

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM102324\  
 Data File : BM048208.D  
 Acq On : 23 Oct 2024 17:46  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM102324

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/24/2024

Quant Time: Oct 23 18:24:54 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM102324.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 23 18:21:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.722  | 152  | 173529   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.516 | 136  | 708890   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.369 | 164  | 458798   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.110 | 188  | 952437   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.339 | 240  | 906115   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.291 | 264  | 1077278  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.310  | 112  | 850649   | 82.401 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.904  | 99   | 1115259  | 82.954 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.881  | 82   | 1031472  | 82.156 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.857 | 330  | 483153   | 86.036 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.986 | 172  | 2407244  | 80.513 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.733 | 244  | 3613828  | 81.390 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.205  | 88   | 168798   | 39.945 | ng    | 100      |
| 3) Pyridine                   | 3.610  | 79   | 459942m  | 40.973 | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.516  | 42   | 192255   | 40.338 | ng    | 97       |
| 6) Aniline                    | 7.051  | 93   | 485488   | 43.503 | ng    | 99       |
| 8) 2-Chlorophenol             | 7.293  | 128  | 461505   | 41.149 | ng    | 98       |
| 9) Benzaldehyde               | 6.863  | 77   | 274640   | 41.579 | ng    | 99       |
| 10) Phenol                    | 6.934  | 94   | 560798   | 41.460 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.151  | 93   | 440680   | 40.903 | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.610  | 146  | 521705   | 40.347 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 7.757  | 146  | 534029   | 40.653 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.075  | 146  | 510924   | 40.244 | ng    | 99       |
| 15) Benzyl Alcohol            | 7.969  | 79   | 362132   | 42.221 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.251  | 45   | 627270   | 39.805 | ng    | 99       |
| 17) 2-Methylphenol            | 8.175  | 107  | 378707   | 42.135 | ng    | 99       |
| 18) Hexachloroethane          | 8.798  | 117  | 190793   | 39.627 | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.534  | 70   | 350878   | 41.253 | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.504  | 107  | 528781   | 42.469 | ng    | 98       |
| 22) Acetophenone              | 8.545  | 105  | 710810   | 41.085 | ng    | 99       |
| 24) Nitrobenzene              | 8.922  | 77   | 535976   | 41.202 | ng    | 98       |
| 25) Isophorone                | 9.451  | 82   | 963253   | 41.856 | ng    | 100      |
| 26) 2-Nitrophenol             | 9.634  | 139  | 258053   | 42.964 | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.698  | 122  | 308410   | 42.323 | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.928  | 93   | 602909   | 41.401 | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.169 | 162  | 444507   | 42.403 | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.381 | 180  | 485303   | 40.422 | ng    | 99       |
| 31) Naphthalene               | 10.563 | 128  | 1508139  | 40.790 | ng    | 100      |
| 32) Benzoic acid              | 9.857  | 122  | 365395   | 45.048 | ng    | 98       |
| 33) 4-Chloroaniline           | 10.681 | 127  | 534041   | 44.536 | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.851 | 225  | 299128   | 40.200 | ng    | 96       |
| 35) Caprolactam               | 11.475 | 113  | 152079   | 44.661 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 11.816 | 107  | 470052   | 42.954 | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.180 | 142  | 1012794  | 40.999 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.398 | 142  | 1009031  | 41.192 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.551 | 216  | 523772   | 39.942 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 12.533 | 237  | 175516   | 39.553 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 12.798 | 196  | 361314   | 41.519 | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.874 | 196  | 410941   | 42.345 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 13.198 | 154  | 1328255  | 40.549 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.239 | 162  | 1038796  | 40.220 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.451 | 65   | 307178   | 43.851 | ng    | 98       |
| 49) Acenaphthylene            | 14.086 | 152  | 1564971  | 41.532 | ng    | 100      |
| 50) Dimethylphthalate         | 13.833 | 163  | 1295422  | 41.360 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.945 | 165  | 302362   | 43.266 | ng    | 96       |
| 52) Acenaphthene              | 14.433 | 154  | 975614   | 40.748 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.280 | 138  | 308794   | 46.854 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.486 | 184  | 177434   | 43.448 | ng    | 97       |
| 55) Dibenzofuran              | 14.769 | 168  | 1556063  | 40.907 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.604 | 139  | 265825   | 45.193 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 14.739 | 165  | 410966   | 44.531 | ng    | 98       |
| 58) Fluorene                  | 15.416 | 166  | 1240427  | 41.239 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.998 | 232  | 343234   | 42.671 | ng    | 100      |
| 60) Diethylphthalate          | 15.192 | 149  | 1337705  | 42.183 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.410 | 204  | 618432   | 41.120 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.445 | 138  | 324799   | 47.619 | ng    | 97       |
| 63) Azobenzene                | 15.704 | 77   | 1194670  | 42.033 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.504 | 198  | 241329   | 43.670 | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 15.627 | 169  | 1049716  | 40.148 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.304 | 248  | 387984   | 40.179 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.421 | 284  | 465986   | 40.178 | ng    | 99       |
| 69) Atrazine                  | 16.580 | 200  | 359262   | 49.108 | ng    | 99       |
| 70) Pentachlorophenol         | 16.768 | 266  | 330813   | 43.445 | ng    | 98       |
| 71) Phenanthrene              | 17.151 | 178  | 1915501  | 40.615 | ng    | 100      |
| 72) Anthracene                | 17.245 | 178  | 1884398  | 41.275 | ng    | 100      |
| 73) Carbazole                 | 17.515 | 167  | 1888855  | 42.204 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.080 | 149  | 2362092  | 42.401 | ng    | 100      |
| 75) Fluoranthene              | 19.168 | 202  | 2317203  | 41.189 | ng    | 100      |
| 77) Benzidine                 | 19.356 | 184  | 424746   | 40.617 | ng    | 98       |
| 78) Pyrene                    | 19.533 | 202  | 2465408  | 40.650 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.427 | 149  | 1089760  | 42.969 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.321 | 228  | 2364135  | 40.829 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.245 | 252  | 833151   | 42.007 | ng    | 100      |
| 83) Chrysene                  | 21.380 | 228  | 2262449  | 40.707 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.245 | 149  | 1591892  | 43.186 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.356 | 149  | 2782686  | 43.588 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.632 | 276  | 2938543  | 41.250 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 23.362 | 252  | 2533061  | 41.010 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 23.421 | 252  | 2413239  | 40.410 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.156 | 252  | 2219583  | 41.334 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 27.679 | 278  | 2446970  | 41.249 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 28.668 | 276  | 2488676  | 40.968 | ng    | 99       |

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

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Sample : SSTDICV040  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

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## ClientSampleId :

ICVBM102324

## Manual Integrations

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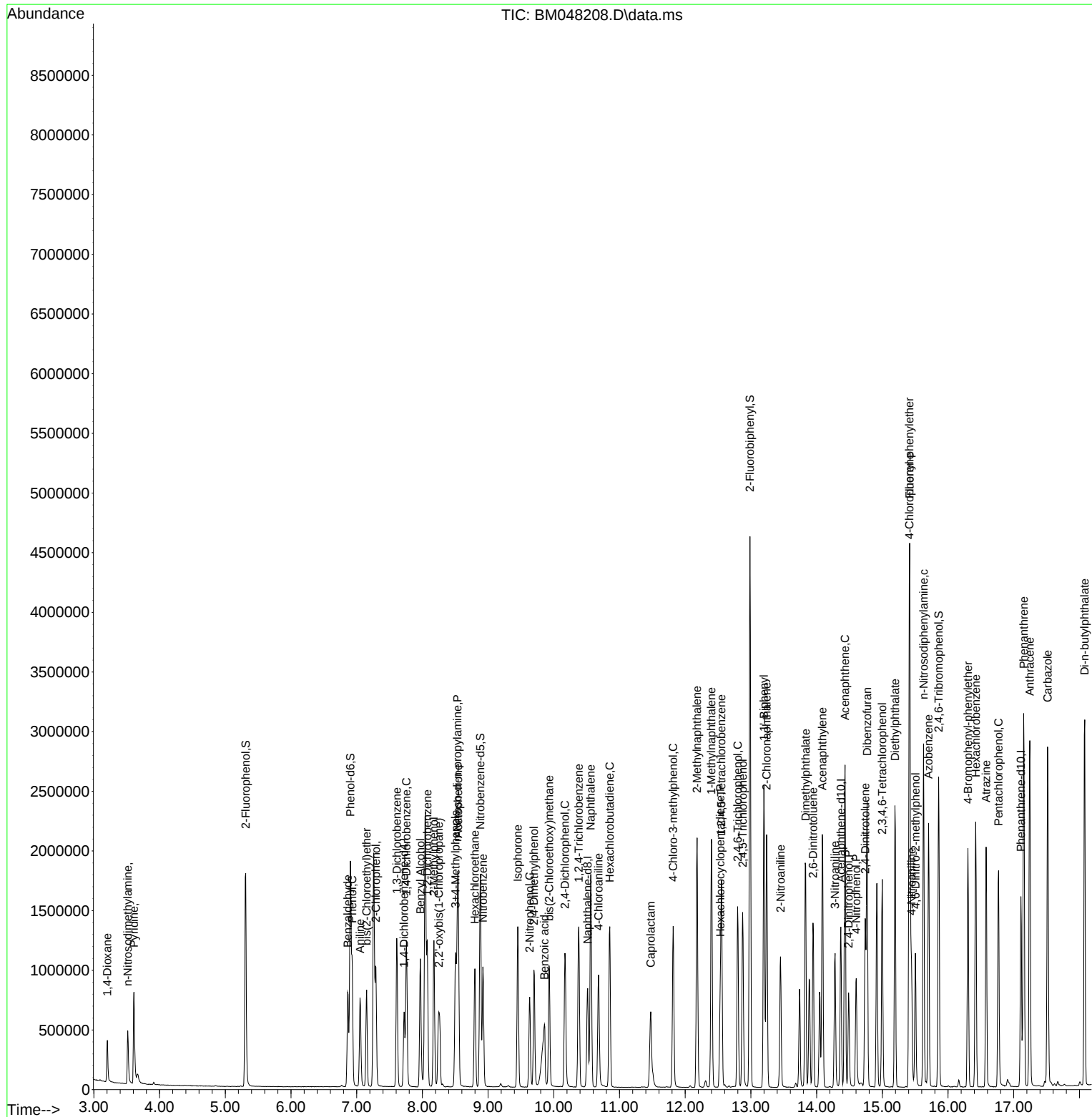
Quant Time: Oct 23 18:24:54 2024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Oct 23 18:21:59 2024

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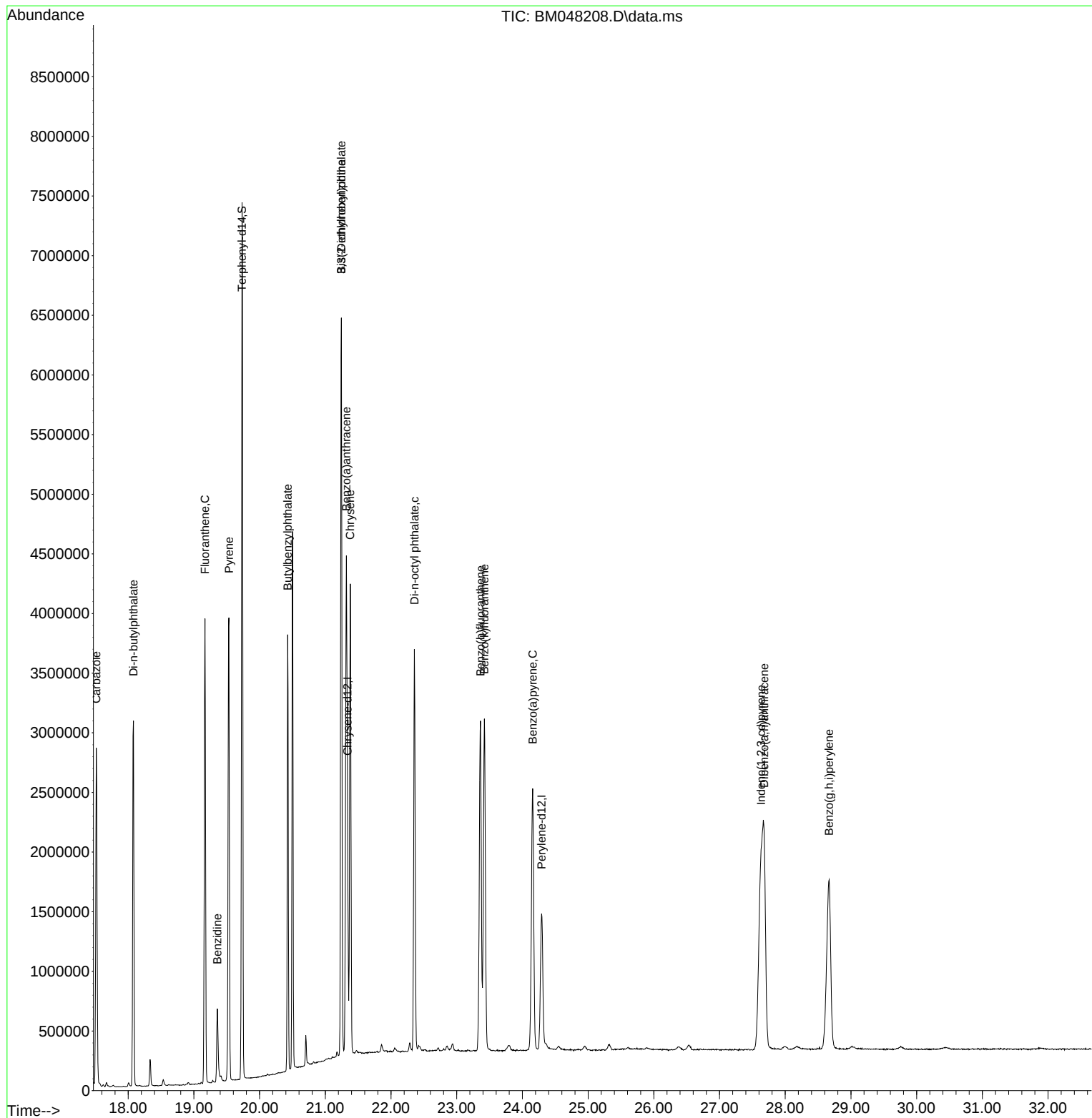
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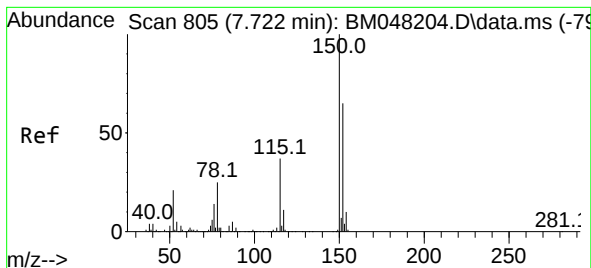
Instrument :  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.722 min Scan# 80

Delta R.T. -0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

Tgt Ion:152 Resp: 173529

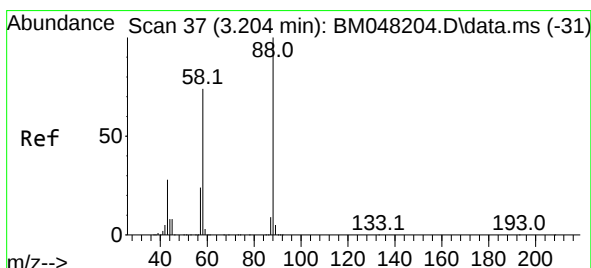
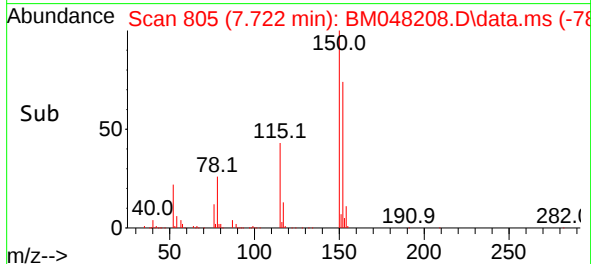
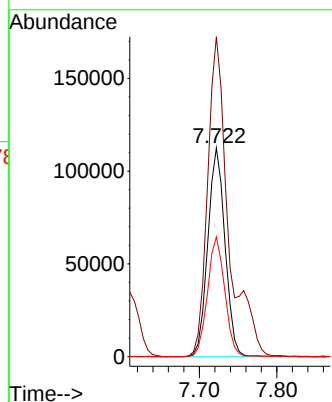
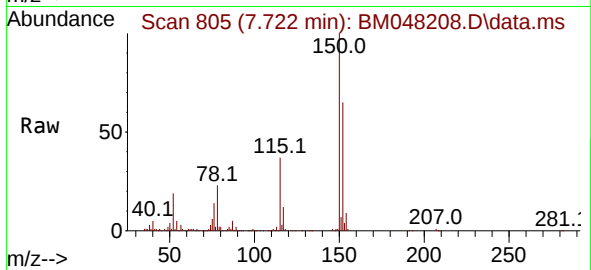
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 153.2 | 123.0 | 184.6 |
| 115 | 57.4  | 45.8  | 68.6  |

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#2

1,4-Dioxane

Concen: 39.945 ng

RT: 3.205 min Scan# 37

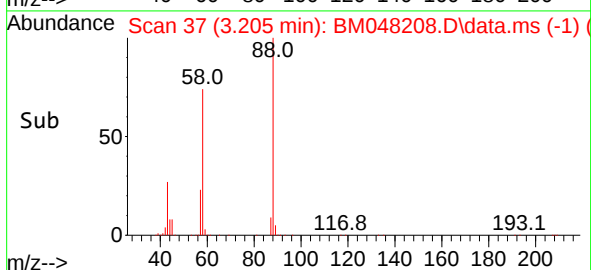
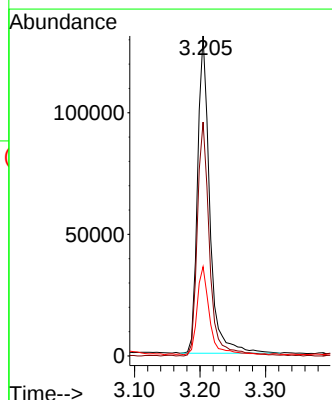
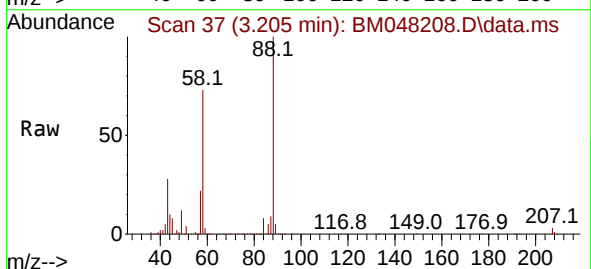
Delta R.T. 0.000 min

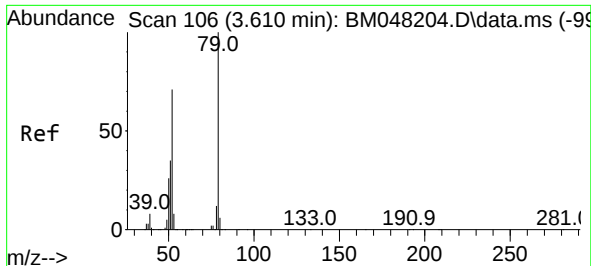
Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Tgt Ion: 88 Resp: 168798

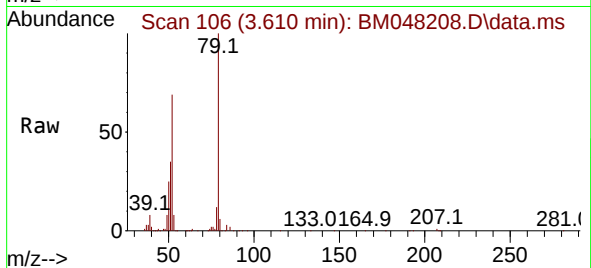
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 58  | 75.1  | 59.7  | 89.5  |
| 43  | 28.2  | 22.6  | 33.8  |





#3  
Pyridine  
Concen: 40.973 ng m  
RT: 3.610 min Scan# 106  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

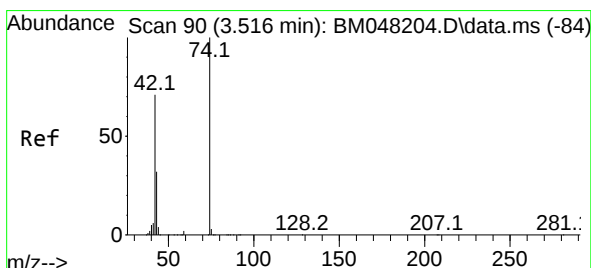
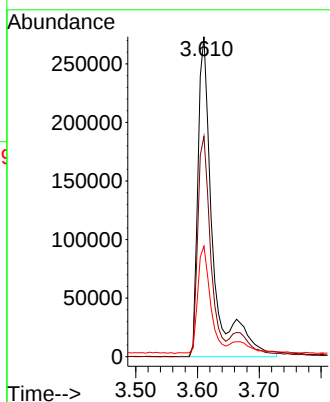
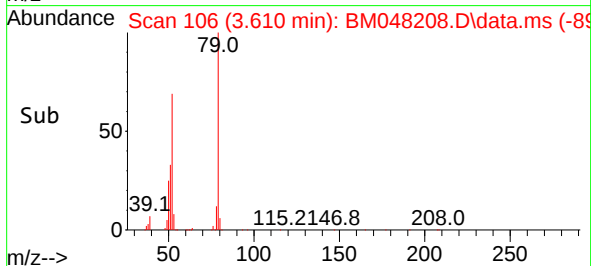
Instrument :  
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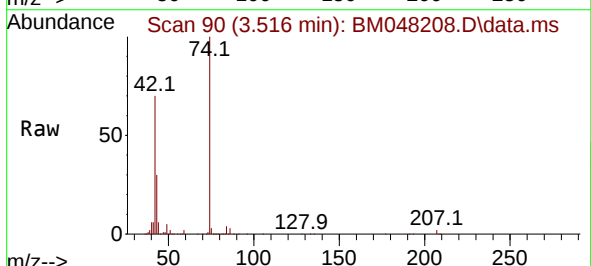
Tgt Ion: 79 Resp: 45994  
Ion Ratio Lower Upper  
79 100  
52 68.8 56.5 84.7  
51 34.6 28.5 42.7

Manual Integrations  
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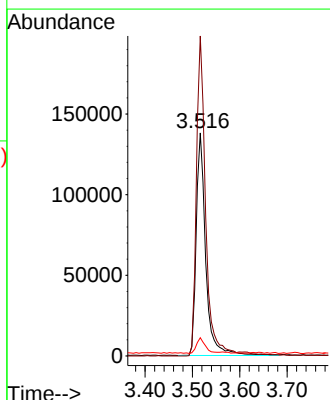
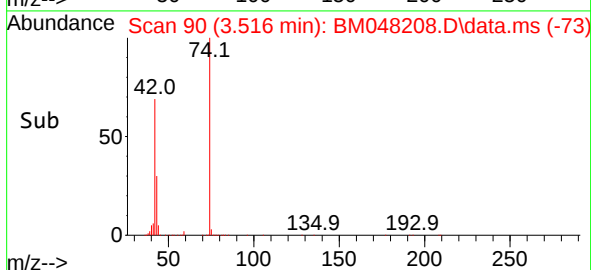
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

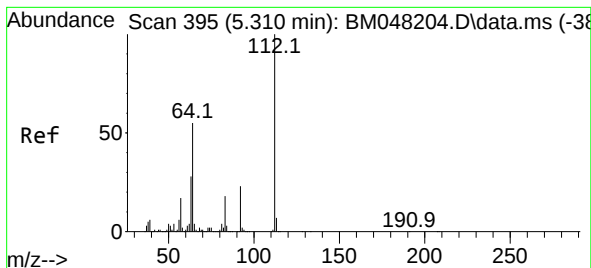


#4  
n-Nitrosodimethylamine  
Concen: 40.338 ng  
RT: 3.516 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
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Tgt Ion: 42 Resp: 192255  
Ion Ratio Lower Upper  
42 100  
74 143.5 111.8 167.6  
44 8.2 6.0 9.0





#5

2-Fluorophenol

Concen: 82.401 ng

RT: 5.310 min Scan# 395

Delta R.T. 0.000 min

Lab File: BM048208.D

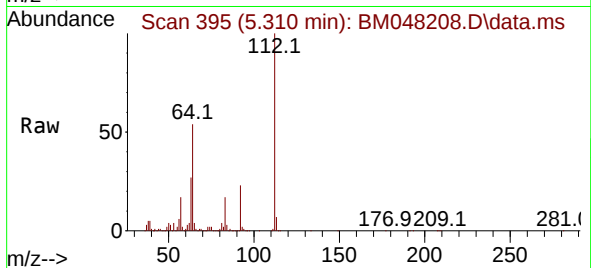
Acq: 23 Oct 2024 17:46

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ClientSampleId :

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Tgt Ion: 112 Resp: 850649

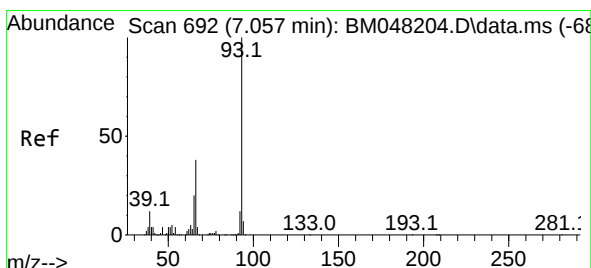
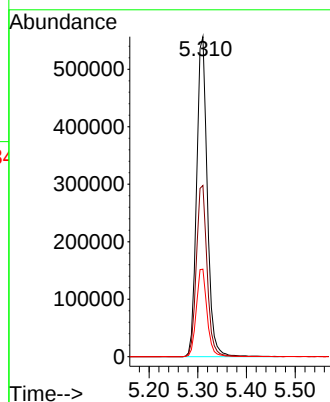
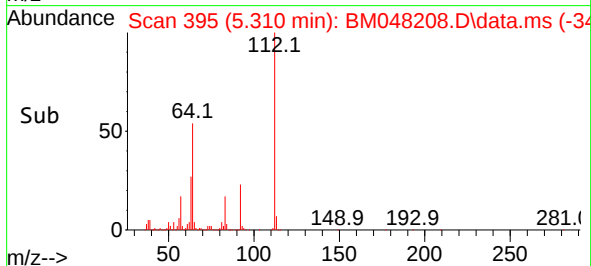
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 53.5  | 44.2  | 66.2  |
| 63  | 27.3  | 22.7  | 34.1  |

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#6

Aniline

Concen: 43.503 ng

RT: 7.051 min Scan# 691

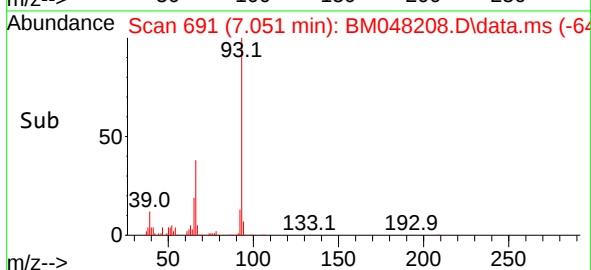
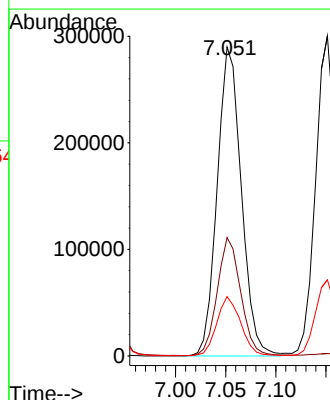
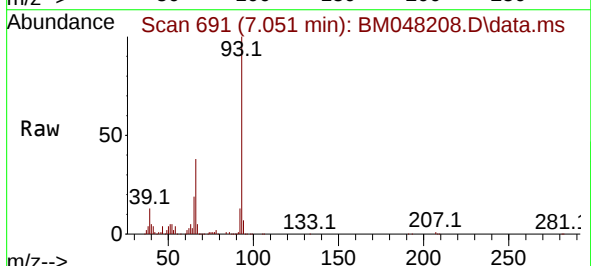
Delta R.T. -0.006 min

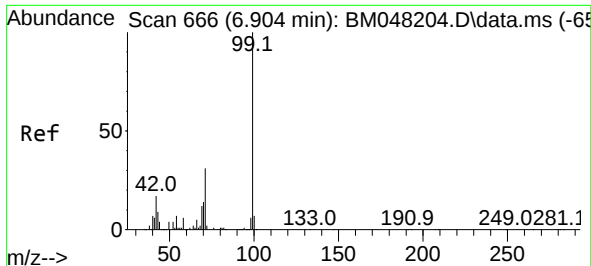
Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Tgt Ion: 93 Resp: 485488

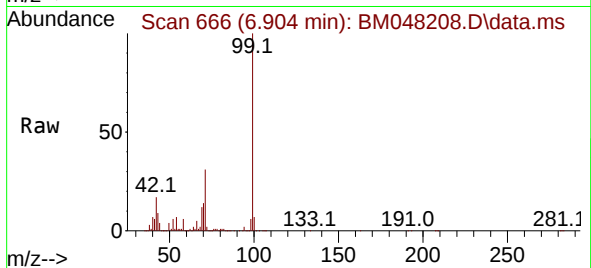
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 66  | 38.3  | 30.2  | 45.2  |
| 65  | 19.2  | 16.2  | 24.2  |





#7  
Phenol-d6  
Concen: 82.954 ng  
RT: 6.904 min Scan# 666  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

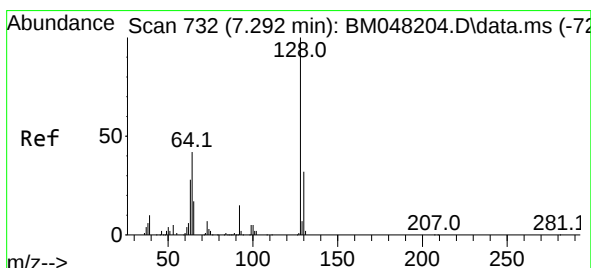
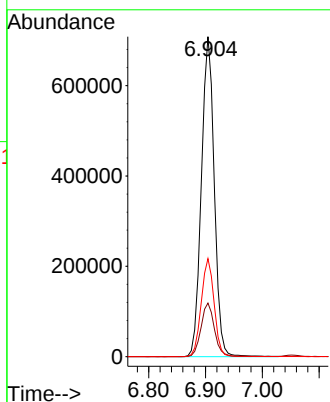
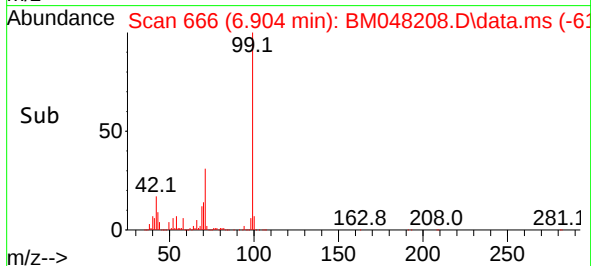
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



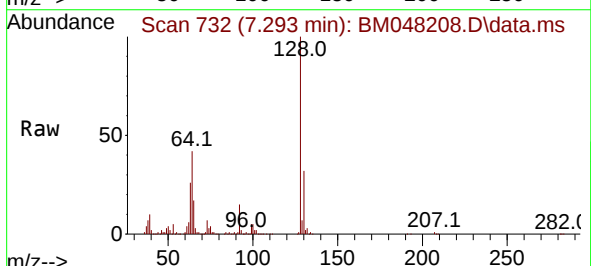
Tgt Ion: 99 Resp: 111525  
Ion Ratio Lower Upper  
99 100  
42 16.7 13.8 20.8  
71 30.6 24.9 37.3

Manual Integrations  
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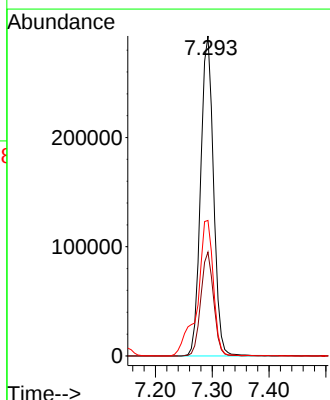
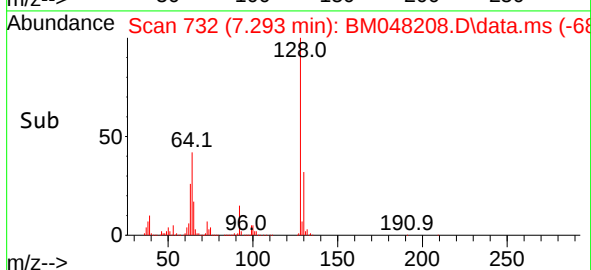
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

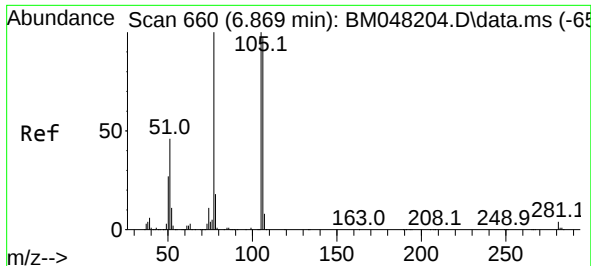


#8  
2-Chlorophenol  
Concen: 41.149 ng  
RT: 7.293 min Scan# 732  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



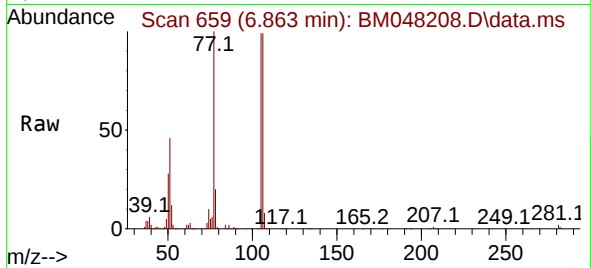
Tgt Ion:128 Resp: 461505  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.1 52.1  
64 42.4 23.8 63.8





#9  
Benzaldehyde  
Concen: 41.579 ng  
RT: 6.863 min Scan# 610  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

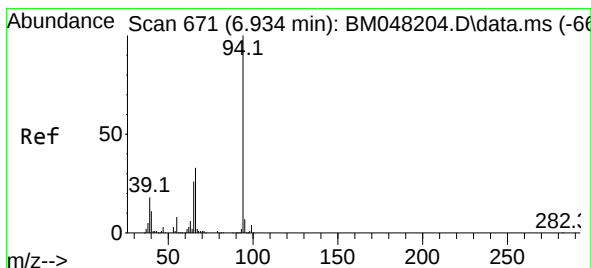
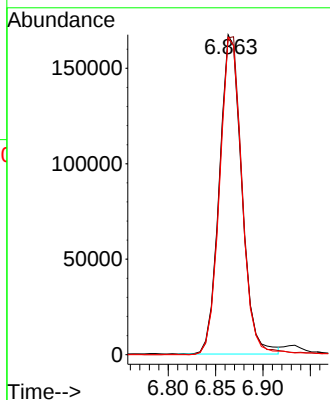
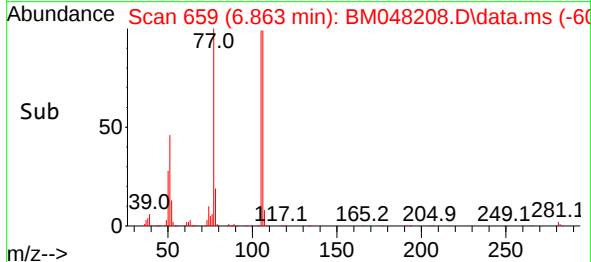
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion: 77 Resp: 274640  
Ion Ratio Lower Upper  
77 100  
105 99.0 79.6 119.6  
106 99.2 77.0 117.0

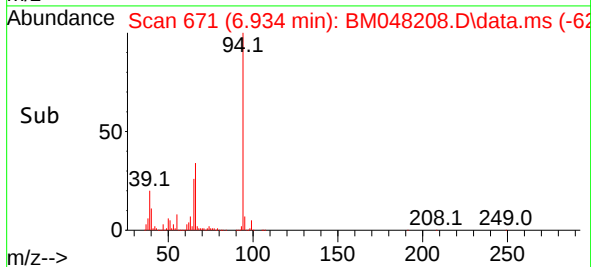
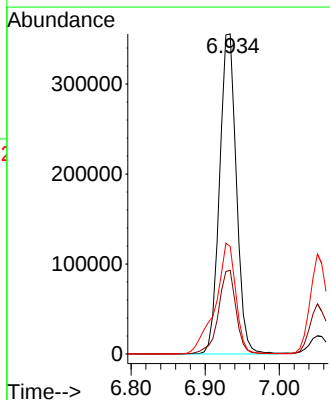
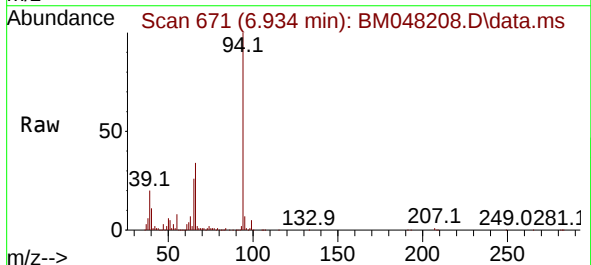
Manual Integrations  
APPROVED

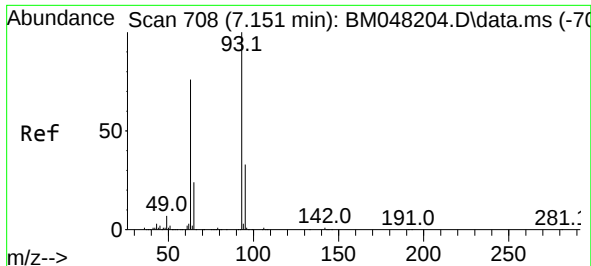
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#10  
Phenol  
Concen: 41.460 ng  
RT: 6.934 min Scan# 671  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

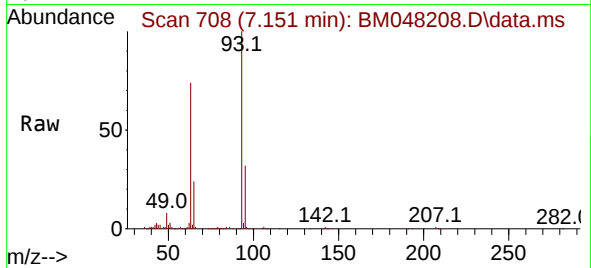
Tgt Ion: 94 Resp: 560798  
Ion Ratio Lower Upper  
94 100  
65 26.2 6.5 46.5  
66 33.6 13.6 53.6





#11  
bis(2-Chloroethyl)ether  
Concen: 40.903 ng  
RT: 7.151 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

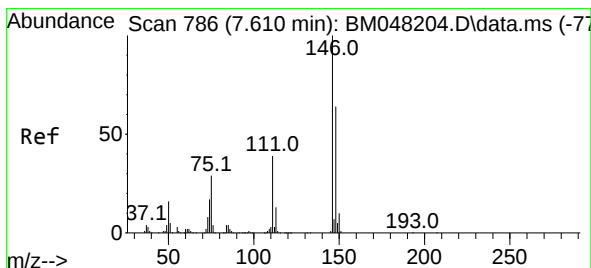
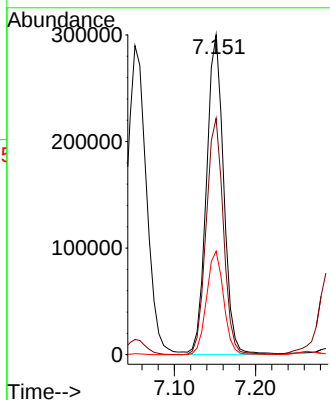
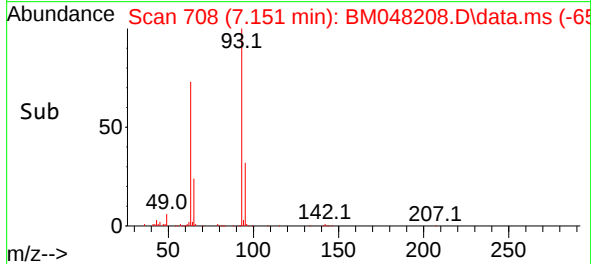
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion: 93 Resp: 440680  
Ion Ratio Lower Upper  
93 100  
63 73.8 55.3 95.3  
95 32.4 12.4 52.4

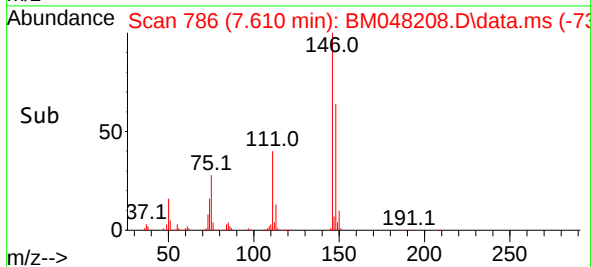
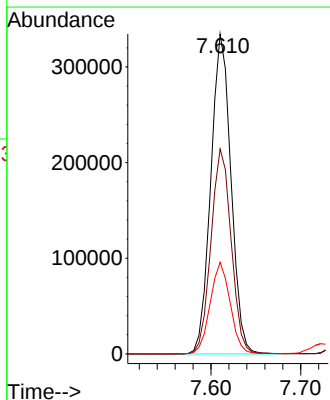
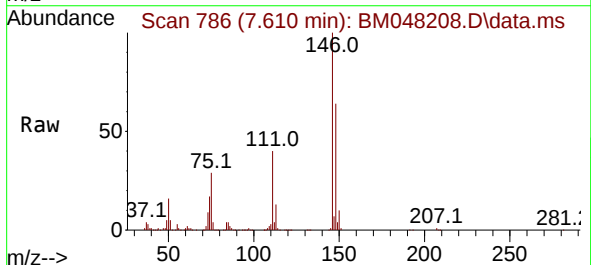
Manual Integrations  
APPROVED

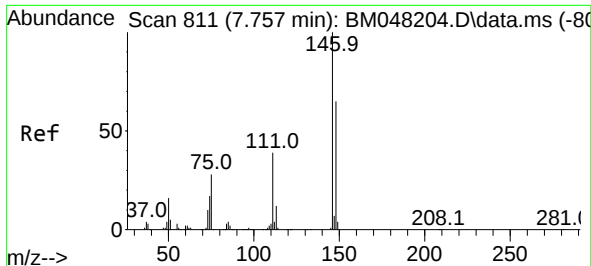
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#12  
1,3-Dichlorobenzene  
Concen: 40.347 ng  
RT: 7.610 min Scan# 786  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:146 Resp: 521705  
Ion Ratio Lower Upper  
146 100  
148 64.0 51.0 76.6  
75 28.7 22.9 34.3





#13

1,4-Dichlorobenzene

Concen: 40.653 ng

RT: 7.757 min Scan# 811

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

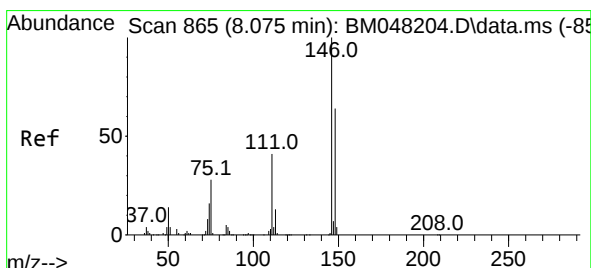
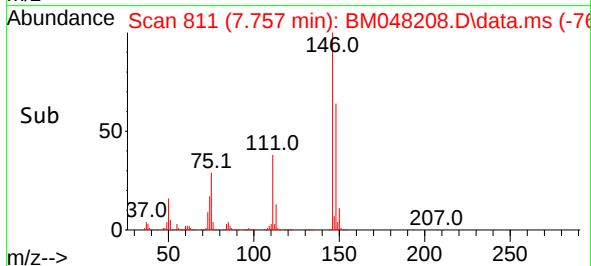
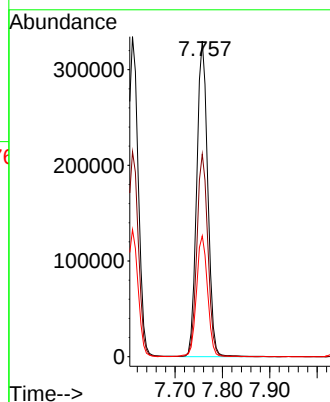
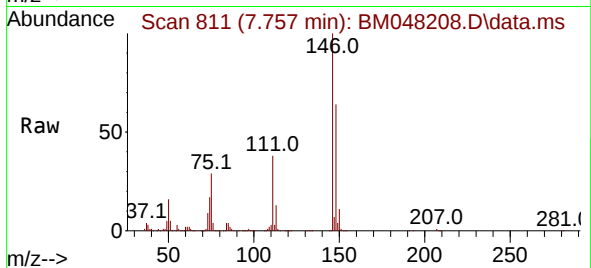
Tgt Ion:146 Resp: 534029  
 Ion Ratio Lower Upper  
 146 100  
 148 64.2 51.7 77.5  
 111 38.3 31.4 47.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#14

1,2-Dichlorobenzene

Concen: 40.244 ng

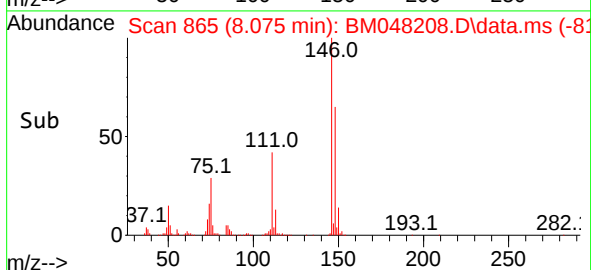
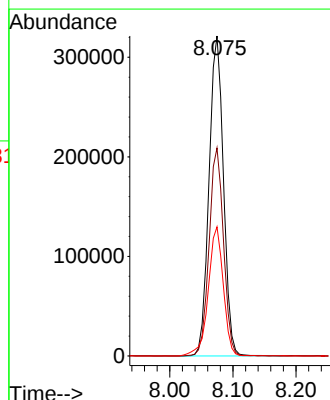
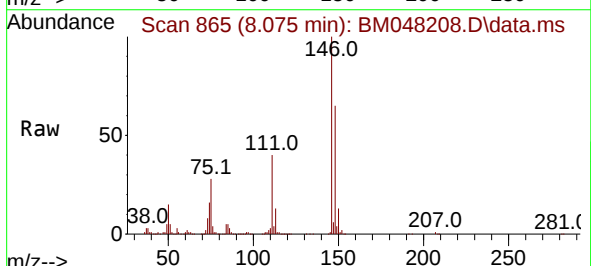
RT: 8.075 min Scan# 865

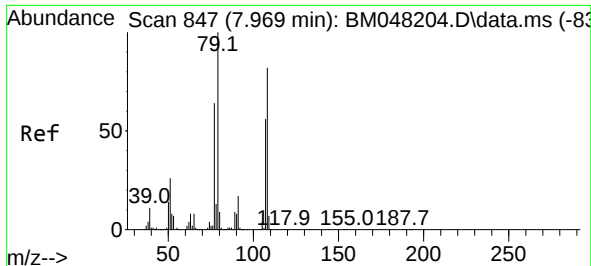
Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Tgt Ion:146 Resp: 510924  
 Ion Ratio Lower Upper  
 146 100  
 148 65.0 51.3 76.9  
 111 40.4 32.7 49.1





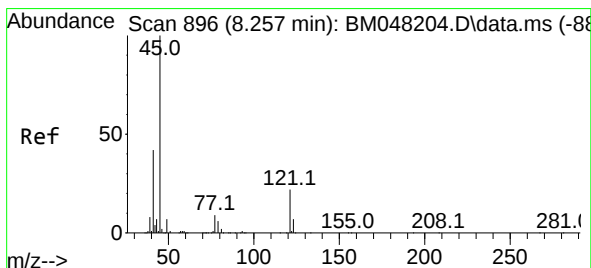
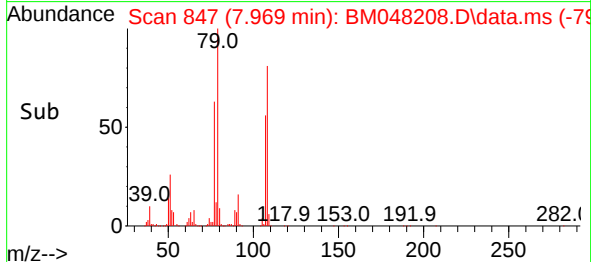
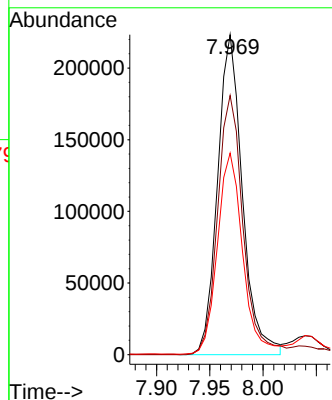
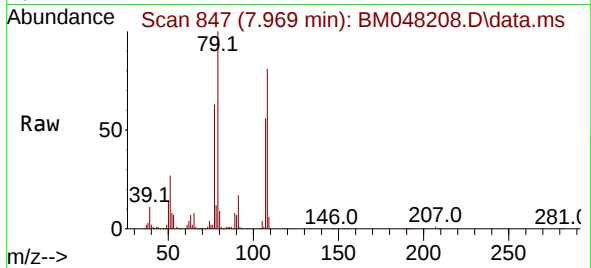
#15  
Benzyl Alcohol  
Concen: 42.221 ng  
RT: 7.969 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324

Tgt Ion: 79 Resp: 362132  
Ion Ratio Lower Upper  
79 100  
108 81.0 65.2 97.8  
77 63.0 51.4 77.2

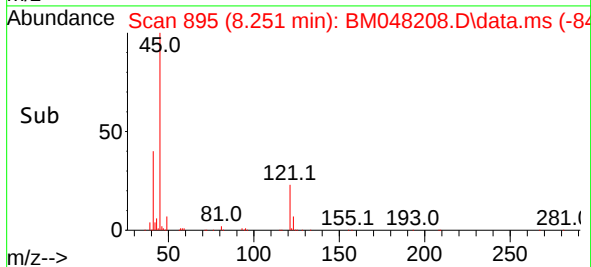
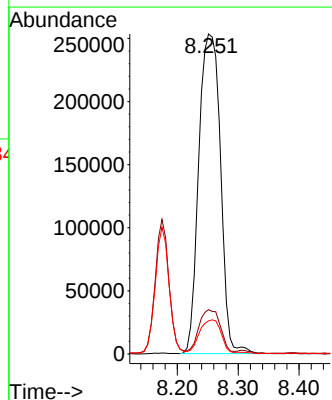
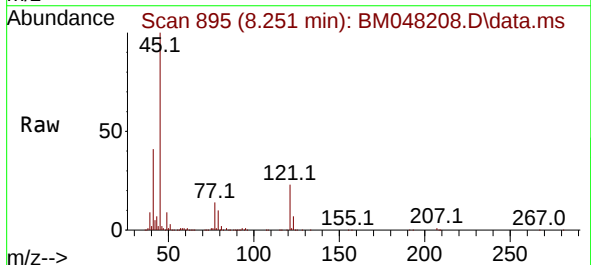
Manual Integrations  
APPROVED

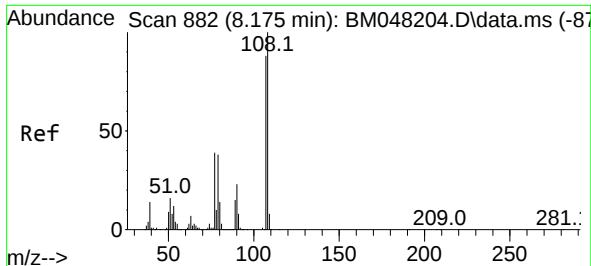
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.805 ng  
RT: 8.251 min Scan# 895  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion: 45 Resp: 627270  
Ion Ratio Lower Upper  
45 100  
77 13.8 0.0 34.2  
79 10.3 0.0 30.7





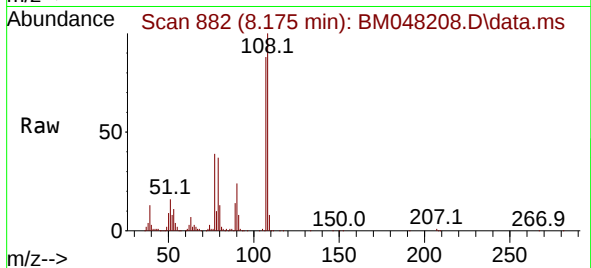
#17  
2-Methylphenol  
Concen: 42.135 ng  
RT: 8.175 min Scan# 882  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



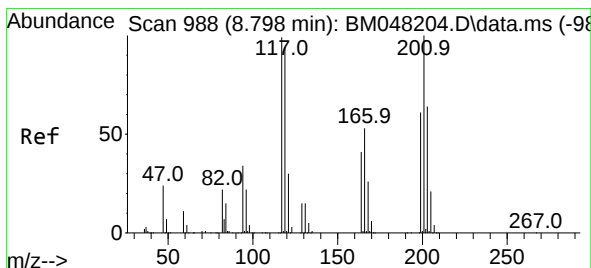
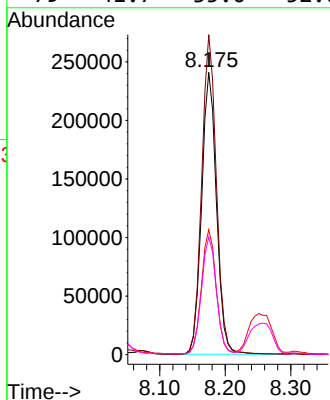
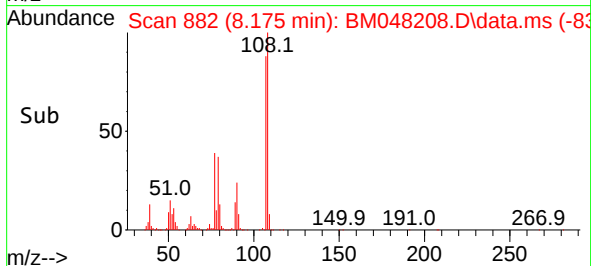
Tgt Ion:107 Resp: 37870  
Ion Ratio Lower Upper  
107 100  
108 113.4 91.3 136.9  
77 44.3 36.2 54.2  
79 41.7 35.0 52.6

Manual Integrations

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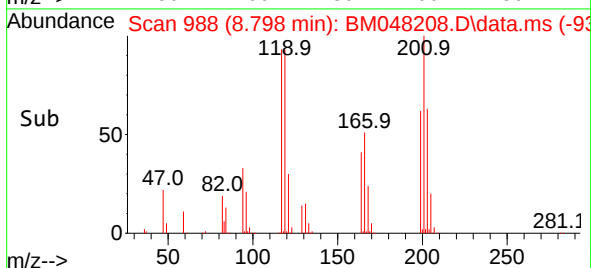
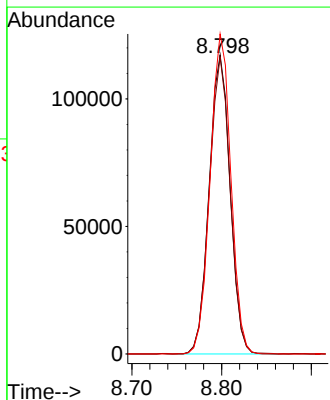
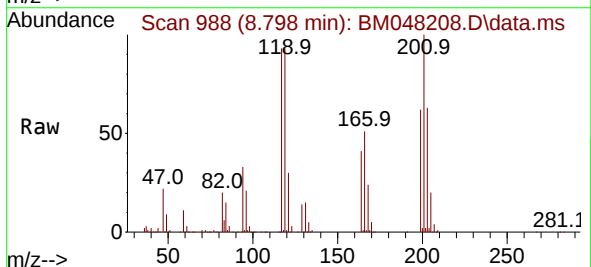
Reviewed By :Yogesh Patel 10/24/2024

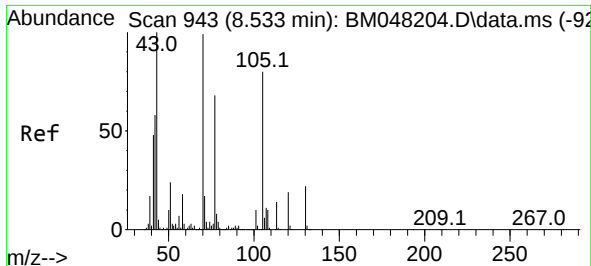
Supervised By :mohammad ahmed 10/24/2024



#18  
Hexachloroethane  
Concen: 39.627 ng  
RT: 8.798 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:117 Resp: 190793  
Ion Ratio Lower Upper  
117 100  
119 99.4 76.5 114.7  
201 107.0 80.9 121.3





#19

n-Nitroso-di-n-propylamine

Concen: 41.253 ng

RT: 8.534 min Scan# 943

Delta R.T. 0.000 min

Lab File: BM048208.D

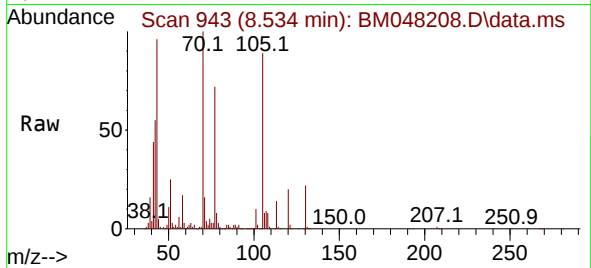
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



Tgt Ion: 70 Resp: 350878

Ion Ratio Lower Upper

70 100

42 55.2 47.0 70.6

101 9.9 7.8 11.6

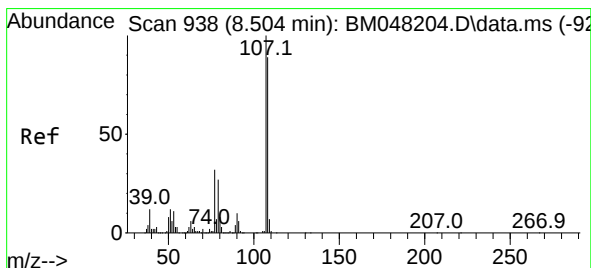
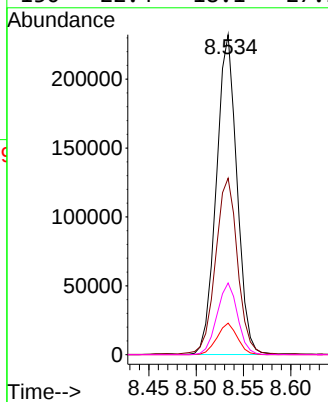
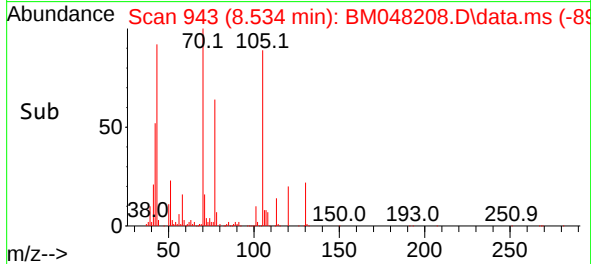
130 22.4 18.1 27.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#20

3+4-Methylphenols

Concen: 42.469 ng

RT: 8.504 min Scan# 938

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Tgt Ion:107 Resp: 528781

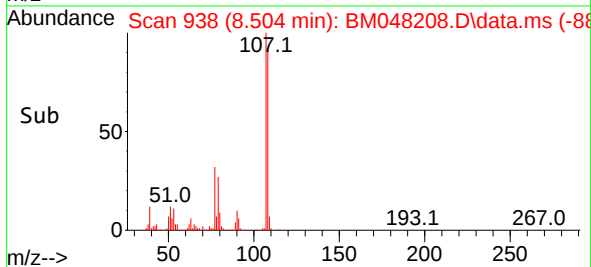
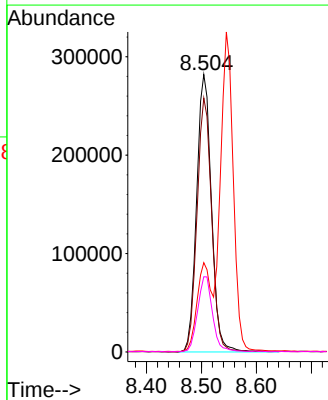
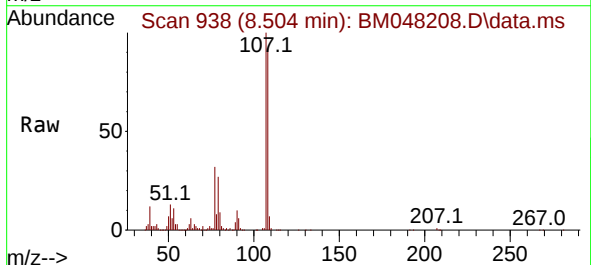
Ion Ratio Lower Upper

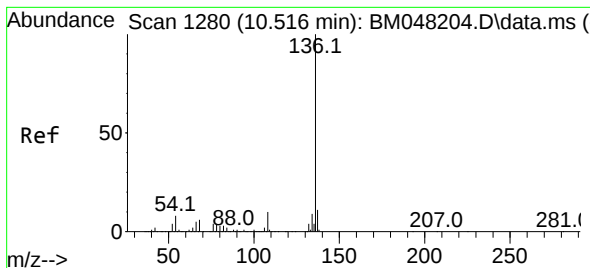
107 100

108 91.5 69.0 109.0

77 32.2 12.3 52.3

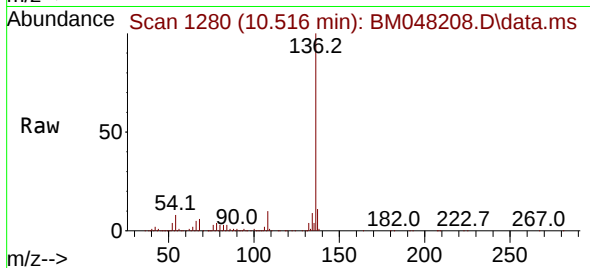
79 27.1 6.9 46.9





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.516 min Scan# 1280  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

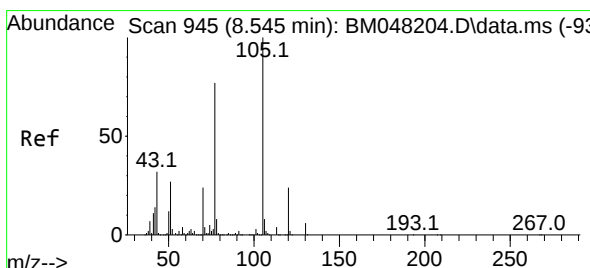
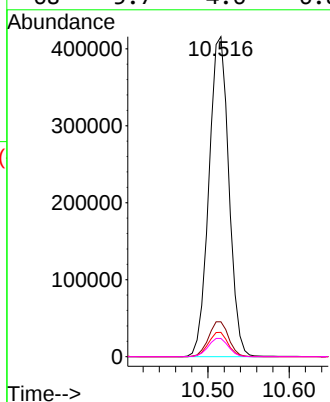
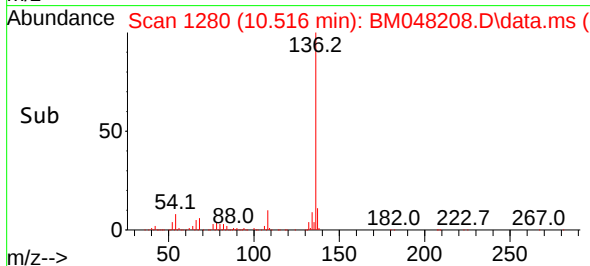
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:136 Resp: 708890  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.9 13.3  
54 7.6 6.5 9.7  
68 5.7 4.6 6.8

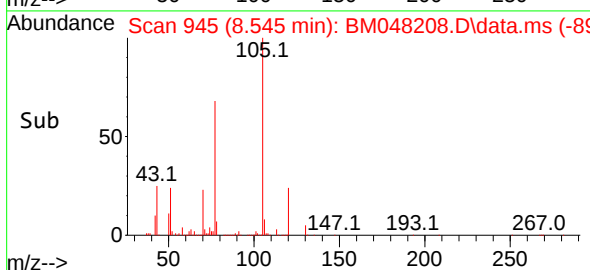
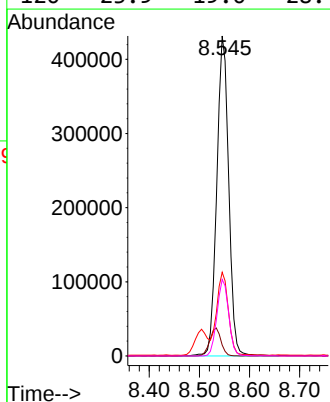
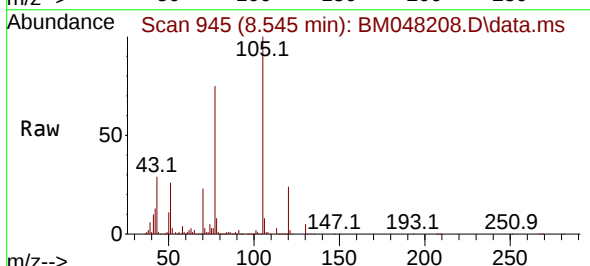
Manual Integrations  
APPROVED

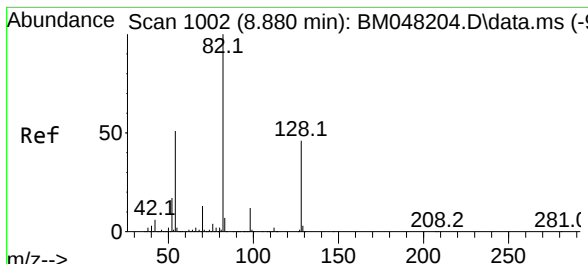
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#22  
Acetophenone  
Concen: 41.085 ng  
RT: 8.545 min Scan# 945  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:105 Resp: 710810  
Ion Ratio Lower Upper  
105 100  
71 3.4 3.4 5.0  
51 26.2 21.7 32.5  
120 23.9 19.0 28.4





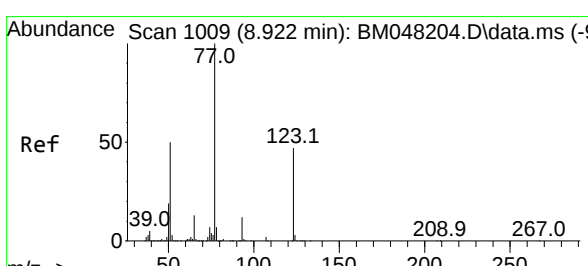
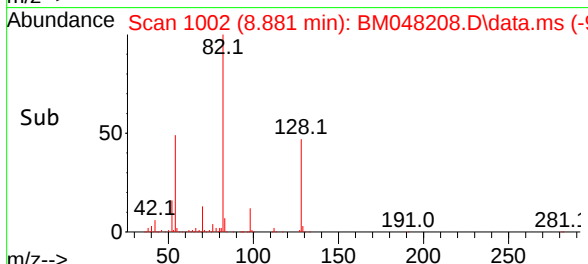
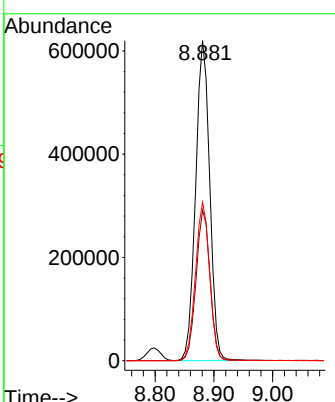
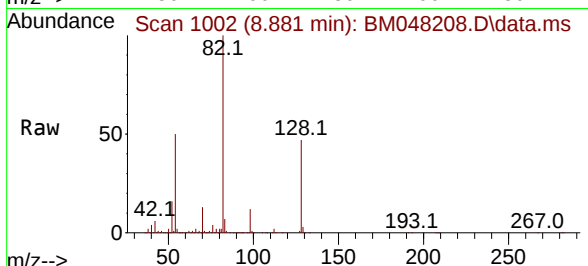
#23  
 Nitrobenzene-d5  
 Concen: 82.156 ng  
 RT: 8.881 min Scan# 1002  
 Delta R.T. 0.000 min  
 Lab File: BM048208.D  
 Acq: 23 Oct 2024 17:46

**Instrument :**  
 BNA\_M  
**ClientSampleId :**  
 ICVBM102324

Tgt Ion: 82 Resp: 103147

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 47.0  | 36.6  | 54.8  |
| 54  | 49.5  | 41.0  | 61.4  |

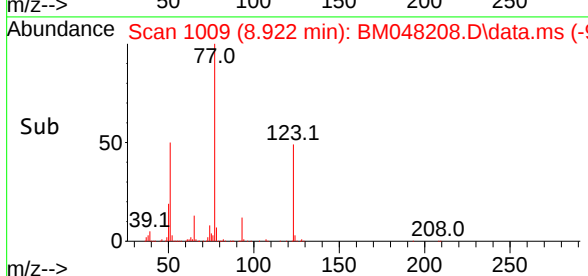
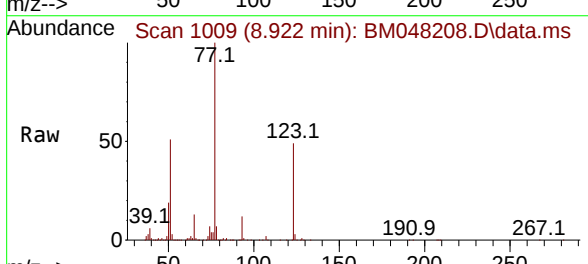
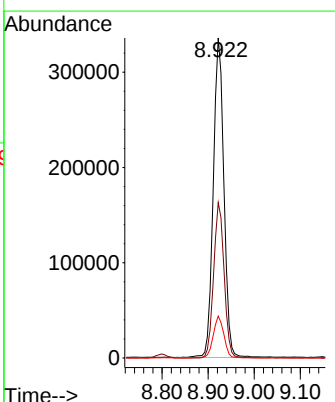
**Manual Integrations**  
**APPROVED**  
 Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/24/2024

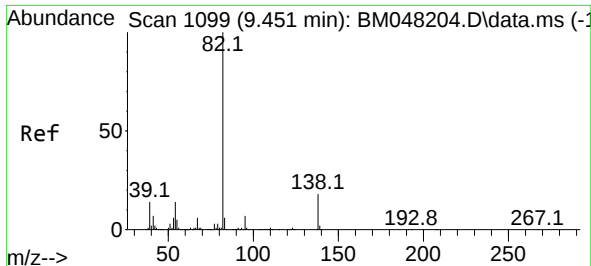


#24  
 Nitrobenzene  
 Concen: 41.202 ng  
 RT: 8.922 min Scan# 1009  
 Delta R.T. 0.000 min  
 Lab File: BM048208.D  
 Acq: 23 Oct 2024 17:46

Tgt Ion: 77 Resp: 535976

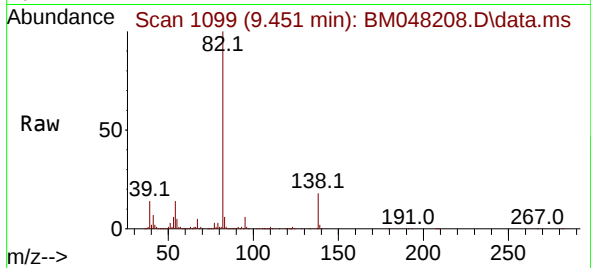
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 48.5  | 37.8  | 56.6  |
| 65  | 13.1  | 10.4  | 15.6  |





#25  
Isophorone  
Concen: 41.856 ng  
RT: 9.451 min Scan# 1099  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

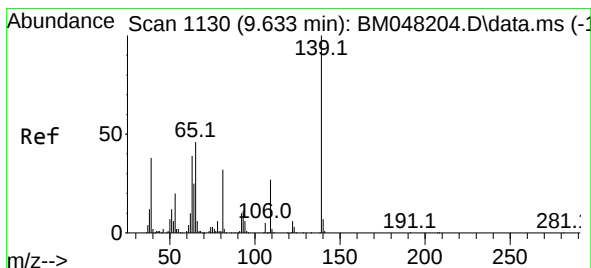
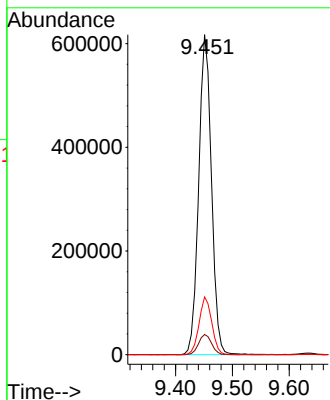
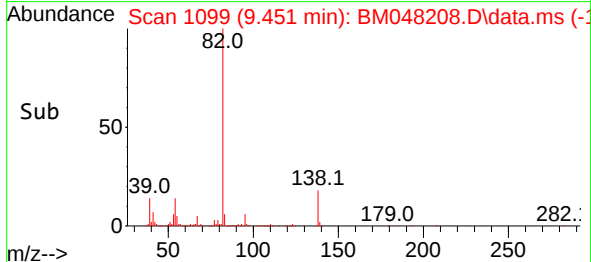
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion: 82 Resp: 96325  
Ion Ratio Lower Upper  
82 100  
95 6.3 5.3 7.9  
138 18.0 14.3 21.5

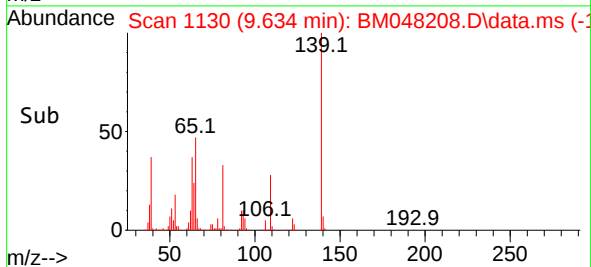
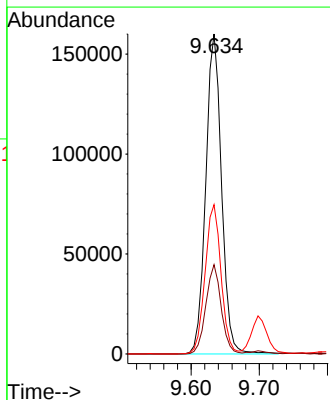
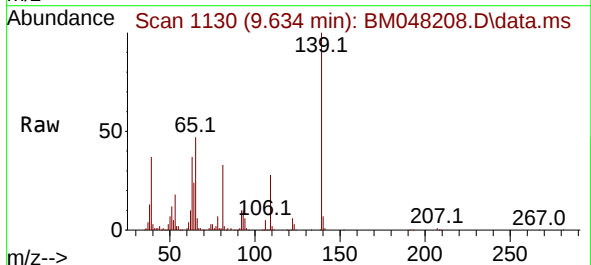
Manual Integrations  
APPROVED

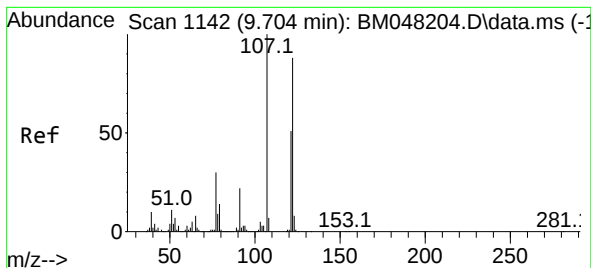
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#26  
2-Nitrophenol  
Concen: 42.964 ng  
RT: 9.634 min Scan# 1130  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:139 Resp: 258053  
Ion Ratio Lower Upper  
139 100  
109 27.9 21.2 31.8  
65 46.6 36.8 55.2





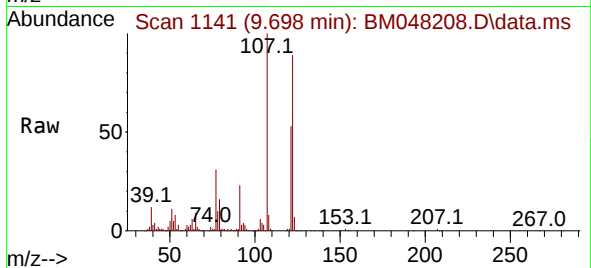
#27  
2,4-Dimethylphenol  
Concen: 42.323 ng  
RT: 9.698 min Scan# 1141  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



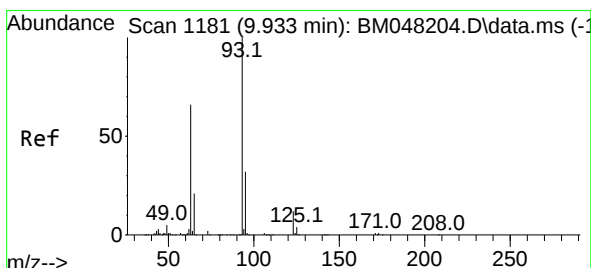
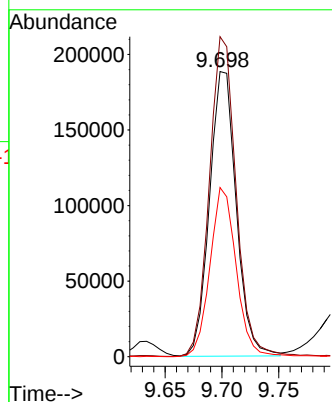
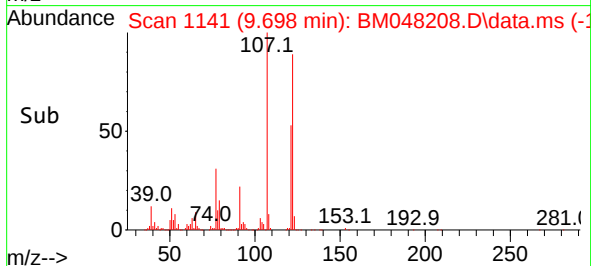
Tgt Ion:122 Resp: 308410  
Ion Ratio Lower Upper  
122 100  
107 112.2 91.0 136.6  
121 59.3 46.1 69.1

Manual Integrations

APPROVED

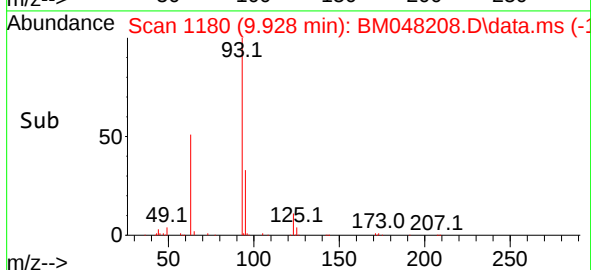
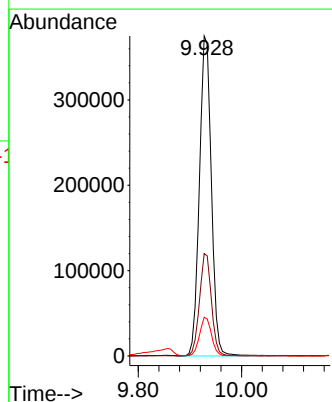
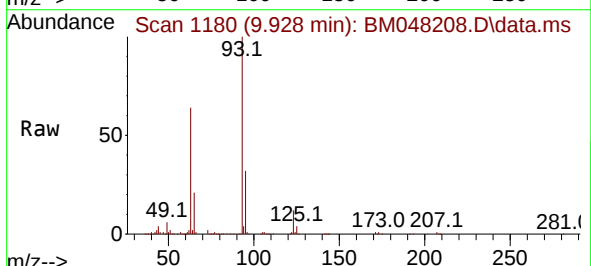
Reviewed By :Yogesh Patel 10/24/2024

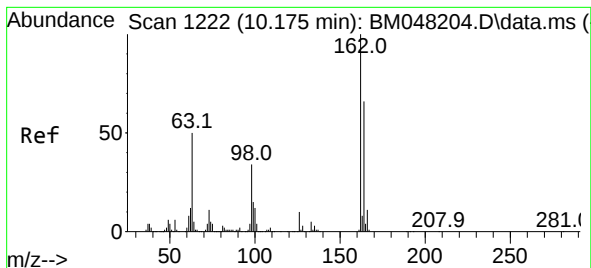
Supervised By :mohammad ahmed 10/24/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 41.401 ng  
RT: 9.928 min Scan# 1180  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

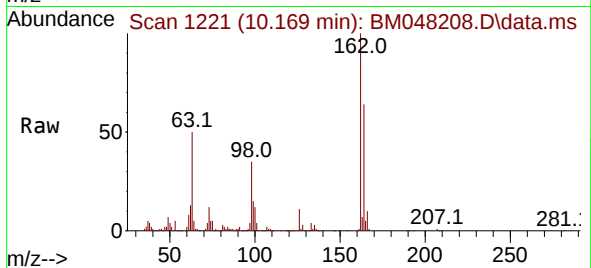
Tgt Ion: 93 Resp: 602909  
Ion Ratio Lower Upper  
93 100  
95 32.0 25.3 37.9  
123 12.1 9.8 14.6





#29  
2,4-Dichlorophenol  
Concen: 42.403 ng  
RT: 10.169 min Scan# 1221  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

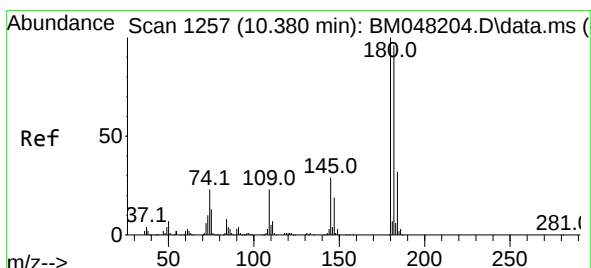
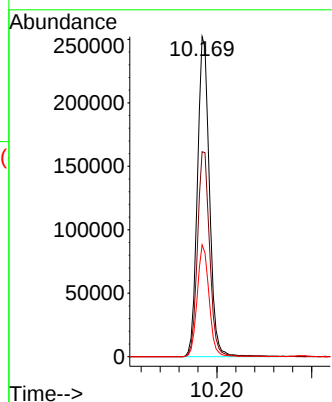
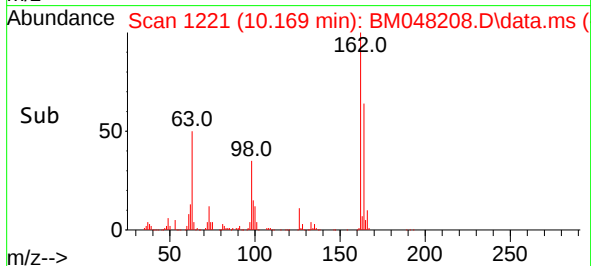
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:162 Resp: 444507  
Ion Ratio Lower Upper  
162 100  
164 64.1 46.0 86.0  
98 35.0 14.4 54.4

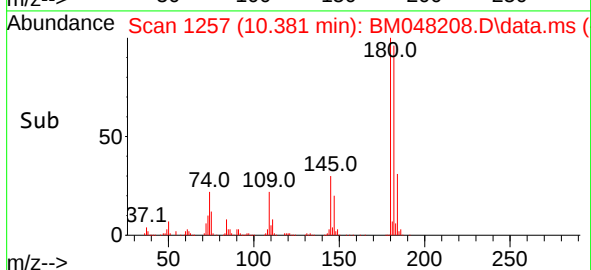
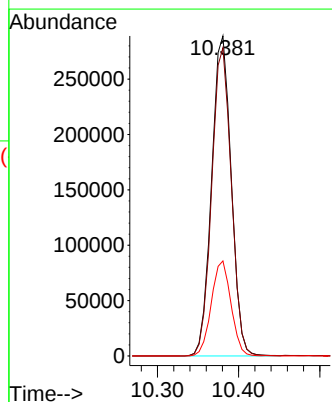
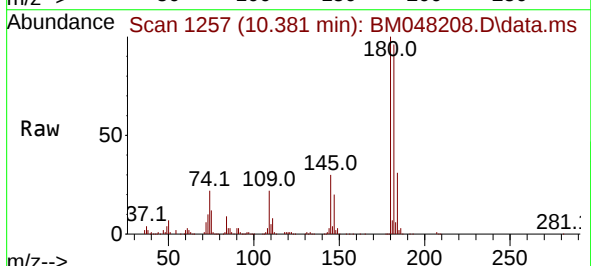
Manual Integrations  
APPROVED

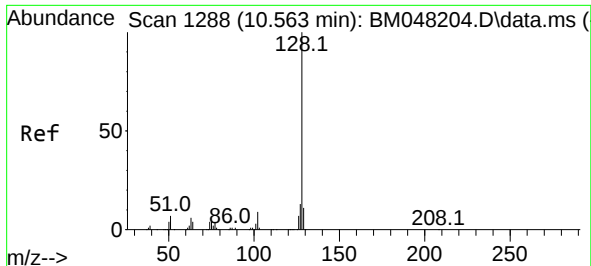
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 40.422 ng  
RT: 10.381 min Scan# 1257  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

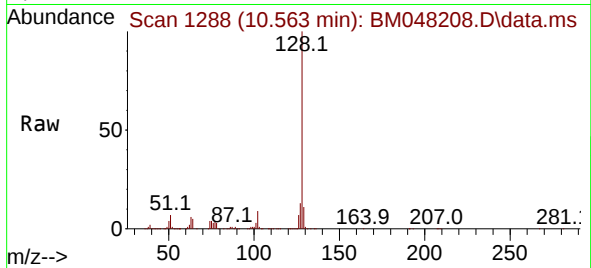
Tgt Ion:180 Resp: 485303  
Ion Ratio Lower Upper  
180 100  
182 96.3 76.6 115.0  
145 29.7 23.4 35.2





#31  
Naphthalene  
Concen: 40.790 ng  
RT: 10.563 min Scan# 1167  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

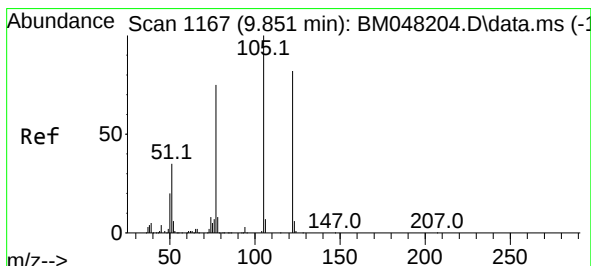
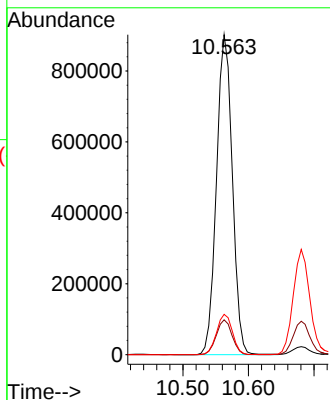
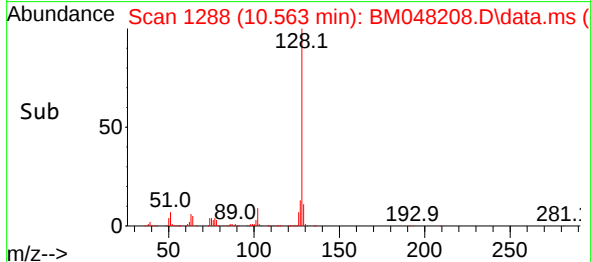
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:128 Resp: 1508139  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.8 13.2  
127 12.6 10.2 15.2

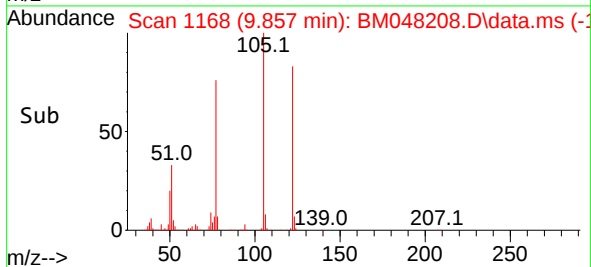
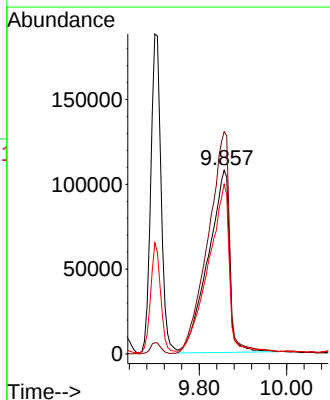
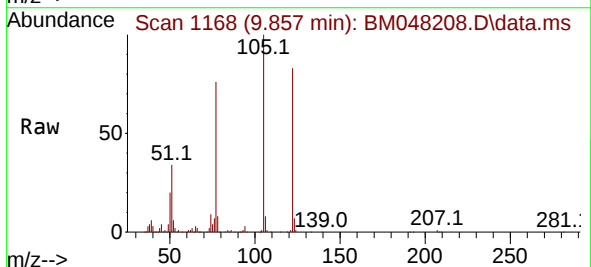
Manual Integrations  
APPROVED

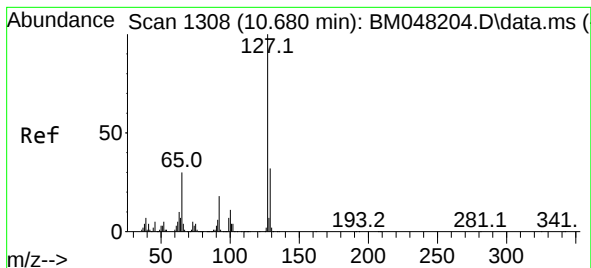
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#32  
Benzoic acid  
Concen: 45.048 ng  
RT: 9.857 min Scan# 1168  
Delta R.T. 0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:122 Resp: 365395  
Ion Ratio Lower Upper  
122 100  
105 121.1 99.3 139.3  
77 92.5 70.4 110.4





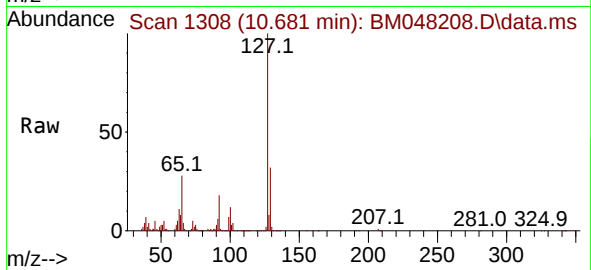
#33  
4-Chloroaniline  
Concen: 44.536 ng  
RT: 10.681 min Scan# 1308  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

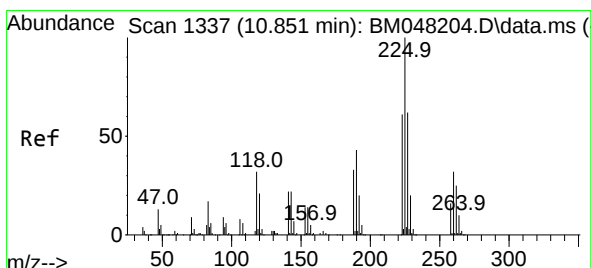
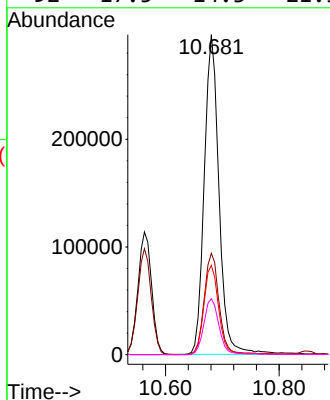
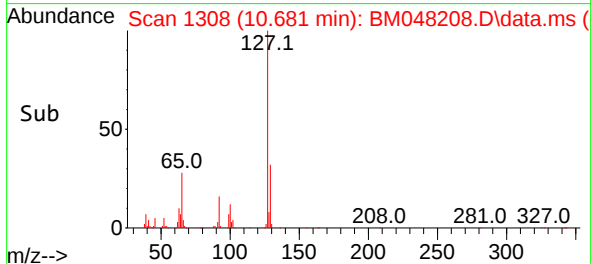


Tgt Ion:127 Resp: 53404  
Ion Ratio Lower Upper  
127 100  
129 31.7 25.8 38.6  
65 27.9 23.7 35.5  
92 17.5 14.3 21.5

Manual Integrations

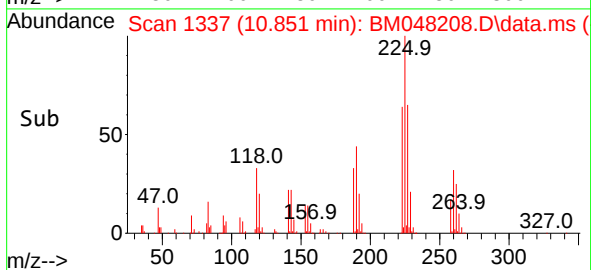
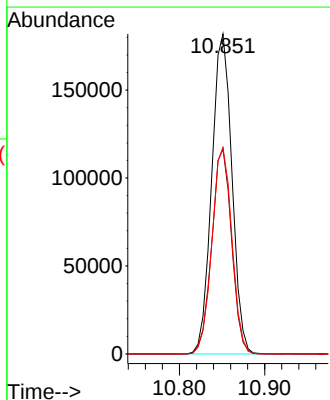
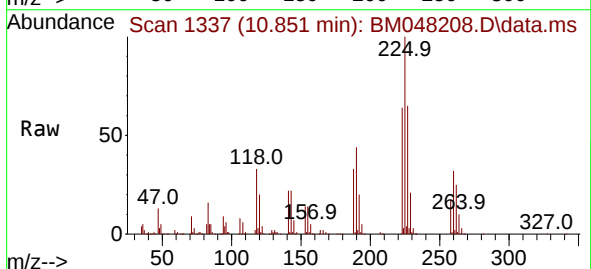
APPROVED

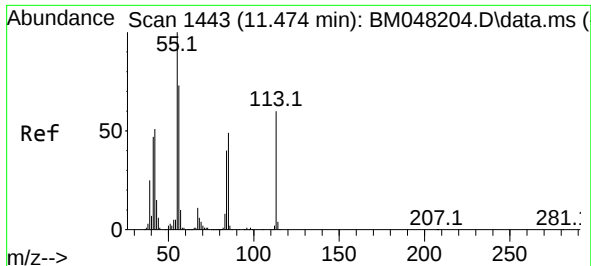
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#34  
Hexachlorobutadiene  
Concen: 40.200 ng  
RT: 10.851 min Scan# 1337  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

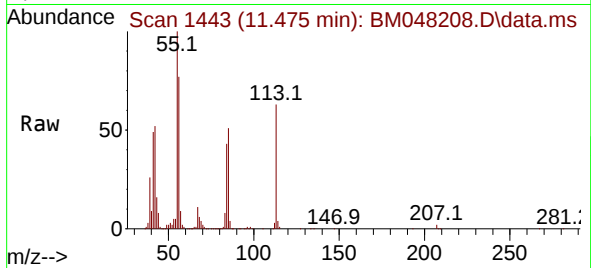
Tgt Ion:225 Resp: 299128  
Ion Ratio Lower Upper  
225 100  
223 64.0 48.6 73.0  
227 64.6 49.6 74.4





#35  
Caprolactam  
Concen: 44.661 ng  
RT: 11.475 min Scan# 1443  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

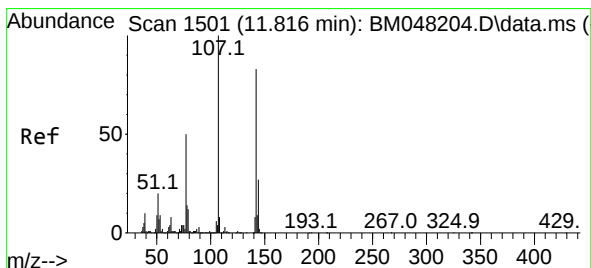
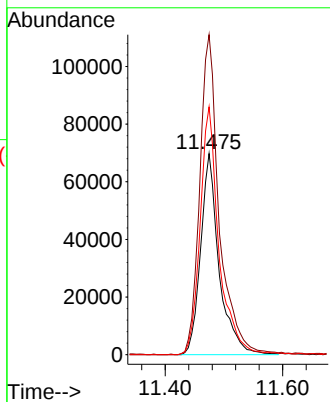
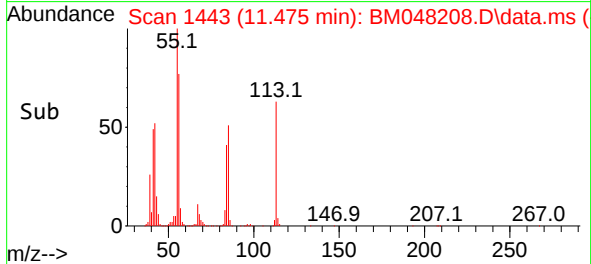
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



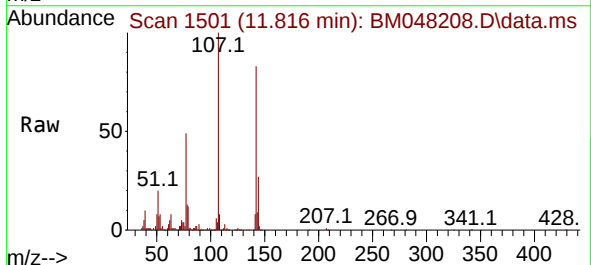
Tgt Ion:113 Resp: 152079  
Ion Ratio Lower Upper  
113 100  
55 159.0 146.1 186.1  
56 123.2 101.9 141.9

Manual Integrations  
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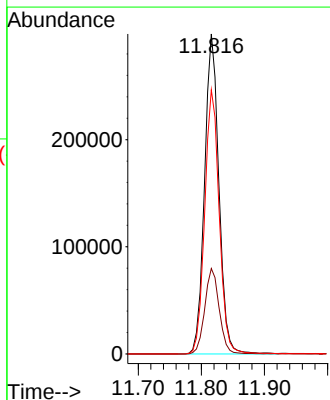
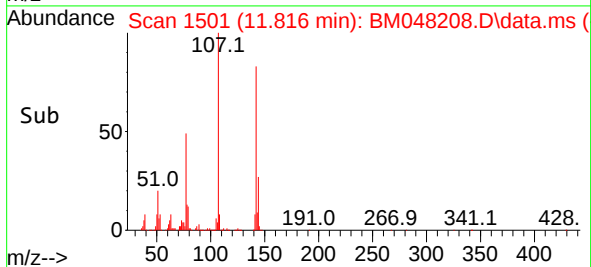
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

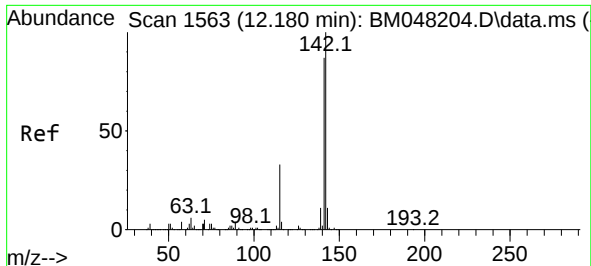


#36  
4-Chloro-3-methylphenol  
Concen: 42.954 ng  
RT: 11.816 min Scan# 1501  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



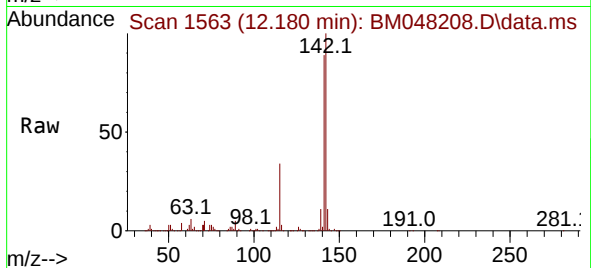
Tgt Ion:107 Resp: 470052  
Ion Ratio Lower Upper  
107 100  
144 26.7 21.5 32.3  
142 82.6 66.8 100.2





#37  
2-Methylnaphthalene  
Concen: 40.999 ng  
RT: 12.180 min Scan# 1563  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

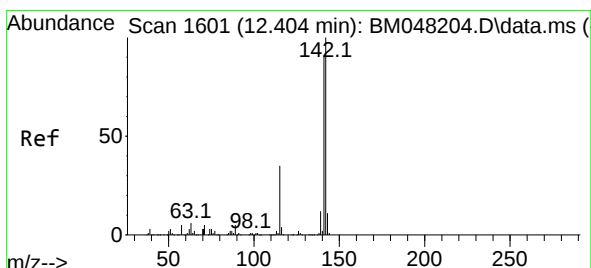
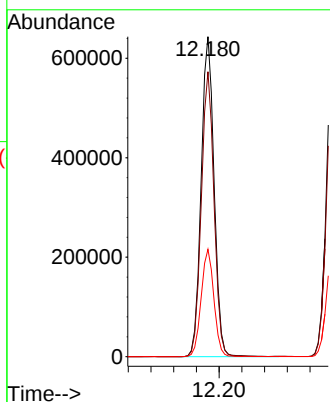
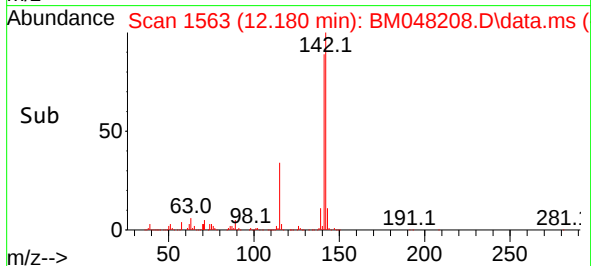
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



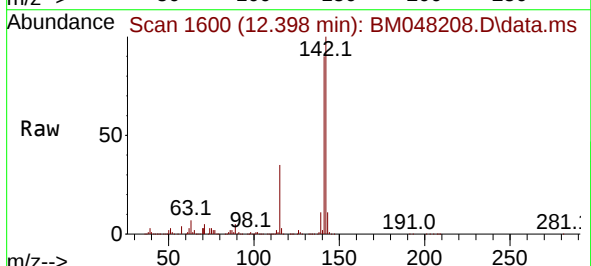
Tgt Ion:142 Resp: 1012794  
Ion Ratio Lower Upper  
142 100  
141 89.0 69.8 104.6  
115 33.6 26.3 39.5

Manual Integrations  
APPROVED

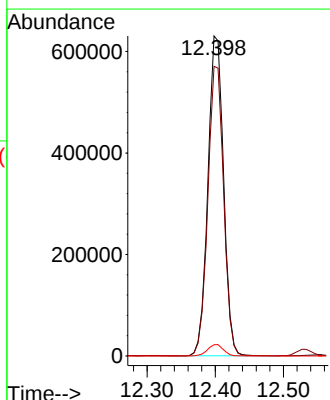
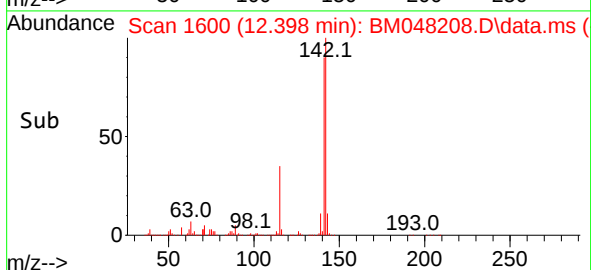
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

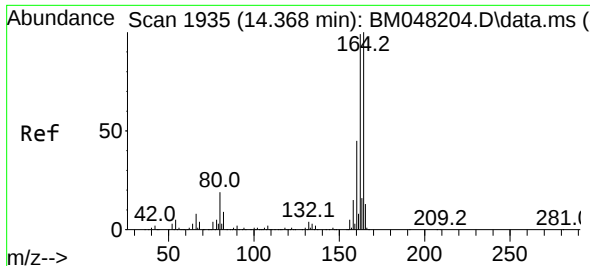


#38  
1-Methylnaphthalene  
Concen: 41.192 ng  
RT: 12.398 min Scan# 1600  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:142 Resp: 1009031  
Ion Ratio Lower Upper  
142 100  
141 90.5 72.7 109.1  
116 3.5 2.9 4.3





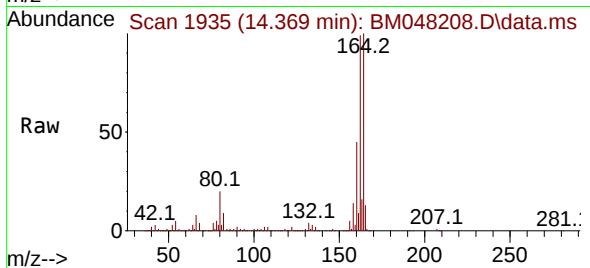
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.369 min Scan# 1935  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



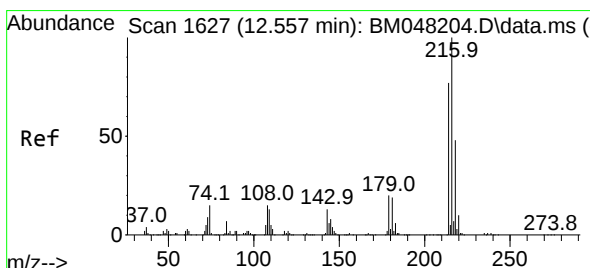
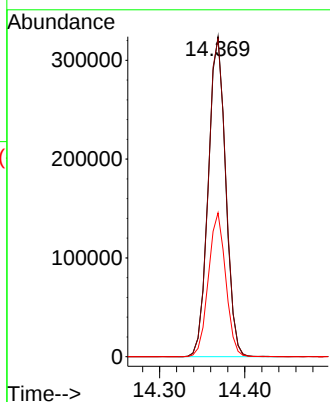
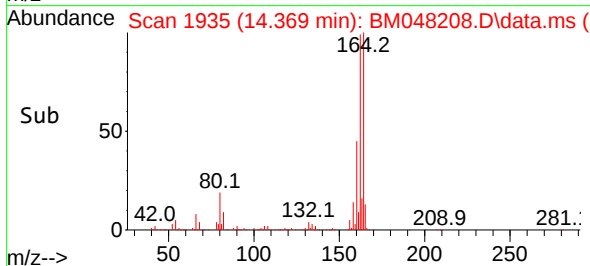
Tgt Ion:164 Resp: 458798  
Ion Ratio Lower Upper  
164 100  
162 99.3 79.1 118.7  
160 44.9 35.8 53.8

Manual Integrations

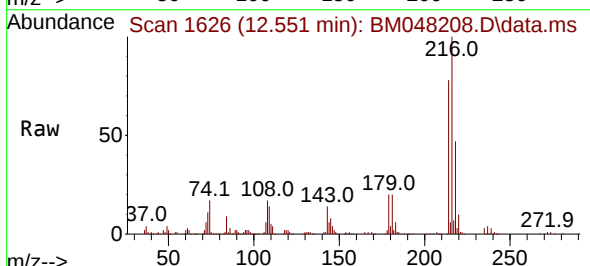
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

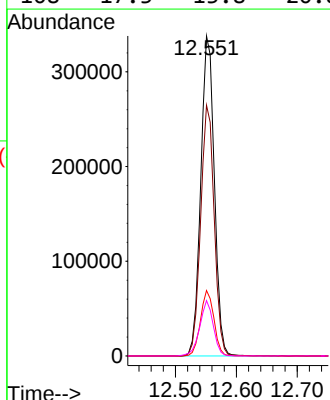
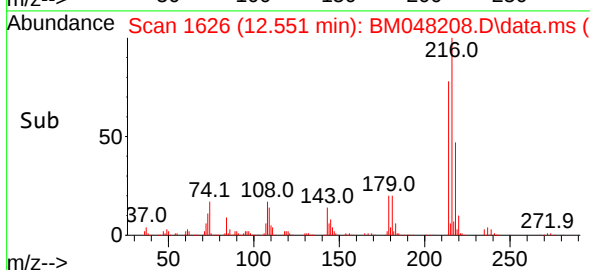
Supervised By :mohammad ahmed 10/24/2024

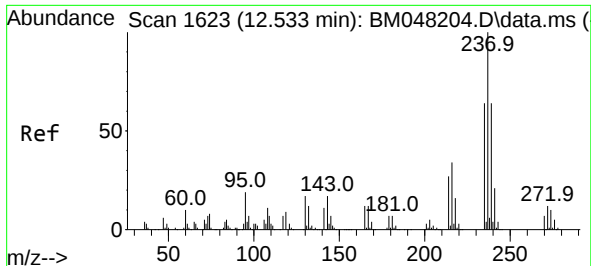


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.942 ng  
RT: 12.551 min Scan# 1626  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



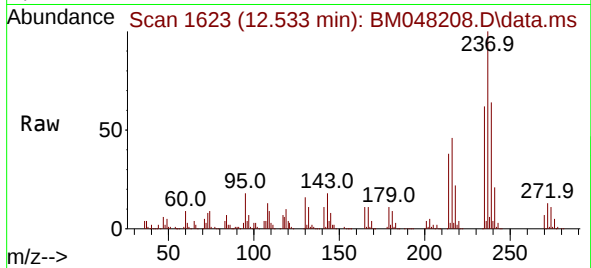
Tgt Ion:216 Resp: 523772  
Ion Ratio Lower Upper  
216 100  
214 78.2 62.2 93.2  
179 20.2 16.0 24.0  
108 17.3 13.8 20.8





#41  
Hexachlorocyclopentadiene  
Concen: 39.553 ng  
RT: 12.533 min Scan# 1623  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

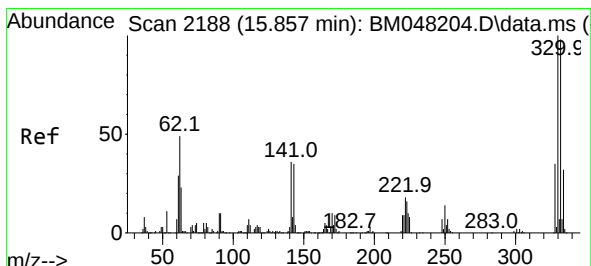
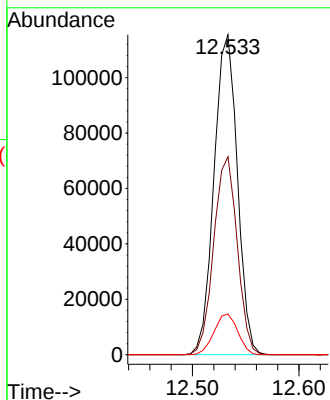
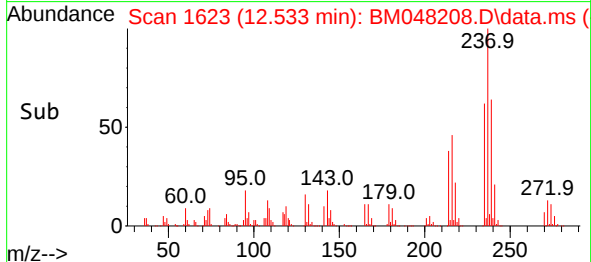
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



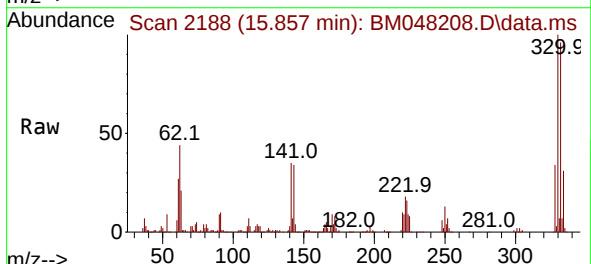
Tgt Ion:237 Resp: 175510  
Ion Ratio Lower Upper  
237 100  
235 61.8 44.2 84.2  
272 12.7 0.0 32.4

Manual Integrations  
APPROVED

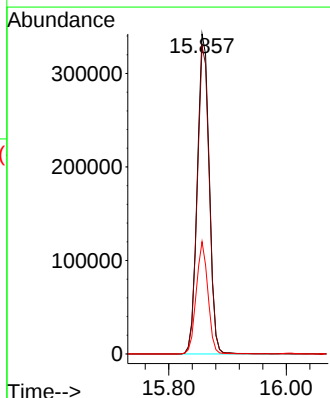
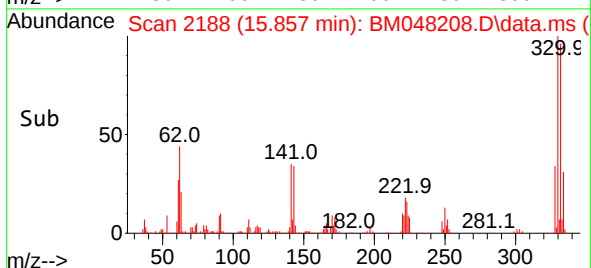
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

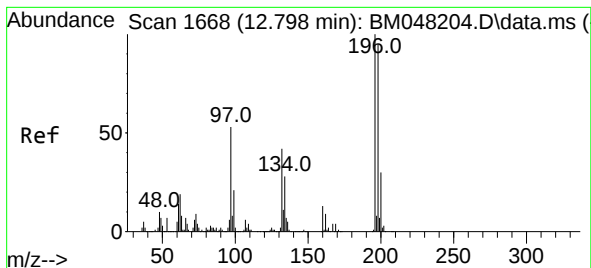


#42  
2,4,6-Tribromophenol  
Concen: 86.036 ng  
RT: 15.857 min Scan# 2188  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:330 Resp: 483153  
Ion Ratio Lower Upper  
330 100  
332 96.2 77.5 116.3  
141 34.1 27.5 41.3





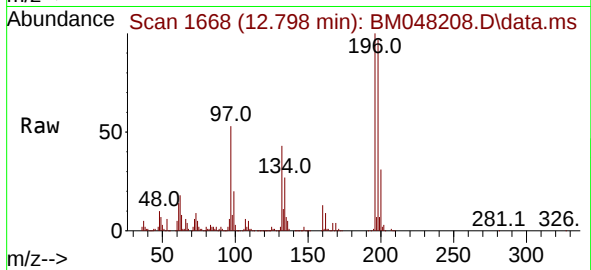
#43  
2,4,6-Trichlorophenol  
Concen: 41.519 ng  
RT: 12.798 min Scan# 1668  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



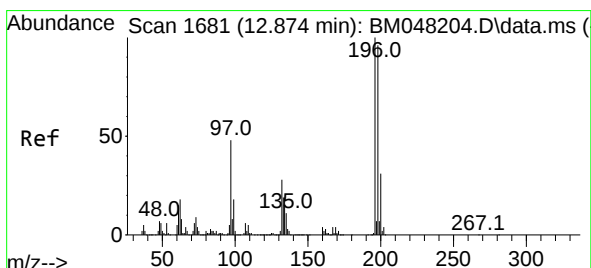
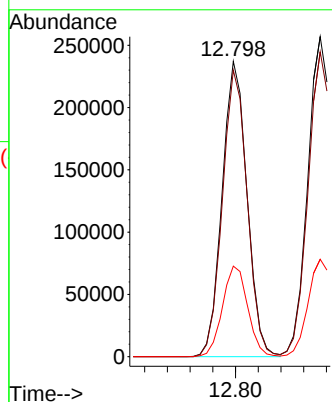
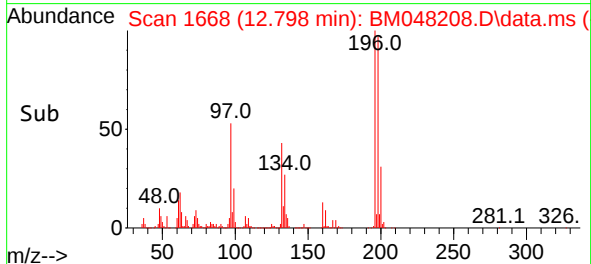
Tgt Ion:196 Resp: 361314  
Ion Ratio Lower Upper  
196 100  
198 97.0 76.2 114.2  
200 30.6 24.2 36.2

Manual Integrations

APPROVED

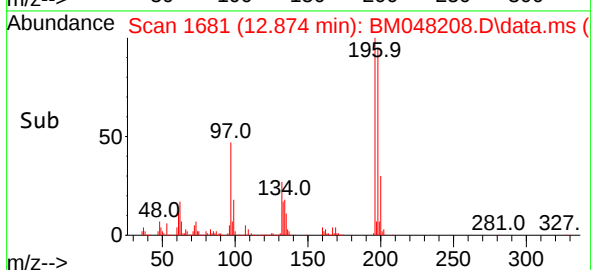
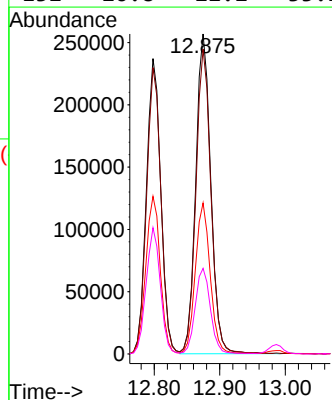
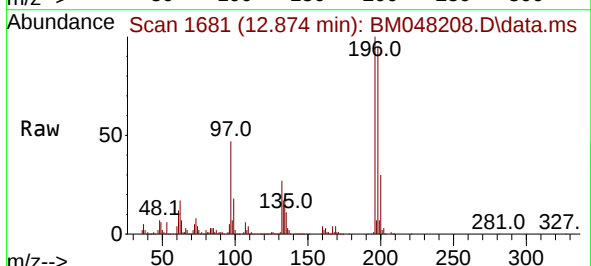
Reviewed By :Yogesh Patel 10/24/2024

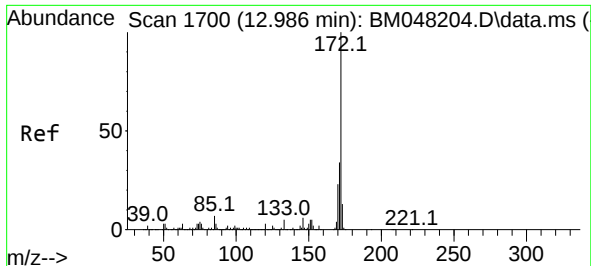
Supervised By :mohammad ahmed 10/24/2024



#44  
2,4,5-Trichlorophenol  
Concen: 42.345 ng  
RT: 12.874 min Scan# 1681  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:196 Resp: 410941  
Ion Ratio Lower Upper  
196 100  
198 95.3 76.7 115.1  
97 47.2 38.5 57.7  
132 26.8 22.2 33.2





#45  
2-Fluorobiphenyl  
Concen: 80.513 ng  
RT: 12.986 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

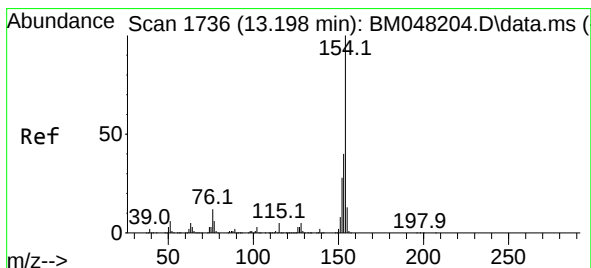
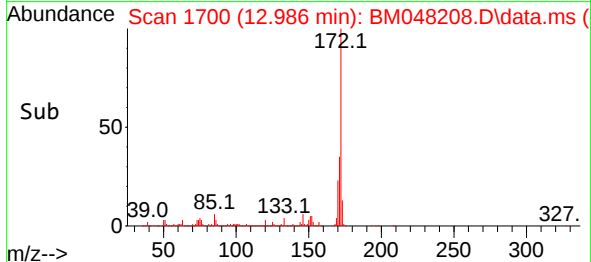
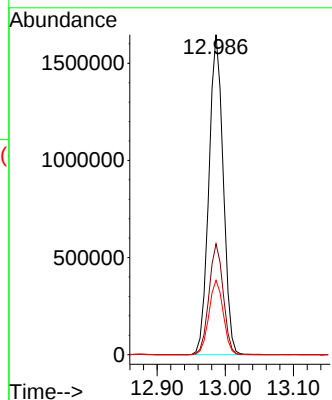
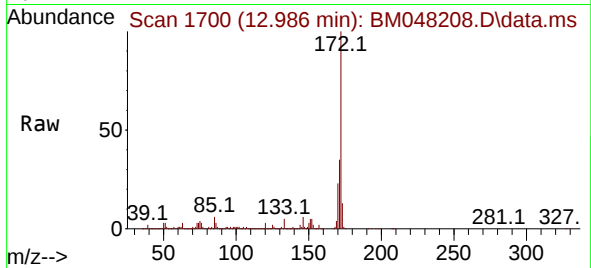
ICVBM102324

Tgt Ion:172 Resp: 240724  
Ion Ratio Lower Upper  
172 100  
171 34.7 27.4 41.0  
170 23.2 18.5 27.7

Manual Integrations

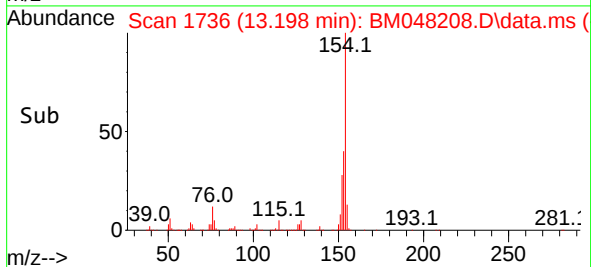
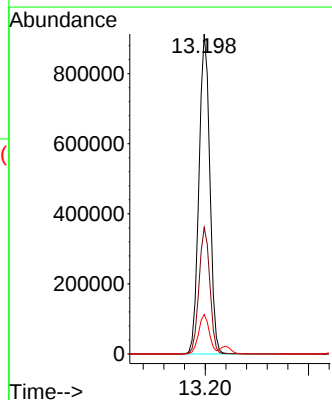
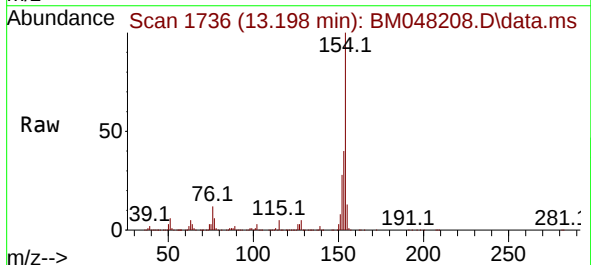
APPROVED

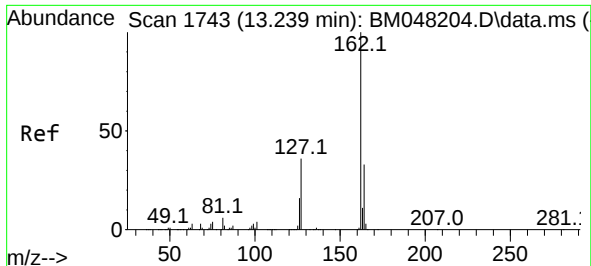
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#46  
1,1'-Biphenyl  
Concen: 40.549 ng  
RT: 13.198 min Scan# 1736  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

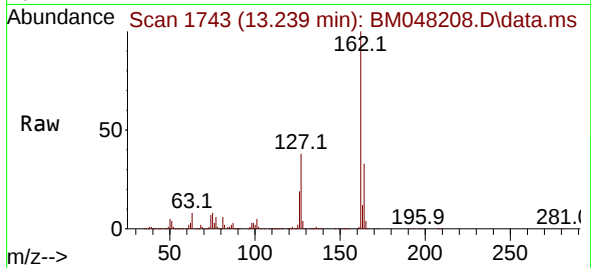
Tgt Ion:154 Resp: 1328255  
Ion Ratio Lower Upper  
154 100  
153 39.6 19.9 59.9  
76 12.4 0.0 32.4





#47  
2-Chloronaphthalene  
Concen: 40.220 ng  
RT: 13.239 min Scan# 1743  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

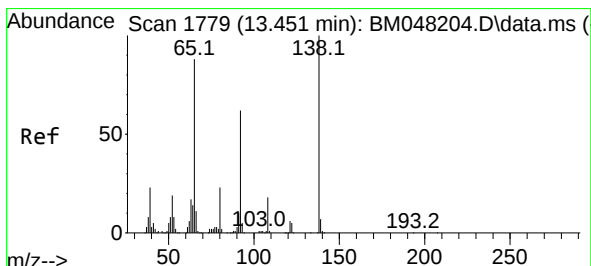
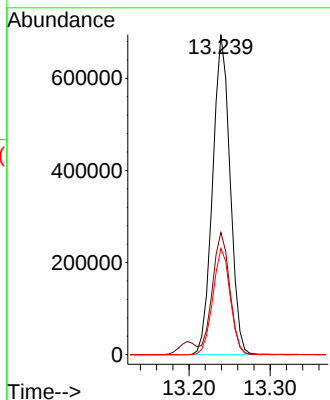
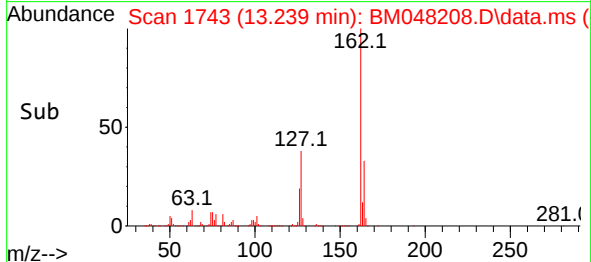
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



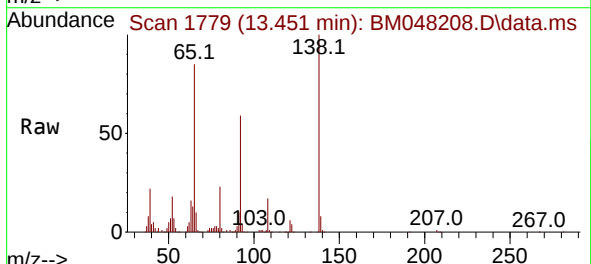
Tgt Ion:162 Resp: 1038790  
Ion Ratio Lower Upper  
162 100  
127 38.2 31.0 46.6  
164 33.2 26.2 39.4

Manual Integrations  
APPROVED

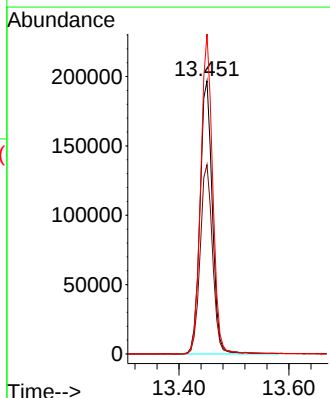
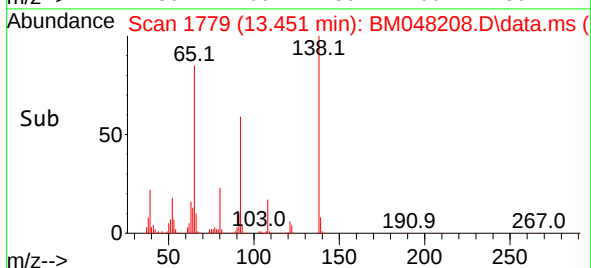
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

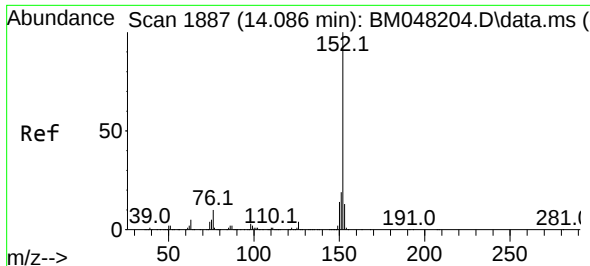


#48  
2-Nitroaniline  
Concen: 43.851 ng  
RT: 13.451 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



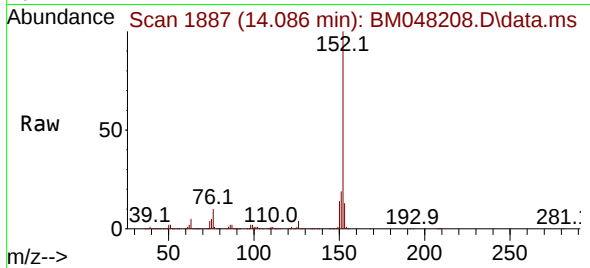
Tgt Ion: 65 Resp: 307178  
Ion Ratio Lower Upper  
65 100  
92 69.3 56.0 84.0  
138 117.2 90.8 136.2





#49  
Acenaphthylene  
Concen: 41.532 ng  
RT: 14.086 min Scan# 1887  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

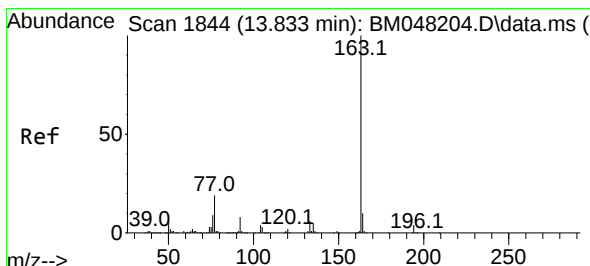
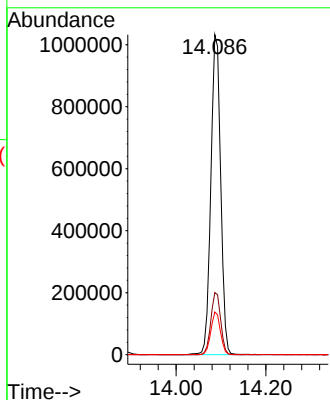
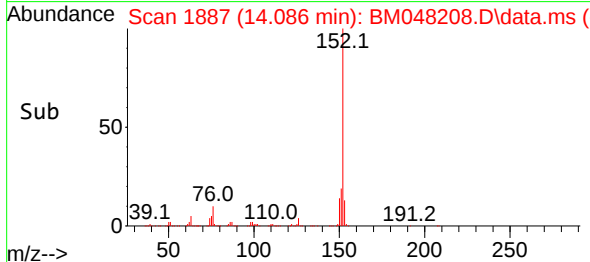
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:152 Resp: 156497  
Ion Ratio Lower Upper  
152 100  
151 19.4 15.4 23.2  
153 13.3 10.5 15.7

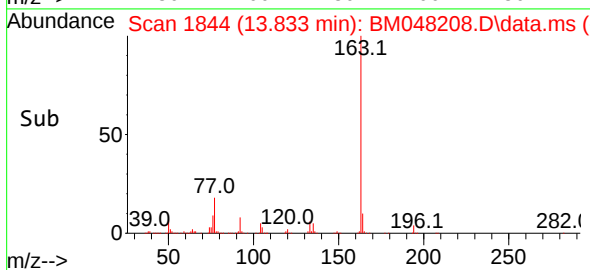
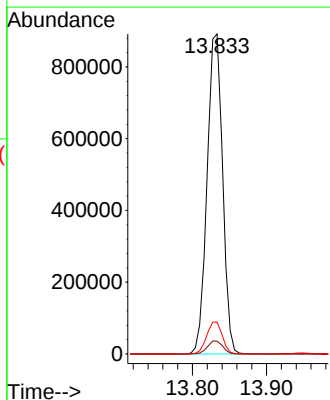
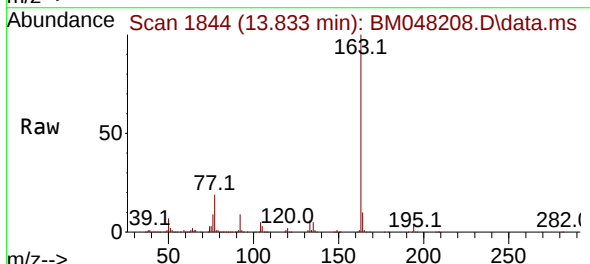
Manual Integrations  
APPROVED

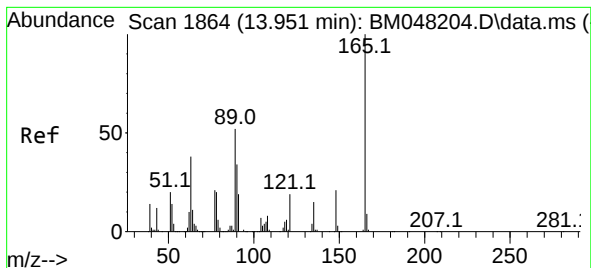
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#50  
Dimethylphthalate  
Concen: 41.360 ng  
RT: 13.833 min Scan# 1844  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

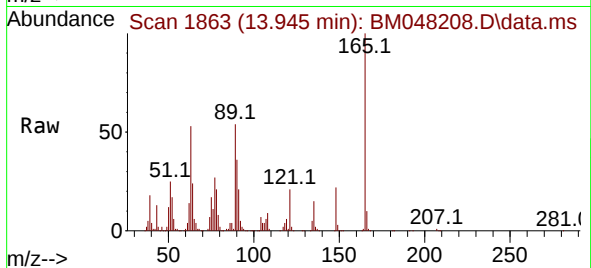
Tgt Ion:163 Resp: 1295422  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.1 4.7  
164 10.0 7.8 11.6





#51  
2,6-Dinitrotoluene  
Concen: 43.266 ng  
RT: 13.945 min Scan# 1864  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

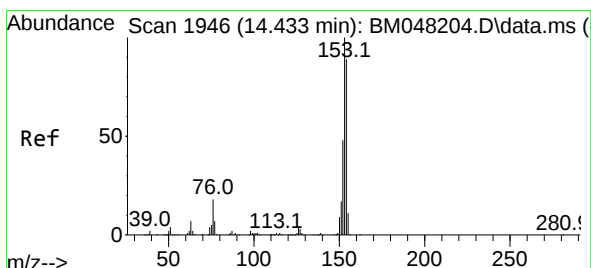
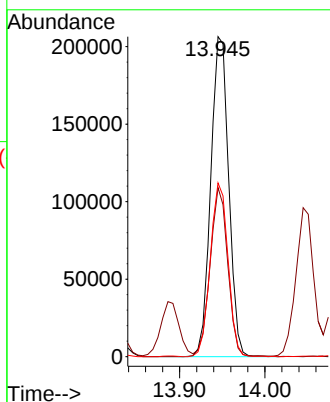
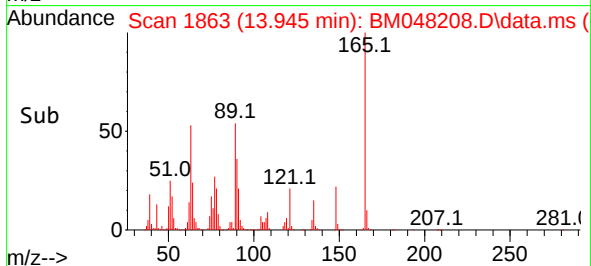
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



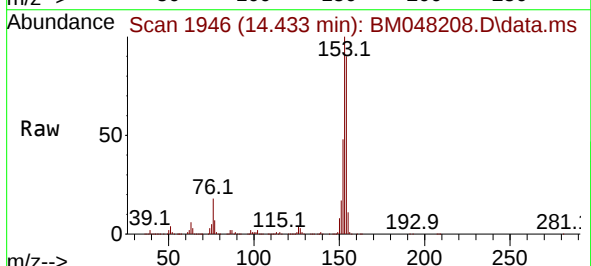
Tgt Ion:165 Resp: 302362  
Ion Ratio Lower Upper  
165 100  
63 52.8 39.5 59.3  
89 54.3 41.8 62.6

Manual Integrations  
APPROVED

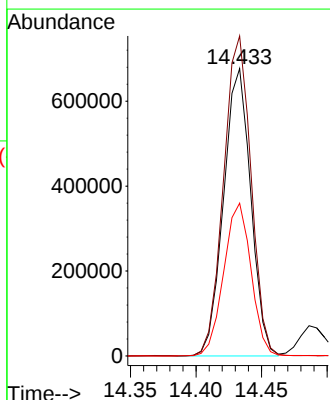
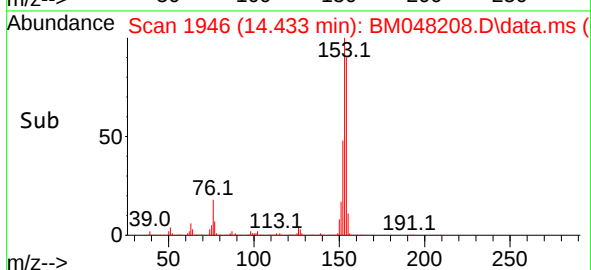
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

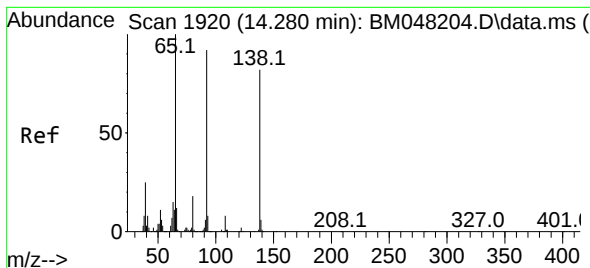


#52  
Acenaphthene  
Concen: 40.748 ng  
RT: 14.433 min Scan# 1946  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



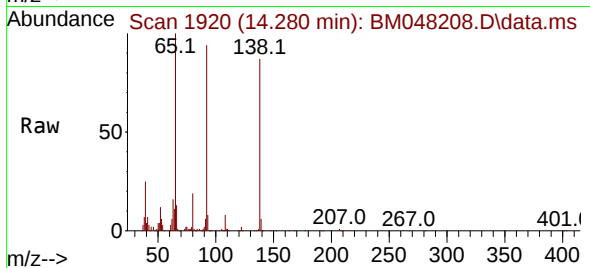
Tgt Ion:154 Resp: 975614  
Ion Ratio Lower Upper  
154 100  
153 111.4 90.4 135.6  
152 53.2 43.6 65.4





#53  
3-Nitroaniline  
Concen: 46.854 ng  
RT: 14.280 min Scan# 1920  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

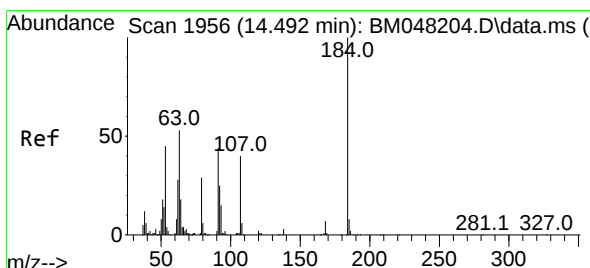
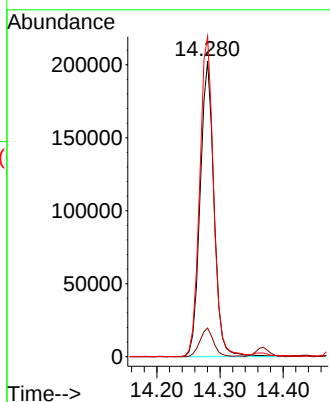
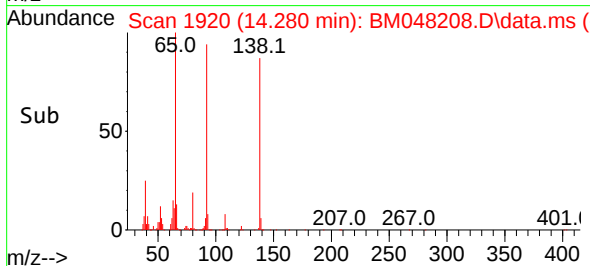
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



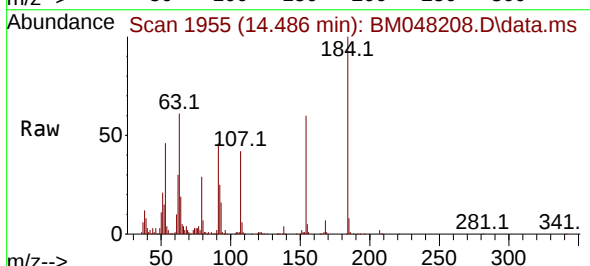
Tgt Ion:138 Resp: 308794  
Ion Ratio Lower Upper  
138 100  
108 9.7 7.5 11.3  
92 108.3 89.7 134.5

Manual Integrations  
APPROVED

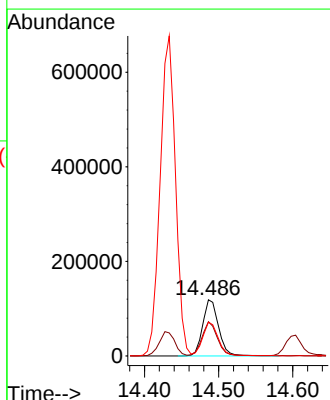
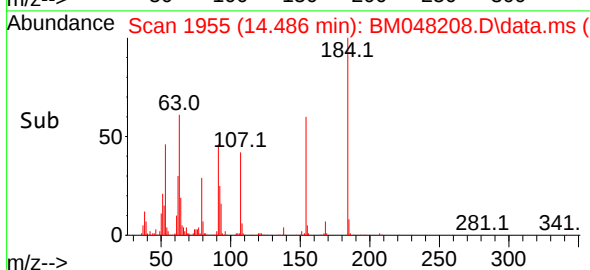
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

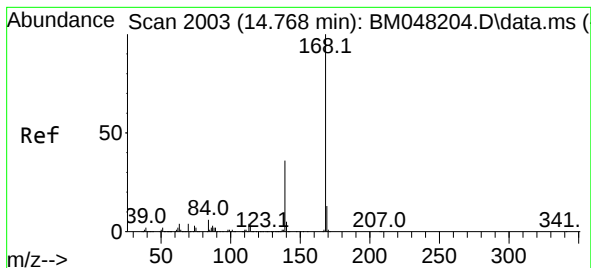


#54  
2,4-Dinitrophenol  
Concen: 43.448 ng  
RT: 14.486 min Scan# 1955  
Delta R.T. -0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



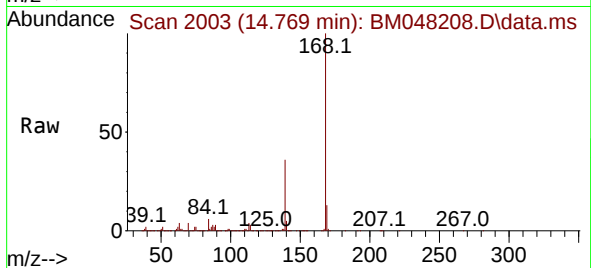
Tgt Ion:184 Resp: 177434  
Ion Ratio Lower Upper  
184 100  
63 61.0 47.2 70.8  
154 60.0 46.0 69.0





#55  
Dibenzofuran  
Concen: 40.907 ng  
RT: 14.769 min Scan# 2003  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

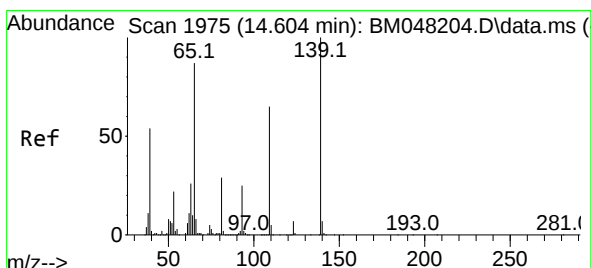
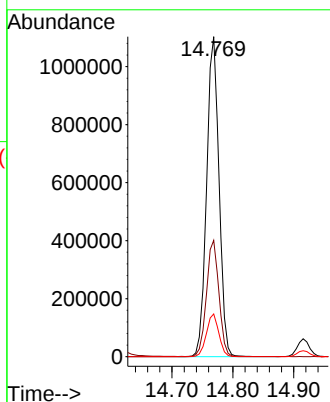
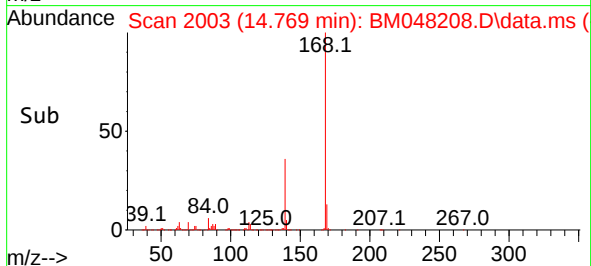
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



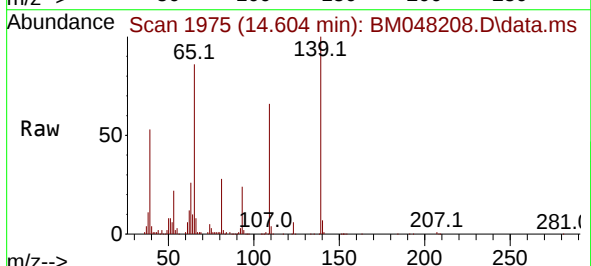
Tgt Ion:168 Resp: 155606  
Ion Ratio Lower Upper  
168 100  
139 36.3 29.0 43.6  
169 13.4 10.4 15.6

Manual Integrations  
APPROVED

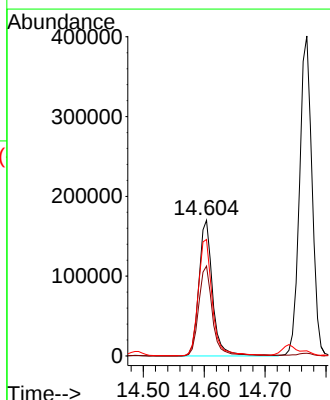
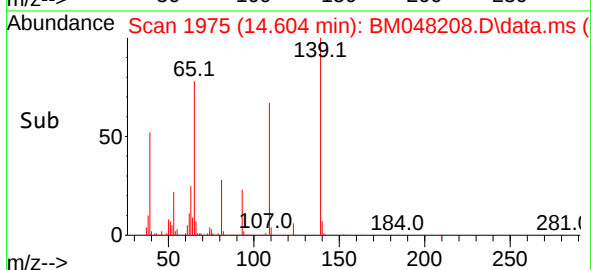
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

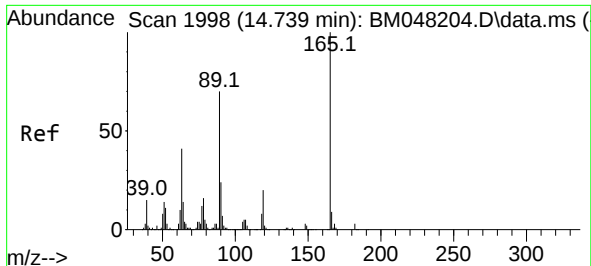


#56  
4-Nitrophenol  
Concen: 45.193 ng  
RT: 14.604 min Scan# 1975  
Delta R.T. -0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:139 Resp: 265825  
Ion Ratio Lower Upper  
139 100  
109 66.3 45.4 85.4  
65 85.9 67.3 107.3





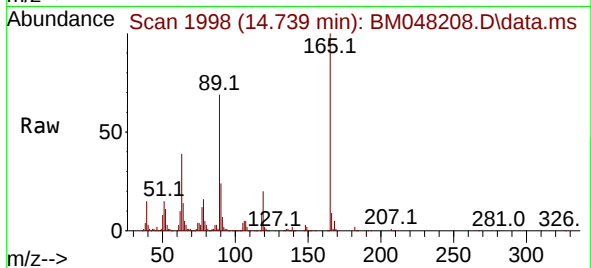
#57  
2,4-Dinitrotoluene  
Concen: 44.531 ng  
RT: 14.739 min Scan# 1998  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



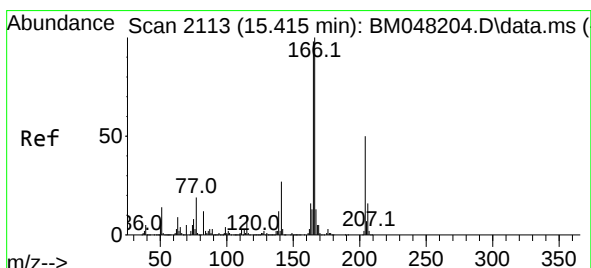
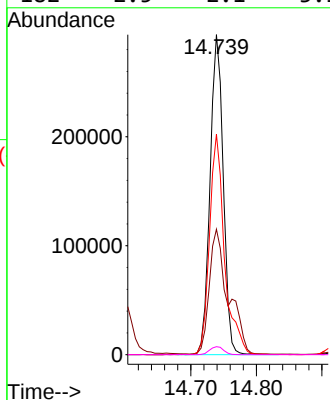
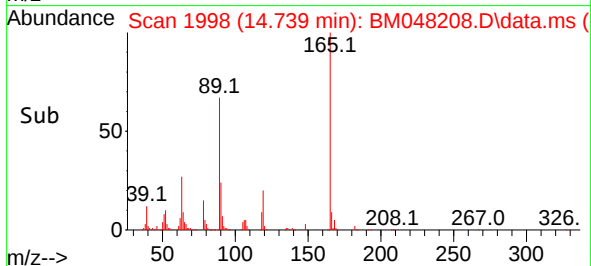
Tgt Ion:165 Resp: 410960  
Ion Ratio Lower Upper  
165 100  
63 39.2 33.0 49.4  
89 68.9 55.8 83.6  
182 2.5 2.1 3.1

Manual Integrations

APPROVED

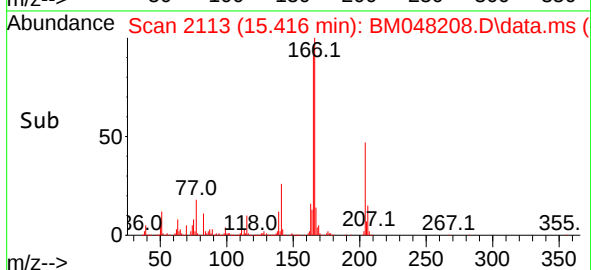
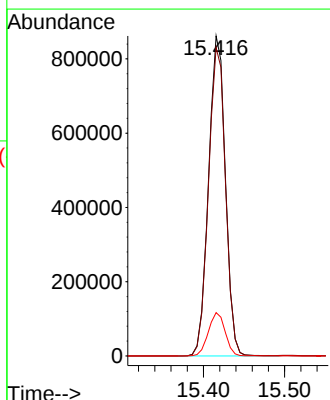
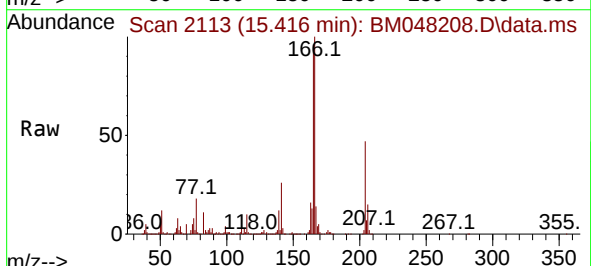
Reviewed By :Yogesh Patel 10/24/2024

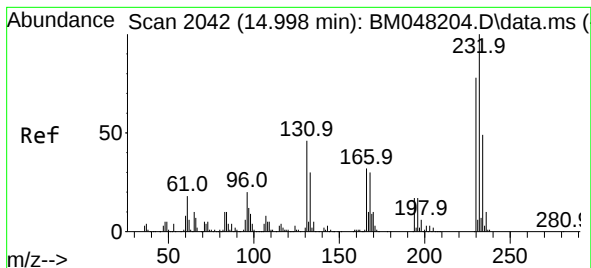
Supervised By :mohammad ahmed 10/24/2024



#58  
Fluorene  
Concen: 41.239 ng  
RT: 15.416 min Scan# 2113  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

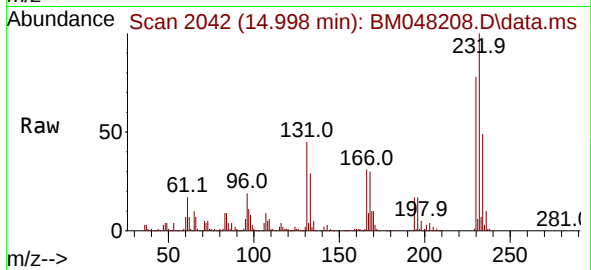
Tgt Ion:166 Resp: 1240427  
Ion Ratio Lower Upper  
166 100  
165 96.3 78.4 117.6  
167 13.6 10.8 16.2





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 42.671 ng  
RT: 14.998 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

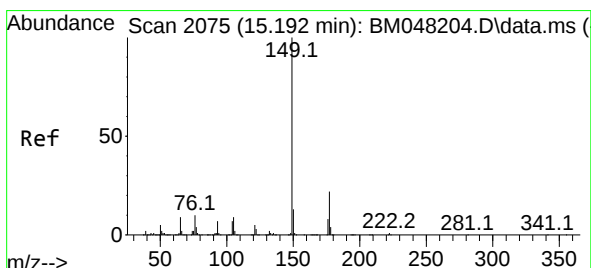
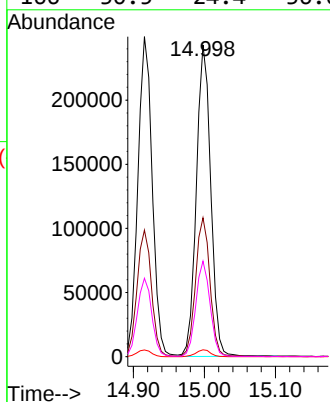
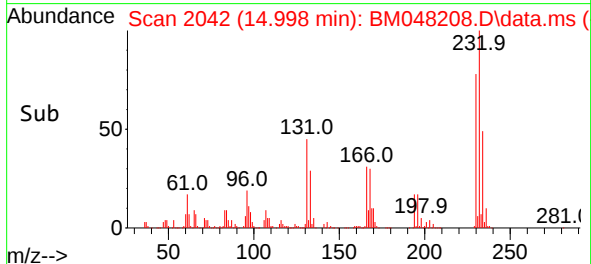
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:232 Resp: 343234  
Ion Ratio Lower Upper  
232 100  
131 44.5 35.5 53.3  
130 2.2 1.8 2.6  
166 30.5 24.4 36.6

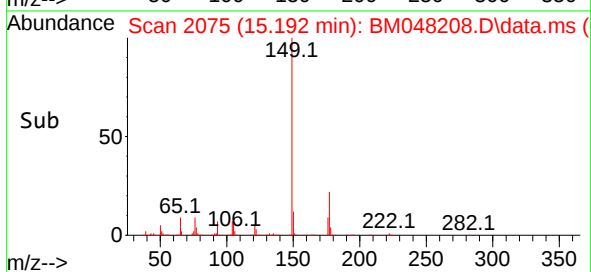
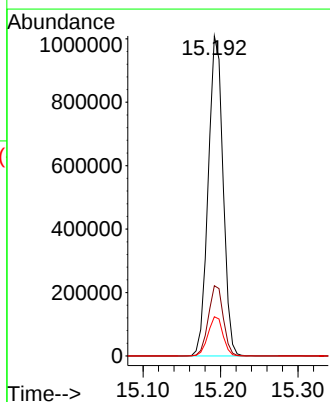
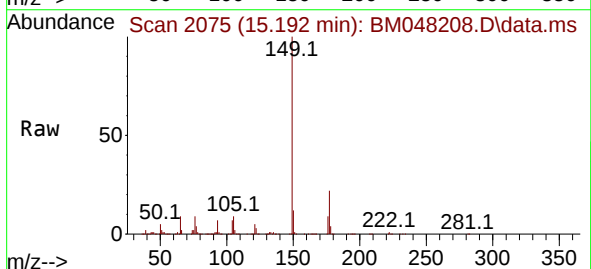
Manual Integrations  
APPROVED

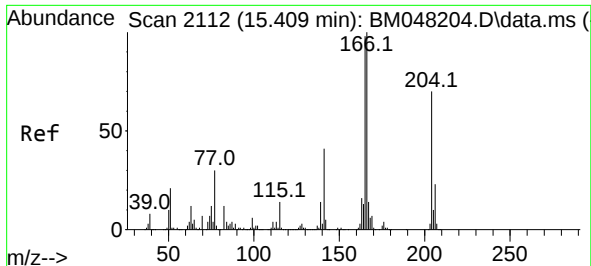
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#60  
Diethylphthalate  
Concen: 42.183 ng  
RT: 15.192 min Scan# 2075  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 1337705  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.5 26.3  
150 12.3 10.1 15.1





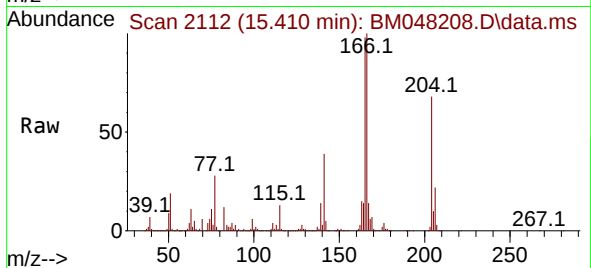
#61  
4-Chlorophenyl-phenylether  
Concen: 41.120 ng  
RT: 15.410 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

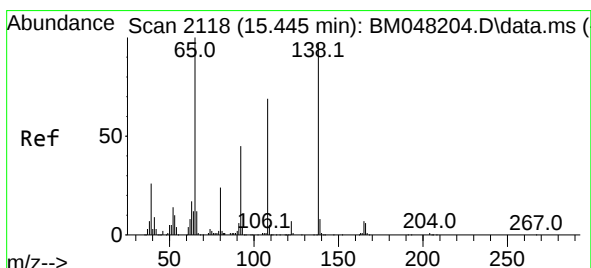
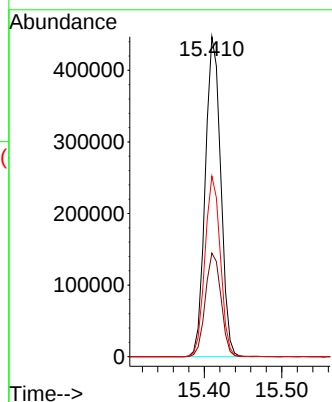
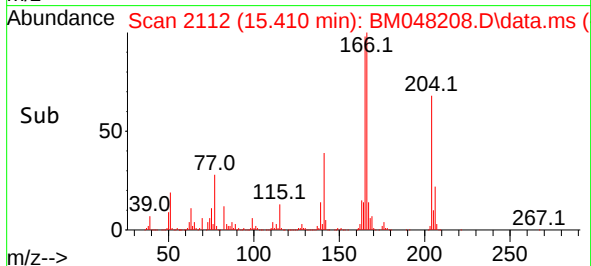


Tgt Ion:204 Resp: 61843  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.2 39.4  
141 56.4 47.0 70.6

Manual Integrations

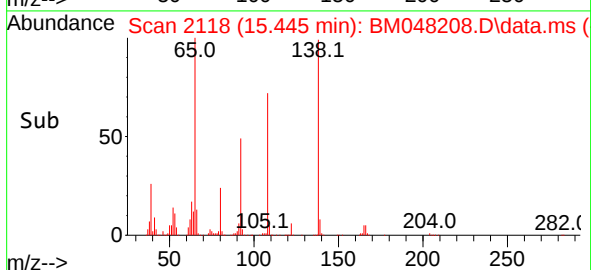
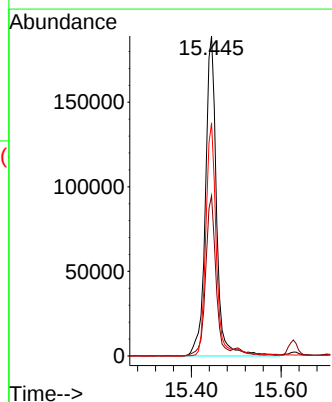
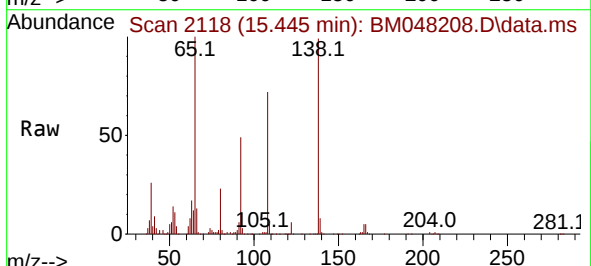
APPROVED

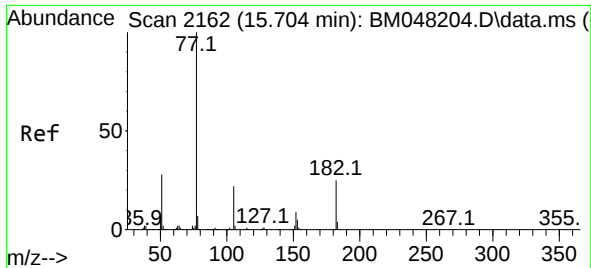
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#62  
4-Nitroaniline  
Concen: 47.619 ng  
RT: 15.445 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:138 Resp: 324799  
Ion Ratio Lower Upper  
138 100  
92 50.1 26.9 66.9  
108 72.8 51.3 91.3





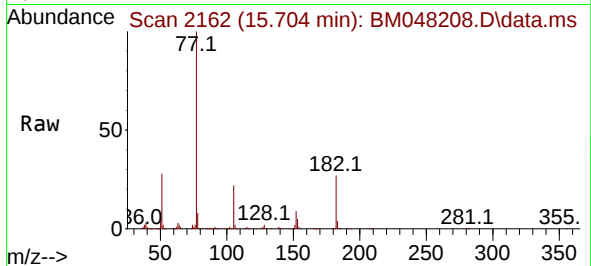
#63  
Azobenzene  
Concen: 42.033 ng  
RT: 15.704 min Scan# 2162  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



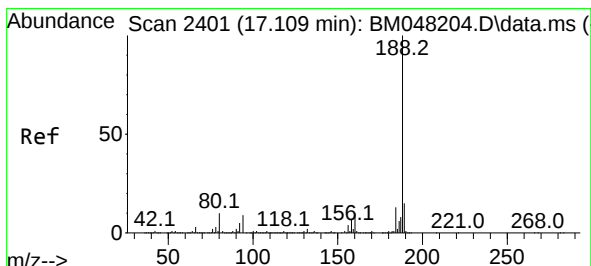
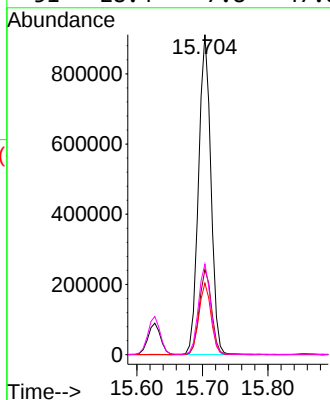
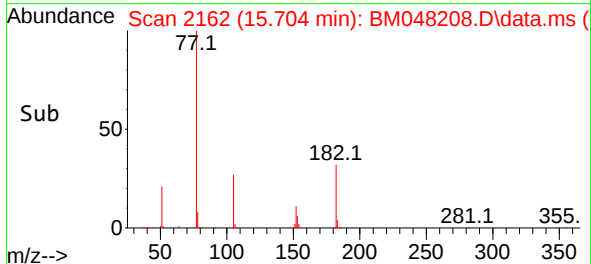
Tgt Ion: 77 Resp: 1194670  
Ion Ratio Lower Upper  
77 100  
182 26.6 5.3 45.3  
105 22.4 1.6 41.6  
51 28.4 7.8 47.8

Manual Integrations

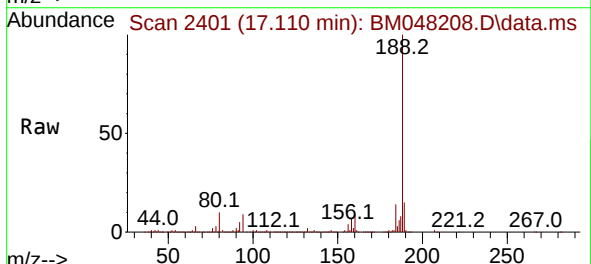
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

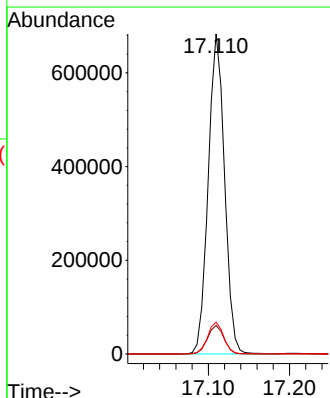
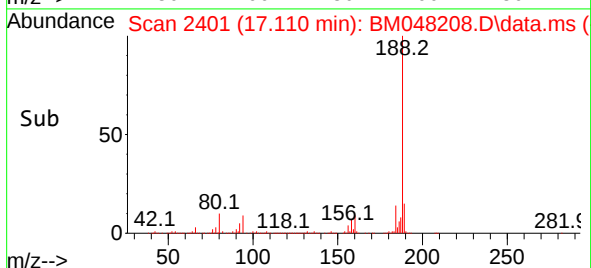
Supervised By :mohammad ahmed 10/24/2024

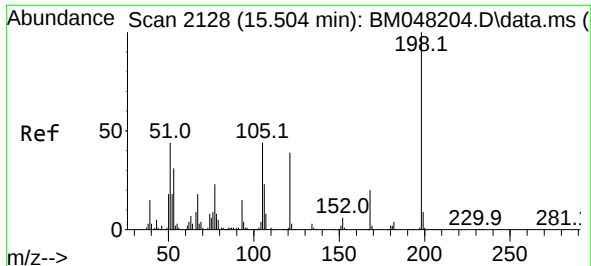


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.110 min Scan# 2401  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



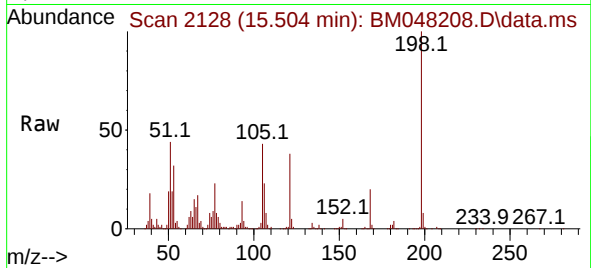
Tgt Ion:188 Resp: 952437  
Ion Ratio Lower Upper  
188 100  
94 8.9 7.3 10.9  
80 9.9 8.0 12.0





#65  
4,6-Dinitro-2-methylphenol  
Concen: 43.670 ng  
RT: 15.504 min Scan# 2128  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

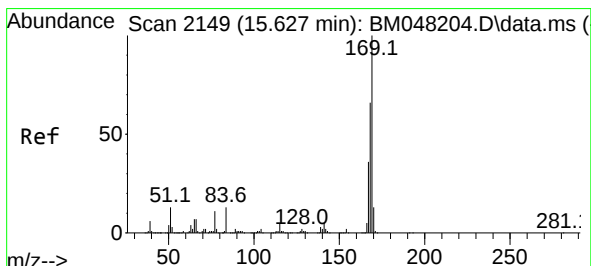
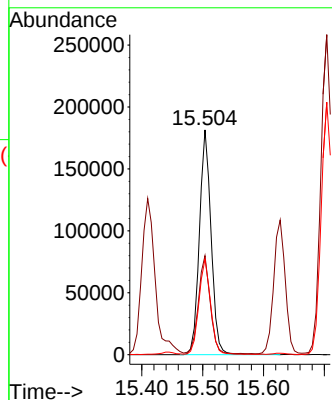
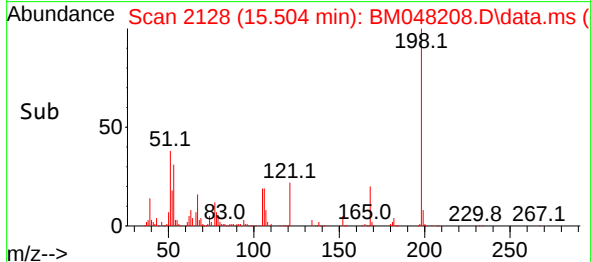
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:198 Resp: 241329  
Ion Ratio Lower Upper  
198 100  
51 44.1 25.4 65.4  
105 42.6 23.9 63.9

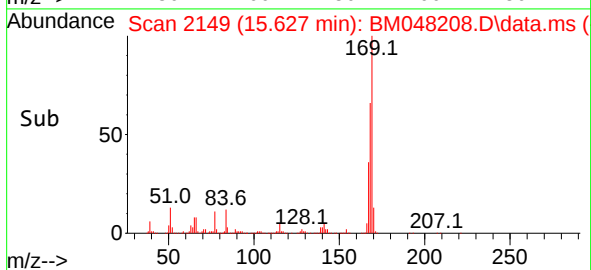
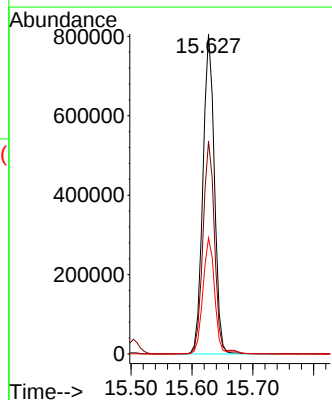
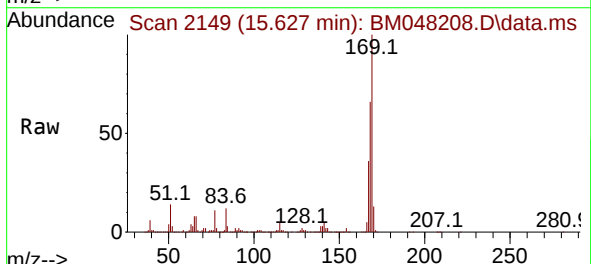
Manual Integrations  
APPROVED

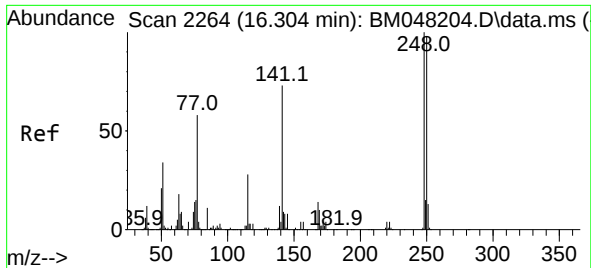
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#66  
n-Nitrosodiphenylamine  
Concen: 40.148 ng  
RT: 15.627 min Scan# 2149  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:169 Resp: 1049716  
Ion Ratio Lower Upper  
169 100  
168 66.4 52.9 79.3  
167 36.2 29.3 43.9





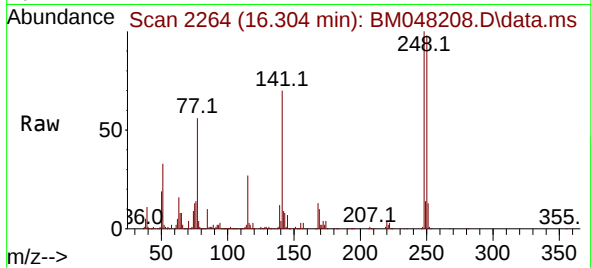
#67  
4-Bromophenyl-phenylether  
Concen: 40.179 ng  
RT: 16.304 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

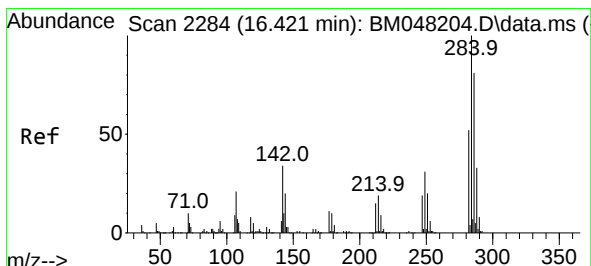
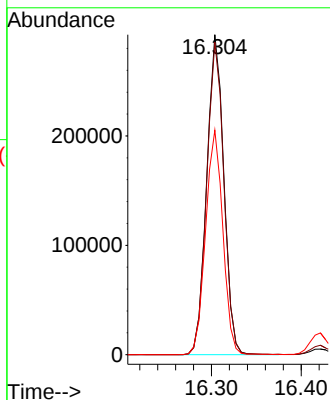
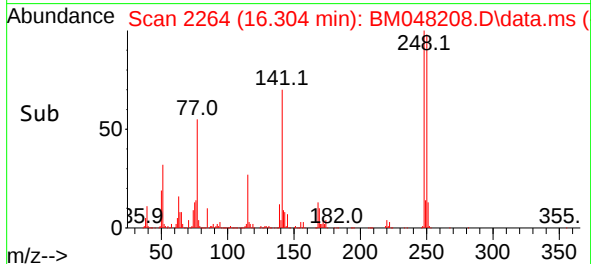


Tgt Ion:248 Resp: 387984  
Ion Ratio Lower Upper  
248 100  
250 97.7 78.3 117.5  
141 70.2 58.0 87.0

Manual Integrations

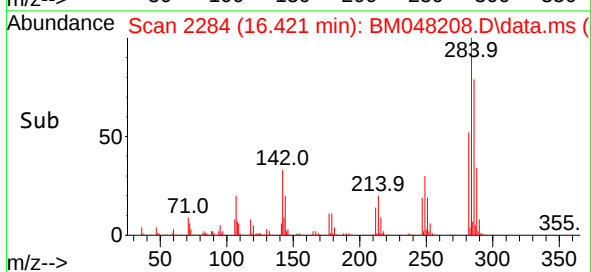
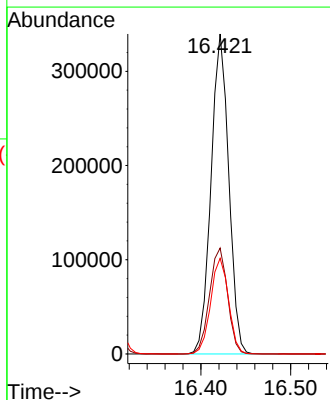
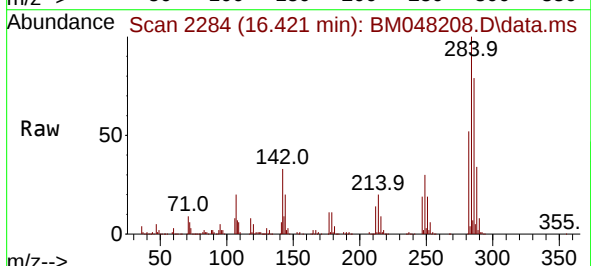
APPROVED

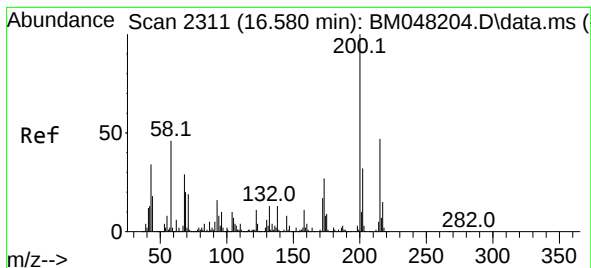
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#68  
Hexachlorobenzene  
Concen: 40.178 ng  
RT: 16.421 min Scan# 2284  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:284 Resp: 465986  
Ion Ratio Lower Upper  
284 100  
142 33.1 27.0 40.4  
249 29.9 24.6 36.8





#69

Atrazine

Concen: 49.108 ng

RT: 16.580 min Scan# 2311

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

Tgt Ion:200 Resp: 35926

Ion Ratio Lower Upper

200 100

173 27.0 6.5 46.5

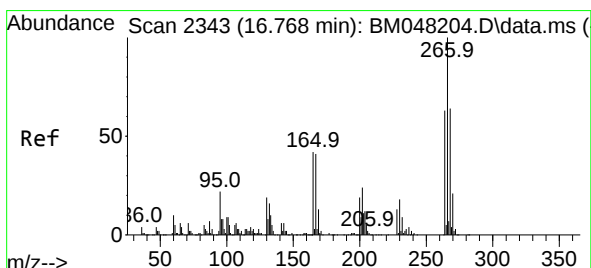
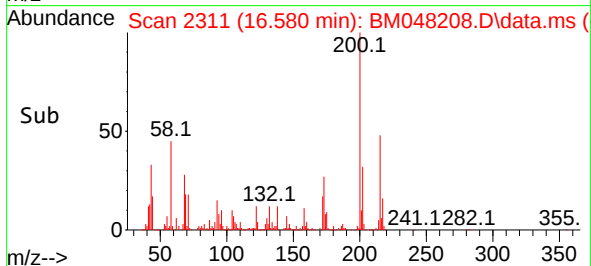
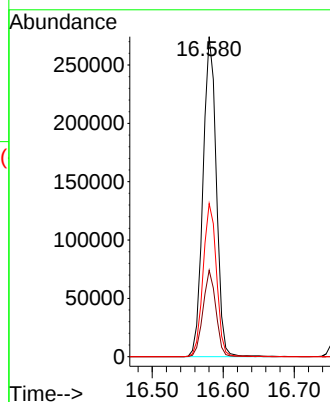
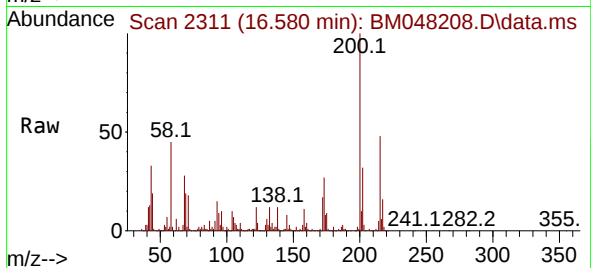
215 47.8 27.2 67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#70

Pentachlorophenol

Concen: 43.445 ng

RT: 16.768 min Scan# 2343

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

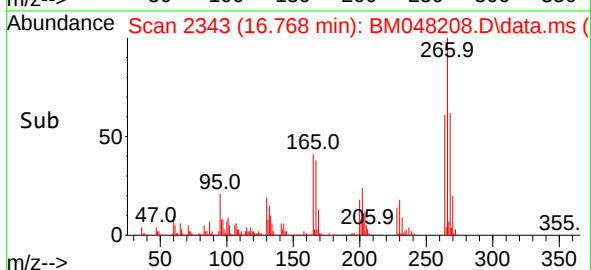
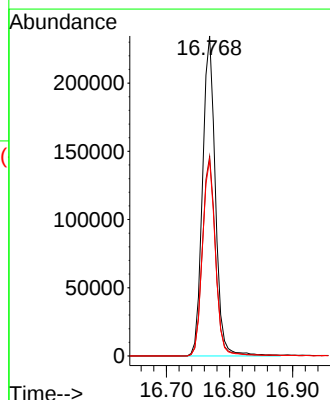
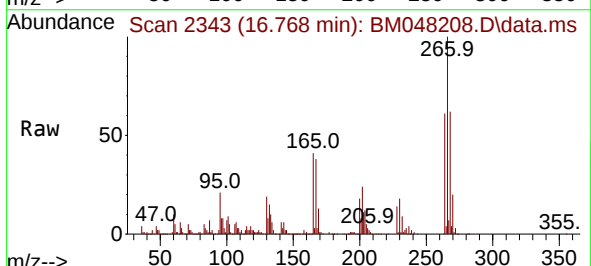
Tgt Ion:266 Resp: 330813

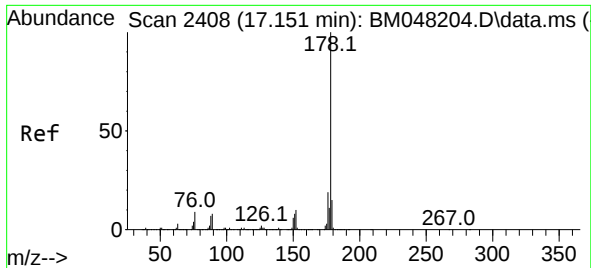
Ion Ratio Lower Upper

266 100

268 62.4 50.8 76.2

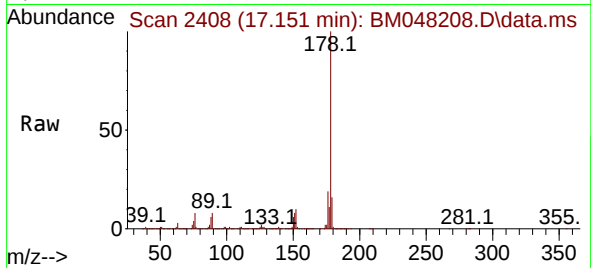
264 61.3 50.2 75.2





#71  
Phenanthrene  
Concen: 40.615 ng  
RT: 17.151 min Scan# 2408  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

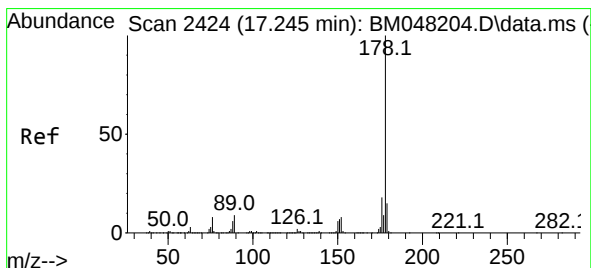
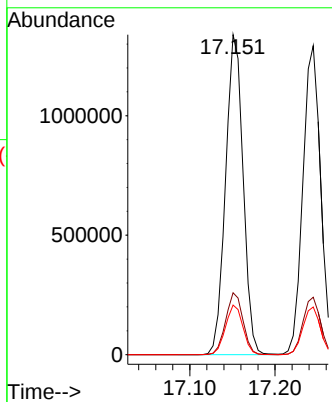
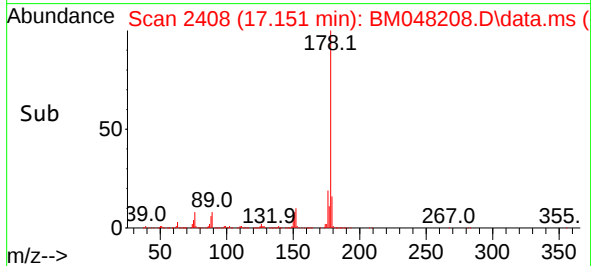
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



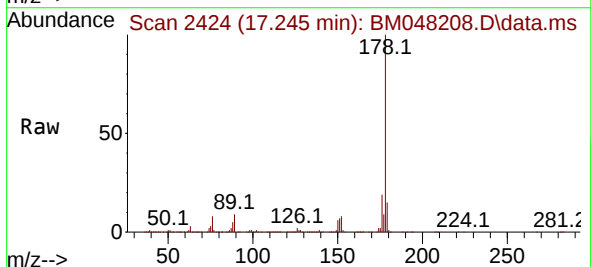
Tgt Ion:178 Resp: 191550  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.4 23.0  
179 15.5 12.4 18.6

Manual Integrations  
APPROVED

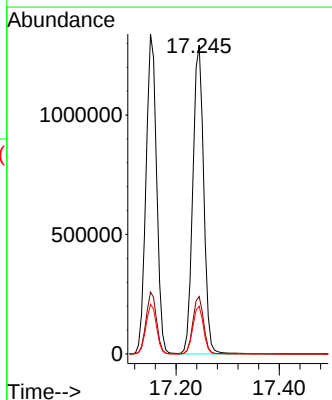
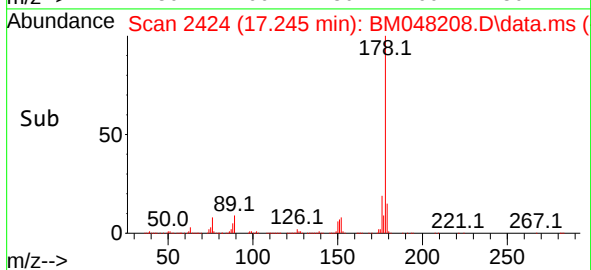
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

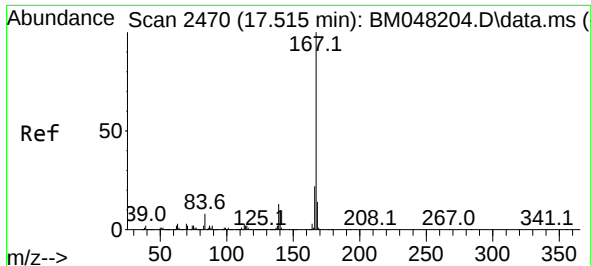


#72  
Anthracene  
Concen: 41.275 ng  
RT: 17.245 min Scan# 2424  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



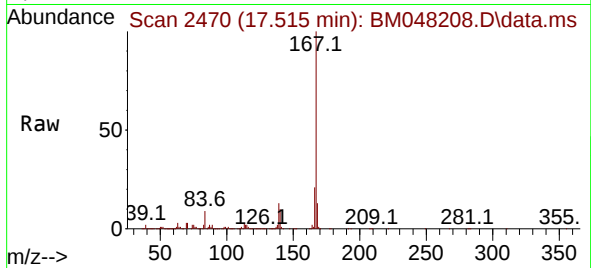
Tgt Ion:178 Resp: 1884398  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.8 22.2  
179 15.4 12.2 18.2





#73  
 Carbazole  
 Concen: 42.204 ng  
 RT: 17.515 min Scan# 2470  
 Delta R.T. 0.000 min  
 Lab File: BM048208.D  
 Acq: 23 Oct 2024 17:46

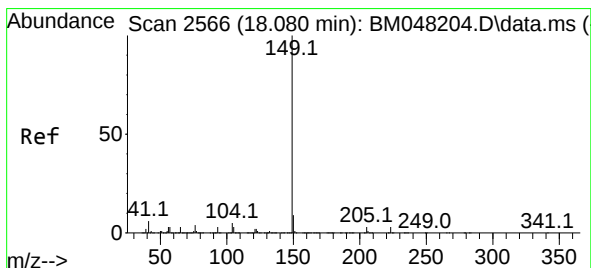
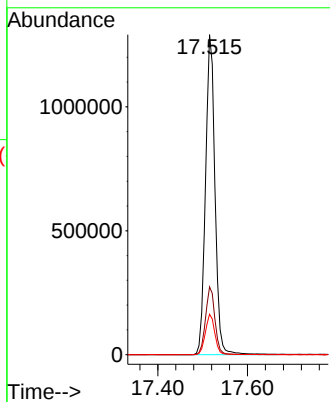
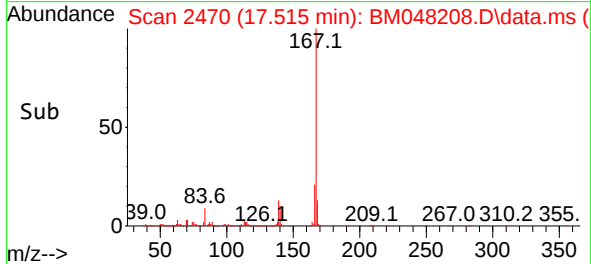
Instrument :  
 BNA\_M  
 ClientSampleId :  
 ICVBM102324



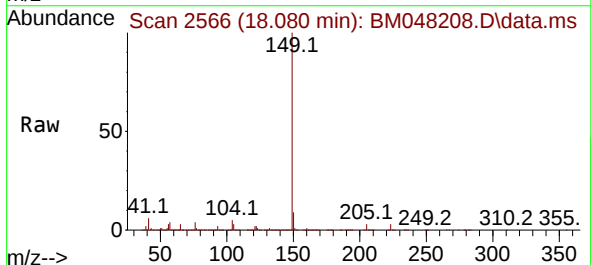
Tgt Ion:167 Resp: 188885  
 Ion Ratio Lower Upper  
 167 100  
 166 21.2 17.2 25.8  
 139 12.7 10.4 15.6

Manual Integrations  
 APPROVED

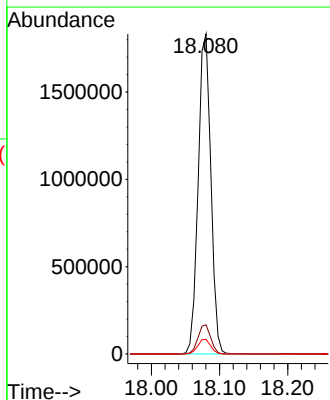
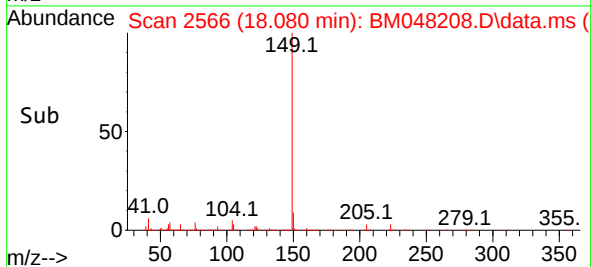
Reviewed By :Yogesh Patel 10/24/2024  
 Supervised By :mohammad ahmed 10/24/2024

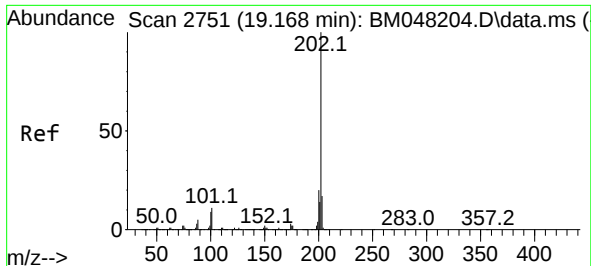


#74  
 Di-n-butylphthalate  
 Concen: 42.401 ng  
 RT: 18.080 min Scan# 2566  
 Delta R.T. 0.000 min  
 Lab File: BM048208.D  
 Acq: 23 Oct 2024 17:46



Tgt Ion:149 Resp: 2362092  
 Ion Ratio Lower Upper  
 149 100  
 150 9.1 7.2 10.8  
 104 4.5 3.8 5.6





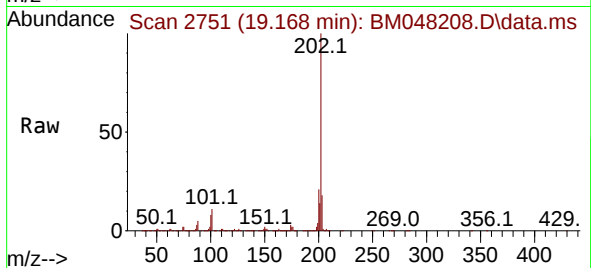
#75  
Fluoranthene  
Concen: 41.189 ng  
RT: 19.168 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



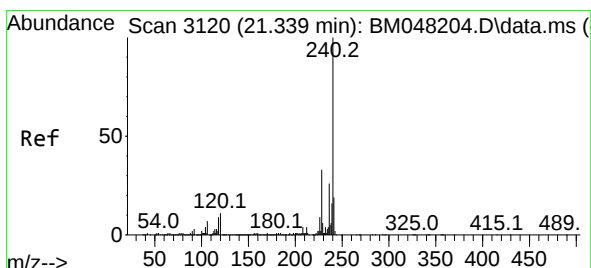
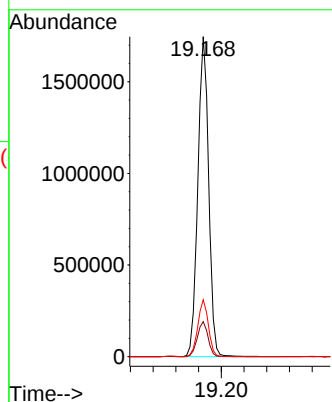
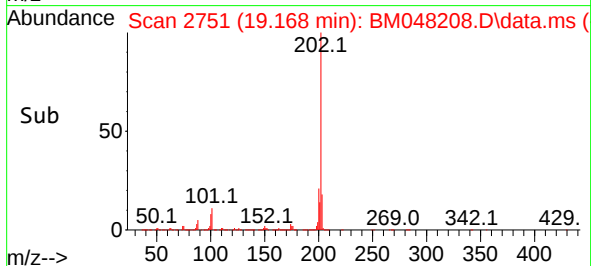
Tgt Ion:202 Resp: 231720  
Ion Ratio Lower Upper  
202 100  
101 11.0 0.0 31.0  
203 17.8 0.0 37.5

Manual Integrations

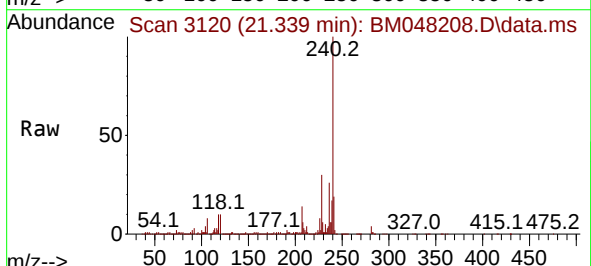
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

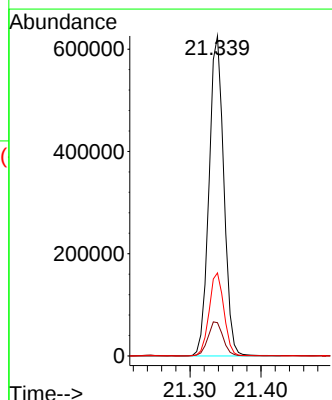
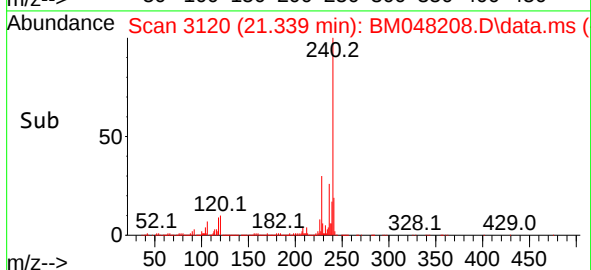
Supervised By :mohammad ahmed 10/24/2024

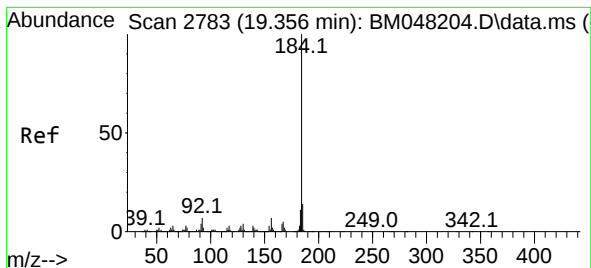


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.339 min Scan# 3120  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



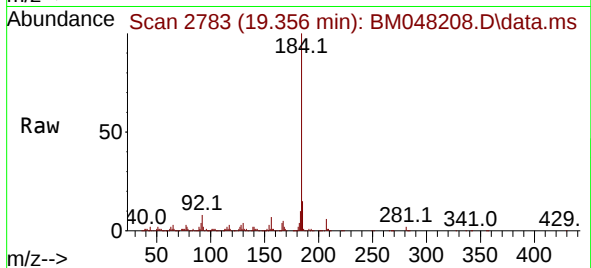
Tgt Ion:240 Resp: 906115  
Ion Ratio Lower Upper  
240 100  
120 10.4 8.6 13.0  
236 25.9 20.7 31.1





#77  
Benzidine  
Concen: 40.617 ng  
RT: 19.356 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

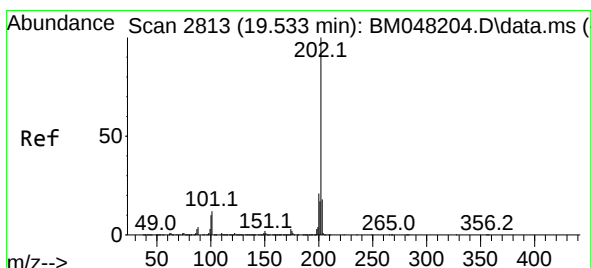
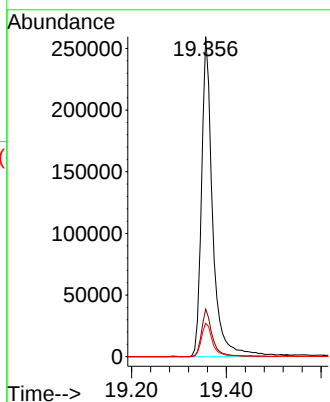
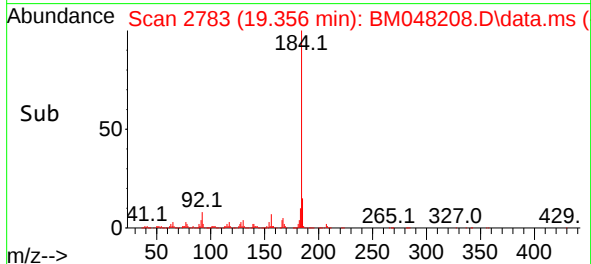
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



Tgt Ion:184 Resp: 424740  
Ion Ratio Lower Upper  
184 100  
185 14.8 11.4 17.0  
183 10.5 9.0 13.4

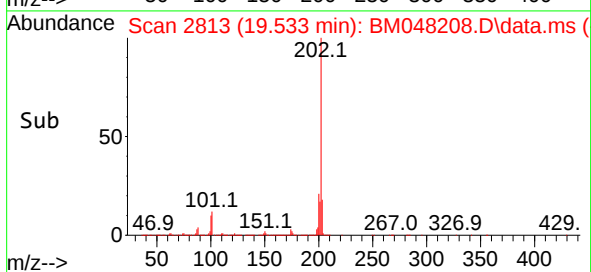
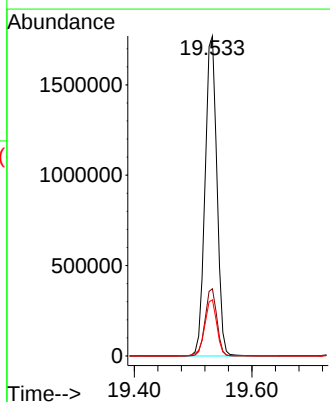
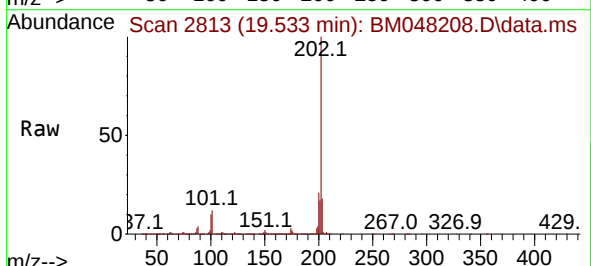
Manual Integrations  
APPROVED

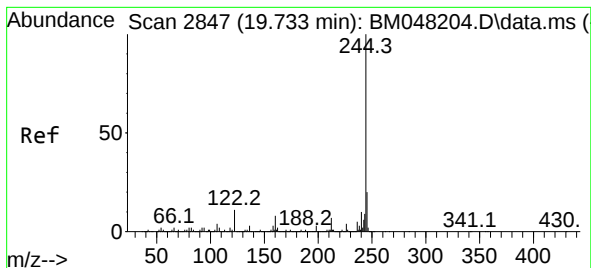
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024



#78  
Pyrene  
Concen: 40.650 ng  
RT: 19.533 min Scan# 2813  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Tgt Ion:202 Resp: 2465408  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.9 25.3  
203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 81.390 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM048208.D

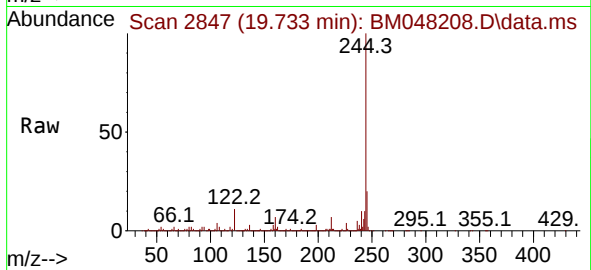
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



Tgt Ion:244 Resp: 361382

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

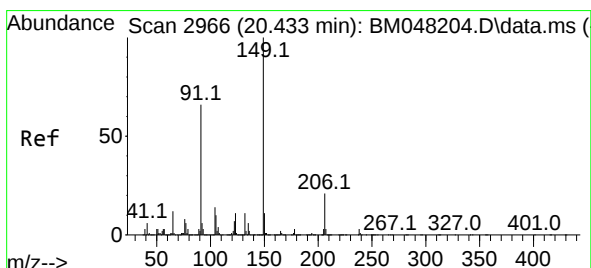
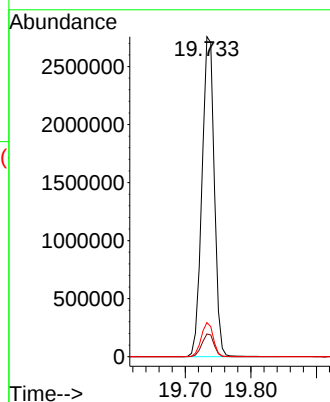
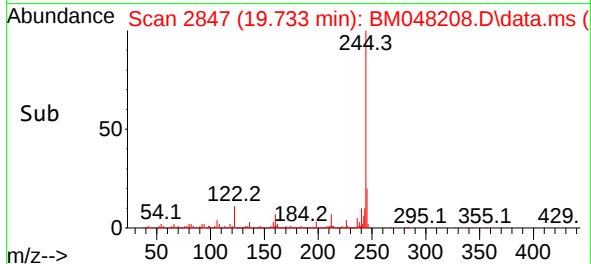
122 10.7 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#80

Butylbenzylphthalate

Concen: 42.969 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

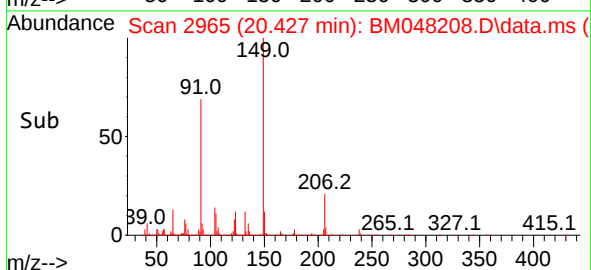
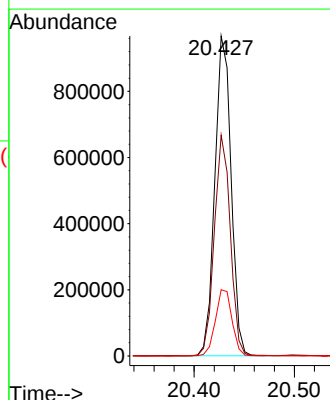
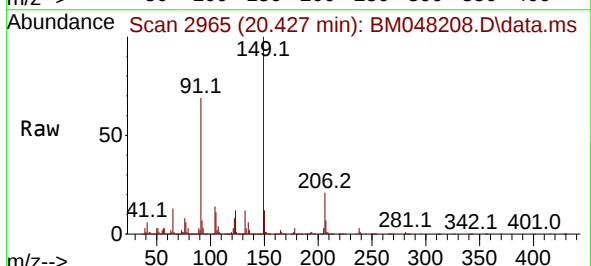
Tgt Ion:149 Resp: 1089760

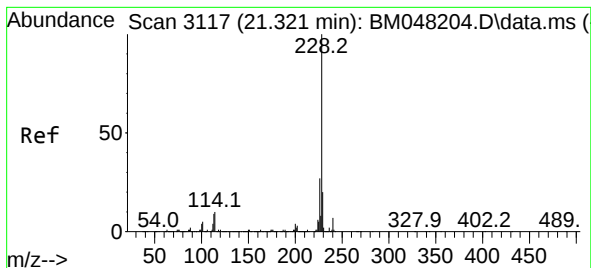
Ion Ratio Lower Upper

149 100

91 69.0 52.5 78.7

206 20.7 17.0 25.6





#81

Benzo(a)anthracene

Concen: 40.829 ng

RT: 21.321 min Scan# 3117

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

Tgt Ion:228 Resp: 236413

Ion Ratio Lower Upper

228 100

226 27.3 21.5 32.3

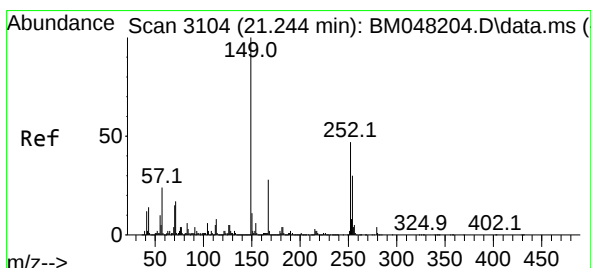
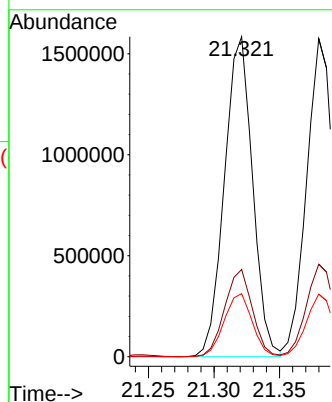
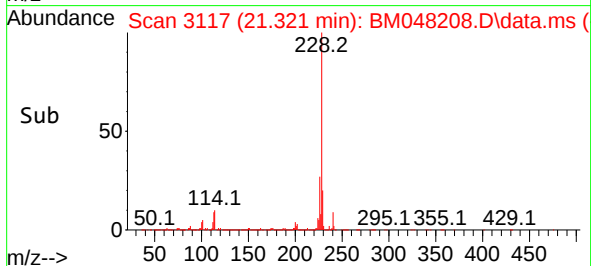
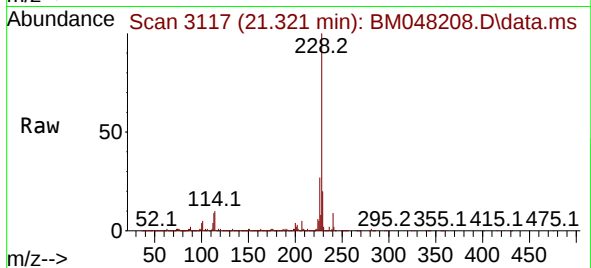
229 19.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.007 ng

RT: 21.245 min Scan# 3104

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

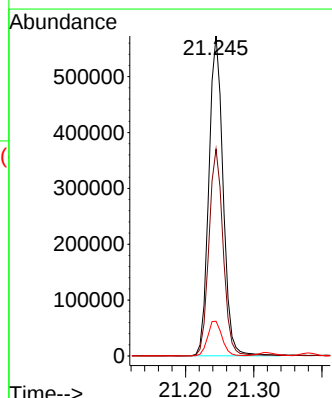
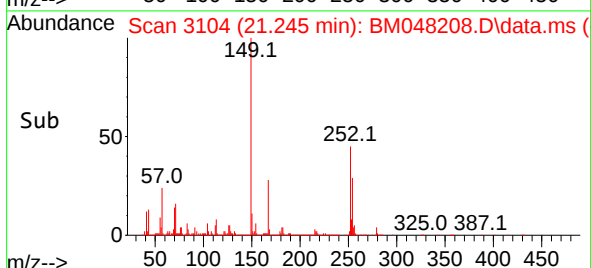
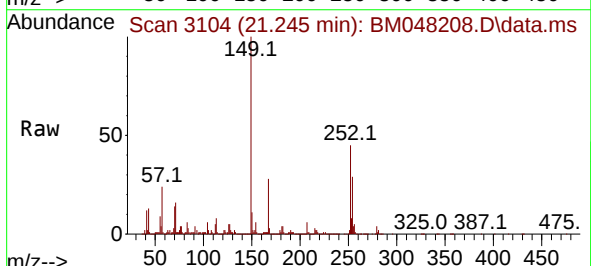
Tgt Ion:252 Resp: 833151

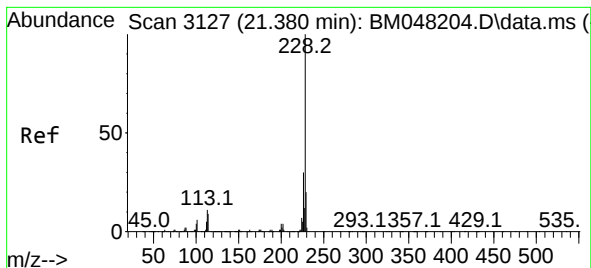
Ion Ratio Lower Upper

252 100

254 64.7 51.8 77.8

126 10.8 8.8 13.2





#83

Chrysene

Concen: 40.707 ng

RT: 21.380 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324

Tgt Ion:228 Resp: 2262449

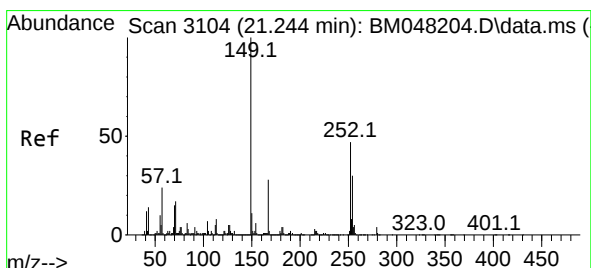
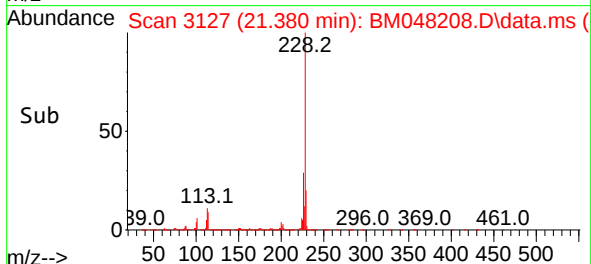
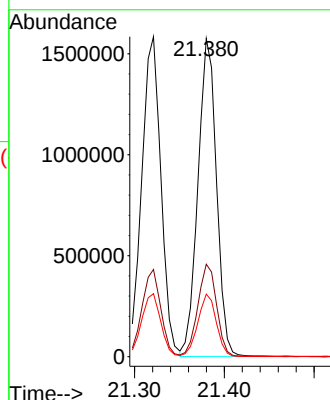
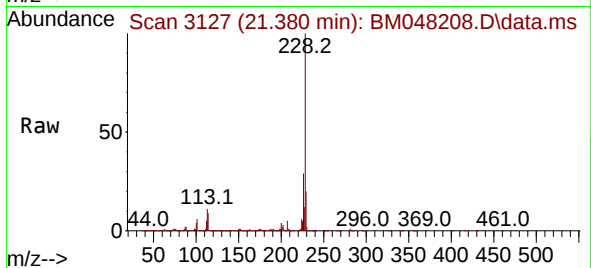
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.1  | 23.5  | 35.3  |
| 229 | 19.7  | 15.7  | 23.5  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 43.186 ng

RT: 21.245 min Scan# 3104

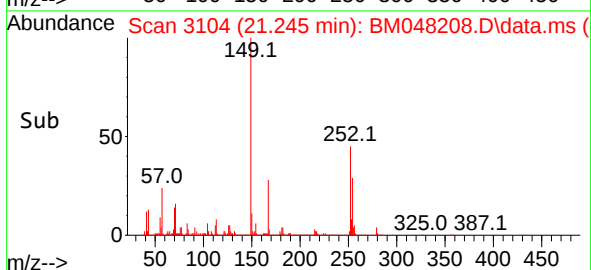
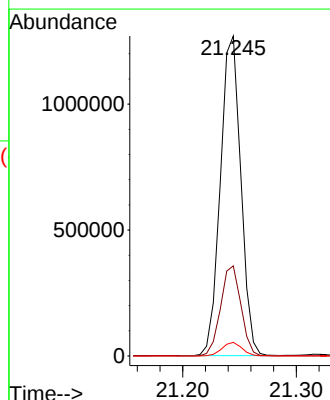
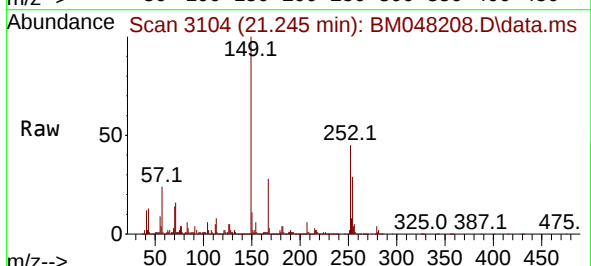
Delta R.T. 0.000 min

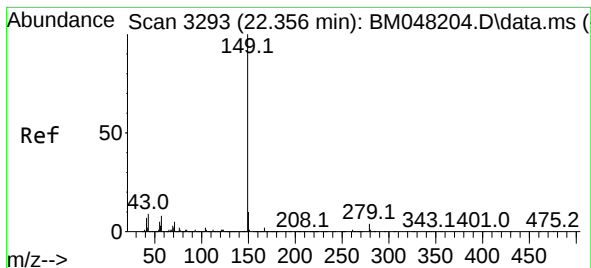
Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

Tgt Ion:149 Resp: 1591892

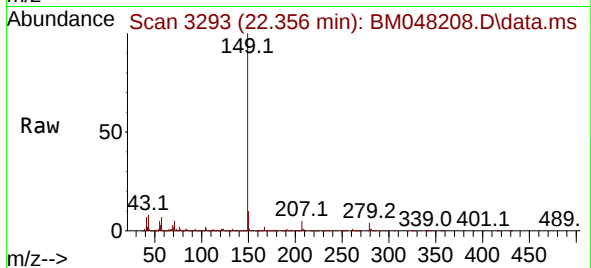
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.2  | 22.5  | 33.7  |
| 279 | 4.2   | 3.3   | 4.9   |





#85  
Di-n-octyl phthalate  
Concen: 43.588 ng  
RT: 22.356 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

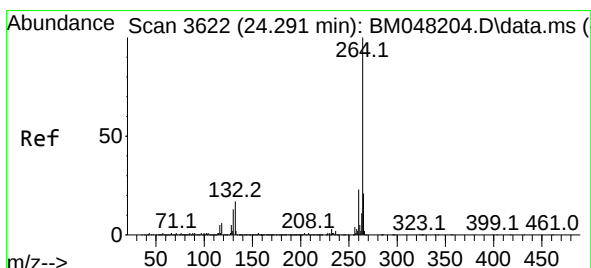
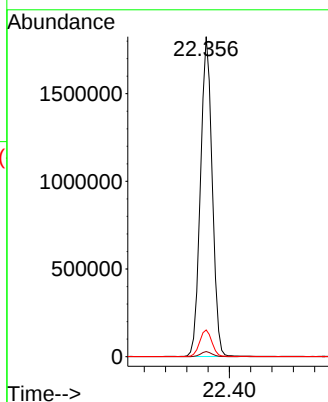
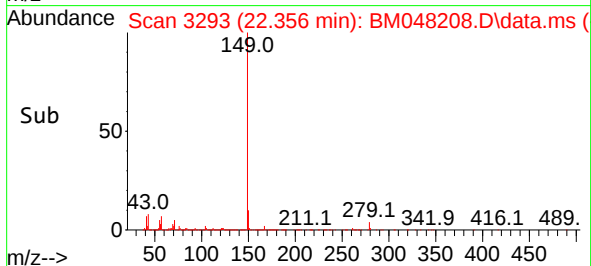
Instrument :  
BNA\_M  
ClientSampleId :  
ICVBM102324



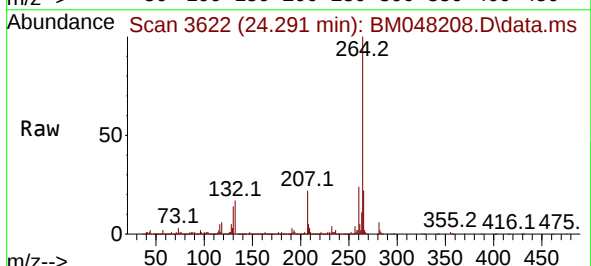
Tgt Ion:149 Resp: 2782680  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.2 1.8  
43 8.6 7.3 10.9

Manual Integrations  
APPROVED

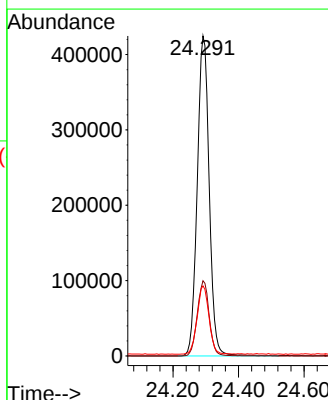
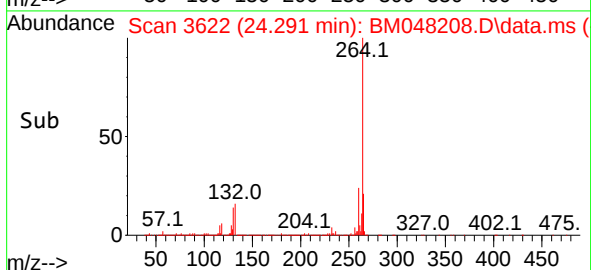
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

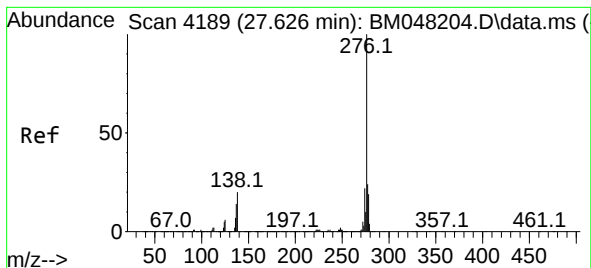


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.291 min Scan# 3622  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:264 Resp: 1077278  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.6 27.8  
265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.250 ng

RT: 27.632 min Scan# 4189

Delta R.T. 0.006 min

Lab File: BM048208.D

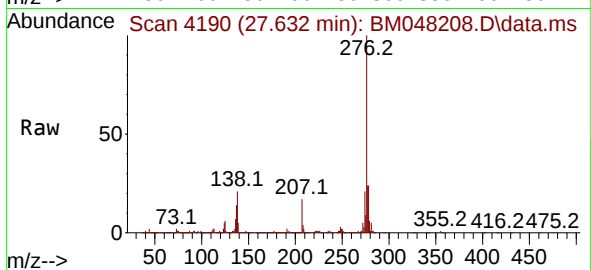
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



Tgt Ion:276 Resp: 293854

Ion Ratio Lower Upper

276 100

138 24.8 19.8 29.6

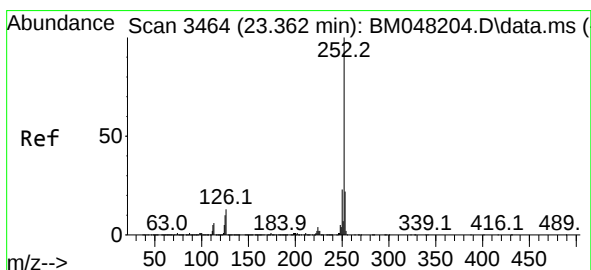
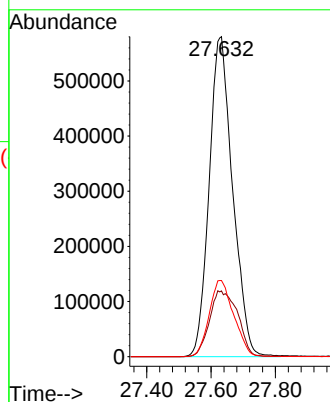
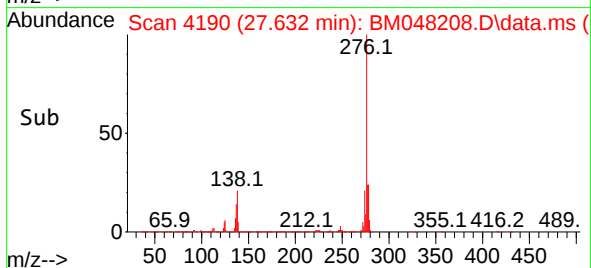
277 25.0 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#88

Benzo(b)fluoranthene

Concen: 41.010 ng

RT: 23.362 min Scan# 3464

Delta R.T. 0.000 min

Lab File: BM048208.D

Acq: 23 Oct 2024 17:46

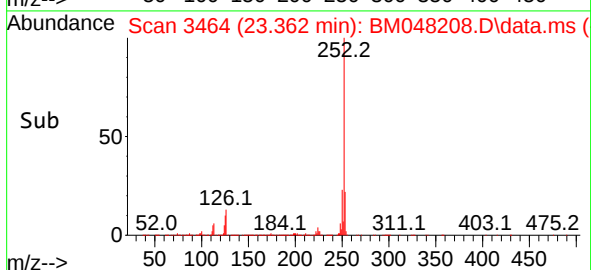
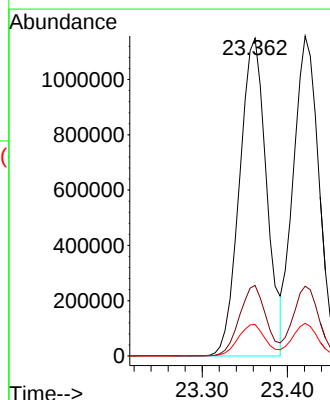
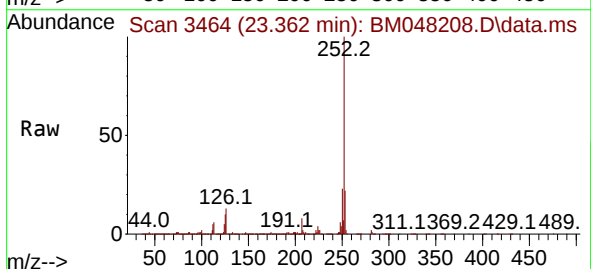
Tgt Ion:252 Resp: 2533061

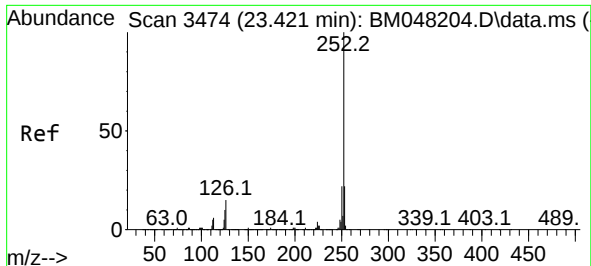
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.9 7.9 11.9





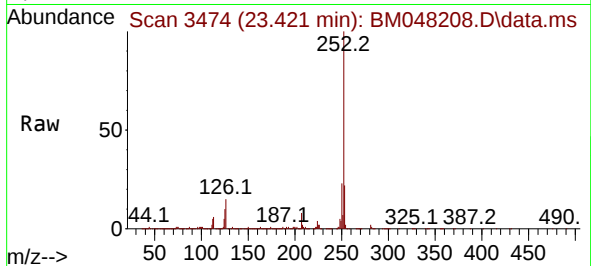
#89  
Benzo(k)fluoranthene  
Concen: 40.410 ng  
RT: 23.421 min Scan# 3474  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

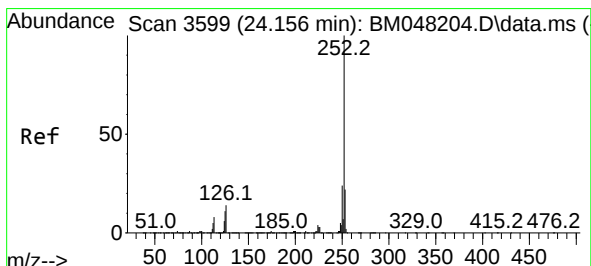
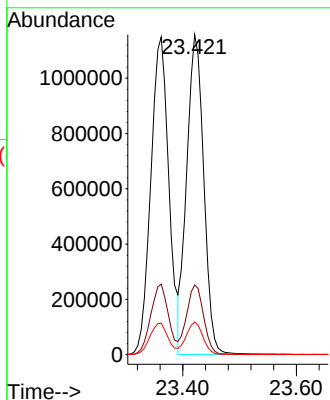
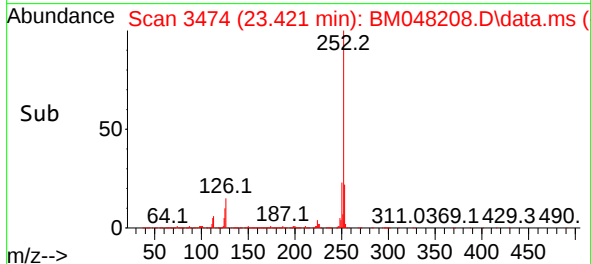
ICVBM102324



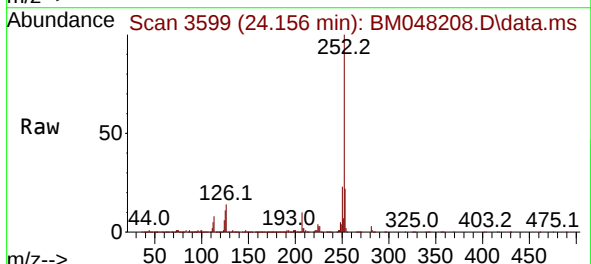
Tgt Ion:252 Resp: 2413239  
Ion Ratio Lower Upper  
252 100  
253 21.8 17.8 26.8  
125 10.2 7.8 11.6

Manual Integrations  
APPROVED

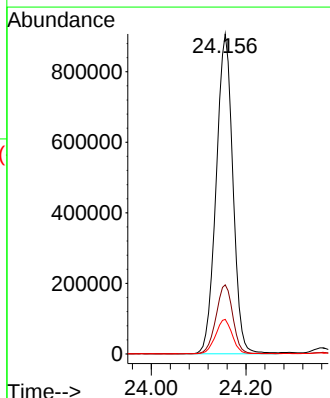
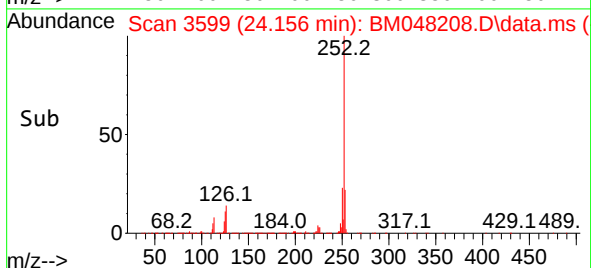
Reviewed By :Yogesh Patel 10/24/2024  
Supervised By :mohammad ahmed 10/24/2024

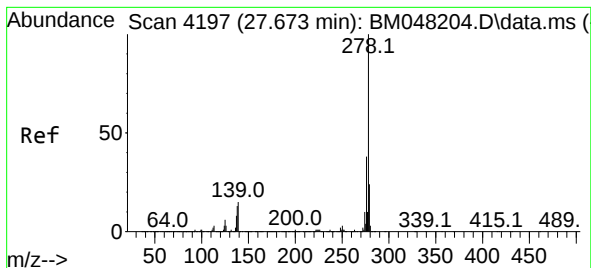


#90  
Benzo(a)pyrene  
Concen: 41.334 ng  
RT: 24.156 min Scan# 3599  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:252 Resp: 2219583  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.3 25.9  
125 10.8 8.8 13.2





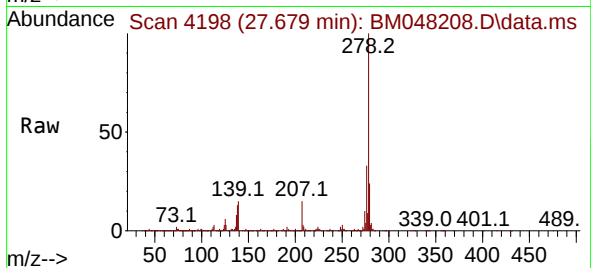
#91  
Dibenzo(a,h)anthracene  
Concen: 41.249 ng  
RT: 27.679 min Scan# 4197  
Delta R.T. 0.006 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46

Instrument :

BNA\_M

ClientSampleId :

ICVBM102324



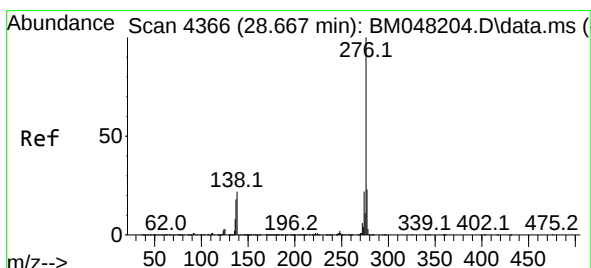
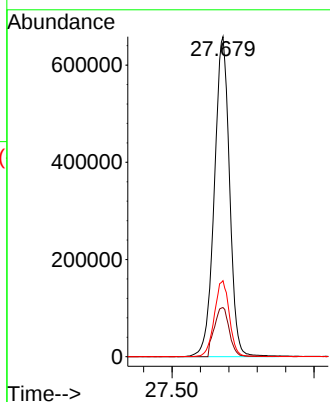
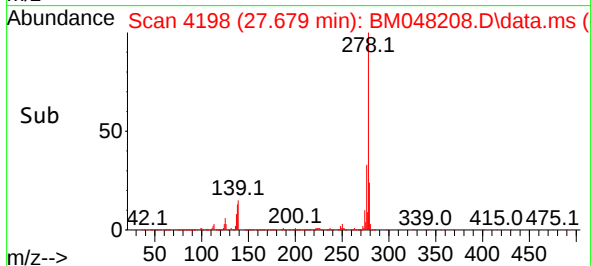
Tgt Ion:278 Resp: 2446970  
Ion Ratio Lower Upper  
278 100  
139 15.4 12.2 18.4  
279 23.7 19.0 28.6

Manual Integrations

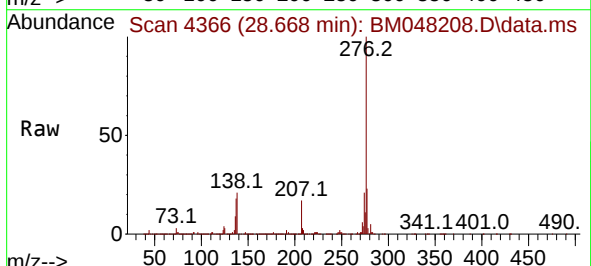
APPROVED

Reviewed By :Yogesh Patel 10/24/2024

Supervised By :mohammad ahmed 10/24/2024



#92  
Benzo(g,h,i)perylene  
Concen: 40.968 ng  
RT: 28.668 min Scan# 4366  
Delta R.T. 0.000 min  
Lab File: BM048208.D  
Acq: 23 Oct 2024 17:46



Tgt Ion:276 Resp: 2488676  
Ion Ratio Lower Upper  
276 100  
277 23.3 18.5 27.7  
138 21.0 17.5 26.3

