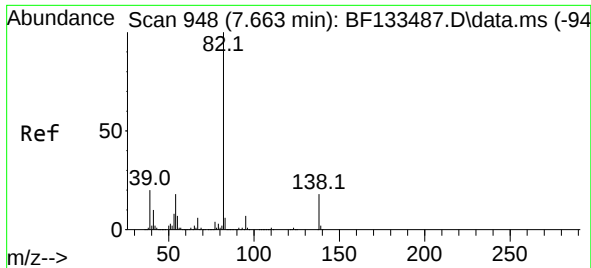


#24  
Nitrobenzene  
Concen: 47.646 ng  
RT: 7.416 min Scan# 906  
Delta R.T. -0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



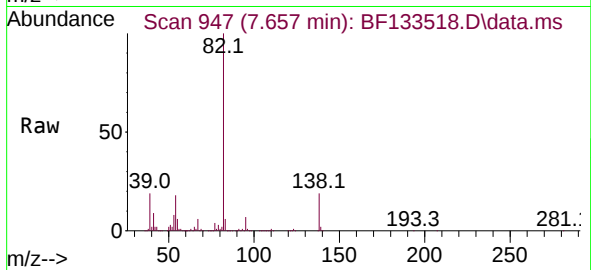
Tgt Ion: 77 Resp: 399597  
Ion Ratio Lower Upper  
77 100  
123 42.9 35.8 53.8  
65 14.6 11.8 17.8





#25  
Isophorone  
Concen: 41.357 ng  
RT: 7.657 min Scan# 948  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

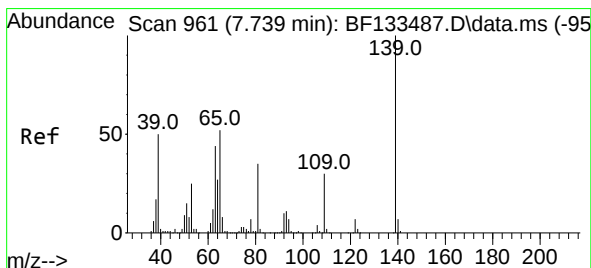
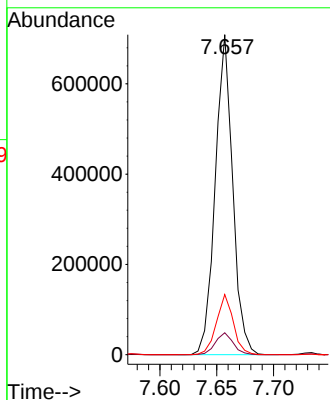
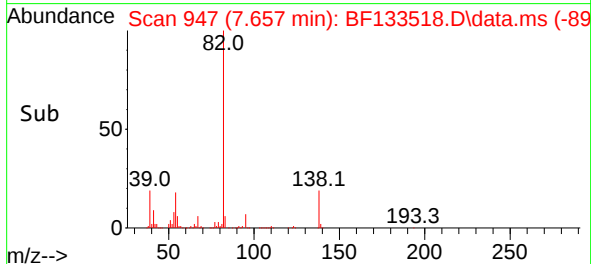
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



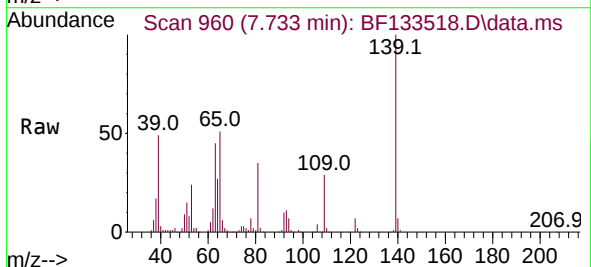
Tgt Ion: 82 Resp: 758679  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.7 8.5  
138 18.8 14.2 21.4

Manual Integrations  
APPROVED

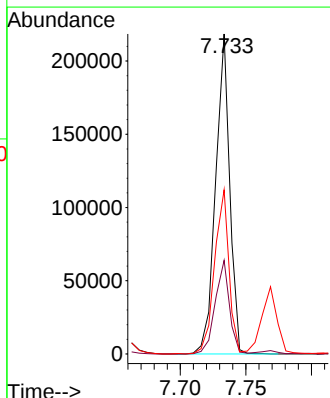
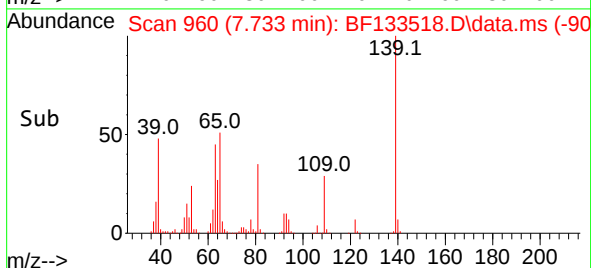
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

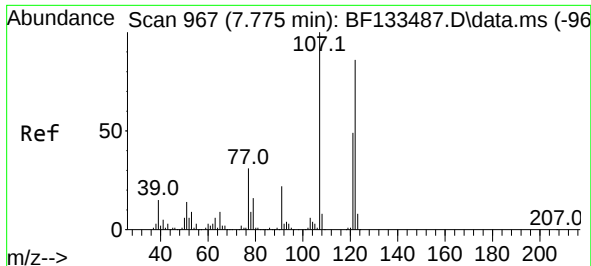


#26  
2-Nitrophenol  
Concen: 42.961 ng  
RT: 7.733 min Scan# 960  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:139 Resp: 162979  
Ion Ratio Lower Upper  
139 100  
109 29.3 24.0 36.0  
65 51.3 41.7 62.5





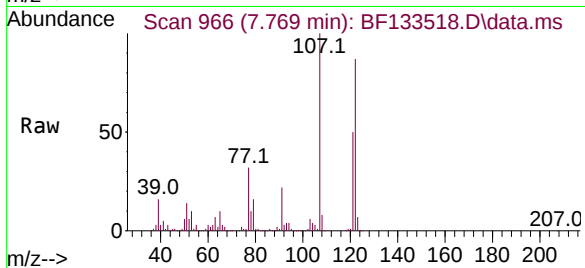
#27  
2,4-Dimethylphenol  
Concen: 43.541 ng  
RT: 7.769 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

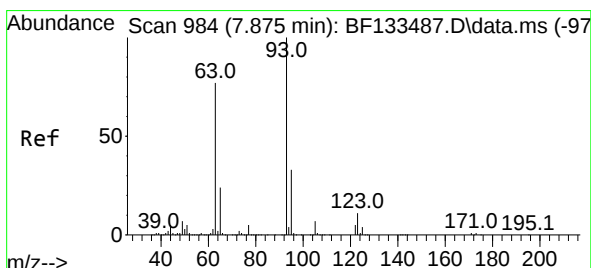
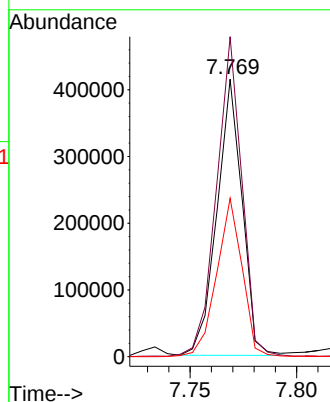
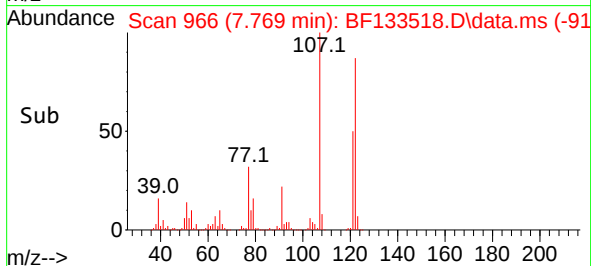


Tgt Ion:122 Resp: 33984  
Ion Ratio Lower Upper  
122 100  
107 115.3 93.4 140.0  
121 57.1 45.6 68.4

Manual Integrations

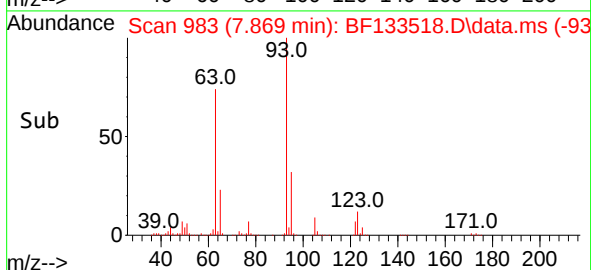
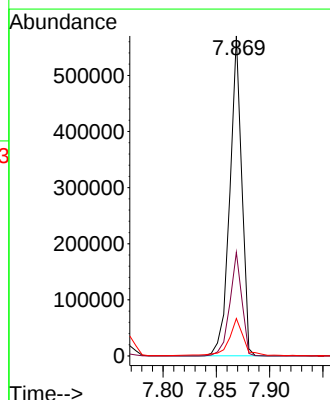
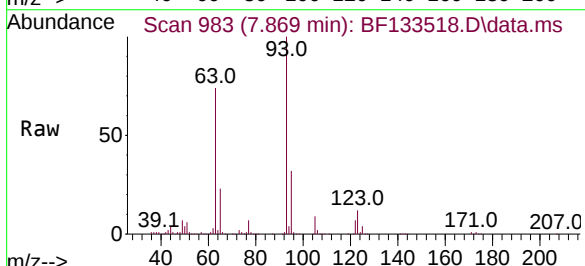
APPROVED

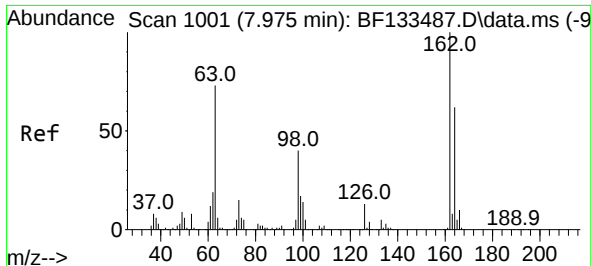
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.617 ng  
RT: 7.869 min Scan# 983  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion: 93 Resp: 442696  
Ion Ratio Lower Upper  
93 100  
95 32.4 26.8 40.2  
123 11.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 44.355 ng

RT: 7.975 min Scan# 1001

Delta R.T. -0.000 min

Lab File: BF133518.D

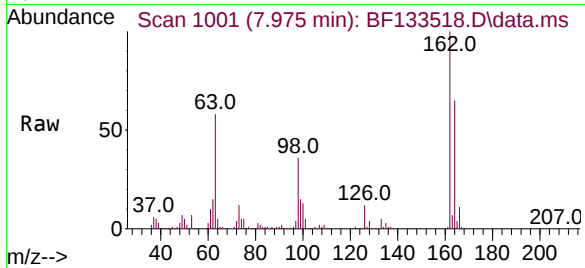
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS



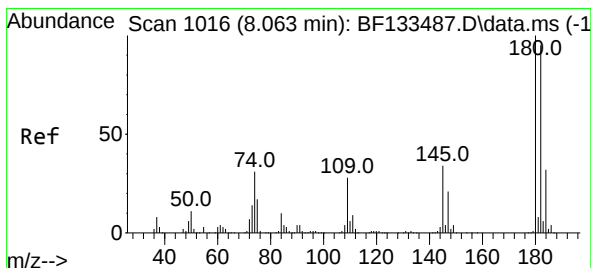
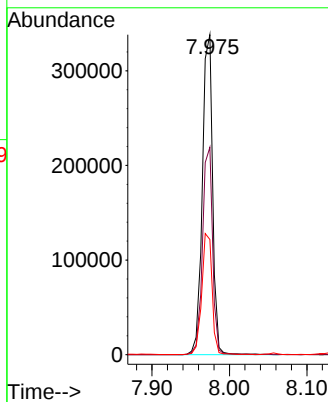
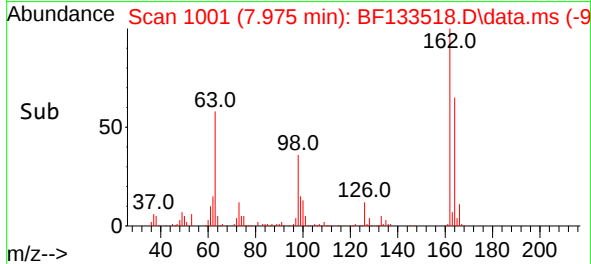
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 31147 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 64.8  | 42.2  | 82.2  |
| 98        | 36.0  | 19.7  | 59.7  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#30

1,2,4-Trichlorobenzene

Concen: 43.367 ng

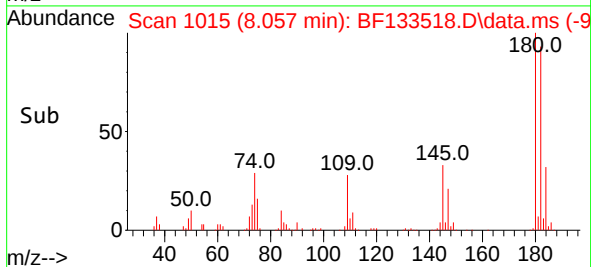
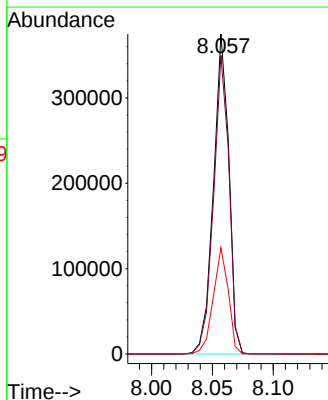
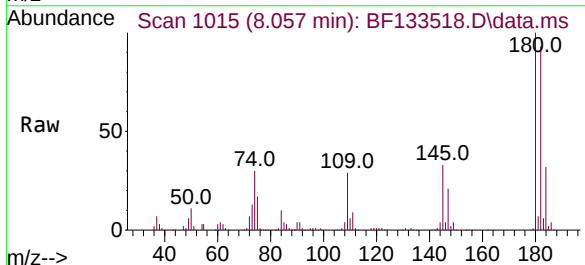
RT: 8.057 min Scan# 1015

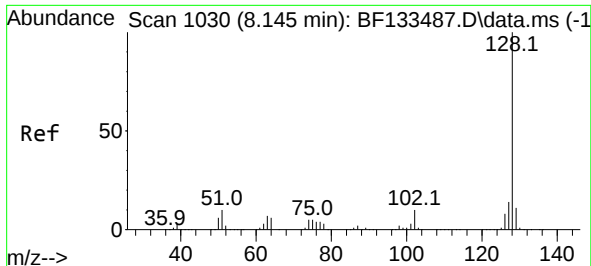
Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

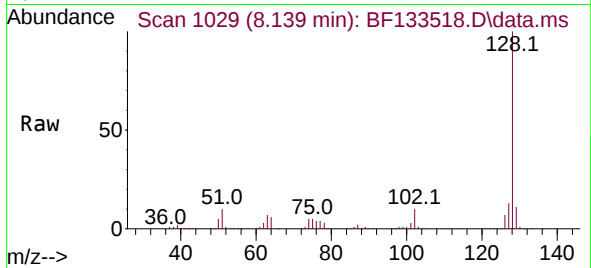
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 329397 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 93.3  | 76.1  | 114.1  |
| 145       | 33.2  | 27.0  | 40.4   |





#31  
Naphthalene  
Concen: 42.276 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

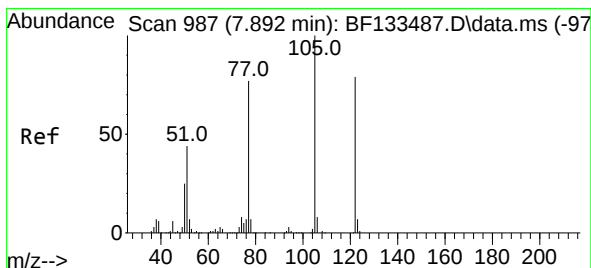
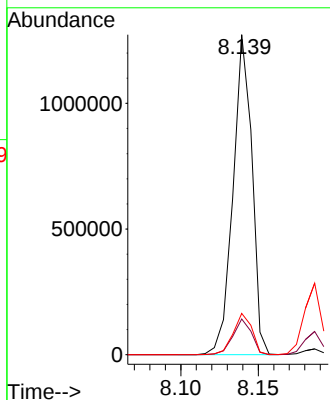
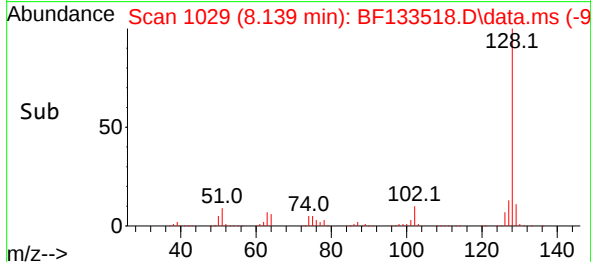
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



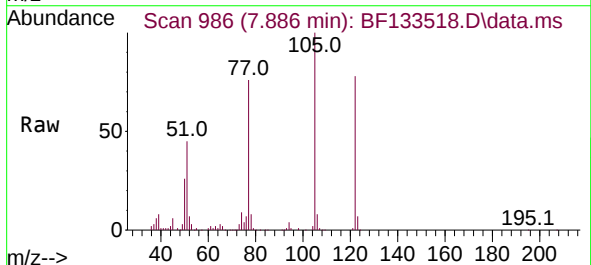
Tgt Ion:128 Resp: 1077148  
Ion Ratio Lower Upper  
128 100  
129 11.2 9.2 13.8  
127 12.9 10.9 16.3

Manual Integrations  
APPROVED

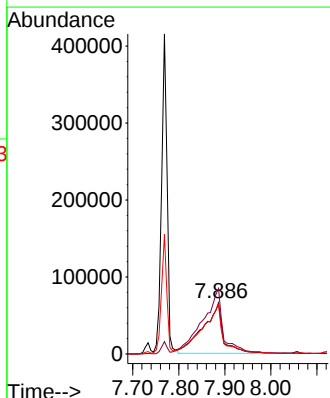
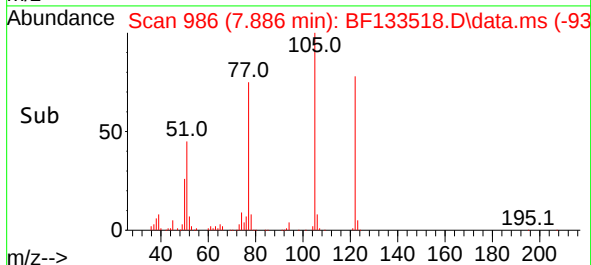
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

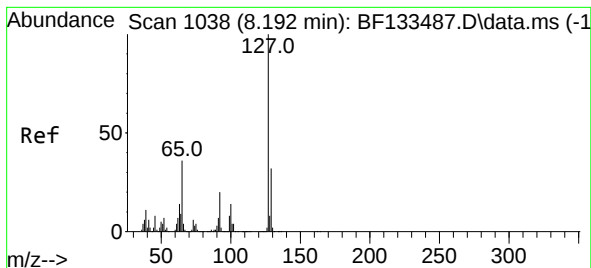


#32  
Benzoic acid  
Concen: 40.867 ng  
RT: 7.886 min Scan# 986  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:122 Resp: 203481  
Ion Ratio Lower Upper  
122 100  
105 128.2 103.3 143.3  
77 97.0 75.7 115.7





#33

4-Chloroaniline

Concen: 20.752 ng

RT: 8.186 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF133518.D

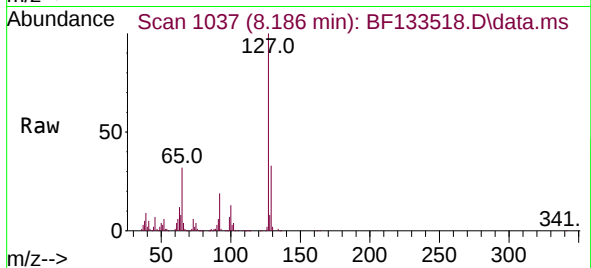
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS



Tgt Ion:127 Resp: 226610

Ion Ratio Lower Upper

127 100

129 32.5 25.9 38.9

65 32.0 29.0 43.6

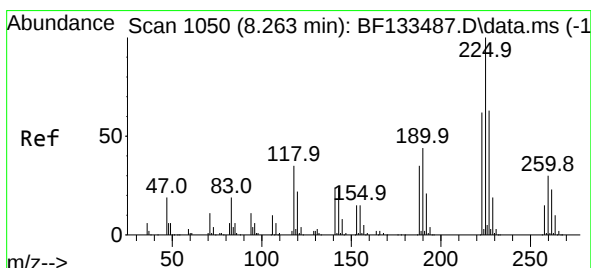
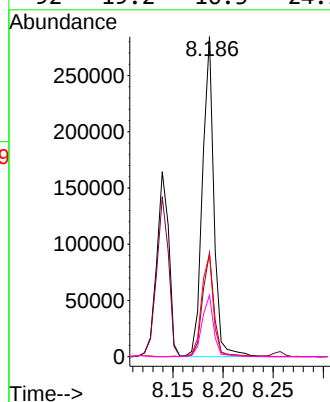
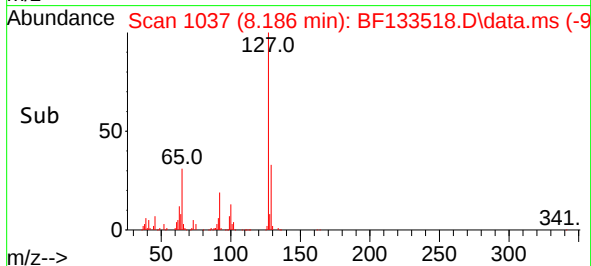
92 19.2 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#34

Hexachlorobutadiene

Concen: 41.621 ng

RT: 8.257 min Scan# 1049

Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

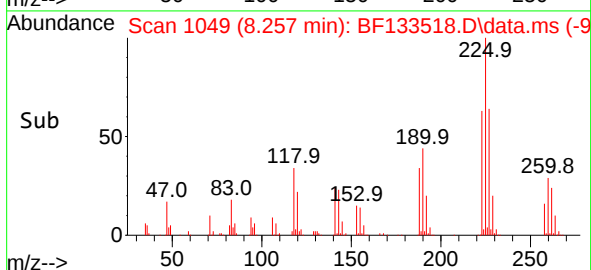
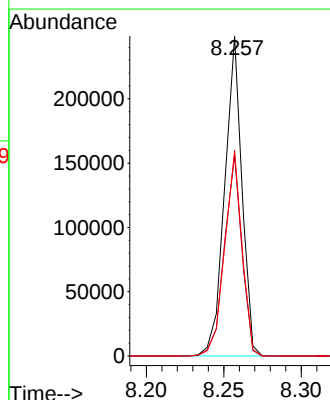
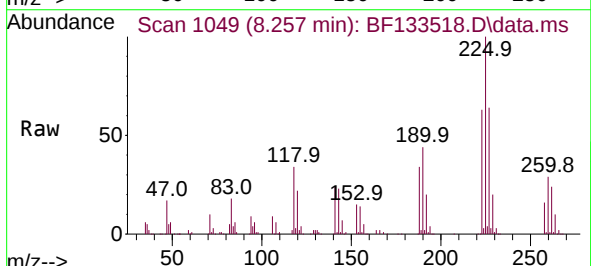
Tgt Ion:225 Resp: 192301

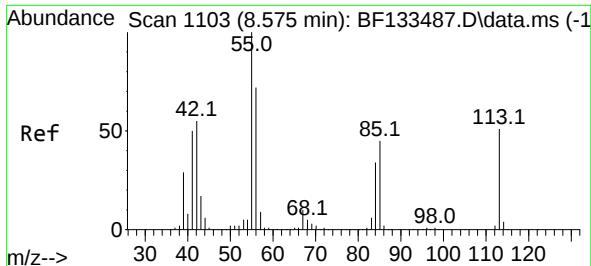
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.8

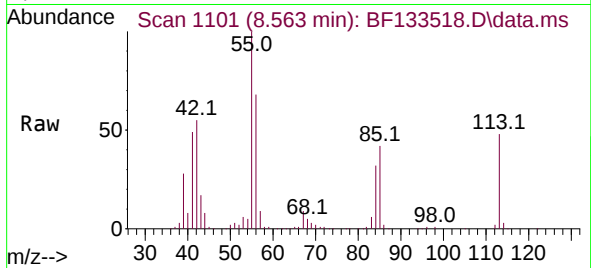
227 64.2 50.2 75.4





#35  
 Caprolactam  
 Concen: 48.766 ng m  
 RT: 8.563 min Scan# 1103  
 Delta R.T. -0.000 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

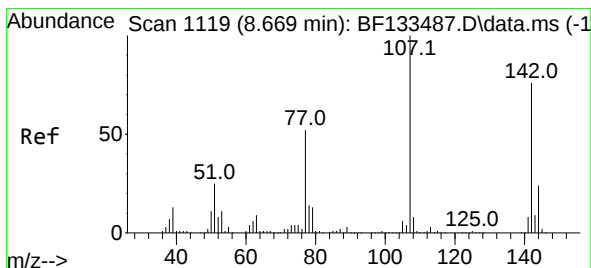
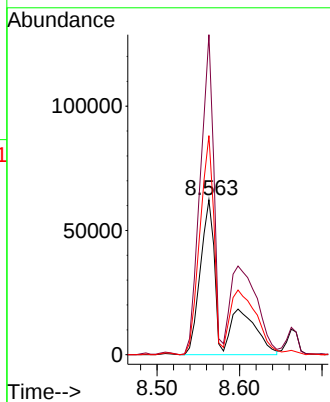
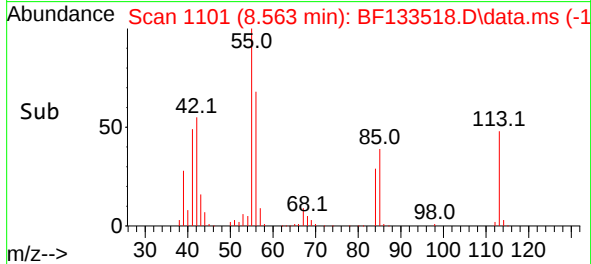
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB153070BS



Tgt Ion:113 Resp: 112308  
 Ion Ratio Lower Upper  
 113 100  
 55 206.5 177.5 217.5  
 56 141.4 122.3 162.3

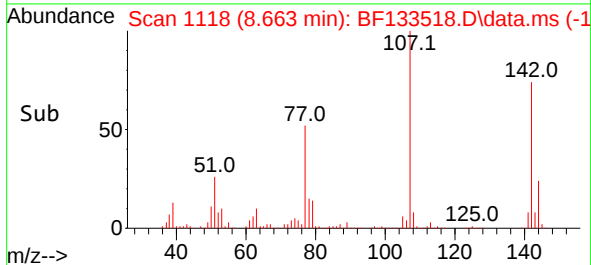
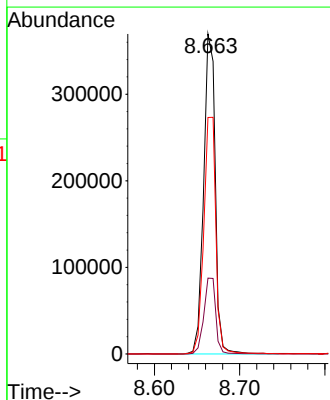
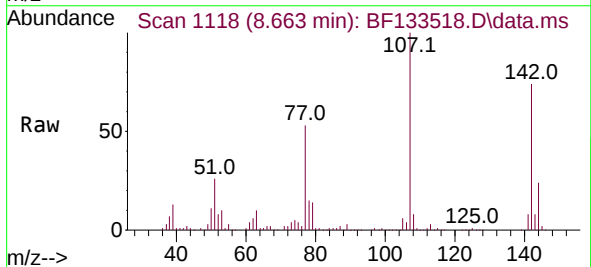
Manual Integrations  
 APPROVED

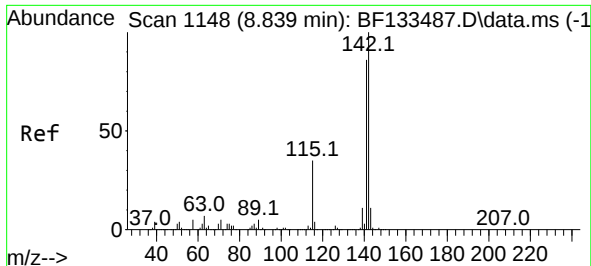
Reviewed By :Christian Giraldo 05/31/2023  
 Supervised By :Yogesh Patel 06/01/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 44.374 ng  
 RT: 8.663 min Scan# 1118  
 Delta R.T. -0.000 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

Tgt Ion:107 Resp: 349054  
 Ion Ratio Lower Upper  
 107 100  
 144 23.7 19.4 29.0  
 142 73.9 60.5 90.7





#37  
2-Methylnaphthalene  
Concen: 40.650 ng  
RT: 8.833 min Scan# 1147  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

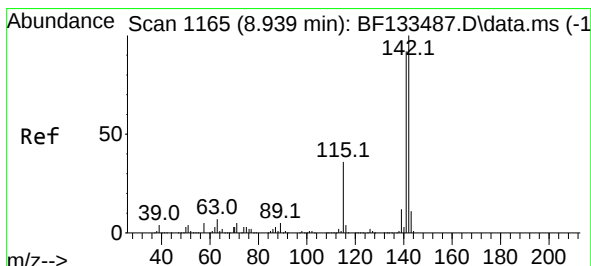
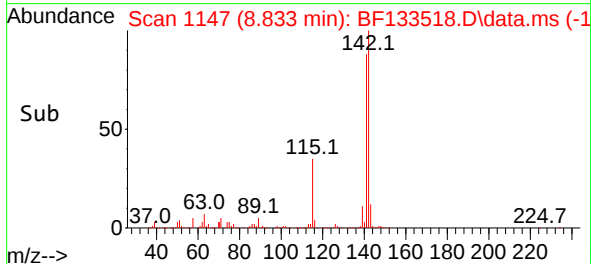
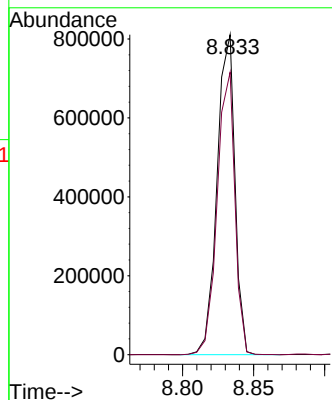
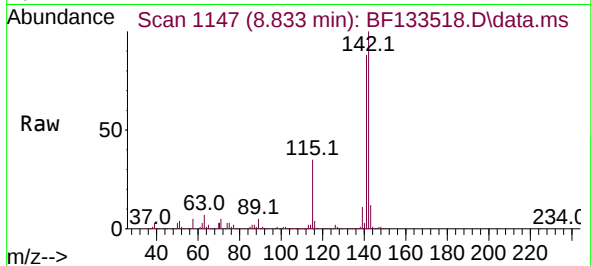
ClientSampleId :

PB153070BS

Tgt Ion:142 Resp: 70716  
Ion Ratio Lower Upper  
142 100  
141 88.3 69.2 103.8

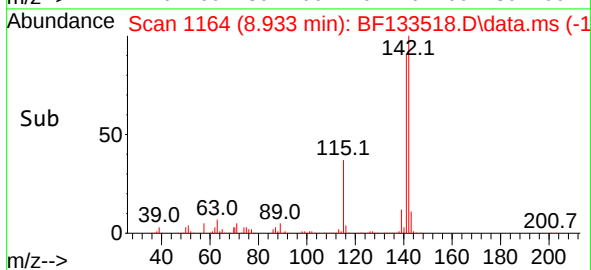
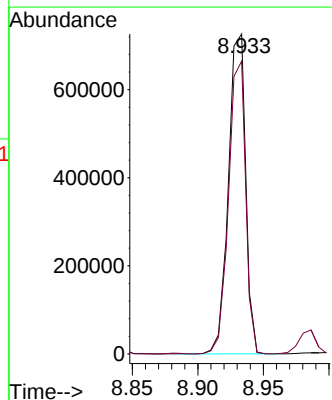
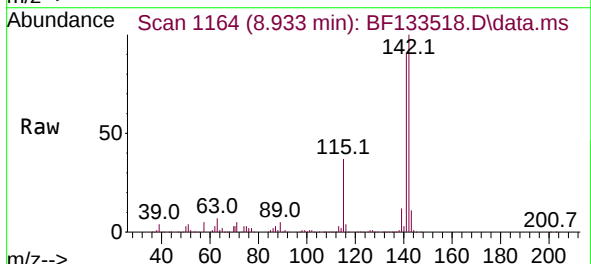
Manual Integrations  
APPROVED

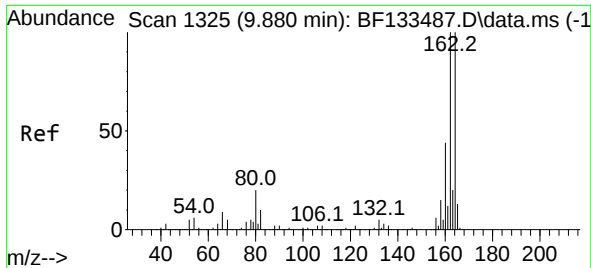
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#38  
1-Methylnaphthalene  
Concen: 40.991 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:142 Resp: 664731  
Ion Ratio Lower Upper  
142 100  
141 91.5 73.6 110.4





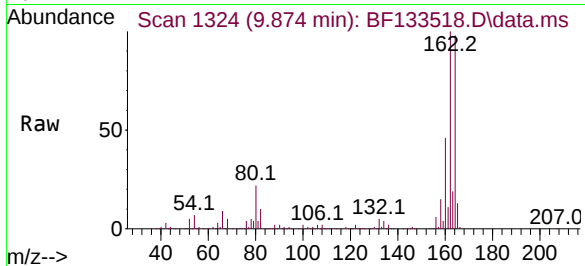
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.874 min Scan# 1175  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

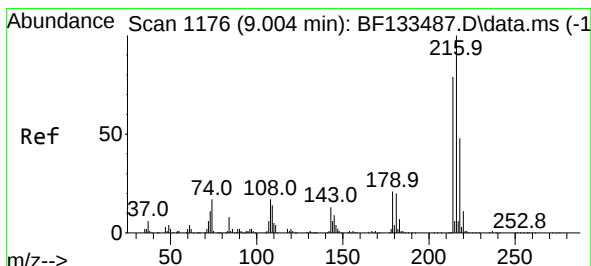
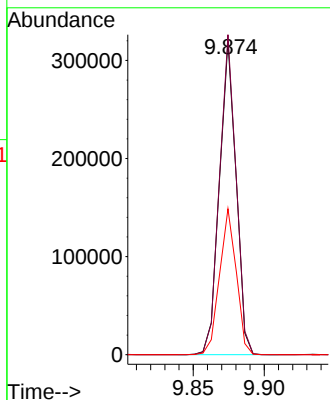
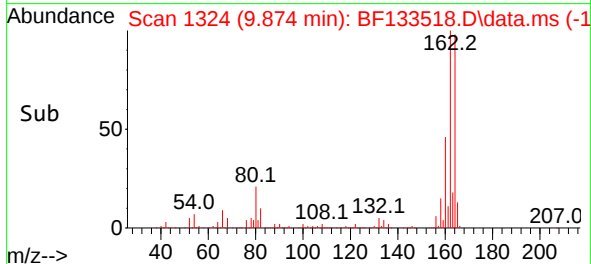


Tgt Ion:164 Resp: 26001  
Ion Ratio Lower Upper  
164 100  
162 102.1 79.7 119.5  
160 46.6 35.4 53.0

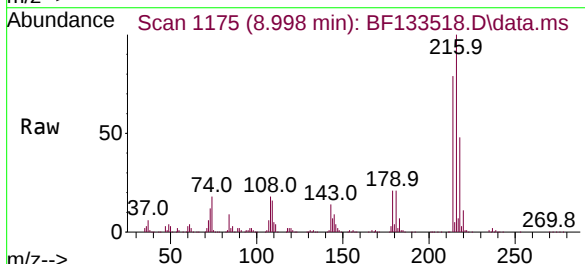
Manual Integrations

APPROVED

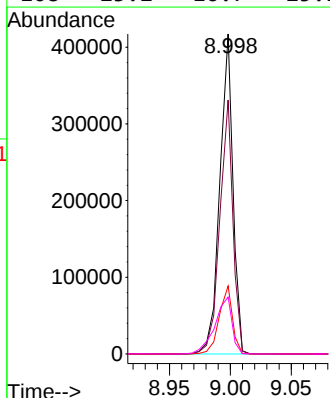
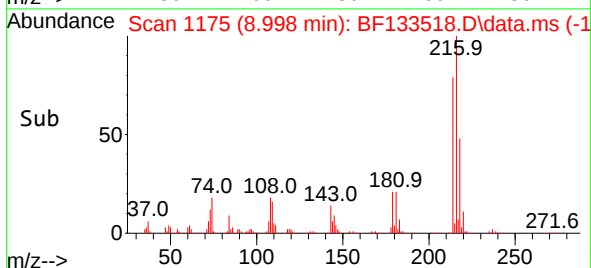
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

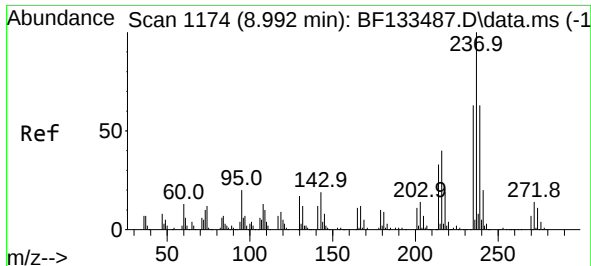


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 40.747 ng  
RT: 8.998 min Scan# 1175  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:216 Resp: 314016  
Ion Ratio Lower Upper  
216 100  
214 79.3 63.2 94.8  
179 21.4 17.3 25.9  
108 23.2 16.7 25.1





#41  
Hexachlorocyclopentadiene  
Concen: 95.115 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

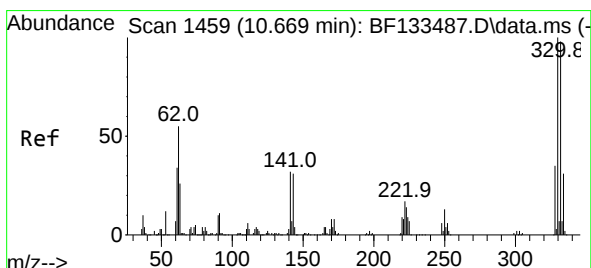
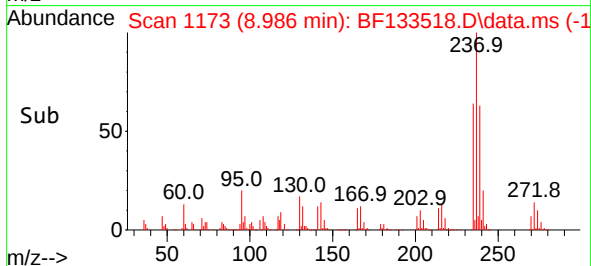
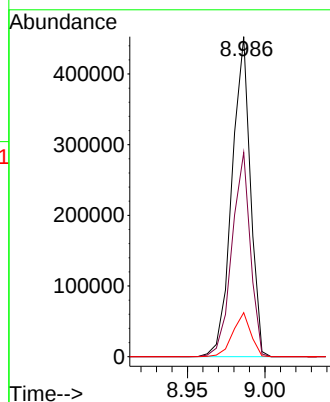
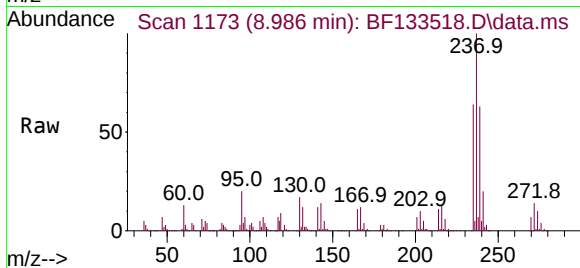
PB153070BS

Tgt Ion:237 Resp: 375630  
Ion Ratio Lower Upper  
237 100  
235 63.8 43.0 83.0  
272 13.8 0.0 33.5

Manual Integrations

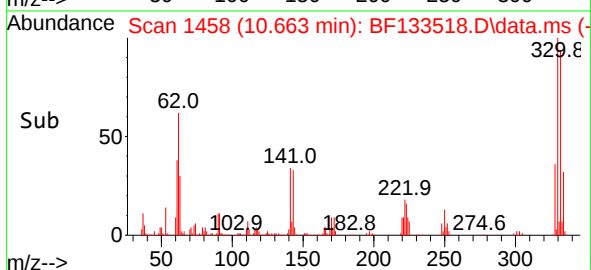
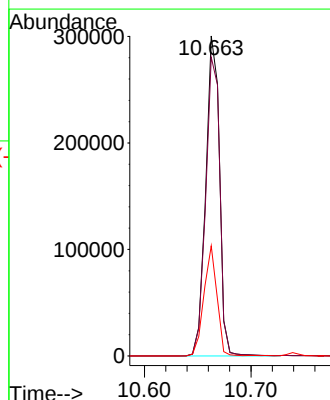
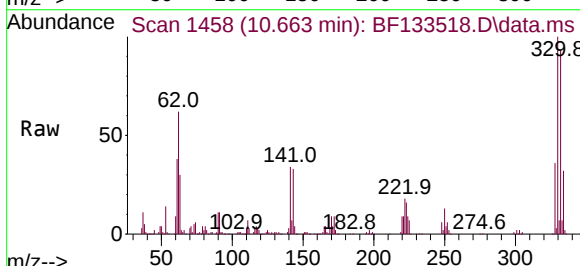
APPROVED

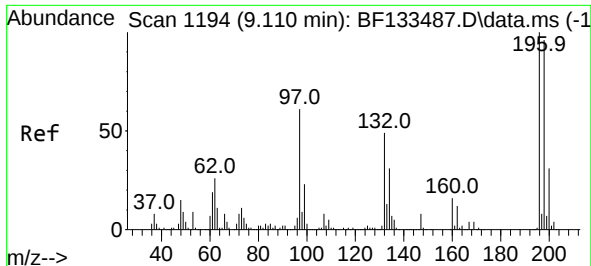
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#42  
2,4,6-Tribromophenol  
Concen: 104.363 ng  
RT: 10.663 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:330 Resp: 270492  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.8 116.6  
141 32.7 26.6 40.0





#43

2,4,6-Trichlorophenol

Concen: 45.233 ng

RT: 9.104 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

Tgt Ion:196 Resp: 223052

Ion Ratio Lower Upper

196 100

198 90.3 76.6 115.0

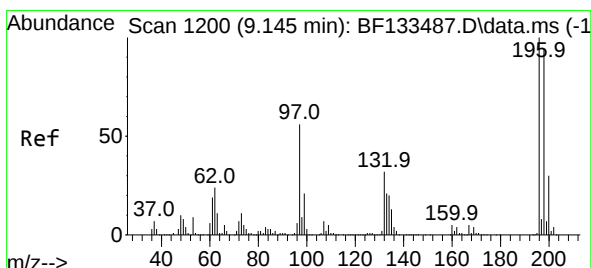
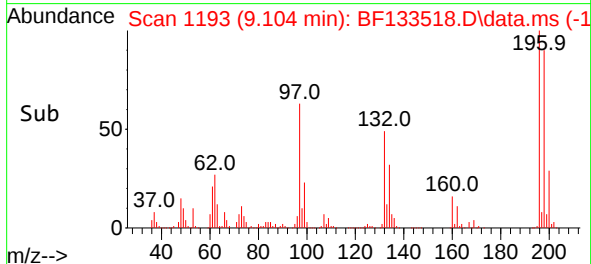
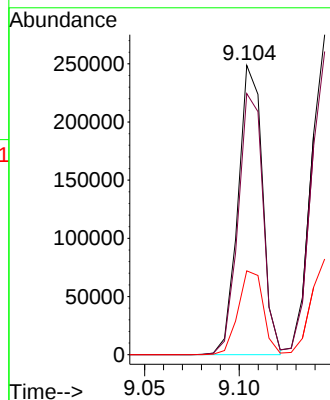
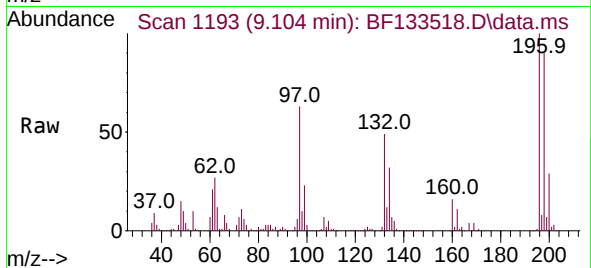
200 29.0 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#44

2,4,5-Trichlorophenol

Concen: 42.117 ng

RT: 9.145 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Tgt Ion:196 Resp: 241065

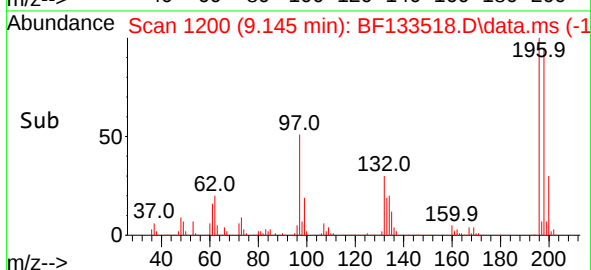
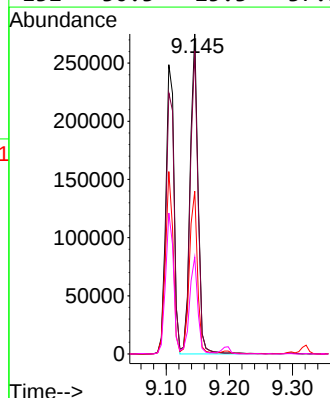
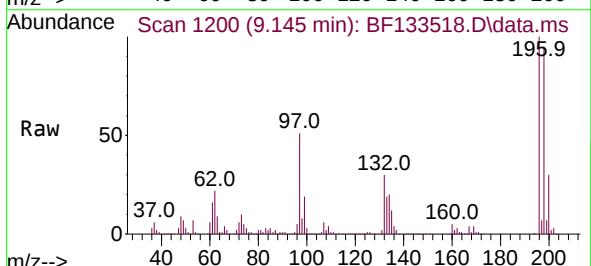
Ion Ratio Lower Upper

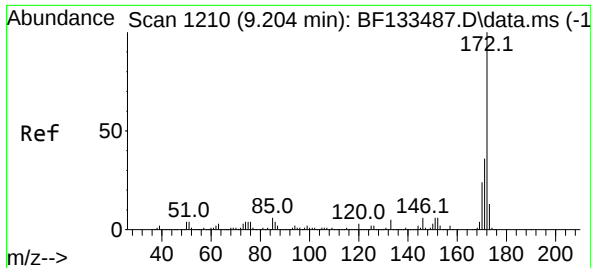
196 100

198 94.8 75.3 112.9

97 50.9 44.9 67.3

132 30.3 25.3 37.9





#45  
2-Fluorobiphenyl  
Concen: 68.117 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

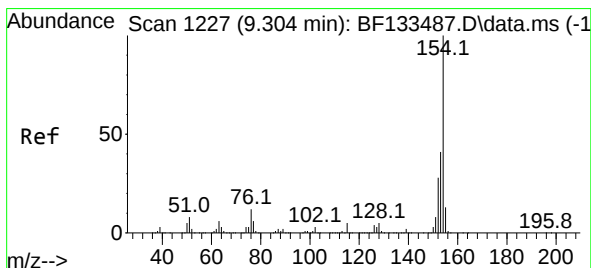
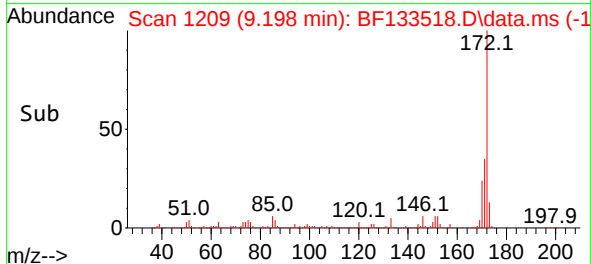
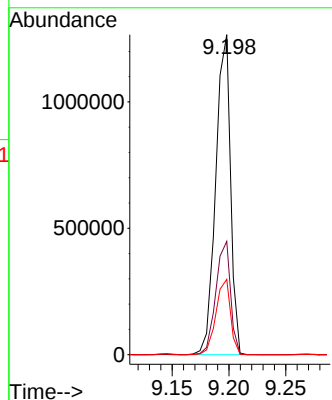
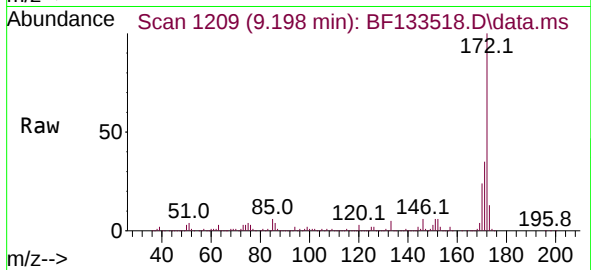
ClientSampleId :

PB153070BS

Tgt Ion:172 Resp: 114752  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.4 42.6  
170 23.6 19.3 28.9

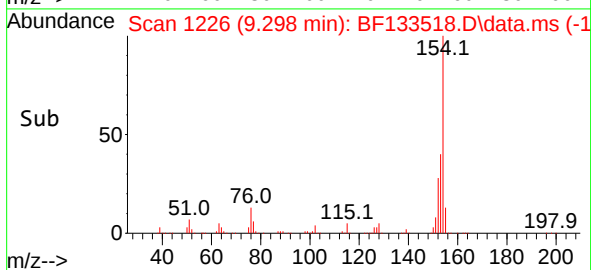
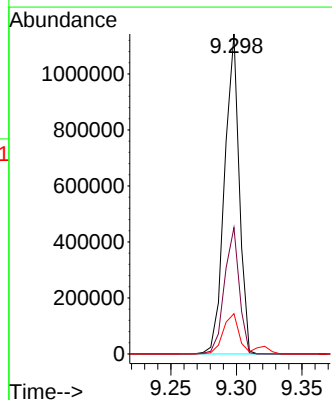
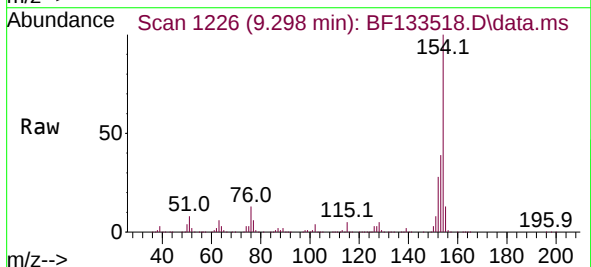
Manual Integrations  
APPROVED

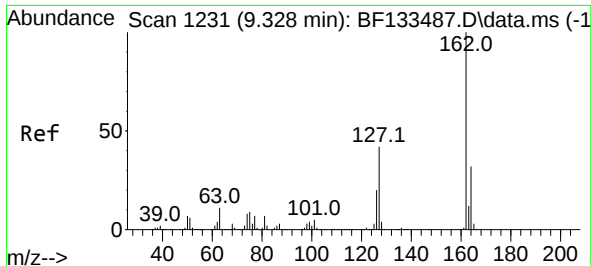
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#46  
1,1'-Biphenyl  
Concen: 41.924 ng  
RT: 9.298 min Scan# 1226  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:154 Resp: 885633  
Ion Ratio Lower Upper  
154 100  
153 39.5 21.0 61.0  
76 12.6 0.0 32.5





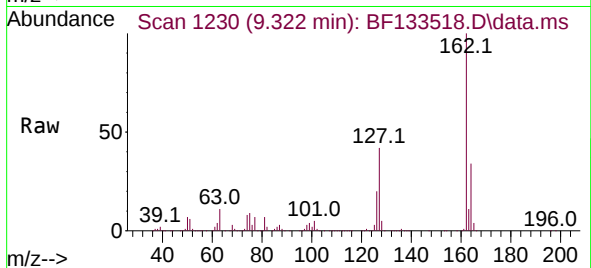
#47  
2-Chloronaphthalene  
Concen: 42.324 ng  
RT: 9.322 min Scan# 1231  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

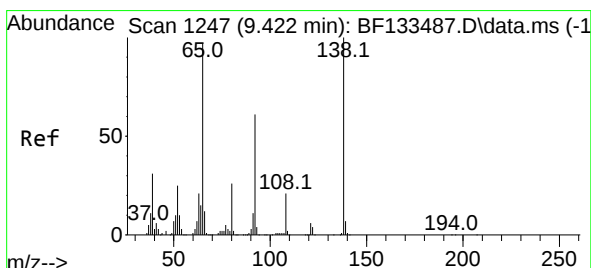
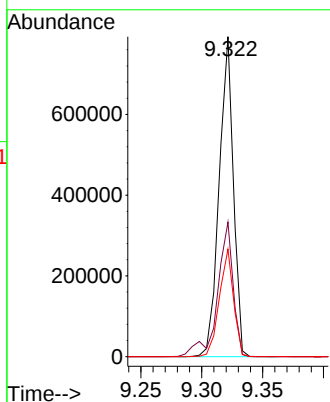
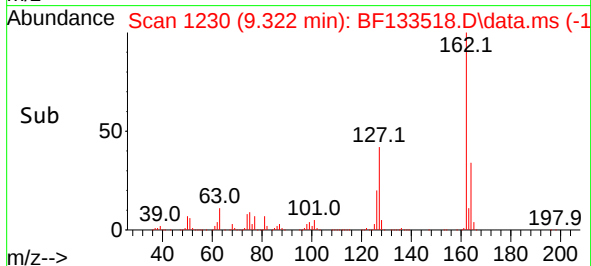


Tgt Ion:162 Resp: 64798  
Ion Ratio Lower Upper  
162 100  
127 42.1 33.2 49.8  
164 33.6 26.0 39.0

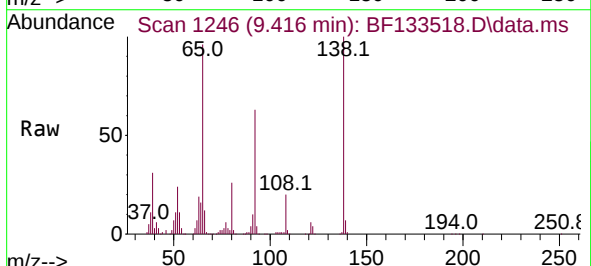
Manual Integrations

APPROVED

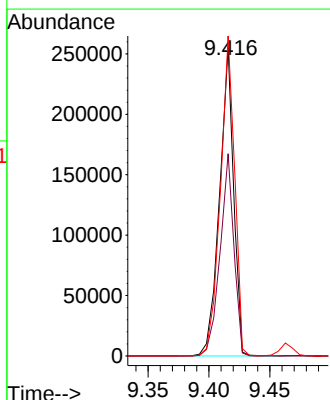
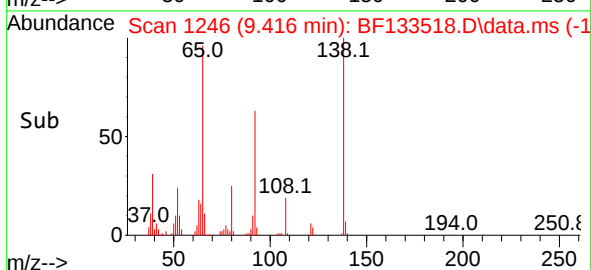
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

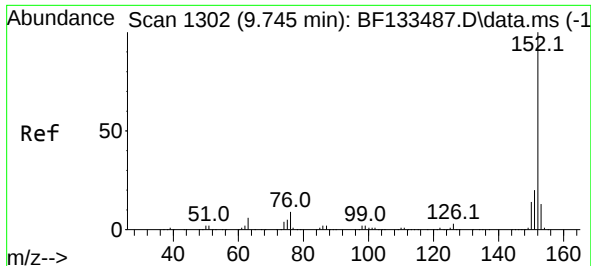


#48  
2-Nitroaniline  
Concen: 42.461 ng  
RT: 9.416 min Scan# 1246  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion: 65 Resp: 206247  
Ion Ratio Lower Upper  
65 100  
92 65.6 50.8 76.2  
138 103.7 82.6 124.0





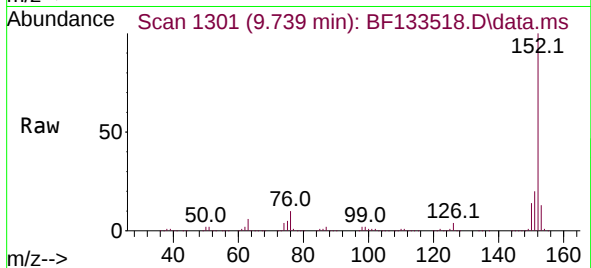
#49  
Acenaphthylene  
Concen: 42.191 ng  
RT: 9.739 min Scan# 1102318  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

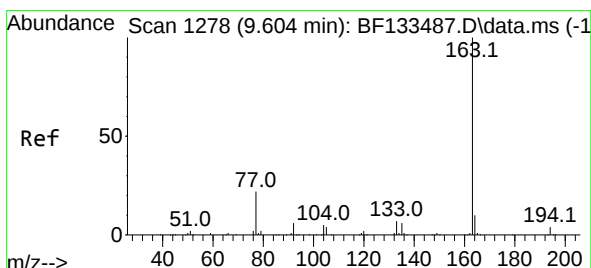
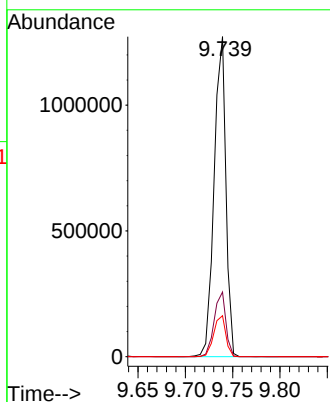
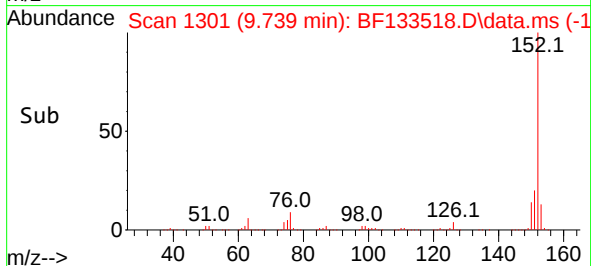


Tgt Ion:152 Resp: 1102318  
Ion Ratio Lower Upper  
152 100  
151 20.2 16.0 24.0  
153 12.8 10.4 15.6

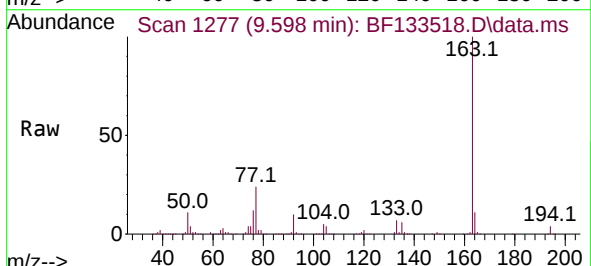
Manual Integrations

APPROVED

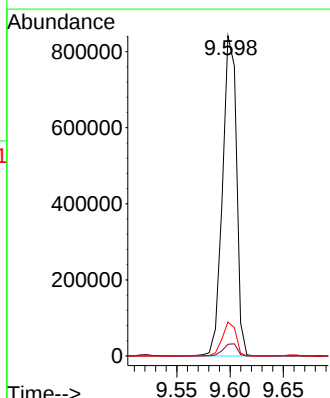
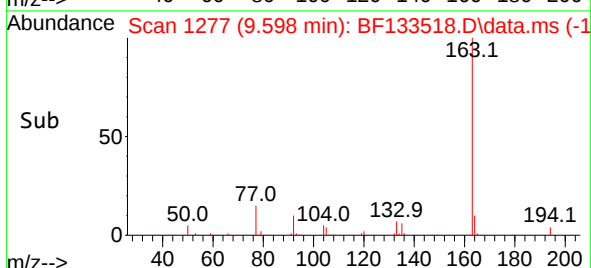
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

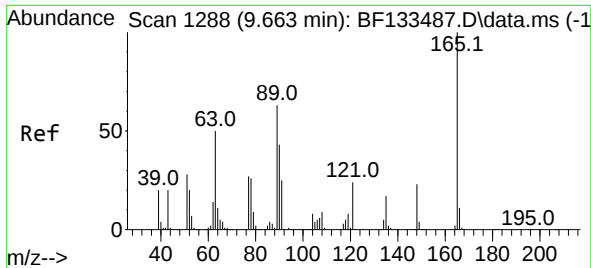


#50  
Dimethylphthalate  
Concen: 41.863 ng  
RT: 9.598 min Scan# 1277  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:163 Resp: 765027  
Ion Ratio Lower Upper  
163 100  
194 3.6 3.0 4.6  
164 10.6 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 44.902 ng  
RT: 9.657 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

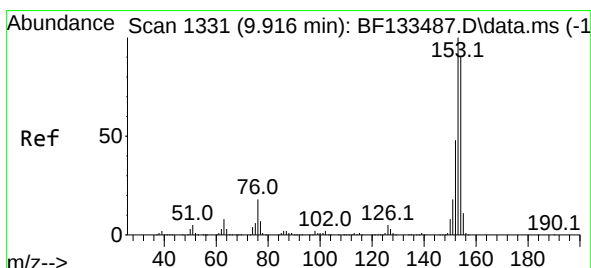
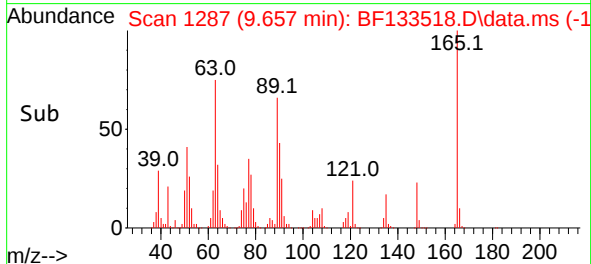
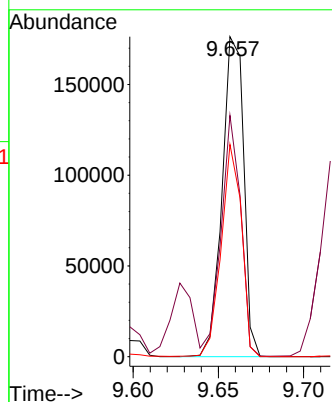
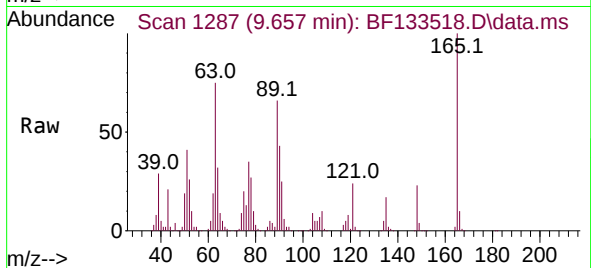
PB153070BS

Tgt Ion:165 Resp: 15512  
Ion Ratio Lower Upper  
165 100  
63 75.4 57.0 85.4  
89 66.3 50.8 76.2

Manual Integrations

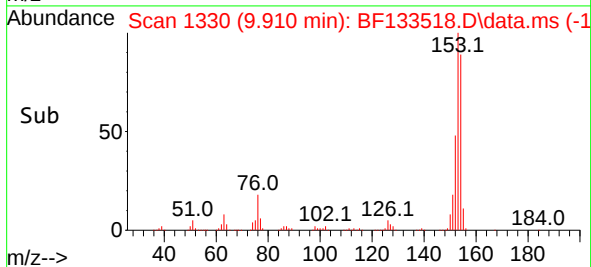
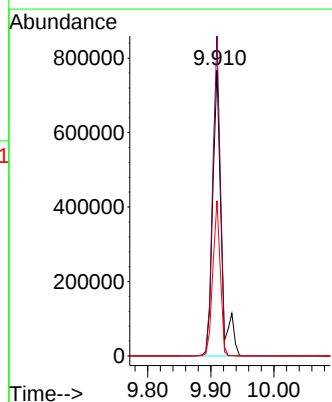
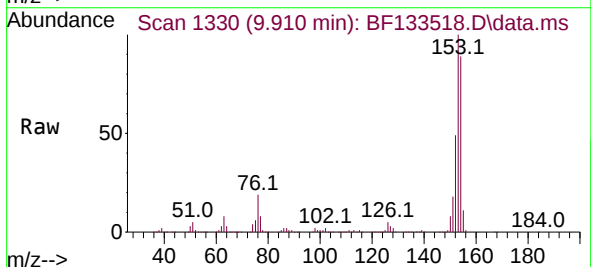
APPROVED

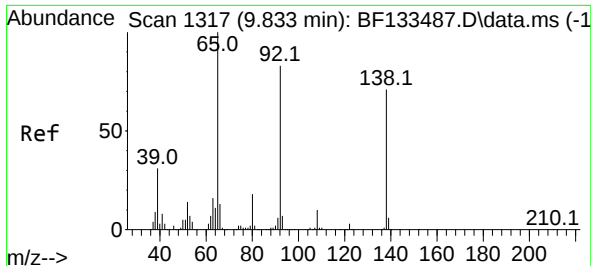
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#52  
Acenaphthene  
Concen: 45.701 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:154 Resp: 723281  
Ion Ratio Lower Upper  
154 100  
153 112.0 89.2 133.8  
152 54.3 43.1 64.7





#53  
3-Nitroaniline  
Concen: 33.233 ng  
RT: 9.827 min Scan# 1316  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

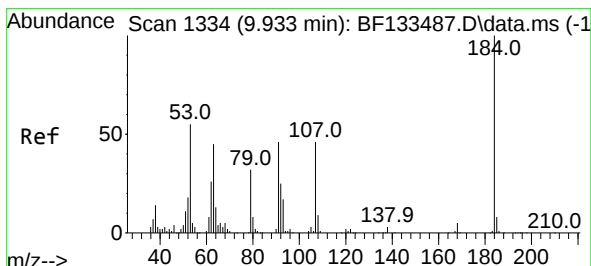
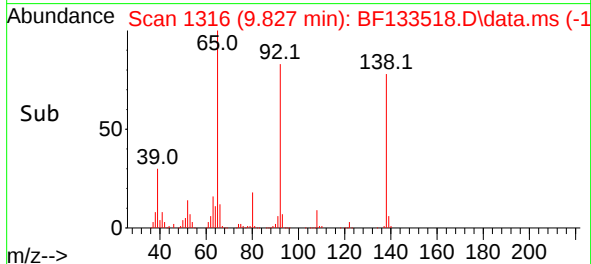
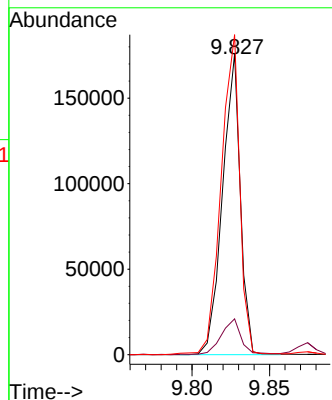
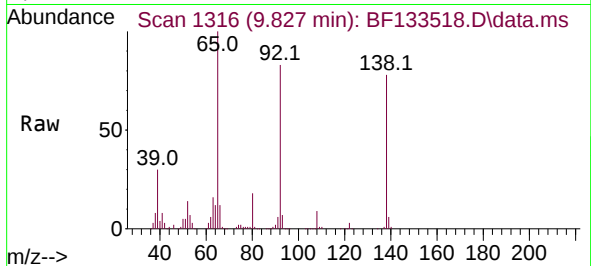
PB153070BS

Tgt Ion:138 Resp: 140197  
Ion Ratio Lower Upper  
138 100  
108 11.9 11.9 17.9  
92 106.3 93.1 139.7

Manual Integrations

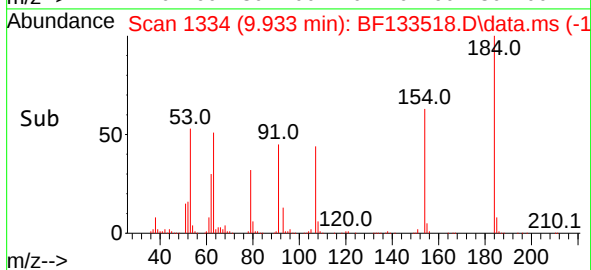
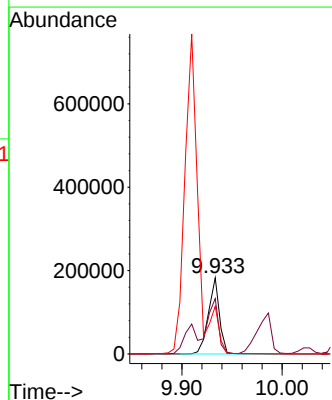
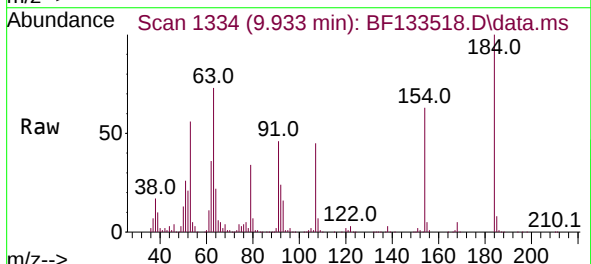
APPROVED

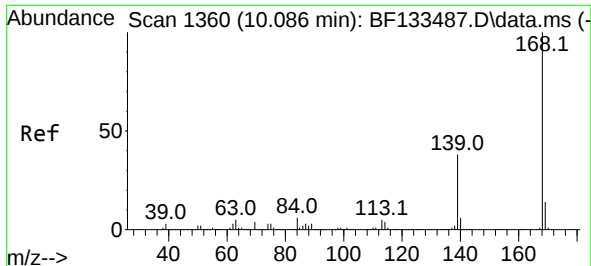
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#54  
2,4-Dinitrophenol  
Concen: 80.152 ng  
RT: 9.933 min Scan# 1334  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:184 Resp: 141347  
Ion Ratio Lower Upper  
184 100  
63 72.8 55.7 83.5  
154 62.7 49.3 73.9





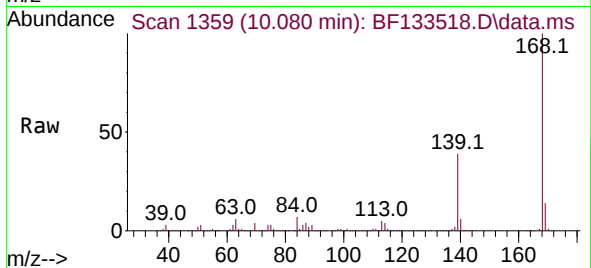
#55  
Dibenzenofuran  
Concen: 41.721 ng  
RT: 10.080 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

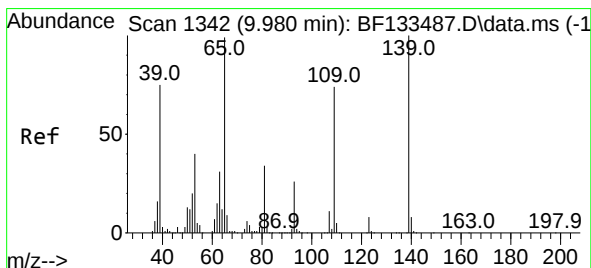
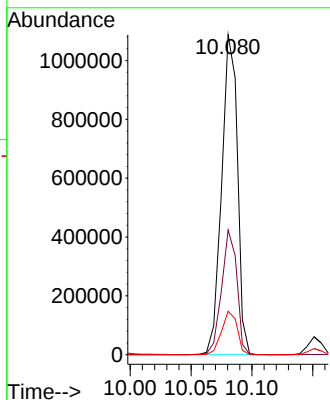
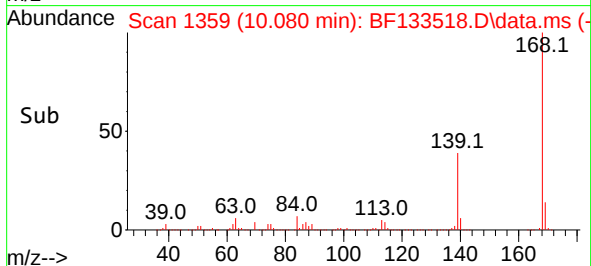


Tgt Ion:168 Resp: 982368  
Ion Ratio Lower Upper  
168 100  
139 38.9 30.6 46.0  
169 13.5 10.9 16.3

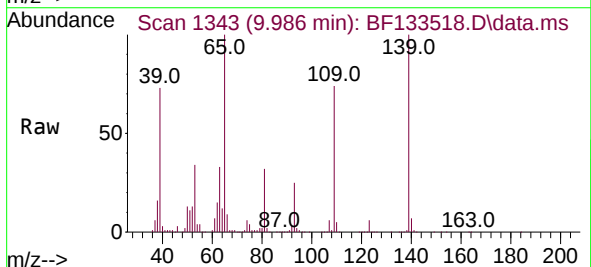
Manual Integrations

APPROVED

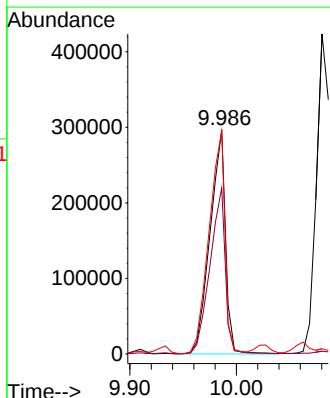
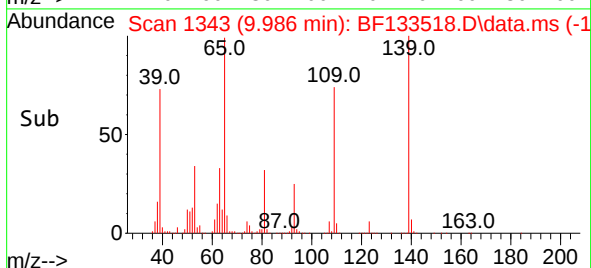
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

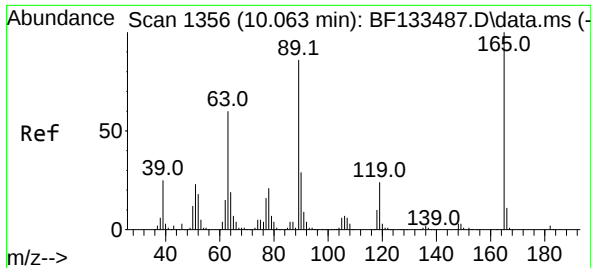


#56  
4-Nitrophenol  
Concen: 95.450 ng  
RT: 9.986 min Scan# 1343  
Delta R.T. 0.011 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:139 Resp: 298432  
Ion Ratio Lower Upper  
139 100  
109 74.1 54.5 94.5  
65 99.5 79.5 119.5





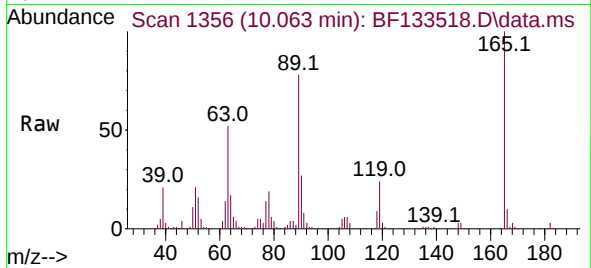
#57  
2,4-Dinitrotoluene  
Concen: 47.486 ng  
RT: 10.063 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

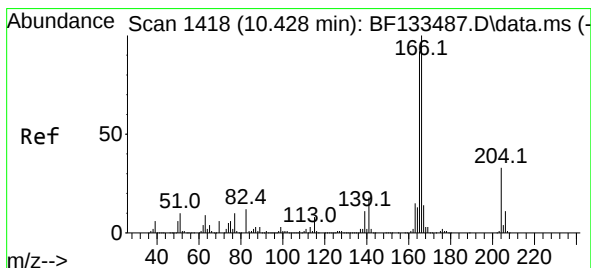
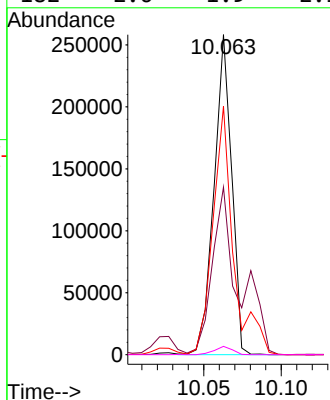
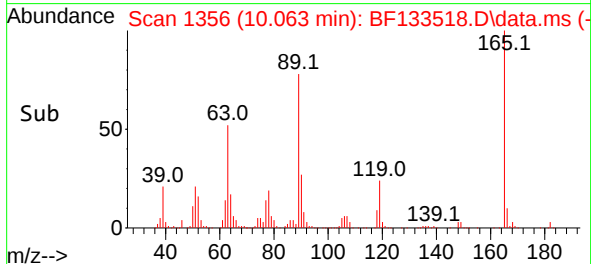


Tgt Ion:165 Resp: 20453  
Ion Ratio Lower Upper  
165 100  
63 52.3 48.1 72.1  
89 77.7 68.4 102.6  
182 2.6 1.9 2.9

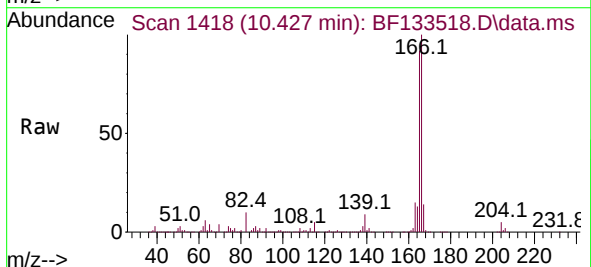
Manual Integrations

APPROVED

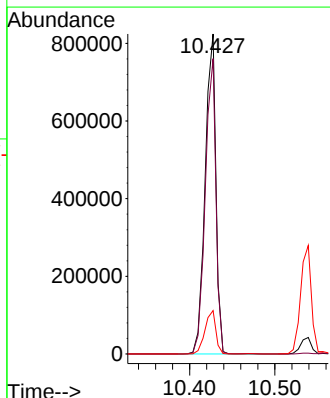
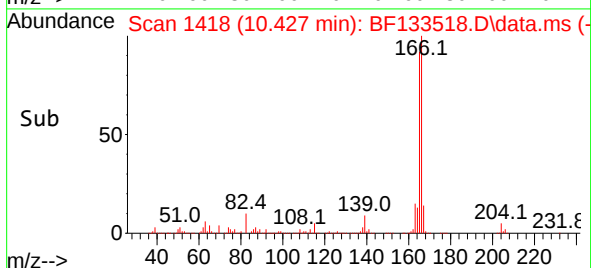
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

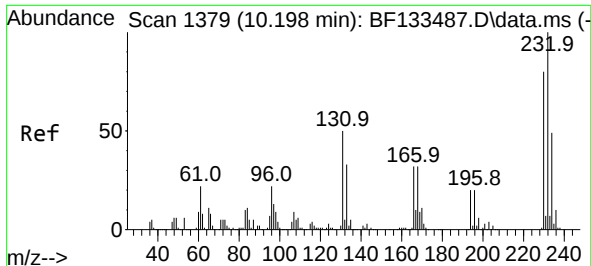


#58  
Fluorene  
Concen: 41.613 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



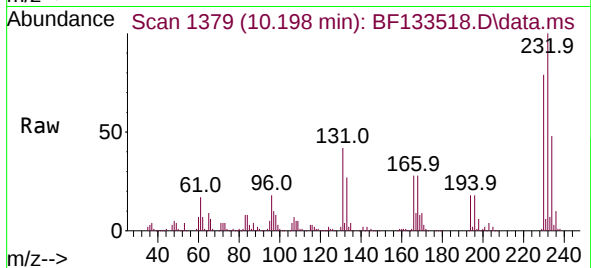
Tgt Ion:166 Resp: 717874  
Ion Ratio Lower Upper  
166 100  
165 92.3 73.4 110.0  
167 13.6 10.9 16.3





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.698 ng  
RT: 10.198 min Scan# 1379  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

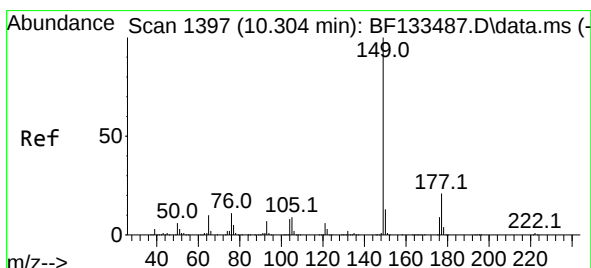
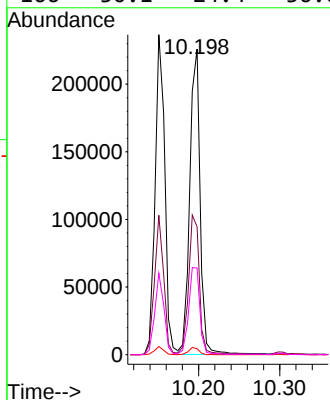
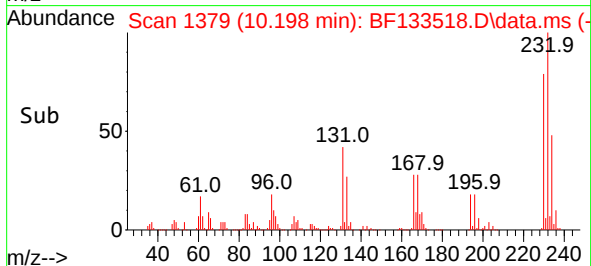
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



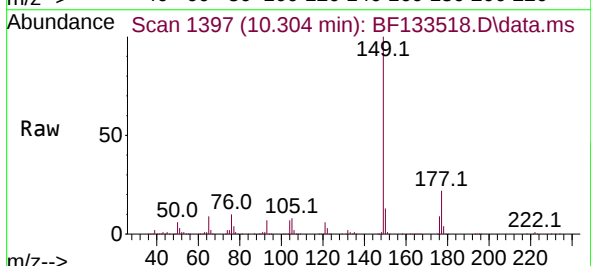
Tgt Ion:232 Resp: 201295  
Ion Ratio Lower Upper  
232 100  
131 47.0 37.9 56.9  
130 2.3 1.8 2.6  
166 30.1 24.4 36.6

Manual Integrations  
APPROVED

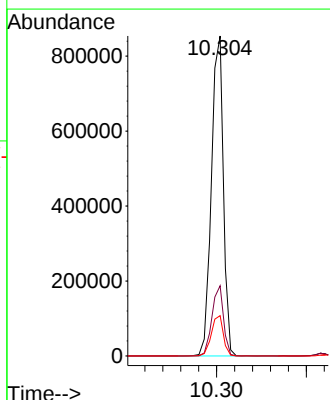
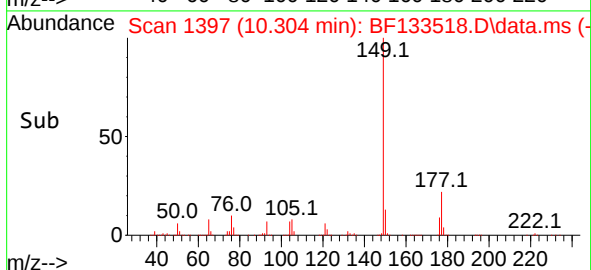
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

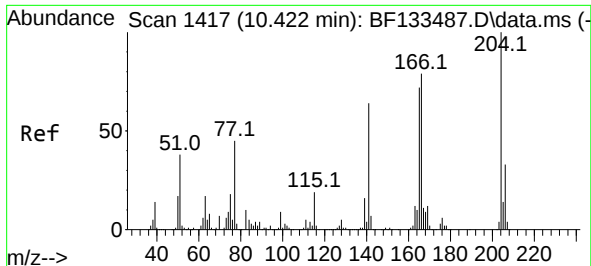


#60  
Diethylphthalate  
Concen: 41.530 ng  
RT: 10.304 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



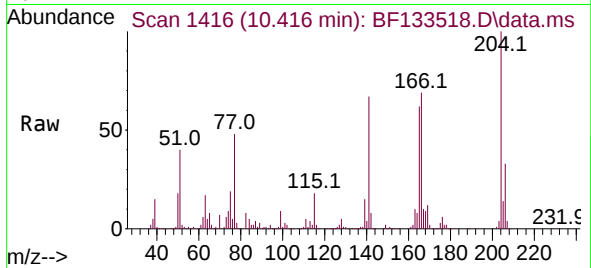
Tgt Ion:149 Resp: 787850  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.1 25.7  
150 12.6 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 40.745 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

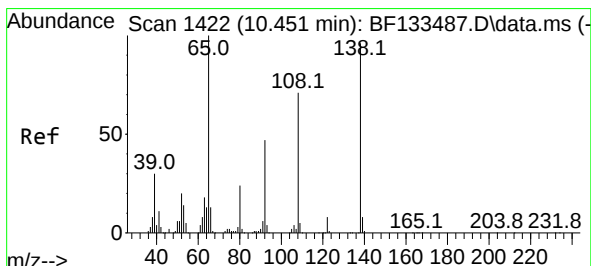
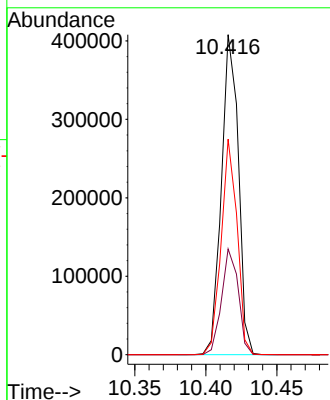
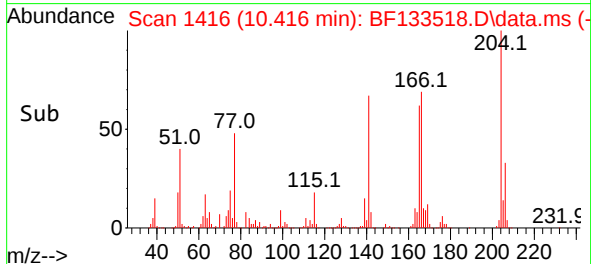
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



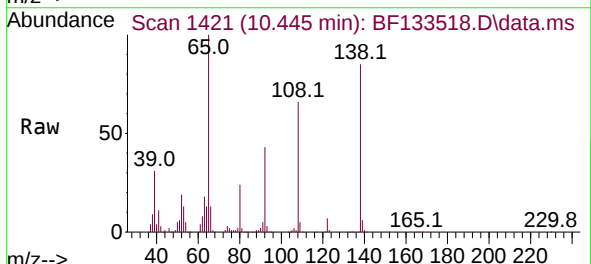
Tgt Ion:204 Resp: 337500  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.2 39.2  
141 67.4 51.4 77.2

Manual Integrations  
APPROVED

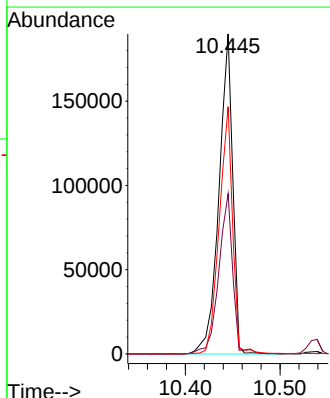
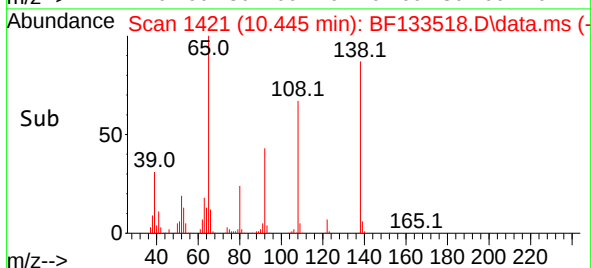
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

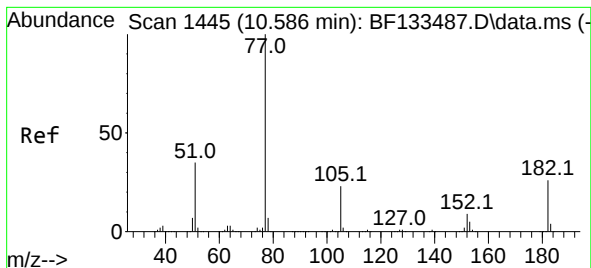


#62  
4-Nitroaniline  
Concen: 44.010 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:138 Resp: 192016  
Ion Ratio Lower Upper  
138 100  
92 50.1 28.4 68.4  
108 77.3 54.2 94.2





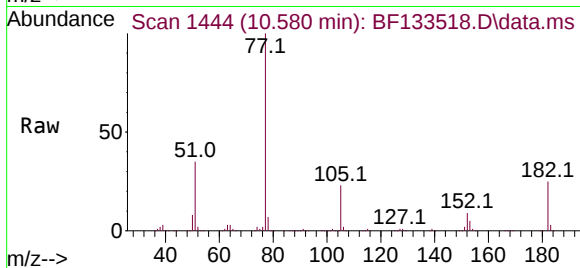
#63  
Azobenzene  
Concen: 41.445 ng  
RT: 10.580 min Scan# 1445  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

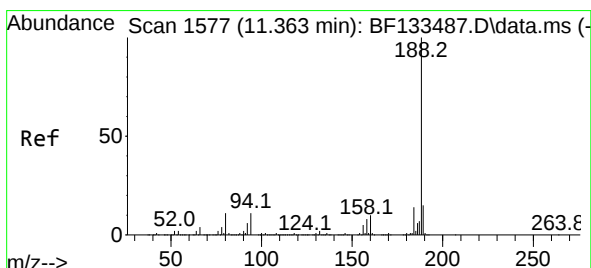
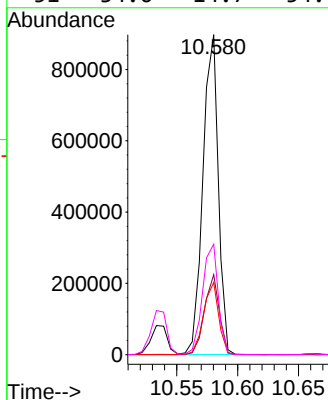
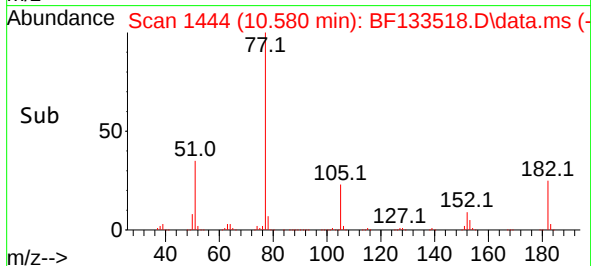


Tgt Ion: 77 Resp: 78703  
Ion Ratio Lower Upper  
77 100  
182 25.0 5.6 45.6  
105 22.6 2.6 42.6  
51 34.6 14.7 54.7

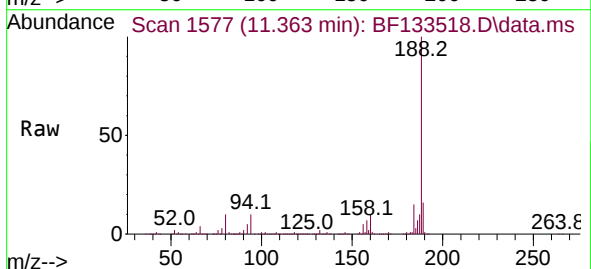
Manual Integrations

APPROVED

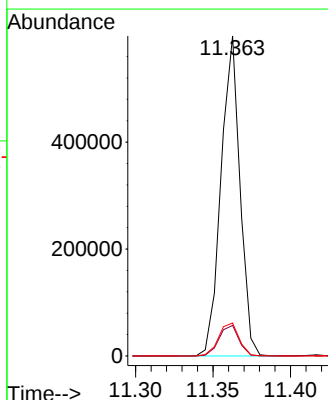
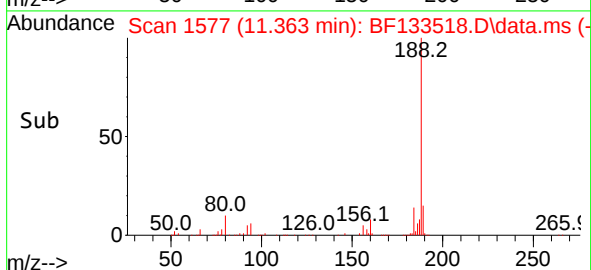
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

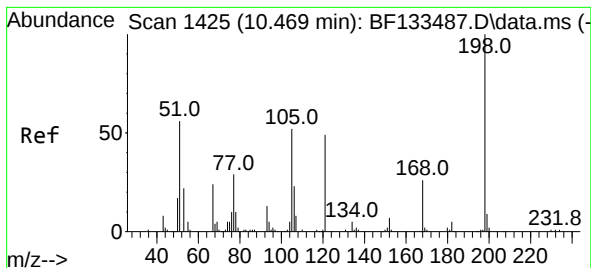


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.363 min Scan# 1577  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:188 Resp: 509553  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.6 12.8  
80 10.3 9.2 13.8





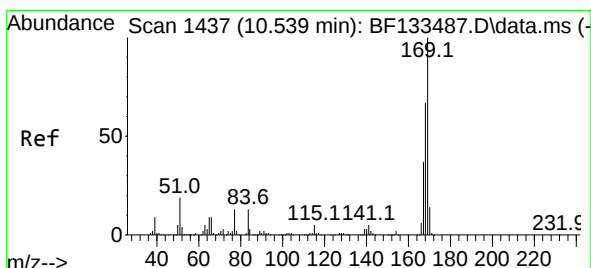
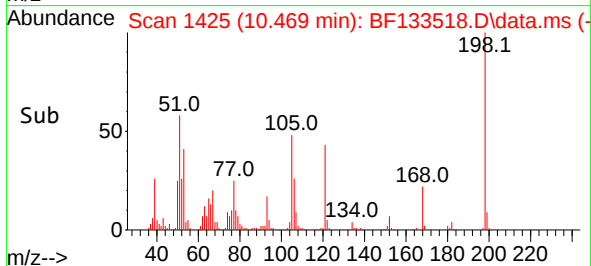
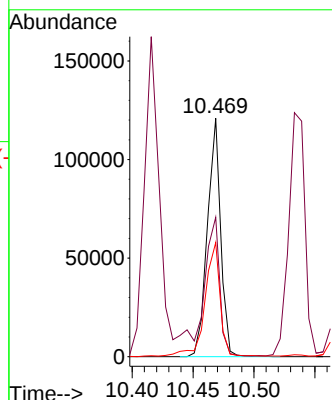
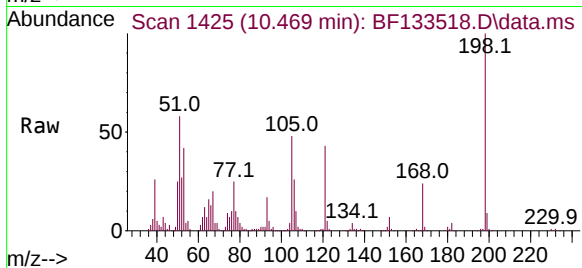
#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.647 ng  
RT: 10.469 min Scan# 1425  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS

Tgt Ion:198 Resp: 91485  
Ion Ratio Lower Upper  
198 100  
51 58.4 53.6 93.6  
105 47.8 35.9 75.9

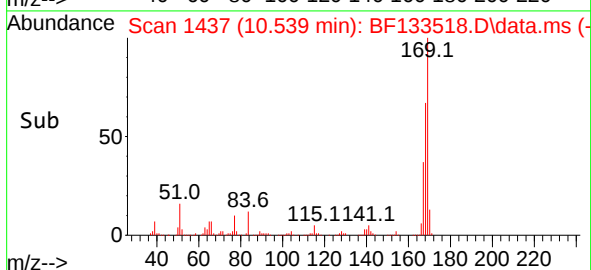
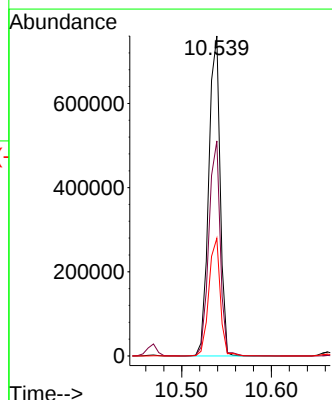
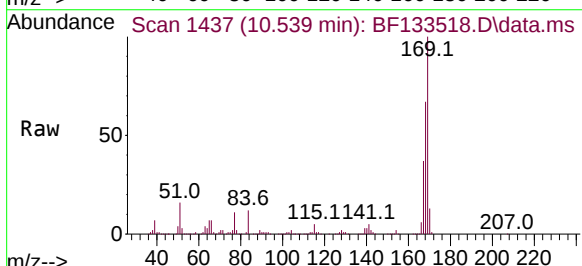
Manual Integrations  
APPROVED

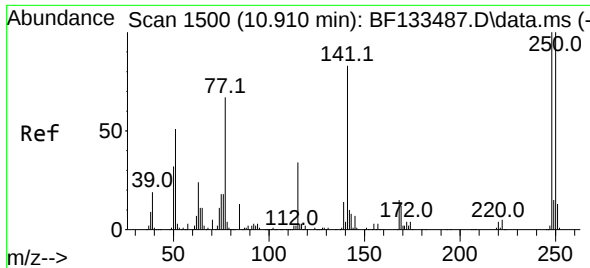
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#66  
n-Nitrosodiphenylamine  
Concen: 40.572 ng  
RT: 10.539 min Scan# 1437  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:169 Resp: 671169  
Ion Ratio Lower Upper  
169 100  
168 67.2 53.7 80.5  
167 36.7 29.6 44.4





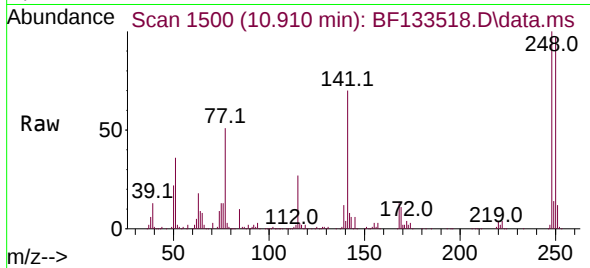
#67  
4-Bromophenyl-phenylether  
Concen: 41.119 ng  
RT: 10.910 min Scan# 1500  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

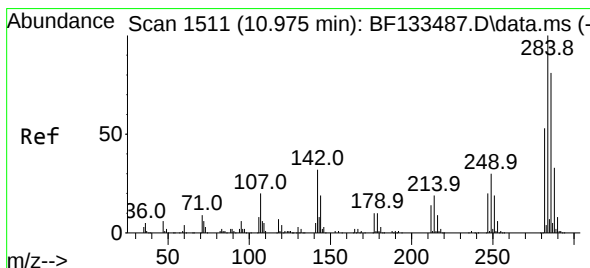
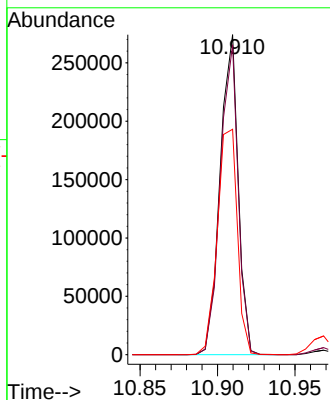
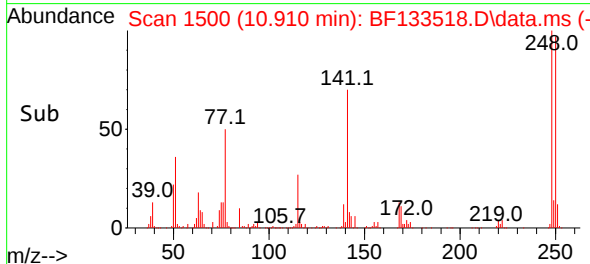


Tgt Ion:248 Resp: 22251  
Ion Ratio Lower Upper  
248 100  
250 96.8 79.7 119.5  
141 70.5 66.6 100.0

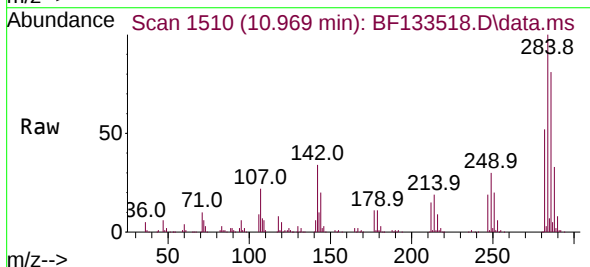
Manual Integrations

APPROVED

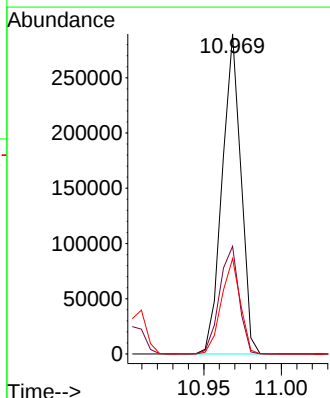
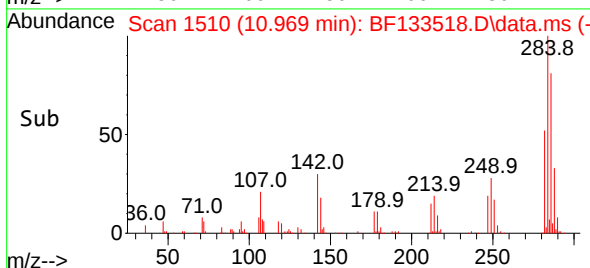
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

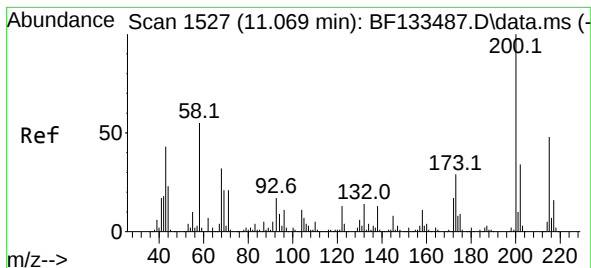


#68  
Hexachlorobenzene  
Concen: 43.070 ng  
RT: 10.969 min Scan# 1510  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:284 Resp: 243730  
Ion Ratio Lower Upper  
284 100  
142 33.7 25.8 38.6  
249 29.8 24.4 36.6





#69

Atrazine

Concen: 48.163 ng

RT: 11.069 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

Tgt Ion:200 Resp: 218610

Ion Ratio Lower Upper

200 100

173 27.1 9.0 49.0

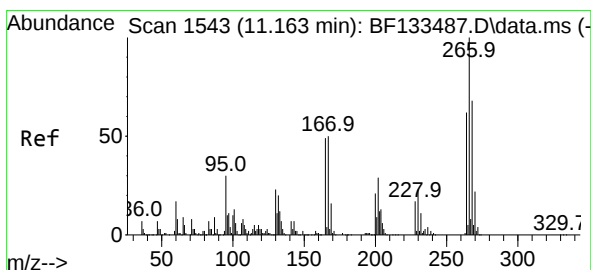
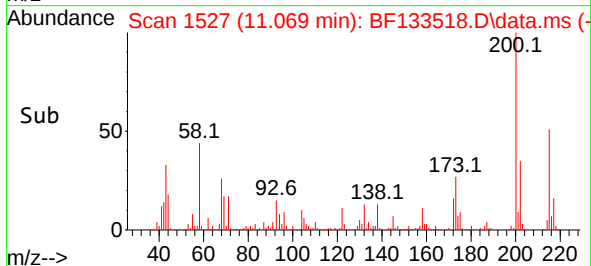
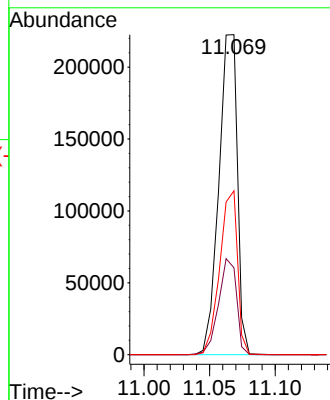
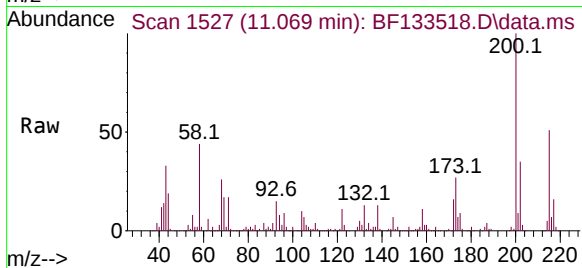
215 51.2 27.6 67.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#70

Pentachlorophenol

Concen: 80.149 ng

RT: 11.163 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

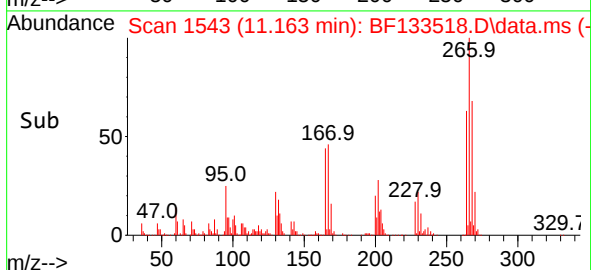
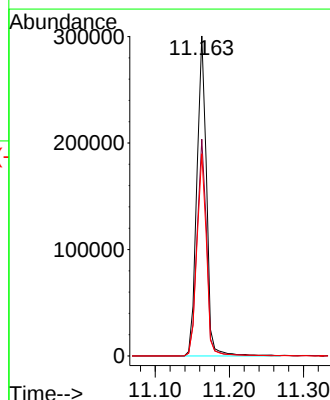
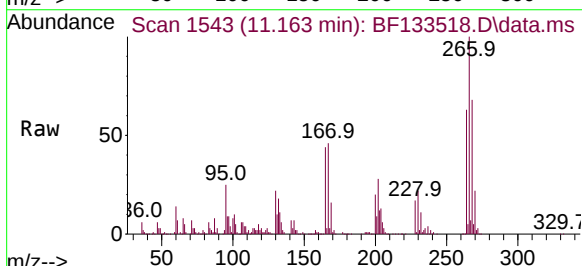
Tgt Ion:266 Resp: 271199

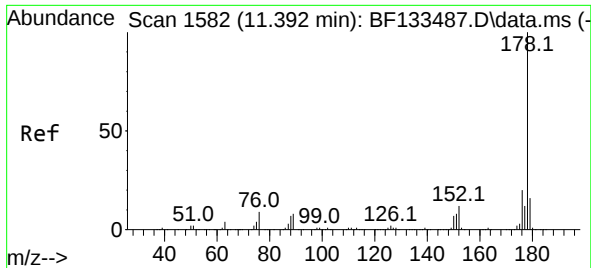
Ion Ratio Lower Upper

266 100

268 67.7 54.6 82.0

264 63.2 49.2 73.8





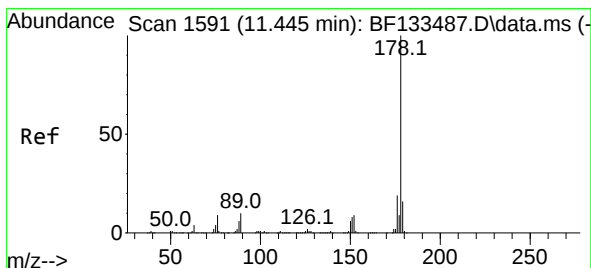
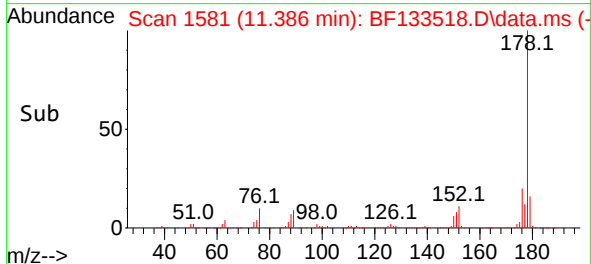
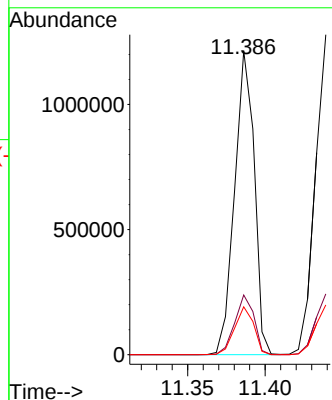
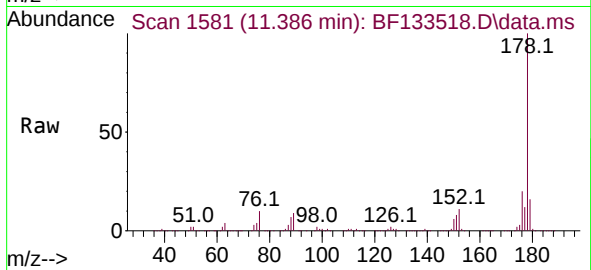
#71  
Phenanthrene  
Concen: 41.457 ng  
RT: 11.386 min Scan# 1582  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS

Tgt Ion:178 Resp: 106993  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.6 23.4  
179 15.7 12.4 18.6

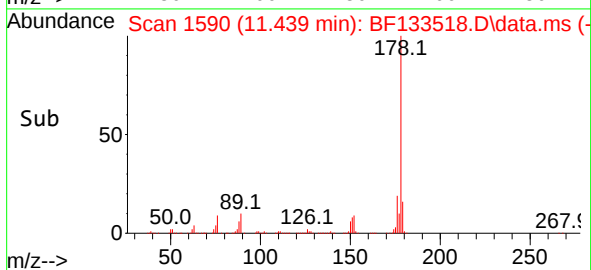
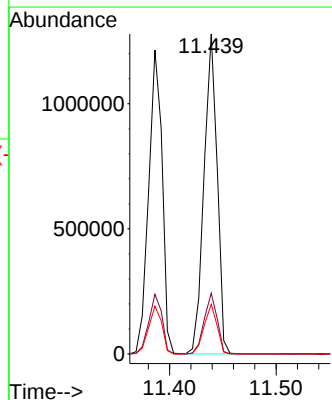
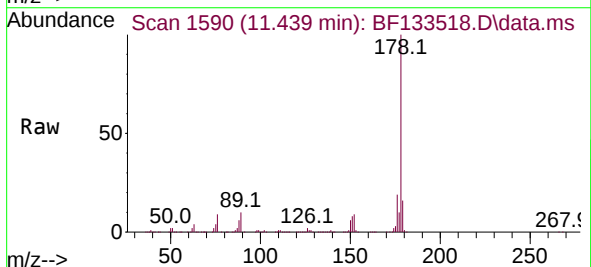
Manual Integrations  
APPROVED

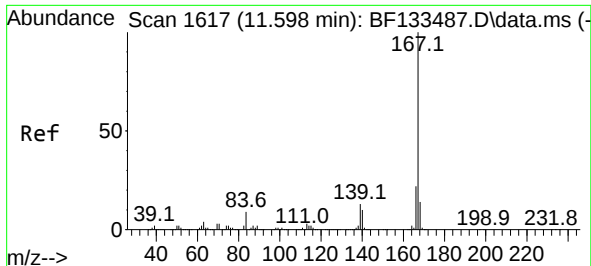
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#72  
Anthracene  
Concen: 41.379 ng  
RT: 11.439 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:178 Resp: 1099100  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 15.6 12.6 18.8





#73  
 Carbazole  
 Concen: 42.540 ng  
 RT: 11.592 min Scan# 1616  
 Delta R.T. -0.000 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

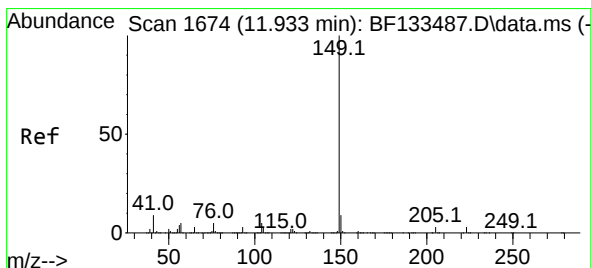
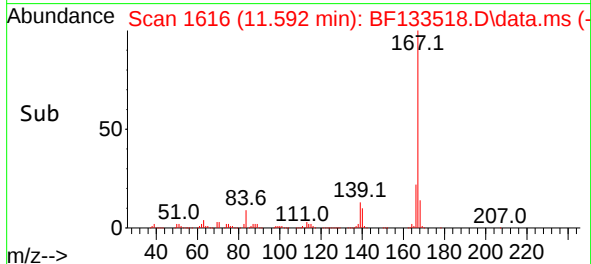
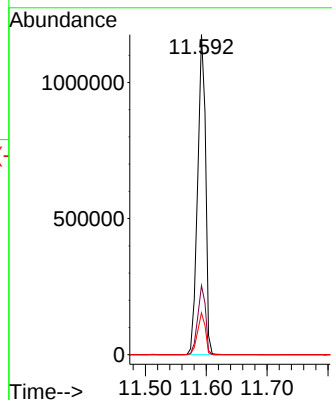
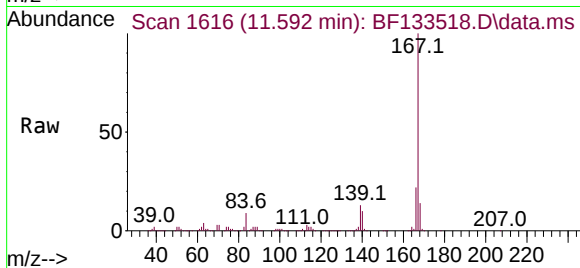
PB153070BS

Tgt Ion:167 Resp: 106860  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.3 25.9  
 139 13.0 10.7 16.1

Manual Integrations

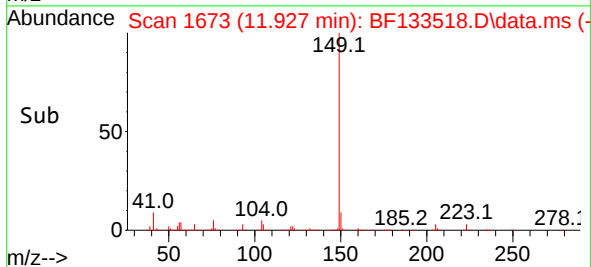
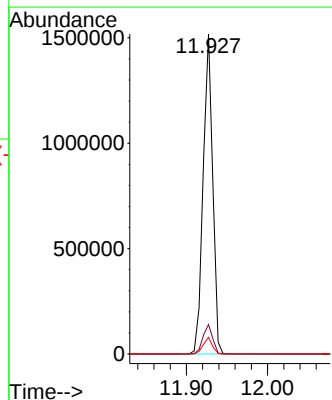
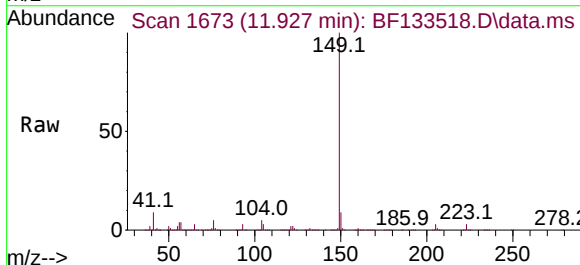
APPROVED

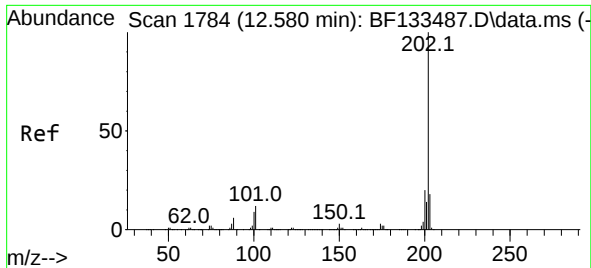
Reviewed By :Christian Giraldo 05/31/2023  
 Supervised By :Yogesh Patel 06/01/2023



#74  
 Di-n-butylphthalate  
 Concen: 41.594 ng  
 RT: 11.927 min Scan# 1673  
 Delta R.T. -0.000 min  
 Lab File: BF133518.D  
 Acq: 30 May 2023 12:59

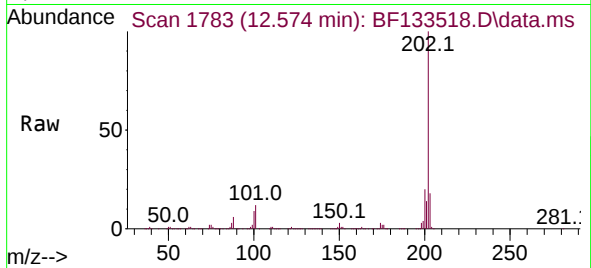
Tgt Ion:149 Resp: 1235488  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.4 11.2  
 104 5.2 3.9 5.9





#75  
Fluoranthene  
Concen: 41.454 ng  
RT: 12.574 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

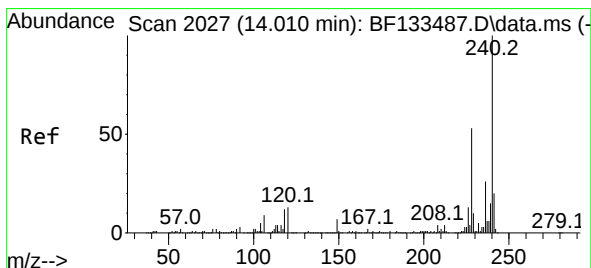
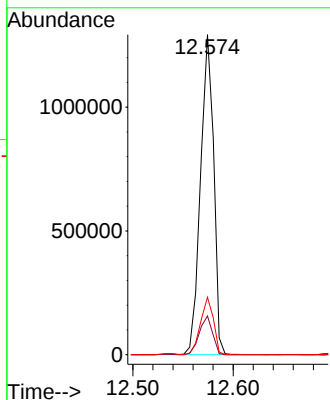
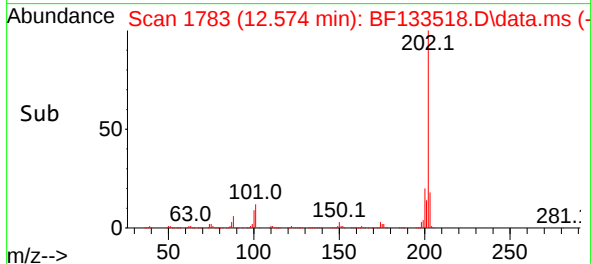
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



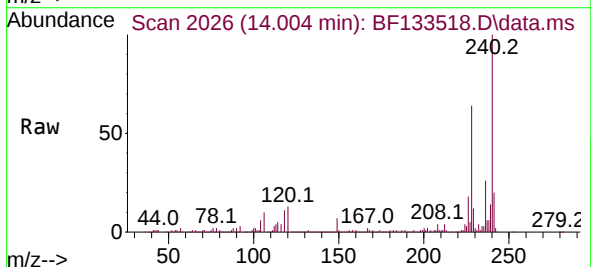
Tgt Ion:202 Resp: 1181734  
Ion Ratio Lower Upper  
202 100  
101 12.1 0.0 32.2  
203 18.0 0.0 37.8

Manual Integrations  
APPROVED

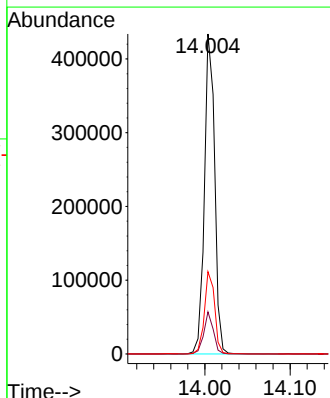
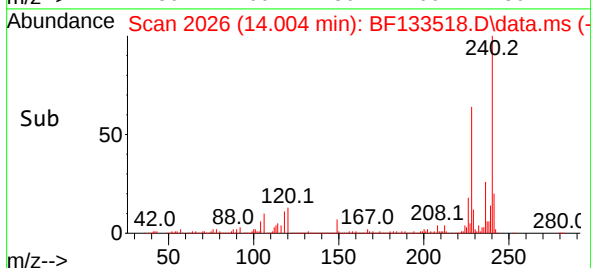
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

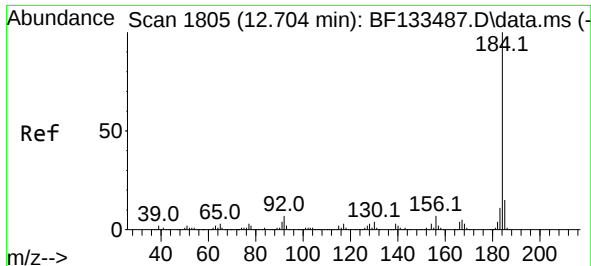


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.004 min Scan# 2026  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



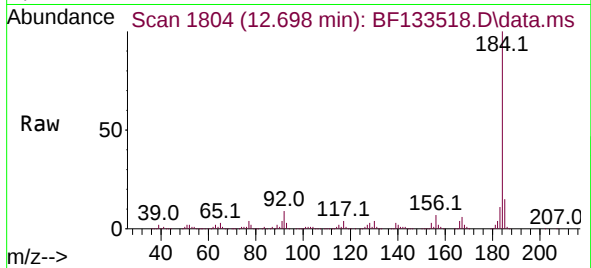
Tgt Ion:240 Resp: 361786  
Ion Ratio Lower Upper  
240 100  
120 13.2 10.3 15.5  
236 25.7 20.5 30.7





#77  
Benzidine  
Concen: 74.069 ng  
RT: 12.698 min Scan# 1804  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

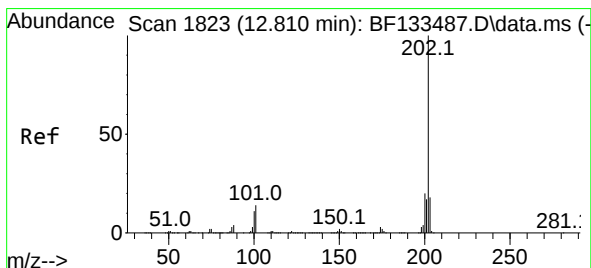
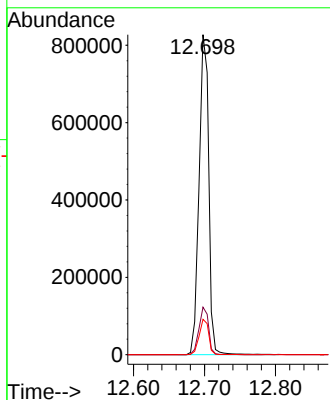
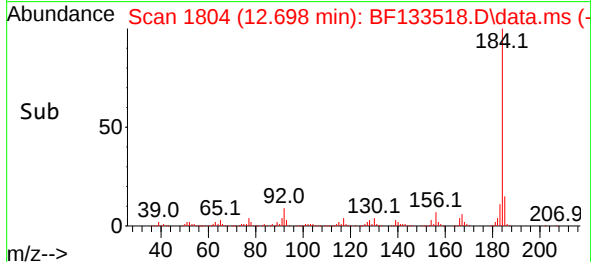
Instrument :  
BNA\_F  
ClientSampleId :  
PB153070BS



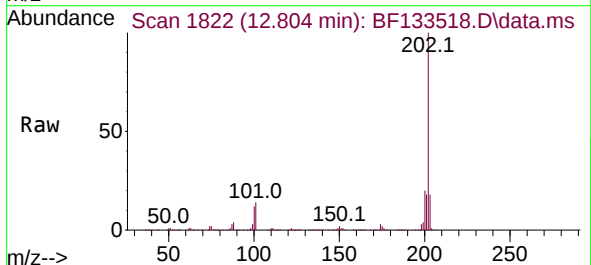
Tgt Ion:184 Resp: 78375  
Ion Ratio Lower Upper  
184 100  
185 14.8 12.2 18.2  
183 11.1 8.7 13.1

Manual Integrations  
APPROVED

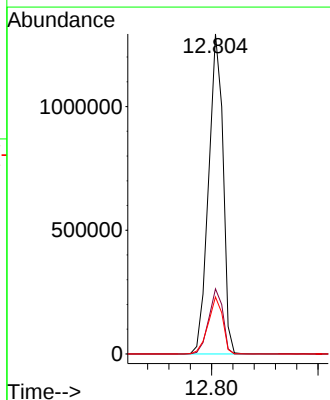
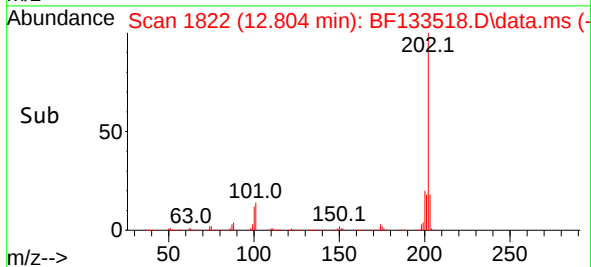
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

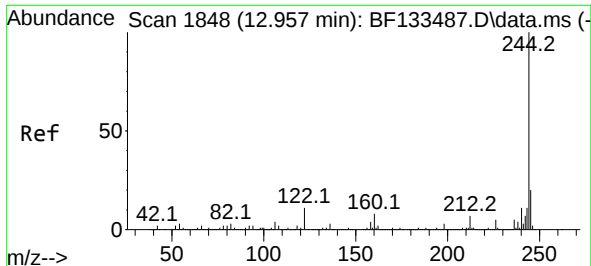


#78  
Pyrene  
Concen: 39.493 ng  
RT: 12.804 min Scan# 1822  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:202 Resp: 1215855  
Ion Ratio Lower Upper  
202 100  
200 20.4 16.3 24.5  
203 17.8 14.3 21.5





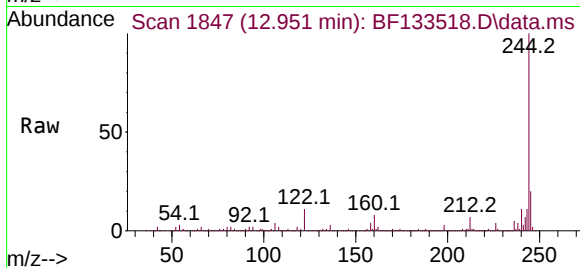
#79  
Terphenyl-d14  
Concen: 61.685 ng  
RT: 12.951 min Scan# 1847  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

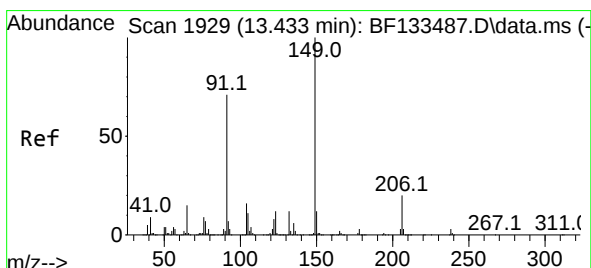
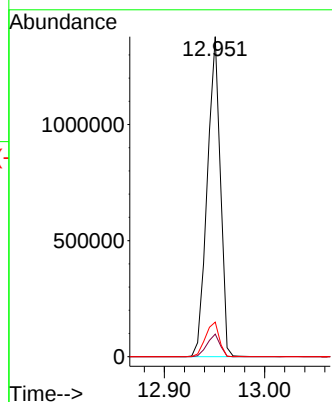
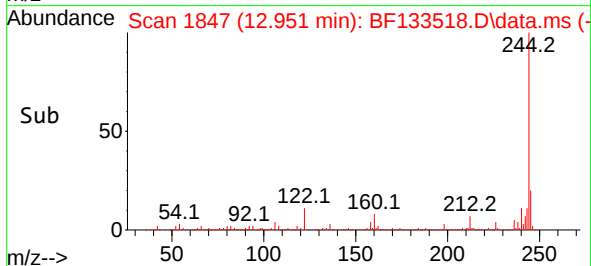


Tgt Ion:244 Resp: 125517  
Ion Ratio Lower Upper  
244 100  
212 7.1 5.8 8.6  
122 10.8 8.5 12.7

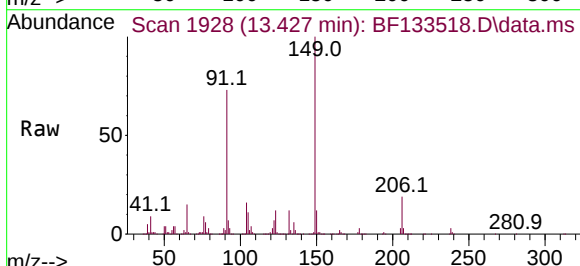
Manual Integrations

APPROVED

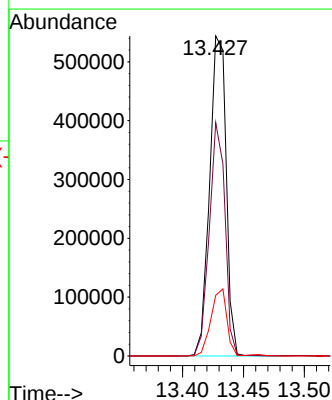
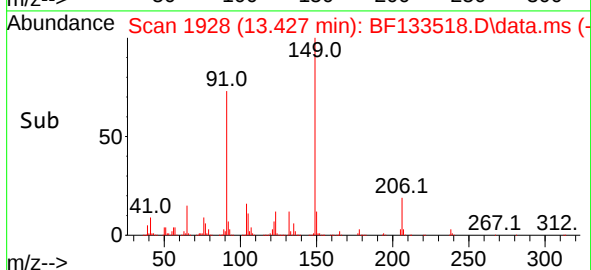
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

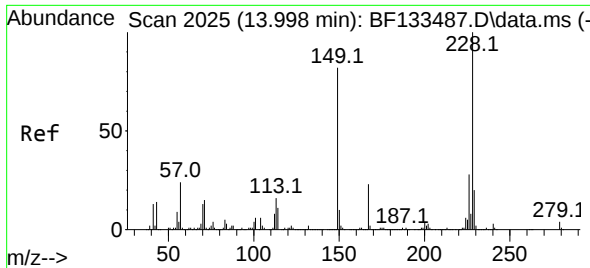


#80  
Butylbenzylphthalate  
Concen: 42.057 ng  
RT: 13.427 min Scan# 1928  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:149 Resp: 512285  
Ion Ratio Lower Upper  
149 100  
91 72.9 56.9 85.3  
206 18.9 15.7 23.5





#81  
Benzo(a)anthracene  
Concen: 40.134 ng  
RT: 13.992 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

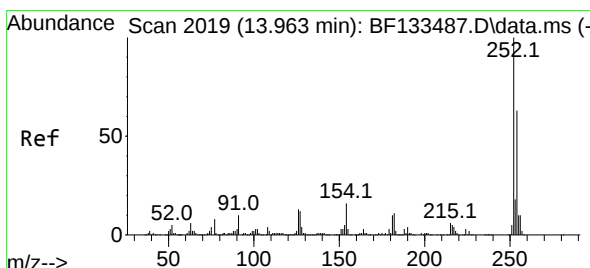
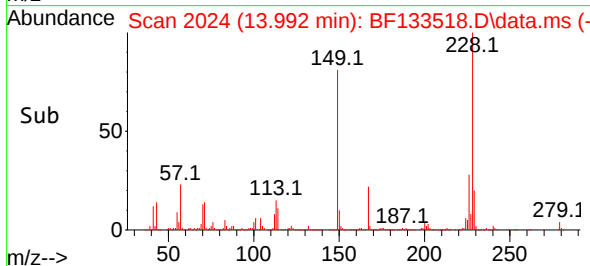
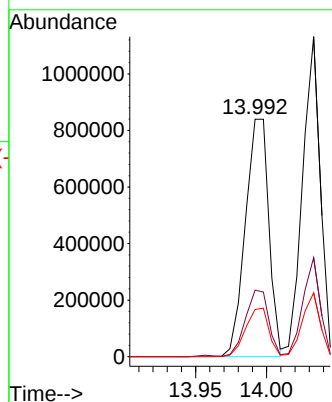
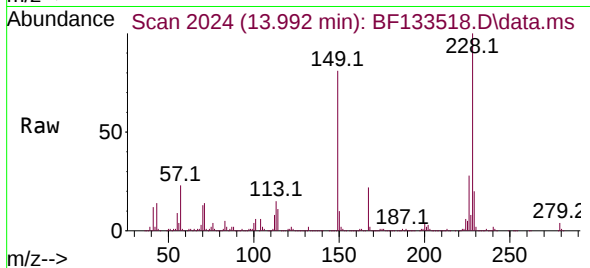
PB153070BS

Tgt Ion:228 Resp: 967260  
Ion Ratio Lower Upper  
228 100  
226 28.1 22.3 33.5  
229 19.9 16.1 24.1

Manual Integrations

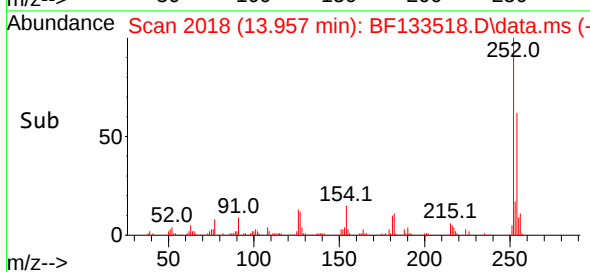
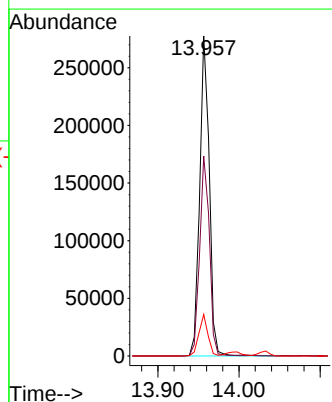
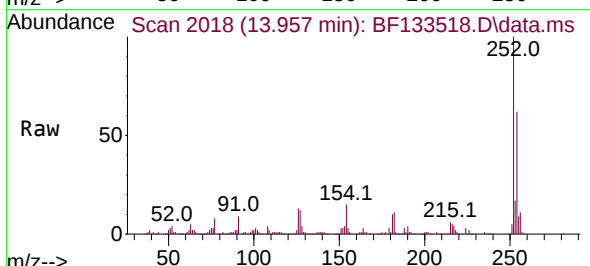
APPROVED

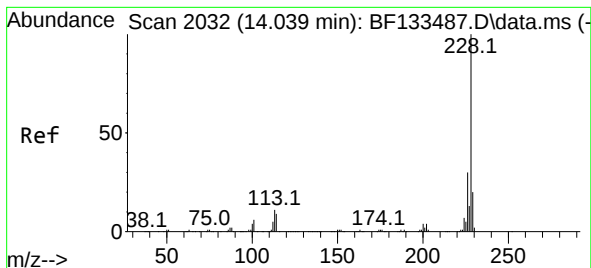
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 30.327 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:252 Resp: 228487  
Ion Ratio Lower Upper  
252 100  
254 62.5 50.3 75.5  
126 13.0 10.5 15.7





#83

Chrysene

Concen: 40.495 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

Tgt Ion:228 Resp: 985249

Ion Ratio Lower Upper

228 100

226 31.0 24.1 36.1

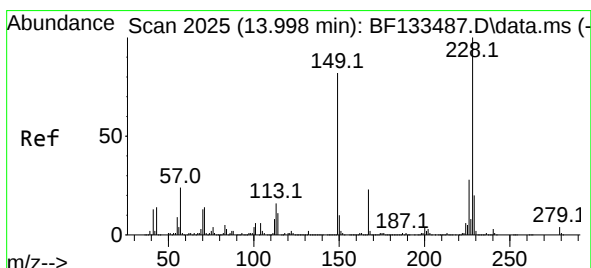
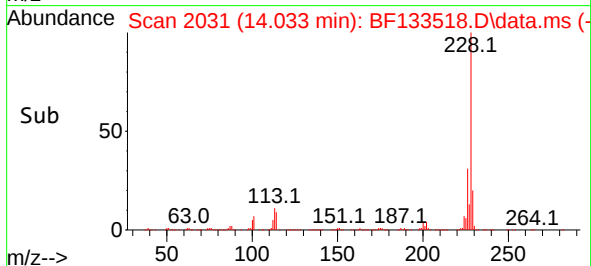
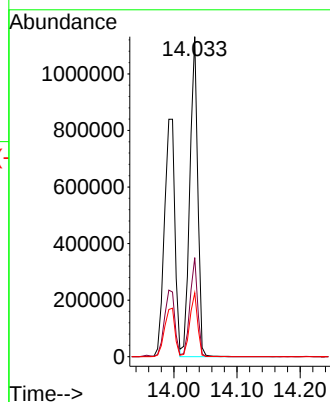
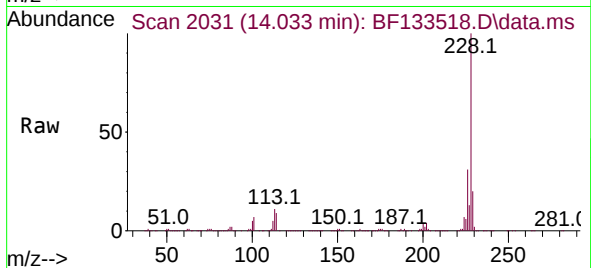
229 19.9 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 40.749 ng

RT: 13.992 min Scan# 2024

Delta R.T. 0.006 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

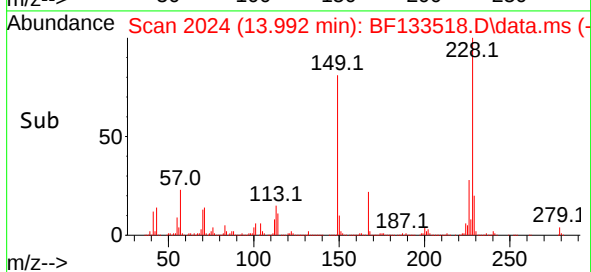
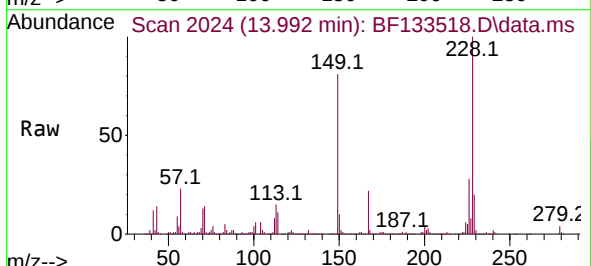
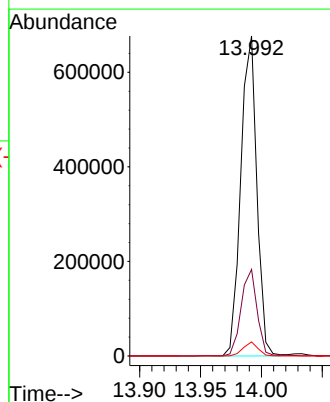
Tgt Ion:149 Resp: 620431

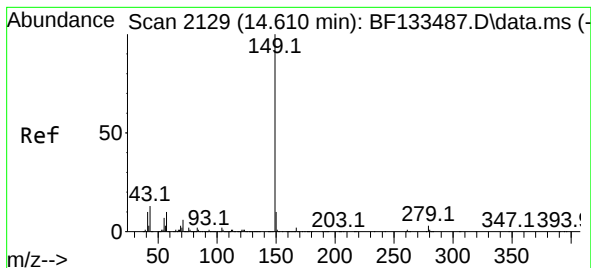
Ion Ratio Lower Upper

149 100

167 27.0 22.0 33.0

279 4.4 3.6 5.4





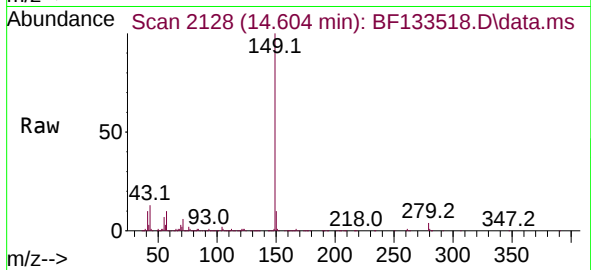
#85  
Di-n-octyl phthalate  
Concen: 45.765 ng  
RT: 14.604 min Scan# 2129  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

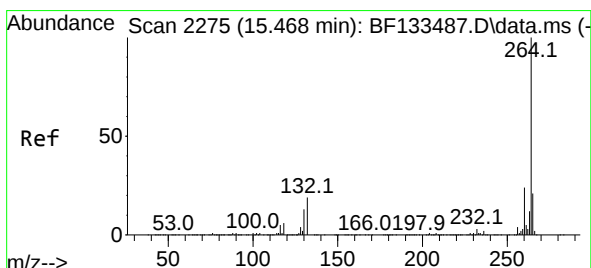
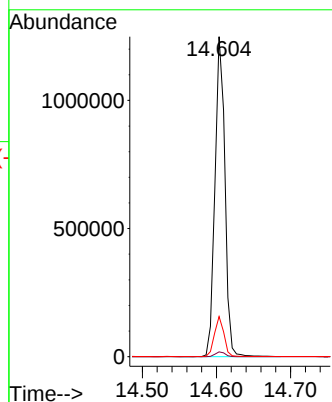
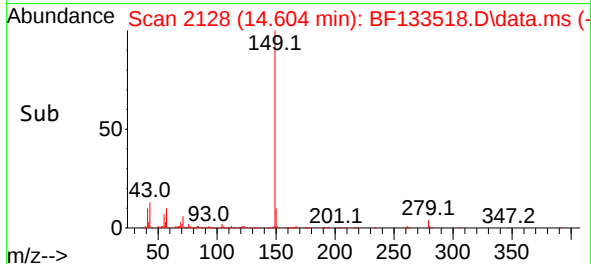


Tgt Ion:149 Resp: 116078  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 12.0 10.0 15.0

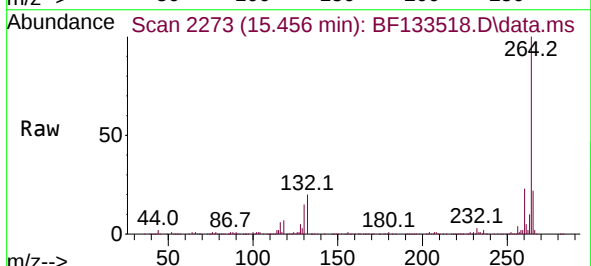
Manual Integrations

APPROVED

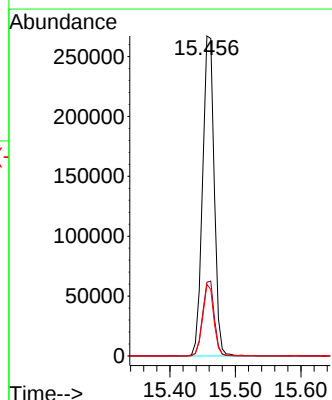
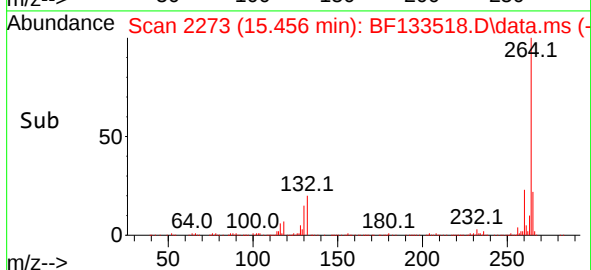
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023

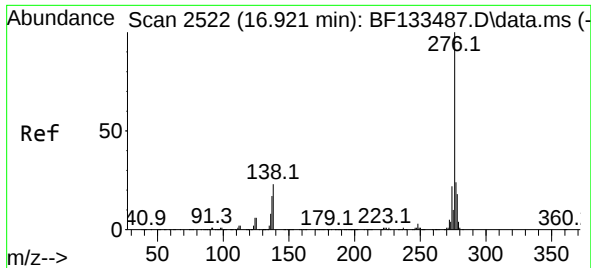


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.456 min Scan# 2273  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59



Tgt Ion:264 Resp: 330255  
Ion Ratio Lower Upper  
264 100  
260 23.1 19.0 28.4  
265 22.4 16.8 25.2





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.872 ng  
RT: 16.915 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

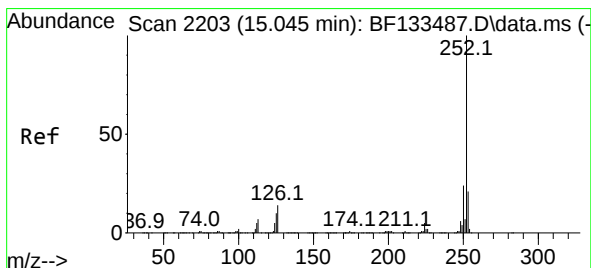
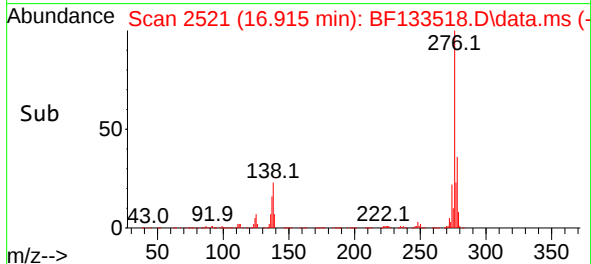
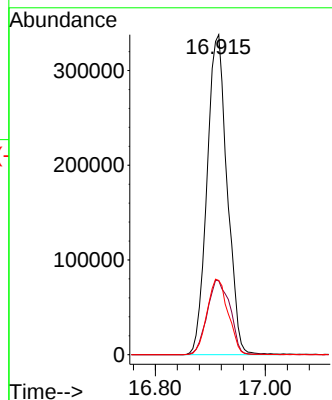
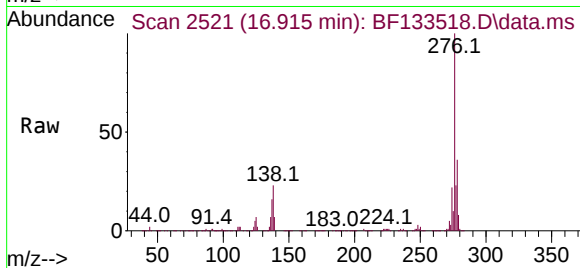
ClientSampleId :

PB153070BS

Tgt Ion:276 Resp: 859812  
Ion Ratio Lower Upper  
276 100  
138 26.6 21.4 32.2  
277 24.7 20.0 30.0

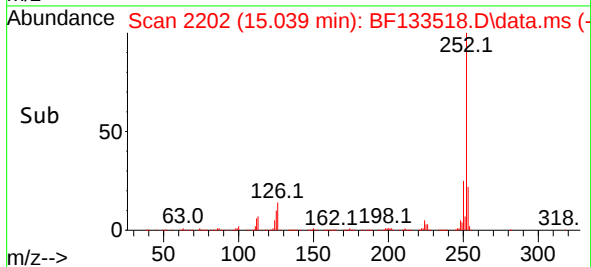
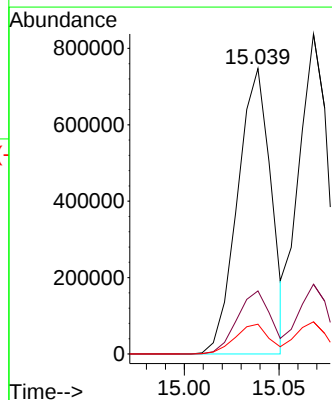
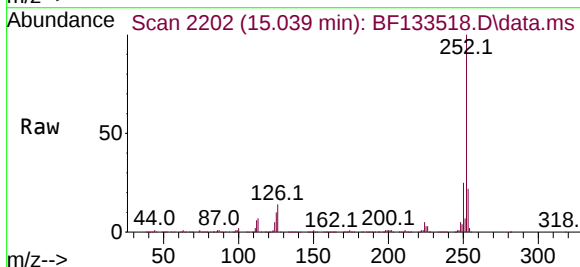
Manual Integrations  
APPROVED

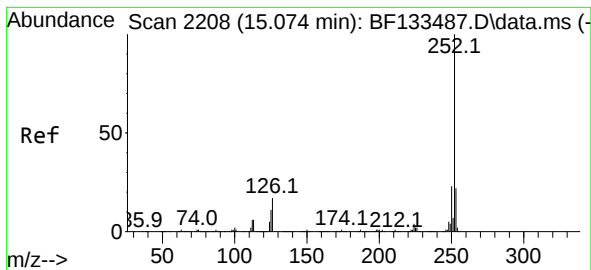
Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#88  
Benzo(b)fluoranthene  
Concen: 42.962 ng  
RT: 15.039 min Scan# 2202  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:252 Resp: 923916  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.2 25.8  
125 10.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 42.355 ng

RT: 15.068 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

Instrument :

BNA\_F

ClientSampleId :

PB153070BS

Tgt Ion:252 Resp: 888149

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

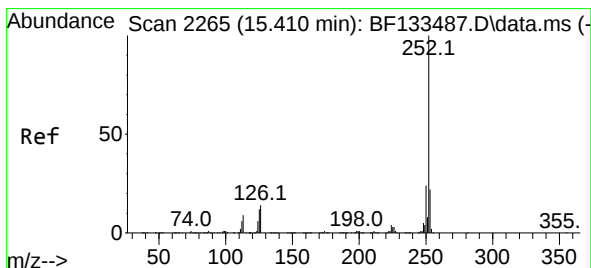
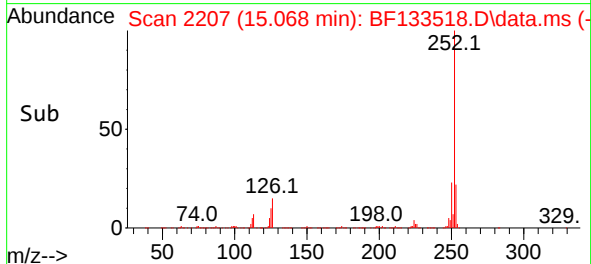
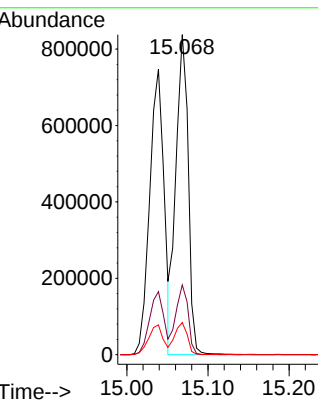
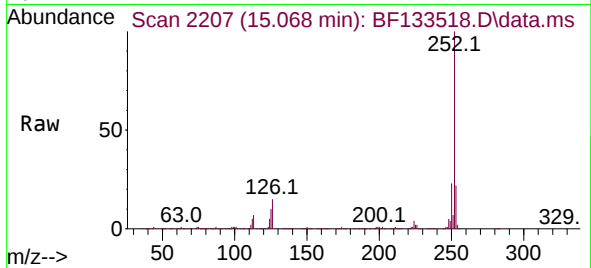
125 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/31/2023

Supervised By :Yogesh Patel 06/01/2023



#90

Benzo(a)pyrene

Concen: 38.934 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF133518.D

Acq: 30 May 2023 12:59

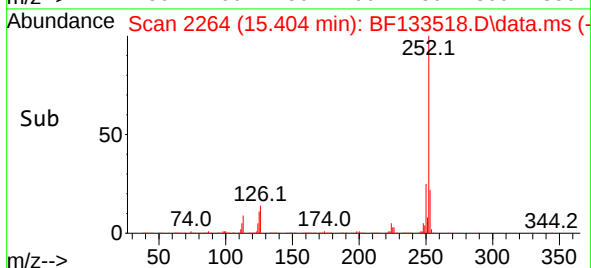
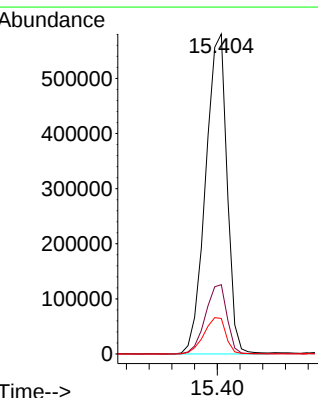
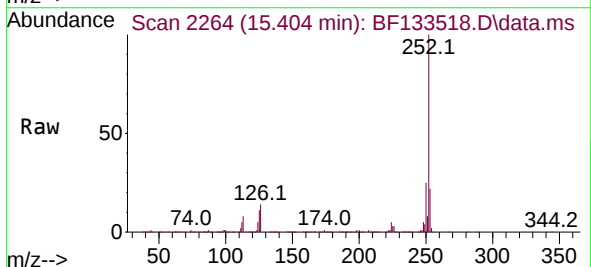
Tgt Ion:252 Resp: 761889

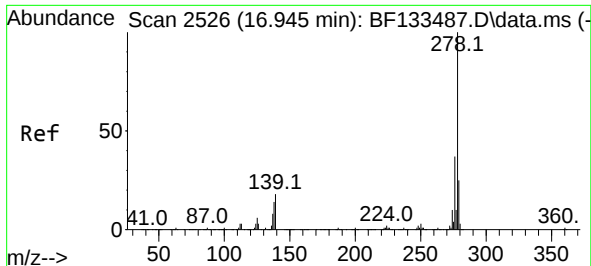
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 11.1 9.4 14.0





#91  
Dibenzo(a,h)anthracene  
Concen: 40.475 ng  
RT: 16.933 min Scan# 2526  
Delta R.T. -0.000 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Instrument :

BNA\_F

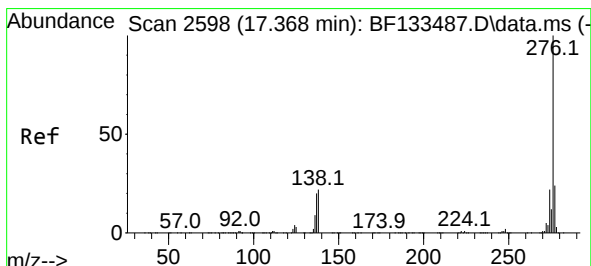
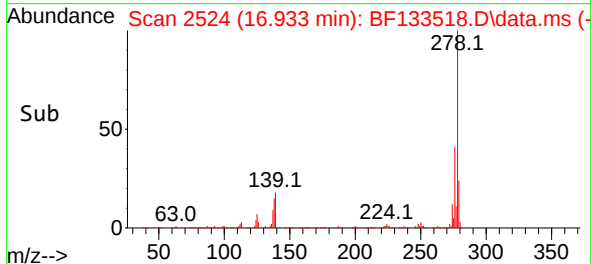
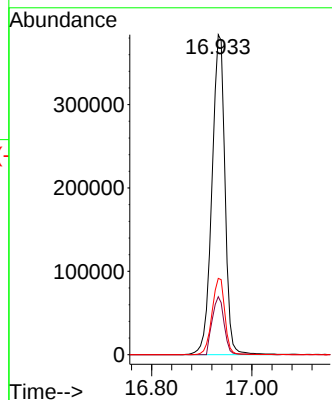
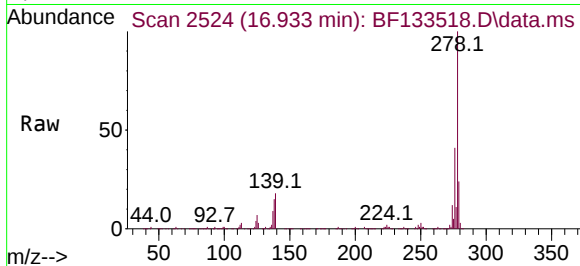
ClientSampleId :

PB153070BS

Tgt Ion:278 Resp: 690340  
Ion Ratio Lower Upper  
278 100  
139 18.1 14.1 21.1  
279 23.9 19.7 29.5

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 05/31/2023  
Supervised By :Yogesh Patel 06/01/2023



#92  
Benzo(g,h,i)perylene  
Concen: 41.291 ng  
RT: 17.356 min Scan# 2596  
Delta R.T. 0.006 min  
Lab File: BF133518.D  
Acq: 30 May 2023 12:59

Tgt Ion:276 Resp: 710121  
Ion Ratio Lower Upper  
276 100  
277 23.1 18.8 28.2  
138 22.5 17.8 26.6

