

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071423\  
 Data File : BF134288.D  
 Acq On : 14 Jul 2023 13:37  
 Operator : CG\JU  
 Sample : PB154028BS  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154028BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 15 00:24:16 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF062623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 14 22:51:27 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.845  | 152  | 149093   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.128  | 136  | 565129   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.886  | 164  | 289879   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.380 | 188  | 580139   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 458067   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.551 | 264  | 454559   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.487  | 112  | 592677   | 66.496 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.487  | 99   | 706866   | 64.488 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.410  | 82   | 489741   | 46.714 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.680 | 330  | 262640   | 72.263 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.204  | 172  | 947560   | 47.525 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.974 | 244  | 1210960  | 42.547 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.681  | 88   | 66084    | 17.982 | ng    | 99       |
| 3) Pyridine                   | 3.463  | 79   | 160361   | 16.752 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.416  | 42   | 113358   | 20.734 | ng    | 99       |
| 6) Aniline                    | 6.510  | 93   | 268312   | 20.116 | ng    | 95       |
| 8) 2-Chlorophenol             | 6.628  | 128  | 209403   | 23.144 | ng    | 97       |
| 9) Benzaldehyde               | 6.398  | 77   | 132141   | 18.935 | ng    | 97       |
| 10) Phenol                    | 6.498  | 94   | 260518   | 22.605 | ng    | 88       |
| 11) bis(2-Chloroethyl)ether   | 6.581  | 93   | 188946   | 22.269 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 228819   | 23.722 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.863  | 146  | 235713   | 24.193 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 222642   | 24.400 | ng    | 99       |
| 15) Benzyl Alcohol            | 6.992  | 79   | 195432   | 23.128 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 306862   | 20.443 | ng    | 89       |
| 17) 2-Methylphenol            | 7.098  | 107  | 173381   | 21.400 | ng    | 95       |
| 18) Hexachloroethane          | 7.351  | 117  | 89718    | 24.835 | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.257  | 70   | 155911   | 22.429 | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.257  | 107  | 218342   | 22.214 | ng    | 96       |
| 22) Acetophenone              | 7.251  | 105  | 305128   | 23.741 | ng    | 98       |
| 24) Nitrobenzene              | 7.428  | 77   | 235943   | 22.271 | ng    | 94       |
| 25) Isophorone                | 7.663  | 82   | 416896   | 21.880 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.745  | 139  | 117137   | 23.049 | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.781  | 122  | 185796   | 23.096 | ng    | 94       |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 241491   | 21.889 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.986  | 162  | 179607   | 22.515 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 193987   | 23.567 | ng    | 97       |
| 31) Naphthalene               | 8.145  | 128  | 604601   | 22.149 | ng    | 99       |
| 32) Benzoic acid              | 7.910  | 122  | 130484   | 21.646 | ng    | 94       |
| 33) 4-Chloroaniline           | 8.198  | 127  | 138875   | 11.893 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.257  | 225  | 126207   | 24.307 | ng    | 99       |
| 35) Caprolactam               | 8.575  | 113  | 59051m   | 22.482 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.686  | 107  | 206627   | 23.057 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.839  | 142  | 408245   | 21.149 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.939  | 142  | 381280   | 21.247 | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 9.004  | 216  | 199510   | 23.231 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.986  | 237  | 210290   | 51.613 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.122  | 196  | 130883   | 22.387 | ng    | 98       |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.163  | 196  | 144479   | 21.009 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 523038   | 22.493 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 389085   | 22.869 | ng    | 96       |
| 48) 2-Nitroaniline            | 9.428  | 65   | 138712   | 22.371 | ng    | 95       |
| 49) Acenaphthylene            | 9.745  | 152  | 631180   | 21.718 | ng    | 99       |
| 50) Dimethylphthalate         | 9.610  | 163  | 466243   | 22.157 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.675  | 165  | 102699   | 22.660 | ng    | 95       |
| 52) Acenaphthene              | 9.916  | 154  | 376331   | 22.316 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.845  | 138  | 88639    | 16.303 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.957  | 184  | 118836   | 47.074 | ng    | 90       |
| 55) Dibenzofuran              | 10.092 | 168  | 573757   | 21.770 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.016 | 139  | 158717   | 41.733 | ng    | 89       |
| 57) 2,4-Dinitrotoluene        | 10.080 | 165  | 137417   | 22.959 | ng    | 87       |
| 58) Fluorene                  | 10.433 | 166  | 469380   | 22.891 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.210 | 232  | 122445   | 22.573 | ng    | 98       |
| 60) Diethylphthalate          | 10.310 | 149  | 495160   | 22.586 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.427 | 204  | 224837   | 22.753 | ng    | 99       |
| 62) 4-Nitroaniline            | 10.469 | 138  | 114194   | 20.840 | ng    | 94       |
| 63) Azobenzene                | 10.586 | 77   | 457010   | 22.038 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.498 | 198  | 77452    | 24.488 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.551 | 169  | 411728   | 22.213 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.916 | 248  | 140070   | 22.716 | ng    | # 91     |
| 68) Hexachlorobenzene         | 10.986 | 284  | 163697   | 25.003 | ng    | 96       |
| 69) Atrazine                  | 11.080 | 200  | 136294   | 26.583 | ng    | 97       |
| 70) Pentachlorophenol         | 11.186 | 266  | 156433   | 39.962 | ng    | 99       |
| 71) Phenanthrene              | 11.404 | 178  | 662210   | 22.674 | ng    | 99       |
| 72) Anthracene                | 11.457 | 178  | 688362   | 22.661 | ng    | 100      |
| 73) Carbazole                 | 11.616 | 167  | 647563   | 23.290 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.939 | 149  | 789651   | 23.882 | ng    | 98       |
| 75) Fluoranthene              | 12.598 | 202  | 752646   | 23.838 | ng    | 98       |
| 77) Benzidine                 | 12.727 | 184  | 445080   | 40.835 | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 776494   | 18.215 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.451 | 149  | 342693   | 21.434 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.033 | 228  | 704034   | 22.162 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 208404   | 20.706 | ng    | 98       |
| 83) Chrysene                  | 14.068 | 228  | 654805   | 21.281 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 465427   | 25.335 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 780797   | 28.925 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.104 | 276  | 658867   | 20.889 | ng    | 96       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 640261m  | 23.954 | ng    |          |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 638416   | 23.459 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.486 | 252  | 552027   | 21.358 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 17.115 | 278  | 548386   | 21.286 | ng    | # 96     |
| 92) Benzo(g,h,i)perylene      | 17.568 | 276  | 531173   | 19.993 | ng    | 97       |

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





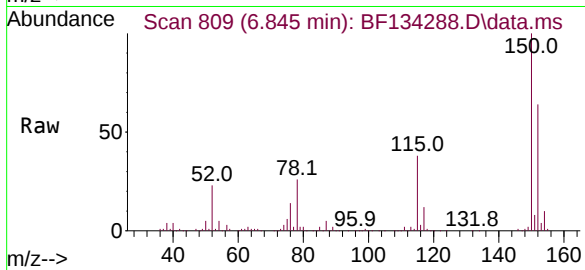
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 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.845 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: BF134288.D  
 Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

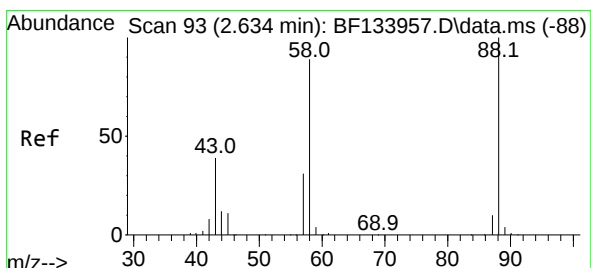
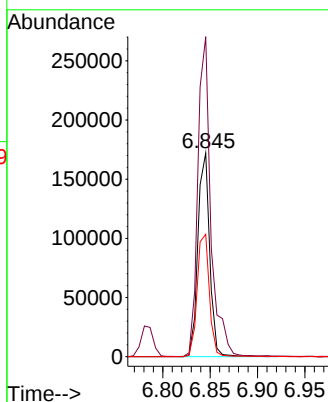
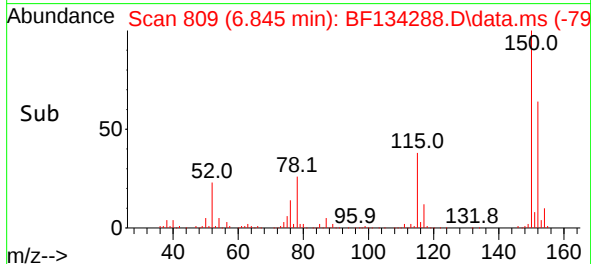


Tgt Ion:152 Resp: 14909  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 124.5 186.7  
 115 60.1 50.2 75.2

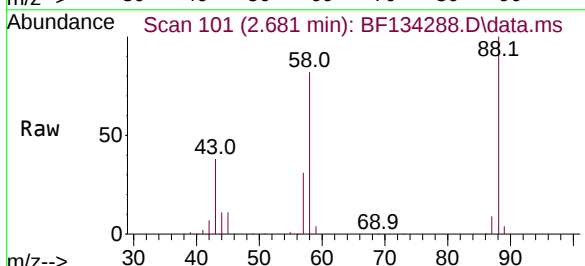
Manual Integrations

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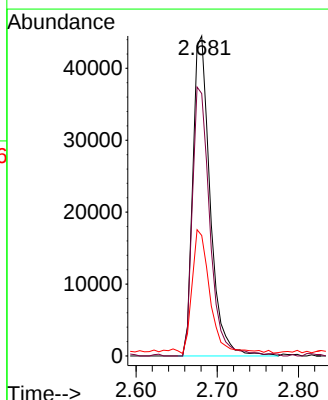
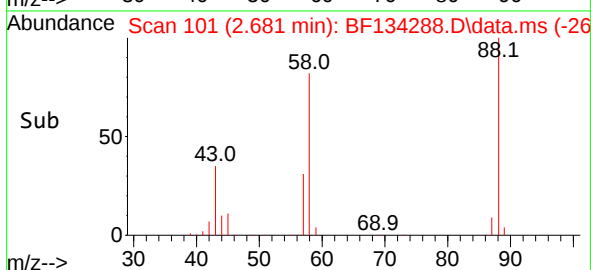
Reviewed By :Jagrut Upadhyay 07/15/2023  
 Supervised By :mohammad ahmed 07/19/2023

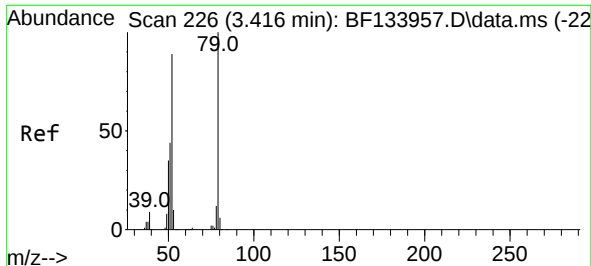


#2  
 1,4-Dioxane  
 Concen: 17.982 ng  
 RT: 2.681 min Scan# 101  
 Delta R.T. 0.088 min  
 Lab File: BF134288.D  
 Acq: 14 Jul 2023 13:37



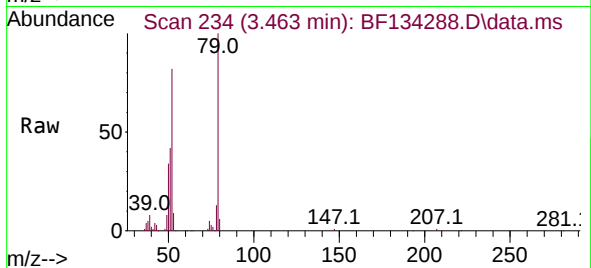
Tgt Ion: 88 Resp: 66084  
 Ion Ratio Lower Upper  
 88 100  
 58 85.2 68.8 103.2  
 43 38.8 30.7 46.1





#3  
Pyridine  
Concen: 16.752 ng  
RT: 3.463 min Scan# 21  
Delta R.T. 0.082 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

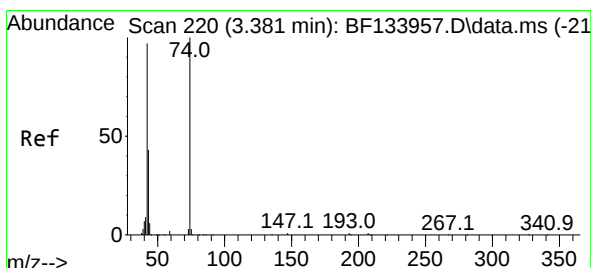
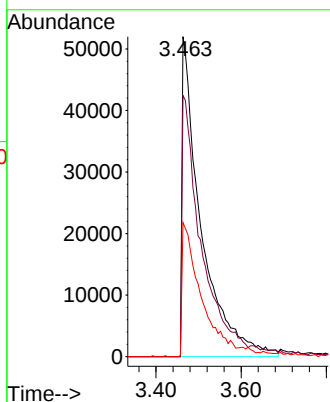
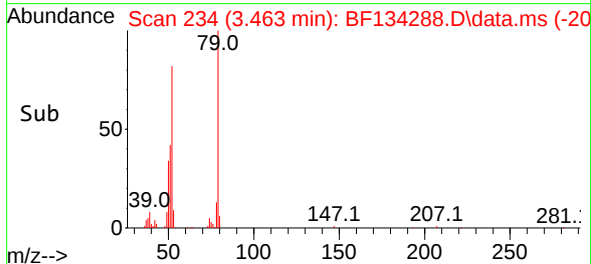
Instrument :  
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ClientSampleId :  
PB154028BS



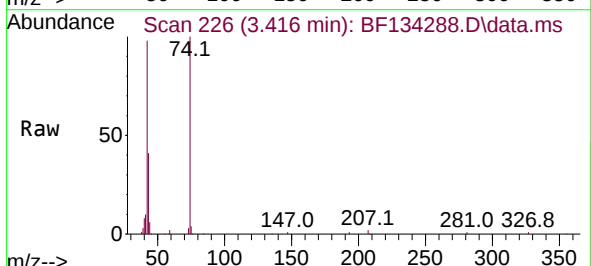
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Ion Ratio Lower Upper  
79 100  
52 81.6 71.1 106.7  
51 41.9 35.2 52.8

Manual Integrations  
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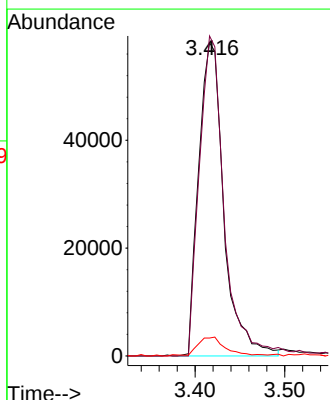
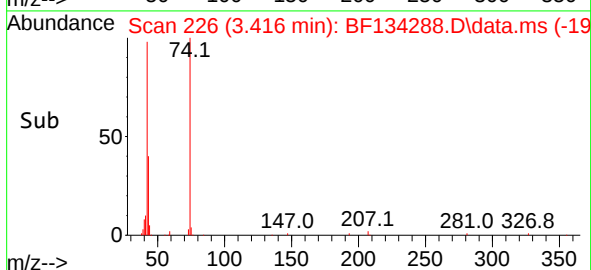
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

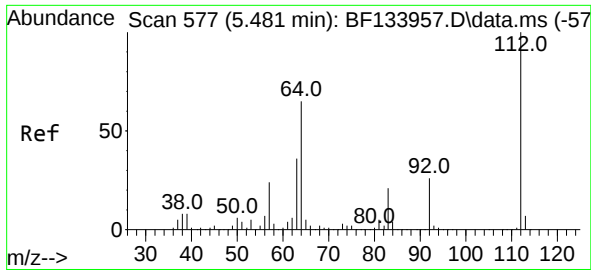


#4  
n-Nitrosodimethylamine  
Concen: 20.734 ng  
RT: 3.416 min Scan# 226  
Delta R.T. 0.077 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion: 42 Resp: 113358  
Ion Ratio Lower Upper  
42 100  
74 102.1 82.4 123.6  
44 5.7 4.9 7.3





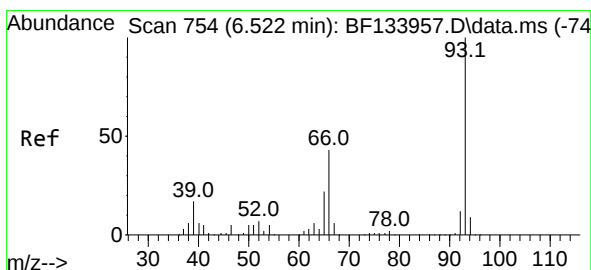
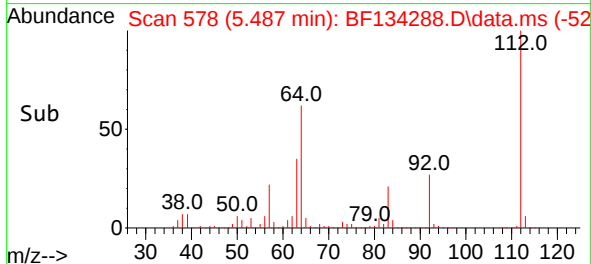
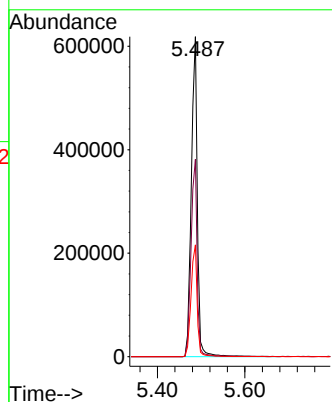
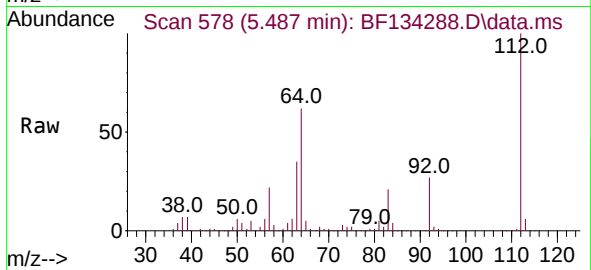
#5  
2-Fluorophenol  
Concen: 66.496 ng  
RT: 5.487 min Scan# 51  
Delta R.T. 0.018 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:112 Resp: 59267  
Ion Ratio Lower Upper  
112 100  
64 61.7 52.1 78.1  
63 34.9 28.6 42.8

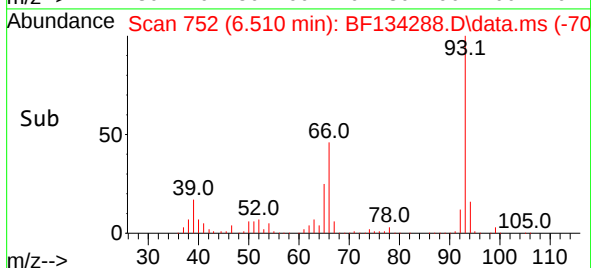
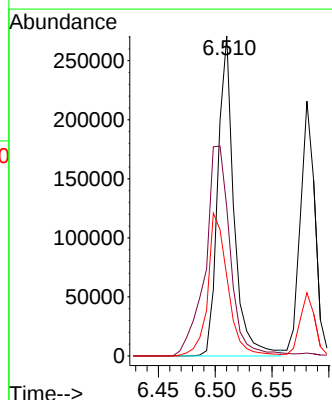
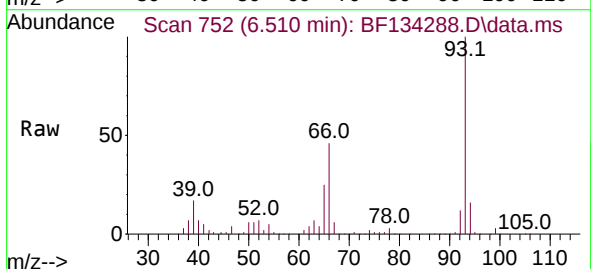
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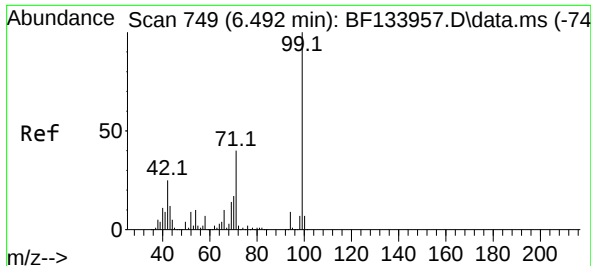
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#6  
Aniline  
Concen: 20.116 ng  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

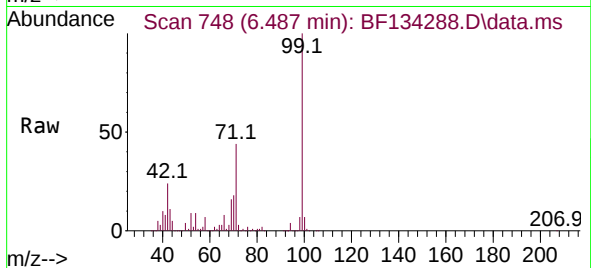
Tgt Ion: 93 Resp: 268312  
Ion Ratio Lower Upper  
93 100  
66 46.5 34.5 51.7  
65 24.9 17.8 26.6





#7  
Phenol-d6  
Concen: 64.488 ng  
RT: 6.487 min Scan# 749  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

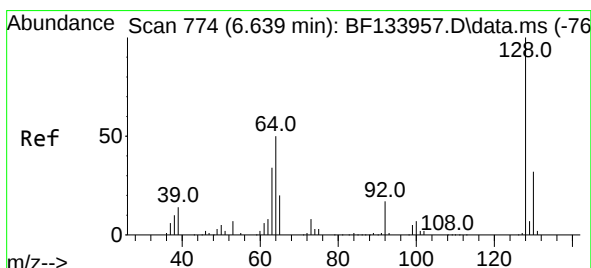
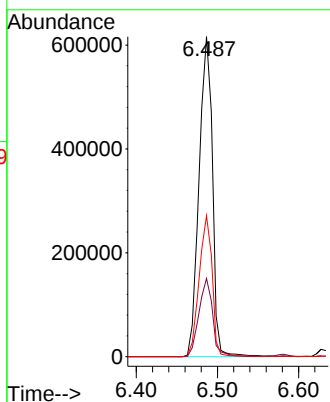
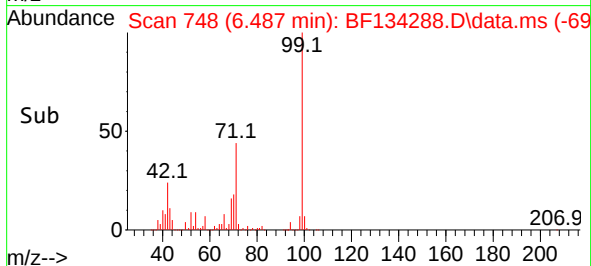
Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 99 Resp: 706860  
Ion Ratio Lower Upper  
99 100  
42 24.4 19.8 29.6  
71 44.1 31.9 47.9

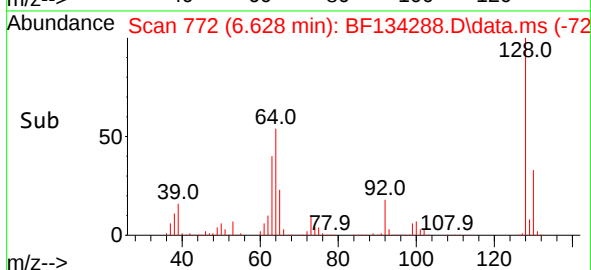
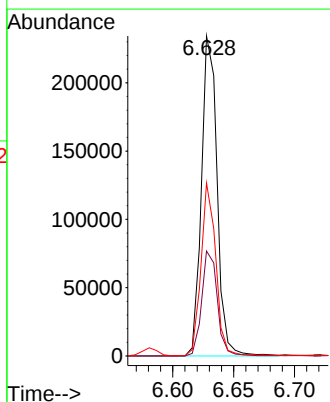
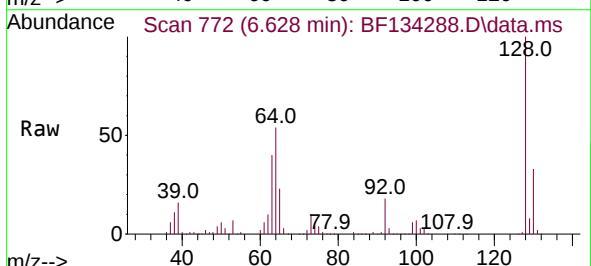
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#8  
2-Chlorophenol  
Concen: 23.144 ng  
RT: 6.628 min Scan# 772  
Delta R.T. -0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:128 Resp: 209403  
Ion Ratio Lower Upper  
128 100  
130 32.8 11.7 51.7  
64 54.1 31.3 71.3





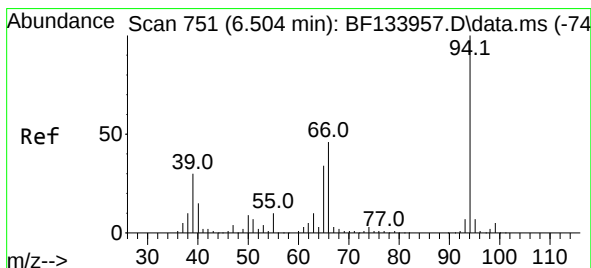
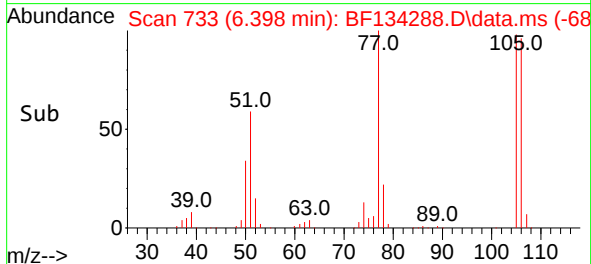
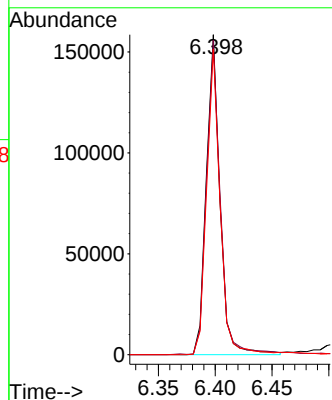
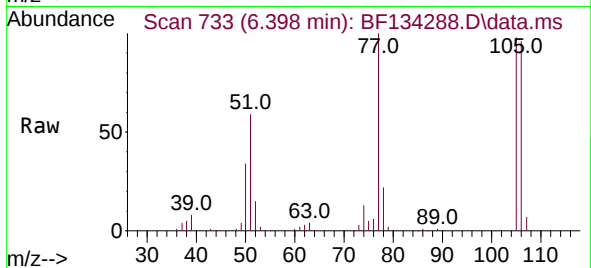
#9  
Benzaldehyde  
Concen: 18.935 ng  
RT: 6.398 min Scan# 714  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS

Tgt Ion: 77 Resp: 13214  
Ion Ratio Lower Upper  
77 100  
105 98.3 82.0 122.0  
106 95.5 76.9 116.9

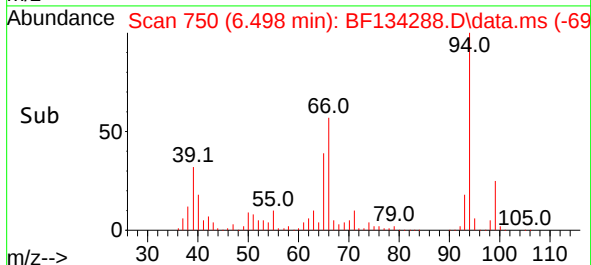
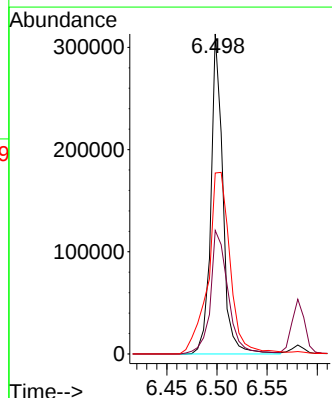
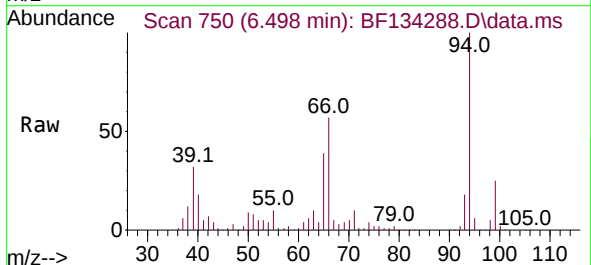
Manual Integrations  
APPROVED

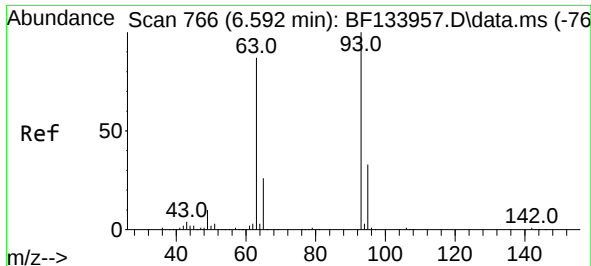
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#10  
Phenol  
Concen: 22.605 ng  
RT: 6.498 min Scan# 750  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion: 94 Resp: 260518  
Ion Ratio Lower Upper  
94 100  
65 38.6 14.2 54.2  
66 56.5 26.4 66.4





#11

bis(2-Chloroethyl)ether

Concen: 22.269 ng

RT: 6.581 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

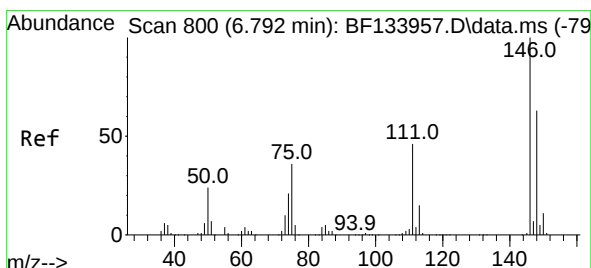
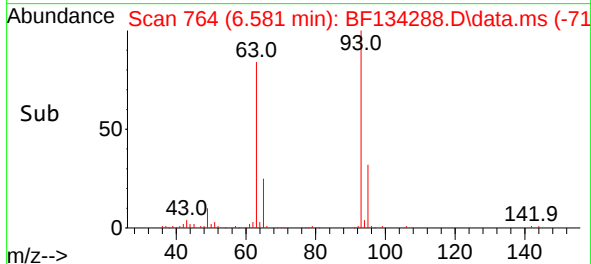
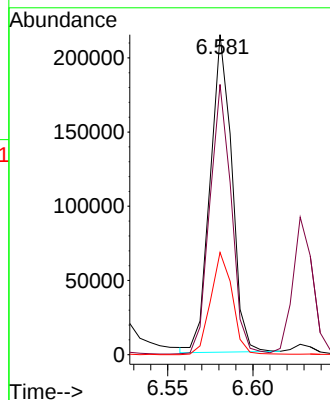
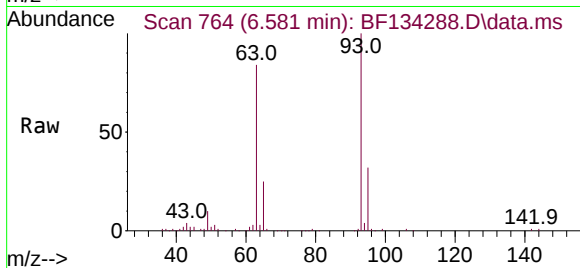
Tgt Ion: 93 Resp: 188940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 63  | 84.5  | 66.5  | 106.5 |
| 95  | 31.9  | 12.9  | 52.9  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#12

1,3-Dichlorobenzene

Concen: 23.722 ng

RT: 6.781 min Scan# 798

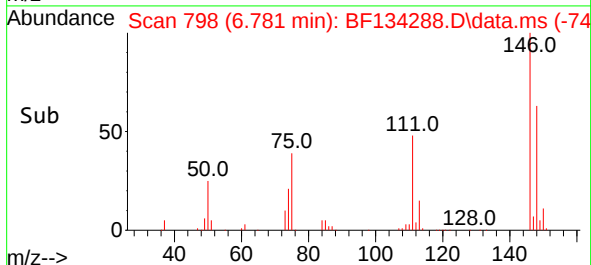
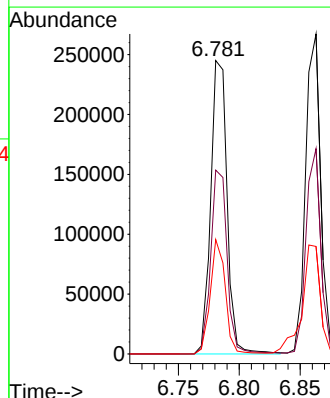
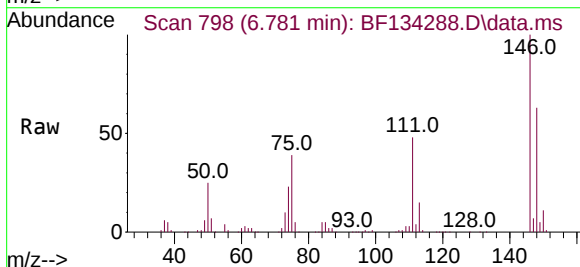
Delta R.T. -0.006 min

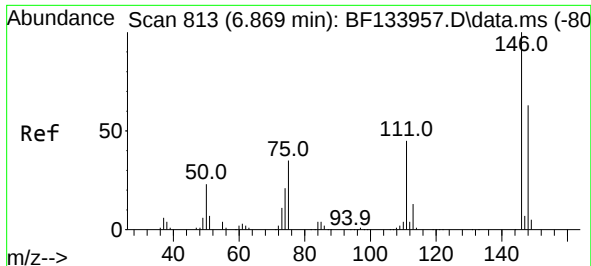
Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Tgt Ion:146 Resp: 228819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 148 | 62.6  | 50.5  | 75.7  |
| 75  | 39.0  | 29.0  | 43.6  |





#13

1,4-Dichlorobenzene

Concen: 24.193 ng

RT: 6.863 min Scan# 813

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion:146 Resp: 23571

Ion Ratio Lower Upper

146 100

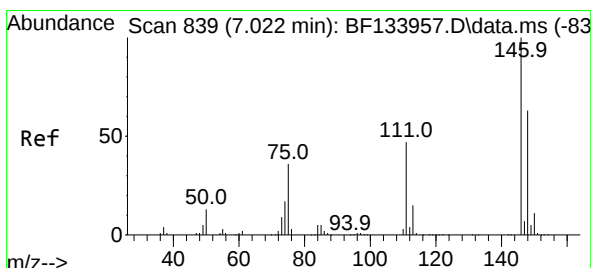
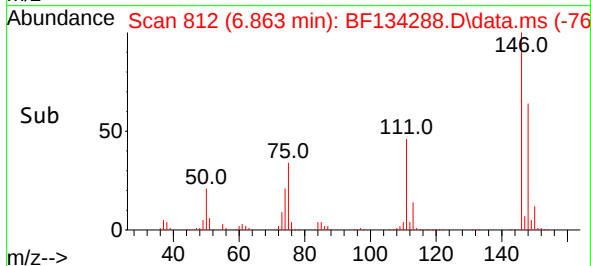
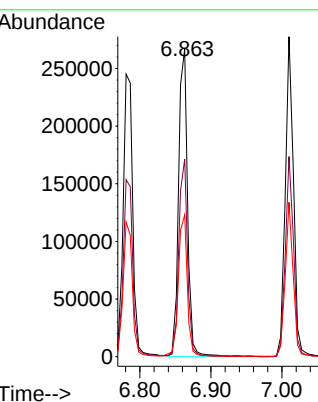
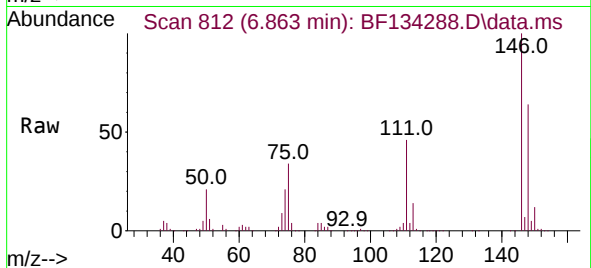
148 64.1 50.2 75.2

111 46.1 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#14

1,2-Dichlorobenzene

Concen: 24.400 ng

RT: 7.010 min Scan# 837

Delta R.T. -0.006 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

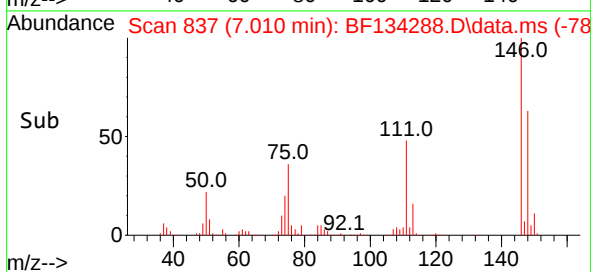
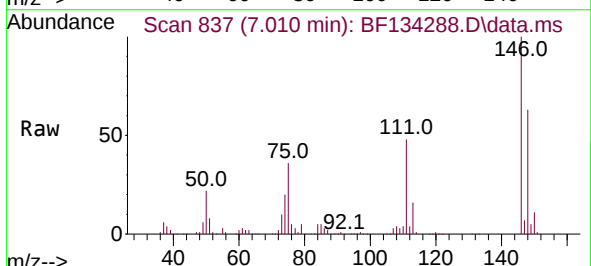
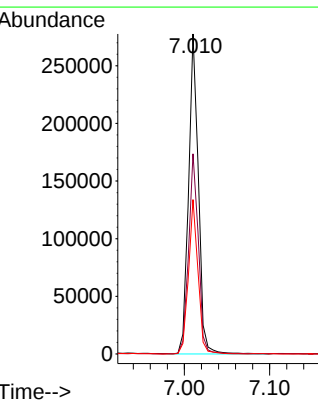
Tgt Ion:146 Resp: 222642

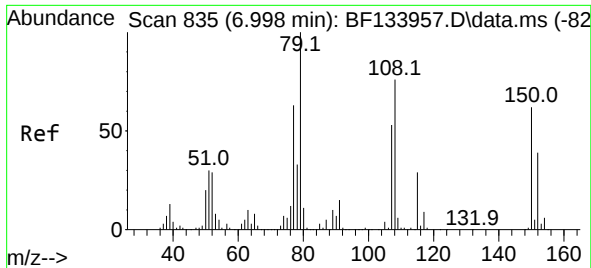
Ion Ratio Lower Upper

146 100

148 62.6 50.6 76.0

111 48.3 38.0 57.0





#15  
Benzyl Alcohol  
Concen: 23.128 ng  
RT: 6.992 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

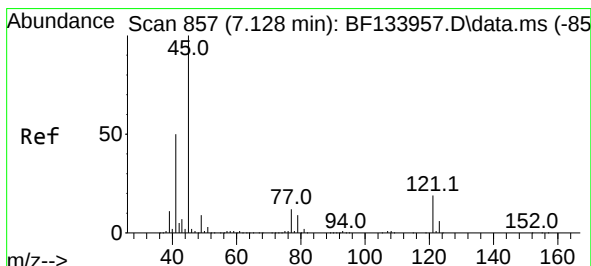
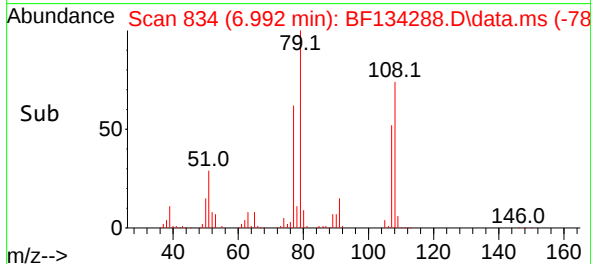
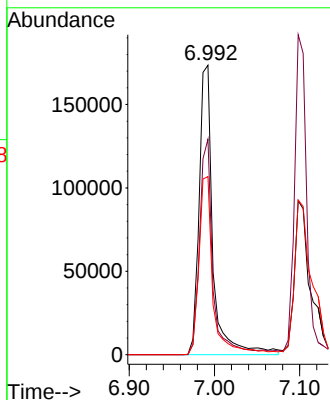
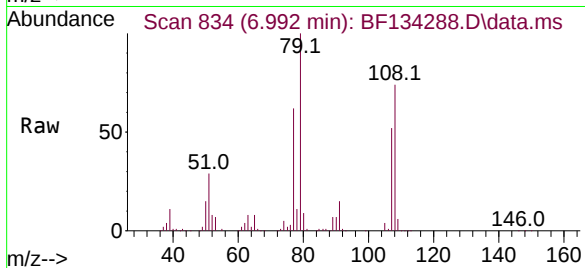
PB154028BS

Tgt Ion: 79 Resp: 195432  
Ion Ratio Lower Upper  
79 100  
108 74.5 60.7 91.1  
77 61.6 50.6 75.8

Manual Integrations

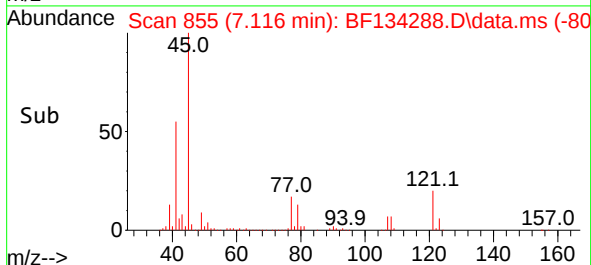
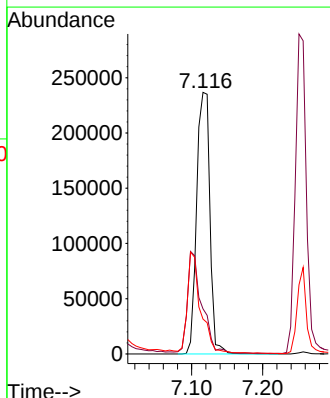
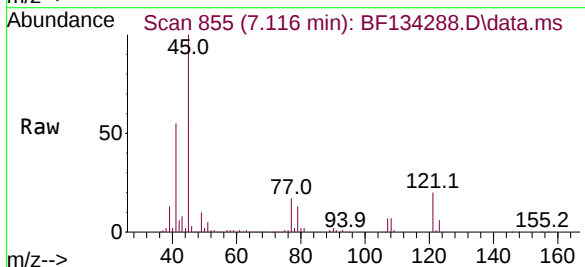
APPROVED

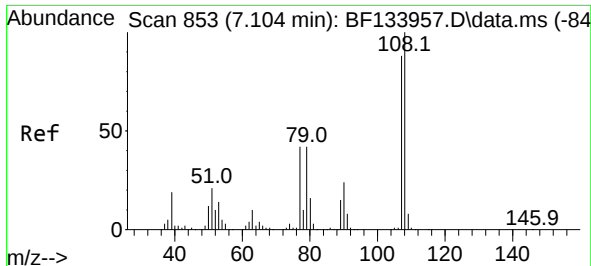
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 20.443 ng  
RT: 7.116 min Scan# 855  
Delta R.T. -0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

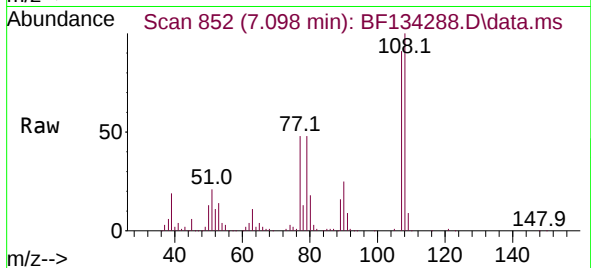
Tgt Ion: 45 Resp: 306862  
Ion Ratio Lower Upper  
45 100  
77 17.3 0.0 32.9  
79 13.3 0.0 29.5





#17  
2-Methylphenol  
Concen: 21.400 ng  
RT: 7.098 min Scan# 853  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

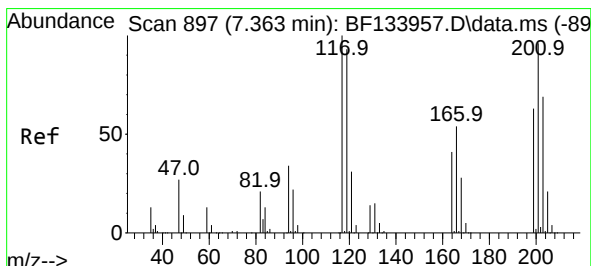
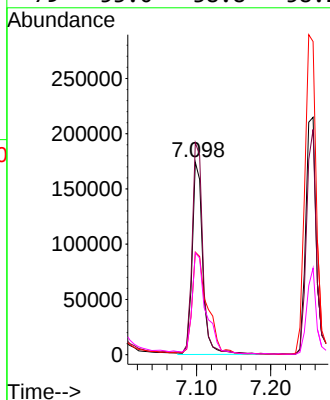
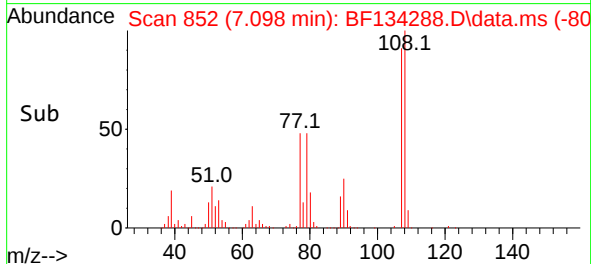
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:107 Resp: 17338  
Ion Ratio Lower Upper  
107 100  
108 110.2 90.6 136.0  
77 53.3 38.3 57.5  
79 53.0 38.8 58.2

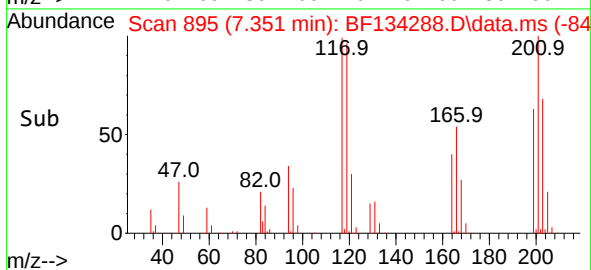
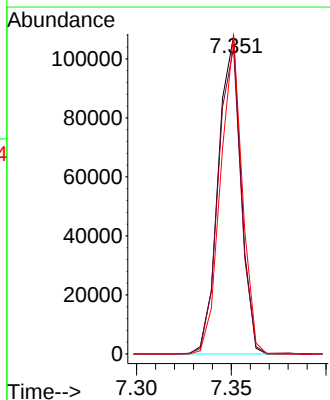
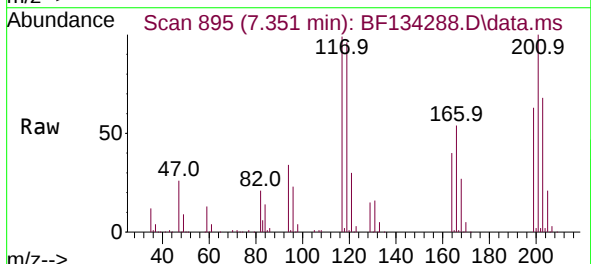
Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#18  
Hexachloroethane  
Concen: 24.835 ng  
RT: 7.351 min Scan# 895  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

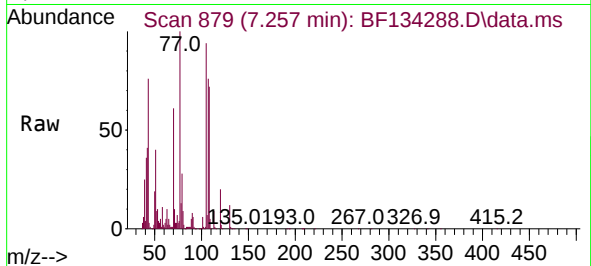
Tgt Ion:117 Resp: 89718  
Ion Ratio Lower Upper  
117 100  
119 96.4 74.2 111.4  
201 100.8 77.2 115.8





#19  
n-Nitroso-di-n-propylamine  
Concen: 22.429 ng  
RT: 7.257 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

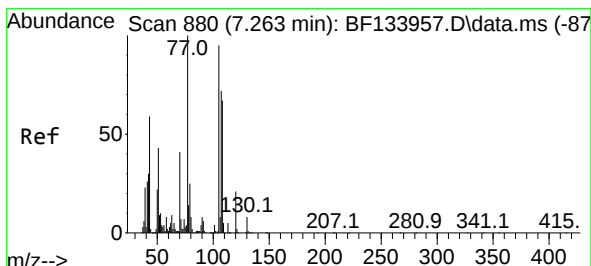
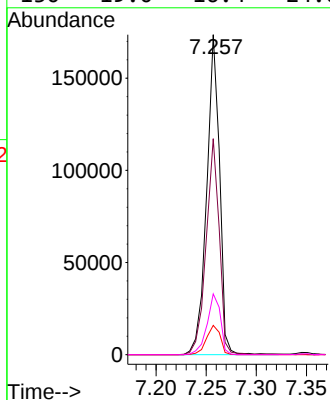
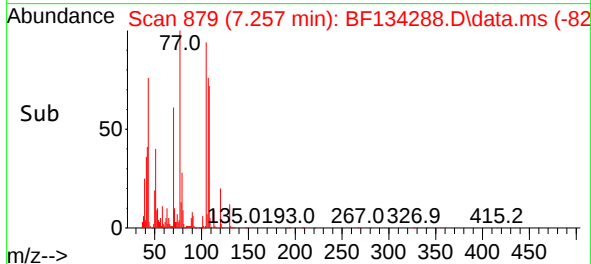
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



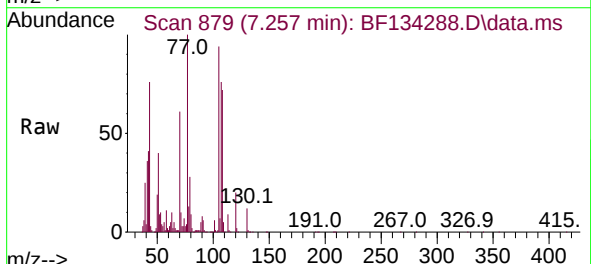
Tgt Ion: 70 Resp: 15591  
Ion Ratio Lower Upper  
70 100  
42 67.5 54.7 82.1  
101 9.1 7.7 11.5  
130 19.0 16.4 24.6

Manual Integrations  
APPROVED

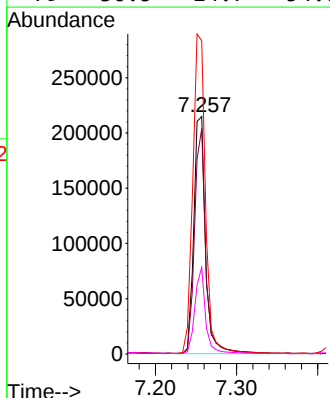
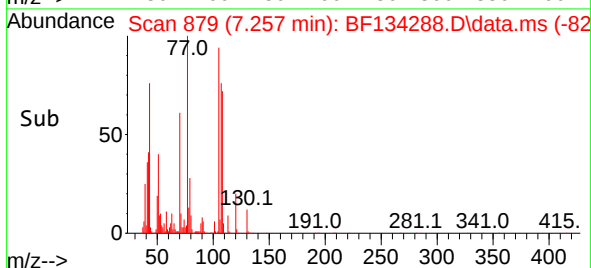
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

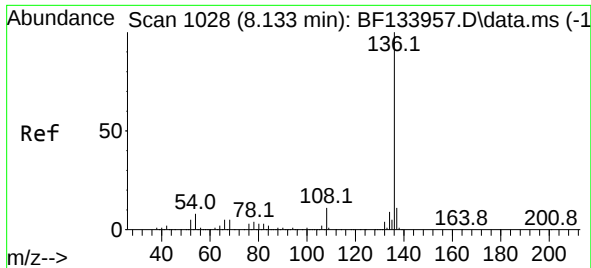


#20  
3+4-Methylphenols  
Concen: 22.214 ng  
RT: 7.257 min Scan# 879  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:107 Resp: 218342  
Ion Ratio Lower Upper  
107 100  
108 94.9 73.2 113.2  
77 131.9 118.3 158.3  
79 36.5 14.7 54.7





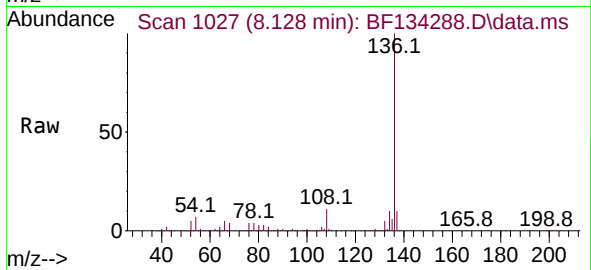
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.128 min Scan# 1027  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

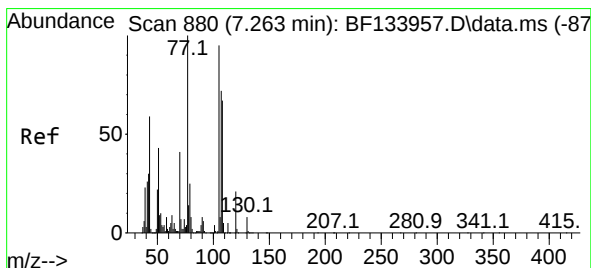
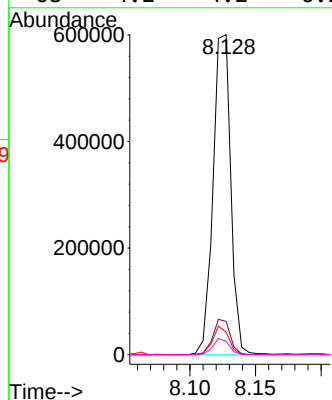
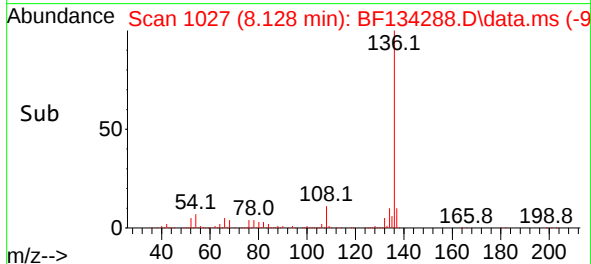


Tgt Ion:136 Resp: 565129  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.6 12.8  
54 7.1 6.5 9.7  
68 4.2 4.2 6.2

Manual Integrations

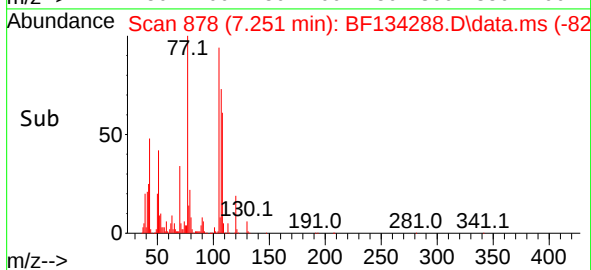
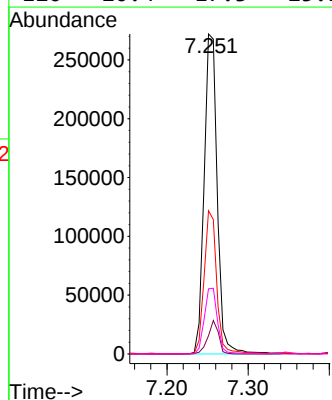
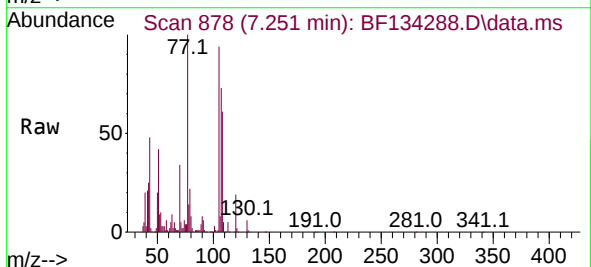
APPROVED

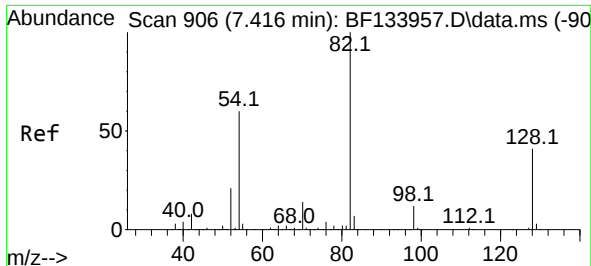
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#22  
Acetophenone  
Concen: 23.741 ng  
RT: 7.251 min Scan# 878  
Delta R.T. -0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:105 Resp: 305128  
Ion Ratio Lower Upper  
105 100  
71 5.7 5.5 8.3  
51 44.8 36.5 54.7  
120 20.4 17.3 25.9





#23

Nitrobenzene-d5

Concen: 46.714 ng

RT: 7.410 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion: 82 Resp: 48974

Ion Ratio Lower Upper

82 100

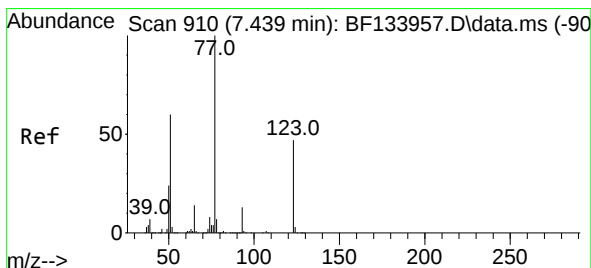
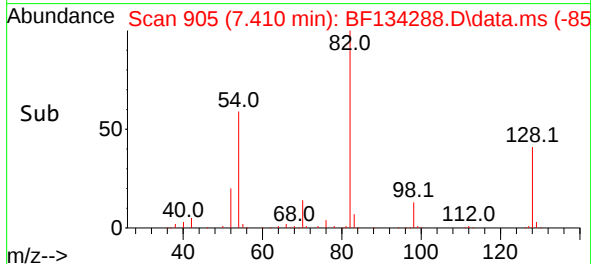
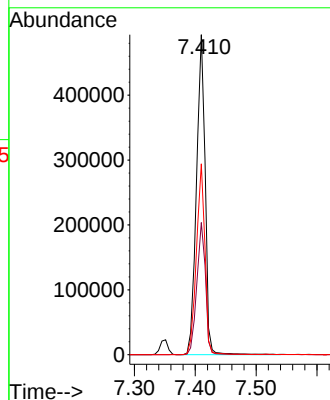
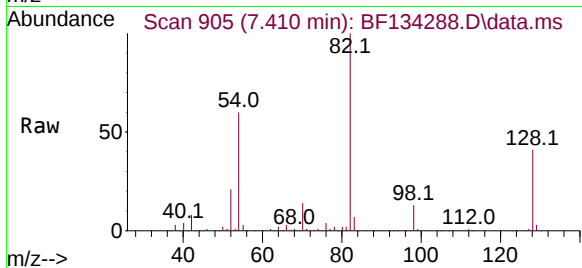
128 41.3 32.5 48.7

54 59.7 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#24

Nitrobenzene

Concen: 22.271 ng

RT: 7.428 min Scan# 908

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

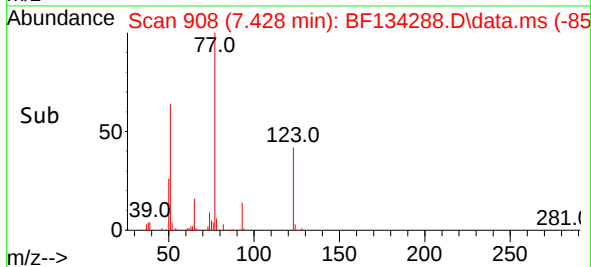
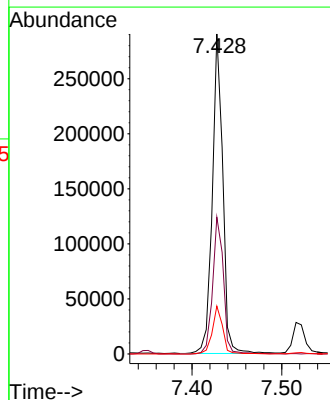
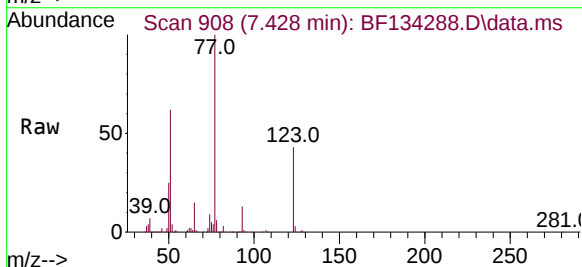
Tgt Ion: 77 Resp: 235943

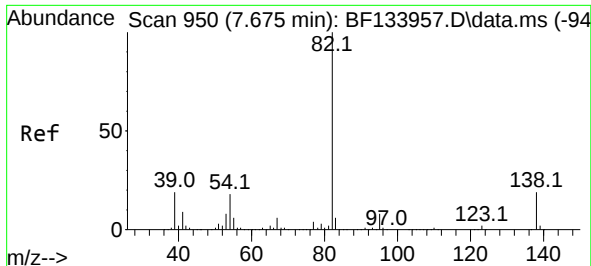
Ion Ratio Lower Upper

77 100

123 42.7 37.8 56.6

65 15.0 11.3 16.9





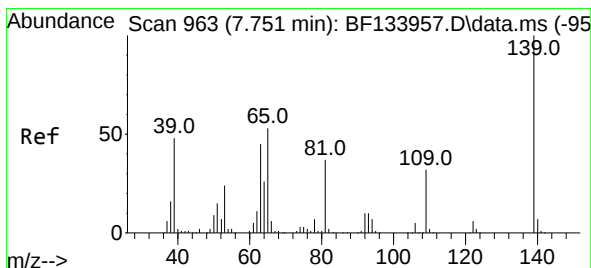
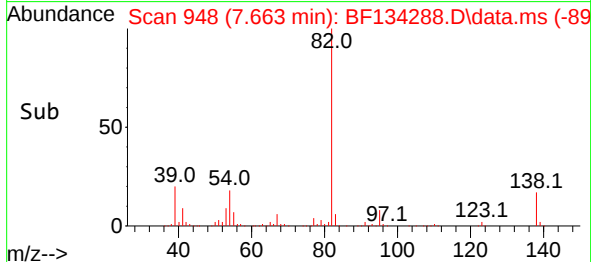
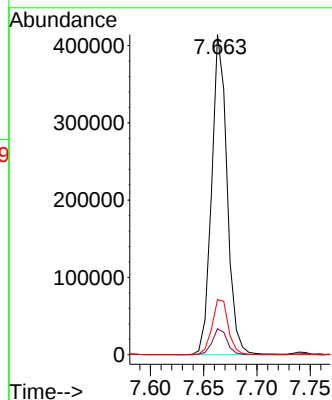
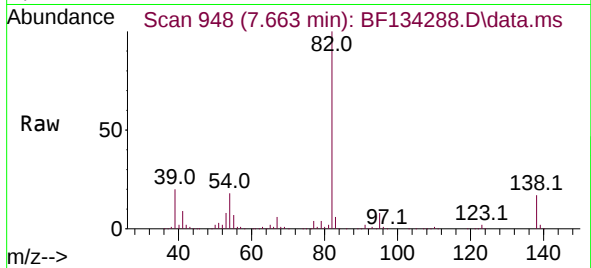
#25  
Isophorone  
Concen: 21.880 ng  
RT: 7.663 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS

Tgt Ion: 82 Resp: 416890  
Ion Ratio Lower Upper  
82 100  
95 8.1 6.1 9.1  
138 17.2 15.2 22.8

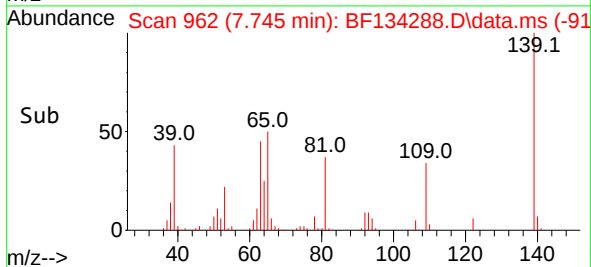
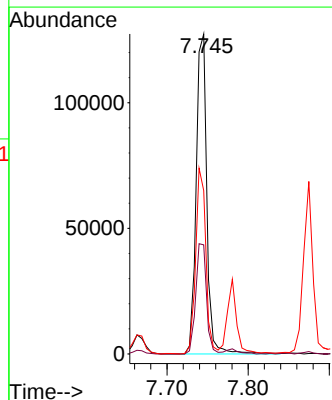
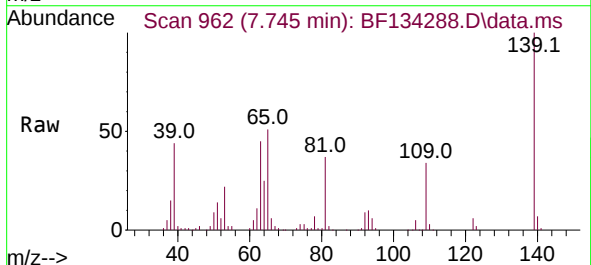
Manual Integrations  
APPROVED

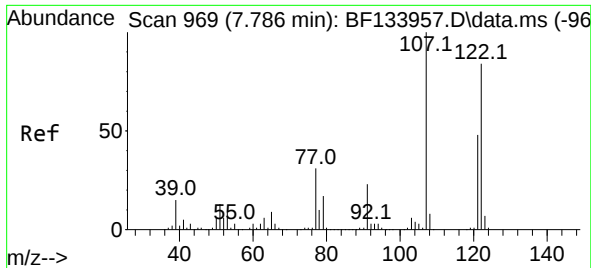
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#26  
2-Nitrophenol  
Concen: 23.049 ng  
RT: 7.745 min Scan# 962  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:139 Resp: 117137  
Ion Ratio Lower Upper  
139 100  
109 34.1 25.8 38.8  
65 51.0 42.4 63.6





#27  
2,4-Dimethylphenol  
Concen: 23.096 ng  
RT: 7.781 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

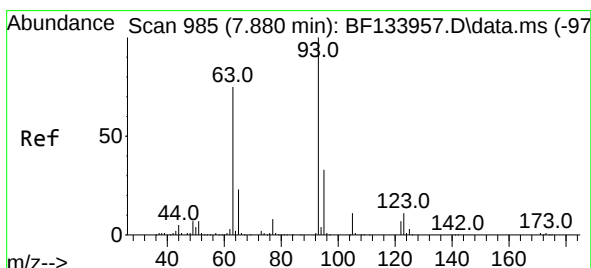
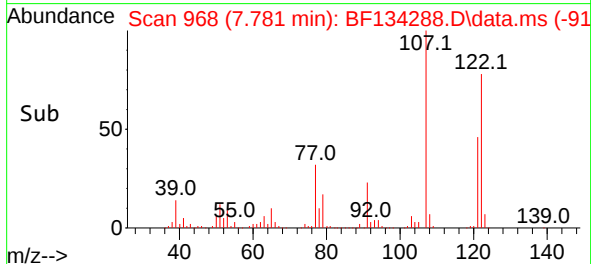
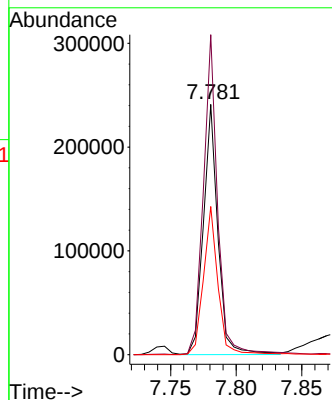
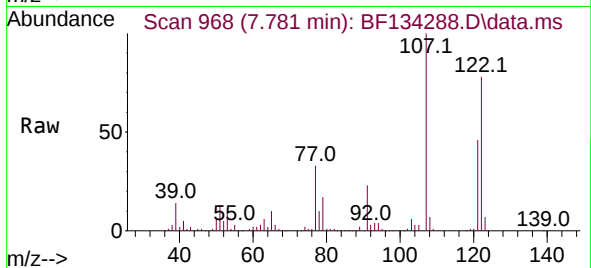
PB154028BS

Tgt Ion:122 Resp: 185790  
Ion Ratio Lower Upper  
122 100  
107 127.9 95.5 143.3  
121 59.2 45.5 68.3

Manual Integrations

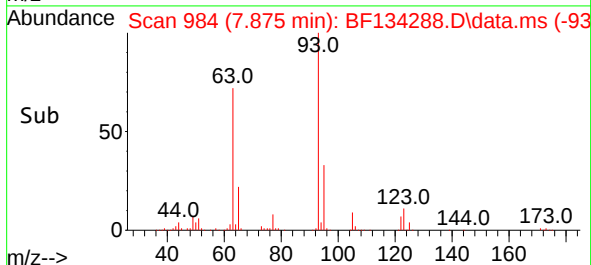
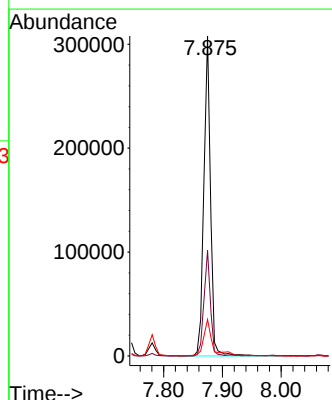
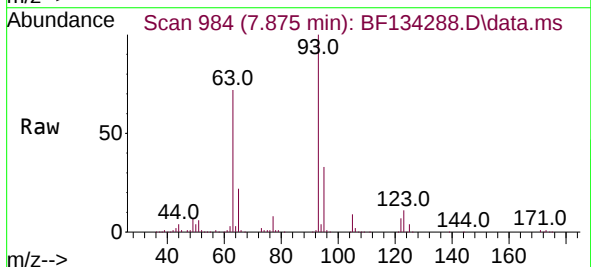
APPROVED

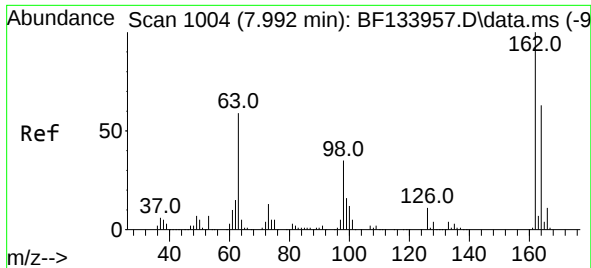
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 21.889 ng  
RT: 7.875 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion: 93 Resp: 241491  
Ion Ratio Lower Upper  
93 100  
95 33.0 26.5 39.7  
123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 22.515 ng

RT: 7.986 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BF134288.D

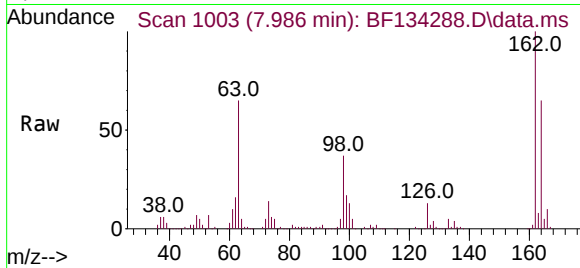
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS



Tgt Ion:162 Resp: 17960

Ion Ratio Lower Upper

162 100

164 64.8 43.2 83.2

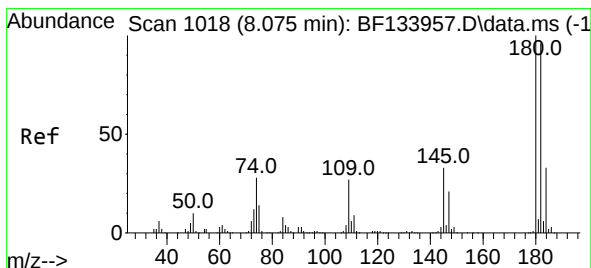
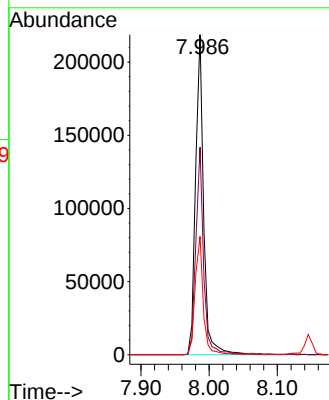
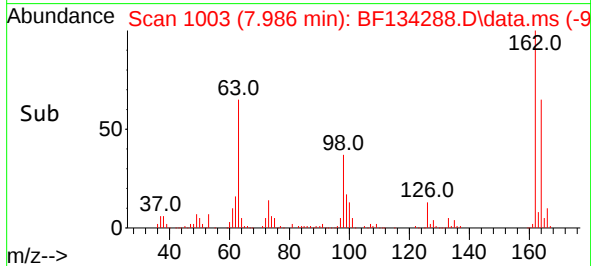
98 36.9 14.9 54.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023

Supervised By :mohammad ahmed 07/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 23.567 ng

RT: 8.063 min Scan# 1016

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

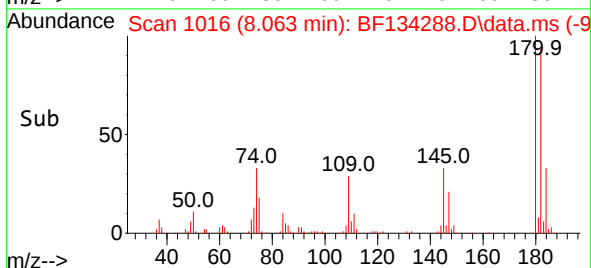
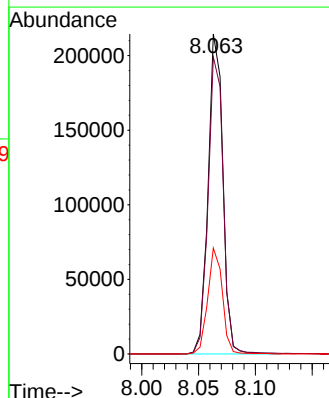
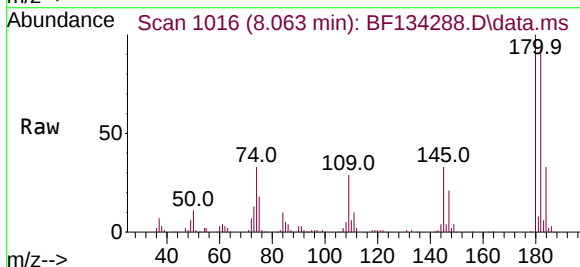
Tgt Ion:180 Resp: 193987

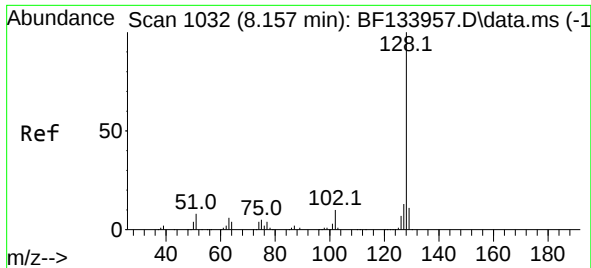
Ion Ratio Lower Upper

180 100

182 92.9 77.1 115.7

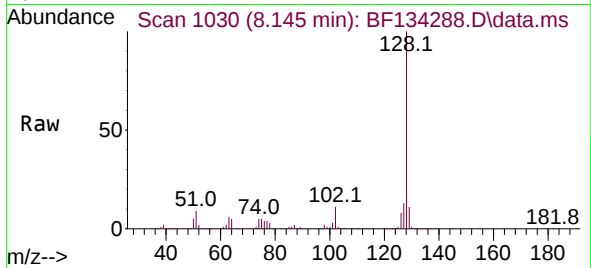
145 33.1 26.0 39.0





#31  
Naphthalene  
Concen: 22.149 ng  
RT: 8.145 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

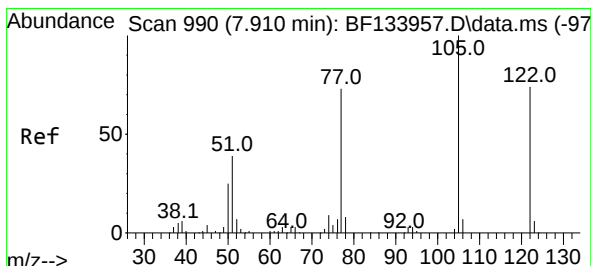
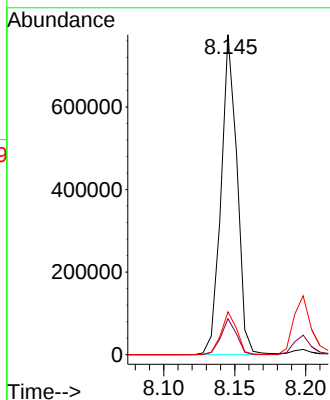
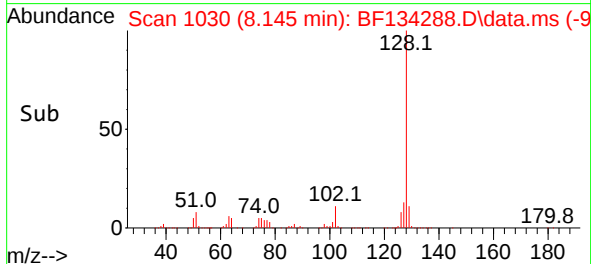
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:128 Resp: 60460  
Ion Ratio Lower Upper  
128 100  
129 11.3 8.7 13.1  
127 13.4 10.6 15.8

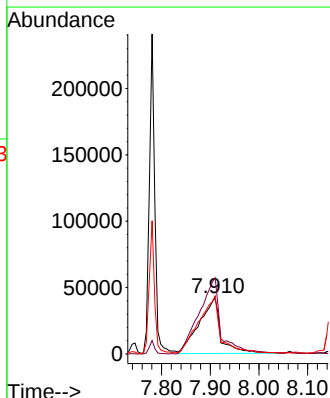
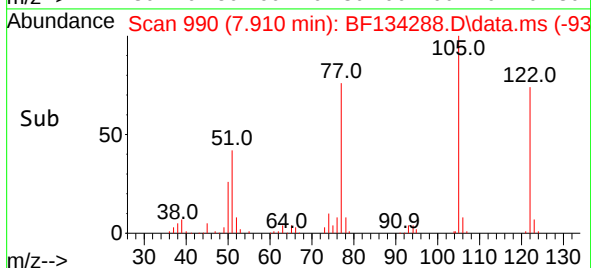
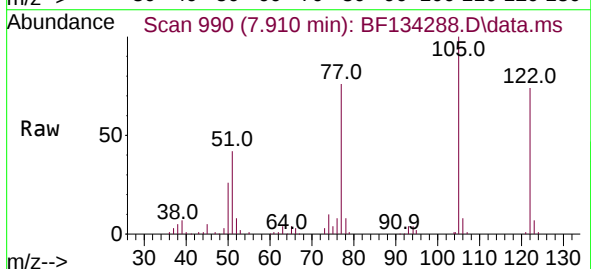
Manual Integrations  
APPROVED

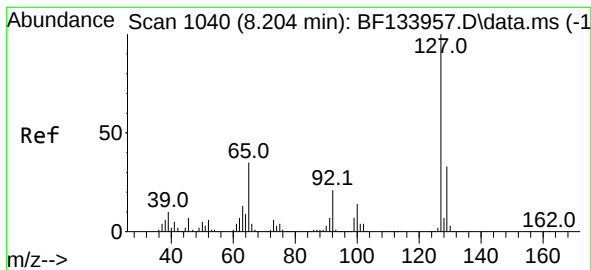
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#32  
Benzoic acid  
Concen: 21.646 ng  
RT: 7.910 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:122 Resp: 130484  
Ion Ratio Lower Upper  
122 100  
105 135.9 109.7 149.7  
77 103.7 76.0 116.0





#33

4-Chloroaniline

Concen: 11.893 ng

RT: 8.198 min Scan# 1039

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

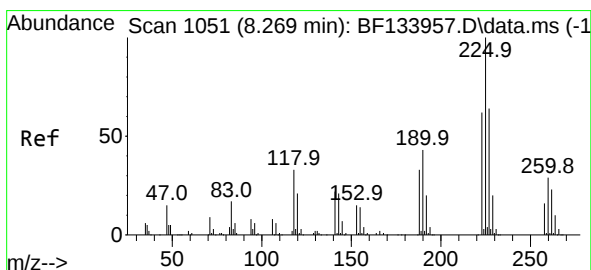
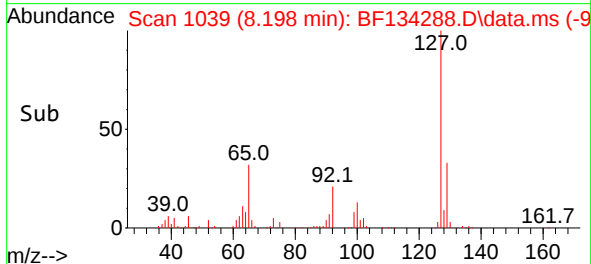
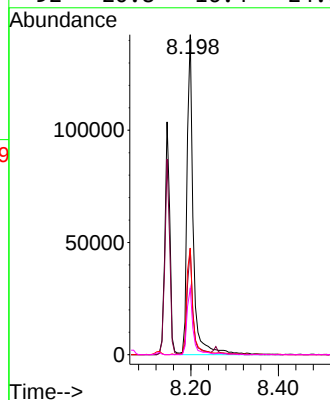
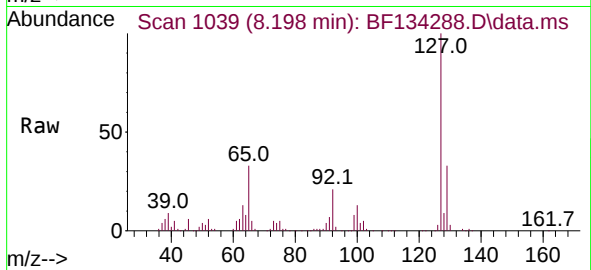
PB154028BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 13887 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 33.3  | 26.4  | 39.6  |
| 65        | 33.4  | 27.8  | 41.8  |
| 92        | 20.8  | 16.4  | 24.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#34

Hexachlorobutadiene

Concen: 24.307 ng

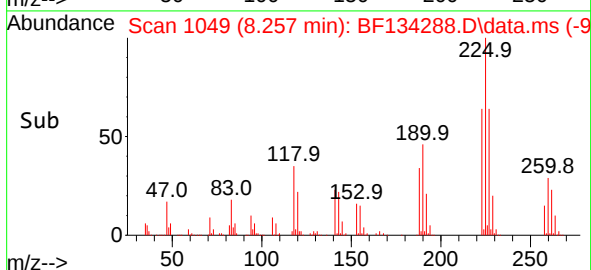
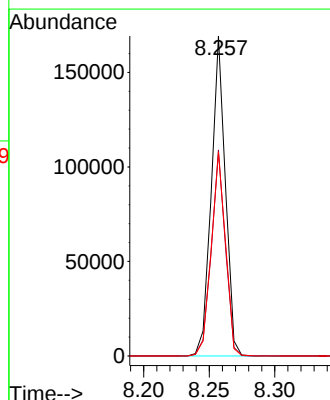
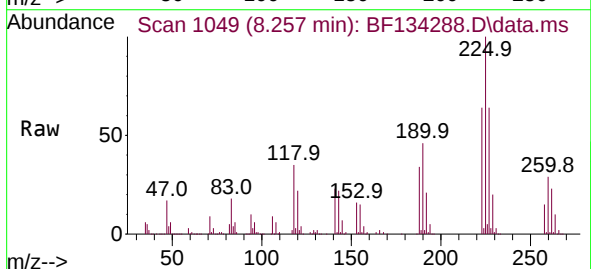
RT: 8.257 min Scan# 1049

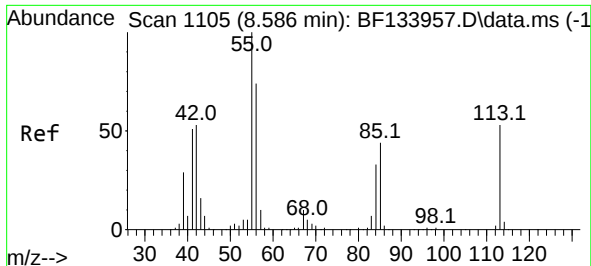
Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

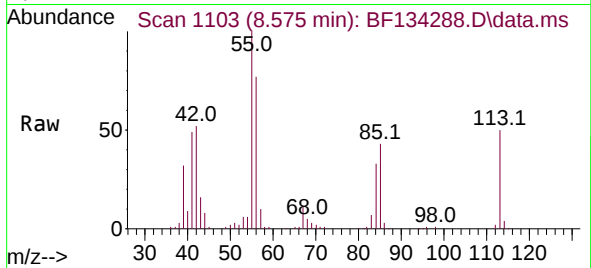
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 126207 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 64.4  | 49.8  | 74.8   |
| 227       | 63.6  | 51.0  | 76.4   |





#35  
Caprolactam  
Concen: 22.482 ng m  
RT: 8.575 min Scan# 1103  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

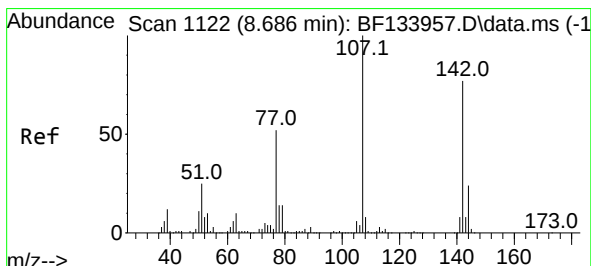
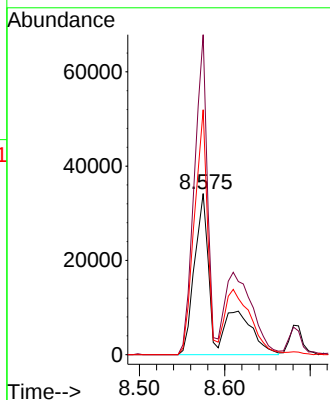
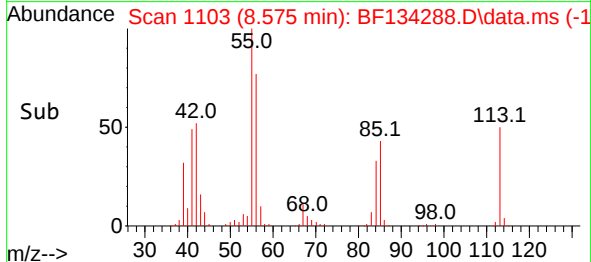
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:113 Resp: 5905  
Ion Ratio Lower Upper  
113 100  
55 198.6 170.2 210.2  
56 152.0 121.4 161.4

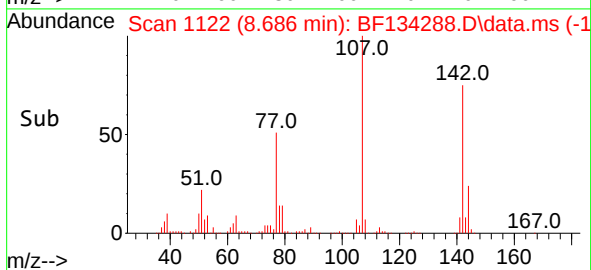
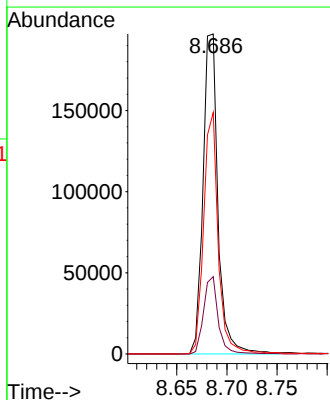
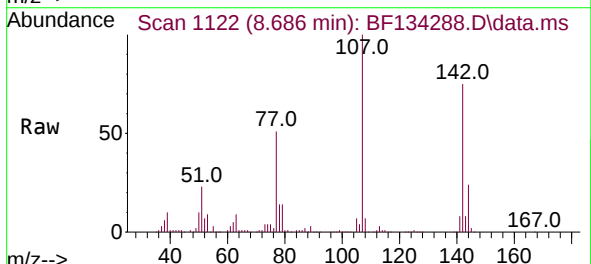
Manual Integrations  
APPROVED

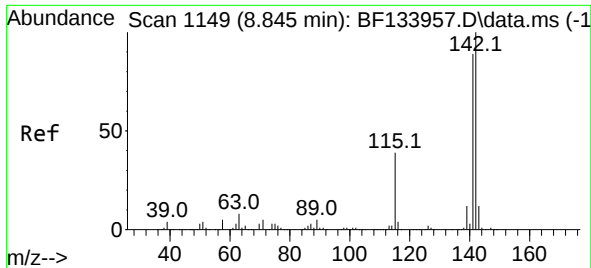
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#36  
4-Chloro-3-methylphenol  
Concen: 23.057 ng  
RT: 8.686 min Scan# 1122  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:107 Resp: 206627  
Ion Ratio Lower Upper  
107 100  
144 24.1 19.6 29.4  
142 75.5 61.4 92.2





#37  
2-Methylnaphthalene  
Concen: 21.149 ng  
RT: 8.839 min Scan# 1148  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

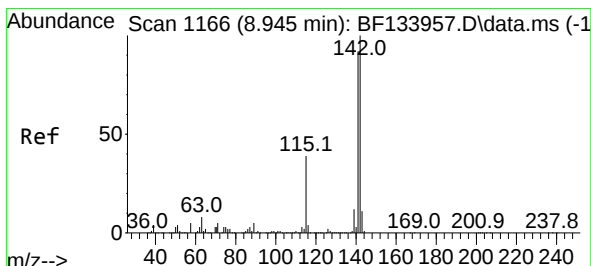
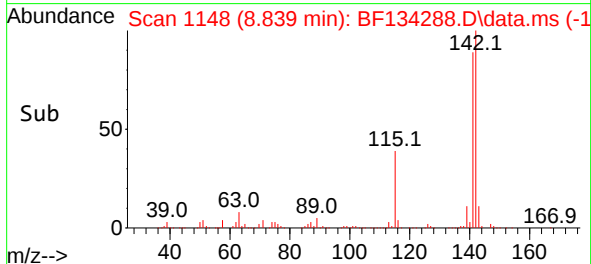
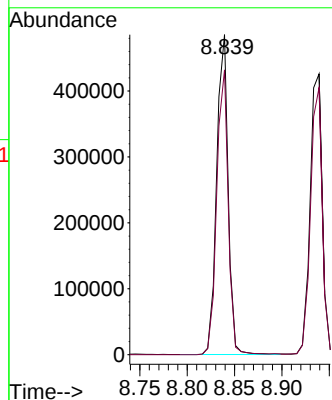
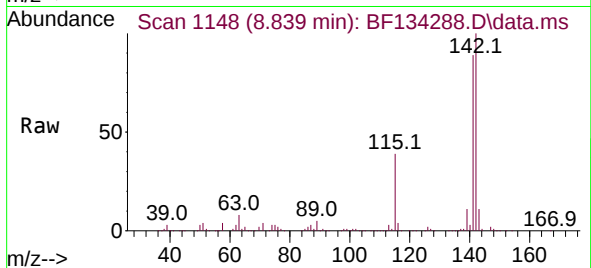
PB154028BS

Tgt Ion:142 Resp: 408245  
Ion Ratio Lower Upper  
142 100  
141 89.0 71.0 106.4

Manual Integrations

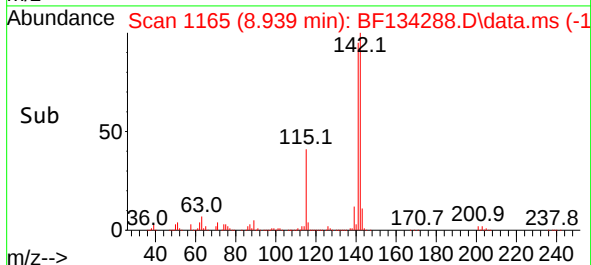
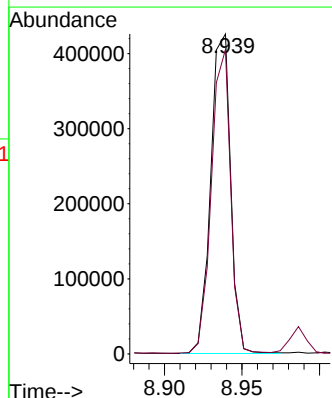
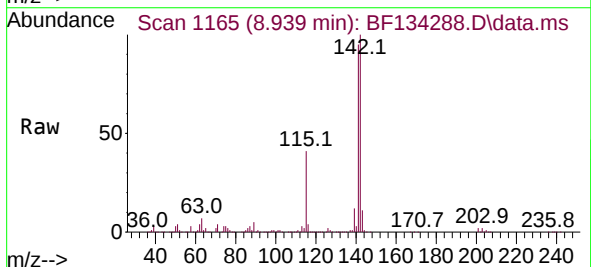
APPROVED

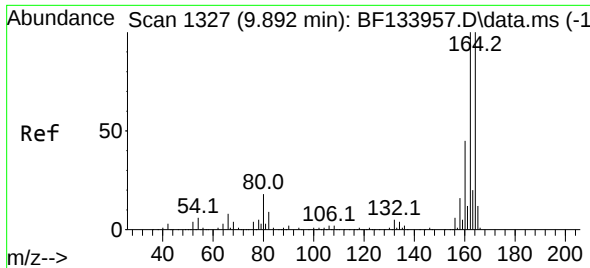
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#38  
1-Methylnaphthalene  
Concen: 21.247 ng  
RT: 8.939 min Scan# 1165  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:142 Resp: 381280  
Ion Ratio Lower Upper  
142 100  
141 95.2 73.5 110.3





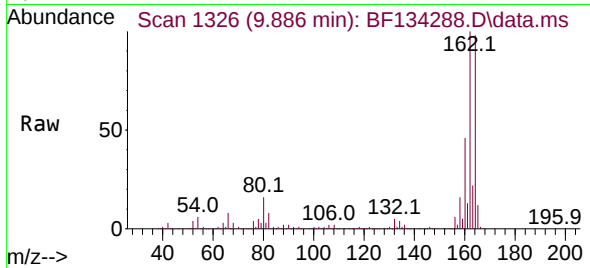
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.886 min Scan# 1176  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

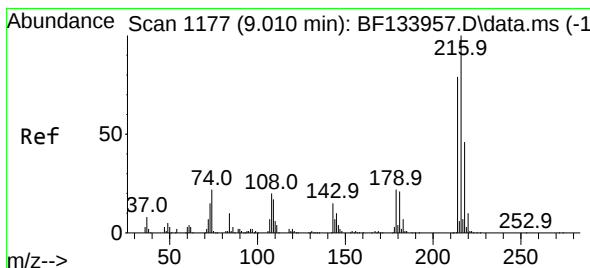
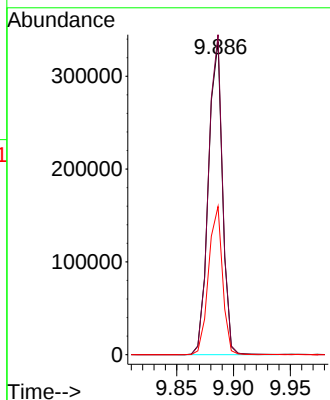
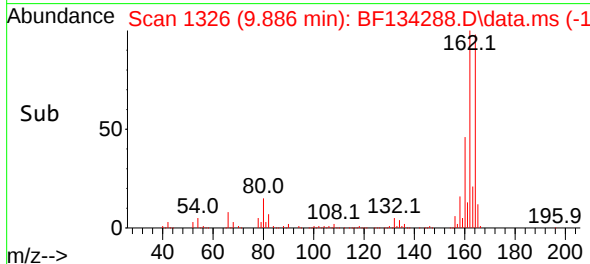


Tgt Ion:164 Resp: 289879  
Ion Ratio Lower Upper  
164 100  
162 102.2 80.0 120.0  
160 47.3 35.9 53.9

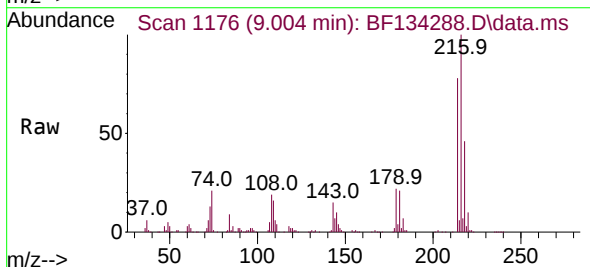
Manual Integrations

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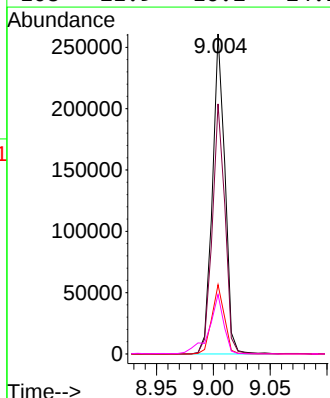
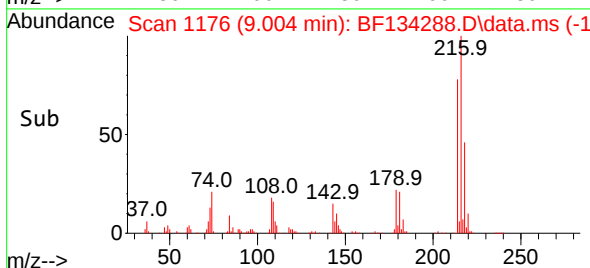
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 23.231 ng  
RT: 9.004 min Scan# 1176  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



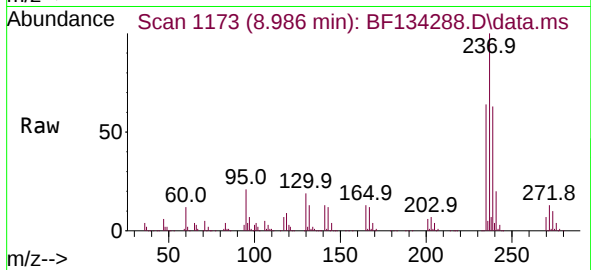
Tgt Ion:216 Resp: 199510  
Ion Ratio Lower Upper  
216 100  
214 78.9 64.1 96.1  
179 21.6 17.3 25.9  
108 21.9 16.2 24.2





#41  
Hexachlorocyclopentadiene  
Concen: 51.613 ng  
RT: 8.986 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

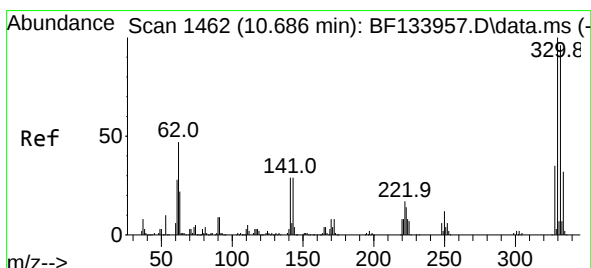
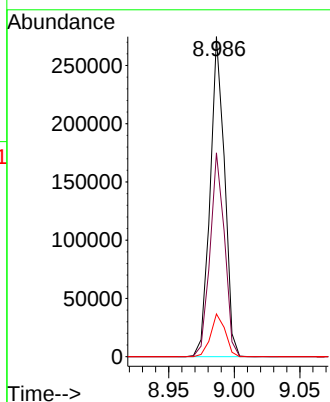
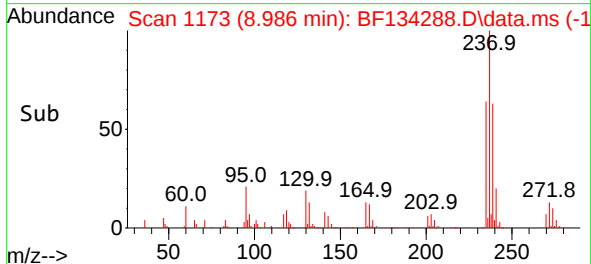
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



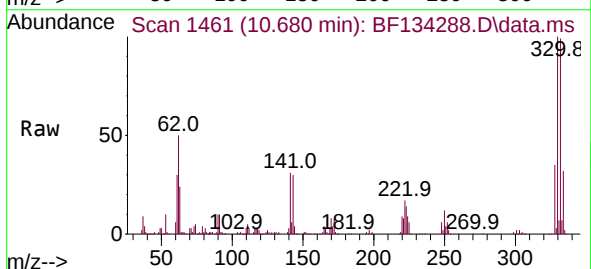
Tgt Ion: 237 Resp: 210290  
Ion Ratio Lower Upper  
237 100  
235 63.7 42.8 82.8  
272 13.3 0.0 34.6

Manual Integrations  
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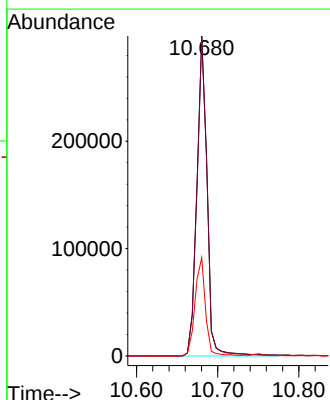
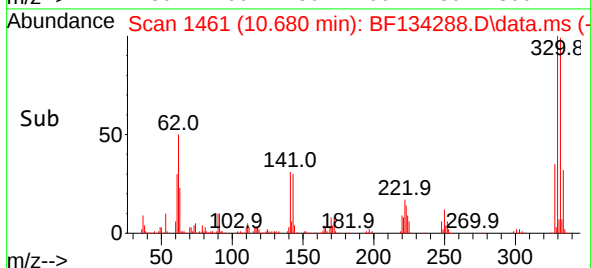
Reviewed By : Jagrut Upadhyay 07/15/2023  
Supervised By : mohammad ahmed 07/19/2023

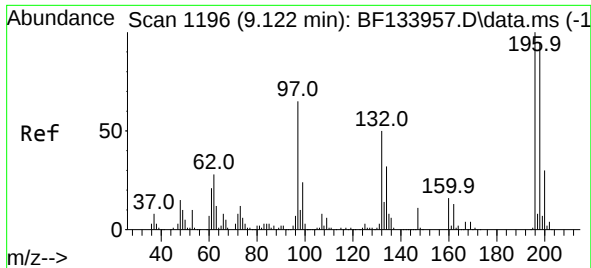


#42  
2,4,6-Tribromophenol  
Concen: 72.263 ng  
RT: 10.680 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion: 330 Resp: 262640  
Ion Ratio Lower Upper  
330 100  
332 98.9 77.0 115.6  
141 31.4 26.3 39.5





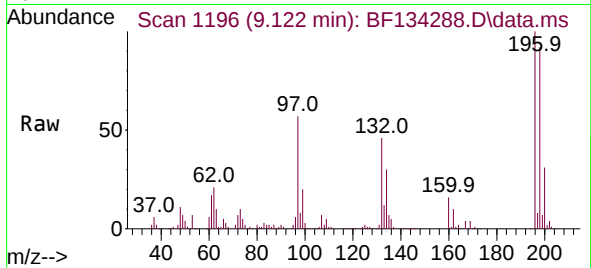
#43  
2,4,6-Trichlorophenol  
Concen: 22.387 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

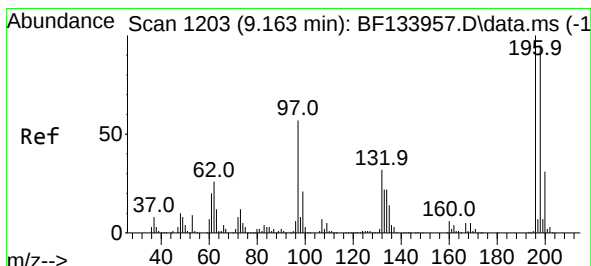
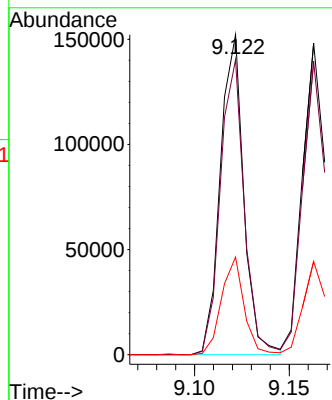
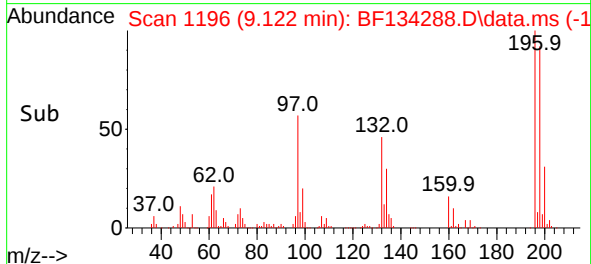


Tgt Ion:196 Resp: 13088  
Ion Ratio Lower Upper  
196 100  
198 92.2 75.6 113.4  
200 30.5 24.4 36.6

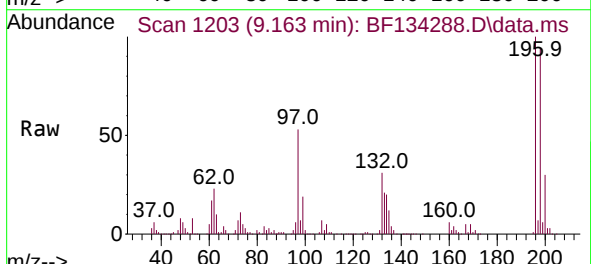
Manual Integrations

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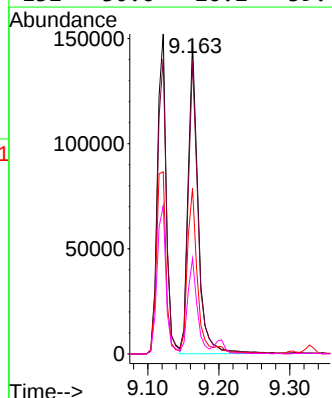
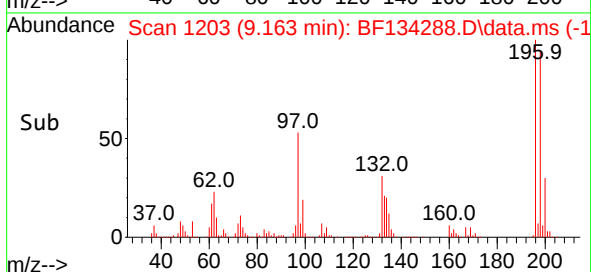
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

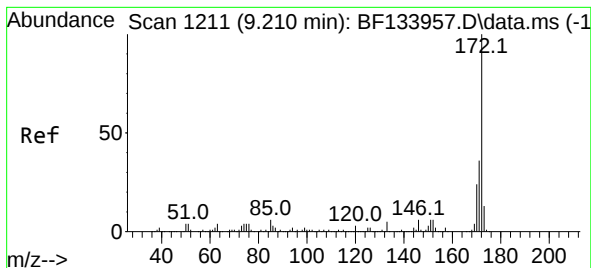


#44  
2,4,5-Trichlorophenol  
Concen: 21.009 ng  
RT: 9.163 min Scan# 1203  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:196 Resp: 144479  
Ion Ratio Lower Upper  
196 100  
198 94.1 75.7 113.5  
97 53.2 45.8 68.6  
132 30.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 47.525 ng

RT: 9.204 min Scan# 1210

Delta R.T. 0.000 min

Lab File: BF134288.D

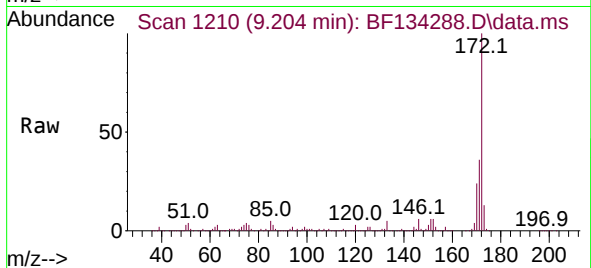
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS



Tgt Ion:172 Resp: 947560

Ion Ratio Lower Upper

172 100

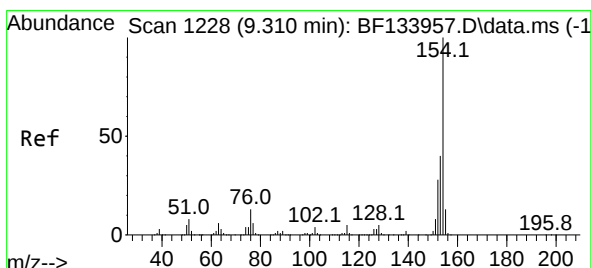
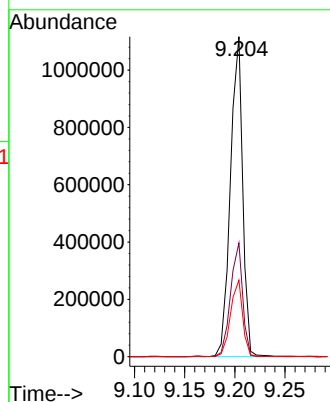
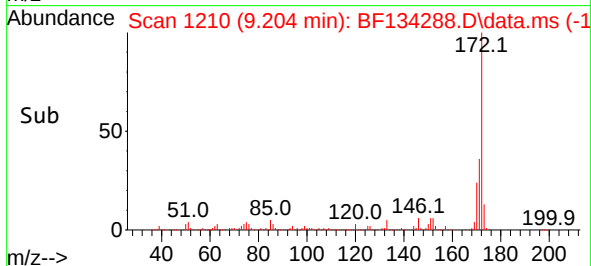
171 35.6 28.6 43.0

170 23.9 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#46

1,1'-Biphenyl

Concen: 22.493 ng

RT: 9.304 min Scan# 1227

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

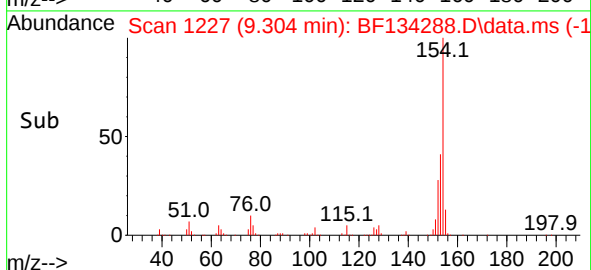
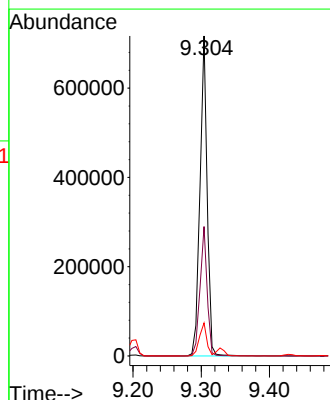
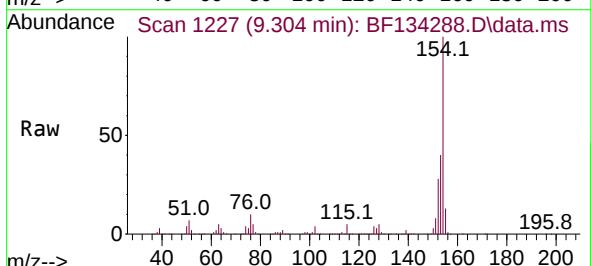
Tgt Ion:154 Resp: 523038

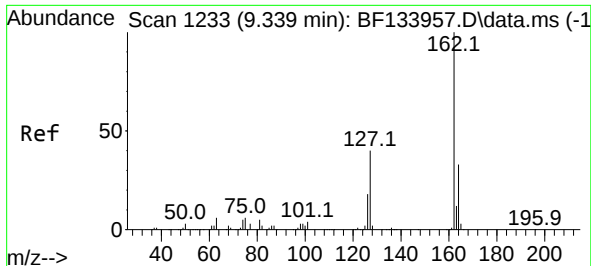
Ion Ratio Lower Upper

154 100

153 40.5 19.8 59.8

76 10.3 0.0 32.9





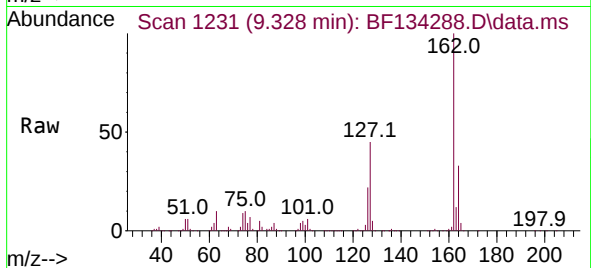
#47  
2-Chloronaphthalene  
Concen: 22.869 ng  
RT: 9.328 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

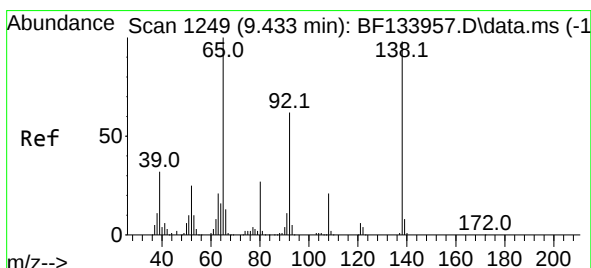
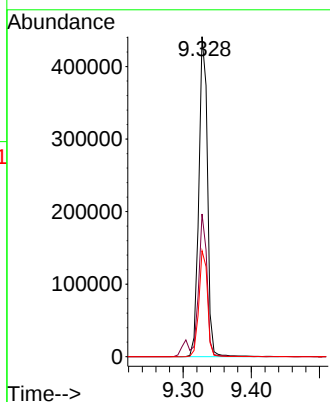
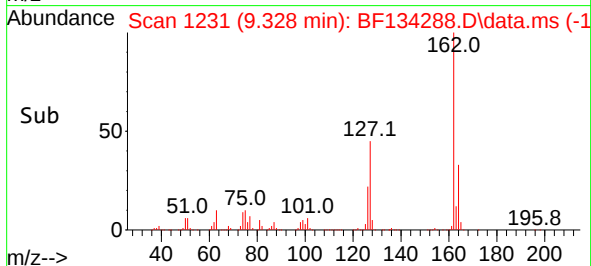


Tgt Ion:162 Resp: 389085  
Ion Ratio Lower Upper  
162 100  
127 44.6 32.9 49.3  
164 33.1 26.1 39.1

Manual Integrations

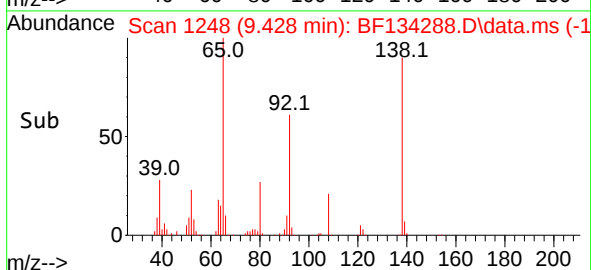
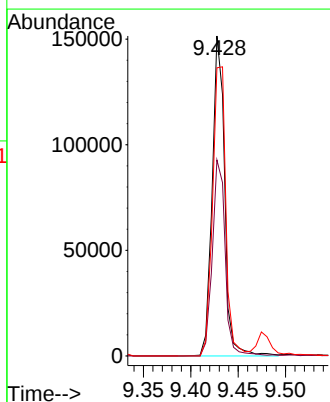
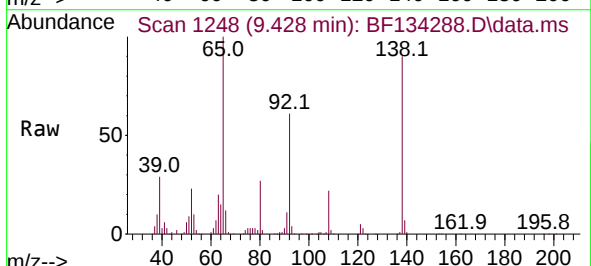
APPROVED

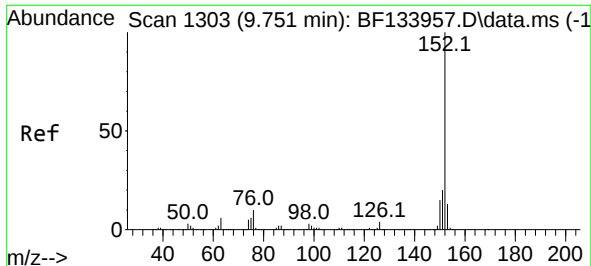
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#48  
2-Nitroaniline  
Concen: 22.371 ng  
RT: 9.428 min Scan# 1248  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion: 65 Resp: 138712  
Ion Ratio Lower Upper  
65 100  
92 61.3 49.5 74.3  
138 90.1 78.0 117.0





#49  
Acenaphthylene  
Concen: 21.718 ng  
RT: 9.745 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

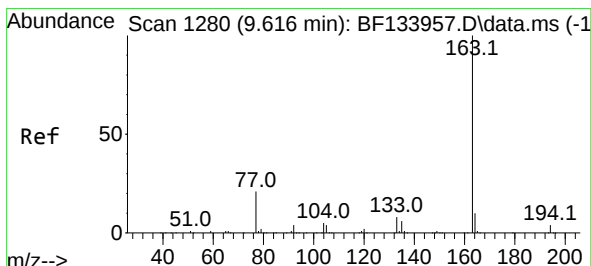
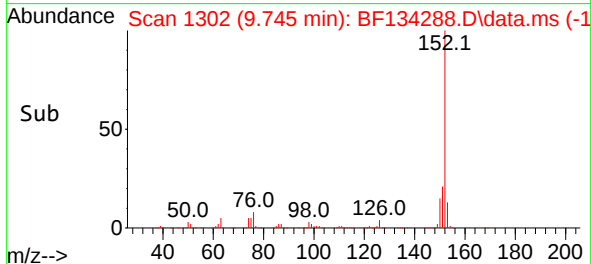
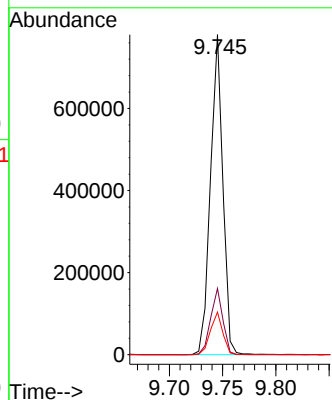
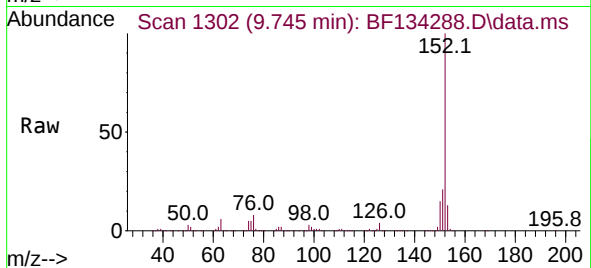
PB154028BS

Tgt Ion:152 Resp: 631180  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.2 24.2  
153 13.3 10.8 16.2

Manual Integrations

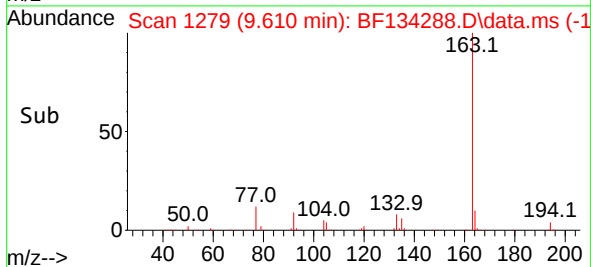
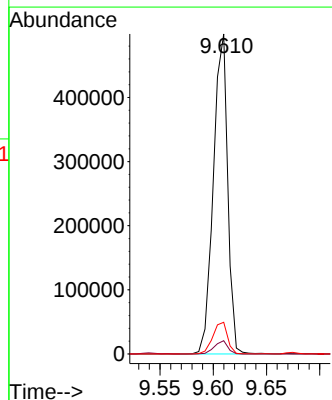
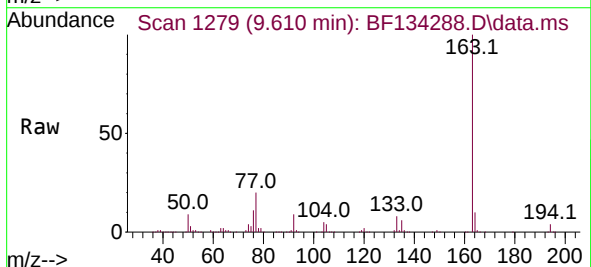
APPROVED

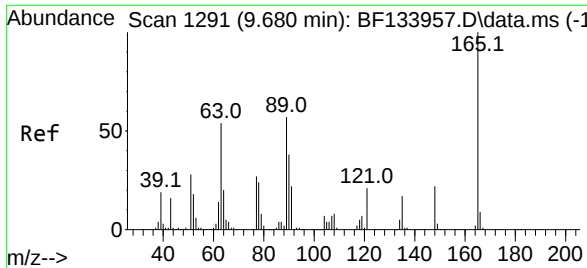
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#50  
Dimethylphthalate  
Concen: 22.157 ng  
RT: 9.610 min Scan# 1279  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:163 Resp: 466243  
Ion Ratio Lower Upper  
163 100  
194 4.2 3.0 4.6  
164 9.9 8.2 12.2





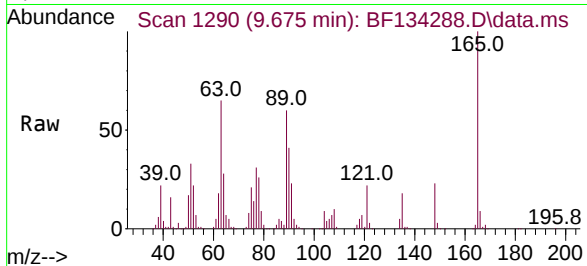
#51  
2,6-Dinitrotoluene  
Concen: 22.660 ng  
RT: 9.675 min Scan# 1291  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

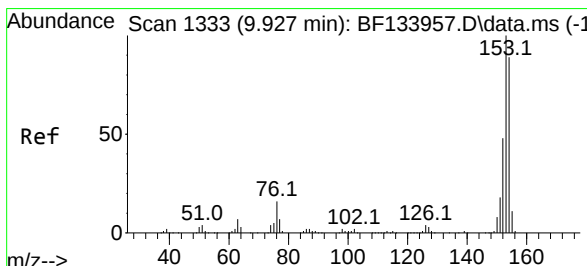
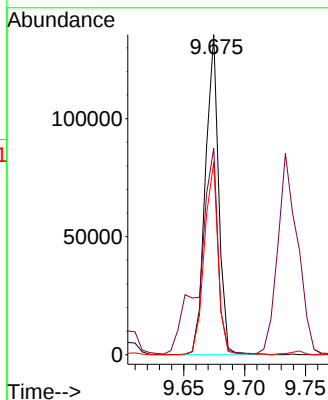
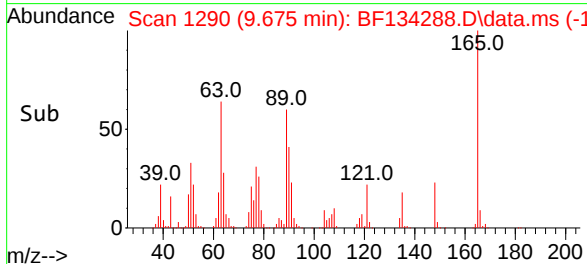


Tgt Ion:165 Resp: 102699  
Ion Ratio Lower Upper  
165 100  
63 64.5 48.5 72.7  
89 60.1 45.5 68.3

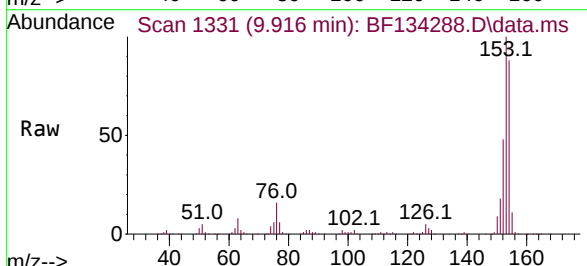
Manual Integrations

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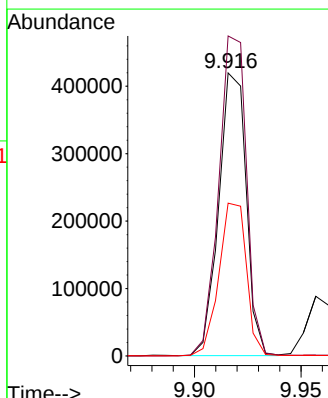
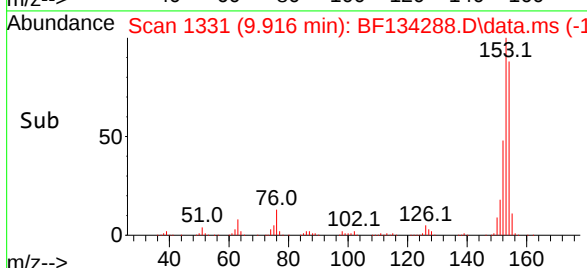
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

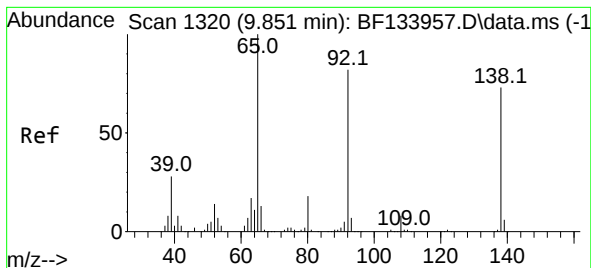


#52  
Acenaphthene  
Concen: 22.316 ng  
RT: 9.916 min Scan# 1331  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:154 Resp: 376331  
Ion Ratio Lower Upper  
154 100  
153 113.0 89.4 134.2  
152 54.0 42.8 64.2





#53

3-Nitroaniline

Concen: 16.303 ng

RT: 9.845 min Scan# 1319

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

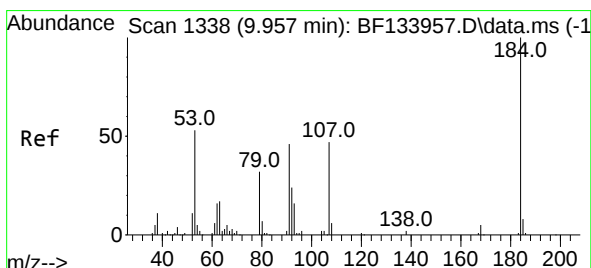
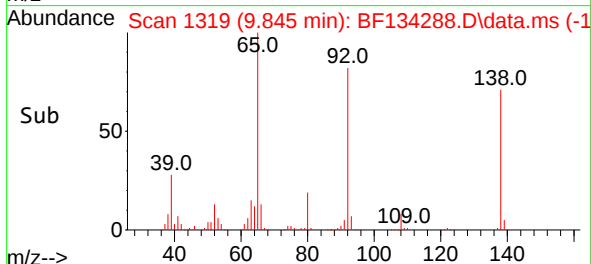
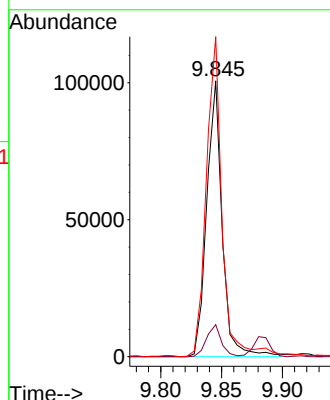
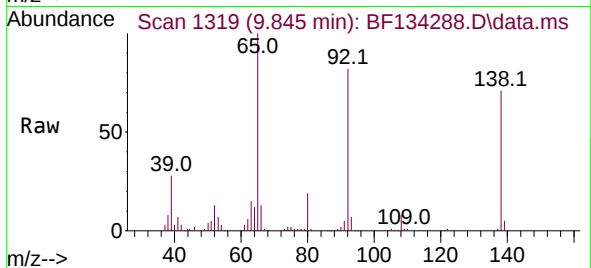
Tgt Ion:138 Resp: 88639

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 11.6  | 8.4   | 12.6  |
| 92  | 116.0 | 90.1  | 135.1 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#54

2,4-Dinitrophenol

Concen: 47.074 ng

RT: 9.957 min Scan# 1338

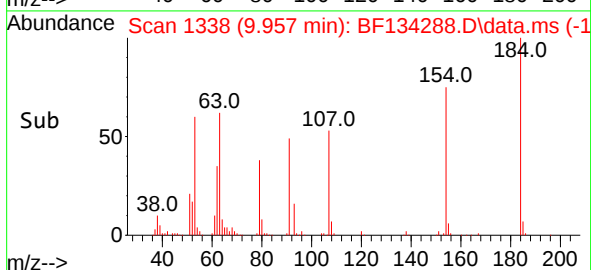
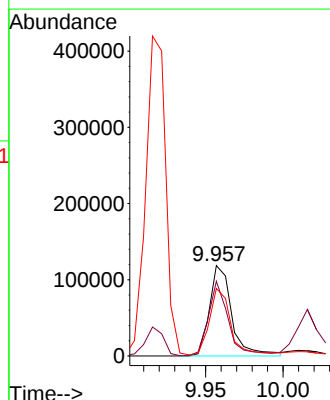
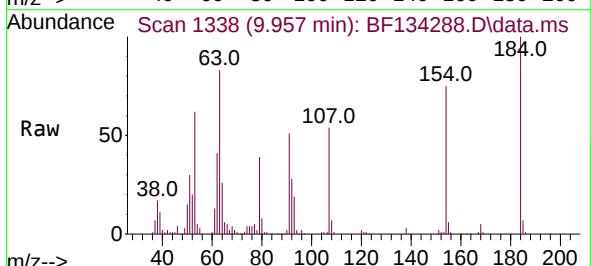
Delta R.T. 0.000 min

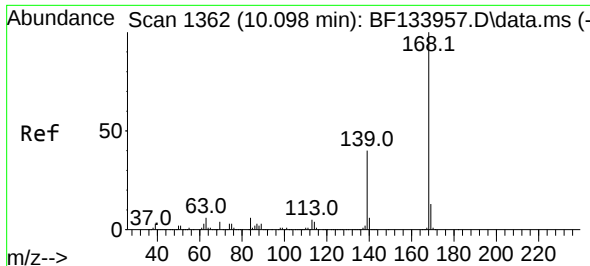
Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Tgt Ion:184 Resp: 118836

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 63  | 82.7  | 56.9  | 85.3  |
| 154 | 74.7  | 55.4  | 83.0  |





#55  
Dibenzenofuran  
Concen: 21.770 ng  
RT: 10.092 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

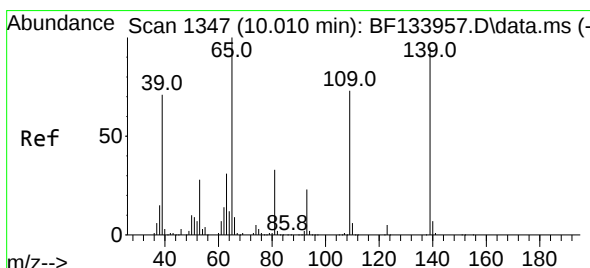
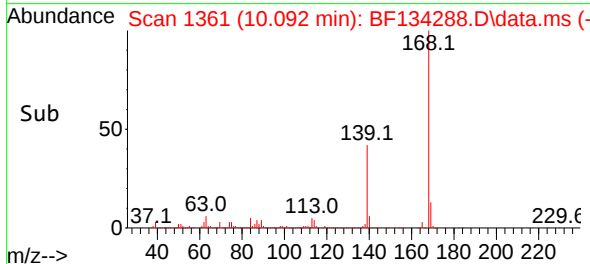
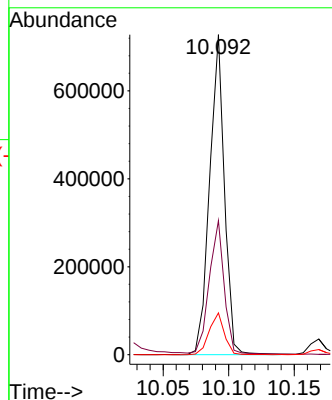
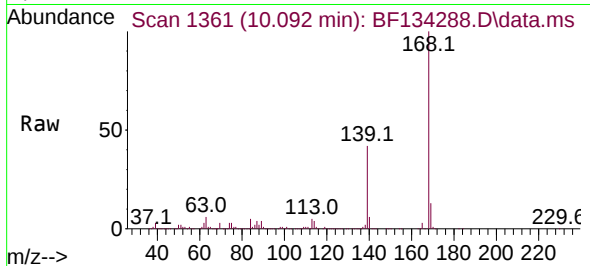
ClientSampleId :

PB154028BS

Tgt Ion:168 Resp: 57375  
Ion Ratio Lower Upper  
168 100  
139 41.9 32.0 48.0  
169 13.1 10.6 16.0

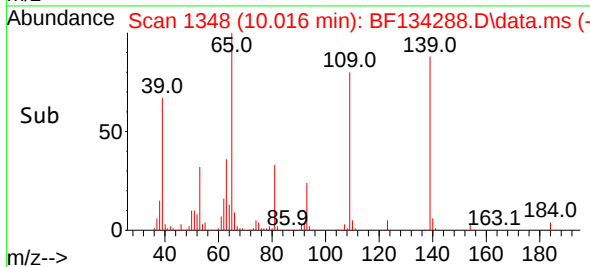
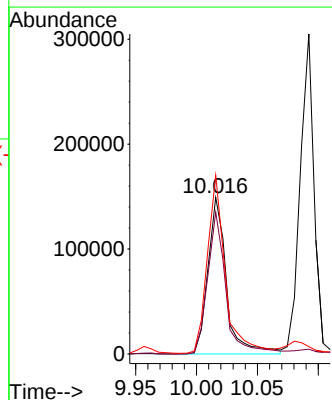
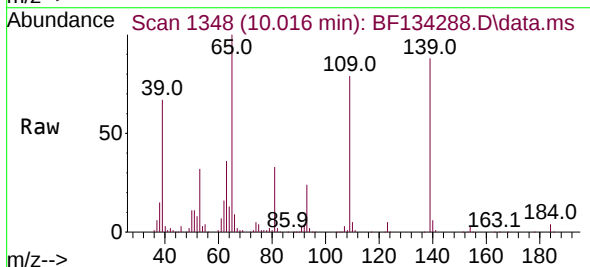
Manual Integrations  
APPROVED

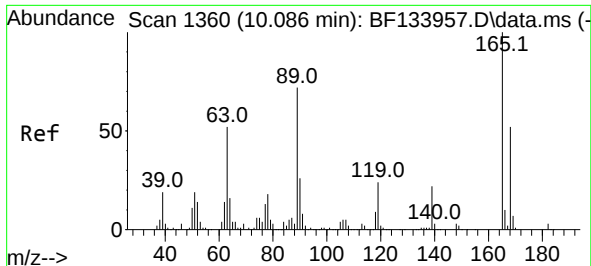
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#56  
4-Nitrophenol  
Concen: 41.733 ng  
RT: 10.016 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:139 Resp: 158717  
Ion Ratio Lower Upper  
139 100  
109 90.6 56.8 96.8  
65 114.1 86.1 126.1





#57  
2,4-Dinitrotoluene  
Concen: 22.959 ng  
RT: 10.080 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

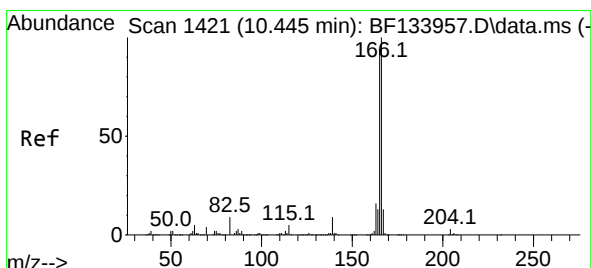
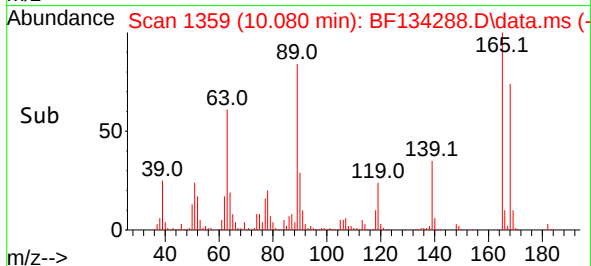
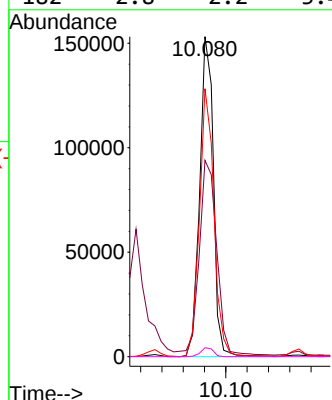
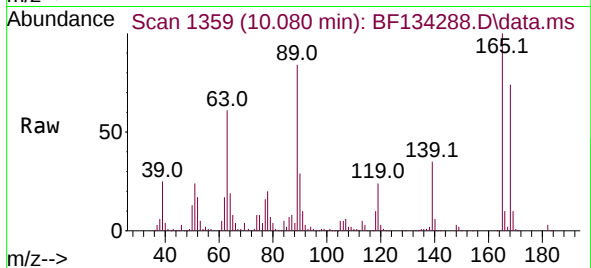
PB154028BS

Tgt Ion:165 Resp: 13741  
Ion Ratio Lower Upper  
165 100  
63 61.4 42.2 63.2  
89 83.7 57.4 86.2  
182 2.8 2.2 3.4

Manual Integrations

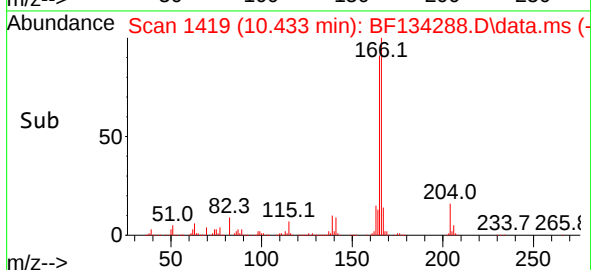
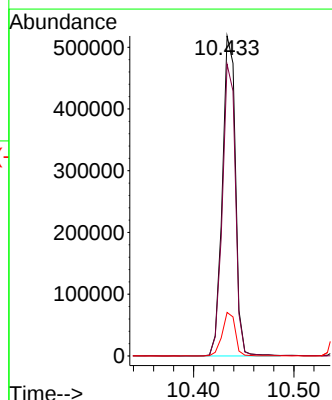
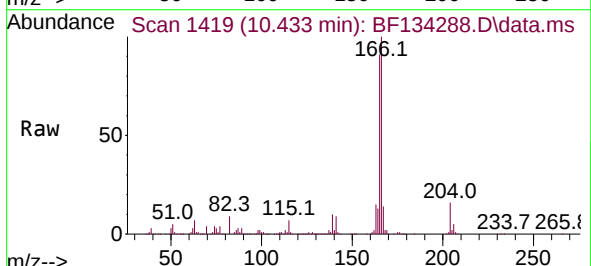
APPROVED

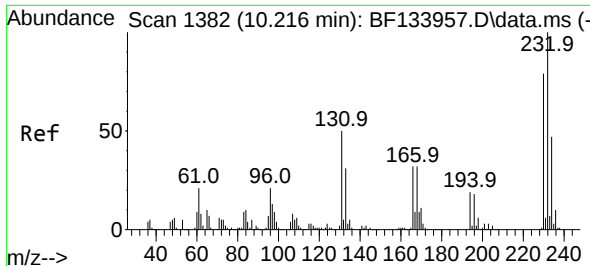
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#58  
Fluorene  
Concen: 22.891 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:166 Resp: 469380  
Ion Ratio Lower Upper  
166 100  
165 91.2 75.0 112.4  
167 13.6 10.6 15.8





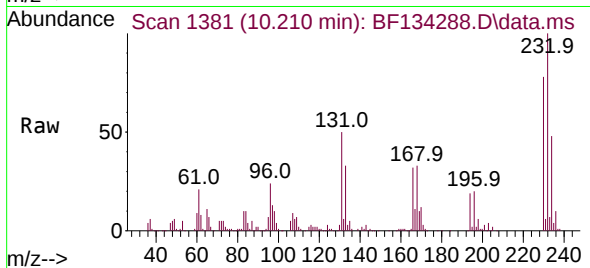
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 22.573 ng  
RT: 10.210 min Scan# 1381  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

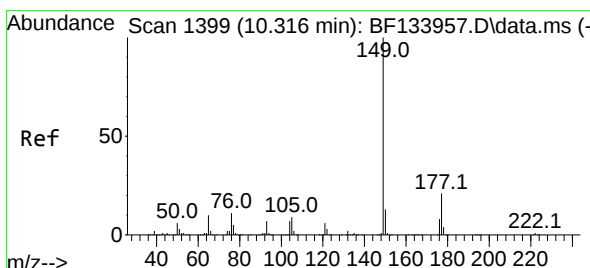
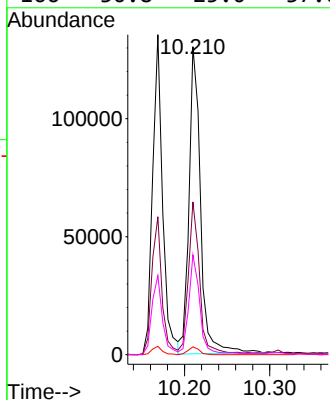
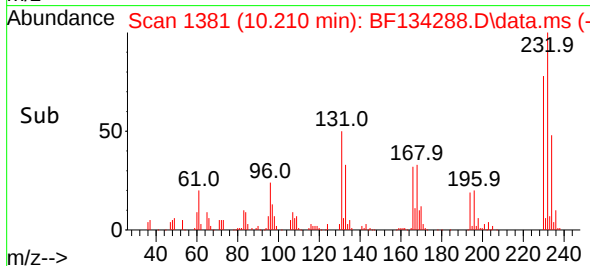


Tgt Ion:232 Resp: 122445  
Ion Ratio Lower Upper  
232 100  
131 47.3 39.3 58.9  
130 2.5 1.8 2.6  
166 30.8 25.0 37.6

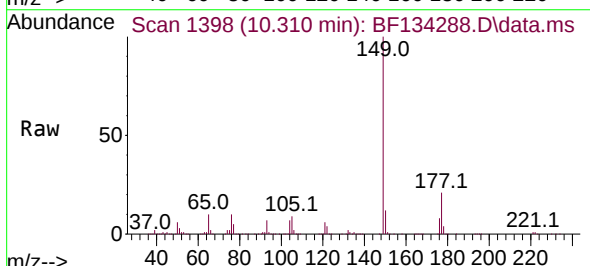
Manual Integrations

APPROVED

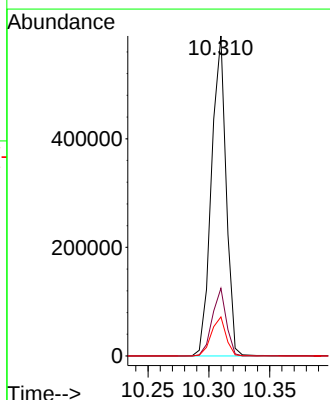
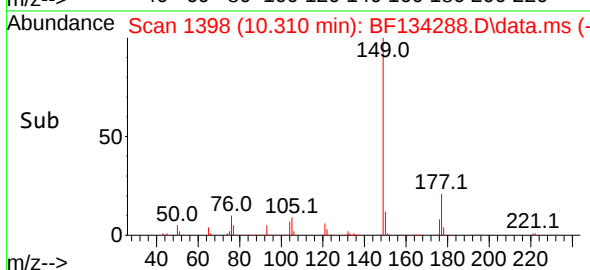
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

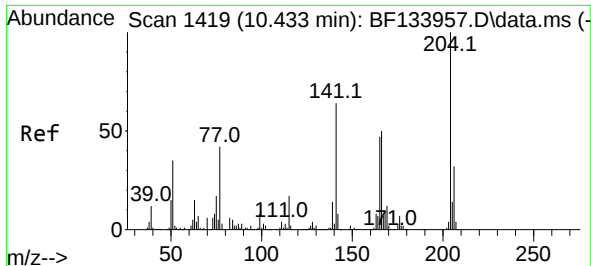


#60  
Diethylphthalate  
Concen: 22.586 ng  
RT: 10.310 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



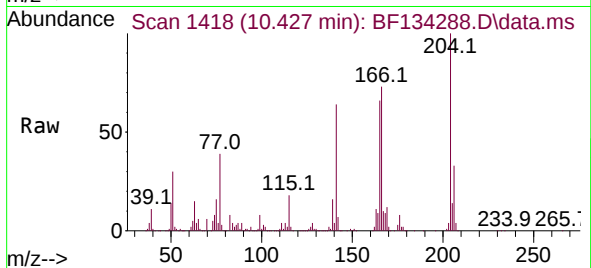
Tgt Ion:149 Resp: 495160  
Ion Ratio Lower Upper  
149 100  
177 21.1 17.0 25.6  
150 12.2 10.2 15.2





#61  
4-Chlorophenyl-phenylether  
Concen: 22.753 ng  
RT: 10.427 min Scan# 1418  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

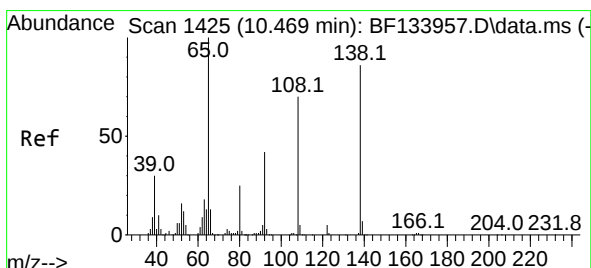
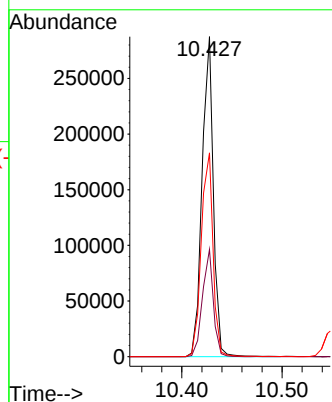
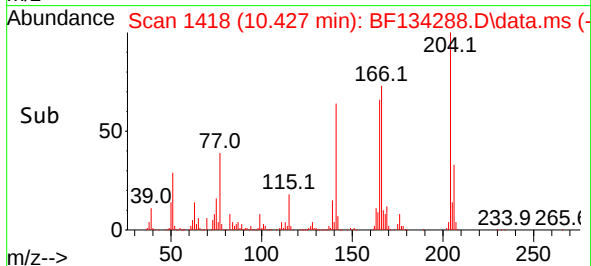
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:204 Resp: 22483  
Ion Ratio Lower Upper  
204 100  
206 33.5 25.8 38.6  
141 63.7 51.5 77.3

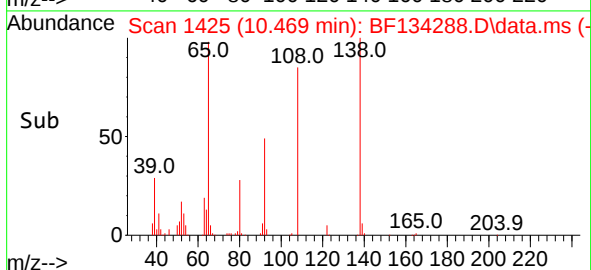
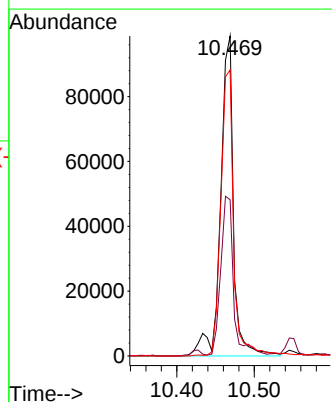
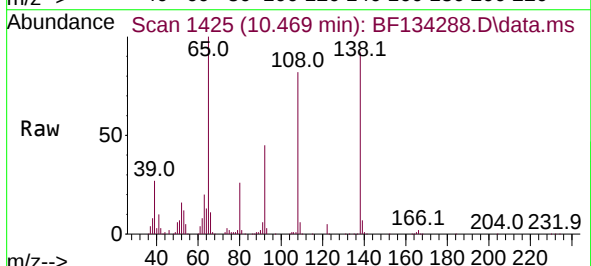
Manual Integrations  
APPROVED

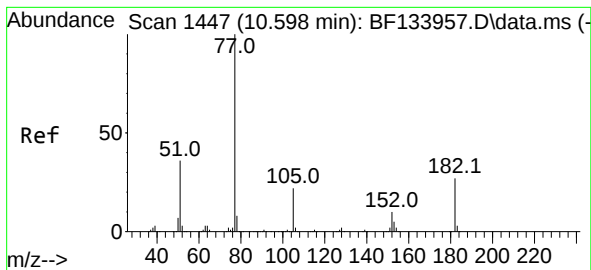
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#62  
4-Nitroaniline  
Concen: 20.840 ng  
RT: 10.469 min Scan# 1425  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:138 Resp: 114194  
Ion Ratio Lower Upper  
138 100  
92 48.8 29.7 69.7  
108 89.4 62.1 102.1





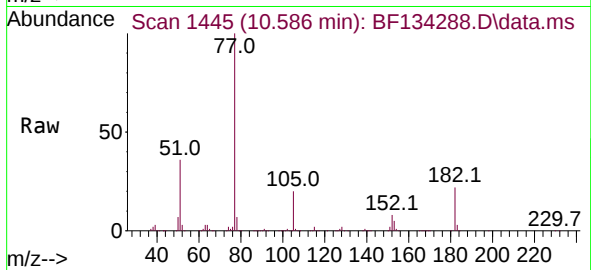
#63  
Azobenzene  
Concen: 22.038 ng  
RT: 10.586 min Scan# 1445  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

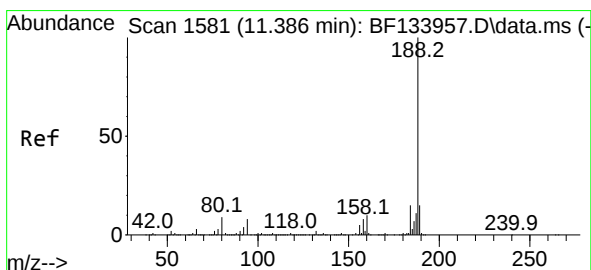
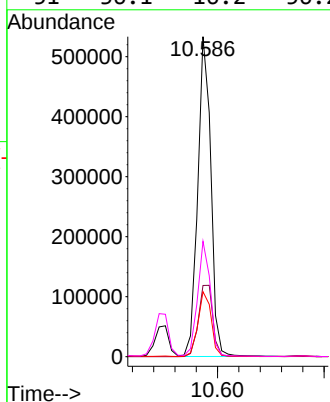
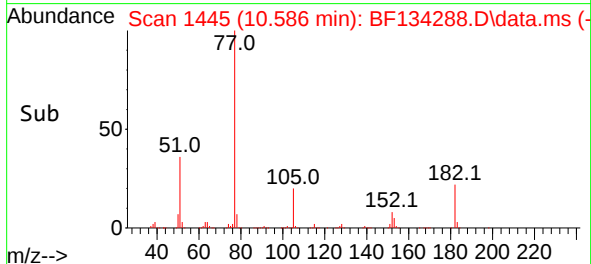


Tgt Ion: 77 Resp: 457010  
Ion Ratio Lower Upper  
77 100  
182 22.3 6.8 46.8  
105 20.3 2.3 42.3  
51 36.1 16.2 56.2

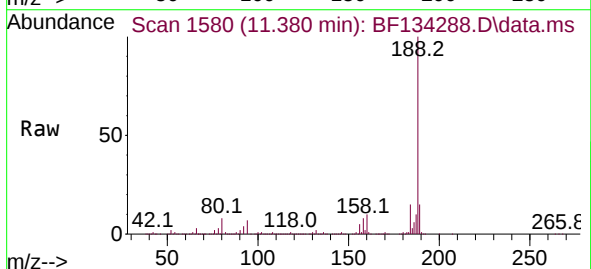
Manual Integrations

APPROVED

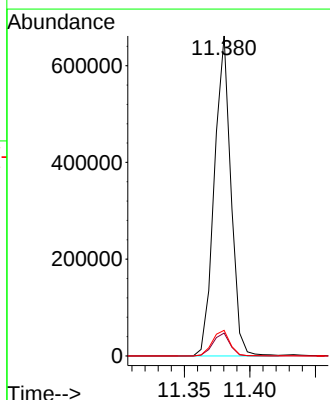
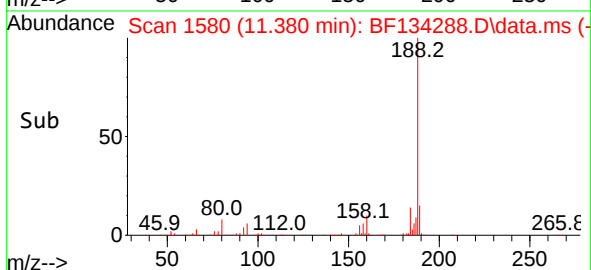
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

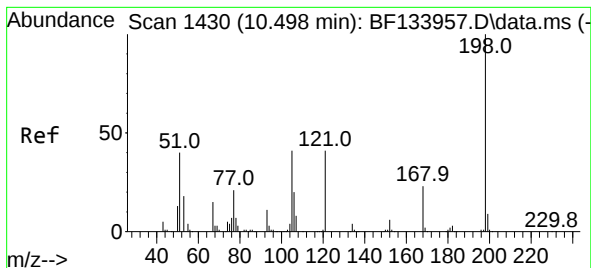


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.380 min Scan# 1580  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:188 Resp: 580139  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.4 9.6  
80 8.0 7.3 10.9





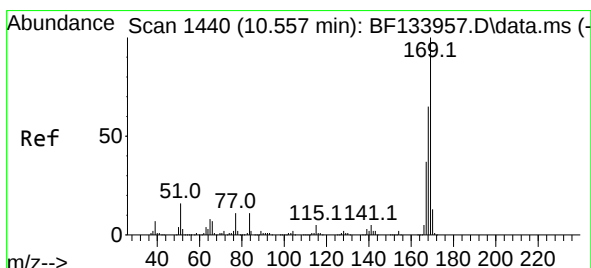
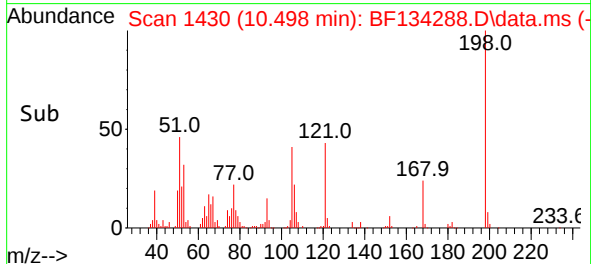
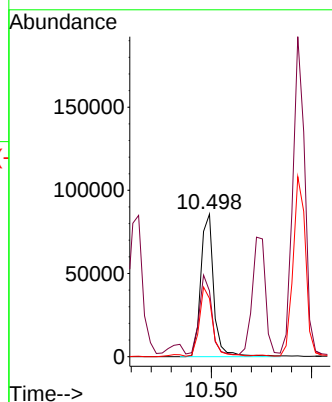
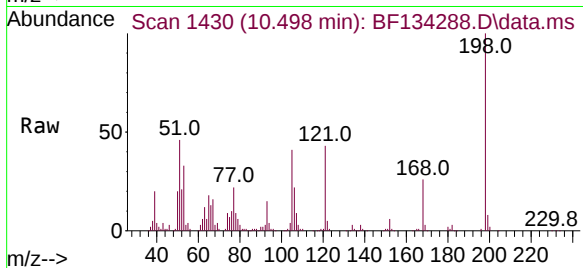
#65  
4,6-Dinitro-2-methylphenol  
Concen: 24.488 ng  
RT: 10.498 min Scan# 1430  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS

Tgt Ion:198 Resp: 77452  
Ion Ratio Lower Upper  
198 100  
51 46.2 29.3 69.3  
105 40.9 22.4 62.4

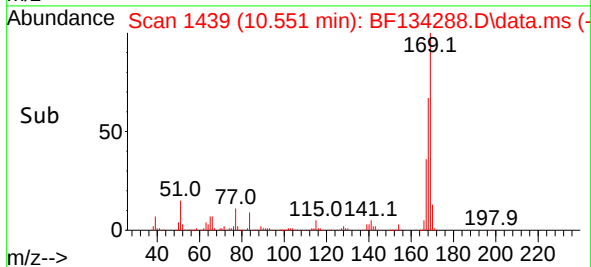
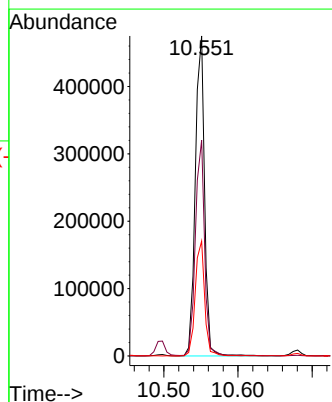
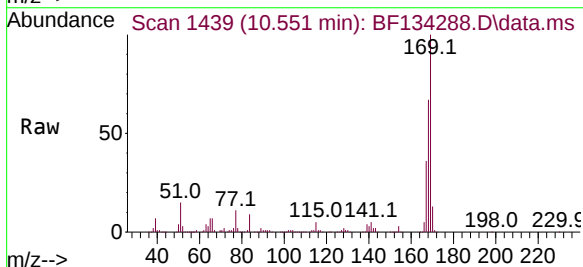
Manual Integrations  
APPROVED

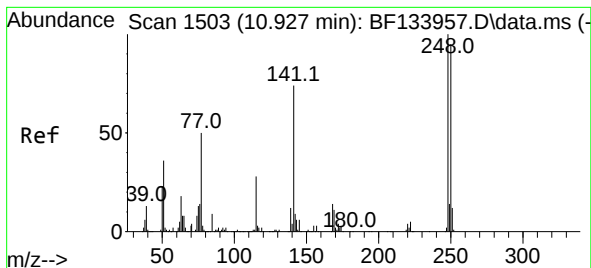
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#66  
n-Nitrosodiphenylamine  
Concen: 22.213 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:169 Resp: 411728  
Ion Ratio Lower Upper  
169 100  
168 67.5 52.3 78.5  
167 35.9 29.4 44.0





#67  
4-Bromophenyl-phenylether  
Concen: 22.716 ng  
RT: 10.916 min Scan# 1501  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

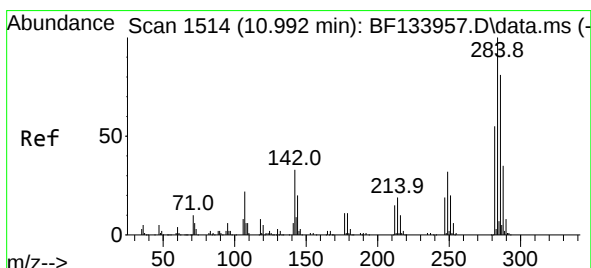
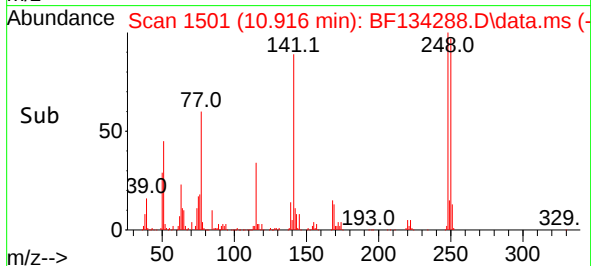
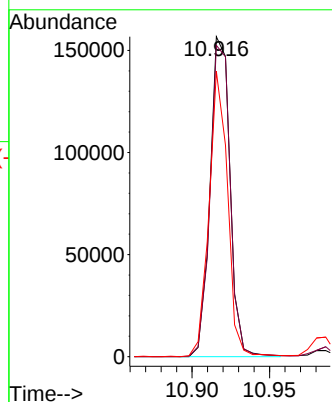
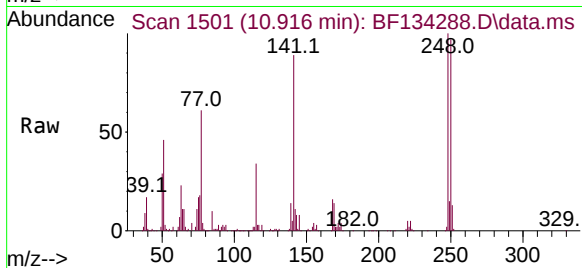
PB154028BS

Tgt Ion:248 Resp: 140070  
Ion Ratio Lower Upper  
248 100  
250 97.3 76.2 114.4  
141 89.1 59.0 88.4

Manual Integrations

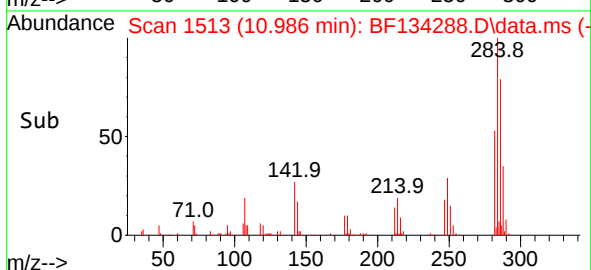
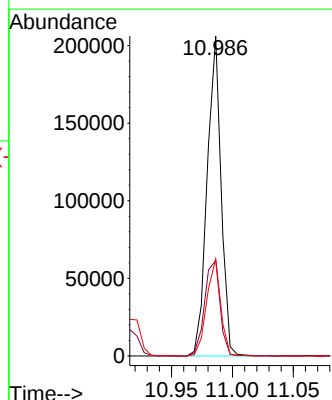
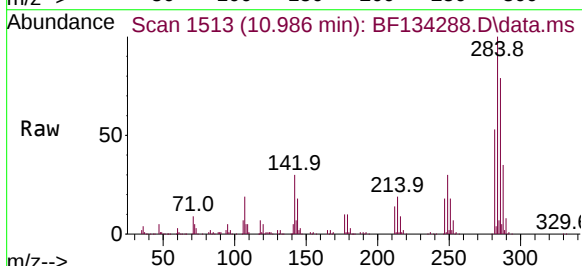
APPROVED

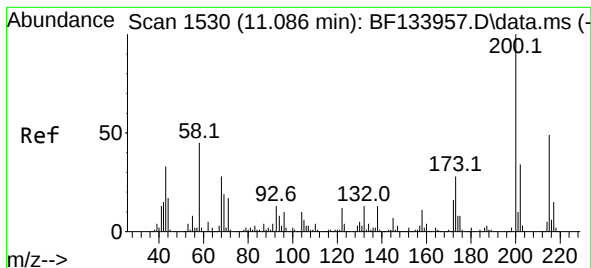
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#68  
Hexachlorobenzene  
Concen: 25.003 ng  
RT: 10.986 min Scan# 1513  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:284 Resp: 163697  
Ion Ratio Lower Upper  
284 100  
142 29.8 26.6 40.0  
249 30.4 25.5 38.3





#69

Atrazine

Concen: 26.583 ng

RT: 11.080 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion:200 Resp: 136294

Ion Ratio Lower Upper

200 100

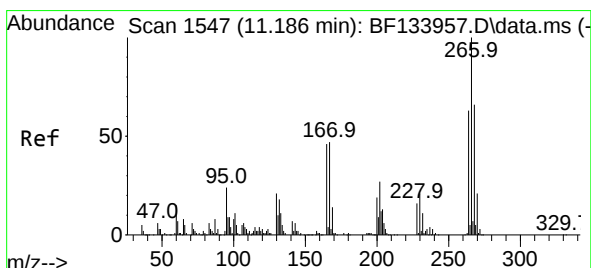
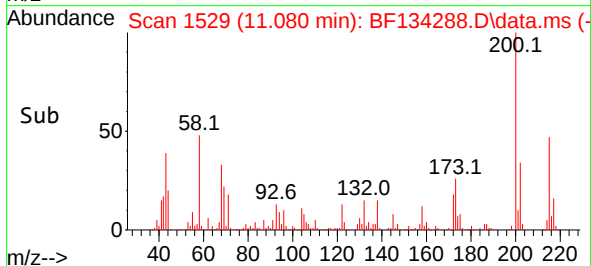
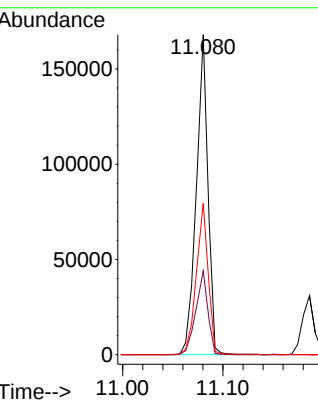
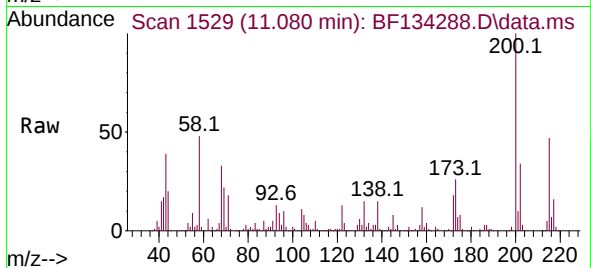
173 26.2 8.0 48.0

215 47.3 29.3 69.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#70

Pentachlorophenol

Concen: 39.962 ng

RT: 11.186 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

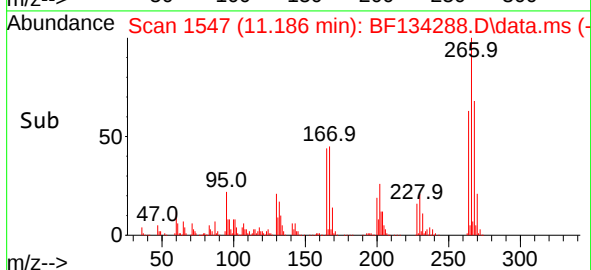
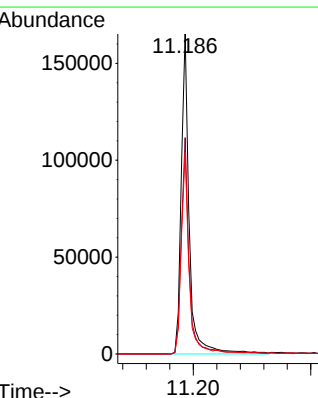
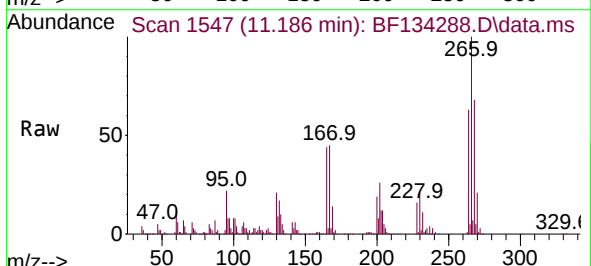
Tgt Ion:266 Resp: 156433

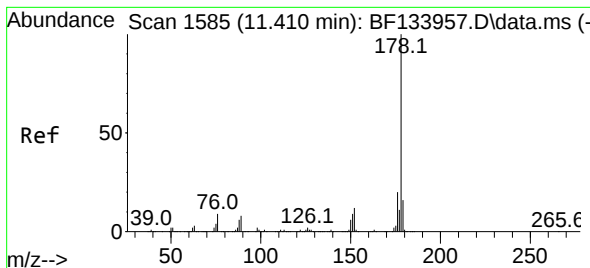
Ion Ratio Lower Upper

266 100

268 67.6 52.6 79.0

264 63.0 50.6 76.0





#71

Phenanthrene

Concen: 22.674 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion:178 Resp: 662210

Ion Ratio Lower Upper

178 100

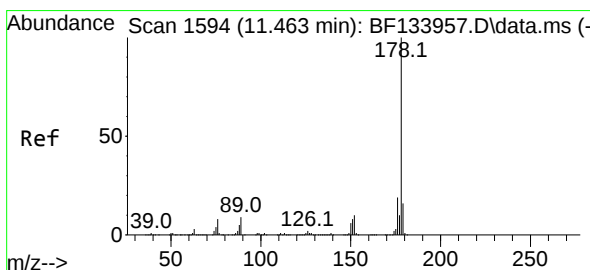
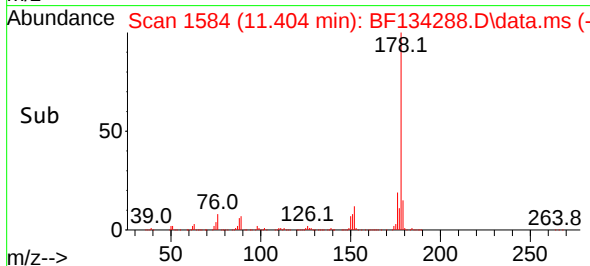
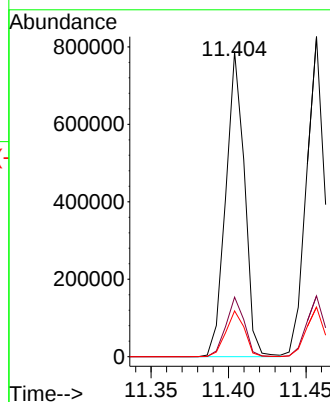
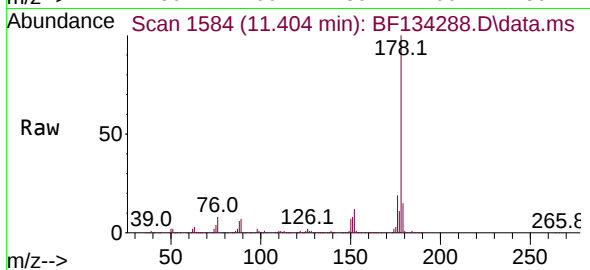
176 19.5 16.0 24.0

179 15.0 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#72

Anthracene

Concen: 22.661 ng

RT: 11.457 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

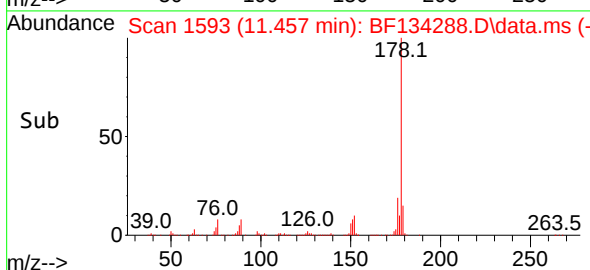
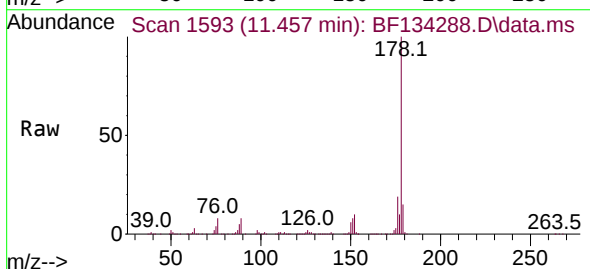
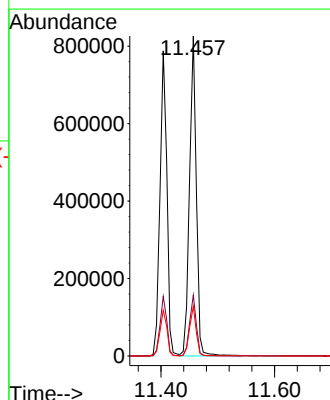
Tgt Ion:178 Resp: 688362

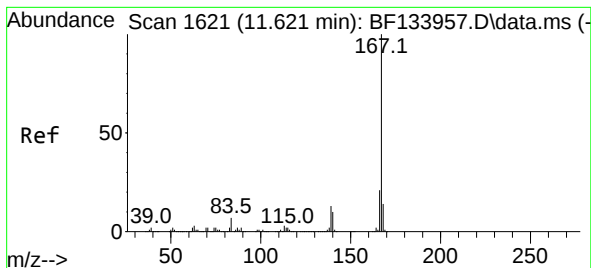
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.5 12.4 18.6





#73

Carbazole

Concen: 23.290 ng

RT: 11.616 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion:167 Resp: 64756

Ion Ratio Lower Upper

167 100

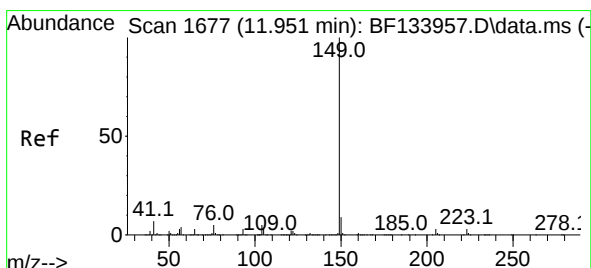
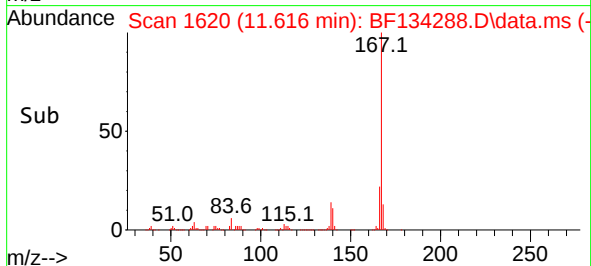
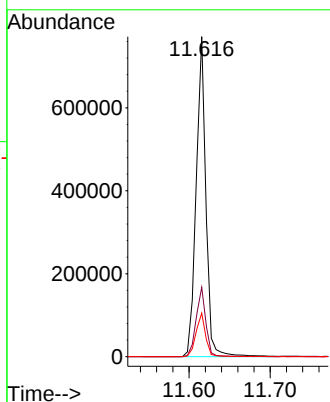
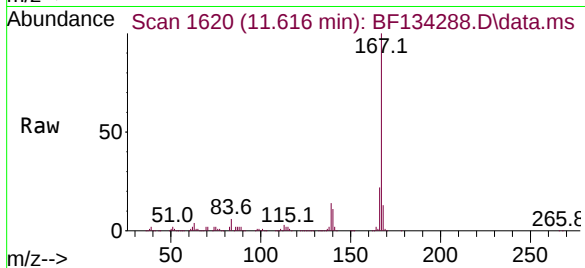
166 21.7 17.0 25.6

139 13.6 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#74

Di-n-butylphthalate

Concen: 23.882 ng

RT: 11.939 min Scan# 1675

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

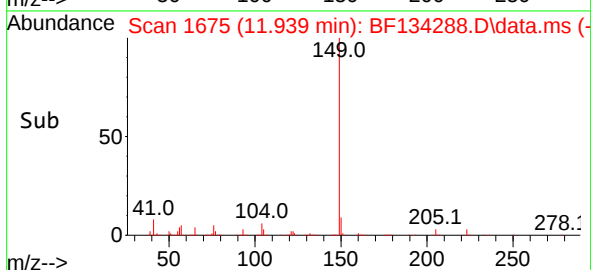
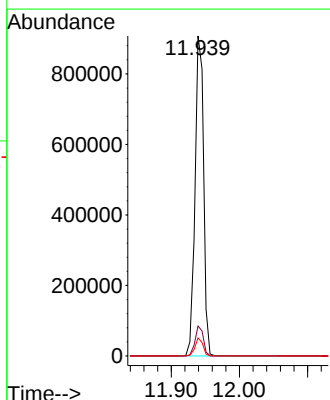
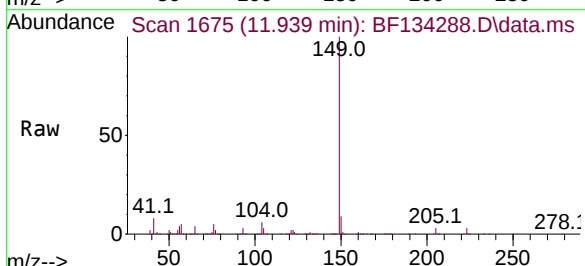
Tgt Ion:149 Resp: 789651

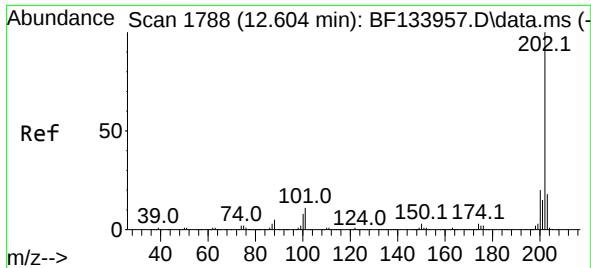
Ion Ratio Lower Upper

149 100

150 9.4 7.1 10.7

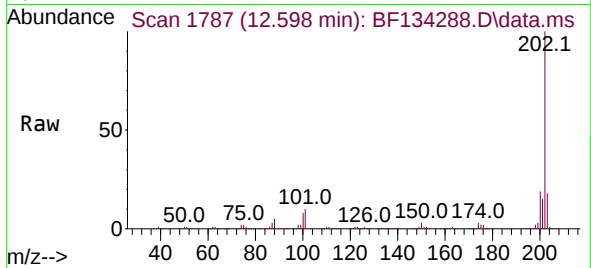
104 5.6 4.0 6.0





#75  
Fluoranthene  
Concen: 23.838 ng  
RT: 12.598 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

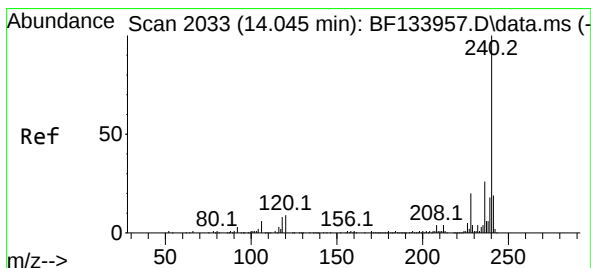
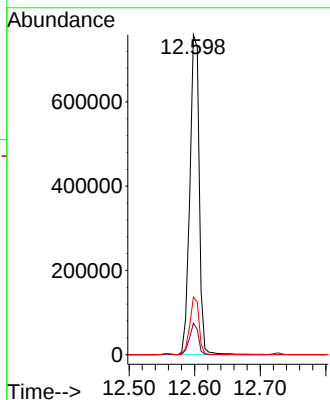
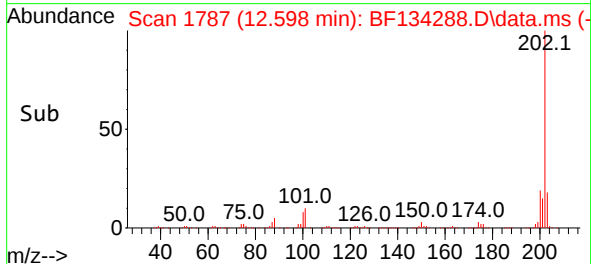
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:202 Resp: 752640  
Ion Ratio Lower Upper  
202 100  
101 9.8 0.0 31.0  
203 18.0 0.0 37.6

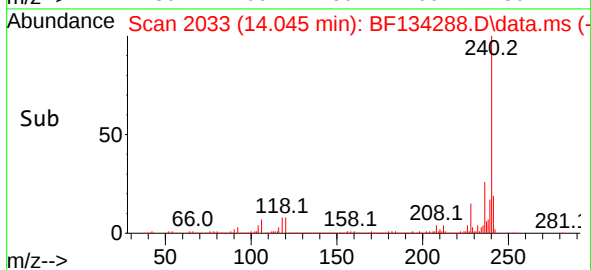
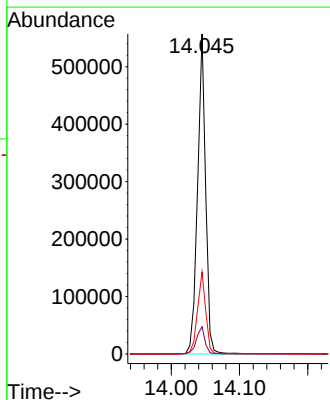
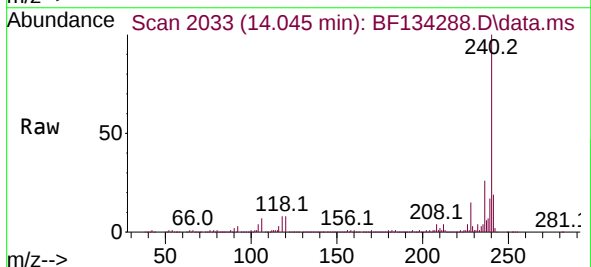
Manual Integrations  
APPROVED

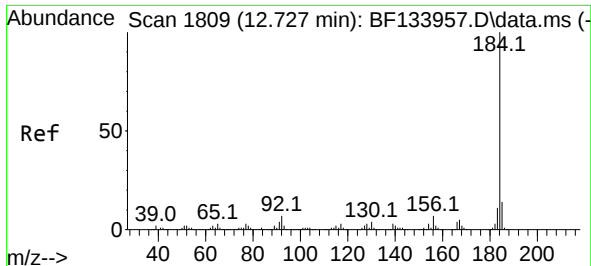
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2033  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

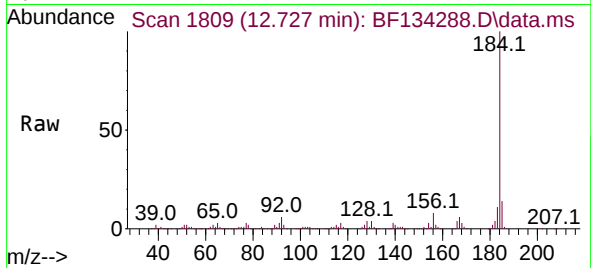
Tgt Ion:240 Resp: 458067  
Ion Ratio Lower Upper  
240 100  
120 8.5 7.4 11.0  
236 25.6 21.0 31.6





#77  
Benzidine  
Concen: 40.835 ng  
RT: 12.727 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

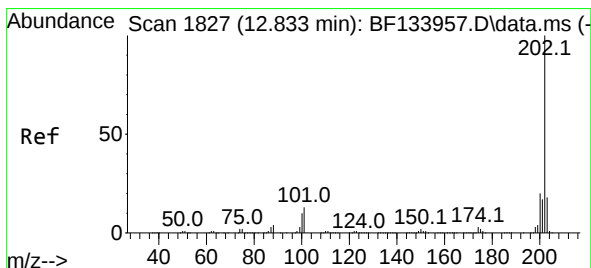
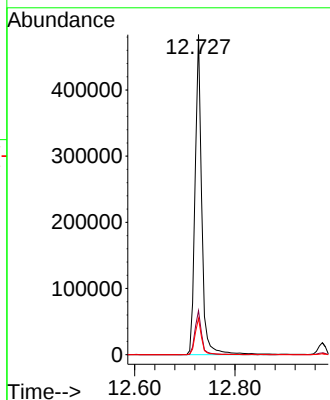
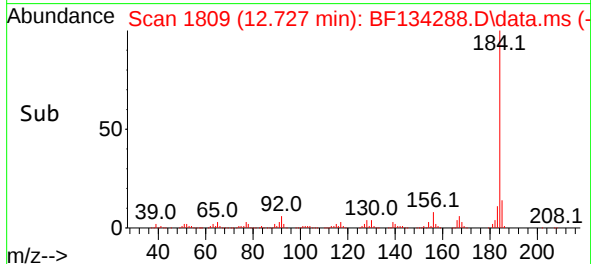
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



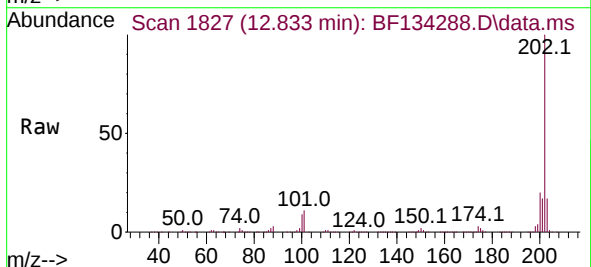
Tgt Ion:184 Resp: 445080  
Ion Ratio Lower Upper  
184 100  
185 13.8 11.6 17.4  
183 11.4 8.8 13.2

Manual Integrations  
APPROVED

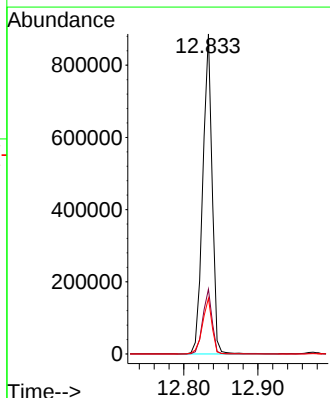
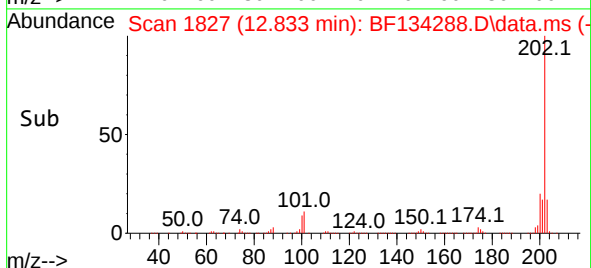
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

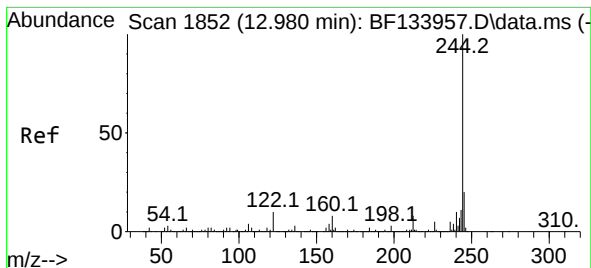


#78  
Pyrene  
Concen: 18.215 ng  
RT: 12.833 min Scan# 1827  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:202 Resp: 776494  
Ion Ratio Lower Upper  
202 100  
200 20.3 16.1 24.1  
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 42.547 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS

Tgt Ion:244 Resp: 1210960

Ion Ratio Lower Upper

244 100

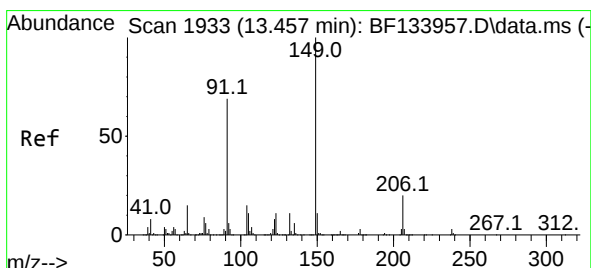
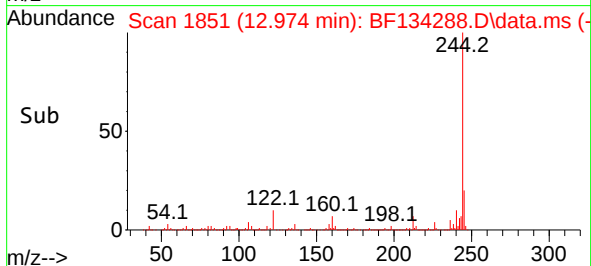
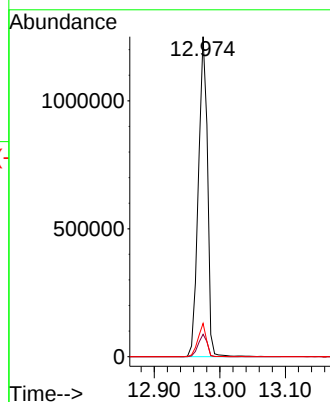
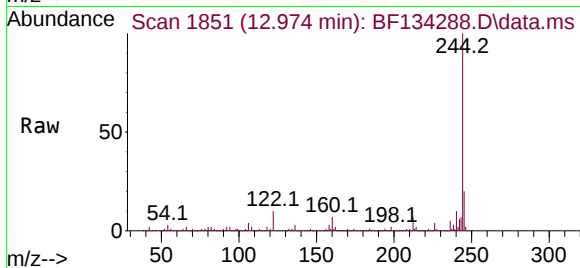
212 7.0 6.0 9.0

122 10.4 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#80

Butylbenzylphthalate

Concen: 21.434 ng

RT: 13.451 min Scan# 1932

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37

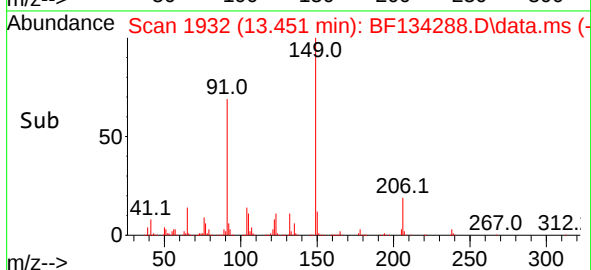
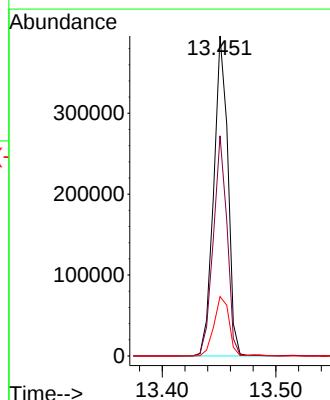
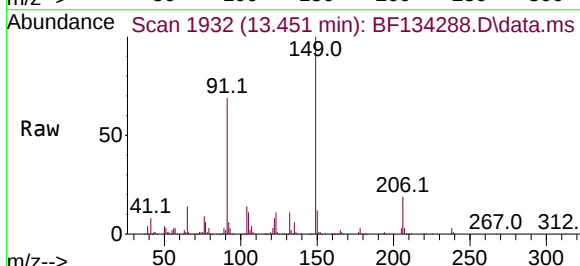
Tgt Ion:149 Resp: 342693

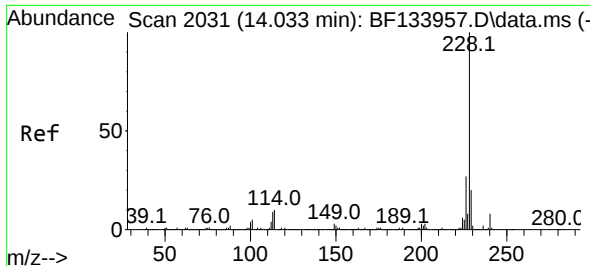
Ion Ratio Lower Upper

149 100

91 68.8 55.1 82.7

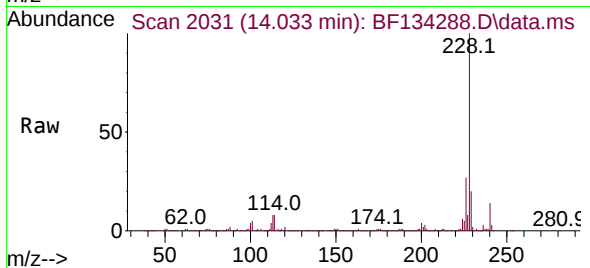
206 18.6 15.7 23.5





#81  
Benzo(a)anthracene  
Concen: 22.162 ng  
RT: 14.033 min Scan# 2031  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

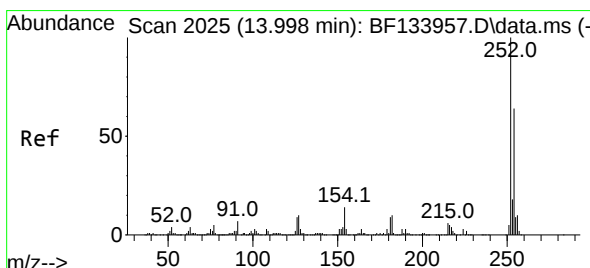
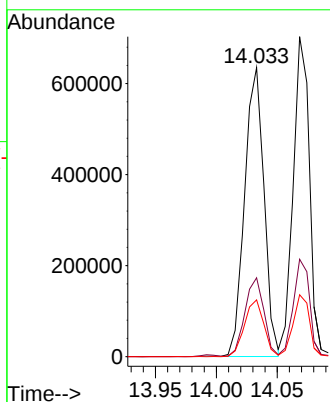
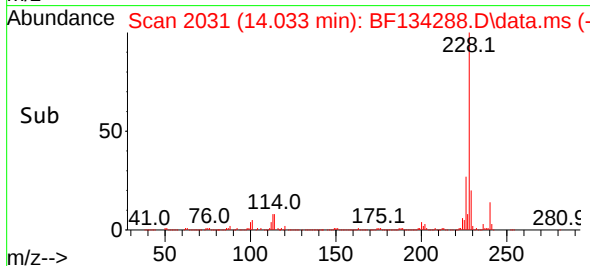
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



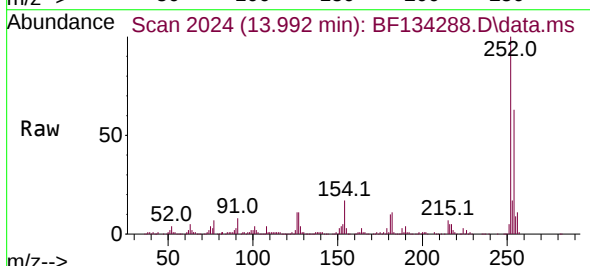
Tgt Ion:228 Resp: 704034  
Ion Ratio Lower Upper  
228 100  
226 27.3 22.0 33.0  
229 19.6 16.3 24.5

Manual Integrations  
APPROVED

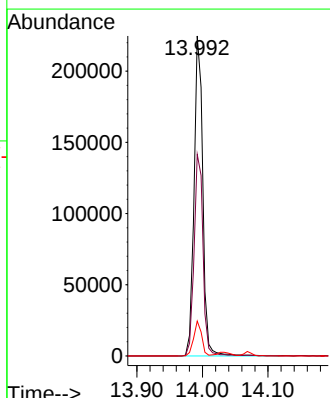
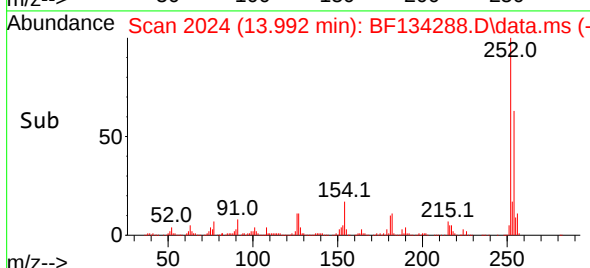
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 20.706 ng  
RT: 13.992 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:252 Resp: 208404  
Ion Ratio Lower Upper  
252 100  
254 63.0 51.4 77.0  
126 10.9 7.4 11.2





#83

Chrysene

Concen: 21.281 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF134288.D

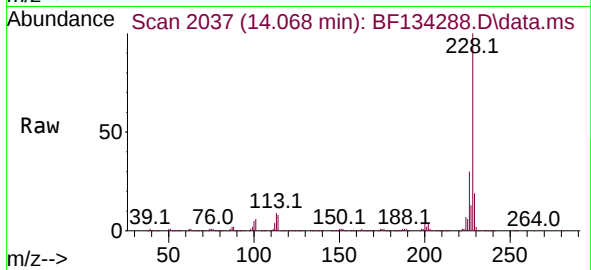
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

PB154028BS



Tgt Ion:228 Resp: 65480

Ion Ratio Lower Upper

228 100

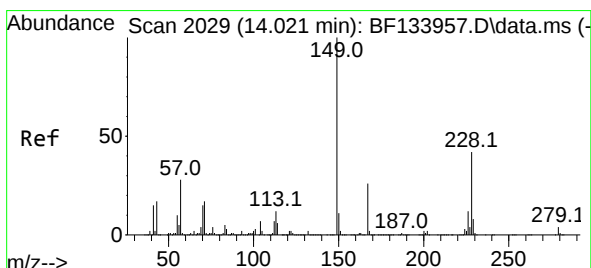
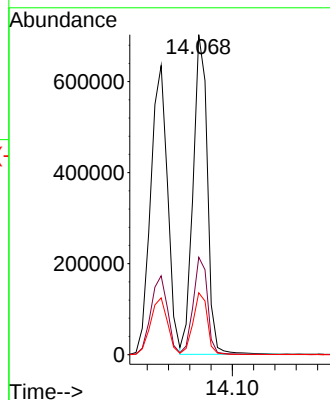
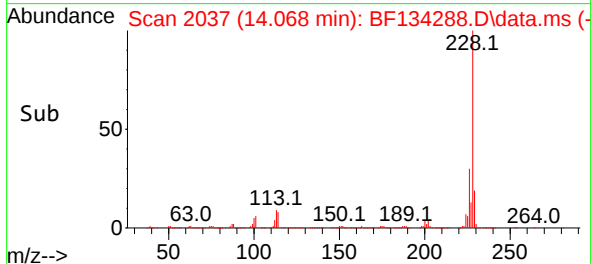
226 30.4 24.4 36.6

229 19.3 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#84

Bis(2-ethylhexyl)phthalate

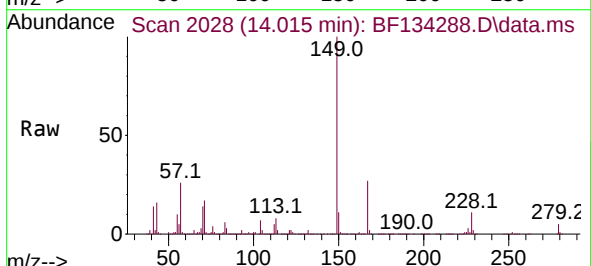
Concen: 25.335 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF134288.D

Acq: 14 Jul 2023 13:37



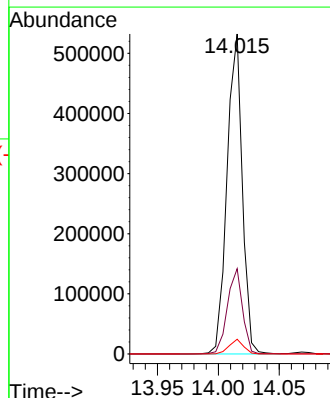
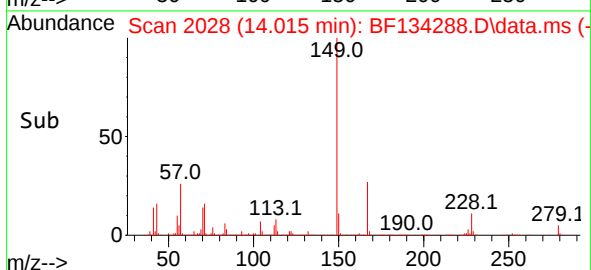
Tgt Ion:149 Resp: 465427

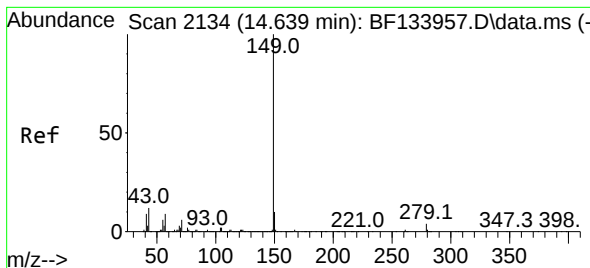
Ion Ratio Lower Upper

149 100

167 26.6 21.0 31.4

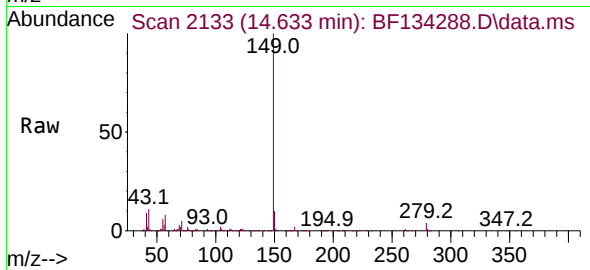
279 4.6 3.3 4.9





#85  
Di-n-octyl phthalate  
Concen: 28.925 ng  
RT: 14.633 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

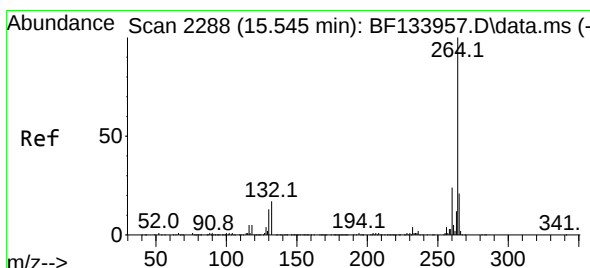
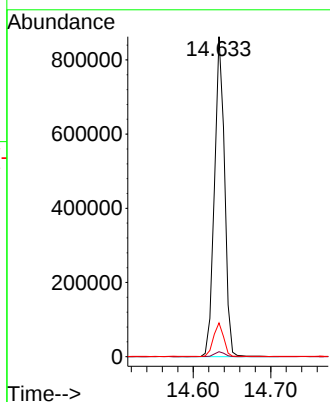
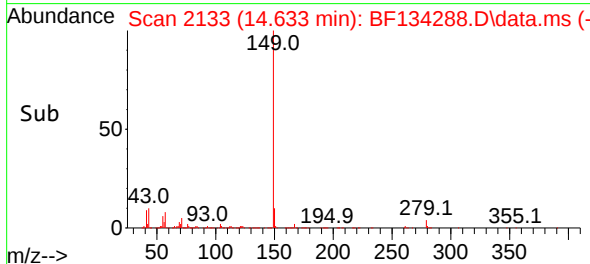
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



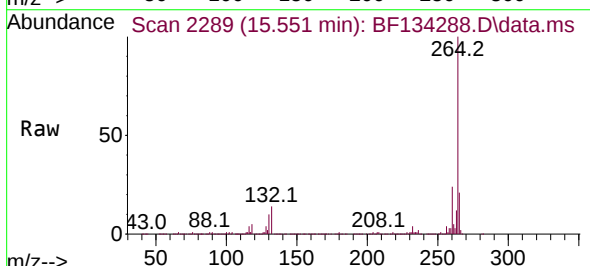
Tgt Ion:149 Resp: 78079  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.5 9.0 13.4

Manual Integrations  
APPROVED

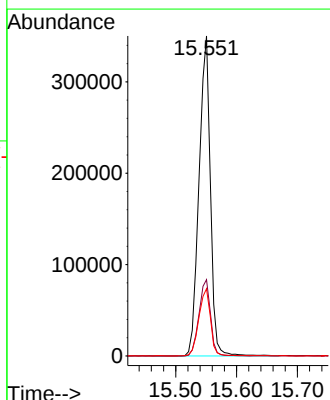
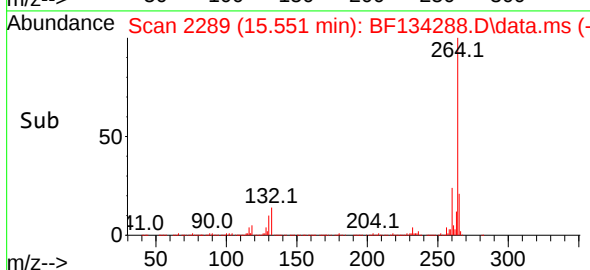
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023

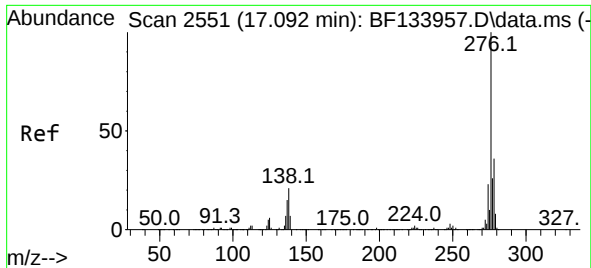


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.551 min Scan# 2289  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37



Tgt Ion:264 Resp: 454559  
Ion Ratio Lower Upper  
264 100  
260 23.9 19.5 29.3  
265 21.0 16.6 25.0





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 20.889 ng  
RT: 17.104 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :

BNA\_F

ClientSampleId :

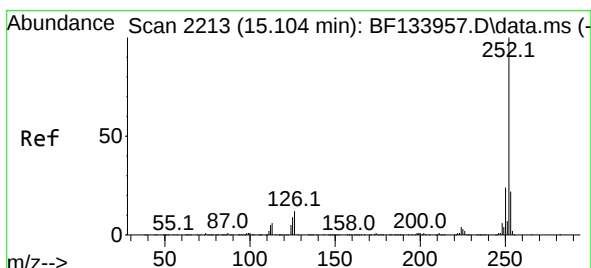
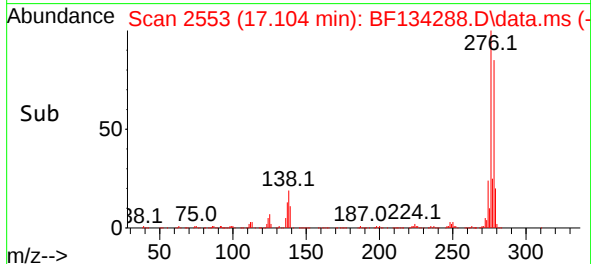
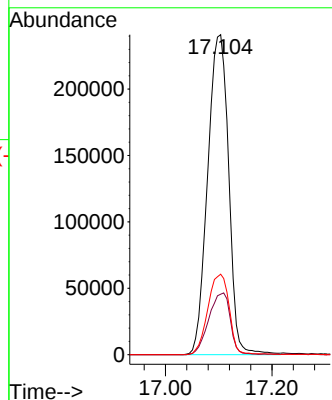
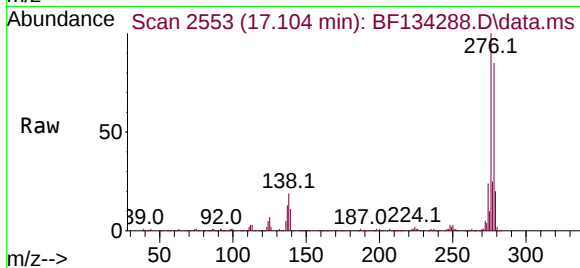
PB154028BS

Tgt Ion:276 Resp: 65886  
Ion Ratio Lower Upper  
276 100  
138 19.8 18.7 28.1  
277 25.7 19.9 29.9

Manual Integrations

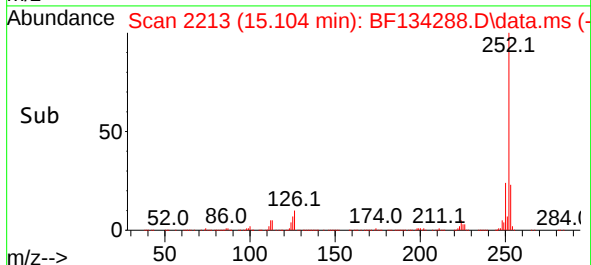
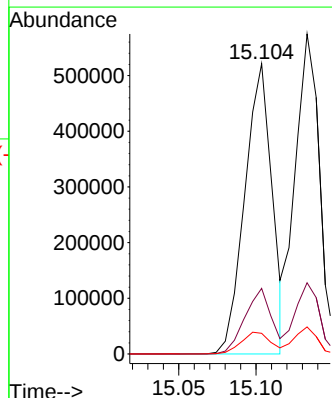
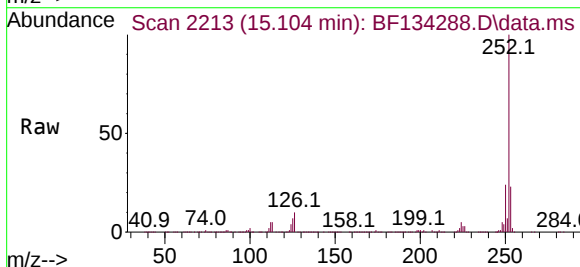
APPROVED

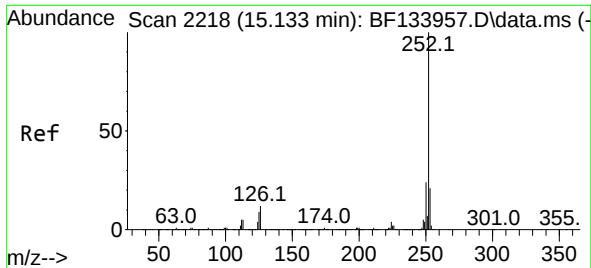
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#88  
Benzo(b)fluoranthene  
Concen: 23.954 ng m  
RT: 15.104 min Scan# 2213  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

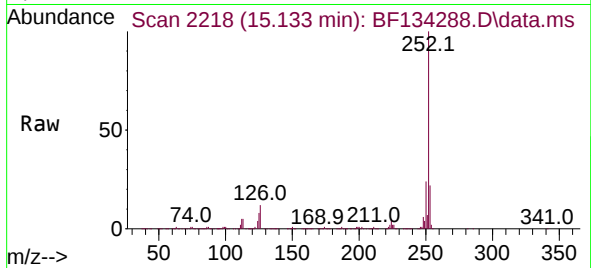
Tgt Ion:252 Resp: 640261  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.4 26.0  
125 7.1 7.1 10.7#





#89  
Benzo(k)fluoranthene  
Concen: 23.459 ng  
RT: 15.133 min Scan# 2218  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

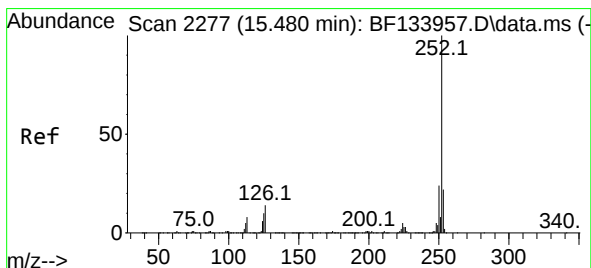
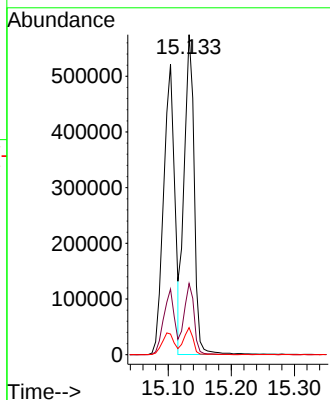
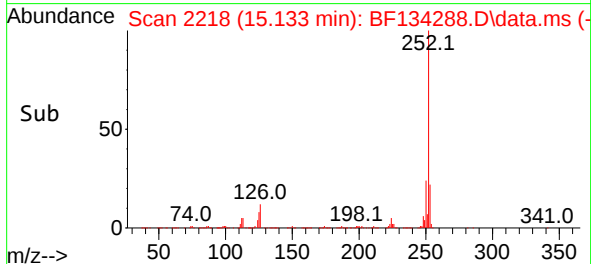
Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS



Tgt Ion:252 Resp: 638410  
Ion Ratio Lower Upper  
252 100  
253 22.2 16.9 25.3  
125 8.5 7.4 11.2

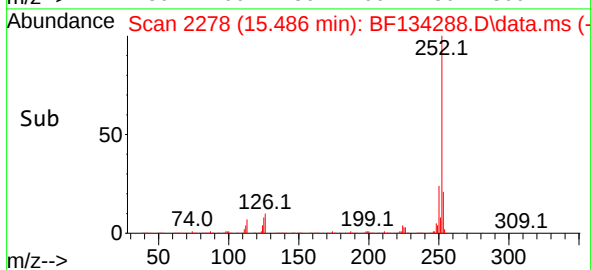
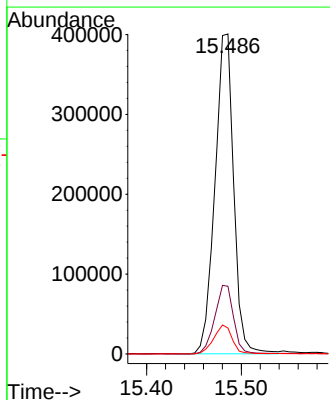
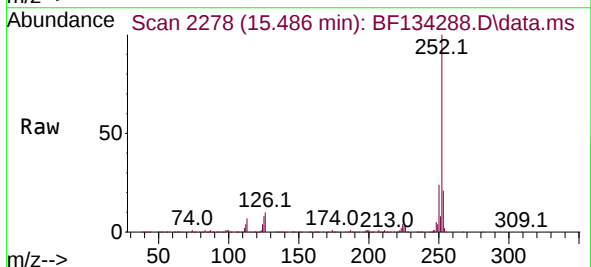
Manual Integrations  
APPROVED

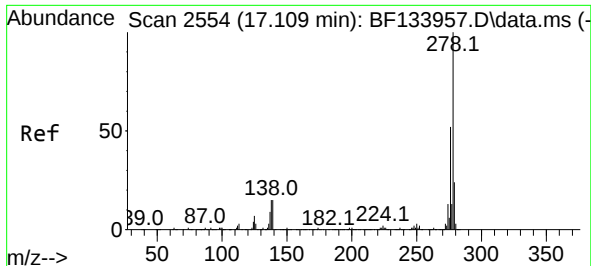
Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#90  
Benzo(a)pyrene  
Concen: 21.358 ng  
RT: 15.486 min Scan# 2278  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:252 Resp: 552027  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.4 26.0  
125 8.1 8.4 12.6#





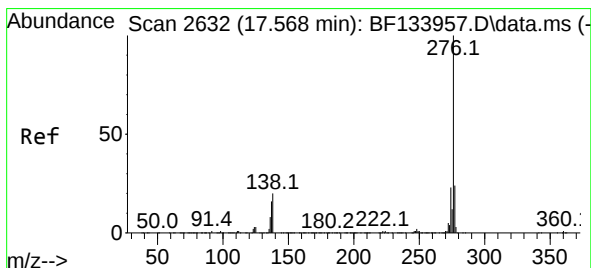
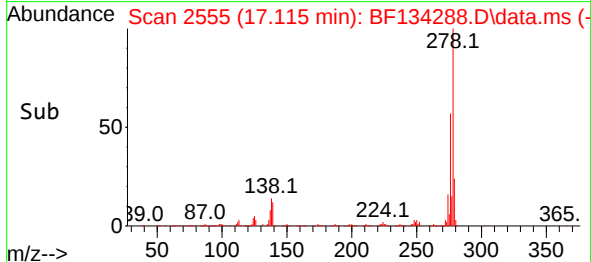
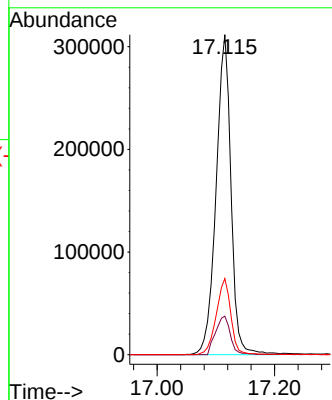
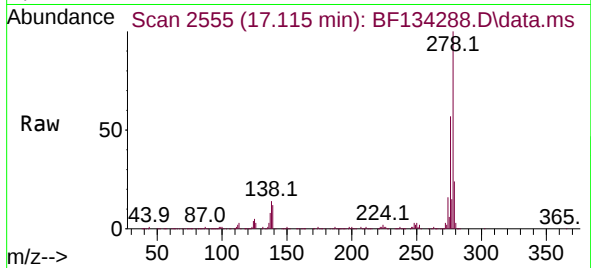
#91  
Dibenzo(a,h)anthracene  
Concen: 21.286 ng  
RT: 17.115 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Instrument :  
BNA\_F  
ClientSampleId :  
PB154028BS

Tgt Ion:278 Resp: 548380  
Ion Ratio Lower Upper  
278 100  
139 12.0 12.2 18.4  
279 23.8 19.4 29.2

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023  
Supervised By :mohammad ahmed 07/19/2023



#92  
Benzo(g,h,i)perylene  
Concen: 19.993 ng  
RT: 17.568 min Scan# 2632  
Delta R.T. 0.000 min  
Lab File: BF134288.D  
Acq: 14 Jul 2023 13:37

Tgt Ion:276 Resp: 531173  
Ion Ratio Lower Upper  
276 100  
277 23.5 19.0 28.6  
138 17.7 16.2 24.2

