

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091423\  
 Data File : BF135252.D  
 Acq On : 14 Sep 2023 14:05  
 Operator : CG\JU  
 Sample : PB154909BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154909BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 09/15/2023  
 Supervised By :mohammad ahmed 09/15/2023

Quant Time: Sep 15 01:08:18 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF091123.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.763  | 152  | 115723   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.045  | 136  | 450978   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.804  | 164  | 253937   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.298 | 188  | 495256   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.951 | 240  | 254422   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.415 | 264  | 235204   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.410  | 112  | 974781   | 137.002 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.416  | 99   | 1262582  | 139.554 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.333  | 82   | 747873   | 90.096  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.604 | 330  | 335039   | 132.767 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.127  | 172  | 1420581  | 84.401  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 1527365  | 93.062  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.587  | 88   | 126861   | 40.672  | ng    | 99       |
| 3) Pyridine                   | 3.340  | 79   | 305495   | 36.391  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.304  | 42   | 199194   | 44.715  | ng    | 99       |
| 6) Aniline                    | 6.434  | 93   | 400946   | 33.795  | ng    | # 68     |
| 8) 2-Chlorophenol             | 6.551  | 128  | 388906   | 51.203  | ng    | 99       |
| 9) Benzaldehyde               | 6.316  | 77   | 141661   | 27.486  | ng    | 95       |
| 10) Phenol                    | 6.428  | 94   | 447245   | 45.082  | ng    | 80       |
| 11) bis(2-Chloroethyl)ether   | 6.510  | 93   | 360374   | 48.427  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.704  | 146  | 372141   | 48.210  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.781  | 146  | 365767   | 46.574  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.934  | 146  | 360673   | 49.454  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.916  | 79   | 323620   | 49.848  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.045  | 45   | 665759   | 47.464  | ng    | 97       |
| 17) 2-Methylphenol            | 7.028  | 107  | 313142   | 46.719  | ng    | 97       |
| 18) Hexachloroethane          | 7.269  | 117  | 133629   | 46.051  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 7.186  | 70   | 244006   | 43.543  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.181  | 107  | 342309   | 42.472  | ng    | 95       |
| 22) Acetophenone              | 7.181  | 105  | 470406   | 45.624  | ng    | 99       |
| 24) Nitrobenzene              | 7.351  | 77   | 372311   | 45.379  | ng    | 98       |
| 25) Isophorone                | 7.592  | 82   | 690160   | 45.279  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.669  | 139  | 189822   | 48.206  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.710  | 122  | 321420   | 48.561  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.804  | 93   | 420483   | 46.090  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.910  | 162  | 293538   | 47.861  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 7.986  | 180  | 301727   | 47.068  | ng    | 99       |
| 31) Naphthalene               | 8.069  | 128  | 1003512  | 45.798  | ng    | 100      |
| 32) Benzoic acid              | 7.857  | 122  | 243199   | 48.796  | ng    | 91       |
| 33) 4-Chloroaniline           | 8.122  | 127  | 167646   | 17.438  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.181  | 225  | 184890   | 47.832  | ng    | 99       |
| 35) Caprolactam               | 8.504  | 113  | 112634m  | 54.720  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.616  | 107  | 356564   | 52.309  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.763  | 142  | 690219   | 46.861  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.857  | 142  | 652150   | 47.292  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.928  | 216  | 324700   | 44.136  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.910  | 237  | 273202   | 83.885  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.045  | 196  | 224078   | 46.520  | ng    | 98       |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 00:19:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.086  | 196  | 245408   | 44.241 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.227  | 154  | 876919   | 44.936 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.251  | 162  | 652576   | 46.089 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.357  | 65   | 254128   | 46.199 | ng    | 99       |
| 49) Acenaphthylene            | 9.669  | 152  | 1023599  | 43.499 | ng    | 99       |
| 50) Dimethylphthalate         | 9.539  | 163  | 788566   | 45.930 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.598  | 165  | 181679   | 48.305 | ng    | 98       |
| 52) Acenaphthene              | 9.839  | 154  | 632055   | 45.468 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.769  | 138  | 134778   | 30.528 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.886  | 184  | 194580   | 90.262 | ng    | 98       |
| 55) Dibenzofuran              | 10.016 | 168  | 913823   | 43.079 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.945  | 139  | 265239   | 94.529 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.010 | 165  | 209114   | 44.411 | ng    | 86       |
| 58) Fluorene                  | 10.357 | 166  | 712367   | 43.683 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.133 | 232  | 210986   | 49.446 | ng    | 98       |
| 60) Diethylphthalate          | 10.239 | 149  | 801506   | 46.517 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.351 | 204  | 337857   | 43.129 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.392 | 138  | 199337   | 46.971 | ng    | 98       |
| 63) Azobenzene                | 10.510 | 77   | 768705   | 45.585 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.422 | 198  | 133860   | 50.888 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.474 | 169  | 683372   | 45.577 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.839 | 248  | 222865   | 45.246 | ng    | # 92     |
| 68) Hexachlorobenzene         | 10.904 | 284  | 241615   | 48.148 | ng    | # 90     |
| 69) Atrazine                  | 11.010 | 200  | 229085   | 56.783 | ng    | 99       |
| 70) Pentachlorophenol         | 11.104 | 266  | 257574   | 85.791 | ng    | 97       |
| 71) Phenanthrene              | 11.321 | 178  | 1076780  | 45.970 | ng    | 99       |
| 72) Anthracene                | 11.374 | 178  | 1087996  | 45.189 | ng    | 99       |
| 73) Carbazole                 | 11.533 | 167  | 1044575  | 47.659 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.868 | 149  | 1255501  | 48.613 | ng    | 99       |
| 75) Fluoranthene              | 12.515 | 202  | 1159352  | 47.501 | ng    | 99       |
| 77) Benzidine                 | 12.639 | 184  | 334603   | 64.195 | ng    | 98       |
| 78) Pyrene                    | 12.745 | 202  | 1155046  | 47.684 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.374 | 149  | 477370   | 55.974 | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.945 | 228  | 748053   | 45.533 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.910 | 252  | 175847   | 34.268 | ng    | 98       |
| 83) Chrysene                  | 13.980 | 228  | 748632   | 45.833 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 558176   | 63.779 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.551 | 149  | 844204   | 60.698 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.903 | 276  | 766351   | 49.694 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 14.992 | 252  | 640247   | 50.285 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.021 | 252  | 633637   | 50.379 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.357 | 252  | 578749   | 47.665 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.921 | 278  | 620721   | 49.193 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.350 | 276  | 628904   | 47.724 | ng    | 99       |

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

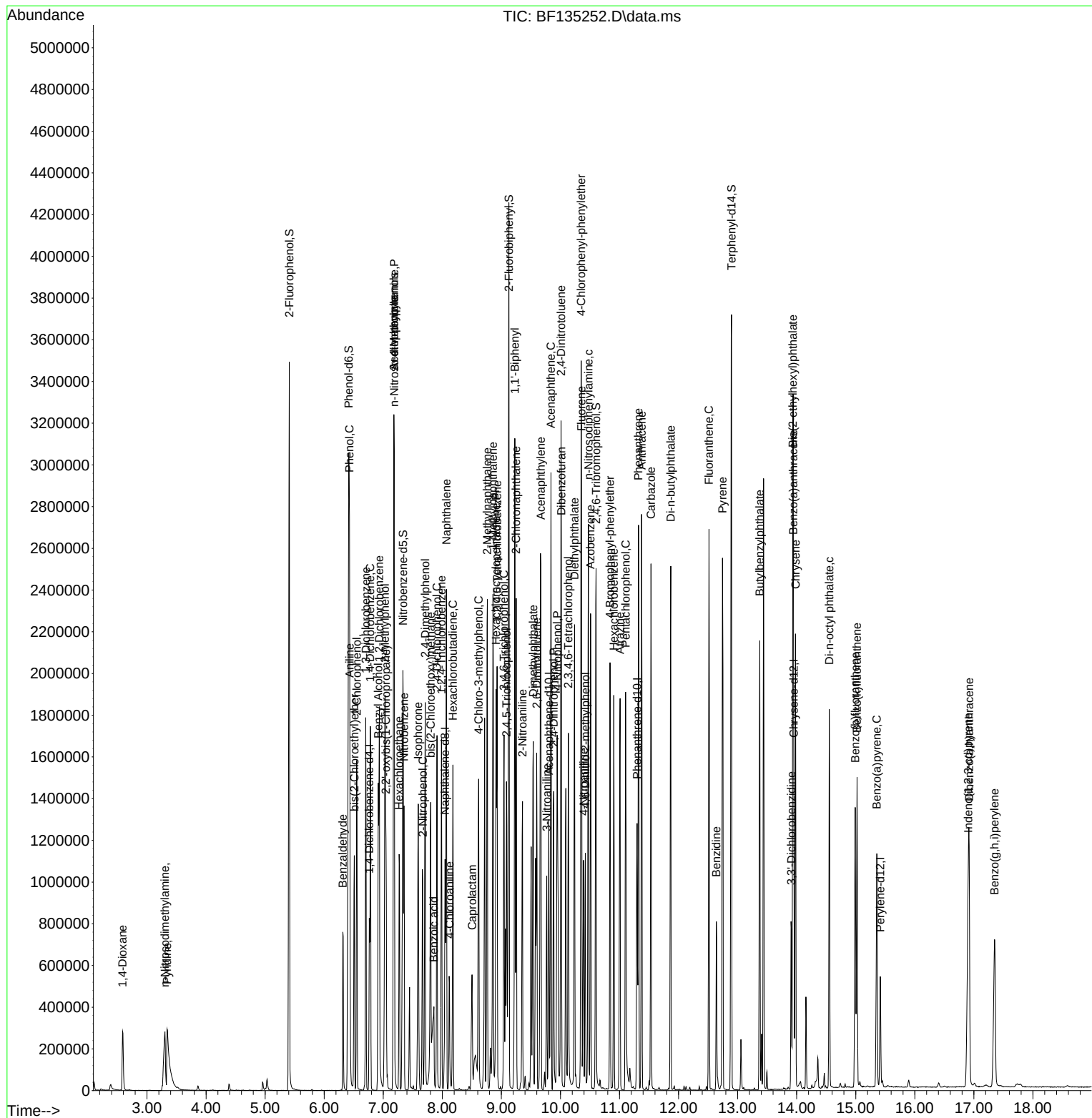
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF091423\  
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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

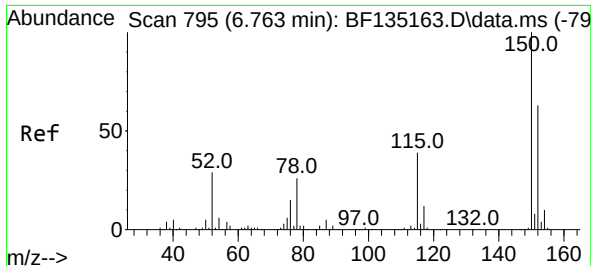
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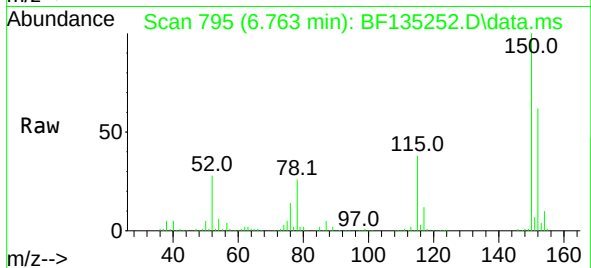
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#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.763 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

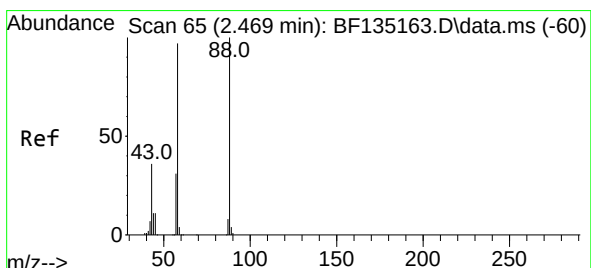
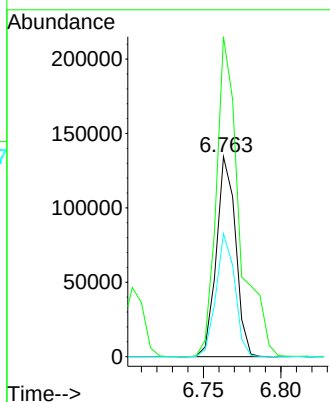
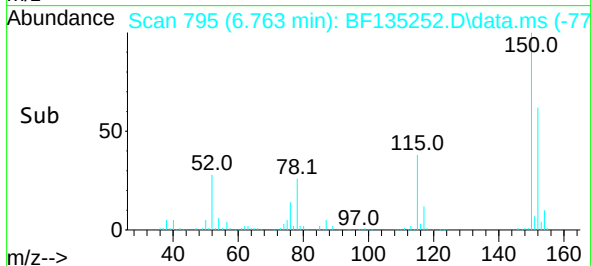
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



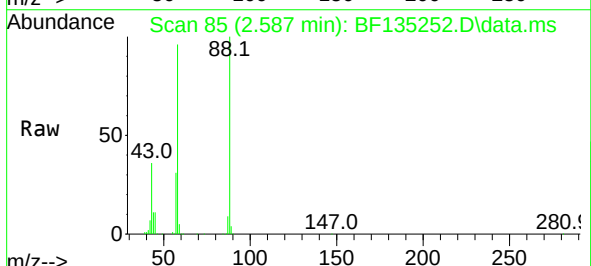
Tgt Ion: 152 Resp: 11572  
Ion Ratio Lower Upper  
152 100  
150 160.0 127.8 191.6  
115 61.5 49.8 74.8

Manual Integrations  
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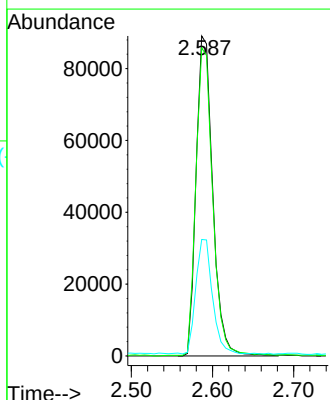
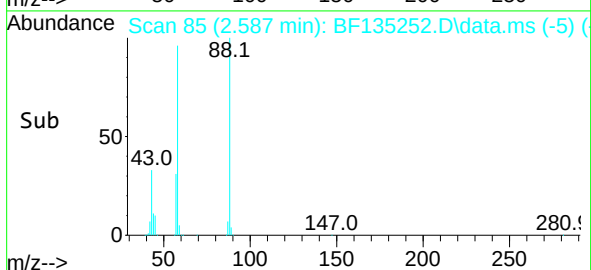
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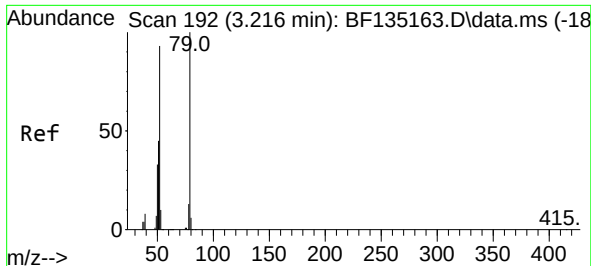


#2  
1,4-Dioxane  
Concen: 40.672 ng  
RT: 2.587 min Scan# 85  
Delta R.T. 0.118 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion: 88 Resp: 126861  
Ion Ratio Lower Upper  
88 100  
58 98.3 78.3 117.5  
43 35.7 29.4 44.0





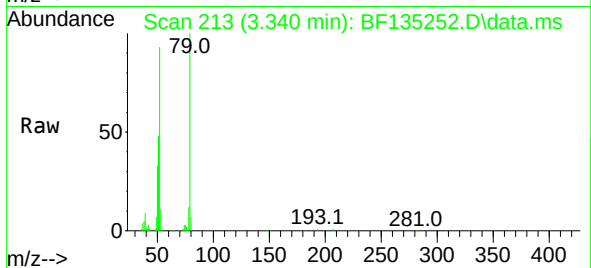
#3  
Pyridine  
Concen: 36.391 ng  
RT: 3.340 min Scan# 213  
Delta R.T. 0.124 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



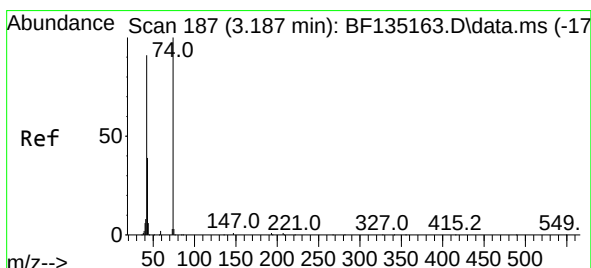
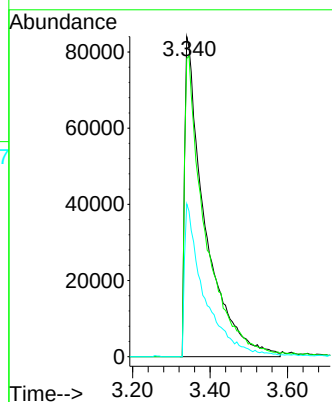
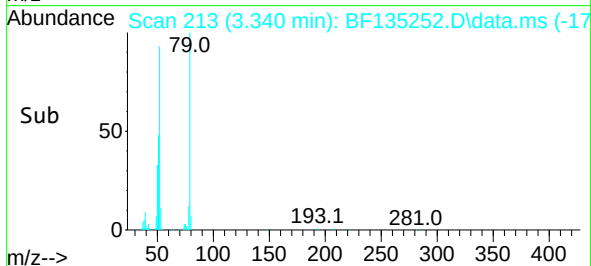
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Ion Ratio Lower Upper  
79 100  
52 93.1 74.1 111.1  
51 47.7 35.8 53.8

Manual Integrations

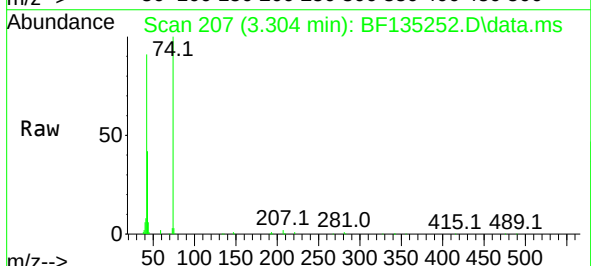
APPROVED

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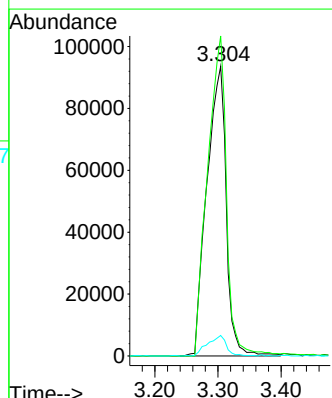
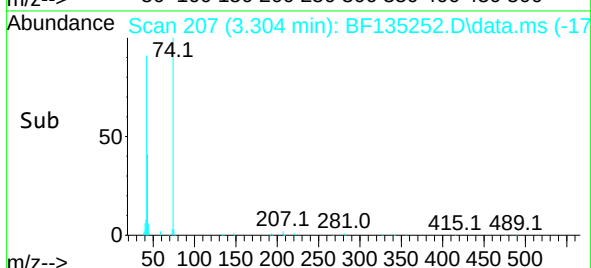
Supervised By :mohammad ahmed 09/15/2023

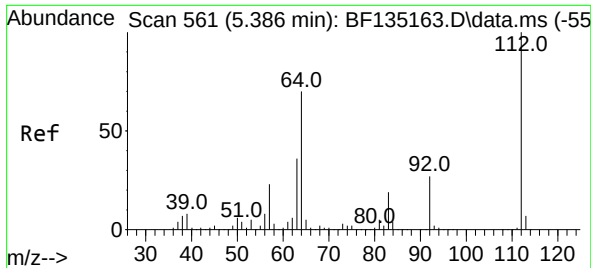


#4  
n-Nitrosodimethylamine  
Concen: 44.715 ng  
RT: 3.304 min Scan# 207  
Delta R.T. 0.118 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion: 42 Resp: 199194  
Ion Ratio Lower Upper  
42 100  
74 110.5 87.7 131.5  
44 7.1 5.6 8.4





#5  
2-Fluorophenol  
Concen: 137.002 ng  
RT: 5.410 min Scan# 50  
Delta R.T. 0.024 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

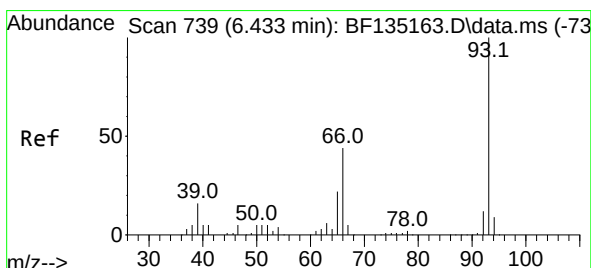
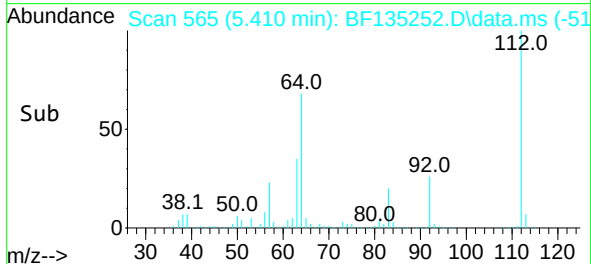
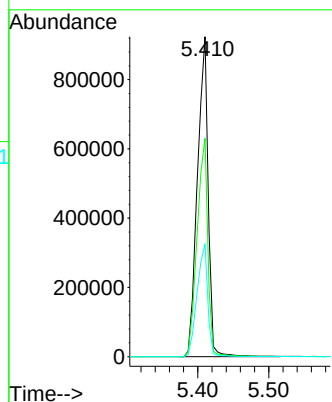
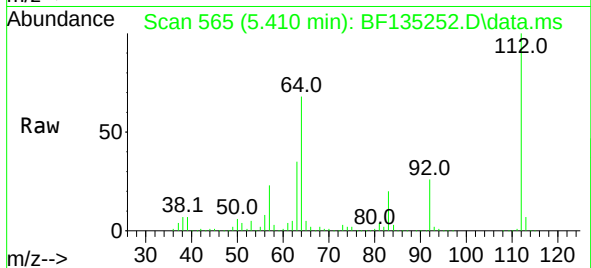
PB154909BS

Tgt Ion:112 Resp: 97478  
Ion Ratio Lower Upper  
112 100  
64 68.3 55.9 83.9  
63 35.0 29.0 43.6

Manual Integrations

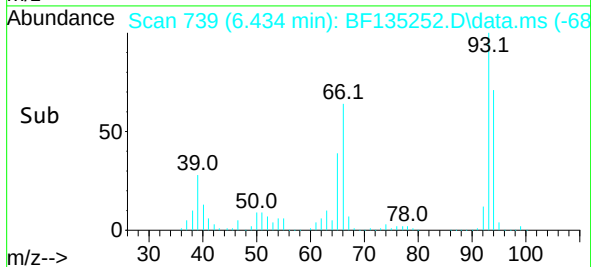
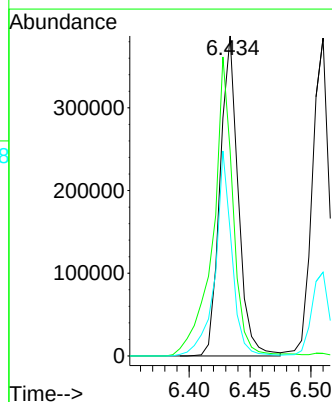
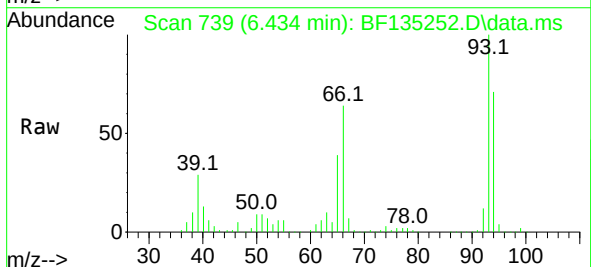
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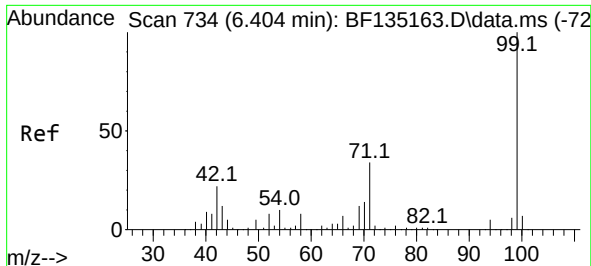
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#6  
Aniline  
Concen: 33.795 ng  
RT: 6.434 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion: 93 Resp: 400946  
Ion Ratio Lower Upper  
93 100  
66 64.2 35.4 53.0#  
65 39.2 17.8 26.8#





#7

Phenol-d6

Concen: 139.554 ng

RT: 6.416 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

Tgt Ion: 99 Resp: 126258

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

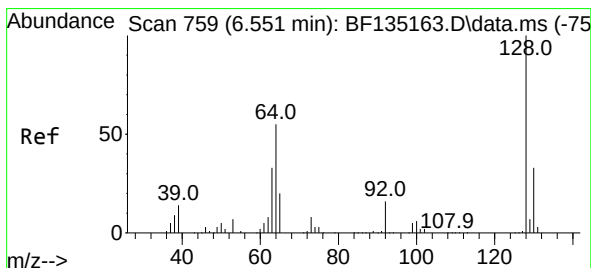
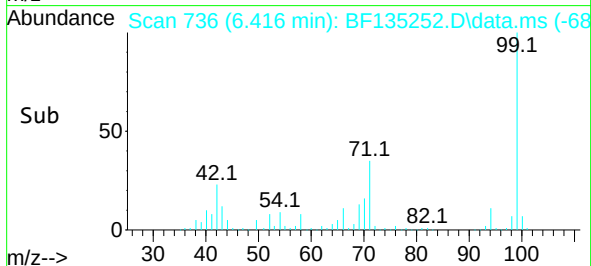
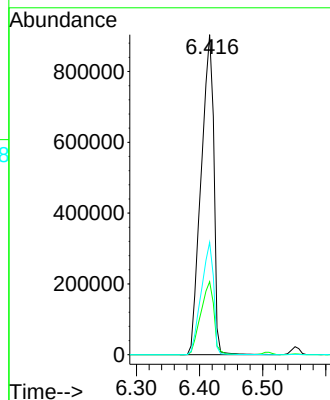
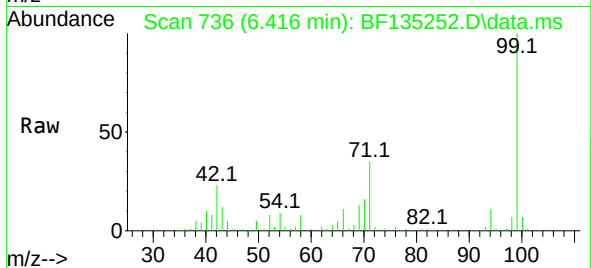
71 35.1 27.0 40.6

Manual Integrations

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#8

2-Chlorophenol

Concen: 51.203 ng

RT: 6.551 min Scan# 759

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

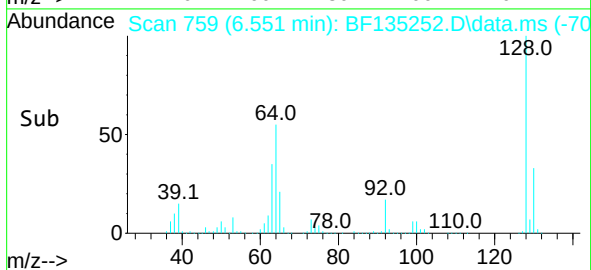
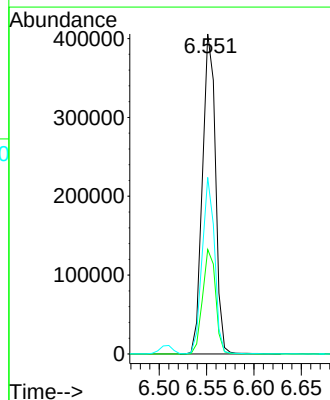
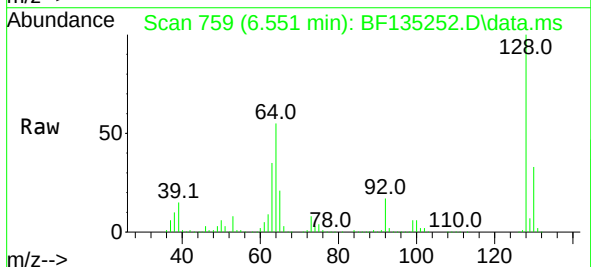
Tgt Ion:128 Resp: 388906

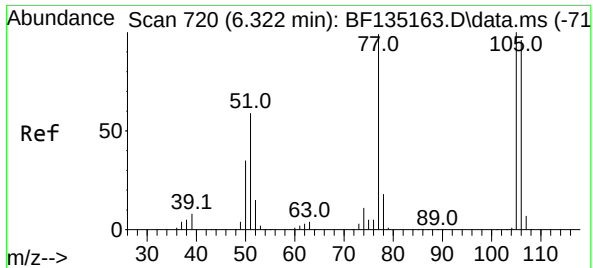
Ion Ratio Lower Upper

128 100

130 32.7 12.7 52.7

64 55.2 35.9 75.9





#9  
Benzaldehyde  
Concen: 27.486 ng  
RT: 6.316 min Scan# 719  
Delta R.T. -0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

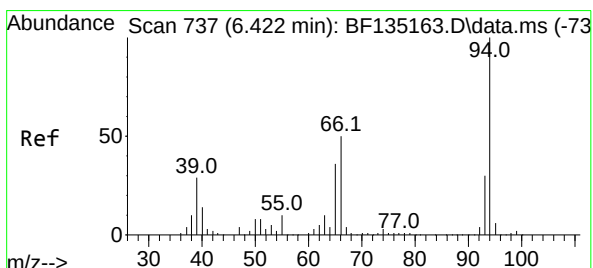
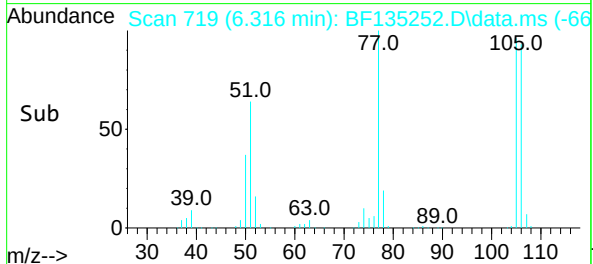
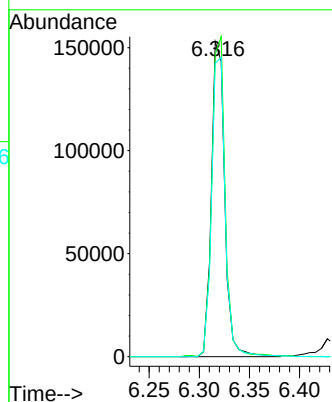
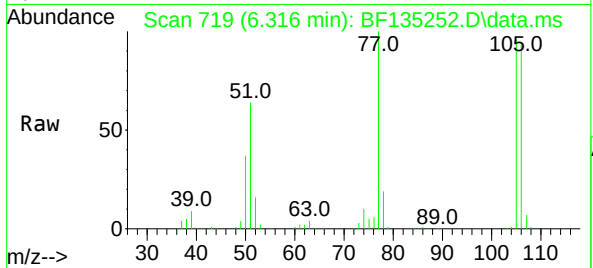
PB154909BS

Tgt Ion: 77 Resp: 14166  
Ion Ratio Lower Upper  
77 100  
105 95.9 81.4 121.4  
106 93.1 76.9 116.9

Manual Integrations

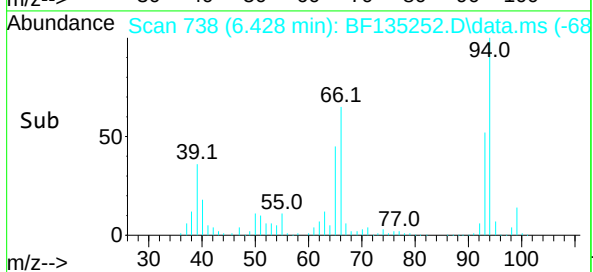
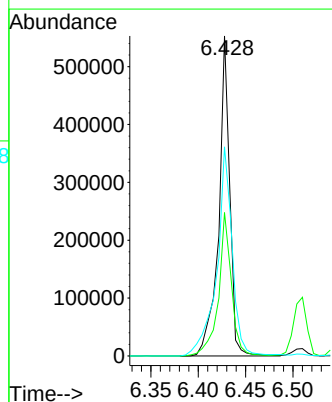
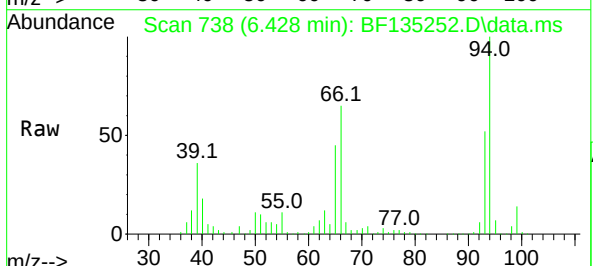
APPROVED

Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

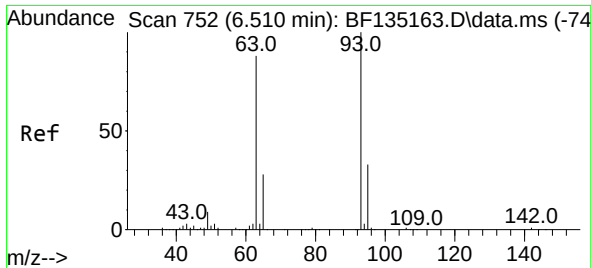


#10  
Phenol  
Concen: 45.082 ng  
RT: 6.428 min Scan# 738  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion: 94 Resp: 447245  
Ion Ratio Lower Upper  
94 100  
65 44.8 15.9 55.9  
66 65.4 29.8 69.8







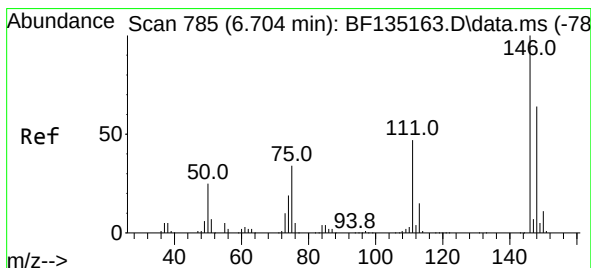
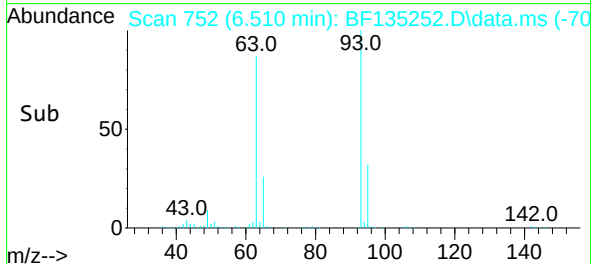
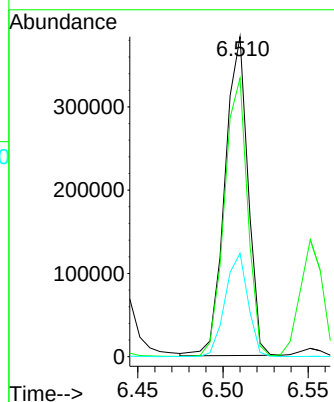
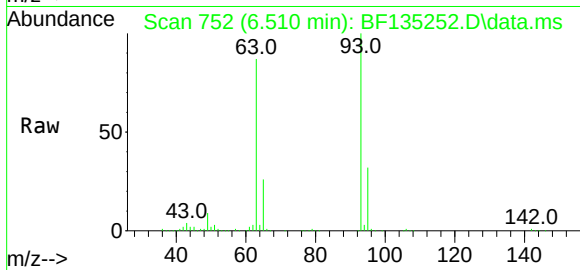
#11  
bis(2-Chloroethyl)ether  
Concen: 48.427 ng  
RT: 6.510 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS

Tgt Ion: 93 Resp: 360374  
Ion Ratio Lower Upper  
93 100  
63 87.0 67.3 107.3  
95 32.3 12.7 52.7

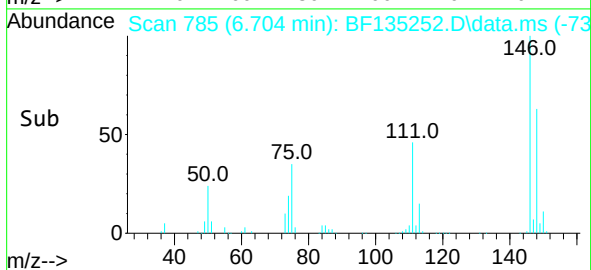
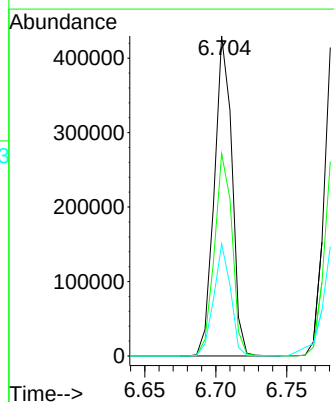
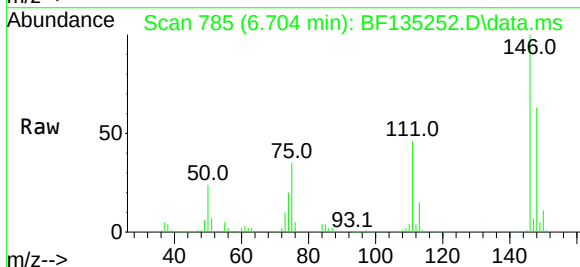
Manual Integrations  
APPROVED

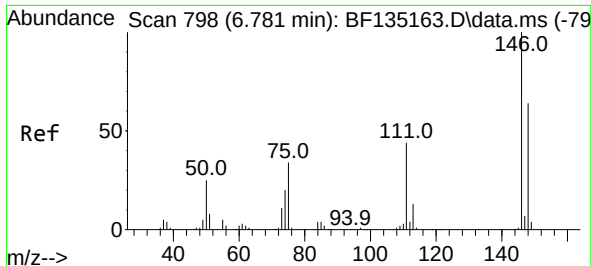
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#12  
1,3-Dichlorobenzene  
Concen: 48.210 ng  
RT: 6.704 min Scan# 785  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:146 Resp: 372141  
Ion Ratio Lower Upper  
146 100  
148 63.3 51.3 76.9  
75 35.0 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 46.574 ng

RT: 6.781 min Scan# 798

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

Tgt Ion:146 Resp: 36576

Ion Ratio Lower Upper

146 100

148 63.0 51.3 76.9

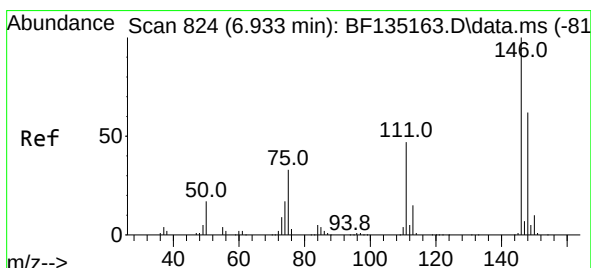
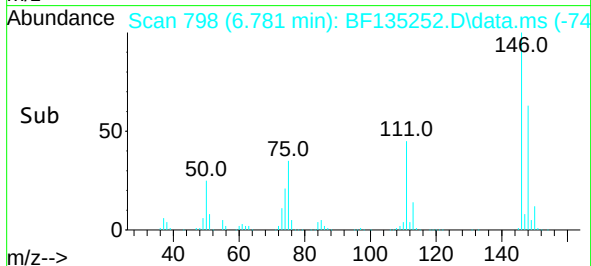
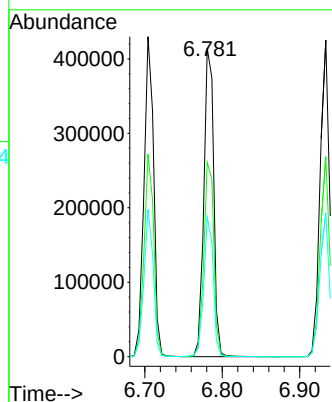
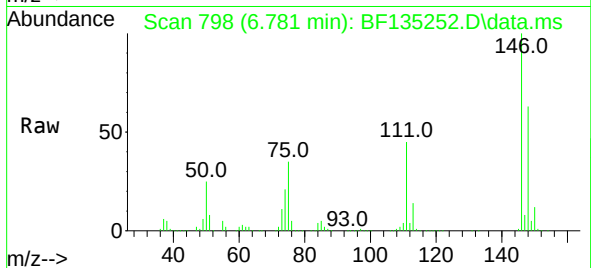
111 45.2 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#14

1,2-Dichlorobenzene

Concen: 49.454 ng

RT: 6.934 min Scan# 824

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

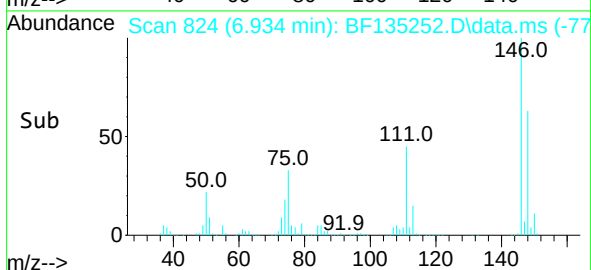
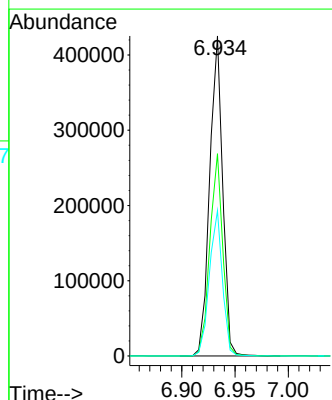
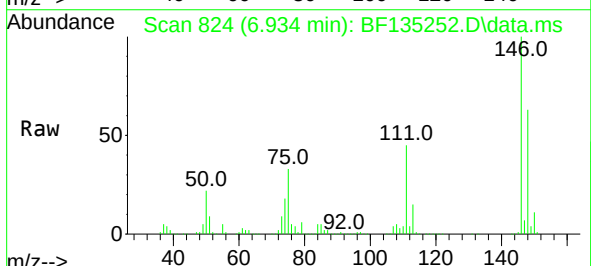
Tgt Ion:146 Resp: 360673

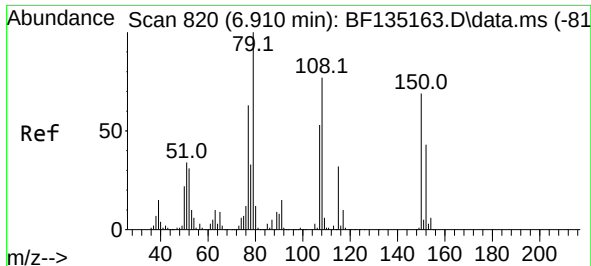
Ion Ratio Lower Upper

146 100

148 63.2 49.7 74.5

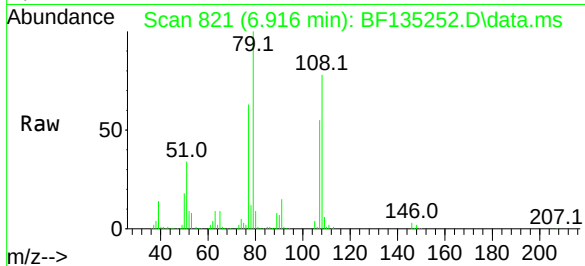
111 45.4 37.4 56.2





#15  
Benzyl Alcohol  
Concen: 49.848 ng  
RT: 6.916 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

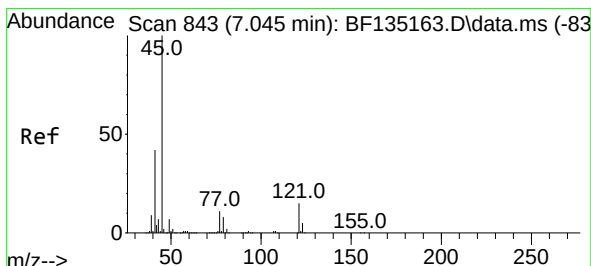
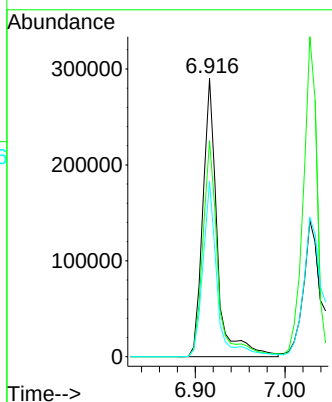
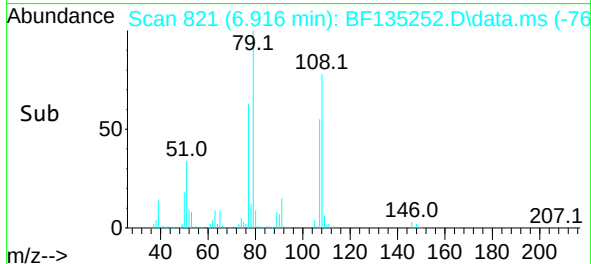
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



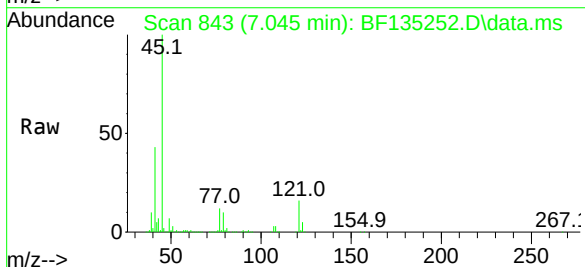
Tgt Ion: 79 Resp: 323620  
Ion Ratio Lower Upper  
79 100  
108 77.6 61.2 91.8  
77 63.0 50.5 75.7

Manual Integrations  
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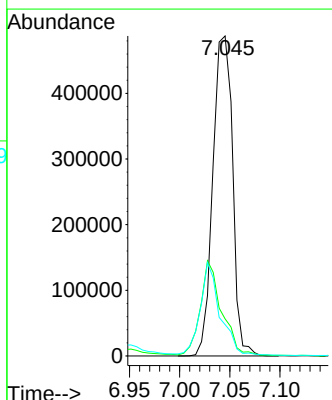
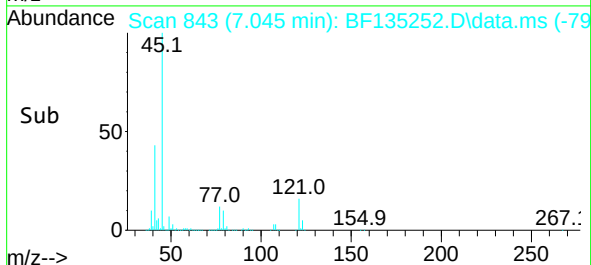
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

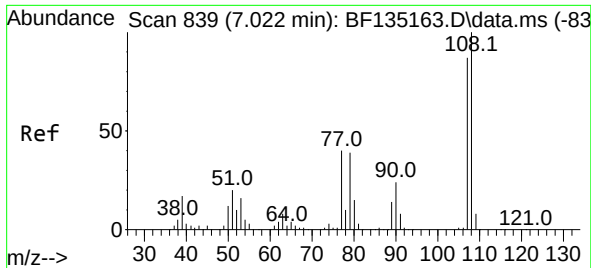


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 47.464 ng  
RT: 7.045 min Scan# 843  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



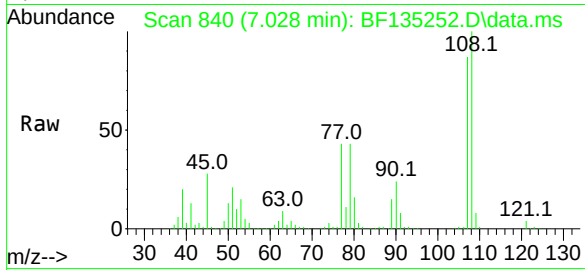
Tgt Ion: 45 Resp: 665759  
Ion Ratio Lower Upper  
45 100  
77 11.6 0.0 30.6  
79 9.8 0.0 28.3





#17  
2-Methylphenol  
Concen: 46.719 ng  
RT: 7.028 min Scan# 840  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

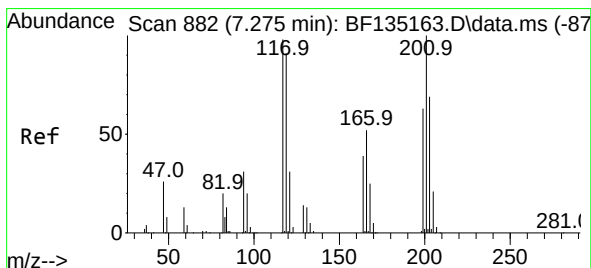
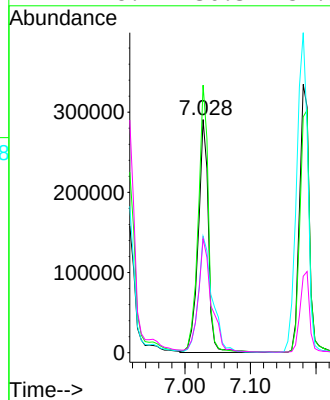
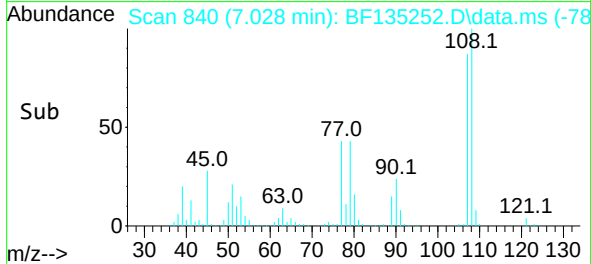
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



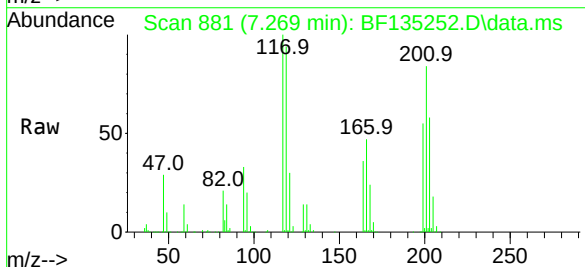
Tgt Ion:107 Resp: 31314  
Ion Ratio Lower Upper  
107 100  
108 114.8 92.0 138.0  
77 49.9 36.7 55.1  
79 48.9 36.3 54.5

Manual Integrations  
APPROVED

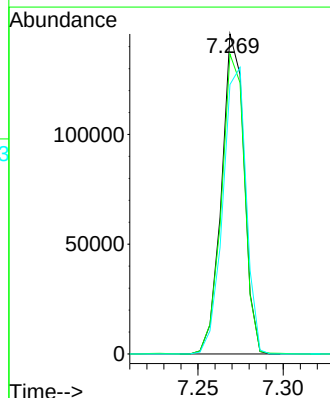
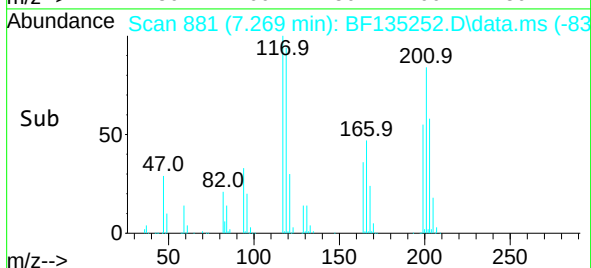
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

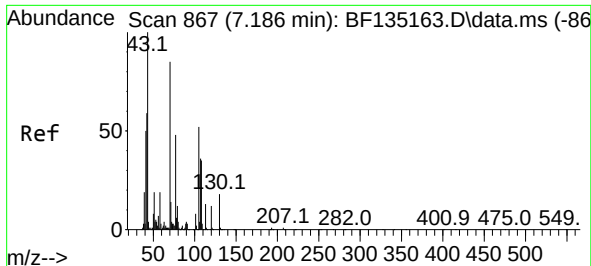


#18  
Hexachloroethane  
Concen: 46.051 ng  
RT: 7.269 min Scan# 881  
Delta R.T. -0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:117 Resp: 133629  
Ion Ratio Lower Upper  
117 100  
119 93.7 74.7 112.1  
201 84.2 81.8 122.8





#19

n-Nitroso-di-n-propylamine

Concen: 43.543 ng

RT: 7.186 min Scan# 867

Delta R.T. 0.000 min

Lab File: BF135252.D

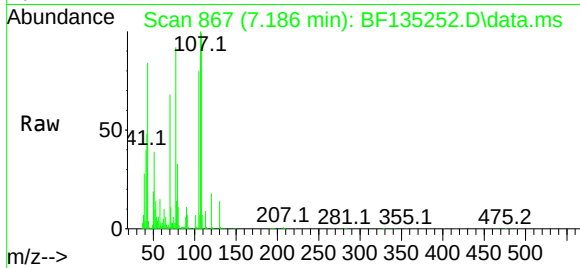
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



Tgt Ion: 70 Resp: 244000

Ion Ratio Lower Upper

70 100

42 70.9 55.4 83.0

101 9.8 7.7 11.5

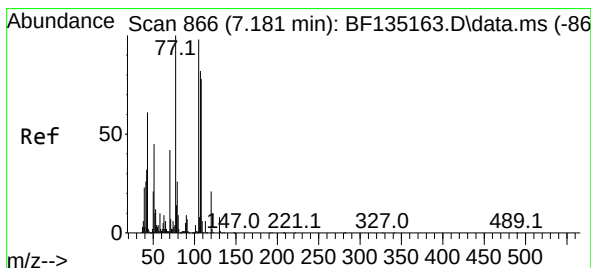
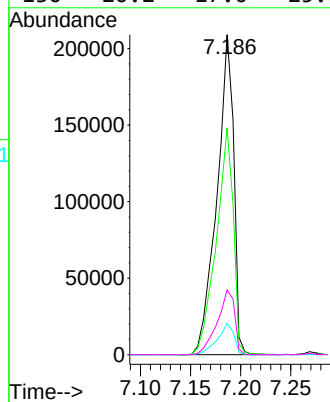
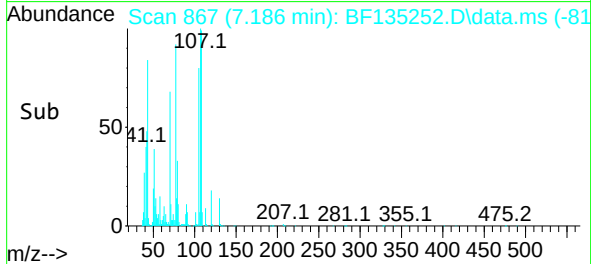
130 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#20

3+4-Methylphenols

Concen: 42.472 ng

RT: 7.181 min Scan# 866

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Tgt Ion:107 Resp: 342309

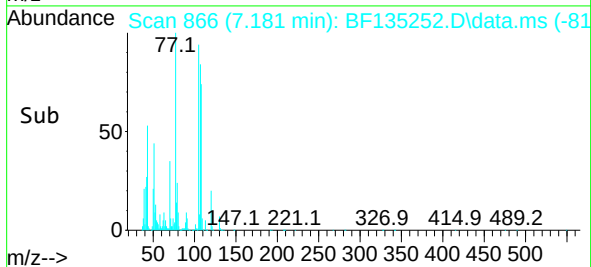
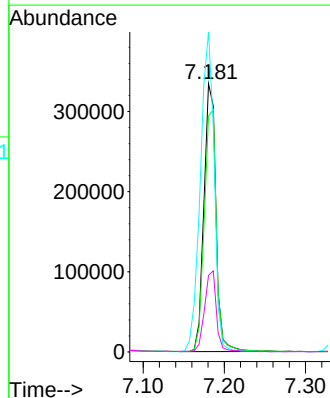
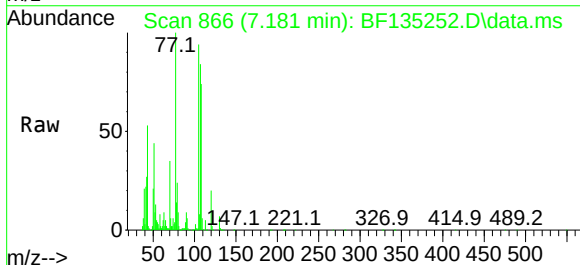
Ion Ratio Lower Upper

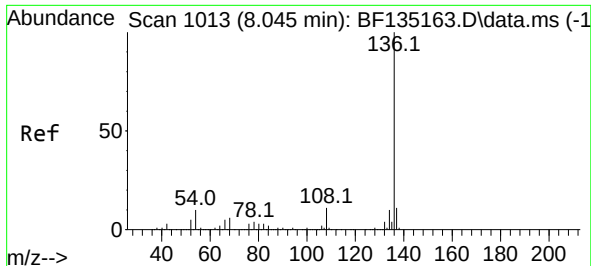
107 100

108 87.8 74.7 114.7

77 119.2 102.0 142.0

79 28.5 11.7 51.7





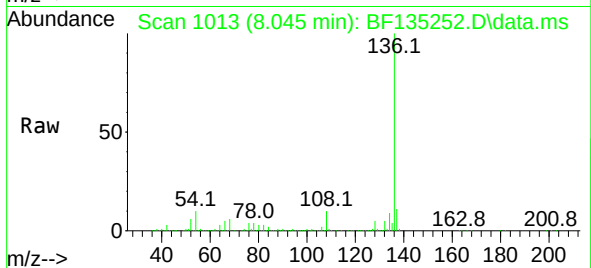
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.045 min Scan# 1013  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

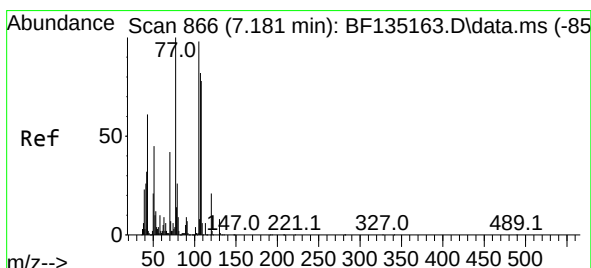
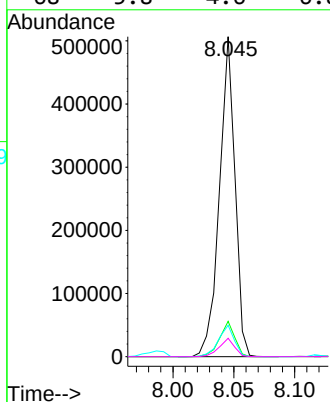
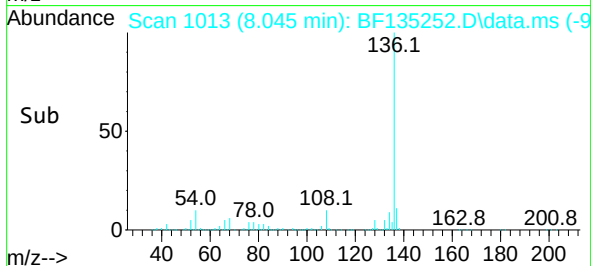


Tgt Ion:136 Resp: 450978  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 9.8 7.7 11.5  
68 5.8 4.6 6.8

Manual Integrations

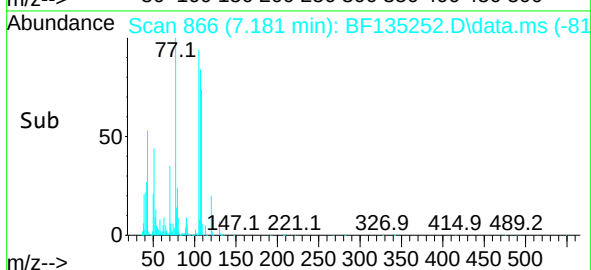
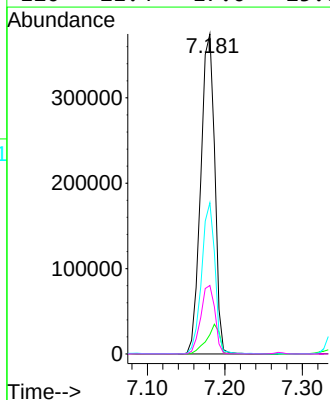
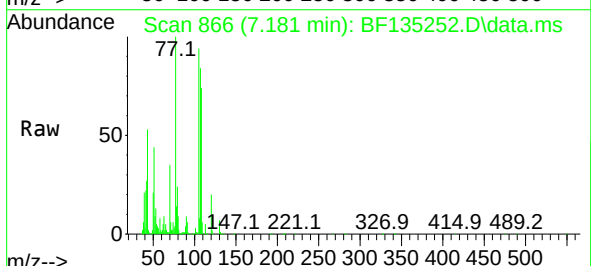
APPROVED

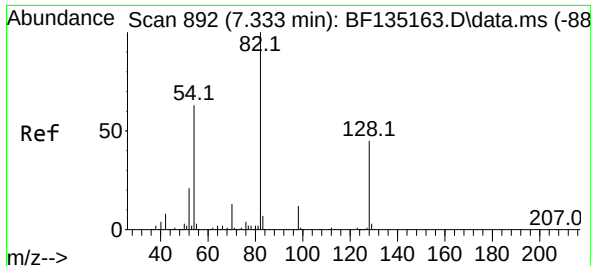
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#22  
Acetophenone  
Concen: 45.624 ng  
RT: 7.181 min Scan# 866  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:105 Resp: 470406  
Ion Ratio Lower Upper  
105 100  
71 6.1 5.8 8.6  
51 47.3 37.0 55.4  
120 21.4 17.0 25.6





#23

Nitrobenzene-d5

Concen: 90.096 ng

RT: 7.333 min Scan# 892

Delta R.T. 0.000 min

Lab File: BF135252.D

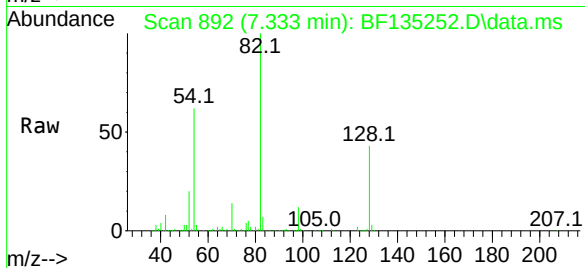
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

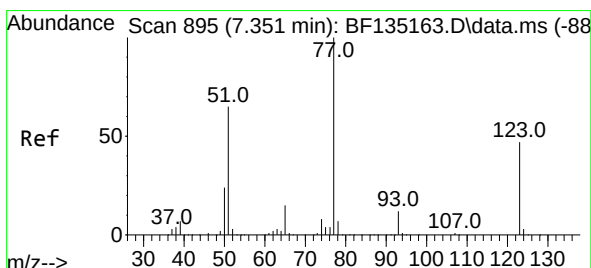
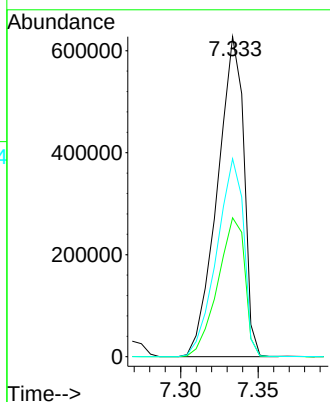
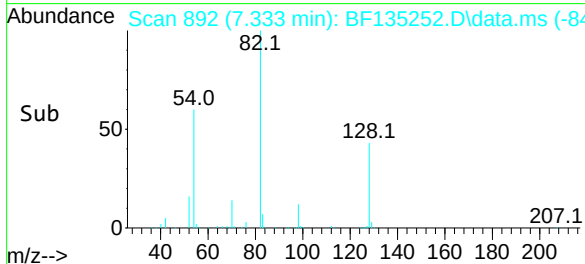


Tgt Ion: 82 Resp: 74787

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 43.4  | 35.8  | 53.6  |
| 54  | 61.9  | 50.6  | 76.0  |

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#24

Nitrobenzene

Concen: 45.379 ng

RT: 7.351 min Scan# 895

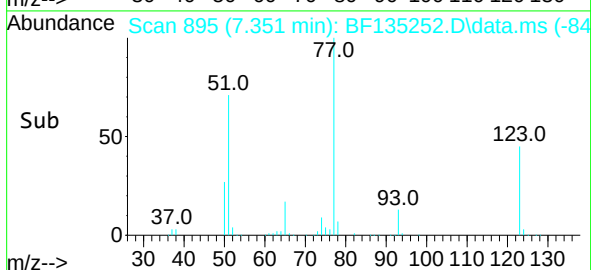
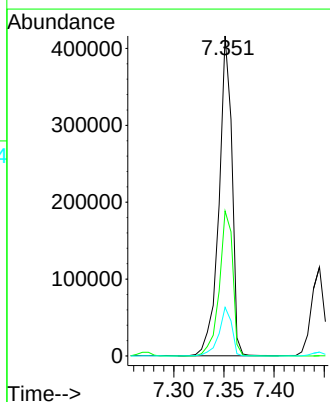
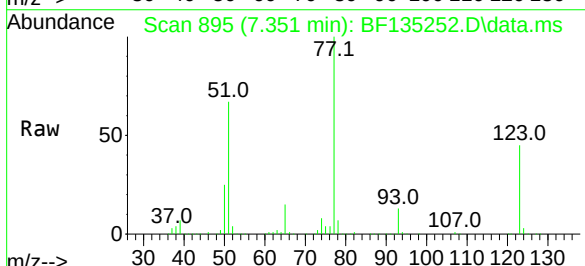
Delta R.T. 0.000 min

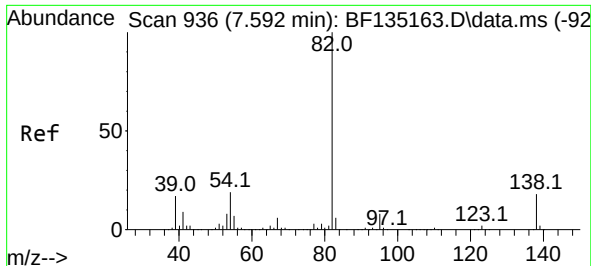
Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Tgt Ion: 77 Resp: 372311

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 45.3  | 37.6  | 56.4  |
| 65  | 15.2  | 12.2  | 18.4  |





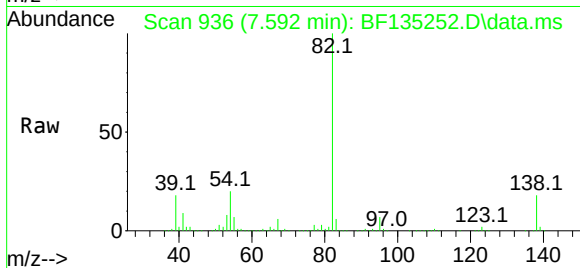
#25  
Isophorone  
Concen: 45.279 ng  
RT: 7.592 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

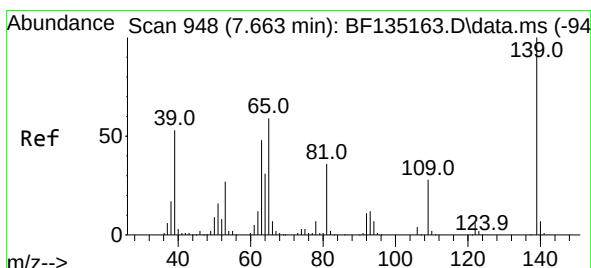
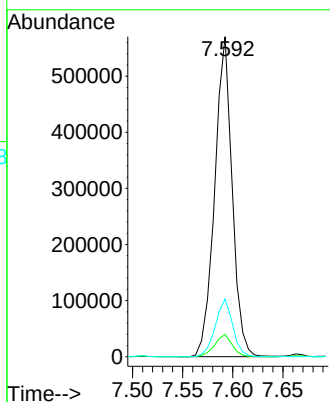
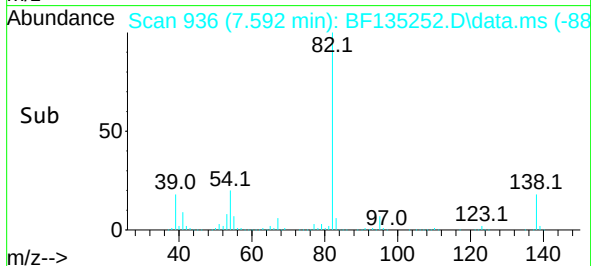


Tgt Ion: 82 Resp: 690160  
Ion Ratio Lower Upper  
82 100  
95 7.0 6.0 9.0  
138 18.0 14.5 21.7

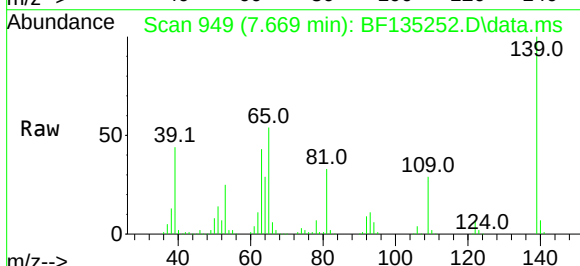
Manual Integrations

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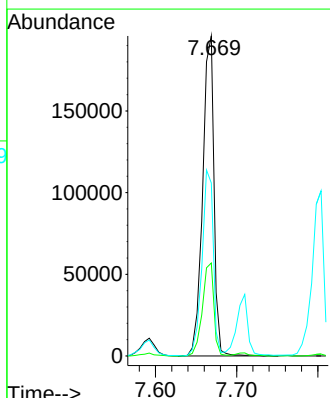
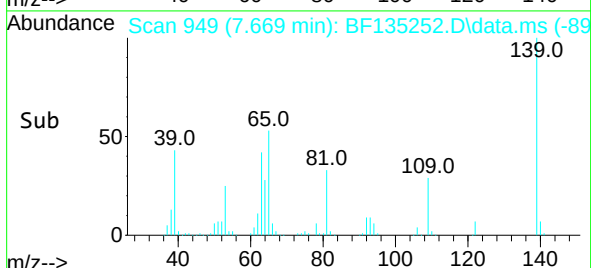
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



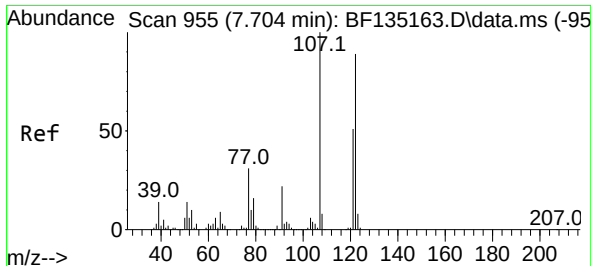
#26  
2-Nitrophenol  
Concen: 48.206 ng  
RT: 7.669 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:139 Resp: 189822  
Ion Ratio Lower Upper  
139 100  
109 29.0 22.6 33.8  
65 54.0 47.0 70.4







#27

2,4-Dimethylphenol

Concen: 48.561 ng

RT: 7.710 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF135252.D

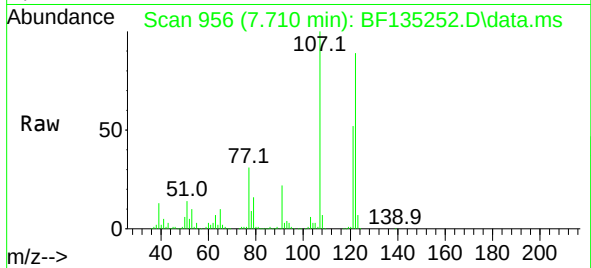
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



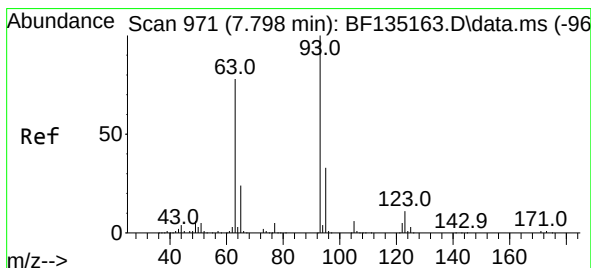
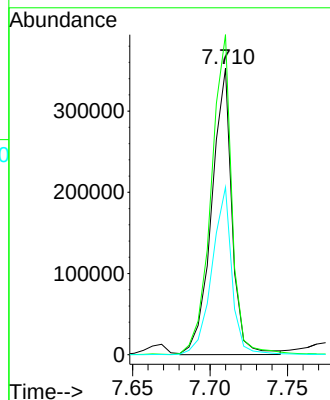
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 122   | Resp: | 321420 |
| Ion      | Ratio | Lower | Upper  |
| 122      | 100   |       |        |
| 107      | 111.8 | 90.2  | 135.4  |
| 121      | 58.5  | 46.3  | 69.5   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#28

bis(2-Chloroethoxy)methane

Concen: 46.090 ng

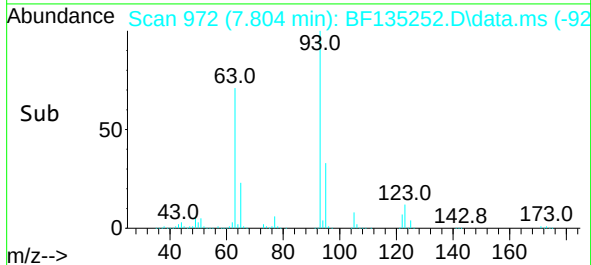
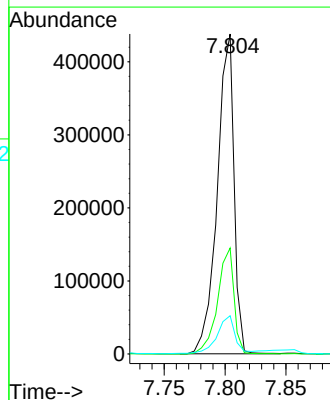
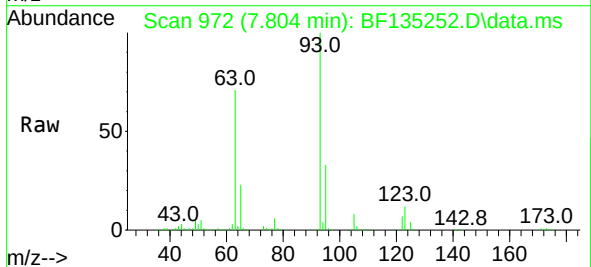
RT: 7.804 min Scan# 972

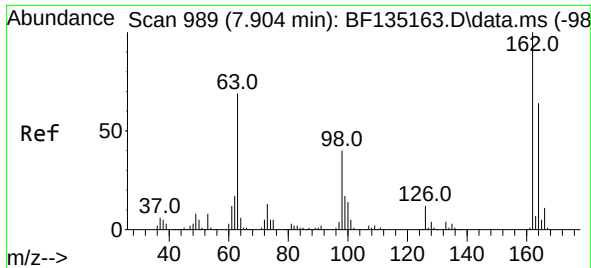
Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 93    | Resp: | 420483 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 95       | 33.1  | 26.2  | 39.2   |
| 123      | 12.0  | 8.8   | 13.2   |





#29

2,4-Dichlorophenol

Concen: 47.861 ng

RT: 7.910 min Scan# 990

Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

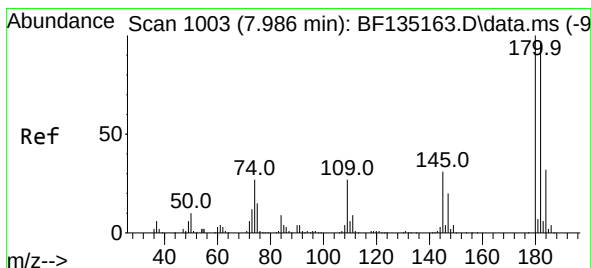
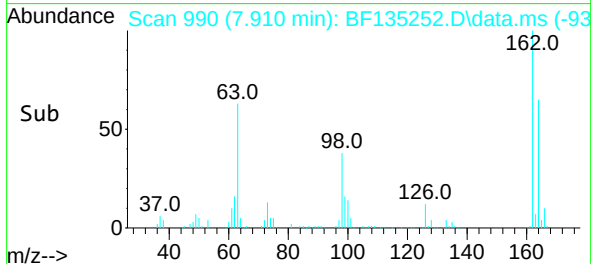
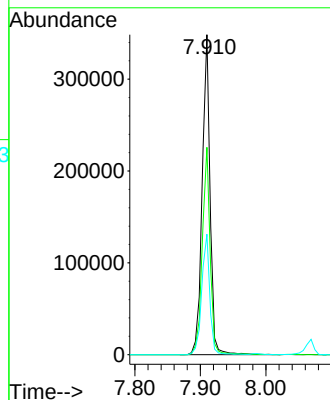
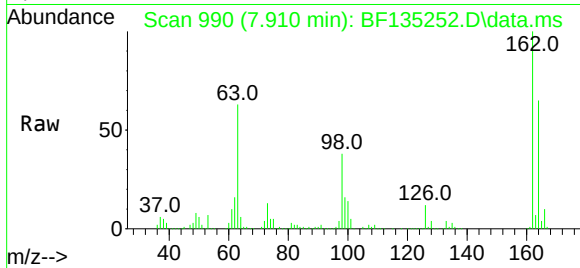
Tgt Ion:162 Resp: 293538  
 Ion Ratio Lower Upper  
 162 100  
 164 64.8 44.1 84.1  
 98 37.7 20.3 60.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#30

1,2,4-Trichlorobenzene

Concen: 47.068 ng

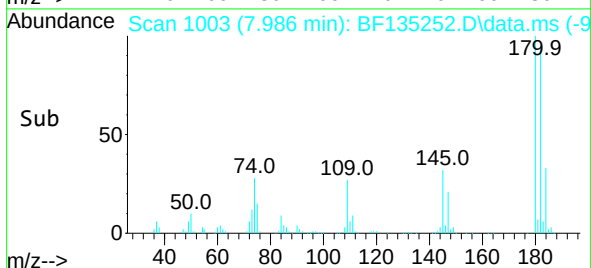
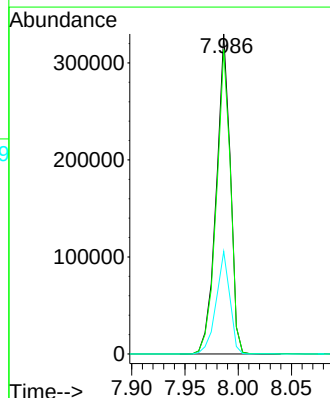
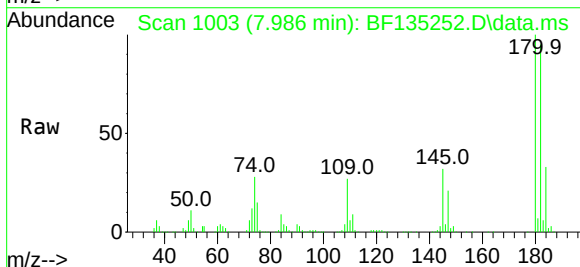
RT: 7.986 min Scan# 1003

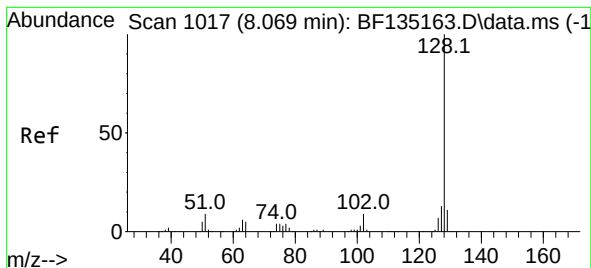
Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Tgt Ion:180 Resp: 301727  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 76.9 115.3  
 145 32.0 24.5 36.7





#31

Naphthalene

Concen: 45.798 ng

RT: 8.069 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF135252.D

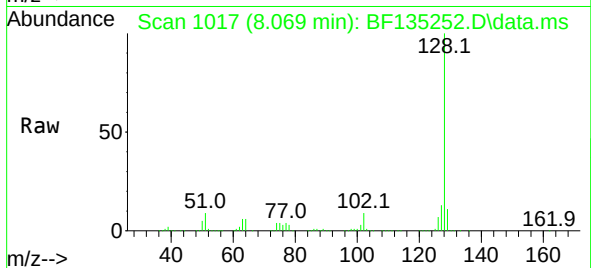
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



Tgt Ion:128 Resp: 100351

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

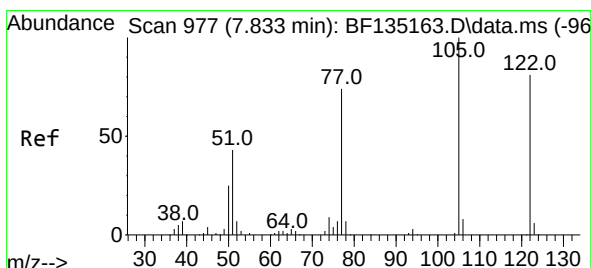
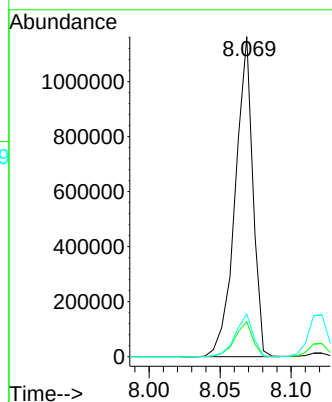
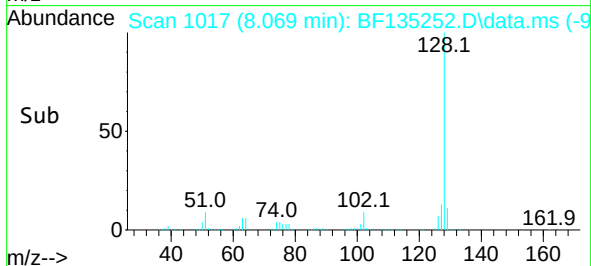
127 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#32

Benzoic acid

Concen: 48.796 ng

RT: 7.857 min Scan# 981

Delta R.T. 0.024 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

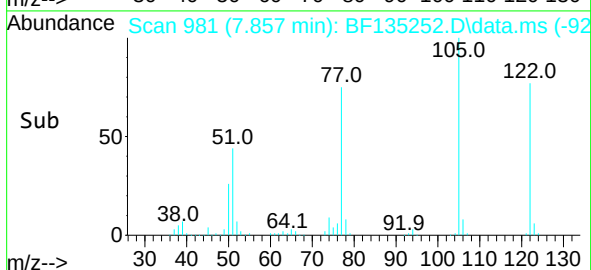
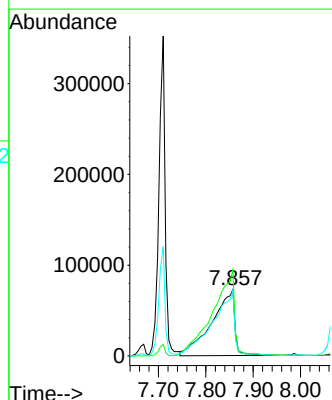
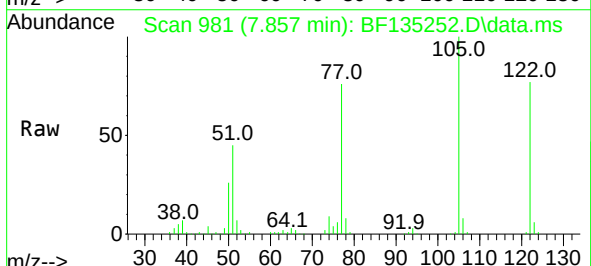
Tgt Ion:122 Resp: 243199

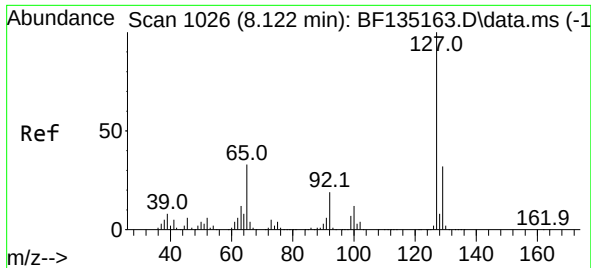
Ion Ratio Lower Upper

122 100

105 130.1 99.9 139.9

77 98.8 70.0 110.0





#33  
4-Chloroaniline  
Concen: 17.438 ng  
RT: 8.122 min Scan# 1026  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

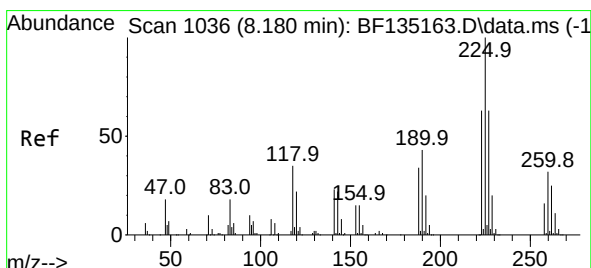
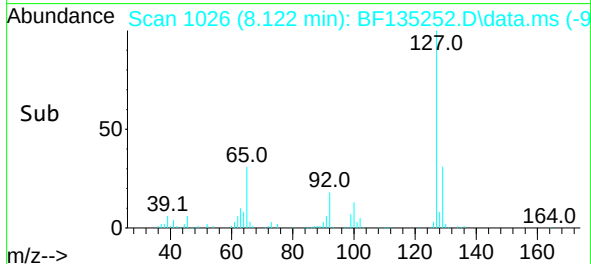
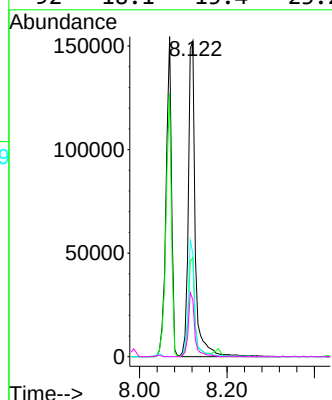
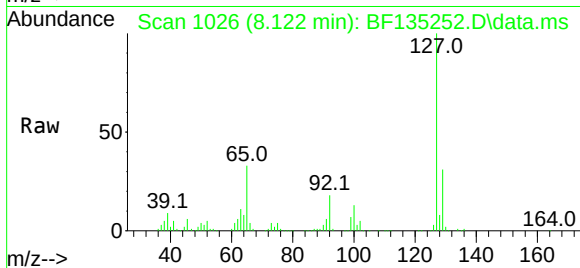
PB154909BS

Tgt Ion:127 Resp: 167640  
Ion Ratio Lower Upper  
127 100  
129 31.3 25.8 38.8  
65 32.6 26.6 39.8  
92 18.1 15.4 23.2

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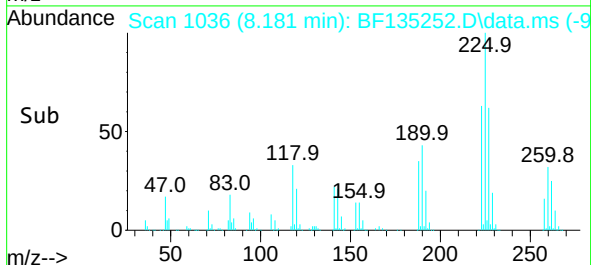
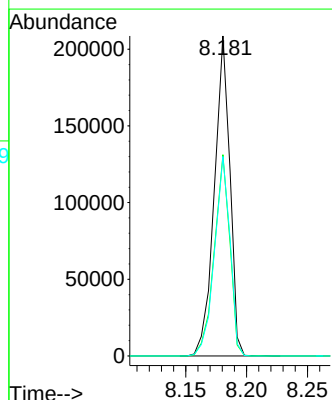
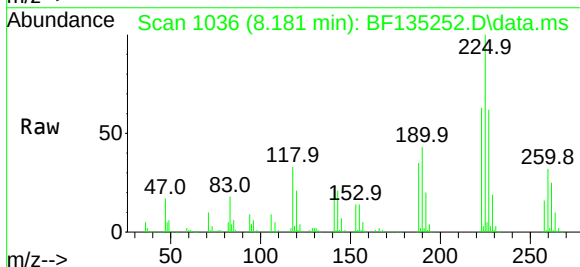
APPROVED

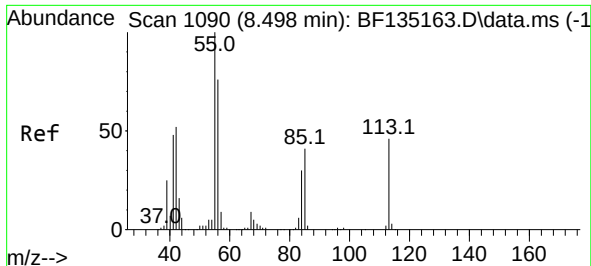
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#34  
Hexachlorobutadiene  
Concen: 47.832 ng  
RT: 8.181 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

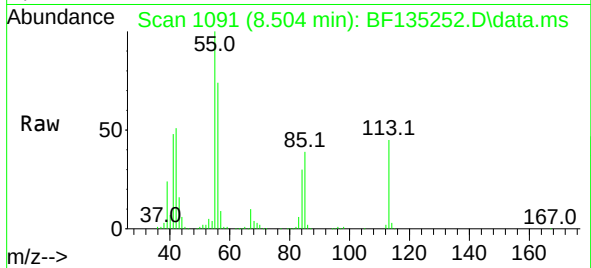
Tgt Ion:225 Resp: 184890  
Ion Ratio Lower Upper  
225 100  
223 62.9 50.6 75.8  
227 62.3 50.8 76.2





#35  
 Caprolactam  
 Concen: 54.720 ng m  
 RT: 8.504 min Scan# 1109  
 Delta R.T. 0.006 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05

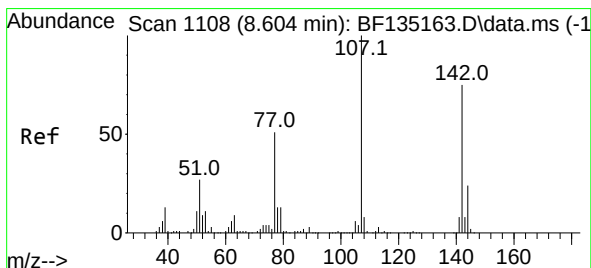
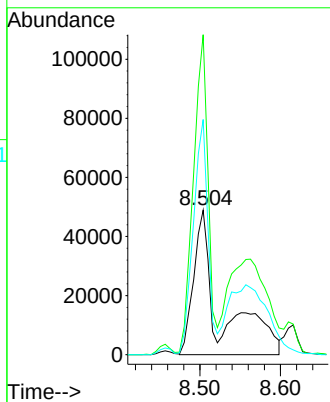
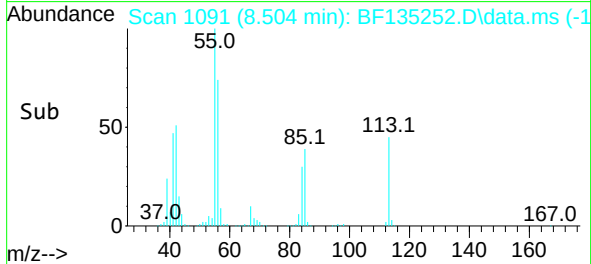
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154909BS



Tgt Ion:113 Resp: 112634  
 Ion Ratio Lower Upper  
 113 100  
 55 221.4 199.3 239.3  
 56 162.8 146.3 186.3

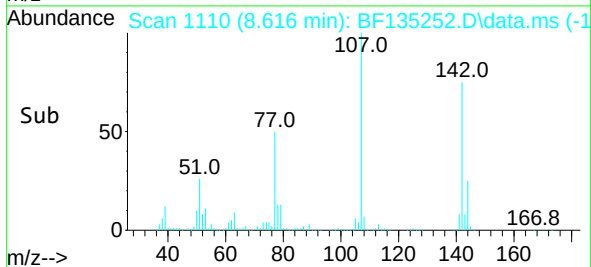
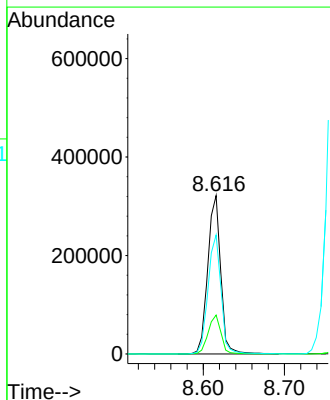
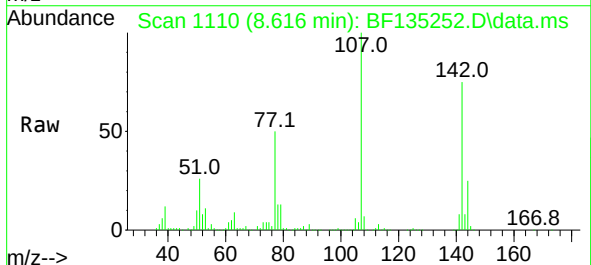
Manual Integrations  
 APPROVED

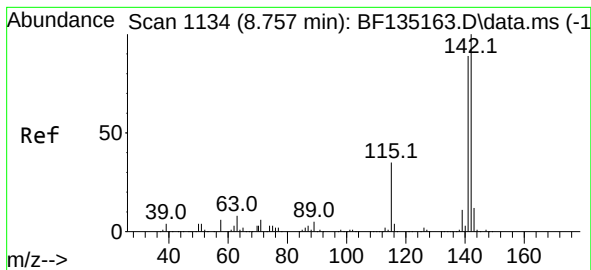
Reviewed By :Yogesh Patel 09/15/2023  
 Supervised By :mohammad ahmed 09/15/2023



#36  
 4-Chloro-3-methylphenol  
 Concen: 52.309 ng  
 RT: 8.616 min Scan# 1110  
 Delta R.T. 0.012 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05

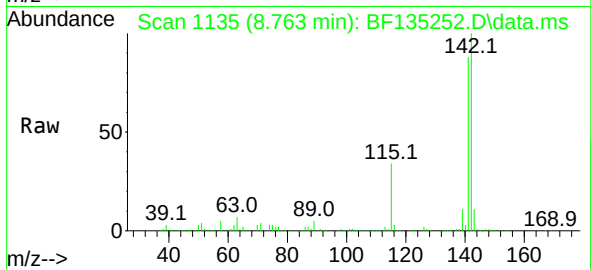
Tgt Ion:107 Resp: 356564  
 Ion Ratio Lower Upper  
 107 100  
 144 24.5 19.0 28.4  
 142 75.2 60.2 90.2





#37  
2-Methylnaphthalene  
Concen: 46.861 ng  
RT: 8.763 min Scan# 1134  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

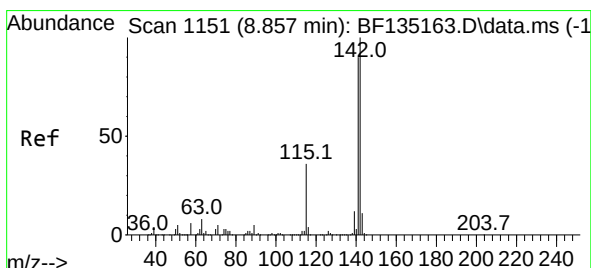
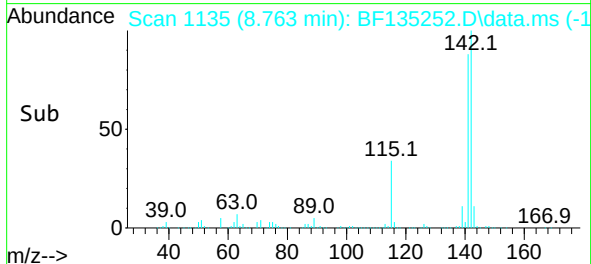
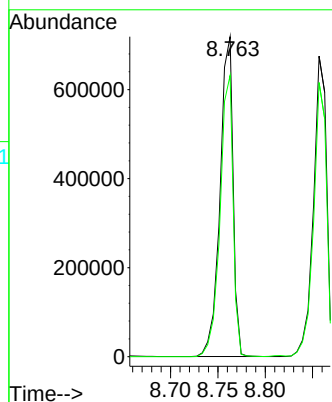
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



Tgt Ion:142 Resp: 690219  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.0 106.6

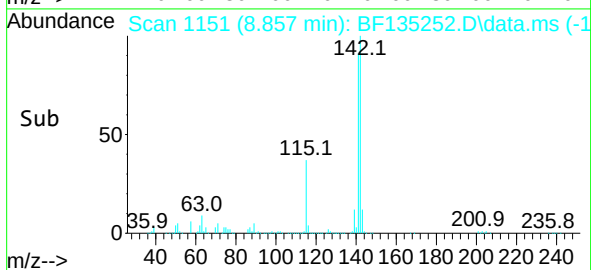
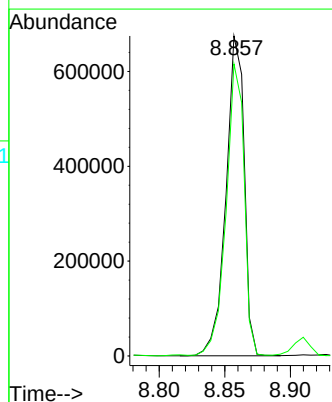
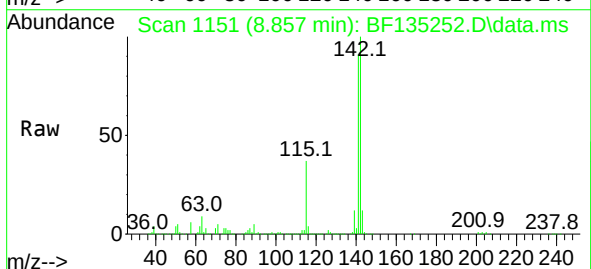
Manual Integrations  
APPROVED

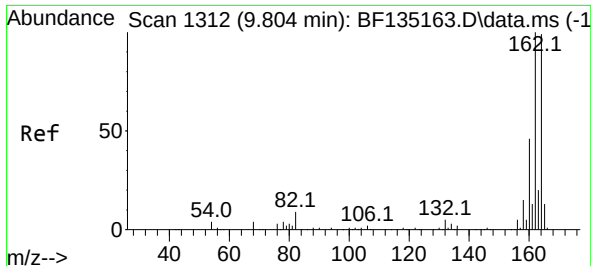
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#38  
1-Methylnaphthalene  
Concen: 47.292 ng  
RT: 8.857 min Scan# 1151  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:142 Resp: 652150  
Ion Ratio Lower Upper  
142 100  
141 91.2 72.4 108.6





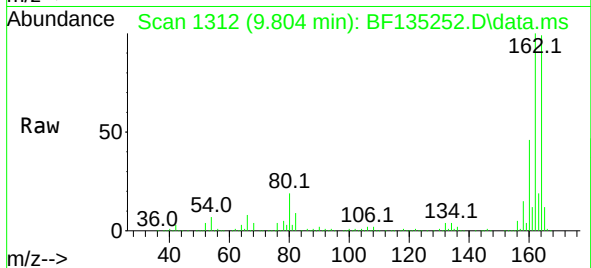
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.804 min Scan# 1163  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



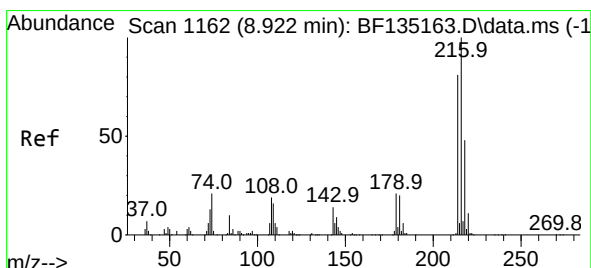
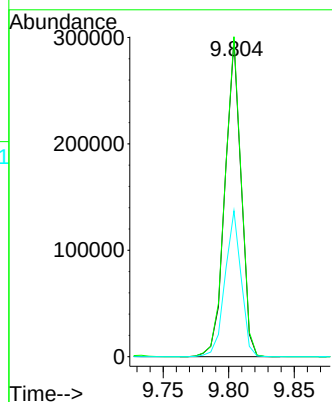
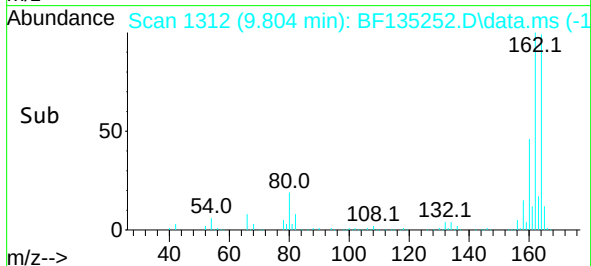
Tgt Ion:164 Resp: 25393  
Ion Ratio Lower Upper  
164 100  
162 101.2 81.0 121.4  
160 46.2 37.0 55.4

Manual Integrations

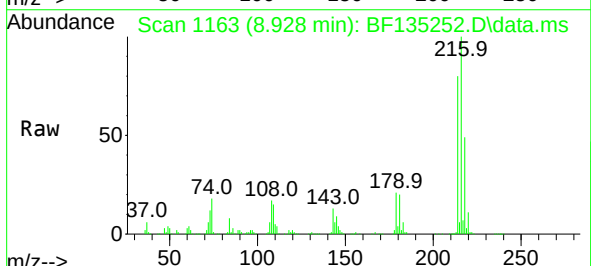
APPROVED

Reviewed By :Yogesh Patel 09/15/2023

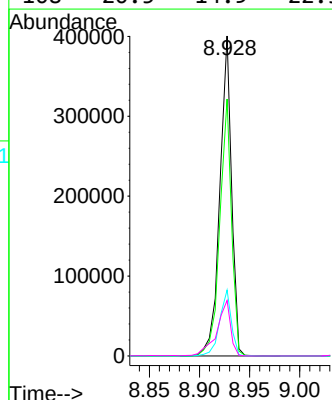
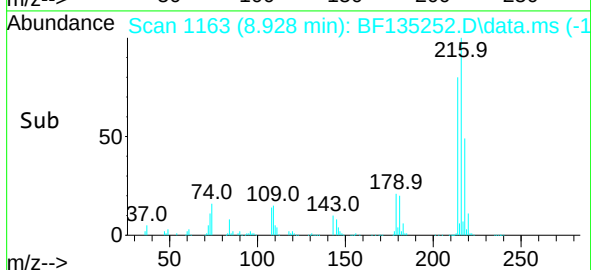
Supervised By :mohammad ahmed 09/15/2023

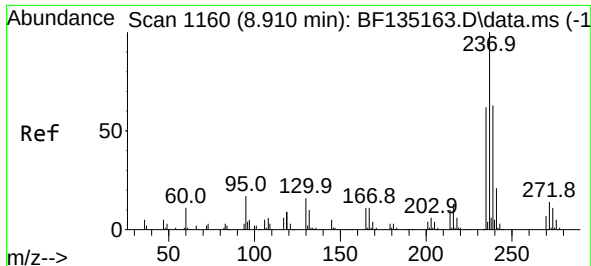


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 44.136 ng  
RT: 8.928 min Scan# 1163  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:216 Resp: 324700  
Ion Ratio Lower Upper  
216 100  
214 80.2 63.7 95.5  
179 20.7 16.7 25.1  
108 20.5 14.9 22.3





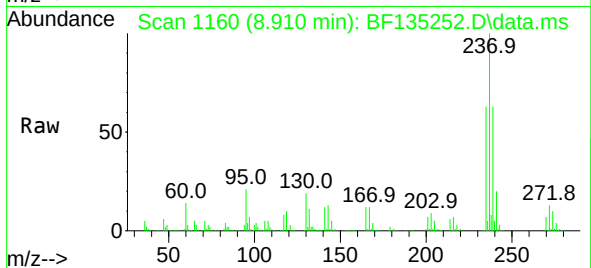
#41  
Hexachlorocyclopentadiene  
Concen: 83.885 ng  
RT: 8.910 min Scan# 1160  
Delta R.T. -0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

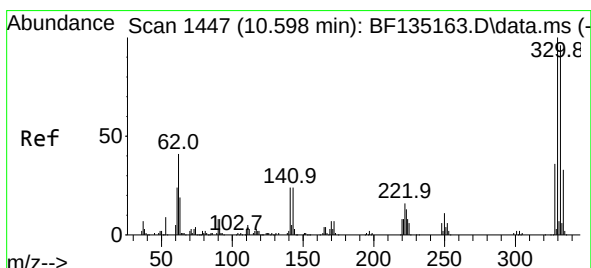
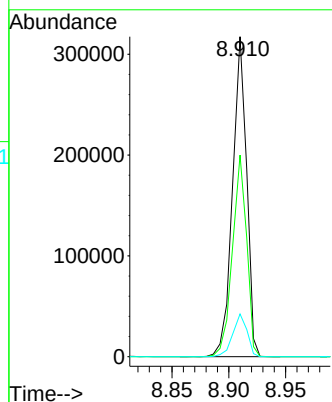
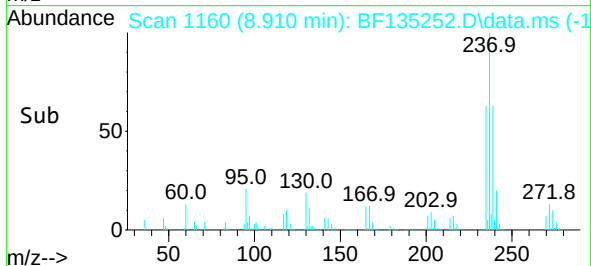


Tgt Ion:237 Resp: 27320  
Ion Ratio Lower Upper  
237 100  
235 63.0 41.8 81.8  
272 13.4 0.0 33.6

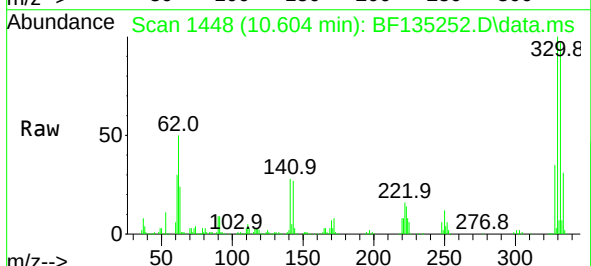
Manual Integrations

APPROVED

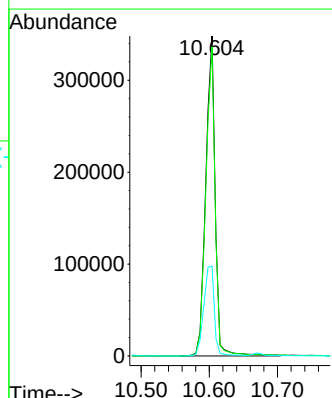
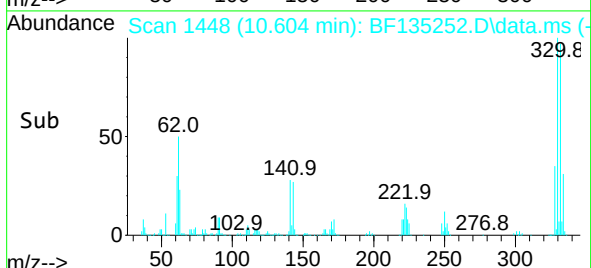
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



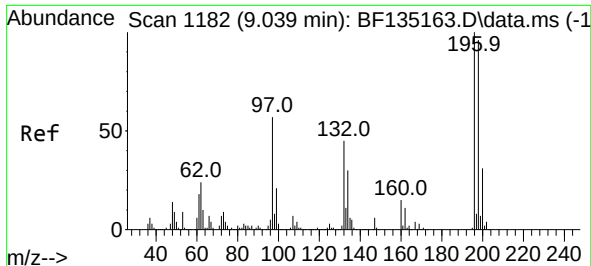
#42  
2,4,6-Tribromophenol  
Concen: 132.767 ng  
RT: 10.604 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:330 Resp: 335039  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.3 115.9  
141 31.6 25.8 38.8

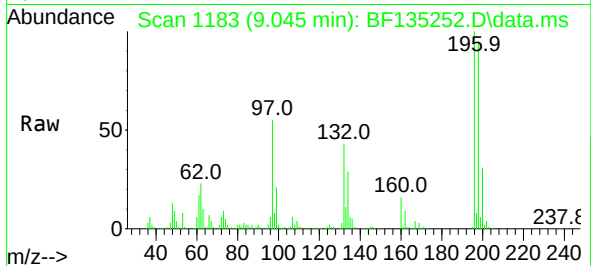






#43  
2,4,6-Trichlorophenol  
Concen: 46.520 ng  
RT: 9.045 min Scan# 1183  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

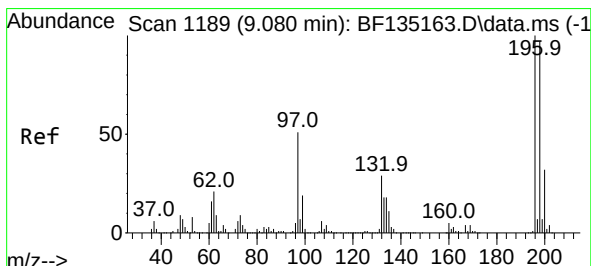
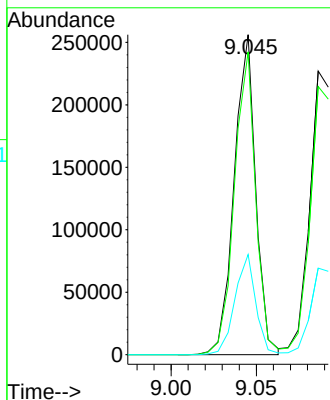
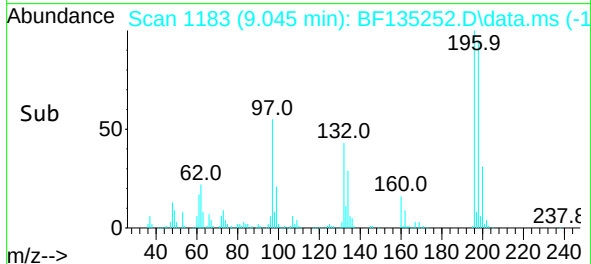
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



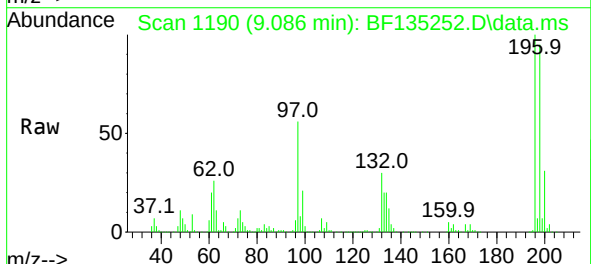
Tgt Ion:196 Resp: 224078  
Ion Ratio Lower Upper  
196 100  
198 94.6 77.0 115.6  
200 31.3 24.5 36.7

Manual Integrations  
APPROVED

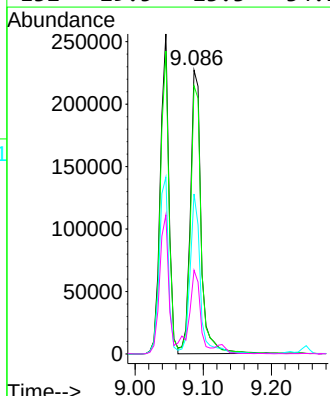
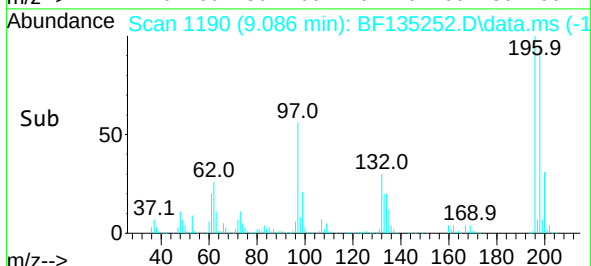
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

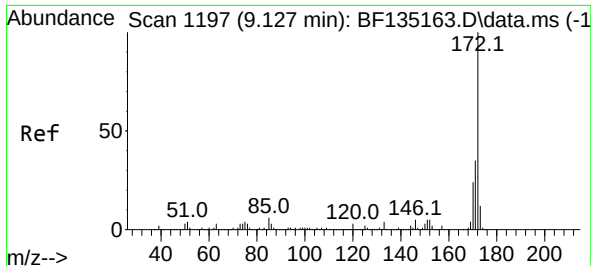


#44  
2,4,5-Trichlorophenol  
Concen: 44.241 ng  
RT: 9.086 min Scan# 1190  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



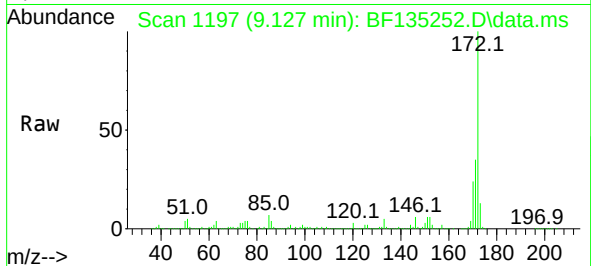
Tgt Ion:196 Resp: 245408  
Ion Ratio Lower Upper  
196 100  
198 94.5 77.5 116.3  
97 56.4 40.5 60.7  
132 29.5 23.3 34.9





#45  
2-Fluorobiphenyl  
Concen: 84.401 ng  
RT: 9.127 min Scan# 1197  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

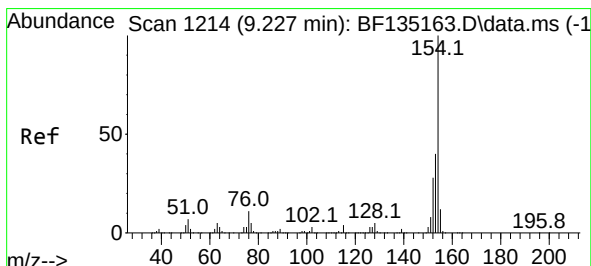
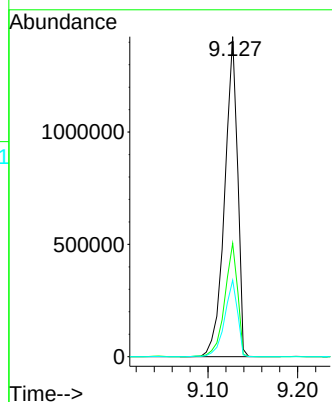
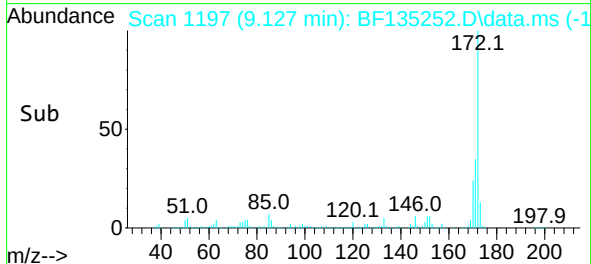
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



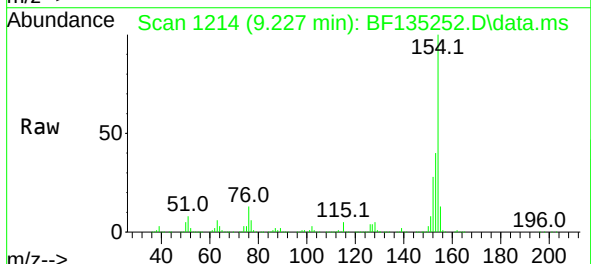
Tgt Ion:172 Resp: 142058  
Ion Ratio Lower Upper  
172 100  
171 35.4 28.4 42.6  
170 23.9 19.0 28.4

Manual Integrations  
APPROVED

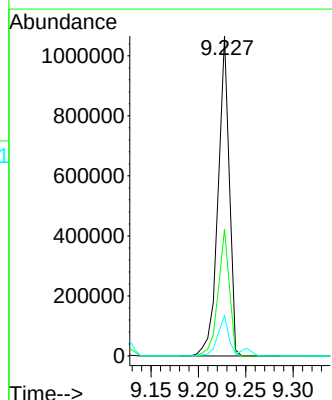
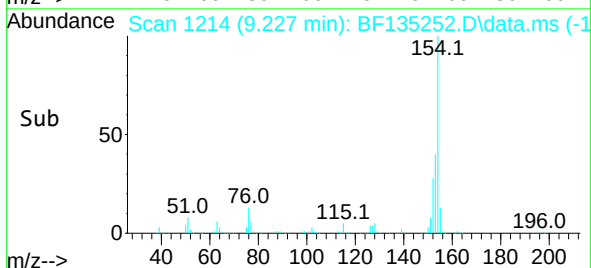
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

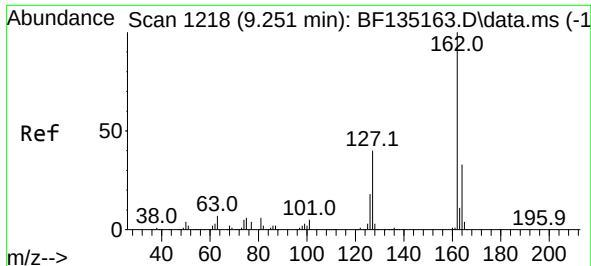


#46  
1,1'-Biphenyl  
Concen: 44.936 ng  
RT: 9.227 min Scan# 1214  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:154 Resp: 876919  
Ion Ratio Lower Upper  
154 100  
153 39.7 19.6 59.6  
76 12.6 0.0 31.0





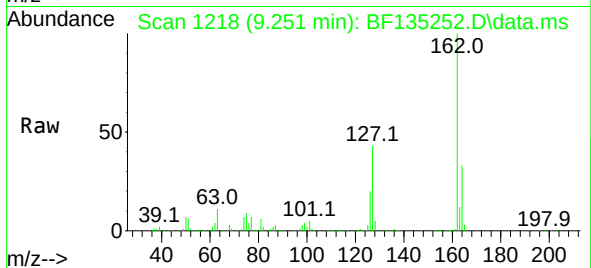
#47  
2-Chloronaphthalene  
Concen: 46.089 ng  
RT: 9.251 min Scan# 1218  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

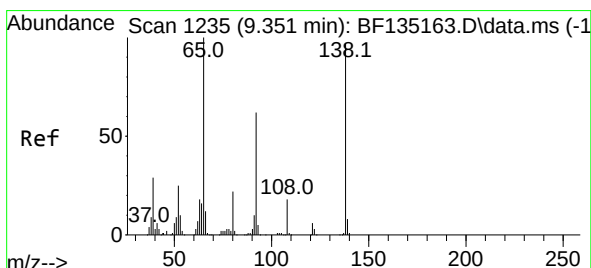
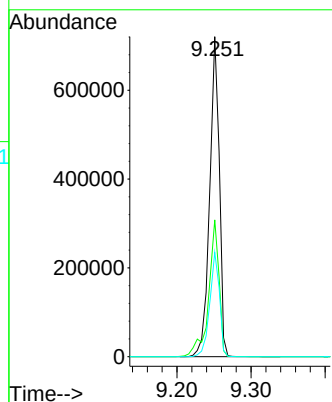
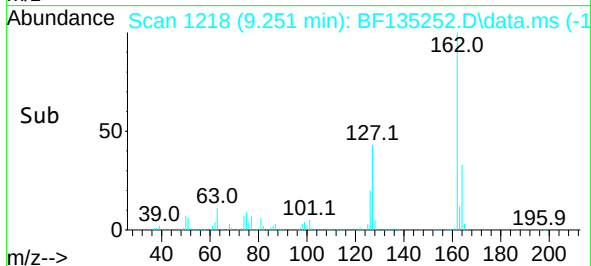


Tgt Ion:162 Resp: 652570  
Ion Ratio Lower Upper  
162 100  
127 42.7 32.6 48.8  
164 32.6 26.2 39.2

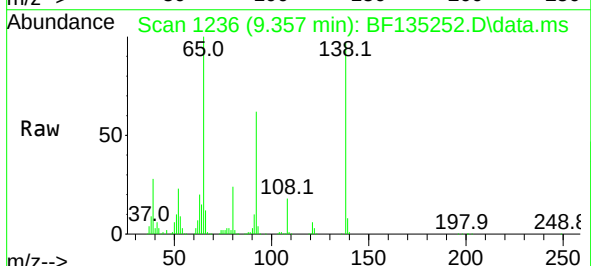
Manual Integrations

APPROVED

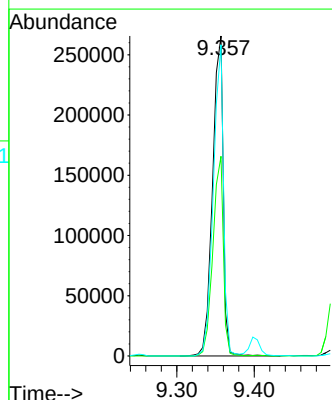
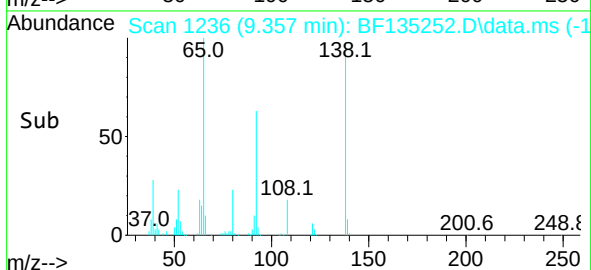
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

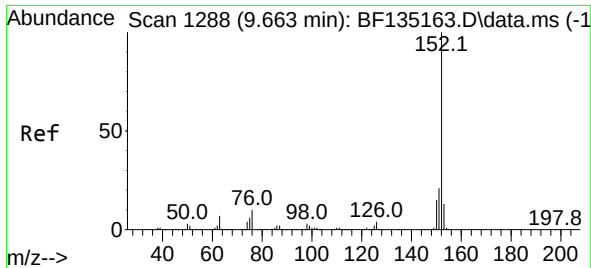


#48  
2-Nitroaniline  
Concen: 46.199 ng  
RT: 9.357 min Scan# 1236  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



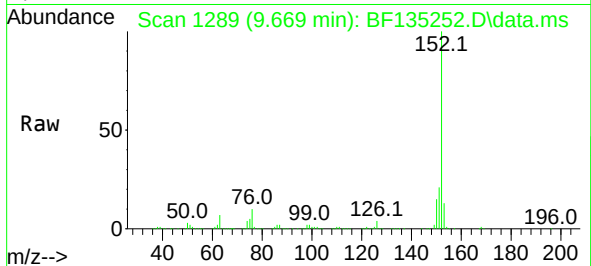
Tgt Ion: 65 Resp: 254128  
Ion Ratio Lower Upper  
65 100  
92 62.4 49.4 74.0  
138 97.3 77.4 116.0





#49  
Acenaphthylene  
Concen: 43.499 ng  
RT: 9.669 min Scan# 1288  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

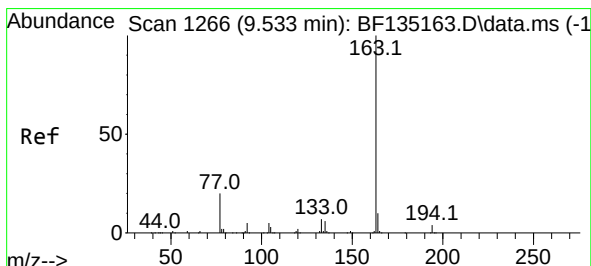
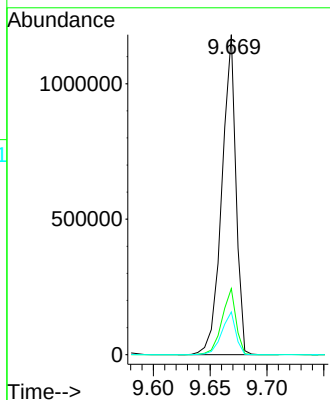
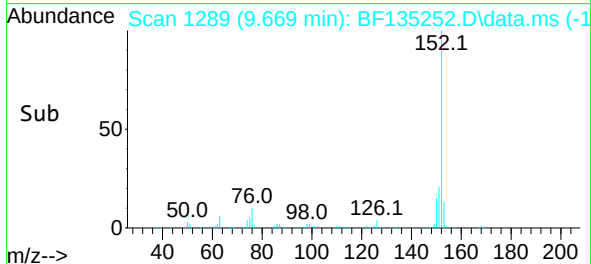
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



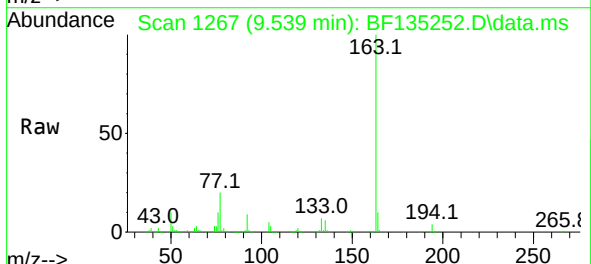
Tgt Ion:152 Resp: 102359  
Ion Ratio Lower Upper  
152 100  
151 20.7 16.4 24.6  
153 13.3 10.4 15.6

Manual Integrations  
APPROVED

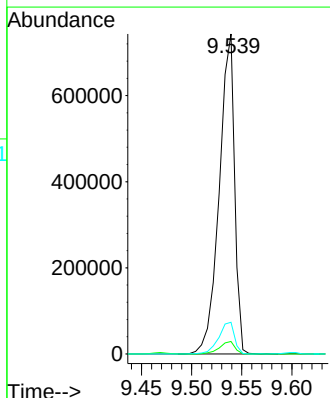
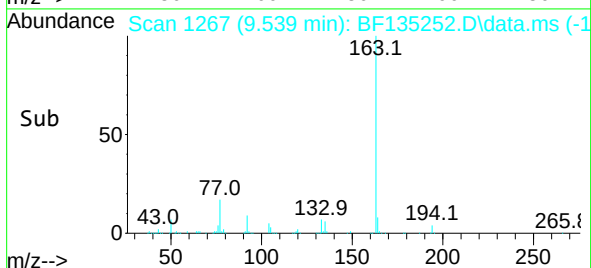
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

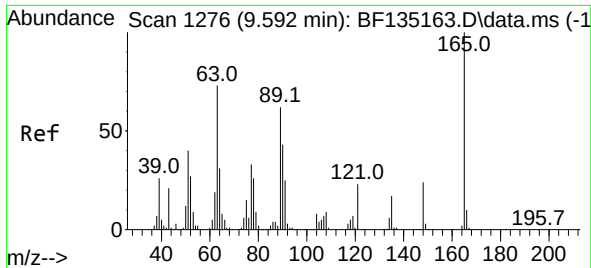


#50  
Dimethylphthalate  
Concen: 45.930 ng  
RT: 9.539 min Scan# 1267  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:163 Resp: 788566  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 9.9 8.1 12.1





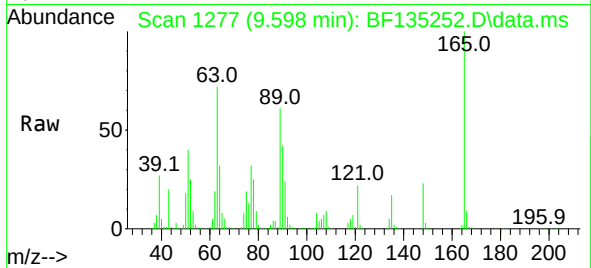
#51  
2,6-Dinitrotoluene  
Concen: 48.305 ng  
RT: 9.598 min Scan# 1276  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

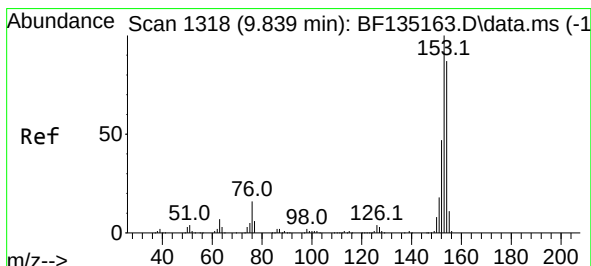
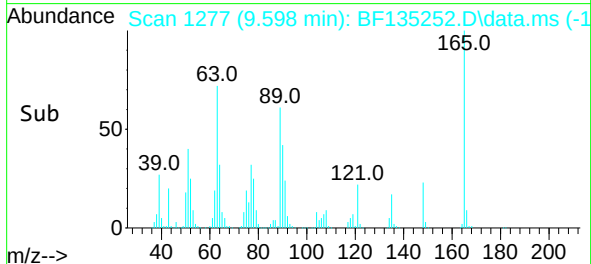
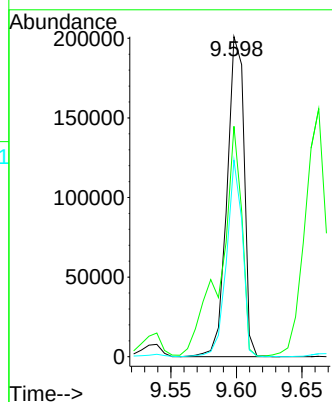


Tgt Ion:165 Resp: 181679  
Ion Ratio Lower Upper  
165 100  
63 72.0 59.4 89.2  
89 61.4 49.8 74.8

Manual Integrations

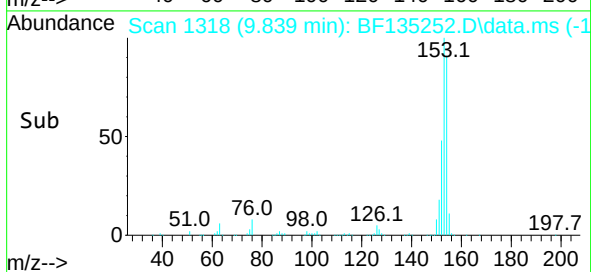
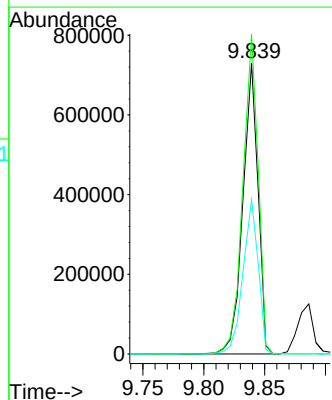
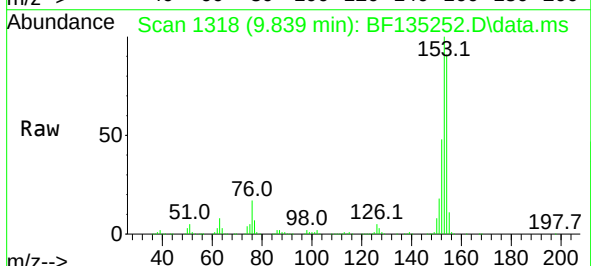
APPROVED

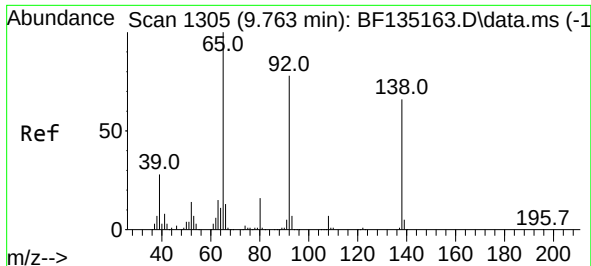
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#52  
Acenaphthene  
Concen: 45.468 ng  
RT: 9.839 min Scan# 1318  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:154 Resp: 632055  
Ion Ratio Lower Upper  
154 100  
153 110.0 92.1 138.1  
152 53.0 43.1 64.7





#53  
3-Nitroaniline  
Concen: 30.528 ng  
RT: 9.769 min Scan# 1305  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

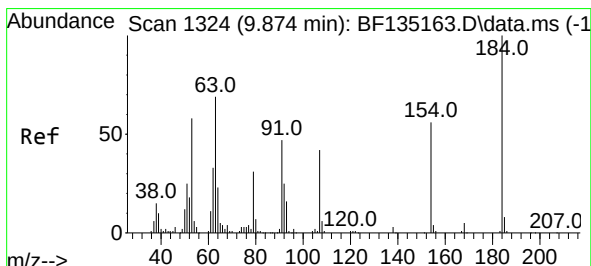
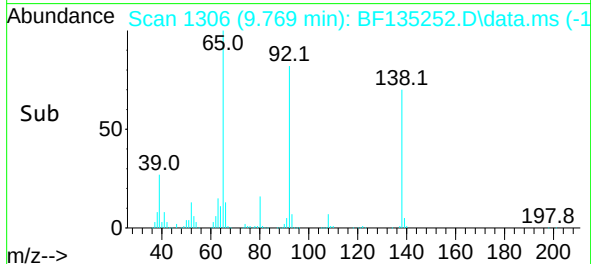
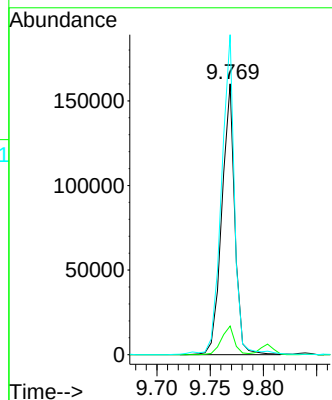
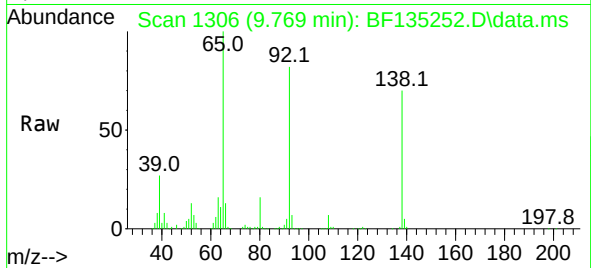
PB154909BS

Tgt Ion:138 Resp: 134778  
Ion Ratio Lower Upper  
138 100  
108 10.6 8.5 12.7  
92 118.2 95.4 143.0

Manual Integrations

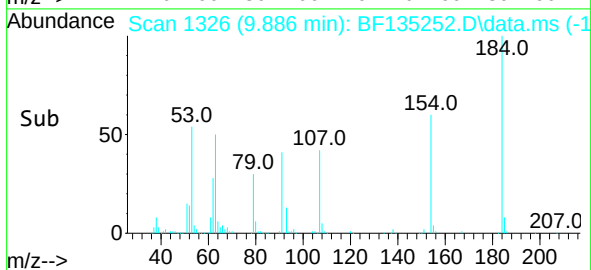
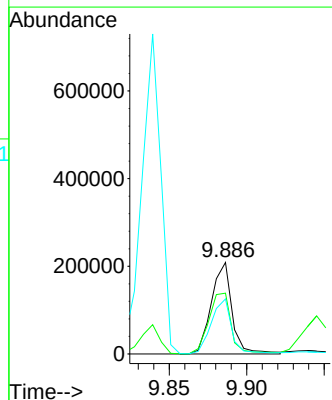
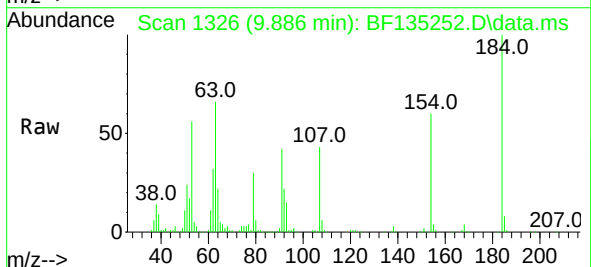
APPROVED

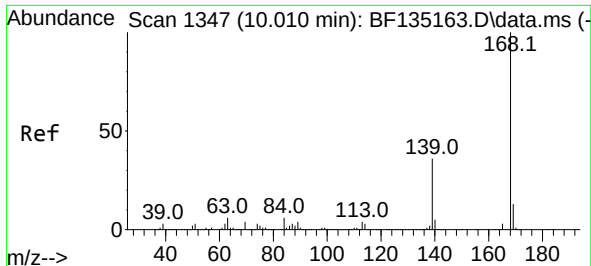
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#54  
2,4-Dinitrophenol  
Concen: 90.262 ng  
RT: 9.886 min Scan# 1326  
Delta R.T. 0.012 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:184 Resp: 194580  
Ion Ratio Lower Upper  
184 100  
63 66.4 55.1 82.7  
154 60.2 48.4 72.6





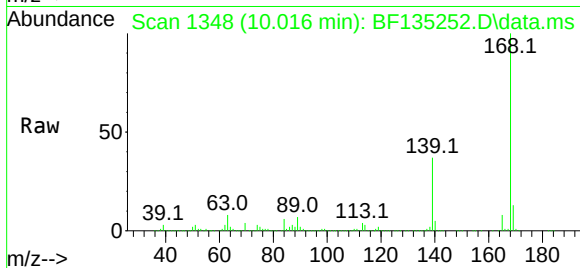
#55  
Dibenzenofuran  
Concen: 43.079 ng  
RT: 10.016 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

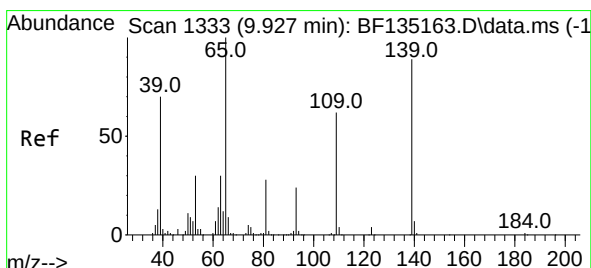
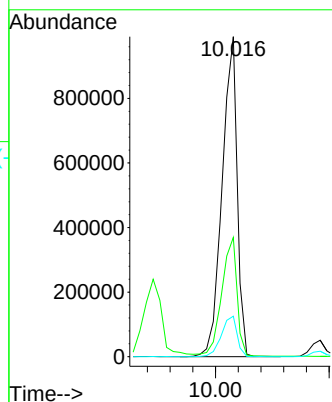


Tgt Ion:168 Resp: 91382  
Ion Ratio Lower Upper  
168 100  
139 37.3 29.0 43.6  
169 12.6 10.4 15.6

Manual Integrations

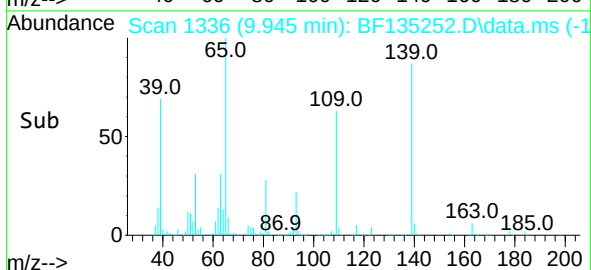
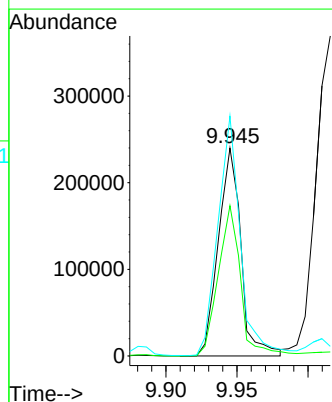
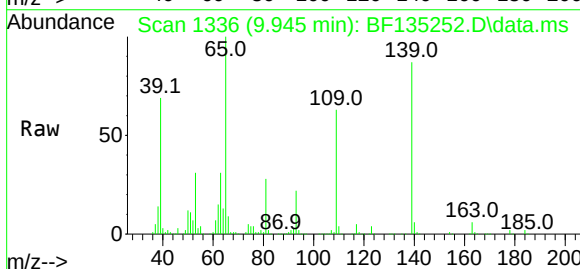
APPROVED

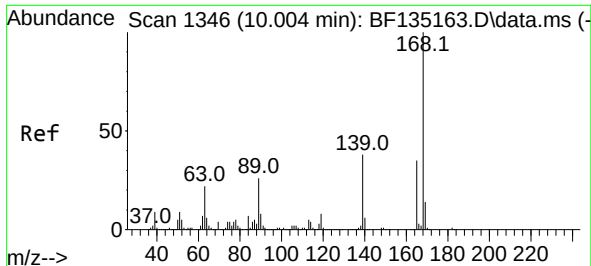
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#56  
4-Nitrophenol  
Concen: 94.529 ng  
RT: 9.945 min Scan# 1336  
Delta R.T. 0.018 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

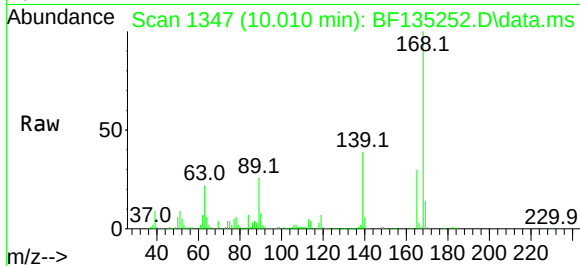
Tgt Ion:139 Resp: 265239  
Ion Ratio Lower Upper  
139 100  
109 72.3 49.8 89.8  
65 115.5 92.7 132.7





#57  
2,4-Dinitrotoluene  
Concen: 44.411 ng  
RT: 10.010 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

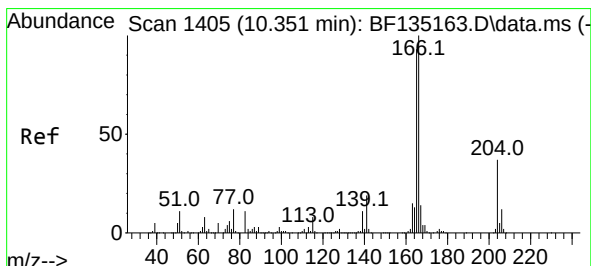
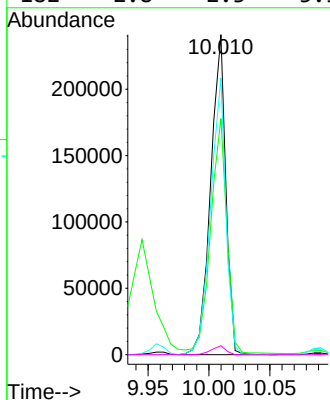
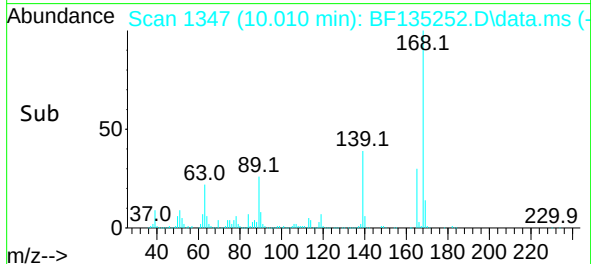
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



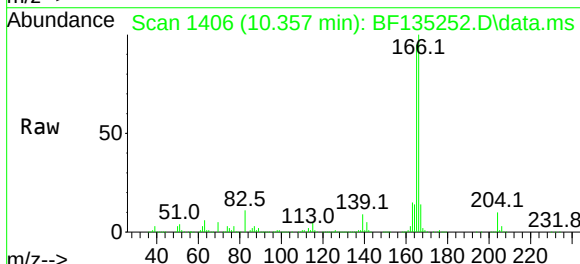
Tgt Ion:165 Resp: 209114  
Ion Ratio Lower Upper  
165 100  
63 73.8 50.1 75.1  
89 86.4 59.3 88.9  
182 2.8 2.3 3.5

Manual Integrations  
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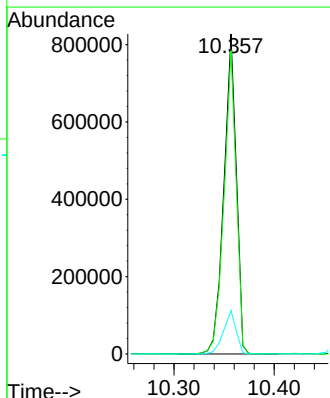
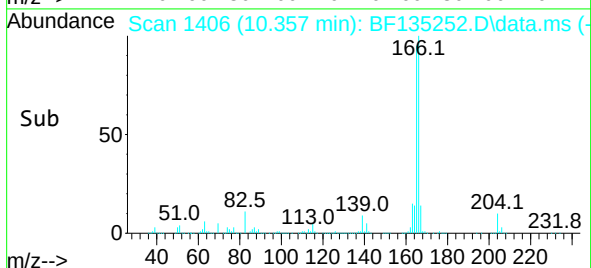
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



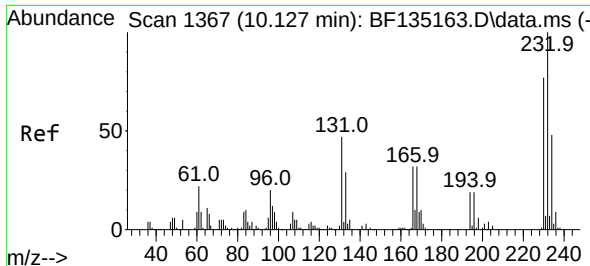
#58  
Fluorene  
Concen: 43.683 ng  
RT: 10.357 min Scan# 1406  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:166 Resp: 712367  
Ion Ratio Lower Upper  
166 100  
165 94.8 74.3 111.5  
167 13.6 10.9 16.3

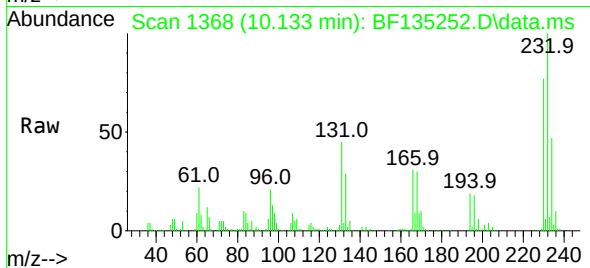






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.446 ng  
RT: 10.133 min Scan# 1367  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

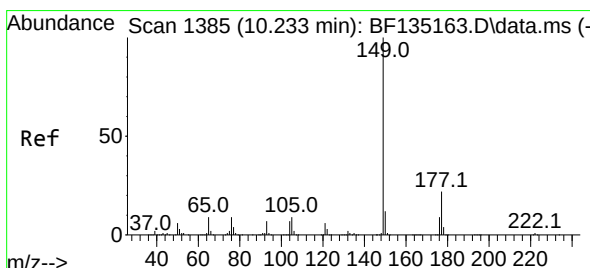
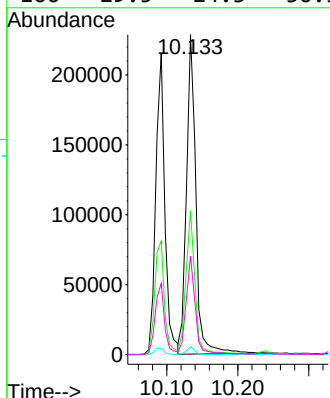
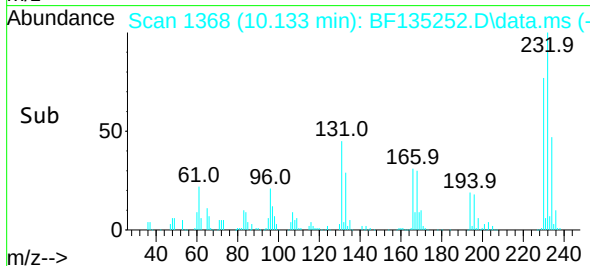
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



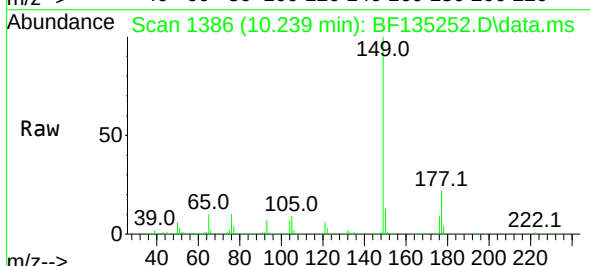
Tgt Ion:232 Resp: 210980  
Ion Ratio Lower Upper  
232 100  
131 42.9 35.4 53.2  
130 2.3 1.8 2.8  
166 29.5 24.3 36.5

Manual Integrations  
APPROVED

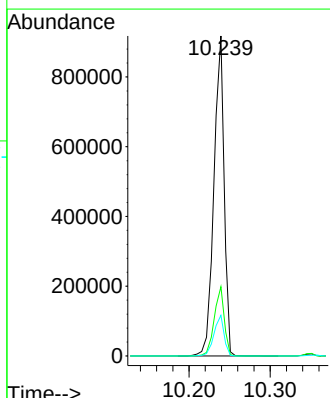
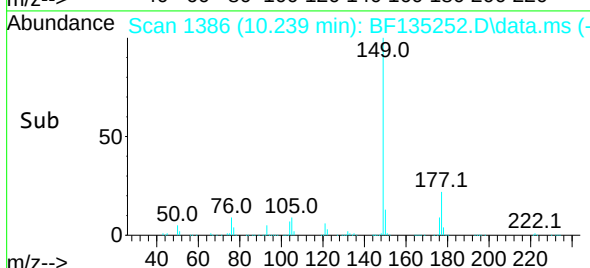
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

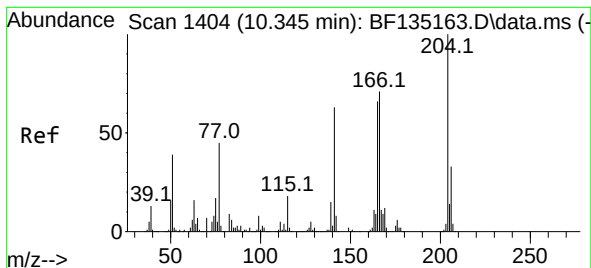


#60  
Diethylphthalate  
Concen: 46.517 ng  
RT: 10.239 min Scan# 1386  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



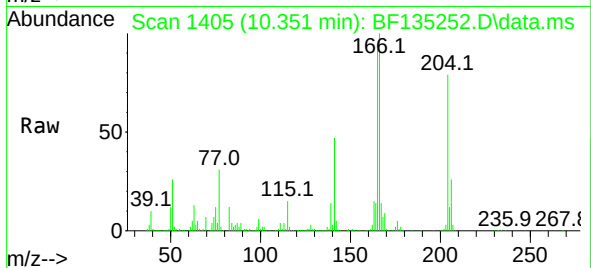
Tgt Ion:149 Resp: 801506  
Ion Ratio Lower Upper  
149 100  
177 21.6 17.8 26.6  
150 12.7 10.0 15.0





#61  
4-Chlorophenyl-phenylether  
Concen: 43.129 ng  
RT: 10.351 min Scan# 1404  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

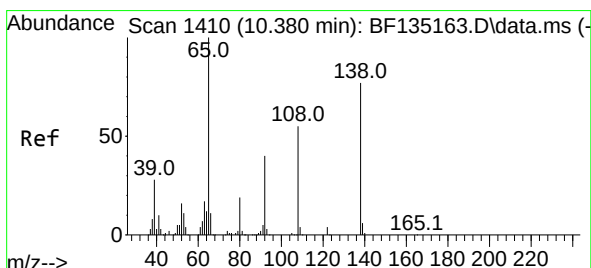
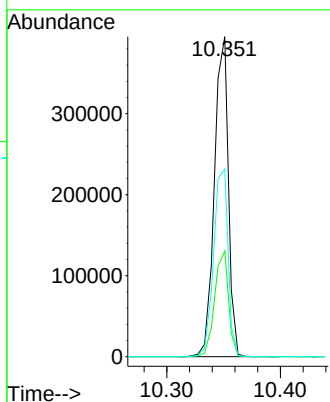
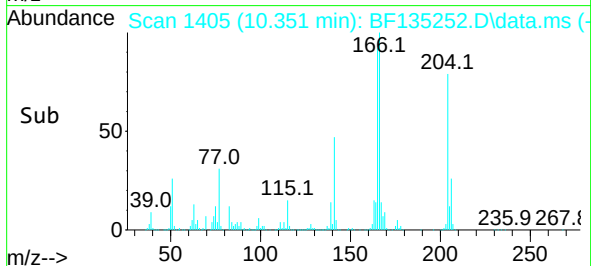
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



Tgt Ion:204 Resp: 33785  
Ion Ratio Lower Upper  
204 100  
206 33.0 26.7 40.1  
141 58.7 50.6 75.8

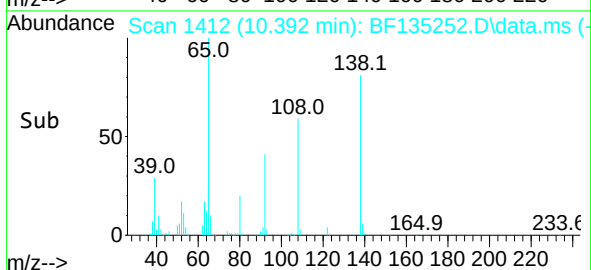
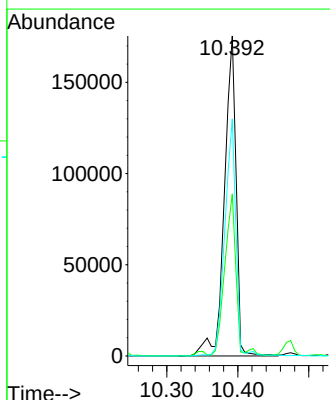
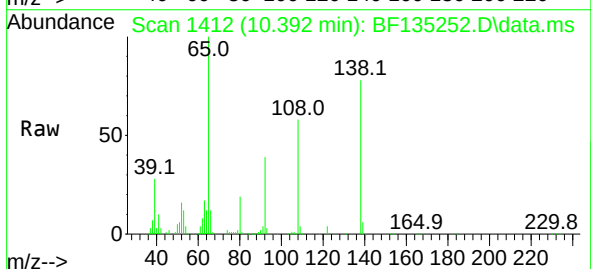
Manual Integrations  
APPROVED

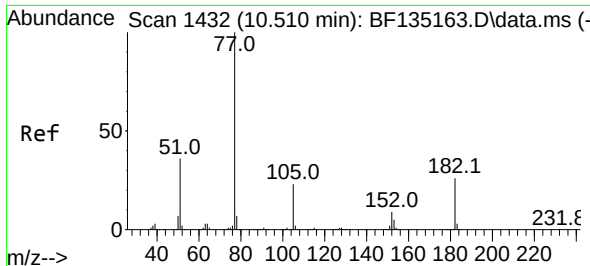
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#62  
4-Nitroaniline  
Concen: 46.971 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. 0.012 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:138 Resp: 199337  
Ion Ratio Lower Upper  
138 100  
92 50.7 31.8 71.8  
108 74.1 52.0 92.0





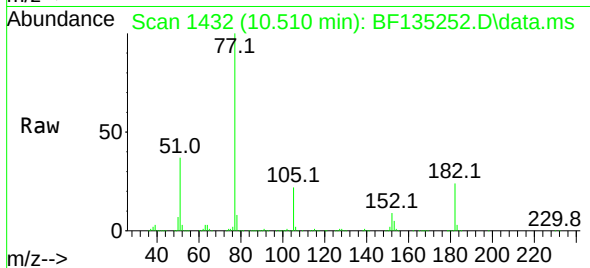
#63  
Azobenzene  
Concen: 45.585 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



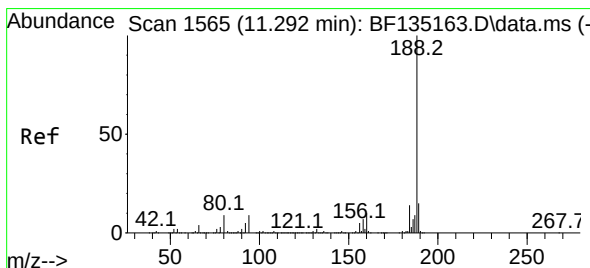
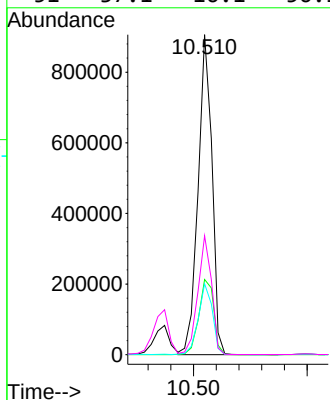
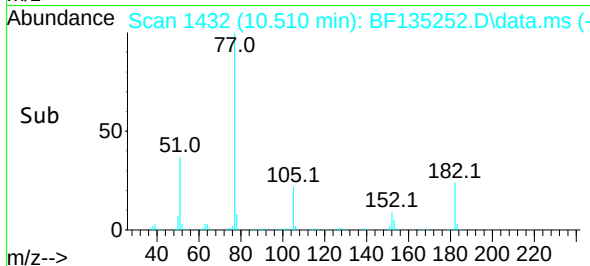
Tgt Ion: 77 Resp: 76870  
Ion Ratio Lower Upper  
77 100  
182 23.5 6.4 46.4  
105 22.1 3.1 43.1  
51 37.1 16.1 56.1

Manual Integrations

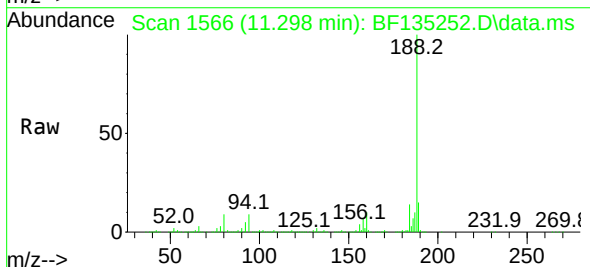
APPROVED

Reviewed By :Yogesh Patel 09/15/2023

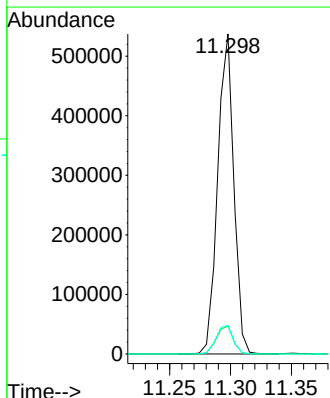
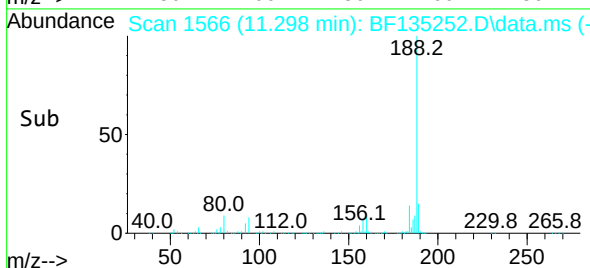
Supervised By :mohammad ahmed 09/15/2023

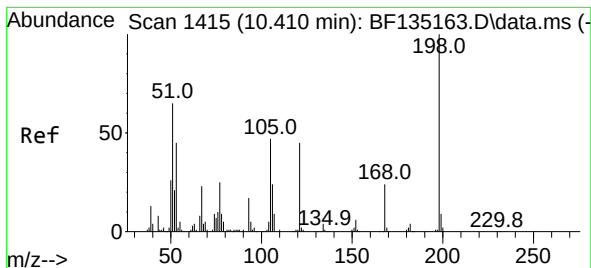


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.298 min Scan# 1566  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:188 Resp: 495256  
Ion Ratio Lower Upper  
188 100  
94 8.8 7.0 10.6  
80 8.9 7.5 11.3





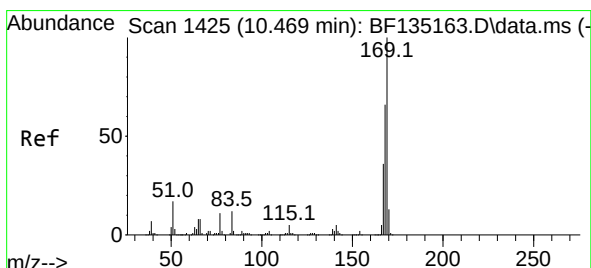
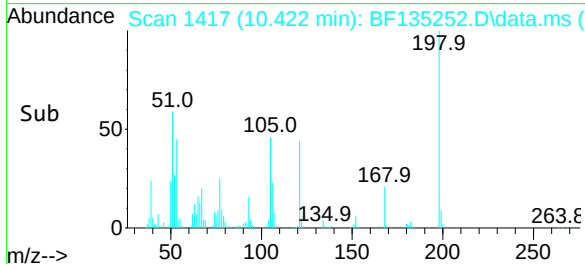
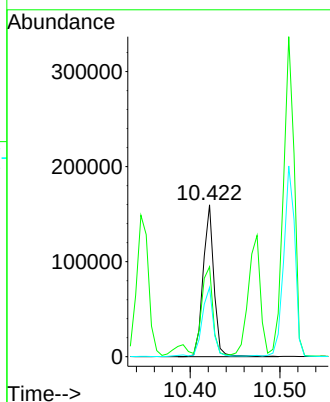
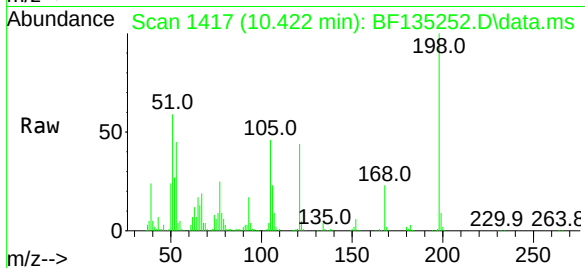
#65  
4,6-Dinitro-2-methylphenol  
Concen: 50.888 ng  
RT: 10.422 min Scan# 1417  
Delta R.T. 0.012 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS

Tgt Ion:198 Resp: 133860  
Ion Ratio Lower Upper  
198 100  
51 59.2 47.7 87.7  
105 45.6 27.4 67.4

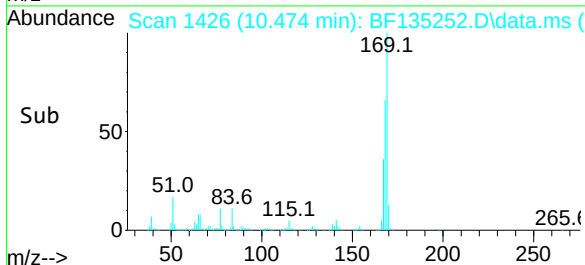
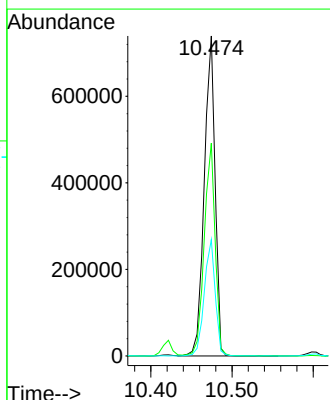
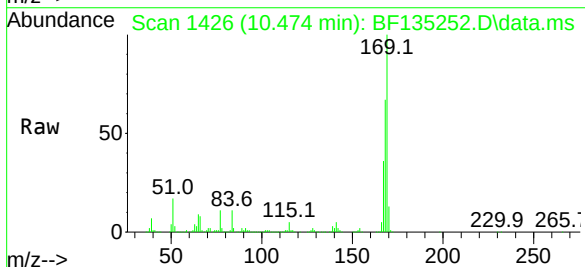
Manual Integrations  
APPROVED

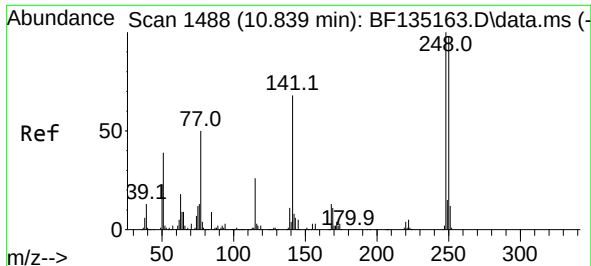
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#66  
n-Nitrosodiphenylamine  
Concen: 45.577 ng  
RT: 10.474 min Scan# 1426  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:169 Resp: 683372  
Ion Ratio Lower Upper  
169 100  
168 66.5 52.8 79.2  
167 36.4 29.0 43.6





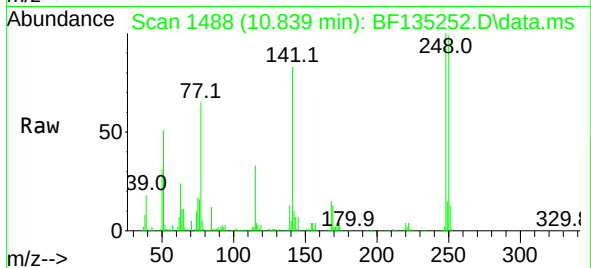
#67  
4-Bromophenyl-phenylether  
Concen: 45.246 ng  
RT: 10.839 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

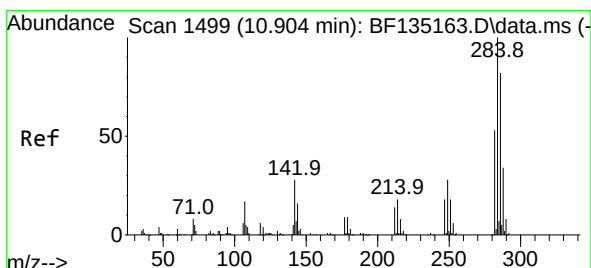
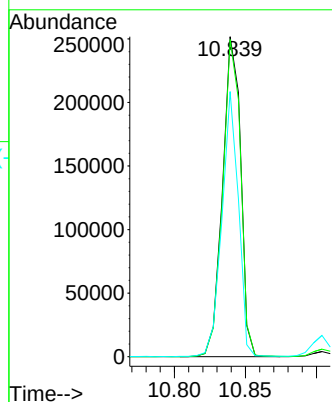
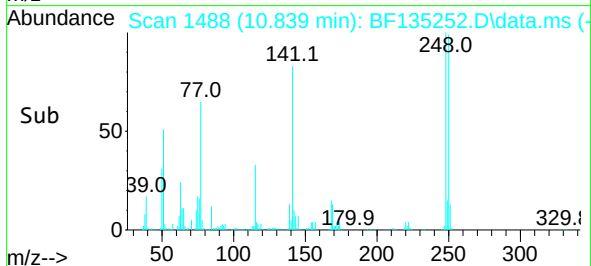


Tgt Ion:248 Resp: 222865  
Ion Ratio Lower Upper  
248 100  
250 99.1 78.6 117.8  
141 82.9 54.2 81.2

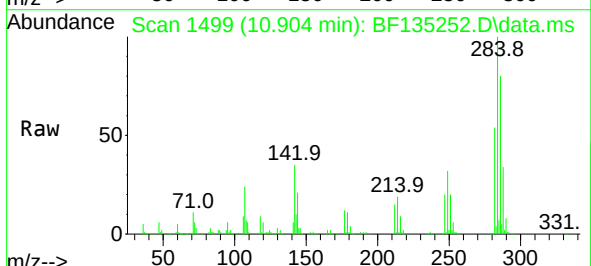
Manual Integrations

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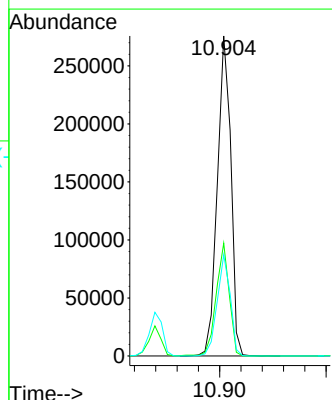
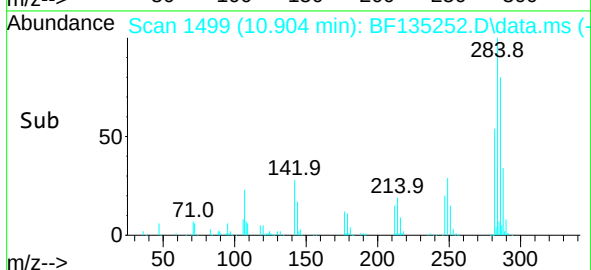
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

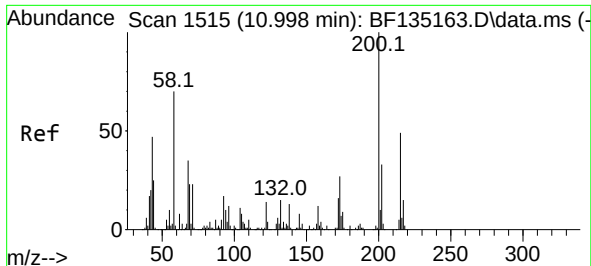


#68  
Hexachlorobenzene  
Concen: 48.148 ng  
RT: 10.904 min Scan# 1499  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



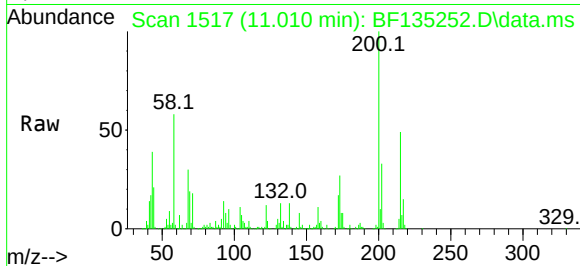
Tgt Ion:284 Resp: 241615  
Ion Ratio Lower Upper  
284 100  
142 35.2 22.2 33.4#  
249 31.6 22.5 33.7





#69  
 Atrazine  
 Concen: 56.783 ng  
 RT: 11.010 min Scan# 1517  
 Delta R.T. 0.012 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05

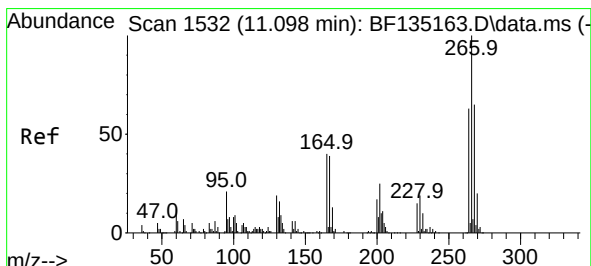
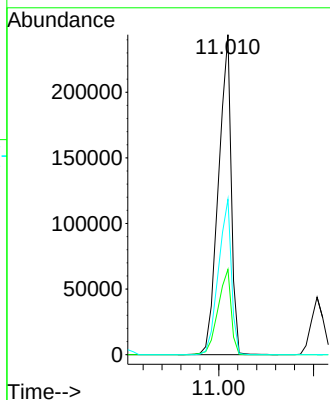
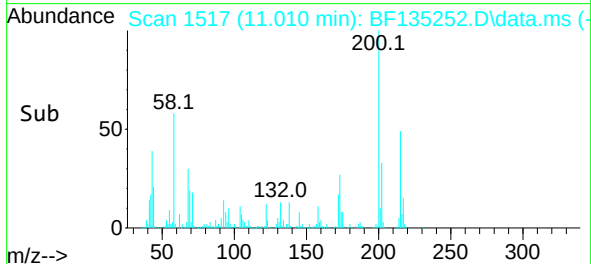
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB154909BS



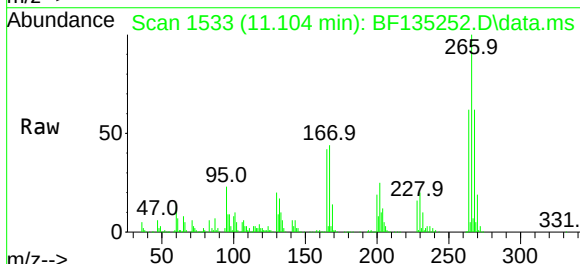
Tgt Ion:200 Resp: 229085  
 Ion Ratio Lower Upper  
 200 100  
 173 26.6 7.4 47.4  
 215 48.6 28.6 68.6

Manual Integrations  
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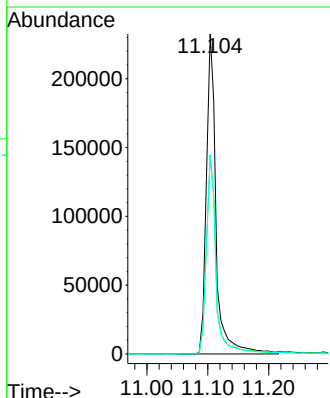
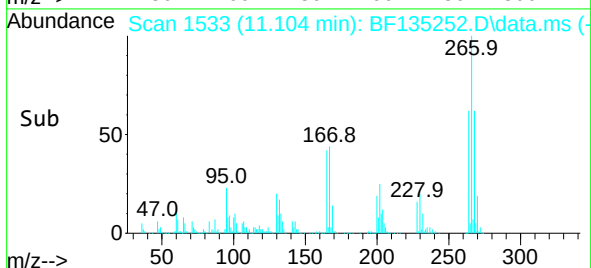
Reviewed By :Yogesh Patel 09/15/2023  
 Supervised By :mohammad ahmed 09/15/2023

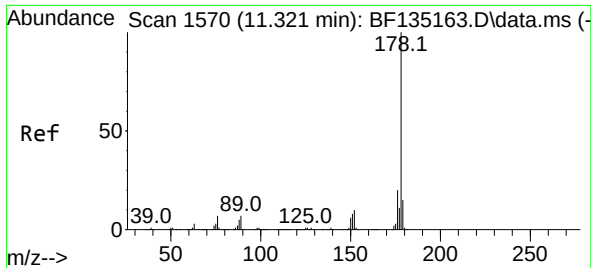


#70  
 Pentachlorophenol  
 Concen: 85.791 ng  
 RT: 11.104 min Scan# 1533  
 Delta R.T. 0.006 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05



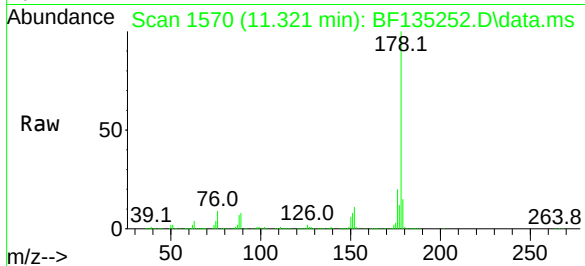
Tgt Ion:266 Resp: 257574  
 Ion Ratio Lower Upper  
 266 100  
 268 62.1 52.1 78.1  
 264 62.3 50.8 76.2





#71  
Phenanthrene  
Concen: 45.970 ng  
RT: 11.321 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

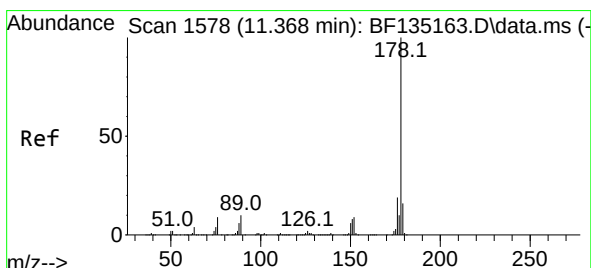
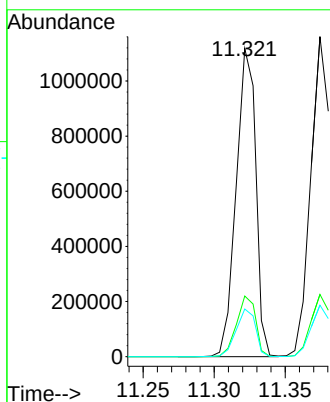
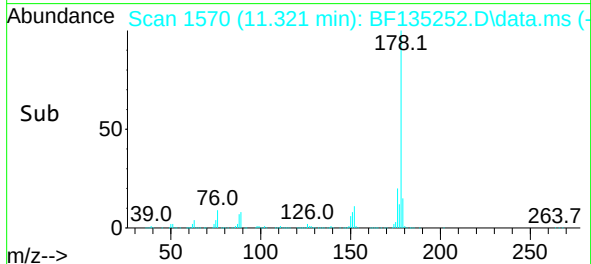
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



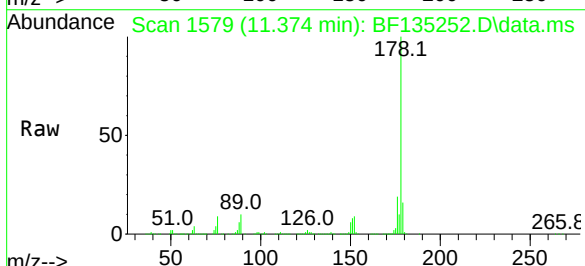
Tgt Ion:178 Resp: 1076780  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.6 23.4  
179 15.5 12.0 18.0

Manual Integrations  
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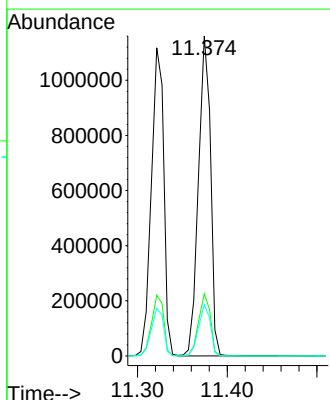
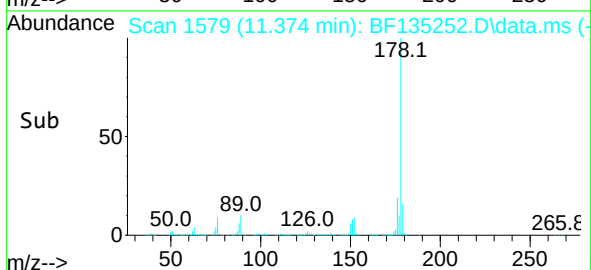
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

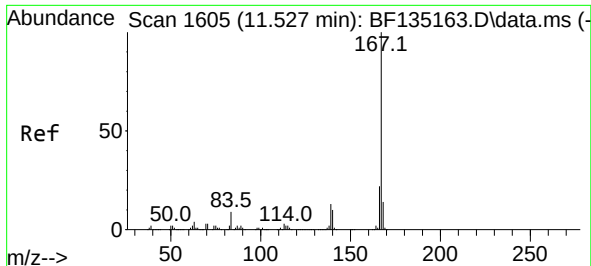


#72  
Anthracene  
Concen: 45.189 ng  
RT: 11.374 min Scan# 1579  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



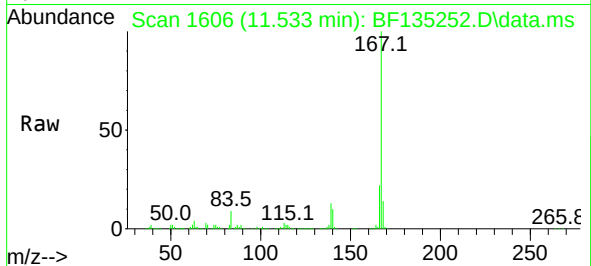
Tgt Ion:178 Resp: 1087996  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.4 23.2  
179 16.1 12.6 19.0





#73  
Carbazole  
Concen: 47.659 ng  
RT: 11.533 min Scan# 1606  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

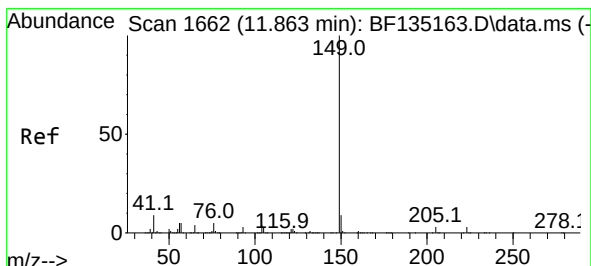
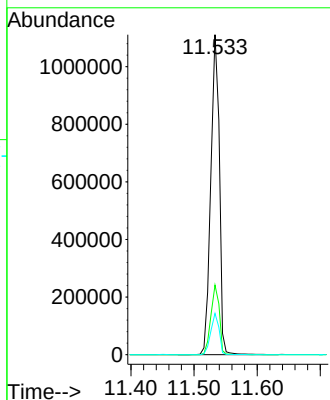
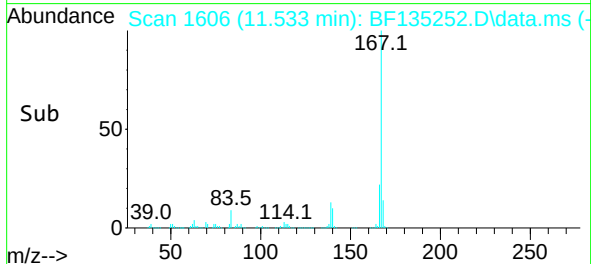
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



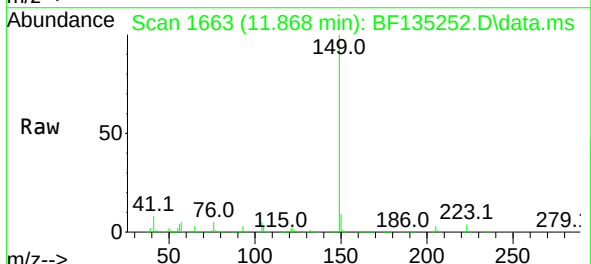
Tgt Ion:167 Resp: 1044579  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.4 26.0  
139 12.9 10.6 15.8

Manual Integrations  
APPROVED

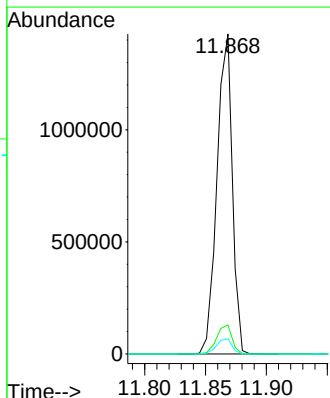
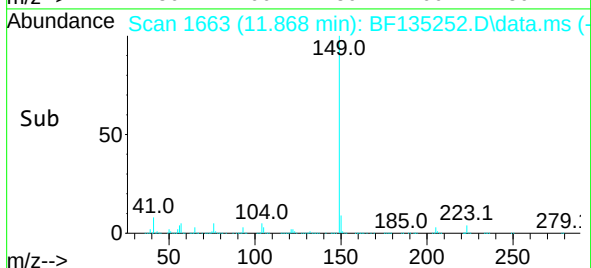
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



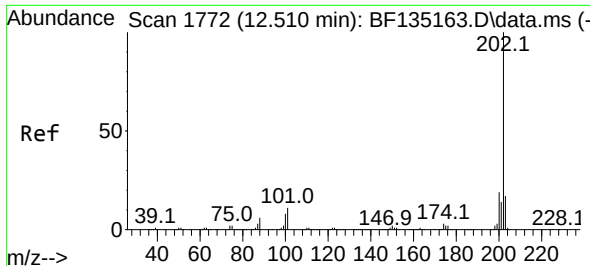
#74  
Di-n-butylphthalate  
Concen: 48.613 ng  
RT: 11.868 min Scan# 1663  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:149 Resp: 1255501  
Ion Ratio Lower Upper  
149 100  
150 9.1 7.4 11.0  
104 4.8 3.6 5.4

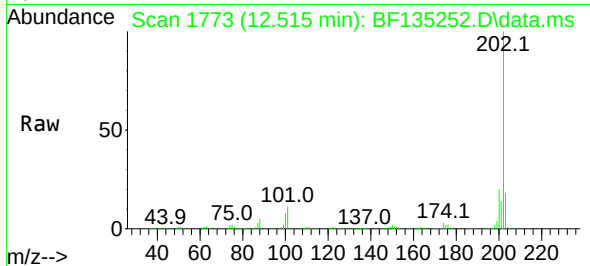






#75  
Fluoranthene  
Concen: 47.501 ng  
RT: 12.515 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

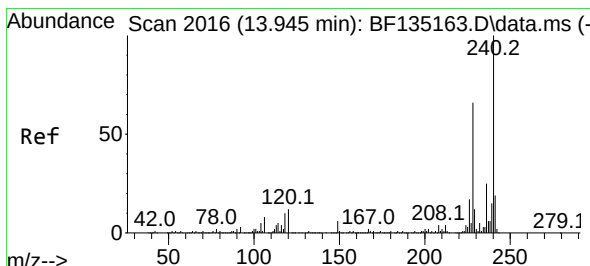
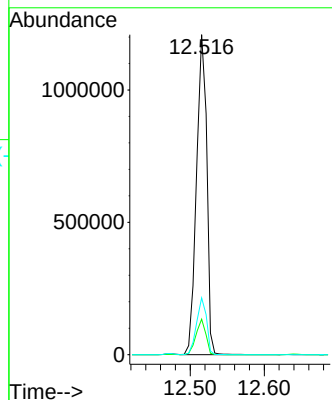
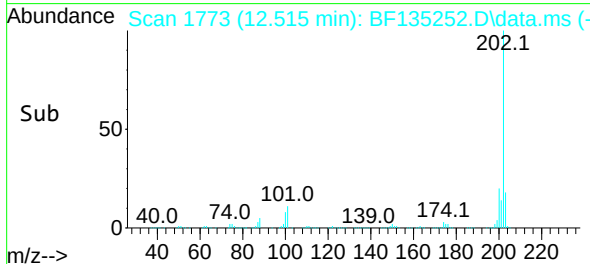
Instrument :  
BNA\_F  
ClientSampleId :  
PB154909BS



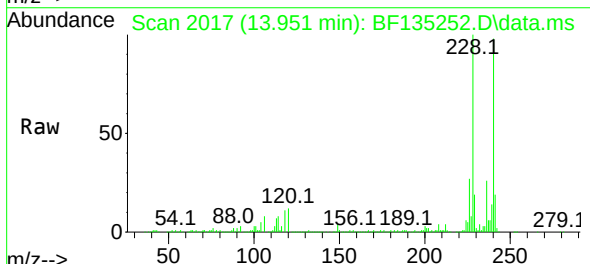
Tgt Ion:202 Resp: 1159352  
Ion Ratio Lower Upper  
202 100  
101 11.1 0.0 31.3  
203 17.8 0.0 37.4

Manual Integrations  
APPROVED

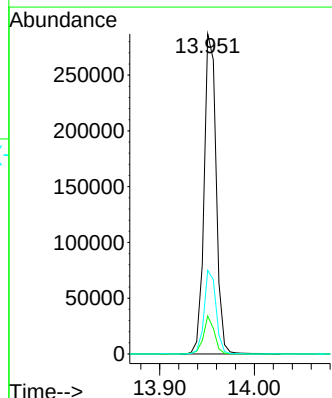
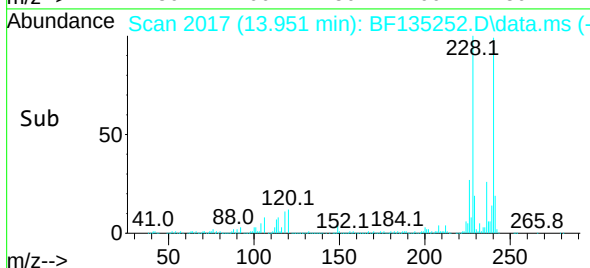
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

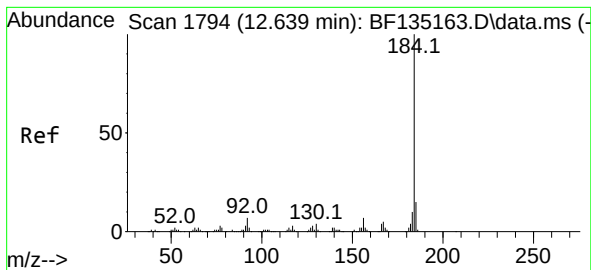


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.951 min Scan# 2017  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:240 Resp: 254422  
Ion Ratio Lower Upper  
240 100  
120 11.9 9.4 14.2  
236 26.1 19.8 29.8





#77

Benzidine

Concen: 64.195 ng

RT: 12.639 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

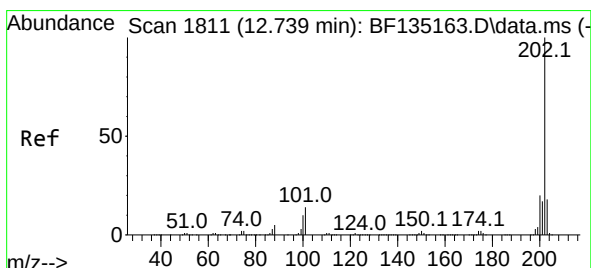
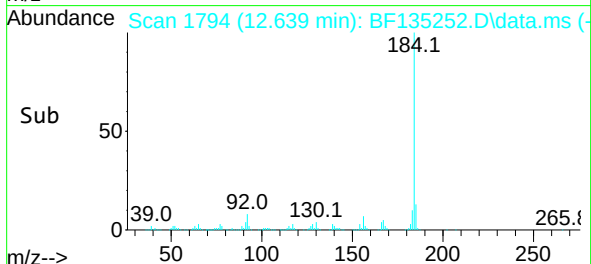
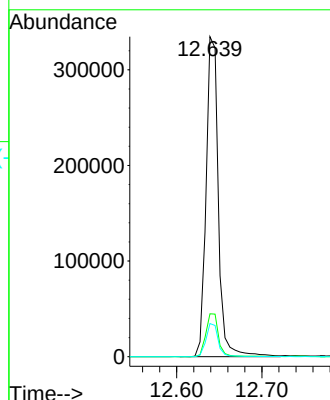
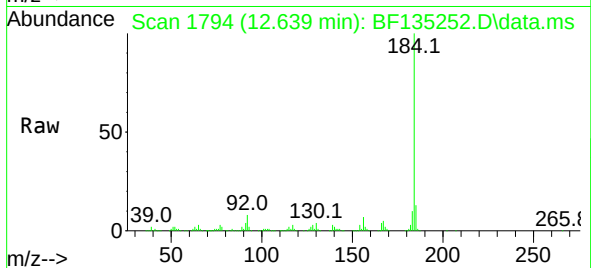
|             |             |
|-------------|-------------|
| Tgt Ion:184 | Resp: 33460 |
| Ion Ratio   | Lower Upper |
| 184 100     |             |
| 185 13.4    | 11.7 17.5   |
| 183 10.3    | 8.2 12.4    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#78

Pyrene

Concen: 47.684 ng

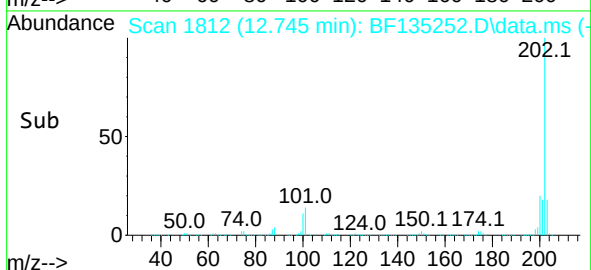
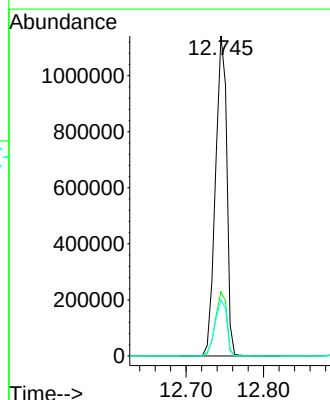
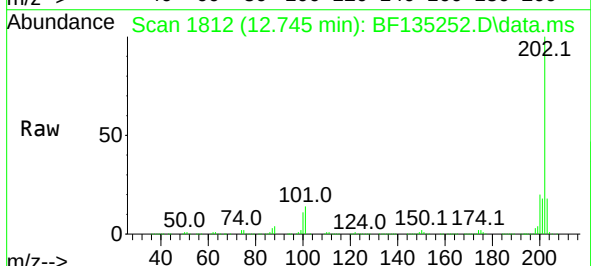
RT: 12.745 min Scan# 1812

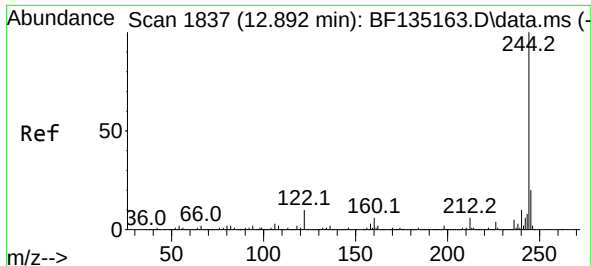
Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

|             |               |
|-------------|---------------|
| Tgt Ion:202 | Resp: 1155046 |
| Ion Ratio   | Lower Upper   |
| 202 100     |               |
| 200 20.0    | 16.2 24.2     |
| 203 17.5    | 14.2 21.4     |





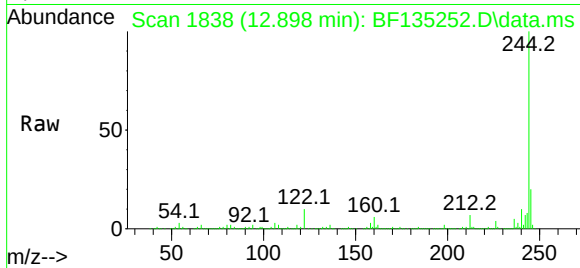
#79  
 Terphenyl-d14  
 Concen: 93.062 ng  
 RT: 12.898 min Scan# 1838  
 Delta R.T. 0.006 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

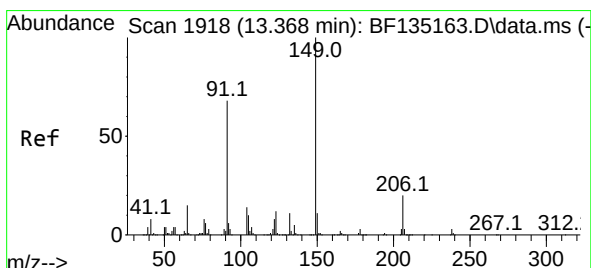
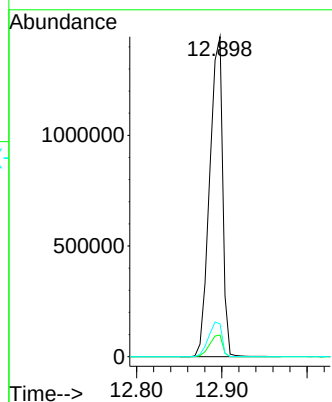
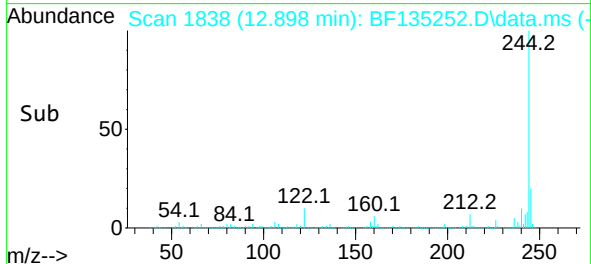


Tgt Ion:244 Resp: 152736  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.1 7.7  
 122 10.3 7.9 11.9

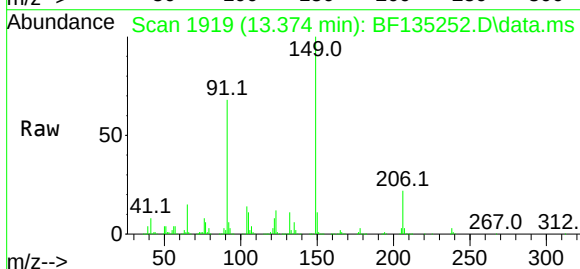
Manual Integrations

APPROVED

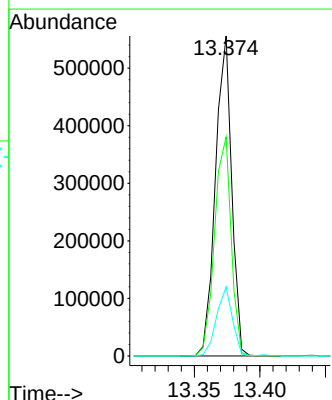
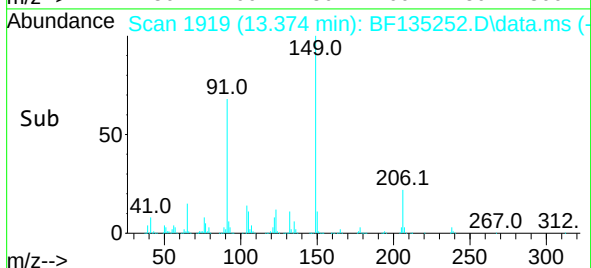
Reviewed By :Yogesh Patel 09/15/2023  
 Supervised By :mohammad ahmed 09/15/2023

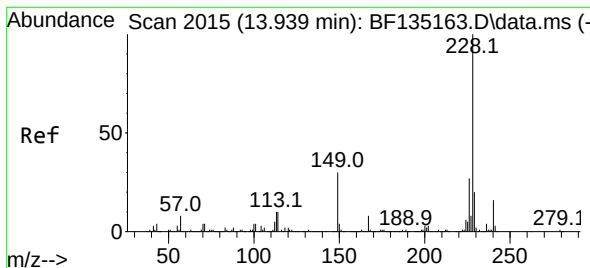


#80  
 Butylbenzylphthalate  
 Concen: 55.974 ng  
 RT: 13.374 min Scan# 1919  
 Delta R.T. 0.006 min  
 Lab File: BF135252.D  
 Acq: 14 Sep 2023 14:05



Tgt Ion:149 Resp: 477370  
 Ion Ratio Lower Upper  
 149 100  
 91 68.4 54.7 82.1  
 206 21.6 16.3 24.5





#81

Benzo(a)anthracene

Concen: 45.533 ng

RT: 13.945 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF135252.D

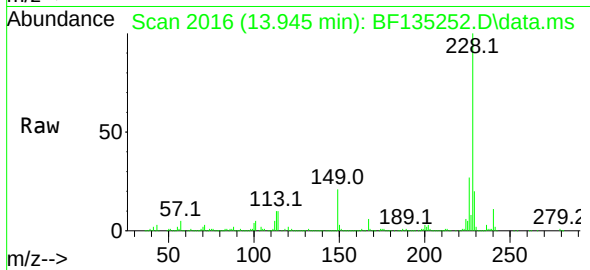
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS



Tgt Ion:228 Resp: 74805

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

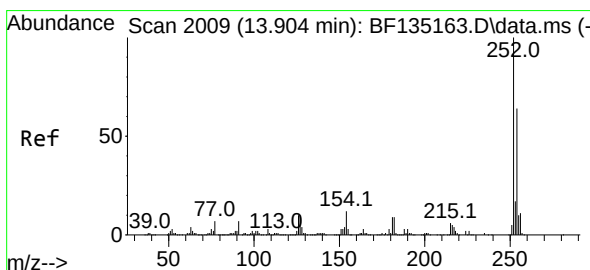
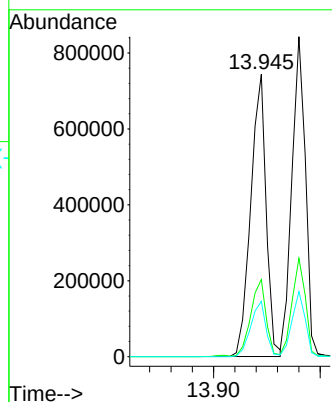
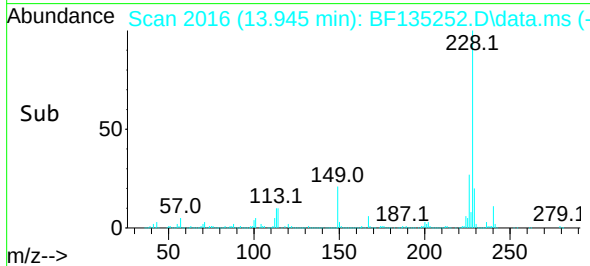
229 19.6 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#82

3,3'-Dichlorobenzidine

Concen: 34.268 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

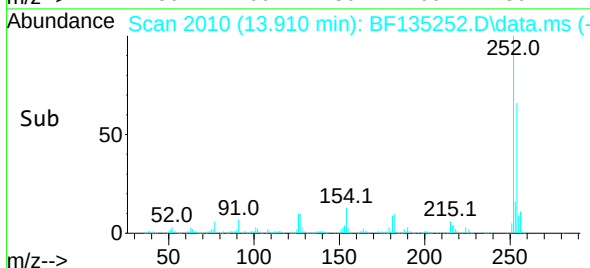
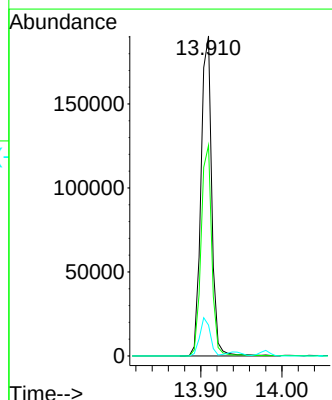
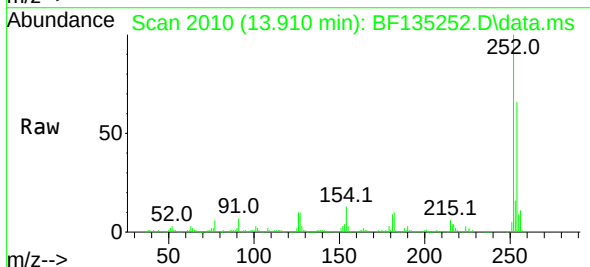
Tgt Ion:252 Resp: 175847

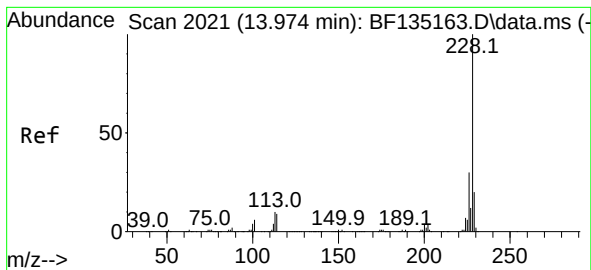
Ion Ratio Lower Upper

252 100

254 65.8 51.0 76.4

126 9.7 7.8 11.8





#83

Chrysene

Concen: 45.833 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

Tgt Ion:228 Resp: 748632

Ion Ratio Lower Upper

228 100

226 30.8 24.3 36.5

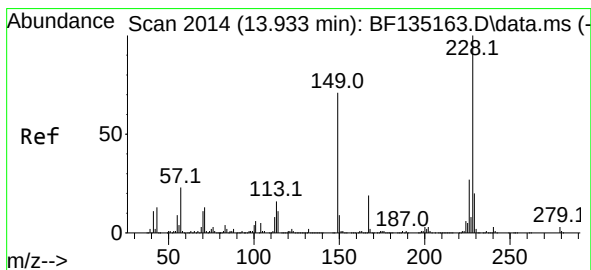
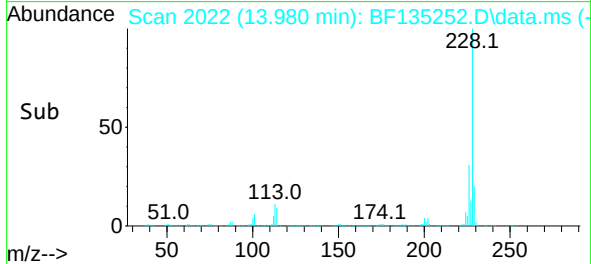
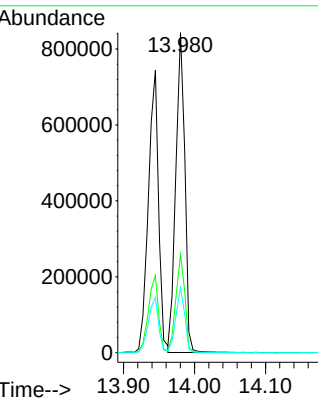
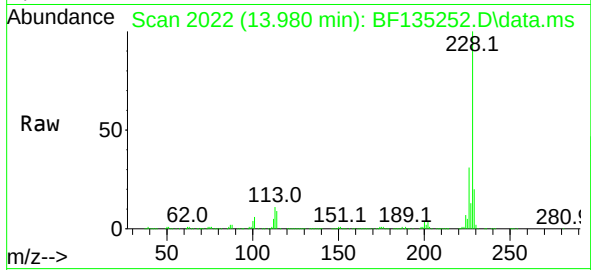
229 20.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 63.779 ng

RT: 13.933 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

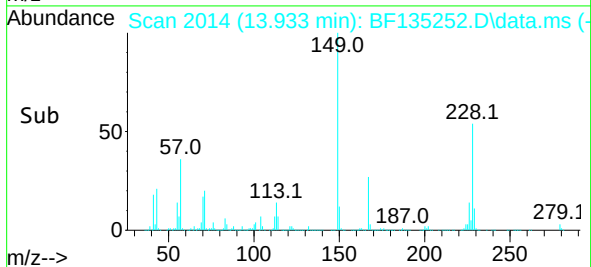
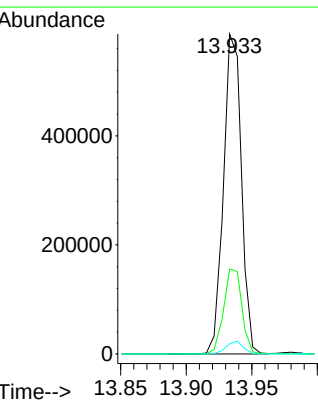
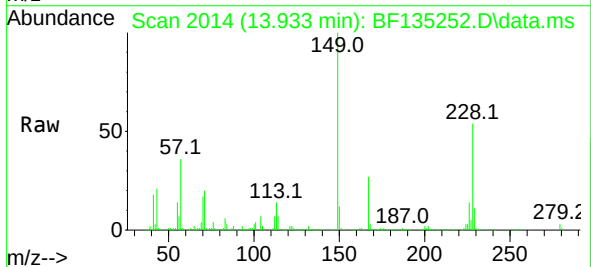
Tgt Ion:149 Resp: 558176

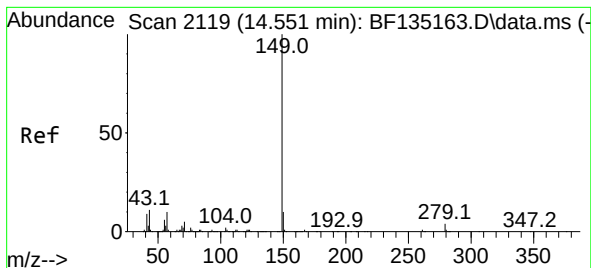
Ion Ratio Lower Upper

149 100

167 26.5 21.9 32.9

279 3.2 3.3 4.9#





#85

Di-n-octyl phthalate

Concen: 60.698 ng

RT: 14.551 min Scan# 2119

Delta R.T. 0.000 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

Tgt Ion:149 Resp: 844204

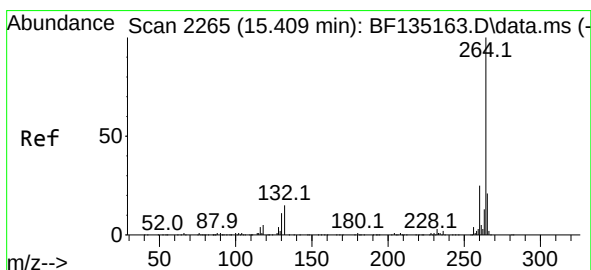
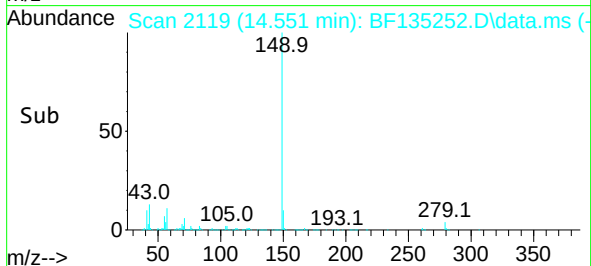
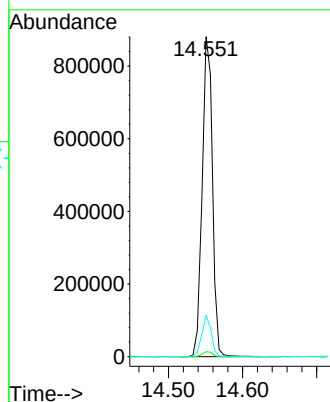
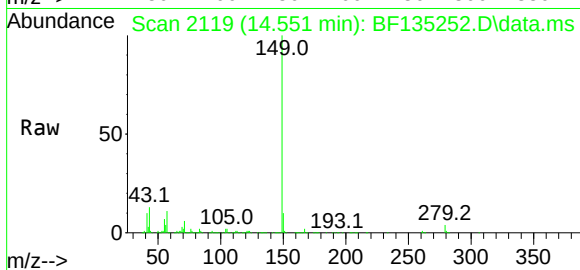
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 1.6   | 1.1   | 1.7   |
| 43  | 11.9  | 9.8   | 14.6  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 2266

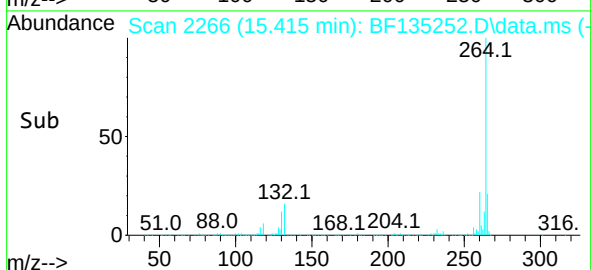
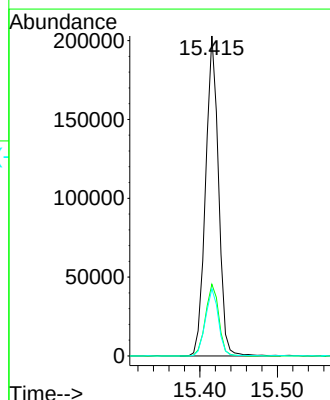
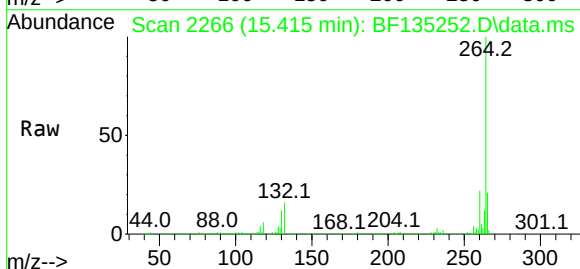
Delta R.T. 0.006 min

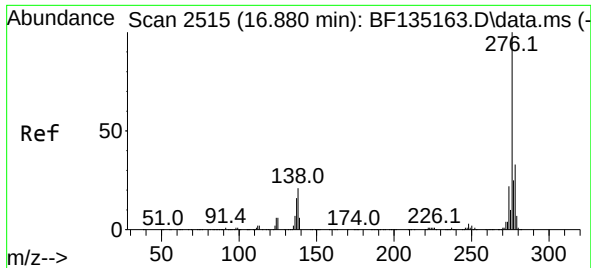
Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Tgt Ion:264 Resp: 235204

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.4  | 19.8  | 29.6  |
| 265 | 21.0  | 17.0  | 25.4  |





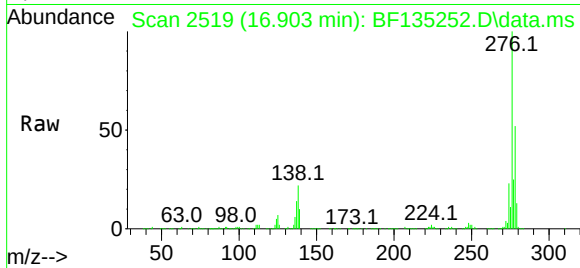
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 49.694 ng  
RT: 16.903 min Scan# 2119  
Delta R.T. 0.024 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

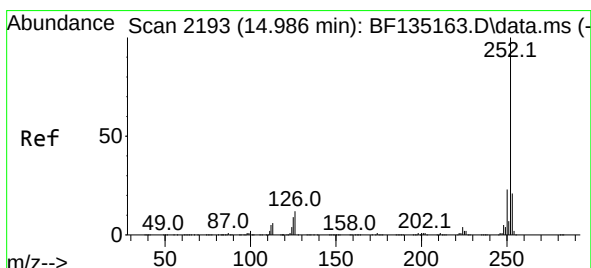
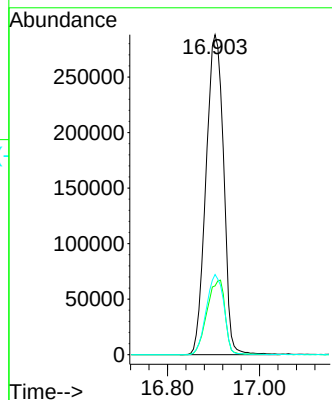
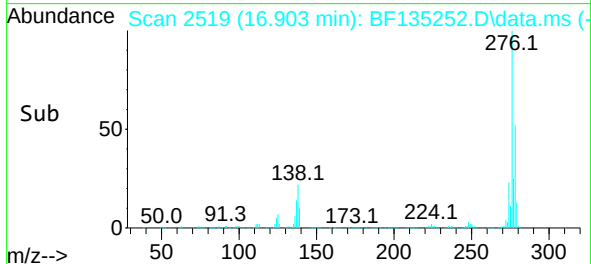


Tgt Ion:276 Resp: 76635  
Ion Ratio Lower Upper  
276 100  
138 23.9 19.2 28.8  
277 25.1 19.7 29.5

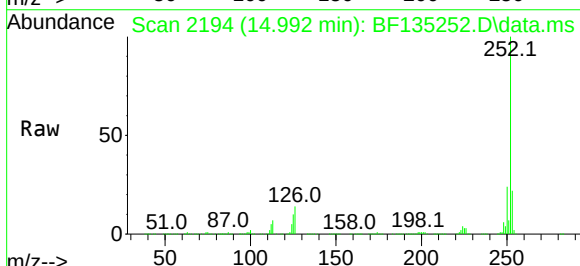
Manual Integrations

APPROVED

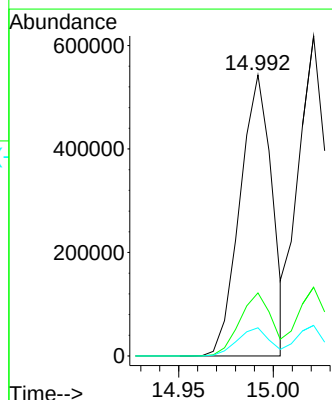
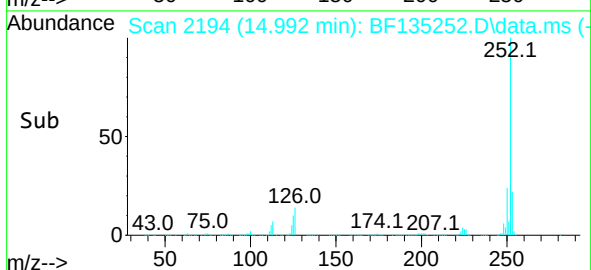
Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023

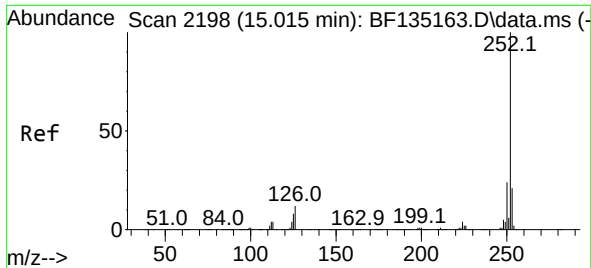


#88  
Benzo(b)fluoranthene  
Concen: 50.285 ng  
RT: 14.992 min Scan# 2194  
Delta R.T. 0.006 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05



Tgt Ion:252 Resp: 640247  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.2 25.8  
125 10.0 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 50.379 ng

RT: 15.021 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

ClientSampleId :

PB154909BS

Tgt Ion:252 Resp: 63363

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

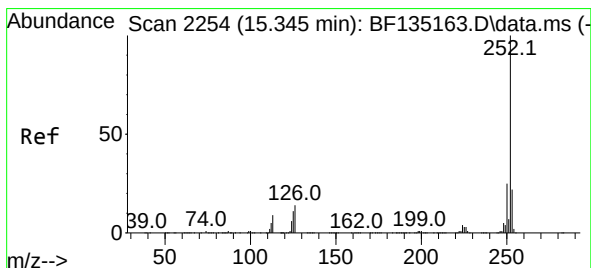
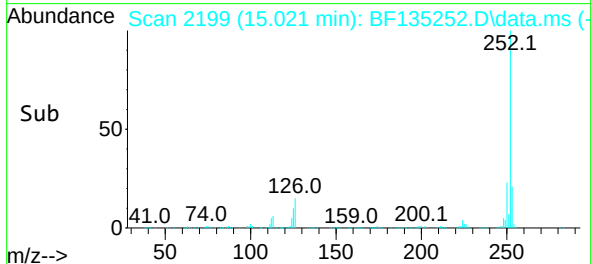
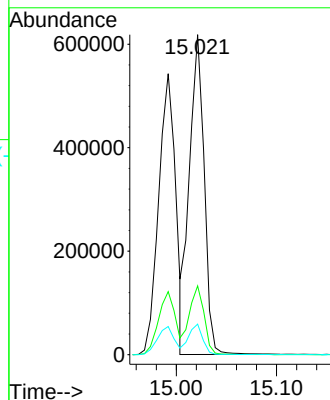
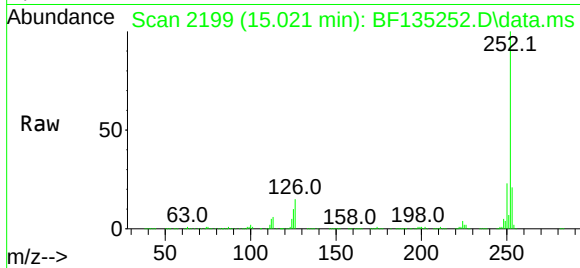
125 9.6 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/15/2023

Supervised By :mohammad ahmed 09/15/2023



#90

Benzo(a)pyrene

Concen: 47.665 ng

RT: 15.357 min Scan# 2256

Delta R.T. 0.012 min

Lab File: BF135252.D

Acq: 14 Sep 2023 14:05

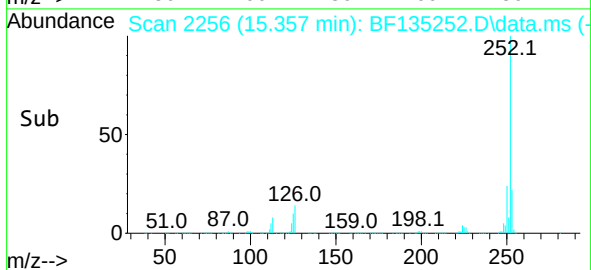
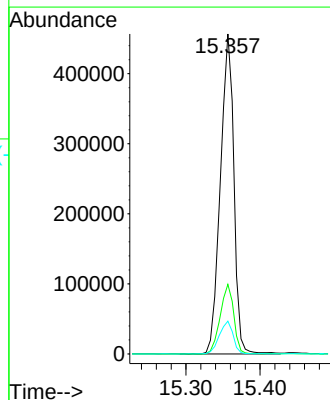
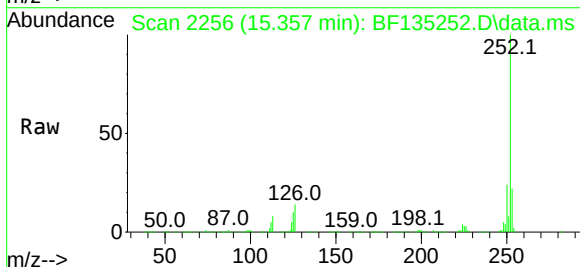
Tgt Ion:252 Resp: 578749

Ion Ratio Lower Upper

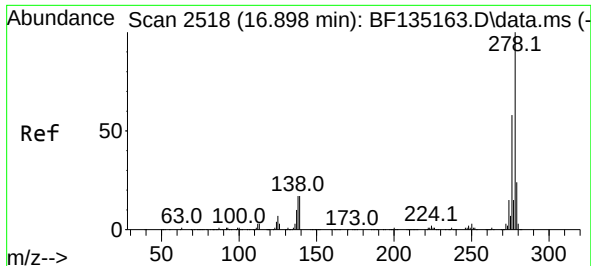
252 100

253 21.8 17.5 26.3

125 10.3 9.2 13.8







#91  
Dibenzo(a,h)anthracene  
Concen: 49.193 ng  
RT: 16.921 min Scan# 2522  
Delta R.T. 0.024 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Instrument :

BNA\_F

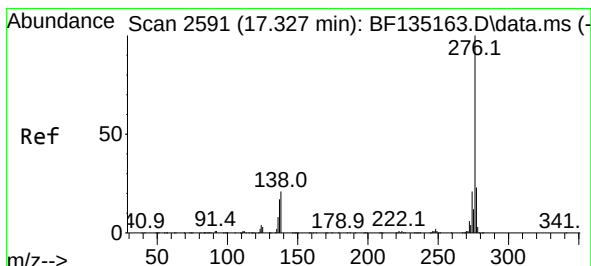
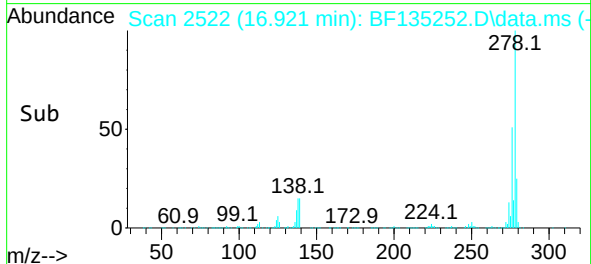
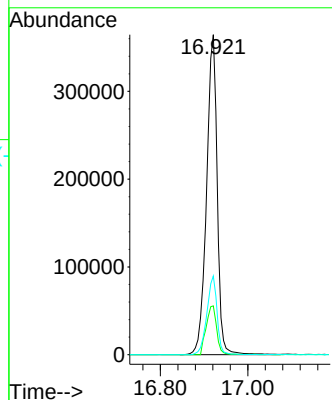
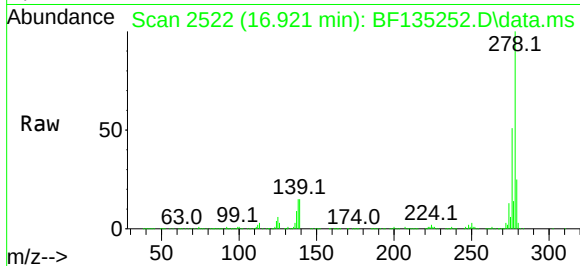
ClientSampleId :

PB154909BS

Tgt Ion:278 Resp: 62072  
Ion Ratio Lower Upper  
278 100  
139 15.3 13.4 20.0  
279 24.6 19.0 28.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 09/15/2023  
Supervised By :mohammad ahmed 09/15/2023



#92  
Benzo(g,h,i)perylene  
Concen: 47.724 ng  
RT: 17.350 min Scan# 2595  
Delta R.T. 0.024 min  
Lab File: BF135252.D  
Acq: 14 Sep 2023 14:05

Tgt Ion:276 Resp: 628904  
Ion Ratio Lower Upper  
276 100  
277 24.4 18.8 28.2  
138 21.0 16.9 25.3

