

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120224\  
 Data File : BF140695.D  
 Acq On : 02 Dec 2024 18:05  
 Operator : RC/JU  
 Sample : P5005-02MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD

Quant Time: Dec 03 00:04:23 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 79872    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 306759   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 176975   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.398 | 188  | 336744   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 200045   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 168091   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 629343   | 134.439 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 797549   | 128.871 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.433  | 82   | 571131   | 95.233  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 279072   | 147.442 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.227  | 172  | 1096718  | 92.332  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 1217400  | 94.761  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.828  | 88   | 91011    | 46.240  | ng    | # 83     |
| 3) Pyridine                   | 3.557  | 79   | 178767   | 41.281  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 122204   | 48.014  | ng    | 89       |
| 6) Aniline                    | 6.539  | 93   | 132780   | 30.482  | ng    | # 75     |
| 8) 2-Chlorophenol             | 6.663  | 128  | 265603   | 52.738  | ng    | 96       |
| 9) Benzaldehyde               | 6.428  | 77   | 20171    | 6.157   | ng    | 99       |
| 10) Phenol                    | 6.528  | 94   | 310498   | 49.128  | ng    | 89       |
| 11) bis(2-Chloroethyl)ether   | 6.604  | 93   | 248986   | 51.481  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 252140   | 44.555  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 259257   | 45.246  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 245416   | 45.708  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 256932   | 55.982  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 302104   | 52.874  | ng    | 78       |
| 17) 2-Methylphenol            | 7.134  | 107  | 217546   | 53.961  | ng    | 98       |
| 18) Hexachloroethane          | 7.381  | 117  | 94972    | 44.378  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.286  | 70   | 192441   | 52.615  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 286001   | 55.192  | ng    | 93       |
| 22) Acetophenone              | 7.281  | 105  | 375707   | 50.237  | ng    | 96       |
| 24) Nitrobenzene              | 7.457  | 77   | 298019   | 48.081  | ng    | 97       |
| 25) Isophorone                | 7.692  | 82   | 548749   | 54.859  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.769  | 139  | 145198   | 52.861  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 231265m  | 70.368  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.898  | 93   | 325224   | 53.370  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 241136   | 55.372  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 230797   | 46.417  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 774818   | 49.037  | ng    | 100      |
| 32) Benzoic acid              | 7.951  | 122  | 151784   | 52.312  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 89383    | 18.894  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 145402   | 44.149  | ng    | 98       |
| 35) Caprolactam               | 8.604  | 113  | 69934m   | 51.892  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 274806   | 56.361  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 531404   | 52.950  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 496655   | 50.487  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.027  | 216  | 260959   | 50.369  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 201048   | 164.194 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 175571   | 54.005  | ng    | 98       |

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 Sample : P5005-02MSD  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD

Manual Integrations  
 APPROVED

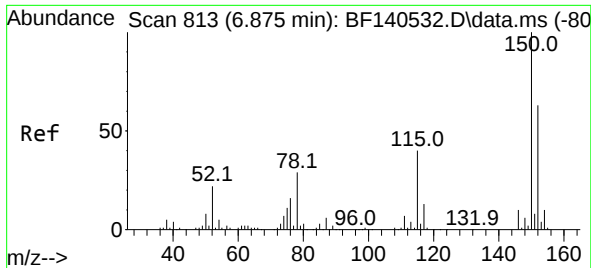
Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

Quant Time: Dec 03 00:04:23 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112124.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 15:23:48 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.198  | 196  | 189741   | 53.778  | ng    | 96       |
| 46) 1,1'-Biphenyl             | 9.327  | 154  | 680379   | 51.493  | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 507039   | 50.644  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 178640   | 55.589  | ng    | 96       |
| 49) Acenaphthylene            | 9.769  | 152  | 854462   | 56.485  | ng    | 100      |
| 50) Dimethylphthalate         | 9.627  | 163  | 656836   | 56.354  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 141717   | 53.612  | ng    | 93       |
| 52) Acenaphthene              | 9.945  | 154  | 516156   | 53.701  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 85862    | 33.211  | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 9.986  | 184  | 156924   | 111.238 | ng    | 92       |
| 55) Dibenzofuran              | 10.116 | 168  | 782849   | 53.397  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.045 | 139  | 171586   | 97.314  | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 197066   | 56.094  | ng    | 98       |
| 58) Fluorene                  | 10.457 | 166  | 630558   | 53.583  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 167405   | 61.737  | ng    | 93       |
| 60) Diethylphthalate          | 10.327 | 149  | 641097   | 54.137  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 306939   | 53.148  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 146126   | 53.890  | ng    | 94       |
| 63) Azobenzene                | 10.610 | 77   | 615003   | 54.840  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 107078   | 62.227  | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 10.569 | 169  | 554790   | 55.711  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 187354   | 54.024  | ng    | 96       |
| 68) Hexachlorobenzene         | 11.010 | 284  | 211306   | 52.622  | ng    | 100      |
| 69) Atrazine                  | 11.098 | 200  | 164626   | 58.764  | ng    | 99       |
| 70) Pentachlorophenol         | 11.210 | 266  | 198690   | 112.423 | ng    | 99       |
| 71) Phenanthrene              | 11.427 | 178  | 901870   | 55.716  | ng    | 99       |
| 72) Anthracene                | 11.474 | 178  | 926836   | 58.535  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 850116   | 55.810  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 982367   | 55.862  | ng    | 100      |
| 75) Fluoranthene              | 12.616 | 202  | 994496   | 56.586  | ng    | 99       |
| 77) Benzidine                 | 12.739 | 184  | 46272    | 7.956   | ng    | 98       |
| 78) Pyrene                    | 12.845 | 202  | 1015492  | 54.901  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.457 | 149  | 385256   | 57.818  | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 766780   | 57.904  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 141767   | 35.657  | ng    | 100      |
| 83) Chrysene                  | 14.074 | 228  | 684899   | 56.564  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.010 | 149  | 499259   | 59.339  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 699052   | 60.795  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.056 | 276  | 603719   | 55.112  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 612688   | 58.031  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 507845   | 54.966  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.480 | 252  | 518106   | 60.353  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene    | 17.068 | 278  | 488360   | 54.437  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.509 | 276  | 459711   | 50.217  | ng    | 97       |

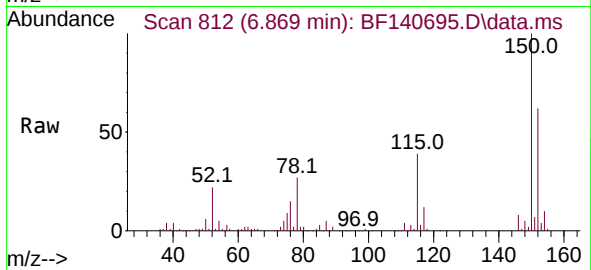
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.869 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

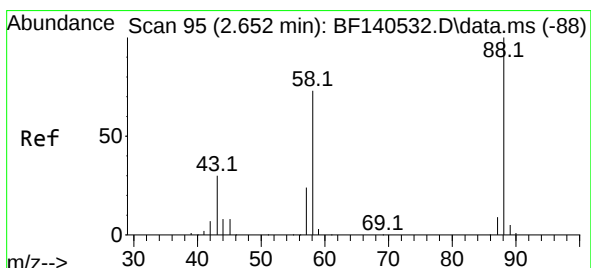
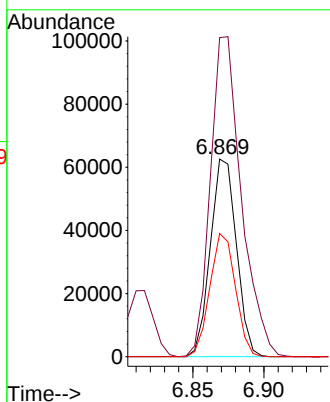
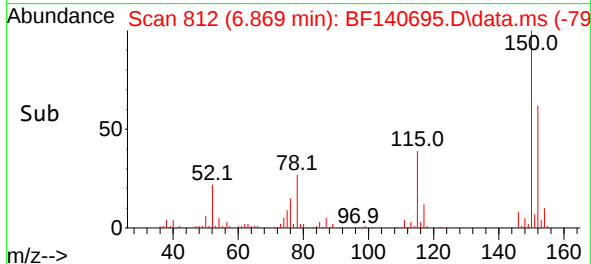
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:152 Resp: 79872  
Ion Ratio Lower Upper  
152 100  
150 161.4 128.5 192.7  
115 62.4 50.2 75.4

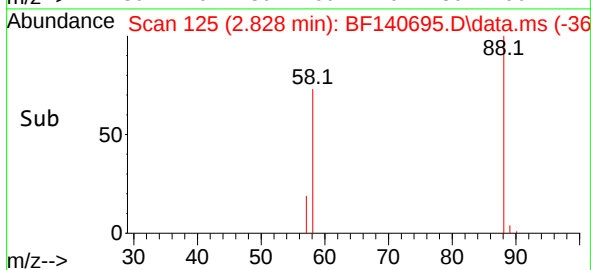
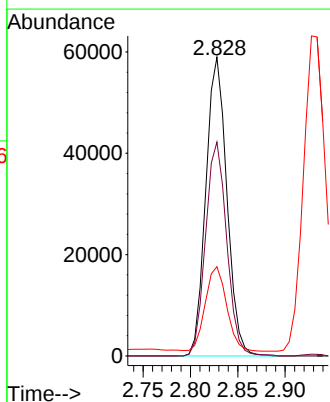
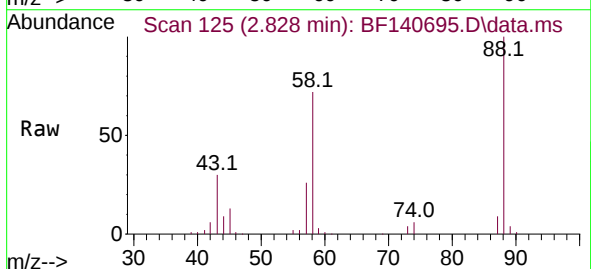
Manual Integrations  
APPROVED

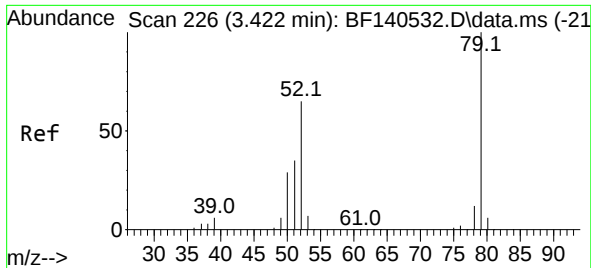
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#2  
1,4-Dioxane  
Concen: 46.240 ng  
RT: 2.828 min Scan# 125  
Delta R.T. 0.176 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion: 88 Resp: 91011  
Ion Ratio Lower Upper  
88 100  
58 72.0 57.4 86.2  
43 0.0 24.3 36.5





#3

Pyridine

Concen: 41.281 ng

RT: 3.557 min Scan# 249

Delta R.T. 0.135 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion: 79 Resp: 17876

Ion Ratio Lower Upper

79 100

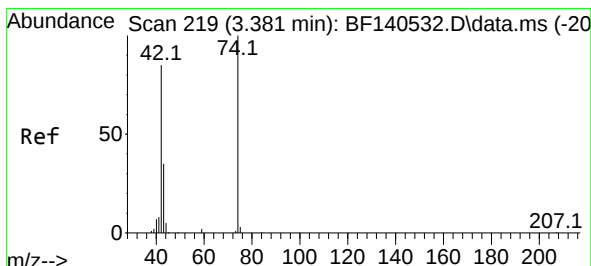
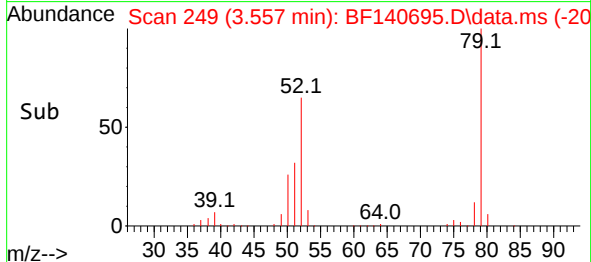
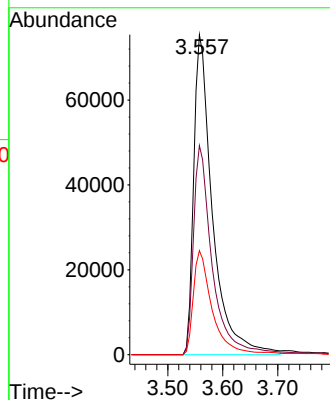
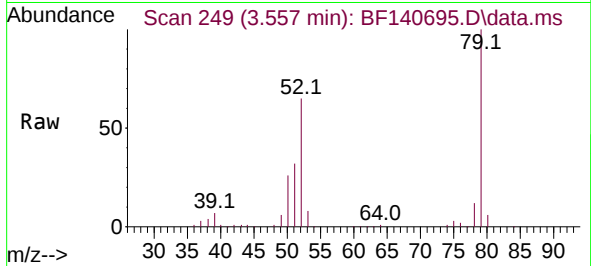
52 65.3 52.1 78.1

51 32.5 27.8 41.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#4

n-Nitrosodimethylamine

Concen: 48.014 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.100 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

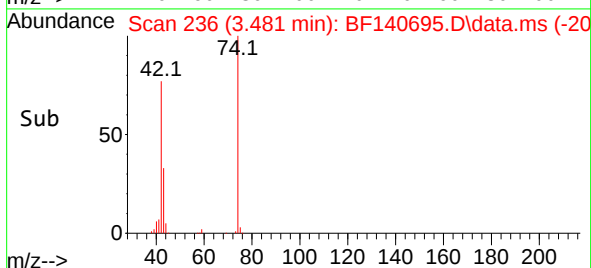
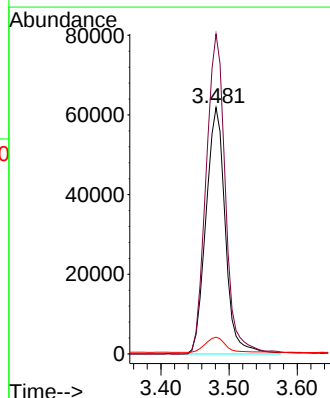
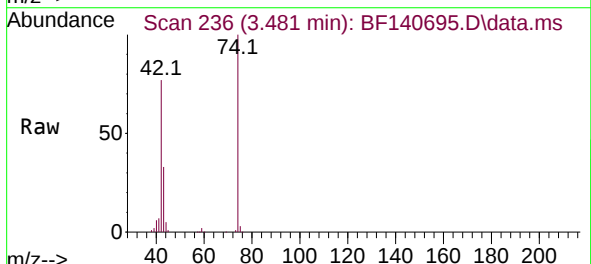
Tgt Ion: 42 Resp: 122204

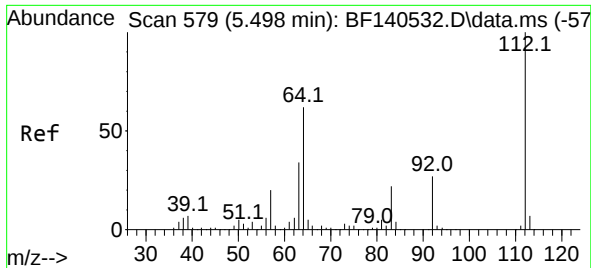
Ion Ratio Lower Upper

42 100

74 129.9 93.8 140.6

44 6.8 4.6 6.8





#5  
2-Fluorophenol  
Concen: 134.439 ng  
RT: 5.516 min Scan# 582  
Delta R.T. 0.018 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

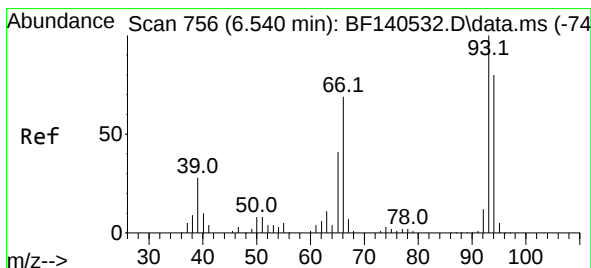
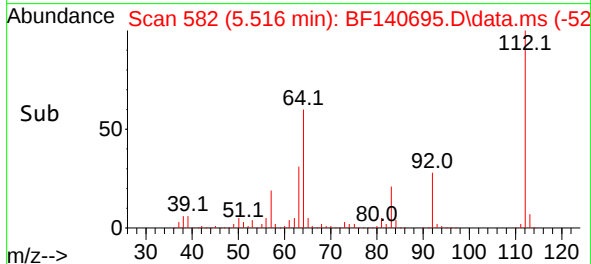
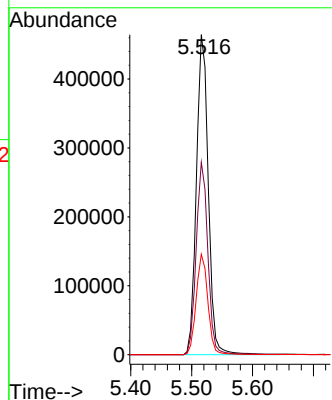
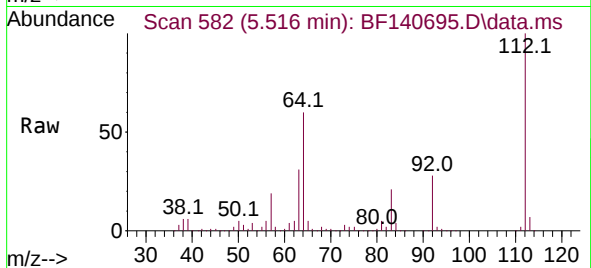
STOCK-PILEMSD

Tgt Ion:112 Resp: 62934  
Ion Ratio Lower Upper  
112 100  
64 60.2 49.2 73.8  
63 31.4 27.0 40.4

Manual Integrations

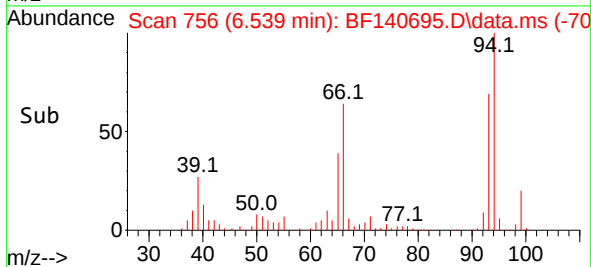
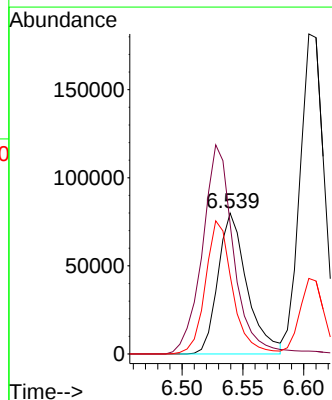
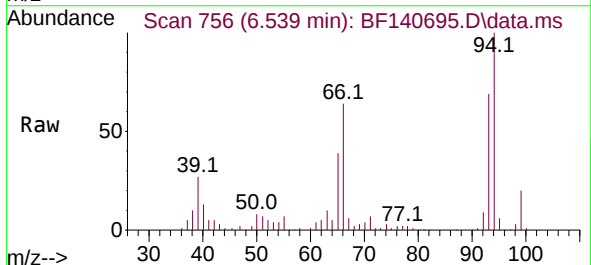
APPROVED

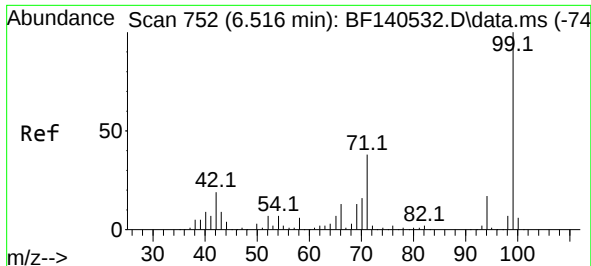
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#6  
Aniline  
Concen: 30.482 ng  
RT: 6.539 min Scan# 756  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

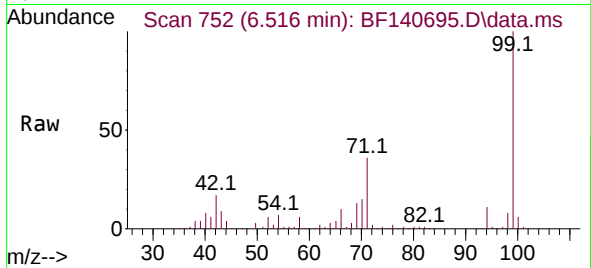
Tgt Ion: 93 Resp: 132780  
Ion Ratio Lower Upper  
93 100  
66 92.4 56.5 84.7#  
65 55.8 32.9 49.3#





#7  
Phenol-d6  
Concen: 128.871 ng  
RT: 6.516 min Scan# 752  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

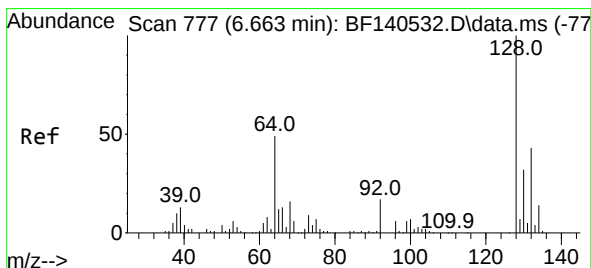
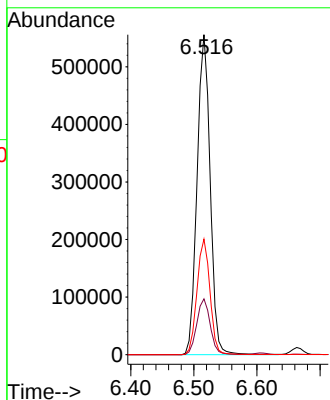
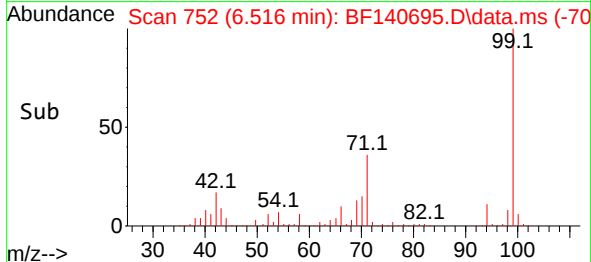
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



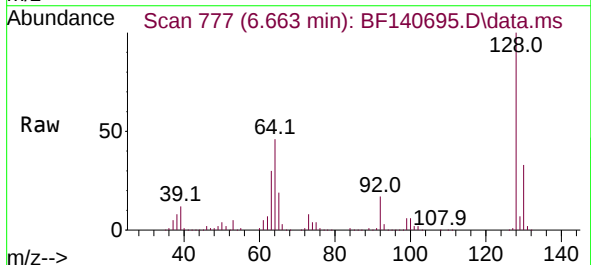
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Ion Ratio Lower Upper  
99 100  
42 17.5 15.4 23.0  
71 36.1 30.6 46.0

Manual Integrations  
APPROVED

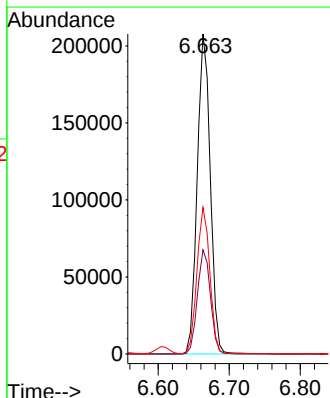
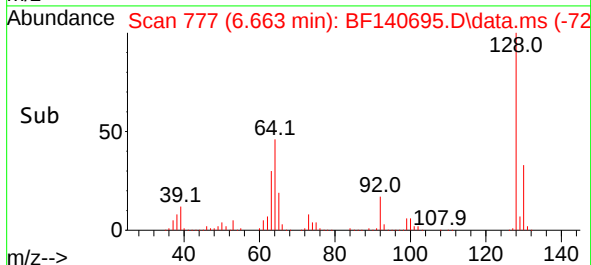
Reviewed By :Jagrut Upadhyay 12/03/2024  
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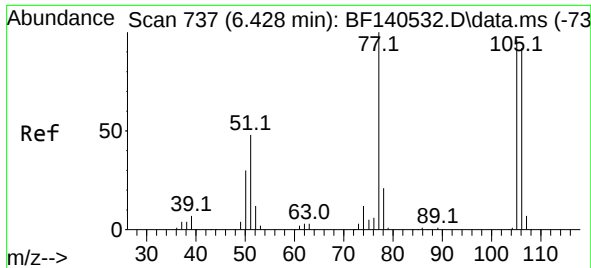


#8  
2-Chlorophenol  
Concen: 52.738 ng  
RT: 6.663 min Scan# 777  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:128 Resp: 265603  
Ion Ratio Lower Upper  
128 100  
130 32.6 12.3 52.3  
64 45.8 30.2 70.2





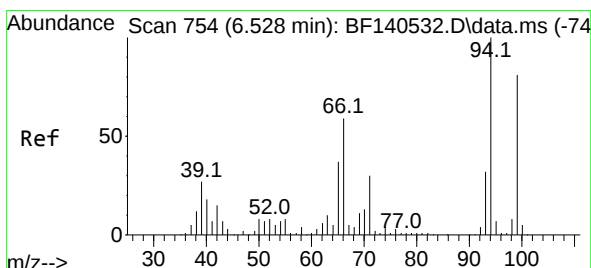
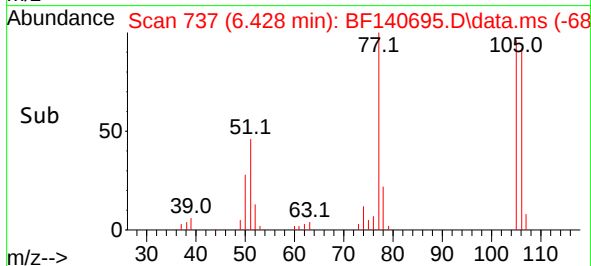
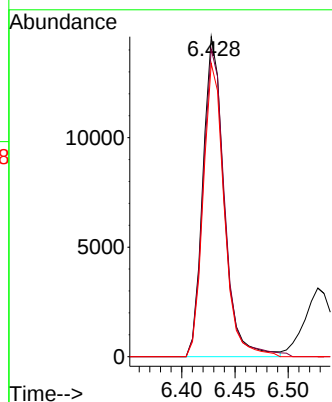
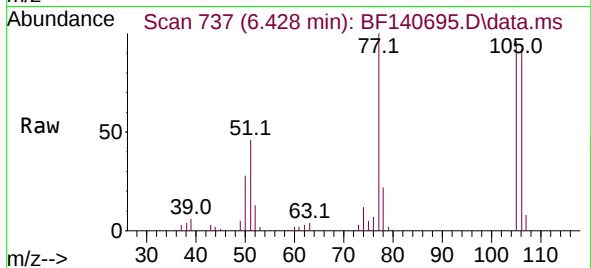
#9  
Benzaldehyde  
Concen: 6.157 ng  
RT: 6.428 min Scan# 713  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 2017  |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 105 96.2    | 75.6 115.6  |
| 106 91.6    | 72.0 112.0  |

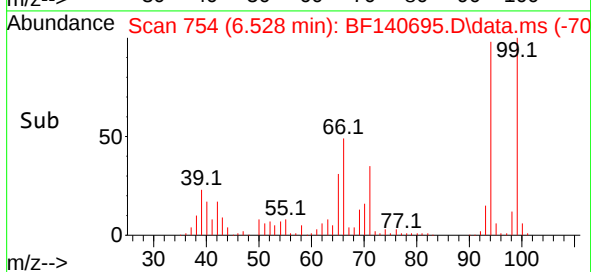
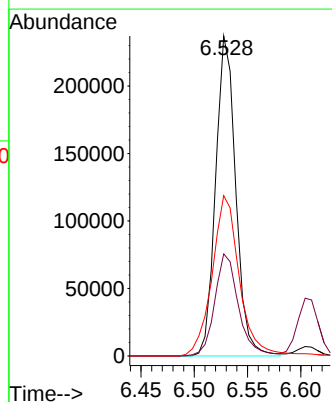
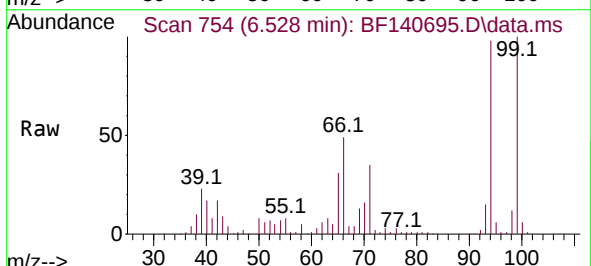
Manual Integrations  
APPROVED

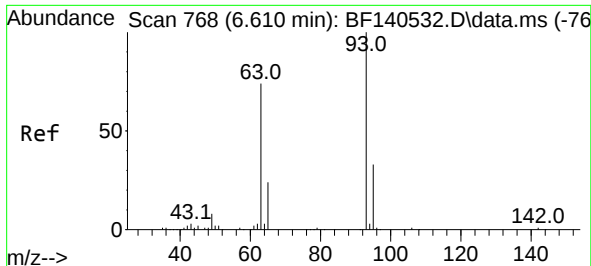
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#10  
Phenol  
Concen: 49.128 ng  
RT: 6.528 min Scan# 754  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

|             |              |
|-------------|--------------|
| Tgt Ion: 94 | Resp: 310498 |
| Ion Ratio   | Lower Upper  |
| 94 100      |              |
| 65 31.9     | 17.2 57.2    |
| 66 50.1     | 39.2 79.2    |





#11  
bis(2-Chloroethyl)ether  
Concen: 51.481 ng  
RT: 6.604 min Scan# 768  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

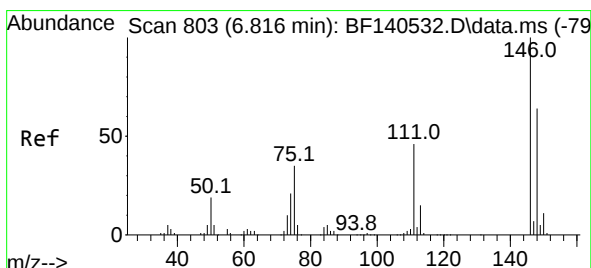
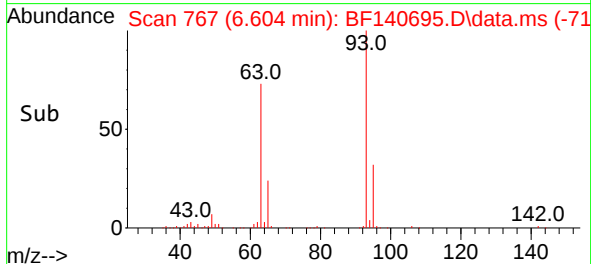
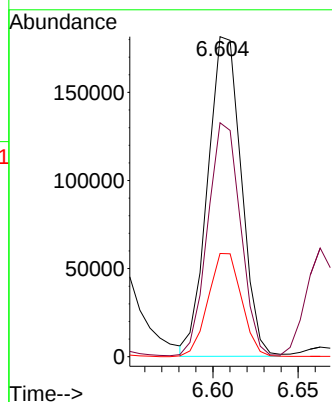
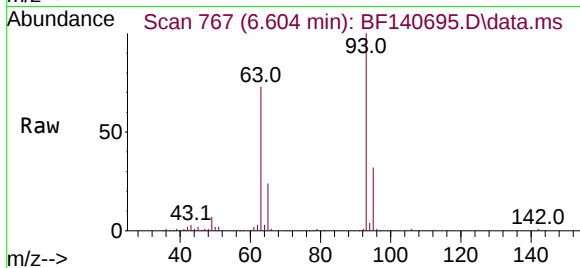
STOCK-PILEMSD

Tgt Ion: 93 Resp: 248980  
Ion Ratio Lower Upper  
93 100  
63 73.1 52.8 92.8  
95 32.2 12.3 52.3

Manual Integrations

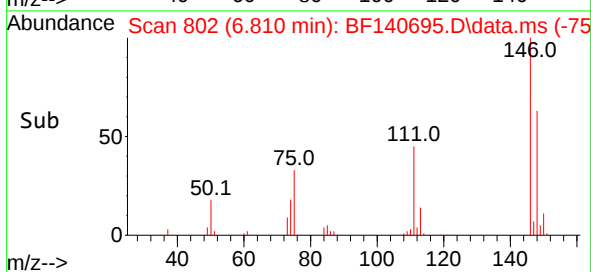
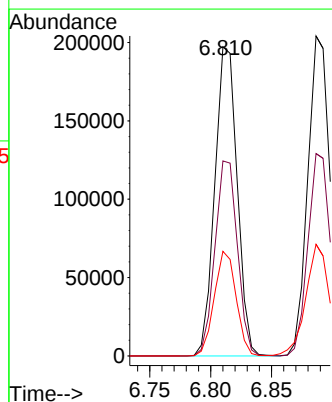
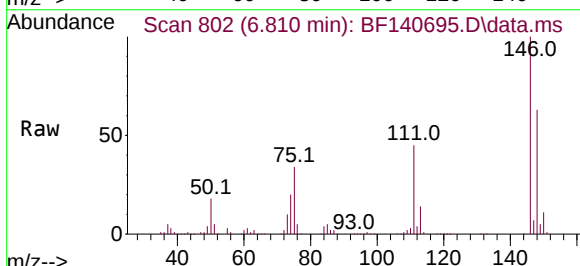
APPROVED

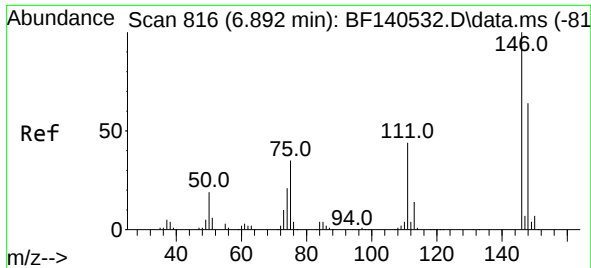
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#12  
1,3-Dichlorobenzene  
Concen: 44.555 ng  
RT: 6.810 min Scan# 802  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

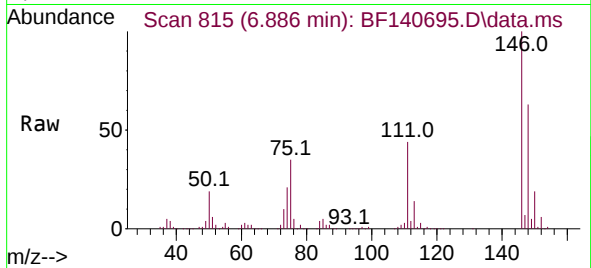
Tgt Ion:146 Resp: 252140  
Ion Ratio Lower Upper  
146 100  
148 63.1 51.3 76.9  
75 33.8 28.2 42.2





#13  
1,4-Dichlorobenzene  
Concen: 45.246 ng  
RT: 6.886 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

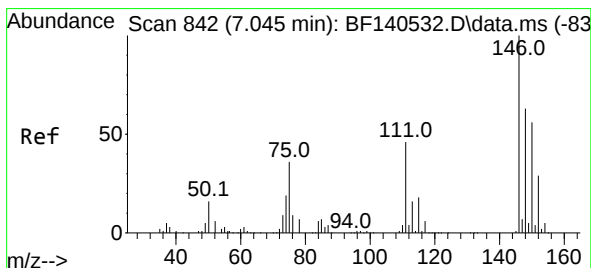
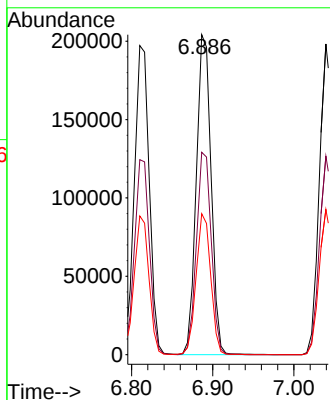
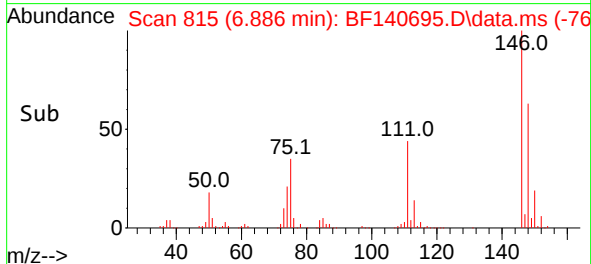
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



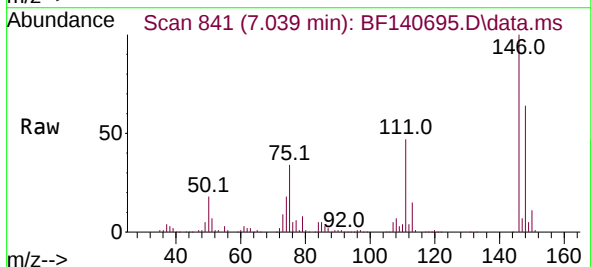
Tgt Ion:146 Resp: 25925  
Ion Ratio Lower Upper  
146 100  
148 63.2 51.0 76.6  
111 44.1 35.3 52.9

Manual Integrations  
APPROVED

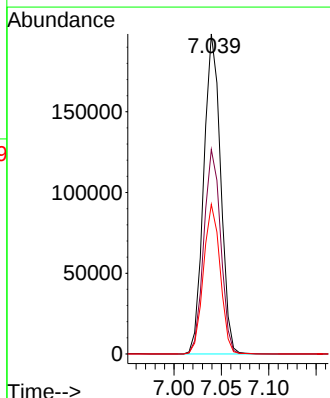
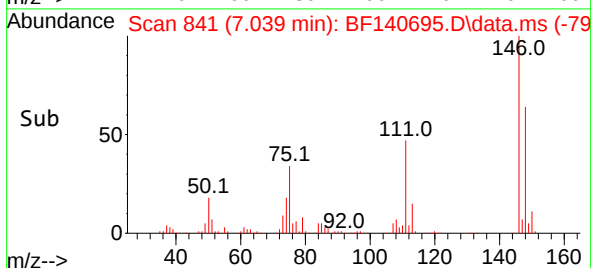
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

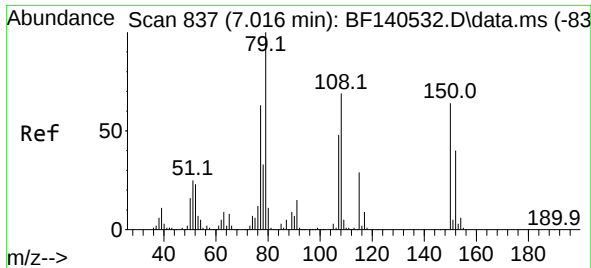


#14  
1,2-Dichlorobenzene  
Concen: 45.708 ng  
RT: 7.039 min Scan# 841  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



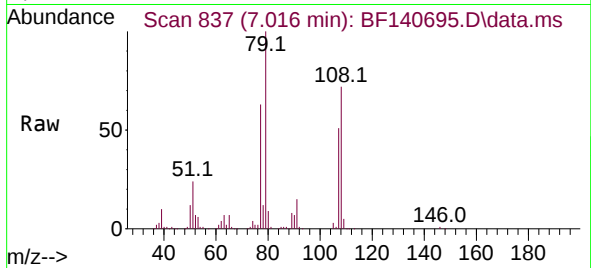
Tgt Ion:146 Resp: 245416  
Ion Ratio Lower Upper  
146 100  
148 63.9 50.5 75.7  
111 46.7 36.7 55.1





#15  
Benzyl Alcohol  
Concen: 55.982 ng  
RT: 7.016 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

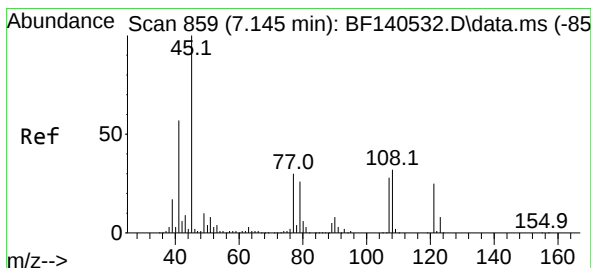
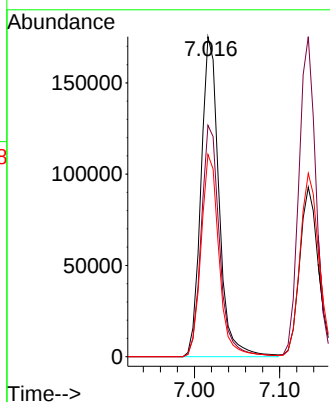
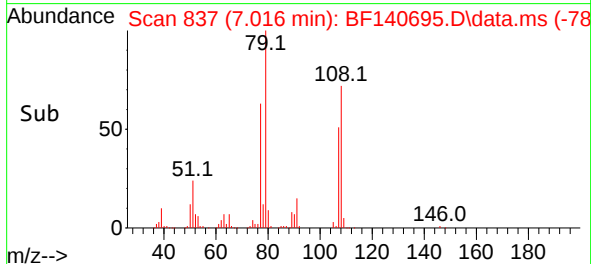
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



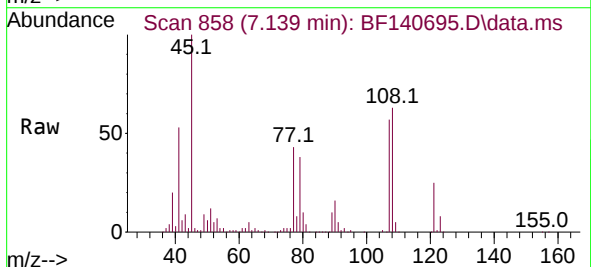
Tgt Ion: 79 Resp: 256932  
Ion Ratio Lower Upper  
79 100  
108 72.3 55.0 82.6  
77 63.2 50.1 75.1

Manual Integrations  
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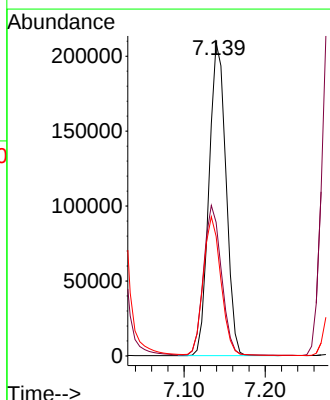
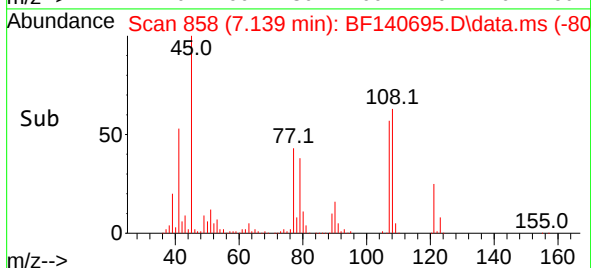
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

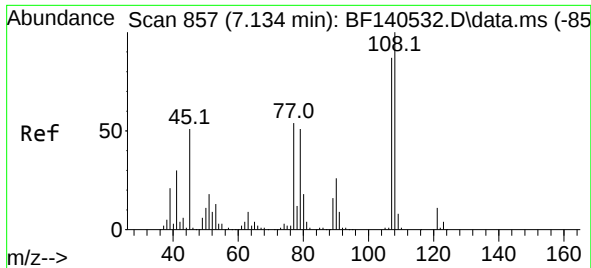


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 52.874 ng  
RT: 7.139 min Scan# 858  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



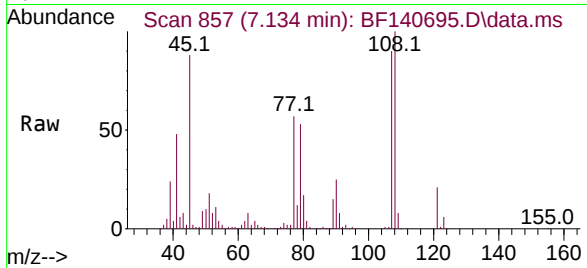
Tgt Ion: 45 Resp: 302104  
Ion Ratio Lower Upper  
45 100  
77 42.6 10.7 50.7  
79 38.2 7.0 47.0





#17  
2-Methylphenol  
Concen: 53.961 ng  
RT: 7.134 min Scan# 857  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

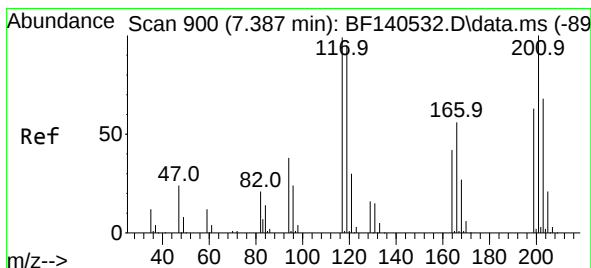
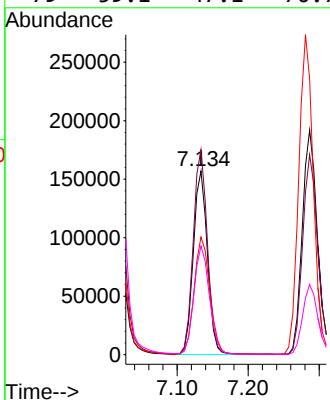
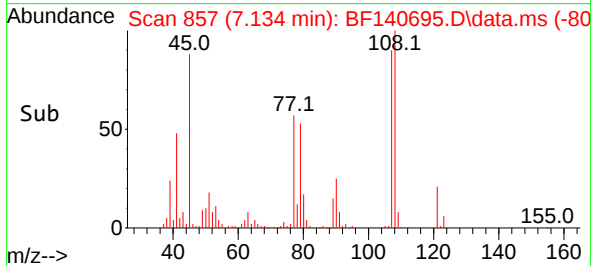
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:107 Resp: 217540  
Ion Ratio Lower Upper  
107 100  
108 111.6 91.7 137.5  
77 64.0 49.3 73.9  
79 59.1 47.1 70.7

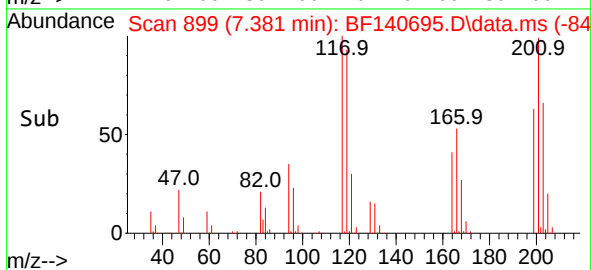
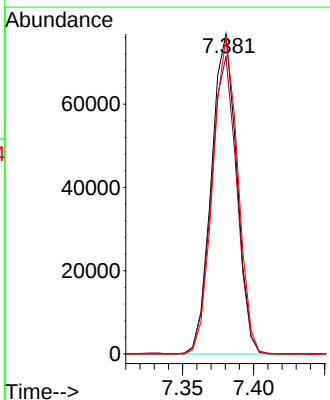
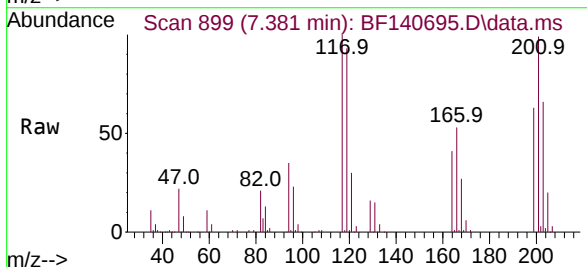
Manual Integrations  
APPROVED

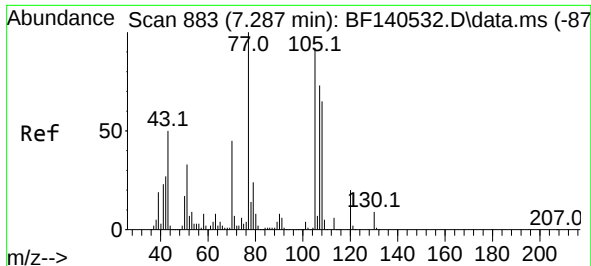
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#18  
Hexachloroethane  
Concen: 44.378 ng  
RT: 7.381 min Scan# 899  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

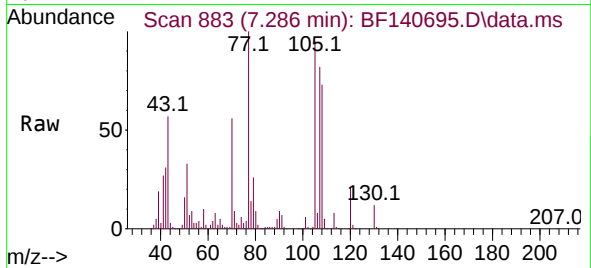
Tgt Ion:117 Resp: 94972  
Ion Ratio Lower Upper  
117 100  
119 92.9 77.1 115.7  
201 99.0 81.1 121.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 52.615 ng  
RT: 7.286 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

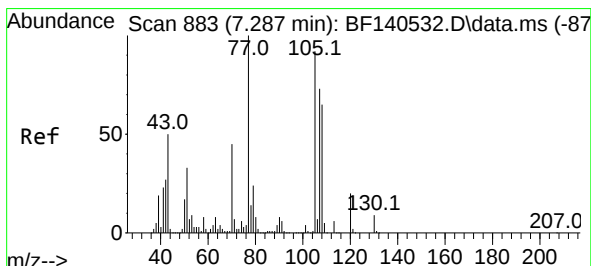
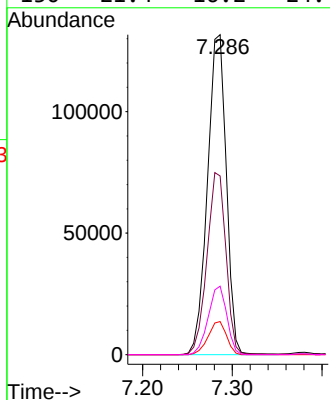
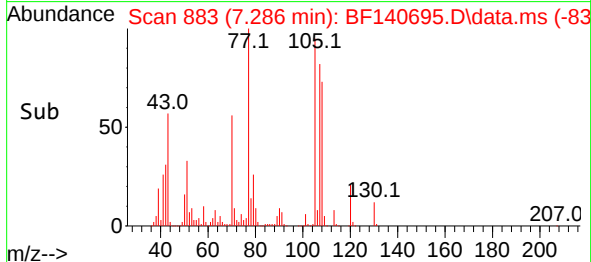
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



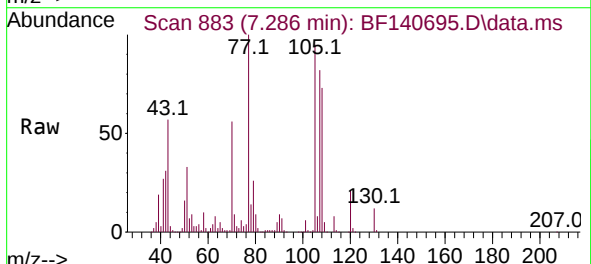
Tgt Ion: 70 Resp: 19244  
Ion Ratio Lower Upper  
70 100  
42 55.8 47.6 71.4  
101 10.4 7.6 11.4  
130 21.4 16.2 24.4

Manual Integrations  
APPROVED

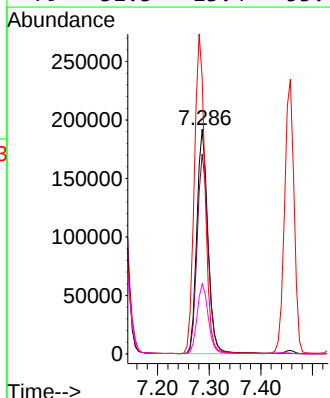
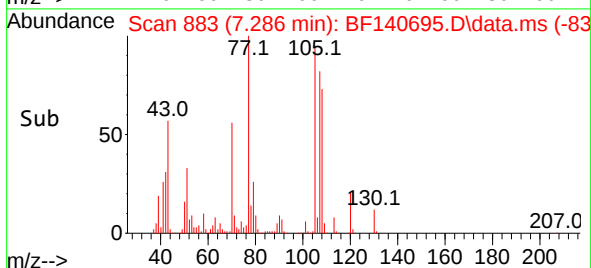
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

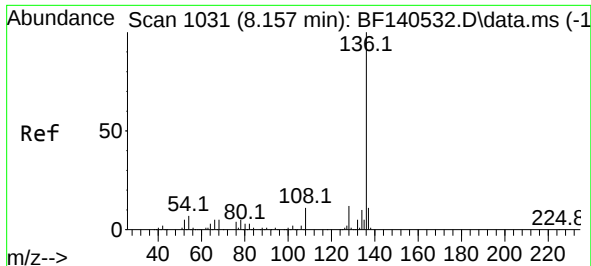


#20  
3+4-Methylphenols  
Concen: 55.192 ng  
RT: 7.286 min Scan# 883  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:107 Resp: 286001  
Ion Ratio Lower Upper  
107 100  
108 89.1 69.9 109.9  
77 122.6 117.7 157.7  
79 31.3 13.4 53.4





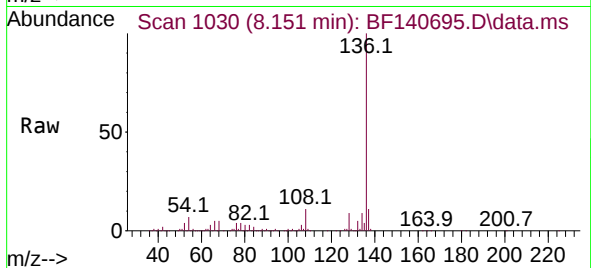
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.151 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

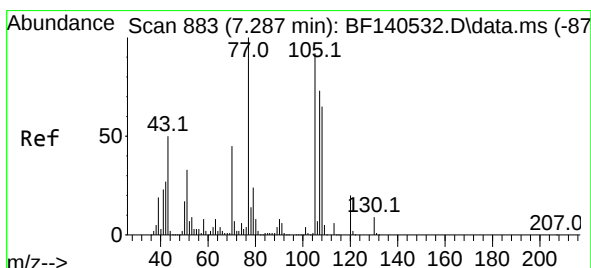
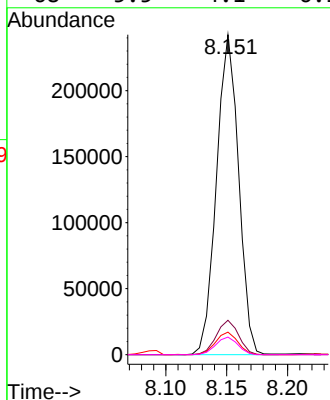
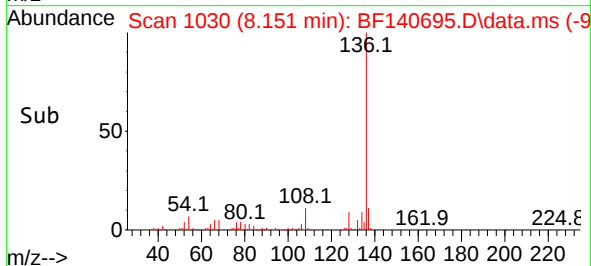


Tgt Ion:136 Resp: 306759  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.0 5.8 8.8  
68 5.5 4.1 6.1

Manual Integrations

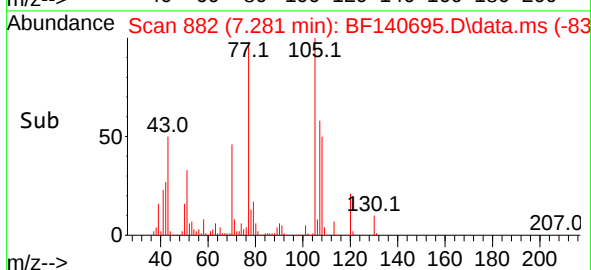
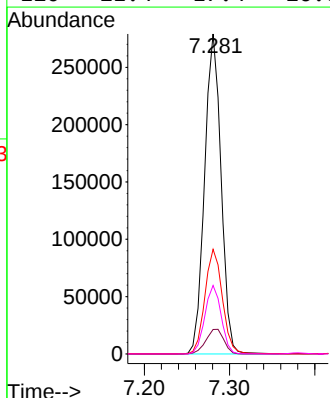
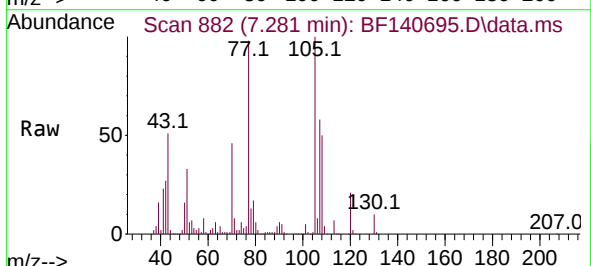
APPROVED

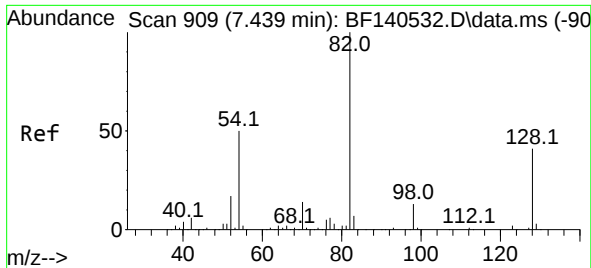
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#22  
Acetophenone  
Concen: 50.237 ng  
RT: 7.281 min Scan# 882  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:105 Resp: 375707  
Ion Ratio Lower Upper  
105 100  
71 7.7 6.2 9.2  
51 32.7 29.0 43.6  
120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 95.233 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion: 82 Resp: 57113

Ion Ratio Lower Upper

82 100

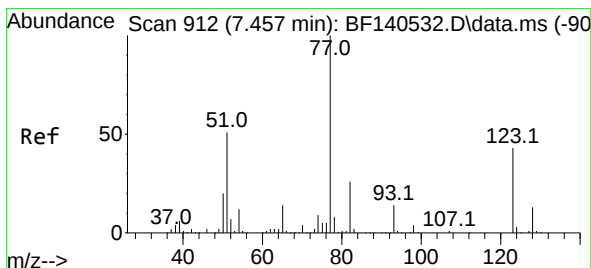
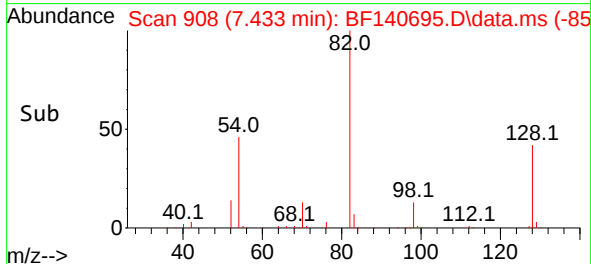
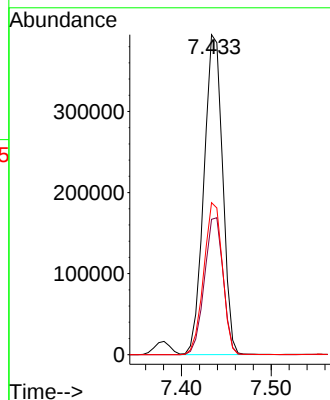
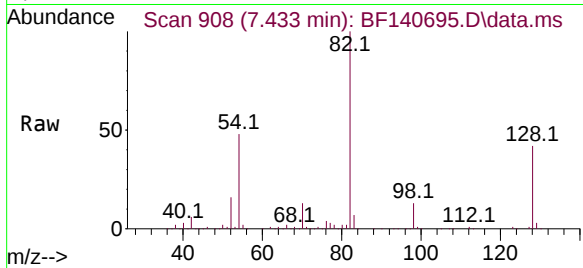
128 42.3 33.0 49.4

54 47.5 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#24

Nitrobenzene

Concen: 48.081 ng

RT: 7.457 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

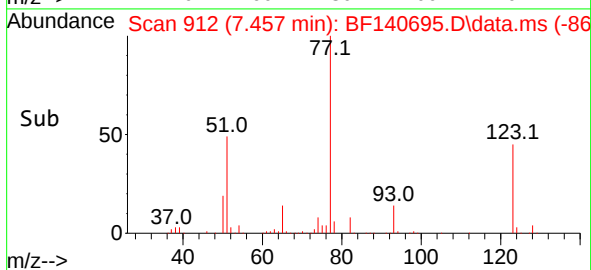
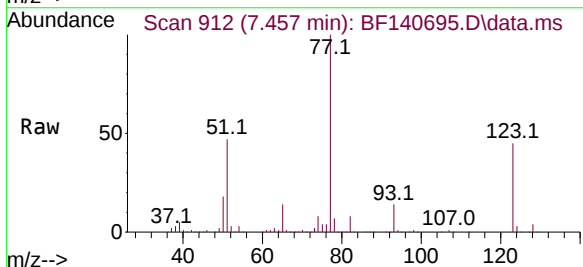
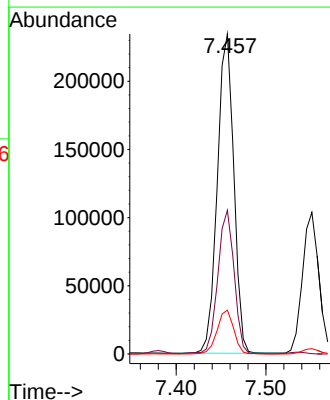
Tgt Ion: 77 Resp: 298019

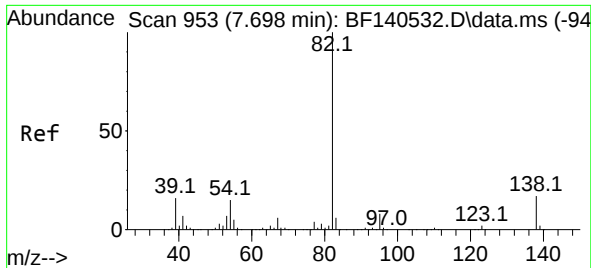
Ion Ratio Lower Upper

77 100

123 44.9 34.3 51.5

65 13.7 11.2 16.8





#25  
Isophorone  
Concen: 54.859 ng  
RT: 7.692 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

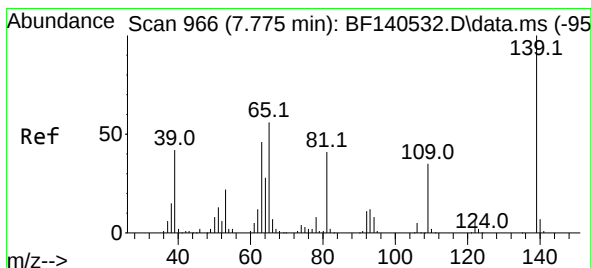
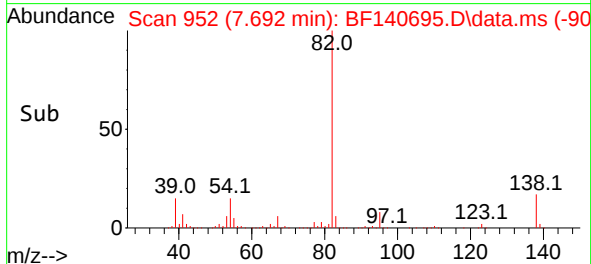
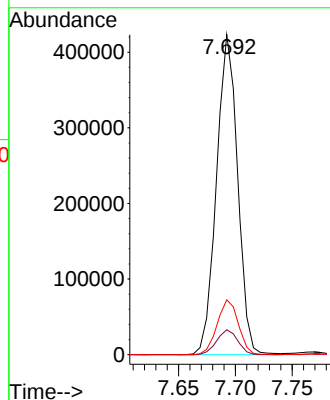
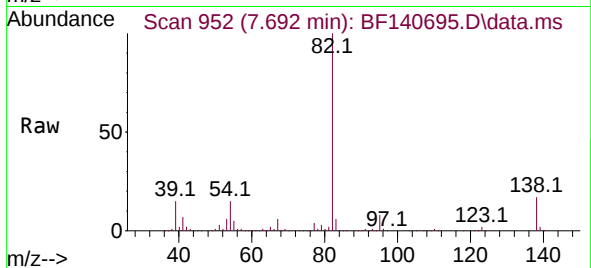
STOCK-PILEMSD

Tgt Ion: 82 Resp: 548749  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.4 9.6  
138 17.1 13.8 20.6

Manual Integrations

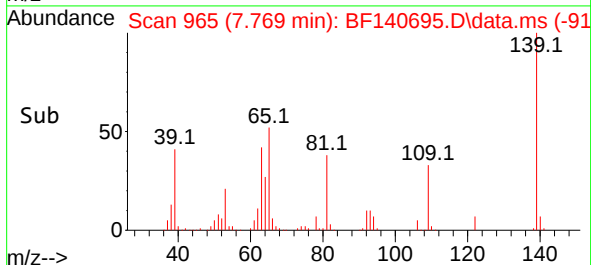
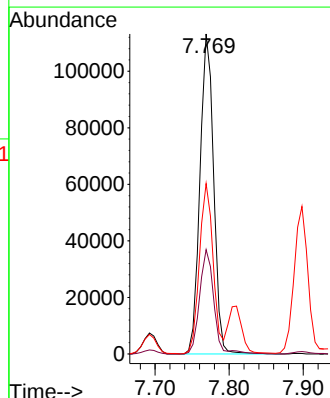
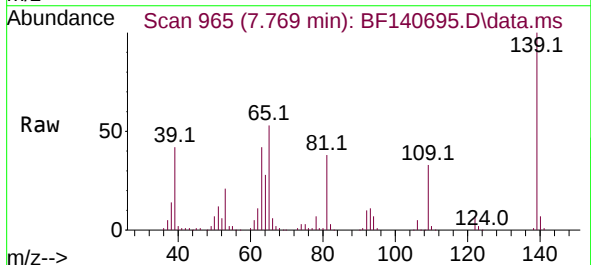
APPROVED

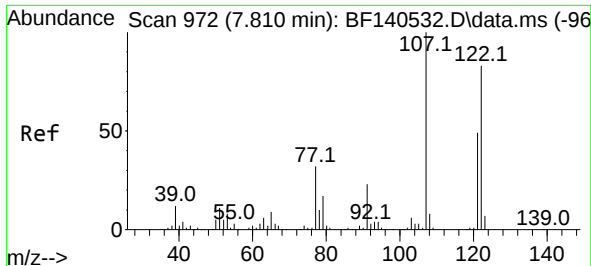
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#26  
2-Nitrophenol  
Concen: 52.861 ng  
RT: 7.769 min Scan# 965  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:139 Resp: 145198  
Ion Ratio Lower Upper  
139 100  
109 32.6 28.0 42.0  
65 53.2 44.6 67.0





#27  
2,4-Dimethylphenol  
Concen: 70.368 ng m  
RT: 7.810 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

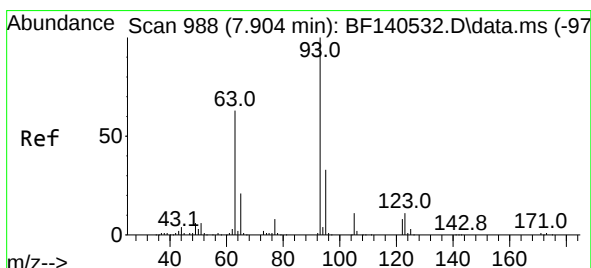
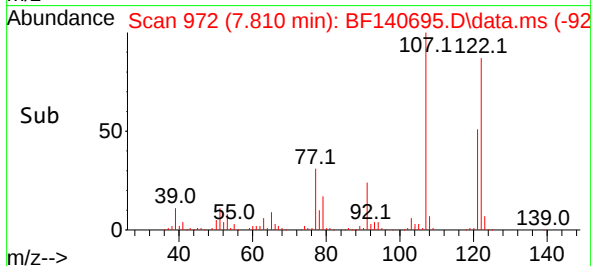
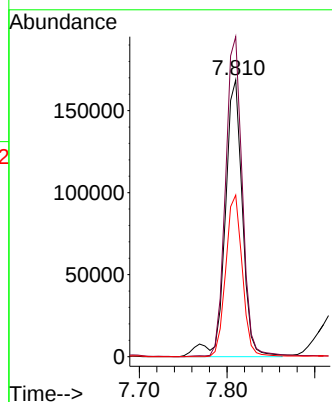
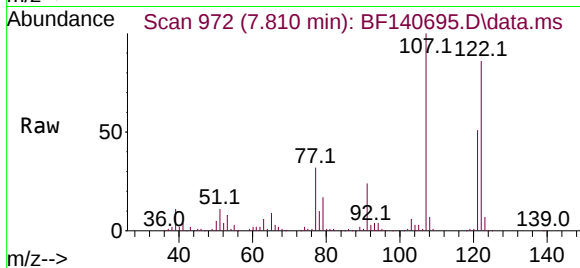
STOCK-PILEMSD

Tgt Ion:122 Resp: 23126  
Ion Ratio Lower Upper  
122 100  
107 115.6 96.8 145.2  
121 58.4 47.4 71.0

Manual Integrations

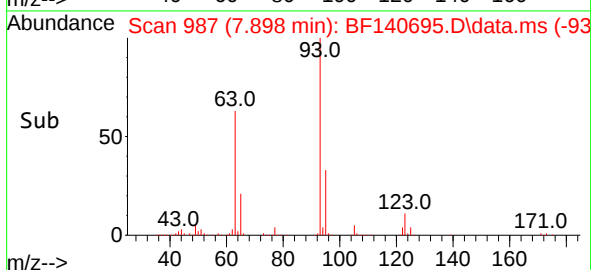
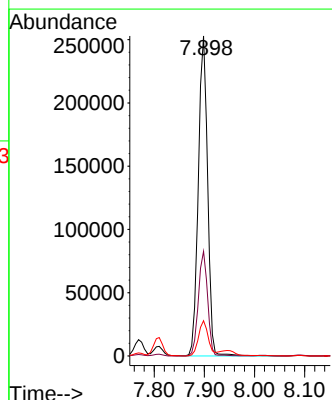
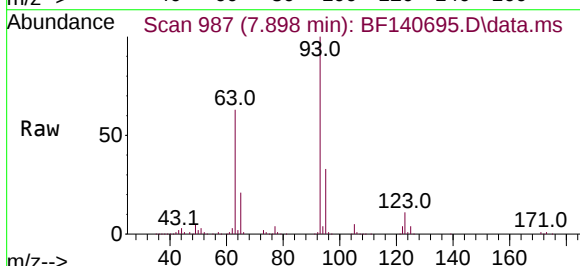
APPROVED

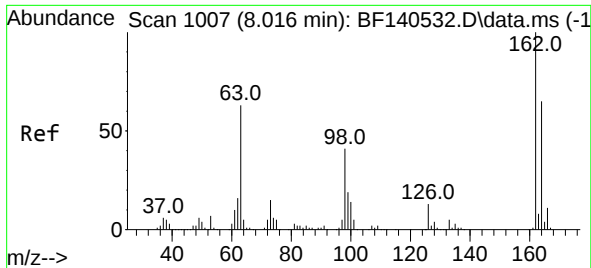
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 53.370 ng  
RT: 7.898 min Scan# 987  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion: 93 Resp: 325224  
Ion Ratio Lower Upper  
93 100  
95 32.7 26.1 39.1  
123 11.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 55.372 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

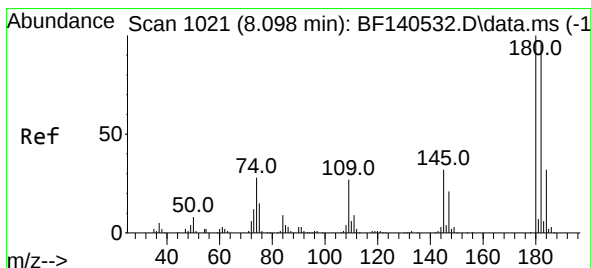
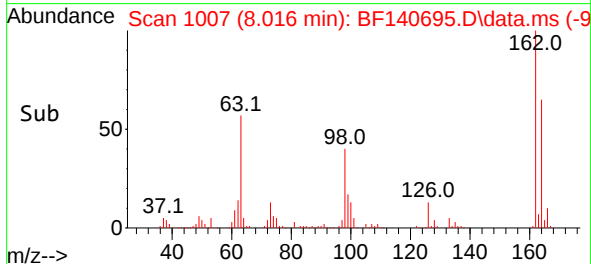
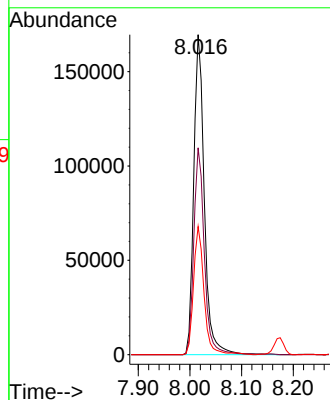
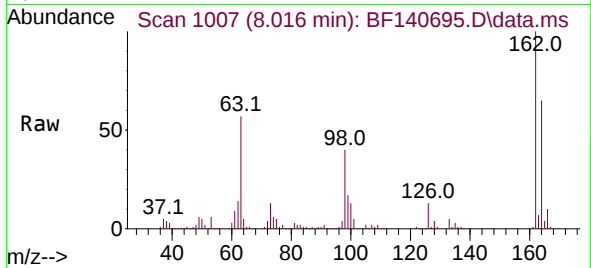
STOCK-PILEMSD

Tgt Ion:162 Resp: 241130  
 Ion Ratio Lower Upper  
 162 100  
 164 64.7 44.8 84.8  
 98 40.1 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#30

1,2,4-Trichlorobenzene

Concen: 46.417 ng

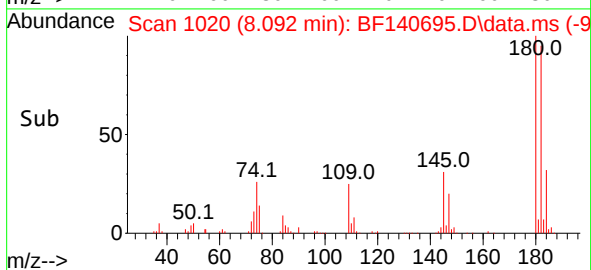
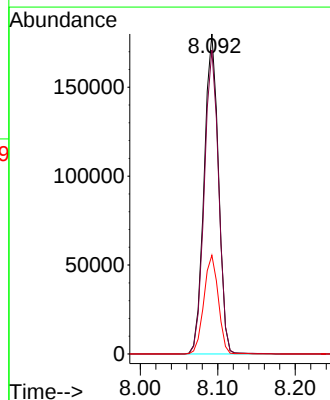
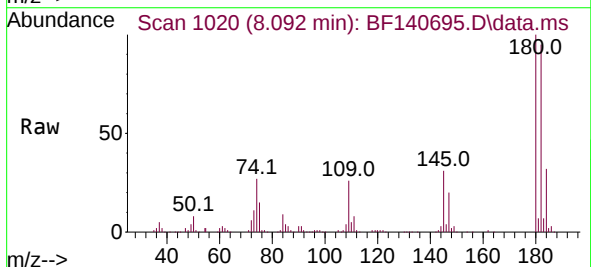
RT: 8.092 min Scan# 1020

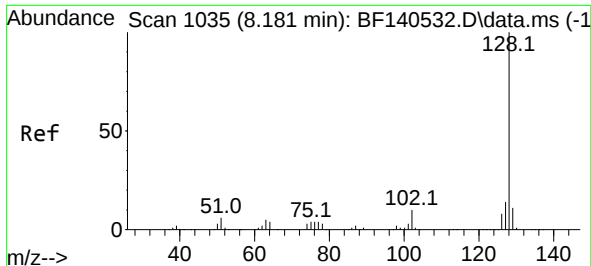
Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Tgt Ion:180 Resp: 230797  
 Ion Ratio Lower Upper  
 180 100  
 182 95.0 76.4 114.6  
 145 30.8 25.9 38.9





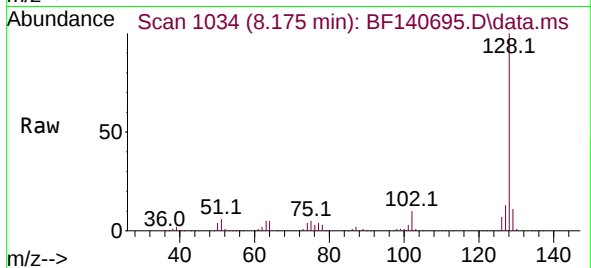
#31  
Naphthalene  
Concen: 49.037 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

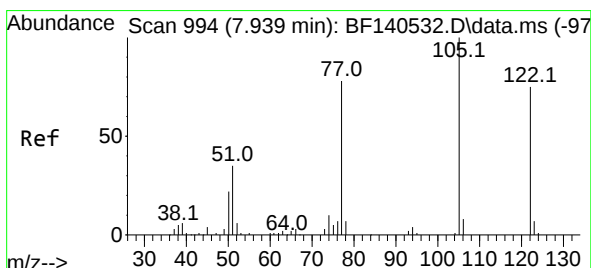
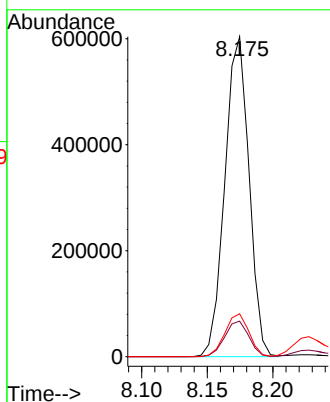
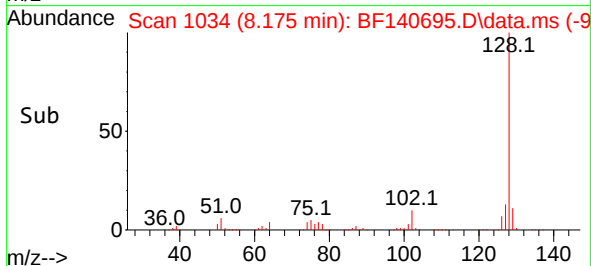


Tgt Ion:128 Resp: 774818  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.4 10.8 16.2

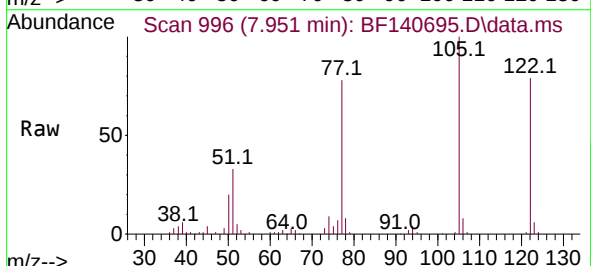
Manual Integrations

APPROVED

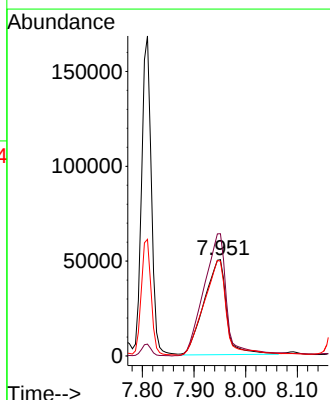
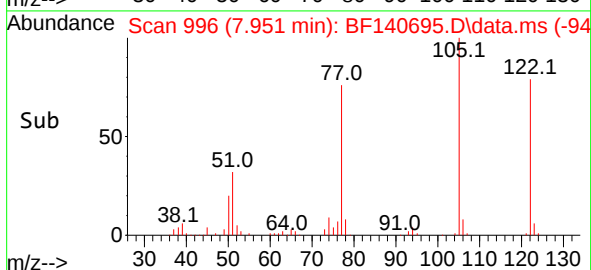
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

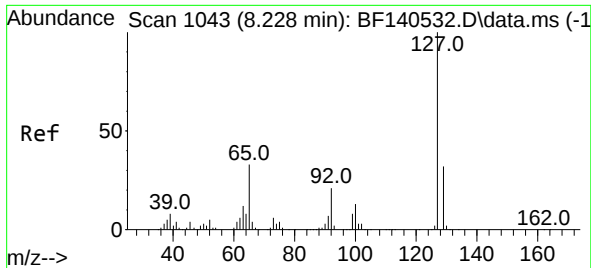


#32  
Benzoic acid  
Concen: 52.312 ng  
RT: 7.951 min Scan# 996  
Delta R.T. 0.012 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:122 Resp: 151784  
Ion Ratio Lower Upper  
122 100  
105 126.8 109.3 149.3  
77 98.3 82.3 122.3





#33  
4-Chloroaniline  
Concen: 18.894 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

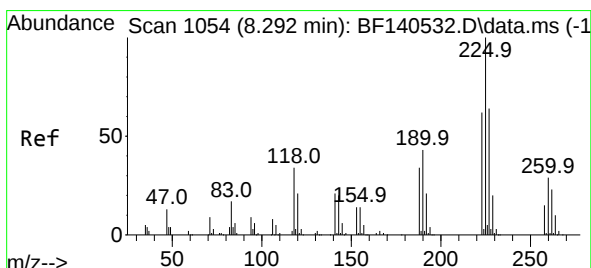
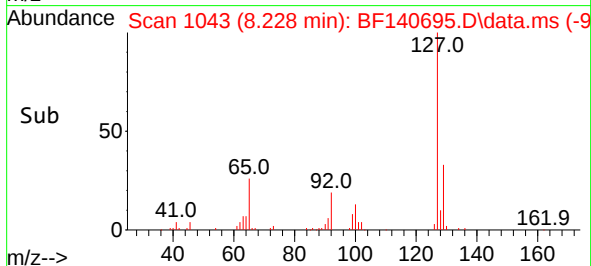
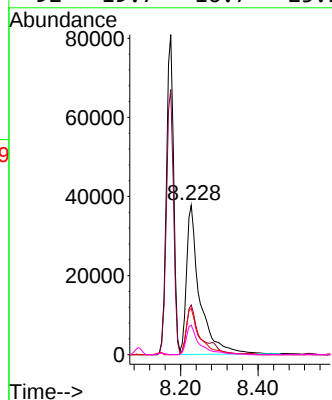
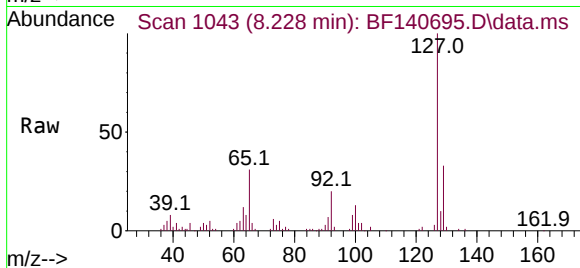
STOCK-PILEMSD

Tgt Ion:127 Resp: 8938  
Ion Ratio Lower Upper  
127 100  
129 33.3 26.0 39.0  
65 30.9 26.0 39.0  
92 19.7 16.7 25.1

Manual Integrations

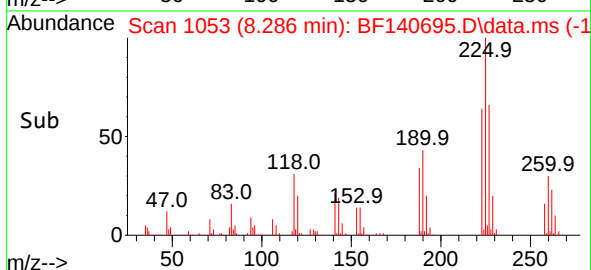
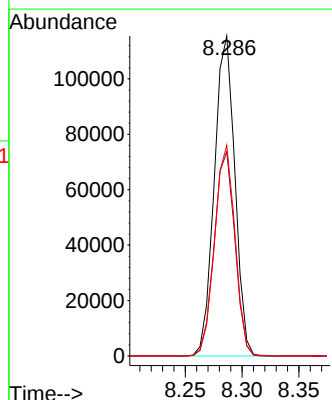
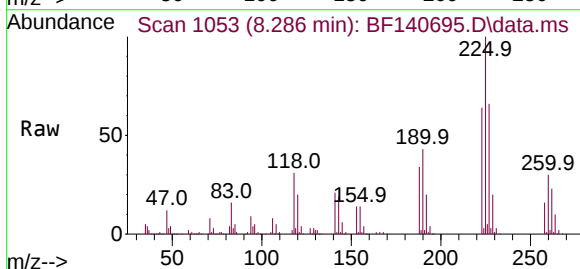
APPROVED

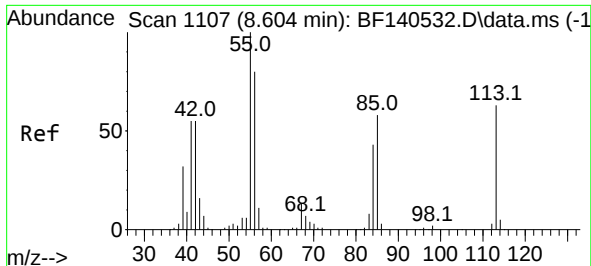
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#34  
Hexachlorobutadiene  
Concen: 44.149 ng  
RT: 8.286 min Scan# 1053  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:225 Resp: 145402  
Ion Ratio Lower Upper  
225 100  
223 63.8 49.8 74.8  
227 65.8 51.3 76.9





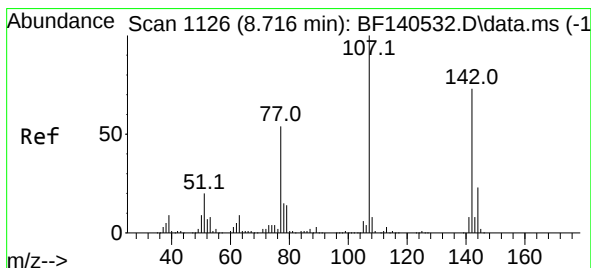
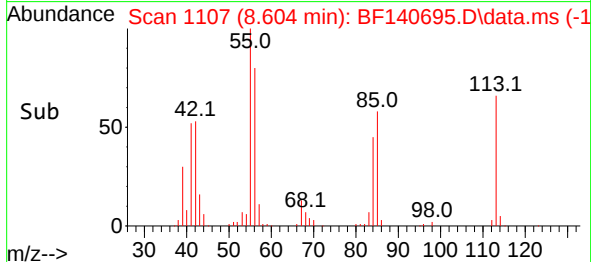
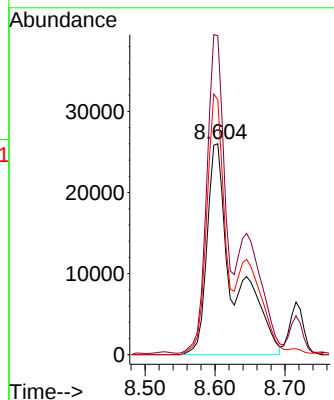
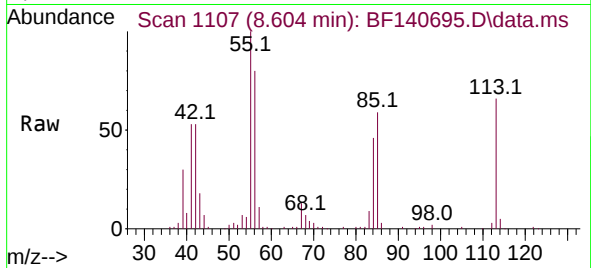
#35  
Caprolactam  
Concen: 51.892 ng m  
RT: 8.604 min Scan# 1107  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:113 Resp: 69934  
Ion Ratio Lower Upper  
113 100  
55 151.3 137.7 177.7  
56 120.8 106.4 146.4

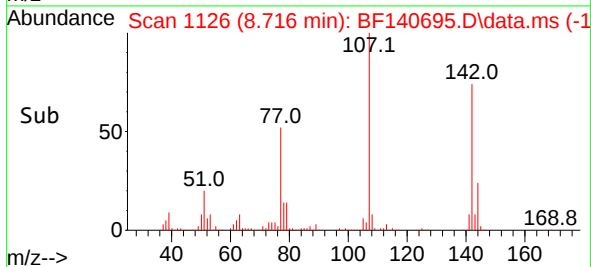
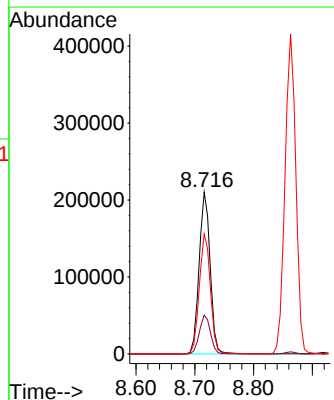
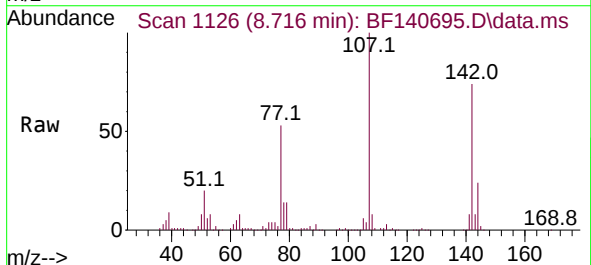
Manual Integrations  
APPROVED

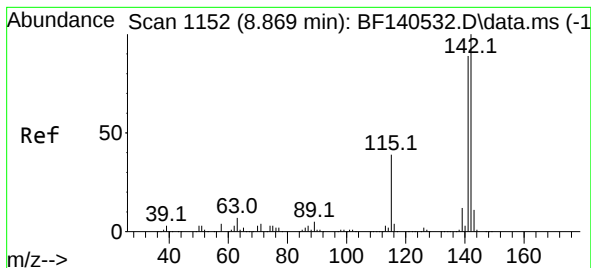
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#36  
4-Chloro-3-methylphenol  
Concen: 56.361 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:107 Resp: 274806  
Ion Ratio Lower Upper  
107 100  
144 24.0 18.7 28.1  
142 74.2 58.3 87.5





#37  
2-Methylnaphthalene  
Concen: 52.950 ng  
RT: 8.863 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

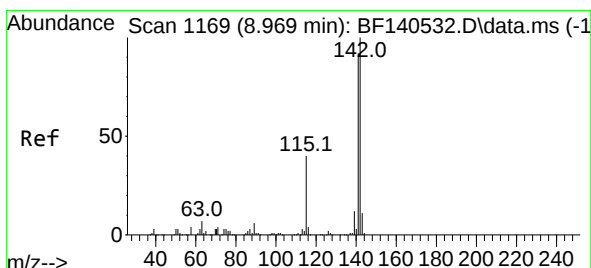
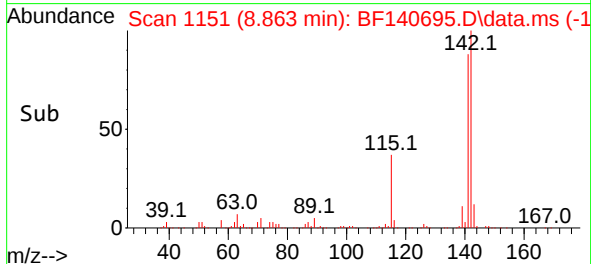
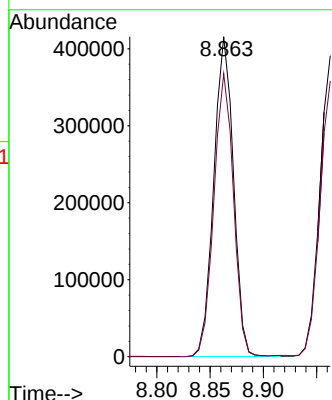
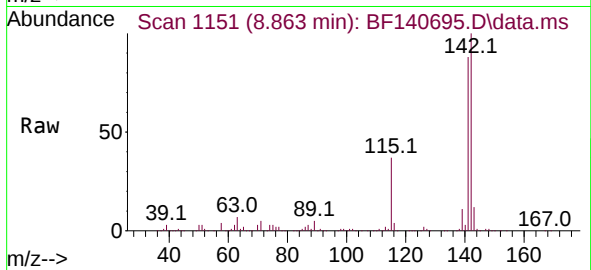
STOCK-PILEMSD

Tgt Ion:142 Resp: 531404  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.0 106.6

Manual Integrations

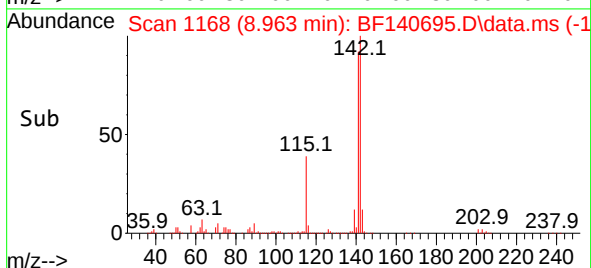
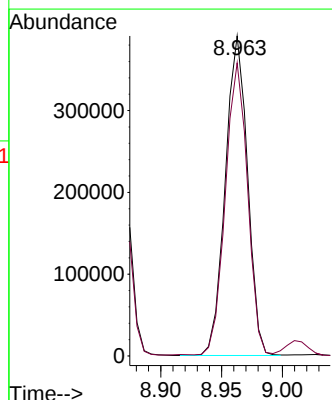
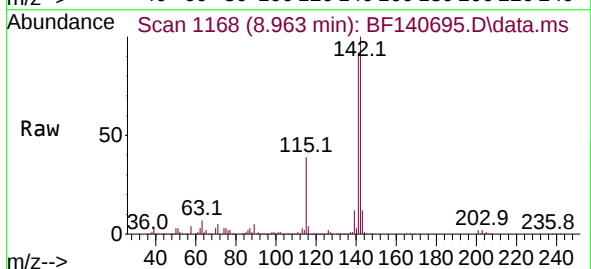
APPROVED

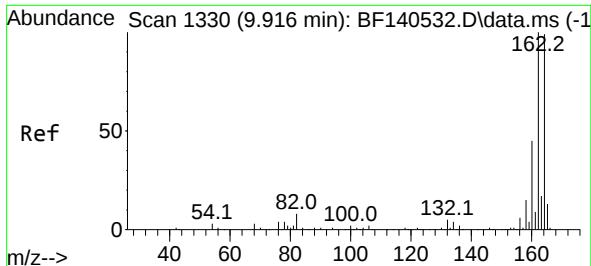
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#38  
1-Methylnaphthalene  
Concen: 50.487 ng  
RT: 8.963 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:142 Resp: 496655  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.3 109.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140695.D

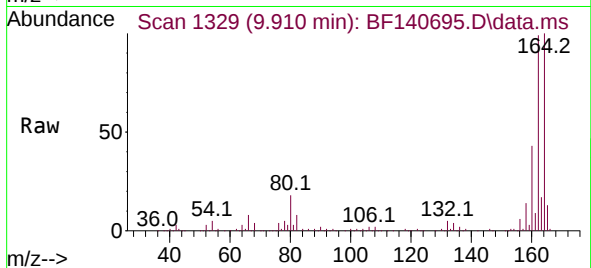
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD



Tgt Ion:164 Resp: 176979

Ion Ratio Lower Upper

164 100

162 99.4 80.6 120.8

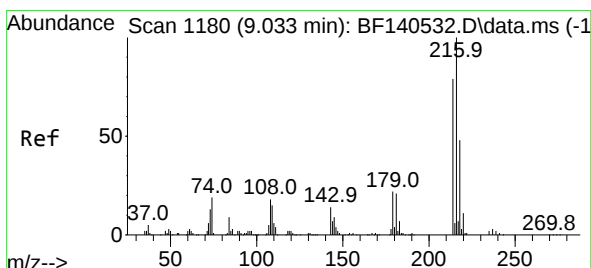
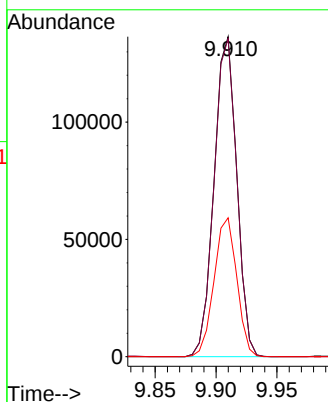
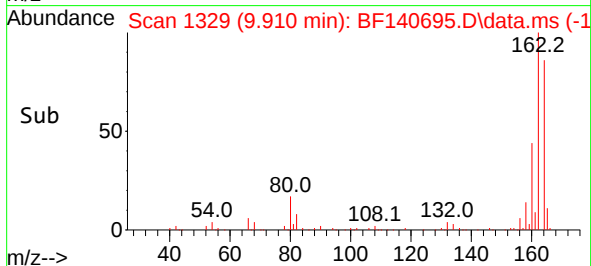
160 43.4 36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024

Supervised By :mohammad ahmed 12/05/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.369 ng

RT: 9.027 min Scan# 1179

Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Tgt Ion:216 Resp: 260959

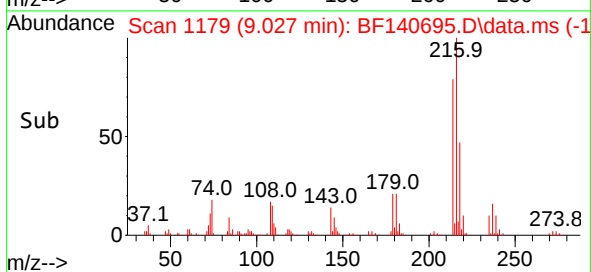
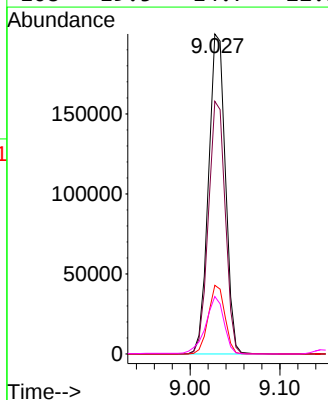
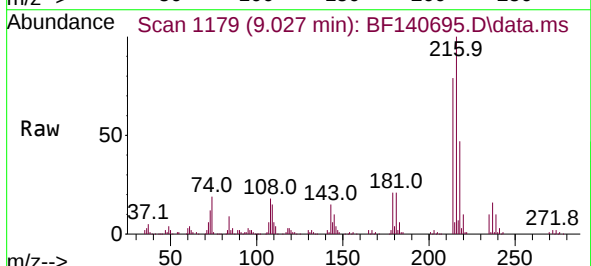
Ion Ratio Lower Upper

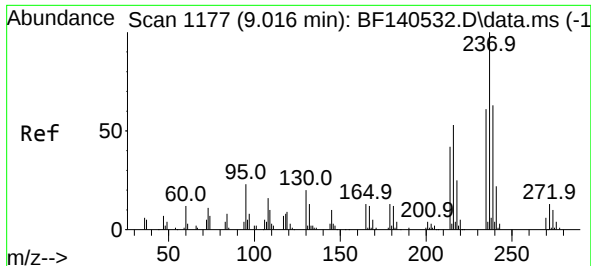
216 100

214 78.7 63.0 94.4

179 21.0 17.5 26.3

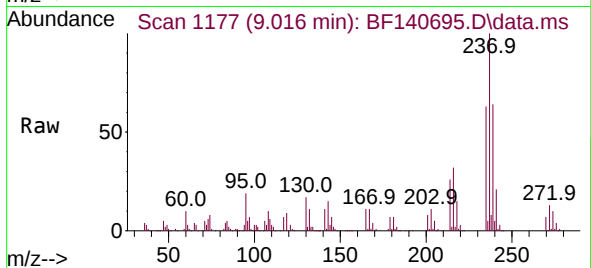
108 19.5 14.7 22.1





#41  
Hexachlorocyclopentadiene  
Concen: 164.194 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

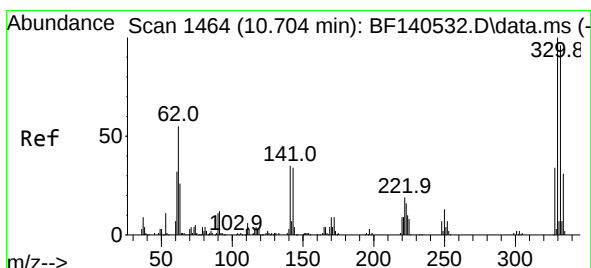
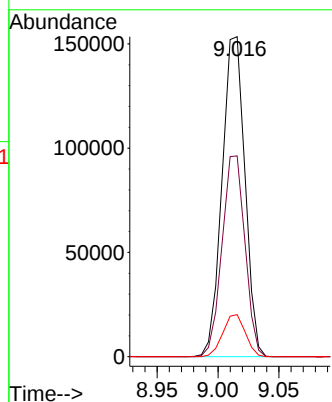
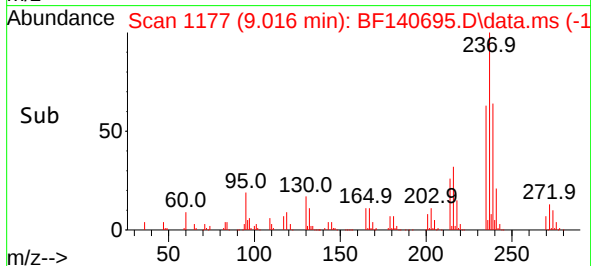
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



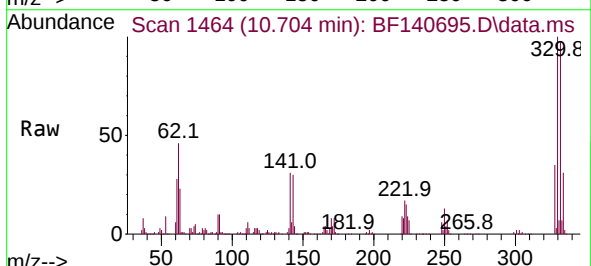
Tgt Ion: 237 Resp: 20104  
Ion Ratio Lower Upper  
237 100  
235 62.7 41.1 81.1  
272 13.1 0.0 32.6

Manual Integrations  
APPROVED

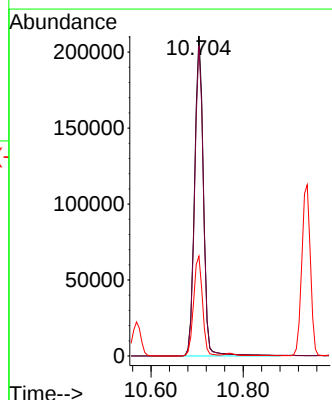
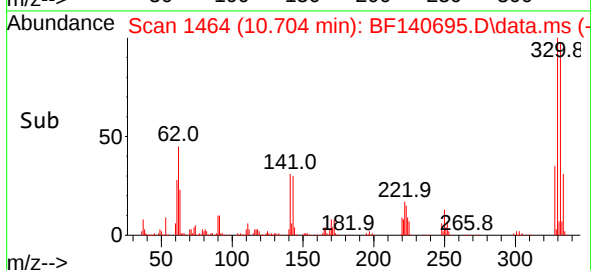
Reviewed By : Jagrut Upadhyay 12/03/2024  
Supervised By : mohammad ahmed 12/05/2024

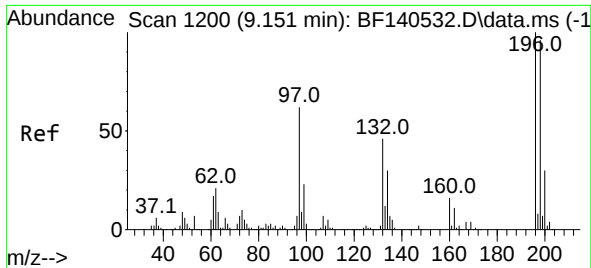


#42  
2,4,6-Tribromophenol  
Concen: 147.442 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



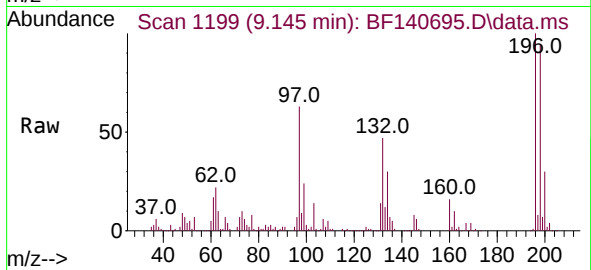
Tgt Ion: 330 Resp: 279072  
Ion Ratio Lower Upper  
330 100  
332 96.7 76.9 115.3  
141 31.5 26.7 40.1





#43  
2,4,6-Trichlorophenol  
Concen: 54.005 ng  
RT: 9.145 min Scan# 1199  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

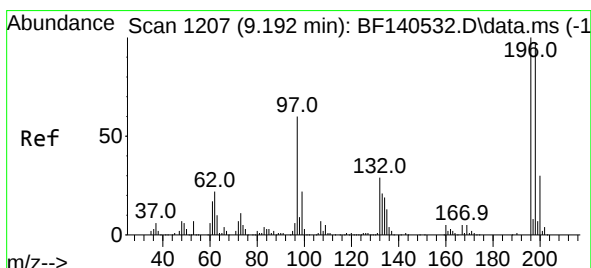
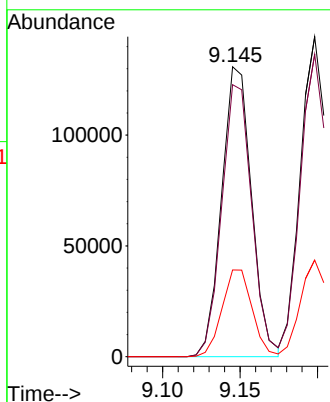
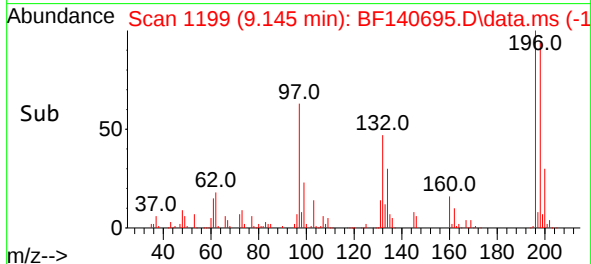
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



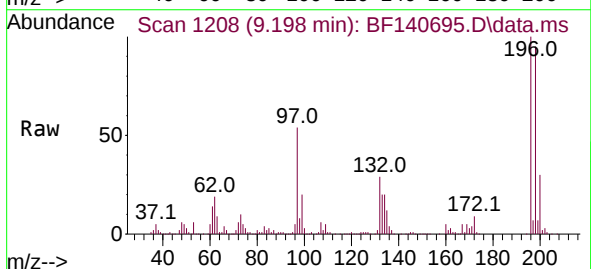
Tgt Ion:196 Resp: 17557  
Ion Ratio Lower Upper  
196 100  
198 93.8 76.8 115.2  
200 29.9 24.3 36.5

Manual Integrations  
APPROVED

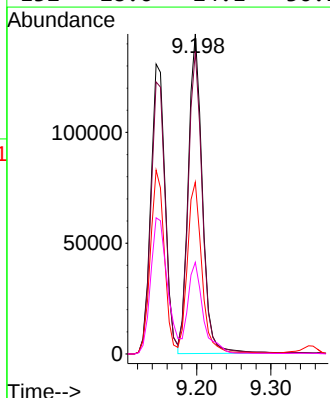
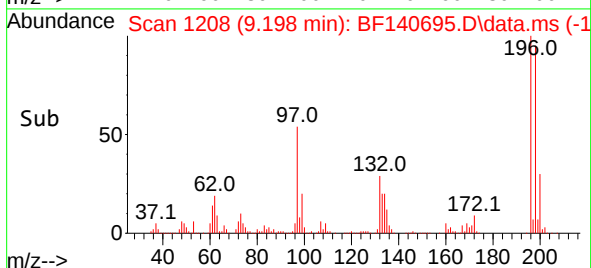
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

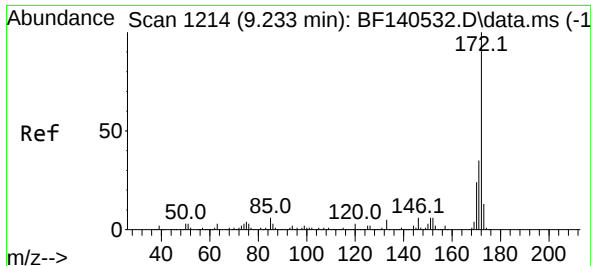


#44  
2,4,5-Trichlorophenol  
Concen: 53.778 ng  
RT: 9.198 min Scan# 1208  
Delta R.T. 0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:196 Resp: 189741  
Ion Ratio Lower Upper  
196 100  
198 94.5 77.2 115.8  
97 53.7 47.1 70.7  
132 28.6 24.1 36.1





#45  
2-Fluorobiphenyl  
Concen: 92.332 ng  
RT: 9.227 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

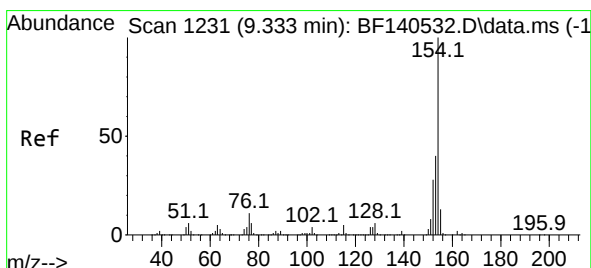
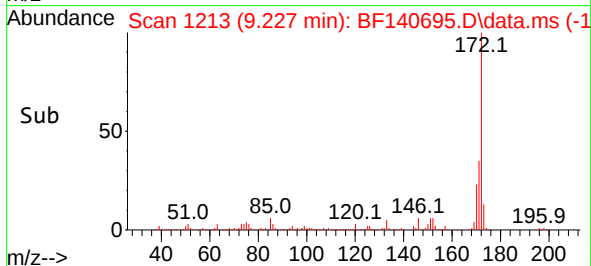
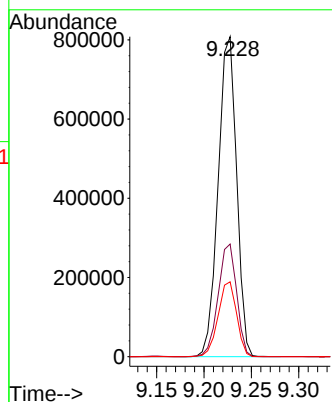
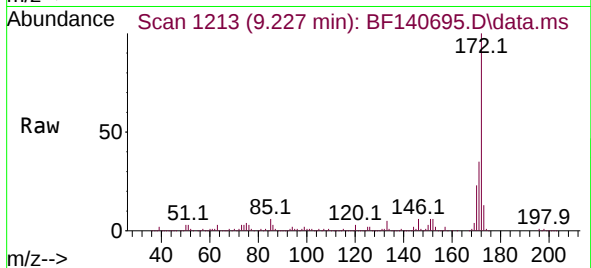
STOCK-PILEMSD

Tgt Ion:172 Resp: 1096718  
Ion Ratio Lower Upper  
172 100  
171 35.2 28.4 42.6  
170 23.4 19.0 28.6

Manual Integrations

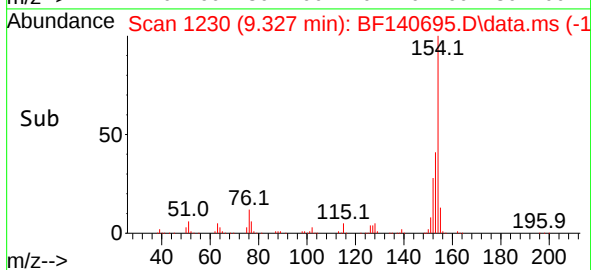
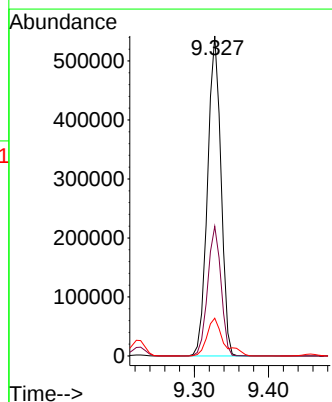
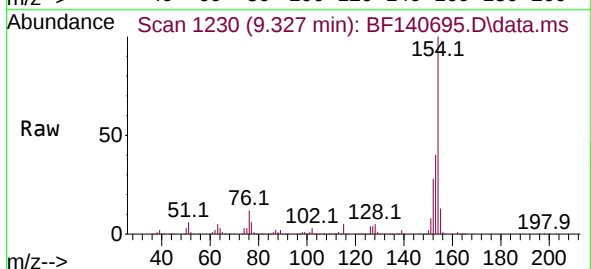
APPROVED

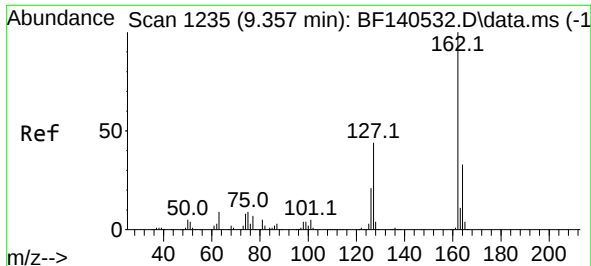
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#46  
1,1'-Biphenyl  
Concen: 51.493 ng  
RT: 9.327 min Scan# 1230  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:154 Resp: 680379  
Ion Ratio Lower Upper  
154 100  
153 40.5 20.4 60.4  
76 11.8 0.0 31.2





#47  
2-Chloronaphthalene  
Concen: 50.644 ng  
RT: 9.357 min Scan# 1235  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

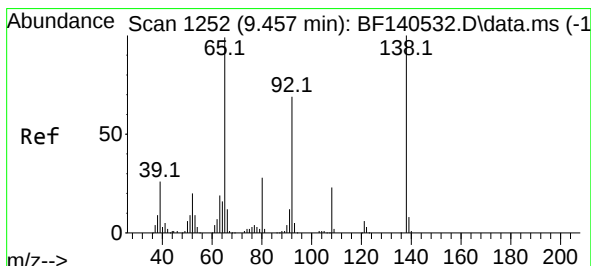
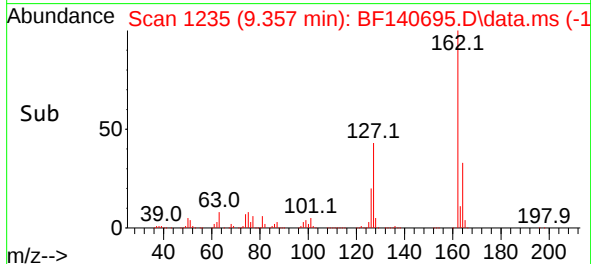
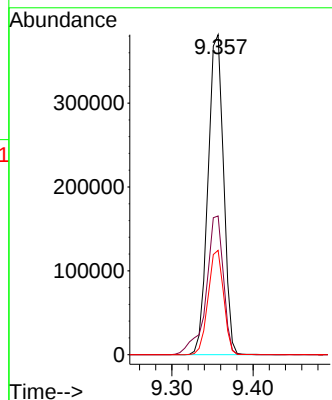
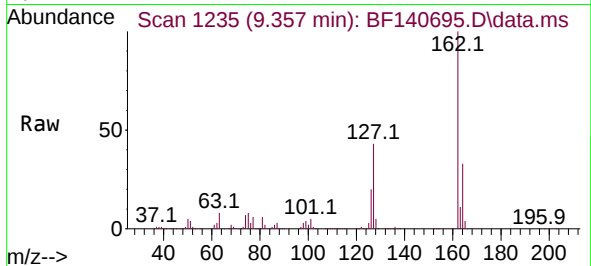
STOCK-PILEMSD

Tgt Ion:162 Resp: 507039  
Ion Ratio Lower Upper  
162 100  
127 43.4 35.7 53.5  
164 32.6 26.1 39.1

Manual Integrations

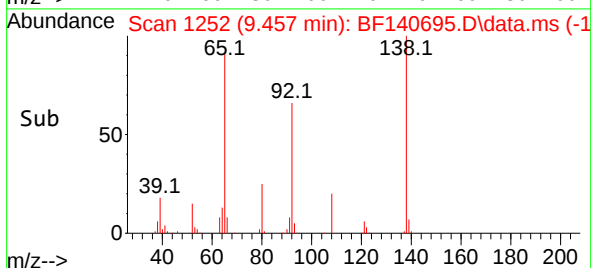
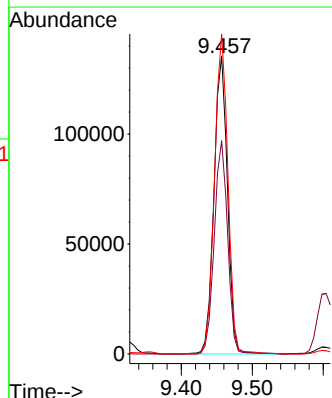
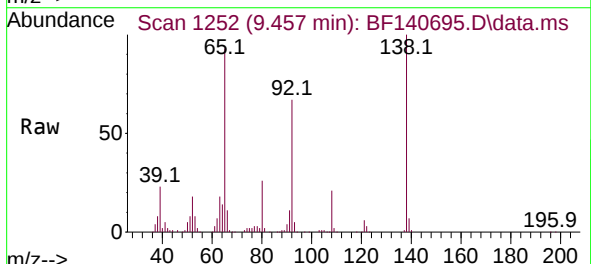
APPROVED

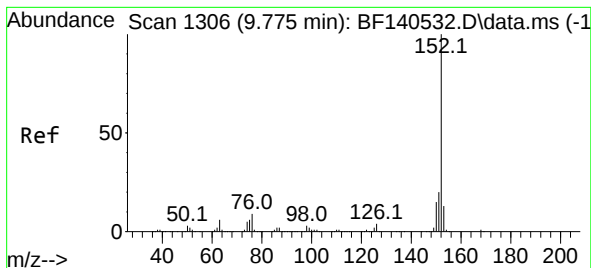
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#48  
2-Nitroaniline  
Concen: 55.589 ng  
RT: 9.457 min Scan# 1252  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion: 65 Resp: 178640  
Ion Ratio Lower Upper  
65 100  
92 71.5 56.1 84.1  
138 107.4 81.0 121.6





#49

Acenaphthylene

Concen: 56.485 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion:152 Resp: 85446

Ion Ratio Lower Upper

152 100

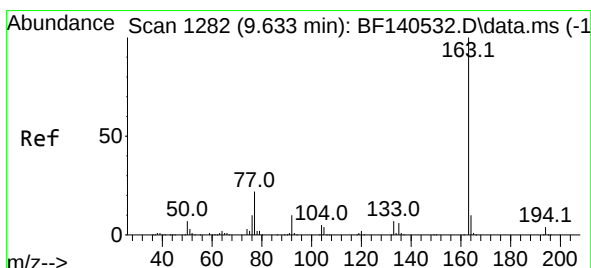
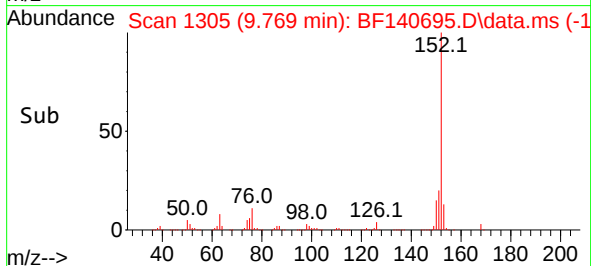
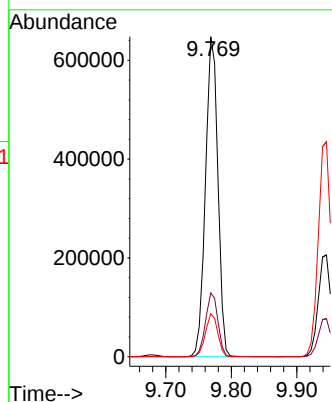
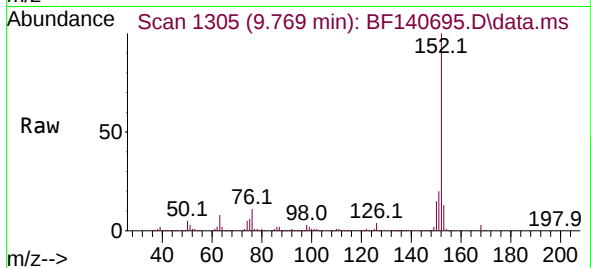
151 20.0 15.9 23.9

153 13.4 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#50

Dimethylphthalate

Concen: 56.354 ng

RT: 9.627 min Scan# 1281

Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

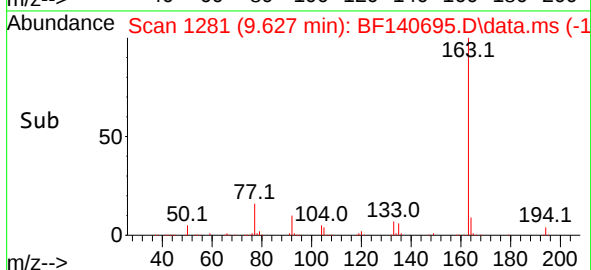
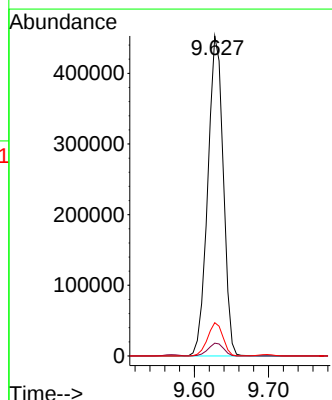
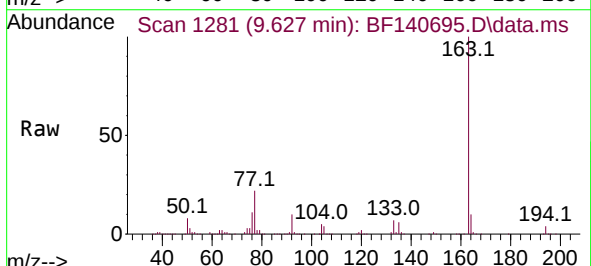
Tgt Ion:163 Resp: 656836

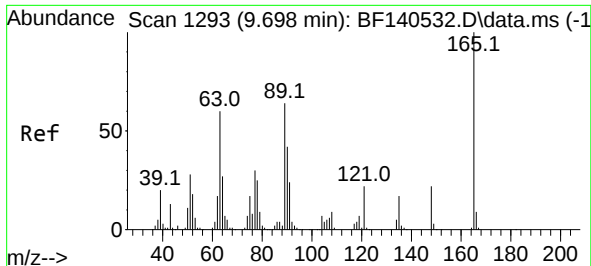
Ion Ratio Lower Upper

163 100

194 4.0 3.1 4.7

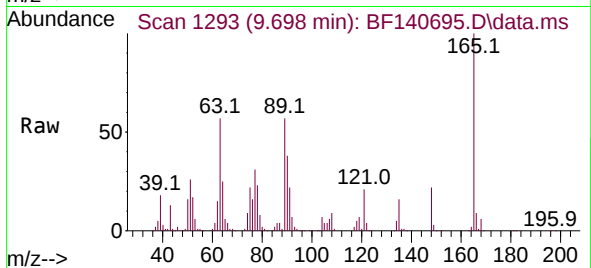
164 10.4 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 53.612 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

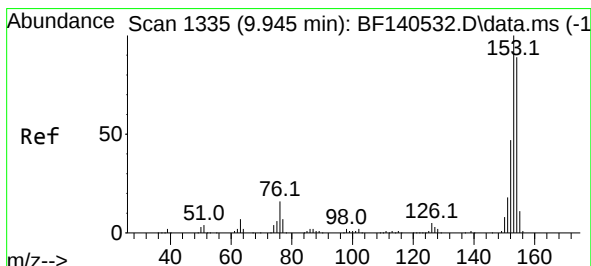
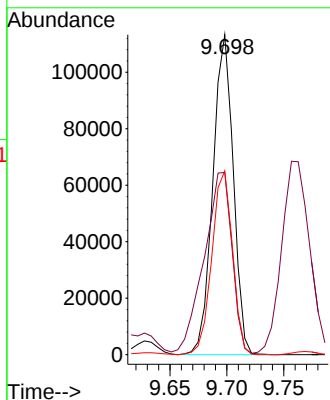
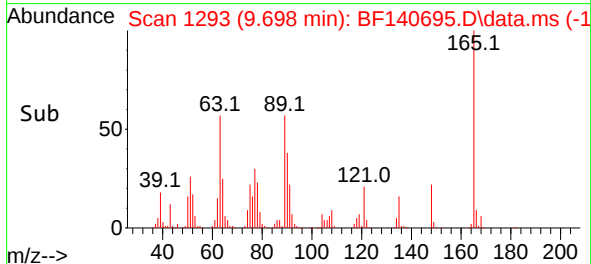
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



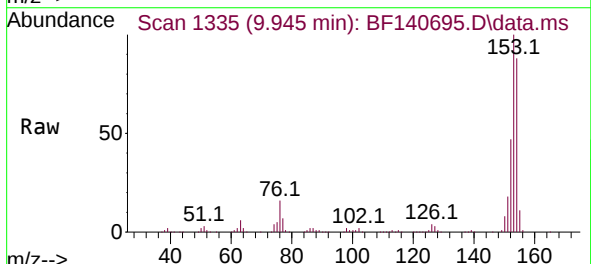
Tgt Ion:165 Resp: 14171  
Ion Ratio Lower Upper  
165 100  
63 56.9 49.9 74.9  
89 57.4 50.9 76.3

Manual Integrations  
APPROVED

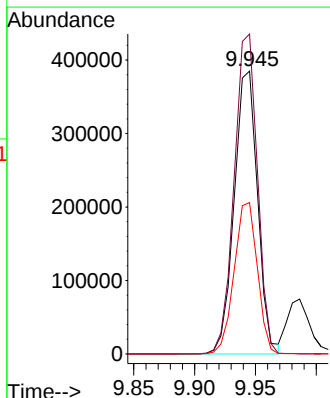
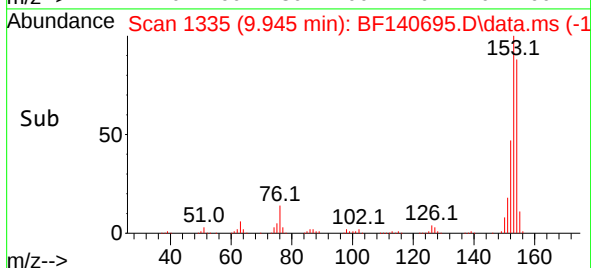
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

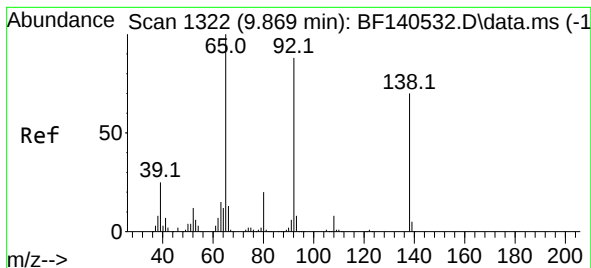


#52  
Acenaphthene  
Concen: 53.701 ng  
RT: 9.945 min Scan# 1335  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:154 Resp: 516156  
Ion Ratio Lower Upper  
154 100  
153 113.1 89.7 134.5  
152 53.5 42.5 63.7





#53

3-Nitroaniline

Concen: 33.211 ng

RT: 9.869 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion:138 Resp: 85862

Ion Ratio Lower Upper

138 100

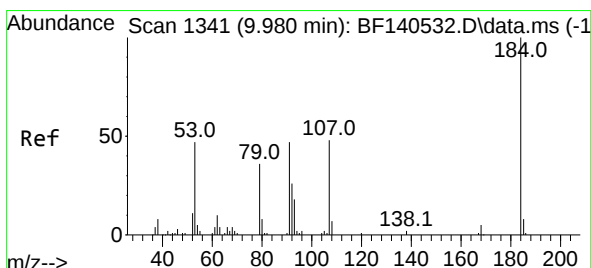
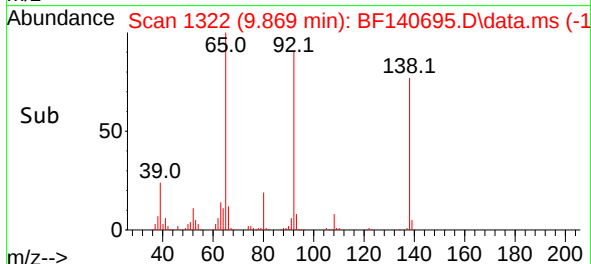
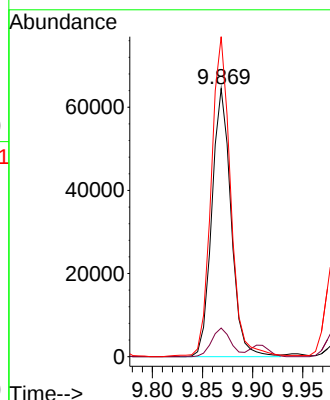
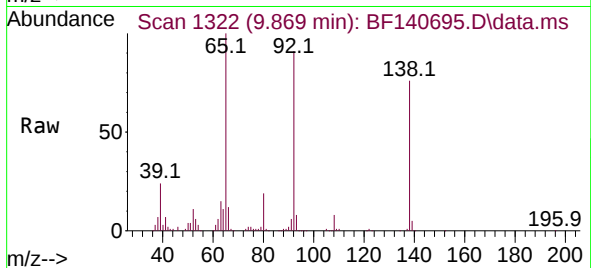
108 10.7 9.2 13.8

92 119.3 100.6 150.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#54

2,4-Dinitrophenol

Concen: 111.238 ng

RT: 9.986 min Scan# 1342

Delta R.T. 0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

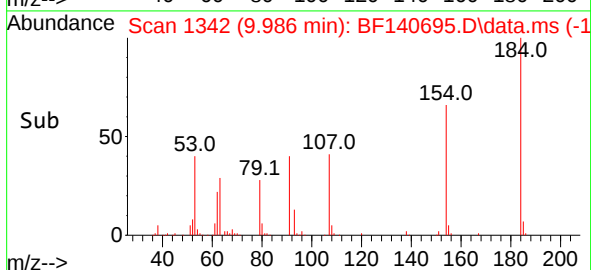
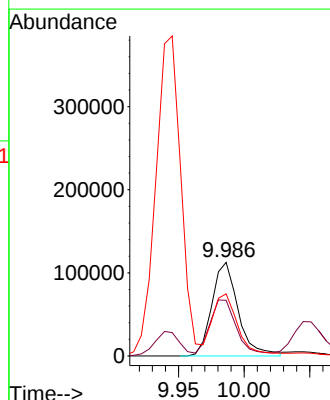
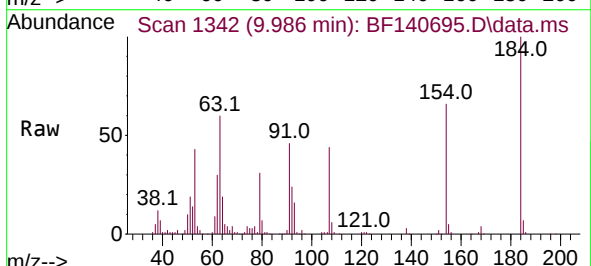
Tgt Ion:184 Resp: 156924

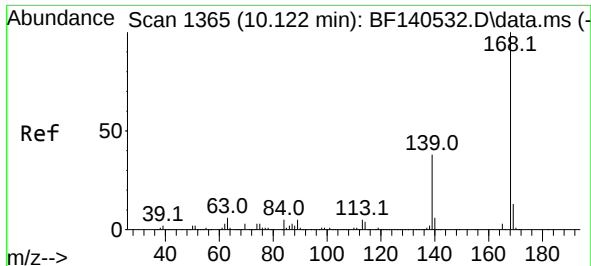
Ion Ratio Lower Upper

184 100

63 59.6 54.1 81.1

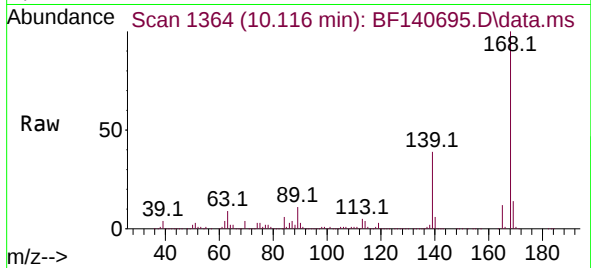
154 66.3 57.4 86.0





#55  
Dibenzofuran  
Concen: 53.397 ng  
RT: 10.116 min Scan# 1364  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

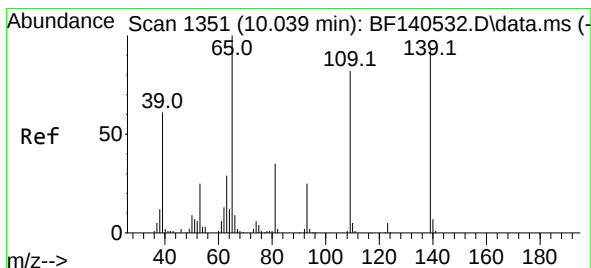
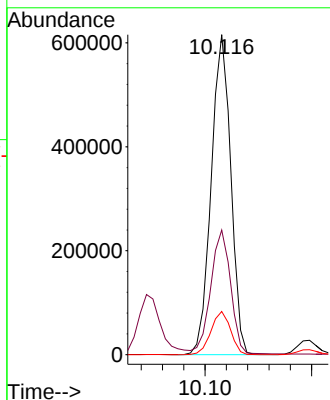
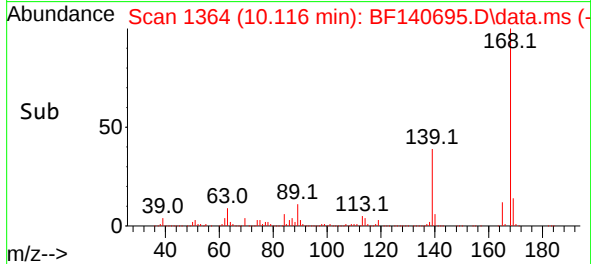
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:168 Resp: 782849  
Ion Ratio Lower Upper  
168 100  
139 38.9 31.3 46.9  
169 13.5 10.5 15.7

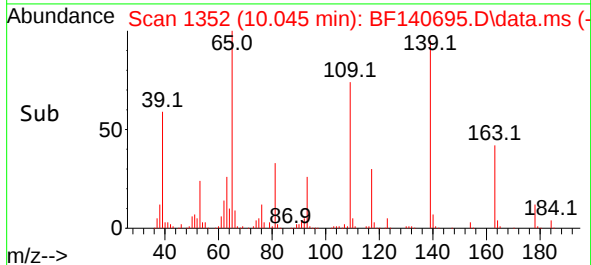
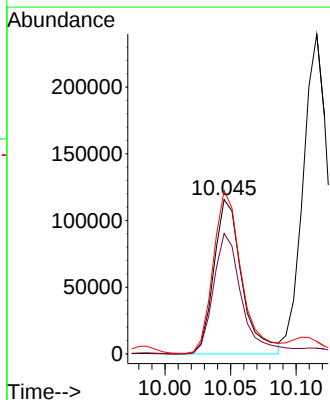
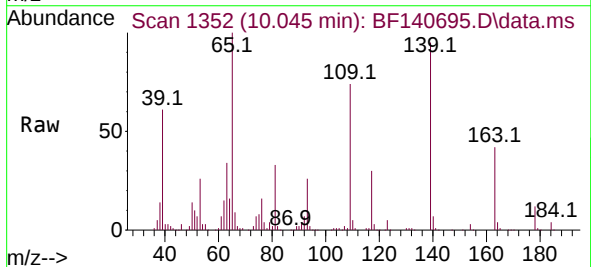
Manual Integrations  
APPROVED

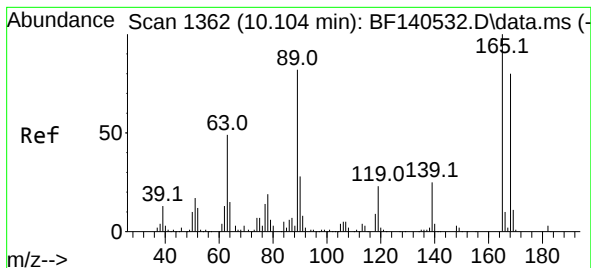
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#56  
4-Nitrophenol  
Concen: 97.314 ng  
RT: 10.045 min Scan# 1352  
Delta R.T. 0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:139 Resp: 171586  
Ion Ratio Lower Upper  
139 100  
109 78.0 68.4 108.4  
65 105.8 88.6 128.6





#57  
2,4-Dinitrotoluene  
Concen: 56.094 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

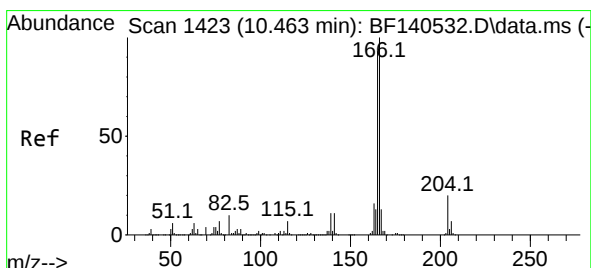
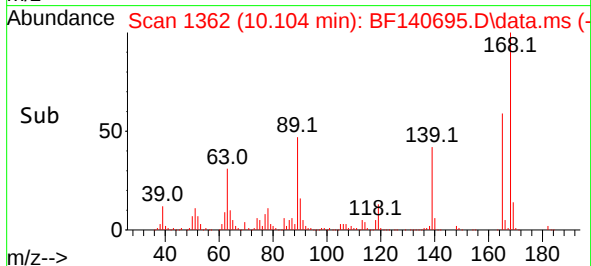
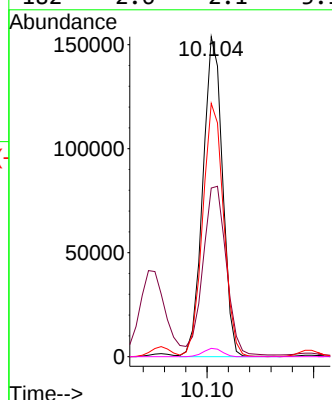
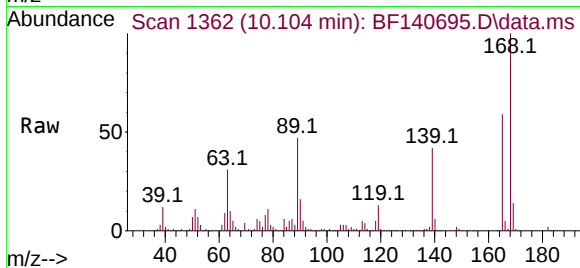
STOCK-PILEMSD

Tgt Ion:165 Resp: 197060  
Ion Ratio Lower Upper  
165 100  
63 52.7 41.7 62.5  
89 79.1 65.8 98.8  
182 2.6 2.1 3.1

Manual Integrations

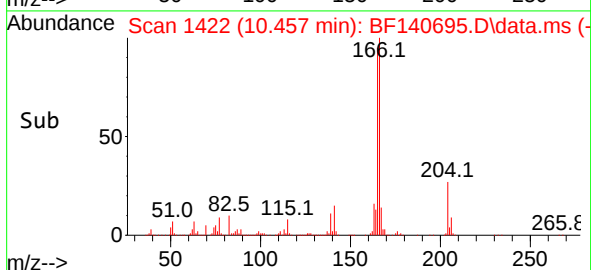
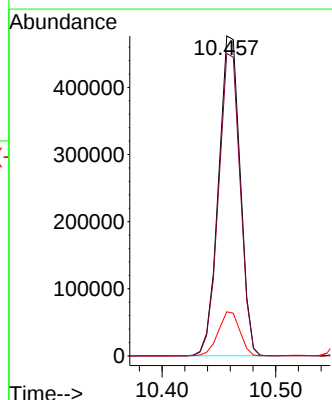
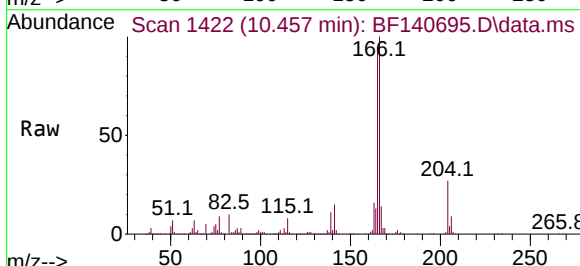
APPROVED

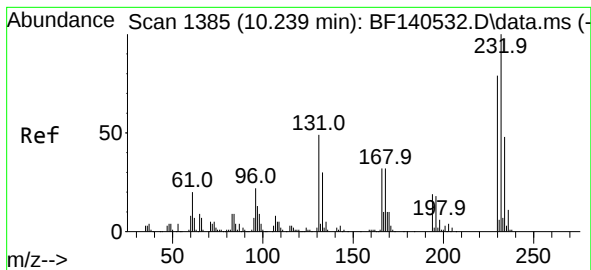
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#58  
Fluorene  
Concen: 53.583 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

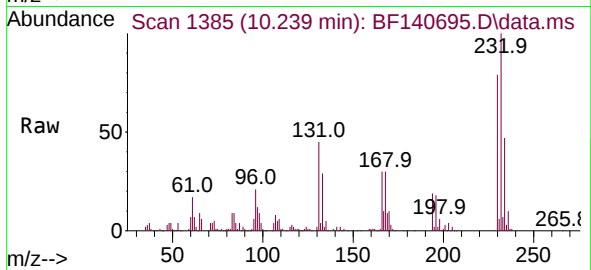
Tgt Ion:166 Resp: 630558  
Ion Ratio Lower Upper  
166 100  
165 94.6 74.6 111.8  
167 13.8 10.6 16.0





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 61.737 ng  
RT: 10.239 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

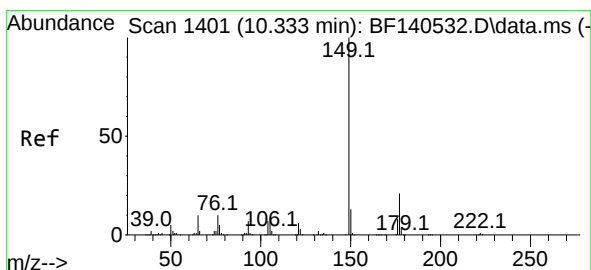
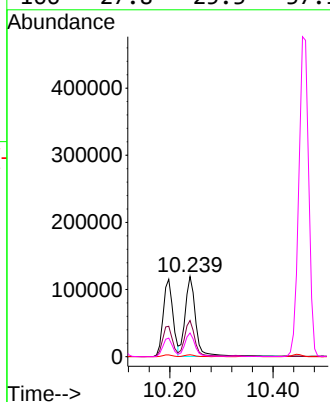
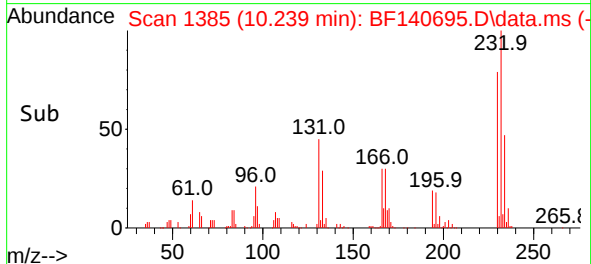
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:232 Resp: 167401  
Ion Ratio Lower Upper  
232 100  
131 44.3 39.6 59.4  
130 2.4 1.9 2.9  
166 27.8 25.3 37.9

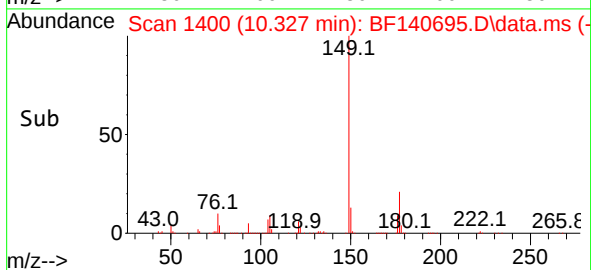
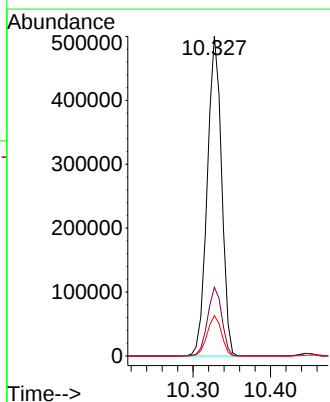
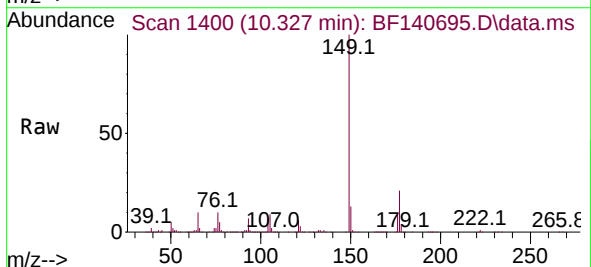
Manual Integrations  
APPROVED

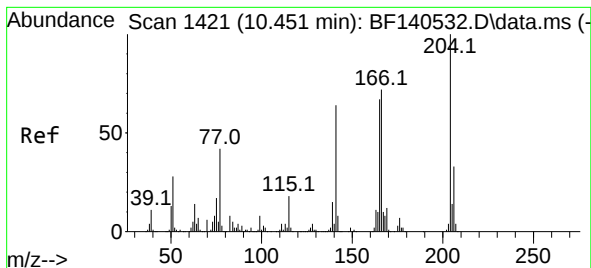
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#60  
Diethylphthalate  
Concen: 54.137 ng  
RT: 10.327 min Scan# 1400  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

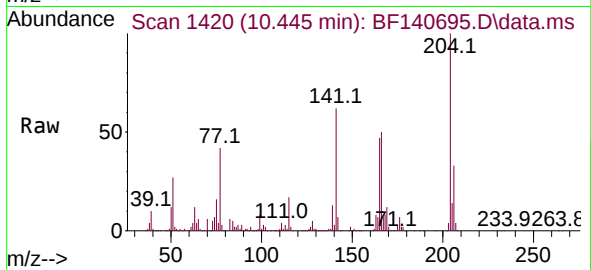
Tgt Ion:149 Resp: 641097  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 53.148 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

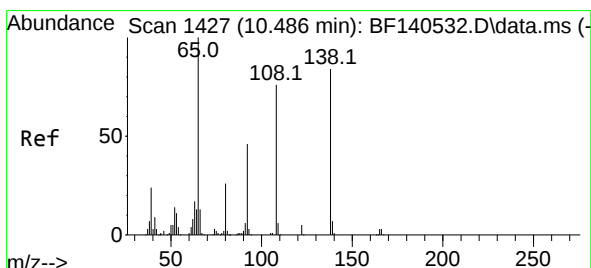
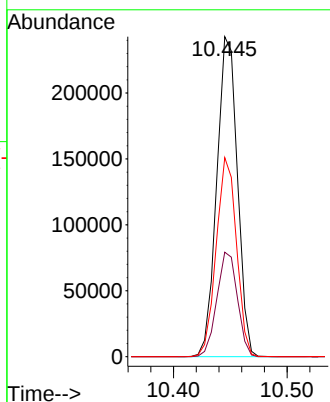
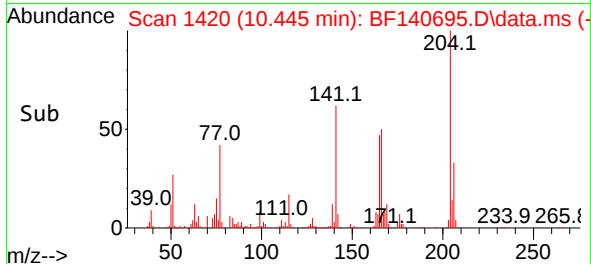
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:204 Resp: 306939  
Ion Ratio Lower Upper  
204 100  
206 32.6 26.6 40.0  
141 62.2 51.1 76.7

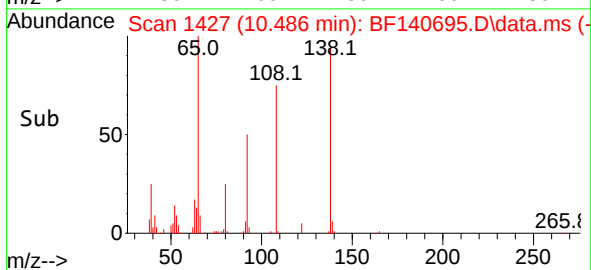
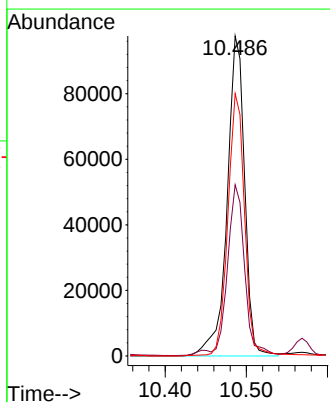
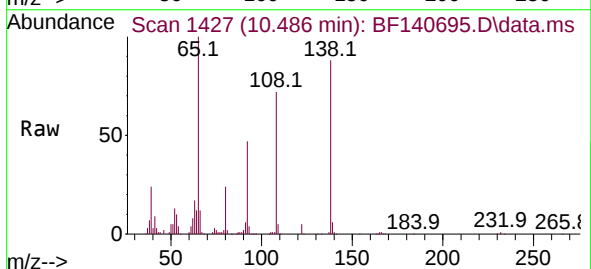
Manual Integrations  
APPROVED

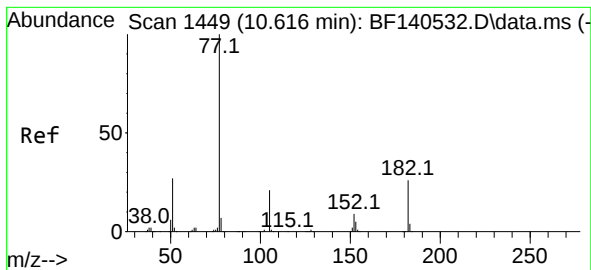
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#62  
4-Nitroaniline  
Concen: 53.890 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

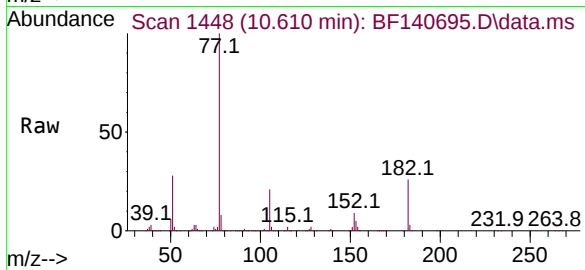
Tgt Ion:138 Resp: 146126  
Ion Ratio Lower Upper  
138 100  
92 53.5 34.5 74.5  
108 82.0 70.6 110.6





#63  
Azobenzene  
Concen: 54.840 ng  
RT: 10.610 min Scan# 1449  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

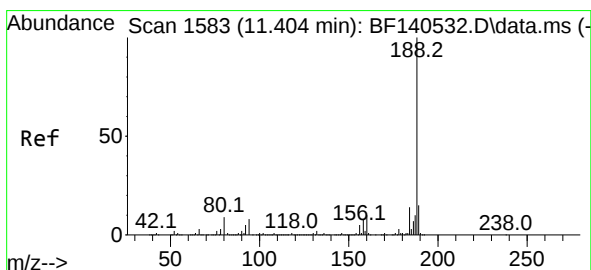
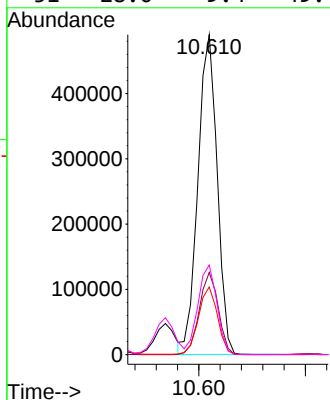
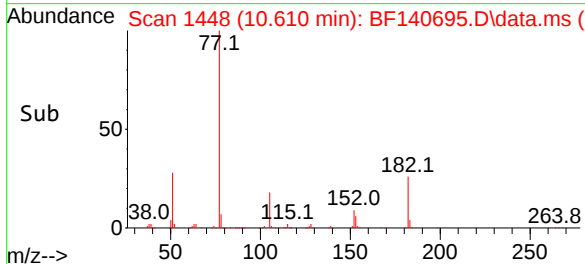
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



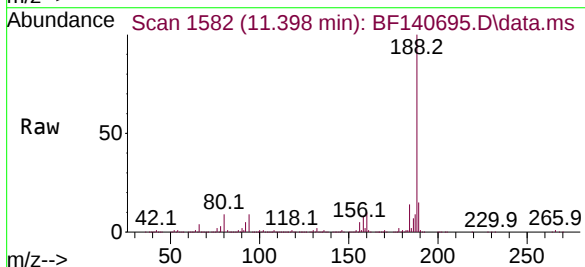
Tgt Ion: 77 Resp: 61500  
Ion Ratio Lower Upper  
77 100  
182 25.7 5.3 45.3  
105 21.1 0.3 40.3  
51 28.0 9.4 49.4

Manual Integrations  
APPROVED

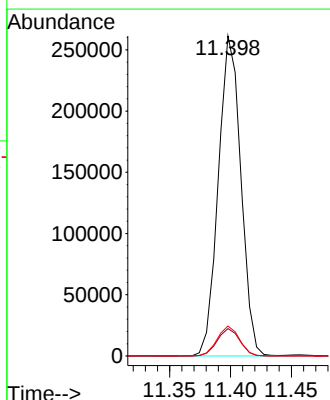
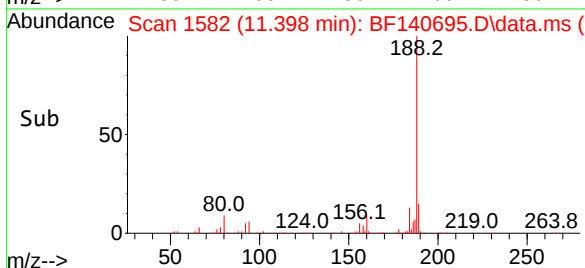
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

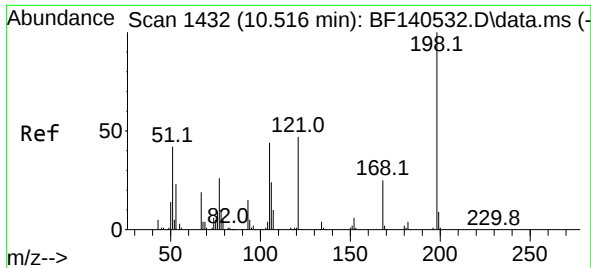


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 1582  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:188 Resp: 336744  
Ion Ratio Lower Upper  
188 100  
94 8.6 6.4 9.6  
80 9.4 6.9 10.3





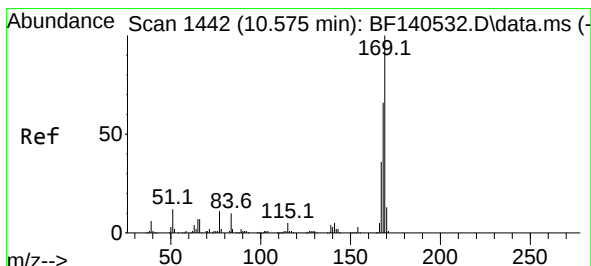
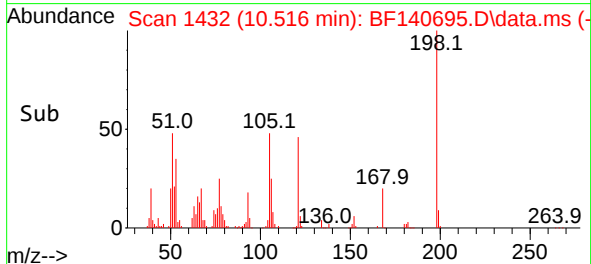
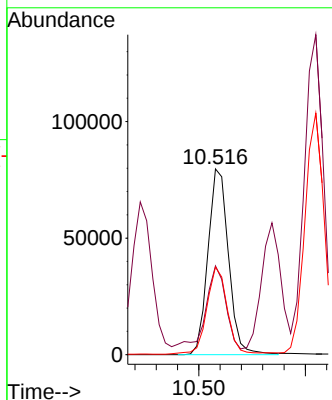
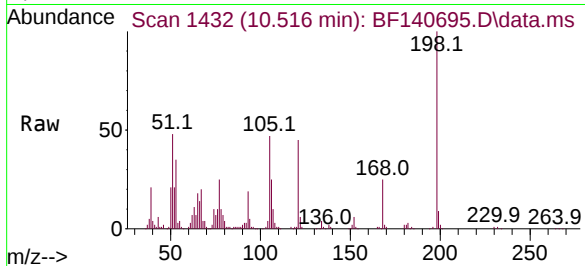
#65  
4,6-Dinitro-2-methylphenol  
Concen: 62.227 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:198 Resp: 107078  
Ion Ratio Lower Upper  
198 100  
51 47.8 29.4 69.4  
105 47.2 25.4 65.4

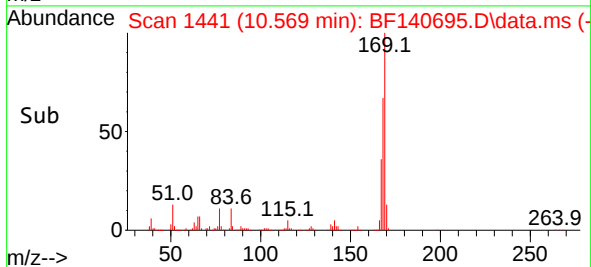
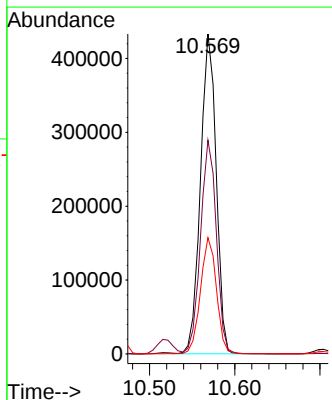
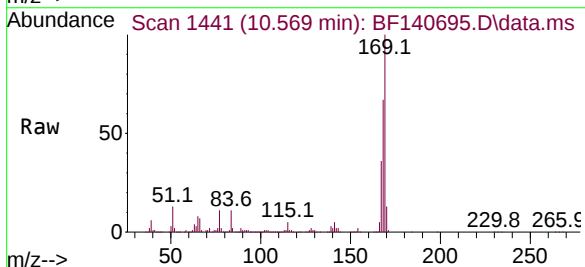
Manual Integrations  
APPROVED

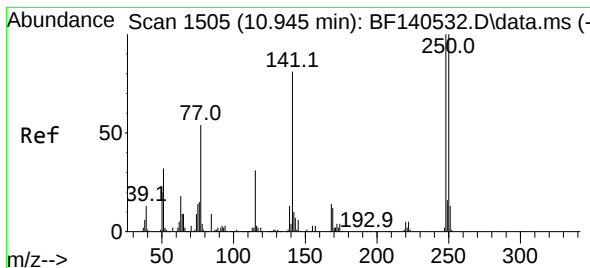
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#66  
n-Nitrosodiphenylamine  
Concen: 55.711 ng  
RT: 10.569 min Scan# 1441  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

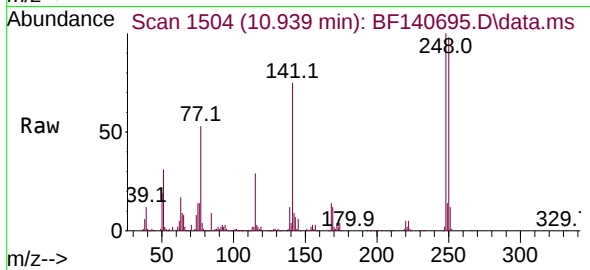
Tgt Ion:169 Resp: 554790  
Ion Ratio Lower Upper  
169 100  
168 66.8 53.2 79.8  
167 36.3 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 54.024 ng  
RT: 10.939 min Scan# 1504  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

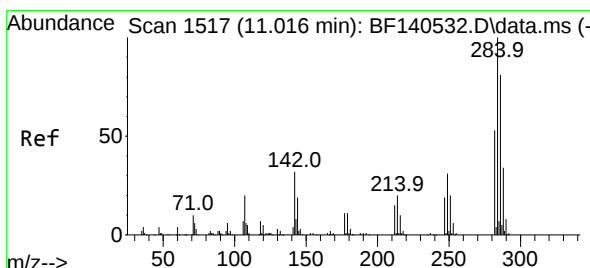
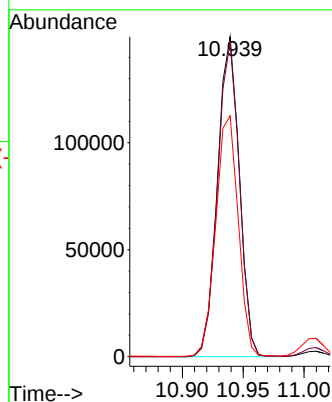
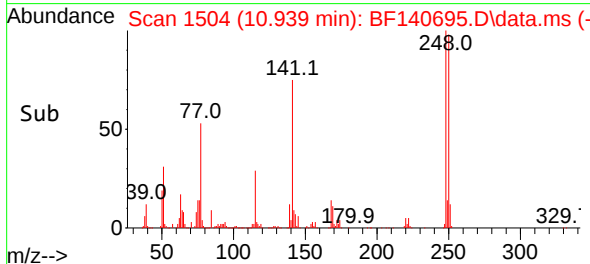
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:248 Resp: 187354  
Ion Ratio Lower Upper  
248 100  
250 98.2 79.8 119.8  
141 75.3 64.7 97.1

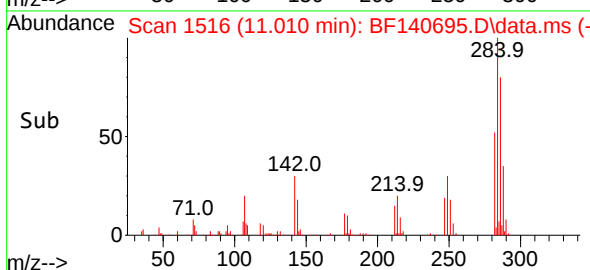
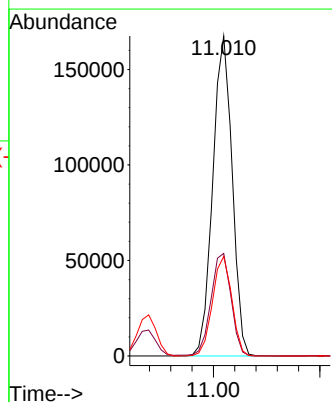
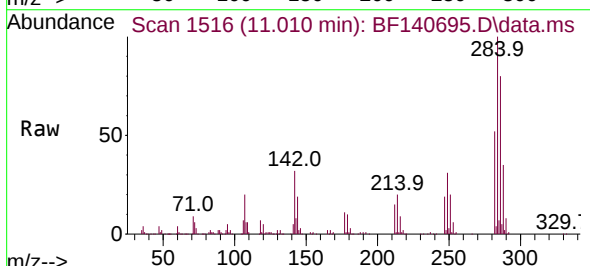
Manual Integrations  
APPROVED

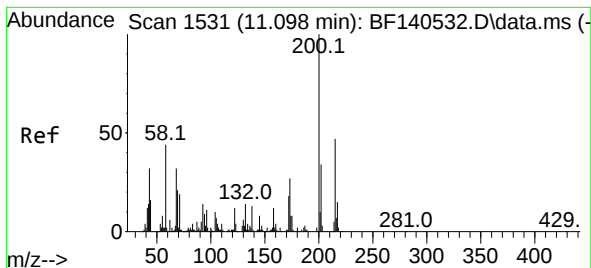
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#68  
Hexachlorobenzene  
Concen: 52.622 ng  
RT: 11.010 min Scan# 1516  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:284 Resp: 211306  
Ion Ratio Lower Upper  
284 100  
142 32.1 25.3 37.9  
249 31.1 24.8 37.2





#69

Atrazine

Concen: 58.764 ng

RT: 11.098 min Scan# 1531

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion:200 Resp: 164620

Ion Ratio Lower Upper

200 100

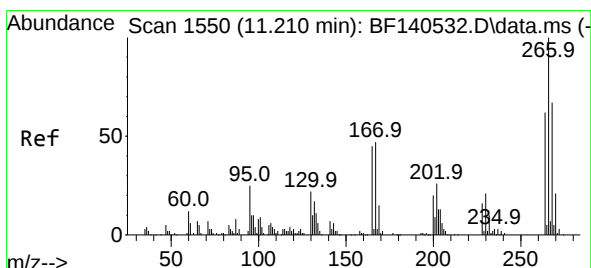
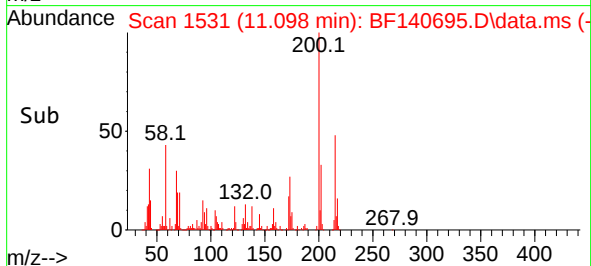
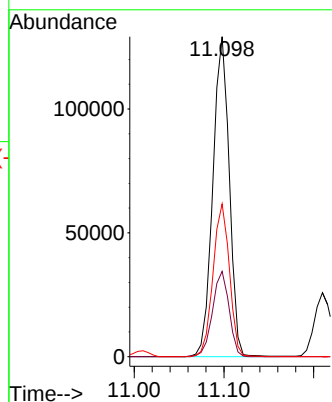
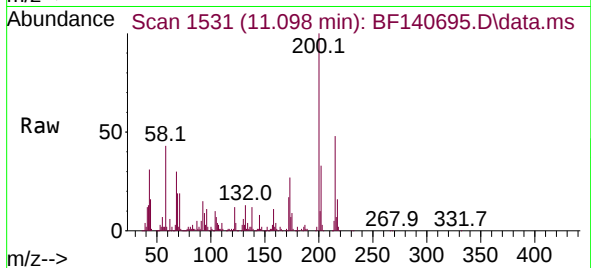
173 26.7 7.0 47.0

215 47.8 26.7 66.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#70

Pentachlorophenol

Concen: 112.423 ng

RT: 11.210 min Scan# 1550

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

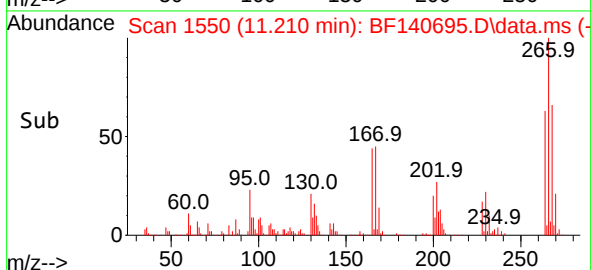
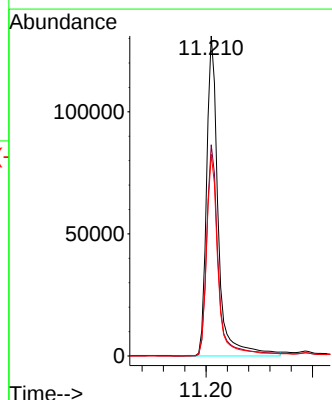
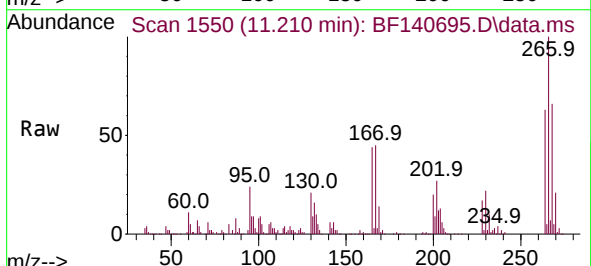
Tgt Ion:266 Resp: 198690

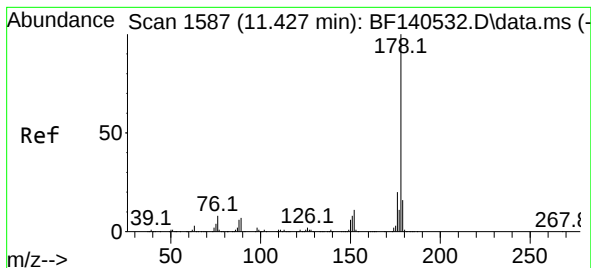
Ion Ratio Lower Upper

266 100

268 66.0 53.7 80.5

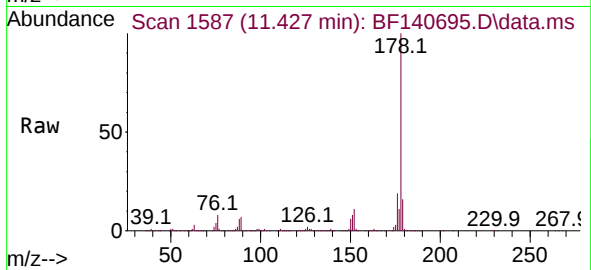
264 63.0 49.8 74.8





#71  
Phenanthrene  
Concen: 55.716 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

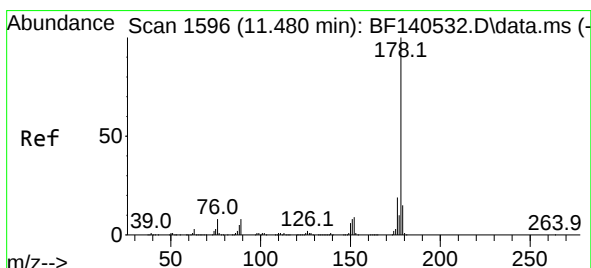
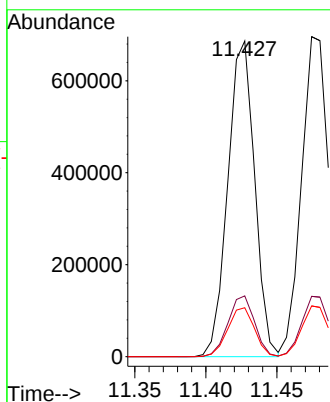
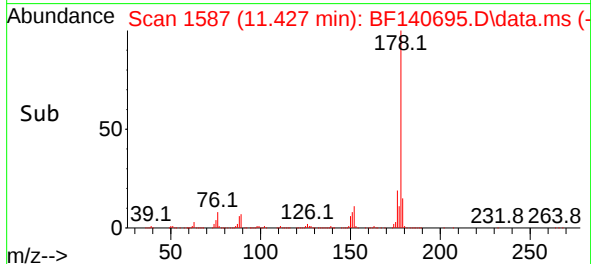
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



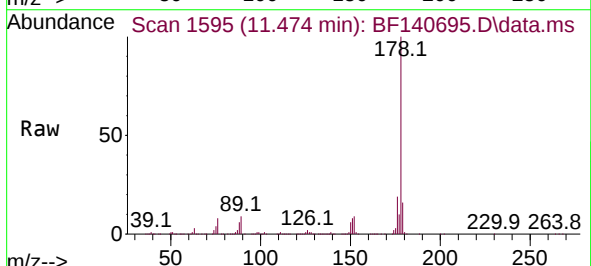
Tgt Ion:178 Resp: 901870  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.8 23.6  
179 15.5 12.4 18.6

Manual Integrations  
APPROVED

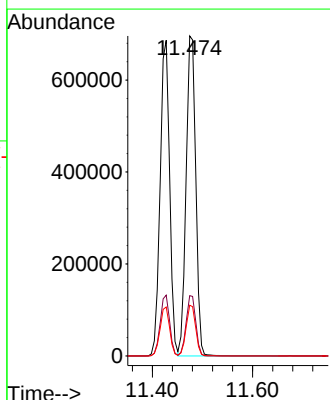
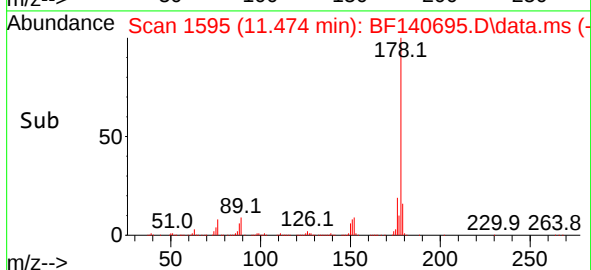
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

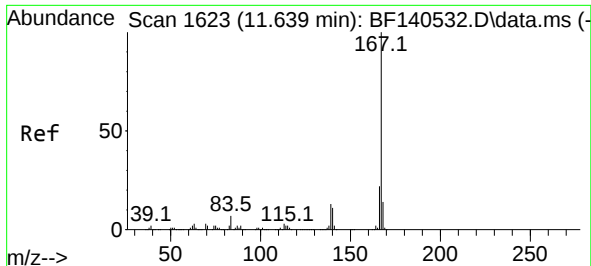


#72  
Anthracene  
Concen: 58.535 ng  
RT: 11.474 min Scan# 1595  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



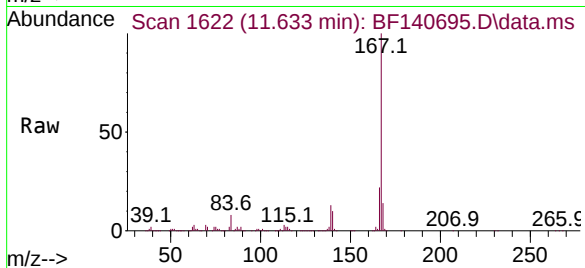
Tgt Ion:178 Resp: 926836  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.0 22.4  
179 15.8 12.2 18.4





#73  
 Carbazole  
 Concen: 55.810 ng  
 RT: 11.633 min Scan# 1622  
 Delta R.T. -0.006 min  
 Lab File: BF140695.D  
 Acq: 02 Dec 2024 18:05

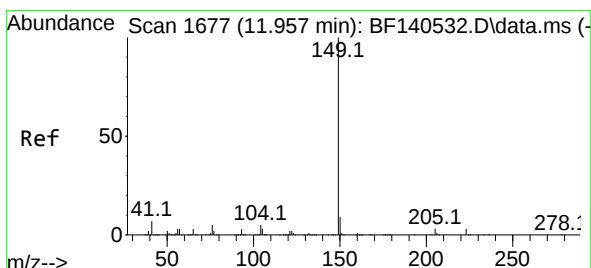
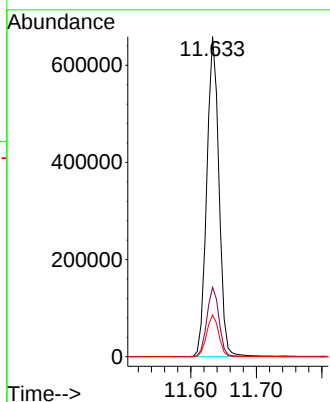
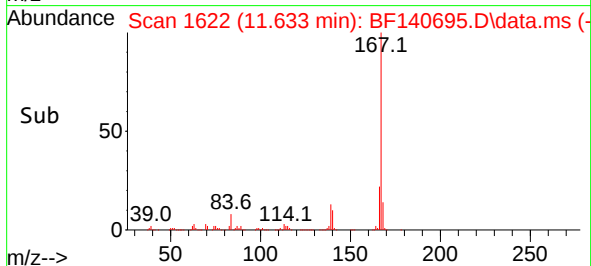
Instrument :  
 BNA\_F  
 ClientSampleId :  
 STOCK-PILEMSD



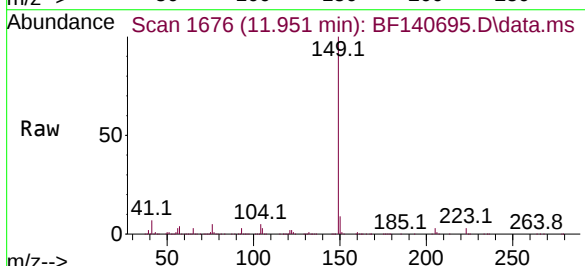
Tgt Ion:167 Resp: 850110  
 Ion Ratio Lower Upper  
 167 100  
 166 21.7 17.2 25.8  
 139 13.1 10.6 15.8

Manual Integrations  
 APPROVED

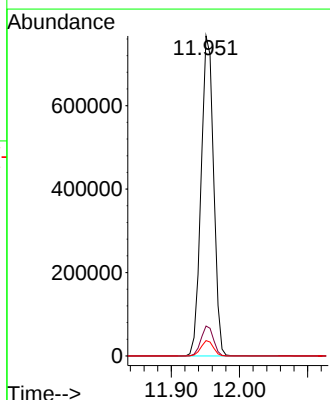
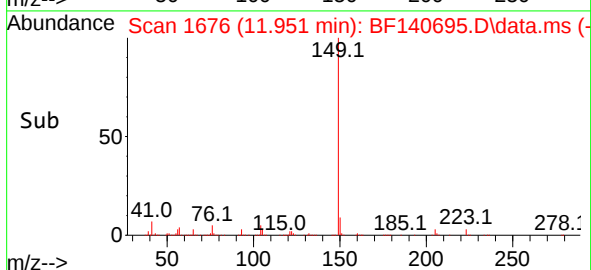
Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024

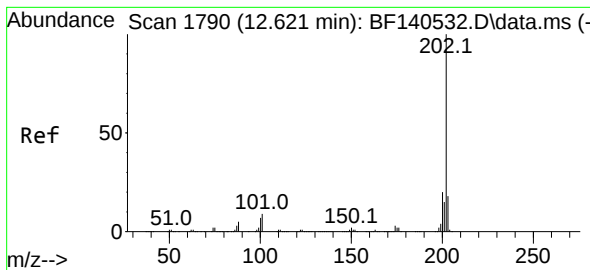


#74  
 Di-n-butylphthalate  
 Concen: 55.862 ng  
 RT: 11.951 min Scan# 1676  
 Delta R.T. -0.006 min  
 Lab File: BF140695.D  
 Acq: 02 Dec 2024 18:05



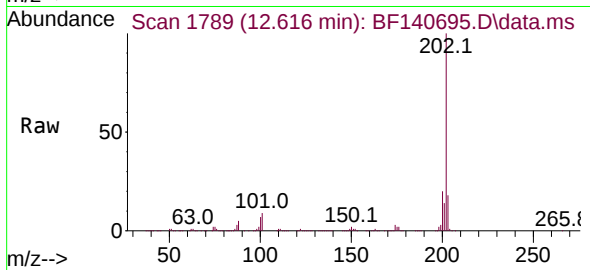
Tgt Ion:149 Resp: 982367  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.5 11.3  
 104 4.8 4.1 6.1





#75  
Fluoranthene  
Concen: 56.586 ng  
RT: 12.616 min Scan# 1789  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

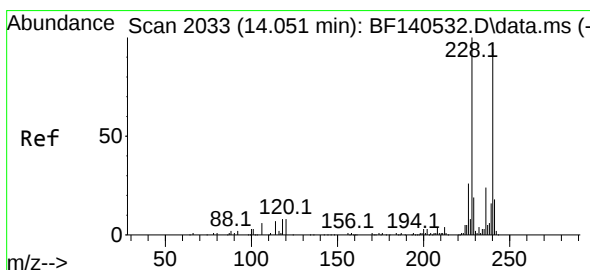
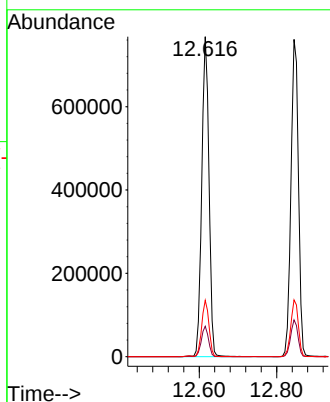
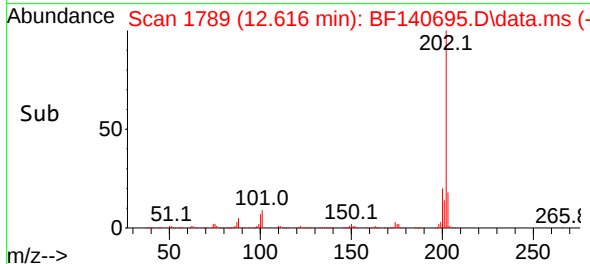
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



Tgt Ion:202 Resp: 994490  
Ion Ratio Lower Upper  
202 100  
101 9.5 0.0 28.9  
203 17.6 0.0 37.6

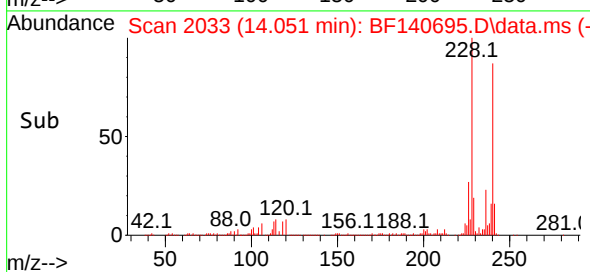
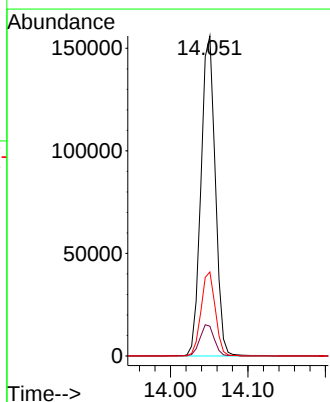
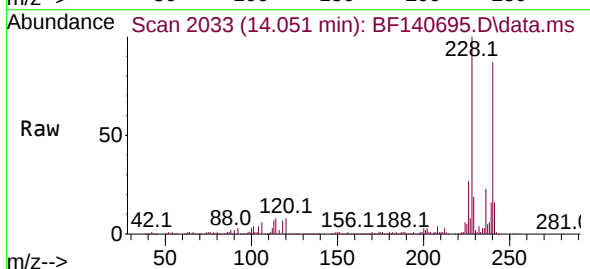
Manual Integrations  
APPROVED

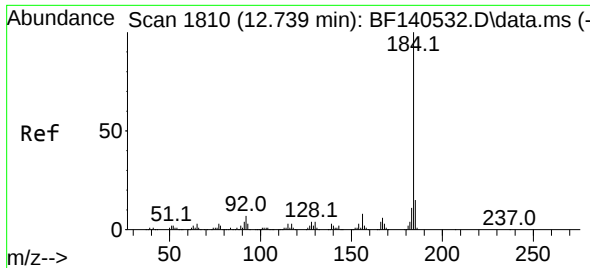
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:240 Resp: 200045  
Ion Ratio Lower Upper  
240 100  
120 9.3 7.3 10.9  
236 26.3 20.6 31.0





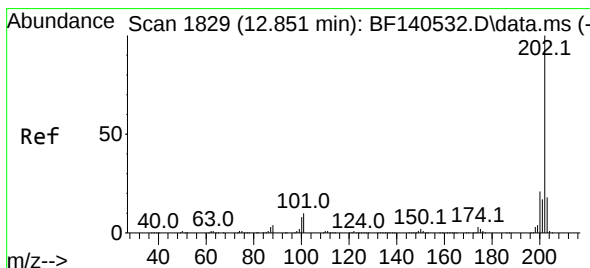
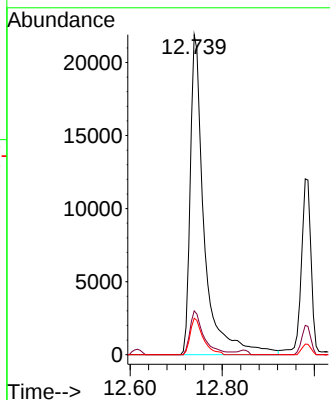
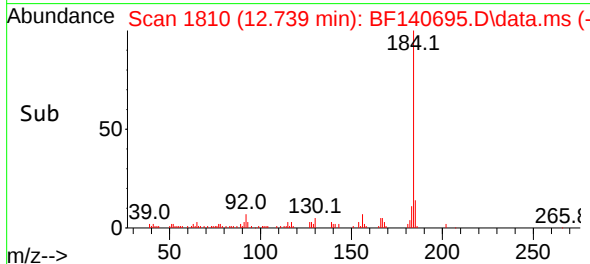
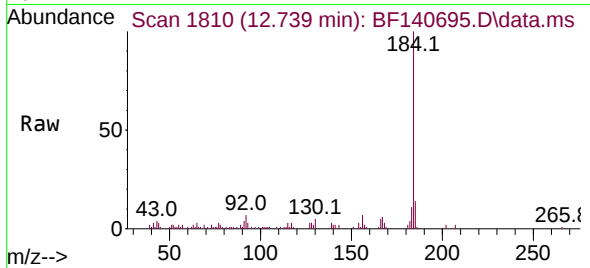
#77  
Benzidine  
Concen: 7.956 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD

Tgt Ion:184 Resp: 46272  
Ion Ratio Lower Upper  
184 100  
185 13.7 11.7 17.5  
183 11.4 8.8 13.2

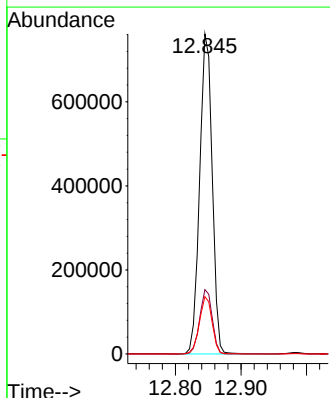
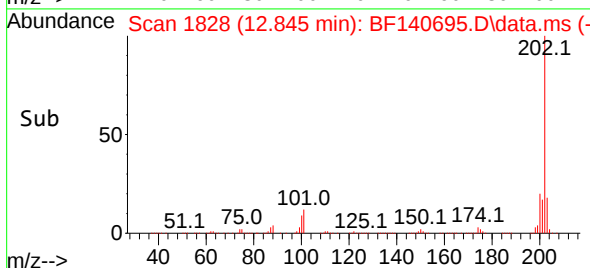
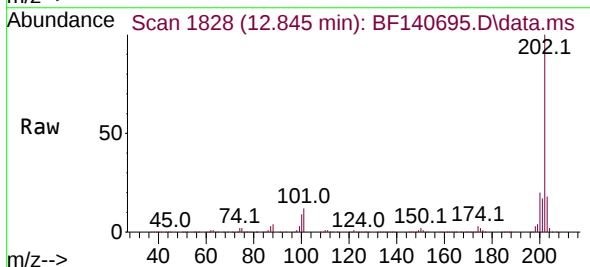
Manual Integrations  
APPROVED

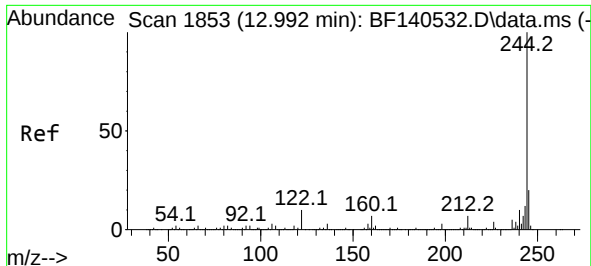
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#78  
Pyrene  
Concen: 54.901 ng  
RT: 12.845 min Scan# 1828  
Delta R.T. -0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:202 Resp: 1015492  
Ion Ratio Lower Upper  
202 100  
200 20.1 16.5 24.7  
203 17.9 14.2 21.4





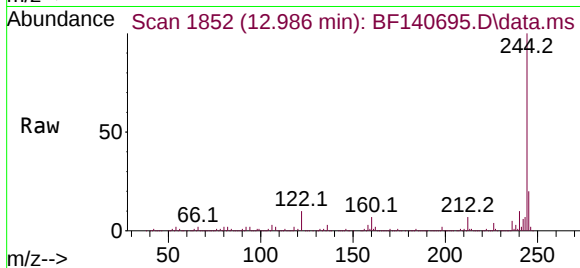
#79  
 Terphenyl-d14  
 Concen: 94.761 ng  
 RT: 12.986 min Scan# 1852  
 Delta R.T. -0.006 min  
 Lab File: BF140695.D  
 Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

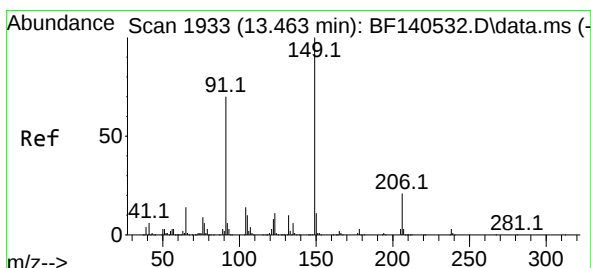
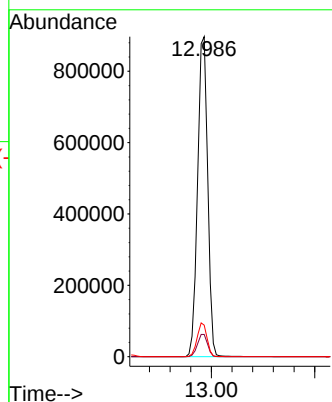
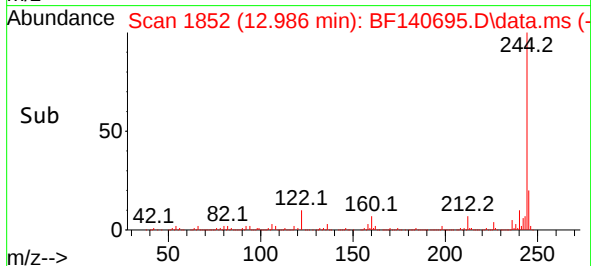


Tgt Ion:244 Resp: 1217400  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.8  
 122 9.9 8.0 12.0

Manual Integrations

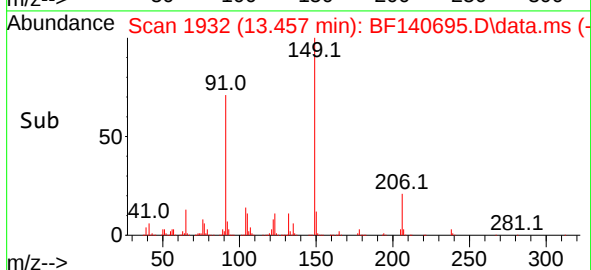
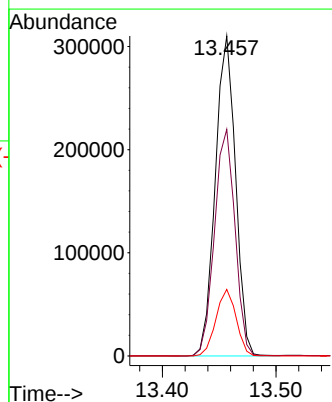
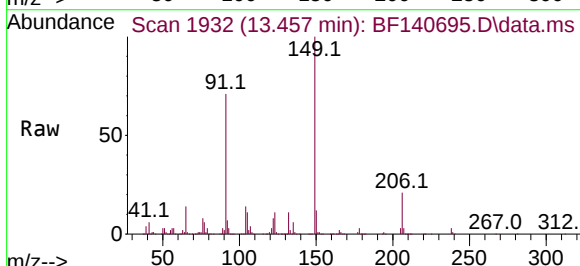
APPROVED

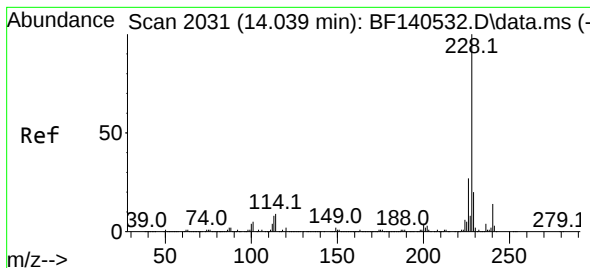
Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#80  
 Butylbenzylphthalate  
 Concen: 57.818 ng  
 RT: 13.457 min Scan# 1932  
 Delta R.T. -0.006 min  
 Lab File: BF140695.D  
 Acq: 02 Dec 2024 18:05

Tgt Ion:149 Resp: 385256  
 Ion Ratio Lower Upper  
 149 100  
 91 70.8 56.2 84.2  
 206 20.8 16.4 24.6





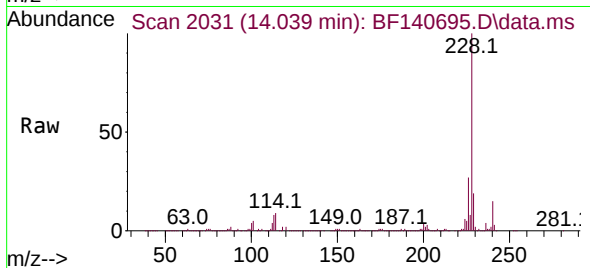
#81  
Benzo(a)anthracene  
Concen: 57.904 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

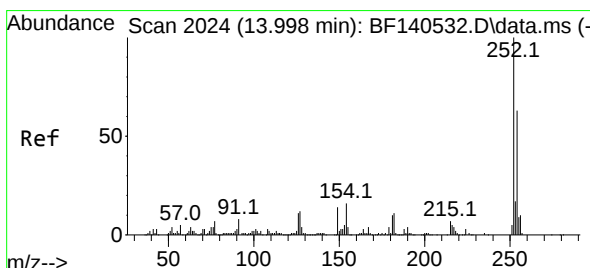
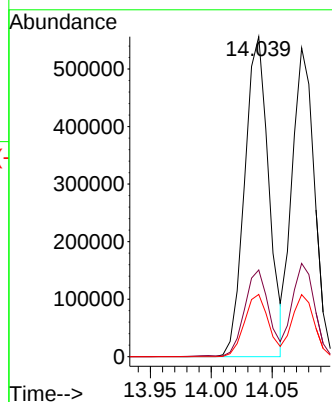
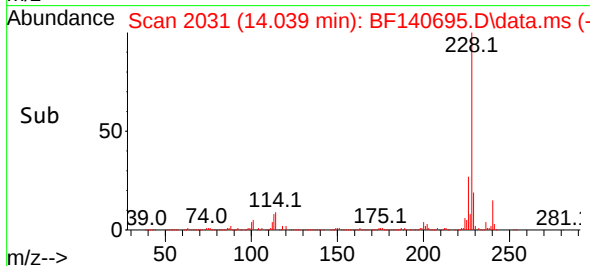


Tgt Ion:228 Resp: 766780  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.8 32.8  
229 19.5 15.8 23.6

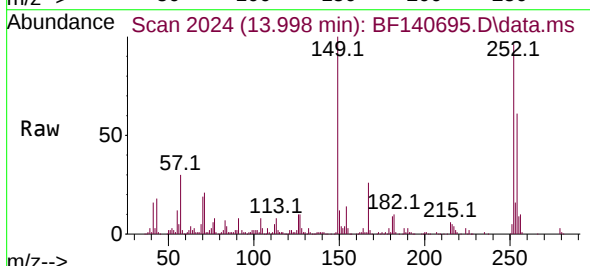
Manual Integrations

APPROVED

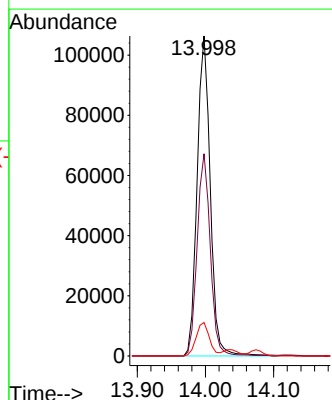
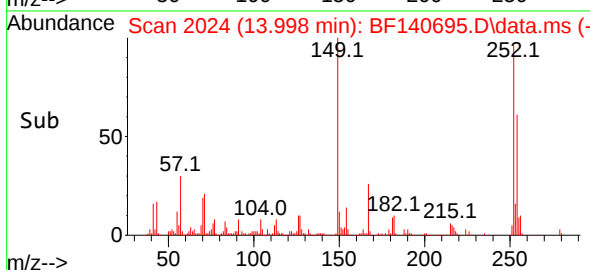
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024

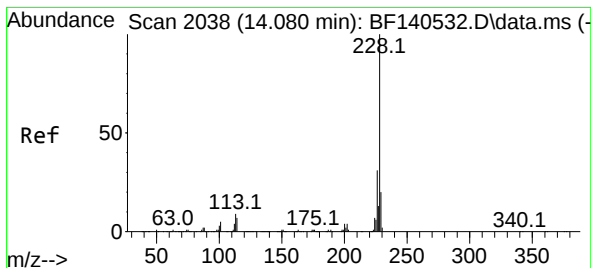


#82  
3,3'-Dichlorobenzidine  
Concen: 35.657 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:252 Resp: 141767  
Ion Ratio Lower Upper  
252 100  
254 63.2 50.8 76.2  
126 10.4 8.6 13.0





#83

Chrysene

Concen: 56.564 ng

RT: 14.074 min Scan# 2038

Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

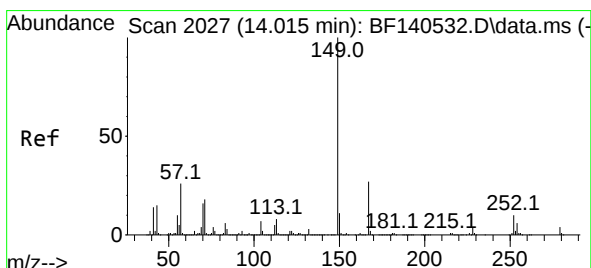
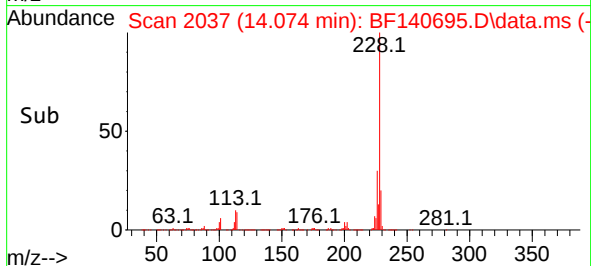
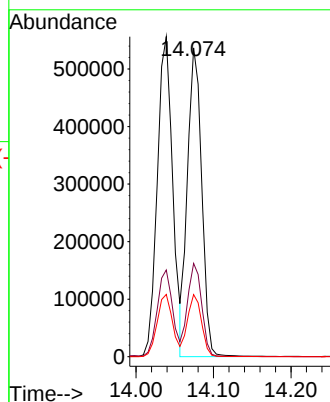
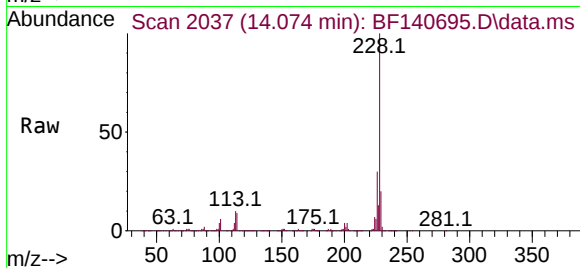
STOCK-PILEMSD

Tgt Ion:228 Resp: 684899  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 24.4 36.6  
 229 20.1 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
 Supervised By :mohammad ahmed 12/05/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 59.339 ng

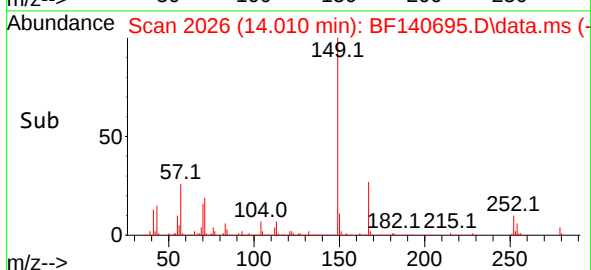
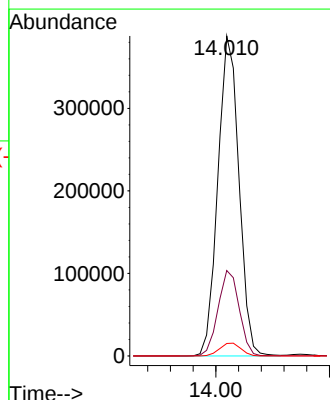
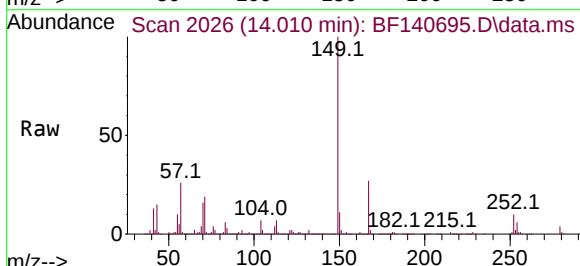
RT: 14.010 min Scan# 2026

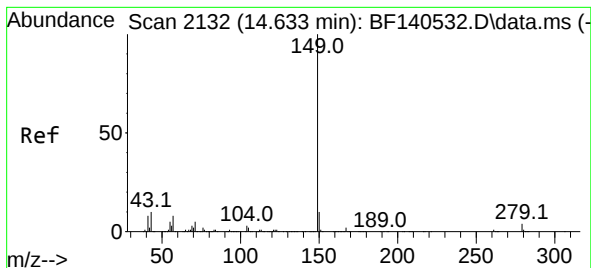
Delta R.T. -0.006 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Tgt Ion:149 Resp: 499259  
 Ion Ratio Lower Upper  
 149 100  
 167 26.7 21.2 31.8  
 279 3.9 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 60.795 ng

RT: 14.633 min Scan# 2132

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

Tgt Ion:149 Resp: 69905

Ion Ratio Lower Upper

149 100

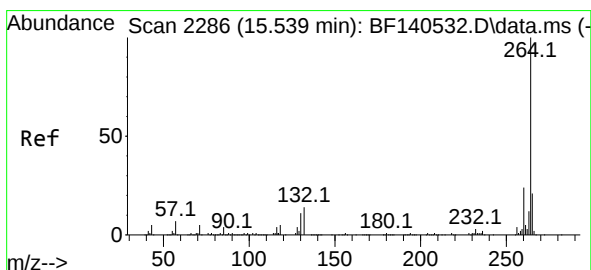
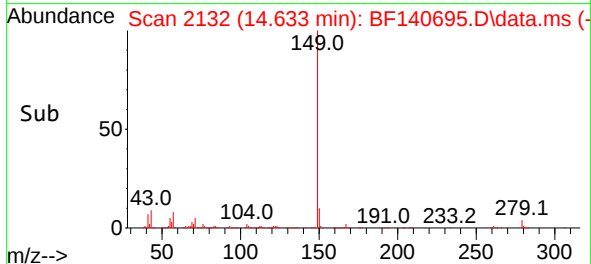
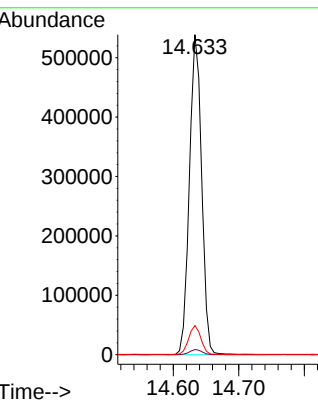
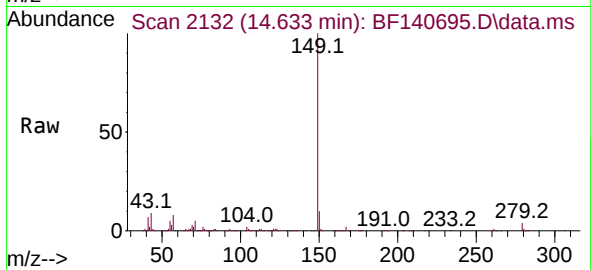
167 1.6 1.3 1.9

43 8.9 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2286

Delta R.T. -0.000 min

Lab File: BF140695.D

Acq: 02 Dec 2024 18:05

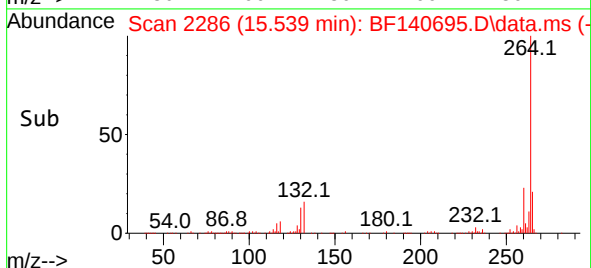
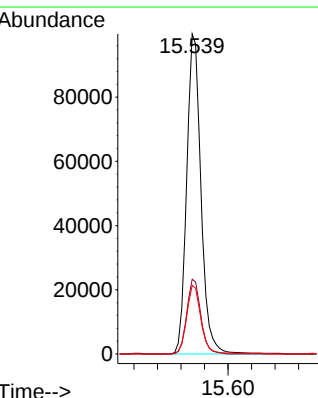
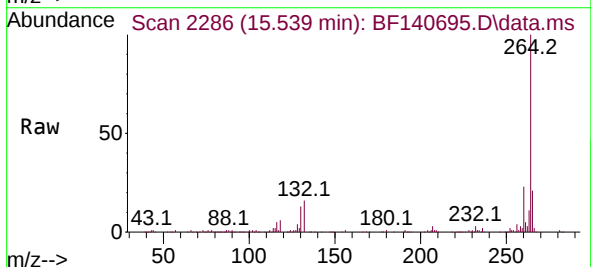
Tgt Ion:264 Resp: 168091

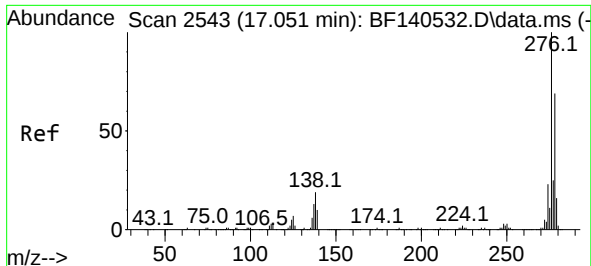
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.6

265 21.5 16.6 25.0





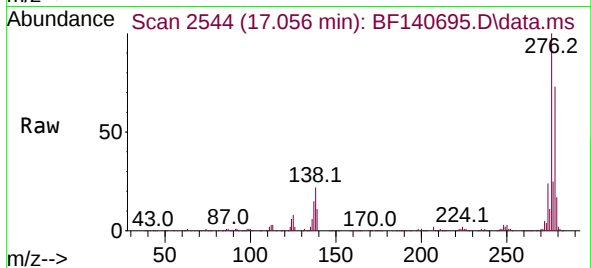
#87  
Indeno(1,2,3-cd)pyrene  
Concen: 55.112 ng  
RT: 17.056 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

STOCK-PILEMSD

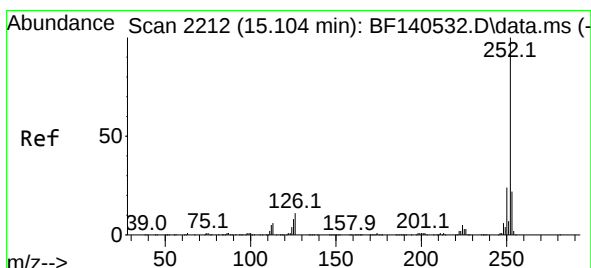
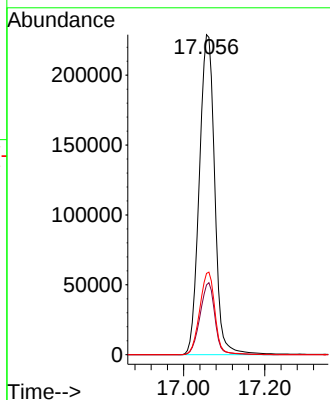
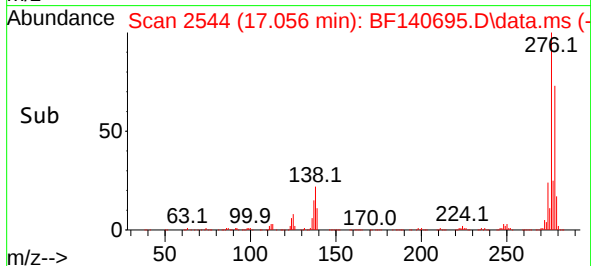


Tgt Ion:276 Resp: 603719  
Ion Ratio Lower Upper  
276 100  
138 21.7 15.5 23.3  
277 25.3 20.1 30.1

Manual Integrations

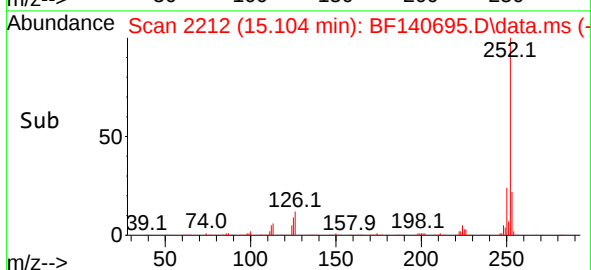
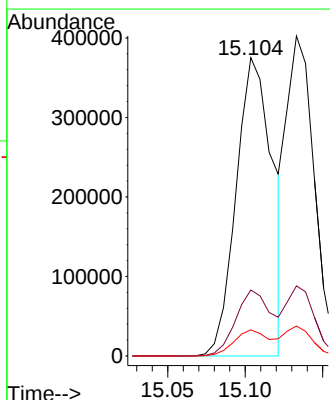
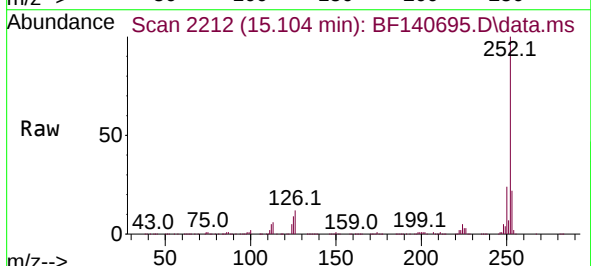
APPROVED

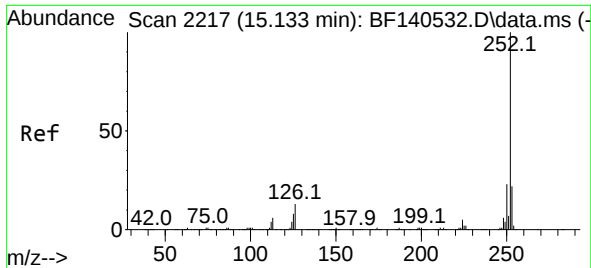
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#88  
Benzo(b)fluoranthene  
Concen: 58.031 ng  
RT: 15.104 min Scan# 2212  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Tgt Ion:252 Resp: 612688  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.2 25.8  
125 8.7 6.7 10.1





#89  
Benzo(k)fluoranthene  
Concen: 54.966 ng  
RT: 15.133 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

Instrument :

BNA\_F

ClientSampleId :

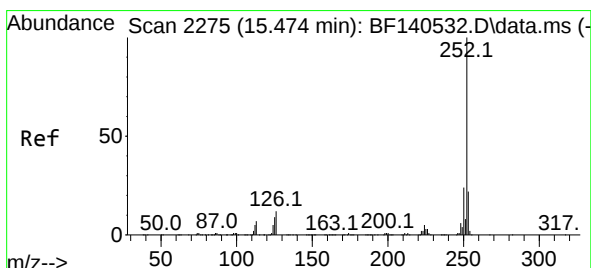
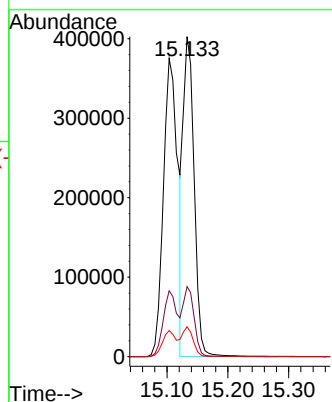
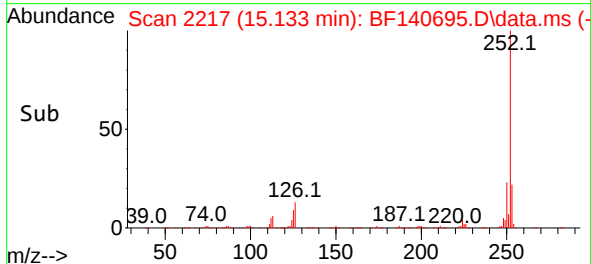
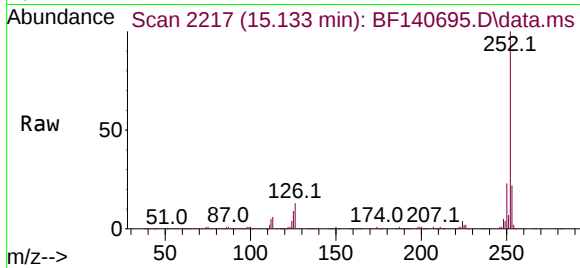
STOCK-PILEMSD

Tgt Ion:252 Resp: 50784  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 9.3 6.5 9.7

Manual Integrations

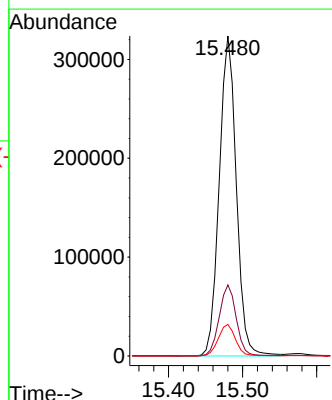
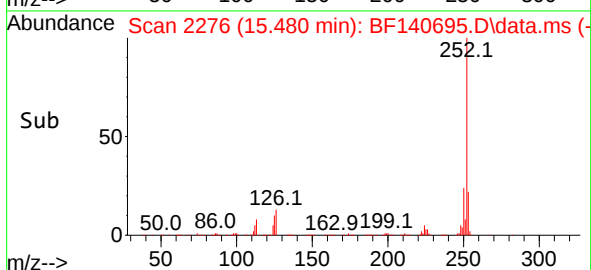
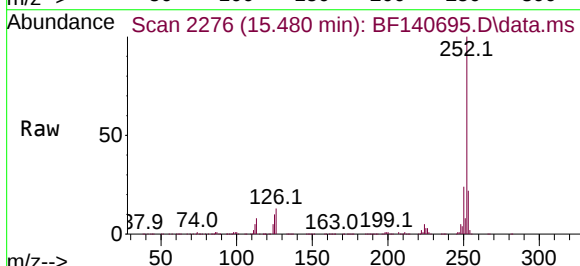
APPROVED

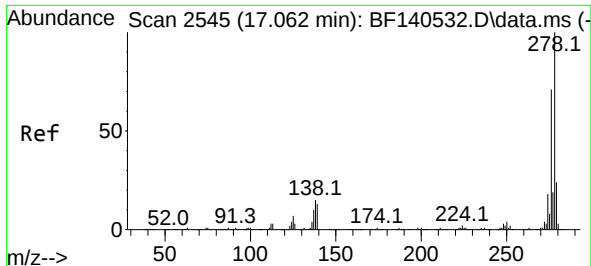
Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#90  
Benzo(a)pyrene  
Concen: 60.353 ng  
RT: 15.480 min Scan# 2276  
Delta R.T. 0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

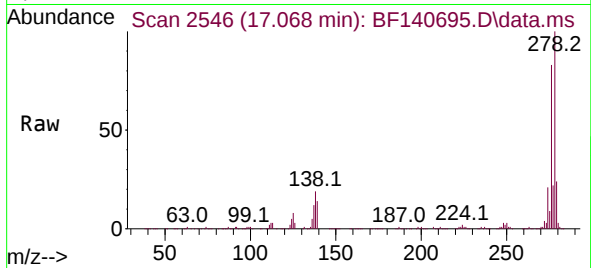
Tgt Ion:252 Resp: 518106  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.3 25.9  
125 9.8 7.0 10.6





#91  
Dibenzo(a,h)anthracene  
Concen: 54.437 ng  
RT: 17.068 min Scan# 2545  
Delta R.T. 0.006 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05

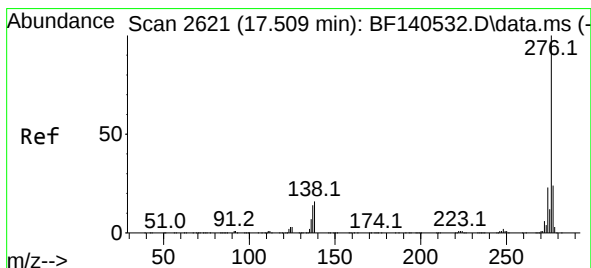
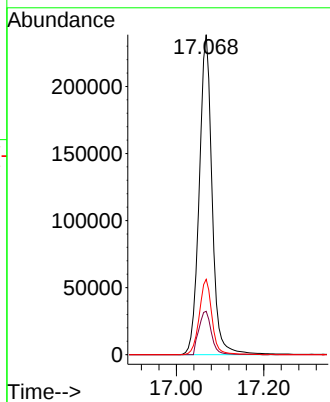
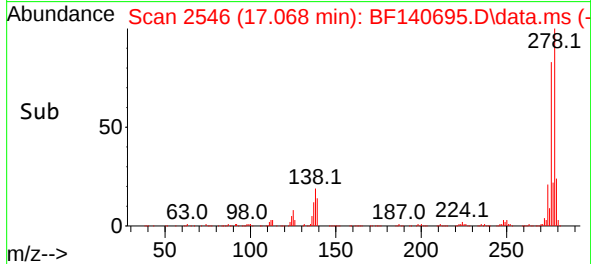
Instrument :  
BNA\_F  
ClientSampleId :  
STOCK-PILEMSD



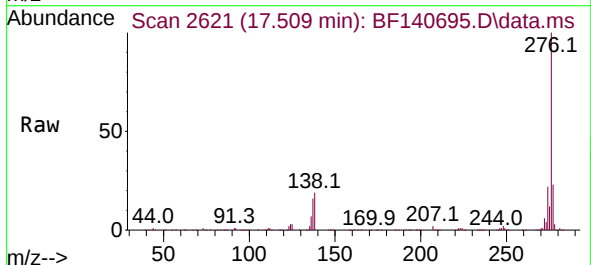
Tgt Ion:278 Resp: 488360  
Ion Ratio Lower Upper  
278 100  
139 13.5 10.2 15.4  
279 23.5 18.9 28.3

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2024  
Supervised By :mohammad ahmed 12/05/2024



#92  
Benzo(g,h,i)perylene  
Concen: 50.217 ng  
RT: 17.509 min Scan# 2621  
Delta R.T. -0.000 min  
Lab File: BF140695.D  
Acq: 02 Dec 2024 18:05



Tgt Ion:276 Resp: 459711  
Ion Ratio Lower Upper  
276 100  
277 23.1 18.9 28.3  
138 19.2 13.2 19.8

