

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082923\  
 Data File : BF134982.D  
 Acq On : 29 Aug 2023 14:08  
 Operator : CG\JU  
 Sample : PB155132BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155132BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 08/30/2023  
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 29 22:25:10 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF082223.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 28 02:45:19 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 108148   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 446175   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.822  | 164  | 229713   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10          | 11.316 | 188  | 442279   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 13.968 | 240  | 214924   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 15.439 | 264  | 218267   | 20.000  | ng    | -0.01    |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 876531   | 129.245 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 1091027  | 125.897 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 705852   | 87.174  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 10.622 | 330  | 347372   | 128.397 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1288508  | 86.712  | ng    | -0.01    |
| 79) Terphenyl-d14             | 12.916 | 244  | 1476181  | 94.468  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.587  | 88   | 109509   | 37.207  | ng    | 99       |
| 3) Pyridine                   | 3.346  | 79   | 282275   | 35.589  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.304  | 42   | 164990   | 47.049  | ng    | 96       |
| 6) Aniline                    | 6.451  | 93   | 444982   | 41.545  | ng    | 95       |
| 8) 2-Chlorophenol             | 6.575  | 128  | 352286   | 49.504  | ng    | 99       |
| 9) Benzaldehyde               | 6.339  | 77   | 214771   | 45.187  | ng    | 97       |
| 10) Phenol                    | 6.445  | 94   | 420415   | 47.384  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 6.528  | 93   | 317965   | 47.244  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 365514   | 49.247  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 368945   | 49.665  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.951  | 146  | 350867   | 50.955  | ng    | 100      |
| 15) Benzyl Alcohol            | 6.934  | 79   | 303388   | 50.385  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 449535   | 46.125  | ng    | 99       |
| 17) 2-Methylphenol            | 7.045  | 107  | 275756   | 44.774  | ng    | 97       |
| 18) Hexachloroethane          | 7.292  | 117  | 134739   | 50.115  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 227077   | 44.865  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.198  | 107  | 333054   | 45.624  | ng    | 98       |
| 22) Acetophenone              | 7.198  | 105  | 454280   | 46.065  | ng    | # 98     |
| 24) Nitrobenzene              | 7.369  | 77   | 359632   | 44.264  | ng    | 99       |
| 25) Isophorone                | 7.610  | 82   | 646210   | 42.740  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 186254   | 46.047  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.728  | 122  | 303471   | 45.999  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 386625   | 42.904  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.928  | 162  | 288428   | 44.247  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 317571   | 45.889  | ng    | 99       |
| 31) Naphthalene               | 8.086  | 128  | 994932   | 44.658  | ng    | 100      |
| 32) Benzoic acid              | 7.851  | 122  | 226031   | 46.424  | ng    | 96       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 346404   | 36.239  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.204  | 225  | 186792   | 45.384  | ng    | 99       |
| 35) Caprolactam               | 8.510  | 113  | 96840m   | 47.590  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.628  | 107  | 310956   | 45.205  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 8.780  | 142  | 640636   | 43.119  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.880  | 142  | 603204   | 43.418  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.945  | 216  | 304090   | 43.443  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.933  | 237  | 325291   | 104.965 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.063  | 196  | 211026   | 45.648  | ng    | 99       |

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Manual Integrations  
 APPROVED

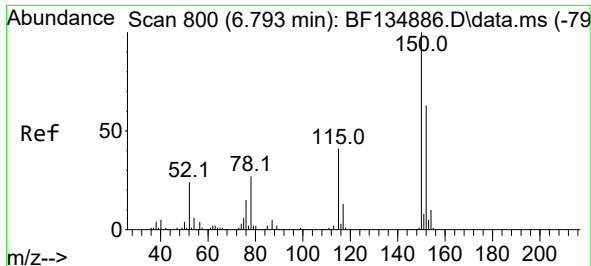
Reviewed By :Yogesh Patel 08/30/2023  
 Supervised By :mohammad ahmed 08/30/2023

Quant Time: Aug 29 22:25:10 2023  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.104  | 196  | 220200   | 41.143  | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.245  | 154  | 800724   | 44.153  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.269  | 162  | 612061   | 45.192  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.369  | 65   | 202545   | 45.495  | ng    | 95       |
| 49) Acenaphthylene            | 9.686  | 152  | 934339   | 44.797  | ng    | 99       |
| 50) Dimethylphthalate         | 9.551  | 163  | 724668   | 44.319  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.616  | 165  | 164238   | 45.541  | ng    | 94       |
| 52) Acenaphthene              | 9.857  | 154  | 584915   | 44.516  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 158532   | 40.247  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.898  | 184  | 183862   | 107.750 | ng    | # 88     |
| 55) Dibenzofuran              | 10.033 | 168  | 853412   | 44.611  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.957  | 139  | 272508   | 99.273  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.022 | 165  | 213526   | 47.876  | ng    | 91       |
| 58) Fluorene                  | 10.374 | 166  | 669825   | 46.165  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.151 | 232  | 193325   | 46.362  | ng    | 97       |
| 60) Diethylphthalate          | 10.257 | 149  | 690206   | 46.073  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 326213   | 44.850  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.404 | 138  | 176797   | 48.013  | ng    | 97       |
| 63) Azobenzene                | 10.533 | 77   | 668629   | 44.928  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 10.433 | 198  | 126570   | 48.499  | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 10.492 | 169  | 602095   | 42.274  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 215419   | 42.218  | ng    | 97       |
| 68) Hexachlorobenzene         | 10.927 | 284  | 242817   | 44.744  | ng    | 96       |
| 69) Atrazine                  | 11.027 | 200  | 211773   | 54.757  | ng    | 99       |
| 70) Pentachlorophenol         | 11.122 | 266  | 254172   | 77.827  | ng    | 99       |
| 71) Phenanthrene              | 11.345 | 178  | 1039130  | 44.836  | ng    | 99       |
| 72) Anthracene                | 11.392 | 178  | 1059692  | 44.626  | ng    | 100      |
| 73) Carbazole                 | 11.551 | 167  | 917848   | 46.907  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 1046962  | 46.652  | ng    | 100      |
| 75) Fluoranthene              | 12.539 | 202  | 1049642  | 47.799  | ng    | 98       |
| 77) Benzidine                 | 12.663 | 184  | 468212   | 134.269 | ng    | 99       |
| 78) Pyrene                    | 12.768 | 202  | 1047346  | 45.961  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 358975   | 51.705  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.963 | 228  | 663273   | 45.232  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.927 | 252  | 200070   | 43.108  | ng    | # 98     |
| 83) Chrysene                  | 13.998 | 228  | 628254   | 43.423  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.957 | 149  | 385413   | 51.247  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.574 | 149  | 537463   | 43.826  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.933 | 276  | 749554   | 48.044  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.009 | 252  | 612577   | 49.744  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.039 | 252  | 548997   | 45.400  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 538731   | 43.823  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.951 | 278  | 607626   | 48.135  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.386 | 276  | 611329   | 47.308  | ng    | 99       |

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





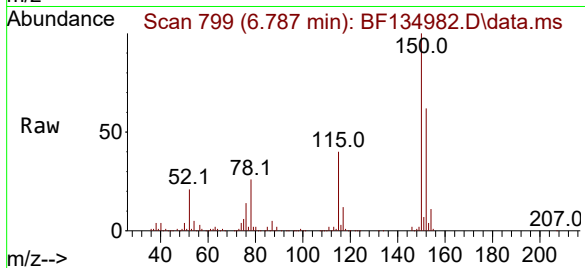
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1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.787 min Scan# 79  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

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PB155132BS

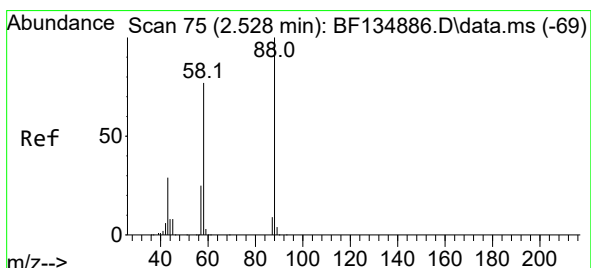
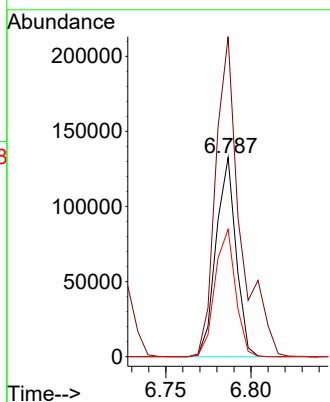
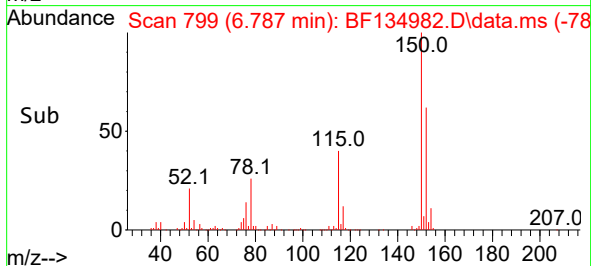


Tgt Ion:152 Resp: 10814  
Ion Ratio Lower Upper  
152 100  
150 160.7 126.1 189.1  
115 63.9 51.1 76.7

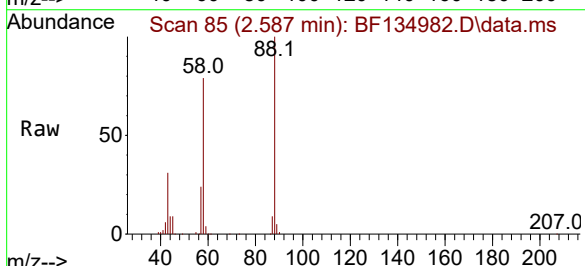
Manual Integrations

APPROVED

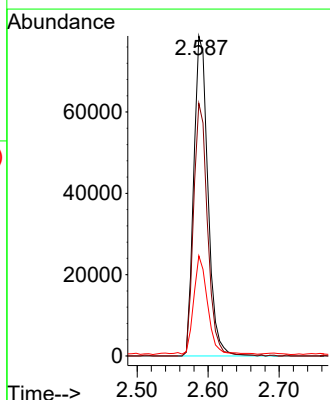
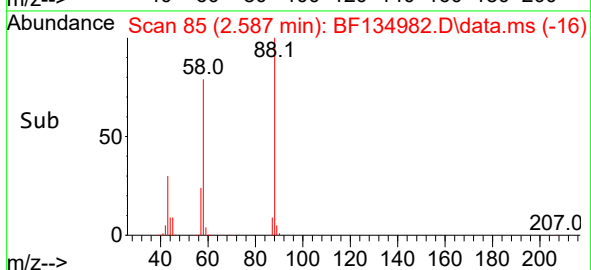
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

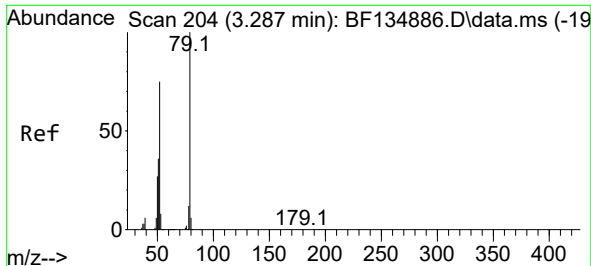


#2  
1,4-Dioxane  
Concen: 37.207 ng  
RT: 2.587 min Scan# 85  
Delta R.T. 0.059 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



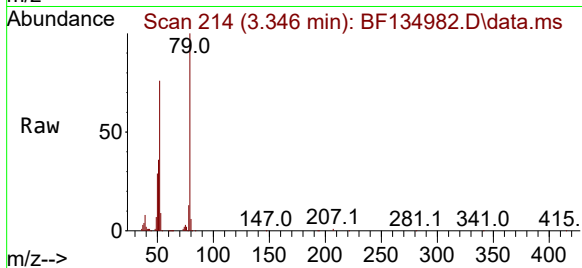
Tgt Ion: 88 Resp: 109509  
Ion Ratio Lower Upper  
88 100  
58 77.9 62.6 93.8  
43 30.1 23.3 34.9





#3  
Pyridine  
Concen: 35.589 ng  
RT: 3.346 min Scan# 214  
Delta R.T. 0.059 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

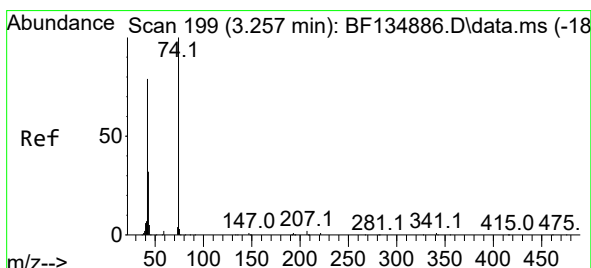
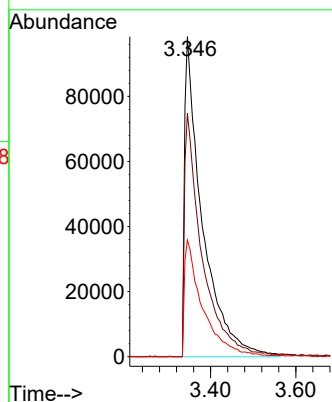
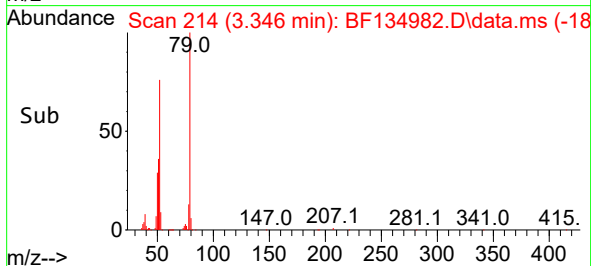
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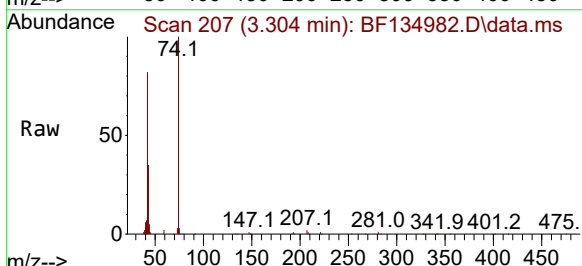
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Ion Ratio Lower Upper  
79 100  
52 76.0 60.1 90.1  
51 36.4 29.4 44.0

Manual Integrations  
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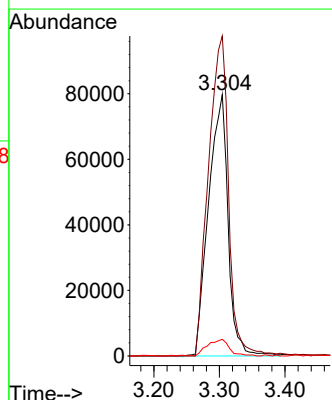
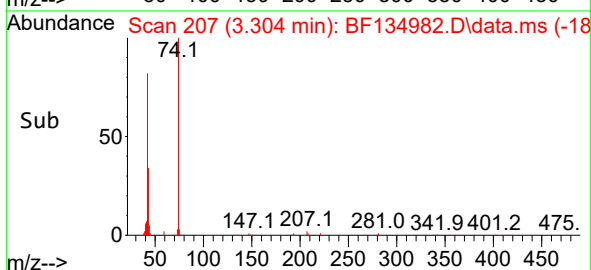
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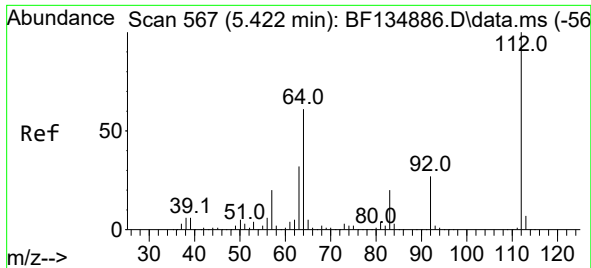


#4  
n-Nitrosodimethylamine  
Concen: 47.049 ng  
RT: 3.304 min Scan# 207  
Delta R.T. 0.047 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion: 42 Resp: 164990  
Ion Ratio Lower Upper  
42 100  
74 122.5 101.8 152.8  
44 6.4 5.4 8.0





#5  
2-Fluorophenol  
Concen: 129.245 ng  
RT: 5.428 min Scan# 50  
Delta R.T. 0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

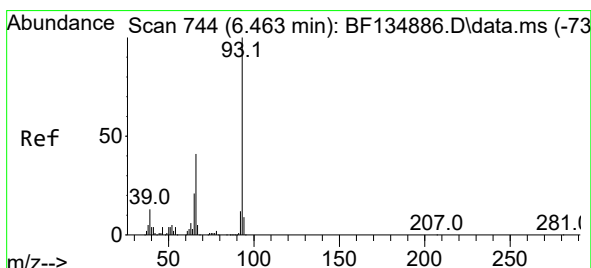
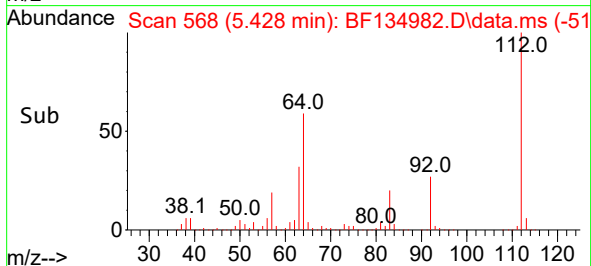
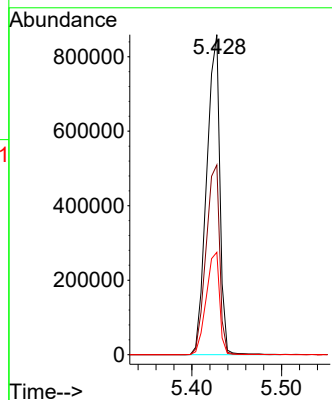
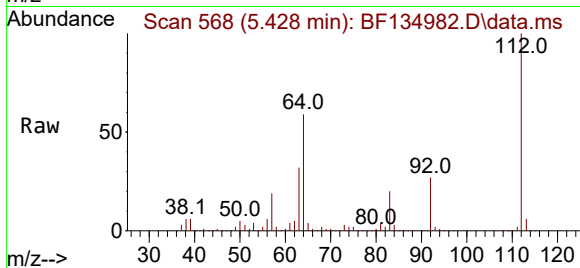
ClientSampleId :

PB155132BS

Tgt Ion:112 Resp: 87653  
Ion Ratio Lower Upper  
112 100  
64 59.3 48.6 73.0  
63 32.0 25.7 38.5

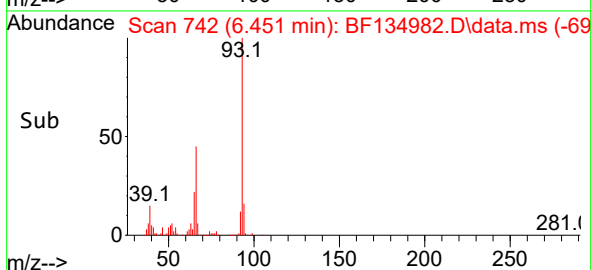
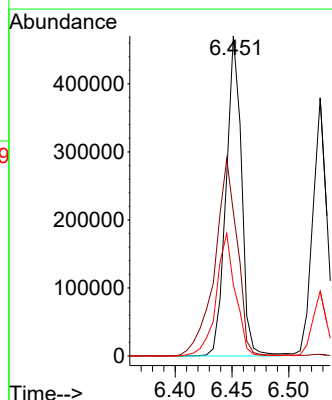
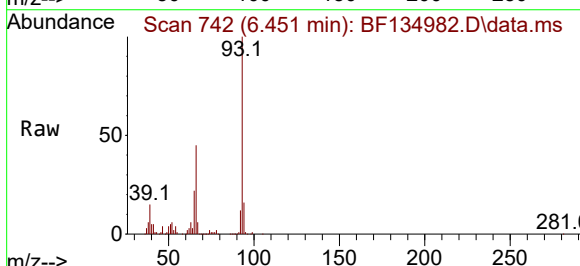
Manual Integrations  
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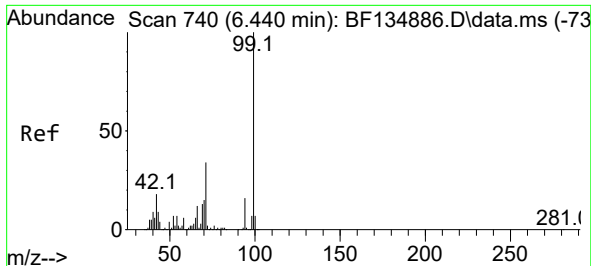
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#6  
Aniline  
Concen: 41.545 ng  
RT: 6.451 min Scan# 742  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

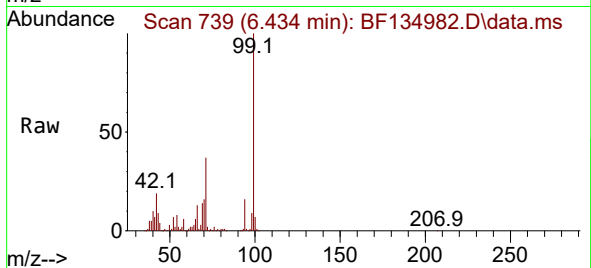
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Ion Ratio Lower Upper  
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66 45.0 32.7 49.1  
65 22.3 16.7 25.1





#7  
Phenol-d6  
Concen: 125.897 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

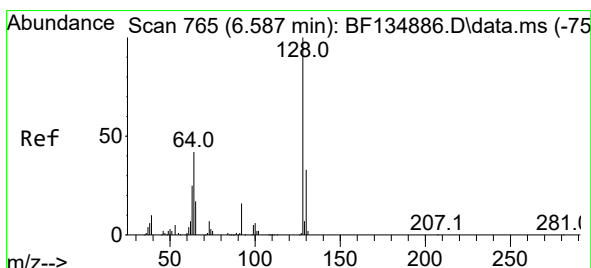
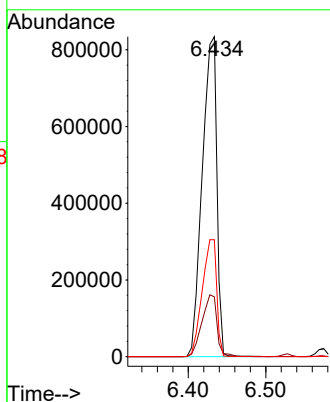
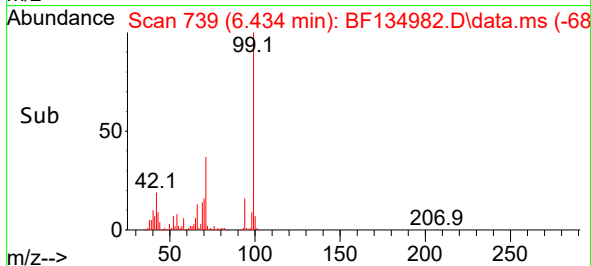
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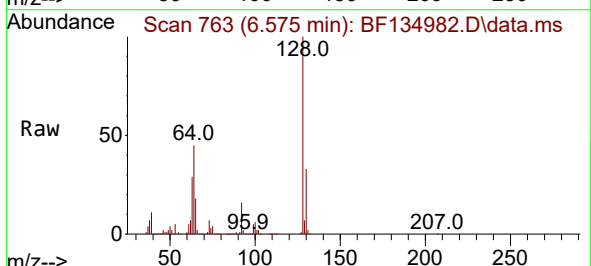
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71 36.6 27.6 41.4

Manual Integrations  
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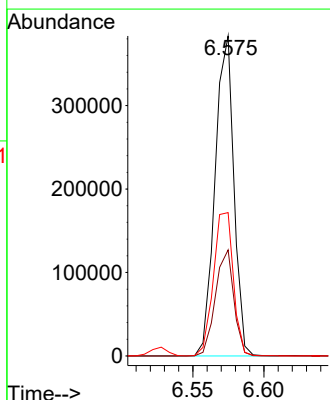
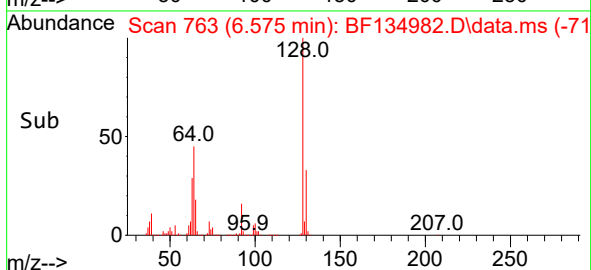
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

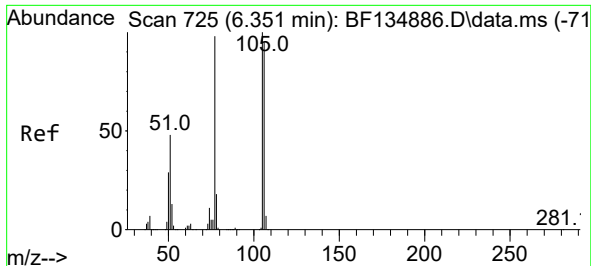


#8  
2-Chlorophenol  
Concen: 49.504 ng  
RT: 6.575 min Scan# 763  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



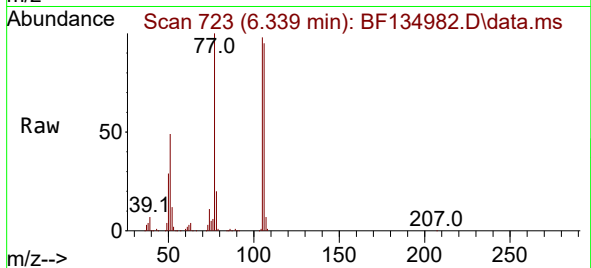
Tgt Ion:128 Resp: 352286  
Ion Ratio Lower Upper  
128 100  
130 33.2 13.0 53.0  
64 44.8 23.4 63.4





#9  
Benzaldehyde  
Concen: 45.187 ng  
RT: 6.339 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

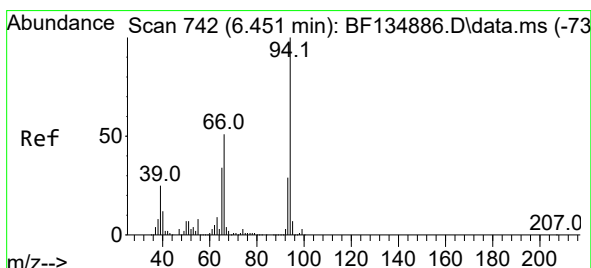
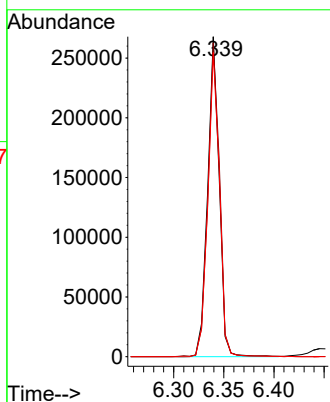
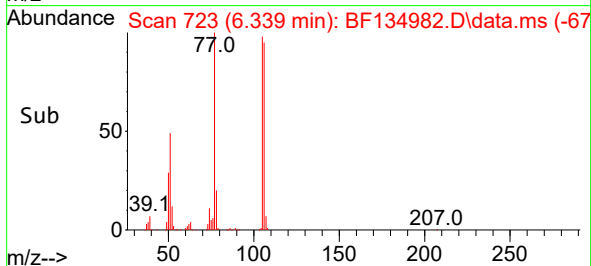
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



Tgt Ion: 77 Resp: 21477  
Ion Ratio Lower Upper  
77 100  
105 98.1 82.4 122.4  
106 95.0 77.2 117.2

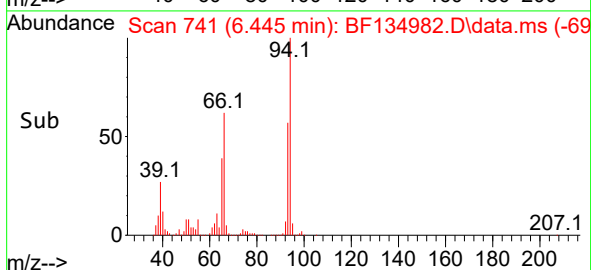
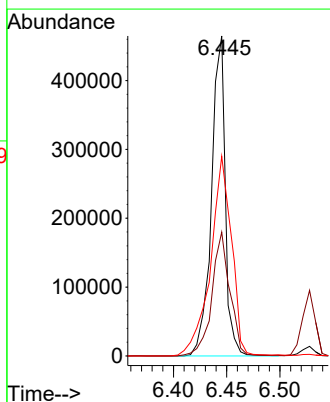
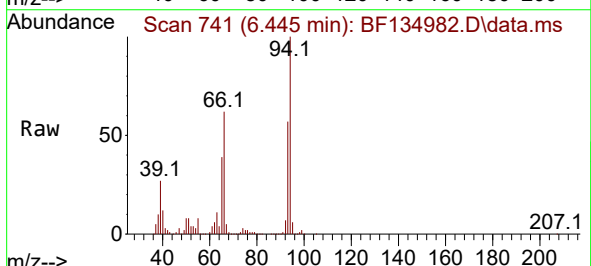
Manual Integrations  
APPROVED

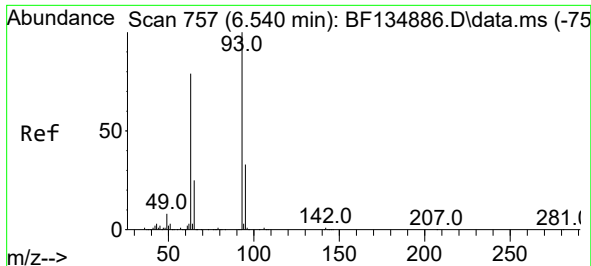
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#10  
Phenol  
Concen: 47.384 ng  
RT: 6.445 min Scan# 741  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion: 94 Resp: 420415  
Ion Ratio Lower Upper  
94 100  
65 38.7 14.0 54.0  
66 62.4 31.1 71.1





#11

bis(2-Chloroethyl)ether

Concen: 47.244 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

Tgt Ion: 93 Resp: 31796

Ion Ratio Lower Upper

93 100

63 78.5 58.7 98.7

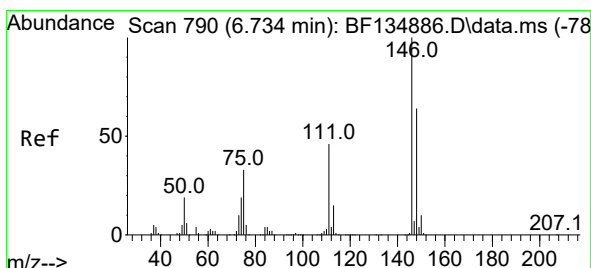
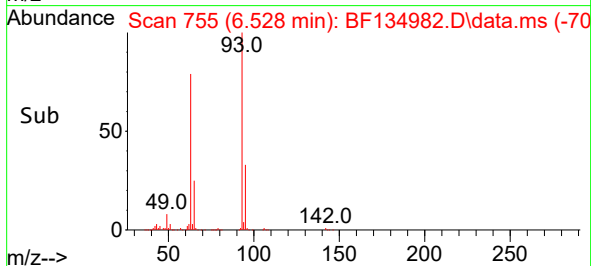
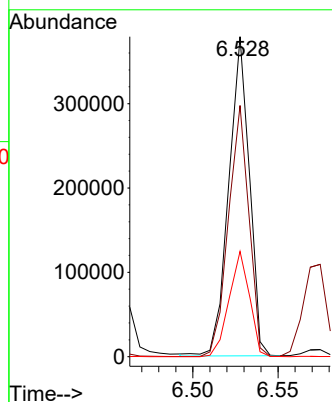
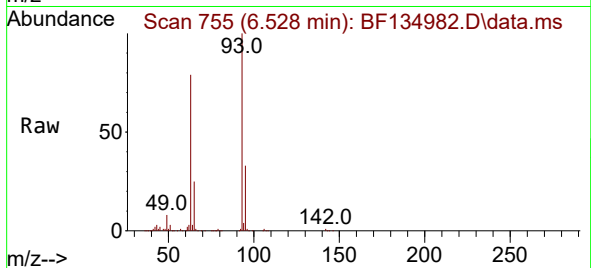
95 32.9 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#12

1,3-Dichlorobenzene

Concen: 49.247 ng

RT: 6.728 min Scan# 789

Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

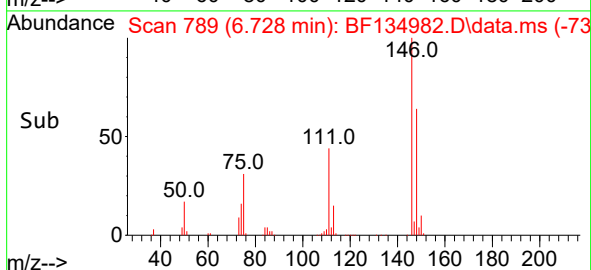
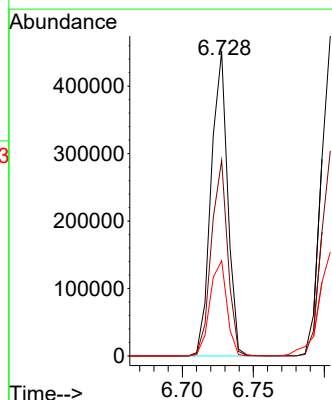
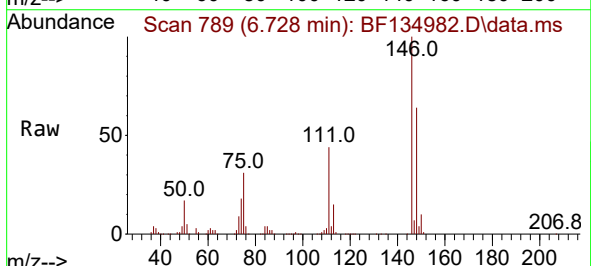
Tgt Ion:146 Resp: 365514

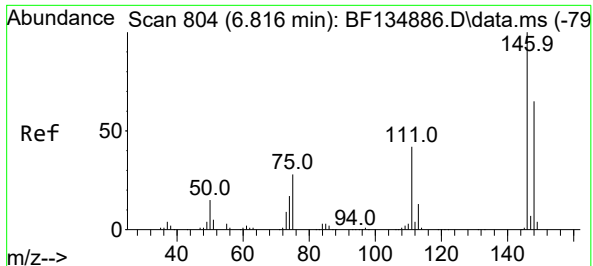
Ion Ratio Lower Upper

146 100

148 64.2 51.2 76.8

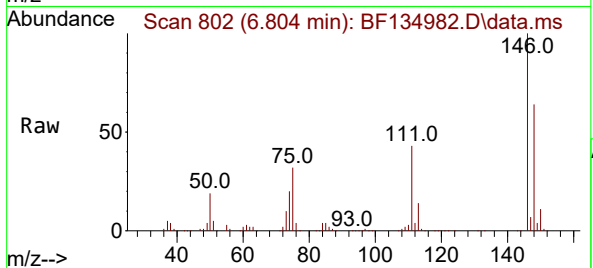
75 31.2 26.4 39.6





#13  
1,4-Dichlorobenzene  
Concen: 49.665 ng  
RT: 6.804 min Scan# 804  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

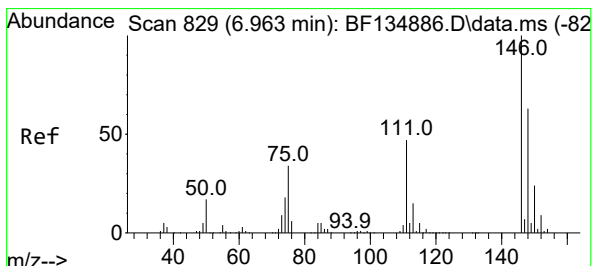
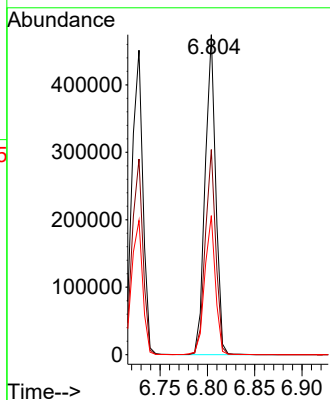
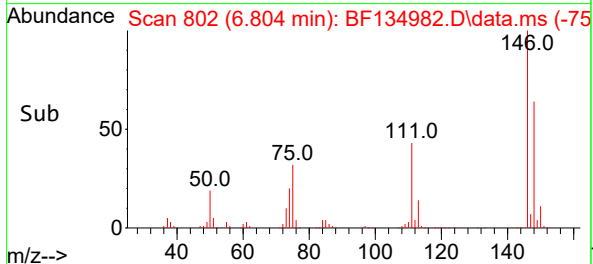
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



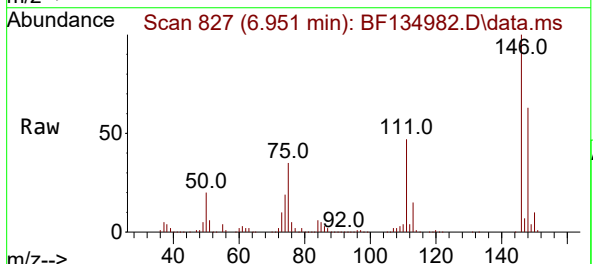
Tgt Ion:146 Resp: 368945  
Ion Ratio Lower Upper  
146 100  
148 64.1 52.1 78.1  
111 43.5 33.4 50.0

Manual Integrations  
APPROVED

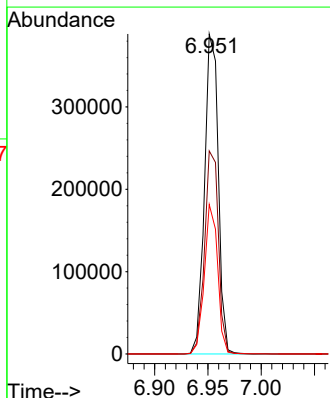
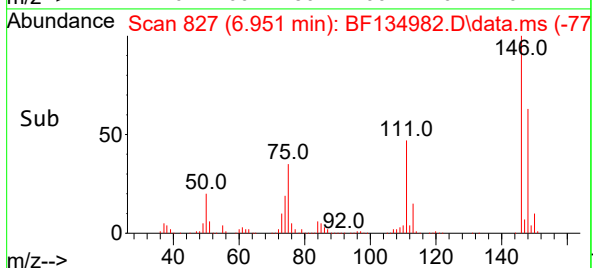
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

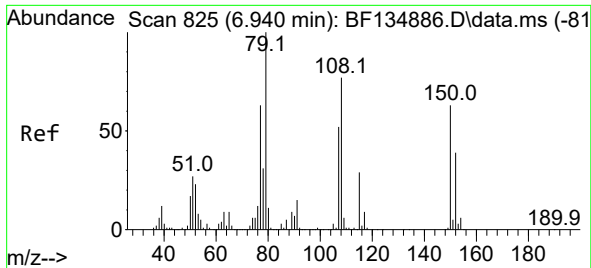


#14  
1,2-Dichlorobenzene  
Concen: 50.955 ng  
RT: 6.951 min Scan# 827  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



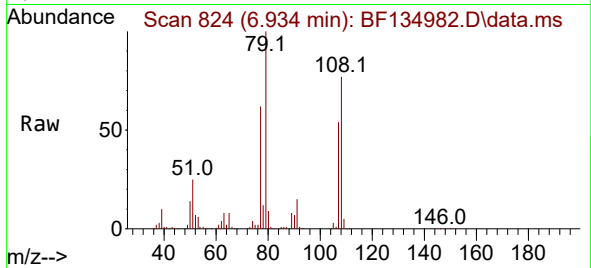
Tgt Ion:146 Resp: 350867  
Ion Ratio Lower Upper  
146 100  
148 63.4 50.5 75.7  
111 46.7 37.5 56.3





#15  
Benzyl Alcohol  
Concen: 50.385 ng  
RT: 6.934 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

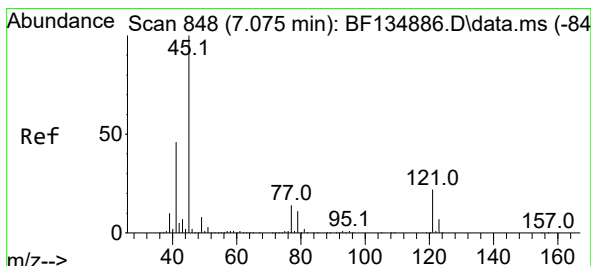
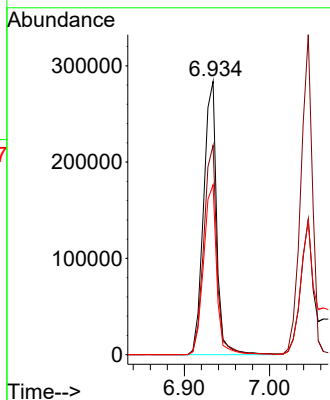
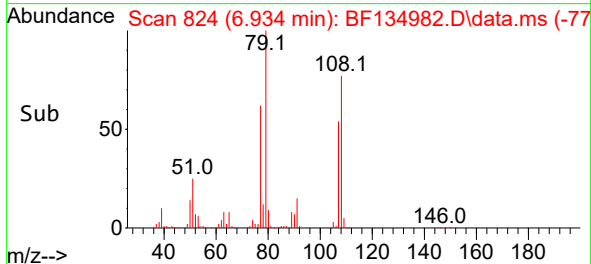
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



Tgt Ion: 79 Resp: 30338  
Ion Ratio Lower Upper  
79 100  
108 76.6 61.4 92.2  
77 62.2 50.1 75.1

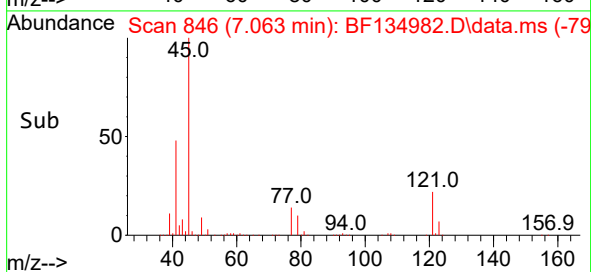
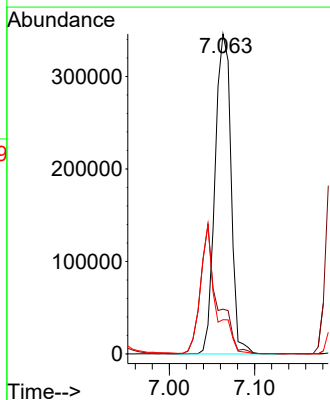
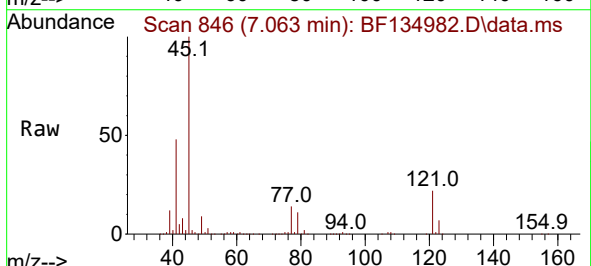
Manual Integrations  
APPROVED

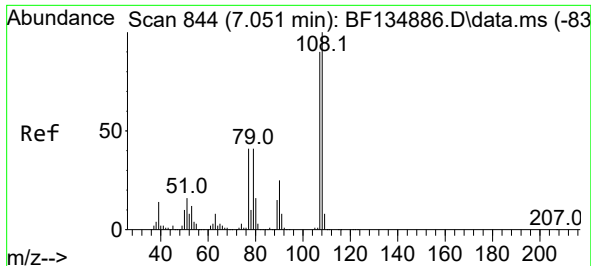
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 46.125 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion: 45 Resp: 449535  
Ion Ratio Lower Upper  
45 100  
77 14.0 0.0 33.9  
79 10.7 0.0 31.1





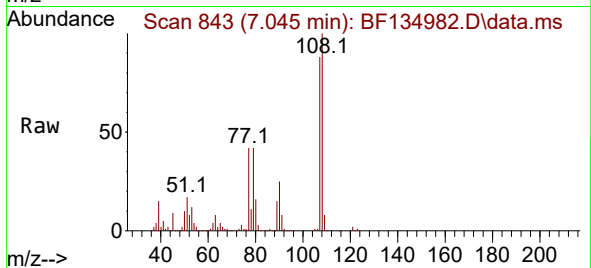
#17  
2-Methylphenol  
Concen: 44.774 ng  
RT: 7.045 min Scan# 844  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

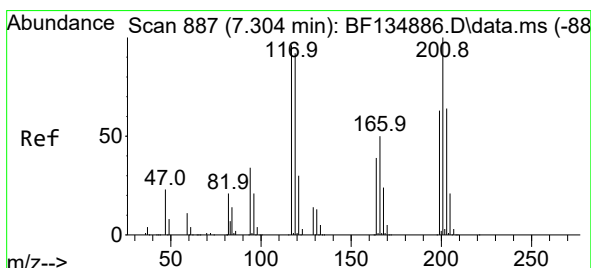
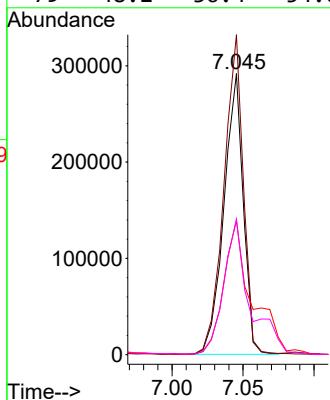
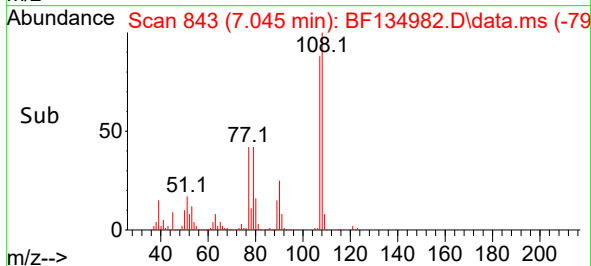


Tgt Ion:107 Resp: 275750  
Ion Ratio Lower Upper  
107 100  
108 113.8 89.0 133.6  
77 47.7 36.5 54.7  
79 48.2 36.4 54.6

Manual Integrations

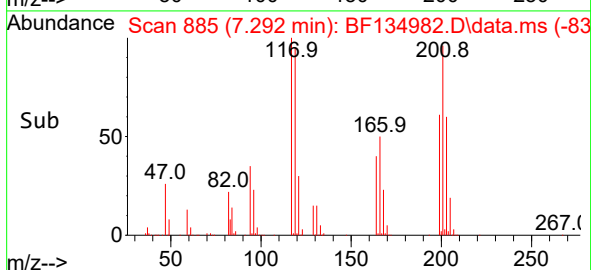
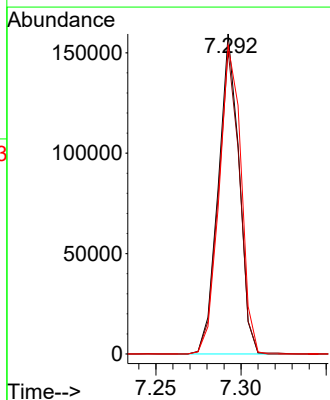
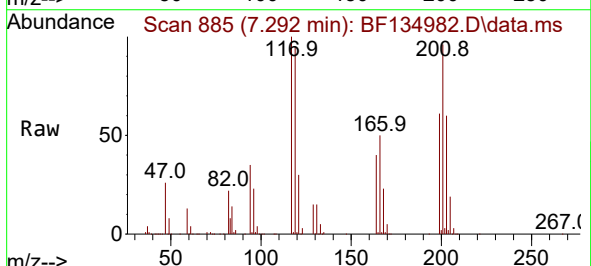
APPROVED

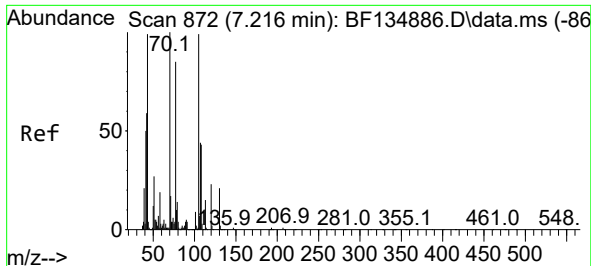
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#18  
Hexachloroethane  
Concen: 50.115 ng  
RT: 7.292 min Scan# 885  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

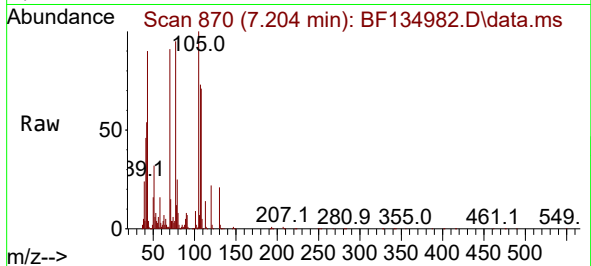
Tgt Ion:117 Resp: 134739  
Ion Ratio Lower Upper  
117 100  
119 94.7 76.6 114.8  
201 96.5 83.4 125.2





#19  
n-Nitroso-di-n-propylamine  
Concen: 44.865 ng  
RT: 7.204 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

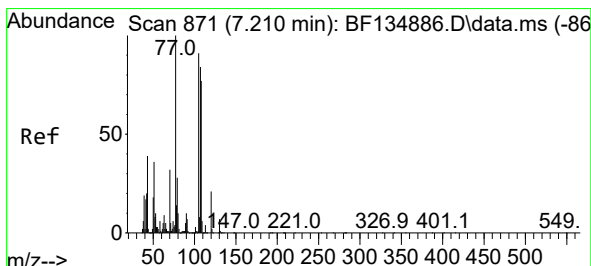
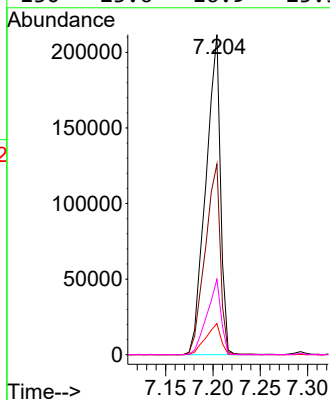
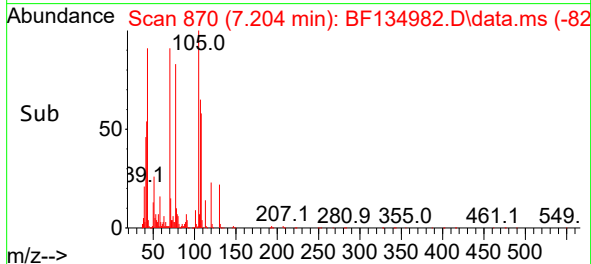
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



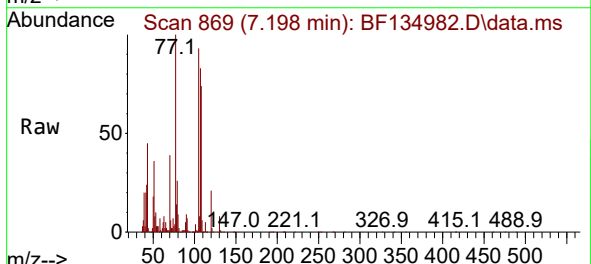
Tgt Ion: 70 Resp: 22707  
Ion Ratio Lower Upper  
70 100  
42 59.6 46.9 70.3  
101 9.7 7.5 11.3  
130 23.6 16.9 25.3

Manual Integrations  
APPROVED

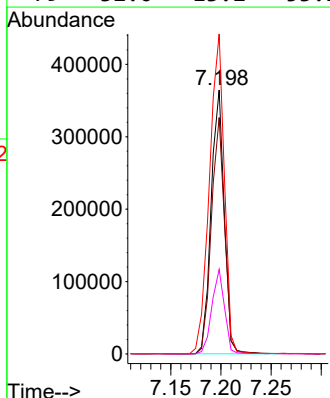
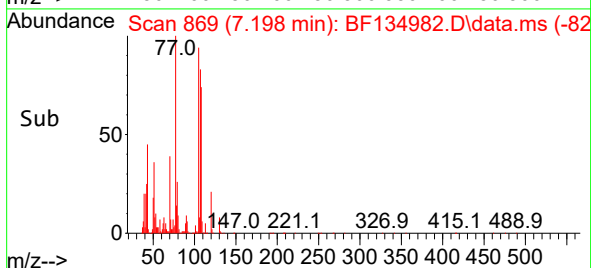
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

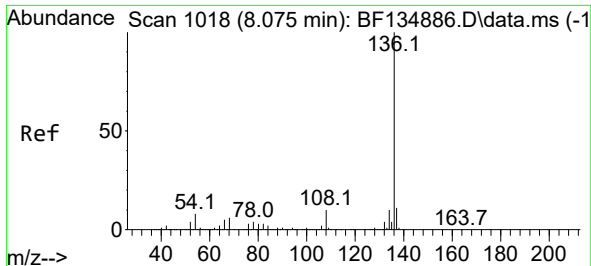


#20  
3+4-Methylphenols  
Concen: 45.624 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:107 Resp: 333054  
Ion Ratio Lower Upper  
107 100  
108 89.6 71.7 111.7  
77 121.2 98.4 138.4  
79 32.0 13.2 53.2





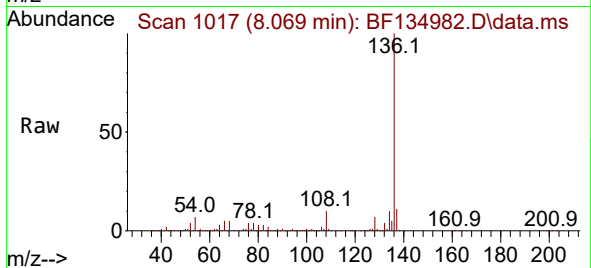
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.069 min Scan# 1018  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

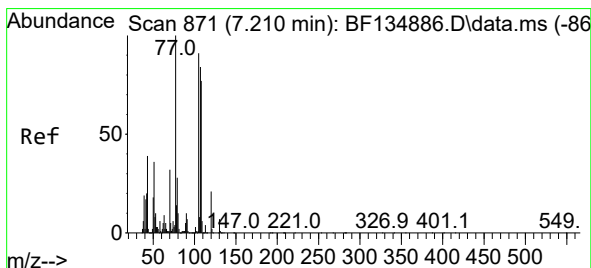
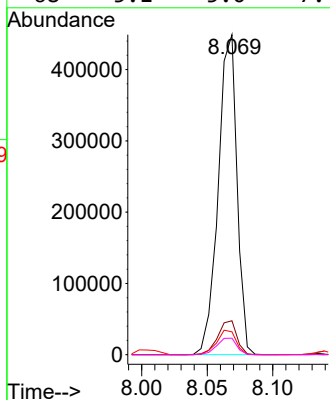
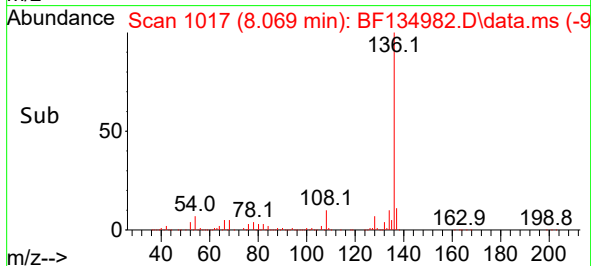


Tgt Ion:136 Resp: 446175  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.2 6.6 9.8  
68 5.1 5.0 7.4

Manual Integrations

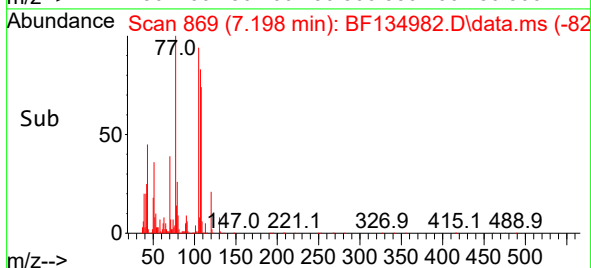
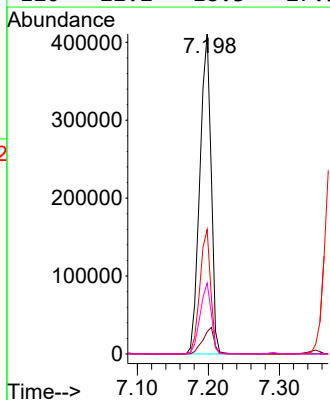
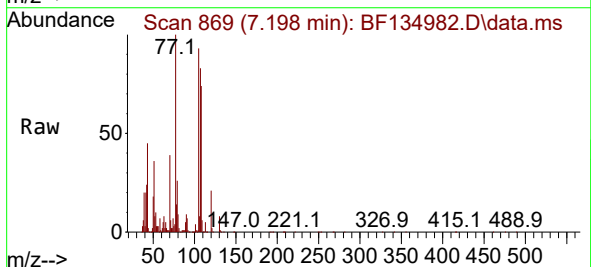
APPROVED

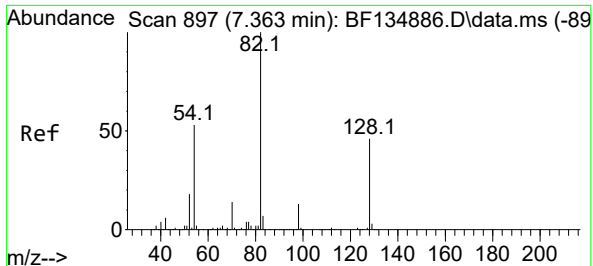
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#22  
Acetophenone  
Concen: 46.065 ng  
RT: 7.198 min Scan# 869  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:105 Resp: 454280  
Ion Ratio Lower Upper  
105 100  
71 7.0 4.6 6.8#  
51 38.9 32.2 48.2  
120 22.2 18.3 27.5





#23

Nitrobenzene-d5

Concen: 87.174 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

Tgt Ion: 82 Resp: 705852

Ion Ratio Lower Upper

82 100

128 44.6 36.6 54.8

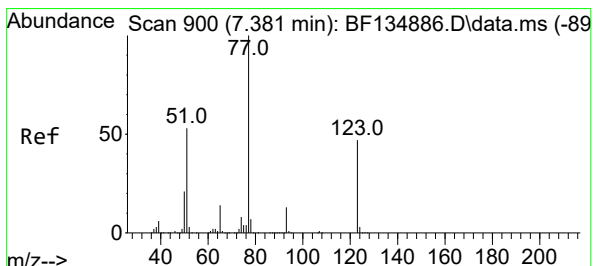
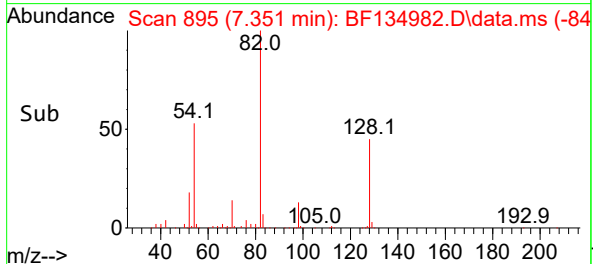
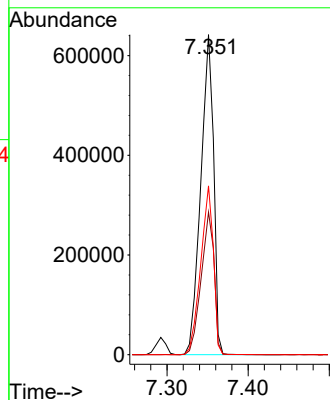
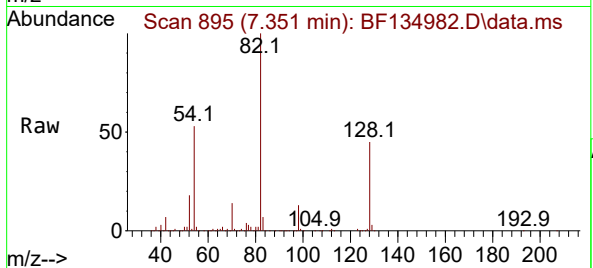
54 52.8 42.6 63.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#24

Nitrobenzene

Concen: 44.264 ng

RT: 7.369 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

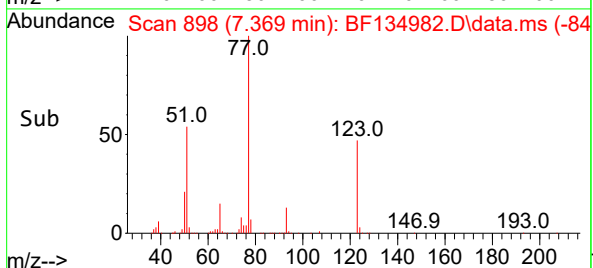
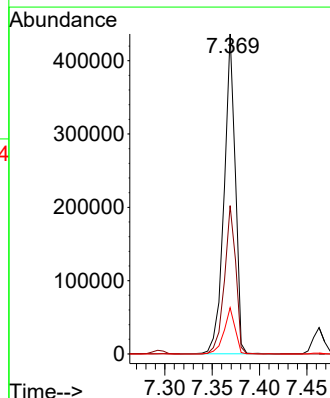
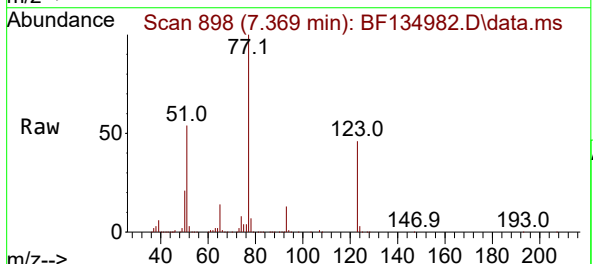
Tgt Ion: 77 Resp: 359632

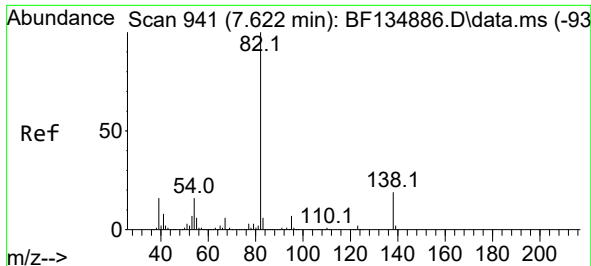
Ion Ratio Lower Upper

77 100

123 46.4 37.9 56.9

65 14.4 11.1 16.7





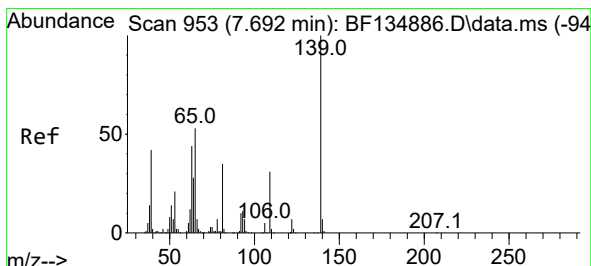
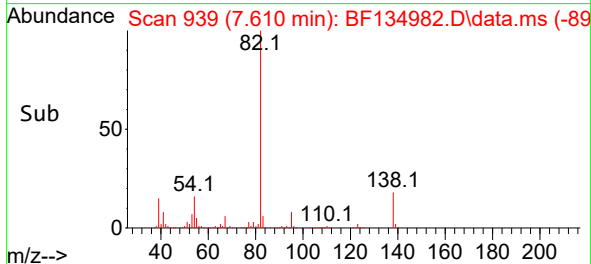
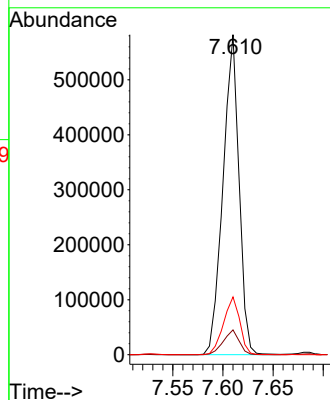
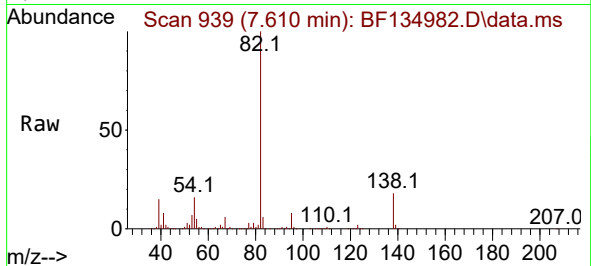
#25  
Isophorone  
Concen: 42.740 ng  
RT: 7.610 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS

Tgt Ion: 82 Resp: 646210  
Ion Ratio Lower Upper  
82 100  
95 7.7 5.9 8.9  
138 18.1 14.9 22.3

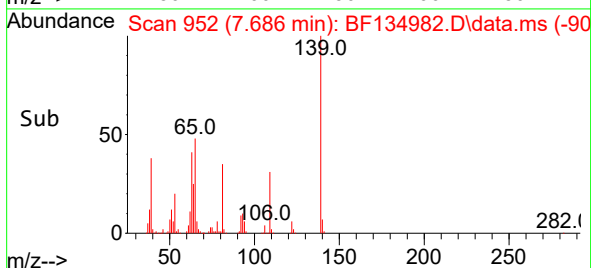
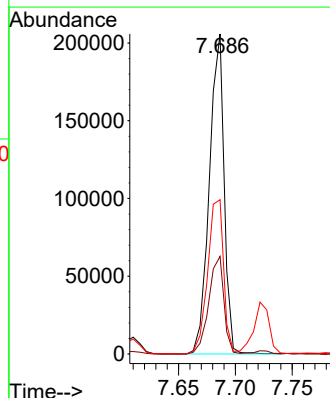
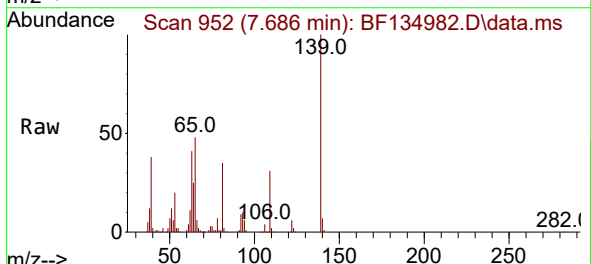
Manual Integrations  
APPROVED

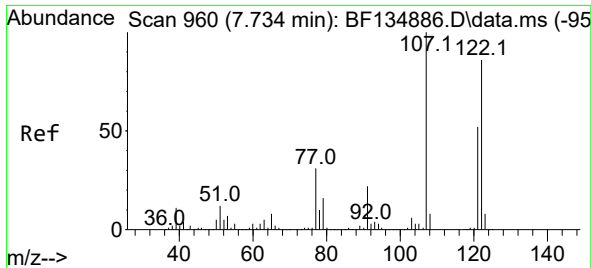
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#26  
2-Nitrophenol  
Concen: 46.047 ng  
RT: 7.686 min Scan# 952  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:139 Resp: 186254  
Ion Ratio Lower Upper  
139 100  
109 30.5 24.5 36.7  
65 48.2 42.4 63.6





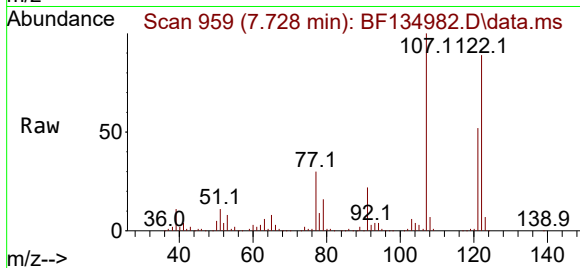
#27  
2,4-Dimethylphenol  
Concen: 45.999 ng  
RT: 7.728 min Scan# 911  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

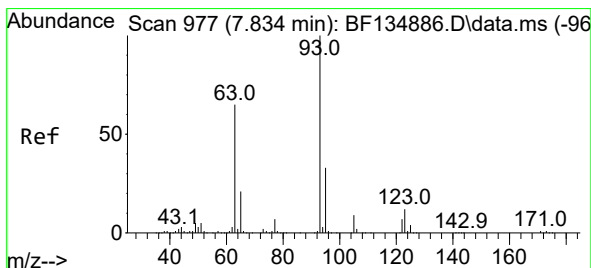
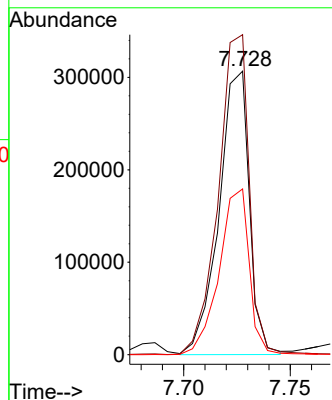
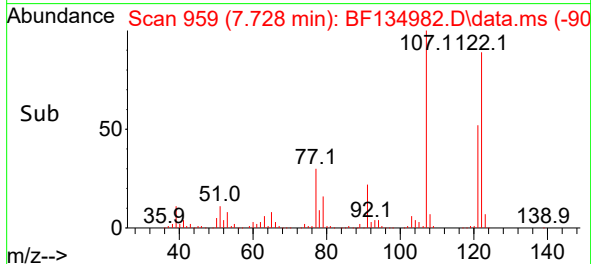


Tgt Ion:122 Resp: 30347  
Ion Ratio Lower Upper  
122 100  
107 112.9 92.9 139.3  
121 58.5 48.4 72.6

Manual Integrations

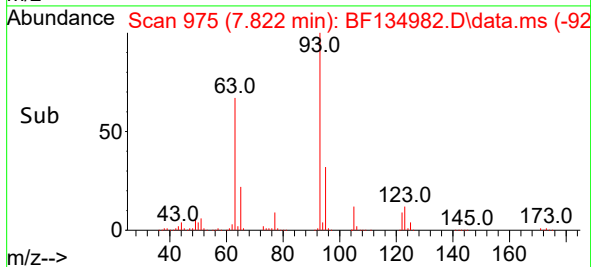
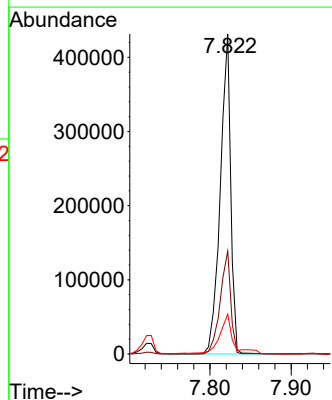
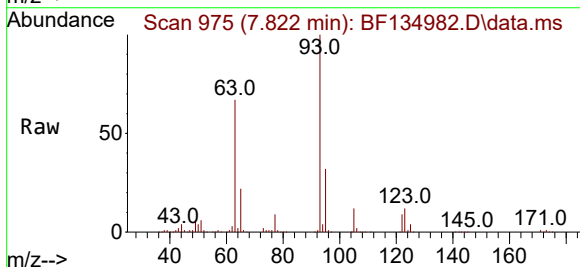
APPROVED

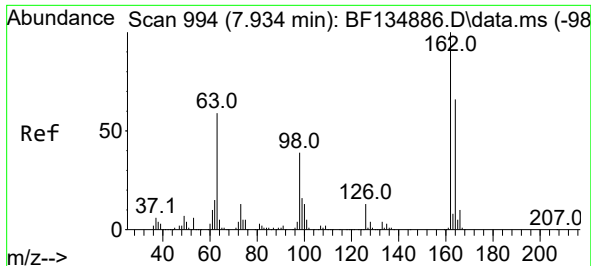
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.904 ng  
RT: 7.822 min Scan# 975  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion: 93 Resp: 386625  
Ion Ratio Lower Upper  
93 100  
95 32.1 26.3 39.5  
123 12.4 9.9 14.9





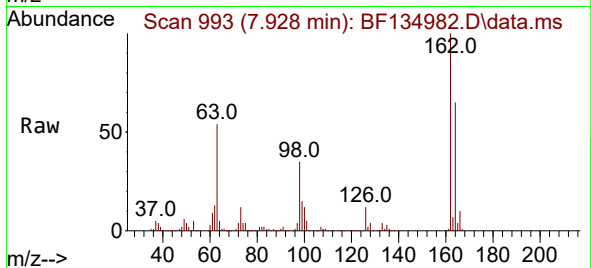
#29  
2,4-Dichlorophenol  
Concen: 44.247 ng  
RT: 7.928 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

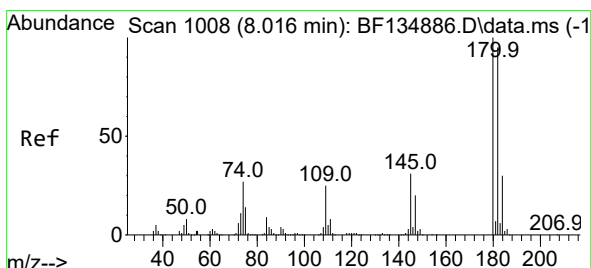
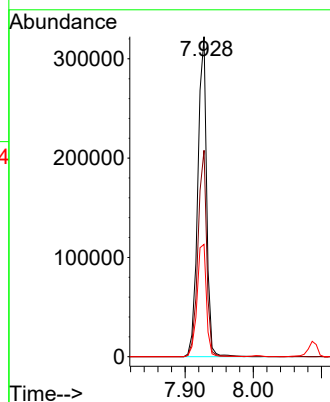
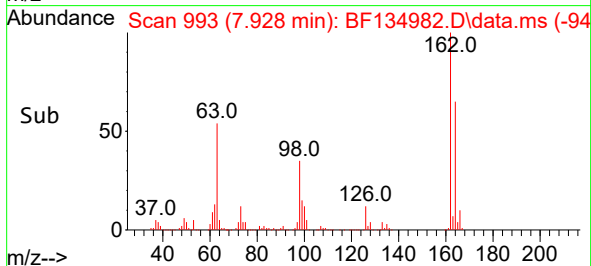


Tgt Ion:162 Resp: 288428  
Ion Ratio Lower Upper  
162 100  
164 64.5 45.6 85.6  
98 35.1 18.5 58.5

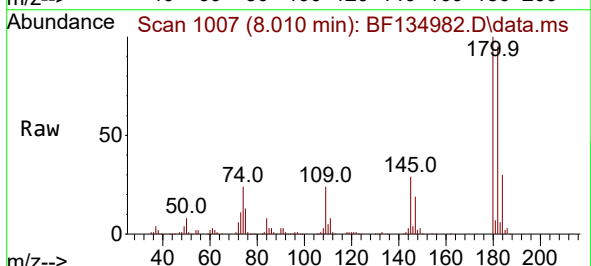
Manual Integrations

APPROVED

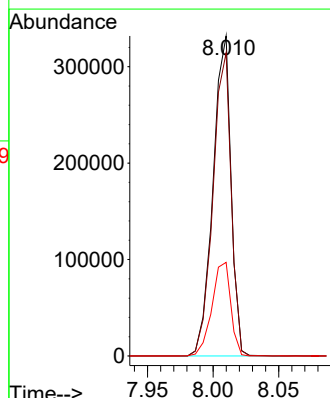
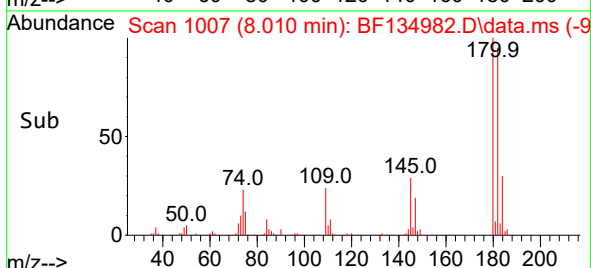
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

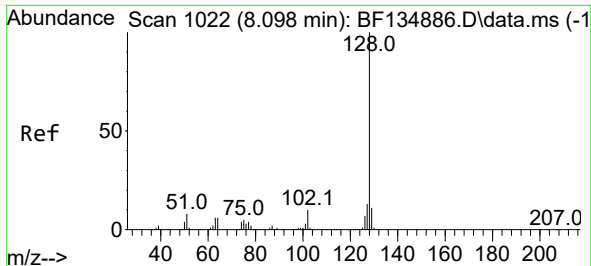


#30  
1,2,4-Trichlorobenzene  
Concen: 45.889 ng  
RT: 8.010 min Scan# 1007  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



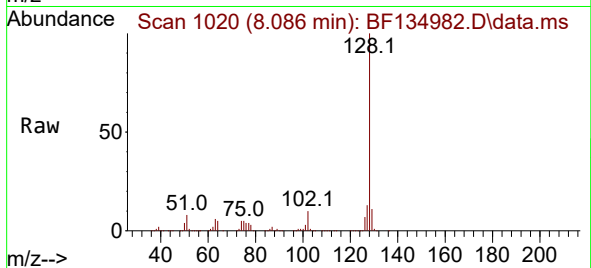
Tgt Ion:180 Resp: 317571  
Ion Ratio Lower Upper  
180 100  
182 94.8 76.0 114.0  
145 29.2 24.6 37.0





#31  
Naphthalene  
Concen: 44.658 ng  
RT: 8.086 min Scan# 1022  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

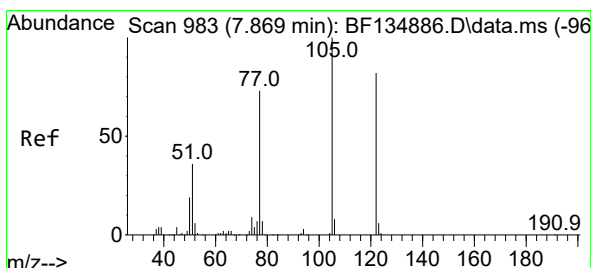
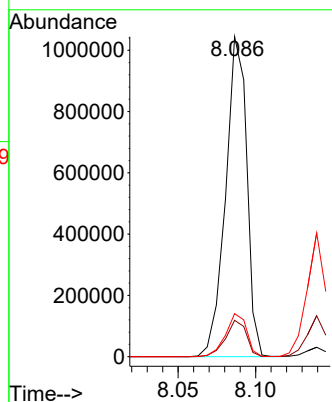
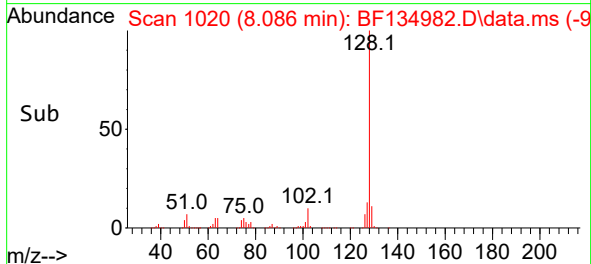
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



Tgt Ion:128 Resp: 994932  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.0 13.4  
127 13.5 10.6 16.0

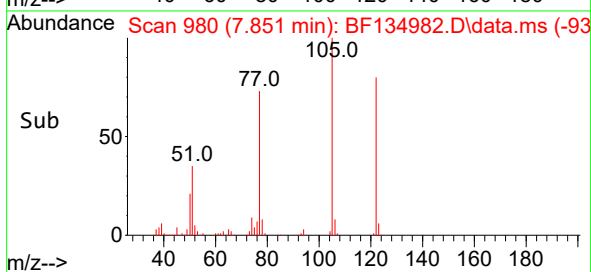
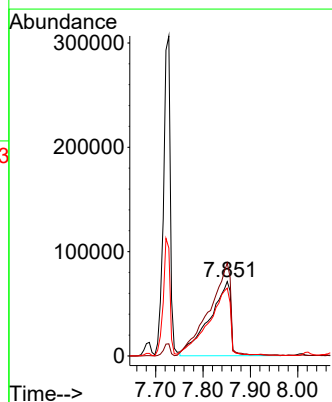
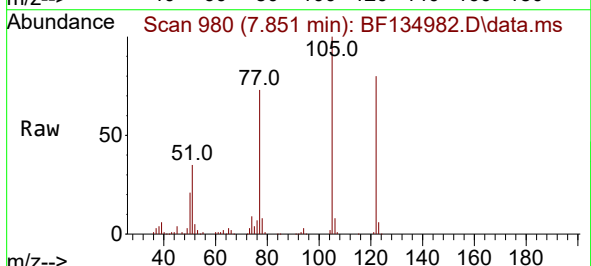
Manual Integrations  
APPROVED

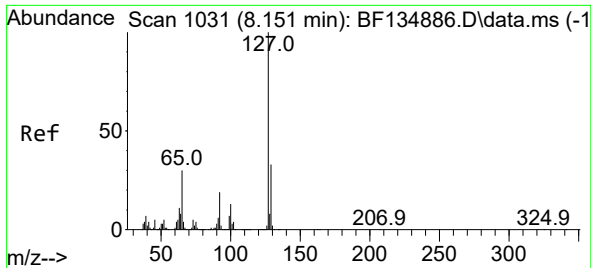
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#32  
Benzoic acid  
Concen: 46.424 ng  
RT: 7.851 min Scan# 980  
Delta R.T. -0.018 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:122 Resp: 226031  
Ion Ratio Lower Upper  
122 100  
105 125.0 98.6 138.6  
77 91.1 68.6 108.6





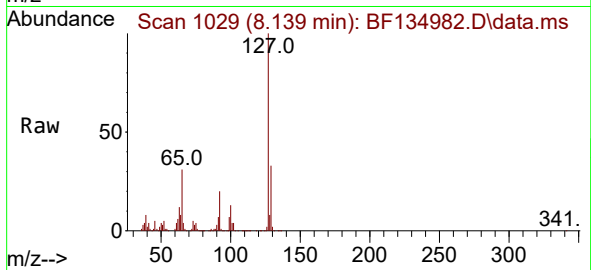
#33  
4-Chloroaniline  
Concen: 36.239 ng  
RT: 8.139 min Scan# 1029  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

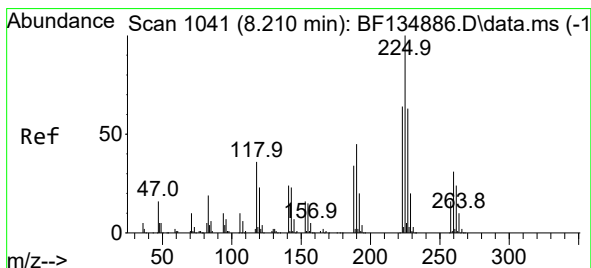
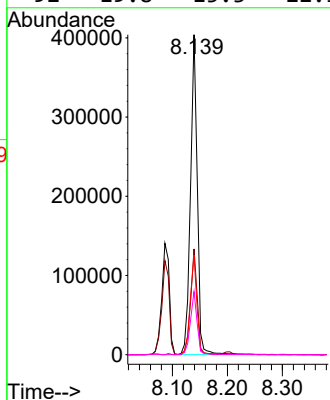
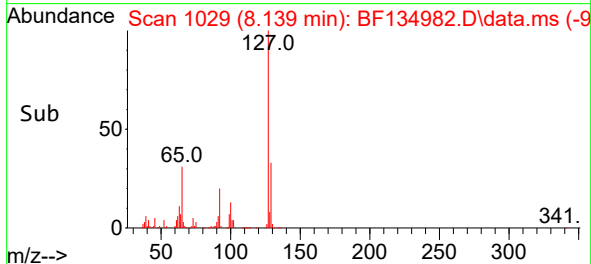


Tgt Ion:127 Resp: 346404  
Ion Ratio Lower Upper  
127 100  
129 33.1 26.4 39.6  
65 31.1 23.8 35.8  
92 19.8 15.3 22.9

Manual Integrations

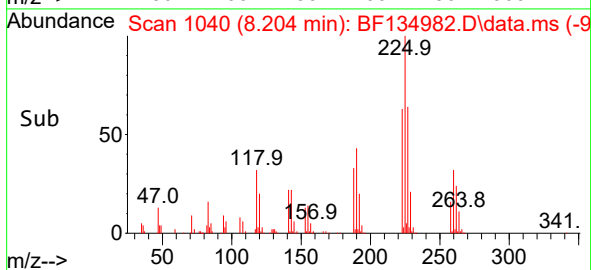
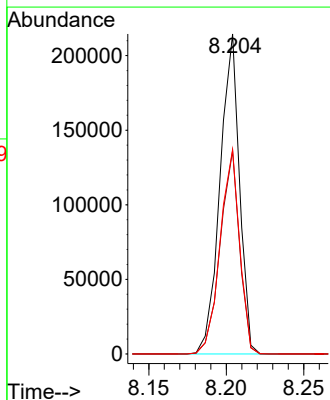
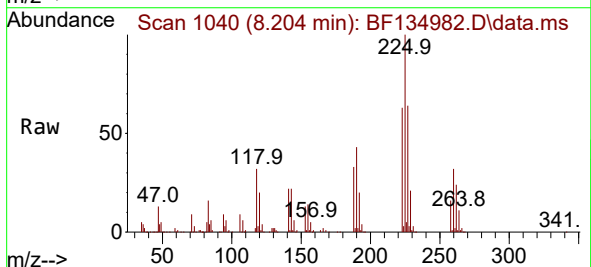
APPROVED

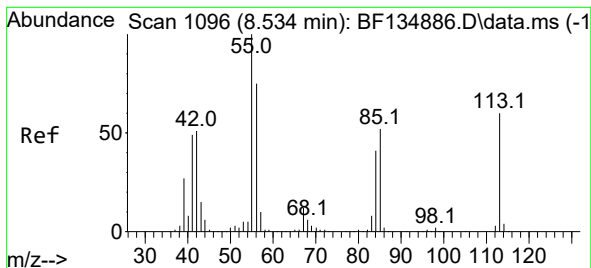
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#34  
Hexachlorobutadiene  
Concen: 45.384 ng  
RT: 8.204 min Scan# 1040  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:225 Resp: 186792  
Ion Ratio Lower Upper  
225 100  
223 63.5 51.1 76.7  
227 63.9 50.1 75.1





#35

Caprolactam

Concen: 47.590 ng m

RT: 8.510 min Scan# 1096

Delta R.T. -0.024 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

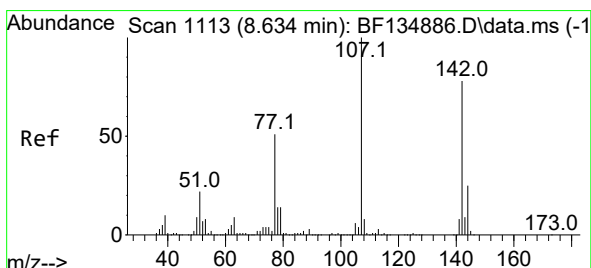
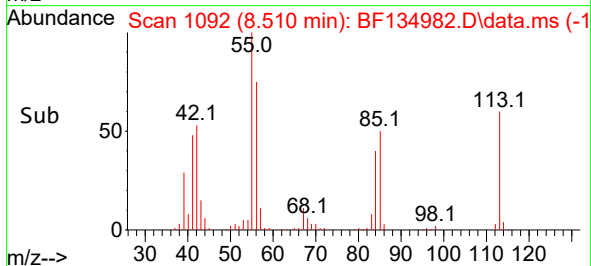
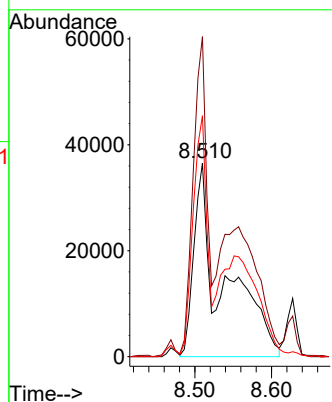
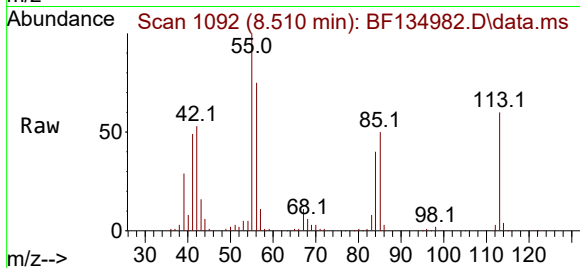
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 96840 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 165.3 | 147.2 | 187.2 |
| 56        | 124.5 | 106.0 | 146.0 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#36

4-Chloro-3-methylphenol

Concen: 45.205 ng

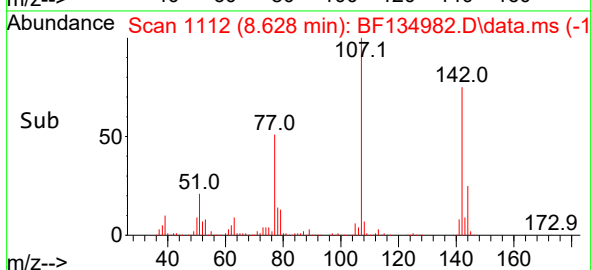
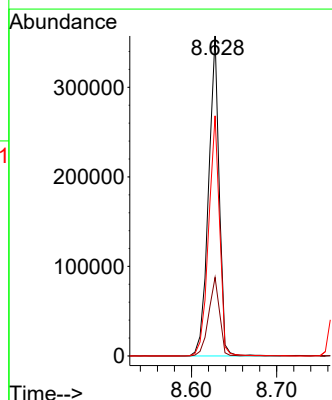
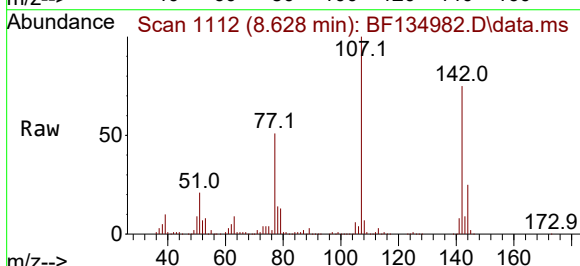
RT: 8.628 min Scan# 1112

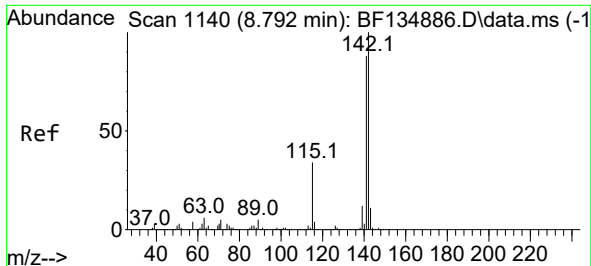
Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 310956 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.5  | 20.2  | 30.2   |
| 142       | 75.1  | 62.5  | 93.7   |





#37  
2-Methylnaphthalene  
Concen: 43.119 ng  
RT: 8.780 min Scan# 1138  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

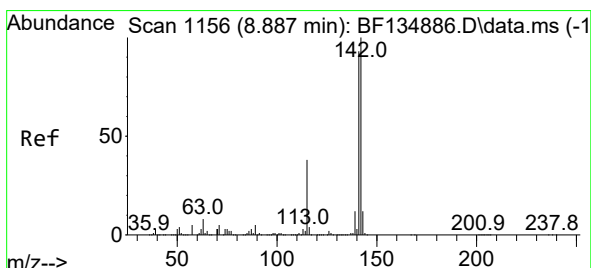
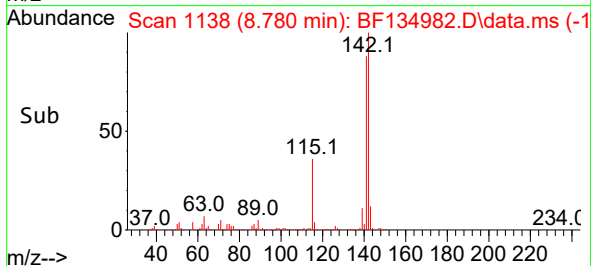
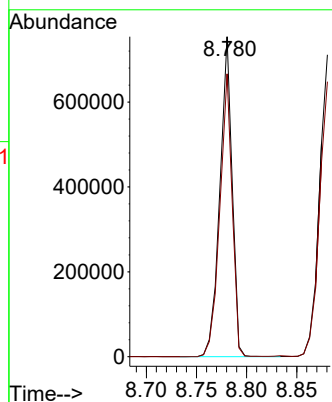
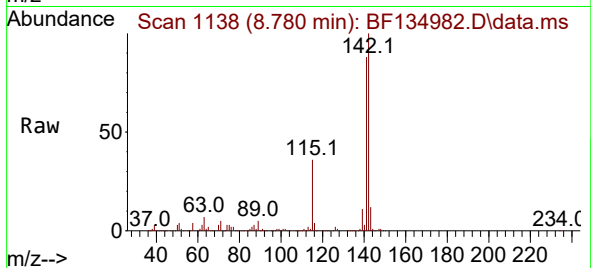
PB155132BS

Tgt Ion:142 Resp: 640630  
Ion Ratio Lower Upper  
142 100  
141 88.4 70.2 105.2

Manual Integrations

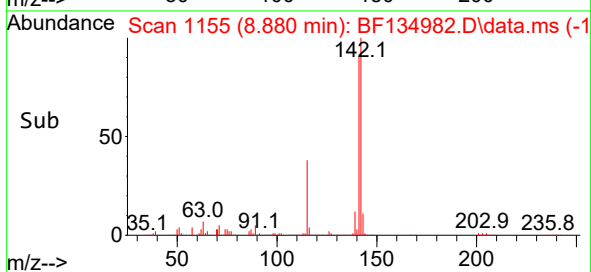
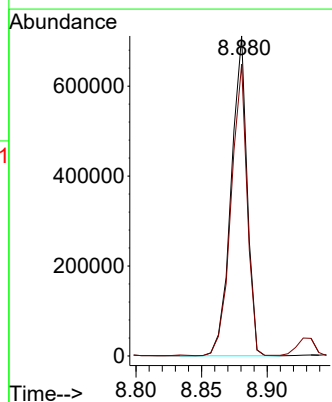
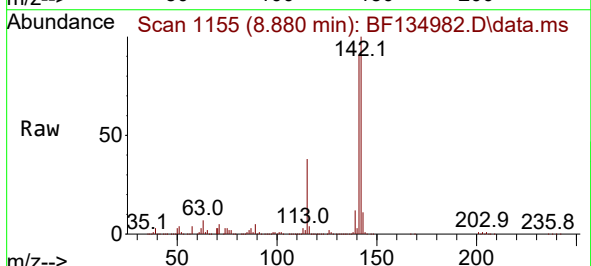
APPROVED

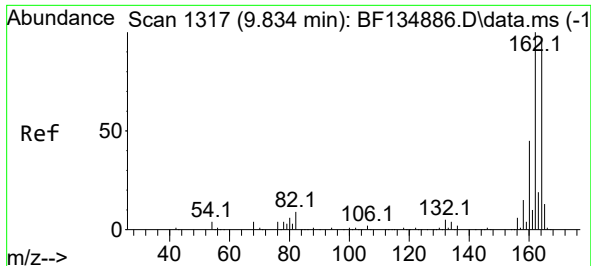
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#38  
1-Methylnaphthalene  
Concen: 43.418 ng  
RT: 8.880 min Scan# 1155  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:142 Resp: 603204  
Ion Ratio Lower Upper  
142 100  
141 91.1 74.1 111.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1115

Delta R.T. -0.012 min

Lab File: BF134982.D

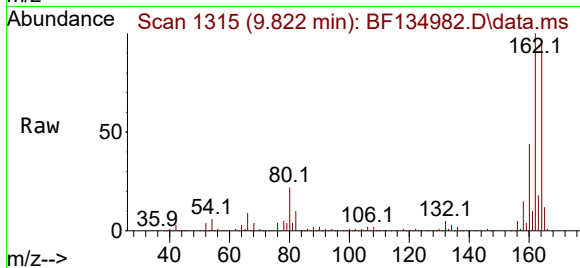
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS



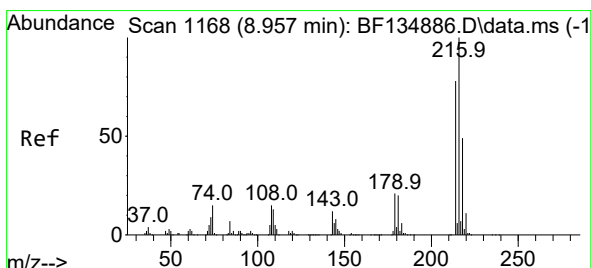
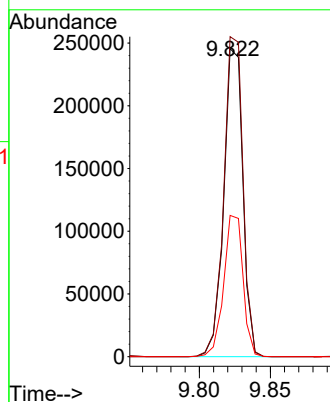
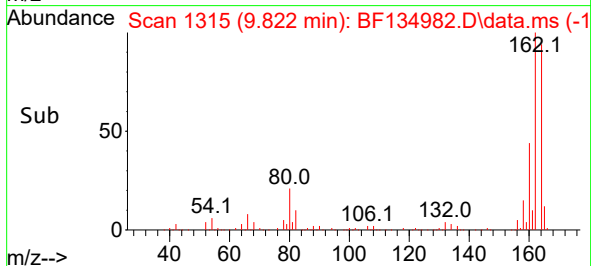
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:164 | Resp: | 22971 |       |
| Ion Ratio   | Lower | Upper |       |
| 164         | 100   |       |       |
| 162         | 103.9 | 82.6  | 123.8 |
| 160         | 45.9  | 37.0  | 55.4  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.443 ng

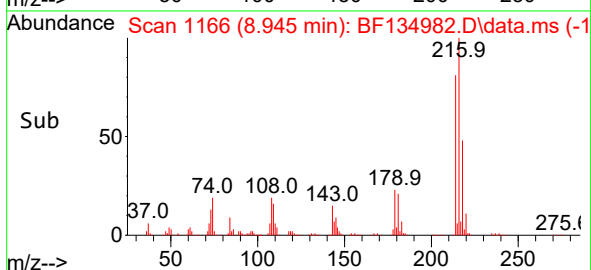
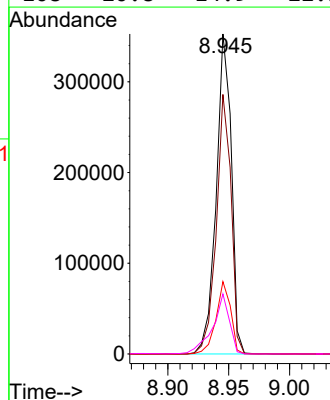
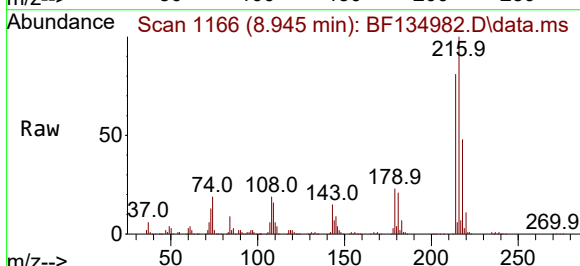
RT: 8.945 min Scan# 1166

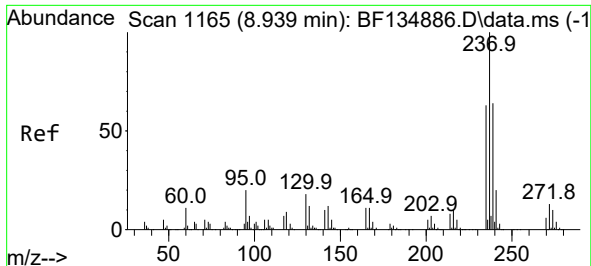
Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

|             |       |        |      |
|-------------|-------|--------|------|
| Tgt Ion:216 | Resp: | 304090 |      |
| Ion Ratio   | Lower | Upper  |      |
| 216         | 100   |        |      |
| 214         | 79.2  | 63.1   | 94.7 |
| 179         | 21.9  | 17.3   | 25.9 |
| 108         | 20.8  | 14.9   | 22.3 |





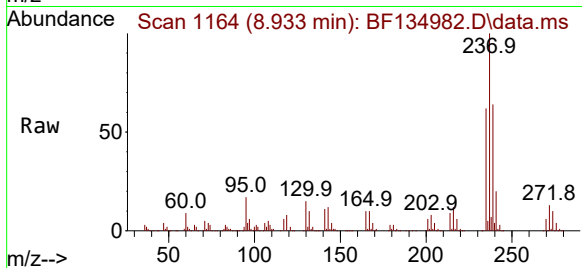
#41  
Hexachlorocyclopentadiene  
Concen: 104.965 ng  
RT: 8.933 min Scan# 1164  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

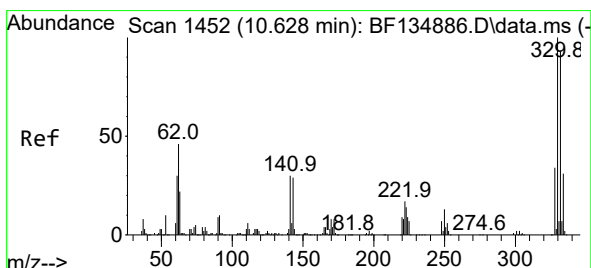
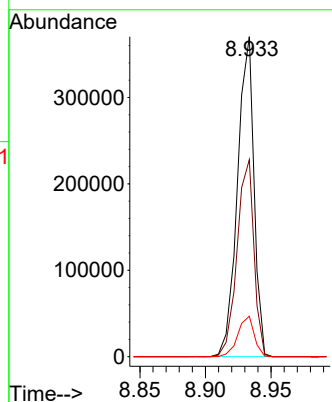
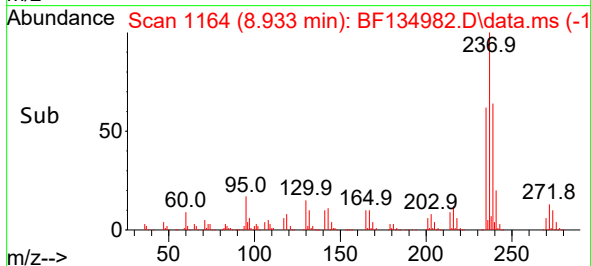


Tgt Ion:237 Resp: 32529  
Ion Ratio Lower Upper  
237 100  
235 61.5 43.1 83.1  
272 12.6 0.0 32.6

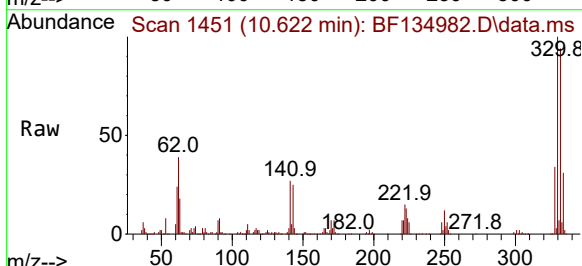
Manual Integrations

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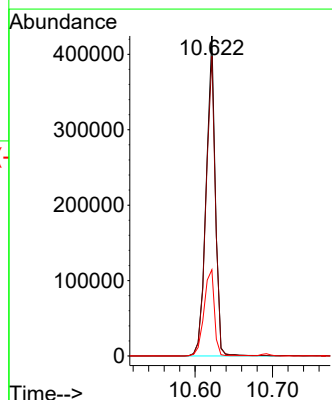
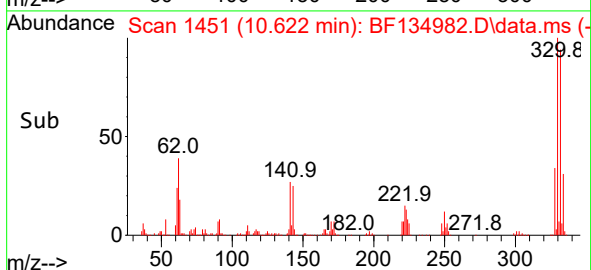
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

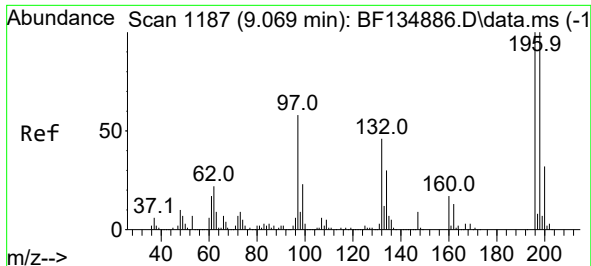


#42  
2,4,6-Tribromophenol  
Concen: 128.397 ng  
RT: 10.622 min Scan# 1451  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:330 Resp: 347372  
Ion Ratio Lower Upper  
330 100  
332 95.9 76.3 114.5  
141 30.7 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 45.648 ng

RT: 9.063 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF134982.D

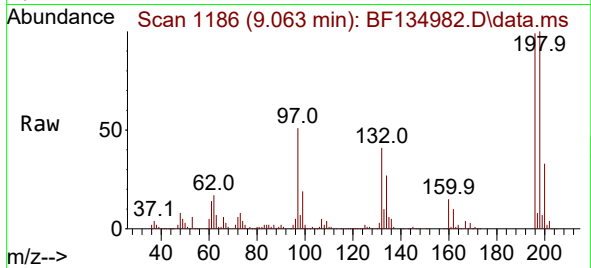
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS



Tgt Ion:196 Resp: 211020

Ion Ratio Lower Upper

196 100

198 101.2 79.8 119.6

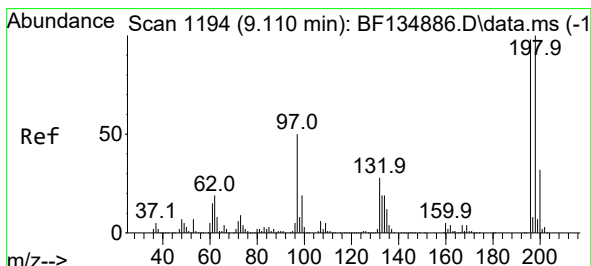
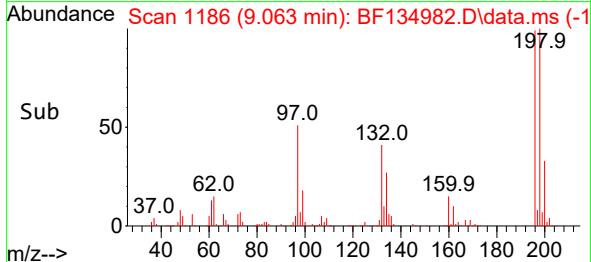
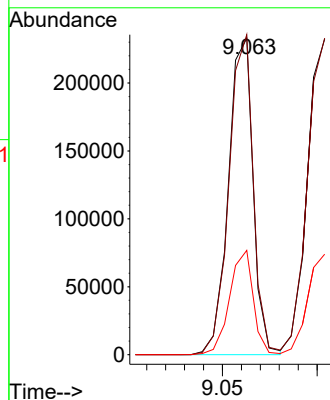
200 33.0 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#44

2,4,5-Trichlorophenol

Concen: 41.143 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Tgt Ion:196 Resp: 220200

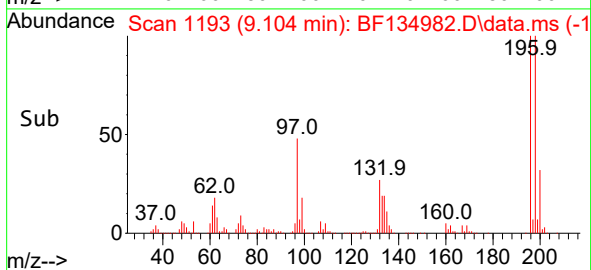
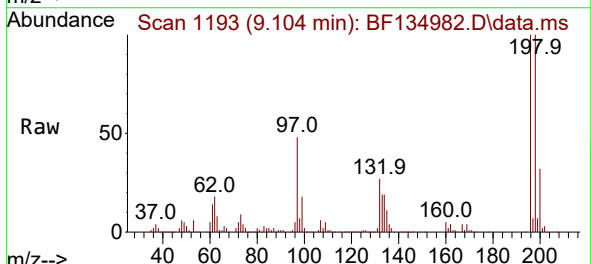
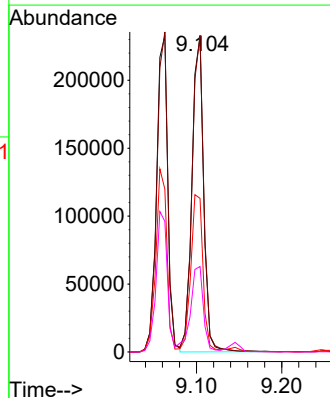
Ion Ratio Lower Upper

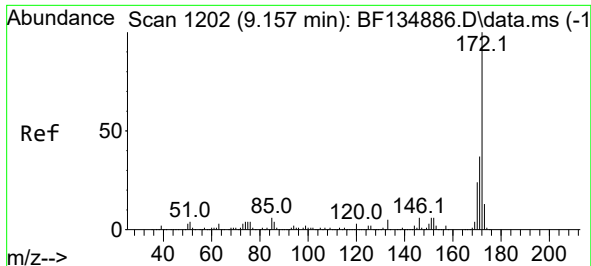
196 100

198 100.3 81.8 122.6

97 48.6 41.3 61.9

132 27.0 23.0 34.4





#45

2-Fluorobiphenyl

Concen: 86.712 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134982.D

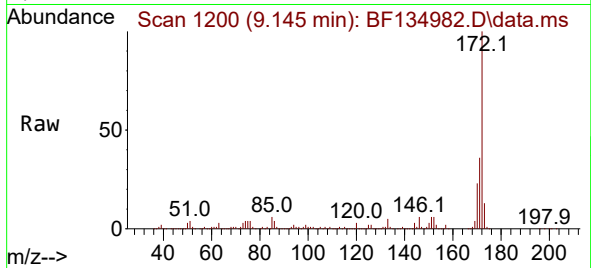
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS



Tgt Ion:172 Resp: 1288508

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

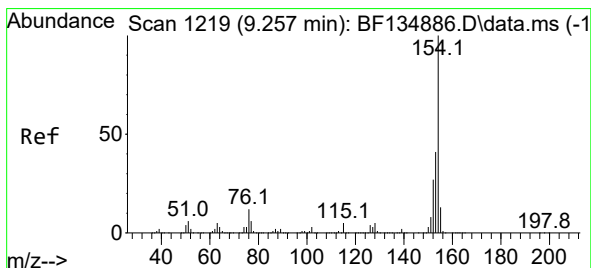
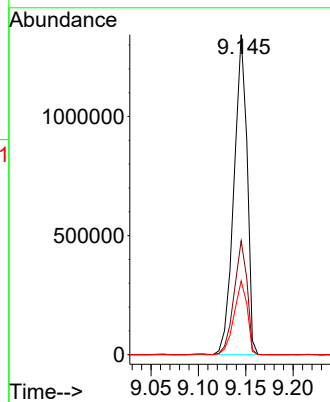
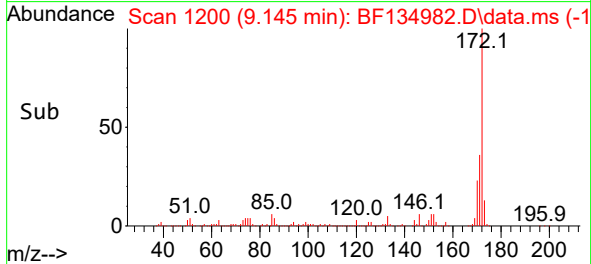
170 23.1 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#46

1,1'-Biphenyl

Concen: 44.153 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

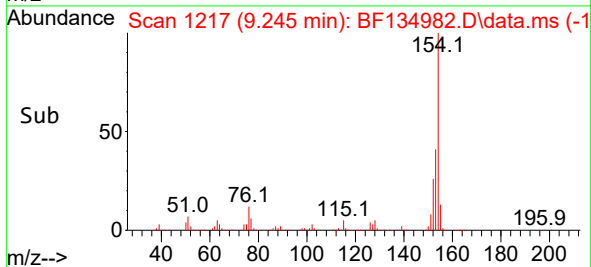
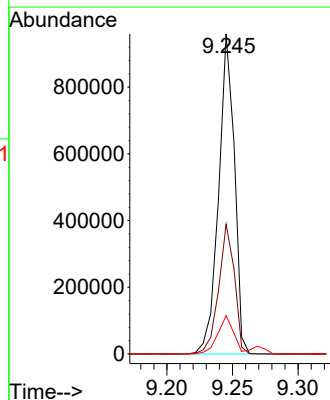
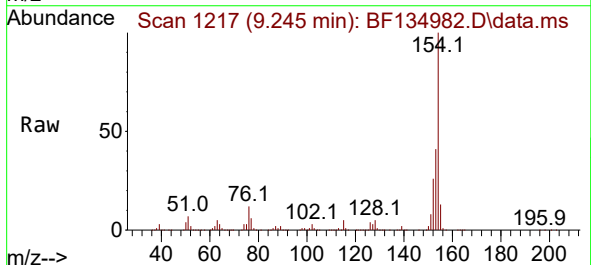
Tgt Ion:154 Resp: 800724

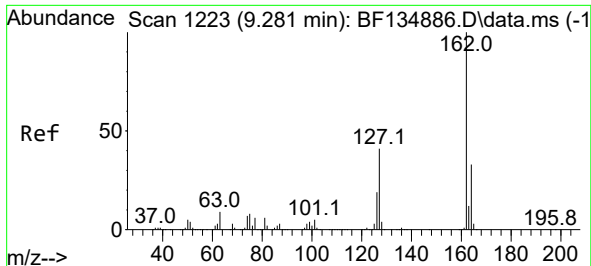
Ion Ratio Lower Upper

154 100

153 40.5 21.3 61.3

76 12.0 0.0 31.8





#47

2-Chloronaphthalene

Concen: 45.192 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

Tgt Ion:162 Resp: 61206

Ion Ratio Lower Upper

162 100

127 43.6 33.4 50.0

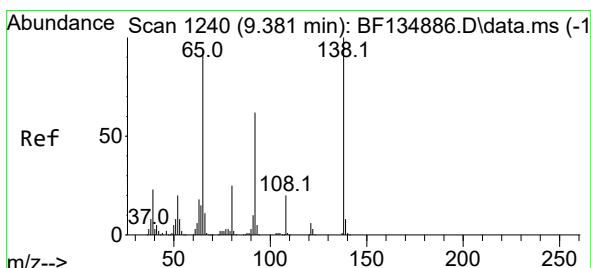
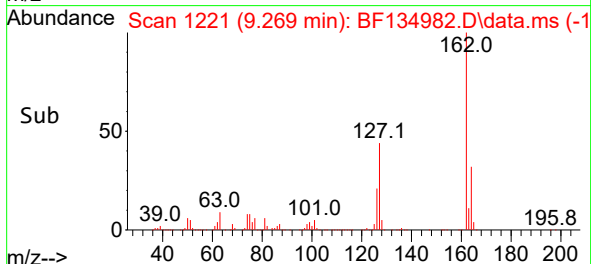
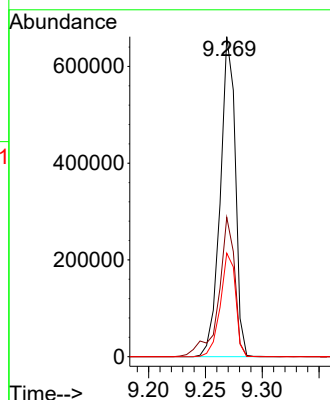
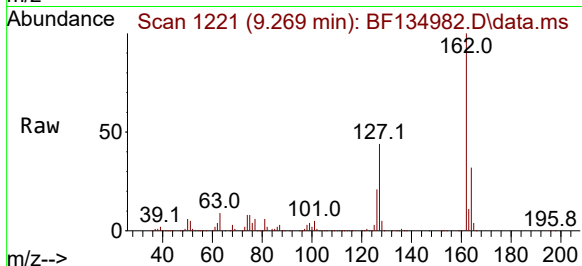
164 32.4 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#48

2-Nitroaniline

Concen: 45.495 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.012 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

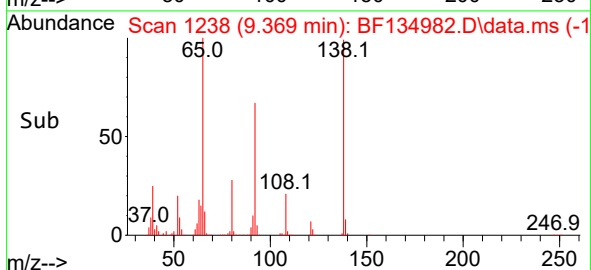
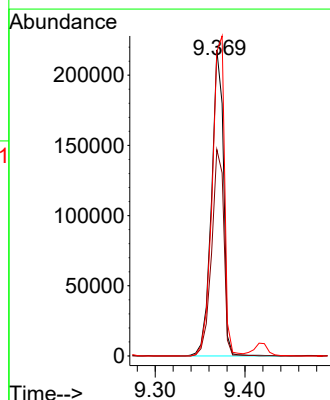
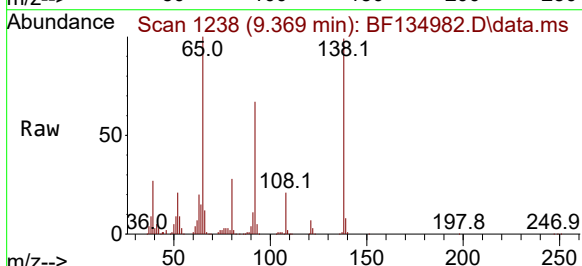
Tgt Ion: 65 Resp: 202545

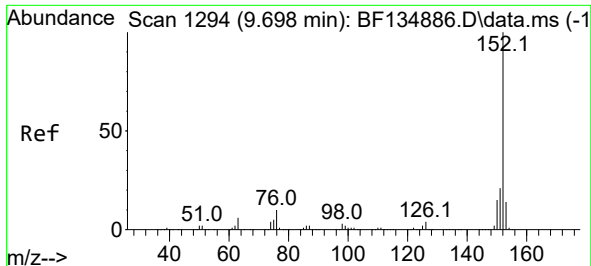
Ion Ratio Lower Upper

65 100

92 67.4 53.8 80.8

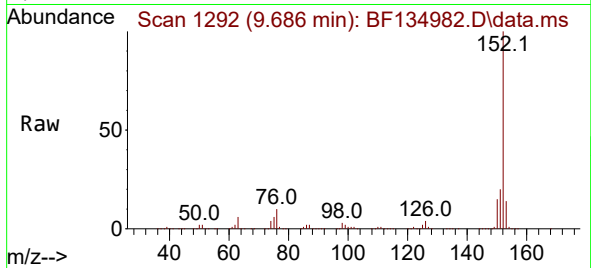
138 99.4 86.5 129.7





#49  
Acenaphthylene  
Concen: 44.797 ng  
RT: 9.686 min Scan# 1292  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

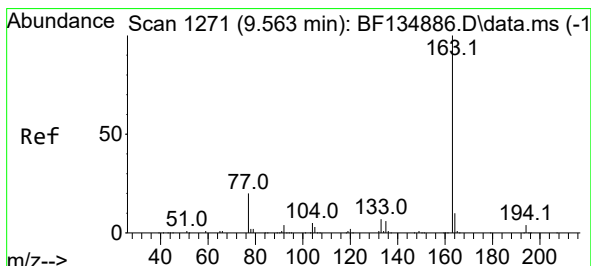
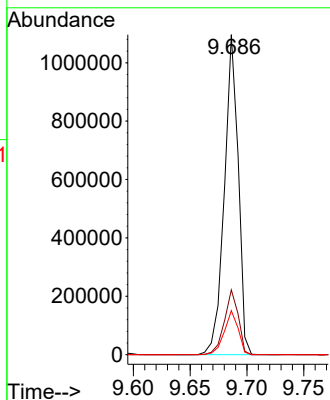
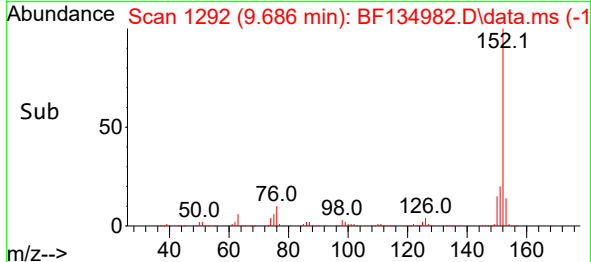
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



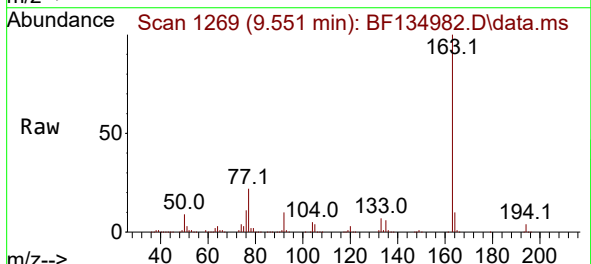
Tgt Ion:152 Resp: 934339  
Ion Ratio Lower Upper  
152 100  
151 20.3 16.5 24.7  
153 13.7 11.3 16.9

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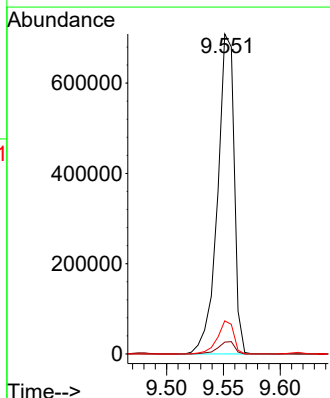
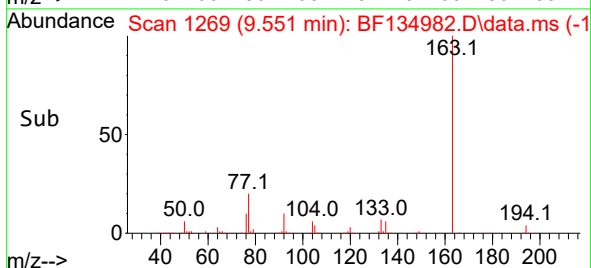
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

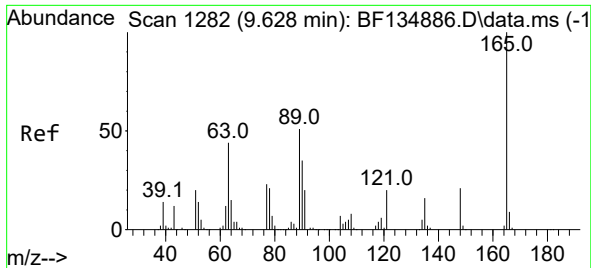


#50  
Dimethylphthalate  
Concen: 44.319 ng  
RT: 9.551 min Scan# 1269  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:163 Resp: 724668  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.2 4.8  
164 10.4 8.2 12.4





#51  
2,6-Dinitrotoluene  
Concen: 45.541 ng  
RT: 9.616 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

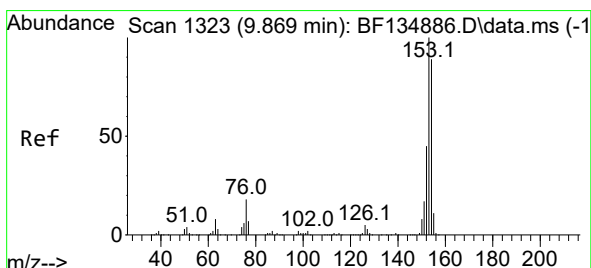
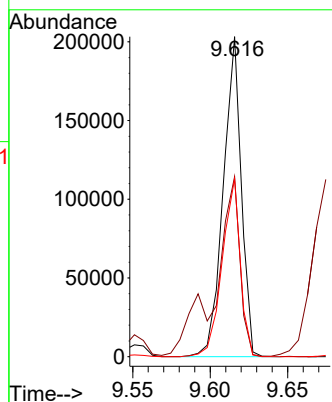
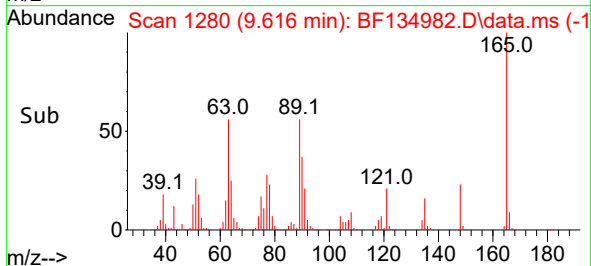
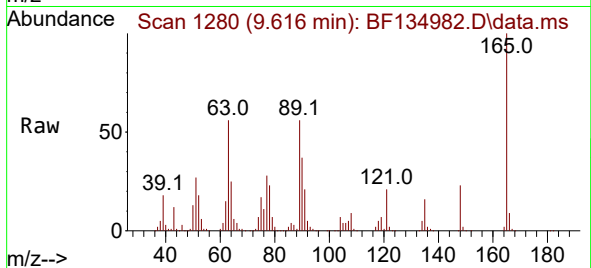
PB155132BS

Tgt Ion:165 Resp: 164238  
Ion Ratio Lower Upper  
165 100  
63 56.2 41.4 62.2  
89 55.7 40.9 61.3

Manual Integrations

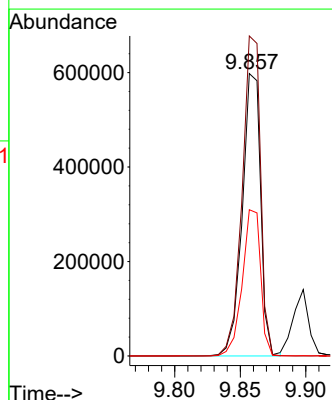
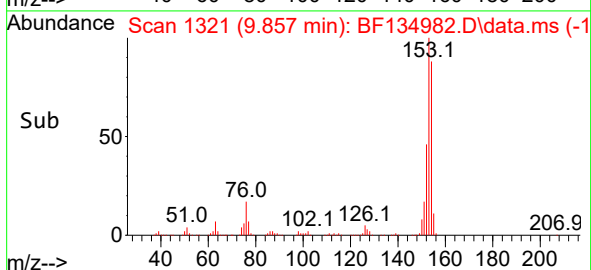
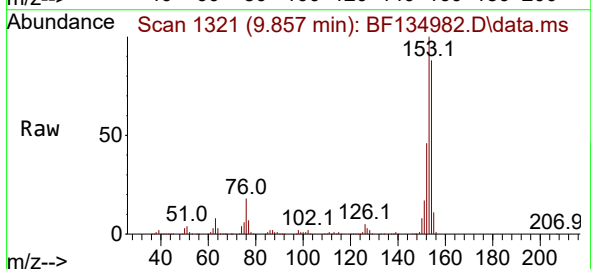
APPROVED

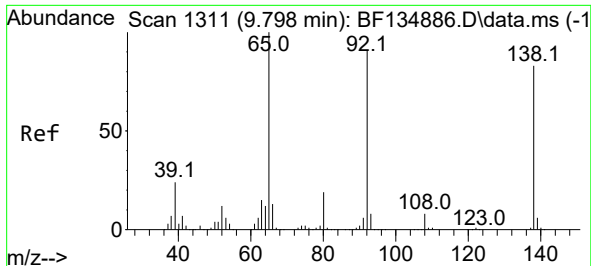
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#52  
Acenaphthene  
Concen: 44.516 ng  
RT: 9.857 min Scan# 1321  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:154 Resp: 584915  
Ion Ratio Lower Upper  
154 100  
153 113.3 89.6 134.4  
152 51.8 40.5 60.7





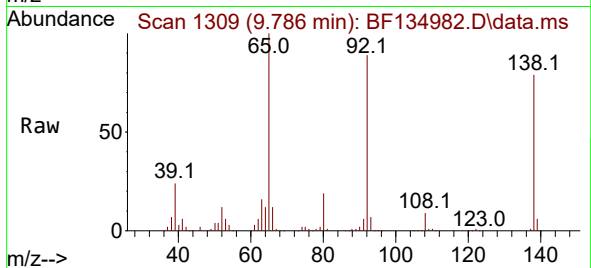
#53  
3-Nitroaniline  
Concen: 40.247 ng  
RT: 9.786 min Scan# 1309  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

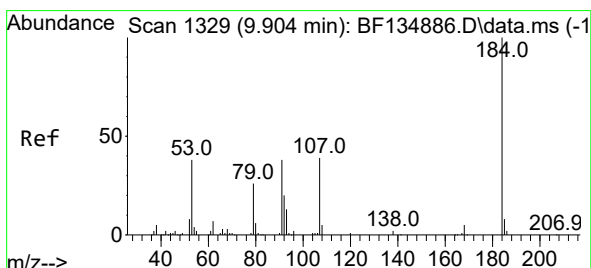
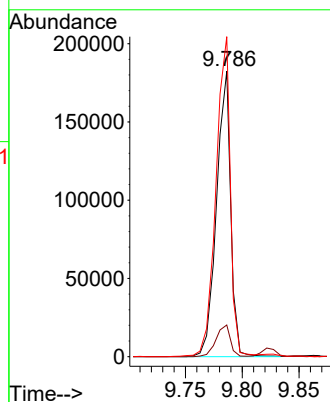
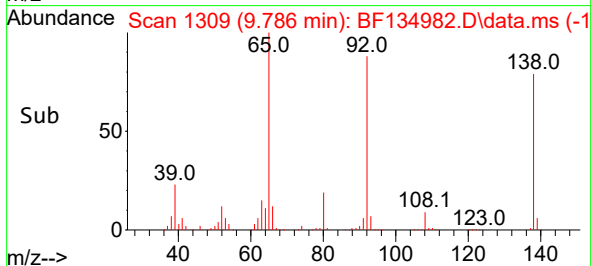


Tgt Ion:138 Resp: 158532  
Ion Ratio Lower Upper  
138 100  
108 11.1 8.0 12.0  
92 112.1 87.6 131.4

Manual Integrations

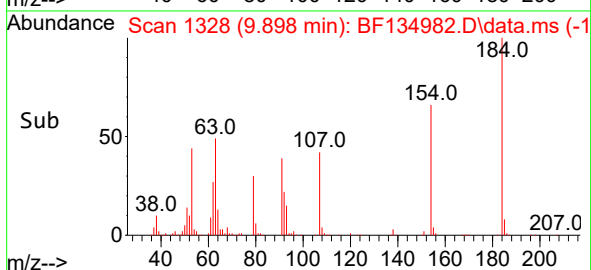
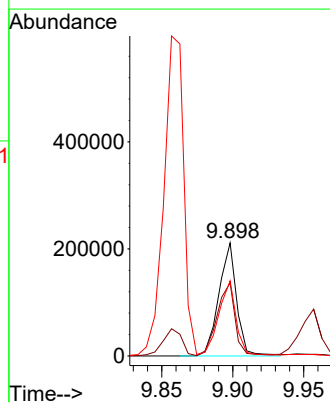
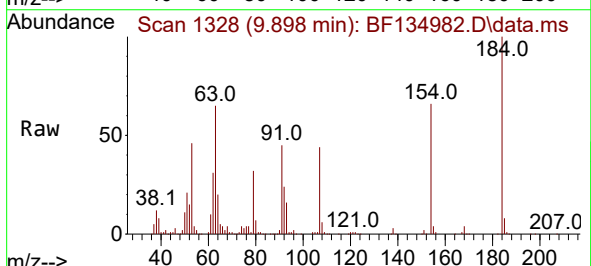
APPROVED

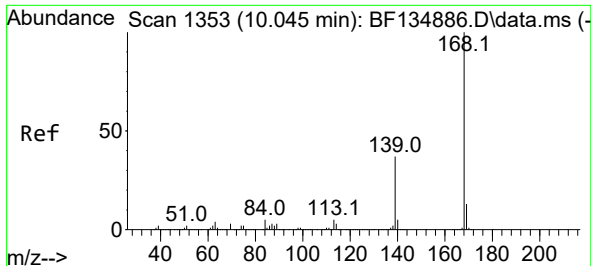
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#54  
2,4-Dinitrophenol  
Concen: 107.750 ng  
RT: 9.898 min Scan# 1328  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

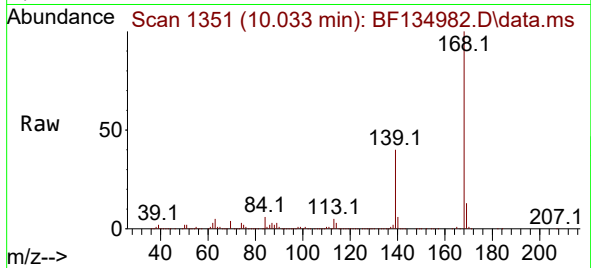
Tgt Ion:184 Resp: 183862  
Ion Ratio Lower Upper  
184 100  
63 64.5 42.8 64.2#  
154 66.4 48.0 72.0





#55  
Dibenzenofuran  
Concen: 44.611 ng  
RT: 10.033 min Scan# 1351  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

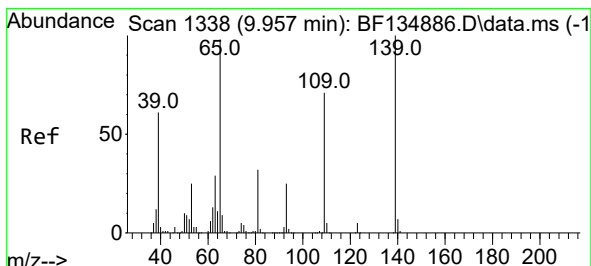
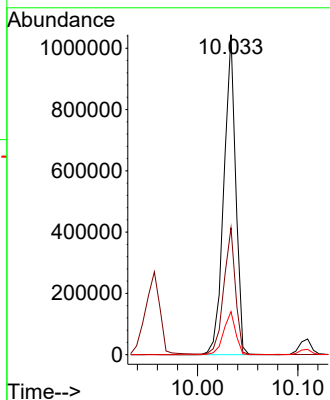
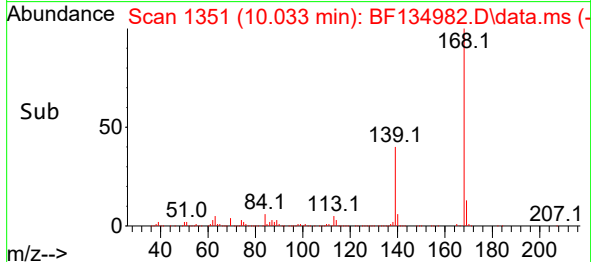
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



Tgt Ion:168 Resp: 853412  
Ion Ratio Lower Upper  
168 100  
139 39.6 29.5 44.3  
169 13.4 10.7 16.1

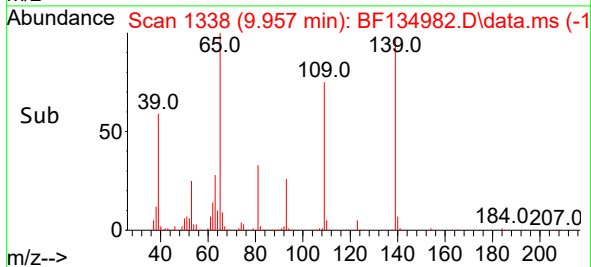
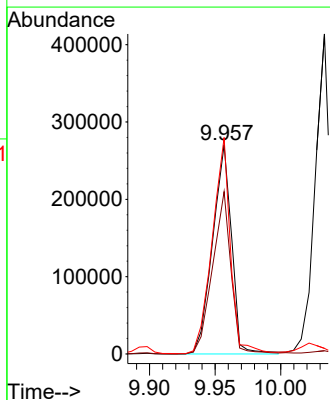
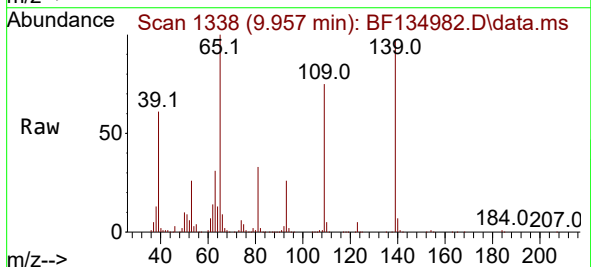
Manual Integrations  
APPROVED

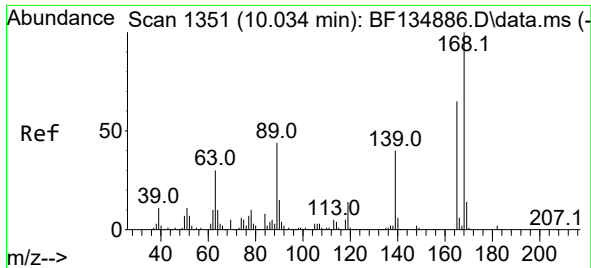
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#56  
4-Nitrophenol  
Concen: 99.273 ng  
RT: 9.957 min Scan# 1338  
Delta R.T. -0.000 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:139 Resp: 272508  
Ion Ratio Lower Upper  
139 100  
109 77.7 51.0 91.0  
65 103.5 78.5 118.5





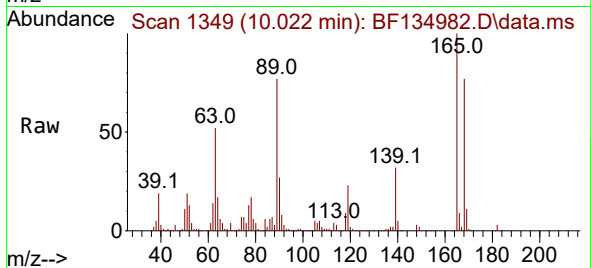
#57  
2,4-Dinitrotoluene  
Concen: 47.876 ng  
RT: 10.022 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

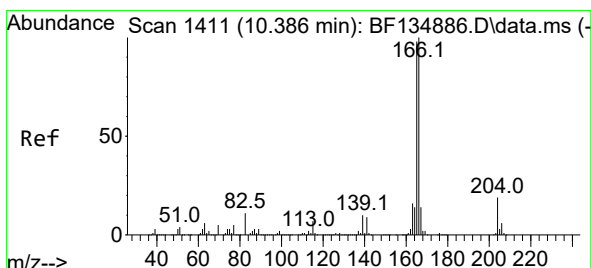
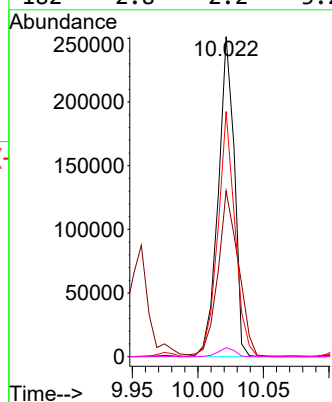
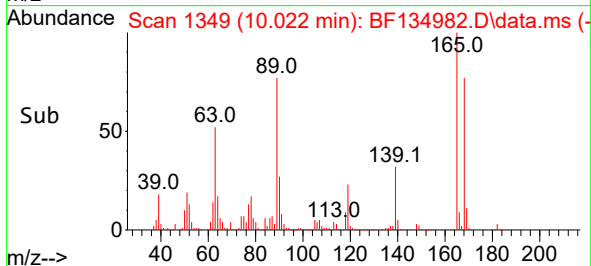


Tgt Ion:165 Resp: 213520  
Ion Ratio Lower Upper  
165 100  
63 51.8 37.7 56.5  
89 76.6 54.2 81.4  
182 2.8 2.2 3.2

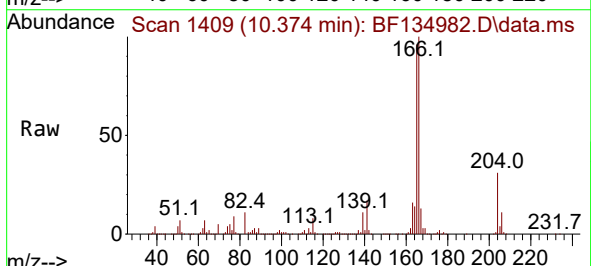
Manual Integrations

APPROVED

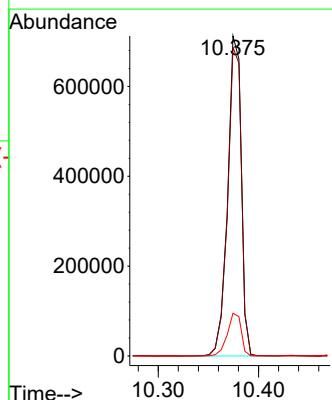
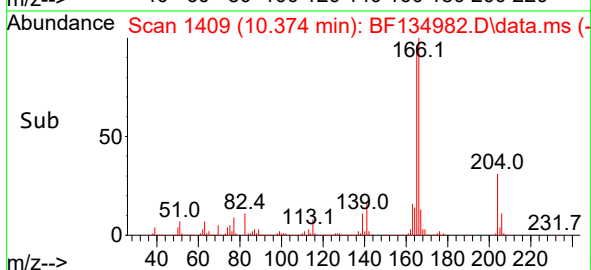
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

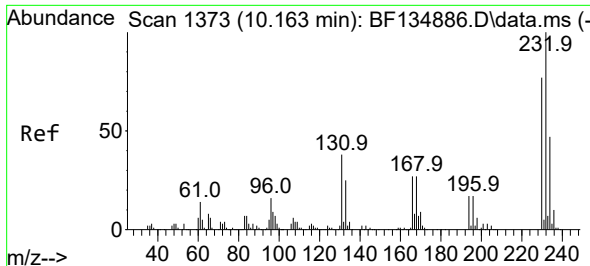


#58  
Fluorene  
Concen: 46.165 ng  
RT: 10.374 min Scan# 1409  
Delta R.T. -0.011 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



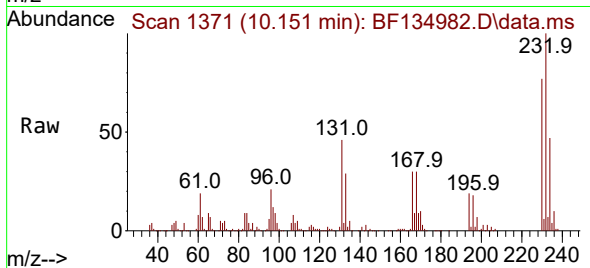
Tgt Ion:166 Resp: 669825  
Ion Ratio Lower Upper  
166 100  
165 96.4 78.5 117.7  
167 13.4 11.0 16.6





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 46.362 ng  
RT: 10.151 min Scan# 1371  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

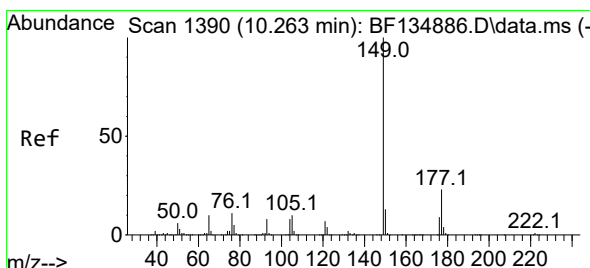
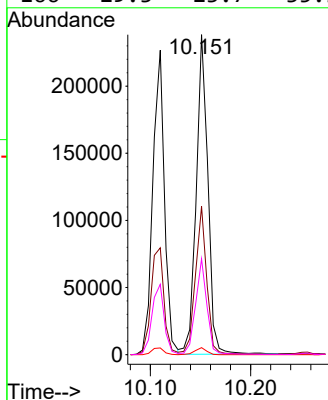
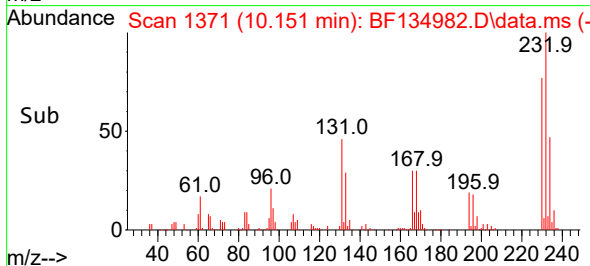
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



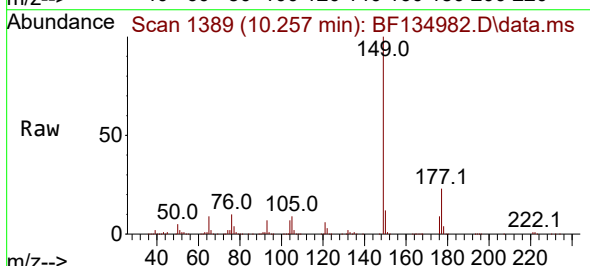
Tgt Ion:232 Resp: 193325  
Ion Ratio Lower Upper  
232 100  
131 45.3 33.9 50.9  
130 2.2 1.6 2.4  
166 29.3 23.7 35.5

Manual Integrations  
APPROVED

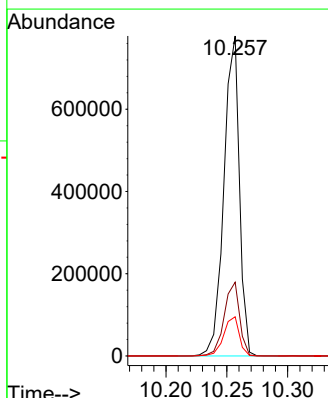
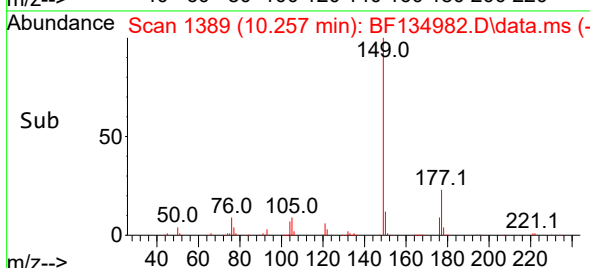
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

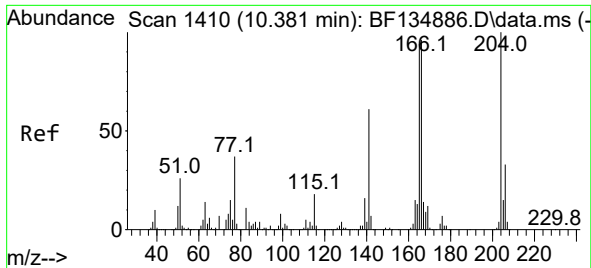


#60  
Diethylphthalate  
Concen: 46.073 ng  
RT: 10.257 min Scan# 1389  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



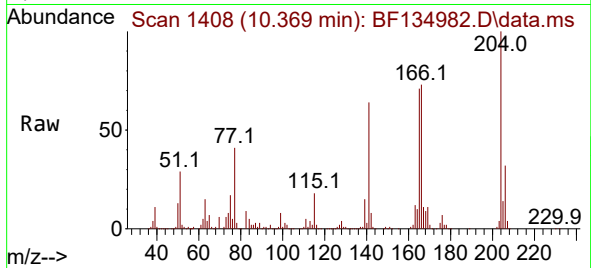
Tgt Ion:149 Resp: 690206  
Ion Ratio Lower Upper  
149 100  
177 23.1 18.4 27.6  
150 12.2 10.3 15.5





#61  
4-Chlorophenyl-phenylether  
Concen: 44.850 ng  
RT: 10.369 min Scan# 1408  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

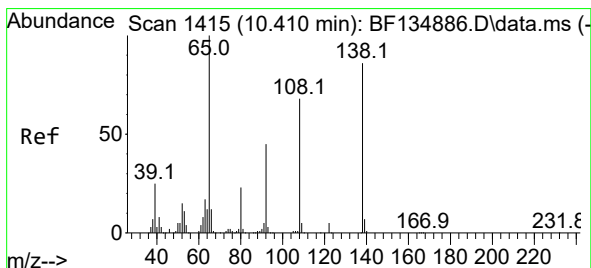
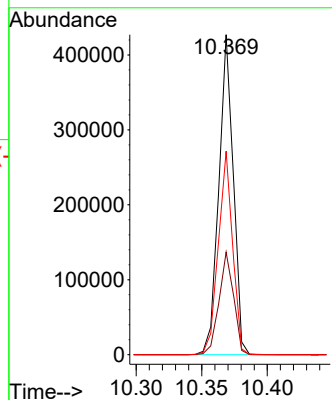
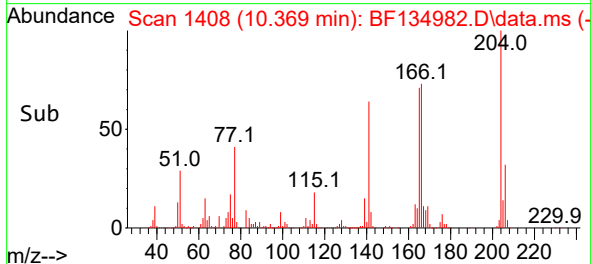
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



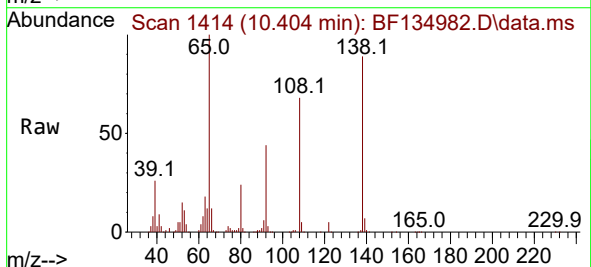
Tgt Ion:204 Resp: 32621  
Ion Ratio Lower Upper  
204 100  
206 32.0 26.3 39.5  
141 63.6 48.6 73.0

Manual Integrations  
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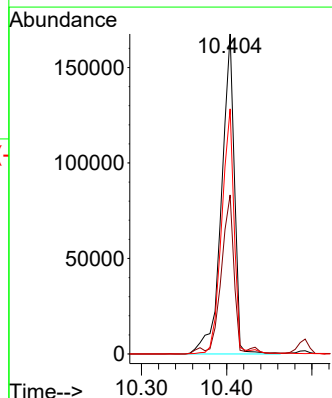
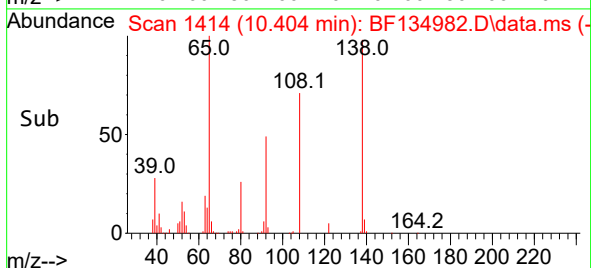
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

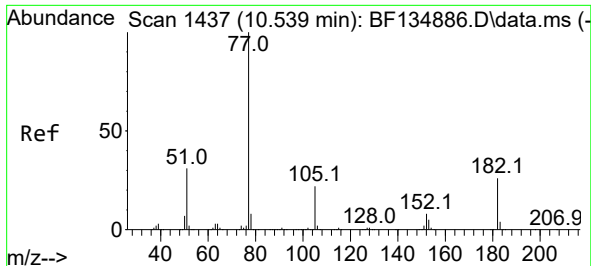


#62  
4-Nitroaniline  
Concen: 48.013 ng  
RT: 10.404 min Scan# 1414  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:138 Resp: 176797  
Ion Ratio Lower Upper  
138 100  
92 49.7 32.5 72.5  
108 76.6 58.6 98.6





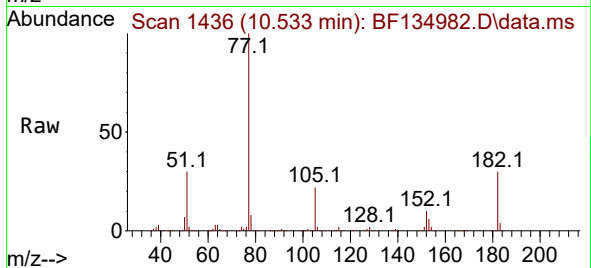
#63  
Azobenzene  
Concen: 44.928 ng  
RT: 10.533 min Scan# 1436  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

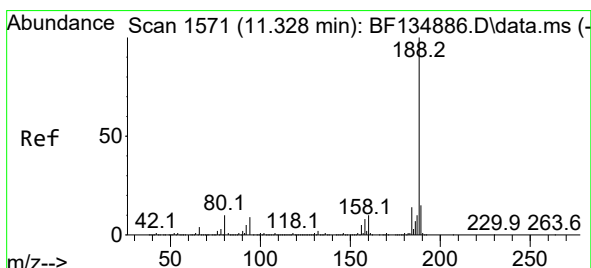
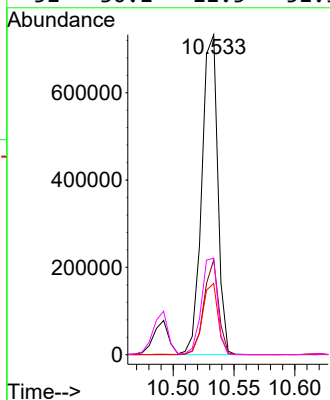
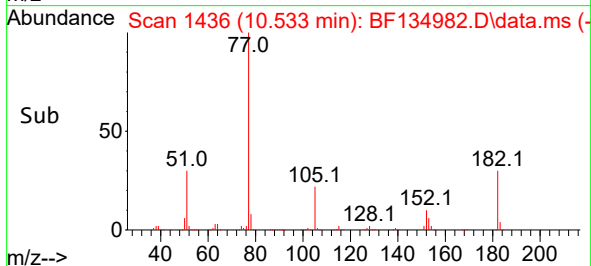


Tgt Ion: 77 Resp: 668629  
Ion Ratio Lower Upper  
77 100  
182 29.7 5.8 45.8  
105 22.3 1.6 41.6  
51 30.1 11.5 51.5

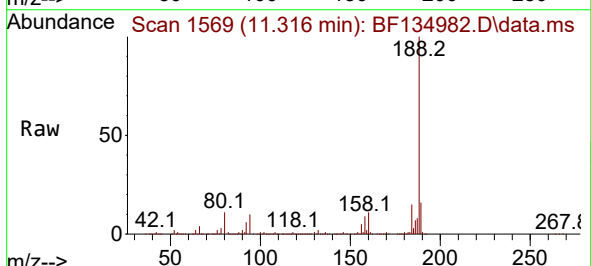
Manual Integrations

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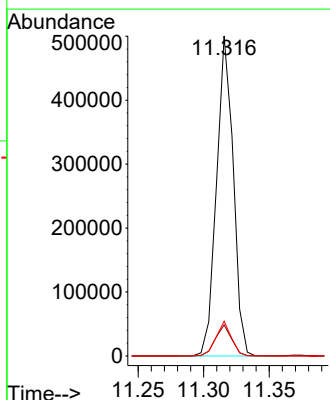
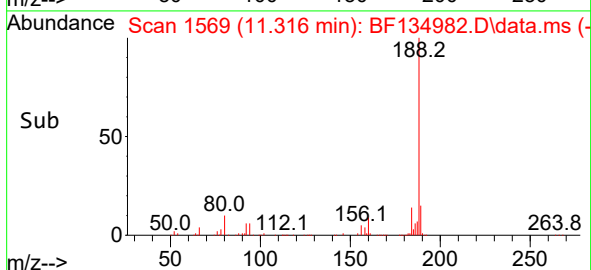
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

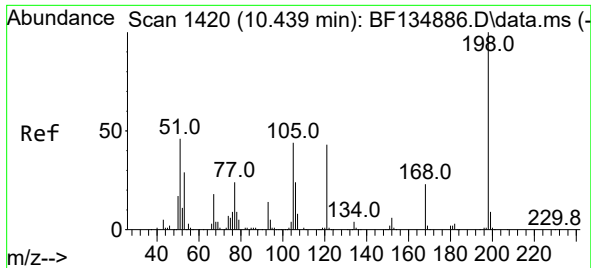


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.316 min Scan# 1569  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:188 Resp: 442279  
Ion Ratio Lower Upper  
188 100  
94 9.7 7.5 11.3  
80 10.9 7.8 11.6





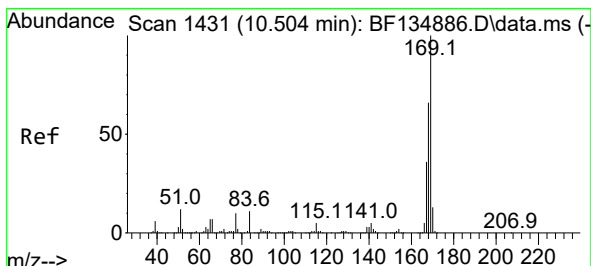
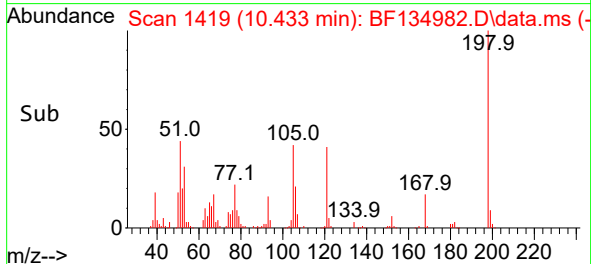
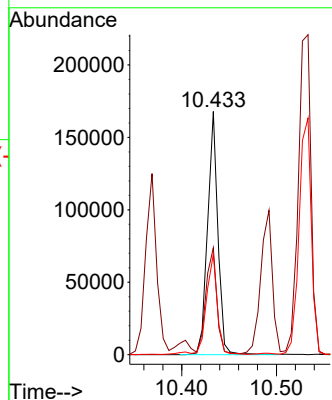
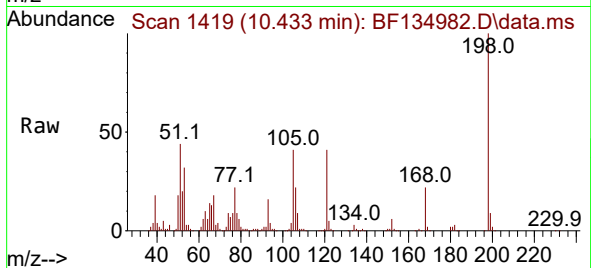
#65  
4,6-Dinitro-2-methylphenol  
Concen: 48.499 ng  
RT: 10.433 min Scan# 1419  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS

Tgt Ion:198 Resp: 126570  
Ion Ratio Lower Upper  
198 100  
51 44.0 30.3 70.3  
105 41.2 24.5 64.5

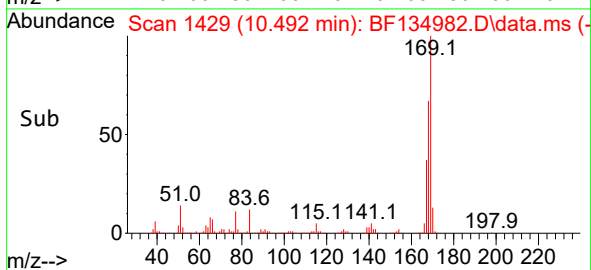
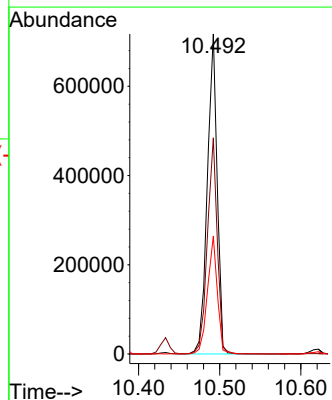
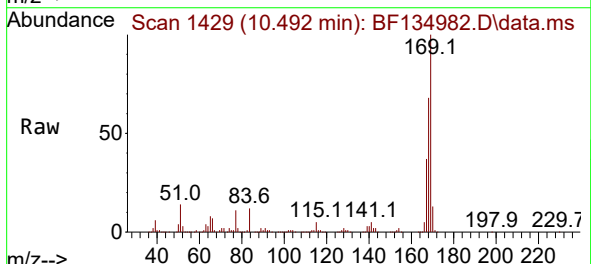
Manual Integrations  
APPROVED

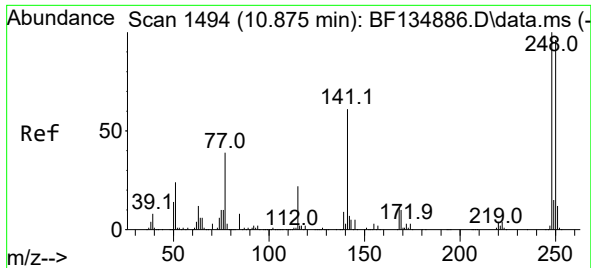
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#66  
n-Nitrosodiphenylamine  
Concen: 42.274 ng  
RT: 10.492 min Scan# 1429  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

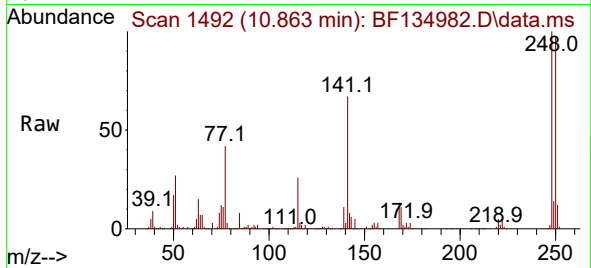
Tgt Ion:169 Resp: 602095  
Ion Ratio Lower Upper  
169 100  
168 67.5 53.0 79.6  
167 36.8 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 42.218 ng  
RT: 10.863 min Scan# 1492  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

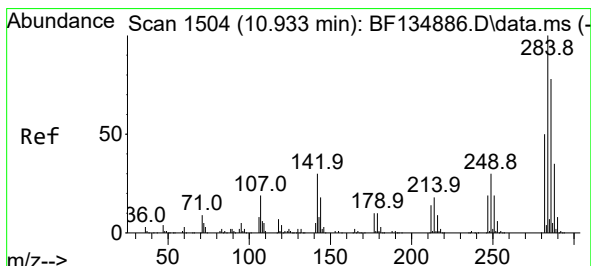
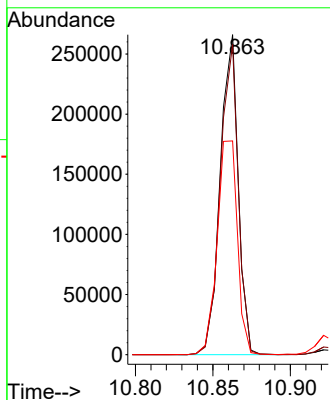
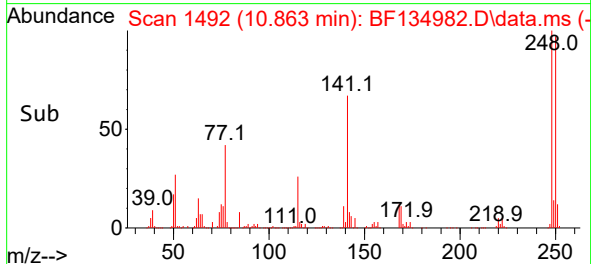
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



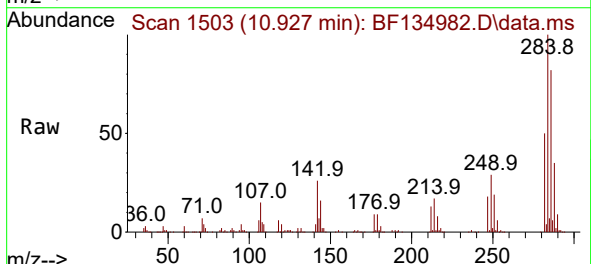
Tgt Ion:248 Resp: 215419  
Ion Ratio Lower Upper  
248 100  
250 96.9 77.1 115.7  
141 66.8 49.0 73.4

Manual Integrations  
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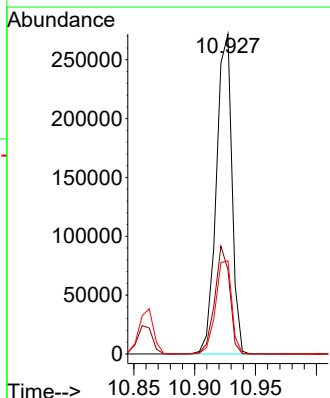
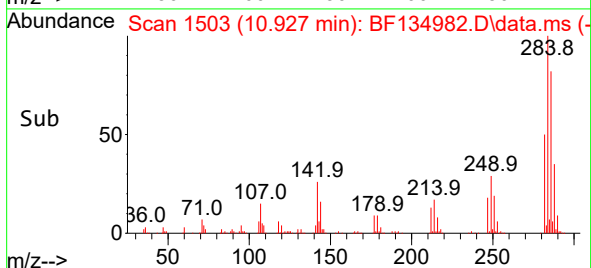
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

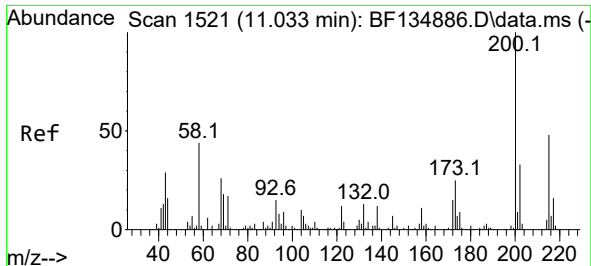


#68  
Hexachlorobenzene  
Concen: 44.744 ng  
RT: 10.927 min Scan# 1503  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



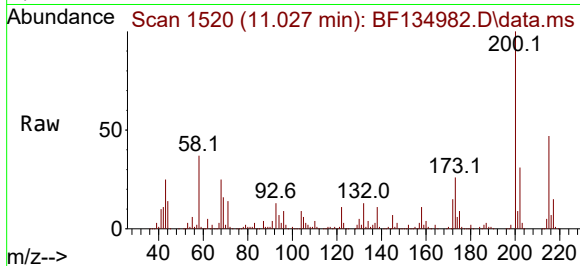
Tgt Ion:284 Resp: 242817  
Ion Ratio Lower Upper  
284 100  
142 26.3 23.9 35.9  
249 29.1 24.1 36.1





#69  
Atrazine  
Concen: 54.757 ng  
RT: 11.027 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

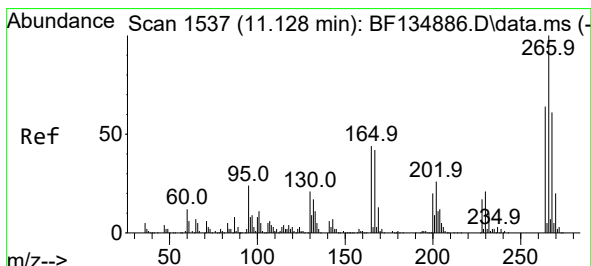
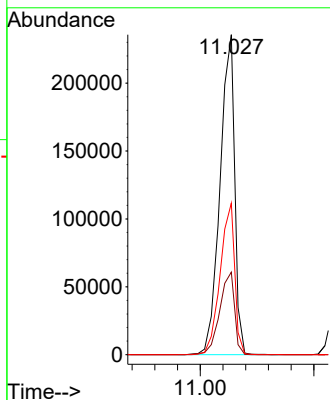
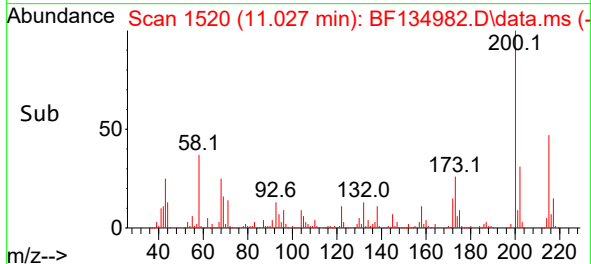
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



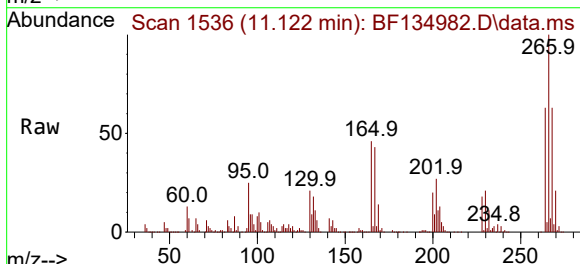
Tgt Ion:200 Resp: 21177  
Ion Ratio Lower Upper  
200 100  
173 25.8 5.3 45.3  
215 47.3 28.3 68.3

Manual Integrations  
APPROVED

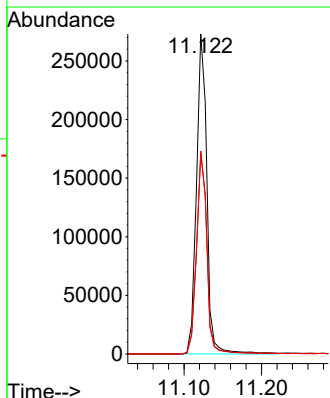
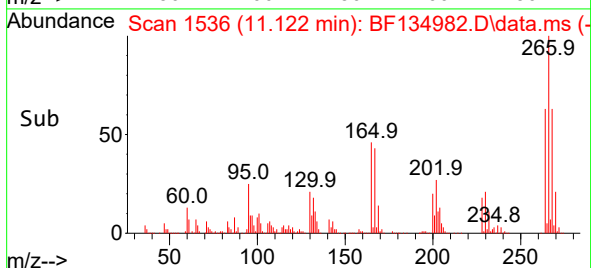
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

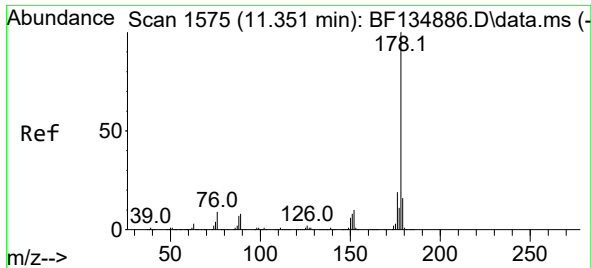


#70  
Pentachlorophenol  
Concen: 77.827 ng  
RT: 11.122 min Scan# 1536  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:266 Resp: 254172  
Ion Ratio Lower Upper  
266 100  
268 62.7 48.9 73.3  
264 63.4 51.0 76.6





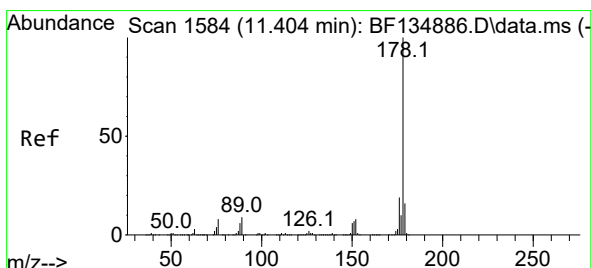
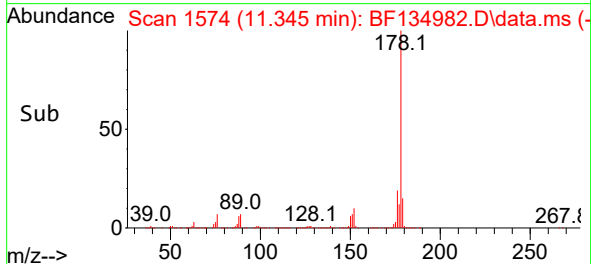
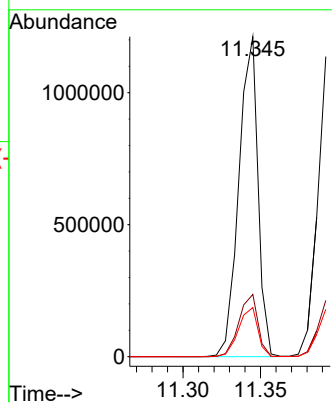
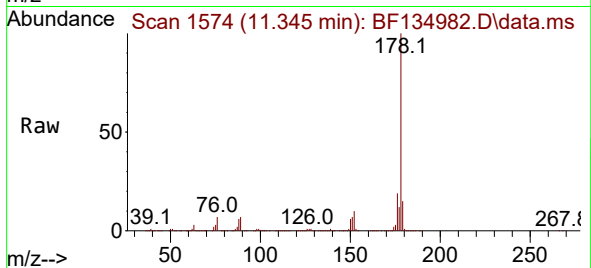
#71  
Phenanthrene  
Concen: 44.836 ng  
RT: 11.345 min Scan# 1575  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS

Tgt Ion:178 Resp: 1039130  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.5 23.3  
179 15.3 12.6 19.0

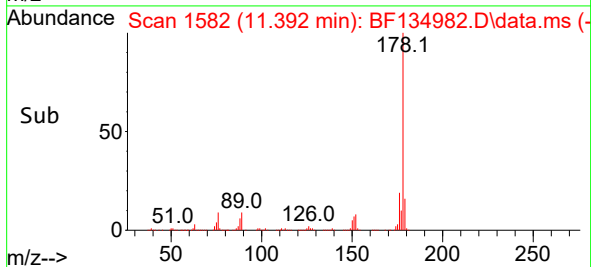
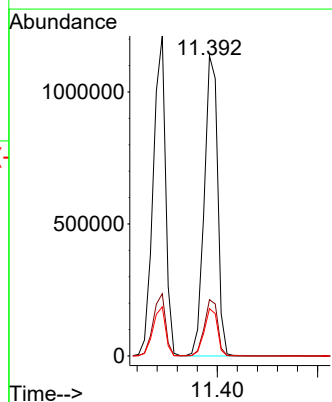
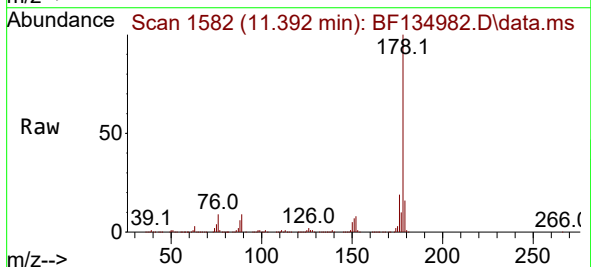
Manual Integrations  
APPROVED

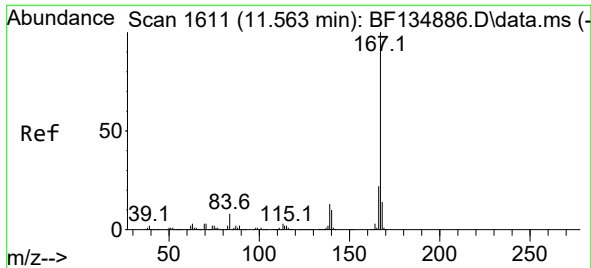
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#72  
Anthracene  
Concen: 44.626 ng  
RT: 11.392 min Scan# 1582  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

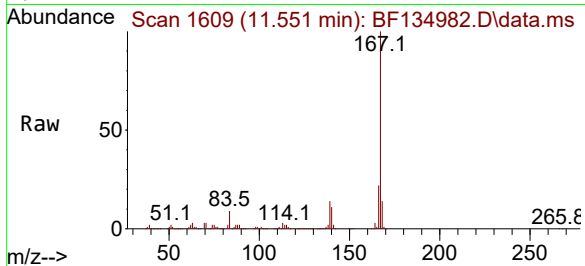
Tgt Ion:178 Resp: 1059692  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.6  
179 15.8 12.5 18.7





#73  
 Carbazole  
 Concen: 46.907 ng  
 RT: 11.551 min Scan# 1609  
 Delta R.T. -0.012 min  
 Lab File: BF134982.D  
 Acq: 29 Aug 2023 14:08

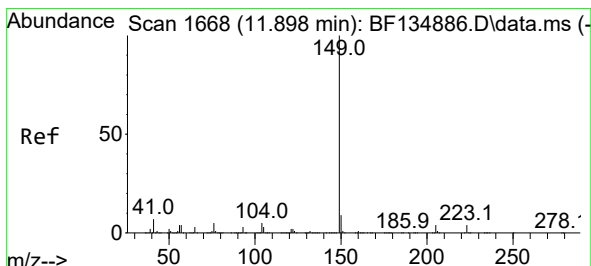
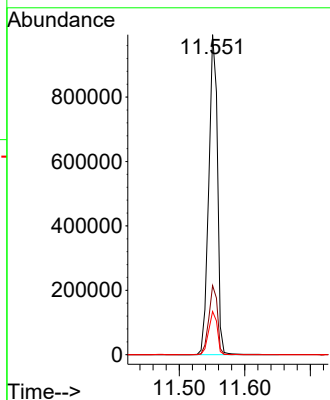
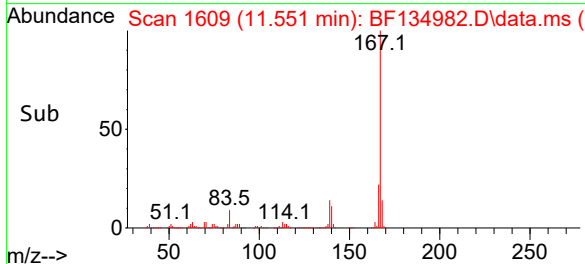
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB155132BS



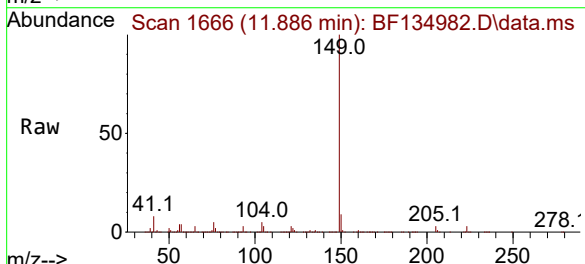
Tgt Ion:167 Resp: 917848  
 Ion Ratio Lower Upper  
 167 100  
 166 21.6 17.4 26.2  
 139 13.5 10.4 15.6

Manual Integrations  
 APPROVED

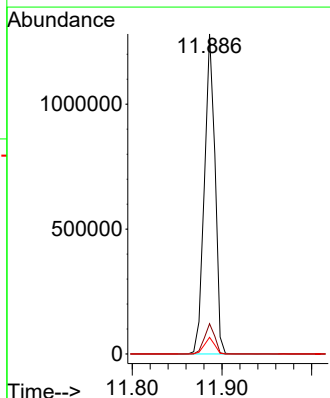
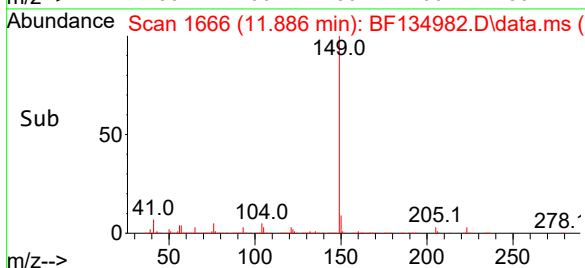
Reviewed By :Yogesh Patel 08/30/2023  
 Supervised By :mohammad ahmed 08/30/2023

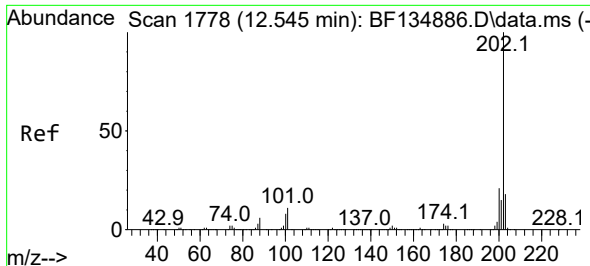


#74  
 Di-n-butylphthalate  
 Concen: 46.652 ng  
 RT: 11.886 min Scan# 1666  
 Delta R.T. -0.012 min  
 Lab File: BF134982.D  
 Acq: 29 Aug 2023 14:08



Tgt Ion:149 Resp: 1046962  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.4 11.2  
 104 5.2 4.1 6.1





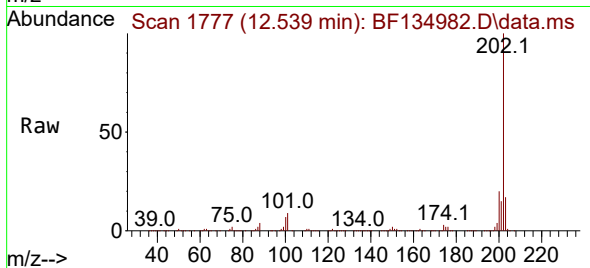
#75  
Fluoranthene  
Concen: 47.799 ng  
RT: 12.539 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS



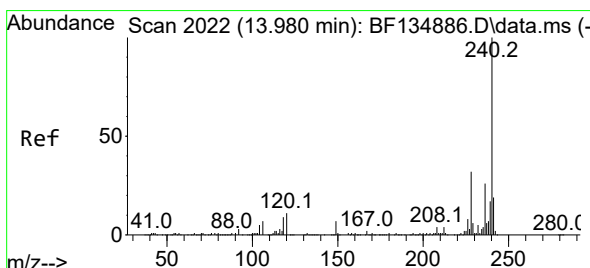
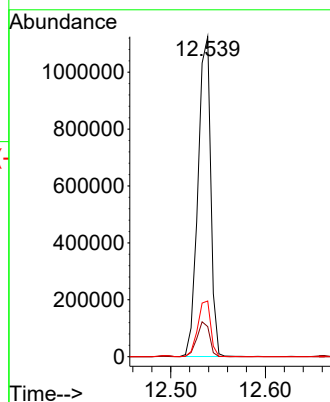
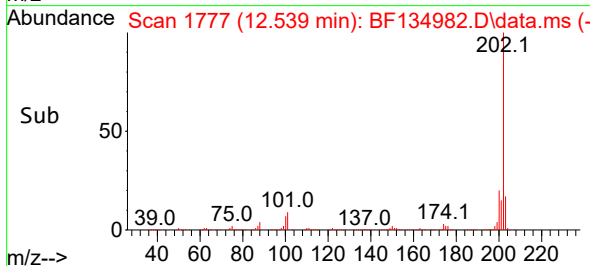
Tgt Ion:202 Resp: 104964  
Ion Ratio Lower Upper  
202 100  
101 9.4 0.0 30.5  
203 17.4 0.0 37.8

Manual Integrations

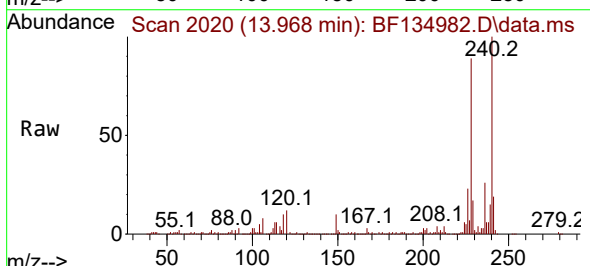
APPROVED

Reviewed By :Yogesh Patel 08/30/2023

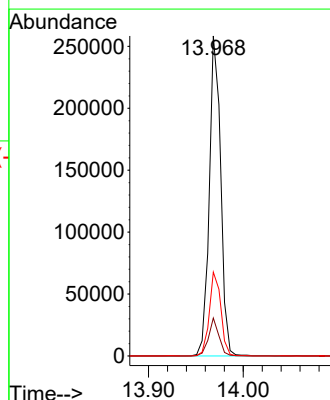
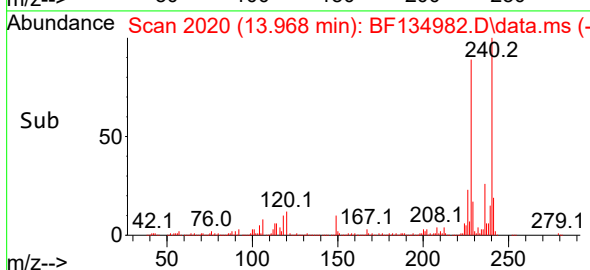
Supervised By :mohammad ahmed 08/30/2023

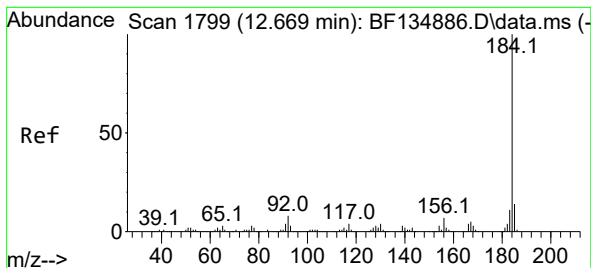


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.968 min Scan# 2020  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:240 Resp: 214924  
Ion Ratio Lower Upper  
240 100  
120 11.9 8.6 12.8  
236 26.2 20.6 31.0





#77

Benzidine

Concen: 134.269 ng

RT: 12.663 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

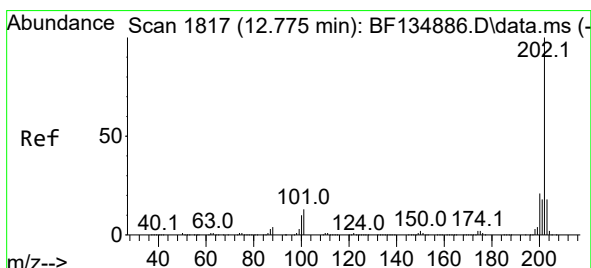
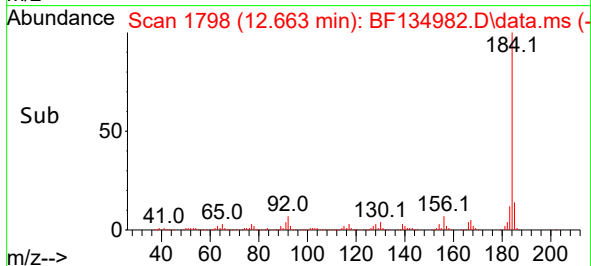
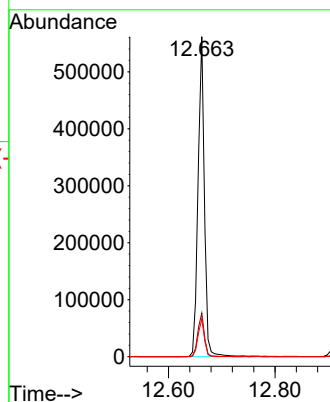
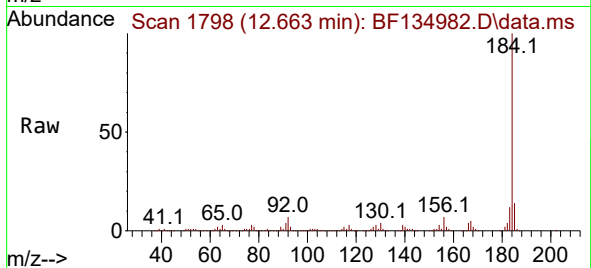
Tgt Ion:184 Resp: 468212  
 Ion Ratio Lower Upper  
 184 100  
 185 13.6 11.4 17.0  
 183 11.8 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#78

Pyrene

Concen: 45.961 ng

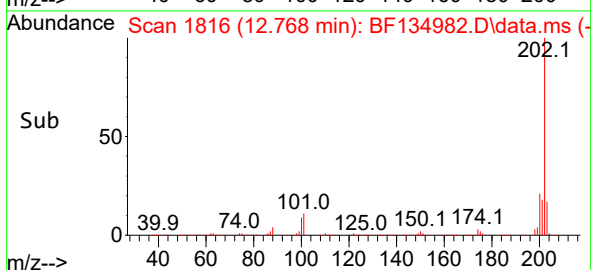
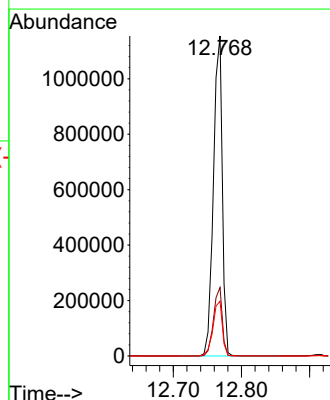
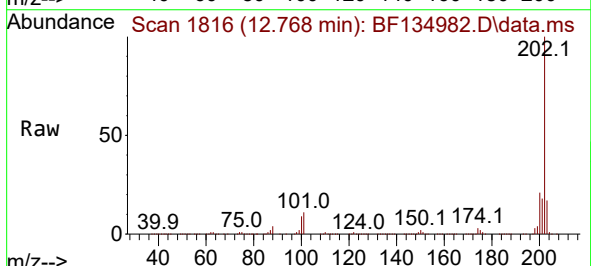
RT: 12.768 min Scan# 1816

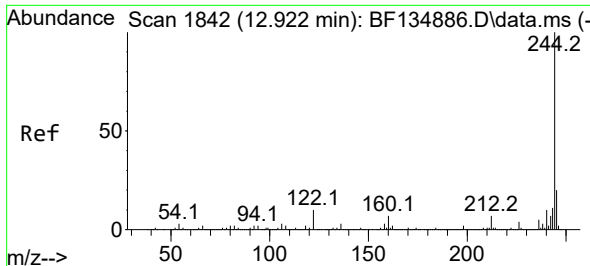
Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

Tgt Ion:202 Resp: 1047346  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 17.1 25.7  
 203 17.1 14.2 21.2





#79  
 Terphenyl-d14  
 Concen: 94.468 ng  
 RT: 12.916 min Scan# 1841  
 Delta R.T. -0.006 min  
 Lab File: BF134982.D  
 Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

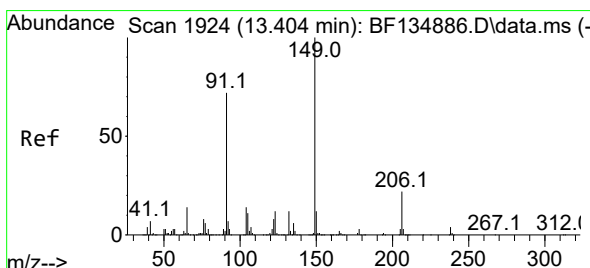
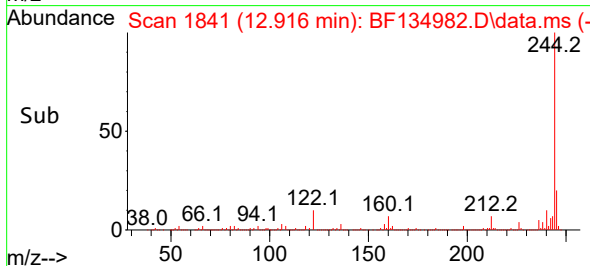
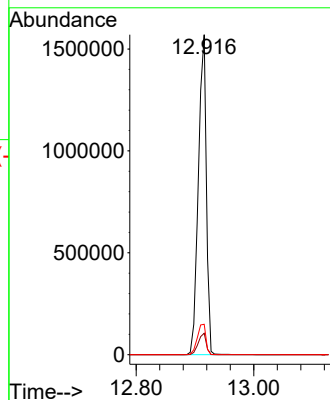
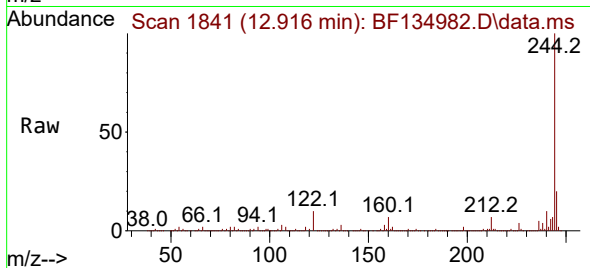
PB155132BS

Tgt Ion:244 Resp: 147618  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 5.4 8.0  
 122 9.5 8.2 12.4

Manual Integrations

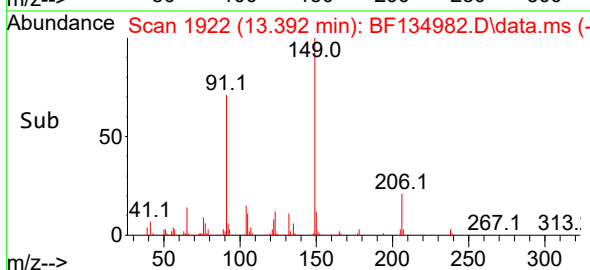
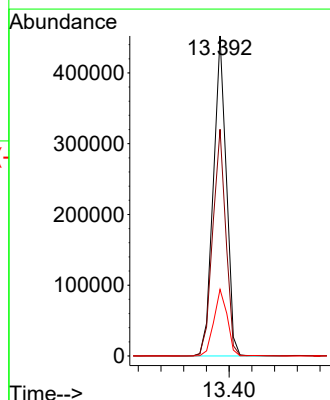
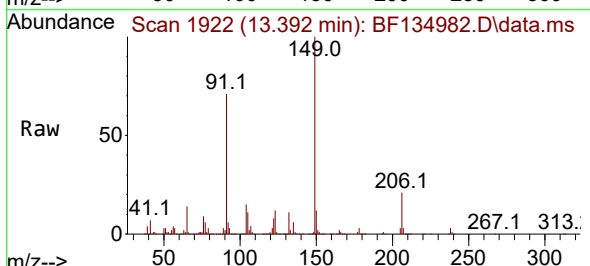
APPROVED

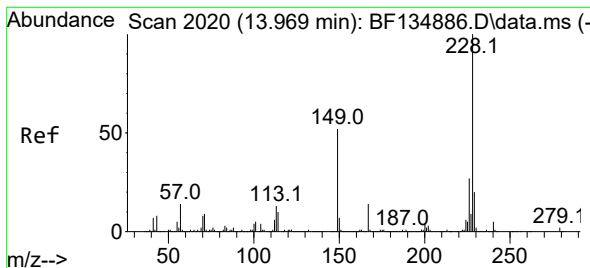
Reviewed By :Yogesh Patel 08/30/2023  
 Supervised By :mohammad ahmed 08/30/2023



#80  
 Butylbenzylphthalate  
 Concen: 51.705 ng  
 RT: 13.392 min Scan# 1922  
 Delta R.T. -0.012 min  
 Lab File: BF134982.D  
 Acq: 29 Aug 2023 14:08

Tgt Ion:149 Resp: 358975  
 Ion Ratio Lower Upper  
 149 100  
 91 70.9 57.2 85.8  
 206 20.8 18.0 27.0





#81

Benzo(a)anthracene

Concen: 45.232 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134982.D

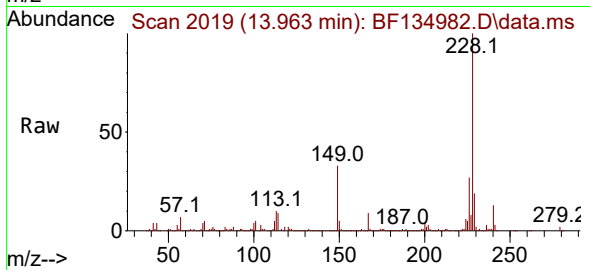
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS



Tgt Ion:228 Resp: 66327

Ion Ratio Lower Upper

228 100

226 27.1 21.8 32.6

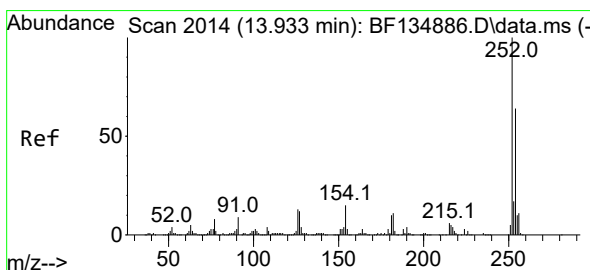
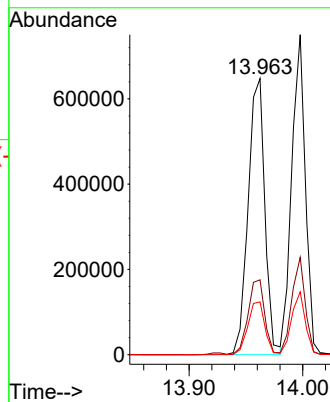
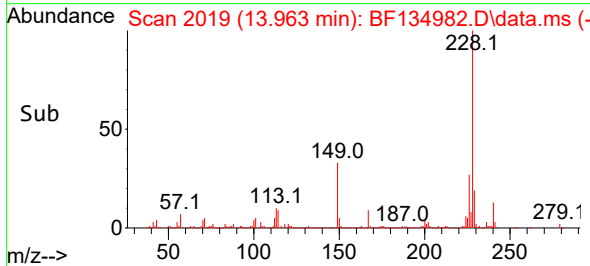
229 19.1 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023

Supervised By :mohammad ahmed 08/30/2023



#82

3,3'-Dichlorobenzidine

Concen: 43.108 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF134982.D

Acq: 29 Aug 2023 14:08

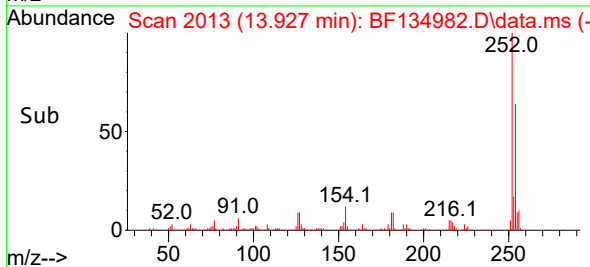
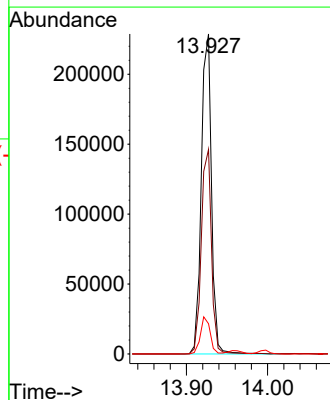
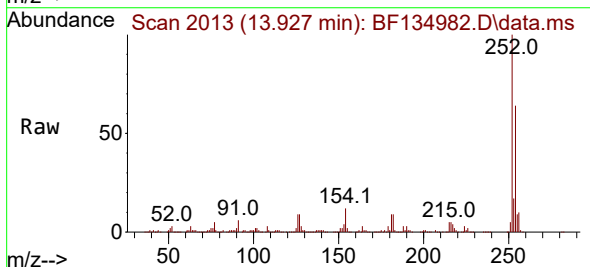
Tgt Ion:252 Resp: 200070

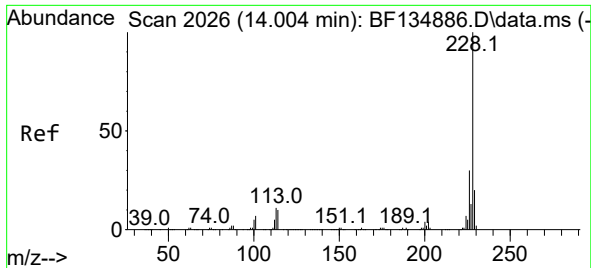
Ion Ratio Lower Upper

252 100

254 63.9 51.6 77.4

126 9.4 10.3 15.5#





#83  
Chrysene  
Concen: 43.423 ng  
RT: 13.998 min Scan# 2018  
Delta R.T. -0.006 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

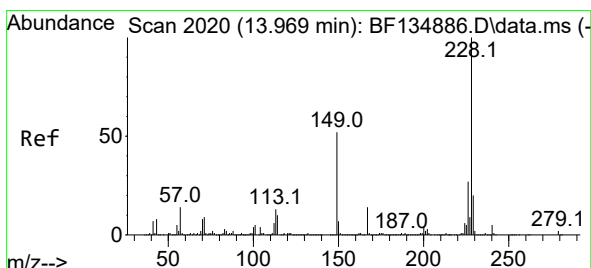
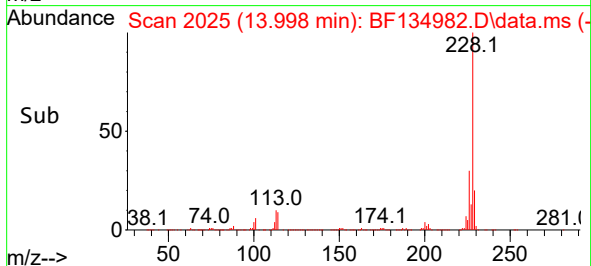
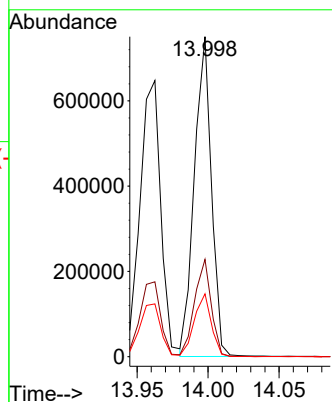
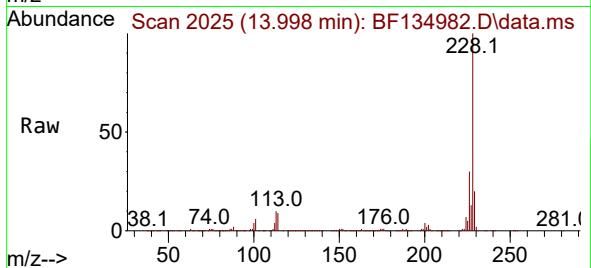
PB155132BS

Tgt Ion:228 Resp: 628254  
Ion Ratio Lower Upper  
228 100  
226 30.4 24.2 36.2  
229 19.6 16.0 24.0

Manual Integrations

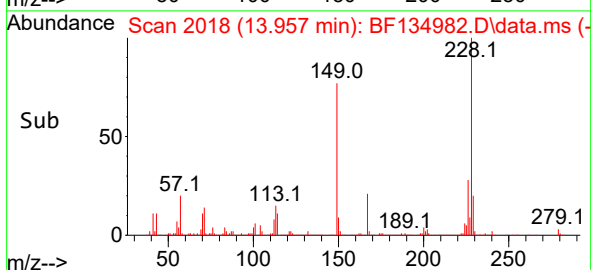
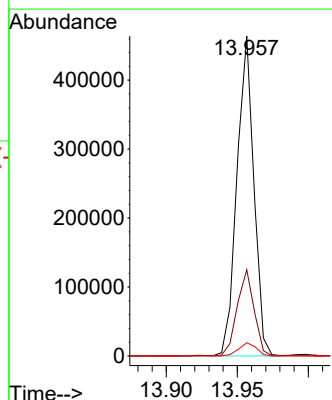
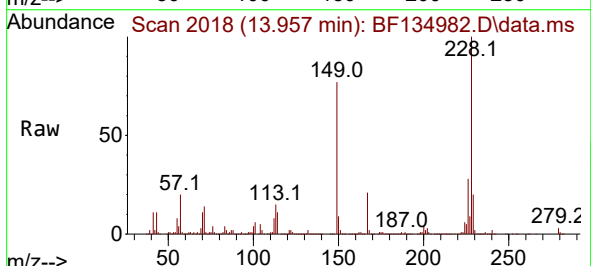
APPROVED

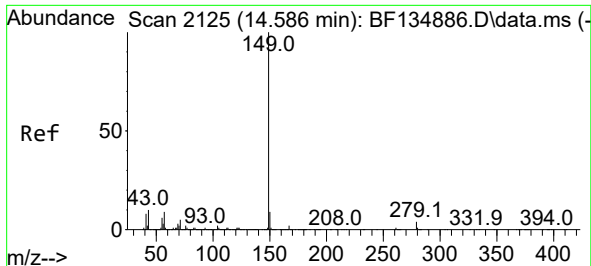
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 51.247 ng  
RT: 13.957 min Scan# 2018  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:149 Resp: 385413  
Ion Ratio Lower Upper  
149 100  
167 26.9 22.1 33.1  
279 4.1 3.6 5.4





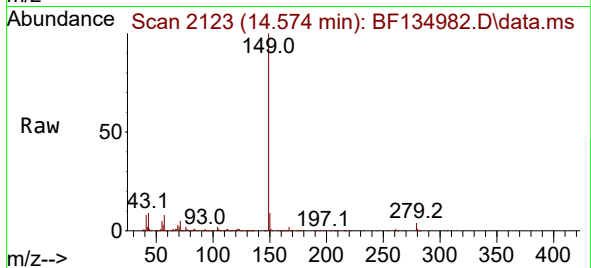
#85  
Di-n-octyl phthalate  
Concen: 43.826 ng  
RT: 14.574 min Scan# 2125  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

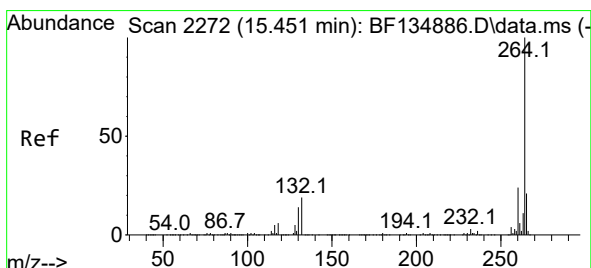
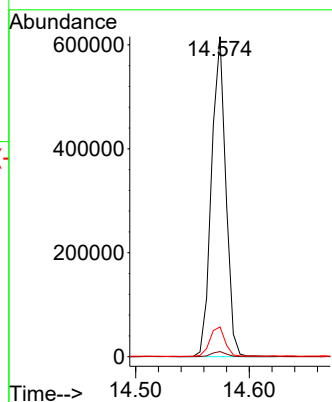
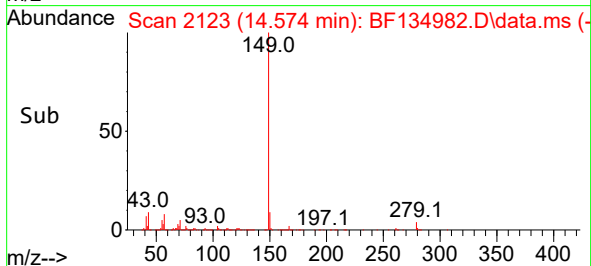


Tgt Ion:149 Resp: 53746  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.2 1.8  
43 9.9 8.3 12.5

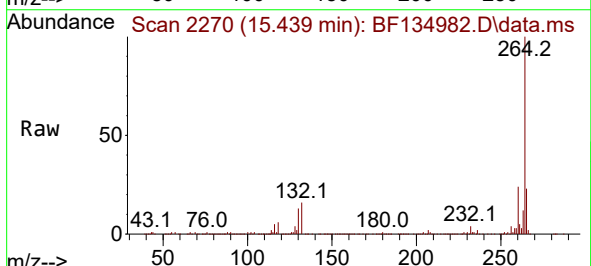
Manual Integrations

APPROVED

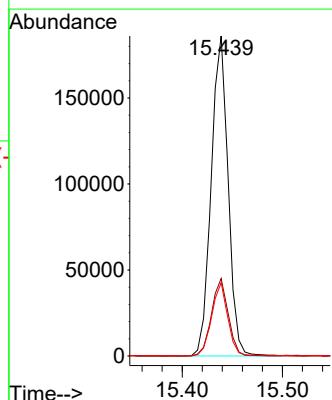
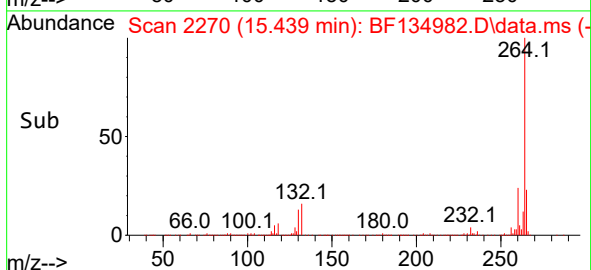
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

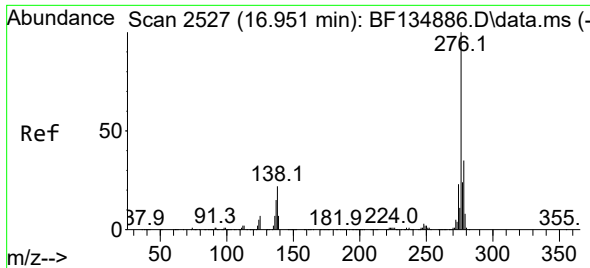


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.439 min Scan# 2270  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



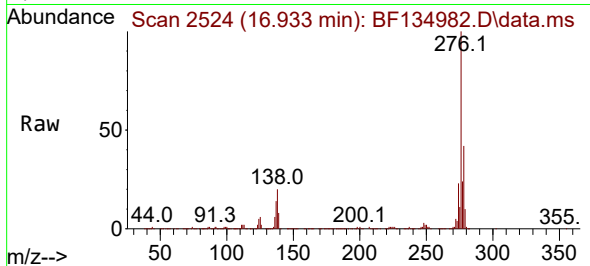
Tgt Ion:264 Resp: 218267  
Ion Ratio Lower Upper  
264 100  
260 24.2 19.0 28.6  
265 22.9 17.1 25.7





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.044 ng  
RT: 16.933 min Scan# 2193  
Delta R.T. -0.018 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

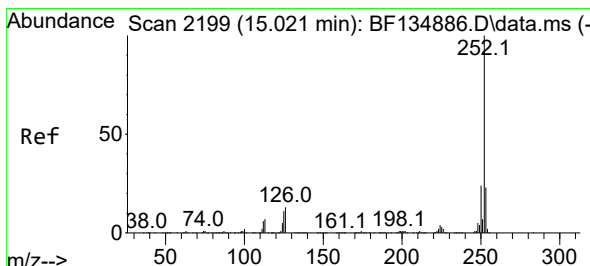
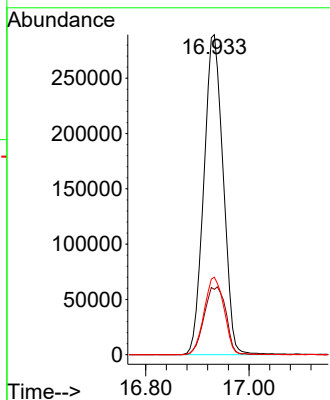
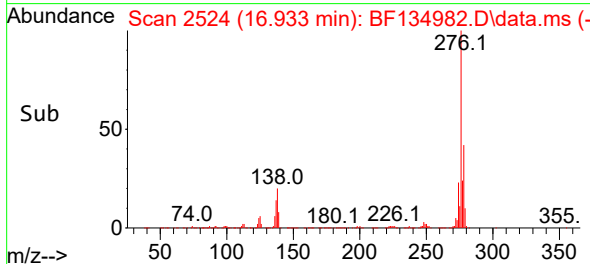
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



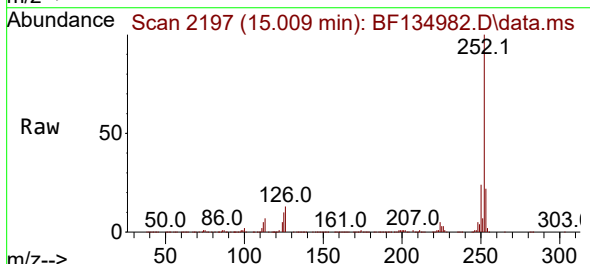
Tgt Ion:276 Resp: 749554  
Ion Ratio Lower Upper  
276 100  
138 24.1 19.7 29.5  
277 25.0 20.1 30.1

Manual Integrations  
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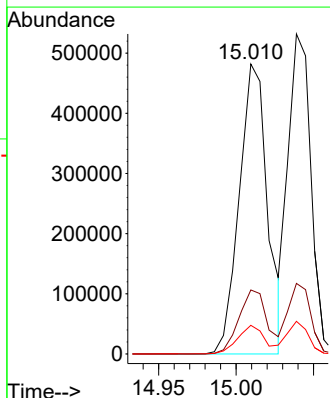
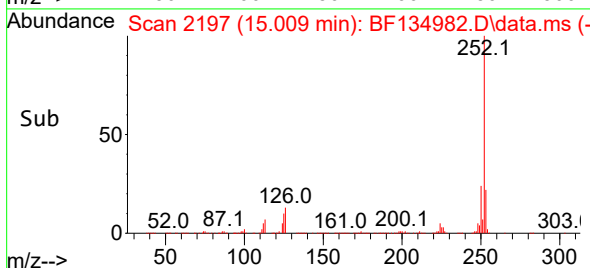
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023

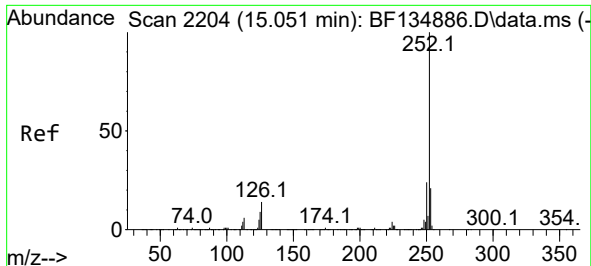


#88  
Benzo(b)fluoranthene  
Concen: 49.744 ng  
RT: 15.009 min Scan# 2197  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



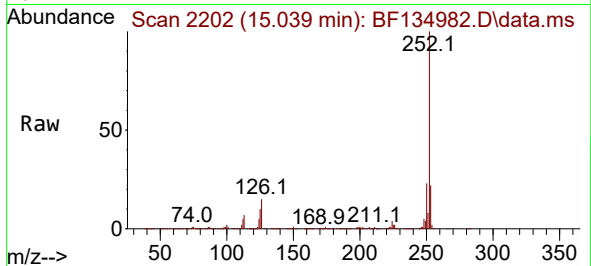
Tgt Ion:252 Resp: 612577  
Ion Ratio Lower Upper  
252 100  
253 22.1 18.1 27.1  
125 9.9 8.4 12.6





#89  
Benzo(k)fluoranthene  
Concen: 45.400 ng  
RT: 15.039 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

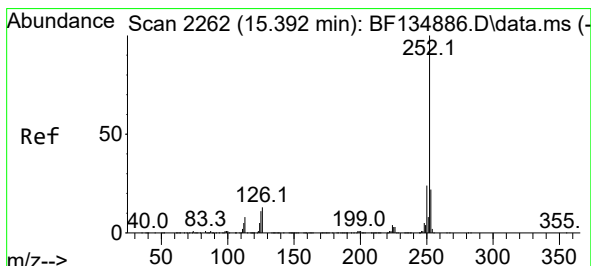
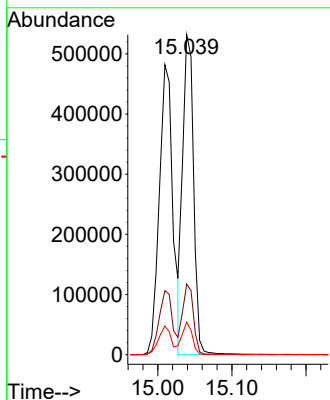
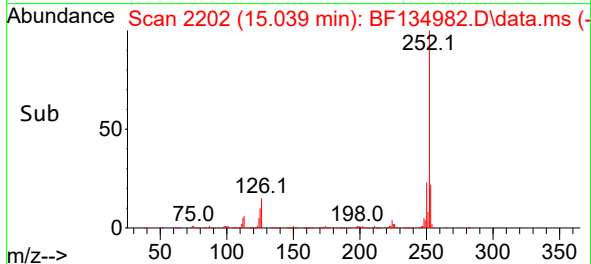
Instrument :  
BNA\_F  
ClientSampleId :  
PB155132BS



Tgt Ion:252 Resp: 54899  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.1 25.7  
125 10.2 8.0 12.0

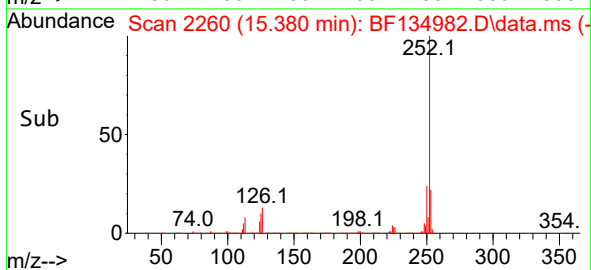
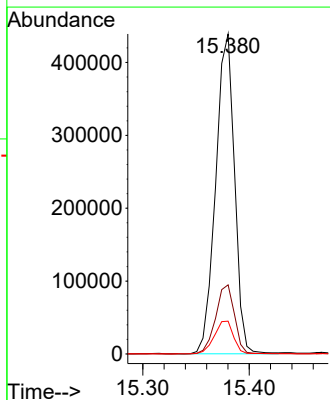
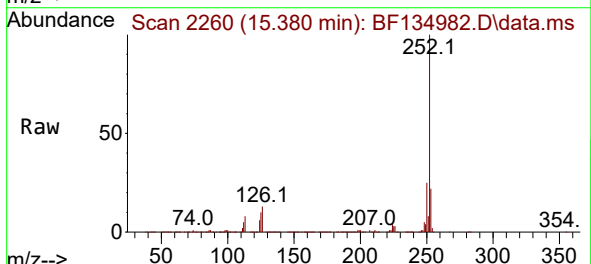
Manual Integrations  
APPROVED

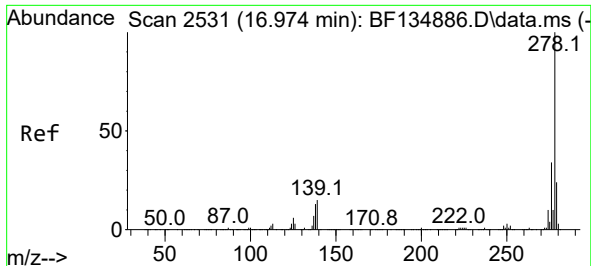
Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#90  
Benzo(a)pyrene  
Concen: 43.823 ng  
RT: 15.380 min Scan# 2260  
Delta R.T. -0.012 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Tgt Ion:252 Resp: 538731  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.6 26.4  
125 10.2 8.4 12.6





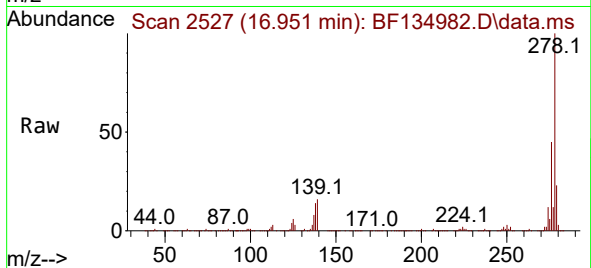
#91  
Dibenzo(a,h)anthracene  
Concen: 48.135 ng  
RT: 16.951 min Scan# 2527  
Delta R.T. -0.024 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08

Instrument :

BNA\_F

ClientSampleId :

PB155132BS

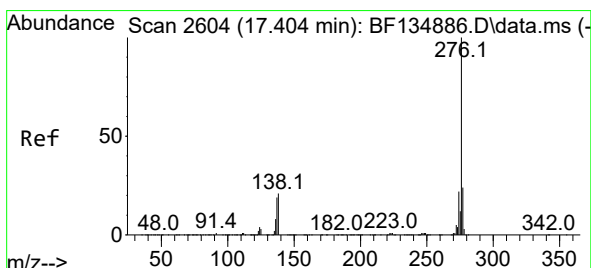
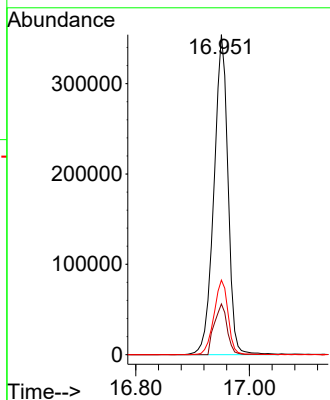
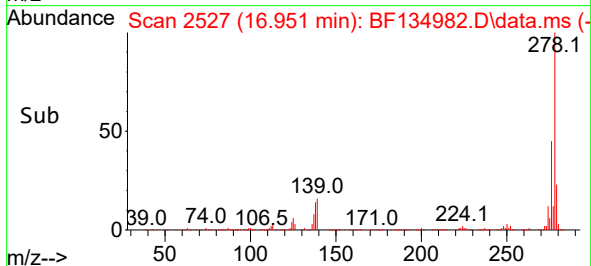


Tgt Ion:278 Resp: 607620  
Ion Ratio Lower Upper  
278 100  
139 15.8 12.2 18.4  
279 23.3 19.1 28.7

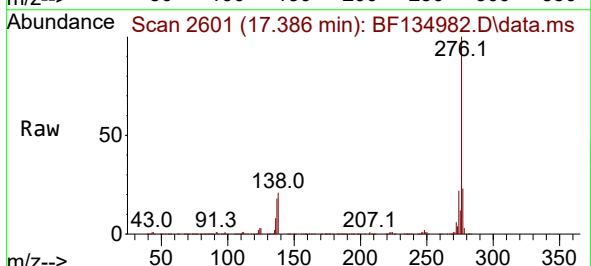
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/30/2023  
Supervised By :mohammad ahmed 08/30/2023



#92  
Benzo(g,h,i)perylene  
Concen: 47.308 ng  
RT: 17.386 min Scan# 2601  
Delta R.T. -0.018 min  
Lab File: BF134982.D  
Acq: 29 Aug 2023 14:08



Tgt Ion:276 Resp: 611329  
Ion Ratio Lower Upper  
276 100  
277 23.4 19.2 28.8  
138 21.0 17.0 25.6

