

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042623\  
 Data File : BF133074.D  
 Acq On : 26 Apr 2023 20:02  
 Operator : CG\JU  
 Sample : 02491-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2S-TP3MSD

Quant Time: Apr 27 02:00:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 27 01:56:03 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/27/2023  
 Supervised By : Jagrut Upadhyay 04/27/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.734  | 152  | 168004   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.022  | 136  | 691110   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.774  | 164  | 356311   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.257 | 188  | 645956   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.892 | 240  | 371338   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.304 | 264  | 353101   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.351  | 112  | 1193003  | 107.269 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.381  | 99   | 1509565  | 109.355 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.304  | 82   | 912627   | 71.278  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.563 | 330  | 389596   | 108.723 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.098  | 172  | 1562805  | 73.379  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.839 | 244  | 1799978  | 83.599  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.463  | 88   | 230187   | 44.622  | ng    | 96       |
| 3) Pyridine                   | 3.157  | 79   | 582522   | 42.516  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.116  | 42   | 302924   | 42.685  | ng    | 92       |
| 6) Aniline                    | 6.398  | 93   | 630396   | 35.456  | ng    | # 89     |
| 8) 2-Chlorophenol             | 6.522  | 128  | 574385   | 50.866  | ng    | 95       |
| 9) Benzaldehyde               | 6.281  | 77   | 332482   | 63.491  | ng    | 99       |
| 10) Phenol                    | 6.392  | 94   | 699736   | 45.949  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.475  | 93   | 540561   | 47.303  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.675  | 146  | 599306   | 49.919  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.751  | 146  | 606816   | 50.433  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.904  | 146  | 577516   | 52.062  | ng    | 97       |
| 15) Benzyl Alcohol            | 6.881  | 79   | 468672   | 49.150  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.016  | 45   | 885908   | 44.634  | ng    | 97       |
| 17) 2-Methylphenol            | 6.998  | 107  | 463755   | 44.851  | ng    | 99       |
| 18) Hexachloroethane          | 7.251  | 117  | 205778   | 49.192  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.157  | 70   | 376396   | 43.798  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.151  | 107  | 568463   | 46.684  | ng    | 98       |
| 22) Acetophenone              | 7.145  | 105  | 750590   | 46.885  | ng    | # 97     |
| 24) Nitrobenzene              | 7.322  | 77   | 575773   | 44.377  | ng    | 100      |
| 25) Isophorone                | 7.563  | 82   | 1081589  | 44.491  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.639  | 139  | 319696   | 51.086  | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 7.681  | 122  | 521787   | 48.626  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.775  | 93   | 642388   | 44.668  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.880  | 162  | 473034   | 48.424  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 7.963  | 180  | 488838   | 48.303  | ng    | 100      |
| 31) Naphthalene               | 8.045  | 128  | 1590417  | 46.028  | ng    | 99       |
| 32) Benzoic acid              | 7.804  | 122  | 349075m  | 52.665  | ng    |          |
| 33) 4-Chloroaniline           | 8.092  | 127  | 233430   | 16.720  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.163  | 225  | 266505   | 47.513  | ng    | 99       |
| 35) Caprolactam               | 8.469  | 113  | 172356m  | 52.521  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.580  | 107  | 523690   | 49.713  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.733  | 142  | 1060658  | 44.899  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.833  | 142  | 999470   | 45.227  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.904  | 216  | 443336   | 46.276  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.892  | 237  | 509044   | 91.109  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.016  | 196  | 326173   | 49.231  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF042623\  
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 Sample : 02491-01MSD  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S2S-TP3MSD

Manual Integrations  
 APPROVED

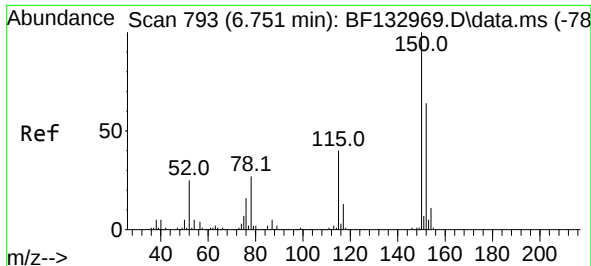
Reviewed By : Christian Giraldo 04/27/2023  
 Supervised By : Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 02:00:50 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 27 01:56:03 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.051  | 196  | 346255   | 45.189  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.198  | 154  | 1304779  | 46.181  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.222  | 162  | 988224   | 47.787  | ng    | 100      |
| 48) 2-Nitroaniline            | 9.316  | 65   | 322344   | 47.163  | ng    | 95       |
| 49) Acenaphthylene            | 9.633  | 152  | 1550059  | 46.910  | ng    | 100      |
| 50) Dimethylphthalate         | 9.504  | 163  | 1169879  | 47.087  | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.563  | 165  | 276995   | 49.535  | ng    | # 81     |
| 52) Acenaphthene              | 9.810  | 154  | 1112348m | 50.262  | ng    |          |
| 53) 3-Nitroaniline            | 9.727  | 138  | 207970   | 31.279  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.833  | 184  | 284303   | 101.147 | ng    | 98       |
| 55) Dibenzofuran              | 9.980  | 168  | 1395897  | 46.239  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.898  | 139  | 505519   | 98.164  | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 9.963  | 165  | 367261   | 51.500  | ng    | 91       |
| 58) Fluorene                  | 10.322 | 166  | 1031387  | 46.632  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.098 | 232  | 292674   | 49.269  | ng    | 98       |
| 60) Diethylphthalate          | 10.204 | 149  | 1099935  | 46.871  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.316 | 204  | 499105   | 46.307  | ng    | 100      |
| 62) 4-Nitroaniline            | 10.345 | 138  | 315288   | 51.593  | ng    | 95       |
| 63) Azobenzene                | 10.474 | 77   | 1138687  | 45.804  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.369 | 198  | 207206   | 52.922  | ng    | 85       |
| 66) n-Nitrosodiphenylamine    | 10.433 | 169  | 961597   | 45.893  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.804 | 248  | 320249   | 45.712  | ng    | 98       |
| 68) Hexachlorobenzene         | 10.869 | 284  | 350849   | 48.873  | ng    | 98       |
| 69) Atrazine                  | 10.963 | 200  | 333864   | 55.298  | ng    | 98       |
| 70) Pentachlorophenol         | 11.063 | 266  | 402138   | 78.656  | ng    | 97       |
| 71) Phenanthrene              | 11.280 | 178  | 1586059  | 45.684  | ng    | 99       |
| 72) Anthracene                | 11.333 | 178  | 1644887  | 46.295  | ng    | 100      |
| 73) Carbazole                 | 11.486 | 167  | 1489466  | 47.080  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.821 | 149  | 1740941  | 48.626  | ng    | 100      |
| 75) Fluoranthene              | 12.463 | 202  | 1648320  | 47.306  | ng    | 100      |
| 77) Benzidine                 | 12.586 | 184  | 707700   | 112.700 | ng    | # 93     |
| 78) Pyrene                    | 12.692 | 202  | 1680999  | 52.808  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.315 | 149  | 691409   | 61.344  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.880 | 228  | 1212114  | 47.467  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.845 | 252  | 227758   | 32.286  | ng    | 99       |
| 83) Chrysene                  | 13.915 | 228  | 1168957  | 45.789  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.880 | 149  | 790487   | 55.876  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.492 | 149  | 1265031  | 54.840  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.686 | 276  | 1321137  | 65.777  | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 14.904 | 252  | 1063974  | 47.364  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 14.933 | 252  | 1018500  | 45.738  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.251 | 252  | 946075   | 46.270  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.709 | 278  | 1101588  | 65.759  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.103 | 276  | 1103462  | 66.721  | ng    | 98       |

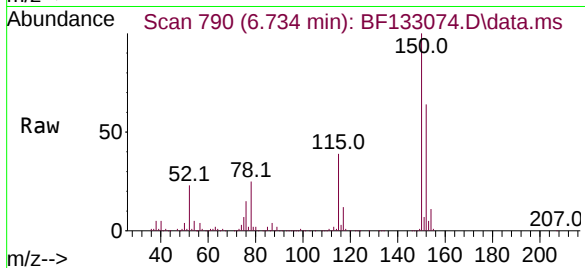
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.734 min Scan# 793  
Delta R.T. -0.005 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

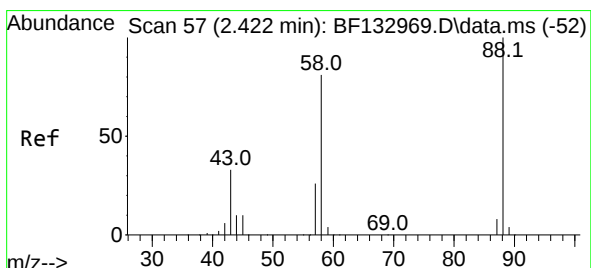
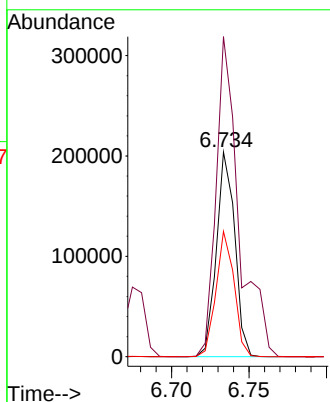
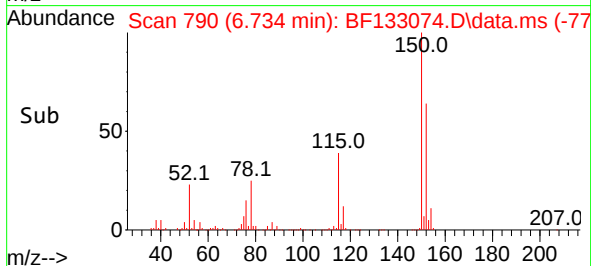
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:152 Resp: 168004  
Ion Ratio Lower Upper  
152 100  
150 156.4 124.8 187.2  
115 61.2 49.9 74.9

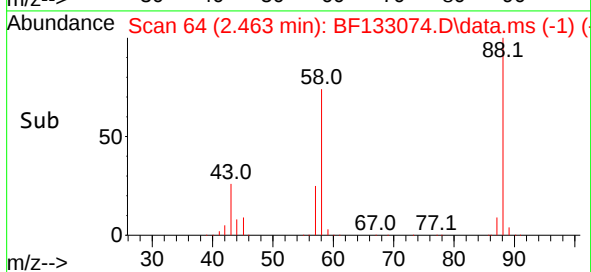
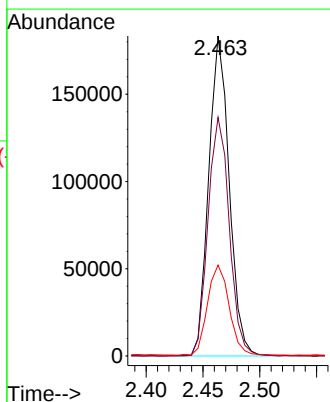
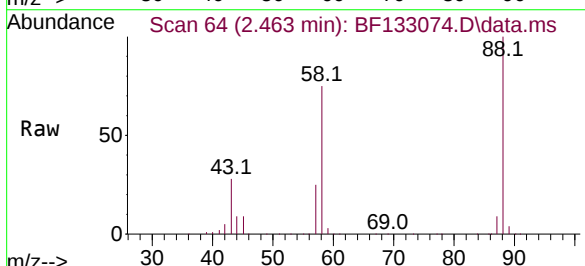
Manual Integrations  
APPROVED

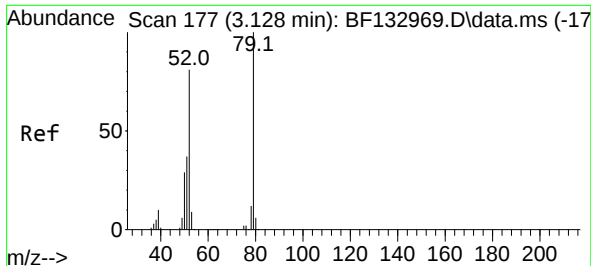
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#2  
1,4-Dioxane  
Concen: 44.622 ng  
RT: 2.463 min Scan# 64  
Delta R.T. 0.076 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

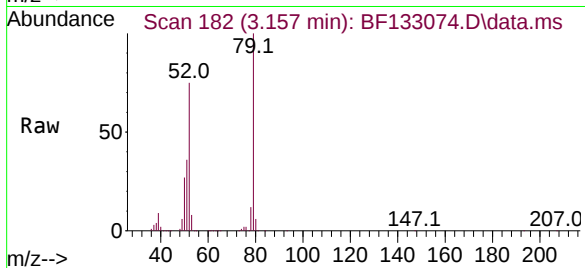
Tgt Ion: 88 Resp: 230187  
Ion Ratio Lower Upper  
88 100  
58 77.5 64.7 97.1  
43 29.9 26.2 39.2





#3  
Pyridine  
Concen: 42.516 ng  
RT: 3.157 min Scan# 175  
Delta R.T. 0.076 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

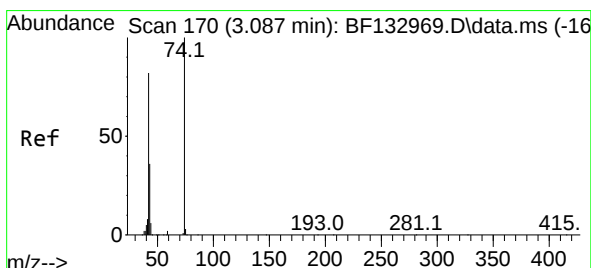
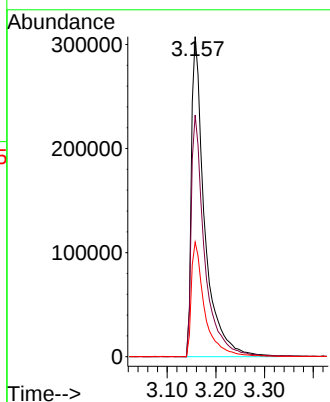
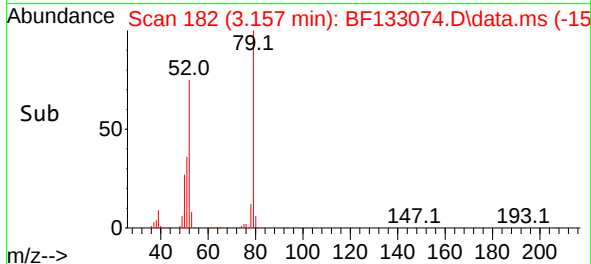
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



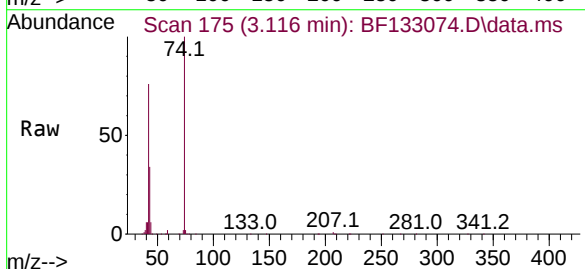
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Ion Ratio Lower Upper  
79 100  
52 75.5 64.6 96.8  
51 35.8 30.0 45.0

Manual Integrations  
APPROVED

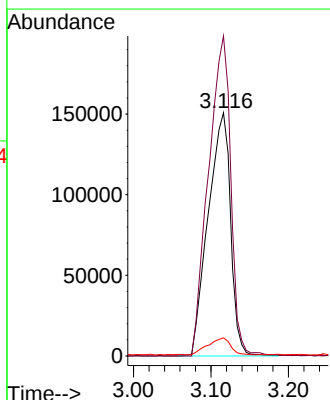
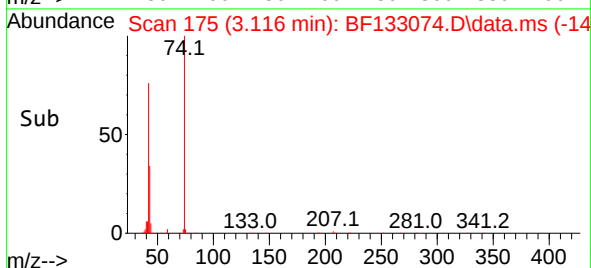
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

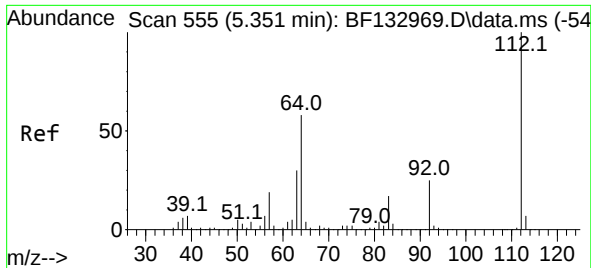


#4  
n-Nitrosodimethylamine  
Concen: 42.685 ng  
RT: 3.116 min Scan# 175  
Delta R.T. 0.076 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion: 42 Resp: 302924  
Ion Ratio Lower Upper  
42 100  
74 131.6 98.0 147.0  
44 7.4 5.8 8.8





#5  
2-Fluorophenol  
Concen: 107.269 ng  
RT: 5.351 min Scan# 511  
Delta R.T. 0.012 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

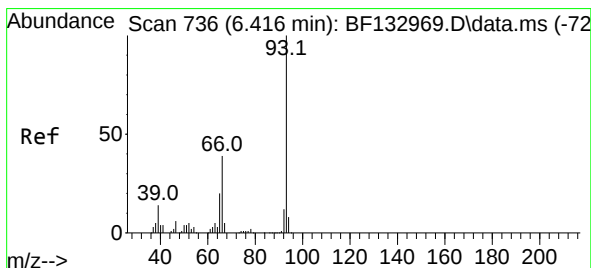
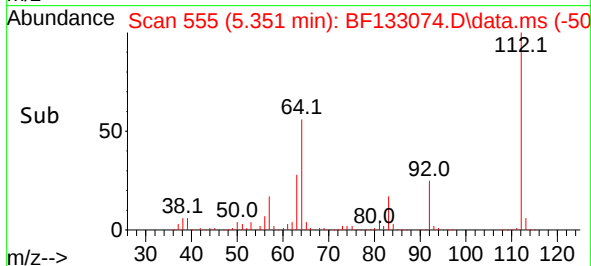
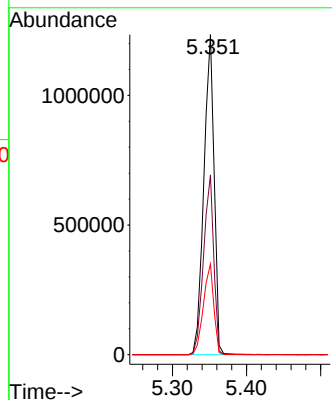
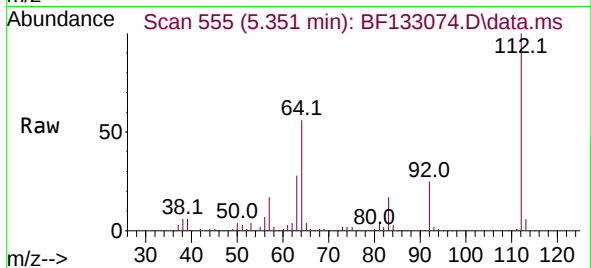
S2S-TP3MSD

Tgt Ion:112 Resp: 1193000  
Ion Ratio Lower Upper  
112 100  
64 56.2 46.8 70.2  
63 28.4 23.8 35.8

Manual Integrations

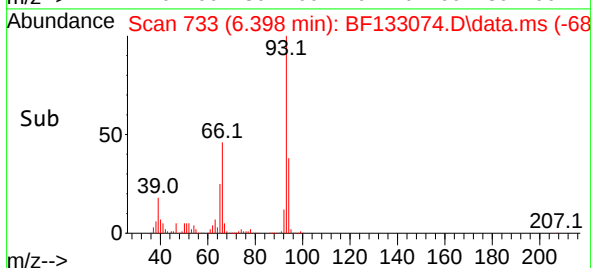
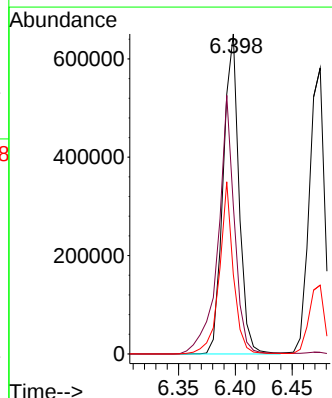
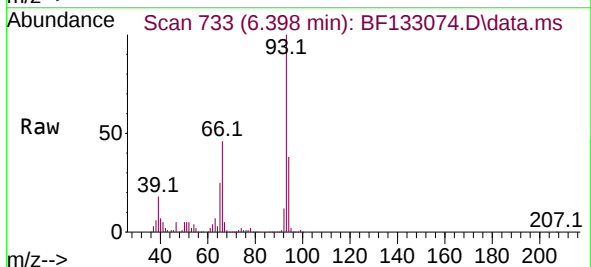
APPROVED

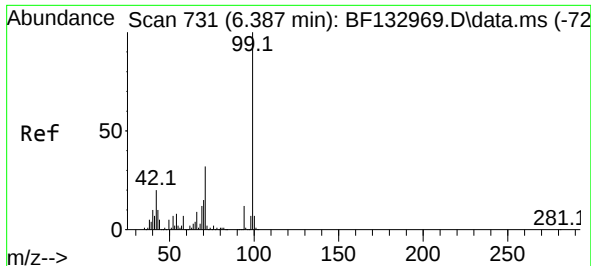
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#6  
Aniline  
Concen: 35.456 ng  
RT: 6.398 min Scan# 733  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion: 93 Resp: 630396  
Ion Ratio Lower Upper  
93 100  
66 46.4 31.5 47.3  
65 24.9 16.4 24.6





#7

Phenol-d6

Concen: 109.355 ng

RT: 6.381 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion: 99 Resp: 150956

Ion Ratio Lower Upper

99 100

42 18.4 16.3 24.5

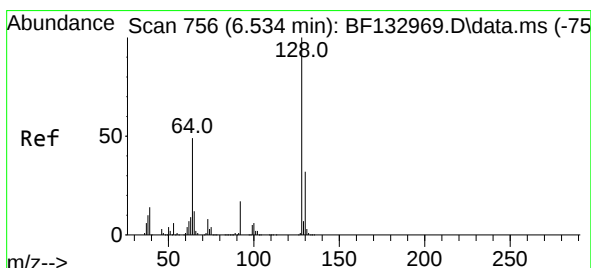
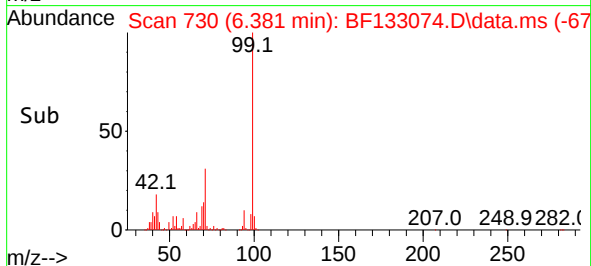
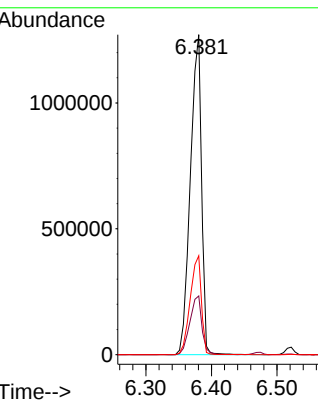
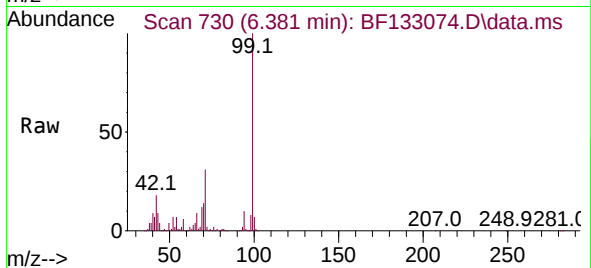
71 30.9 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#8

2-Chlorophenol

Concen: 50.866 ng

RT: 6.522 min Scan# 754

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

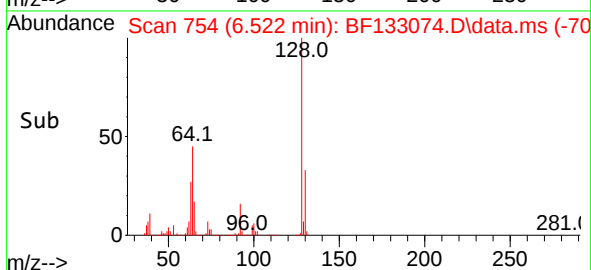
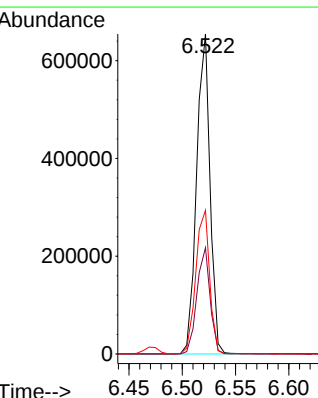
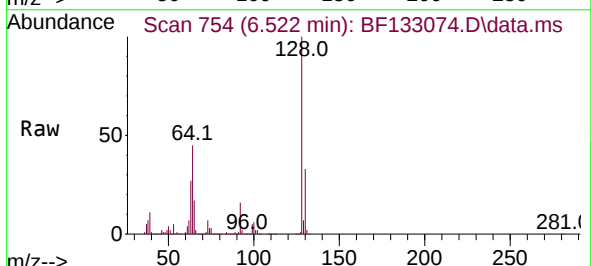
Tgt Ion:128 Resp: 574385

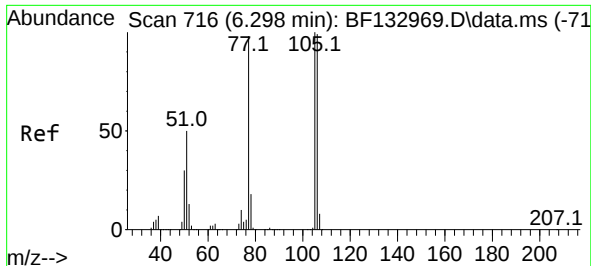
Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

64 44.9 30.3 70.3





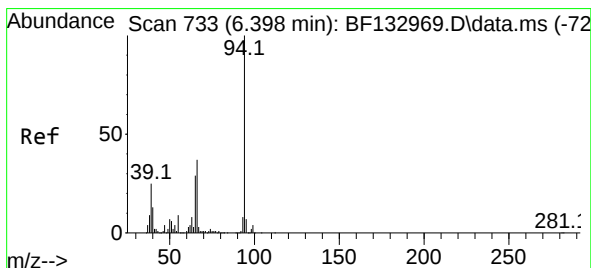
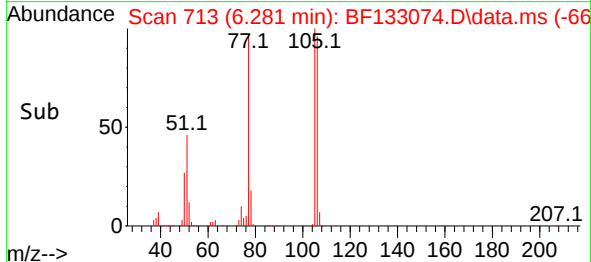
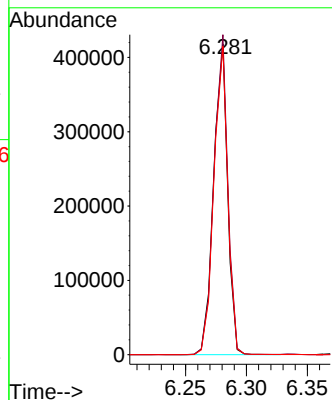
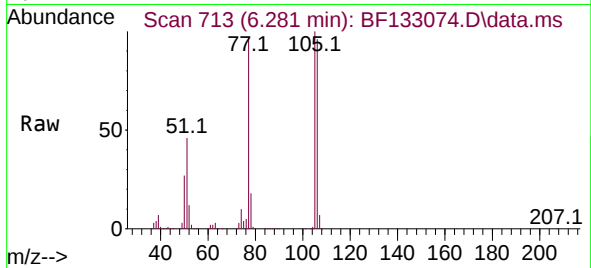
#9  
Benzaldehyde  
Concen: 63.491 ng  
RT: 6.281 min Scan# 716  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion: 77 Resp: 33248  
Ion Ratio Lower Upper  
77 100  
105 103.0 82.3 122.3  
106 99.3 80.8 120.8

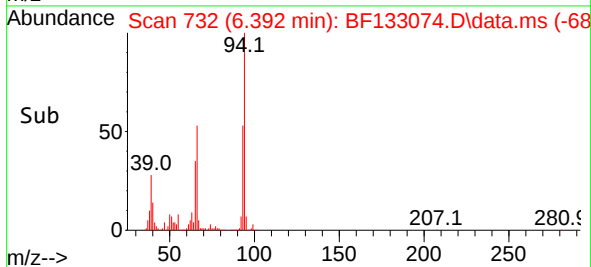
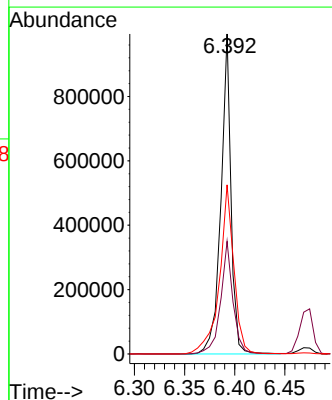
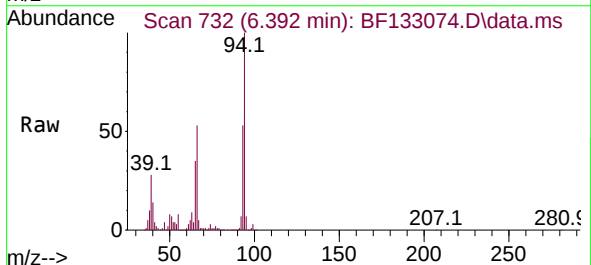
Manual Integrations  
APPROVED

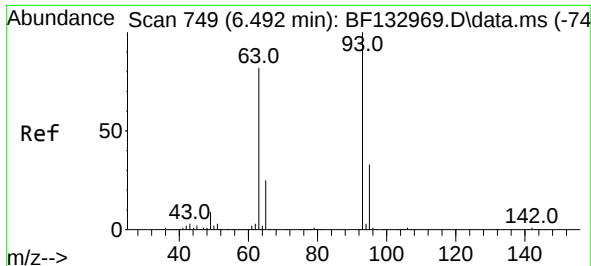
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#10  
Phenol  
Concen: 45.949 ng  
RT: 6.392 min Scan# 732  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion: 94 Resp: 699736  
Ion Ratio Lower Upper  
94 100  
65 35.2 8.6 48.6  
66 52.9 17.3 57.3





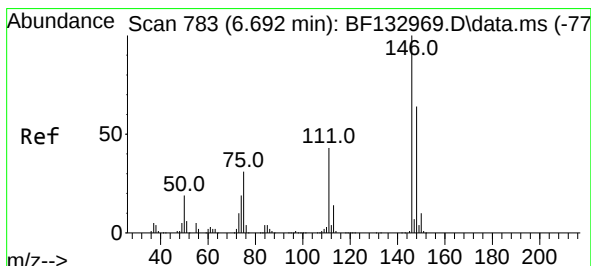
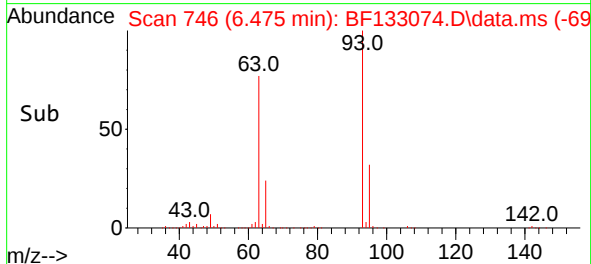
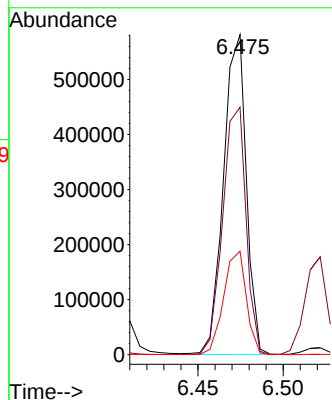
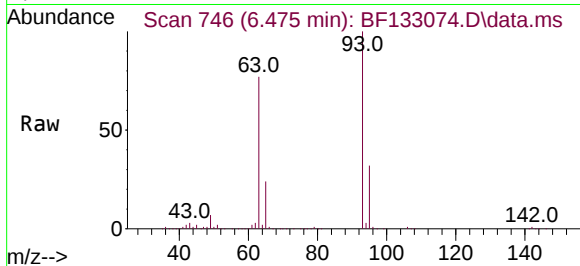
#11  
bis(2-Chloroethyl)ether  
Concen: 47.303 ng  
RT: 6.475 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion: 93 Resp: 54056  
Ion Ratio Lower Upper  
93 100  
63 77.3 60.6 100.6  
95 32.4 12.9 52.9

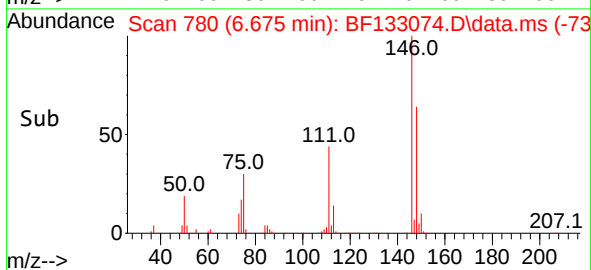
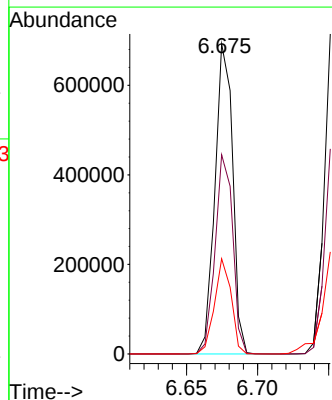
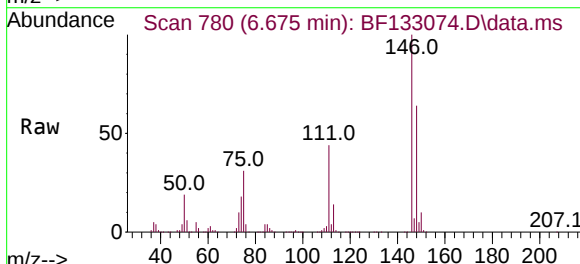
Manual Integrations  
APPROVED

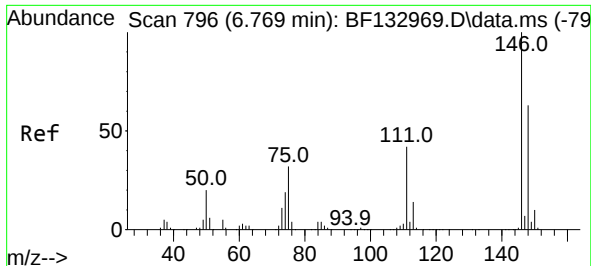
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#12  
1,3-Dichlorobenzene  
Concen: 49.919 ng  
RT: 6.675 min Scan# 780  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:146 Resp: 599306  
Ion Ratio Lower Upper  
146 100  
148 64.2 51.0 76.4  
75 30.7 24.8 37.2





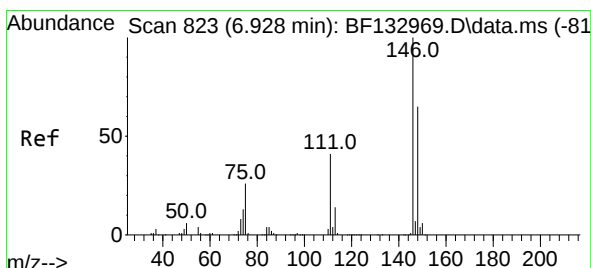
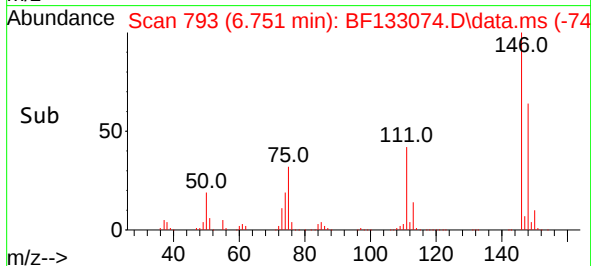
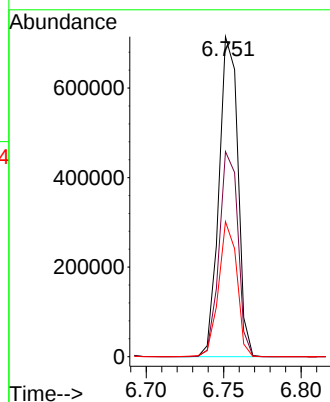
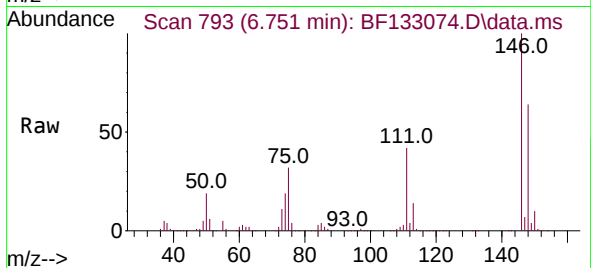
#13  
1,4-Dichlorobenzene  
Concen: 50.433 ng  
RT: 6.751 min Scan# 796  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion:146 Resp: 606810  
Ion Ratio Lower Upper  
146 100  
148 64.1 50.3 75.5  
111 42.2 33.8 50.6

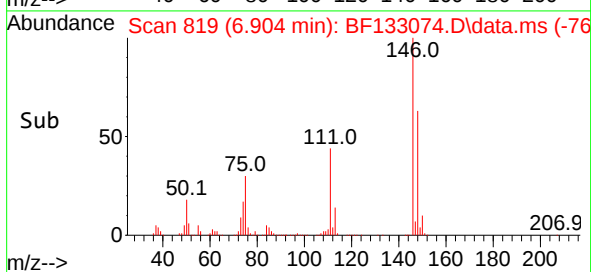
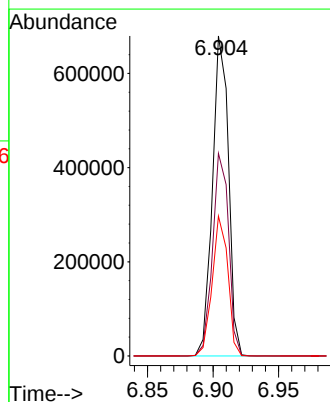
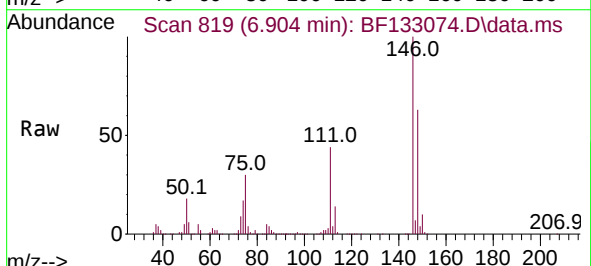
Manual Integrations  
APPROVED

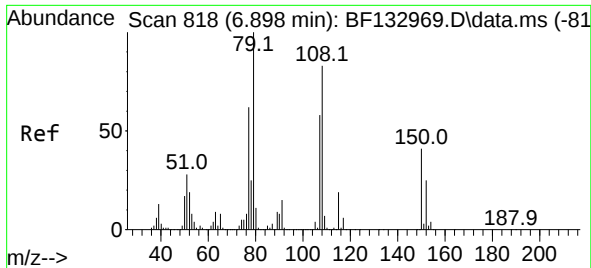
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#14  
1,2-Dichlorobenzene  
Concen: 52.062 ng  
RT: 6.904 min Scan# 819  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

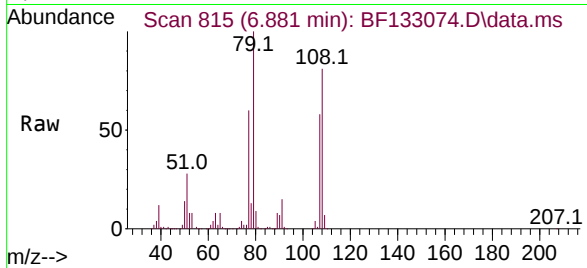
Tgt Ion:146 Resp: 577516  
Ion Ratio Lower Upper  
146 100  
148 63.3 52.2 78.2  
111 43.7 32.8 49.2





#15  
Benzyl Alcohol  
Concen: 49.150 ng  
RT: 6.881 min Scan# 815  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

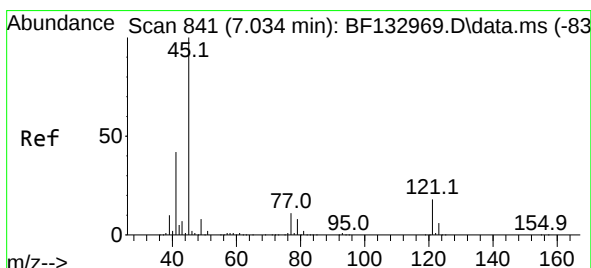
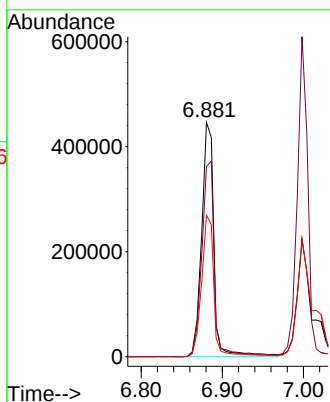
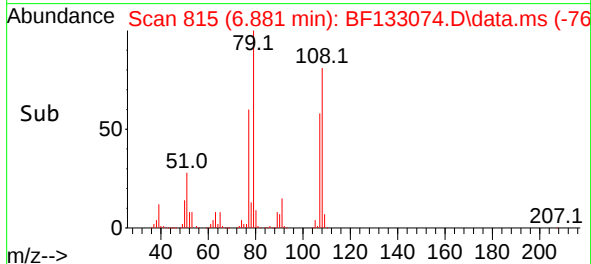
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion: 79 Resp: 468672  
Ion Ratio Lower Upper  
79 100  
108 81.2 66.6 99.8  
77 60.4 49.2 73.8

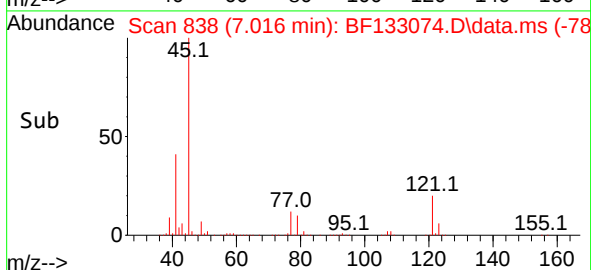
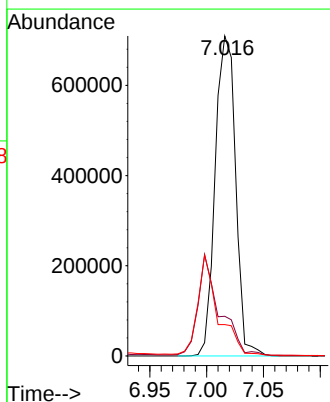
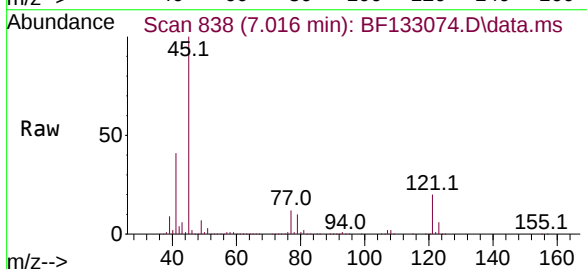
Manual Integrations  
APPROVED

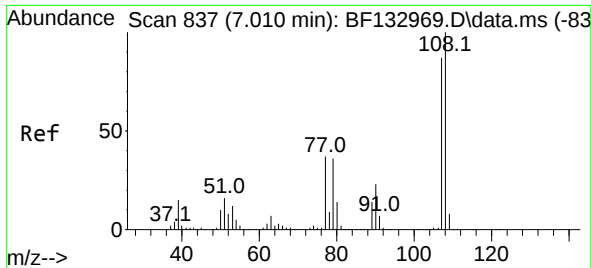
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 44.634 ng  
RT: 7.016 min Scan# 838  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion: 45 Resp: 885908  
Ion Ratio Lower Upper  
45 100  
77 12.4 0.0 31.5  
79 9.8 0.0 28.7





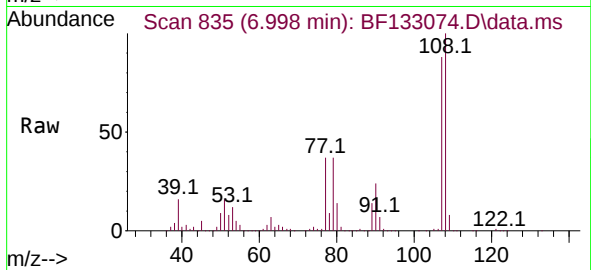
#17  
2-Methylphenol  
Concen: 44.851 ng  
RT: 6.998 min Scan# 811  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

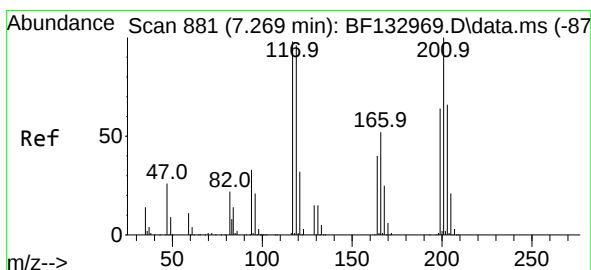
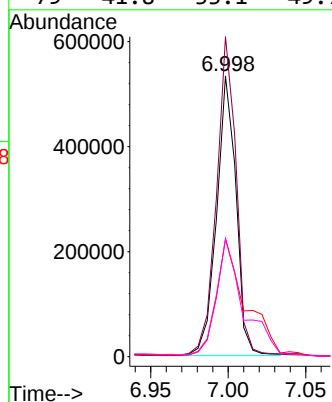
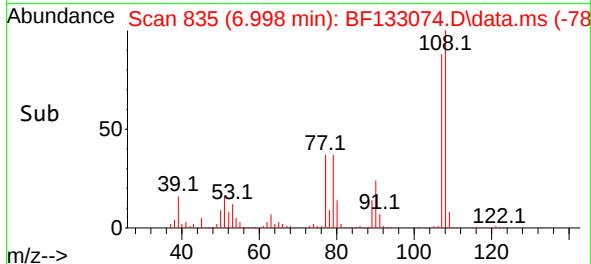


Tgt Ion:107 Resp: 46375  
Ion Ratio Lower Upper  
107 100  
108 114.0 92.4 138.6  
77 42.1 33.8 50.8  
79 41.8 33.1 49.7

Manual Integrations

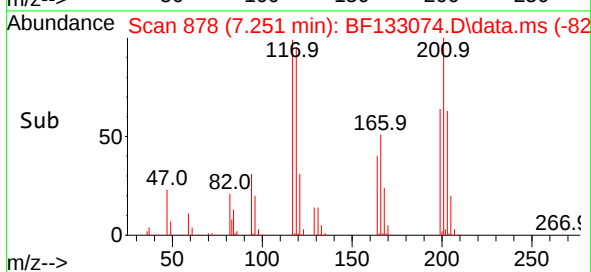
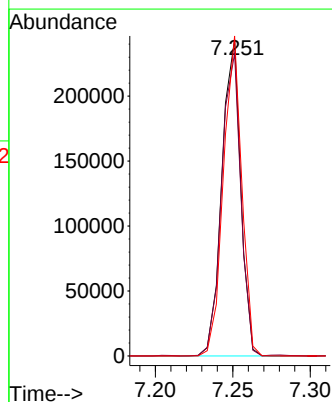
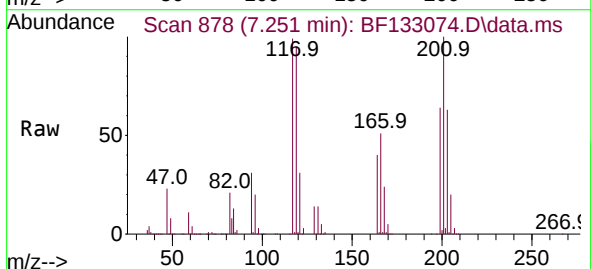
APPROVED

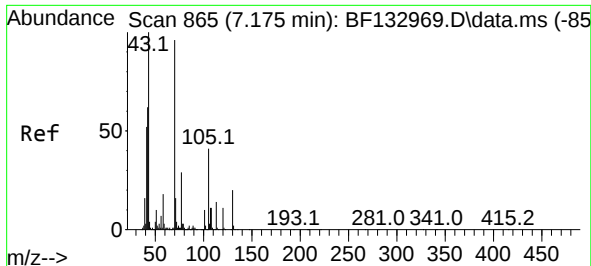
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#18  
Hexachloroethane  
Concen: 49.192 ng  
RT: 7.251 min Scan# 878  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:117 Resp: 205778  
Ion Ratio Lower Upper  
117 100  
119 95.5 78.2 117.4  
201 101.1 81.7 122.5





#19

n-Nitroso-di-n-propylamine

Concen: 43.798 ng

RT: 7.157 min Scan# 80

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion: 70 Resp: 376390

Ion Ratio Lower Upper

70 100

42 62.0 51.8 77.6

101 10.0 8.0 12.0

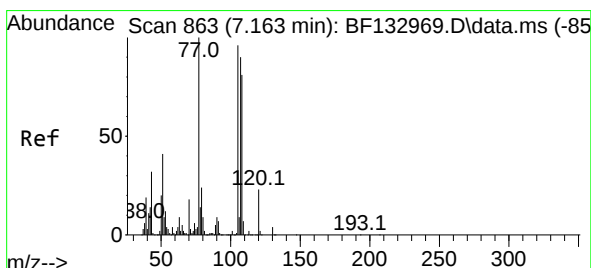
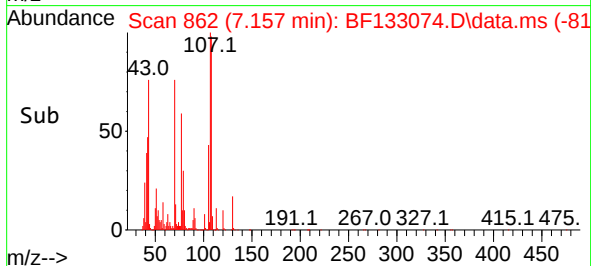
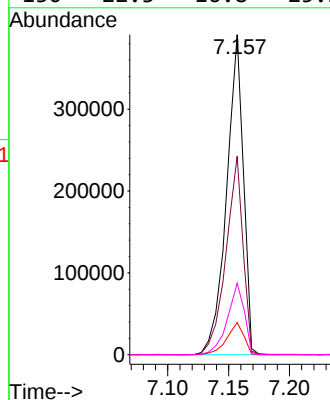
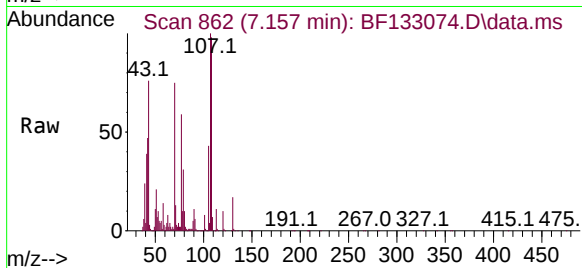
130 22.3 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#20

3+4-Methylphenols

Concen: 46.684 ng

RT: 7.151 min Scan# 861

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Tgt Ion:107 Resp: 568463

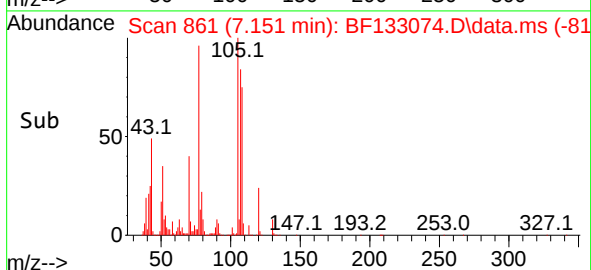
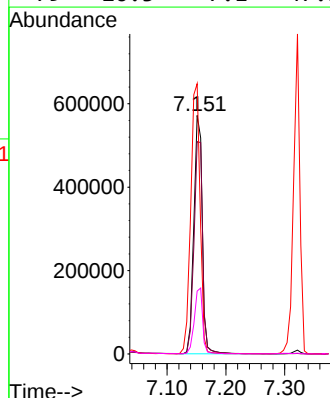
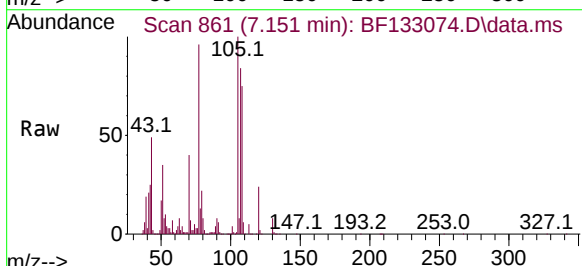
Ion Ratio Lower Upper

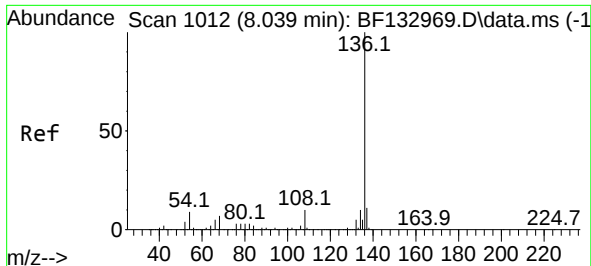
107 100

108 89.1 70.5 110.5

77 113.3 91.7 131.7

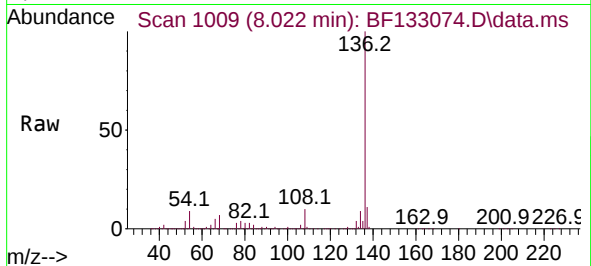
79 26.3 7.1 47.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.022 min Scan# 1012  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

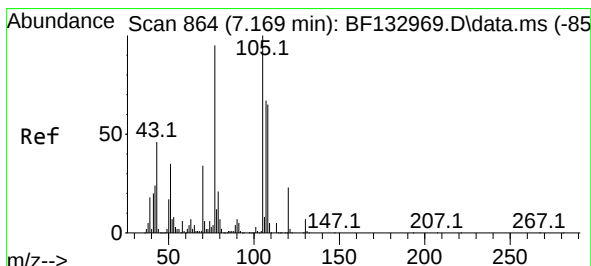
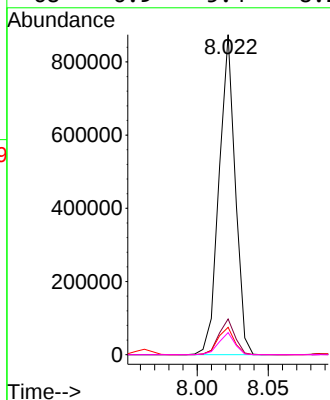
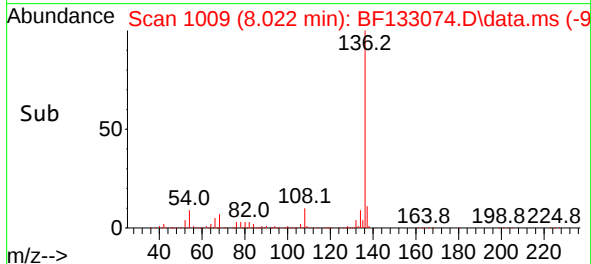
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 691110 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 11.1  | 8.6   | 13.0   |
| 54        | 8.5   | 7.0   | 10.4   |
| 68        | 6.9   | 5.4   | 8.2    |

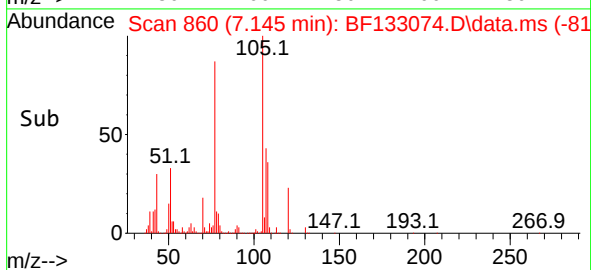
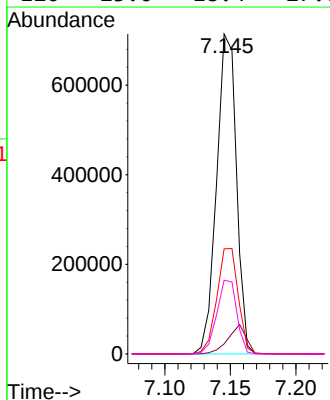
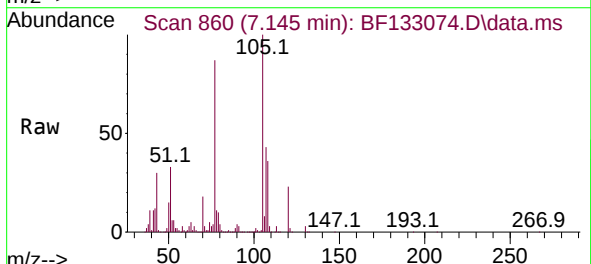
Manual Integrations  
APPROVED

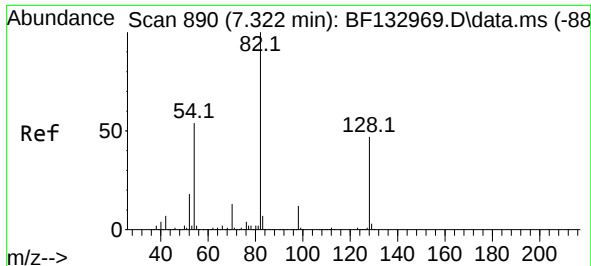
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#22  
Acetophenone  
Concen: 46.885 ng  
RT: 7.145 min Scan# 860  
Delta R.T. -0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 750590 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 3.2   | 4.6   | 7.0#   |
| 51        | 32.9  | 28.2  | 42.2   |
| 120       | 23.0  | 18.4  | 27.6   |





#23

Nitrobenzene-d5

Concen: 71.278 ng

RT: 7.304 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion: 82 Resp: 91262

Ion Ratio Lower Upper

82 100

128 49.0 37.7 56.5

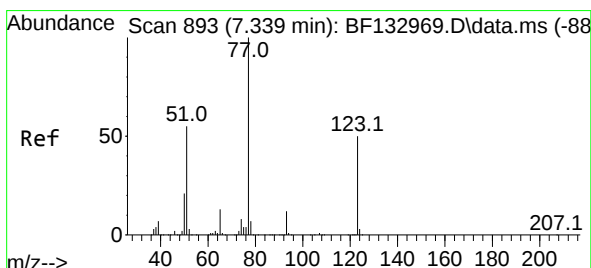
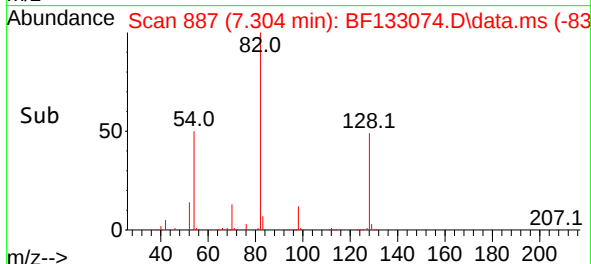
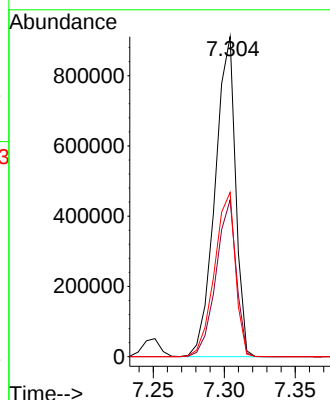
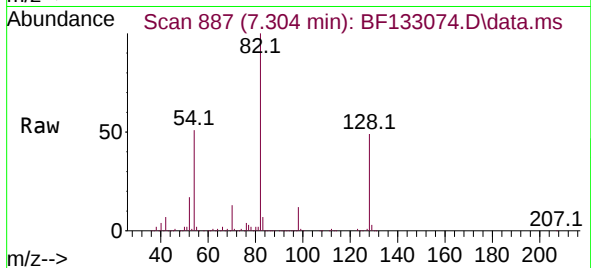
54 51.4 43.0 64.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#24

Nitrobenzene

Concen: 44.377 ng

RT: 7.322 min Scan# 890

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

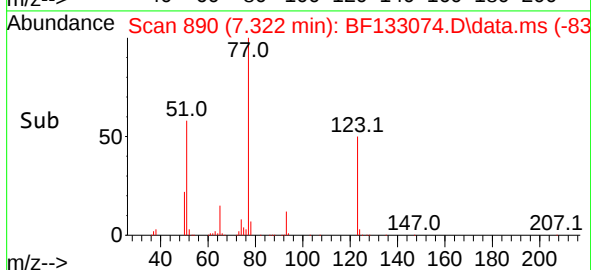
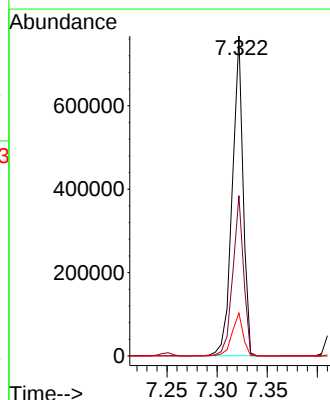
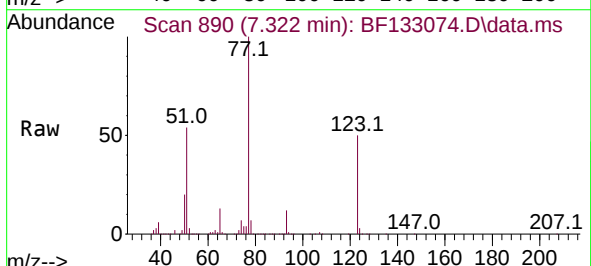
Tgt Ion: 77 Resp: 575773

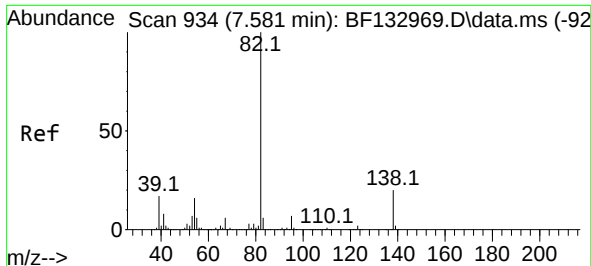
Ion Ratio Lower Upper

77 100

123 50.1 39.9 59.9

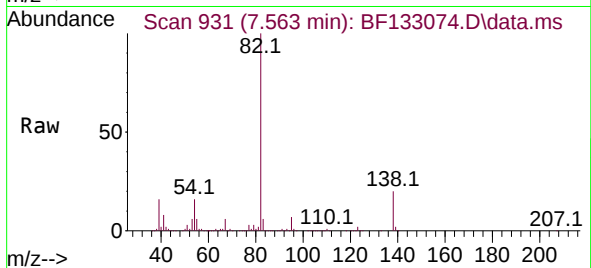
65 13.4 10.7 16.1





#25  
Isophorone  
Concen: 44.491 ng  
RT: 7.563 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

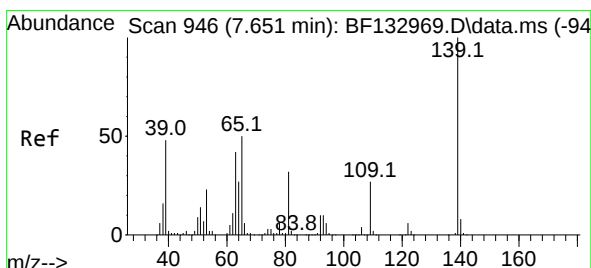
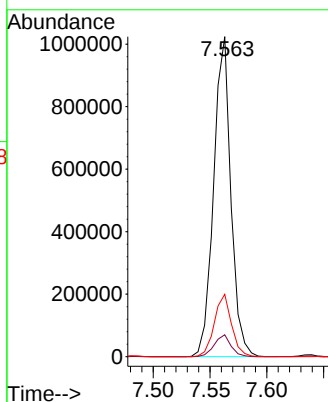
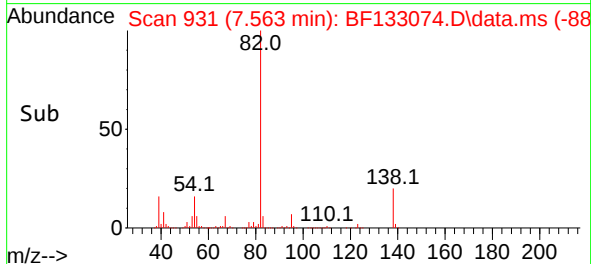
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion: 82 Resp: 1081589  
Ion Ratio Lower Upper  
82 100  
95 6.8 5.4 8.0  
138 19.5 16.0 24.0

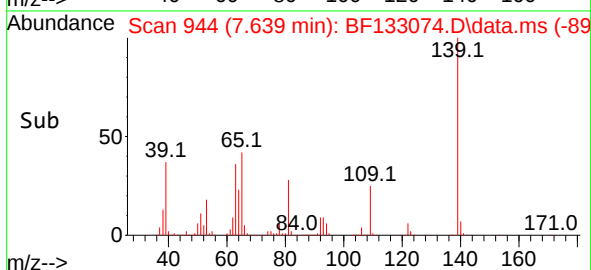
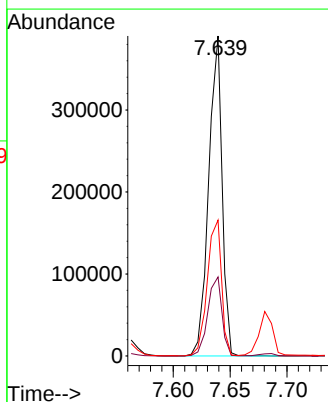
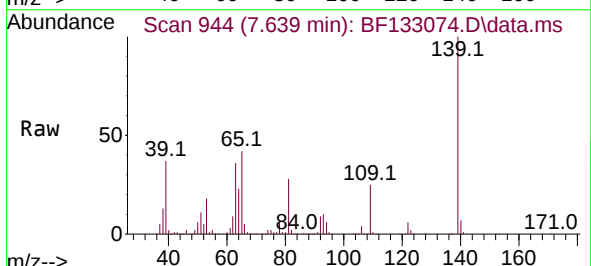
Manual Integrations  
APPROVED

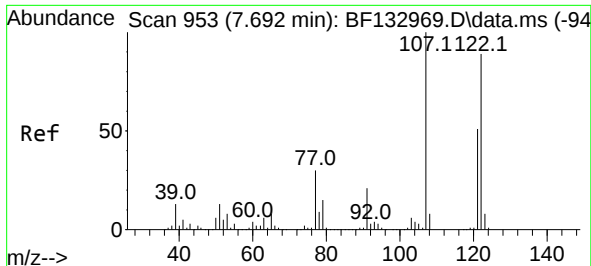
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#26  
2-Nitrophenol  
Concen: 51.086 ng  
RT: 7.639 min Scan# 944  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:139 Resp: 319696  
Ion Ratio Lower Upper  
139 100  
109 24.7 21.6 32.4  
65 42.4 39.8 59.6





#27  
2,4-Dimethylphenol  
Concen: 48.626 ng  
RT: 7.681 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

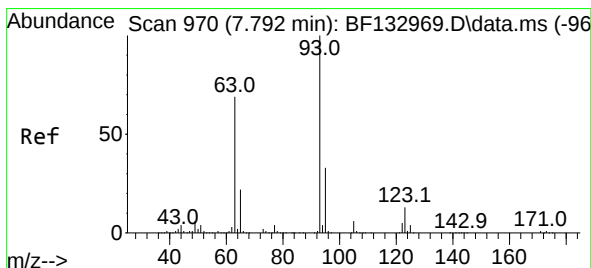
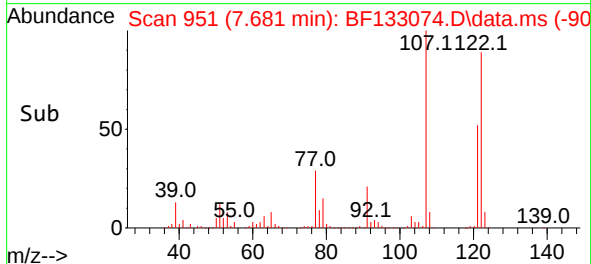
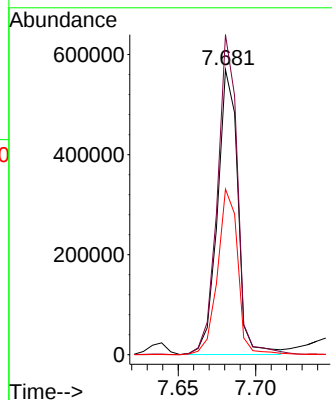
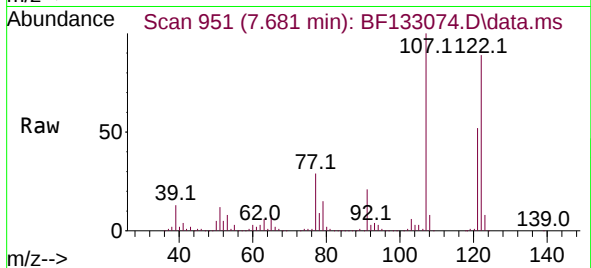
ClientSampleId :

S2S-TP3MSD

Tgt Ion:122 Resp: 52178  
Ion Ratio Lower Upper  
122 100  
107 112.3 89.7 134.5  
121 58.1 46.0 69.0

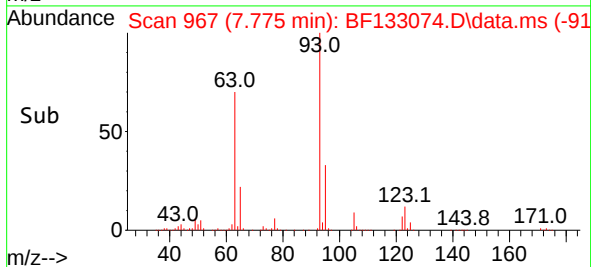
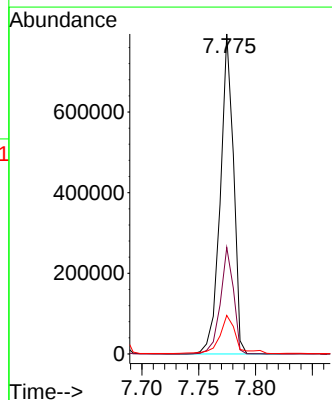
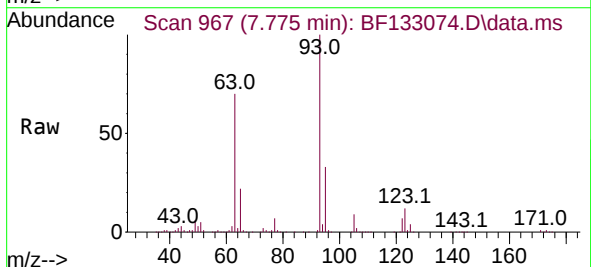
Manual Integrations  
APPROVED

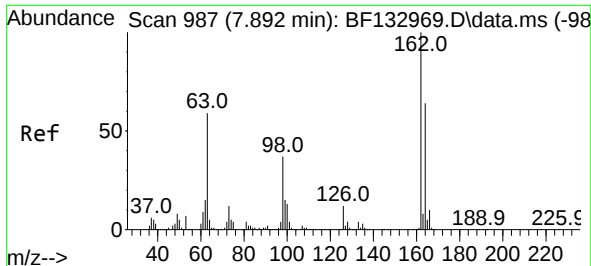
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 44.668 ng  
RT: 7.775 min Scan# 967  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion: 93 Resp: 642388  
Ion Ratio Lower Upper  
93 100  
95 33.3 26.4 39.6  
123 12.1 10.3 15.5





#29

2,4-Dichlorophenol

Concen: 48.424 ng

RT: 7.880 min Scan# 990

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

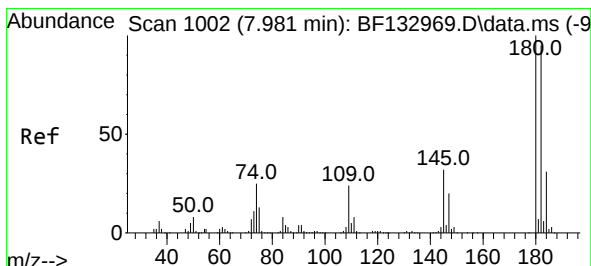
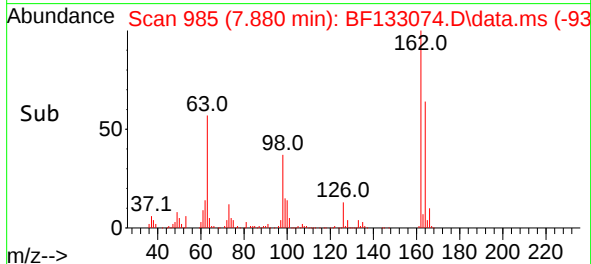
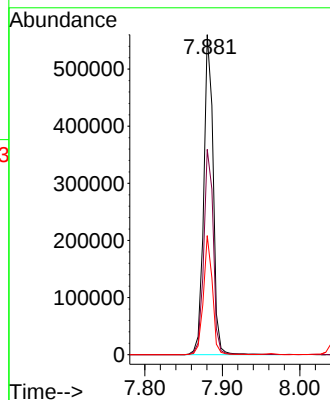
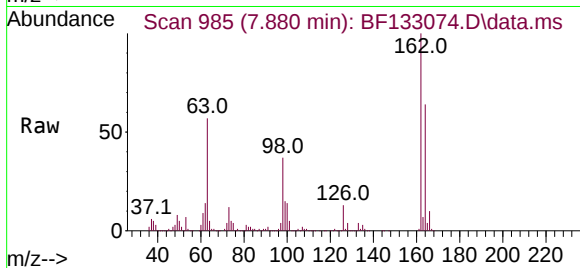
S2S-TP3MSD

Tgt Ion:162 Resp: 473034  
 Ion Ratio Lower Upper  
 162 100  
 164 64.2 43.9 83.9  
 98 37.2 17.0 57.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023  
 Supervised By :Jagrut Upadhyay 04/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 48.303 ng

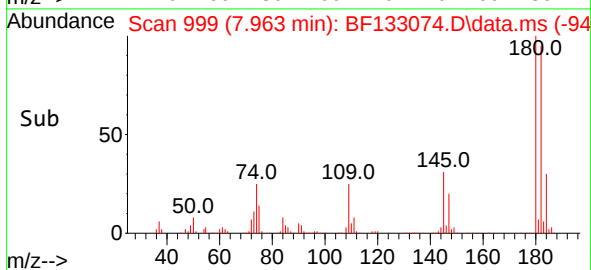
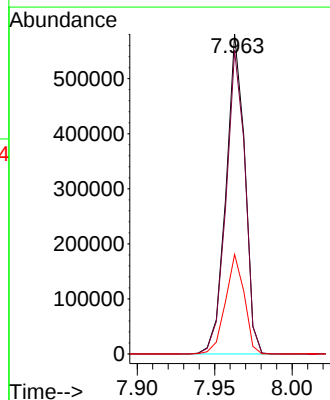
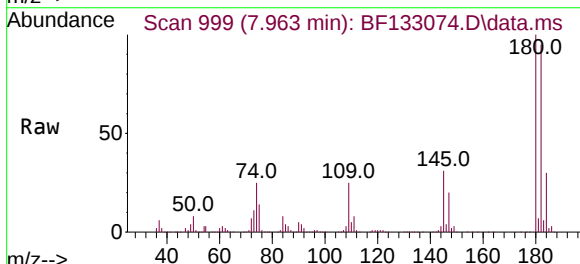
RT: 7.963 min Scan# 999

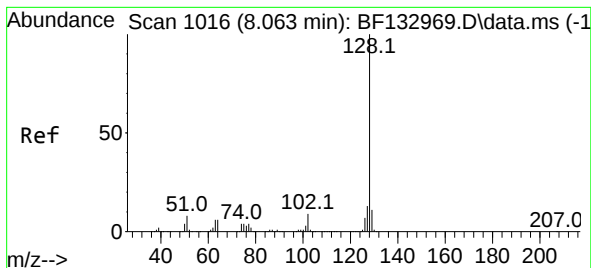
Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

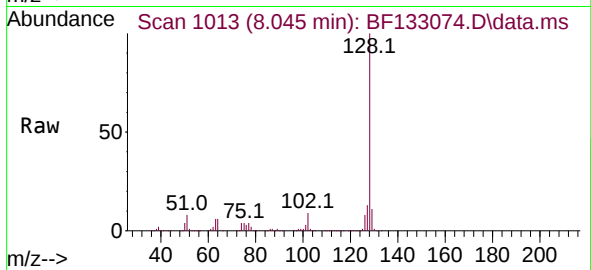
Tgt Ion:180 Resp: 488838  
 Ion Ratio Lower Upper  
 180 100  
 182 94.8 75.9 113.9  
 145 31.1 25.3 37.9





#31  
Naphthalene  
Concen: 46.028 ng  
RT: 8.045 min Scan# 1016  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

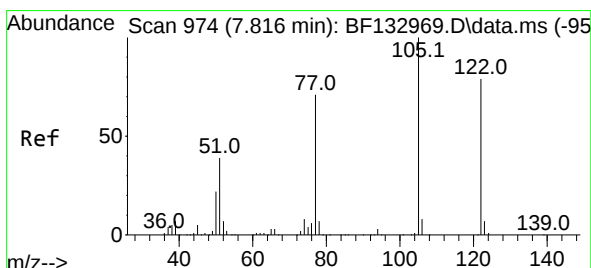
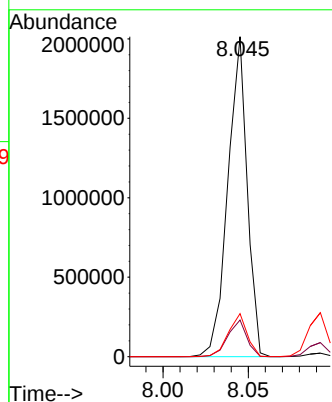
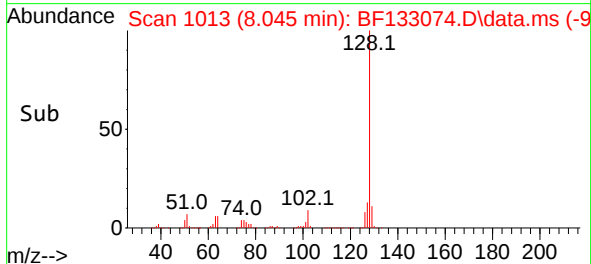
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:128 Resp: 159041  
Ion Ratio Lower Upper  
128 100  
129 11.4 8.8 13.2  
127 13.4 10.7 16.1

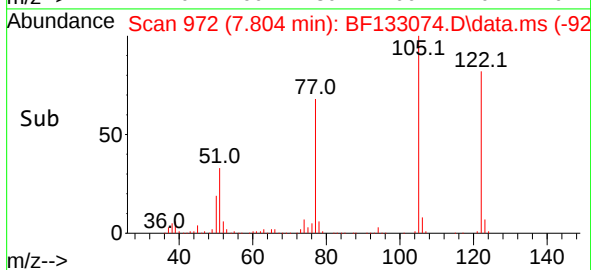
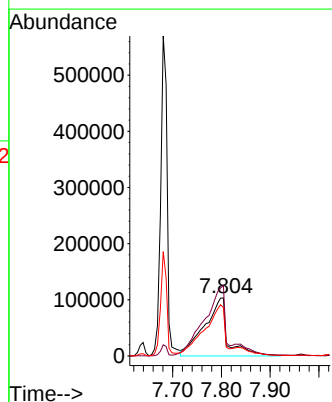
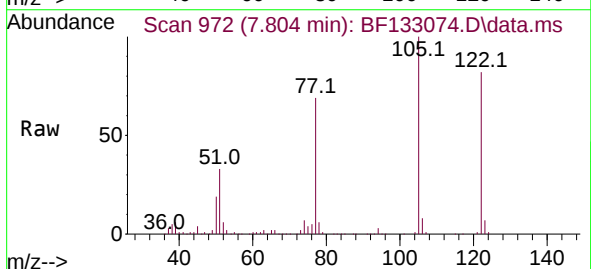
Manual Integrations  
APPROVED

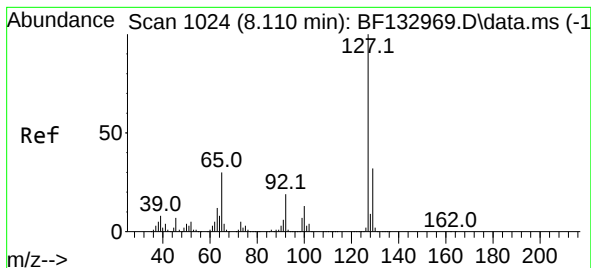
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#32  
Benzoic acid  
Concen: 52.665 ng m  
RT: 7.804 min Scan# 972  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:122 Resp: 349075  
Ion Ratio Lower Upper  
122 100  
105 121.3 104.2 144.2  
77 83.3 69.7 109.7





#33  
4-Chloroaniline  
Concen: 16.720 ng  
RT: 8.092 min Scan# 1021  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

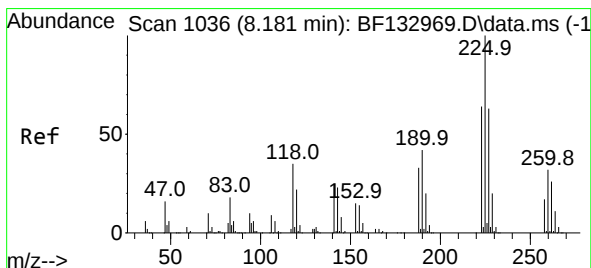
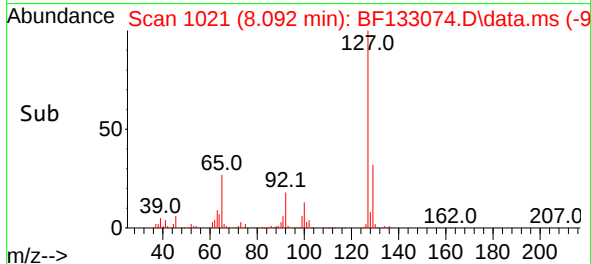
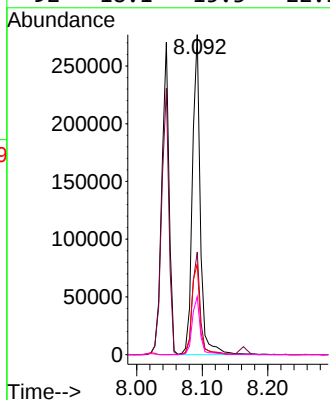
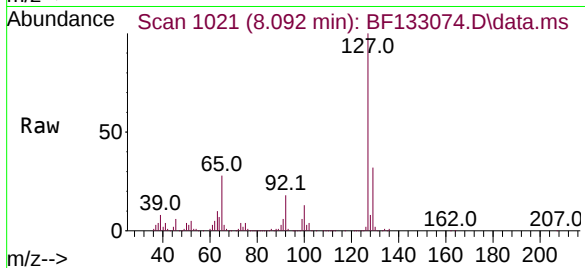
S2S-TP3MSD

Tgt Ion:127 Resp: 233430  
Ion Ratio Lower Upper  
127 100  
129 32.0 25.8 38.8  
65 28.2 23.6 35.4  
92 18.1 15.3 22.9

Manual Integrations

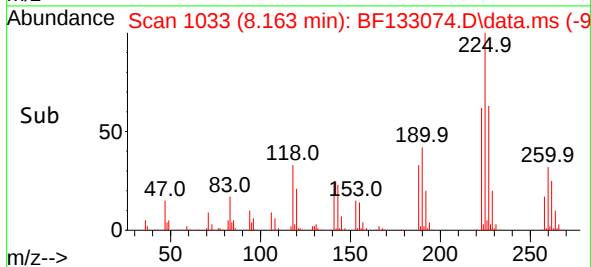
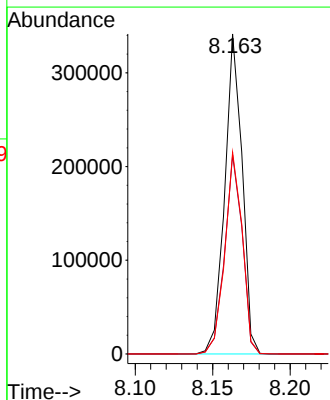
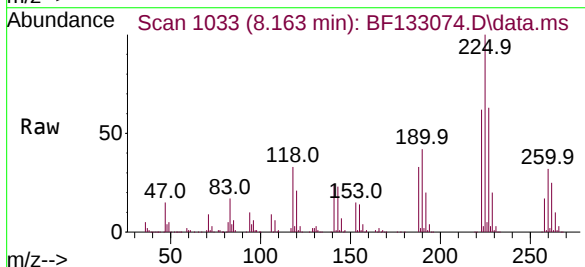
APPROVED

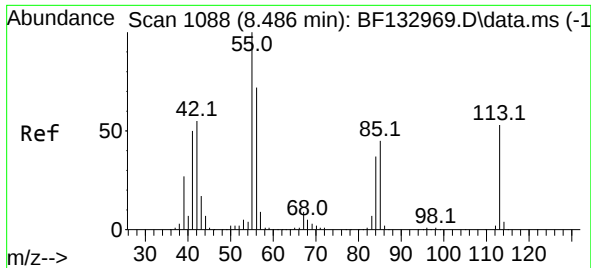
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#34  
Hexachlorobutadiene  
Concen: 47.513 ng  
RT: 8.163 min Scan# 1033  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

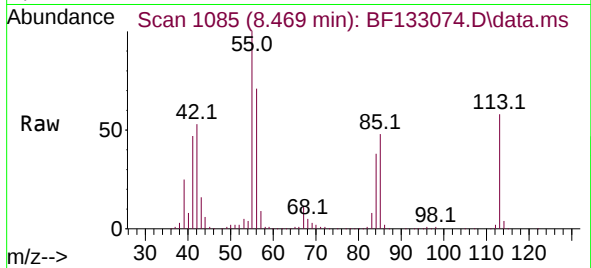
Tgt Ion:225 Resp: 266505  
Ion Ratio Lower Upper  
225 100  
223 62.2 50.9 76.3  
227 63.0 50.3 75.5





#35  
Caprolactam  
Concen: 52.521 ng m  
RT: 8.469 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

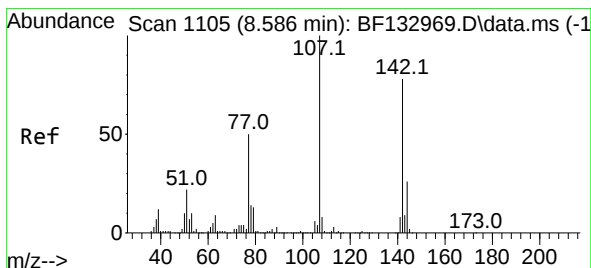
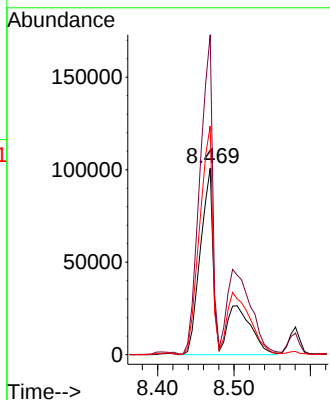
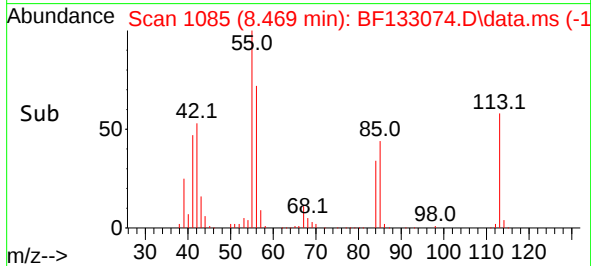
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:113 Resp: 172350  
Ion Ratio Lower Upper  
113 100  
55 171.7 167.1 207.1  
56 122.7 114.5 154.5

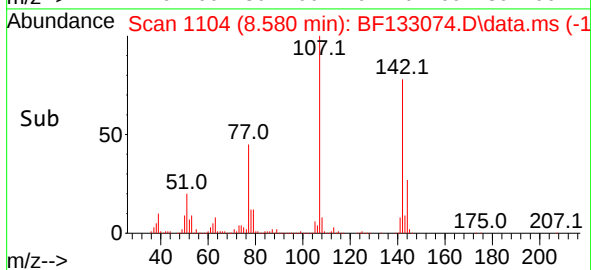
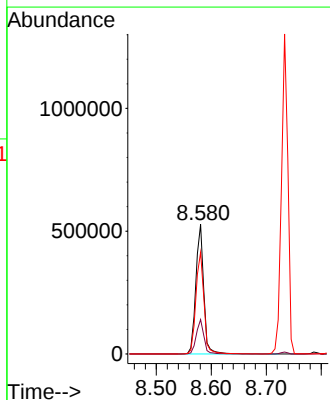
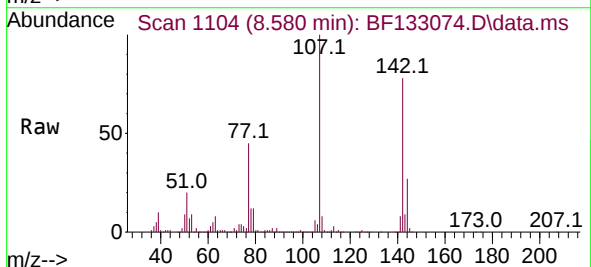
Manual Integrations  
APPROVED

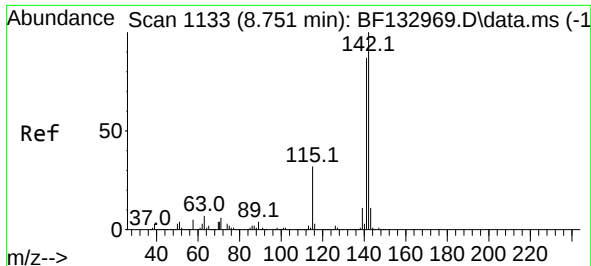
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#36  
4-Chloro-3-methylphenol  
Concen: 49.713 ng  
RT: 8.580 min Scan# 1104  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:107 Resp: 523690  
Ion Ratio Lower Upper  
107 100  
144 26.6 20.6 30.8  
142 78.4 62.8 94.2





#37

2-Methylnaphthalene

Concen: 44.899 ng

RT: 8.733 min Scan# 1133

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:142 Resp: 1060658

Ion Ratio Lower Upper

142 100

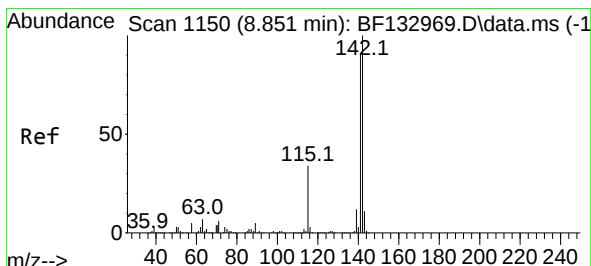
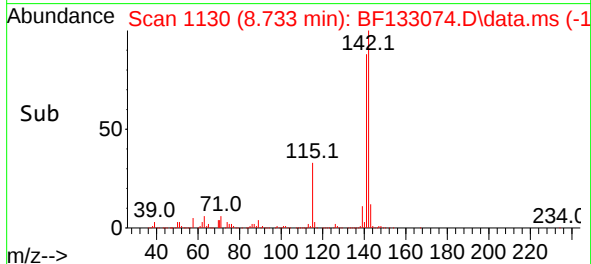
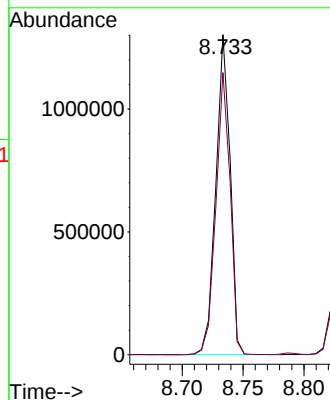
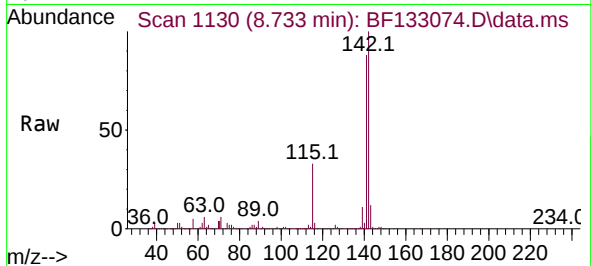
141 88.1 69.4 104.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#38

1-Methylnaphthalene

Concen: 45.227 ng

RT: 8.833 min Scan# 1147

Delta R.T. 0.000 min

Lab File: BF133074.D

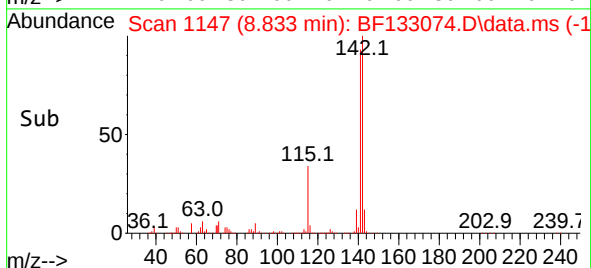
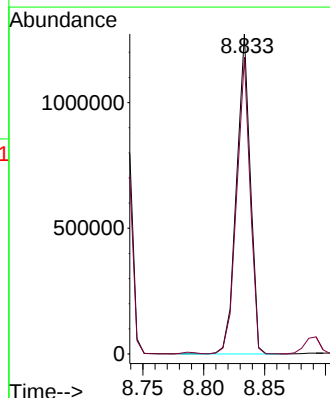
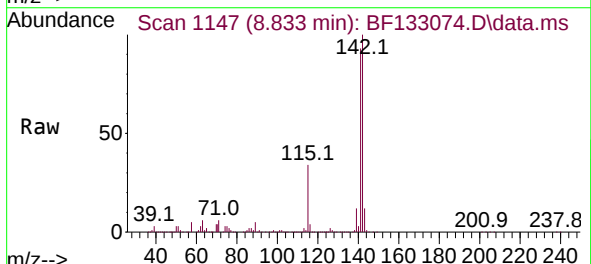
Acq: 26 Apr 2023 20:02

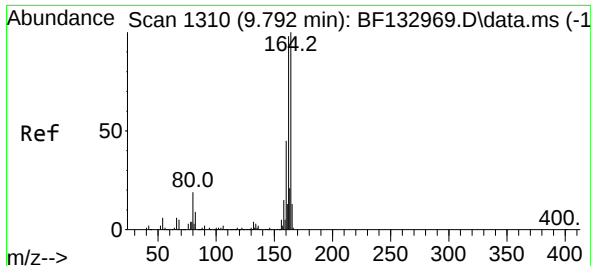
Tgt Ion:142 Resp: 999470

Ion Ratio Lower Upper

142 100

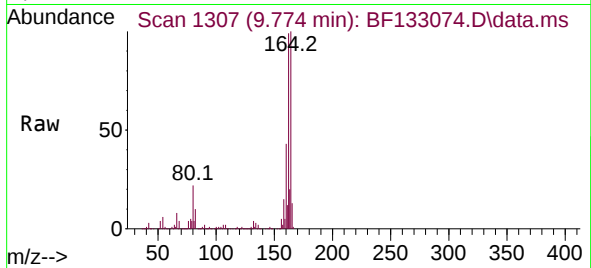
141 92.7 73.1 109.7





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.774 min Scan# 1159  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

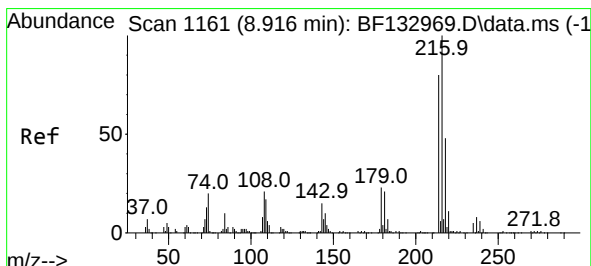
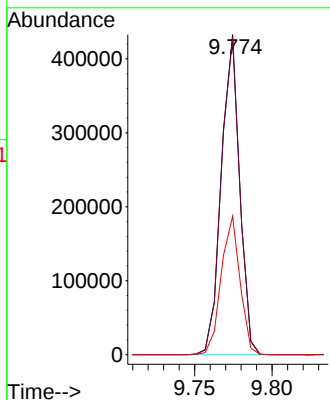
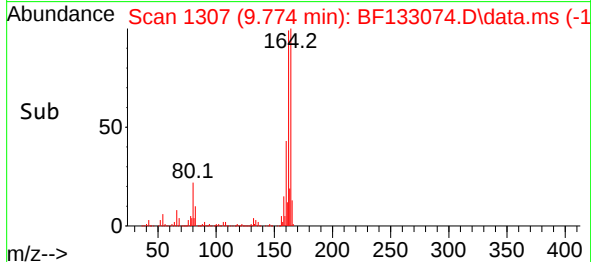
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



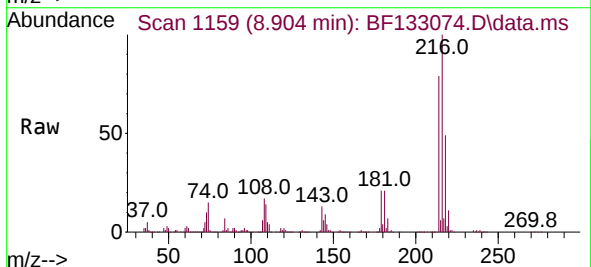
Tgt Ion:164 Resp: 35631  
Ion Ratio Lower Upper  
164 100  
162 99.1 78.7 118.1  
160 43.3 35.8 53.6

Manual Integrations  
APPROVED

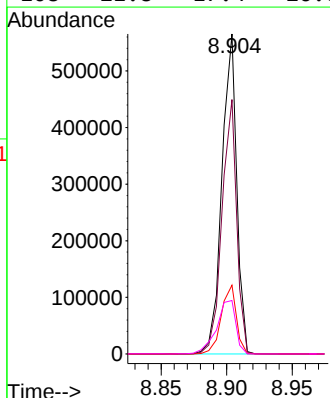
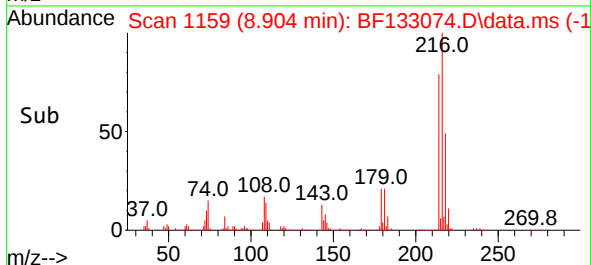
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

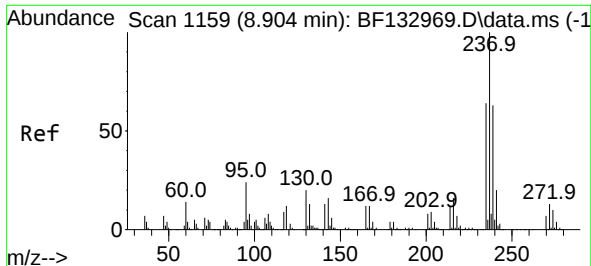


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.276 ng  
RT: 8.904 min Scan# 1159  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



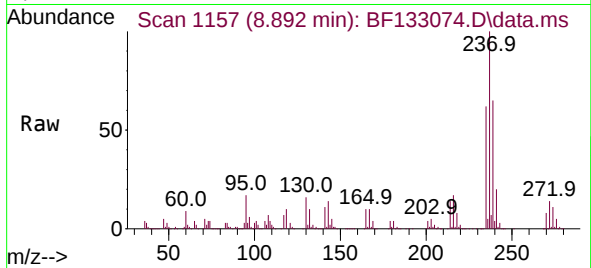
Tgt Ion:216 Resp: 443336  
Ion Ratio Lower Upper  
216 100  
214 78.6 63.5 95.3  
179 21.9 17.4 26.2  
108 21.8 17.4 26.0





#41  
Hexachlorocyclopentadiene  
Concen: 91.109 ng  
RT: 8.892 min Scan# 1157  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

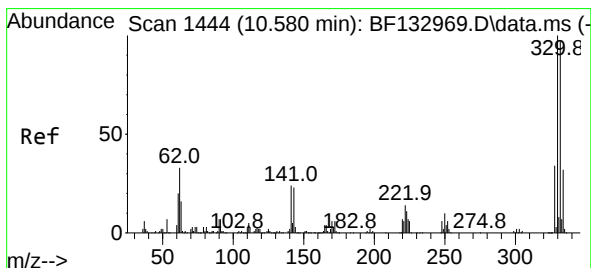
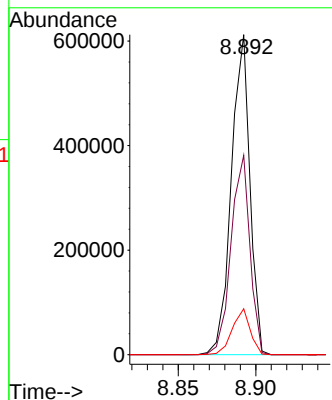
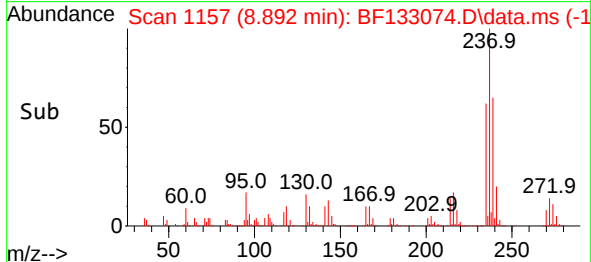
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



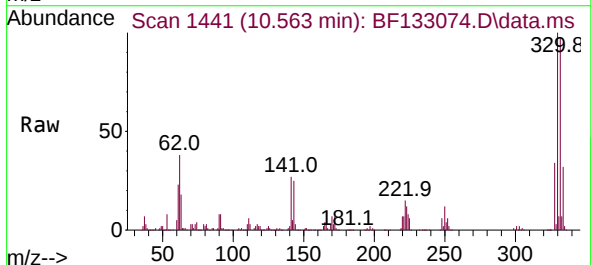
Tgt Ion: 237 Resp: 509044  
Ion Ratio Lower Upper  
237 100  
235 62.3 43.5 83.5  
272 14.3 0.0 32.7

Manual Integrations  
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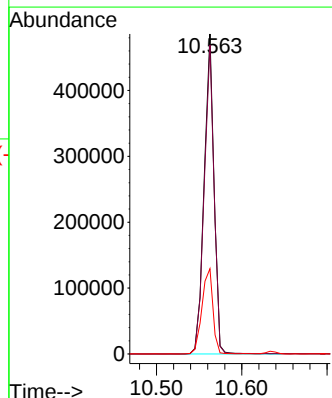
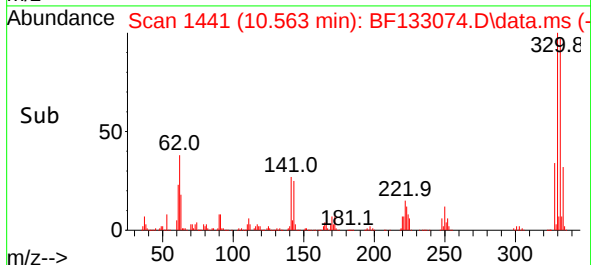
Reviewed By : Christian Giraldo 04/27/2023  
Supervised By : Jagrut Upadhyay 04/27/2023

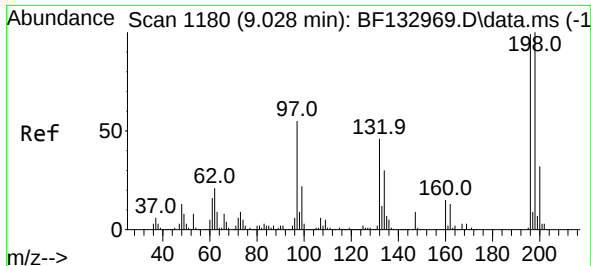


#42  
2,4,6-Tribromophenol  
Concen: 108.723 ng  
RT: 10.563 min Scan# 1441  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



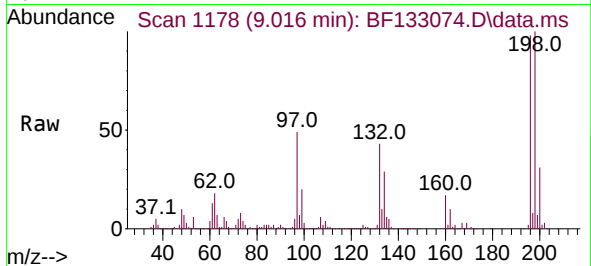
Tgt Ion: 330 Resp: 389596  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.1 115.7  
141 29.7 25.8 38.8





#43  
2,4,6-Trichlorophenol  
Concen: 49.231 ng  
RT: 9.016 min Scan# 1180  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

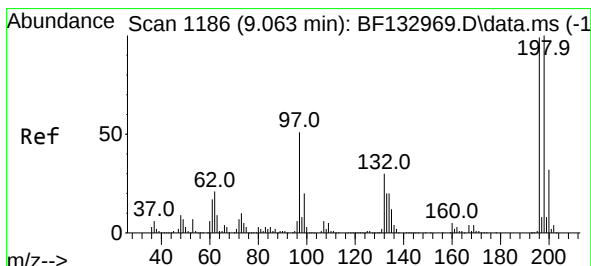
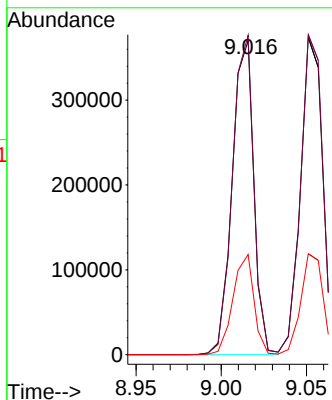
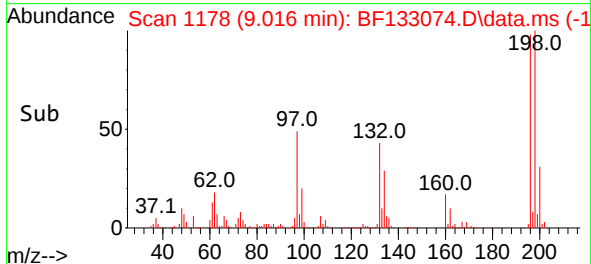
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:196 Resp: 32617  
Ion Ratio Lower Upper  
196 100  
198 101.7 81.0 121.6  
200 31.9 26.1 39.1

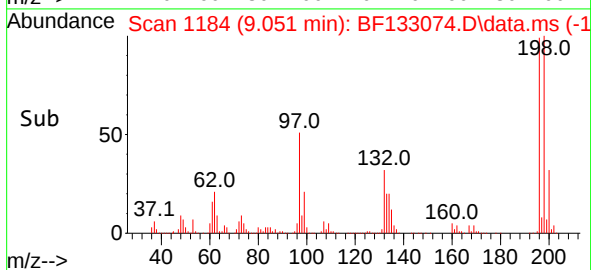
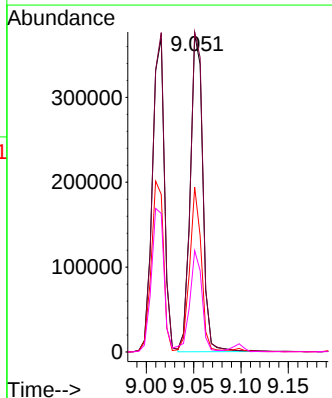
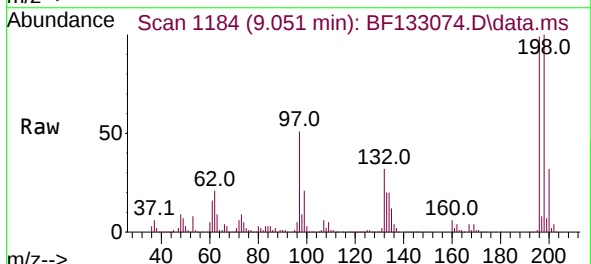
Manual Integrations  
APPROVED

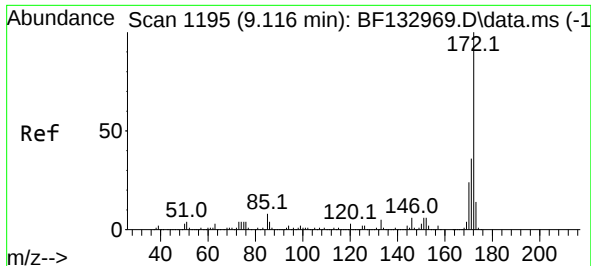
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#44  
2,4,5-Trichlorophenol  
Concen: 45.189 ng  
RT: 9.051 min Scan# 1184  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

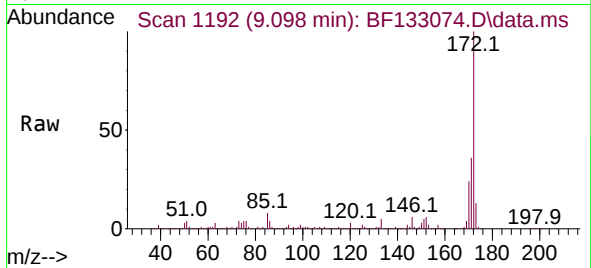
Tgt Ion:196 Resp: 346255  
Ion Ratio Lower Upper  
196 100  
198 100.9 80.9 121.3  
97 51.9 41.3 61.9  
132 31.9 24.7 37.1





#45  
2-Fluorobiphenyl  
Concen: 73.379 ng  
RT: 9.098 min Scan# 1195  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

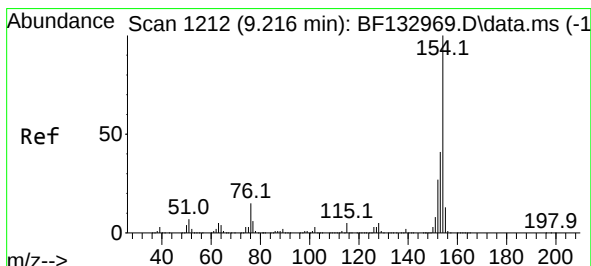
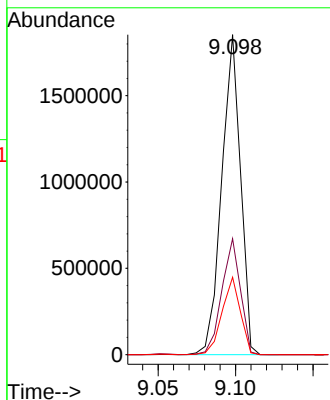
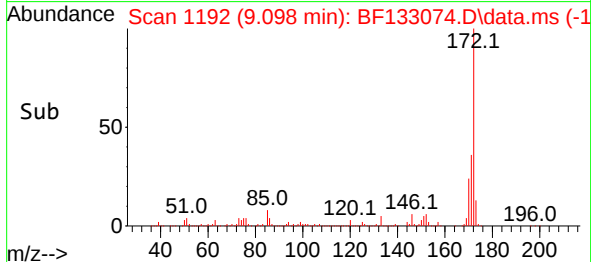
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



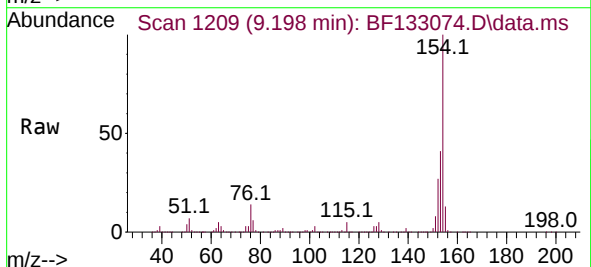
Tgt Ion:172 Resp: 156280  
Ion Ratio Lower Upper  
172 100  
171 36.3 28.8 43.2  
170 24.2 19.4 29.2

Manual Integrations  
APPROVED

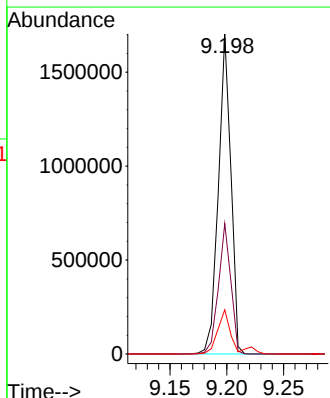
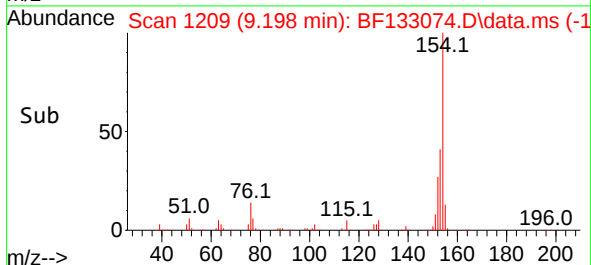
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

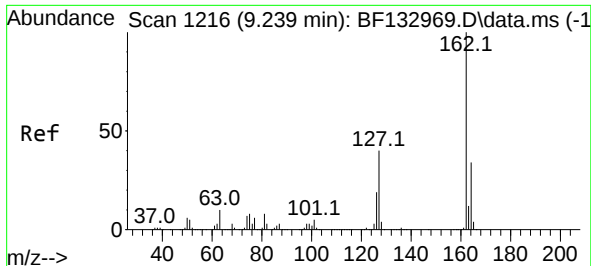


#46  
1,1'-Biphenyl  
Concen: 46.181 ng  
RT: 9.198 min Scan# 1209  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:154 Resp: 1304779  
Ion Ratio Lower Upper  
154 100  
153 40.8 21.0 61.0  
76 13.8 0.0 34.5





#47

2-Chloronaphthalene

Concen: 47.787 ng

RT: 9.222 min Scan# 1213

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

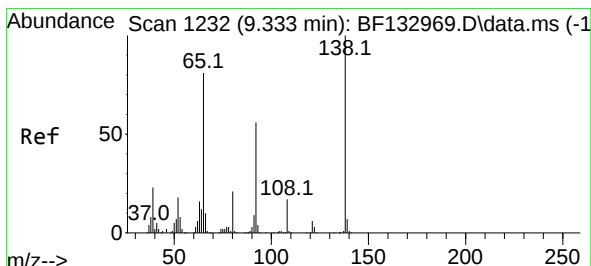
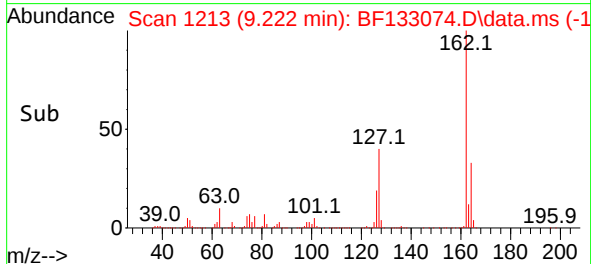
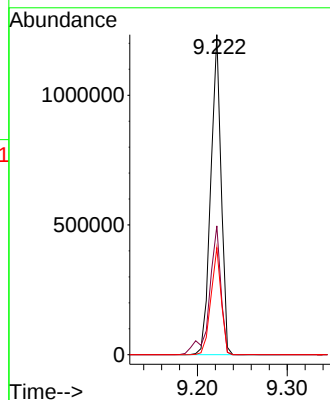
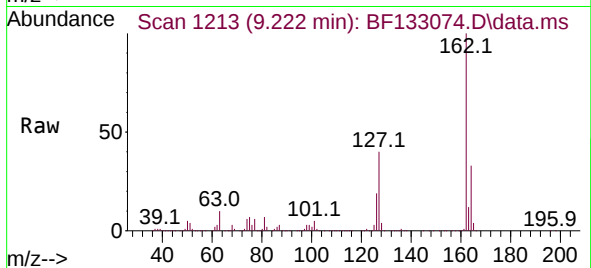
S2S-TP3MSD

Tgt Ion:162 Resp: 988224  
 Ion Ratio Lower Upper  
 162 100  
 127 40.2 32.3 48.5  
 164 33.5 26.8 40.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023  
 Supervised By :Jagrut Upadhyay 04/27/2023



#48

2-Nitroaniline

Concen: 47.163 ng

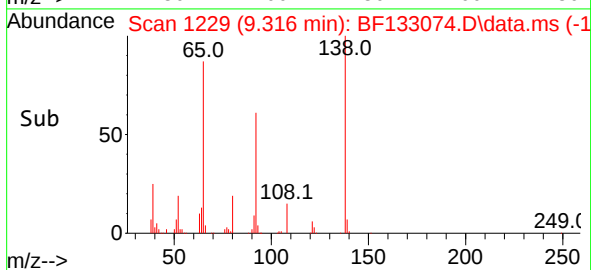
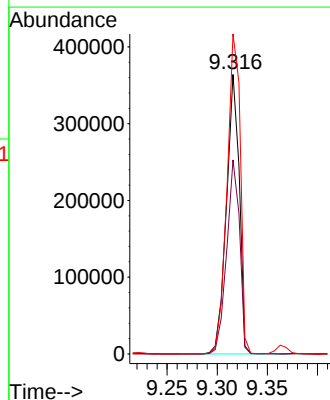
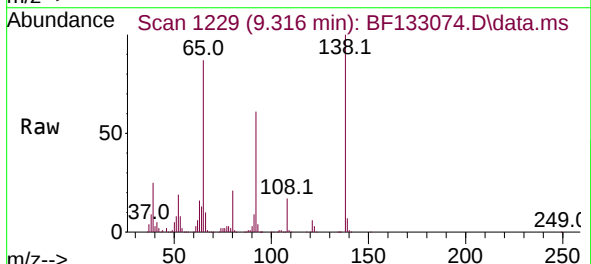
RT: 9.316 min Scan# 1229

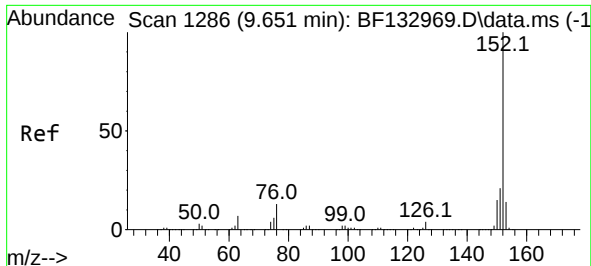
Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

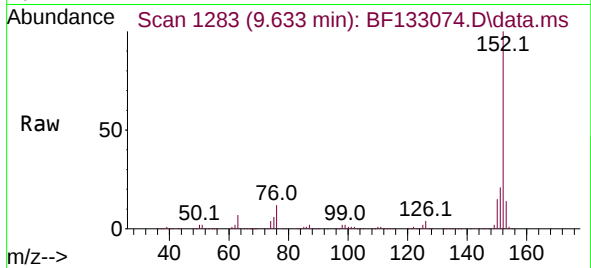
Tgt Ion: 65 Resp: 322344  
 Ion Ratio Lower Upper  
 65 100  
 92 69.4 55.4 83.0  
 138 114.5 98.2 147.2





#49  
Acenaphthylene  
Concen: 46.910 ng  
RT: 9.633 min Scan# 1283  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

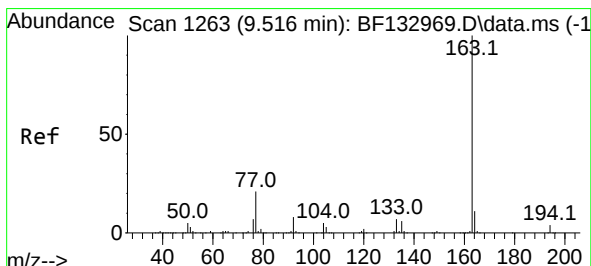
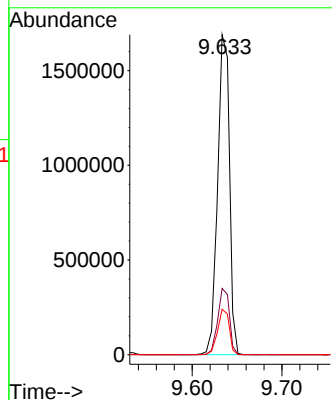
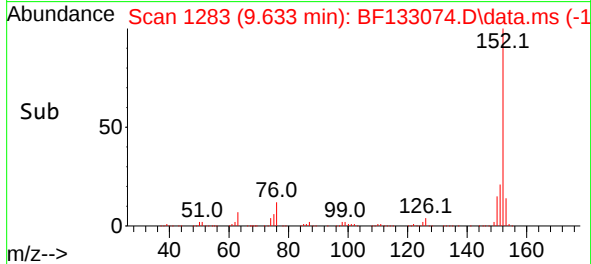
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



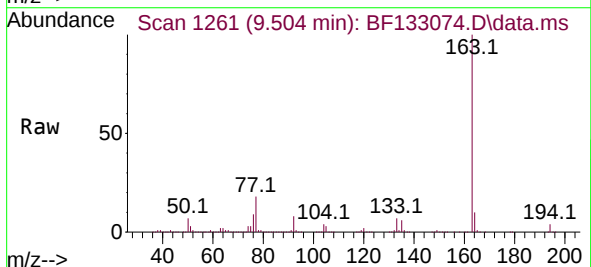
Tgt Ion:152 Resp: 1550059  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.6 24.8  
153 14.2 11.5 17.3

Manual Integrations  
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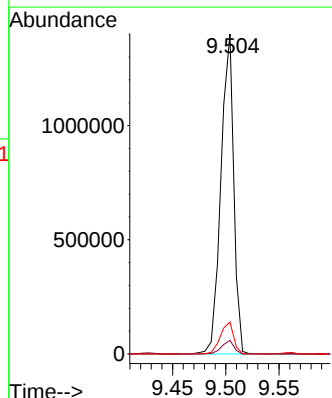
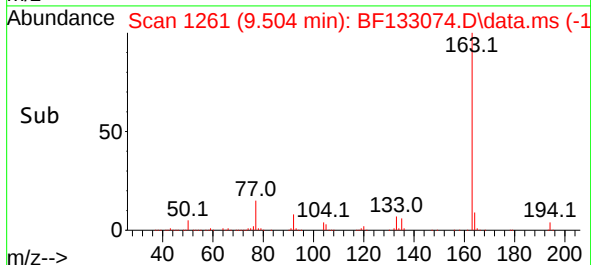
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

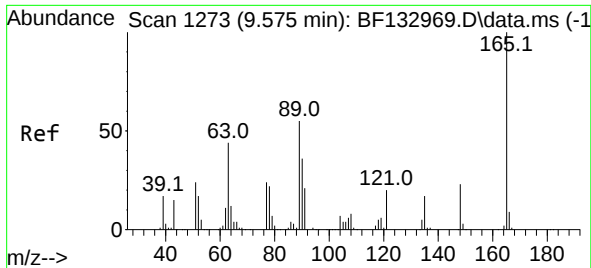


#50  
Dimethylphthalate  
Concen: 47.087 ng  
RT: 9.504 min Scan# 1261  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:163 Resp: 1169879  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.1 4.7  
164 10.0 8.5 12.7





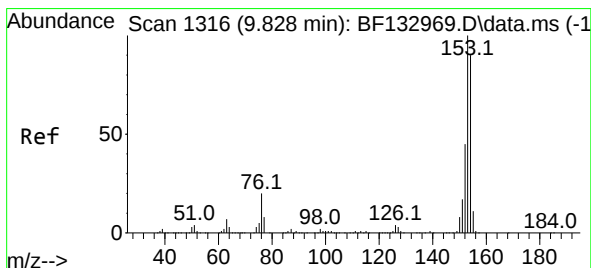
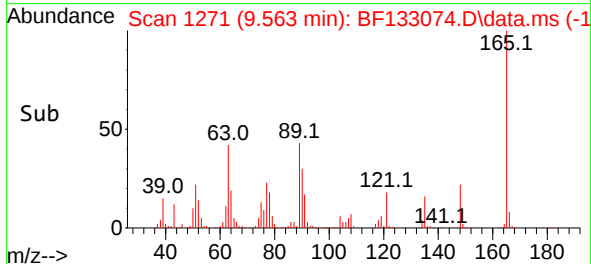
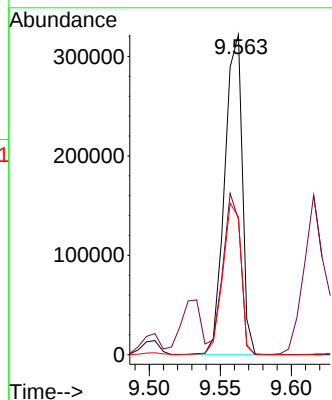
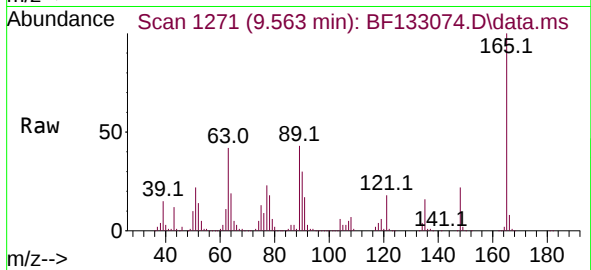
#51  
2,6-Dinitrotoluene  
Concen: 49.535 ng  
RT: 9.563 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion:165 Resp: 276998  
Ion Ratio Lower Upper  
165 100  
63 42.3 45.9 68.9  
89 42.9 44.0 66.0

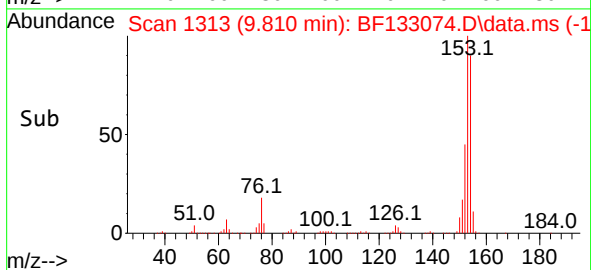
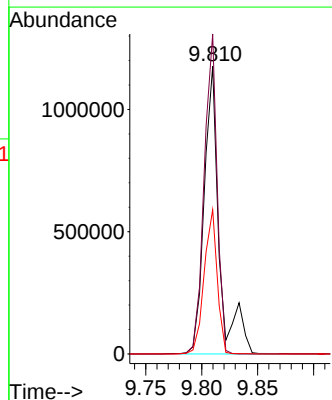
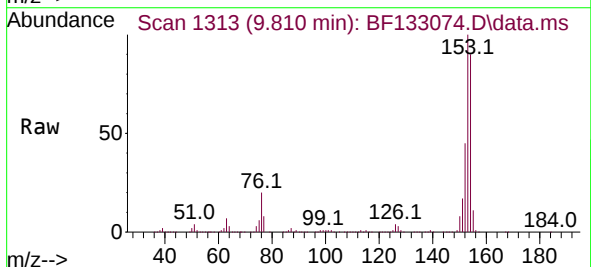
Manual Integrations  
APPROVED

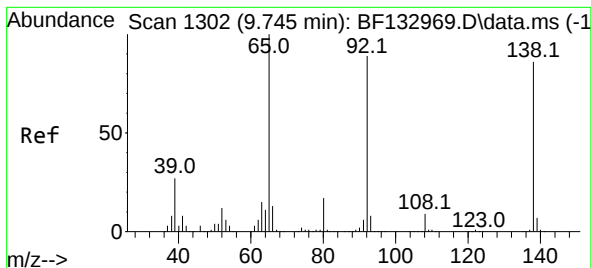
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#52  
Acenaphthene  
Concen: 50.262 ng m  
RT: 9.810 min Scan# 1313  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

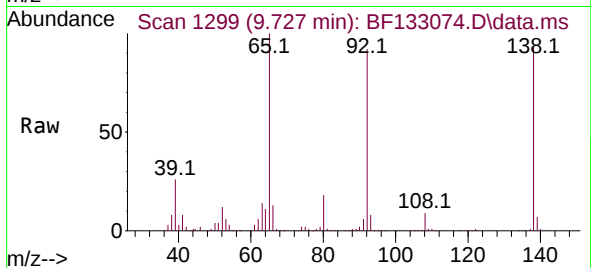
Tgt Ion:154 Resp: 1112348  
Ion Ratio Lower Upper  
154 100  
153 111.3 89.0 133.6  
152 50.2 40.4 60.6





#53  
3-Nitroaniline  
Concen: 31.279 ng  
RT: 9.727 min Scan# 1302  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

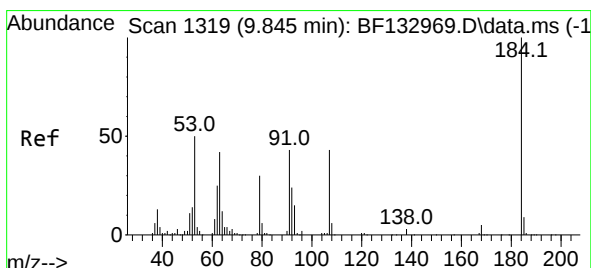
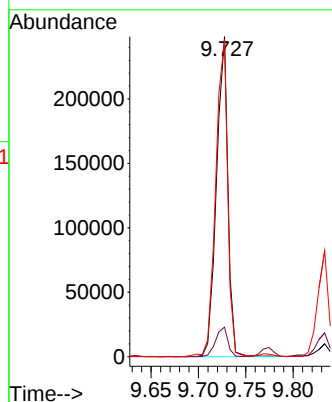
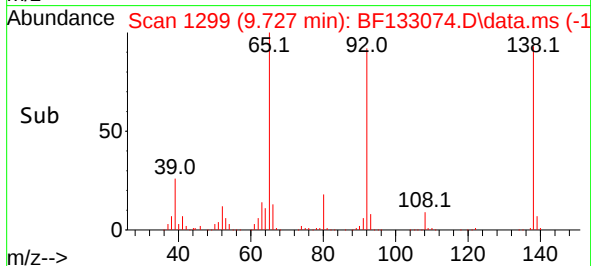
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



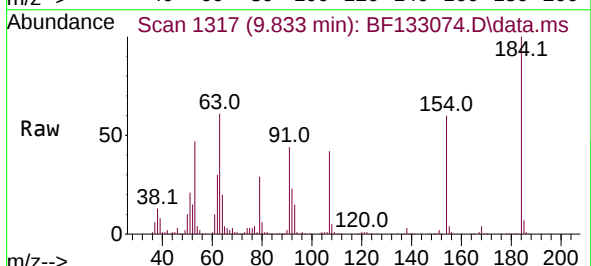
Tgt Ion:138 Resp: 207970  
Ion Ratio Lower Upper  
138 100  
108 9.3 8.0 12.0  
92 99.1 83.6 125.4

Manual Integrations  
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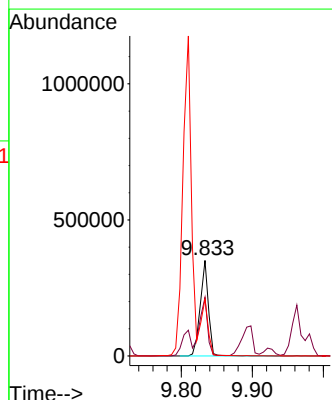
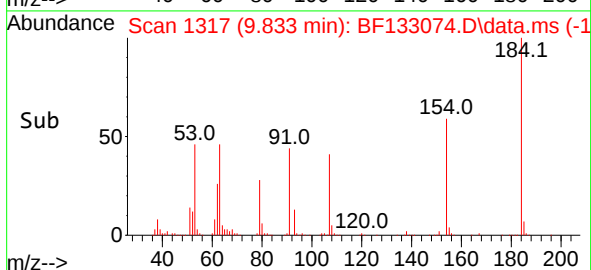
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

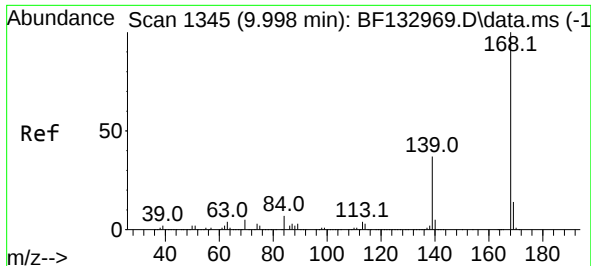


#54  
2,4-Dinitrophenol  
Concen: 101.147 ng  
RT: 9.833 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



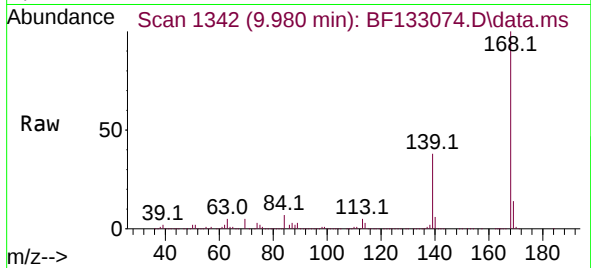
Tgt Ion:184 Resp: 284303  
Ion Ratio Lower Upper  
184 100  
63 61.2 49.8 74.8  
154 59.6 49.5 74.3





#55  
Dibenzenofuran  
Concen: 46.239 ng  
RT: 9.980 min Scan# 1345  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

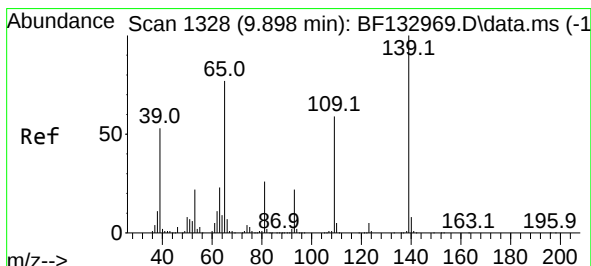
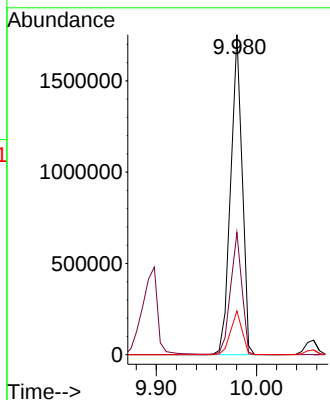
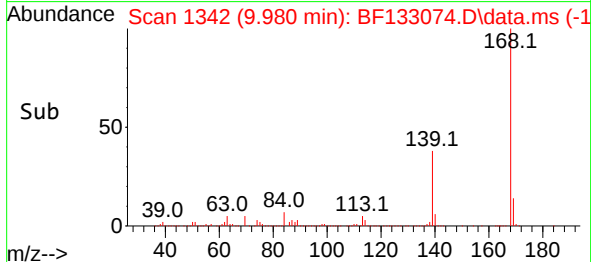
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:168 Resp: 139589  
Ion Ratio Lower Upper  
168 100  
139 38.2 29.8 44.8  
169 13.6 10.8 16.2

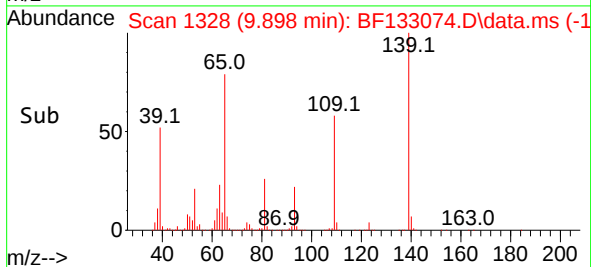
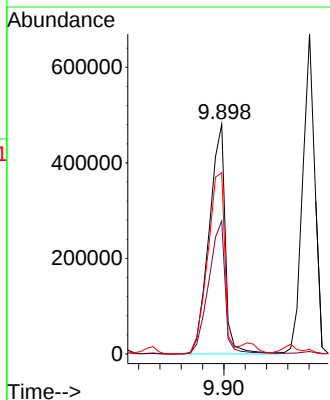
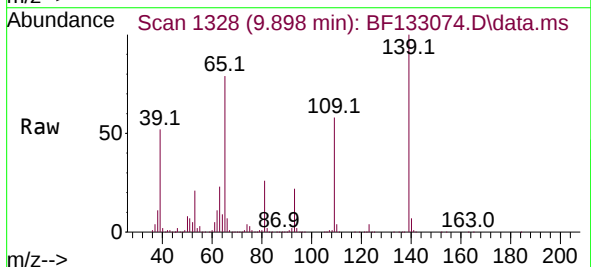
Manual Integrations  
APPROVED

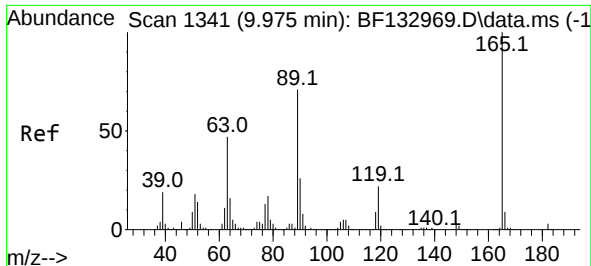
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#56  
4-Nitrophenol  
Concen: 98.164 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. 0.012 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:139 Resp: 505519  
Ion Ratio Lower Upper  
139 100  
109 57.9 39.4 79.4  
65 79.0 57.5 97.5





#57

2,4-Dinitrotoluene

Concen: 51.500 ng

RT: 9.963 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:165 Resp: 36726

Ion Ratio Lower Upper

165 100

63 40.8 37.7 56.5

89 64.4 57.0 85.4

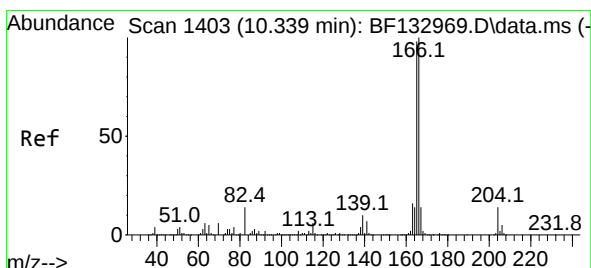
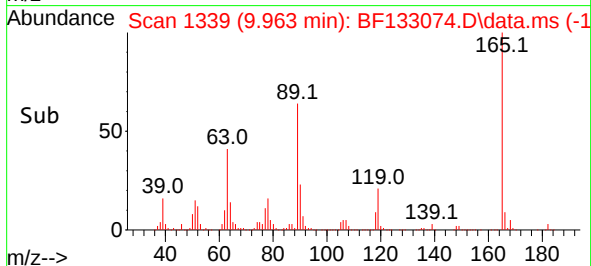
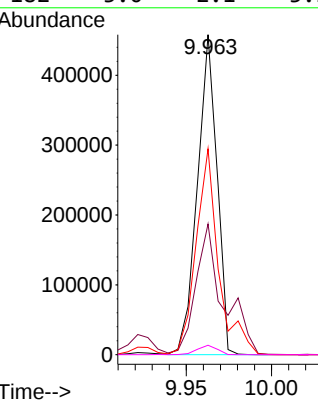
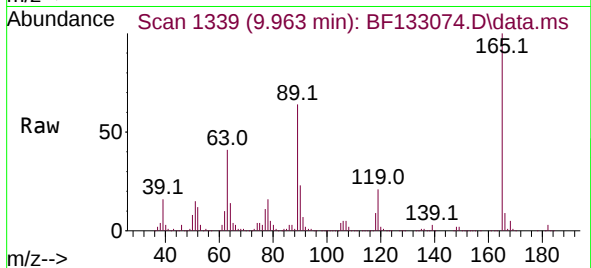
182 3.0 2.1 3.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#58

Fluorene

Concen: 46.632 ng

RT: 10.322 min Scan# 1400

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

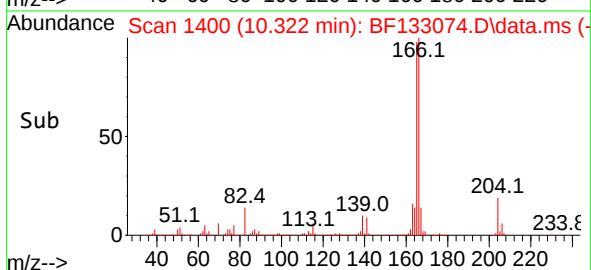
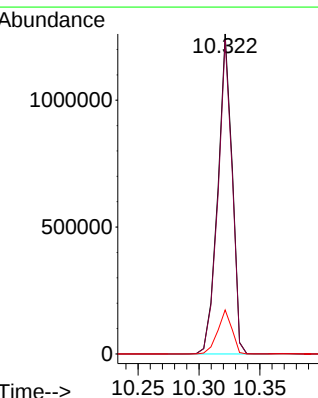
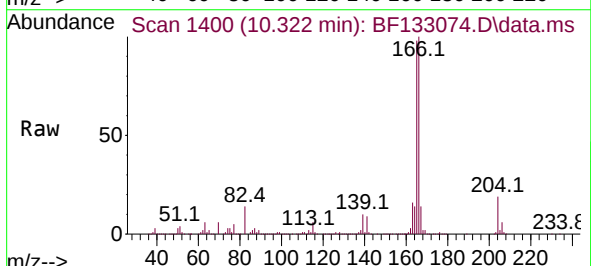
Tgt Ion:166 Resp: 1031387

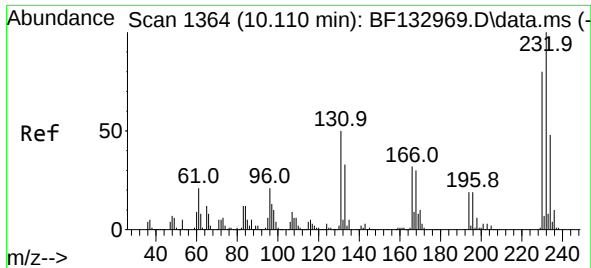
Ion Ratio Lower Upper

166 100

165 98.0 78.6 117.8

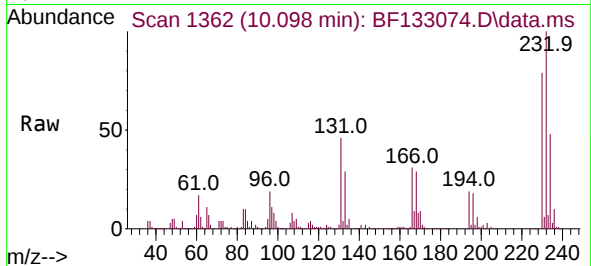
167 13.7 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.269 ng  
RT: 10.098 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

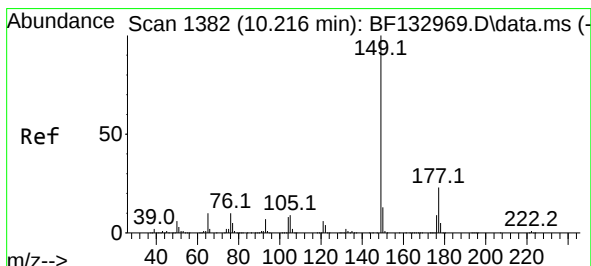
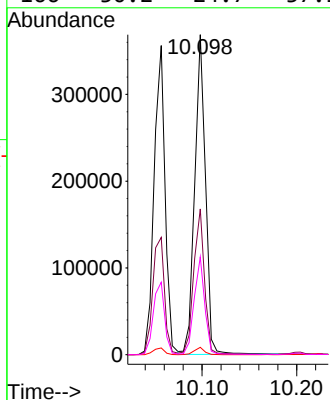
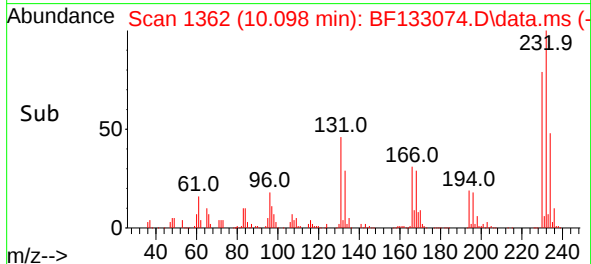
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:232 Resp: 292674  
Ion Ratio Lower Upper  
232 100  
131 45.9 38.0 57.0  
130 2.2 1.8 2.8  
166 30.2 24.7 37.1

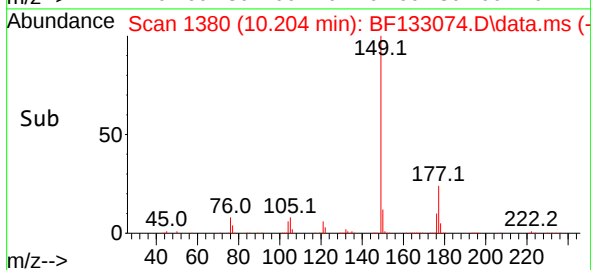
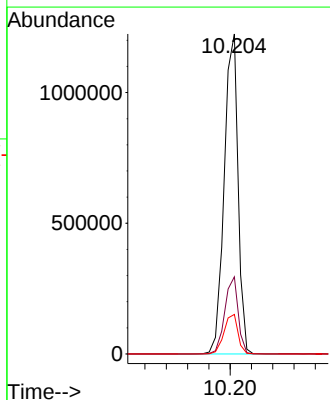
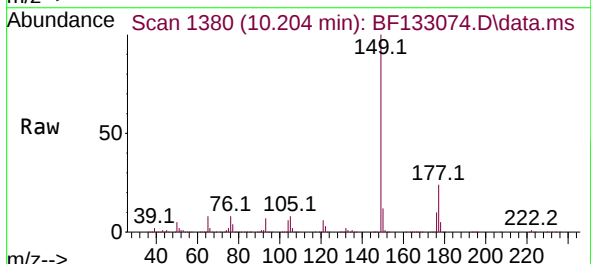
Manual Integrations  
APPROVED

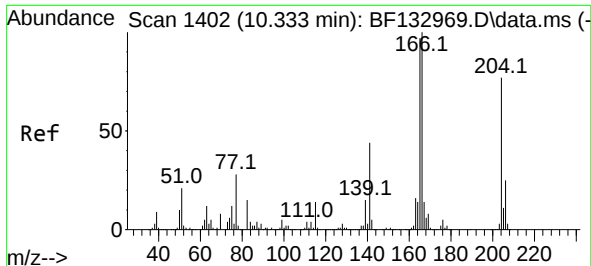
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#60  
Diethylphthalate  
Concen: 46.871 ng  
RT: 10.204 min Scan# 1380  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

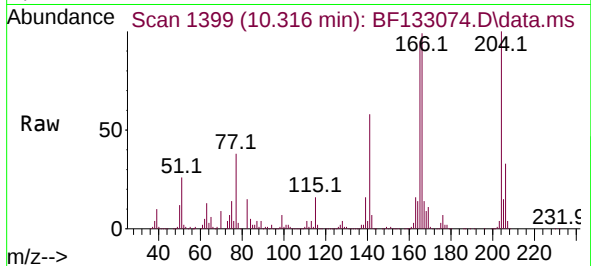
Tgt Ion:149 Resp: 1099935  
Ion Ratio Lower Upper  
149 100  
177 24.1 18.2 27.4  
150 12.4 10.2 15.4





#61  
4-Chlorophenyl-phenylether  
Concen: 46.307 ng  
RT: 10.316 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

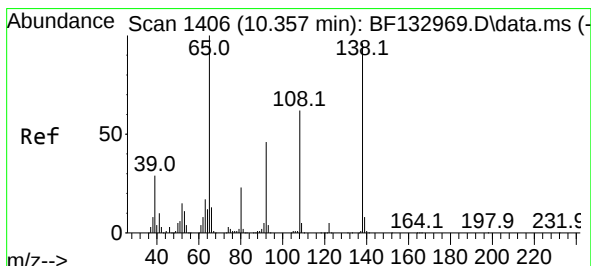
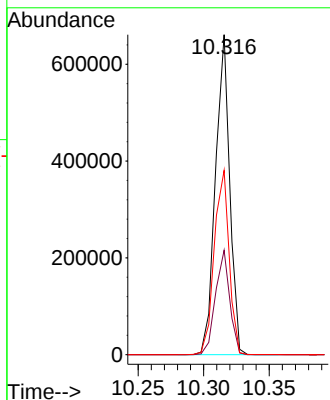
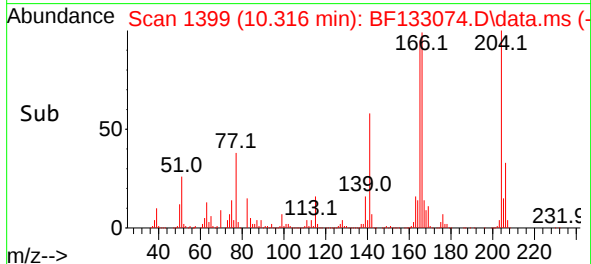
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



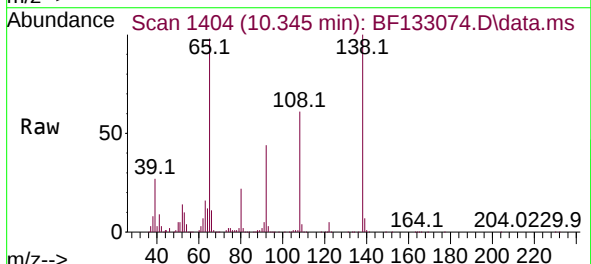
Tgt Ion:204 Resp: 49910  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.1 39.1  
141 57.6 46.1 69.1

Manual Integrations  
APPROVED

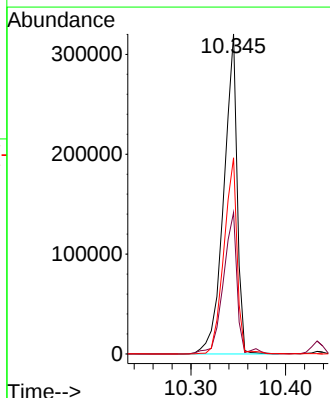
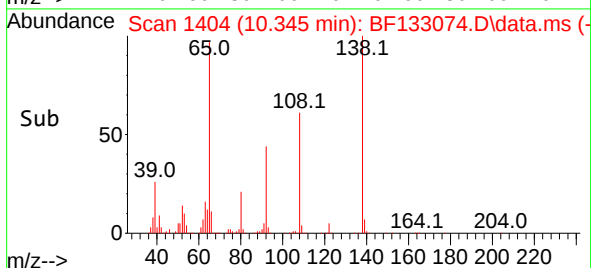
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

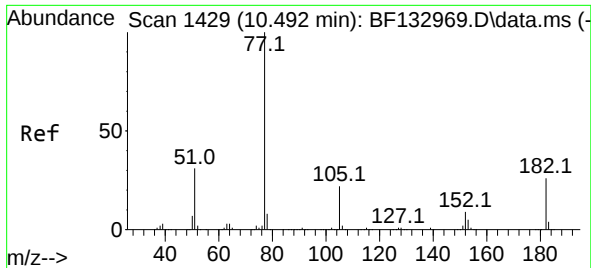


#62  
4-Nitroaniline  
Concen: 51.593 ng  
RT: 10.345 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:138 Resp: 315288  
Ion Ratio Lower Upper  
138 100  
92 44.2 27.7 67.7  
108 61.3 45.2 85.2





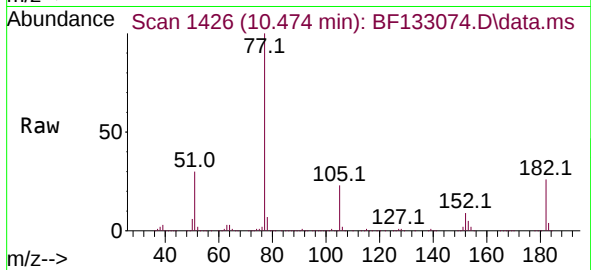
#63  
Azobenzene  
Concen: 45.804 ng  
RT: 10.474 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

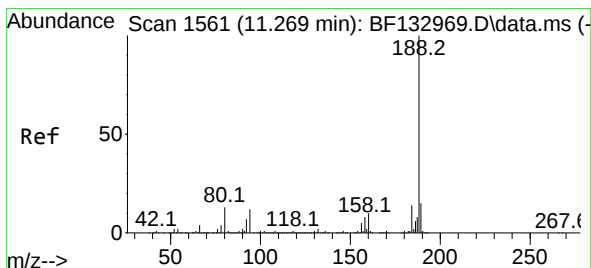
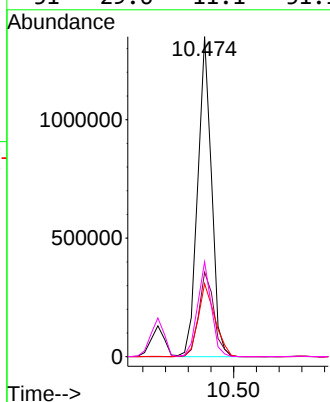
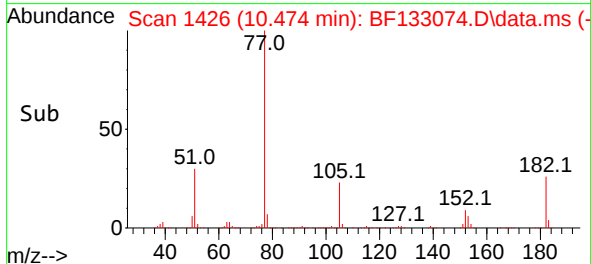


Tgt Ion: 77 Resp: 113868  
Ion Ratio Lower Upper  
77 100  
182 26.4 5.9 45.9  
105 22.8 2.3 42.3  
51 29.6 11.1 51.1

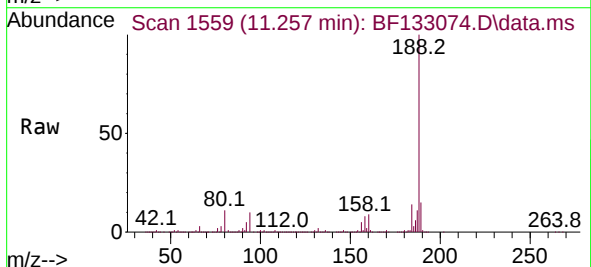
Manual Integrations

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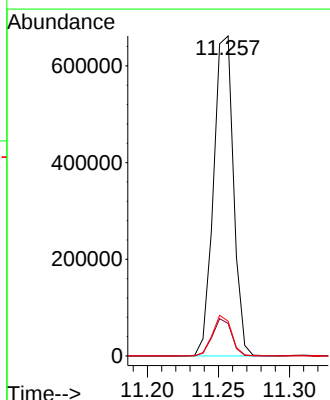
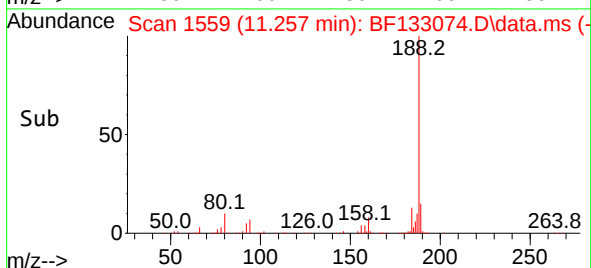
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

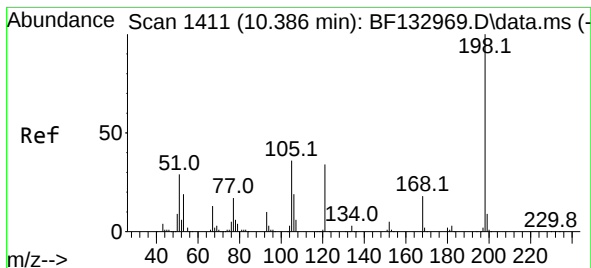


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.257 min Scan# 1559  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:188 Resp: 645956  
Ion Ratio Lower Upper  
188 100  
94 10.1 9.7 14.5  
80 10.9 10.4 15.6





#65  
4,6-Dinitro-2-methylphenol  
Concen: 52.922 ng  
RT: 10.369 min Scan# 1410  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

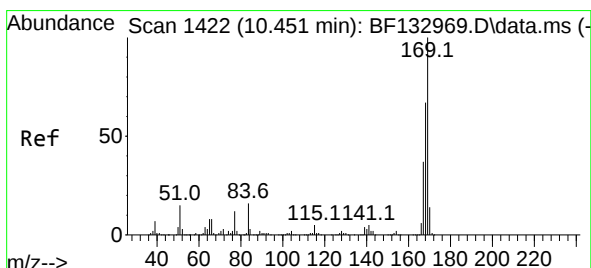
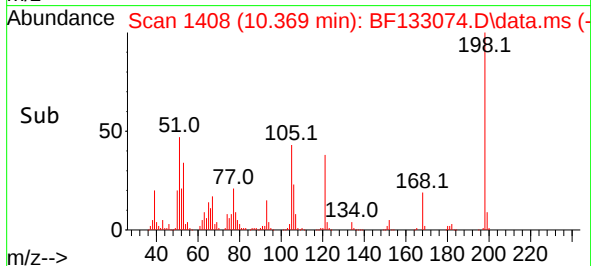
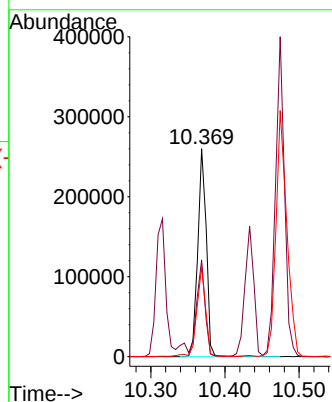
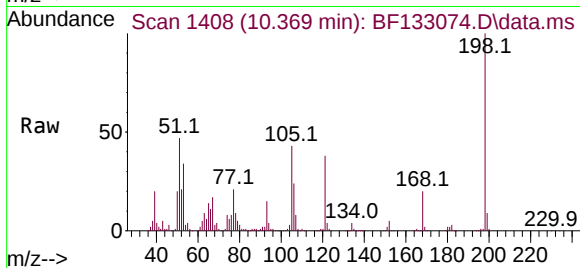
S2S-TP3MSD

Tgt Ion:198 Resp: 207200  
Ion Ratio Lower Upper  
198 100  
51 46.5 15.5 55.5  
105 43.2 16.7 56.7

Manual Integrations

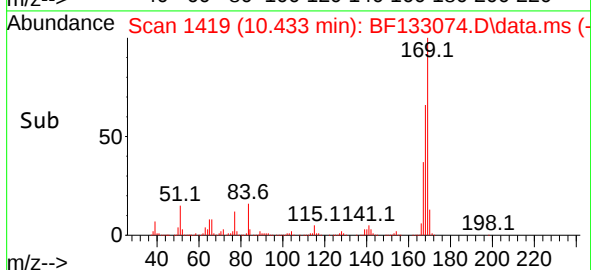
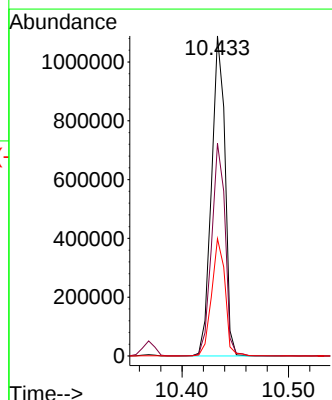
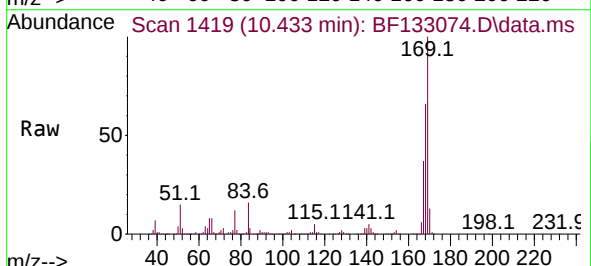
APPROVED

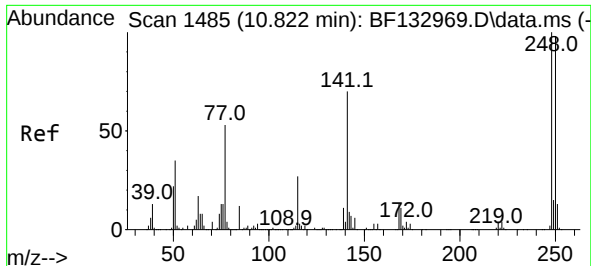
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#66  
n-Nitrosodiphenylamine  
Concen: 45.893 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

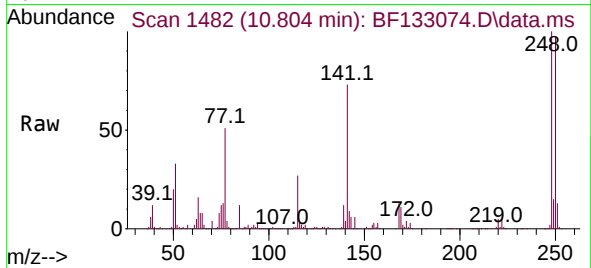
Tgt Ion:169 Resp: 961597  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.8 80.8  
167 36.6 29.7 44.5





#67  
4-Bromophenyl-phenylether  
Concen: 45.712 ng  
RT: 10.804 min Scan# 1482  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

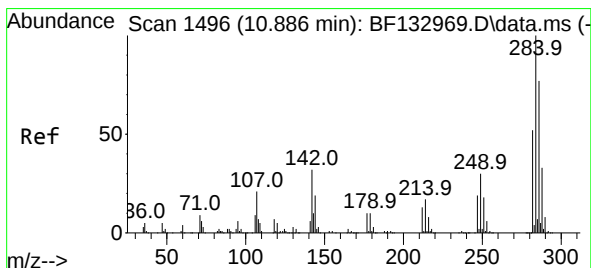
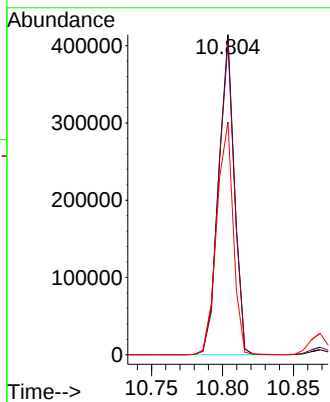
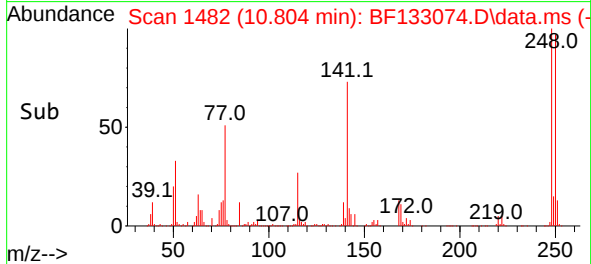
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



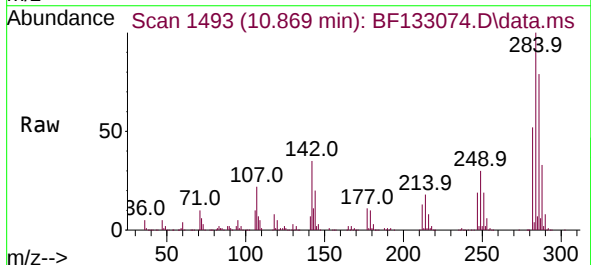
Tgt Ion:248 Resp: 320249  
Ion Ratio Lower Upper  
248 100  
250 97.5 78.7 118.1  
141 72.7 56.3 84.5

Manual Integrations  
APPROVED

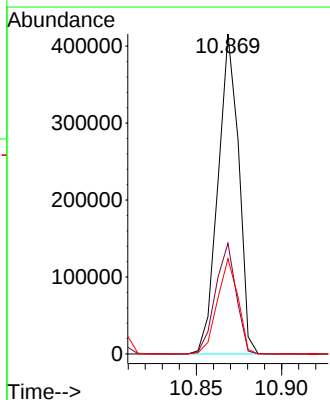
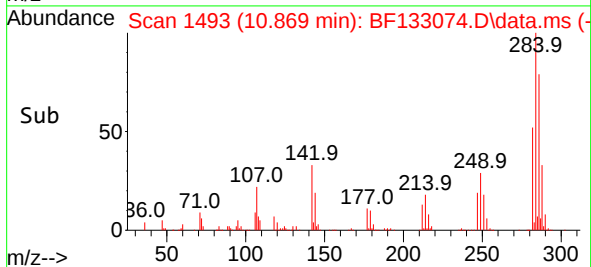
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

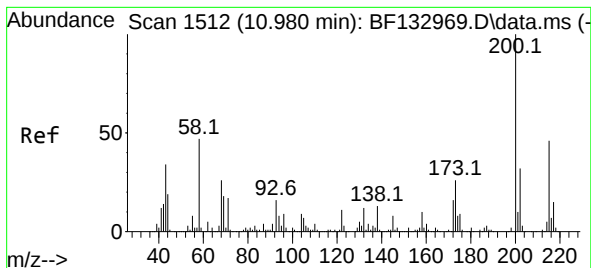


#68  
Hexachlorobenzene  
Concen: 48.873 ng  
RT: 10.869 min Scan# 1493  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:284 Resp: 350849  
Ion Ratio Lower Upper  
284 100  
142 34.6 26.0 39.0  
249 29.7 23.7 35.5





#69

Atrazine

Concen: 55.298 ng

RT: 10.963 min Scan# 1509

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

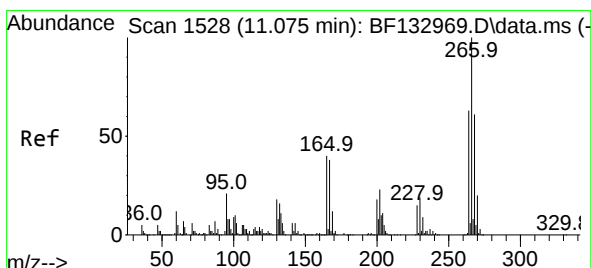
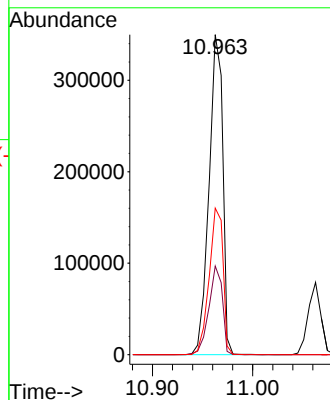
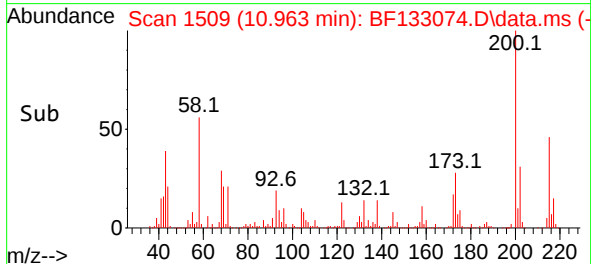
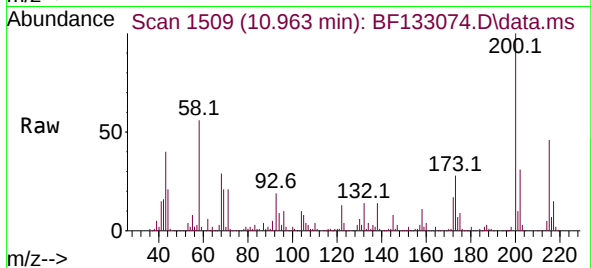
S2S-TP3MSD

Tgt Ion:200 Resp: 333864  
 Ion Ratio Lower Upper  
 200 100  
 173 27.7 6.2 46.2  
 215 45.8 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023  
 Supervised By :Jagrut Upadhyay 04/27/2023



#70

Pentachlorophenol

Concen: 78.656 ng

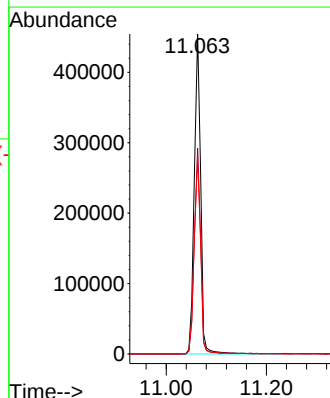
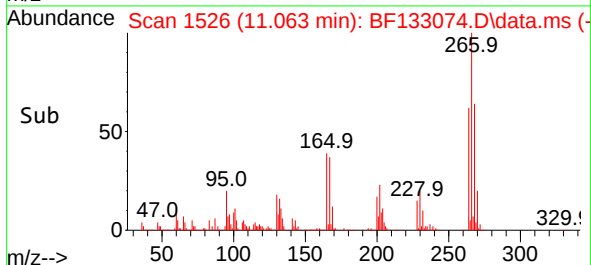
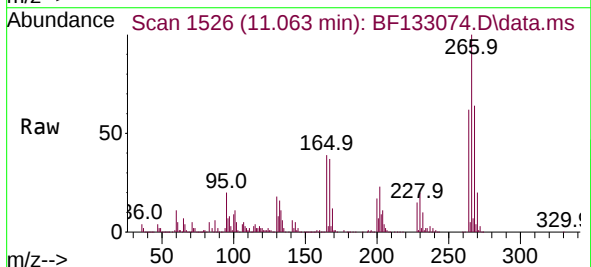
RT: 11.063 min Scan# 1526

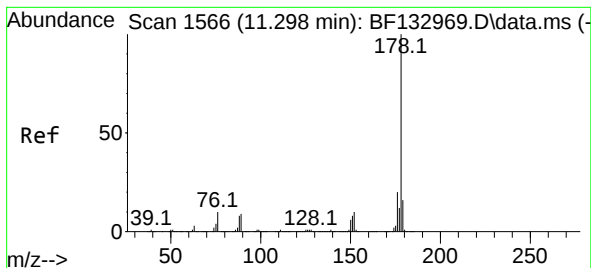
Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Tgt Ion:266 Resp: 402138  
 Ion Ratio Lower Upper  
 266 100  
 268 64.3 48.8 73.2  
 264 61.7 50.6 76.0





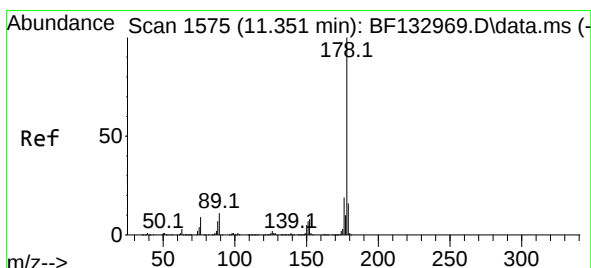
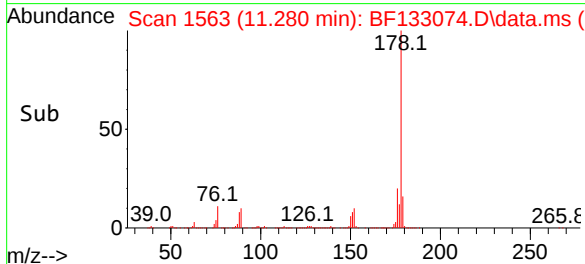
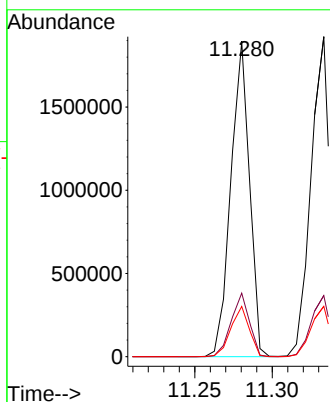
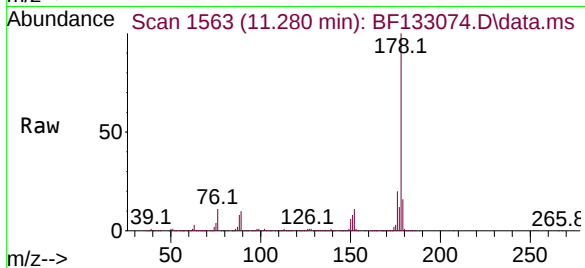
#71  
Phenanthrene  
Concen: 45.684 ng  
RT: 11.280 min Scan# 1566  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion:178 Resp: 1586059  
Ion Ratio Lower Upper  
178 100  
176 20.2 15.9 23.9  
179 15.9 12.5 18.7

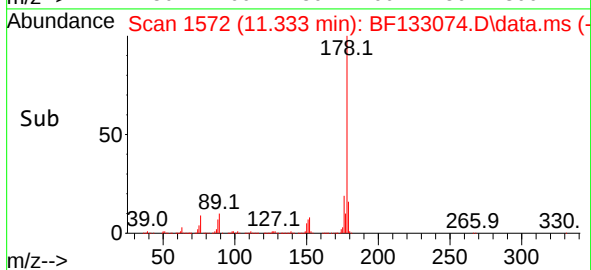
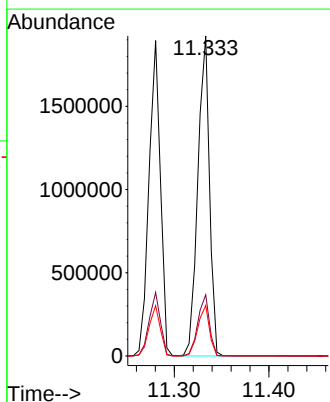
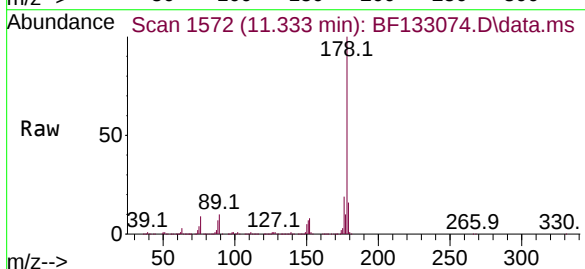
Manual Integrations  
APPROVED

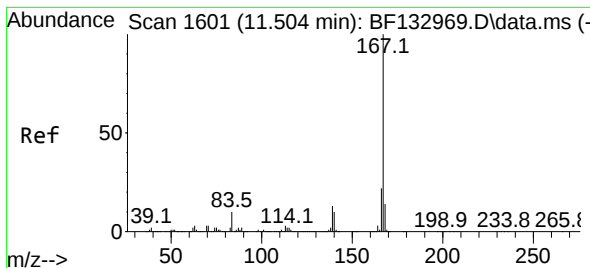
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#72  
Anthracene  
Concen: 46.295 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:178 Resp: 1644887  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.4 23.0  
179 15.8 12.4 18.6





#73

Carbazole

Concen: 47.080 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:167 Resp: 148946

Ion Ratio Lower Upper

167 100

166 21.9 17.4 26.0

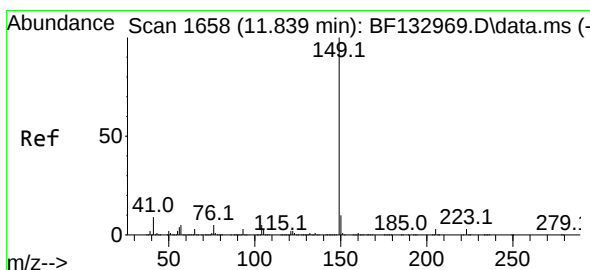
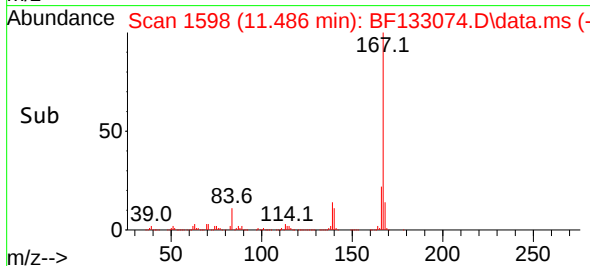
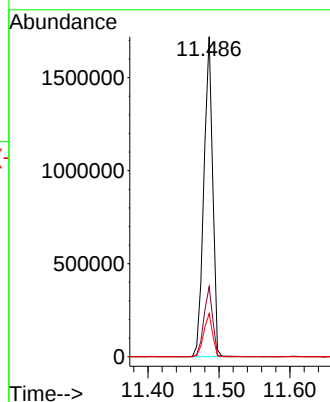
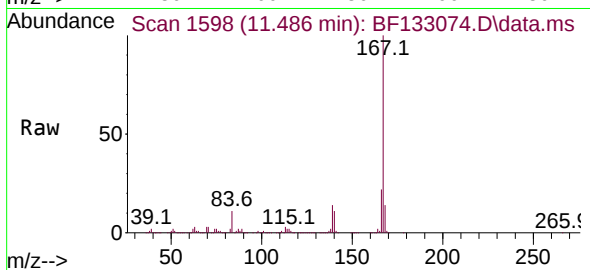
139 13.5 10.6 16.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#74

Di-n-butylphthalate

Concen: 48.626 ng

RT: 11.821 min Scan# 1655

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

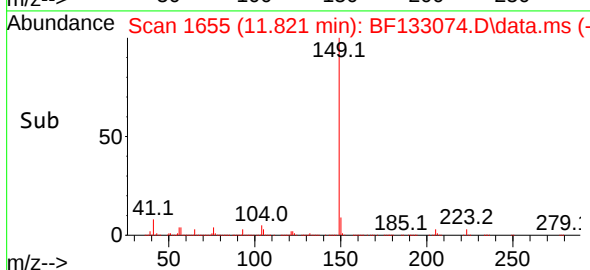
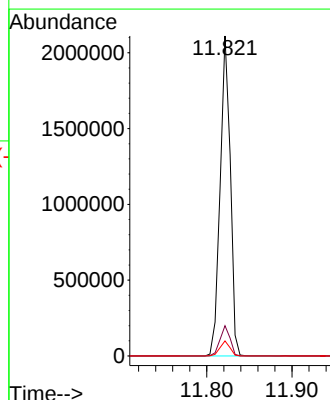
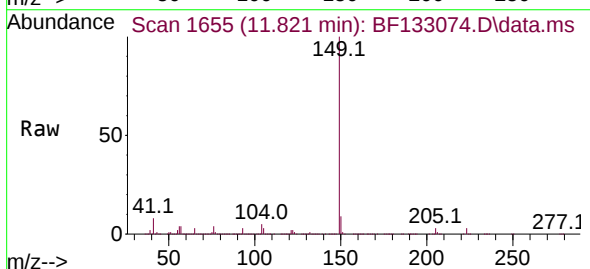
Tgt Ion:149 Resp: 1740941

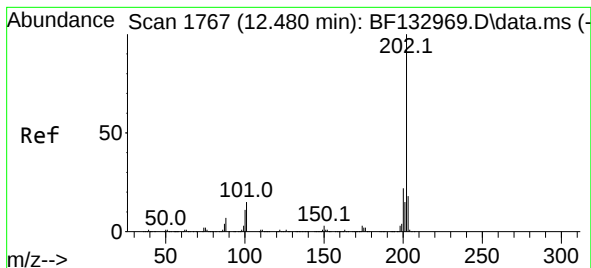
Ion Ratio Lower Upper

149 100

150 9.5 7.6 11.4

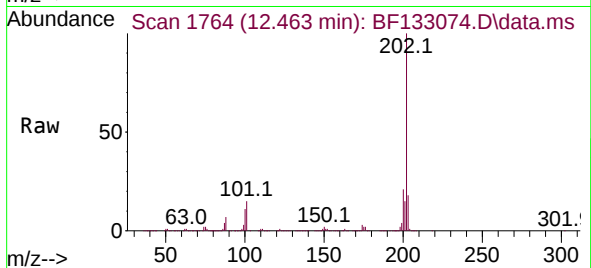
104 4.7 4.0 6.0





#75  
Fluoranthene  
Concen: 47.306 ng  
RT: 12.463 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

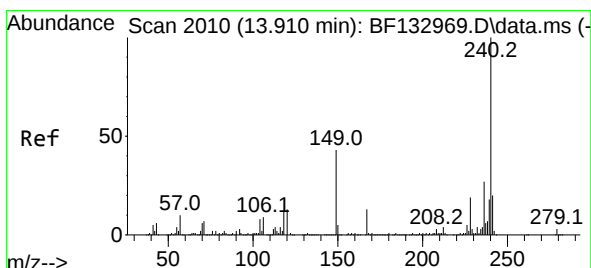
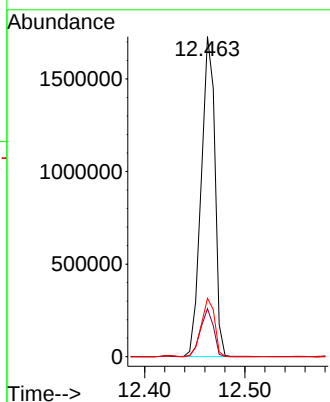
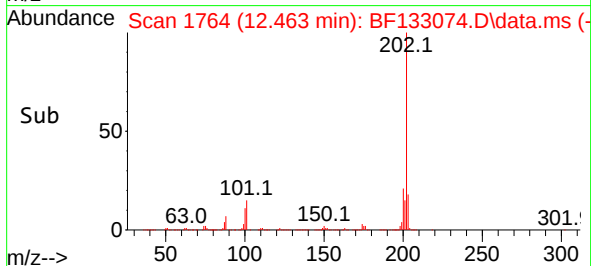
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



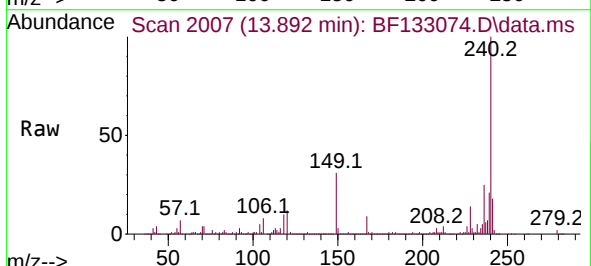
Tgt Ion:202 Resp: 1648320  
Ion Ratio Lower Upper  
202 100  
101 15.0 0.0 35.3  
203 18.2 0.0 38.1

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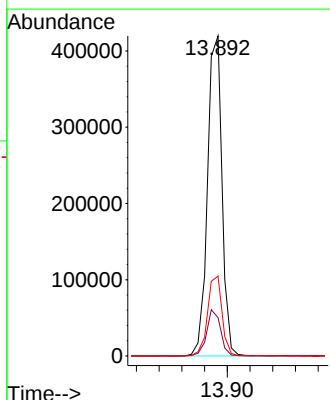
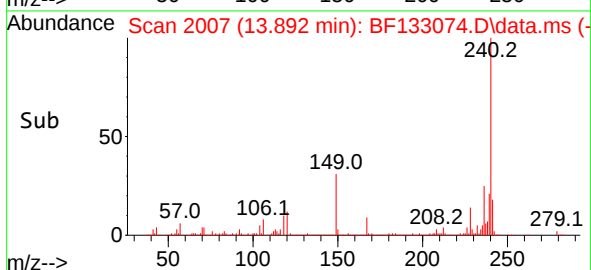
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023

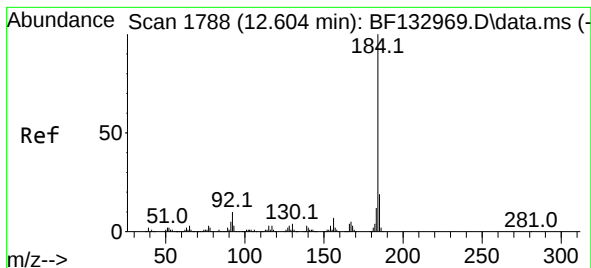


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.892 min Scan# 2007  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:240 Resp: 371338  
Ion Ratio Lower Upper  
240 100  
120 12.0 10.5 15.7  
236 25.0 21.5 32.3





#77

Benzidine

Concen: 112.700 ng

RT: 12.586 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:184 Resp: 707700

Ion Ratio Lower Upper

184 100

185 14.4 15.4 23.2

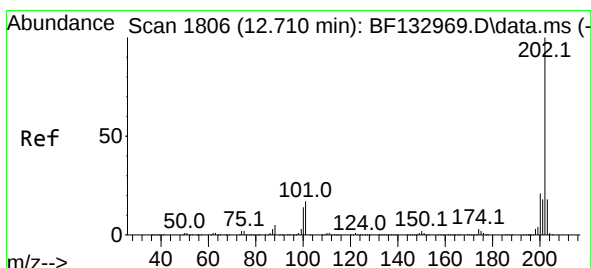
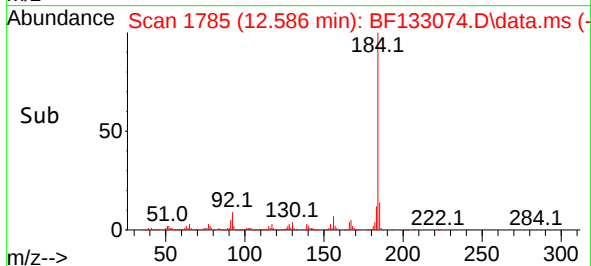
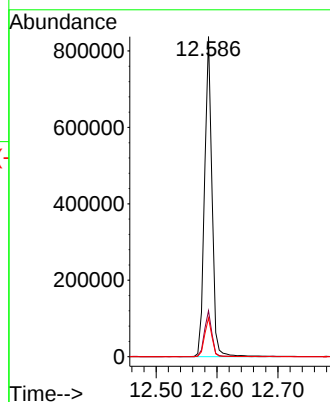
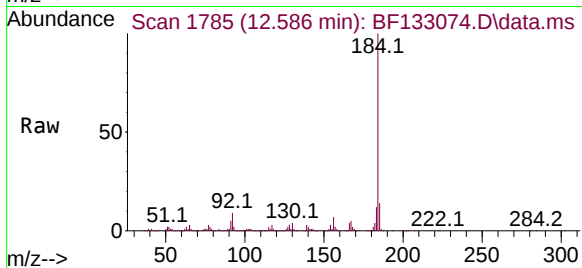
183 12.1 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#78

Pyrene

Concen: 52.808 ng

RT: 12.692 min Scan# 1803

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

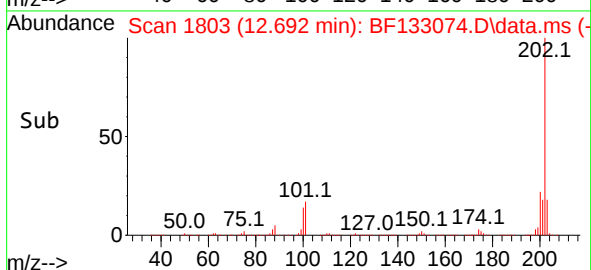
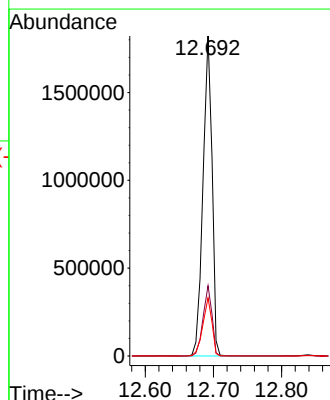
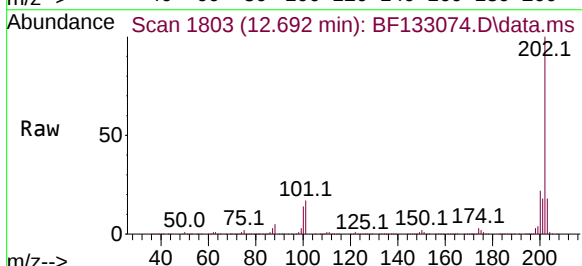
Tgt Ion:202 Resp: 1680999

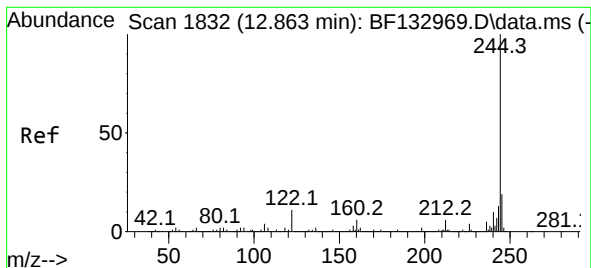
Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

203 18.1 14.1 21.1





#79

Terphenyl-d14

Concen: 83.599 ng

RT: 12.839 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133074.D

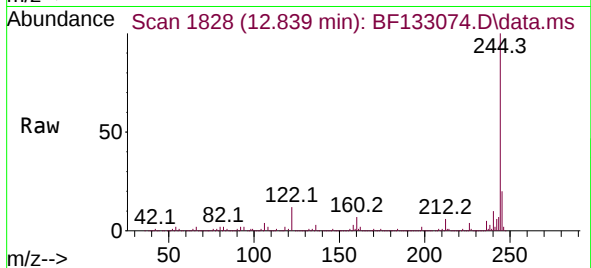
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD



Tgt Ion:244 Resp: 1799978

Ion Ratio Lower Upper

244 100

212 6.3 5.1 7.7

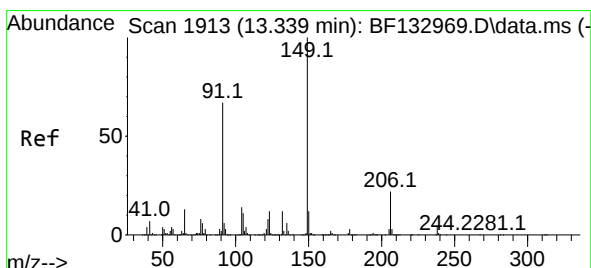
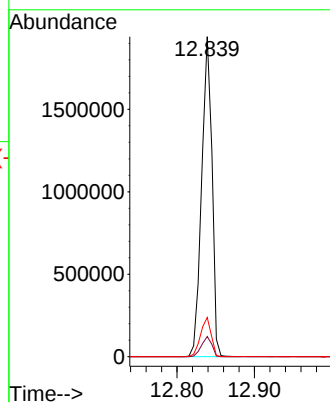
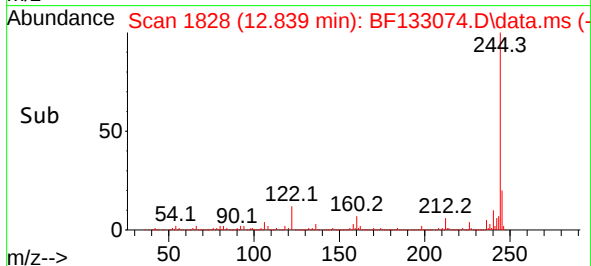
122 12.2 8.6 13.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#80

Butylbenzylphthalate

Concen: 61.344 ng

RT: 13.315 min Scan# 1909

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

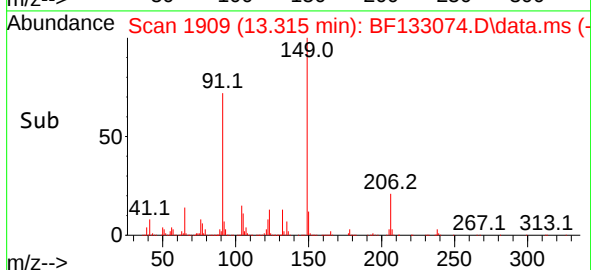
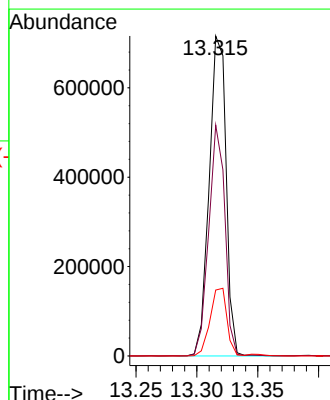
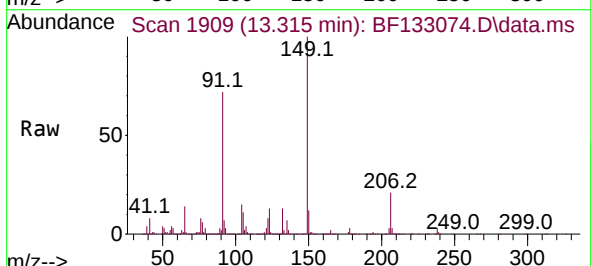
Tgt Ion:149 Resp: 691409

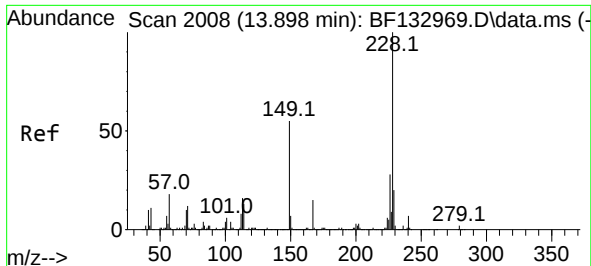
Ion Ratio Lower Upper

149 100

91 72.1 53.8 80.6

206 20.6 17.5 26.3





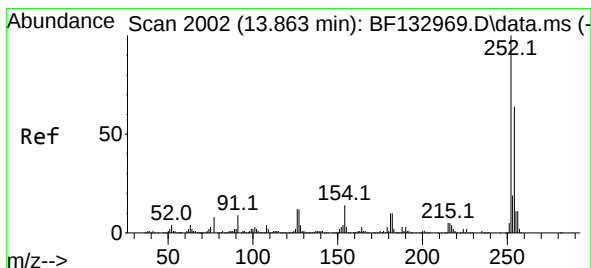
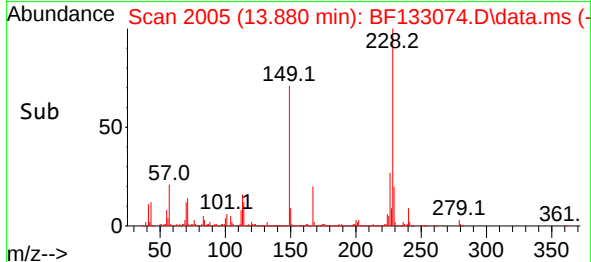
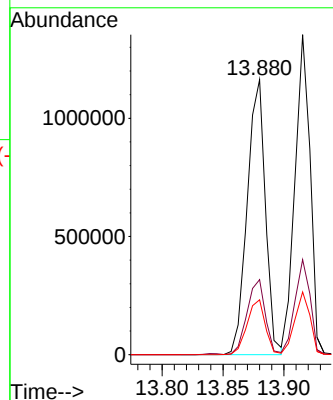
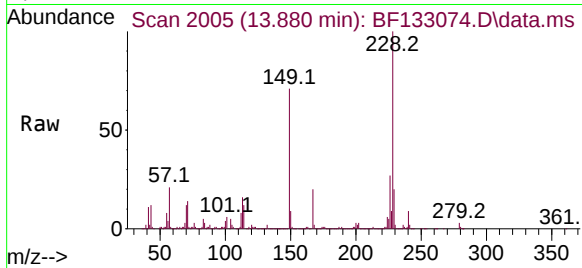
#81  
Benzo(a)anthracene  
Concen: 47.467 ng  
RT: 13.880 min Scan# 2008  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD

Tgt Ion:228 Resp: 1212114  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.2 33.4  
229 20.0 16.0 24.0

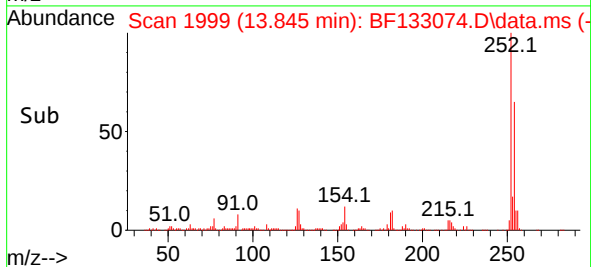
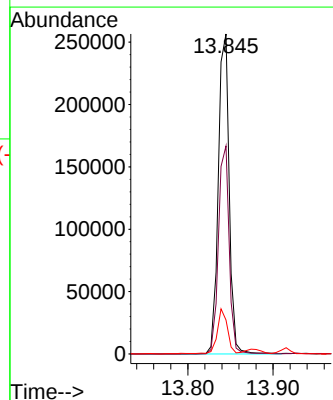
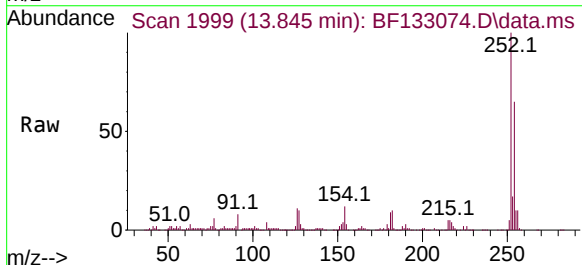
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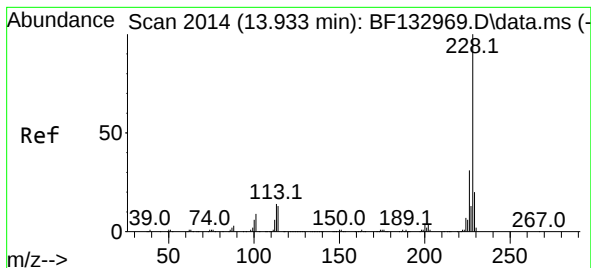
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 32.286 ng  
RT: 13.845 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:252 Resp: 227758  
Ion Ratio Lower Upper  
252 100  
254 65.0 51.5 77.3  
126 10.6 9.5 14.3





#83

Chrysene

Concen: 45.789 ng

RT: 13.915 min Scan# 2011

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:228 Resp: 116895

Ion Ratio Lower Upper

228 100

226 29.7 24.7 37.1

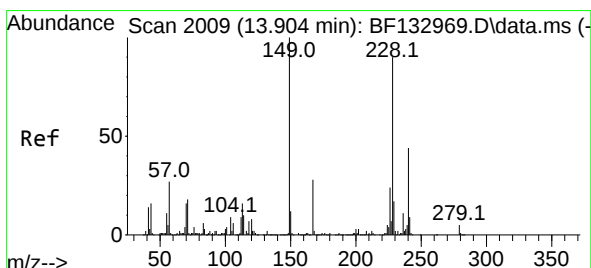
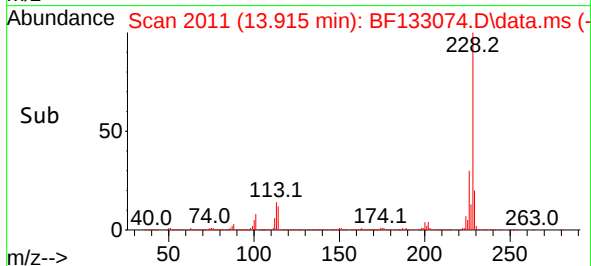
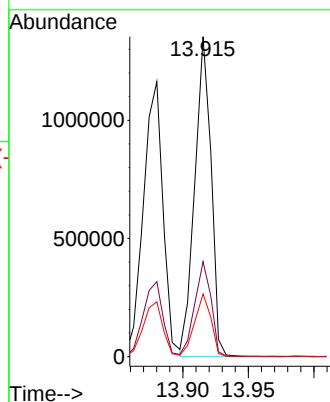
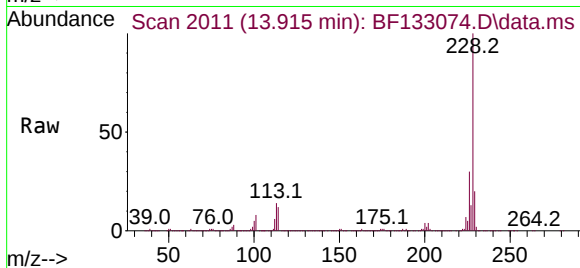
229 19.6 16.1 24.1

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.876 ng

RT: 13.880 min Scan# 2005

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

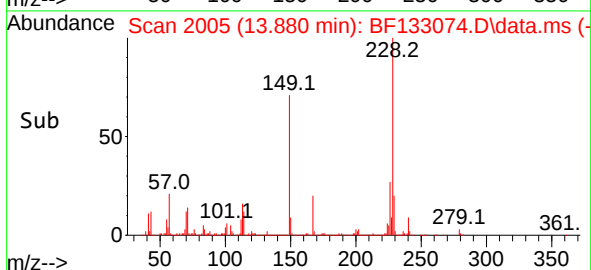
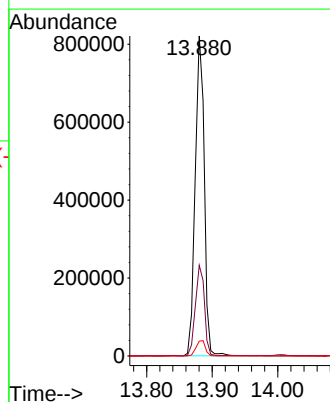
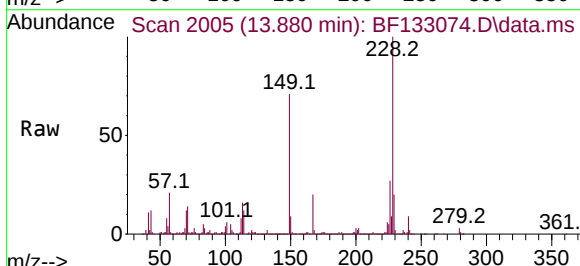
Tgt Ion:149 Resp: 790487

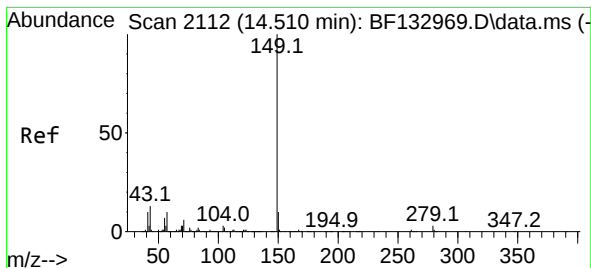
Ion Ratio Lower Upper

149 100

167 28.3 22.5 33.7

279 4.6 4.2 6.4





#85

Di-n-octyl phthalate

Concen: 54.840 ng

RT: 14.492 min Scan# 2112

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:149 Resp: 126503

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

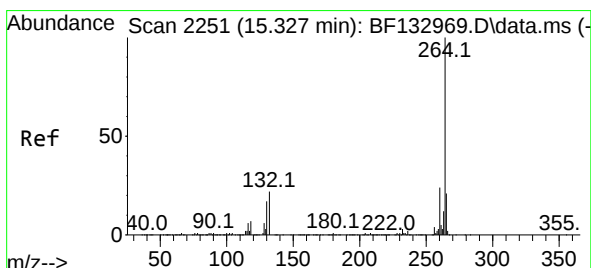
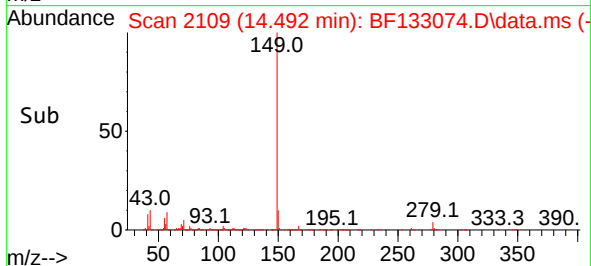
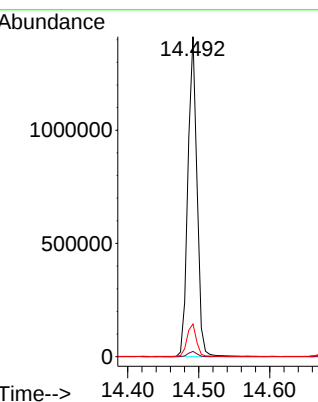
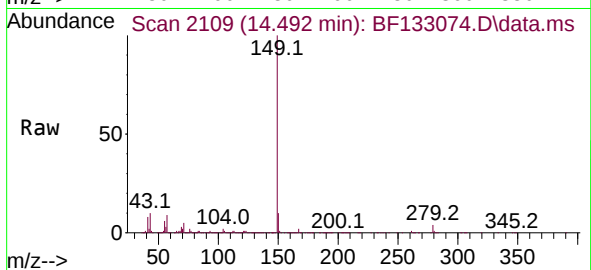
43 10.5 9.5 14.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

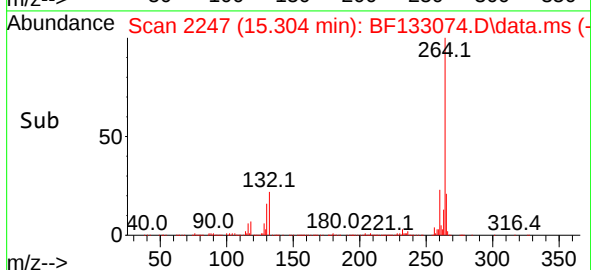
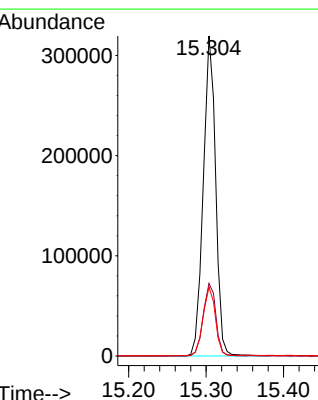
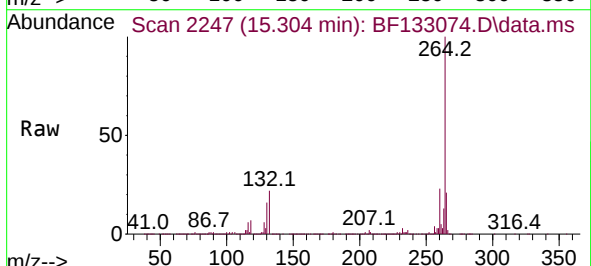
Tgt Ion:264 Resp: 353101

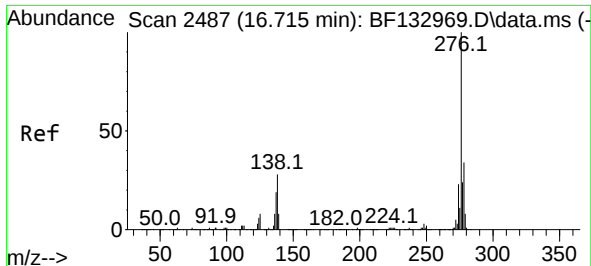
Ion Ratio Lower Upper

264 100

260 22.6 18.8 28.2

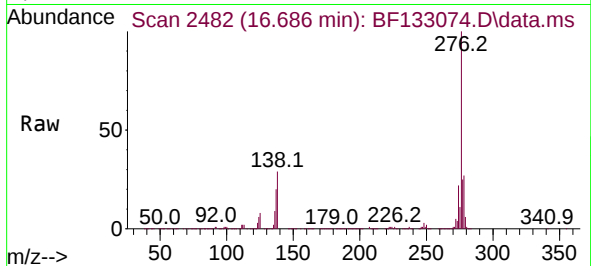
265 21.5 17.0 25.4





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 65.777 ng  
RT: 16.686 min Scan# 2487  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

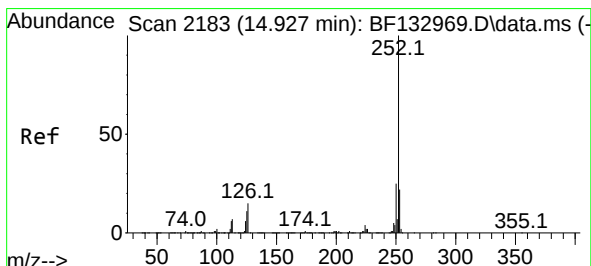
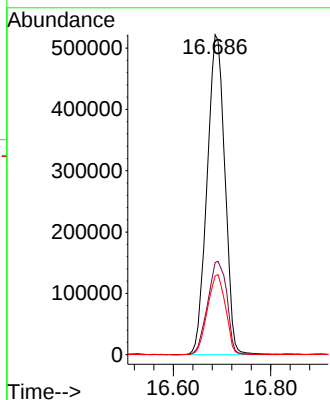
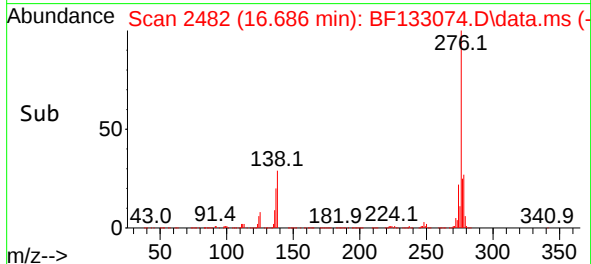
Instrument :  
BNA\_F  
ClientSampleId :  
S2S-TP3MSD



Tgt Ion:276 Resp: 132113  
Ion Ratio Lower Upper  
276 100  
138 31.6 25.5 38.3  
277 25.7 20.4 30.6

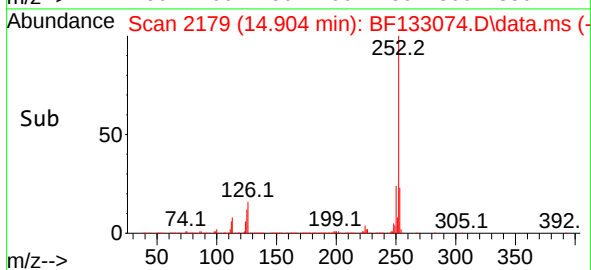
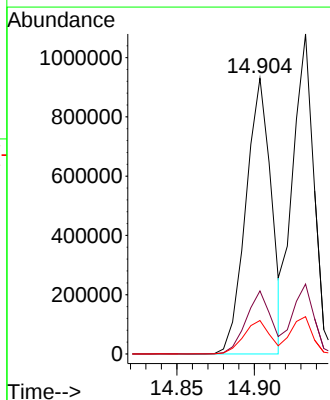
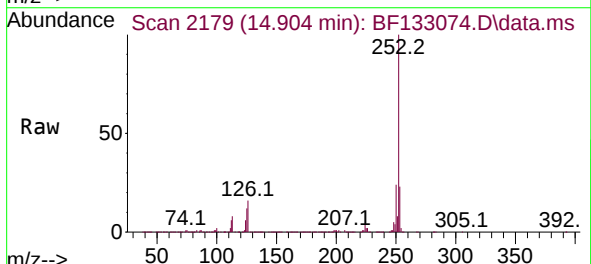
Manual Integrations  
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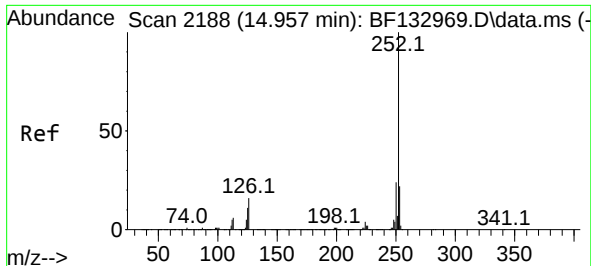
Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#88  
Benzo(b)fluoranthene  
Concen: 47.364 ng  
RT: 14.904 min Scan# 2179  
Delta R.T. 0.000 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Tgt Ion:252 Resp: 1063974  
Ion Ratio Lower Upper  
252 100  
253 22.8 17.6 26.4  
125 12.1 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 45.738 ng

RT: 14.933 min Scan# 2188

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

Tgt Ion:252 Resp: 1018500

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

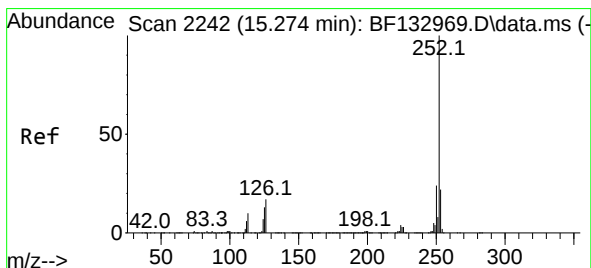
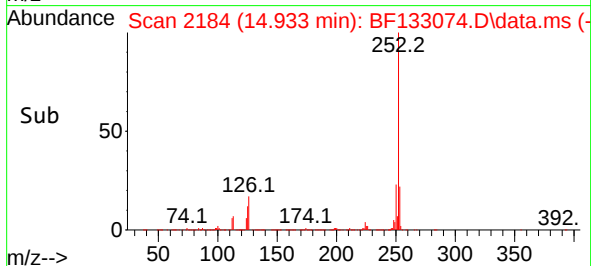
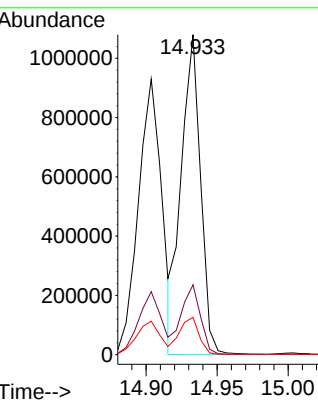
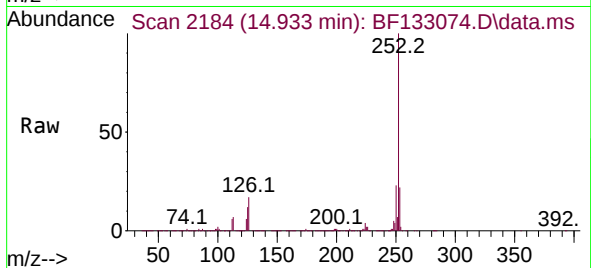
125 11.6 9.0 13.4

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#90

Benzo(a)pyrene

Concen: 46.270 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.000 min

Lab File: BF133074.D

Acq: 26 Apr 2023 20:02

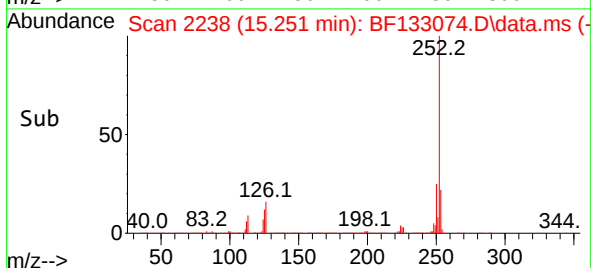
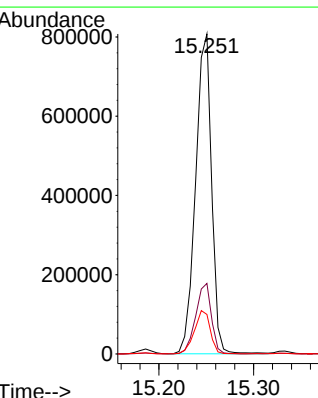
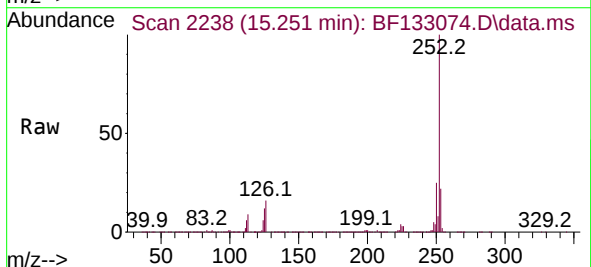
Tgt Ion:252 Resp: 946075

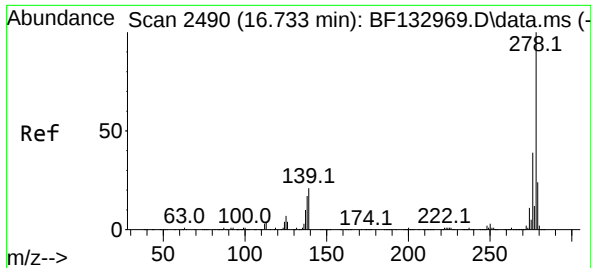
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 12.4 10.5 15.7





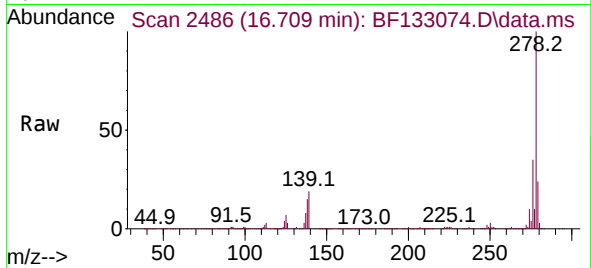
#91  
Dibenzo(a,h)anthracene  
Concen: 65.759 ng  
RT: 16.709 min Scan# 2490  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02

Instrument :

BNA\_F

ClientSampleId :

S2S-TP3MSD

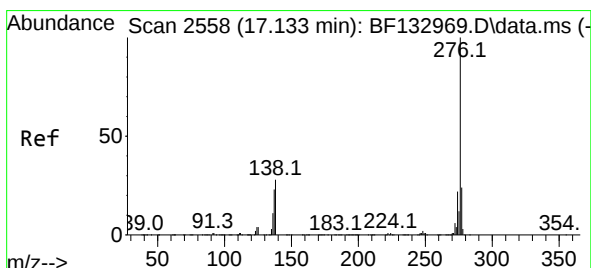
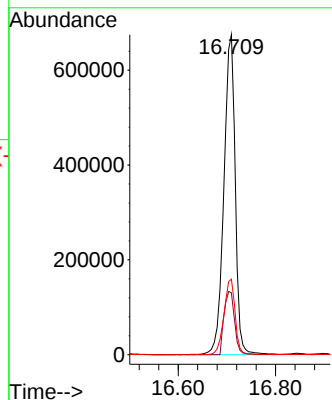
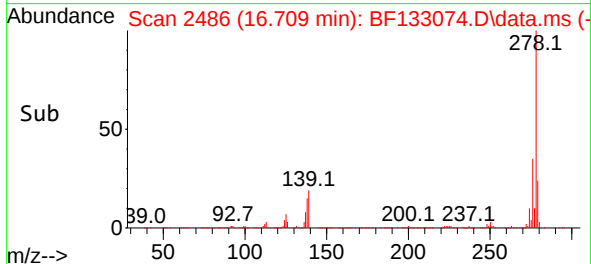


Tgt Ion:278 Resp: 110158  
Ion Ratio Lower Upper  
278 100  
139 19.3 16.6 24.8  
279 23.6 18.8 28.2

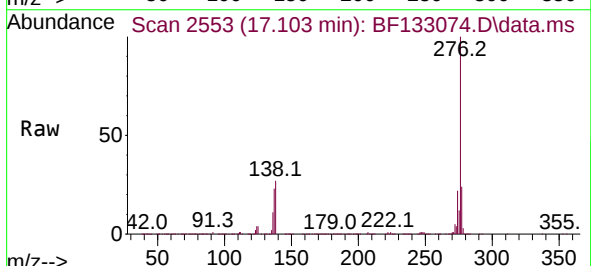
Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023  
Supervised By :Jagrut Upadhyay 04/27/2023



#92  
Benzo(g,h,i)perylene  
Concen: 66.721 ng  
RT: 17.103 min Scan# 2553  
Delta R.T. 0.006 min  
Lab File: BF133074.D  
Acq: 26 Apr 2023 20:02



Tgt Ion:276 Resp: 1103462  
Ion Ratio Lower Upper  
276 100  
277 23.8 19.4 29.0  
138 26.5 22.7 34.1

