

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120123\  
 Data File : BF136349.D  
 Acq On : 01 Dec 2023 21:14  
 Operator : CG\JU  
 Sample : 05379-09MSD  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023

Quant Time: Dec 02 00:36:29 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112723.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 28 03:04:20 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.804  | 152  | 134017   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.087  | 136  | 556820   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.845  | 164  | 254635   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.333 | 188  | 356127   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 228024   | 20.000 | ng    | # 0.00   |
| 86) Perylene-d12              | 15.468 | 264  | 283324   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 786426   | 81.675 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.451  | 99   | 1013229  | 84.159 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.369  | 82   | 628606   | 59.656 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.633 | 330  | 237032   | 76.140 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.163  | 172  | 1191688  | 59.778 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 751849   | 38.033 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.657  | 88   | 129623   | 35.579 | ng    | 98       |
| 3) Pyridine                   | 3.416  | 79   | 310205   | 34.492 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 160318   | 35.265 | ng    | 85       |
| 6) Aniline                    | 6.475  | 93   | 361551   | 31.772 | ng    | 95       |
| 8) 2-Chlorophenol             | 6.593  | 128  | 429745   | 40.990 | ng    | 95       |
| 9) Benzaldehyde               | 6.357  | 77   | 48976    | 7.299  | ng    | 96       |
| 10) Phenol                    | 6.463  | 94   | 515357   | 39.900 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 381856   | 40.300 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 6.745  | 146  | 447630   | 37.623 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.828  | 146  | 459627   | 38.001 | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.975  | 146  | 434099   | 37.911 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.951  | 79   | 339689   | 40.242 | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.081  | 45   | 507204   | 38.537 | ng    | 96       |
| 17) 2-Methylphenol            | 7.063  | 107  | 335540   | 40.709 | ng    | 98       |
| 18) Hexachloroethane          | 7.316  | 117  | 161515   | 38.071 | ng    | 92       |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 282884   | 39.286 | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.216  | 107  | 411567   | 38.421 | ng    | 97       |
| 22) Acetophenone              | 7.216  | 105  | 587677   | 40.186 | ng    | # 95     |
| 24) Nitrobenzene              | 7.392  | 77   | 420482   | 39.377 | ng    | 90       |
| 25) Isophorone                | 7.628  | 82   | 770894   | 40.573 | ng    | 97       |
| 26) 2-Nitrophenol             | 7.704  | 139  | 214821   | 47.216 | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 311993   | 52.100 | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 7.839  | 93   | 482076   | 41.946 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.945  | 162  | 344129   | 42.604 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.028  | 180  | 394113   | 39.853 | ng    | 99       |
| 31) Naphthalene               | 8.110  | 128  | 1261313  | 40.301 | ng    | 99       |
| 32) Benzoic acid              | 7.875  | 122  | 253907   | 46.523 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.157  | 127  | 231985   | 21.806 | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.222  | 225  | 223829   | 38.687 | ng    | 98       |
| 35) Caprolactam               | 8.534  | 113  | 96899m   | 42.913 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.639  | 107  | 340381   | 38.855 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.798  | 142  | 772720   | 39.359 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.898  | 142  | 742516   | 38.769 | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.963  | 216  | 372621   | 45.981 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.951  | 237  | 275607   | 88.386 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.081  | 196  | 232085   | 44.123 | ng    | 94       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 239072   | 41.649 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.263  | 154  | 1005285  | 44.769 | ng    | 97       |
| 47) 2-Chloronaphthalene       | 9.286  | 162  | 745445   | 42.748 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.386  | 65   | 187846   | 41.259 | ng    | 87       |
| 49) Acenaphthylene            | 9.704  | 152  | 1151548  | 46.274 | ng    | 99       |
| 50) Dimethylphthalate         | 9.569  | 163  | 836081   | 43.442 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.633  | 165  | 167344   | 42.562 | ng    | 90       |
| 52) Acenaphthene              | 9.875  | 154  | 657329   | 41.798 | ng    | 95       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 123139   | 31.564 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 144152   | 78.831 | ng    | # 87     |
| 55) Dibenzofuran              | 10.051 | 168  | 962363   | 41.124 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.963  | 139  | 196624   | 66.360 | ng    | 91       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 202553   | 38.567 | ng    | # 92     |
| 58) Fluorene                  | 10.392 | 166  | 714363   | 38.918 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.169 | 232  | 181073   | 39.647 | ng    | 99       |
| 60) Diethylphthalate          | 10.275 | 149  | 746707   | 38.786 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 10.386 | 204  | 351100   | 39.387 | ng    | 95       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 124137   | 32.508 | ng    | 94       |
| 63) Azobenzene                | 10.551 | 77   | 674931   | 37.816 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 91282    | 46.872 | ng    | 80       |
| 66) n-Nitrosodiphenylamine    | 10.510 | 169  | 591384   | 51.819 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.880 | 248  | 209084   | 50.324 | ng    | 93       |
| 68) Hexachlorobenzene         | 10.939 | 284  | 221515   | 46.066 | ng    | # 90     |
| 69) Atrazine                  | 11.039 | 200  | 166211   | 49.095 | ng    | 100      |
| 70) Pentachlorophenol         | 11.139 | 266  | 210247   | 77.351 | ng    | 97       |
| 71) Phenanthrene              | 11.357 | 178  | 940033   | 46.964 | ng    | 98       |
| 72) Anthracene                | 11.410 | 178  | 892249   | 44.451 | ng    | 99       |
| 73) Carbazole                 | 11.569 | 167  | 665839   | 39.002 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 905164   | 42.376 | ng    | 98       |
| 75) Fluoranthene              | 12.551 | 202  | 930666   | 45.801 | ng    | 95       |
| 77) Benzidine                 | 12.674 | 184  | 161738   | 43.149 | ng    | 98       |
| 78) Pyrene                    | 12.780 | 202  | 937354   | 37.535 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 305037   | 39.248 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 853927   | 50.418 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 13.945 | 252  | 225638   | 55.345 | ng    | 95       |
| 83) Chrysene                  | 14.016 | 228  | 844007   | 51.611 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.974 | 149  | 435486   | 46.689 | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 858347   | 55.729 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.980 | 276  | 791032   | 37.946 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.039 | 252  | 1028272  | 51.730 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.068 | 252  | 850720   | 45.062 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 855620   | 52.655 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.004 | 278  | 573218   | 34.531 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.439 | 276  | 576438   | 34.359 | ng    | 98       |

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

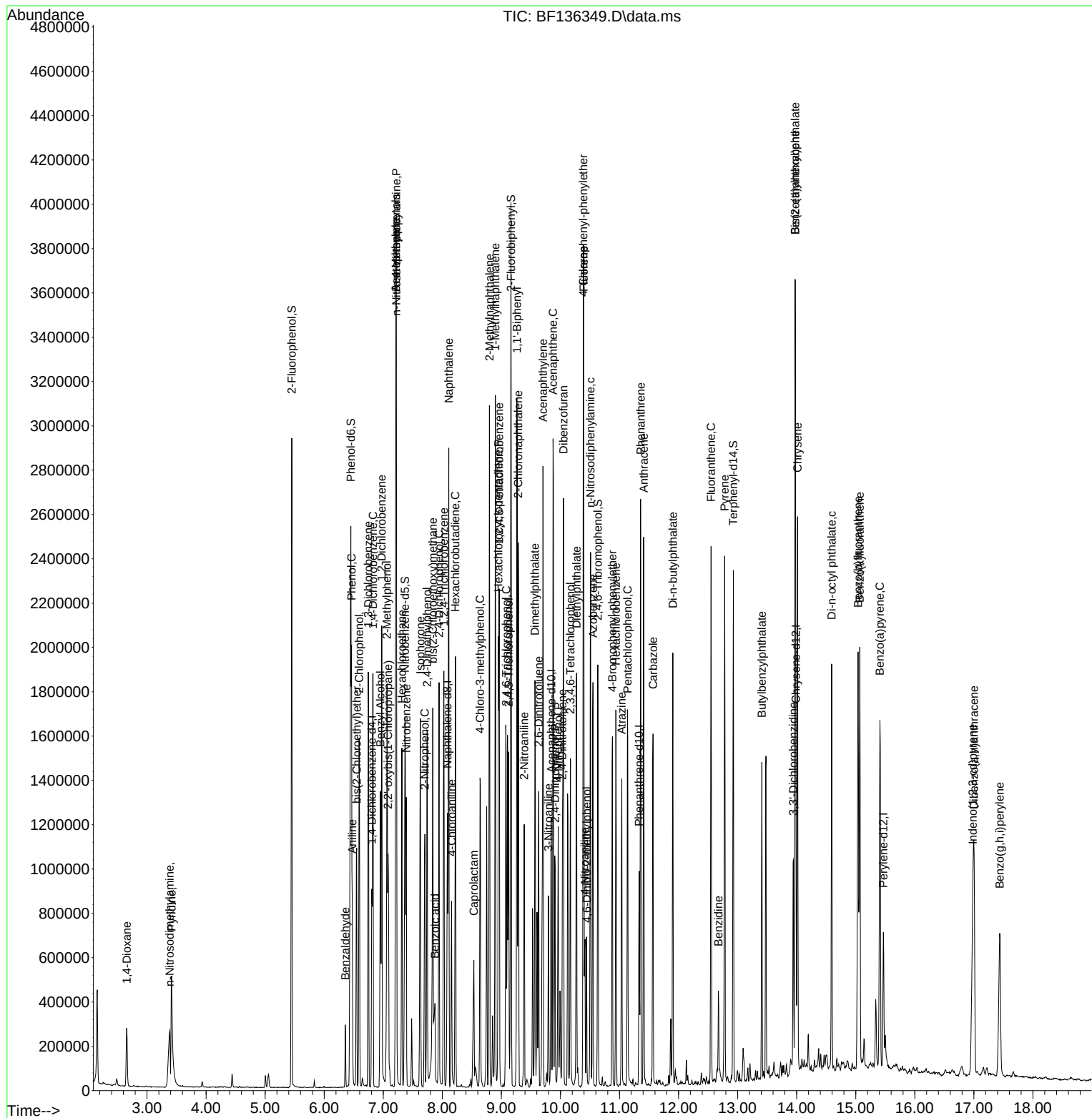
Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120123\  
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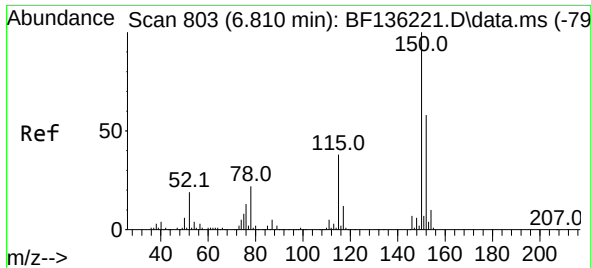
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD

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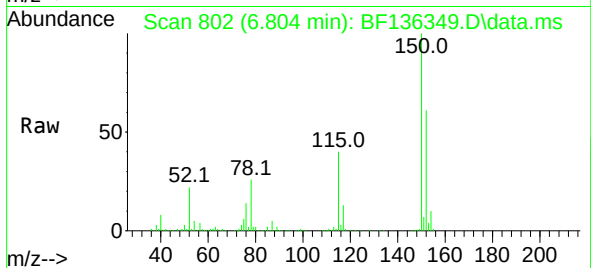
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.804 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14

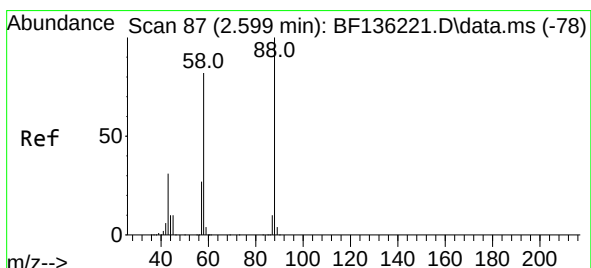
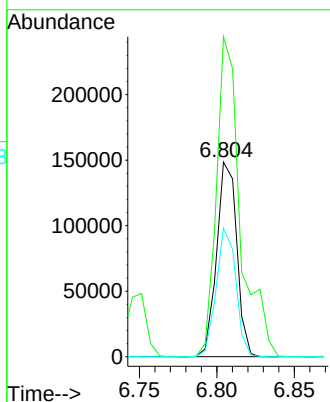
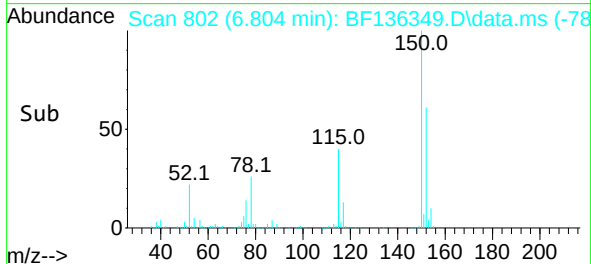
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD



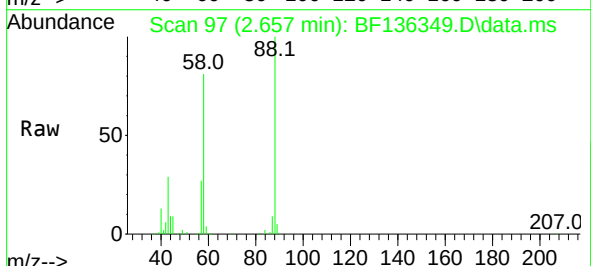
Tgt Ion:152 Resp: 13401  
 Ion Ratio Lower Upper  
 152 100  
 150 164.5 137.8 206.8  
 115 66.2 52.7 79.1

Manual Integrations  
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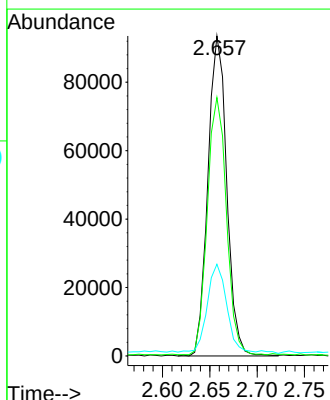
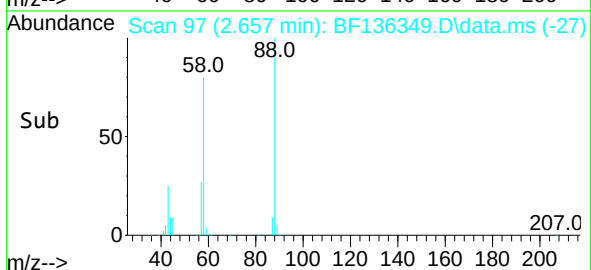
Reviewed By :Yogesh Patel 12/04/2023  
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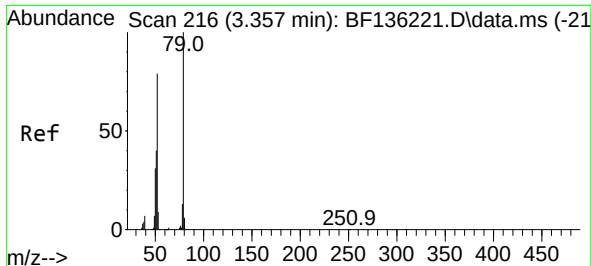


#2  
 1,4-Dioxane  
 Concen: 35.579 ng  
 RT: 2.657 min Scan# 97  
 Delta R.T. 0.059 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14



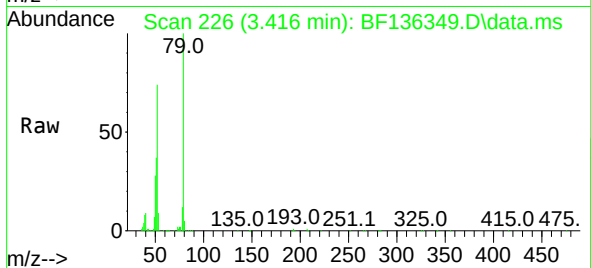
Tgt Ion: 88 Resp: 129623  
 Ion Ratio Lower Upper  
 88 100  
 58 81.5 65.9 98.9  
 43 27.9 24.8 37.2





#3  
Pyridine  
Concen: 34.492 ng  
RT: 3.416 min Scan# 216  
Delta R.T. 0.059 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

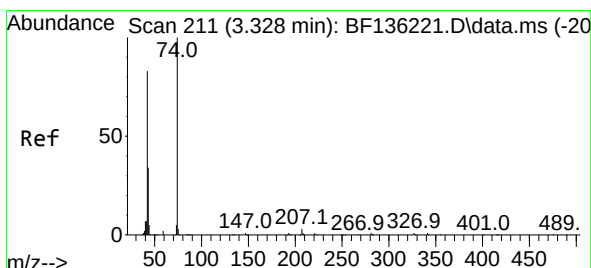
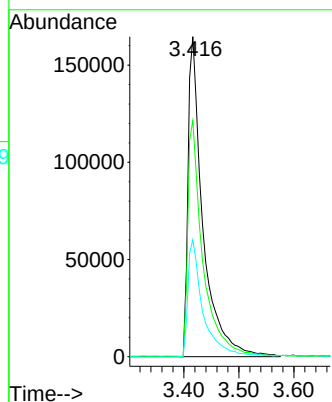
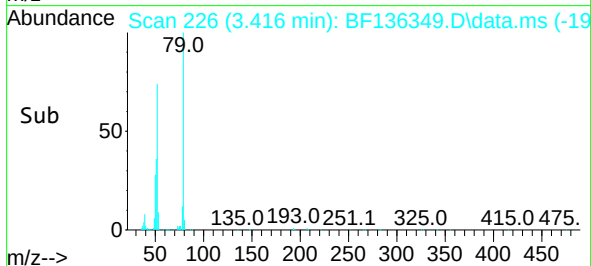
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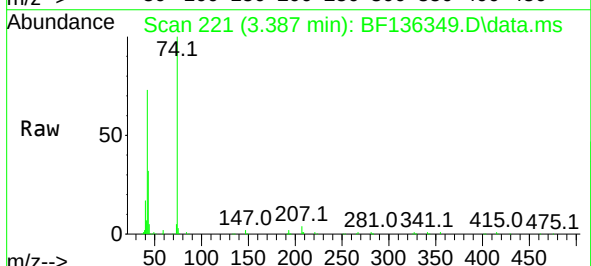
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Ion Ratio Lower Upper  
79 100  
52 73.8 63.2 94.8  
51 36.6 32.6 49.0

Manual Integrations  
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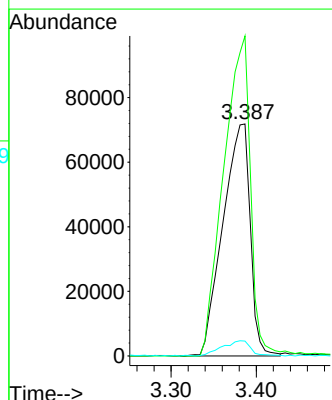
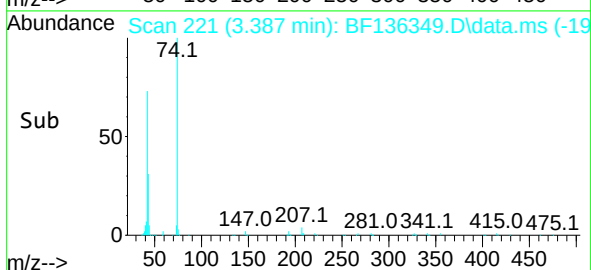
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Supervised By :mohammad ahmed 12/05/2023

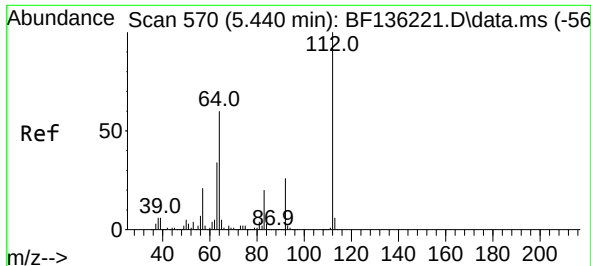


#4  
n-Nitrosodimethylamine  
Concen: 35.265 ng  
RT: 3.387 min Scan# 221  
Delta R.T. 0.059 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion: 42 Resp: 160318  
Ion Ratio Lower Upper  
42 100  
74 137.9 96.6 144.8  
44 6.4 5.4 8.2





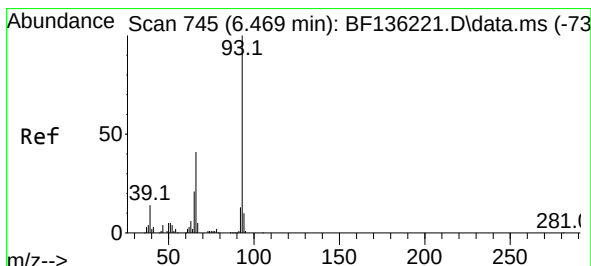
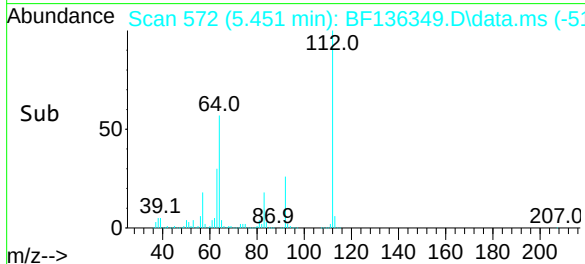
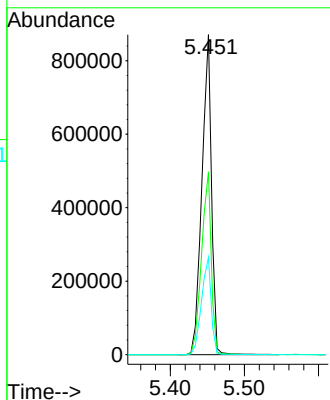
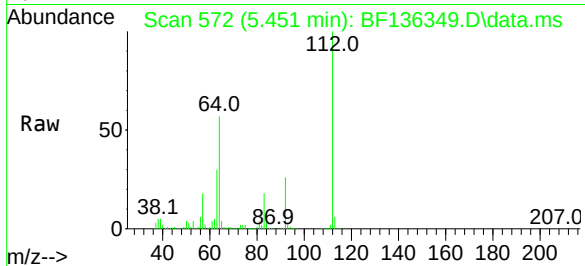
#5  
2-Fluorophenol  
Concen: 81.675 ng  
RT: 5.451 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

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Tgt Ion:112 Resp: 786420  
Ion Ratio Lower Upper  
112 100  
64 57.1 48.2 72.4  
63 30.4 27.0 40.6

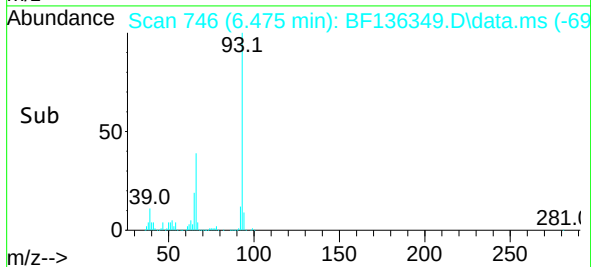
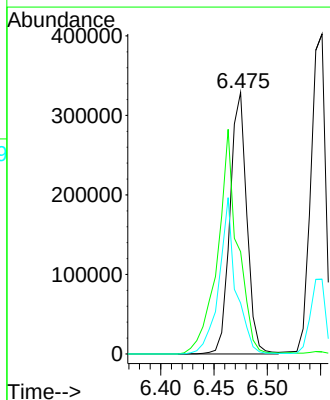
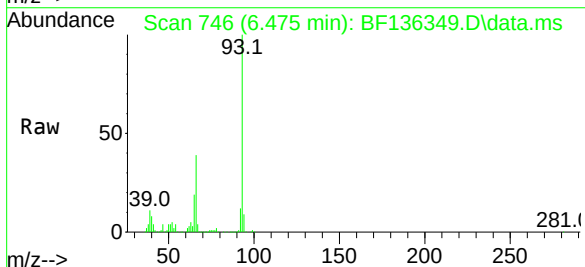
Manual Integrations  
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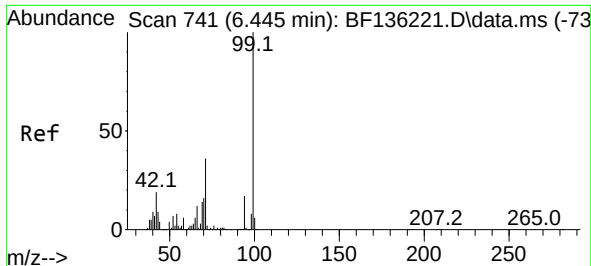
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#6  
Aniline  
Concen: 31.772 ng  
RT: 6.475 min Scan# 746  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion: 93 Resp: 361551  
Ion Ratio Lower Upper  
93 100  
66 39.1 34.1 51.1  
65 19.4 17.3 25.9





#7

Phenol-d6

Concen: 84.159 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

Tgt Ion: 99 Resp: 1013229

Ion Ratio Lower Upper

99 100

42 16.1 15.0 22.6

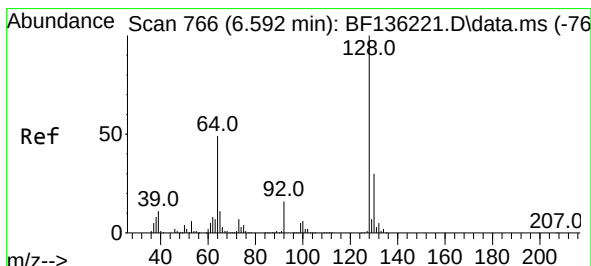
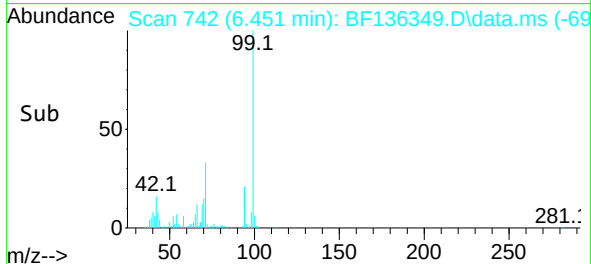
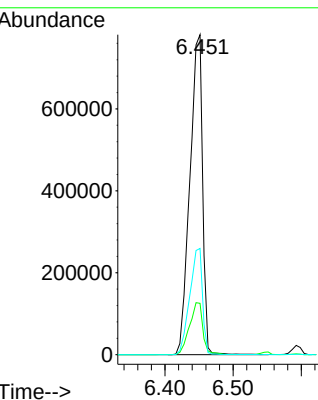
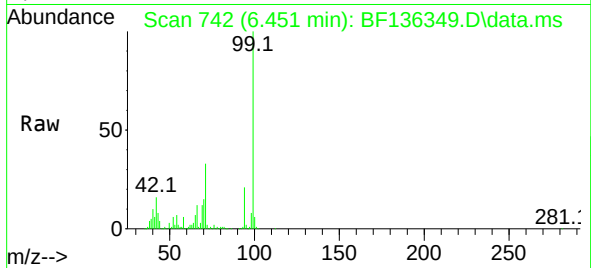
71 33.2 28.9 43.3

Manual Integrations

APPROVED

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#8

2-Chlorophenol

Concen: 40.990 ng

RT: 6.593 min Scan# 766

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

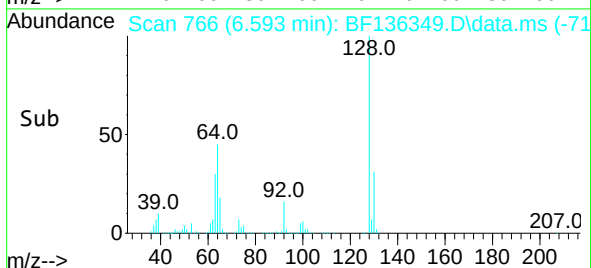
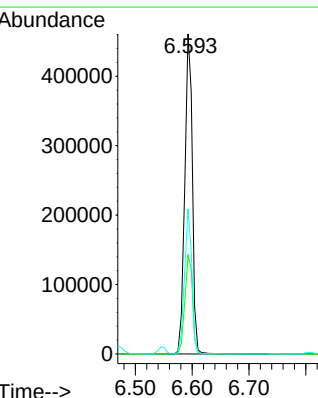
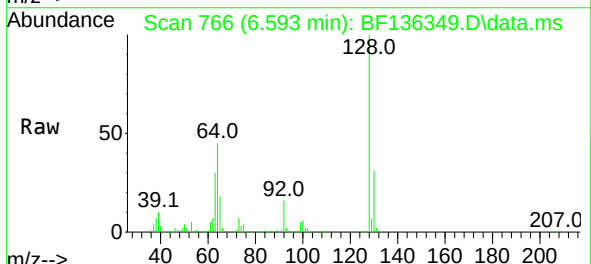
Tgt Ion:128 Resp: 429745

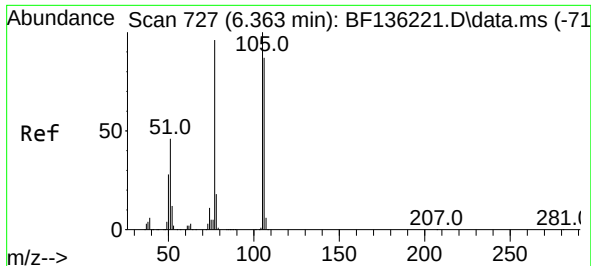
Ion Ratio Lower Upper

128 100

130 30.8 10.3 50.3

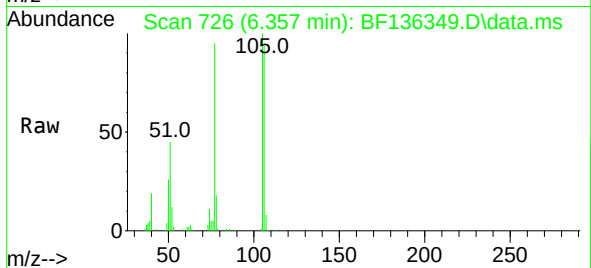
64 45.3 30.0 70.0





#9  
Benzaldehyde  
Concen: 7.299 ng  
RT: 6.357 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

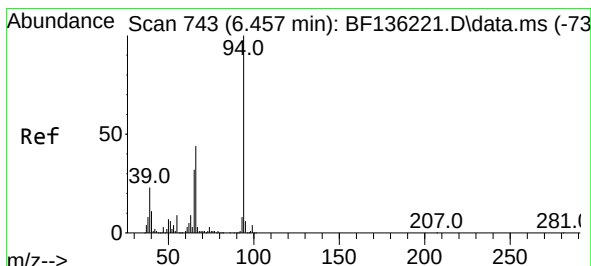
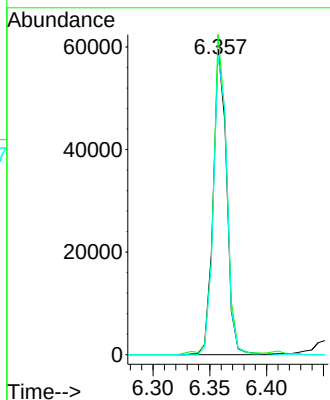
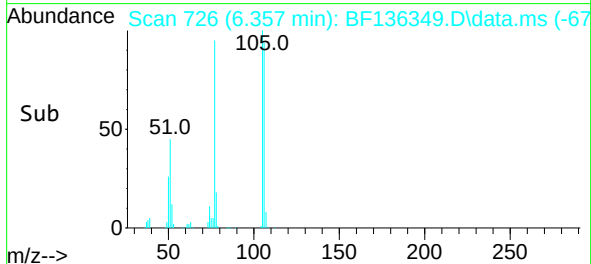
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



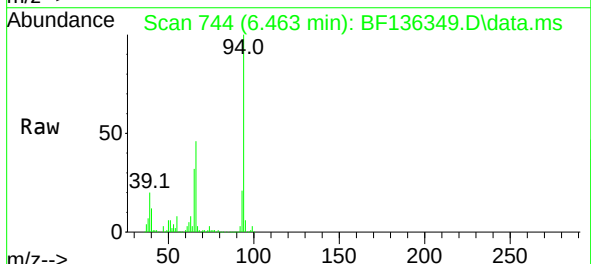
Tgt Ion: 77 Resp: 48970  
Ion Ratio Lower Upper  
77 100  
105 104.7 84.3 124.3  
106 98.0 71.0 111.0

Manual Integrations  
APPROVED

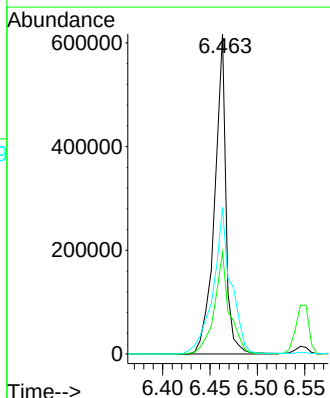
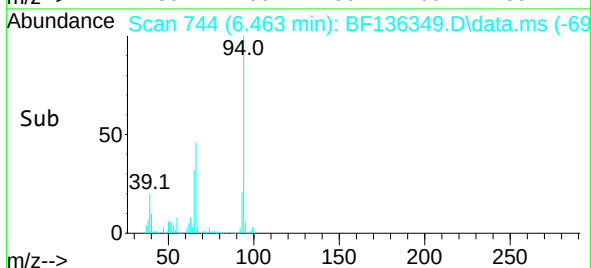
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



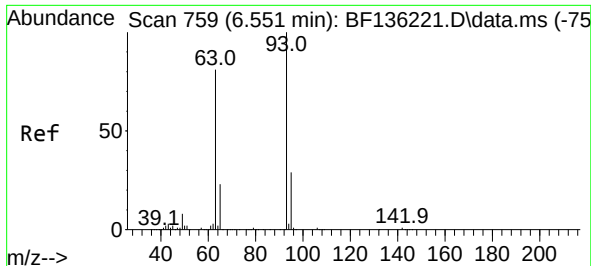
#10  
Phenol  
Concen: 39.900 ng  
RT: 6.463 min Scan# 744  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion: 94 Resp: 515357  
Ion Ratio Lower Upper  
94 100  
65 31.8 12.5 52.5  
66 45.8 24.1 64.1

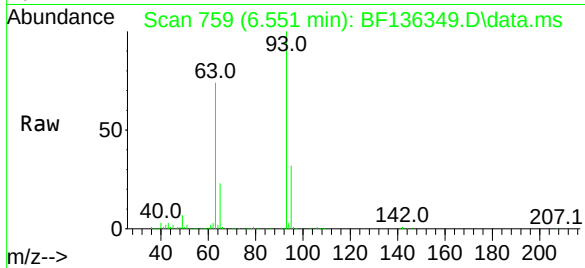






#11  
bis(2-Chloroethyl)ether  
Concen: 40.300 ng  
RT: 6.551 min Scan# 759  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

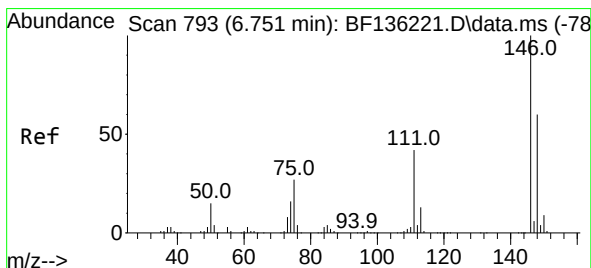
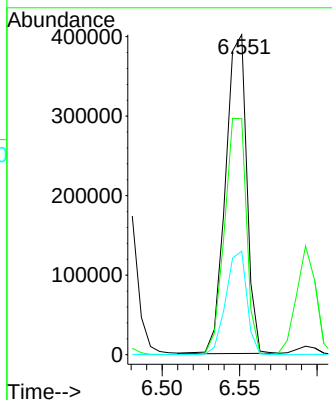
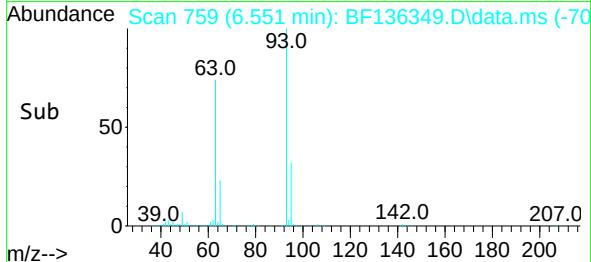
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion: 93 Resp: 381850  
Ion Ratio Lower Upper  
93 100  
63 73.7 60.2 100.2  
95 32.3 9.1 49.1

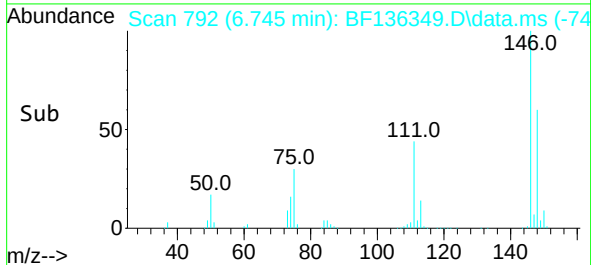
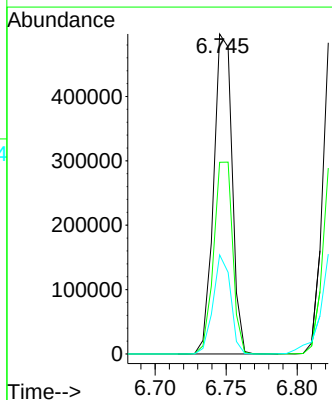
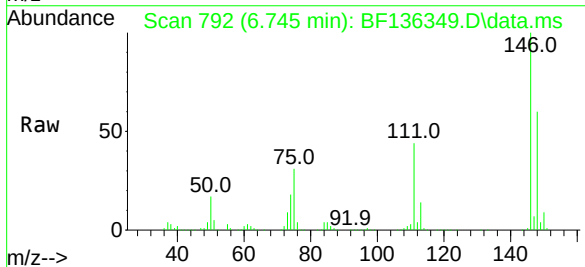
Manual Integrations  
APPROVED

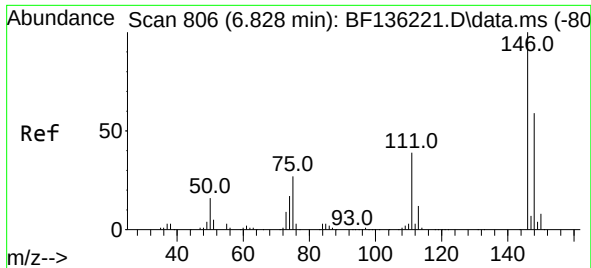
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#12  
1,3-Dichlorobenzene  
Concen: 37.623 ng  
RT: 6.745 min Scan# 792  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

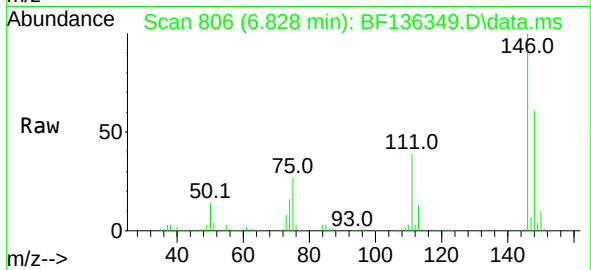
Tgt Ion:146 Resp: 447630  
Ion Ratio Lower Upper  
146 100  
148 59.9 47.8 71.6  
75 31.0 22.0 33.0





#13  
1,4-Dichlorobenzene  
Concen: 38.001 ng  
RT: 6.828 min Scan# 806  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

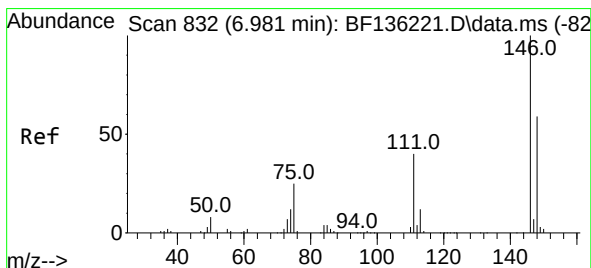
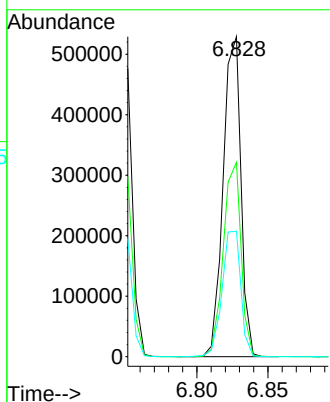
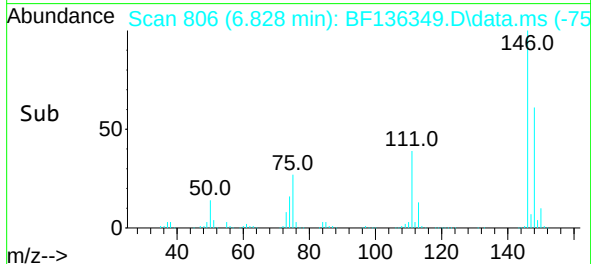
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



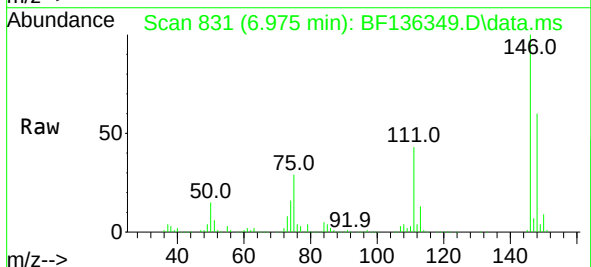
Tgt Ion:146 Resp: 459627  
Ion Ratio Lower Upper  
146 100  
148 60.8 47.0 70.6  
111 39.2 31.5 47.3

Manual Integrations  
APPROVED

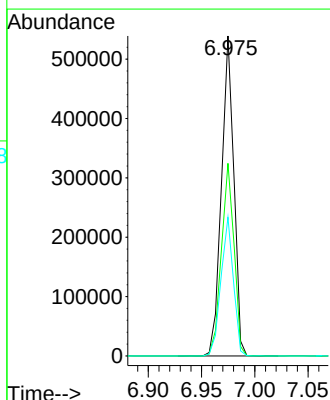
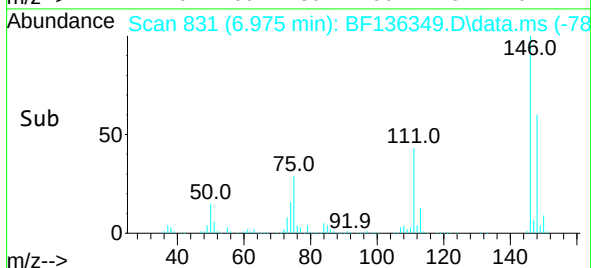
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

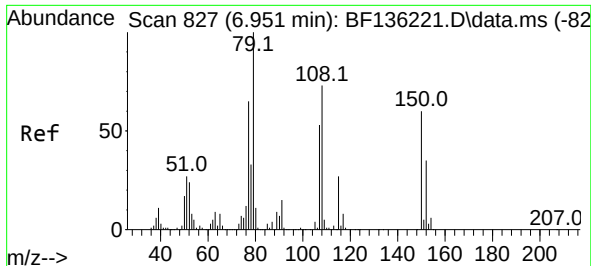


#14  
1,2-Dichlorobenzene  
Concen: 37.911 ng  
RT: 6.975 min Scan# 831  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



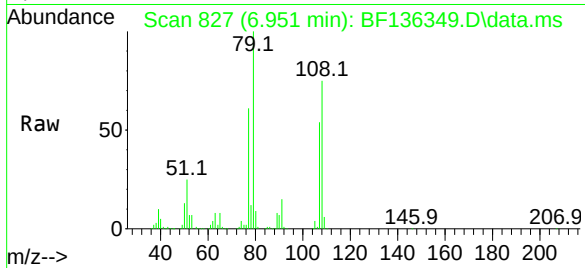
Tgt Ion:146 Resp: 434099  
Ion Ratio Lower Upper  
146 100  
148 60.2 47.3 70.9  
111 43.4 32.4 48.6





#15  
Benzyl Alcohol  
Concen: 40.242 ng  
RT: 6.951 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

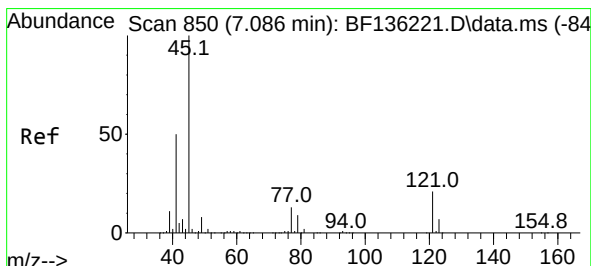
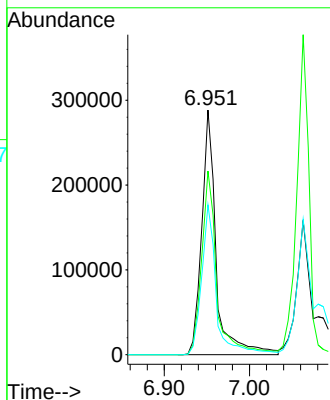
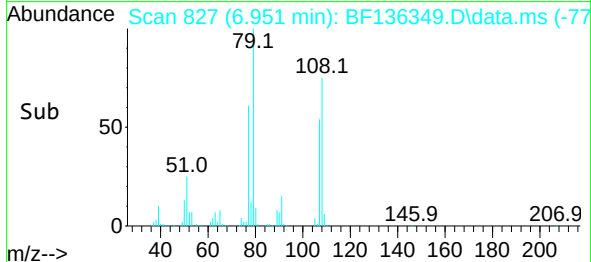
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion: 79 Resp: 339689  
Ion Ratio Lower Upper  
79 100  
108 75.1 58.1 87.1  
77 61.3 51.8 77.8

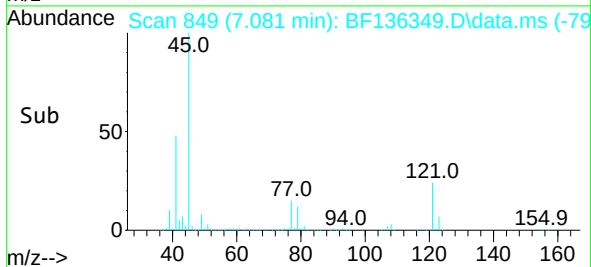
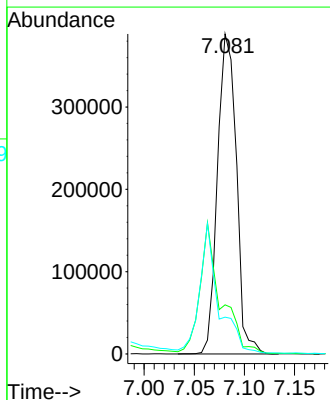
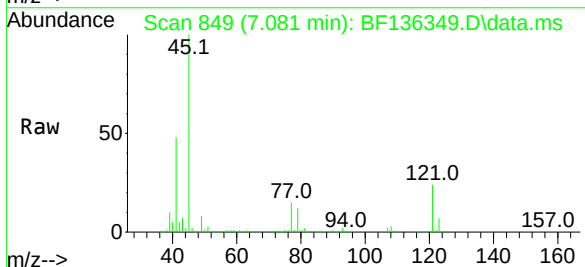
Manual Integrations  
APPROVED

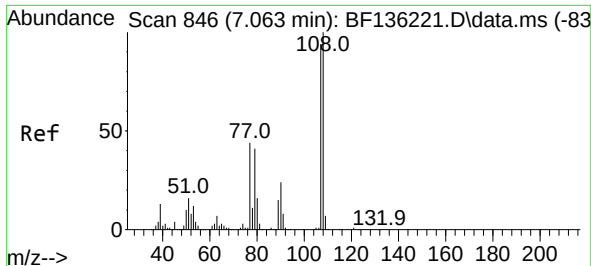
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.537 ng  
RT: 7.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

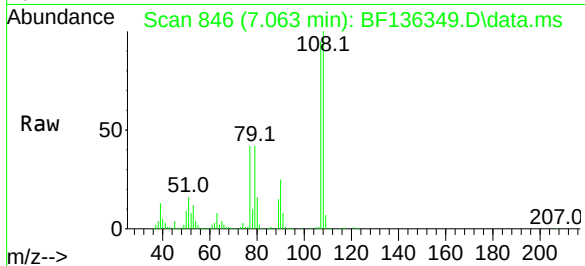
Tgt Ion: 45 Resp: 507204  
Ion Ratio Lower Upper  
45 100  
77 15.3 0.0 34.0  
79 11.5 0.0 30.1





#17  
2-Methylphenol  
Concen: 40.709 ng  
RT: 7.063 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

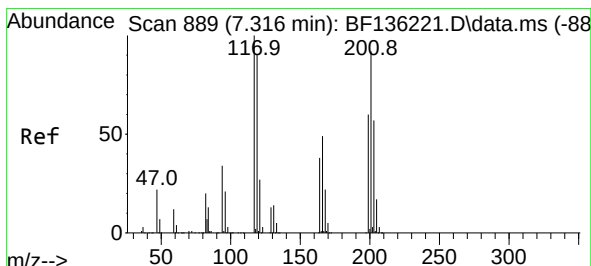
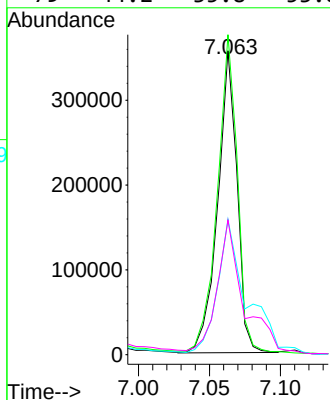
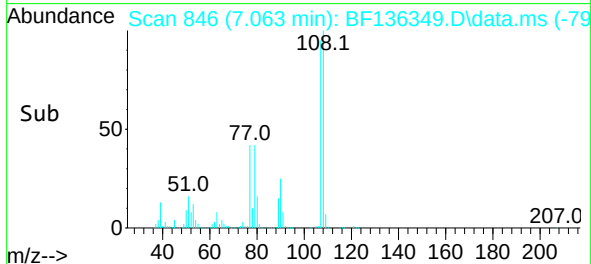
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:107 Resp: 335540  
Ion Ratio Lower Upper  
107 100  
108 105.3 85.4 128.0  
77 44.5 37.4 56.2  
79 44.2 35.8 53.8

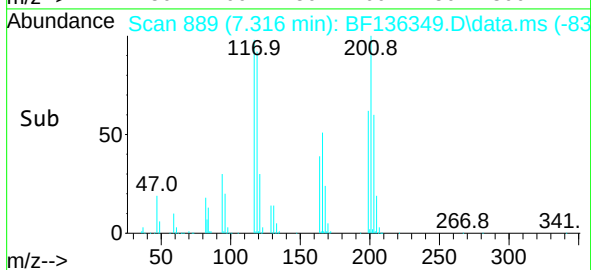
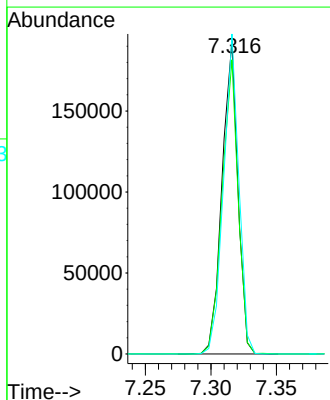
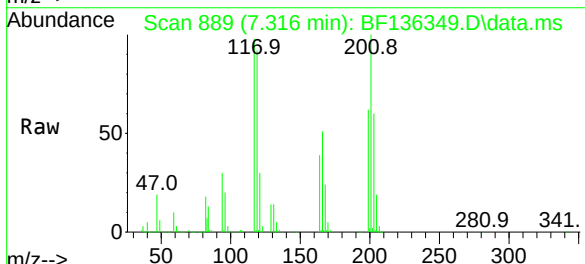
Manual Integrations  
APPROVED

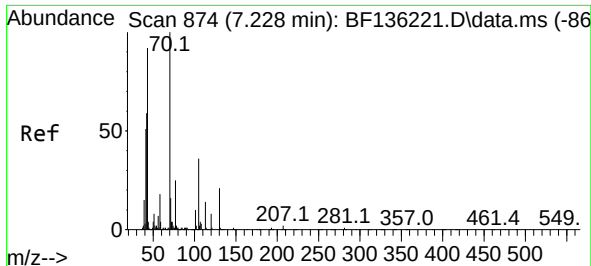
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#18  
Hexachloroethane  
Concen: 38.071 ng  
RT: 7.316 min Scan# 889  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion:117 Resp: 161515  
Ion Ratio Lower Upper  
117 100  
119 93.9 71.6 107.4  
201 102.1 73.4 110.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.286 ng

RT: 7.222 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF136349.D

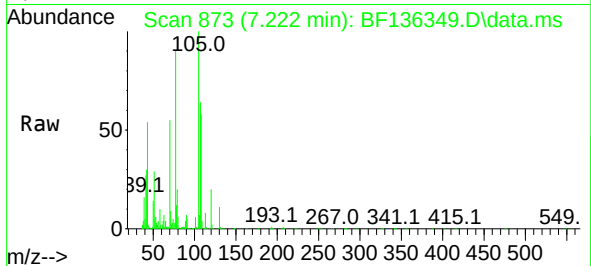
Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD



Tgt Ion: 70 Resp: 282884

Ion Ratio Lower Upper

70 100

42 54.4 47.0 70.4

101 10.0 7.8 11.8

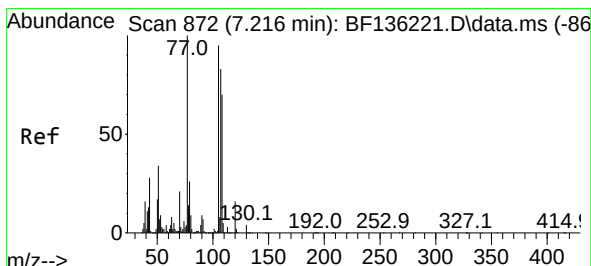
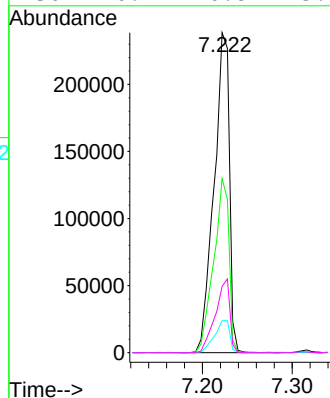
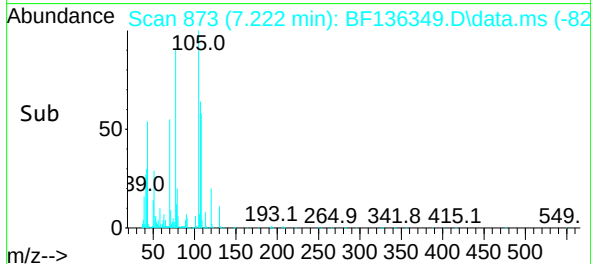
130 20.7 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#20

3+4-Methylphenols

Concen: 38.421 ng

RT: 7.216 min Scan# 872

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Tgt Ion:107 Resp: 411567

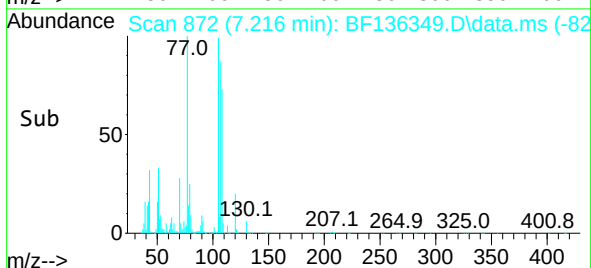
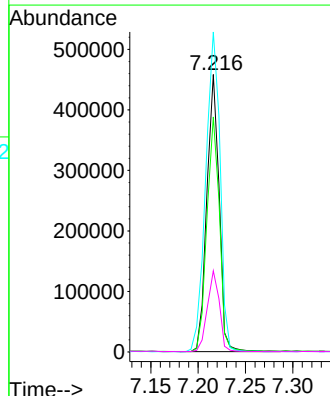
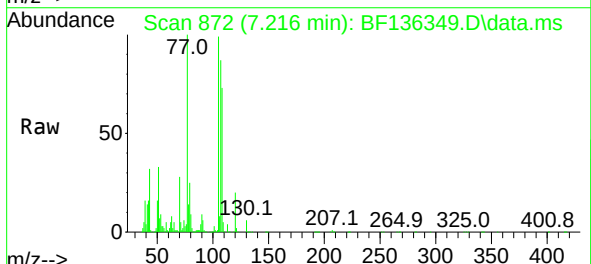
Ion Ratio Lower Upper

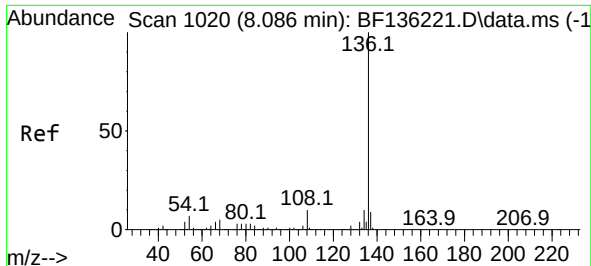
107 100

108 84.7 63.9 103.9

77 115.3 100.2 140.2

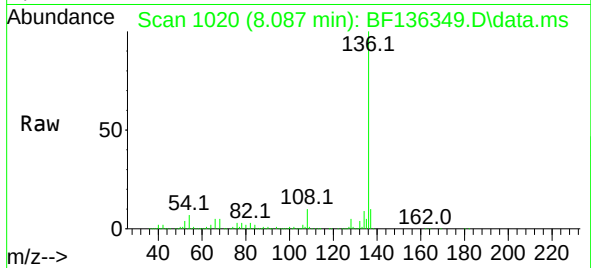
79 29.3 11.1 51.1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.087 min Scan# 1020  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

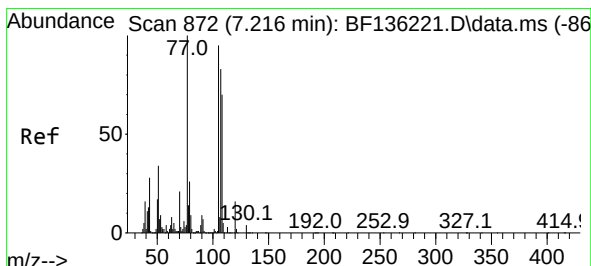
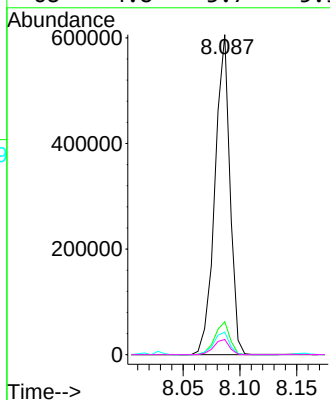
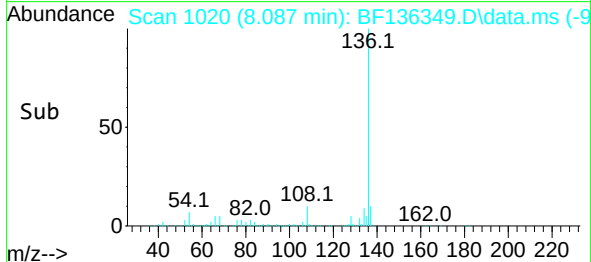
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



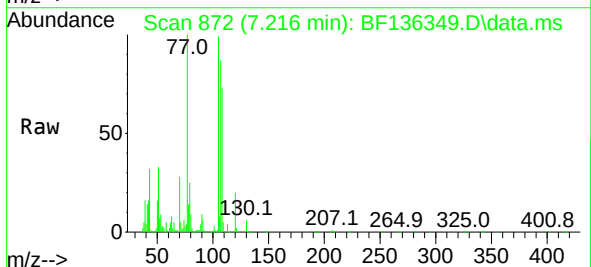
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 556820 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.3  | 7.4   | 11.2   |
| 54        | 7.1   | 5.5   | 8.3    |
| 68        | 4.8   | 3.7   | 5.5    |

Manual Integrations  
APPROVED

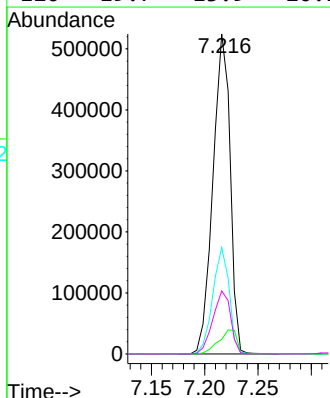
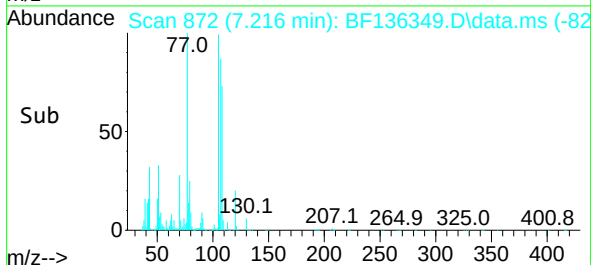
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

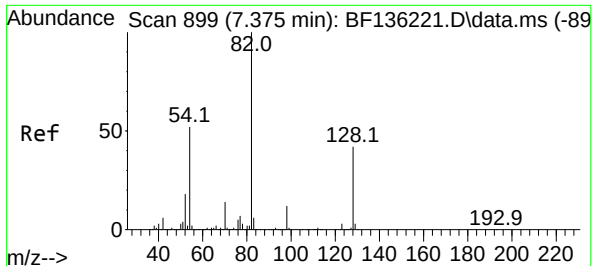


#22  
Acetophenone  
Concen: 40.186 ng  
RT: 7.216 min Scan# 872  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 587677 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 71        | 4.6   | 2.8   | 4.2#   |
| 51        | 33.2  | 29.0  | 43.6   |
| 120       | 19.7  | 13.9  | 20.9   |





#23

Nitrobenzene-d5

Concen: 59.656 ng

RT: 7.369 min Scan# 899

Delta R.T. -0.006 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

Tgt Ion: 82 Resp: 628600

Ion Ratio Lower Upper

82 100

128 43.1 33.4 50.2

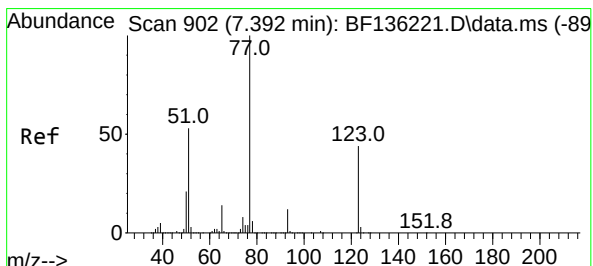
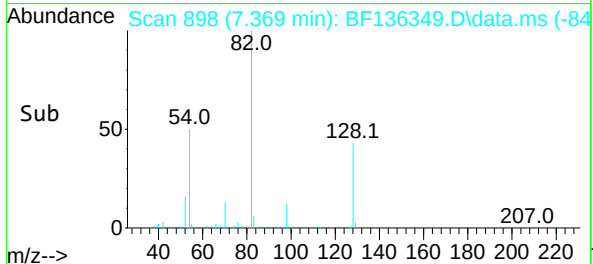
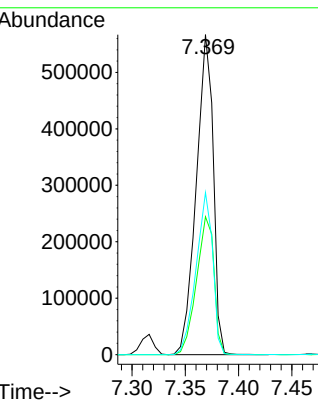
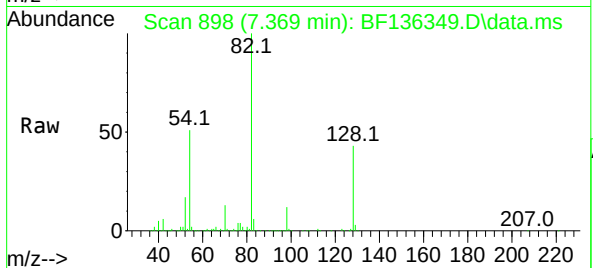
54 50.7 41.7 62.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#24

Nitrobenzene

Concen: 39.377 ng

RT: 7.392 min Scan# 902

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

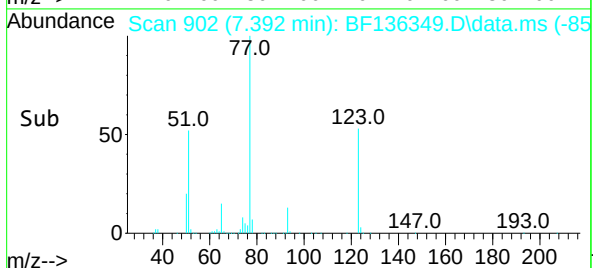
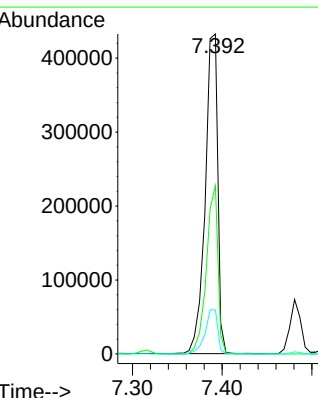
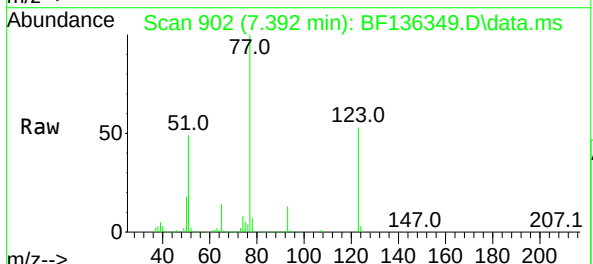
Tgt Ion: 77 Resp: 420482

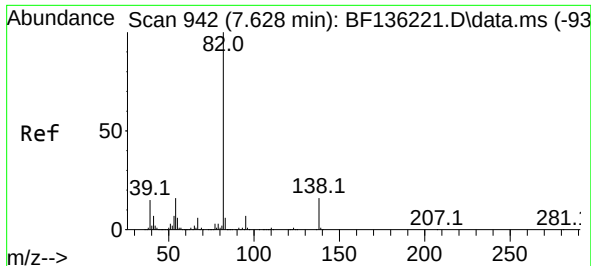
Ion Ratio Lower Upper

77 100

123 52.6 35.4 53.2

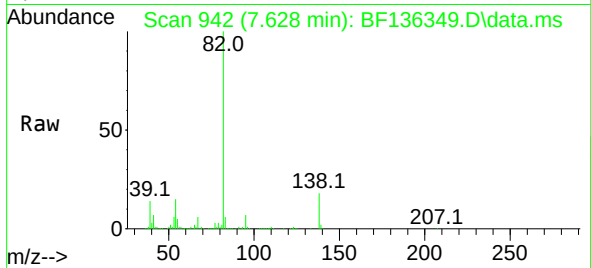
65 13.8 11.0 16.6





#25  
Isophorone  
Concen: 40.573 ng  
RT: 7.628 min Scan# 942  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

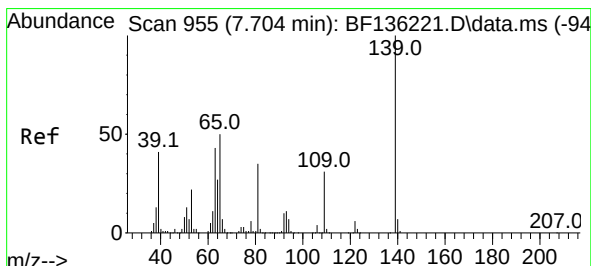
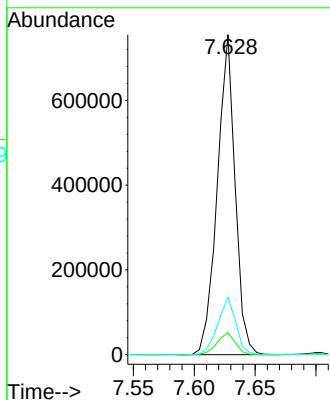
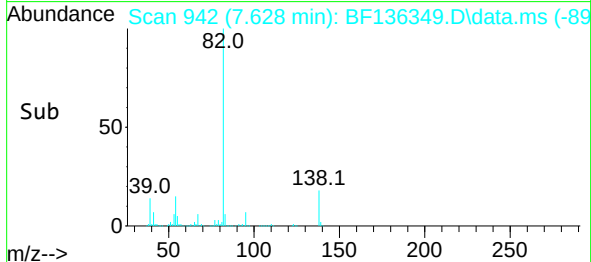
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion: 82 Resp: 770894  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.5 8.3  
138 17.9 12.8 19.2

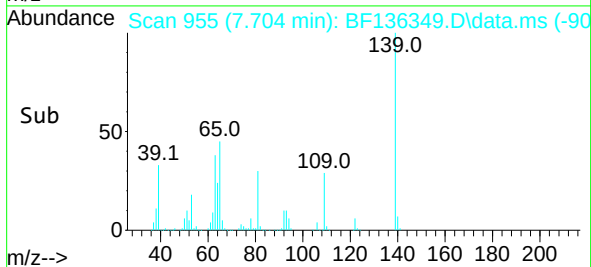
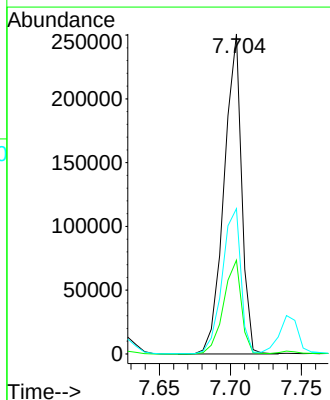
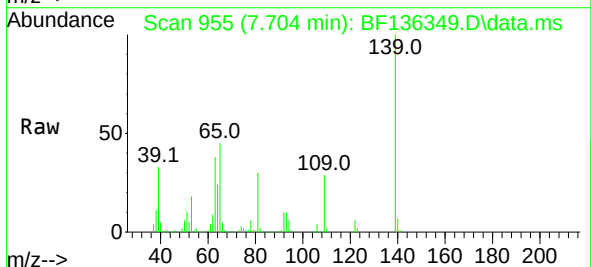
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

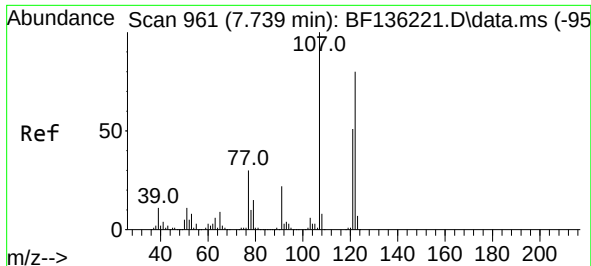


#26  
2-Nitrophenol  
Concen: 47.216 ng  
RT: 7.704 min Scan# 955  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion:139 Resp: 214821  
Ion Ratio Lower Upper  
139 100  
109 29.3 25.0 37.6  
65 45.4 40.4 60.6







#27

2,4-Dimethylphenol

Concen: 52.100 ng

RT: 7.745 min Scan# 961

Delta R.T. 0.006 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

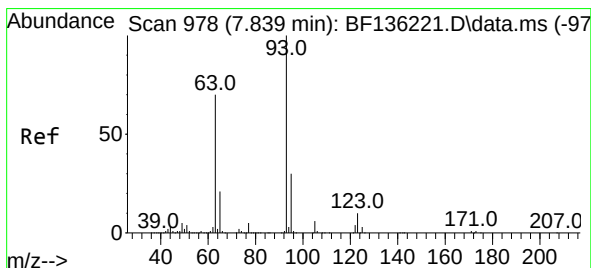
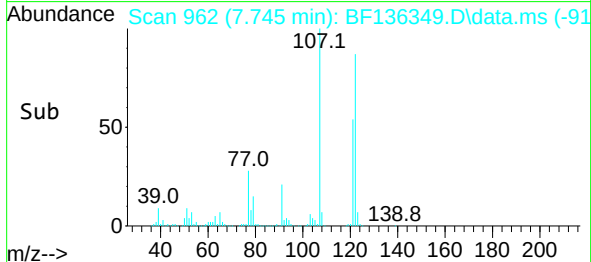
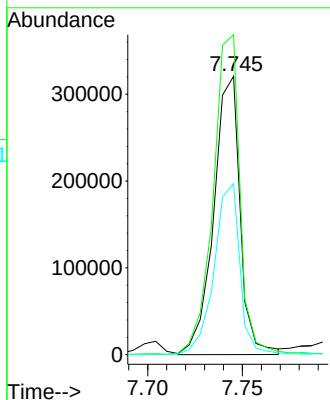
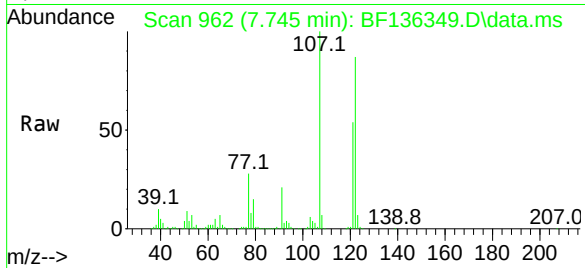
WC-5MSD

Tgt Ion:122 Resp: 31199  
 Ion Ratio Lower Upper  
 122 100  
 107 115.0 100.0 150.0  
 121 61.5 50.7 76.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023



#28

bis(2-Chloroethoxy)methane

Concen: 41.946 ng

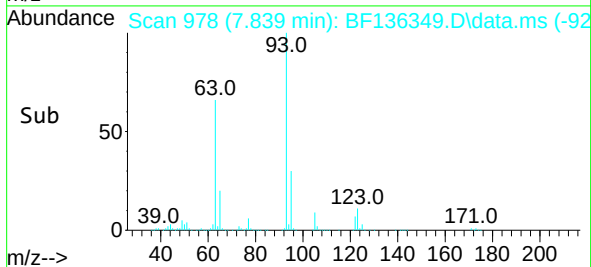
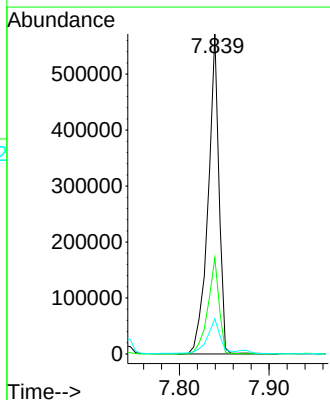
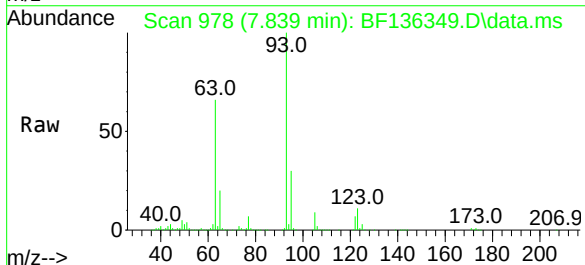
RT: 7.839 min Scan# 978

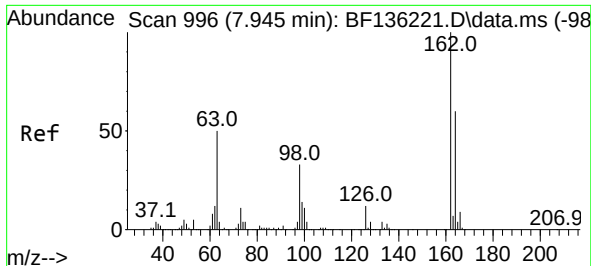
Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Tgt Ion: 93 Resp: 482076  
 Ion Ratio Lower Upper  
 93 100  
 95 30.1 23.8 35.6  
 123 11.0 8.2 12.4





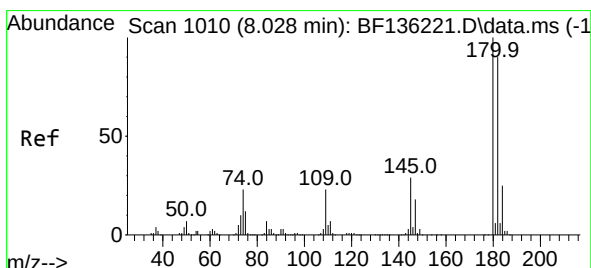
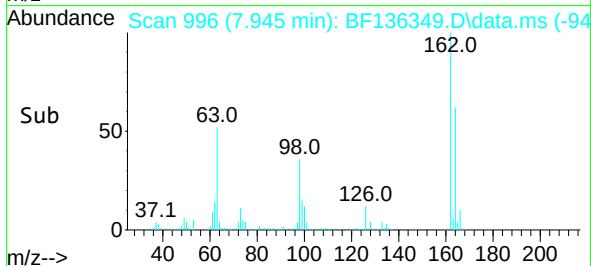
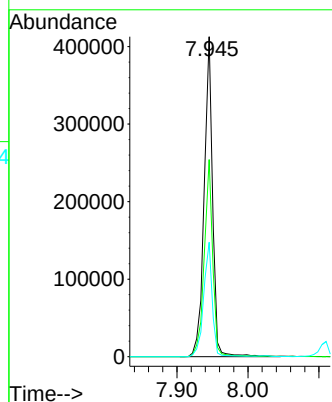
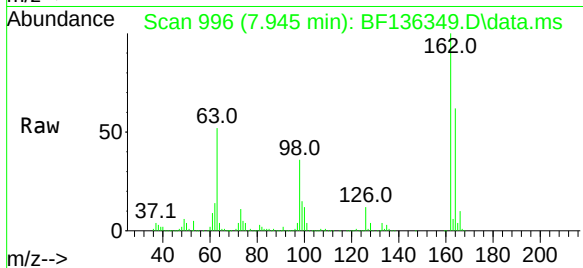
#29  
2,4-Dichlorophenol  
Concen: 42.604 ng  
RT: 7.945 min Scan# 996  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD

Tgt Ion:162 Resp: 344129  
Ion Ratio Lower Upper  
162 100  
164 61.6 40.3 80.3  
98 35.8 13.0 53.0

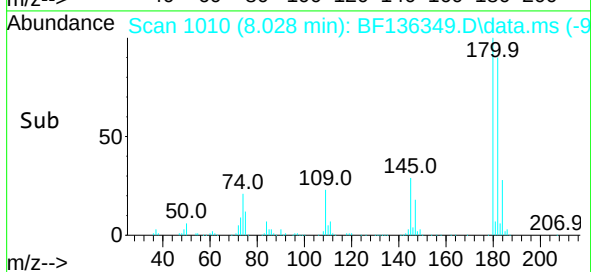
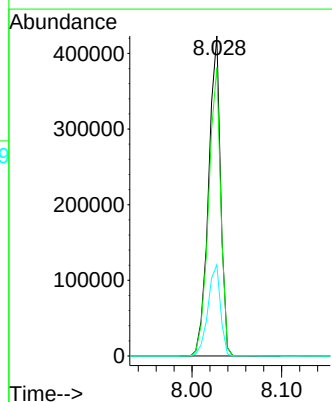
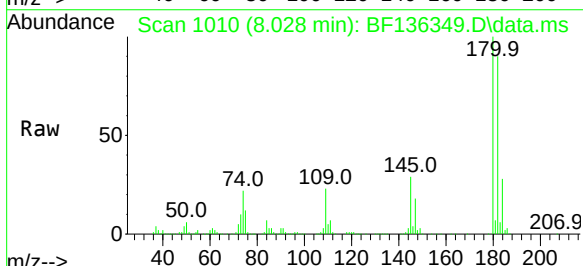
Manual Integrations  
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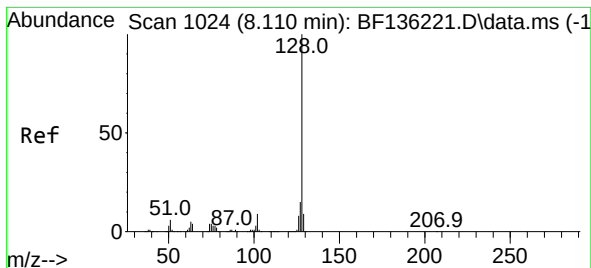
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 39.853 ng  
RT: 8.028 min Scan# 1010  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion:180 Resp: 394113  
Ion Ratio Lower Upper  
180 100  
182 90.1 71.6 107.4  
145 28.5 23.0 34.4





#31

Naphthalene

Concen: 40.301 ng

RT: 8.110 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

Tgt Ion:128 Resp: 126131

Ion Ratio Lower Upper

128 100

129 9.9 7.3 10.9

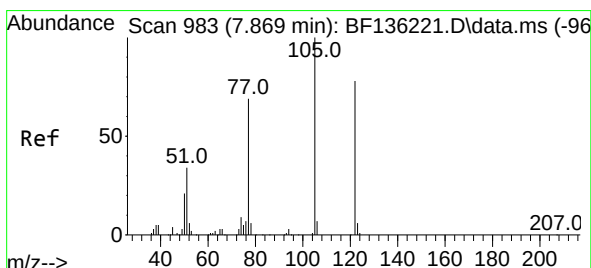
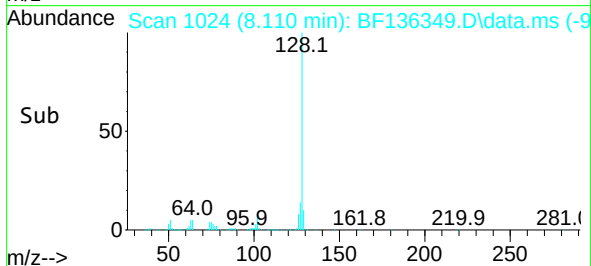
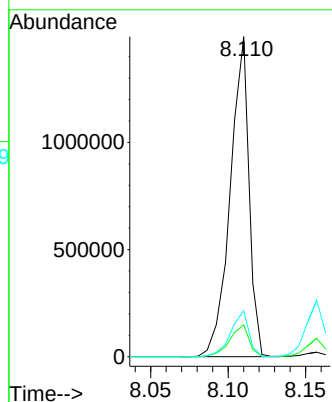
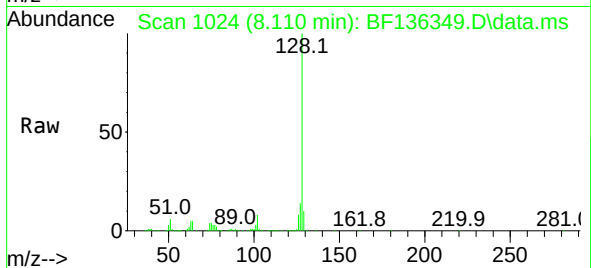
127 14.4 11.8 17.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#32

Benzoic acid

Concen: 46.523 ng

RT: 7.875 min Scan# 984

Delta R.T. 0.006 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

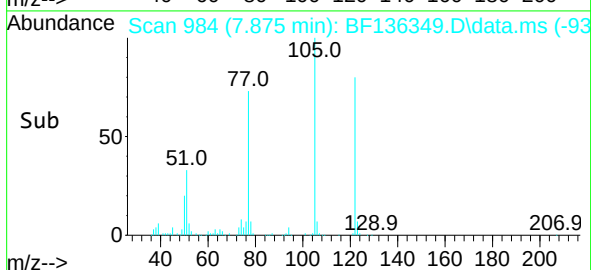
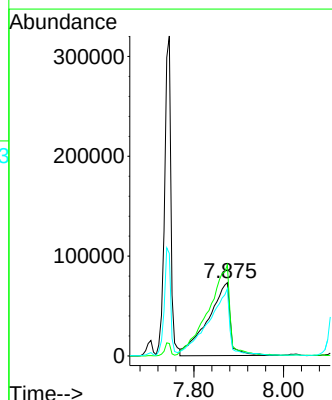
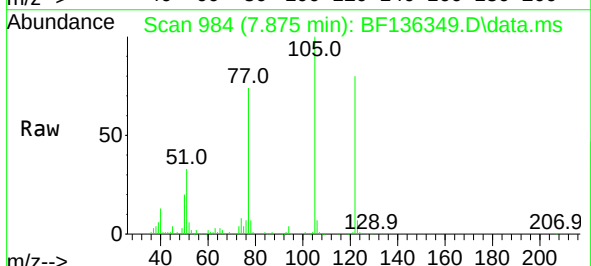
Tgt Ion:122 Resp: 253907

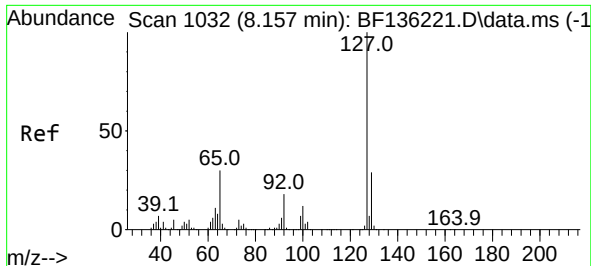
Ion Ratio Lower Upper

122 100

105 124.4 103.7 143.7

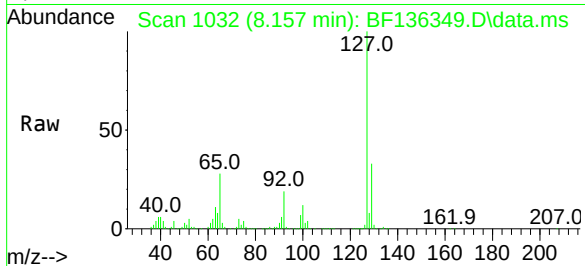
77 91.9 66.8 106.8





#33  
4-Chloroaniline  
Concen: 21.806 ng  
RT: 8.157 min Scan# 1032  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

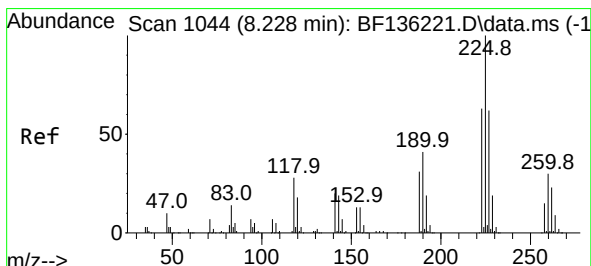
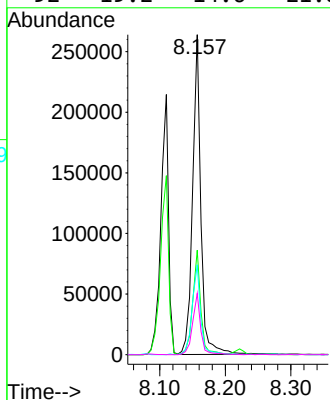
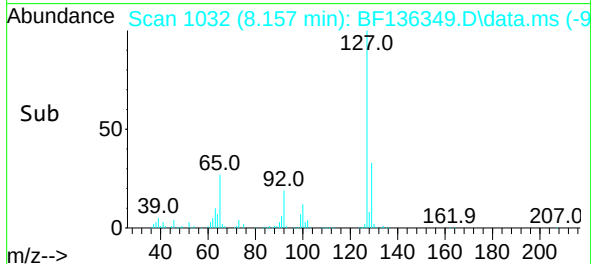
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:127 Resp: 231985  
Ion Ratio Lower Upper  
127 100  
129 32.7 23.4 35.2  
65 28.1 23.8 35.6  
92 19.2 14.6 21.8

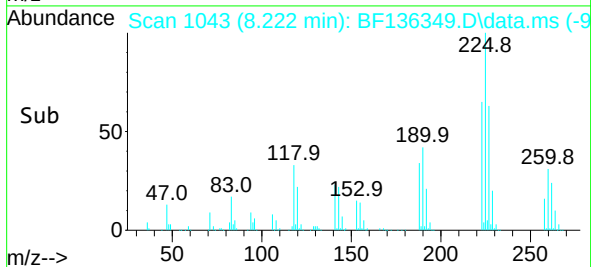
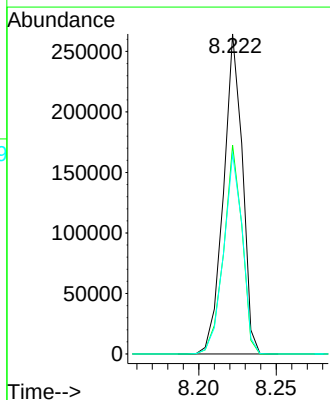
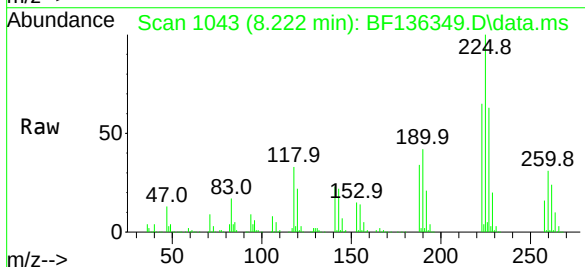
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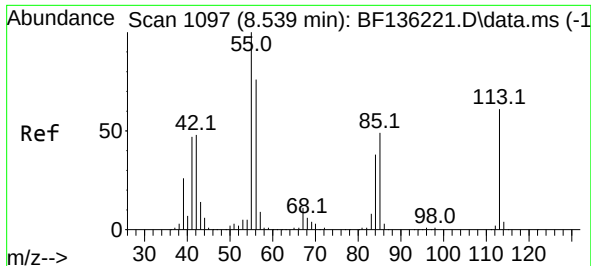
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#34  
Hexachlorobutadiene  
Concen: 38.687 ng  
RT: 8.222 min Scan# 1043  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion:225 Resp: 223829  
Ion Ratio Lower Upper  
225 100  
223 65.3 50.6 75.8  
227 62.5 49.6 74.4





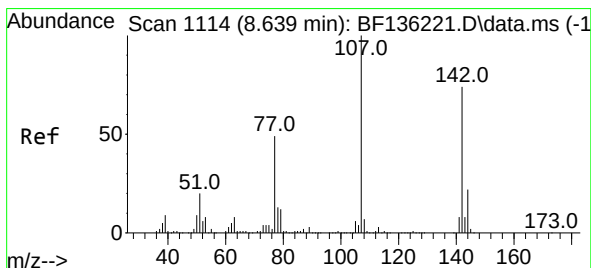
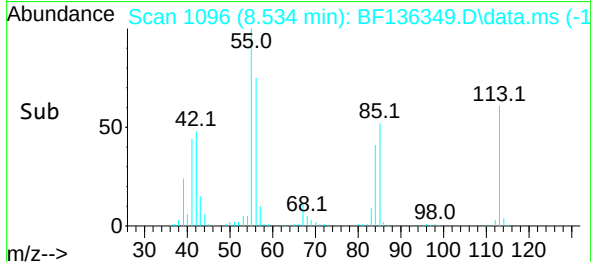
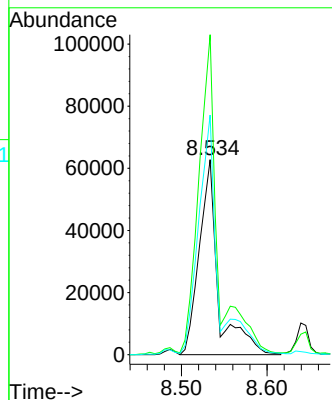
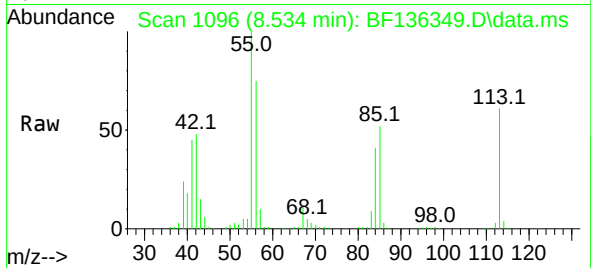
#35  
Caprolactam  
Concen: 42.913 ng m  
RT: 8.534 min Scan# 1096  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD

Tgt Ion:113 Resp: 96899  
Ion Ratio Lower Upper  
113 100  
55 164.0 143.1 183.1  
56 122.8 103.6 143.6

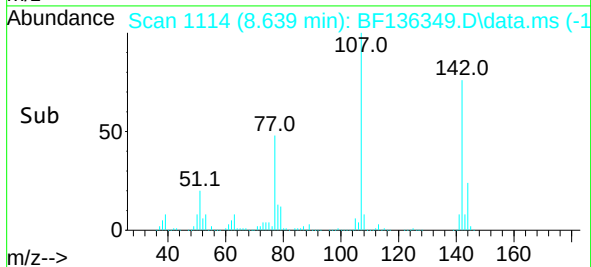
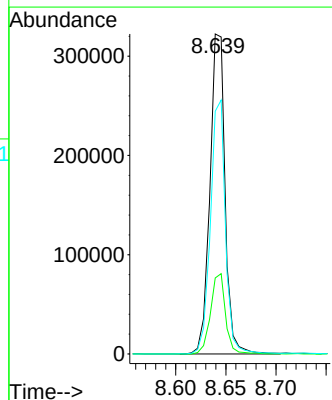
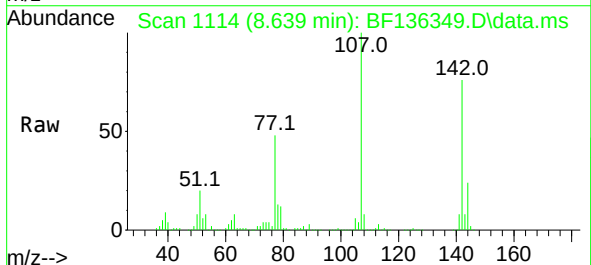
Manual Integrations  
APPROVED

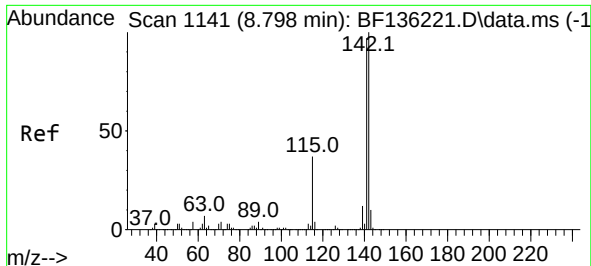
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#36  
4-Chloro-3-methylphenol  
Concen: 38.855 ng  
RT: 8.639 min Scan# 1114  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

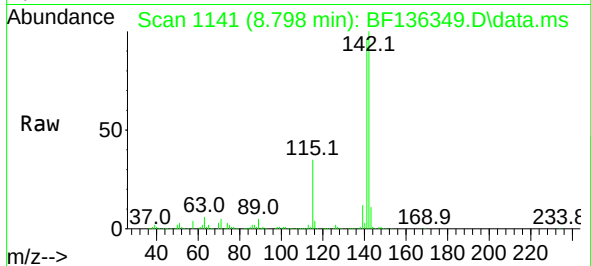
Tgt Ion:107 Resp: 340381  
Ion Ratio Lower Upper  
107 100  
144 23.7 17.8 26.8  
142 75.8 59.4 89.0





#37  
2-Methylnaphthalene  
Concen: 39.359 ng  
RT: 8.798 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

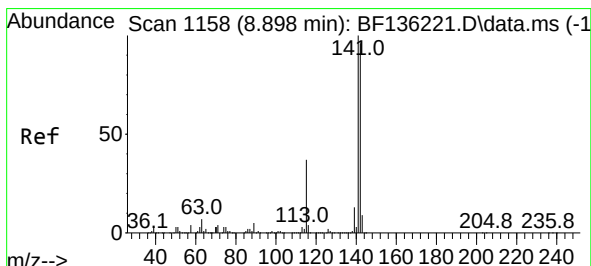
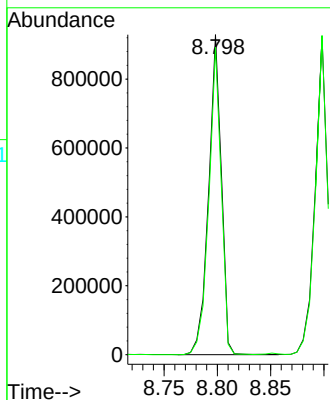
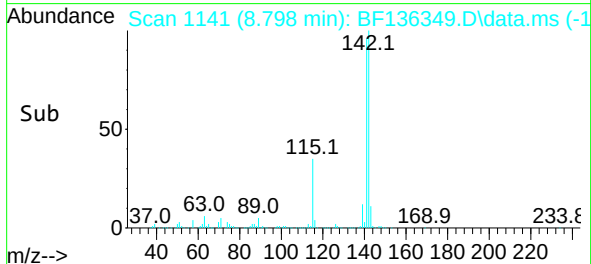
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:142 Resp: 772720  
Ion Ratio Lower Upper  
142 100  
141 96.2 77.8 116.8

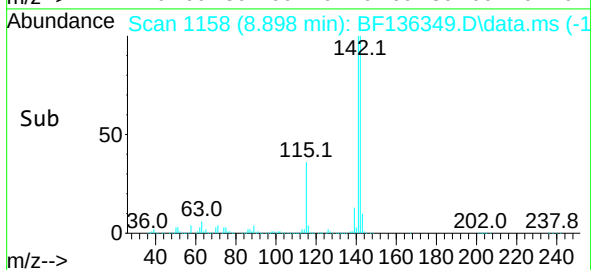
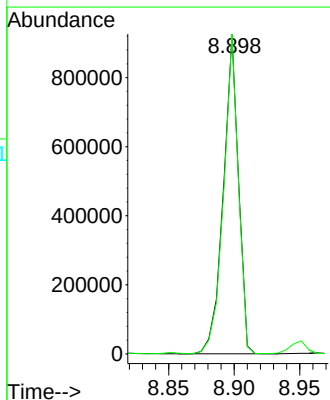
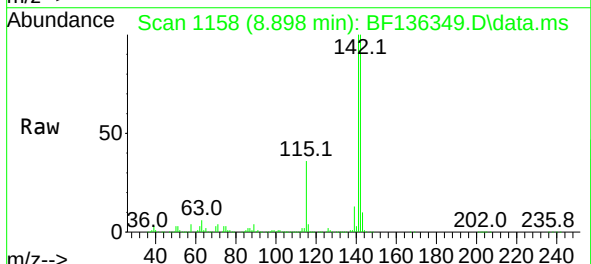
Manual Integrations  
APPROVED

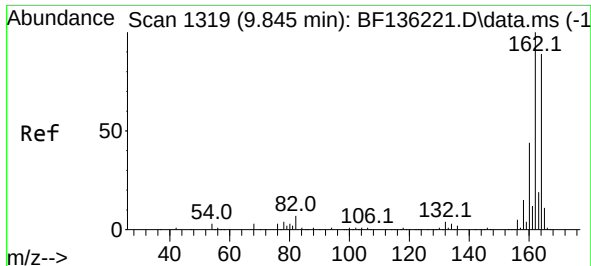
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#38  
1-Methylnaphthalene  
Concen: 38.769 ng  
RT: 8.898 min Scan# 1158  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

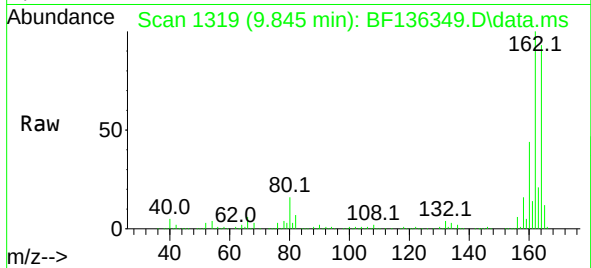
Tgt Ion:142 Resp: 742516  
Ion Ratio Lower Upper  
142 100  
141 100.1 83.8 125.6





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.845 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

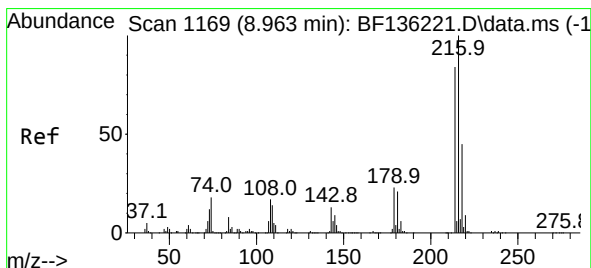
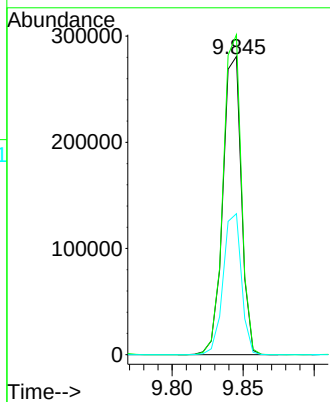
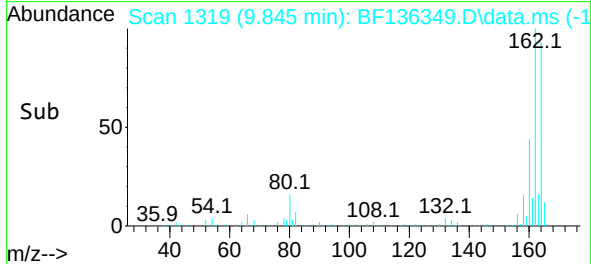
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



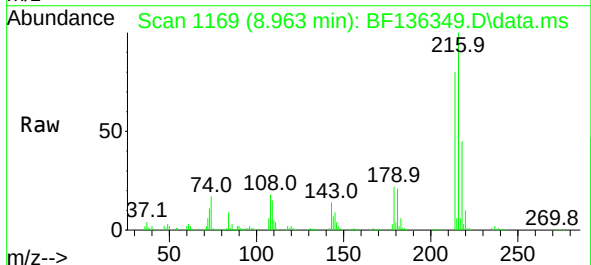
Tgt Ion:164 Resp: 254635  
Ion Ratio Lower Upper  
164 100  
162 107.3 89.5 134.3  
160 47.2 39.6 59.4

Manual Integrations  
APPROVED

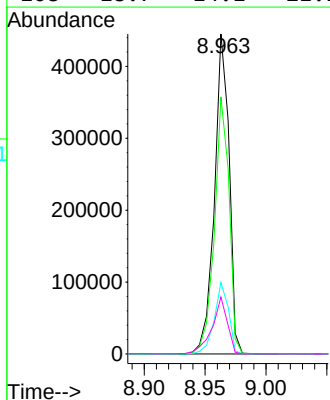
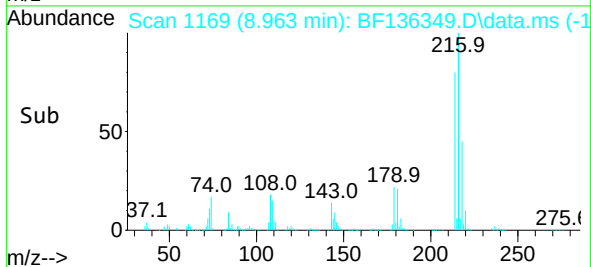
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

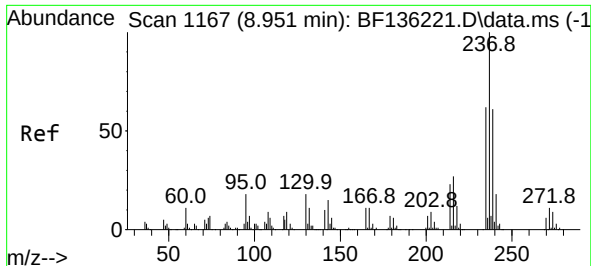


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 45.981 ng  
RT: 8.963 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



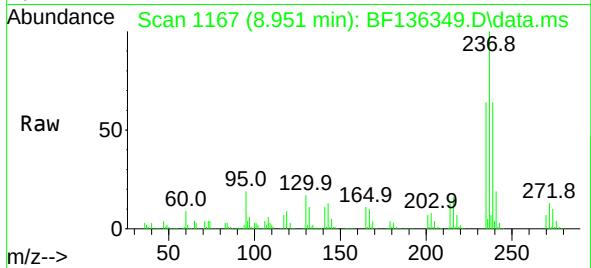
Tgt Ion:216 Resp: 372621  
Ion Ratio Lower Upper  
216 100  
214 80.2 65.8 98.8  
179 21.8 17.4 26.0  
108 18.7 14.1 21.1





#41  
Hexachlorocyclopentadiene  
Concen: 88.386 ng  
RT: 8.951 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

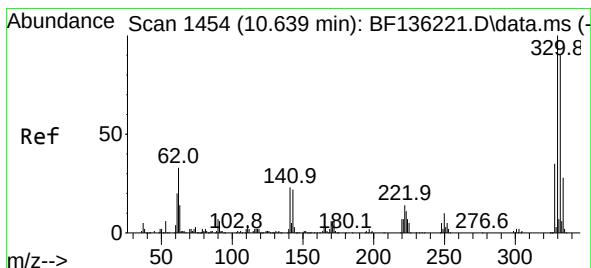
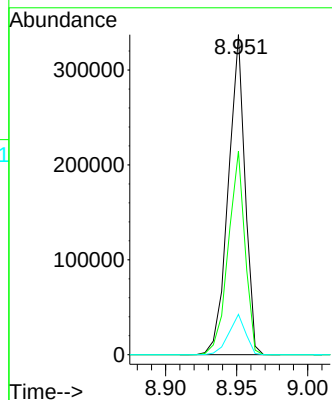
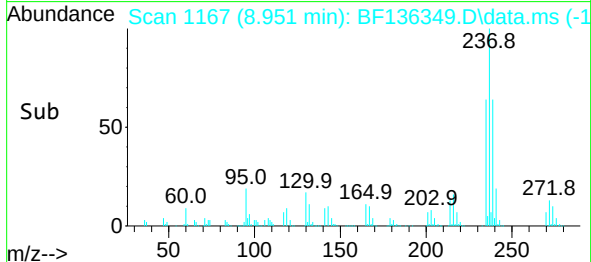
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



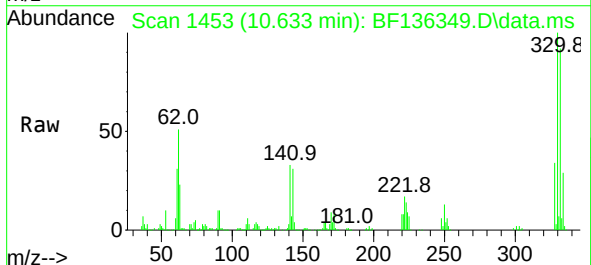
Tgt Ion:237 Resp: 275607  
Ion Ratio Lower Upper  
237 100  
235 63.6 42.1 82.1  
272 12.6 0.0 31.0

Manual Integrations  
APPROVED

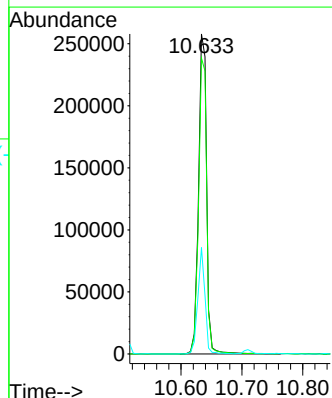
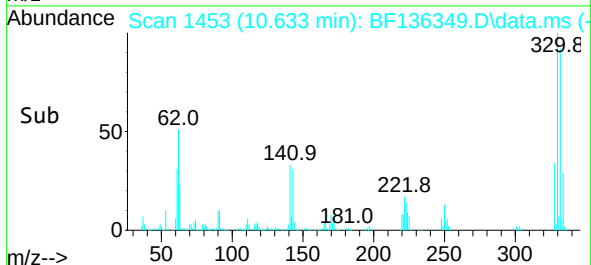
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



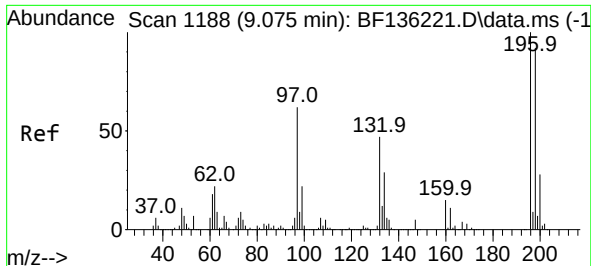
#42  
2,4,6-Tribromophenol  
Concen: 76.140 ng  
RT: 10.633 min Scan# 1453  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion:330 Resp: 237032  
Ion Ratio Lower Upper  
330 100  
332 93.1 73.0 109.6  
141 29.5 24.2 36.2

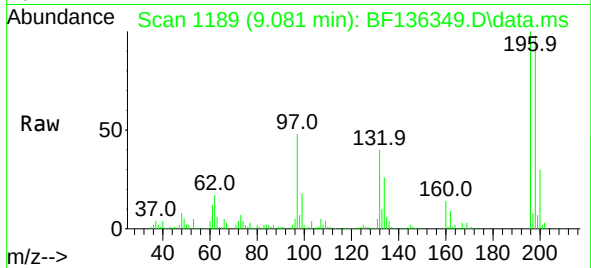






#43  
2,4,6-Trichlorophenol  
Concen: 44.123 ng  
RT: 9.081 min Scan# 1188  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

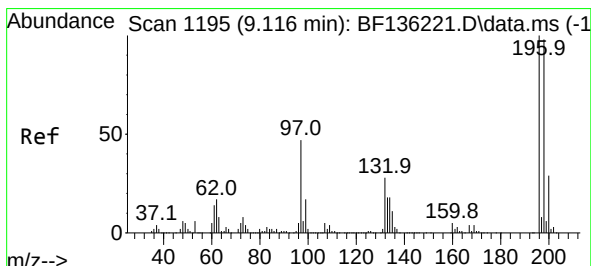
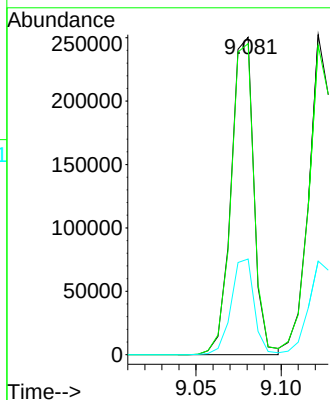
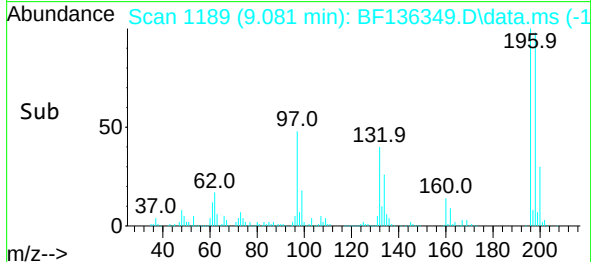
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



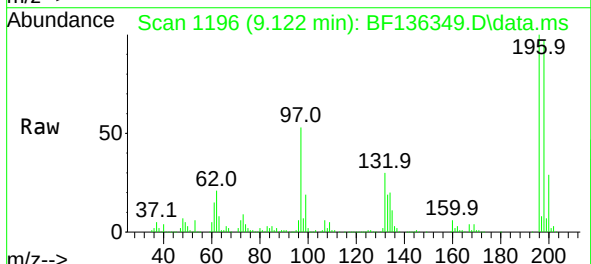
Tgt Ion:196 Resp: 232085  
Ion Ratio Lower Upper  
196 100  
198 98.0 73.2 109.8  
200 30.1 22.4 33.6

Manual Integrations  
APPROVED

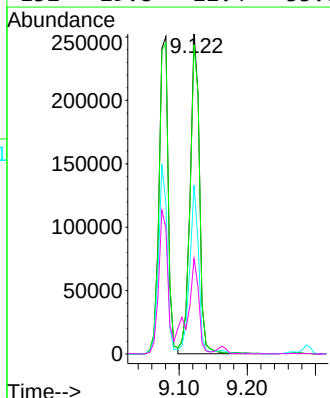
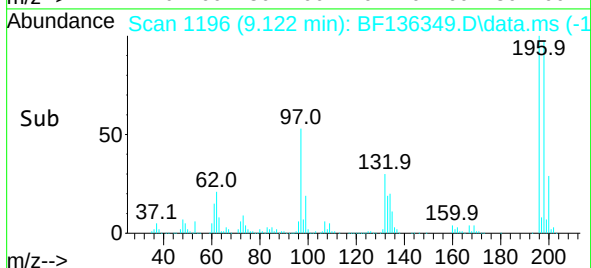
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

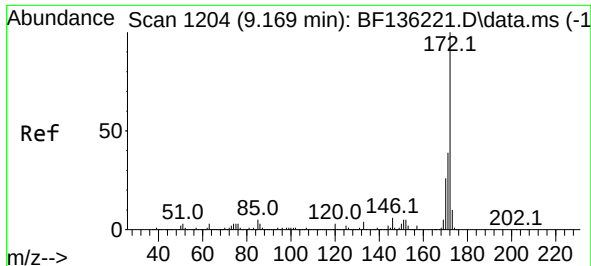


#44  
2,4,5-Trichlorophenol  
Concen: 41.649 ng  
RT: 9.122 min Scan# 1196  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



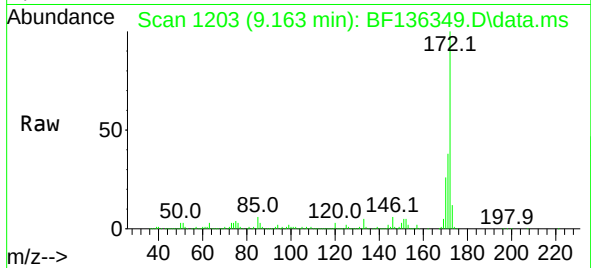
Tgt Ion:196 Resp: 239072  
Ion Ratio Lower Upper  
196 100  
198 96.6 78.8 118.2  
97 52.8 37.8 56.8  
132 29.8 22.4 33.6





#45  
2-Fluorobiphenyl  
Concen: 59.778 ng  
RT: 9.163 min Scan# 119168  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

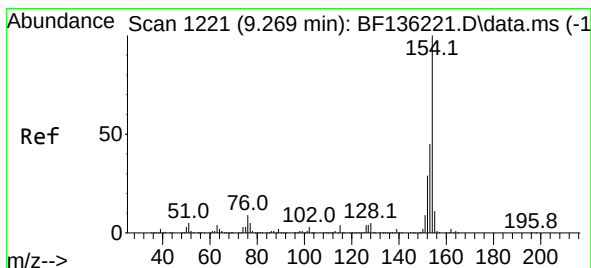
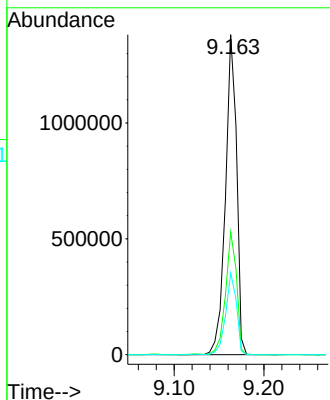
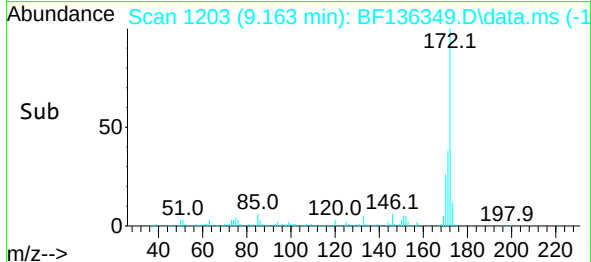
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



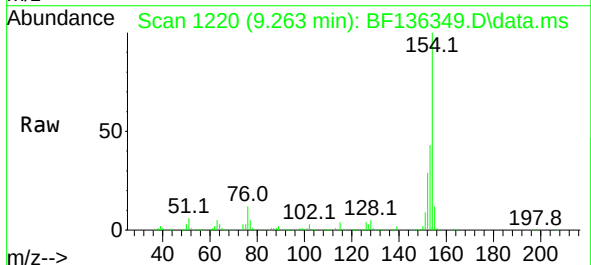
Tgt Ion:172 Resp: 119168  
Ion Ratio Lower Upper  
172 100  
171 38.3 31.5 47.3  
170 25.6 20.8 31.2

Manual Integrations  
APPROVED

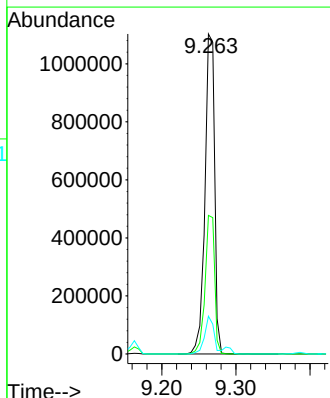
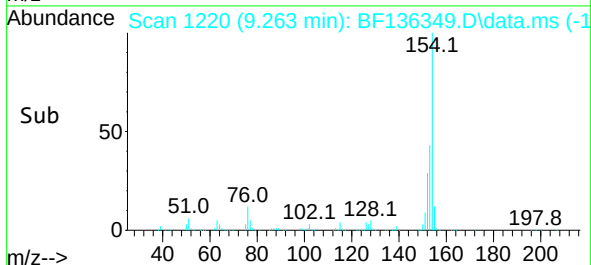
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

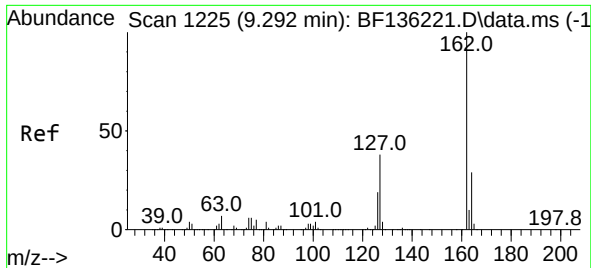


#46  
1,1'-Biphenyl  
Concen: 44.769 ng  
RT: 9.263 min Scan# 1220  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



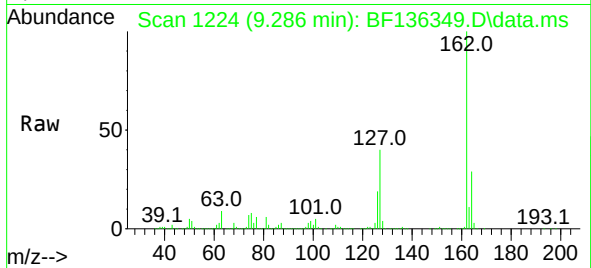
Tgt Ion:154 Resp: 1005285  
Ion Ratio Lower Upper  
154 100  
153 43.3 24.6 64.6  
76 11.8 0.0 29.4





#47  
2-Chloronaphthalene  
Concen: 42.748 ng  
RT: 9.286 min Scan# 1224  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

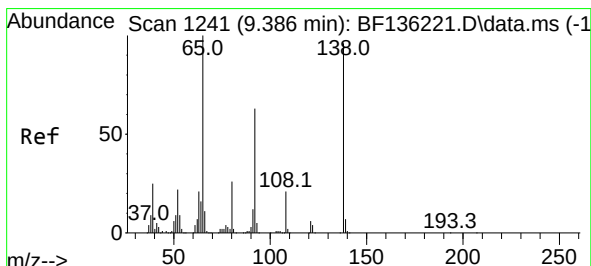
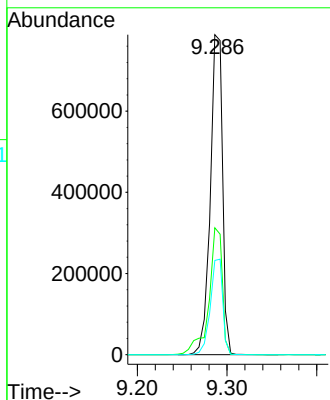
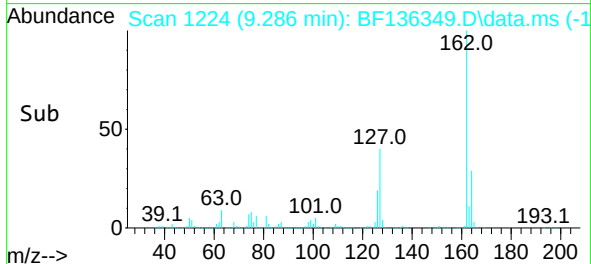
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:162 Resp: 74544  
Ion Ratio Lower Upper  
162 100  
127 39.7 30.2 45.2  
164 29.5 22.8 34.2

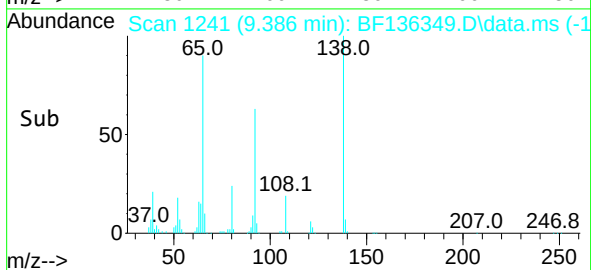
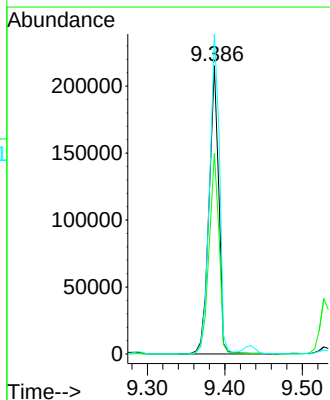
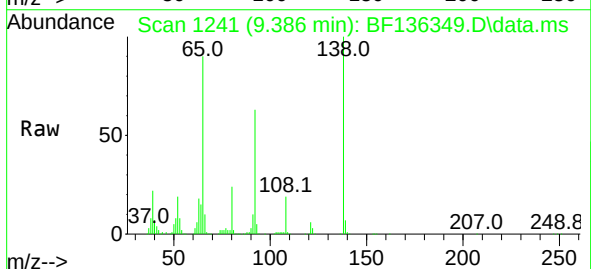
Manual Integrations  
APPROVED

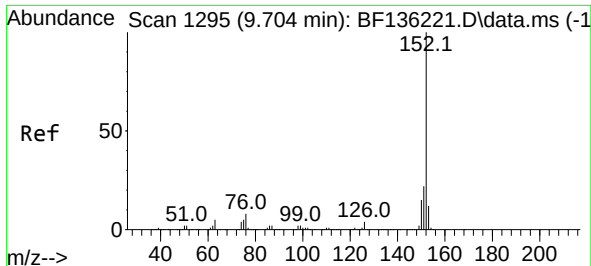
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#48  
2-Nitroaniline  
Concen: 41.259 ng  
RT: 9.386 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

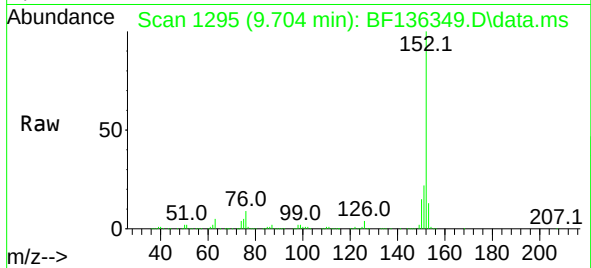
Tgt Ion: 65 Resp: 187846  
Ion Ratio Lower Upper  
65 100  
92 69.6 50.6 75.8  
138 111.0 76.7 115.1





#49  
Acenaphthylene  
Concen: 46.274 ng  
RT: 9.704 min Scan# 1295  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

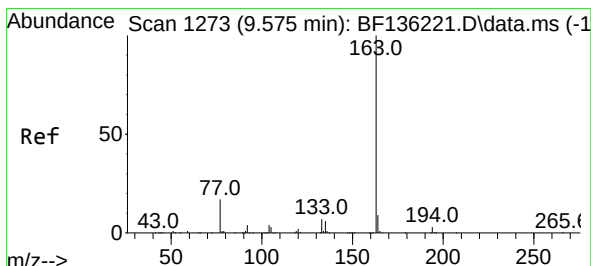
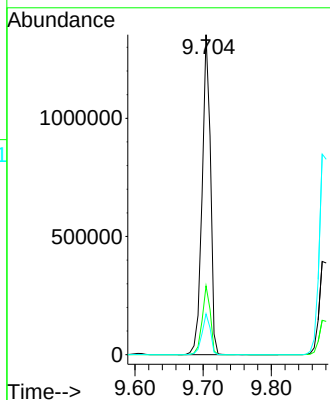
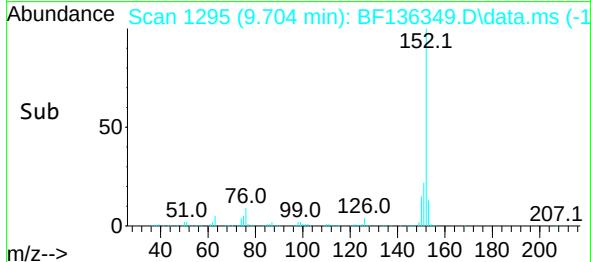
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



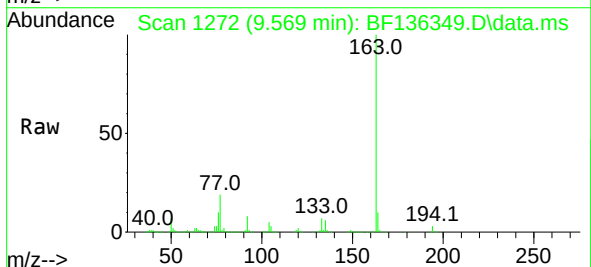
Tgt Ion:152 Resp: 115154  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.5 26.3  
153 12.8 9.6 14.4

Manual Integrations  
APPROVED

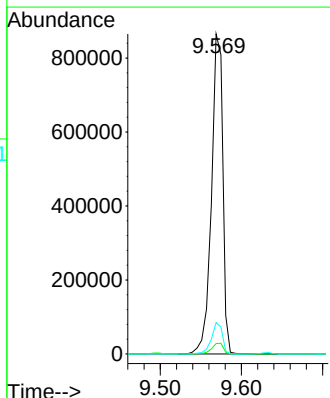
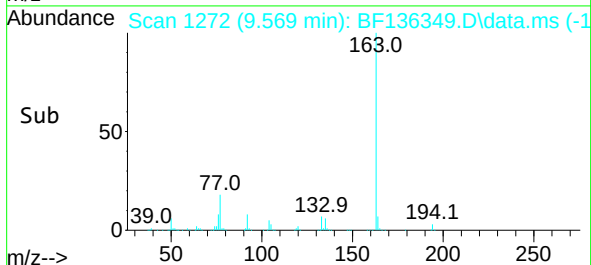
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

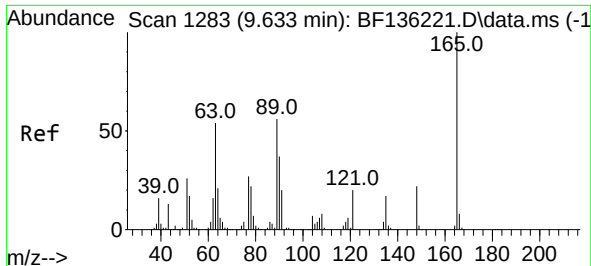


#50  
Dimethylphthalate  
Concen: 43.442 ng  
RT: 9.569 min Scan# 1272  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion:163 Resp: 836081  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.5 3.7  
164 9.8 7.0 10.6





#51

2,6-Dinitrotoluene

Concen: 42.562 ng

RT: 9.633 min Scan# 1283

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

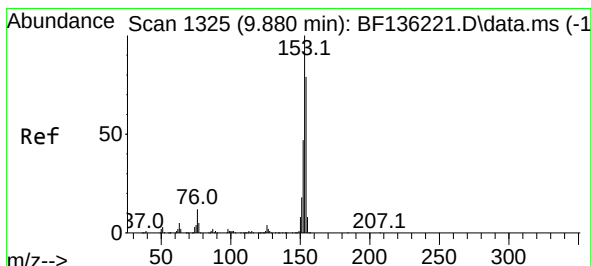
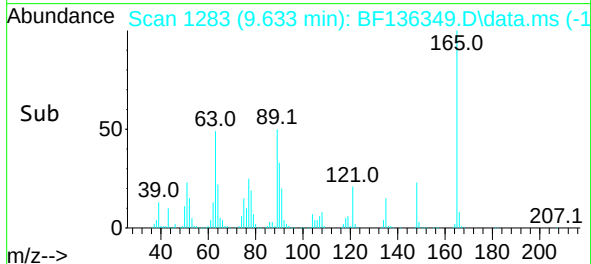
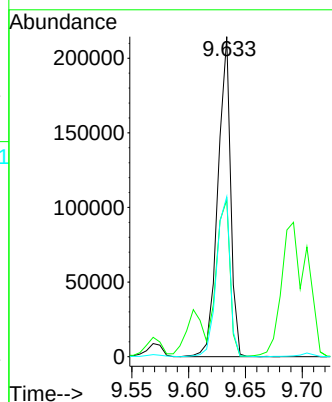
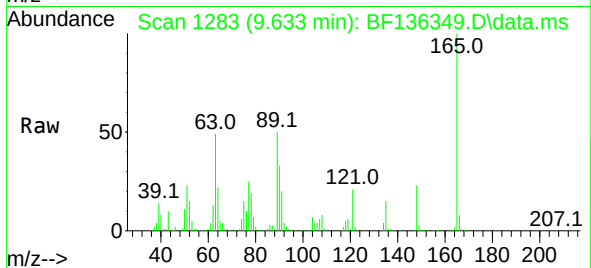
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 165   | Resp: | 167344 |
| Ion Ratio | Lower | Upper |        |
| 165       | 100   |       |        |
| 63        | 49.0  | 46.2  | 69.2   |
| 89        | 49.9  | 44.9  | 67.3   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#52

Acenaphthene

Concen: 41.798 ng

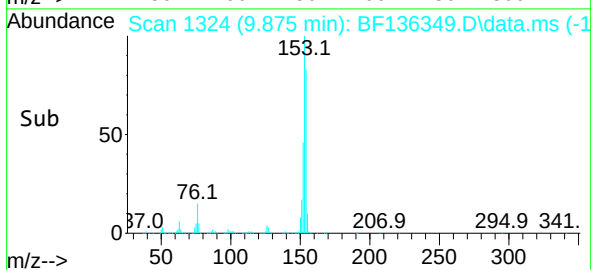
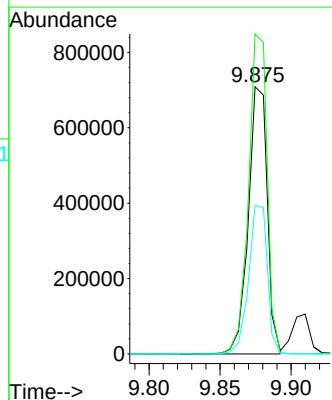
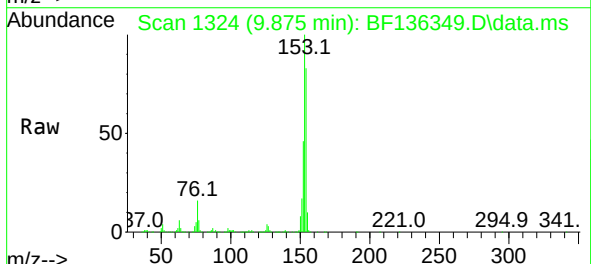
RT: 9.875 min Scan# 1324

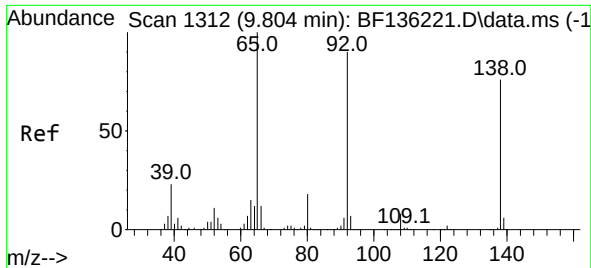
Delta R.T. -0.006 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

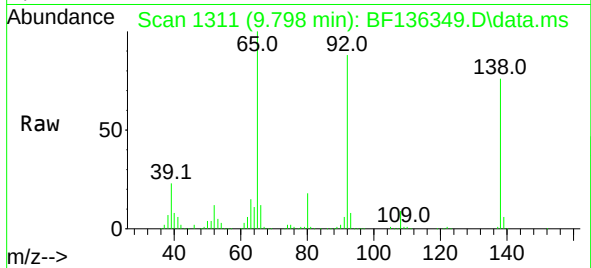
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 657329 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 119.8 | 100.8 | 151.2  |
| 152       | 55.7  | 47.0  | 70.6   |





#53  
3-Nitroaniline  
Concen: 31.564 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

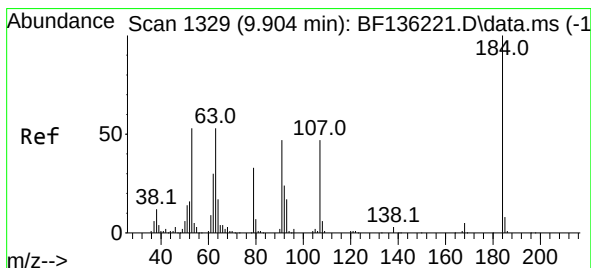
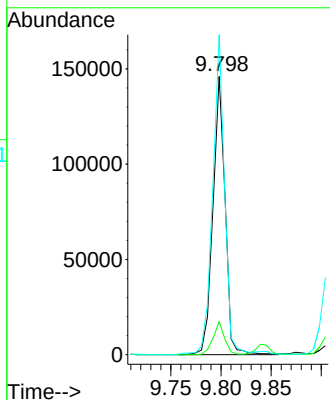
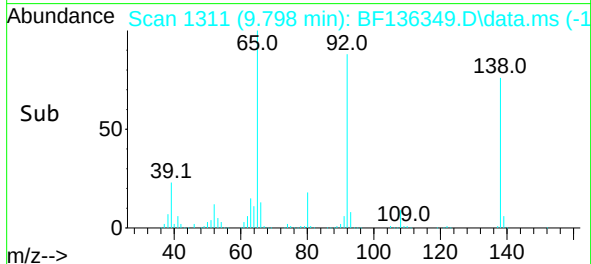
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:138 Resp: 123139  
Ion Ratio Lower Upper  
138 100  
108 11.9 8.7 13.1  
92 115.0 94.2 141.4

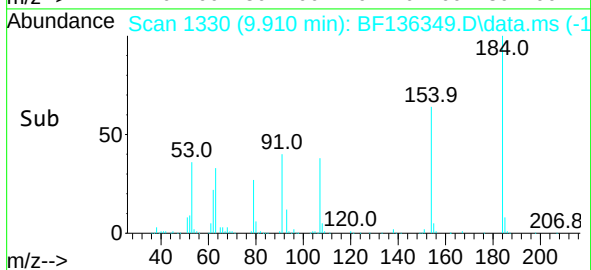
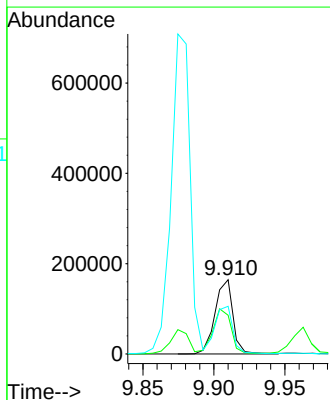
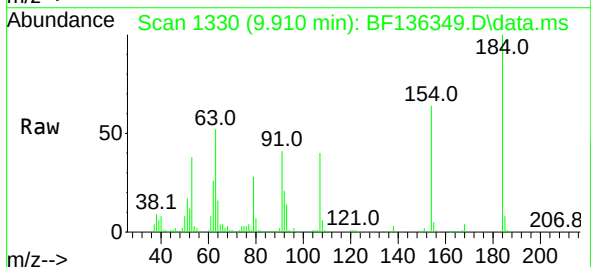
Manual Integrations  
APPROVED

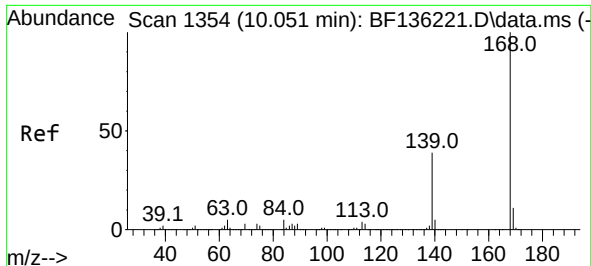
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#54  
2,4-Dinitrophenol  
Concen: 78.831 ng  
RT: 9.910 min Scan# 1330  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

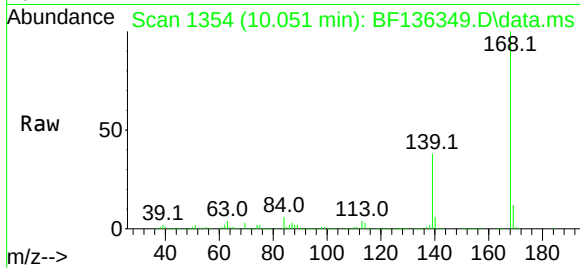
Tgt Ion:184 Resp: 144152  
Ion Ratio Lower Upper  
184 100  
63 52.2 55.0 82.4#  
154 64.3 54.9 82.3





#55  
Dibenzenofuran  
Concen: 41.124 ng  
RT: 10.051 min Scan# 1354  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

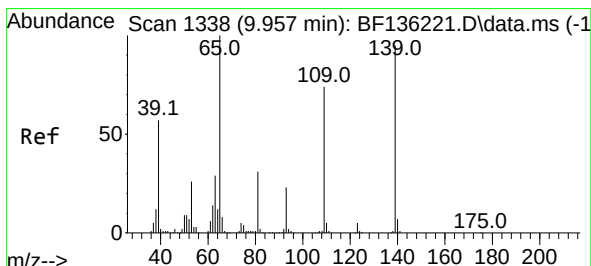
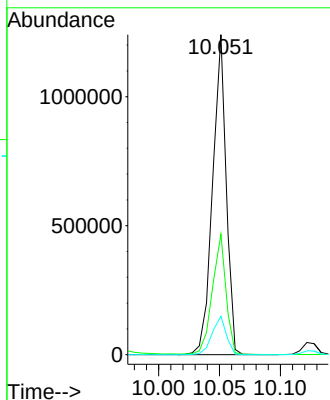
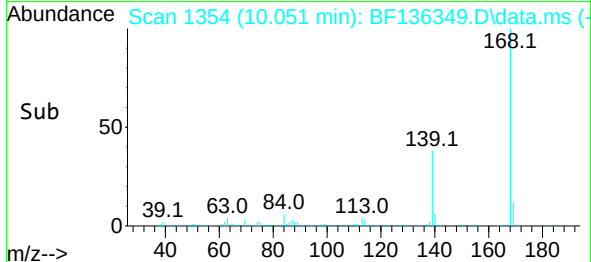
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:168 Resp: 96236  
Ion Ratio Lower Upper  
168 100  
139 37.7 30.9 46.3  
169 12.0 9.1 13.7

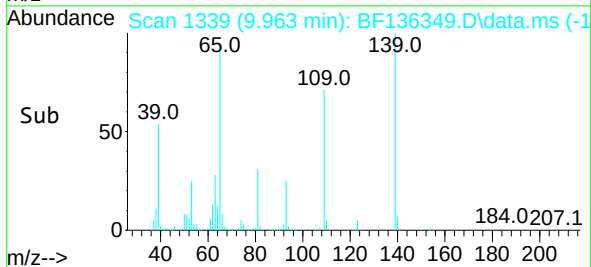
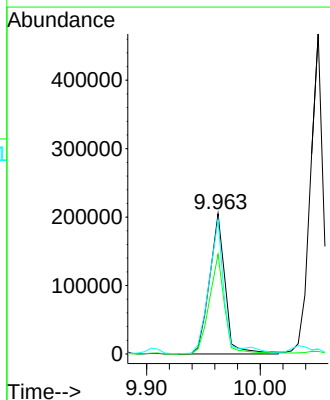
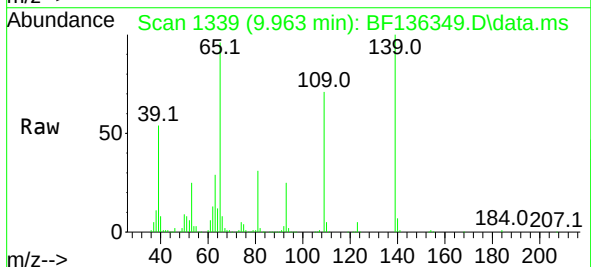
Manual Integrations  
APPROVED

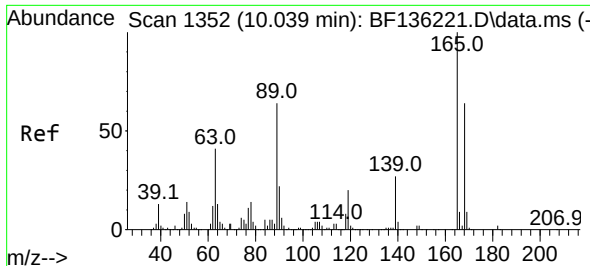
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#56  
4-Nitrophenol  
Concen: 66.360 ng  
RT: 9.963 min Scan# 1339  
Delta R.T. 0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

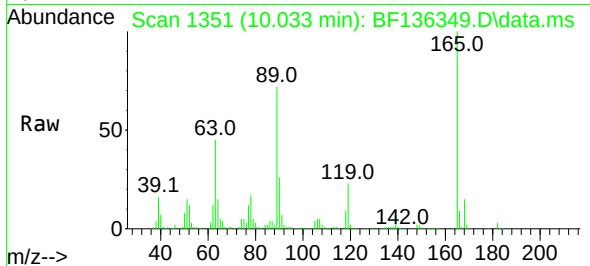
Tgt Ion:139 Resp: 196624  
Ion Ratio Lower Upper  
139 100  
109 71.0 57.8 97.8  
65 95.5 86.0 126.0





#57  
2,4-Dinitrotoluene  
Concen: 38.567 ng  
RT: 10.033 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

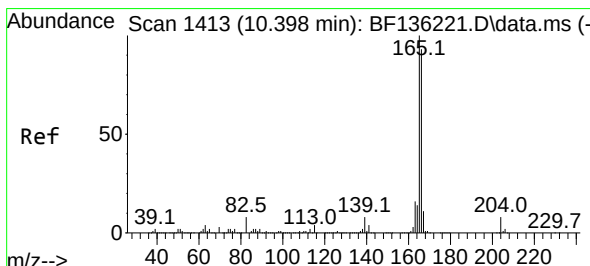
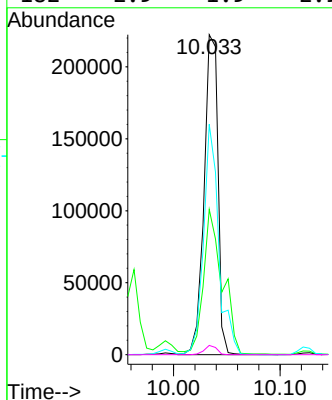
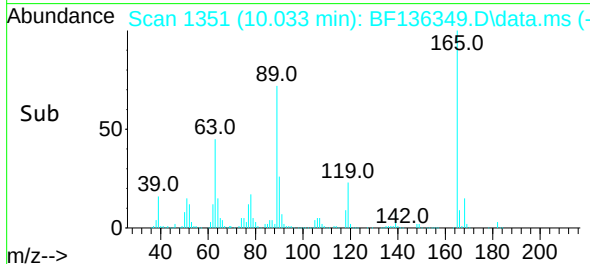
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:165 Resp: 20255  
Ion Ratio Lower Upper  
165 100  
63 45.4 33.0 49.4  
89 72.0 51.5 77.3  
182 2.9 1.9 2.9#

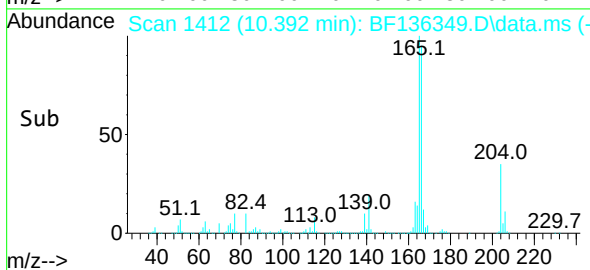
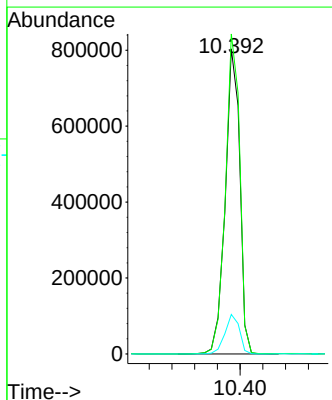
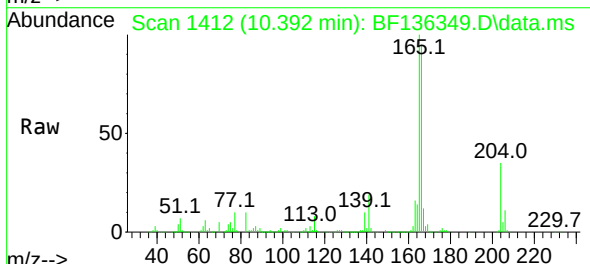
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

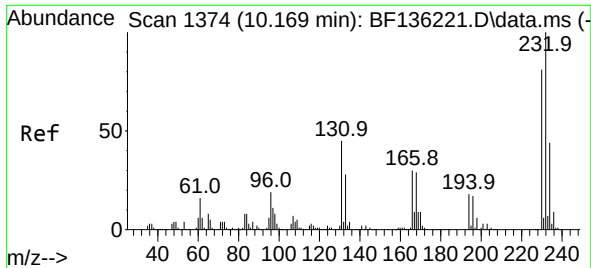


#58  
Fluorene  
Concen: 38.918 ng  
RT: 10.392 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Tgt Ion:166 Resp: 714363  
Ion Ratio Lower Upper  
166 100  
165 104.9 86.2 129.4  
167 12.9 9.1 13.7

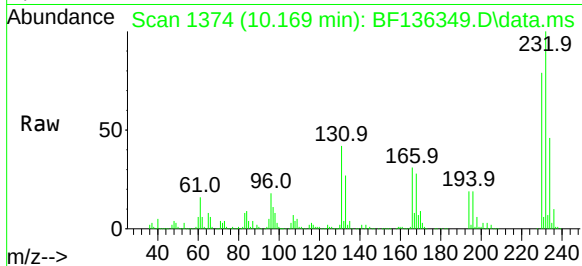






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.647 ng  
RT: 10.169 min Scan# 1374  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

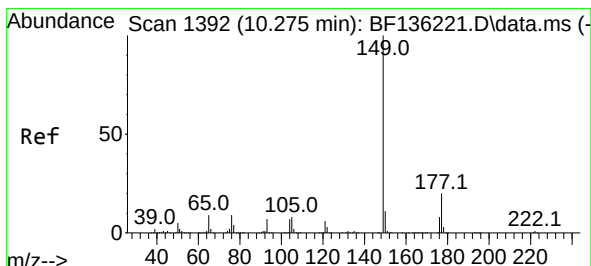
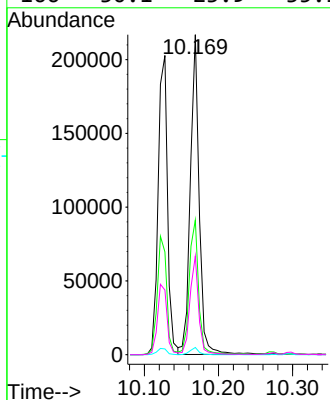
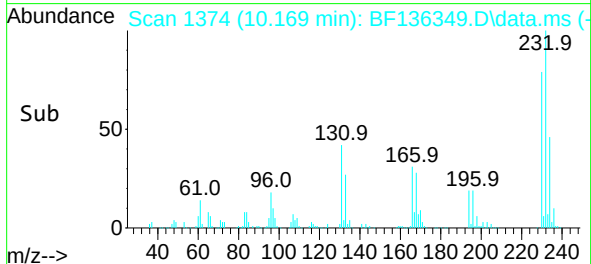
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



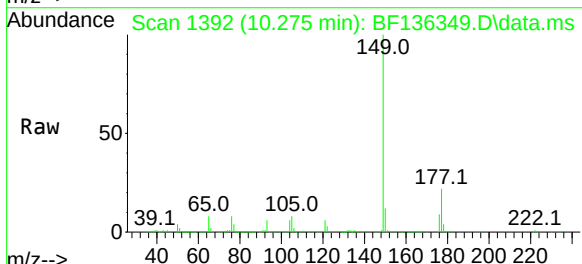
Tgt Ion:232 Resp: 181071  
Ion Ratio Lower Upper  
232 100  
131 44.6 36.4 54.6  
130 2.2 1.9 2.9  
166 30.1 23.9 35.9

Manual Integrations  
APPROVED

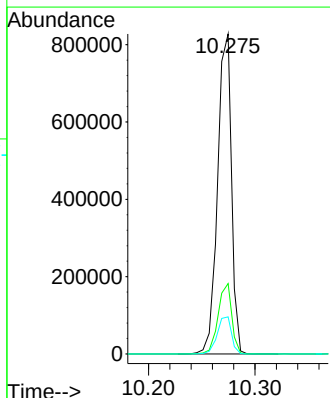
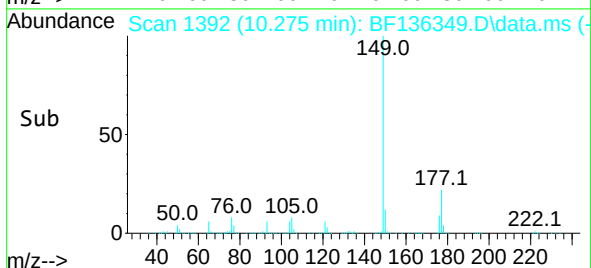
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

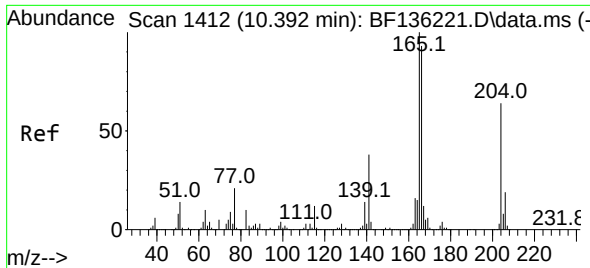


#60  
Diethylphthalate  
Concen: 38.786 ng  
RT: 10.275 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



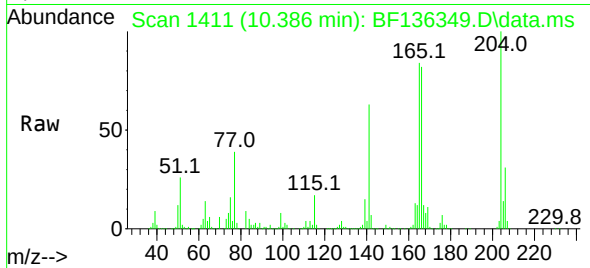
Tgt Ion:149 Resp: 746707  
Ion Ratio Lower Upper  
149 100  
177 22.0 15.8 23.6  
150 11.6 8.8 13.2





#61  
4-Chlorophenyl-phenylether  
Concen: 39.387 ng  
RT: 10.386 min Scan# 1411  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

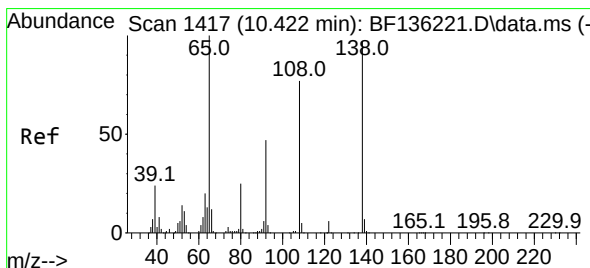
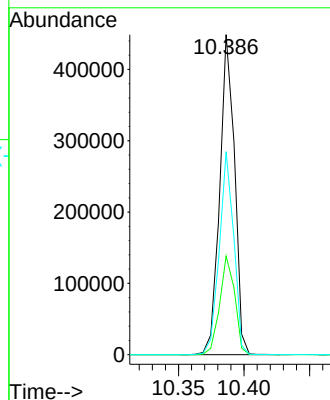
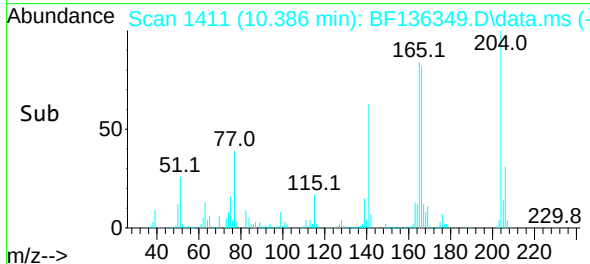
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:204 Resp: 351100  
Ion Ratio Lower Upper  
204 100  
206 30.9 23.4 35.0  
141 63.4 47.6 71.4

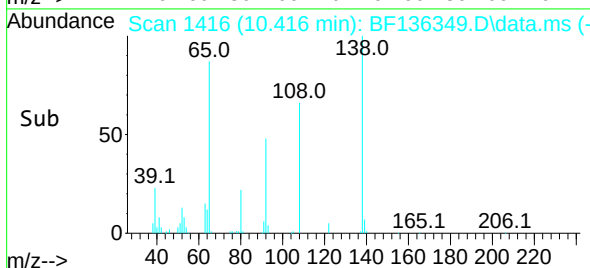
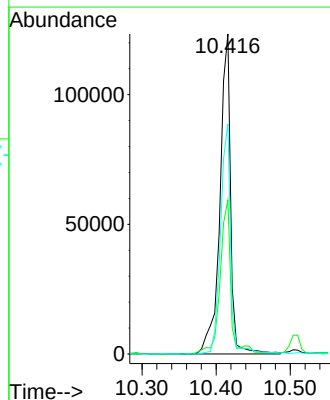
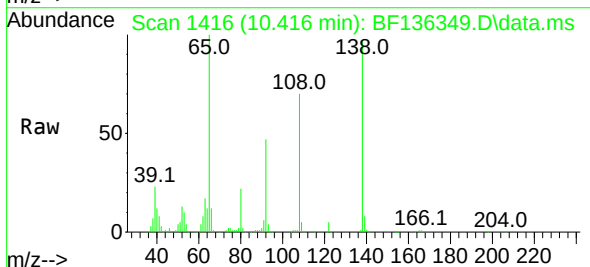
Manual Integrations  
APPROVED

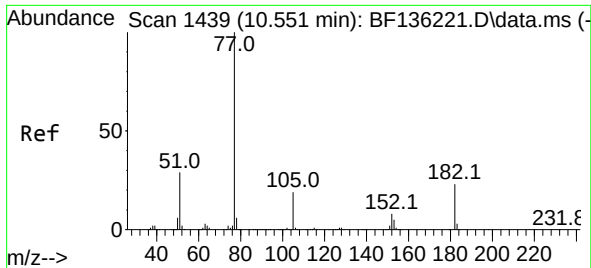
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#62  
4-Nitroaniline  
Concen: 32.508 ng  
RT: 10.416 min Scan# 1416  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

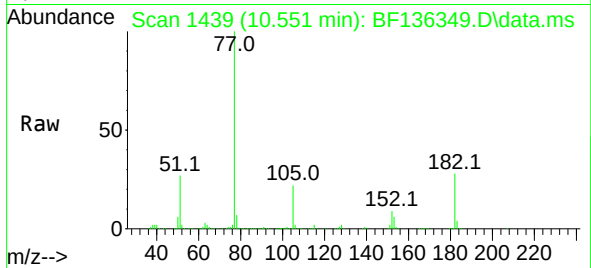
Tgt Ion:138 Resp: 124137  
Ion Ratio Lower Upper  
138 100  
92 48.1 28.5 68.5  
108 71.9 59.8 99.8





#63  
Azobenzene  
Concen: 37.816 ng  
RT: 10.551 min Scan# 1439  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

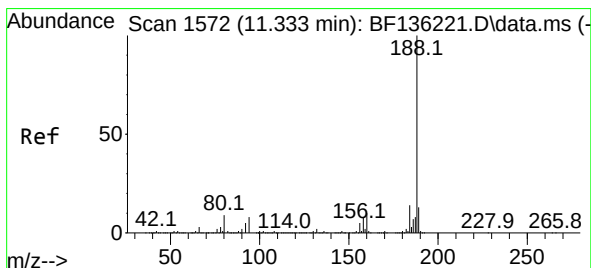
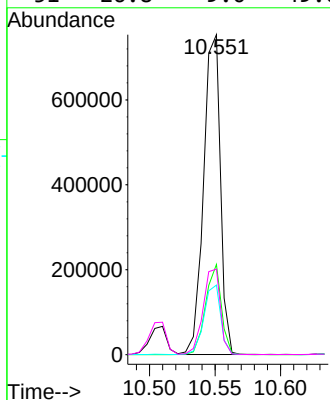
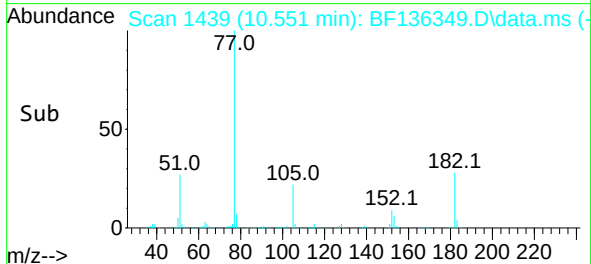
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



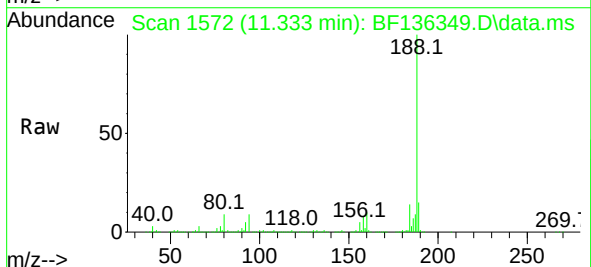
Tgt Ion: 77 Resp: 67493  
Ion Ratio Lower Upper  
77 100  
182 28.2 3.3 43.3  
105 21.8 0.0 39.5  
51 26.8 9.0 49.0

Manual Integrations  
APPROVED

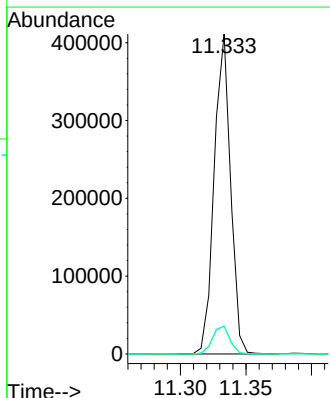
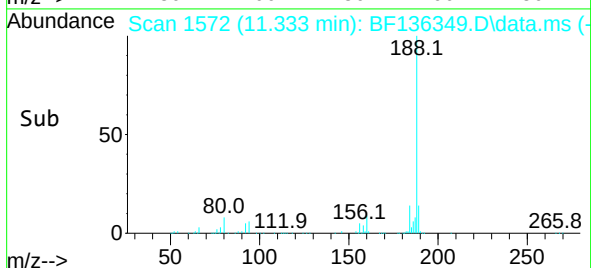
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

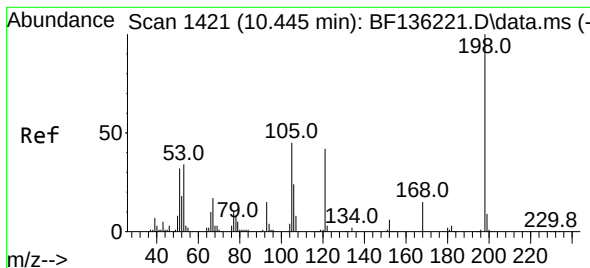


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.333 min Scan# 1572  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion:188 Resp: 356127  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.7 10.1  
80 8.7 7.2 10.8





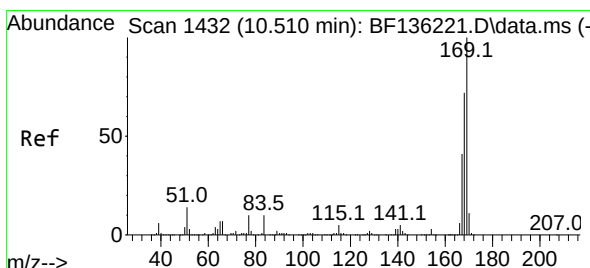
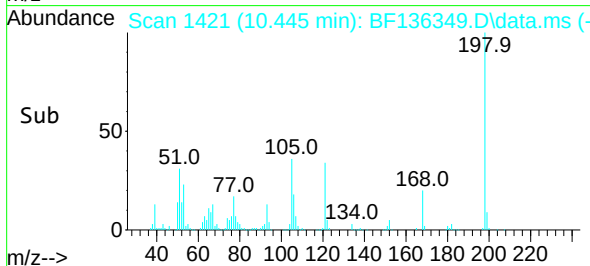
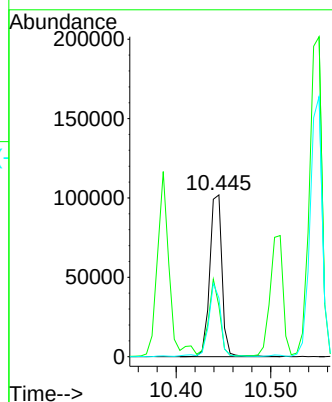
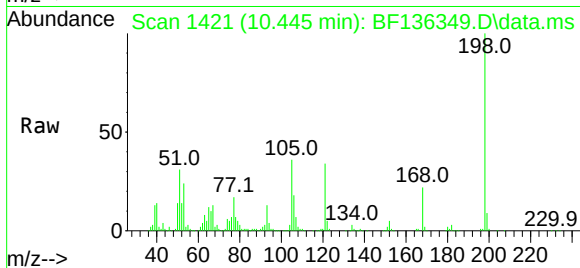
#65  
4,6-Dinitro-2-methylphenol  
Concen: 46.872 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD

Tgt Ion:198 Resp: 9128  
Ion Ratio Lower Upper  
198 100  
51 31.4 28.2 68.2  
105 36.3 25.7 65.7

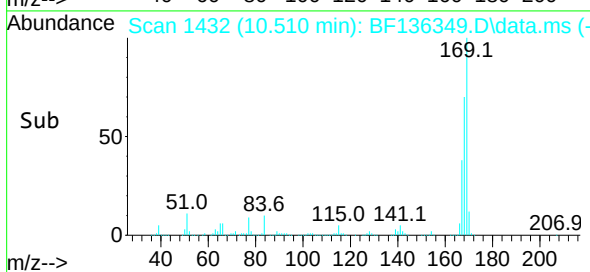
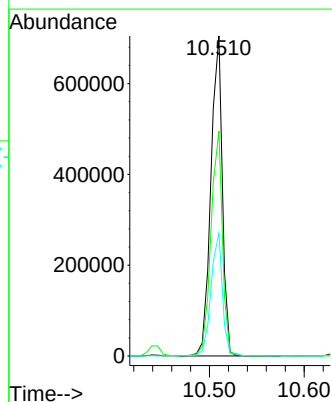
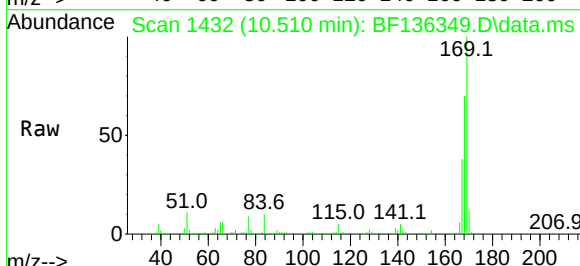
Manual Integrations  
APPROVED

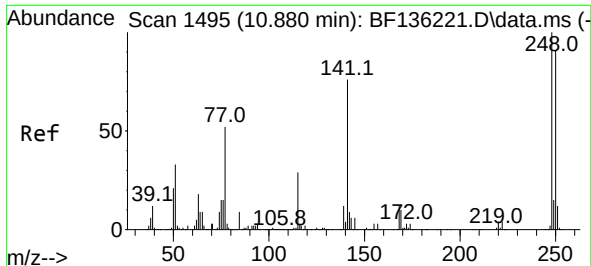
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#66  
n-Nitrosodiphenylamine  
Concen: 51.819 ng  
RT: 10.510 min Scan# 1432  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

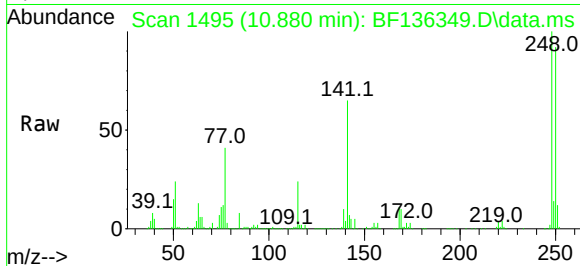
Tgt Ion:169 Resp: 591384  
Ion Ratio Lower Upper  
169 100  
168 70.3 57.8 86.6  
167 38.4 32.7 49.1





#67  
4-Bromophenyl-phenylether  
Concen: 50.324 ng  
RT: 10.880 min Scan# 1495  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

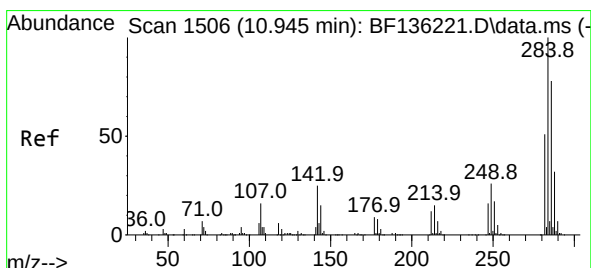
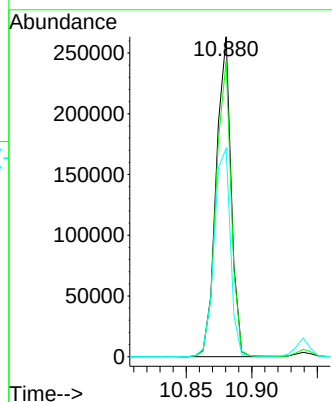
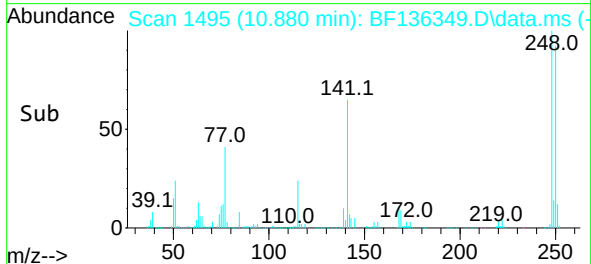
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



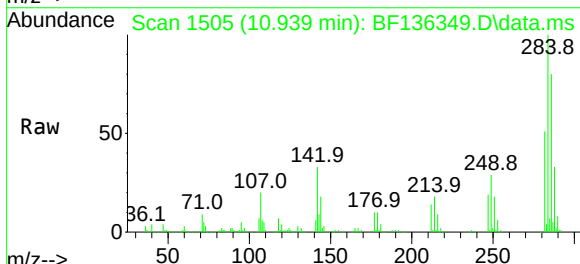
Tgt Ion:248 Resp: 209084  
Ion Ratio Lower Upper  
248 100  
250 92.3 72.5 108.7  
141 65.0 60.8 91.2

Manual Integrations  
APPROVED

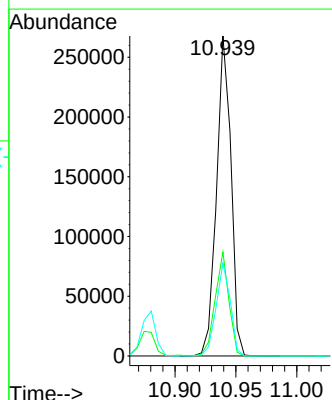
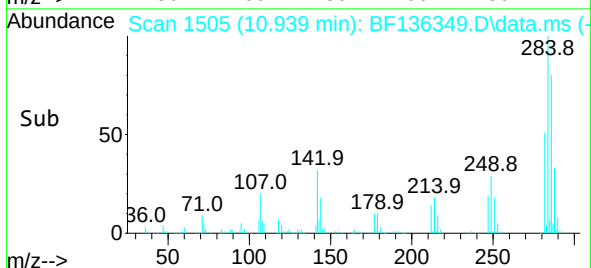
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

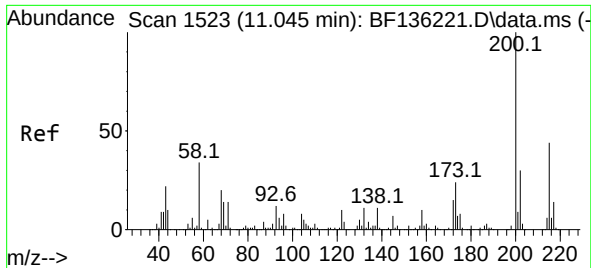


#68  
Hexachlorobenzene  
Concen: 46.066 ng  
RT: 10.939 min Scan# 1505  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



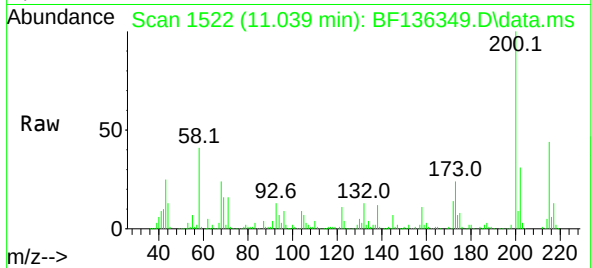
Tgt Ion:284 Resp: 221515  
Ion Ratio Lower Upper  
284 100  
142 32.5 19.8 29.8#  
249 29.1 21.0 31.4





#69  
Atrazine  
Concen: 49.095 ng  
RT: 11.039 min Scan# 1522  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

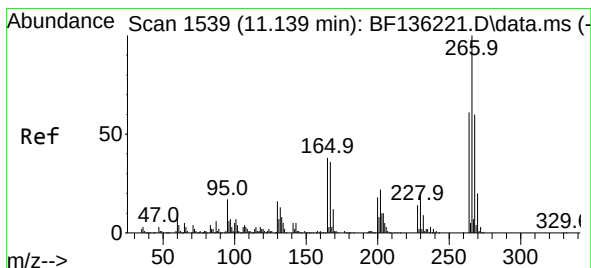
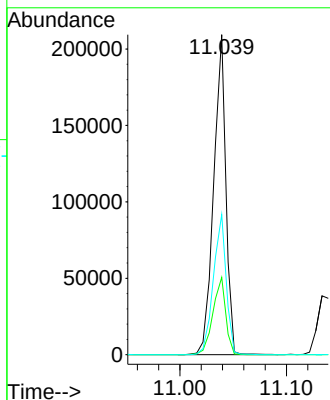
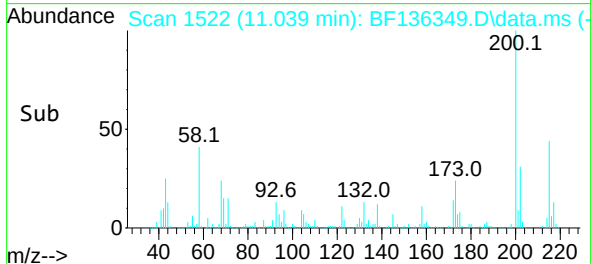
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



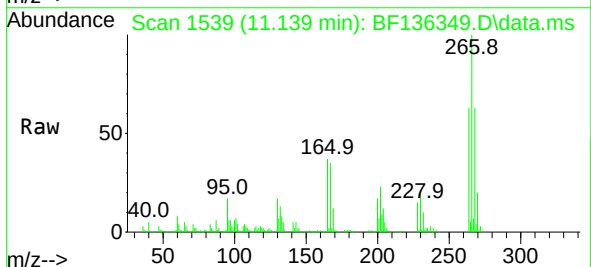
Tgt Ion:200 Resp: 16621  
Ion Ratio Lower Upper  
200 100  
173 24.2 4.3 44.3  
215 43.8 23.8 63.8

Manual Integrations  
APPROVED

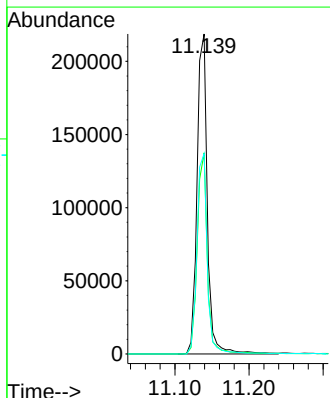
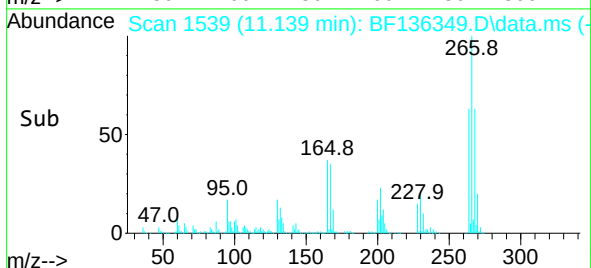
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

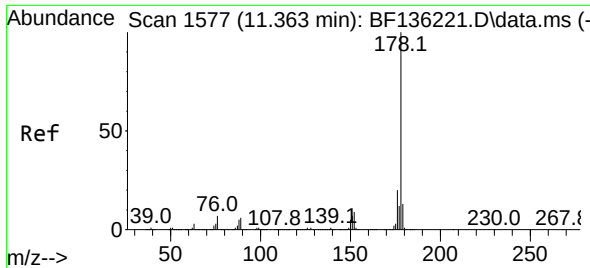


#70  
Pentachlorophenol  
Concen: 77.351 ng  
RT: 11.139 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion:266 Resp: 210247  
Ion Ratio Lower Upper  
266 100  
268 62.9 47.9 71.9  
264 62.6 49.1 73.7





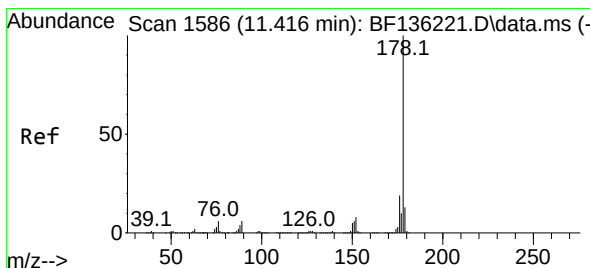
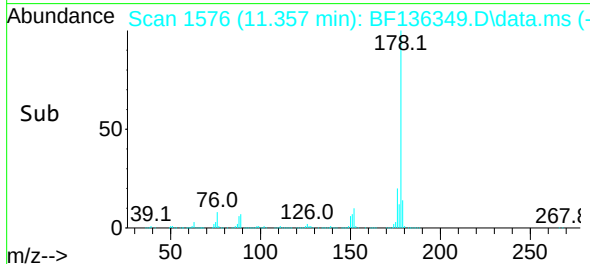
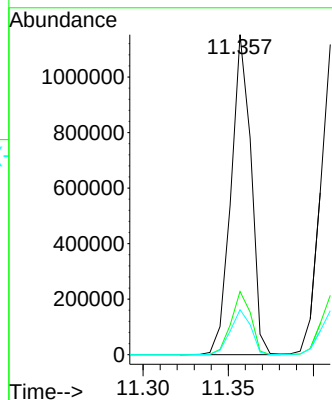
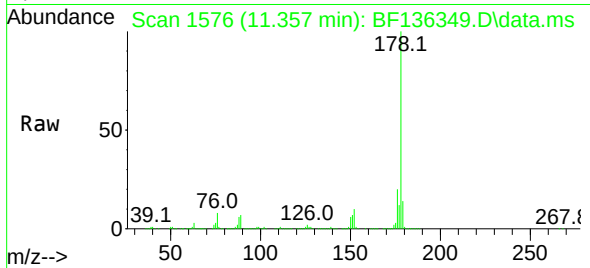
#71  
Phenanthrene  
Concen: 46.964 ng  
RT: 11.357 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD

Tgt Ion:178 Resp: 94003  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.2 24.2  
179 14.1 10.3 15.5

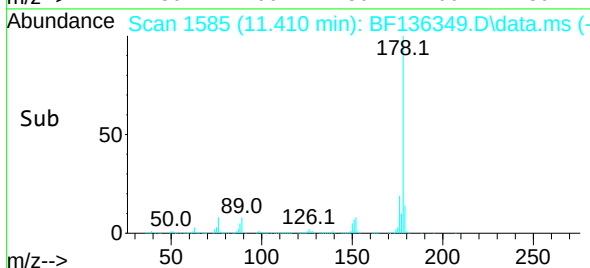
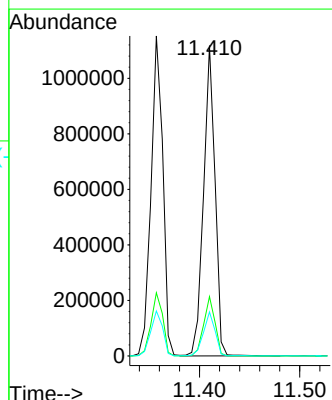
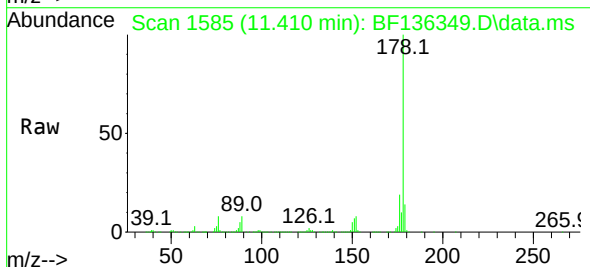
Manual Integrations  
APPROVED

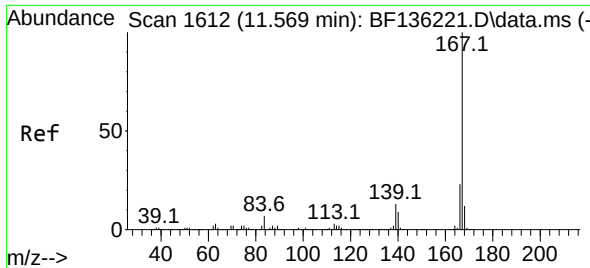
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#72  
Anthracene  
Concen: 44.451 ng  
RT: 11.410 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

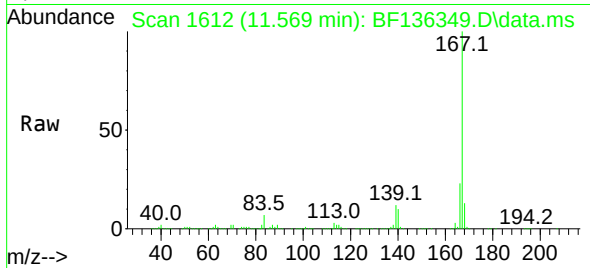
Tgt Ion:178 Resp: 892249  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.5 23.3  
179 14.2 10.5 15.7





#73  
 Carbazole  
 Concen: 39.002 ng  
 RT: 11.569 min Scan# 1612  
 Delta R.T. 0.000 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14

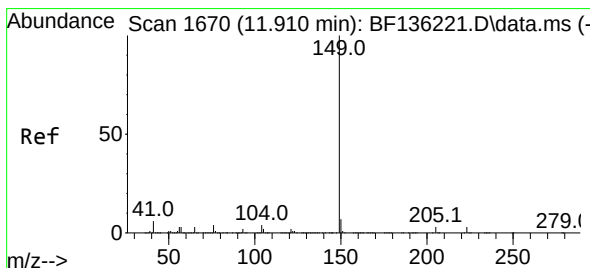
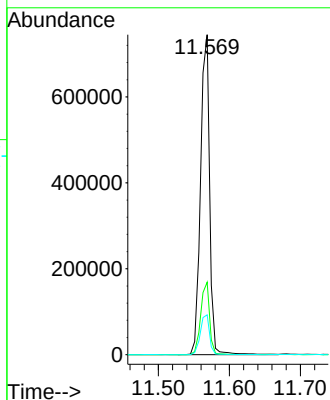
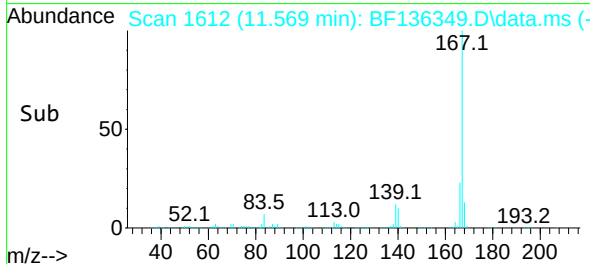
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD



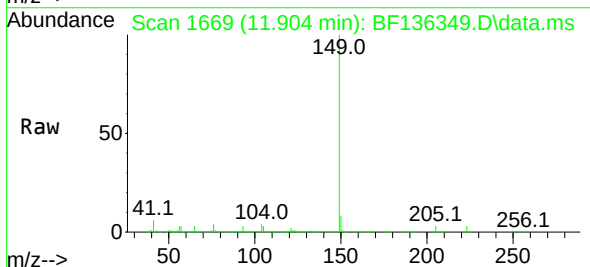
Tgt Ion:167 Resp: 665839  
 Ion Ratio Lower Upper  
 167 100  
 166 22.6 18.4 27.6  
 139 12.5 10.5 15.7

Manual Integrations  
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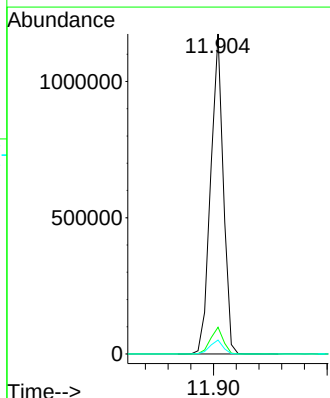
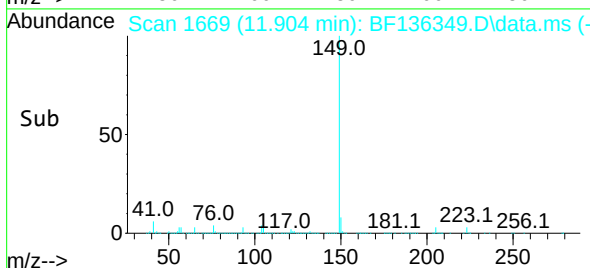
Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023



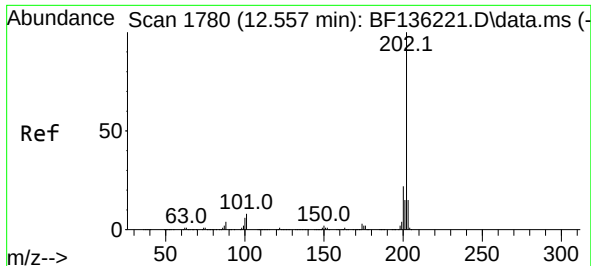
#74  
 Di-n-butylphthalate  
 Concen: 42.376 ng  
 RT: 11.904 min Scan# 1669  
 Delta R.T. -0.006 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14



Tgt Ion:149 Resp: 905164  
 Ion Ratio Lower Upper  
 149 100  
 150 8.4 6.0 9.0  
 104 4.3 3.5 5.3

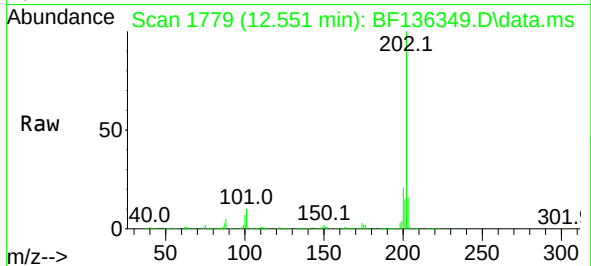






#75  
Fluoranthene  
Concen: 45.801 ng  
RT: 12.551 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

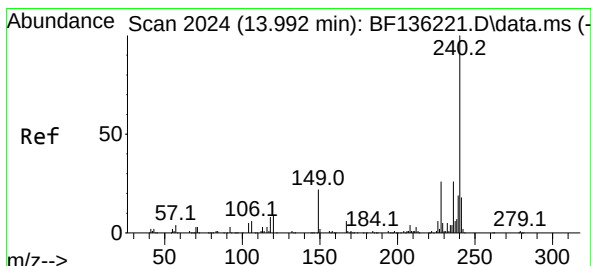
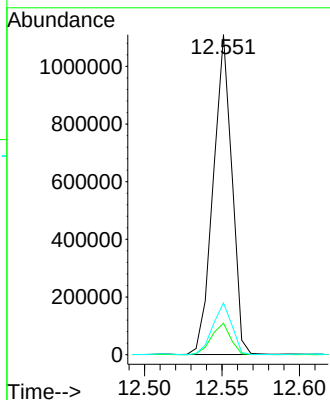
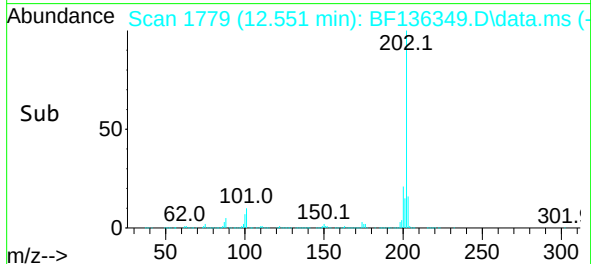
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:202 Resp: 930660  
Ion Ratio Lower Upper  
202 100  
101 9.9 0.0 27.8  
203 16.1 0.0 34.5

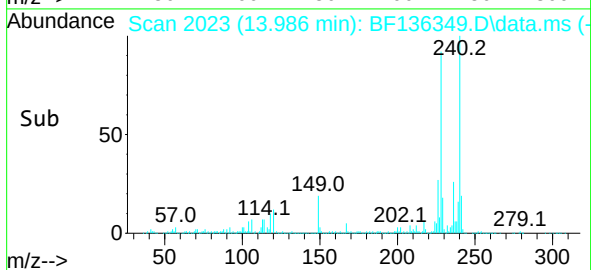
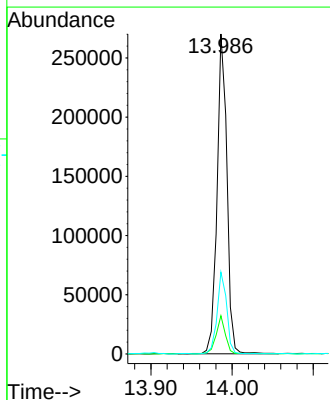
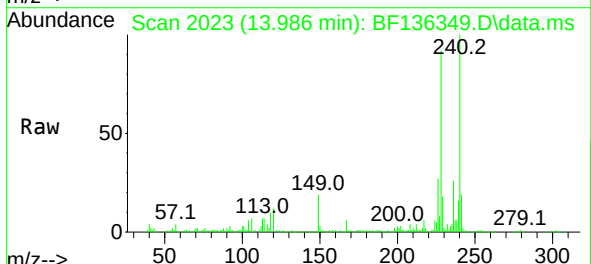
Manual Integrations  
APPROVED

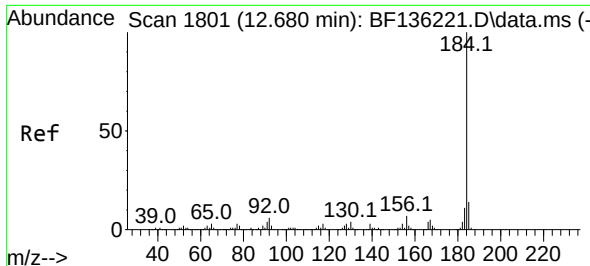
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2023  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

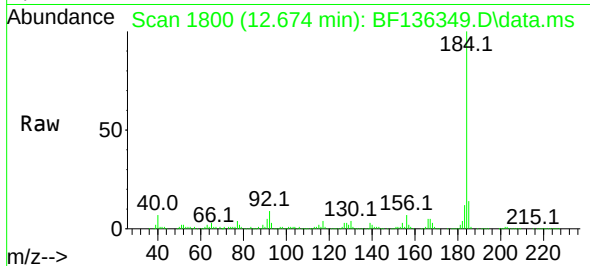
Tgt Ion:240 Resp: 228024  
Ion Ratio Lower Upper  
240 100  
120 11.9 7.4 11.2#  
236 25.5 21.1 31.7





#77  
Benzidine  
Concen: 43.149 ng  
RT: 12.674 min Scan# 1800  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

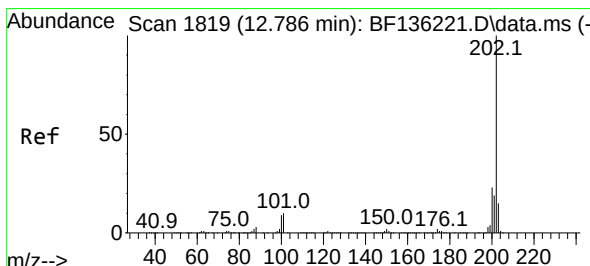
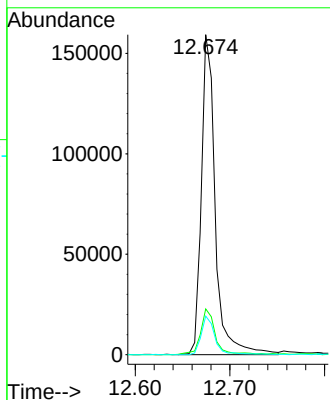
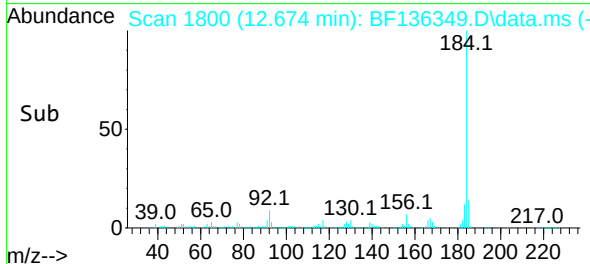
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



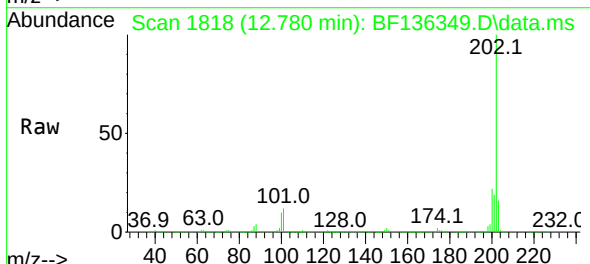
Tgt Ion:184 Resp: 161738  
Ion Ratio Lower Upper  
184 100  
185 14.3 11.0 16.6  
183 12.0 9.0 13.4

Manual Integrations  
APPROVED

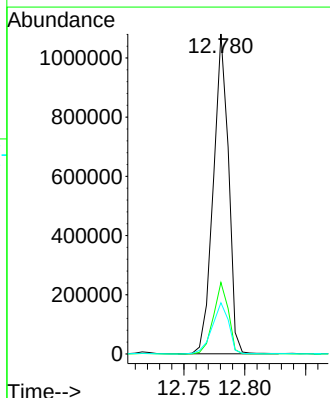
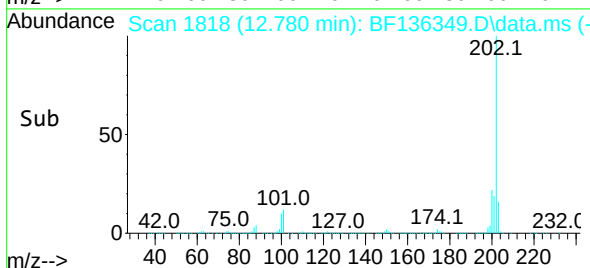
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

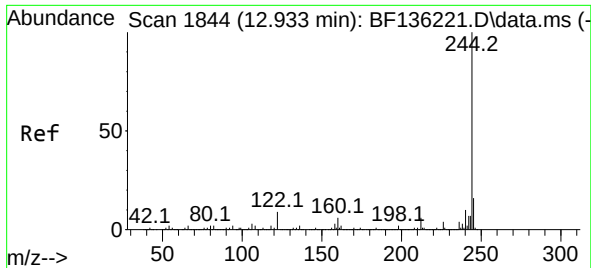


#78  
Pyrene  
Concen: 37.535 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



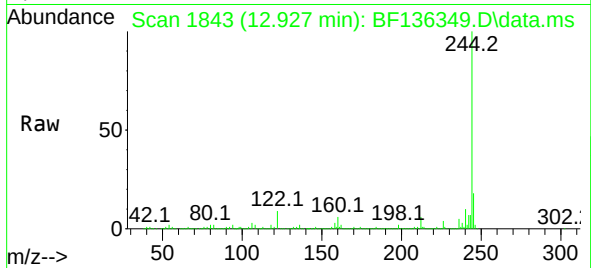
Tgt Ion:202 Resp: 937354  
Ion Ratio Lower Upper  
202 100  
200 22.3 18.4 27.6  
203 16.0 11.8 17.6





#79  
Terphenyl-d14  
Concen: 38.033 ng  
RT: 12.927 min Scan# 1844  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

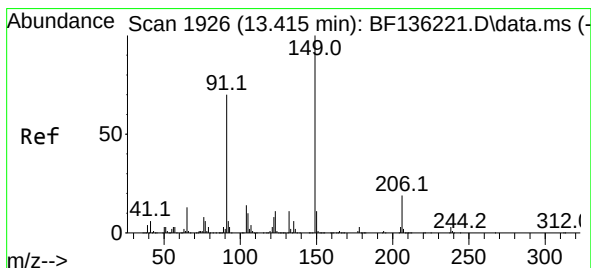
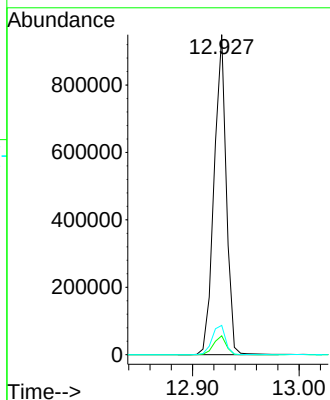
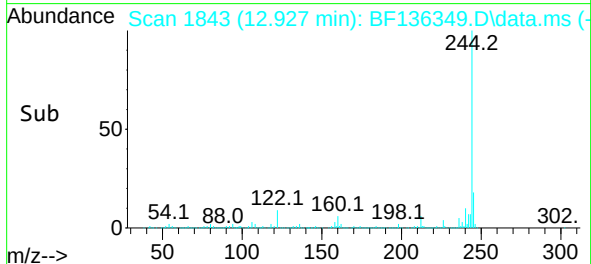
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



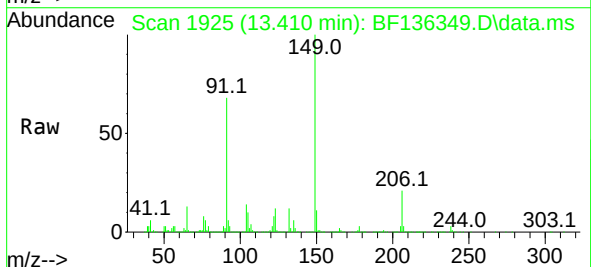
Tgt Ion:244 Resp: 751849  
Ion Ratio Lower Upper  
244 100  
212 5.9 4.6 7.0  
122 9.1 7.3 10.9

Manual Integrations  
APPROVED

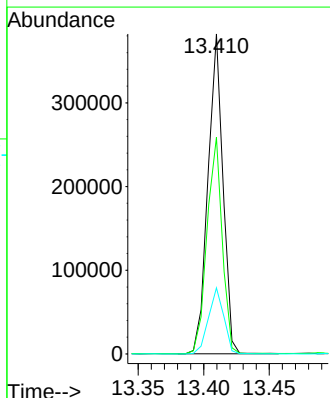
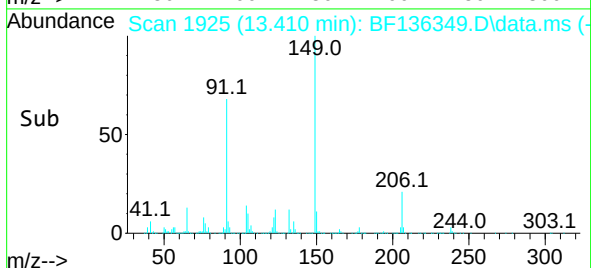
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

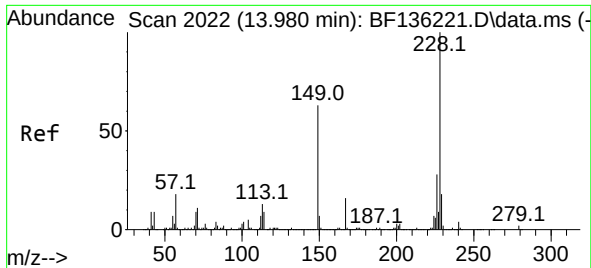


#80  
Butylbenzylphthalate  
Concen: 39.248 ng  
RT: 13.410 min Scan# 1925  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



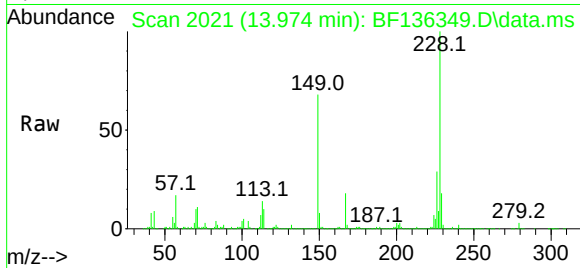
Tgt Ion:149 Resp: 305037  
Ion Ratio Lower Upper  
149 100  
91 67.7 56.4 84.6  
206 20.7 14.8 22.2





#81  
Benzo(a)anthracene  
Concen: 50.418 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

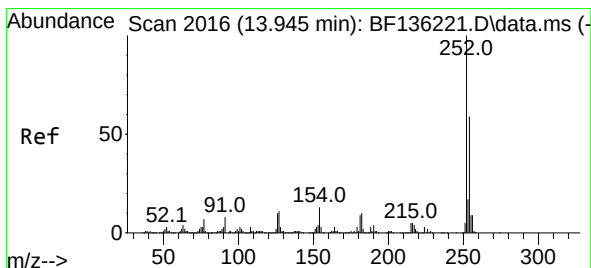
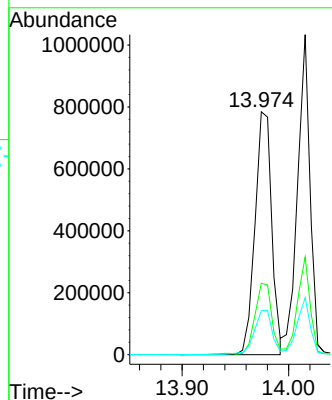
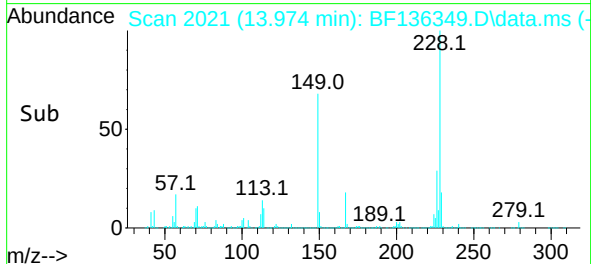
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



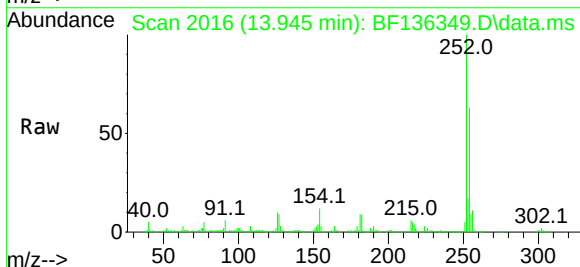
Tgt Ion:228 Resp: 85392  
Ion Ratio Lower Upper  
228 100  
226 29.4 22.6 34.0  
229 18.1 14.0 21.0

Manual Integrations  
APPROVED

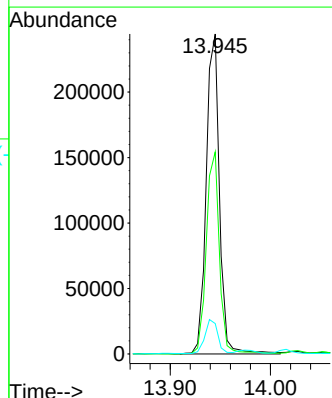
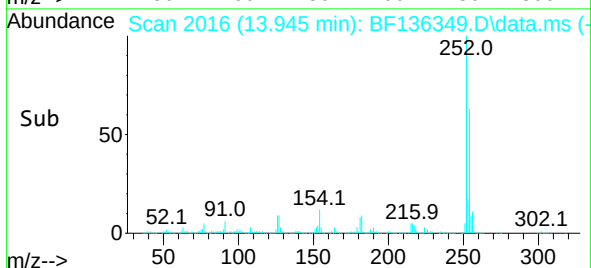
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023

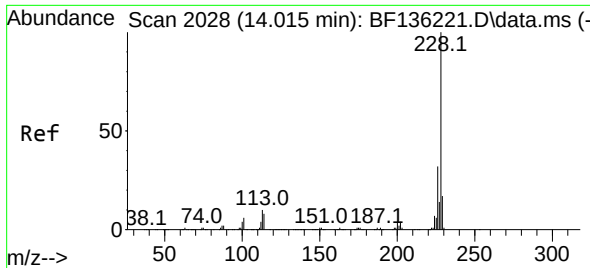


#82  
3,3'-Dichlorobenzidine  
Concen: 55.345 ng  
RT: 13.945 min Scan# 2016  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14



Tgt Ion:252 Resp: 225638  
Ion Ratio Lower Upper  
252 100  
254 63.2 47.4 71.2  
126 9.5 8.3 12.5





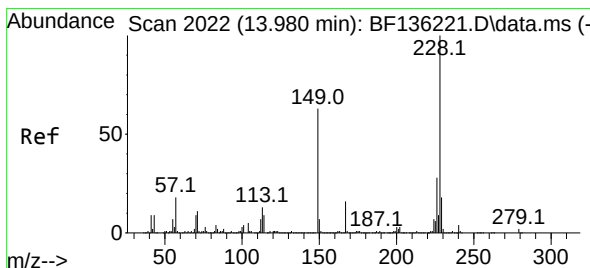
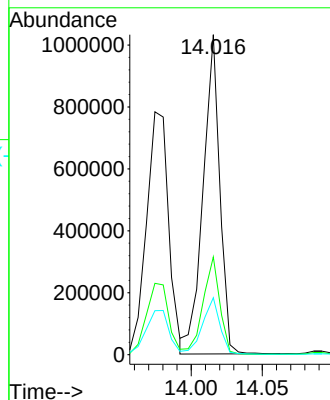
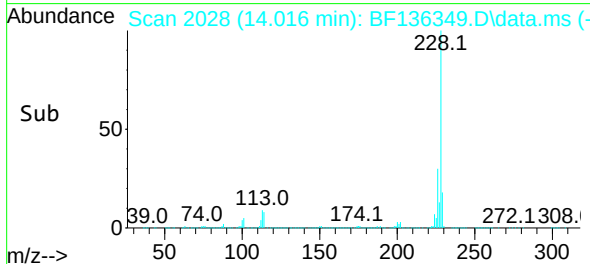
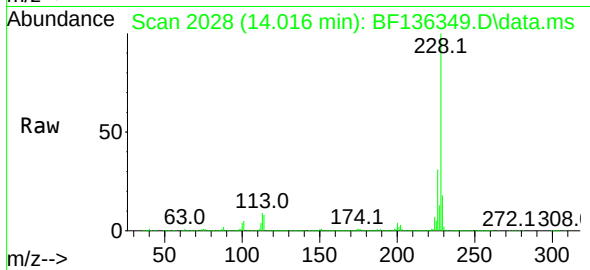
#83  
Chrysene  
Concen: 51.611 ng  
RT: 14.016 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD

Tgt Ion:228 Resp: 844007  
Ion Ratio Lower Upper  
228 100  
226 30.5 25.5 38.3  
229 17.8 13.9 20.9

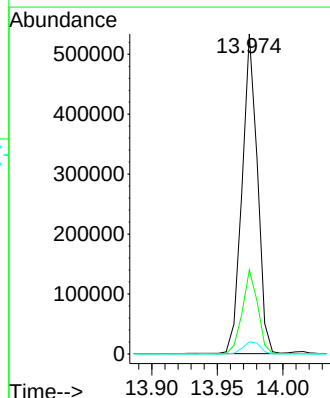
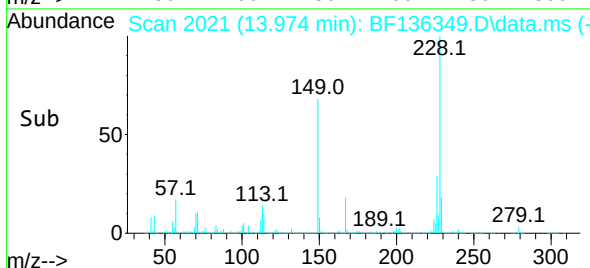
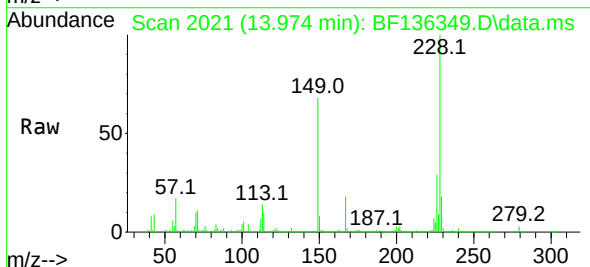
Manual Integrations  
APPROVED

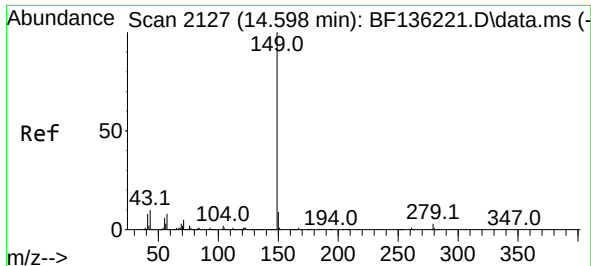
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 46.689 ng  
RT: 13.974 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

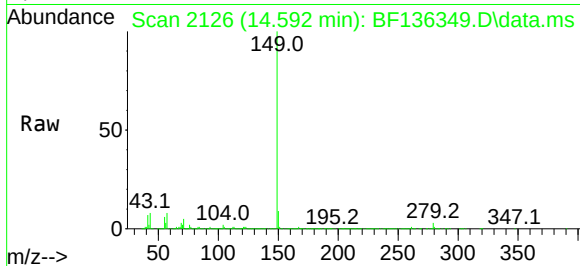
Tgt Ion:149 Resp: 435486  
Ion Ratio Lower Upper  
149 100  
167 26.3 20.2 30.2  
279 3.8 2.4 3.6#





#85  
Di-n-octyl phthalate  
Concen: 55.729 ng  
RT: 14.592 min Scan# 2127  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

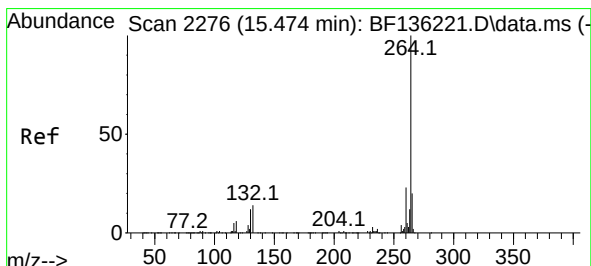
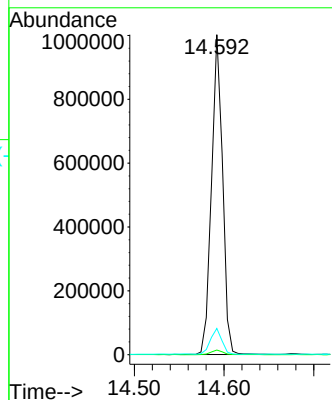
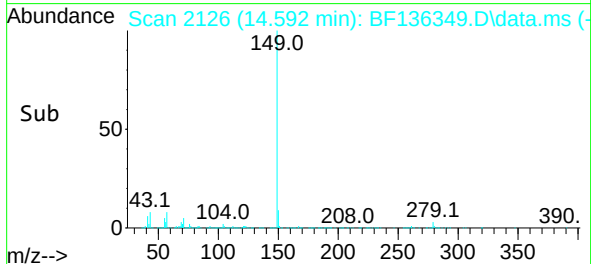
Instrument :  
BNA\_F  
ClientSampleId :  
WC-5MSD



Tgt Ion:149 Resp: 85834  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.0 1.6  
43 8.2 7.2 10.8

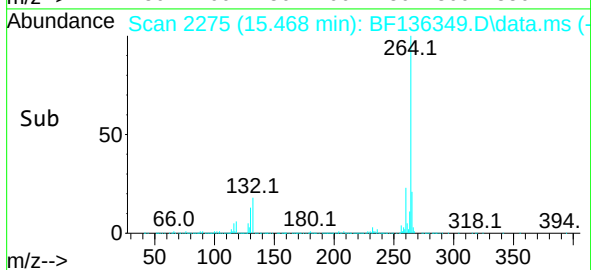
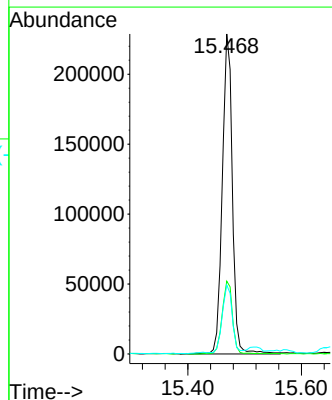
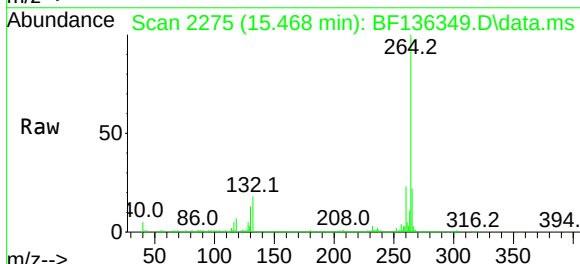
Manual Integrations  
APPROVED

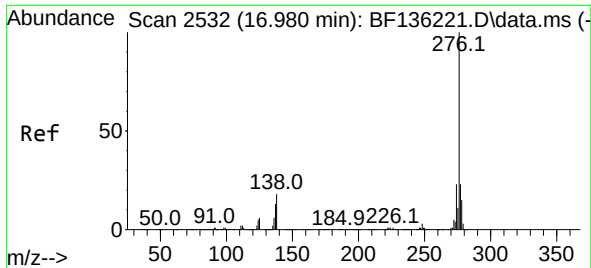
Reviewed By :Yogesh Patel 12/04/2023  
Supervised By :mohammad ahmed 12/05/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.468 min Scan# 2275  
Delta R.T. -0.006 min  
Lab File: BF136349.D  
Acq: 01 Dec 2023 21:14

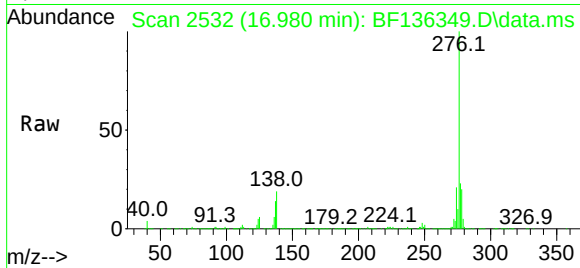
Tgt Ion:264 Resp: 283324  
Ion Ratio Lower Upper  
264 100  
260 22.7 18.6 27.8  
265 21.6 15.7 23.5





#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 37.946 ng  
 RT: 16.980 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14

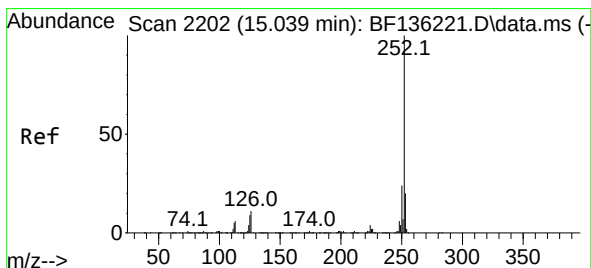
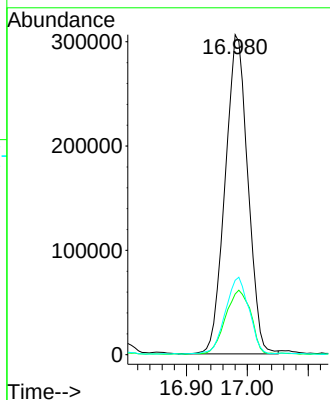
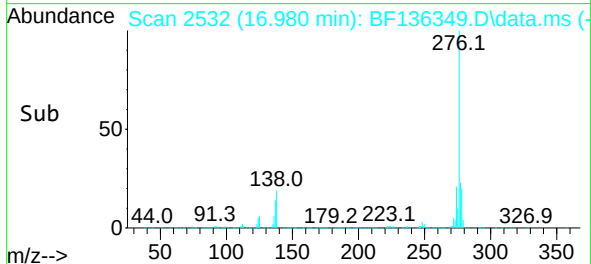
Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-5MSD



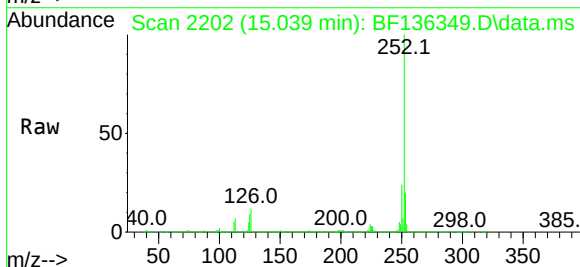
Tgt Ion:276 Resp: 791032  
 Ion Ratio Lower Upper  
 276 100  
 138 22.6 17.7 26.5  
 277 25.0 19.6 29.4

Manual Integrations  
 APPROVED

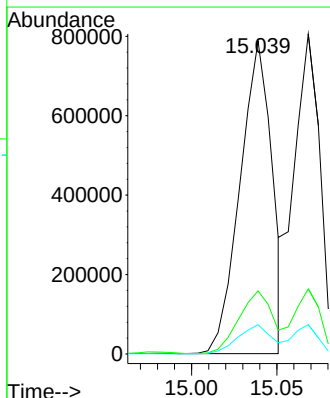
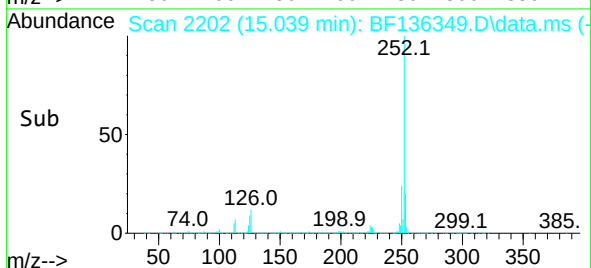
Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :mohammad ahmed 12/05/2023

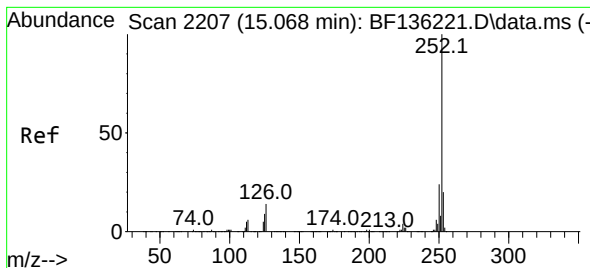


#88  
 Benzo(b)fluoranthene  
 Concen: 51.730 ng  
 RT: 15.039 min Scan# 2202  
 Delta R.T. 0.000 min  
 Lab File: BF136349.D  
 Acq: 01 Dec 2023 21:14



Tgt Ion:252 Resp: 1028272  
 Ion Ratio Lower Upper  
 252 100  
 253 20.1 16.2 24.2  
 125 9.4 6.9 10.3





#89

Benzo(k)fluoranthene

Concen: 45.062 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

Tgt Ion:252 Resp: 850720

Ion Ratio Lower Upper

252 100

253 20.4 15.6 23.4

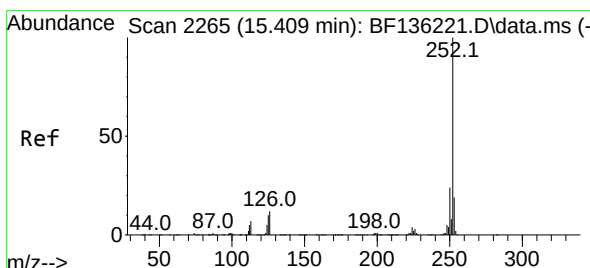
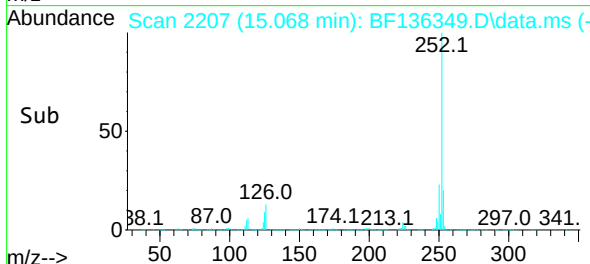
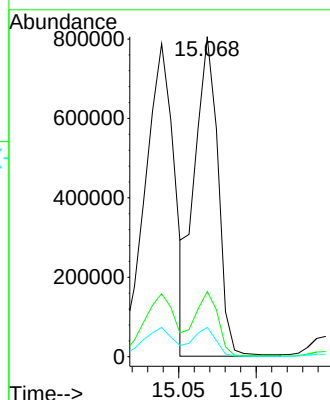
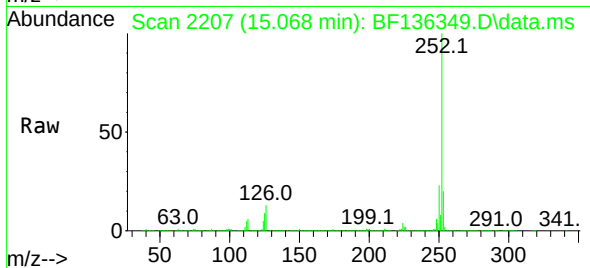
125 9.1 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#90

Benzo(a)pyrene

Concen: 52.655 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.001 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

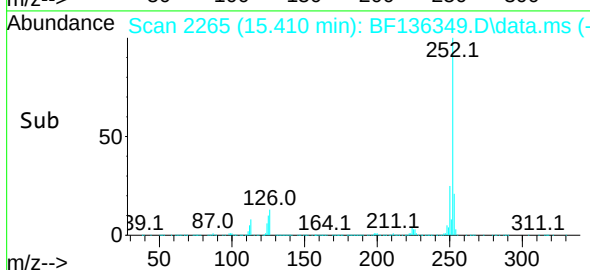
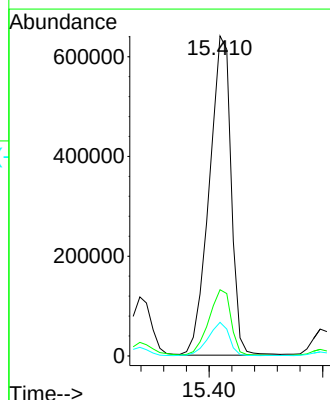
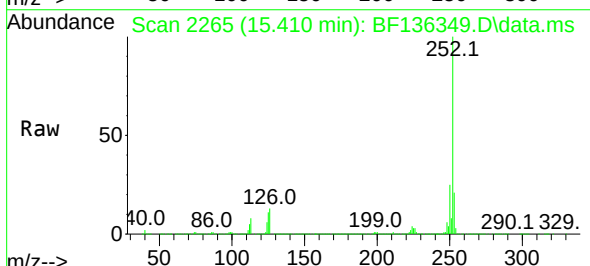
Tgt Ion:252 Resp: 855620

Ion Ratio Lower Upper

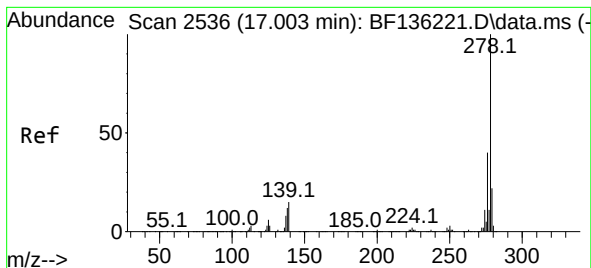
252 100

253 20.7 15.5 23.3

125 10.5 7.9 11.9







#91

Dibenzo(a,h)anthracene

Concen: 34.531 ng

RT: 17.004 min Scan# 2536

Delta R.T. 0.001 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Instrument :

BNA\_F

ClientSampleId :

WC-5MSD

Tgt Ion:278 Resp: 573218

Ion Ratio Lower Upper

278 100

139 15.8 11.7 17.5

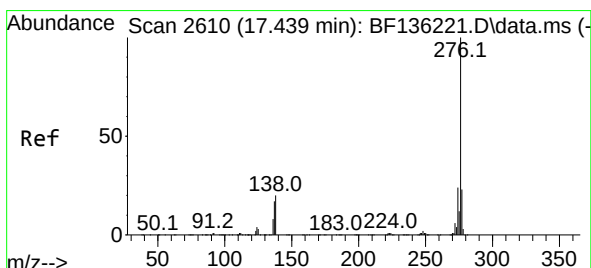
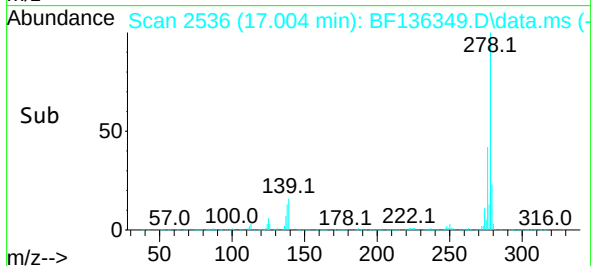
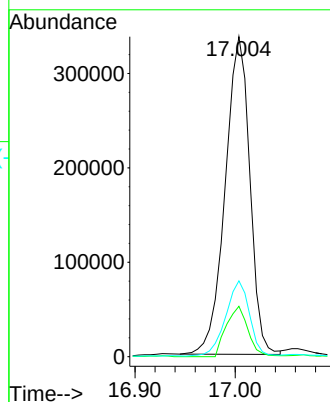
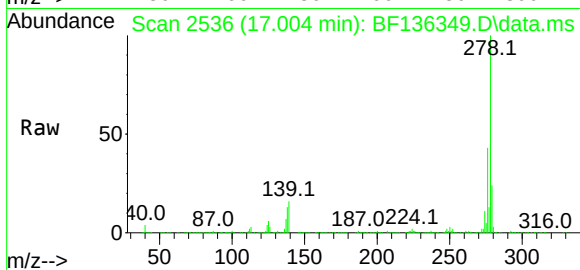
279 23.7 17.8 26.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/04/2023

Supervised By :mohammad ahmed 12/05/2023



#92

Benzo(g,h,i)perylene

Concen: 34.359 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.000 min

Lab File: BF136349.D

Acq: 01 Dec 2023 21:14

Tgt Ion:276 Resp: 576438

Ion Ratio Lower Upper

276 100

277 23.9 18.6 27.8

138 20.6 15.8 23.8

