

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112124\  
 Data File : BF140532.D  
 Acq On : 21 Nov 2024 12:58  
 Operator : RC/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024

Quant Time: Nov 21 15:12:33 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 14:50:10 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.875  | 152  | 107516   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.157  | 136  | 413408   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 234407   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 437466   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.051 | 240  | 239343   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.539 | 264  | 211422   | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.498  | 112  | 504816   | 80.111 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.516  | 99   | 688812   | 82.684 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 648845   | 80.281 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 202517   | 80.781 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 1210929  | 76.969 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1228064  | 79.896 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.652  | 88   | 105183   | 39.700 | ng    | 100      |
| 3) Pyridine                   | 3.422  | 79   | 256255   | 43.959 | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.381  | 42   | 139435   | 40.698 | ng    | 100      |
| 6) Aniline                    | 6.540  | 93   | 268994   | 45.875 | ng    | 100      |
| 8) 2-Chlorophenol             | 6.663  | 128  | 275937   | 40.702 | ng    | 100      |
| 9) Benzaldehyde               | 6.428  | 77   | 158653   | 35.975 | ng    | 100      |
| 10) Phenol                    | 6.528  | 94   | 358490   | 42.137 | ng    | 100      |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 267847   | 41.142 | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.816  | 146  | 300744   | 39.480 | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.892  | 146  | 307112   | 39.817 | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.045  | 146  | 291347   | 40.311 | ng    | 100      |
| 15) Benzyl Alcohol            | 7.016  | 79   | 263144   | 42.594 | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.145  | 45   | 314582   | 40.901 | ng    | 100      |
| 17) 2-Methylphenol            | 7.134  | 107  | 223977   | 41.272 | ng    | 100      |
| 18) Hexachloroethane          | 7.387  | 117  | 115481   | 40.087 | ng    | 100      |
| 19) n-Nitroso-di-n-propyla... | 7.287  | 70   | 203356   | 41.304 | ng    | 100      |
| 20) 3+4-Methylphenols         | 7.287  | 107  | 289597   | 41.517 | ng    | 100      |
| 22) Acetophenone              | 7.287  | 105  | 397747   | 39.464 | ng    | 100      |
| 24) Nitrobenzene              | 7.457  | 77   | 331927   | 39.736 | ng    | 100      |
| 25) Isophorone                | 7.698  | 82   | 546985   | 40.576 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.775  | 139  | 149133   | 40.287 | ng    | 100      |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 185514   | 41.885 | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 328053   | 39.946 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 233140   | 39.725 | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.098  | 180  | 261862   | 39.078 | ng    | 100      |
| 31) Naphthalene               | 8.181  | 128  | 837233   | 39.318 | ng    | 100      |
| 32) Benzoic acid              | 7.939  | 122  | 146245   | 39.450 | ng    | 100      |
| 33) 4-Chloroaniline           | 8.228  | 127  | 268662   | 42.139 | ng    | 100      |
| 34) Hexachlorobutadiene       | 8.292  | 225  | 175198   | 39.473 | ng    | 100      |
| 35) Caprolactam               | 8.604  | 113  | 74771    | 41.168 | ng    | 100      |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 270395   | 41.150 | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.869  | 142  | 537039   | 39.707 | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.969  | 142  | 527387   | 39.781 | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 263939   | 38.462 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 53531    | 38.833 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 171374   | 39.799 | ng    | 100      |

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Manual Integrations  
 APPROVED

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 21 14:50:10 2024  
 Response via : Initial Calibration

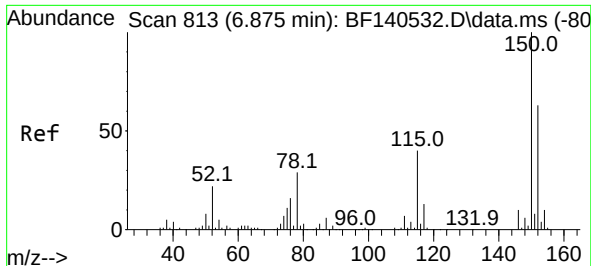
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 189287   | 40.504 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 678172   | 38.750 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 518320   | 39.086 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.457  | 65   | 172005   | 40.410 | ng    | 100      |
| 49) Acenaphthylene            | 9.775  | 152  | 779390   | 38.899 | ng    | 100      |
| 50) Dimethylphthalate         | 9.633  | 163  | 608948   | 39.445 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 140922   | 40.249 | ng    | 100      |
| 52) Acenaphthene              | 9.945  | 154  | 498119m  | 38.394 | ng    |          |
| 53) 3-Nitroaniline            | 9.869  | 138  | 140859   | 41.134 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 65546    | 40.435 | ng    | 100      |
| 55) Dibenzofuran              | 10.122 | 168  | 760308   | 39.153 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.039 | 139  | 97133    | 41.591 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 189213   | 40.662 | ng    | 100      |
| 58) Fluorene                  | 10.463 | 166  | 607198   | 38.956 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 146383   | 40.757 | ng    | 100      |
| 60) Diethylphthalate          | 10.333 | 149  | 614490   | 39.176 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.451 | 204  | 299662   | 39.175 | ng    | 100      |
| 62) 4-Nitroaniline            | 10.486 | 138  | 146354   | 40.750 | ng    | 100      |
| 63) Azobenzene                | 10.616 | 77   | 579042   | 38.983 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 96120    | 42.998 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 505450   | 39.070 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.945 | 248  | 174746   | 38.787 | ng    | 100      |
| 68) Hexachlorobenzene         | 11.016 | 284  | 204123   | 39.129 | ng    | 100      |
| 69) Atrazine                  | 11.098 | 200  | 122413   | 33.635 | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 101542   | 44.226 | ng    | 100      |
| 71) Phenanthrene              | 11.427 | 178  | 826269   | 39.293 | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 808988   | 39.329 | ng    | 100      |
| 73) Carbazole                 | 11.639 | 167  | 778112   | 39.322 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.957 | 149  | 895236   | 39.186 | ng    | 100      |
| 75) Fluoranthene              | 12.621 | 202  | 886900   | 38.845 | ng    | 100      |
| 77) Benzidine                 | 12.739 | 184  | 275047   | 39.525 | ng    | 100      |
| 78) Pyrene                    | 12.851 | 202  | 887193   | 40.090 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.463 | 149  | 324879   | 40.751 | ng    | 100      |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 615808   | 38.868 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 197667   | 41.554 | ng    | 100      |
| 83) Chrysene                  | 14.080 | 228  | 575079   | 39.696 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 398677   | 39.604 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 541933   | 39.393 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 17.051 | 276  | 551596   | 40.034 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.104 | 252  | 501607   | 37.772 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.133 | 252  | 465620   | 40.067 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.474 | 252  | 425894   | 39.444 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.062 | 278  | 451597   | 40.022 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.509 | 276  | 458972   | 39.861 | ng    | 100      |

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

## Manual Integrations

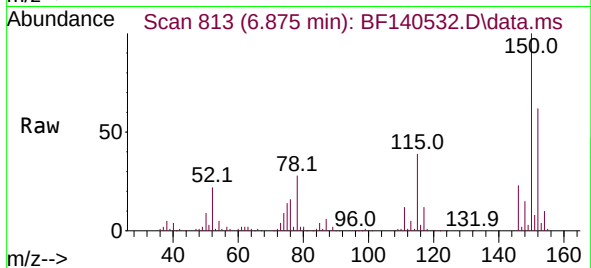
Quant Time: Nov 21 15:12:33 2024  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Nov 21 14:50:10 2024  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.875 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

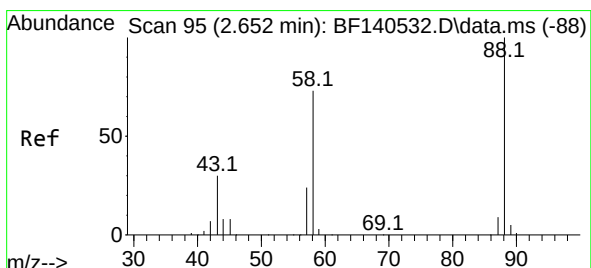
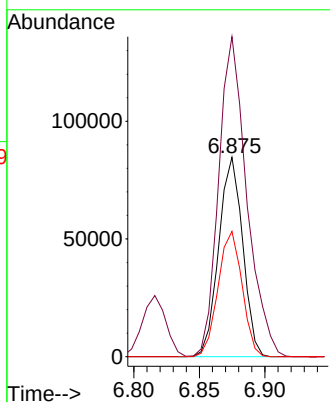
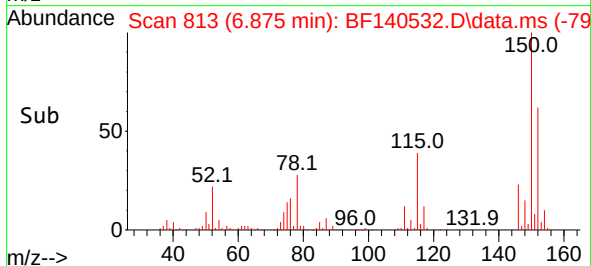
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:152 Resp: 107510  
Ion Ratio Lower Upper  
152 100  
150 160.6 128.5 192.7  
115 62.8 50.2 75.4

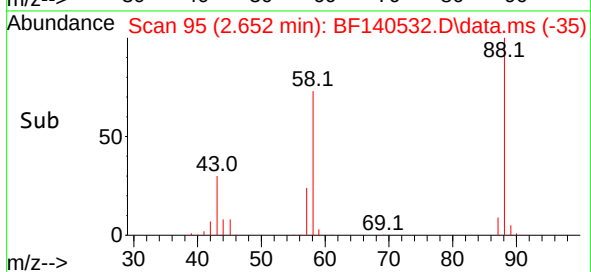
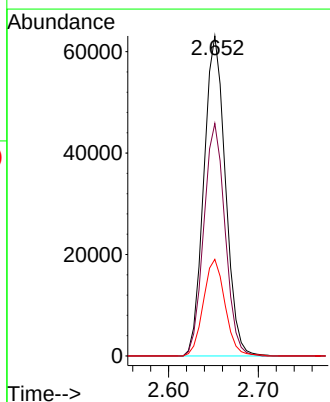
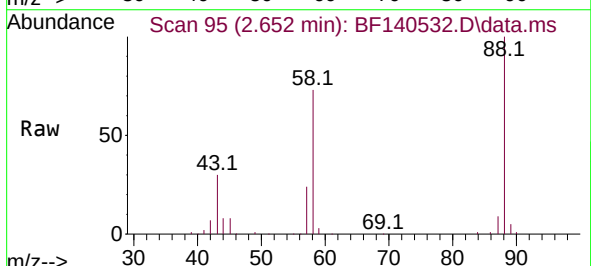
Manual Integrations  
APPROVED

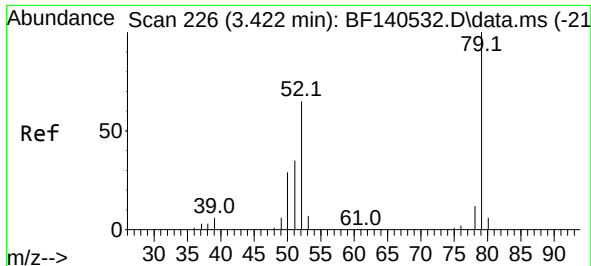
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#2  
1,4-Dioxane  
Concen: 39.700 ng  
RT: 2.652 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

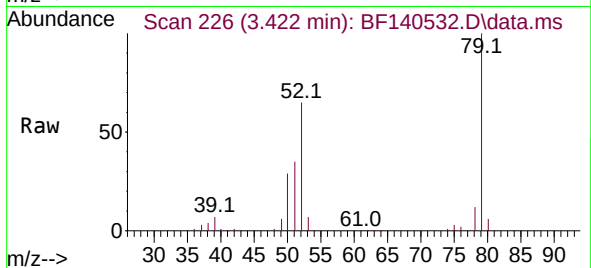
Tgt Ion: 88 Resp: 105183  
Ion Ratio Lower Upper  
88 100  
58 71.8 57.4 86.2  
43 30.4 24.3 36.5





#3  
Pyridine  
Concen: 43.959 ng  
RT: 3.422 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

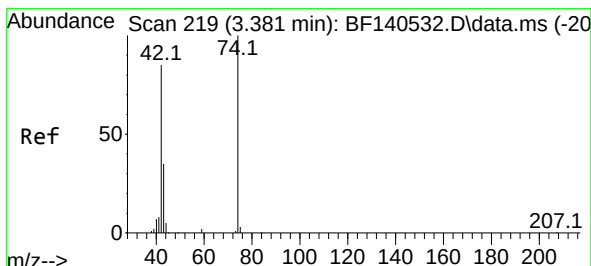
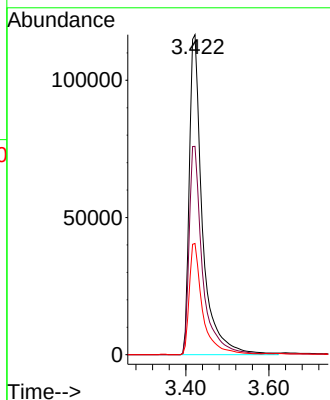
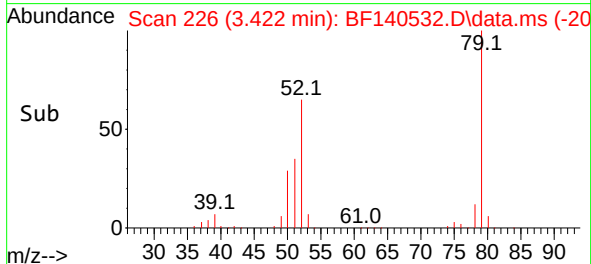
Instrument :  
BNA\_F  
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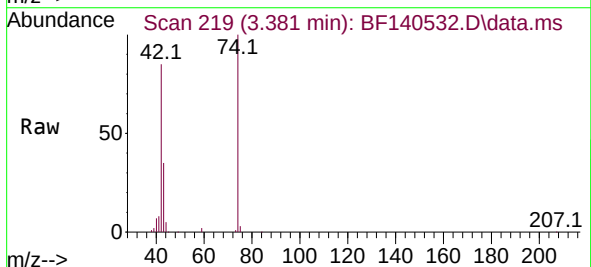
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Ion Ratio Lower Upper  
79 100  
52 65.1 52.1 78.1  
51 34.8 27.8 41.8

Manual Integrations  
APPROVED

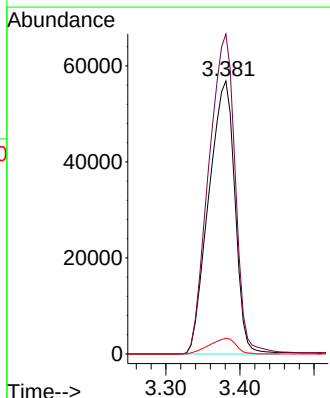
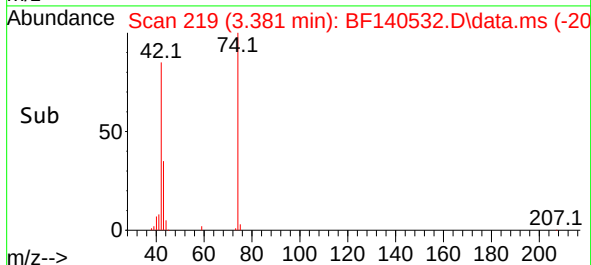
Reviewed By :Yogesh Patel 11/22/2024  
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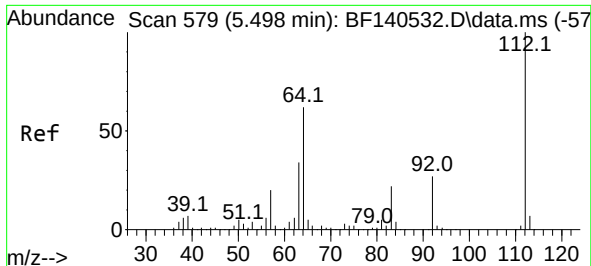


#4  
n-Nitrosodimethylamine  
Concen: 40.698 ng  
RT: 3.381 min Scan# 219  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion: 42 Resp: 139435  
Ion Ratio Lower Upper  
42 100  
74 117.2 93.8 140.6  
44 5.7 4.6 6.8





#5  
2-Fluorophenol  
Concen: 80.111 ng  
RT: 5.498 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

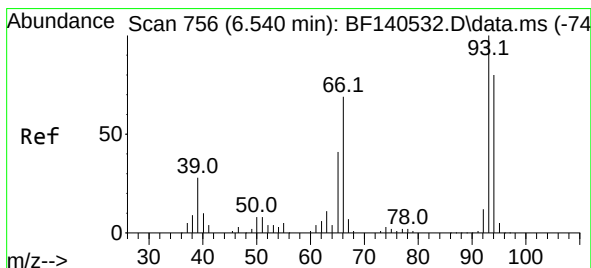
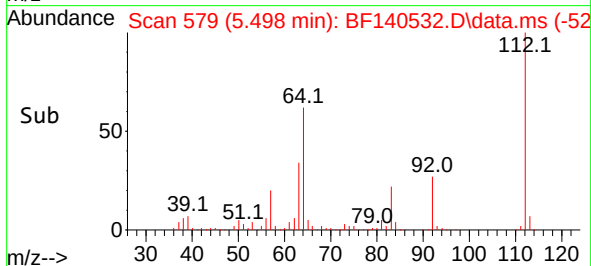
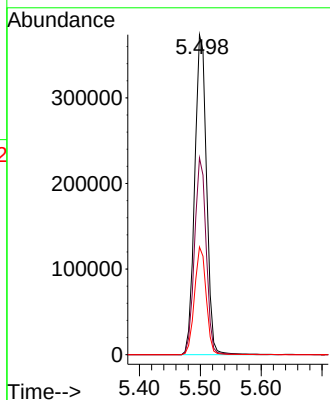
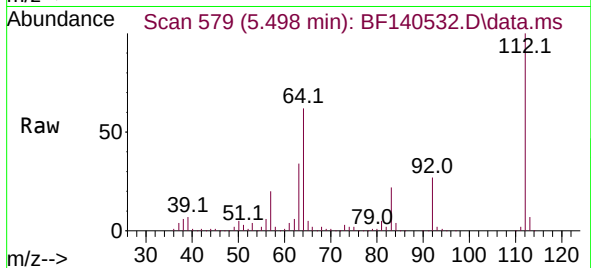
SSTDICCC040

Tgt Ion:112 Resp: 504810  
Ion Ratio Lower Upper  
112 100  
64 61.5 49.2 73.8  
63 33.7 27.0 40.4

Manual Integrations

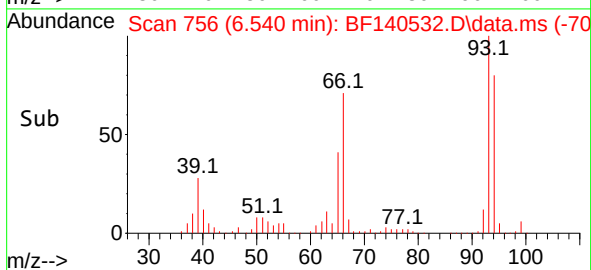
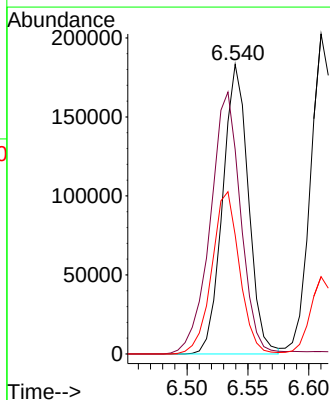
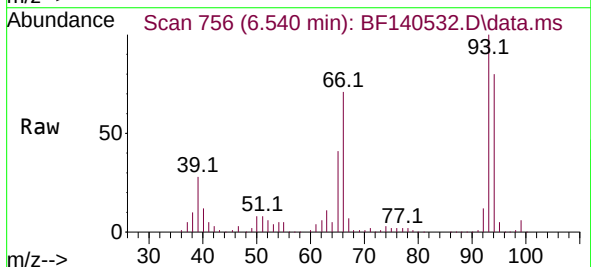
APPROVED

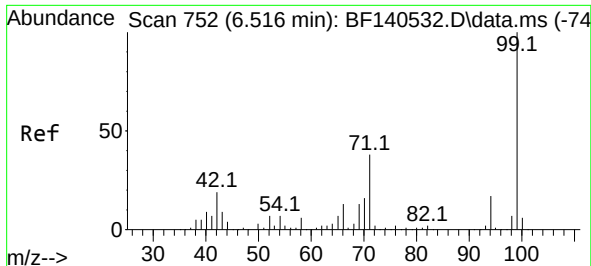
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#6  
Aniline  
Concen: 45.875 ng  
RT: 6.540 min Scan# 756  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

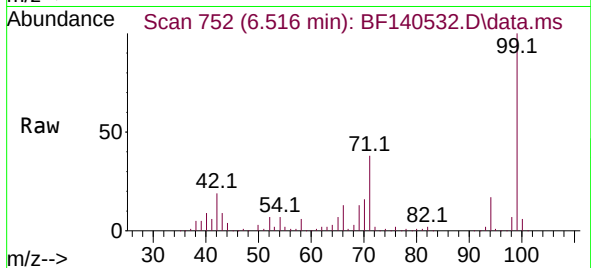
Tgt Ion: 93 Resp: 268994  
Ion Ratio Lower Upper  
93 100  
66 70.6 56.5 84.7  
65 41.1 32.9 49.3





#7  
Phenol-d6  
Concen: 82.684 ng  
RT: 6.516 min Scan# 752  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

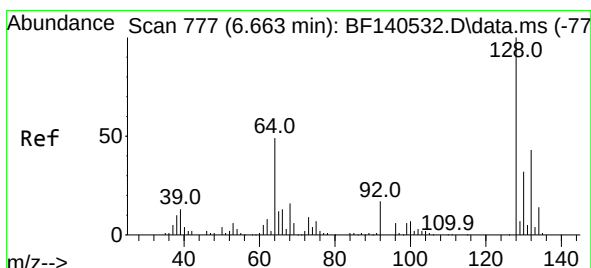
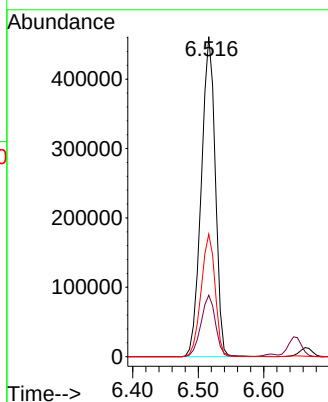
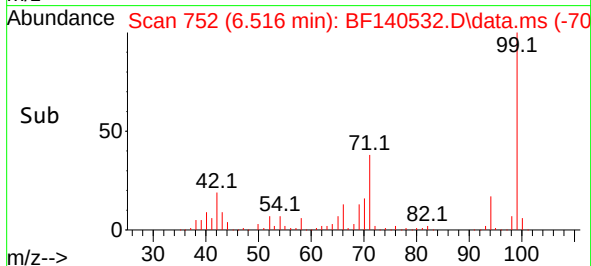
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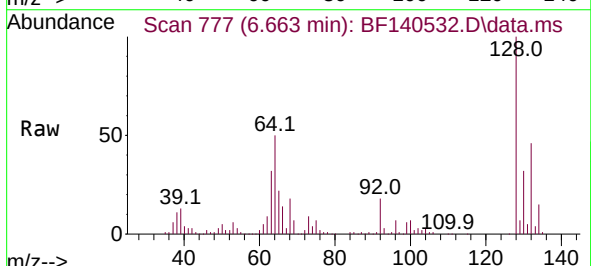
Tgt Ion: 99 Resp: 688812  
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71 38.3 30.6 46.0

Manual Integrations  
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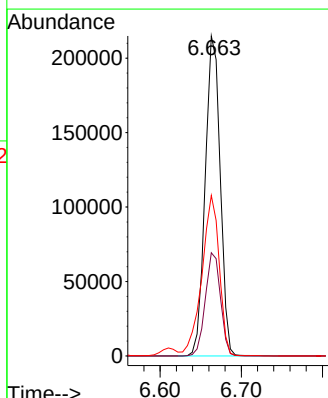
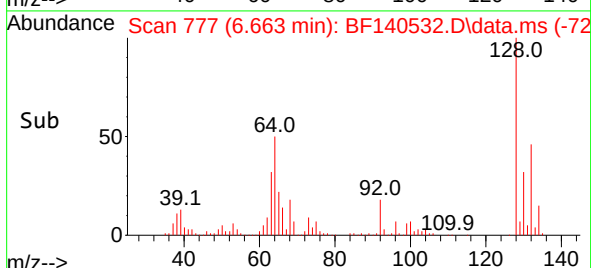
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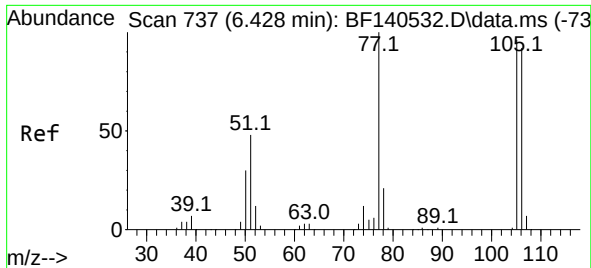


#8  
2-Chlorophenol  
Concen: 40.702 ng  
RT: 6.663 min Scan# 777  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:128 Resp: 275937  
Ion Ratio Lower Upper  
128 100  
130 32.3 12.3 52.3  
64 50.2 30.2 70.2





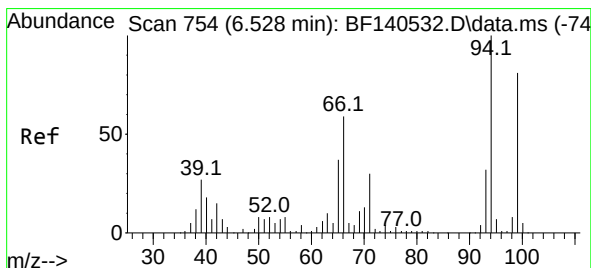
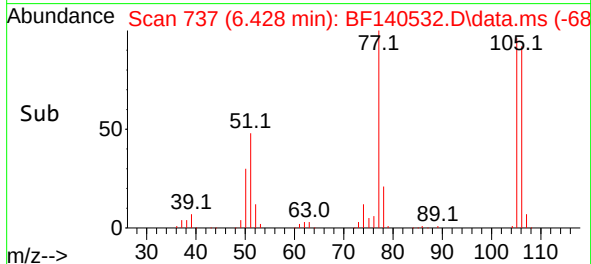
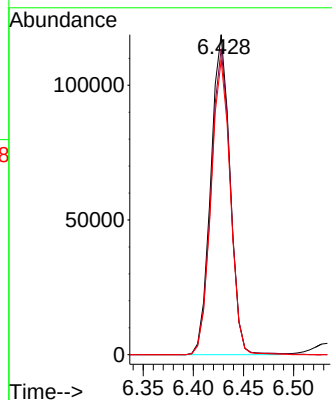
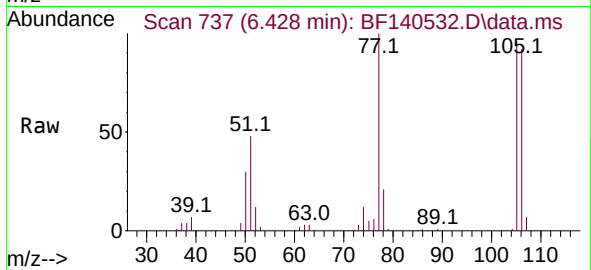
#9  
Benzaldehyde  
Concen: 35.975 ng  
RT: 6.428 min Scan# 737  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion: 77 Resp: 15865  
Ion Ratio Lower Upper  
77 100  
105 95.6 75.6 115.6  
106 92.0 72.0 112.0

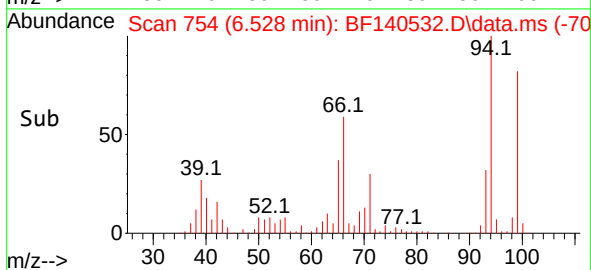
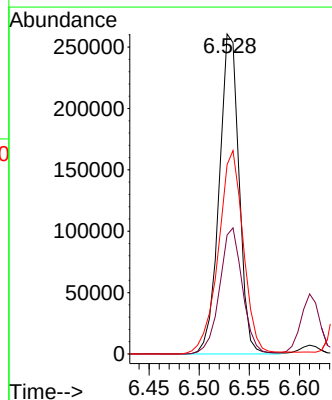
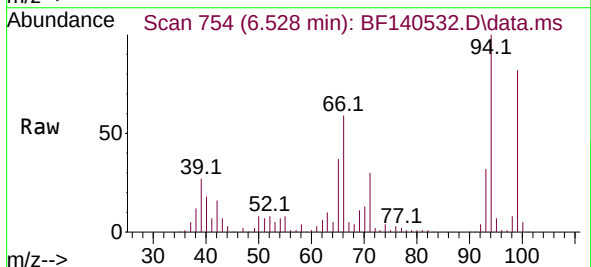
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

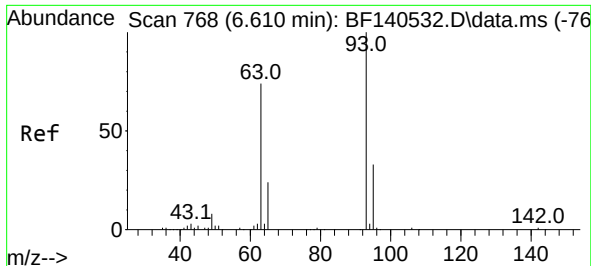


#10  
Phenol  
Concen: 42.137 ng  
RT: 6.528 min Scan# 754  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion: 94 Resp: 358490  
Ion Ratio Lower Upper  
94 100  
65 37.2 17.2 57.2  
66 59.2 39.2 79.2

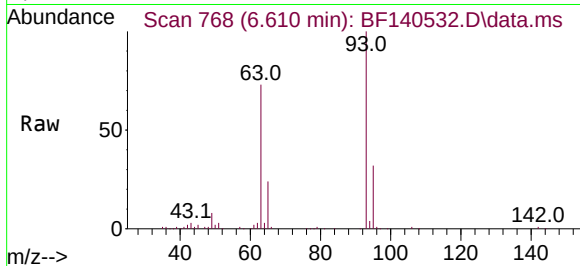






#11  
bis(2-Chloroethyl)ether  
Concen: 41.142 ng  
RT: 6.610 min Scan# 768  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

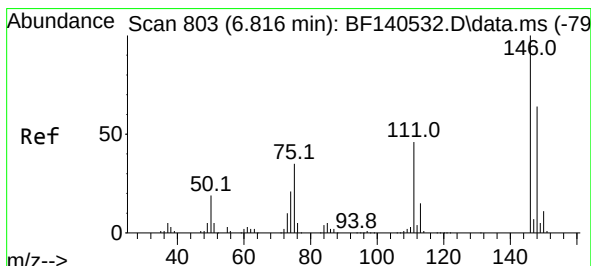
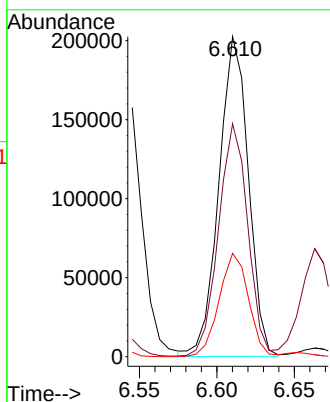
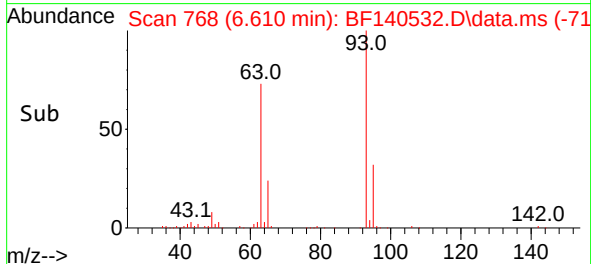
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



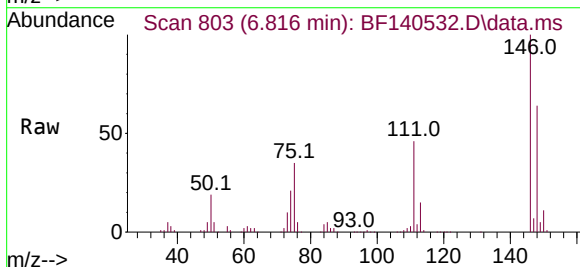
Tgt Ion: 93 Resp: 26784  
Ion Ratio Lower Upper  
93 100  
63 72.8 52.8 92.8  
95 32.3 12.3 52.3

Manual Integrations  
APPROVED

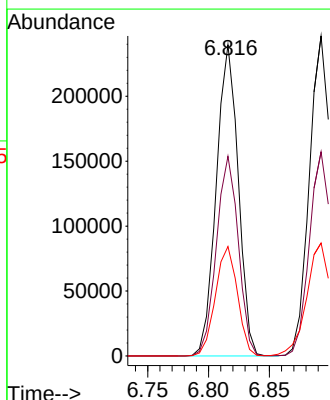
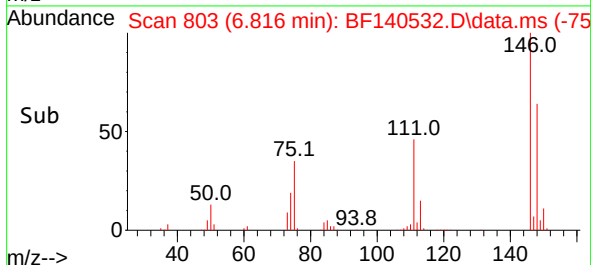
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

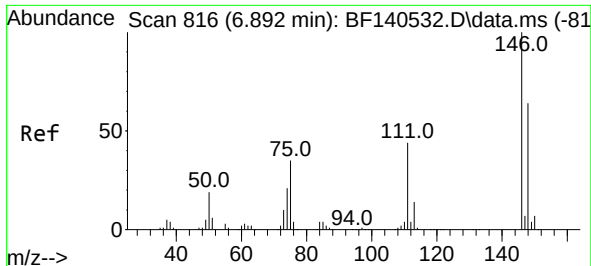


#12  
1,3-Dichlorobenzene  
Concen: 39.480 ng  
RT: 6.816 min Scan# 803  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:146 Resp: 300744  
Ion Ratio Lower Upper  
146 100  
148 64.1 51.3 76.9  
75 35.2 28.2 42.2





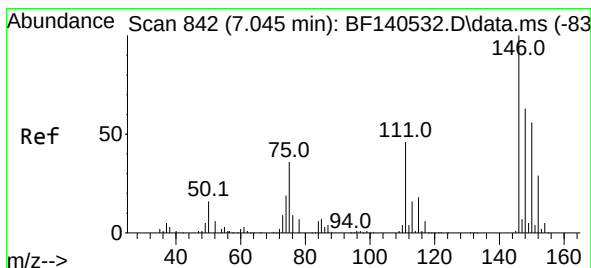
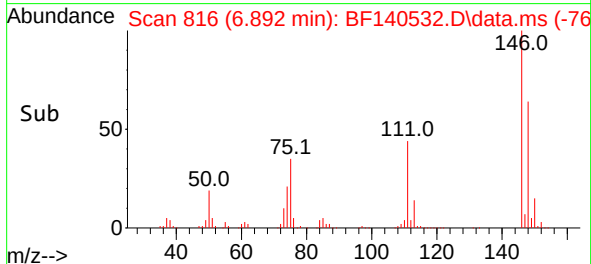
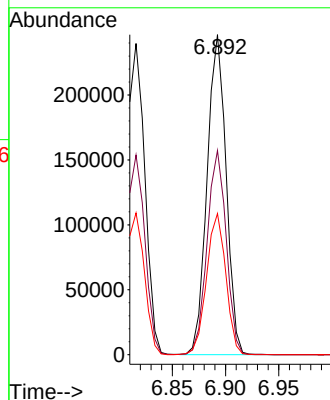
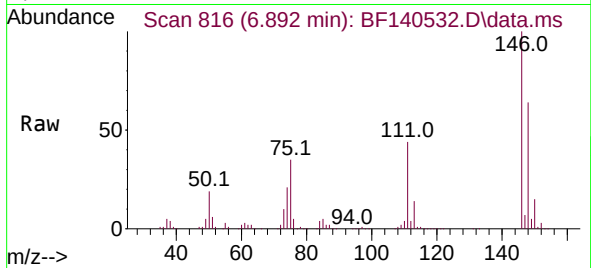
#13  
1,4-Dichlorobenzene  
Concen: 39.817 ng  
RT: 6.892 min Scan# 816  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:146 Resp: 30711  
Ion Ratio Lower Upper  
146 100  
148 63.8 51.0 76.6  
111 44.1 35.3 52.9

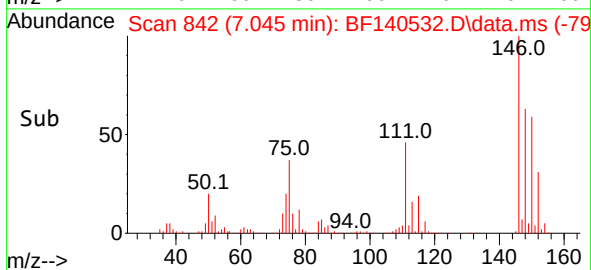
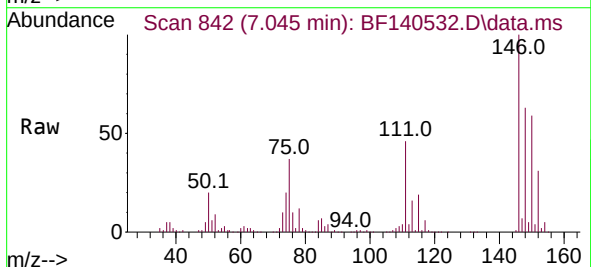
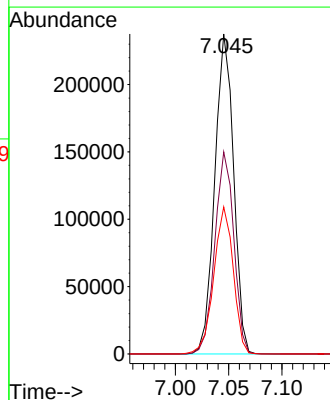
Manual Integrations  
APPROVED

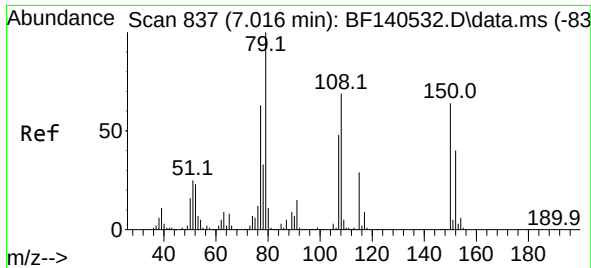
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#14  
1,2-Dichlorobenzene  
Concen: 40.311 ng  
RT: 7.045 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:146 Resp: 291347  
Ion Ratio Lower Upper  
146 100  
148 63.1 50.5 75.7  
111 45.9 36.7 55.1





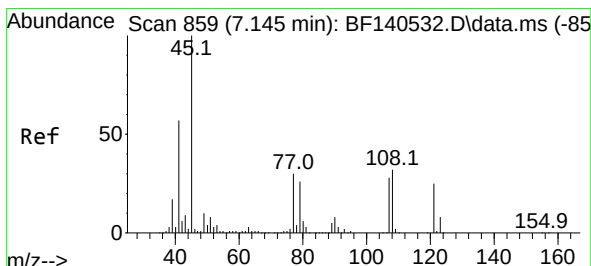
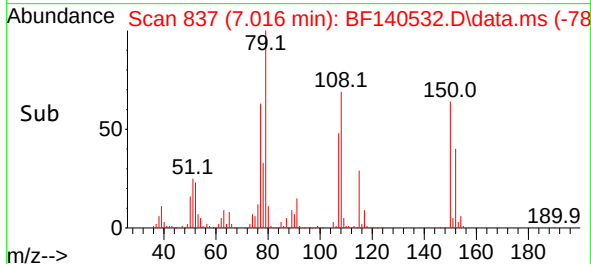
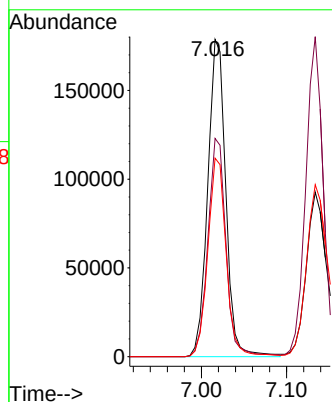
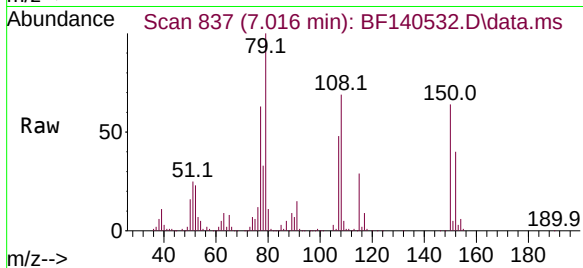
#15  
Benzyl Alcohol  
Concen: 42.594 ng  
RT: 7.016 min Scan# 837  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion: 79 Resp: 263144  
Ion Ratio Lower Upper  
79 100  
108 68.8 55.0 82.6  
77 62.6 50.1 75.1

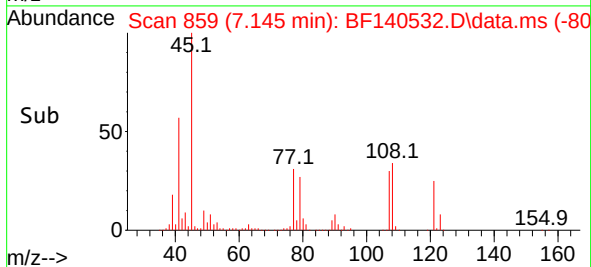
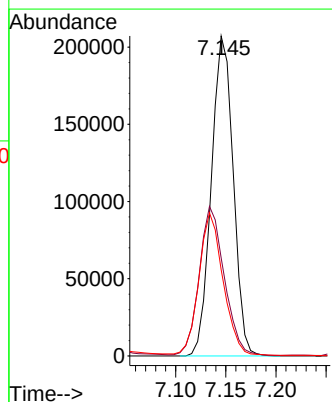
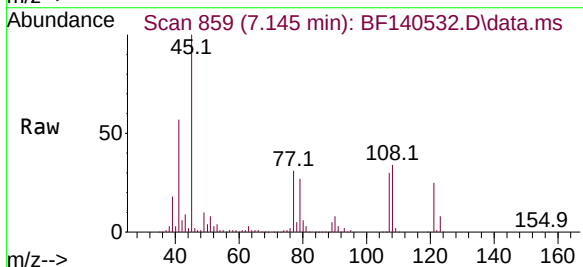
Manual Integrations  
APPROVED

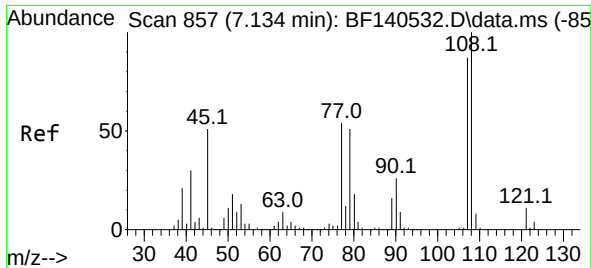
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 40.901 ng  
RT: 7.145 min Scan# 859  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion: 45 Resp: 314582  
Ion Ratio Lower Upper  
45 100  
77 30.7 10.7 50.7  
79 27.0 7.0 47.0





#17  
2-Methylphenol  
Concen: 41.272 ng  
RT: 7.134 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

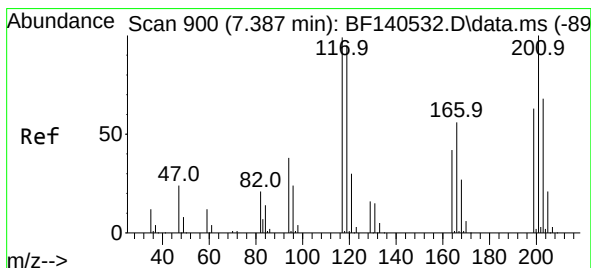
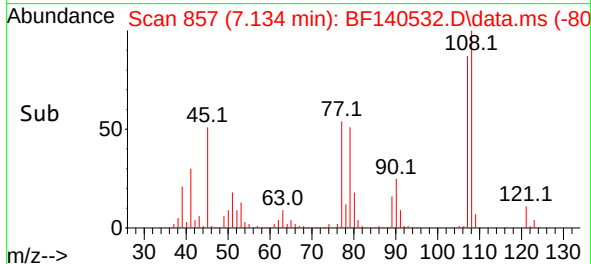
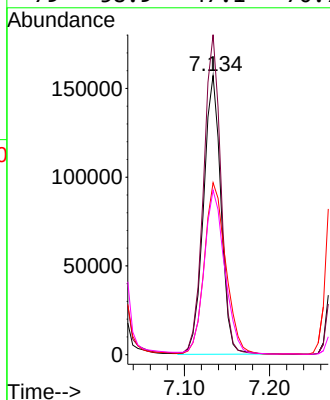
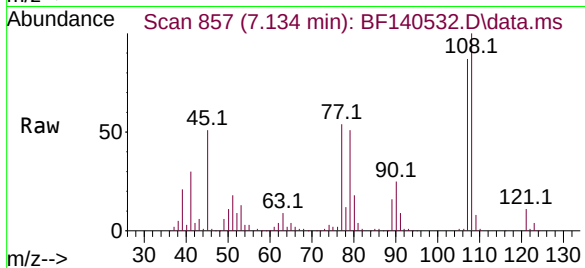
SSTDICCC040

Tgt Ion:107 Resp: 22397  
Ion Ratio Lower Upper  
107 100  
108 114.6 91.7 137.5  
77 61.6 49.3 73.9  
79 58.9 47.1 70.7

Manual Integrations

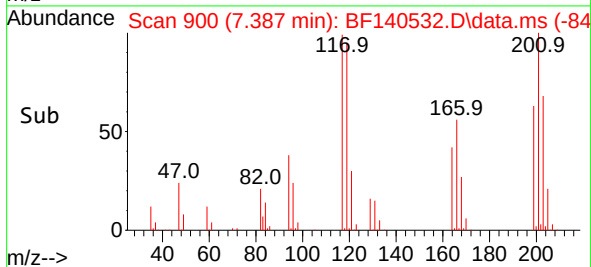
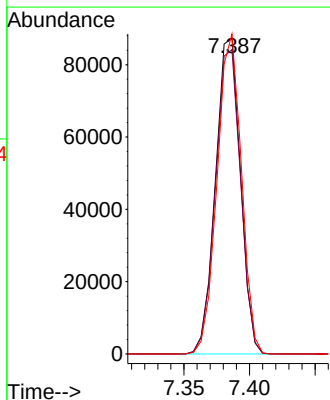
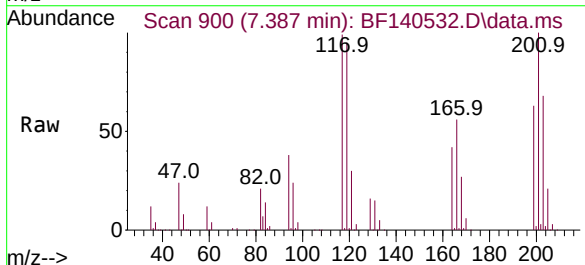
APPROVED

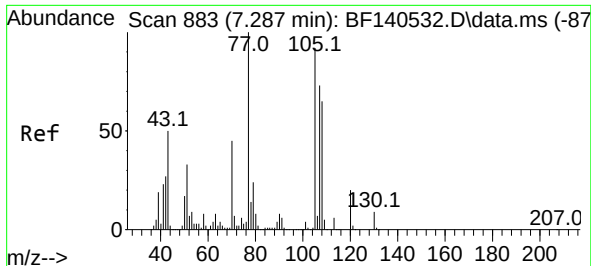
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#18  
Hexachloroethane  
Concen: 40.087 ng  
RT: 7.387 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

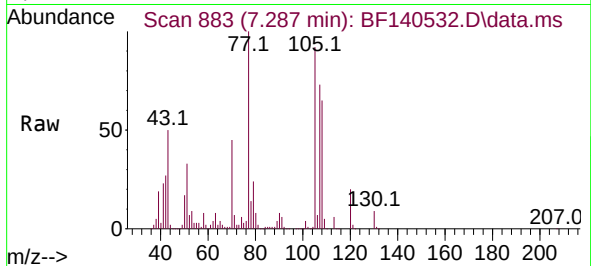
Tgt Ion:117 Resp: 115481  
Ion Ratio Lower Upper  
117 100  
119 96.4 77.1 115.7  
201 101.4 81.1 121.7





#19  
n-Nitroso-di-n-propylamine  
Concen: 41.304 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

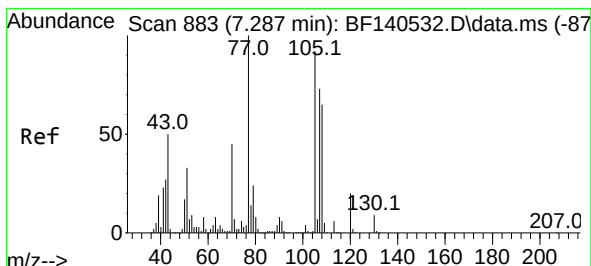
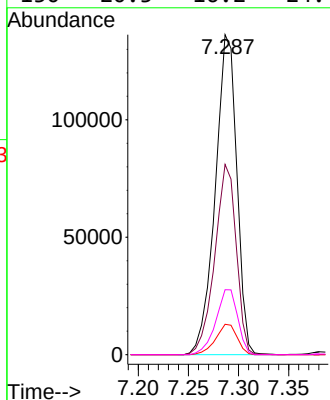
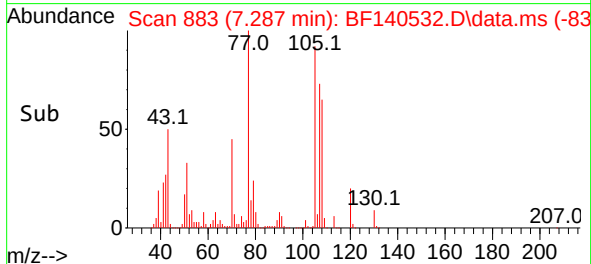
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



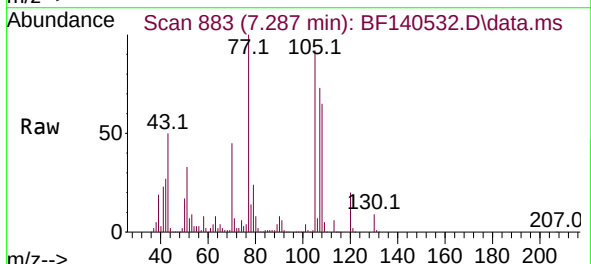
Tgt Ion: 70 Resp: 203350  
Ion Ratio Lower Upper  
70 100  
42 59.5 47.6 71.4  
101 9.5 7.6 11.4  
130 20.3 16.2 24.4

Manual Integrations  
APPROVED

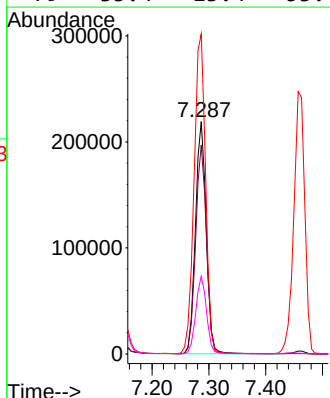
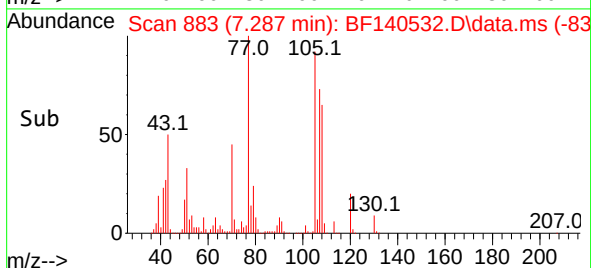
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

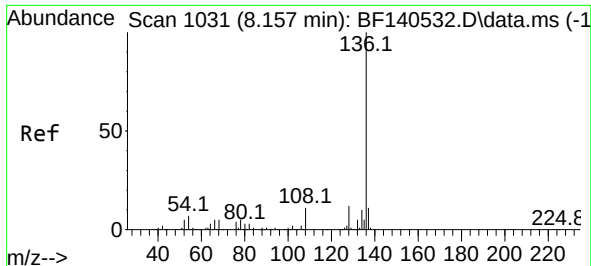


#20  
3+4-Methylphenols  
Concen: 41.517 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:107 Resp: 289597  
Ion Ratio Lower Upper  
107 100  
108 89.9 69.9 109.9  
77 137.7 117.7 157.7  
79 33.4 13.4 53.4





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

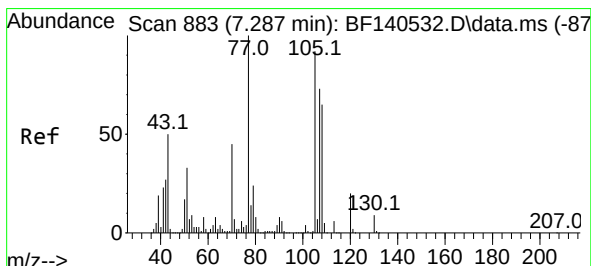
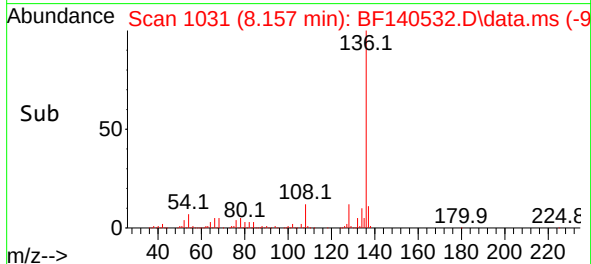
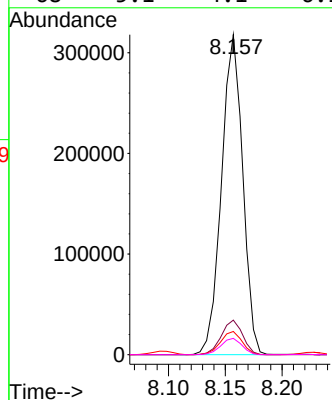
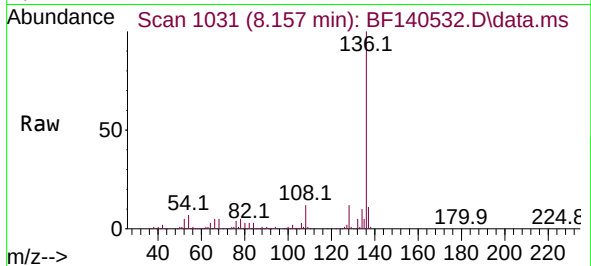
SSTDICCC040

Tgt Ion:136 Resp: 413408  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.6 13.0  
54 7.3 5.8 8.8  
68 5.1 4.1 6.1

Manual Integrations

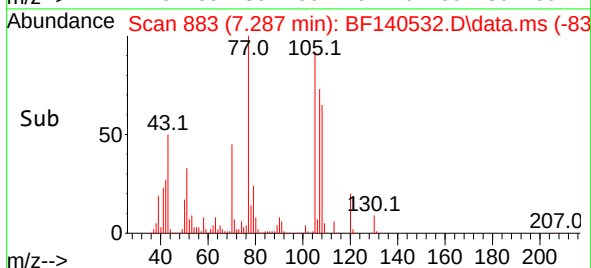
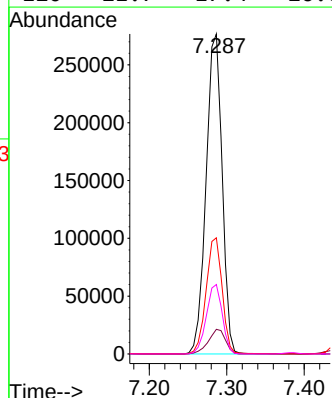
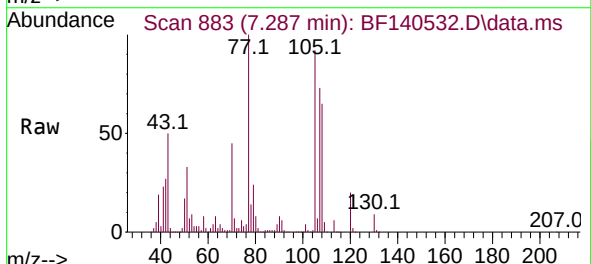
APPROVED

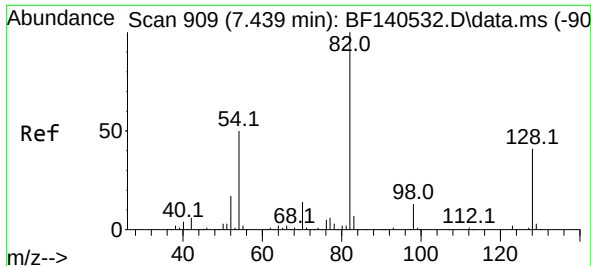
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#22  
Acetophenone  
Concen: 39.464 ng  
RT: 7.287 min Scan# 883  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:105 Resp: 397747  
Ion Ratio Lower Upper  
105 100  
71 7.7 6.2 9.2  
51 36.3 29.0 43.6  
120 21.7 17.4 26.0





#23

Nitrobenzene-d5

Concen: 80.281 ng

RT: 7.439 min Scan# 909

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 64884

Ion Ratio Lower Upper

82 100

128 41.2 33.0 49.4

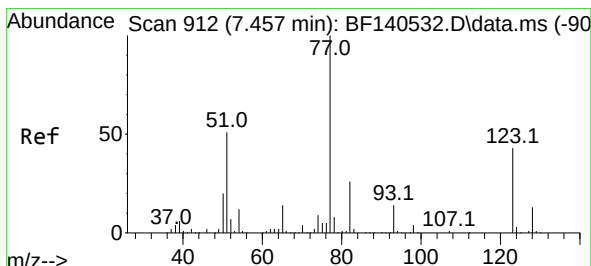
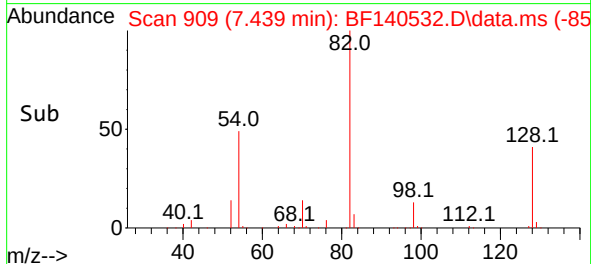
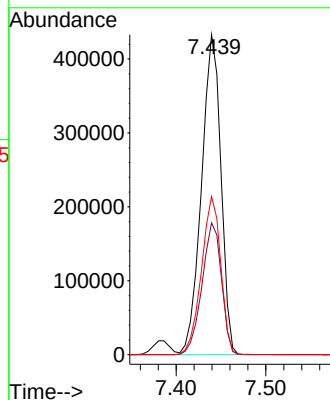
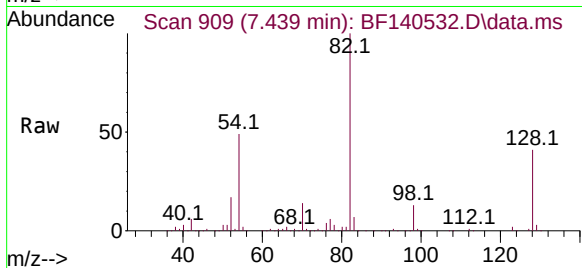
54 49.4 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#24

Nitrobenzene

Concen: 39.736 ng

RT: 7.457 min Scan# 912

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

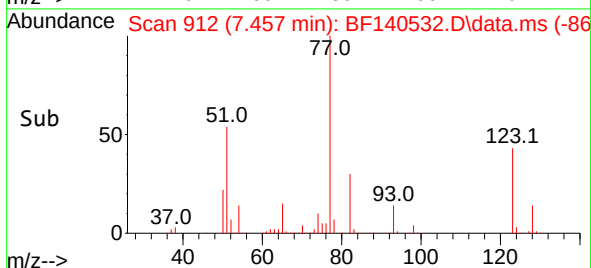
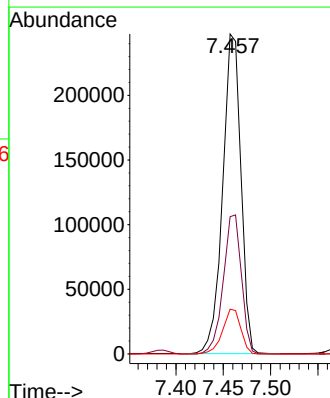
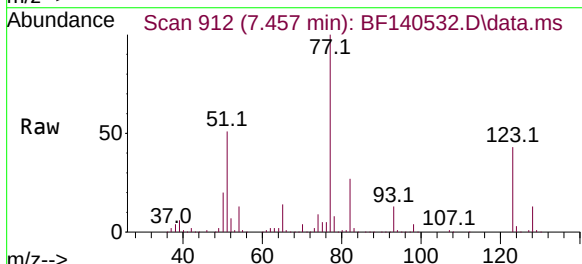
Tgt Ion: 77 Resp: 331927

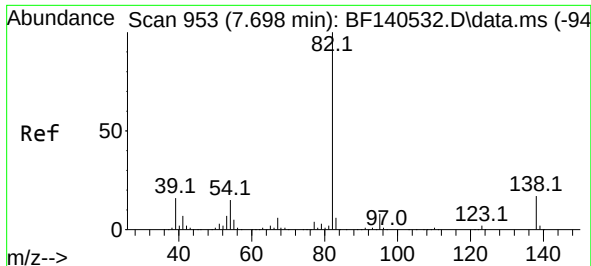
Ion Ratio Lower Upper

77 100

123 42.9 34.3 51.5

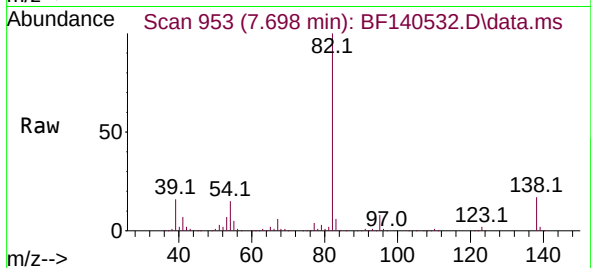
65 14.0 11.2 16.8





#25  
Isophorone  
Concen: 40.576 ng  
RT: 7.698 min Scan# 953  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

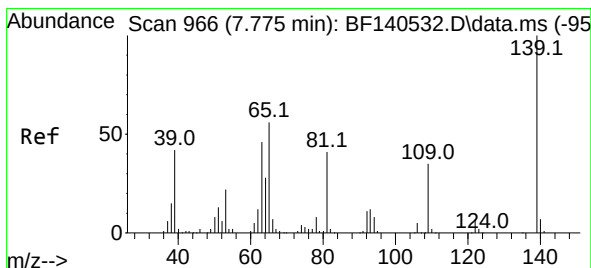
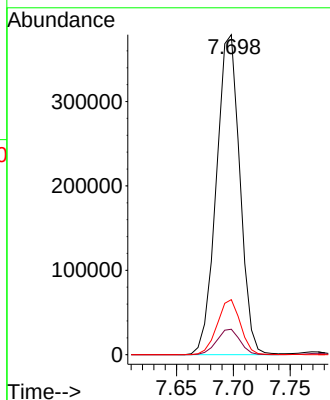
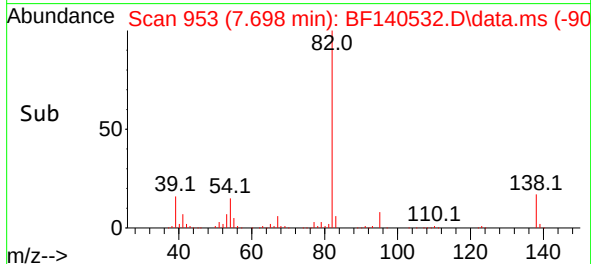
Instrument :  
BNA\_F  
Client SampleId :  
SSTDICCC040



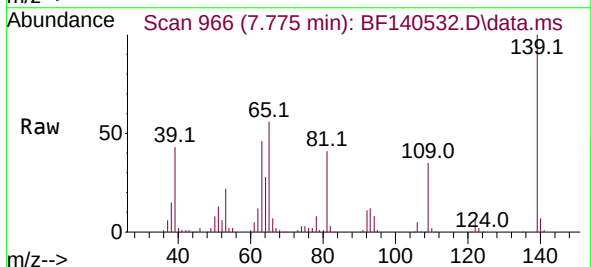
Tgt Ion: 82 Resp: 54698  
Ion Ratio Lower Upper  
82 100  
95 8.0 6.4 9.6  
138 17.2 13.8 20.6

Manual Integrations  
APPROVED

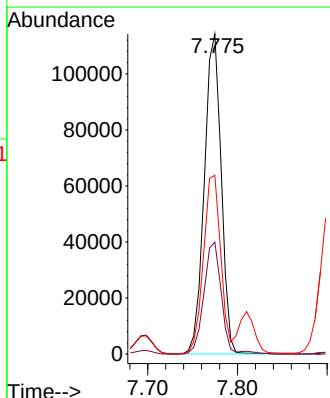
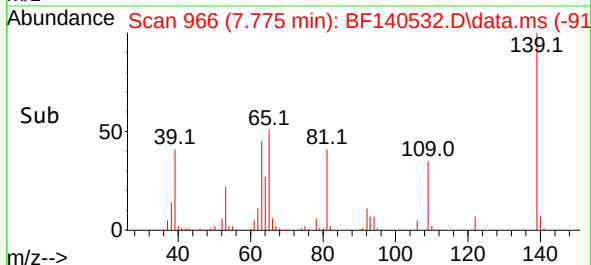
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



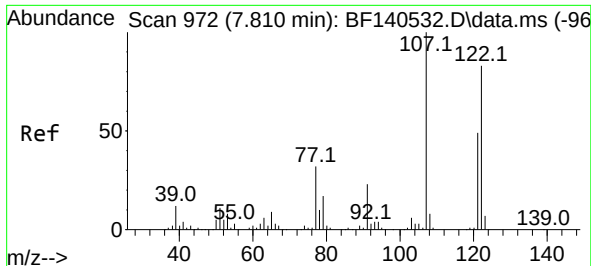
#26  
2-Nitrophenol  
Concen: 40.287 ng  
RT: 7.775 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:139 Resp: 149133  
Ion Ratio Lower Upper  
139 100  
109 35.0 28.0 42.0  
65 55.8 44.6 67.0







#27  
2,4-Dimethylphenol  
Concen: 41.885 ng  
RT: 7.810 min Scan# 972  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

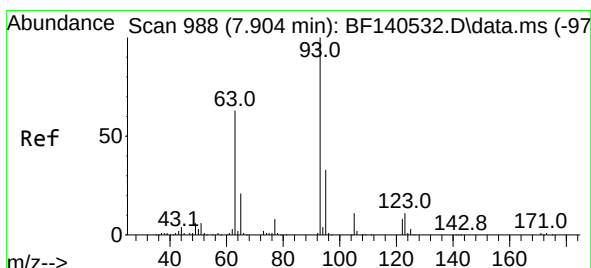
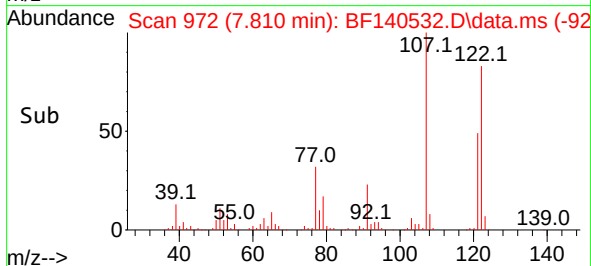
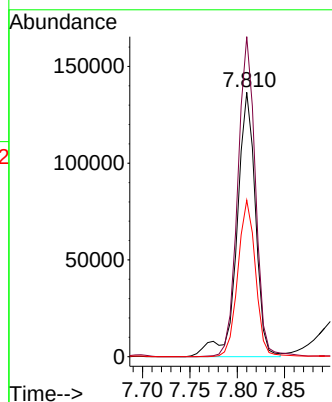
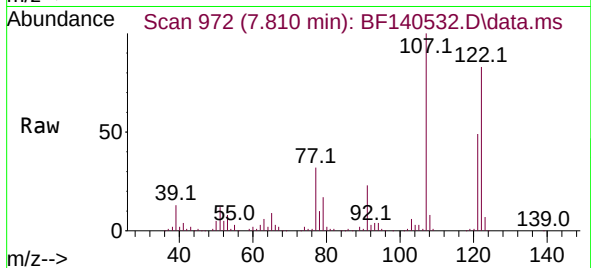
SSTDICCC040

Tgt Ion:122 Resp: 185514  
Ion Ratio Lower Upper  
122 100  
107 121.0 96.8 145.2  
121 59.2 47.4 71.0

Manual Integrations

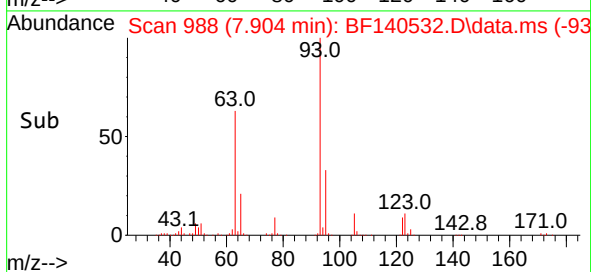
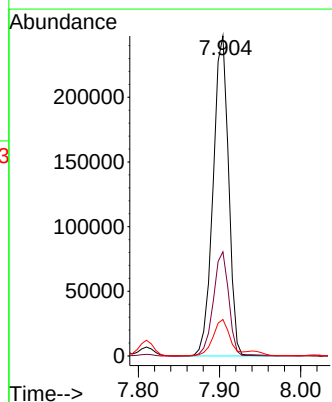
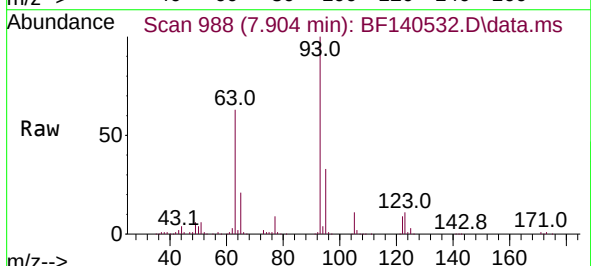
APPROVED

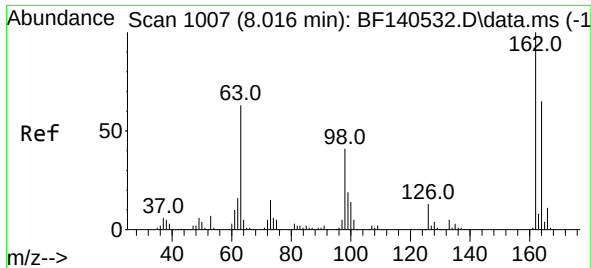
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#28  
bis(2-Chloroethoxy)methane  
Concen: 39.946 ng  
RT: 7.904 min Scan# 988  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion: 93 Resp: 328053  
Ion Ratio Lower Upper  
93 100  
95 32.6 26.1 39.1  
123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 39.725 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

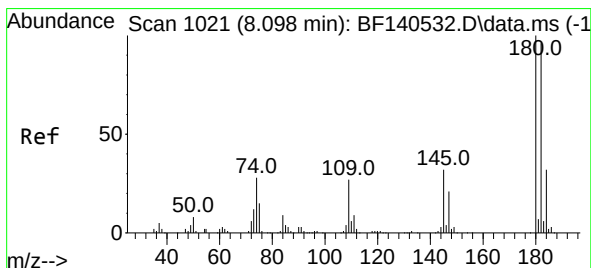
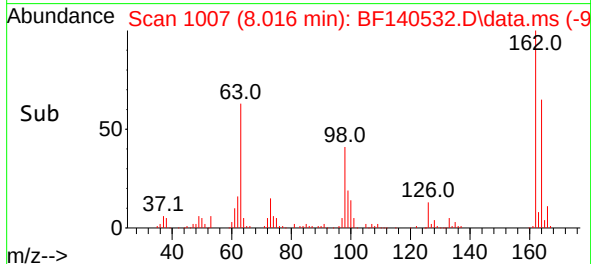
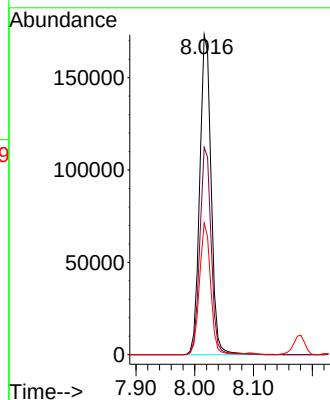
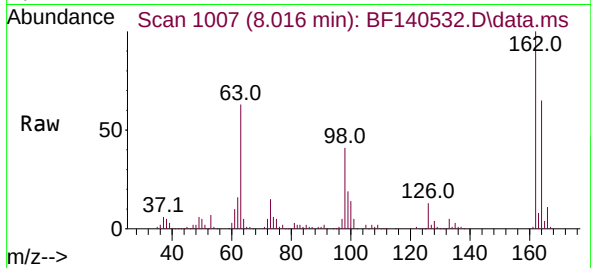
Tgt Ion:162 Resp: 233140  
 Ion Ratio Lower Upper  
 162 100  
 164 64.8 44.8 84.8  
 98 41.2 21.2 61.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.078 ng

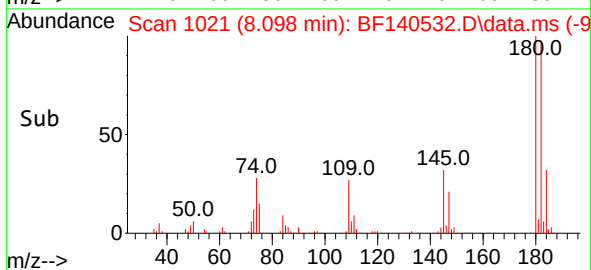
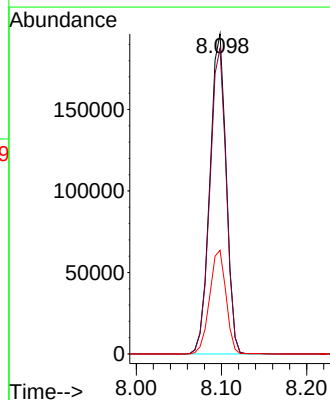
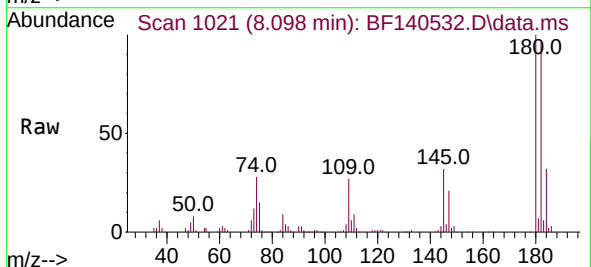
RT: 8.098 min Scan# 1021

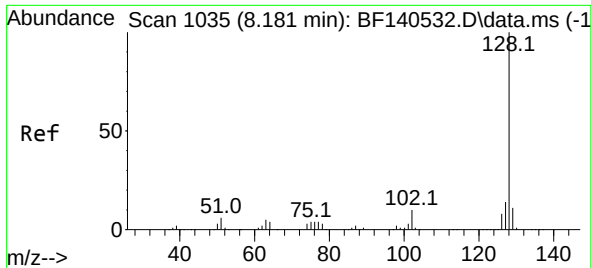
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

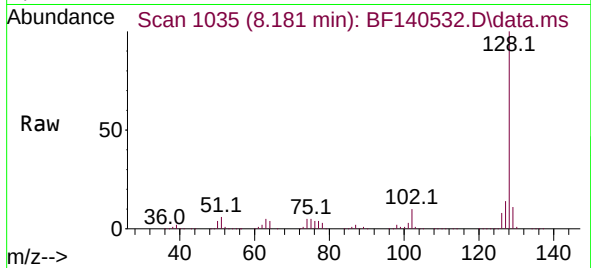
Tgt Ion:180 Resp: 261862  
 Ion Ratio Lower Upper  
 180 100  
 182 95.5 76.4 114.6  
 145 32.4 25.9 38.9





#31  
Naphthalene  
Concen: 39.318 ng  
RT: 8.181 min Scan# 1035  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

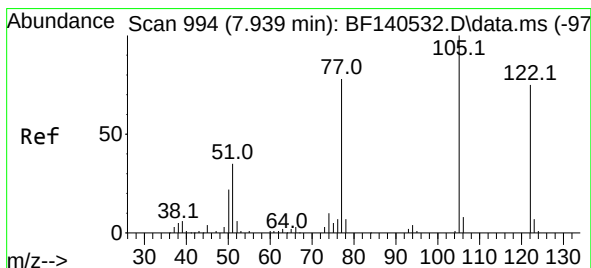
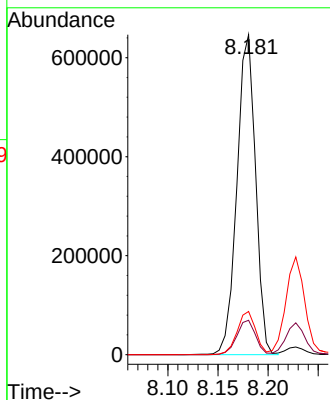
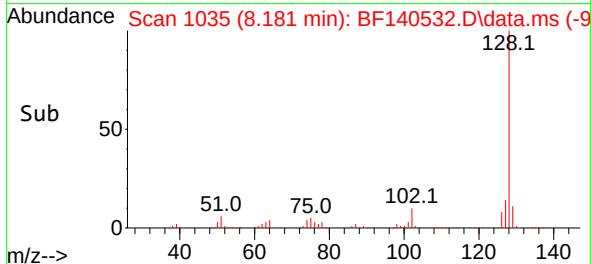
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



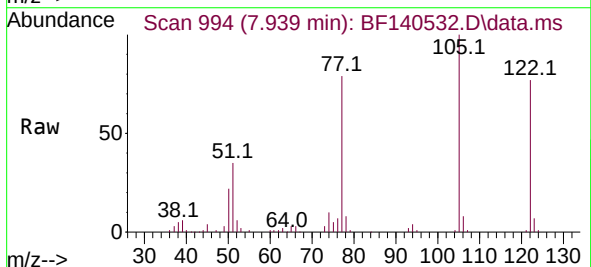
Tgt Ion:128 Resp: 83723  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.6 13.0  
127 13.5 10.8 16.2

Manual Integrations  
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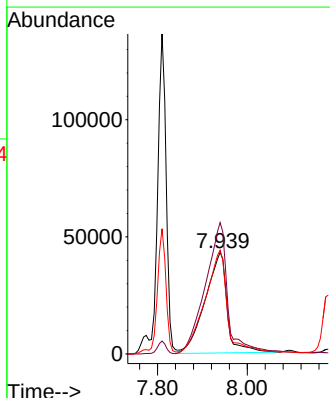
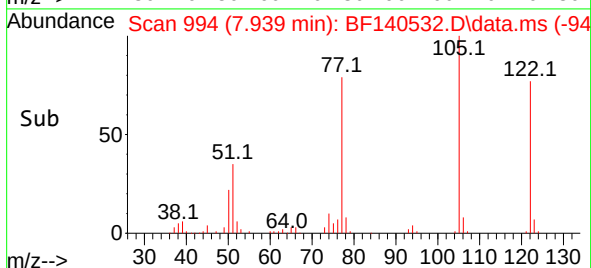
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

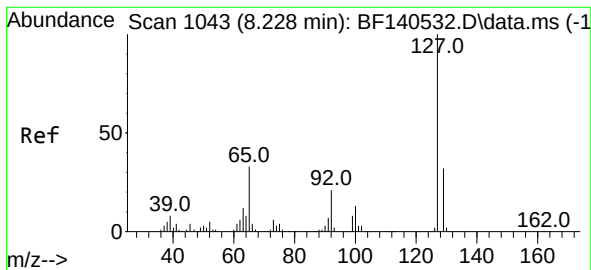


#32  
Benzoic acid  
Concen: 39.450 ng  
RT: 7.939 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:122 Resp: 146245  
Ion Ratio Lower Upper  
122 100  
105 129.3 109.3 149.3  
77 102.3 82.3 122.3





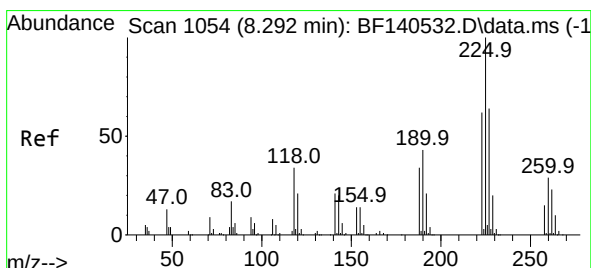
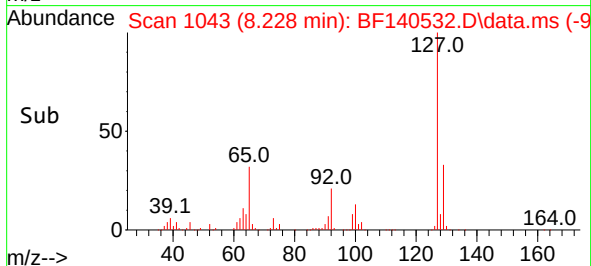
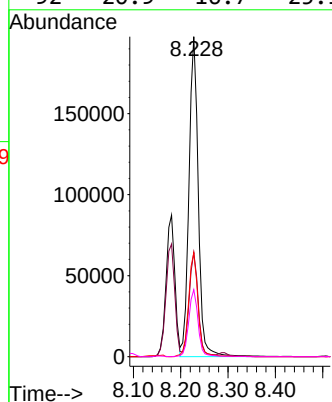
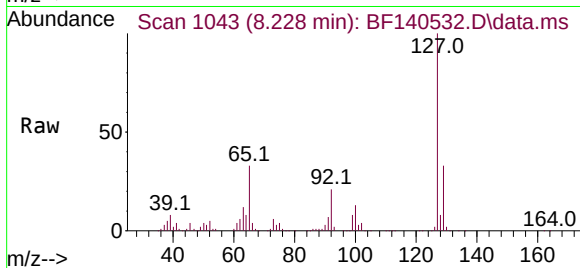
#33  
4-Chloroaniline  
Concen: 42.139 ng  
RT: 8.228 min Scan# 1043  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 26866 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 32.5  | 26.0  | 39.0  |
| 65        | 32.5  | 26.0  | 39.0  |
| 92        | 20.9  | 16.7  | 25.1  |

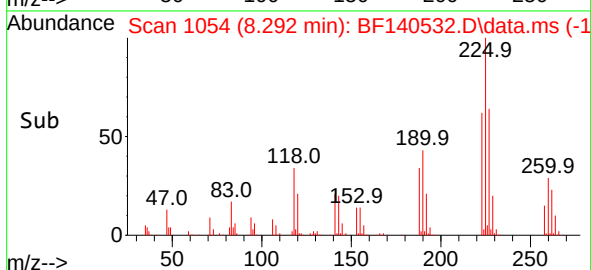
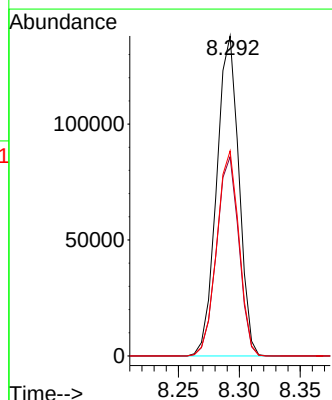
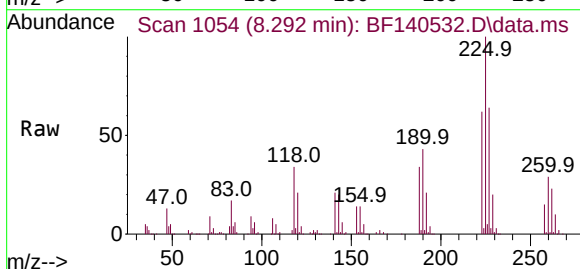
Manual Integrations  
APPROVED

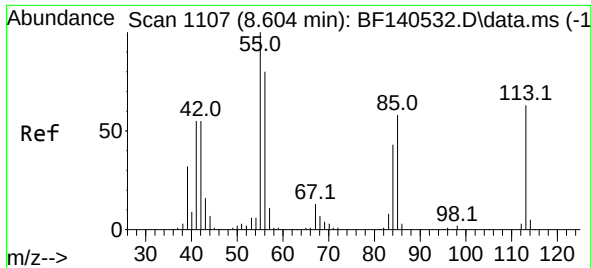
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#34  
Hexachlorobutadiene  
Concen: 39.473 ng  
RT: 8.292 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

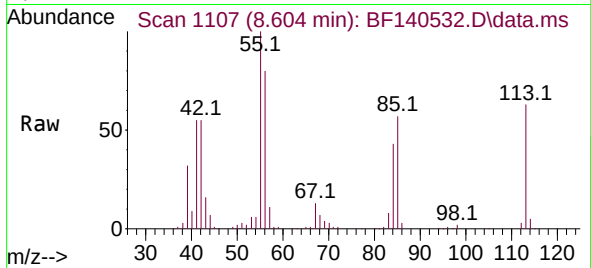
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 175198 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 62.3  | 49.8  | 74.8   |
| 227       | 64.1  | 51.3  | 76.9   |





#35  
Caprolactam  
Concen: 41.168 ng  
RT: 8.604 min Scan# 1107  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

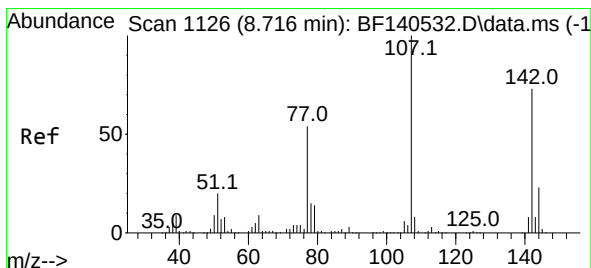
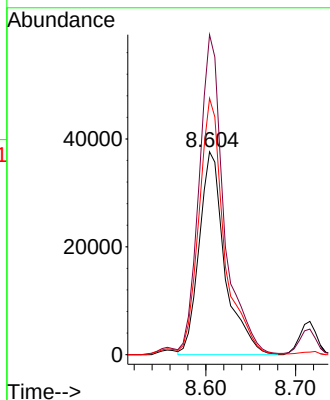
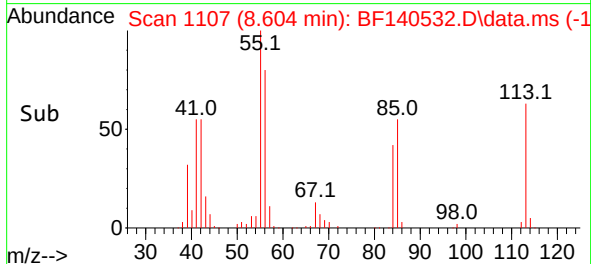
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



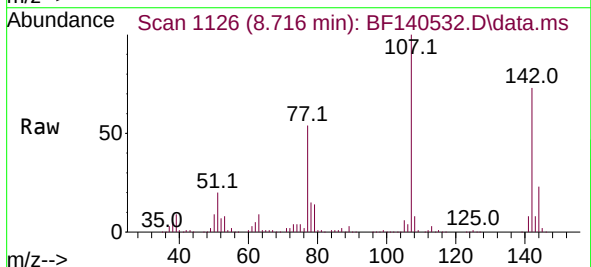
Tgt Ion:113 Resp: 7477  
Ion Ratio Lower Upper  
113 100  
55 157.7 137.7 177.7  
56 126.4 106.4 146.4

Manual Integrations  
APPROVED

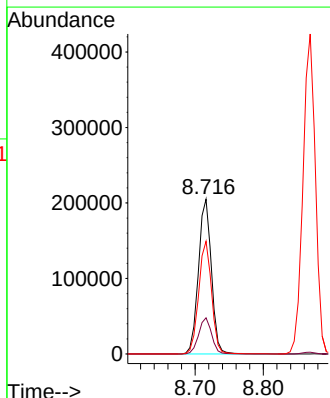
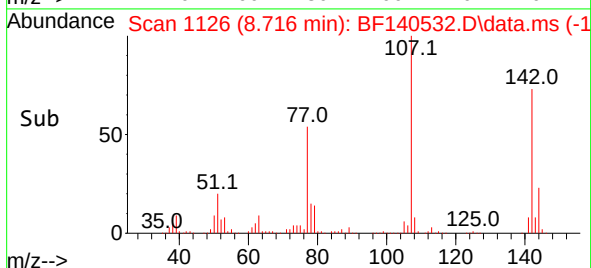
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

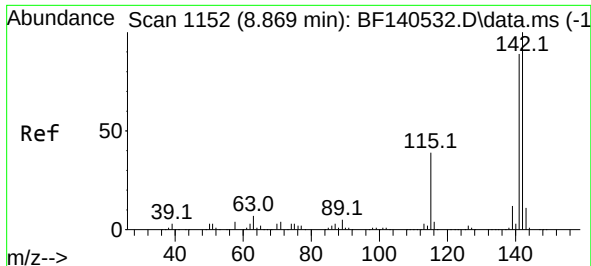


#36  
4-Chloro-3-methylphenol  
Concen: 41.150 ng  
RT: 8.716 min Scan# 1126  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:107 Resp: 270395  
Ion Ratio Lower Upper  
107 100  
144 23.4 18.7 28.1  
142 72.9 58.3 87.5





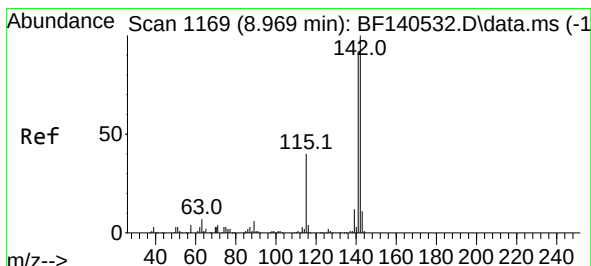
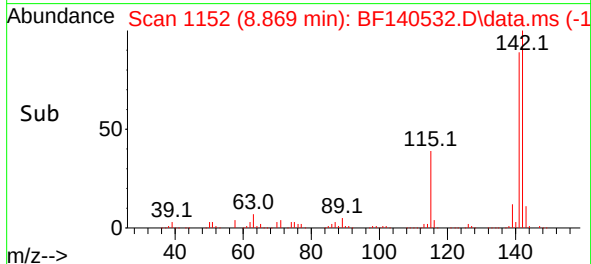
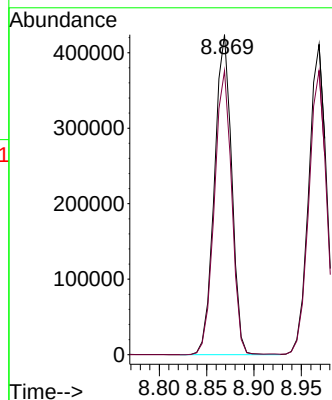
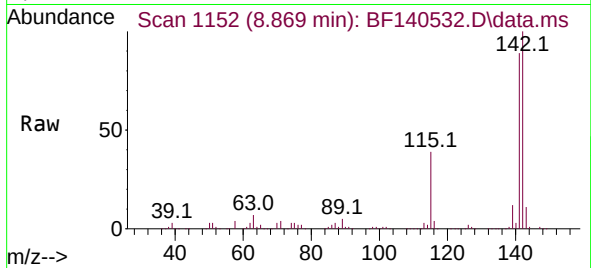
#37  
2-Methylnaphthalene  
Concen: 39.707 ng  
RT: 8.869 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:142 Resp: 537039  
Ion Ratio Lower Upper  
142 100  
141 88.8 71.0 106.6

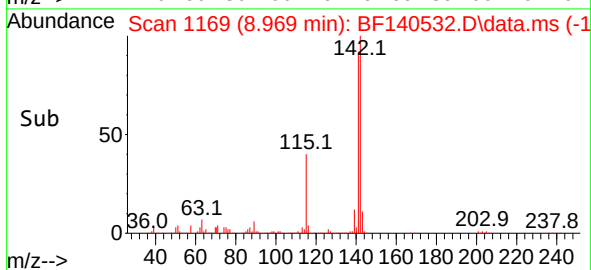
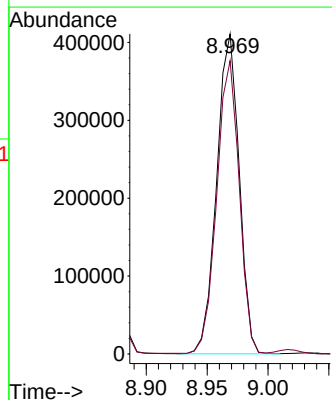
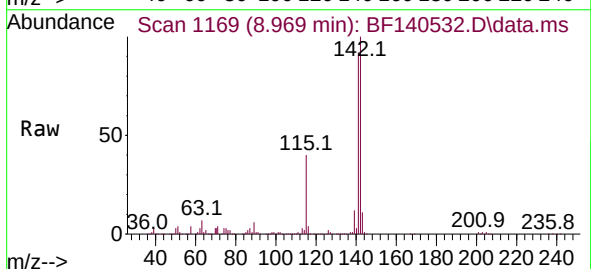
Manual Integrations  
APPROVED

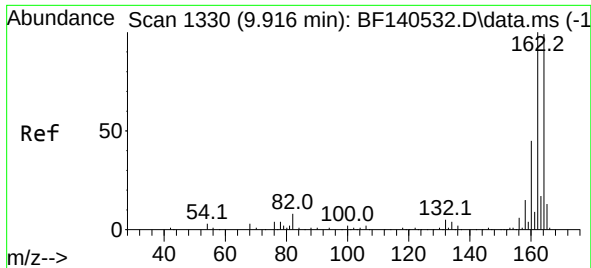
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#38  
1-Methylnaphthalene  
Concen: 39.781 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

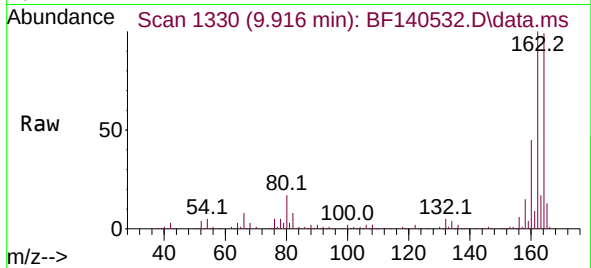
Tgt Ion:142 Resp: 527387  
Ion Ratio Lower Upper  
142 100  
141 91.6 73.3 109.9





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.916 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

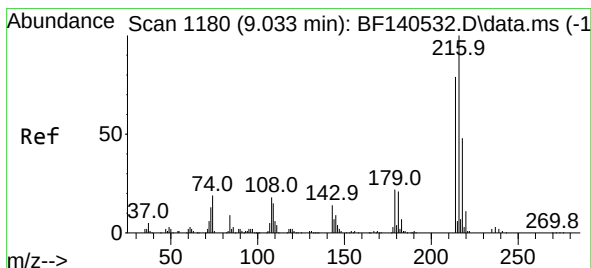
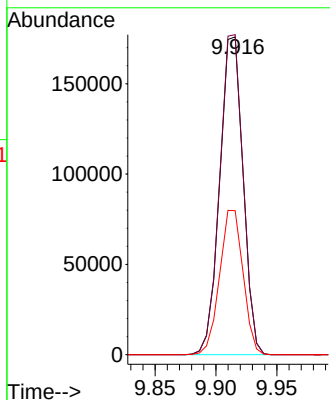
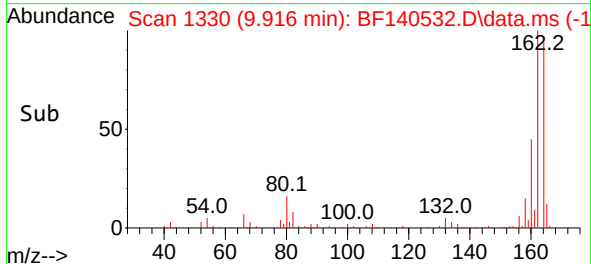
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



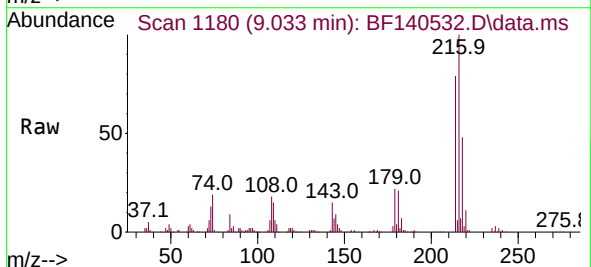
Tgt Ion:164 Resp: 23440  
Ion Ratio Lower Upper  
164 100  
162 100.7 80.6 120.8  
160 45.3 36.2 54.4

Manual Integrations  
APPROVED

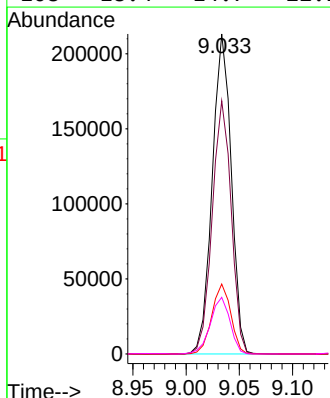
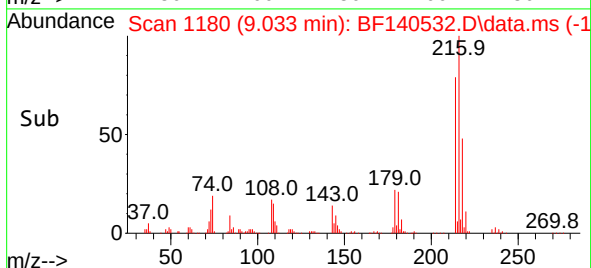
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

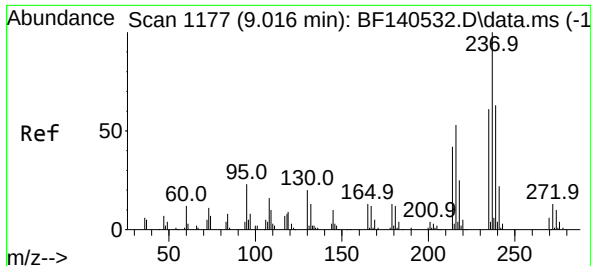


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 38.462 ng  
RT: 9.033 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



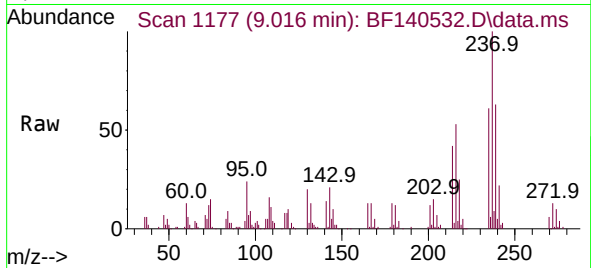
Tgt Ion:216 Resp: 263939  
Ion Ratio Lower Upper  
216 100  
214 78.7 63.0 94.4  
179 21.9 17.5 26.3  
108 18.4 14.7 22.1





#41  
Hexachlorocyclopentadiene  
Concen: 38.833 ng  
RT: 9.016 min Scan# 1177  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

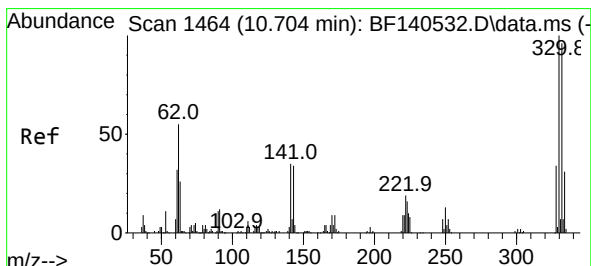
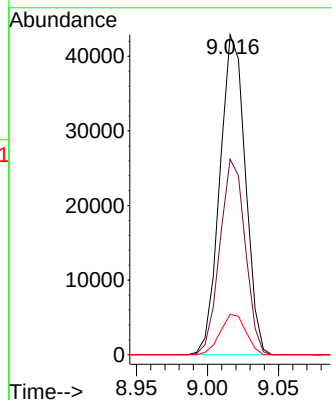
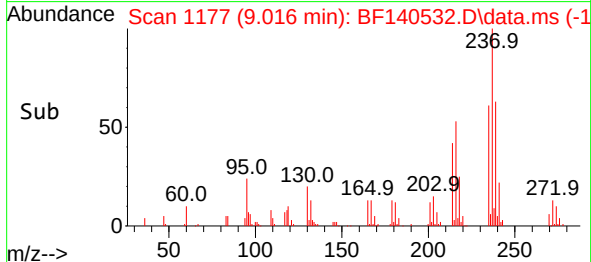
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



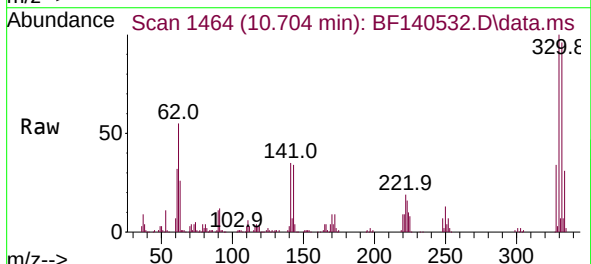
Tgt Ion:237 Resp: 5353  
Ion Ratio Lower Upper  
237 100  
235 61.1 41.1 81.1  
272 12.6 0.0 32.6

Manual Integrations  
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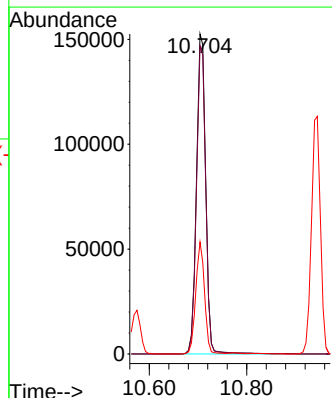
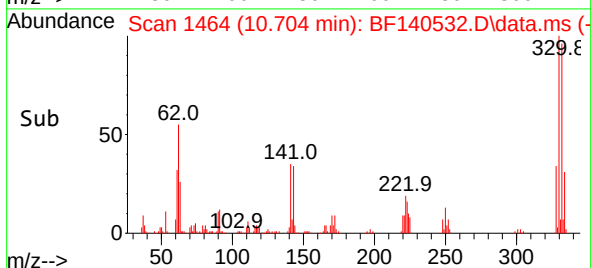
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



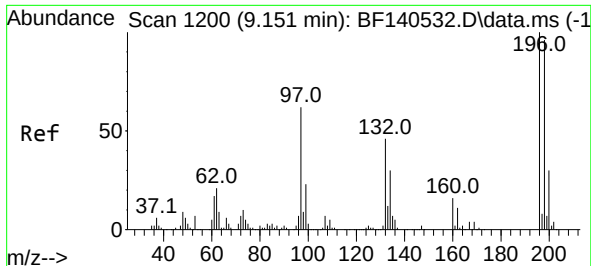
#42  
2,4,6-Tribromophenol  
Concen: 80.781 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:330 Resp: 202517  
Ion Ratio Lower Upper  
330 100  
332 96.1 76.9 115.3  
141 33.4 26.7 40.1

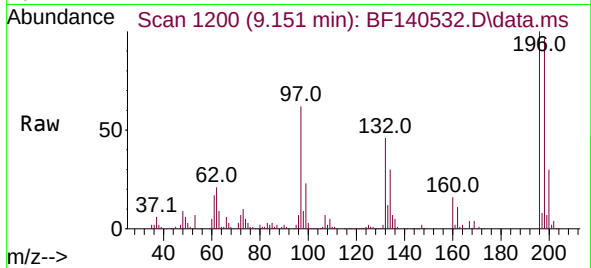






#43  
2,4,6-Trichlorophenol  
Concen: 39.799 ng  
RT: 9.151 min Scan# 1200  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

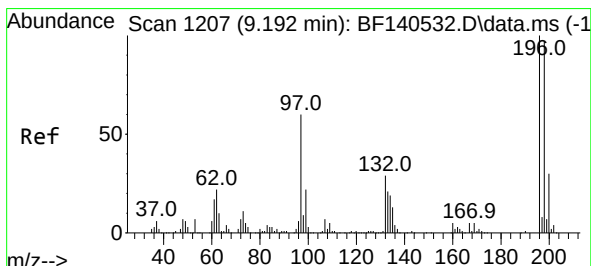
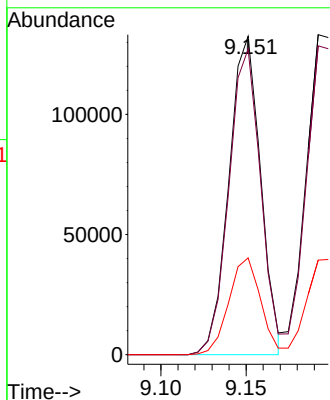
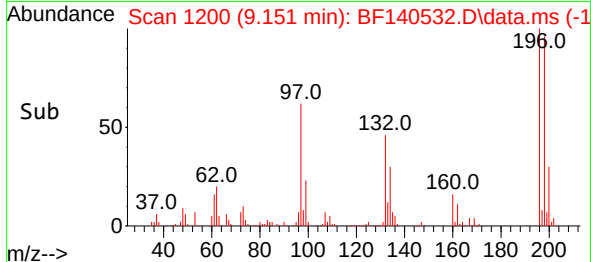
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



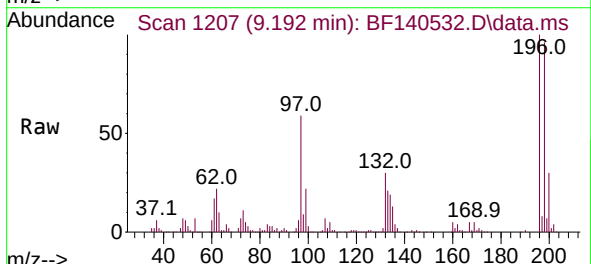
Tgt Ion:196 Resp: 171374  
Ion Ratio Lower Upper  
196 100  
198 96.0 76.8 115.2  
200 30.4 24.3 36.5

Manual Integrations  
APPROVED

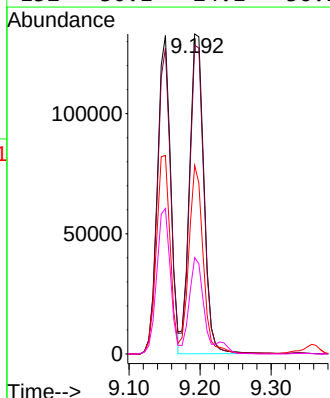
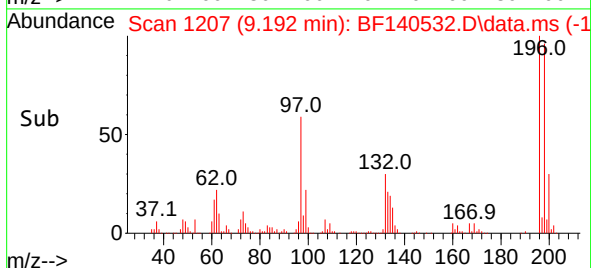
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

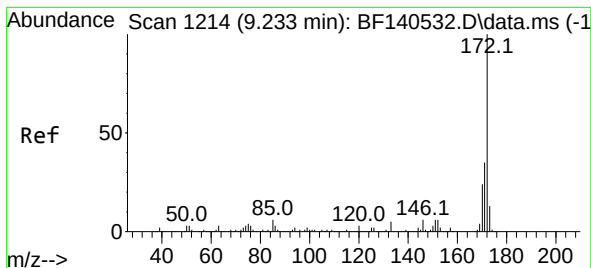


#44  
2,4,5-Trichlorophenol  
Concen: 40.504 ng  
RT: 9.192 min Scan# 1207  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:196 Resp: 189287  
Ion Ratio Lower Upper  
196 100  
198 96.5 77.2 115.8  
97 58.9 47.1 70.7  
132 30.1 24.1 36.1





#45

2-Fluorobiphenyl

Concen: 76.969 ng

RT: 9.233 min Scan# 1214

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 1210929

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

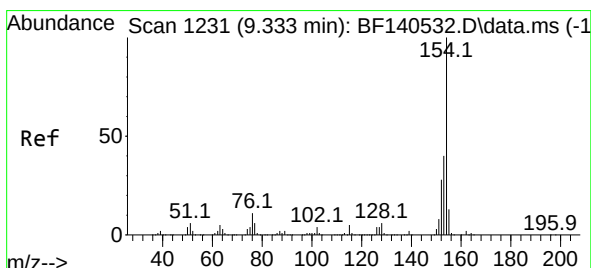
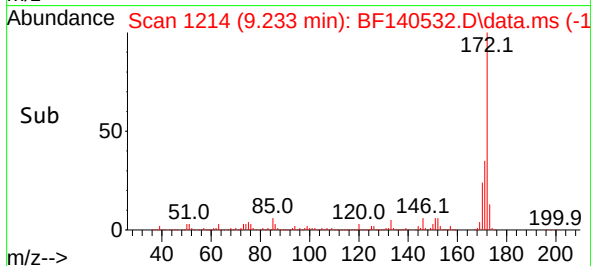
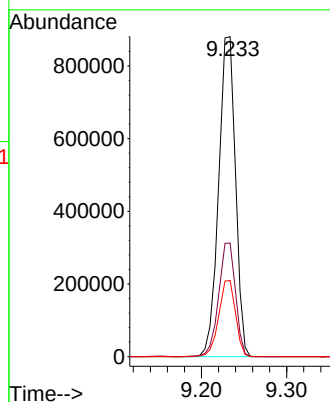
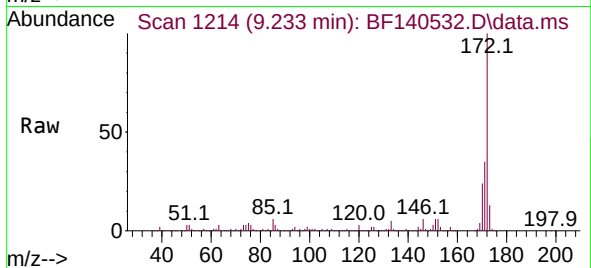
170 23.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#46

1,1'-Biphenyl

Concen: 38.750 ng

RT: 9.333 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

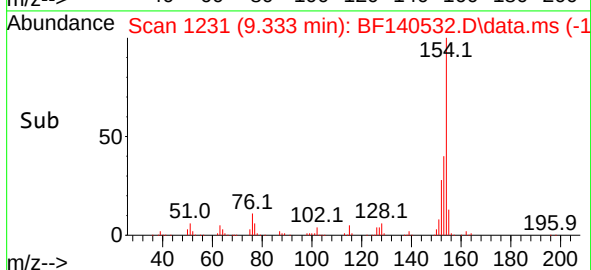
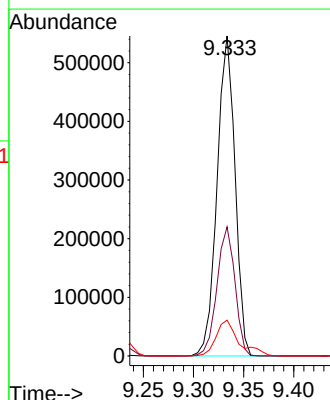
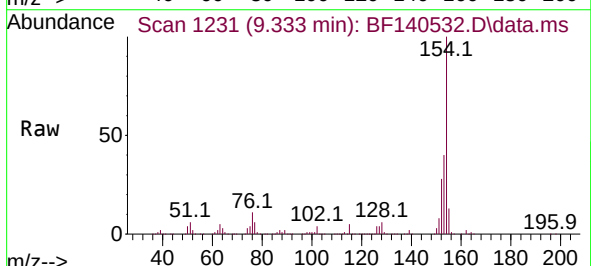
Tgt Ion:154 Resp: 678172

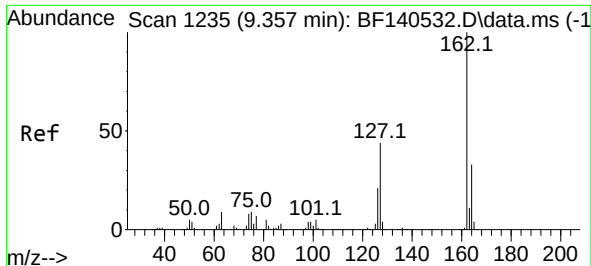
Ion Ratio Lower Upper

154 100

153 40.4 20.4 60.4

76 11.2 0.0 31.2





#47

2-Chloronaphthalene

Concen: 39.086 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

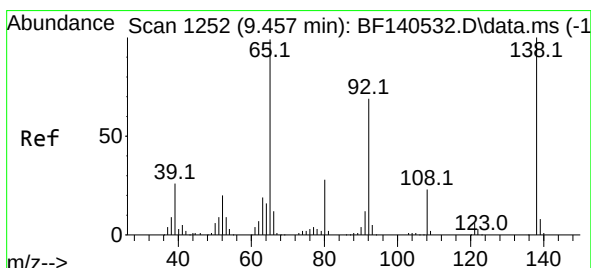
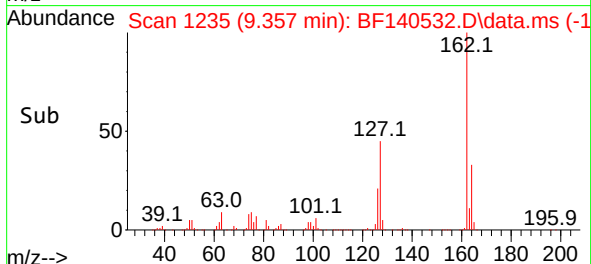
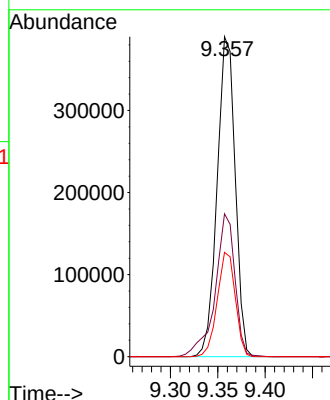
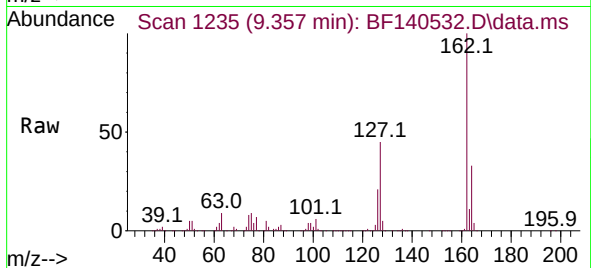
ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 518320  
 Ion Ratio Lower Upper  
 162 100  
 127 44.6 35.7 53.5  
 164 32.6 26.1 39.1

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024



#48

2-Nitroaniline

Concen: 40.410 ng

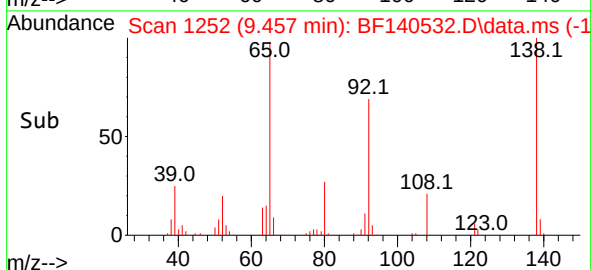
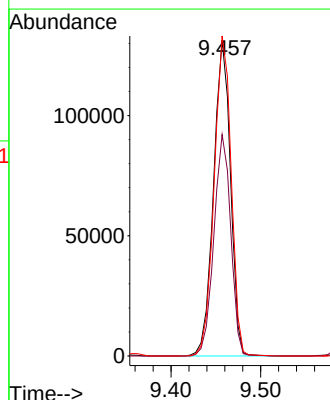
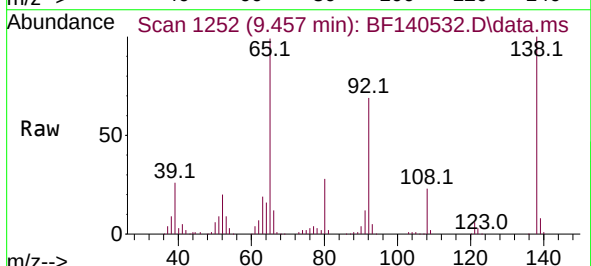
RT: 9.457 min Scan# 1252

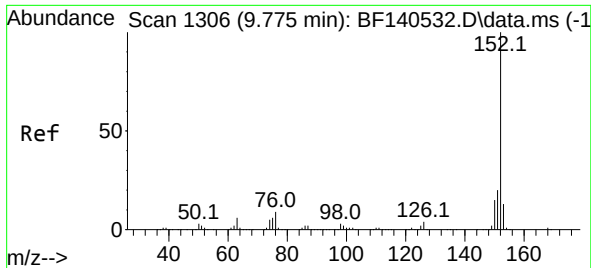
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Tgt Ion: 65 Resp: 172005  
 Ion Ratio Lower Upper  
 65 100  
 92 70.1 56.1 84.1  
 138 101.3 81.0 121.6





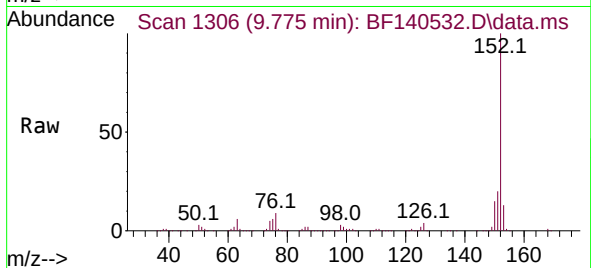
#49  
Acenaphthylene  
Concen: 38.899 ng  
RT: 9.775 min Scan# 1306  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNF

ClientSampleId :

SSTDICCC040



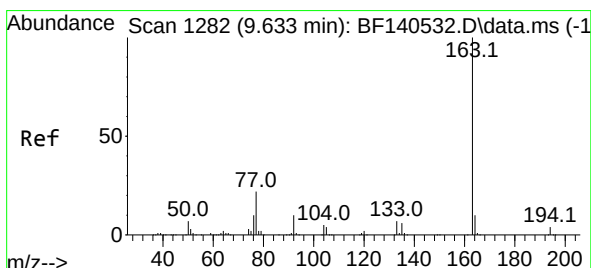
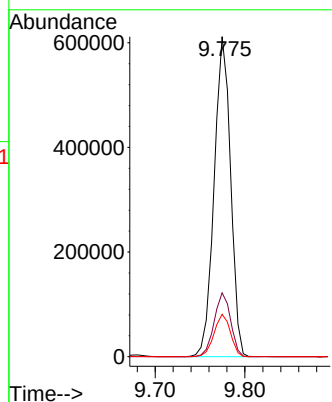
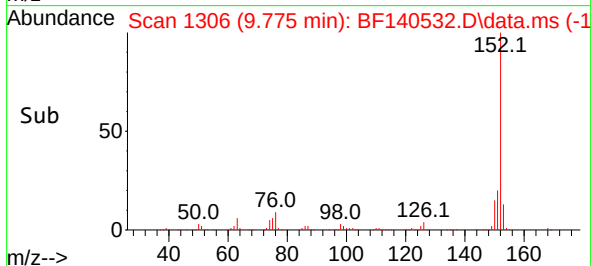
Tgt Ion:152 Resp: 779390  
Ion Ratio Lower Upper  
152 100  
151 19.9 15.9 23.9  
153 13.3 10.6 16.0

Manual Integrations

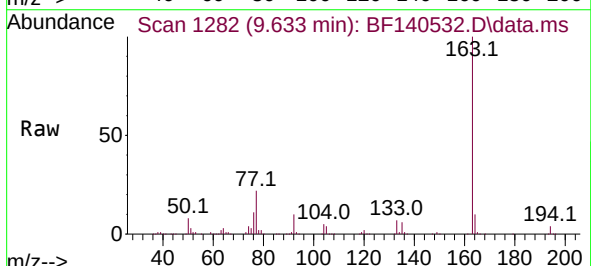
APPROVED

Reviewed By :Yogesh Patel 11/22/2024

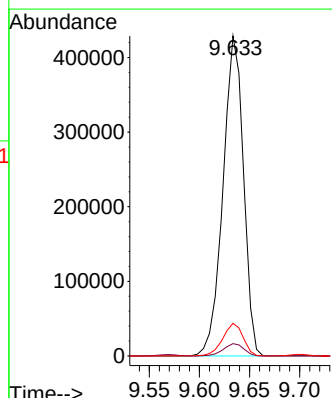
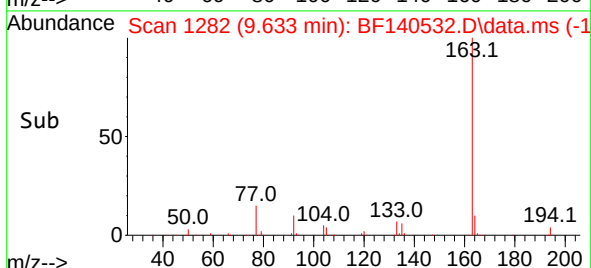
Supervised By :mohammad ahmed 11/27/2024

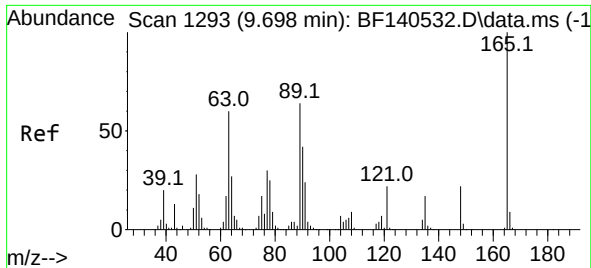


#50  
Dimethylphthalate  
Concen: 39.445 ng  
RT: 9.633 min Scan# 1282  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



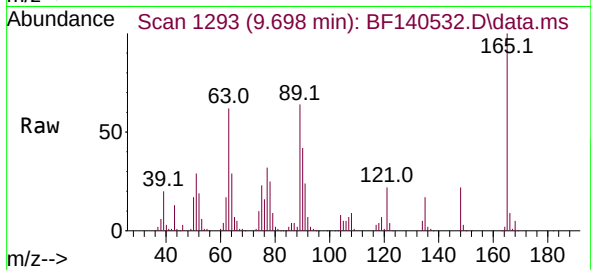
Tgt Ion:163 Resp: 608948  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.1 4.7  
164 10.2 8.2 12.2





#51  
2,6-Dinitrotoluene  
Concen: 40.249 ng  
RT: 9.698 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

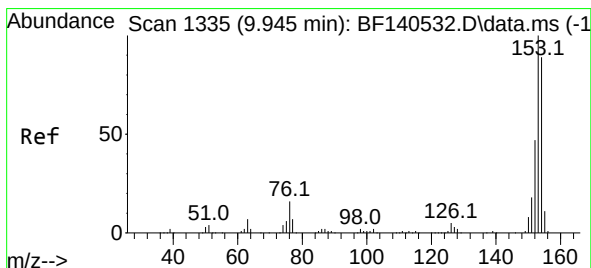
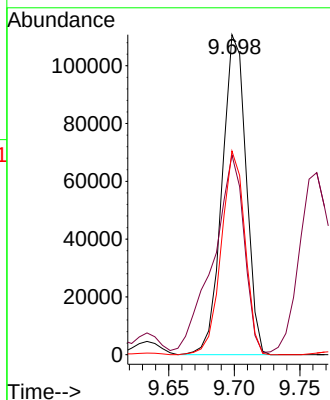
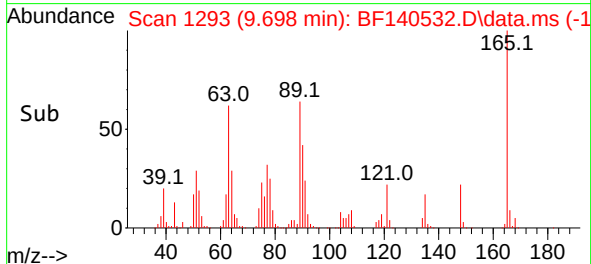
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



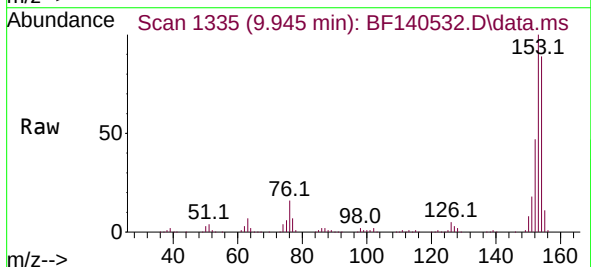
Tgt Ion:165 Resp: 140922  
Ion Ratio Lower Upper  
165 100  
63 62.4 49.9 74.9  
89 63.6 50.9 76.3

Manual Integrations  
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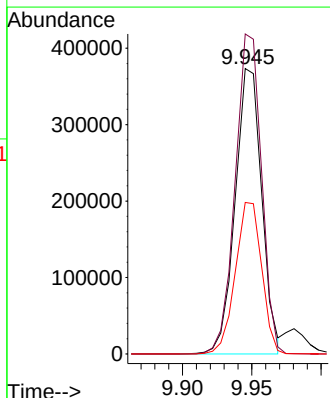
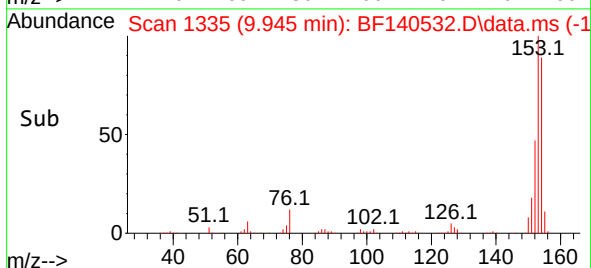
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

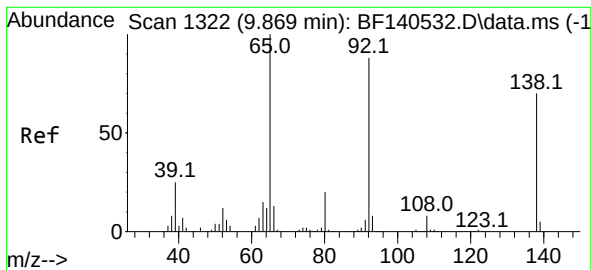


#52  
Acenaphthene  
Concen: 38.394 ng m  
RT: 9.945 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



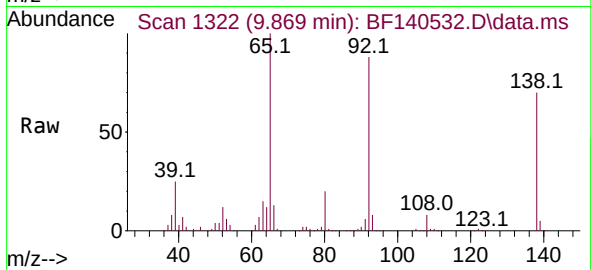
Tgt Ion:154 Resp: 498119  
Ion Ratio Lower Upper  
154 100  
153 112.1 89.7 134.5  
152 53.1 42.5 63.7





#53  
3-Nitroaniline  
Concen: 41.134 ng  
RT: 9.869 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

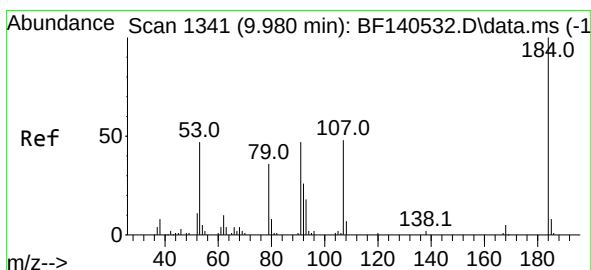
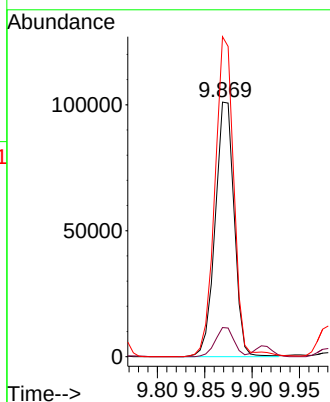
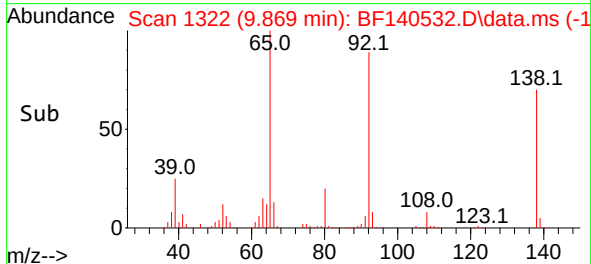
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:138 Resp: 140859  
Ion Ratio Lower Upper  
138 100  
108 11.5 9.2 13.8  
92 125.7 100.6 150.8

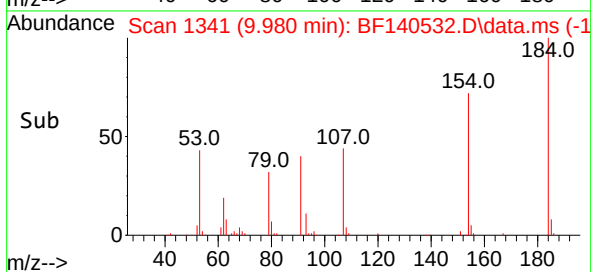
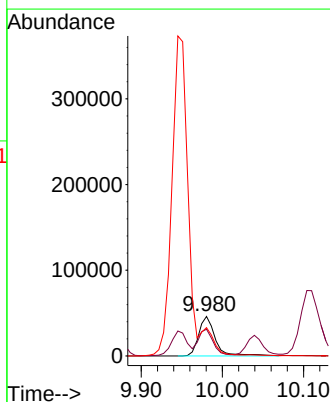
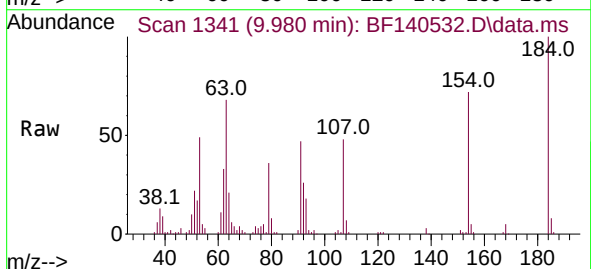
Manual Integrations  
APPROVED

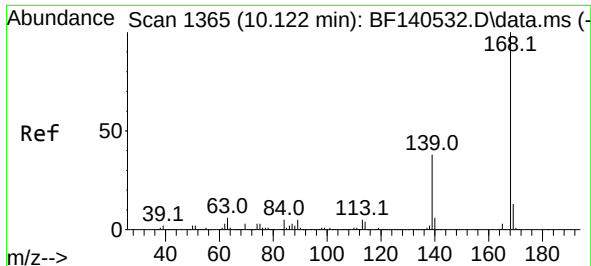
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#54  
2,4-Dinitrophenol  
Concen: 40.435 ng  
RT: 9.980 min Scan# 1341  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

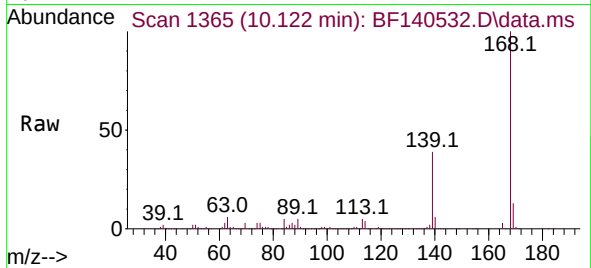
Tgt Ion:184 Resp: 65546  
Ion Ratio Lower Upper  
184 100  
63 67.6 54.1 81.1  
154 71.7 57.4 86.0





#55  
Dibenzenofuran  
Concen: 39.153 ng  
RT: 10.122 min Scan# 1365  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

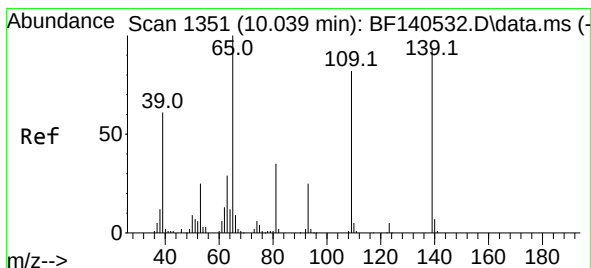
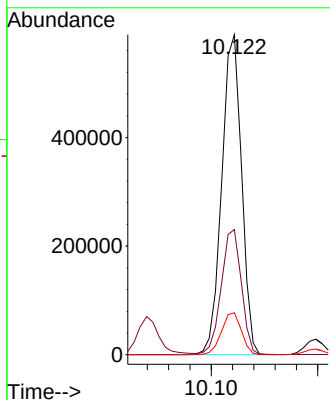
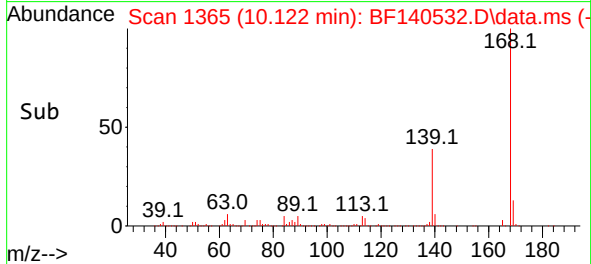
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:168 Resp: 760308  
Ion Ratio Lower Upper  
168 100  
139 39.1 31.3 46.9  
169 13.1 10.5 15.7

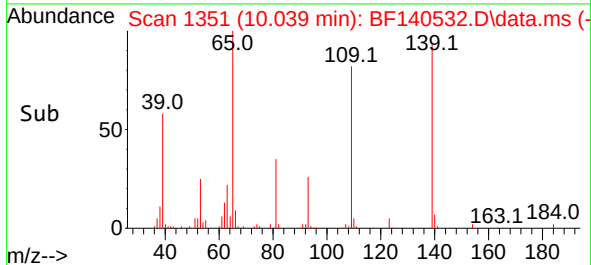
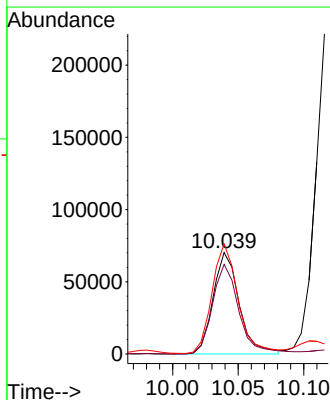
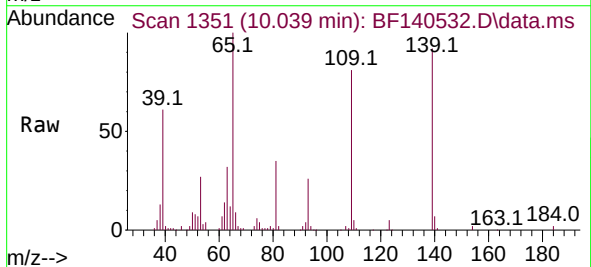
Manual Integrations  
APPROVED

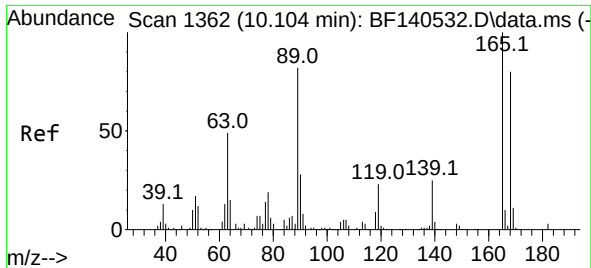
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#56  
4-Nitrophenol  
Concen: 41.591 ng  
RT: 10.039 min Scan# 1351  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:139 Resp: 97133  
Ion Ratio Lower Upper  
139 100  
109 88.4 68.4 108.4  
65 108.6 88.6 128.6





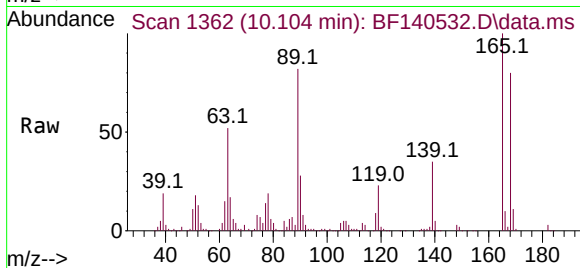
#57  
2,4-Dinitrotoluene  
Concen: 40.662 ng  
RT: 10.104 min Scan# 1362  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

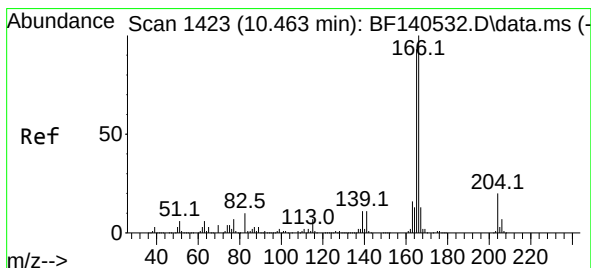
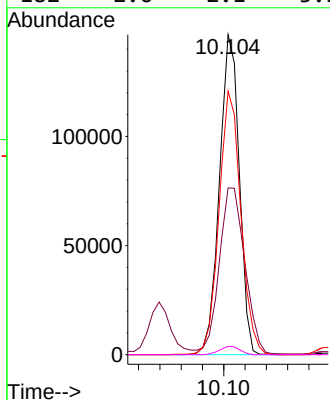
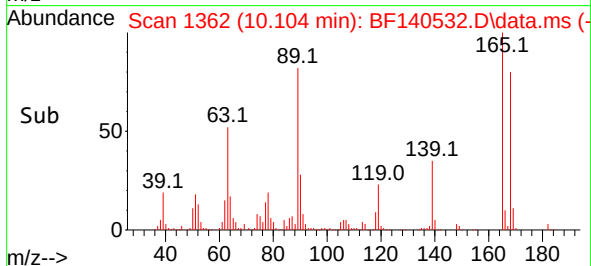


Tgt Ion:165 Resp: 18921  
Ion Ratio Lower Upper  
165 100  
63 52.1 41.7 62.5  
89 82.3 65.8 98.8  
182 2.6 2.1 3.1

Manual Integrations

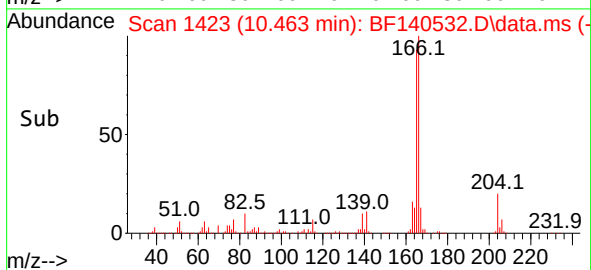
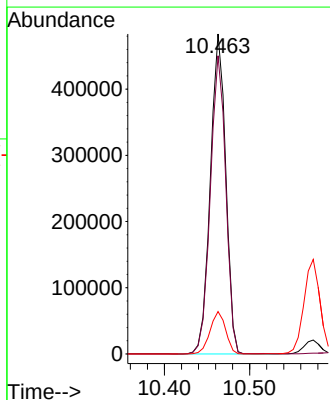
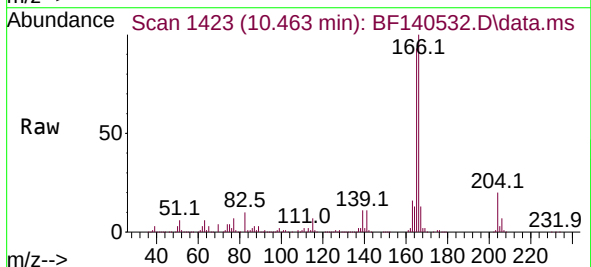
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

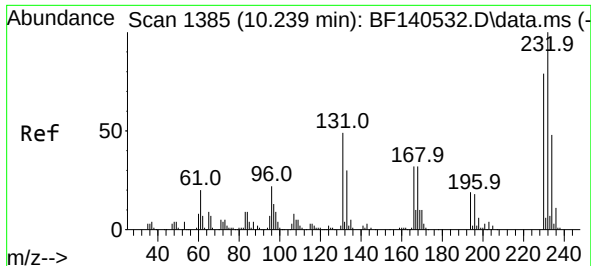


#58  
Fluorene  
Concen: 38.956 ng  
RT: 10.463 min Scan# 1423  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Tgt Ion:166 Resp: 607198  
Ion Ratio Lower Upper  
166 100  
165 93.2 74.6 111.8  
167 13.3 10.6 16.0

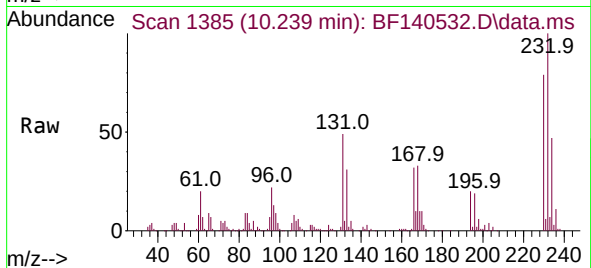






#59  
2,3,4,6-Tetrachlorophenol  
Concen: 40.757 ng  
RT: 10.239 min Scan# 1385  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

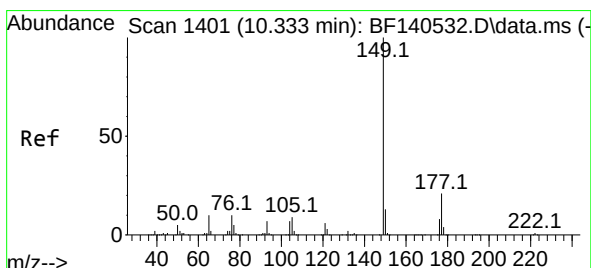
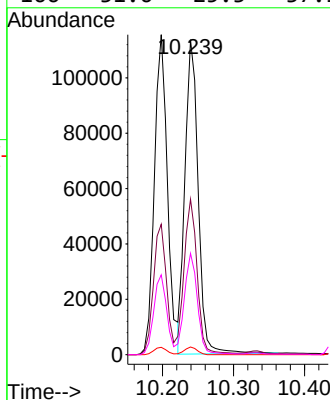
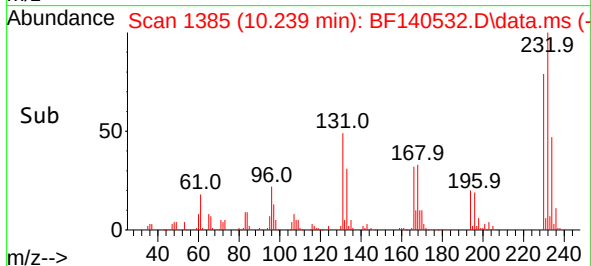
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



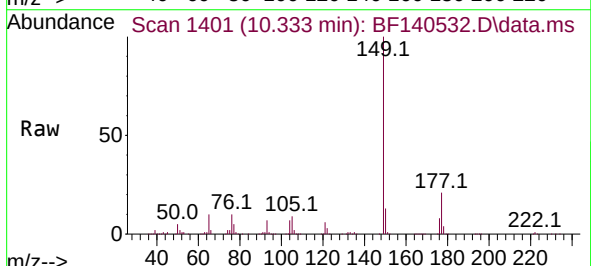
Tgt Ion:232 Resp: 14638  
Ion Ratio Lower Upper  
232 100  
131 49.5 39.6 59.4  
130 2.4 1.9 2.9  
166 31.6 25.3 37.9

Manual Integrations  
APPROVED

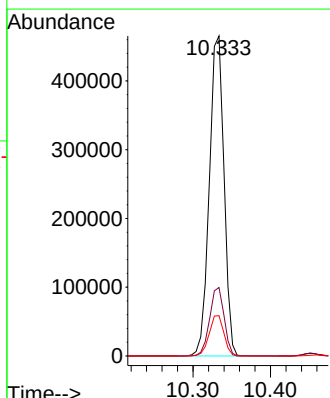
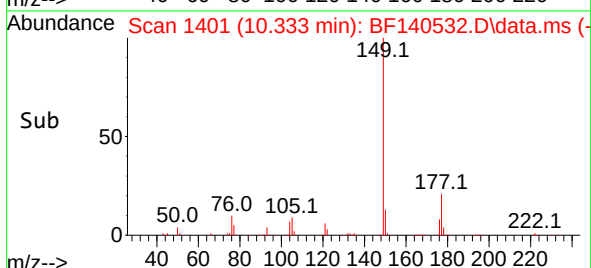
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

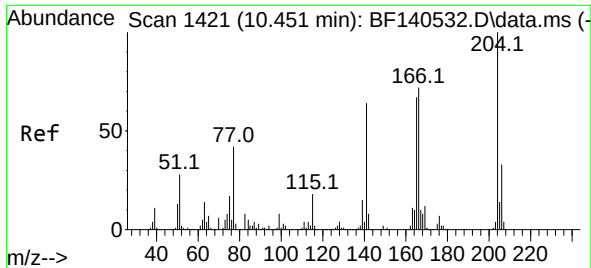


#60  
Diethylphthalate  
Concen: 39.176 ng  
RT: 10.333 min Scan# 1401  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



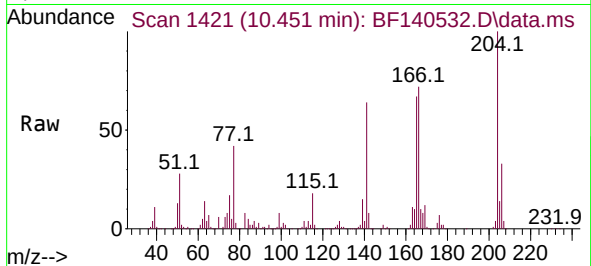
Tgt Ion:149 Resp: 614490  
Ion Ratio Lower Upper  
149 100  
177 21.4 17.1 25.7  
150 12.6 10.1 15.1





#61  
4-Chlorophenyl-phenylether  
Concen: 39.175 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

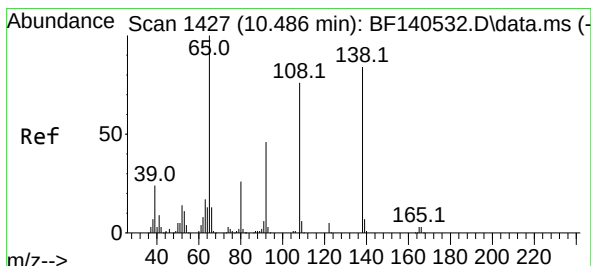
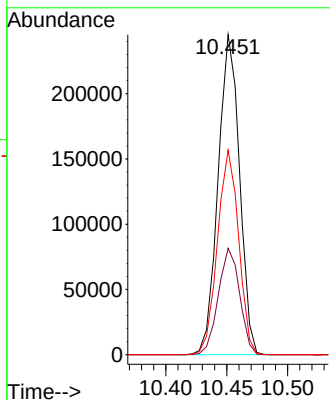
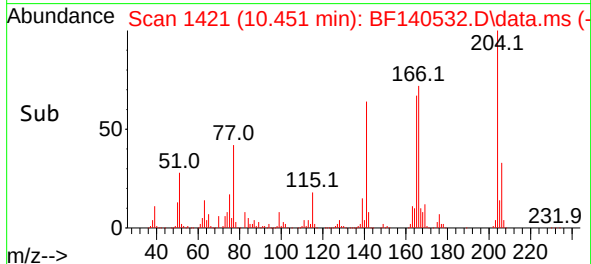
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:204 Resp: 299662  
Ion Ratio Lower Upper  
204 100  
206 33.3 26.6 40.0  
141 63.9 51.1 76.7

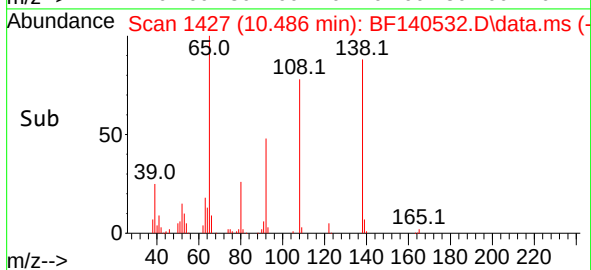
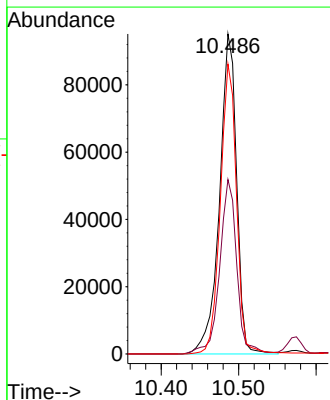
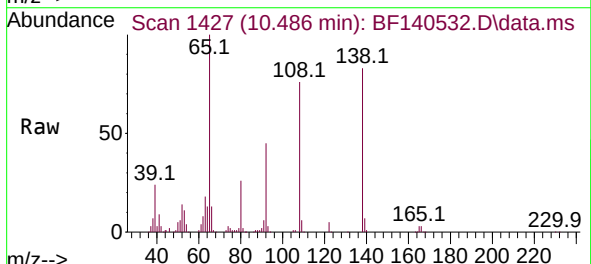
Manual Integrations  
APPROVED

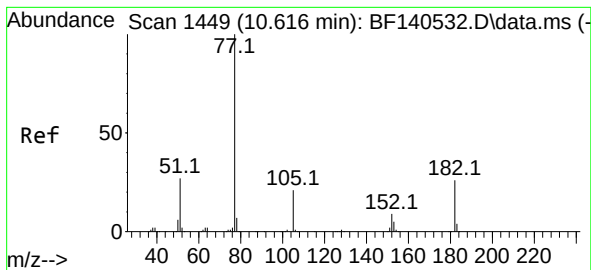
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#62  
4-Nitroaniline  
Concen: 40.750 ng  
RT: 10.486 min Scan# 1427  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

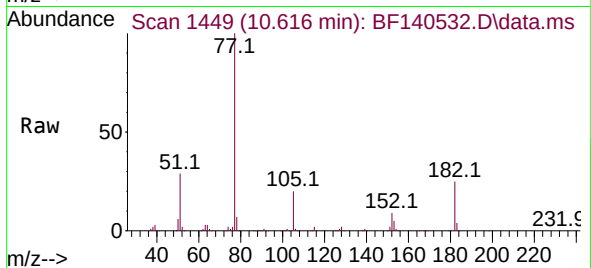
Tgt Ion:138 Resp: 146354  
Ion Ratio Lower Upper  
138 100  
92 54.5 34.5 74.5  
108 90.6 70.6 110.6





#63  
Azobenzene  
Concen: 38.983 ng  
RT: 10.616 min Scan# 1449  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

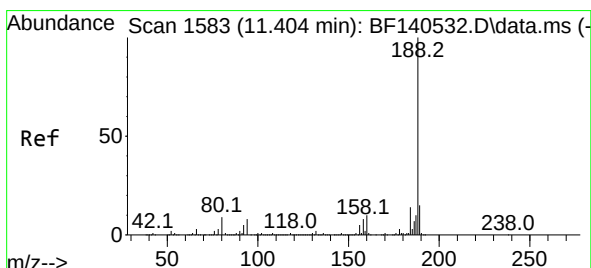
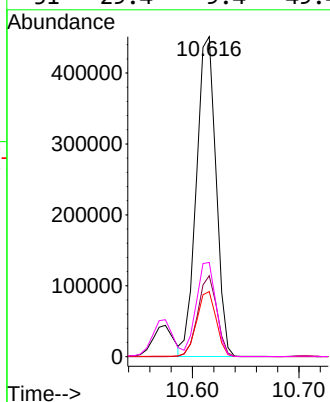
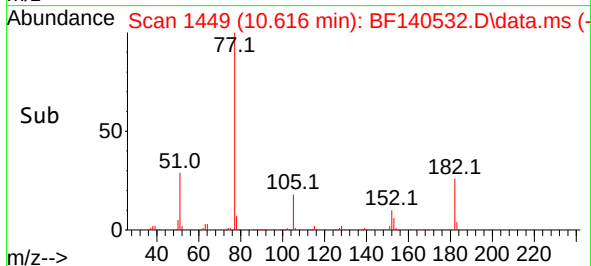
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



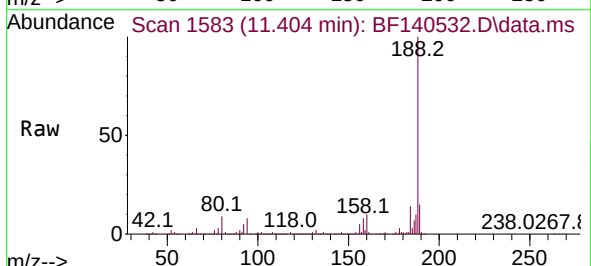
Tgt Ion: 77 Resp: 57904  
Ion Ratio Lower Upper  
77 100  
182 25.3 5.3 45.3  
105 20.3 0.3 40.3  
51 29.4 9.4 49.4

Manual Integrations  
APPROVED

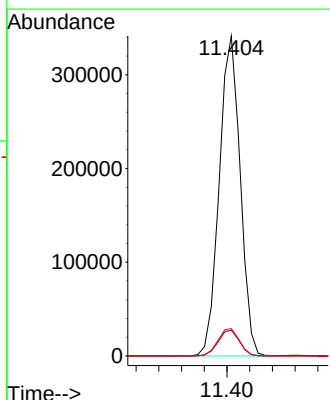
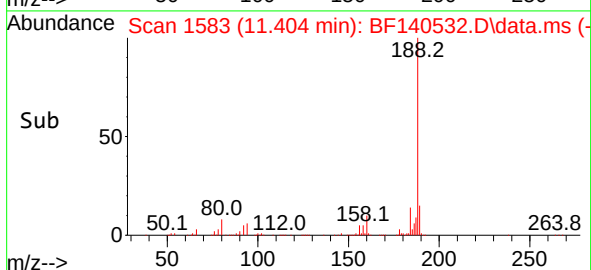
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

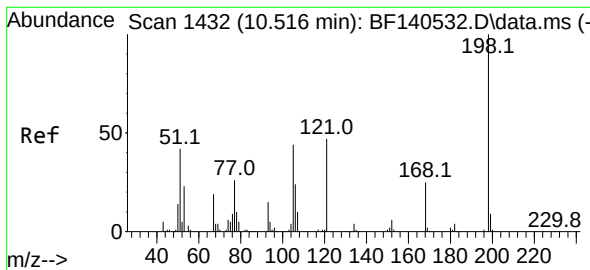


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 1583  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:188 Resp: 437466  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.4 9.6  
80 8.6 6.9 10.3





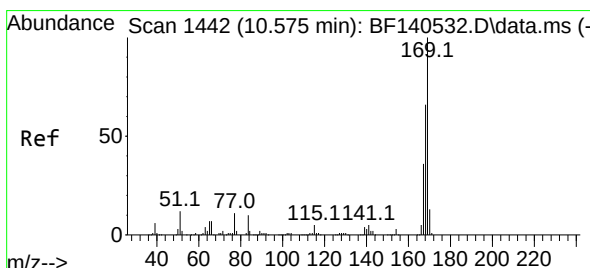
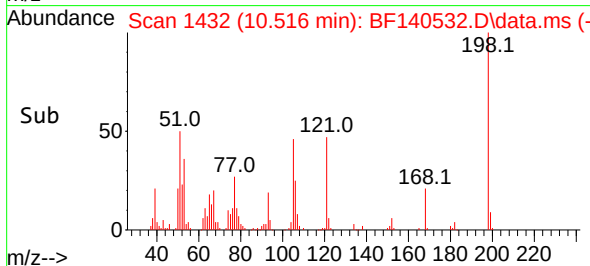
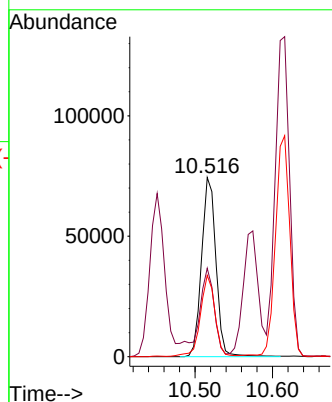
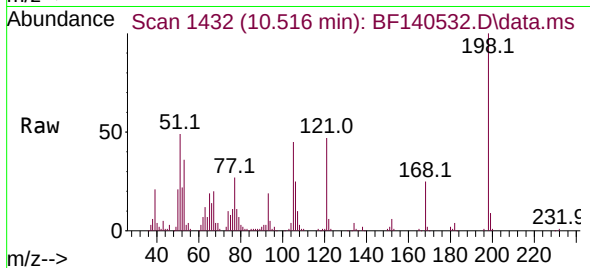
#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.998 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

Tgt Ion:198 Resp: 96120  
Ion Ratio Lower Upper  
198 100  
51 49.4 29.4 69.4  
105 45.4 25.4 65.4

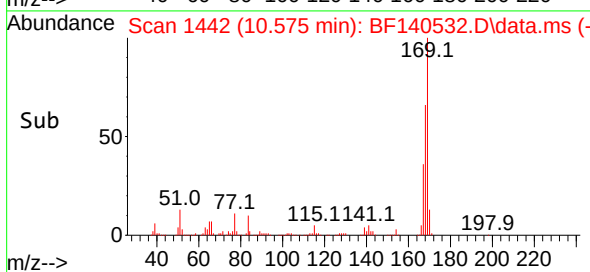
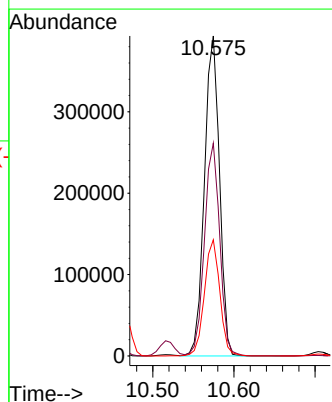
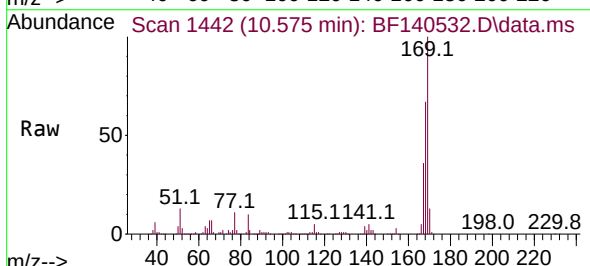
Manual Integrations  
APPROVED

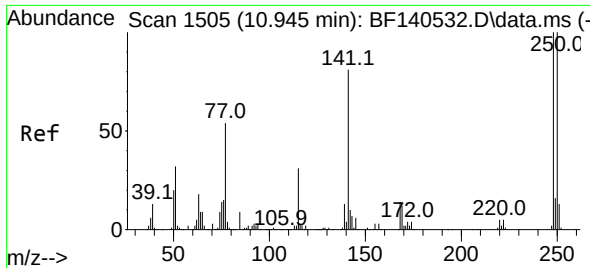
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#66  
n-Nitrosodiphenylamine  
Concen: 39.070 ng  
RT: 10.575 min Scan# 1442  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

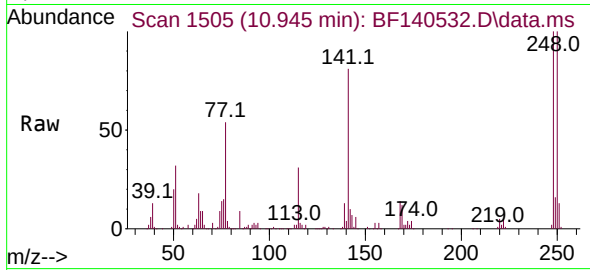
Tgt Ion:169 Resp: 505450  
Ion Ratio Lower Upper  
169 100  
168 66.5 53.2 79.8  
167 36.3 29.0 43.6





#67  
4-Bromophenyl-phenylether  
Concen: 38.787 ng  
RT: 10.945 min Scan# 1505  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

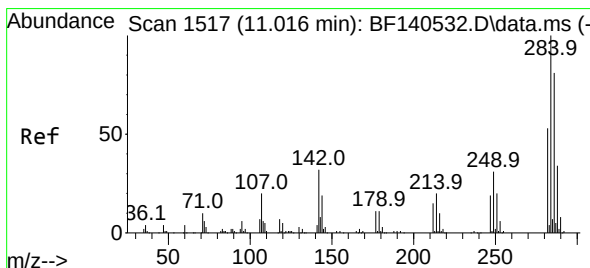
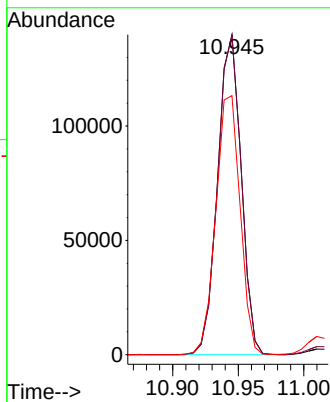
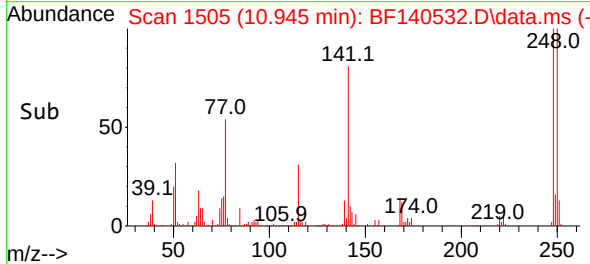
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



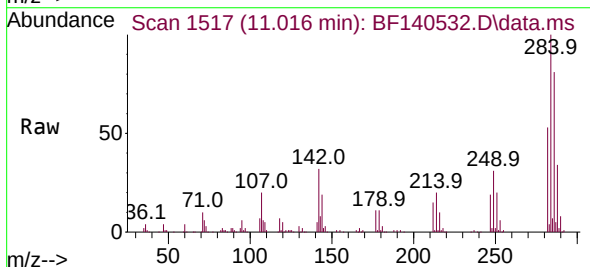
Tgt Ion:248 Resp: 174740  
Ion Ratio Lower Upper  
248 100  
250 99.8 79.8 119.8  
141 80.9 64.7 97.1

Manual Integrations  
APPROVED

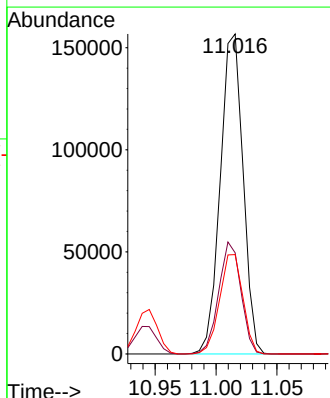
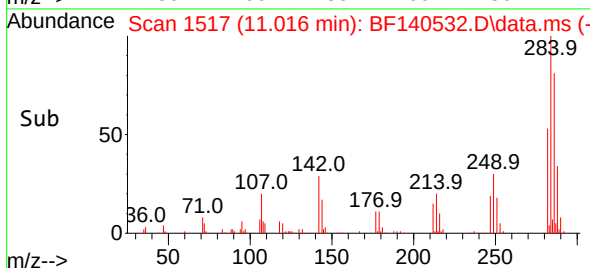
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

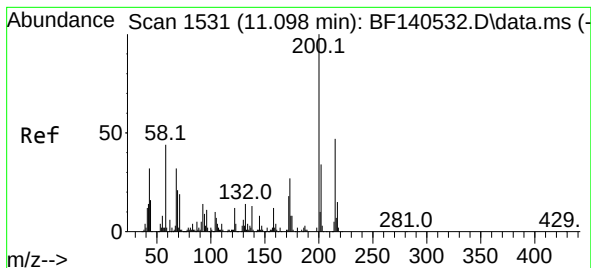


#68  
Hexachlorobenzene  
Concen: 39.129 ng  
RT: 11.016 min Scan# 1517  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:284 Resp: 204123  
Ion Ratio Lower Upper  
284 100  
142 31.6 25.3 37.9  
249 31.0 24.8 37.2





#69

Atrazine

Concen: 33.635 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

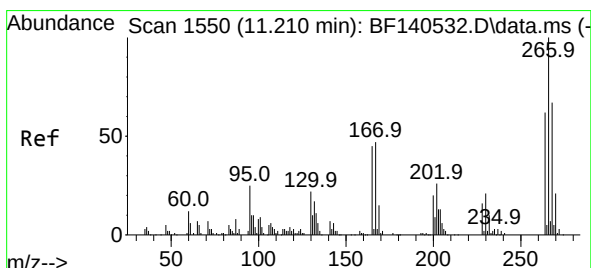
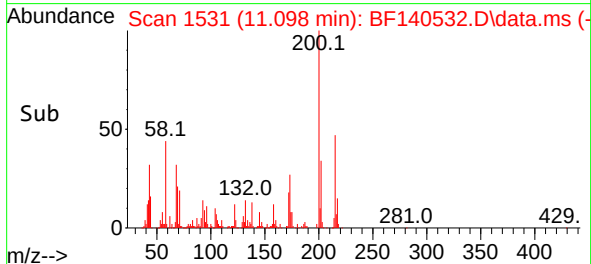
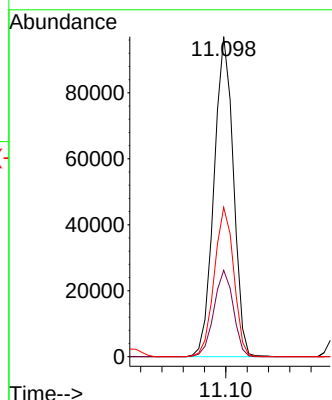
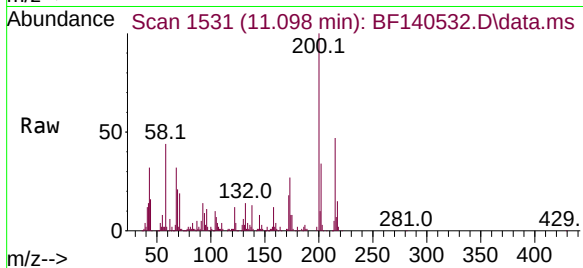
Tgt Ion:200 Resp: 12241  
 Ion Ratio Lower Upper  
 200 100  
 173 27.0 7.0 47.0  
 215 46.7 26.7 66.7

Manual Integrations

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Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#70

Pentachlorophenol

Concen: 44.226 ng

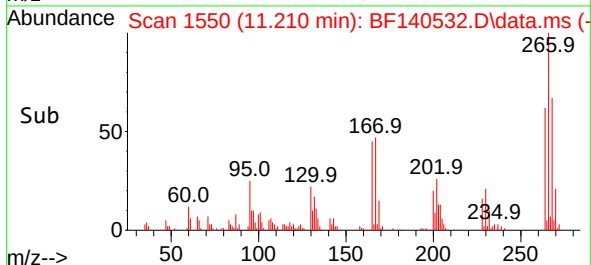
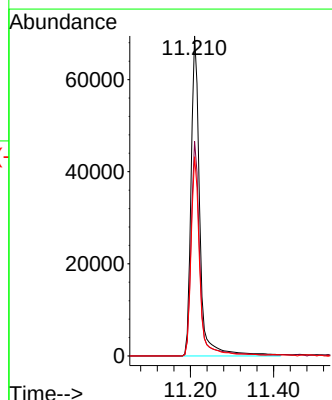
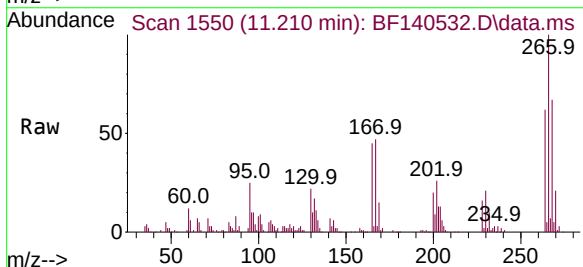
RT: 11.210 min Scan# 1550

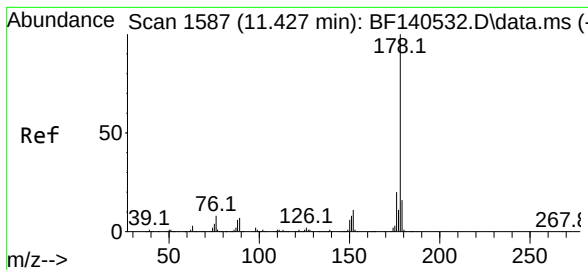
Delta R.T. -0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

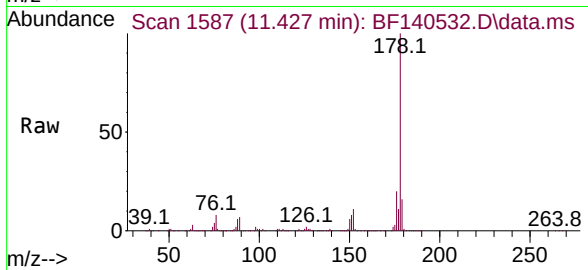
Tgt Ion:266 Resp: 101542  
 Ion Ratio Lower Upper  
 266 100  
 268 67.1 53.7 80.5  
 264 62.3 49.8 74.8





#71  
Phenanthrene  
Concen: 39.293 ng  
RT: 11.427 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

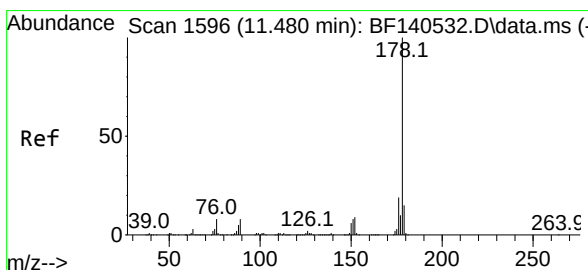
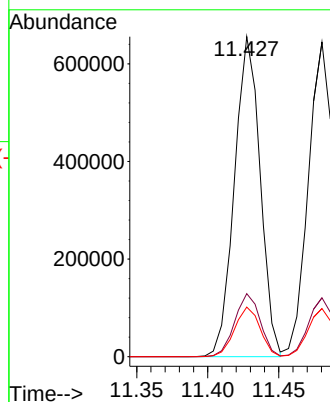
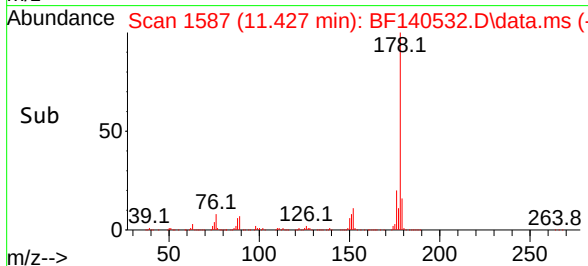
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



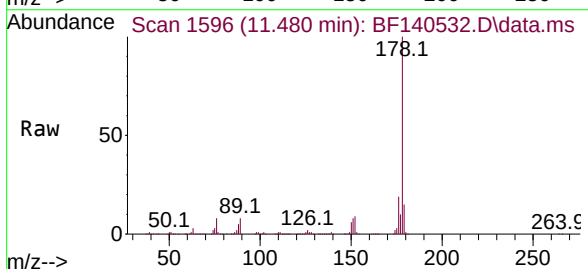
Tgt Ion:178 Resp: 826269  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.8 23.6  
179 15.5 12.4 18.6

Manual Integrations  
APPROVED

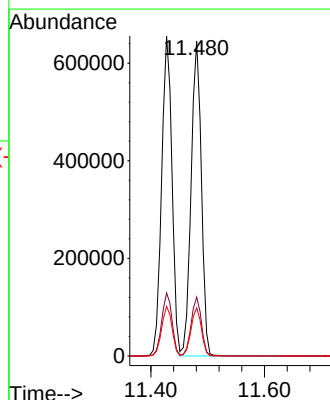
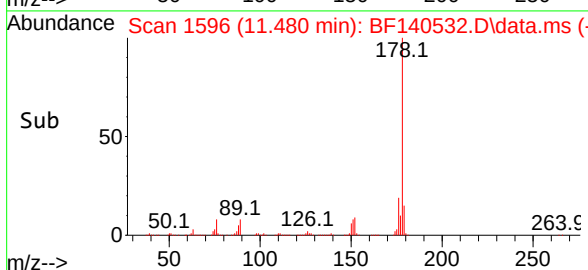
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

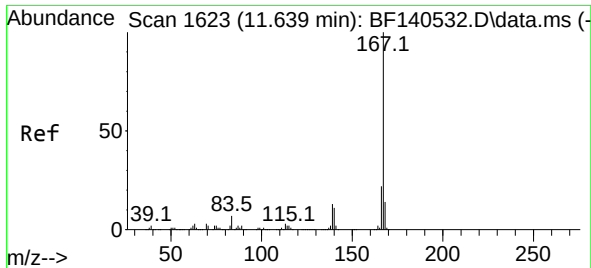


#72  
Anthracene  
Concen: 39.329 ng  
RT: 11.480 min Scan# 1596  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



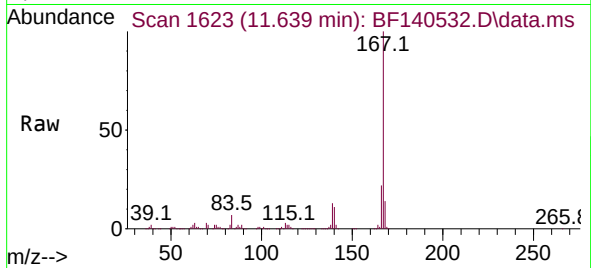
Tgt Ion:178 Resp: 808988  
Ion Ratio Lower Upper  
178 100  
176 18.7 15.0 22.4  
179 15.3 12.2 18.4





#73  
 Carbazole  
 Concen: 39.322 ng  
 RT: 11.639 min Scan# 1623  
 Delta R.T. 0.000 min  
 Lab File: BF140532.D  
 Acq: 21 Nov 2024 12:58

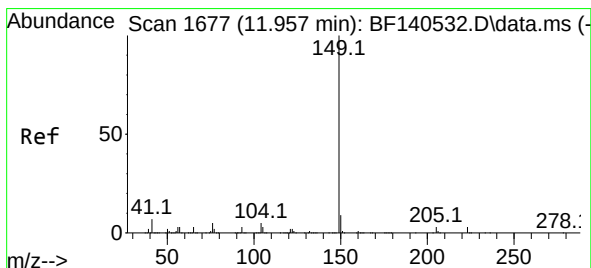
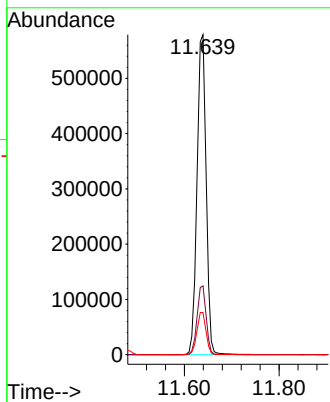
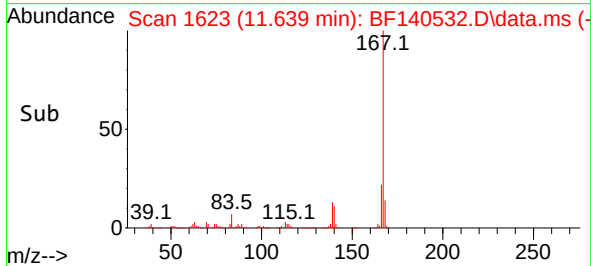
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICCC040



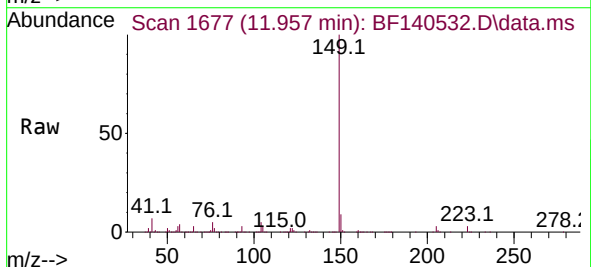
Tgt Ion:167 Resp: 77811  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.2 25.8  
 139 13.2 10.6 15.8

Manual Integrations  
 APPROVED

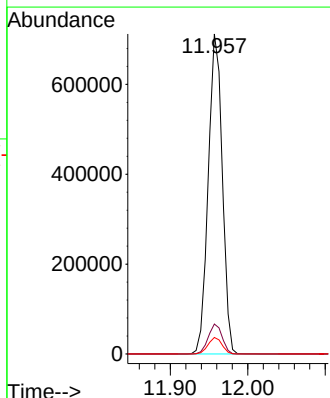
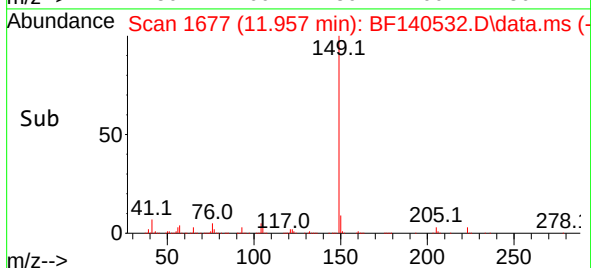
Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024



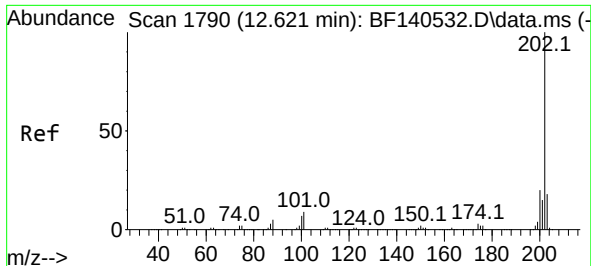
#74  
 Di-n-butylphthalate  
 Concen: 39.186 ng  
 RT: 11.957 min Scan# 1677  
 Delta R.T. 0.000 min  
 Lab File: BF140532.D  
 Acq: 21 Nov 2024 12:58



Tgt Ion:149 Resp: 895236  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.5 11.3  
 104 5.1 4.1 6.1

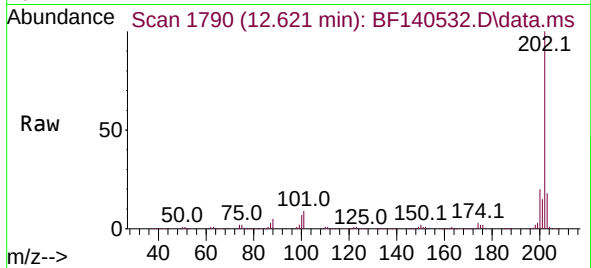






#75  
Fluoranthene  
Concen: 38.845 ng  
RT: 12.621 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

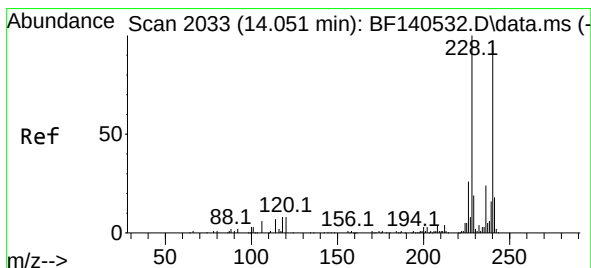
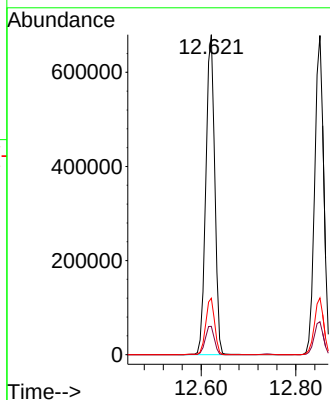
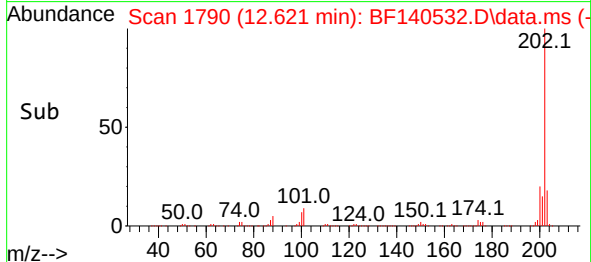
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



Tgt Ion:202 Resp: 886900  
Ion Ratio Lower Upper  
202 100  
101 8.9 0.0 28.9  
203 17.6 0.0 37.6

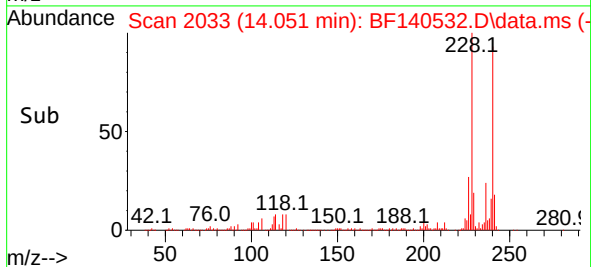
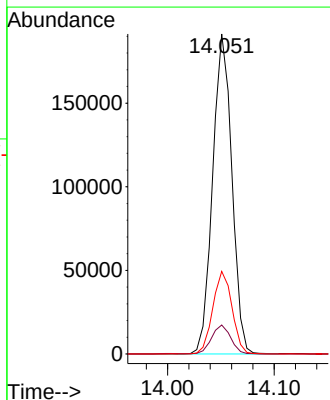
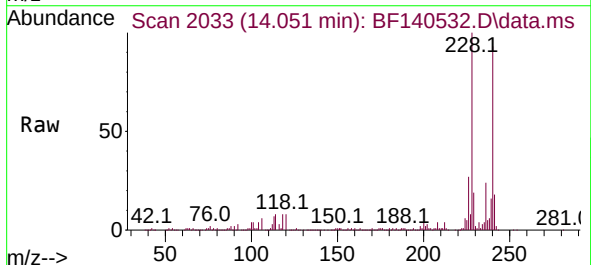
Manual Integrations  
APPROVED

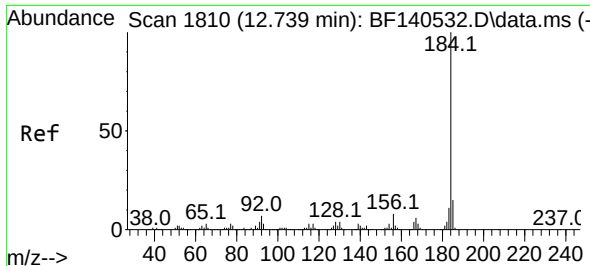
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.051 min Scan# 2033  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

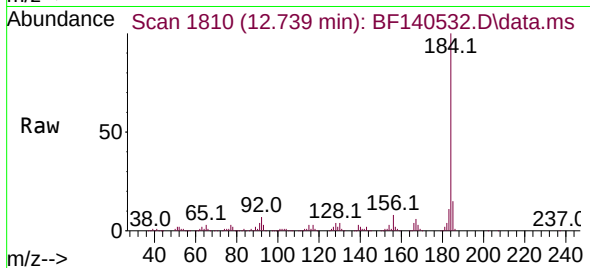
Tgt Ion:240 Resp: 239343  
Ion Ratio Lower Upper  
240 100  
120 9.1 7.3 10.9  
236 25.8 20.6 31.0





#77  
Benzidine  
Concen: 39.525 ng  
RT: 12.739 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

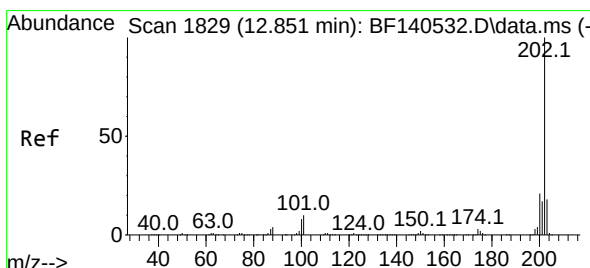
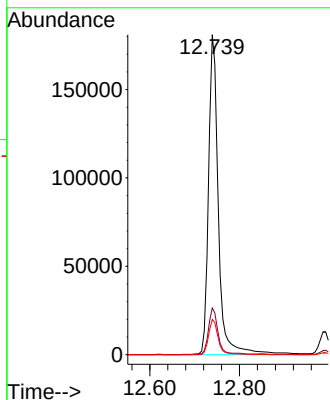
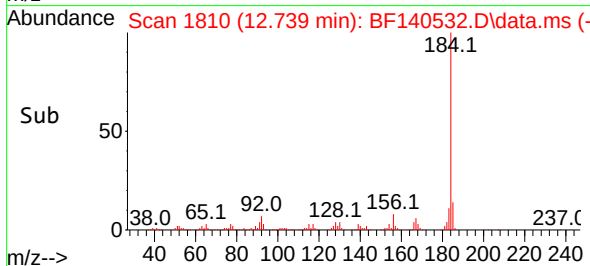
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



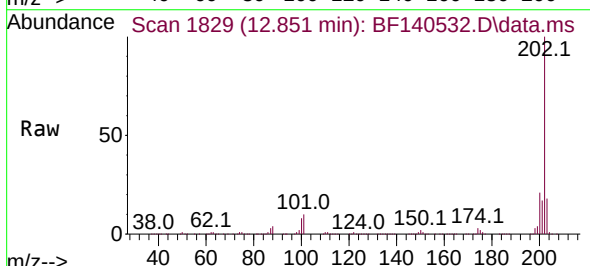
Tgt Ion:184 Resp: 27504  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.7 17.5  
183 11.0 8.8 13.2

Manual Integrations  
APPROVED

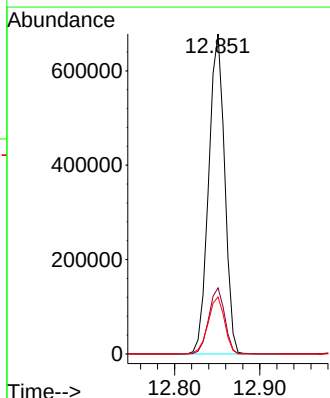
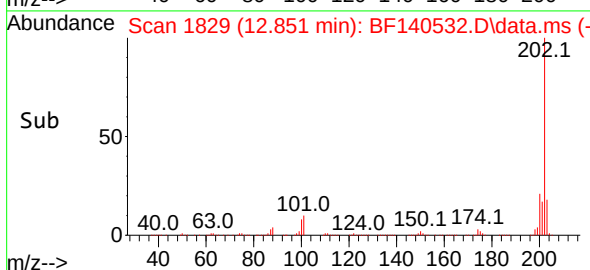
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

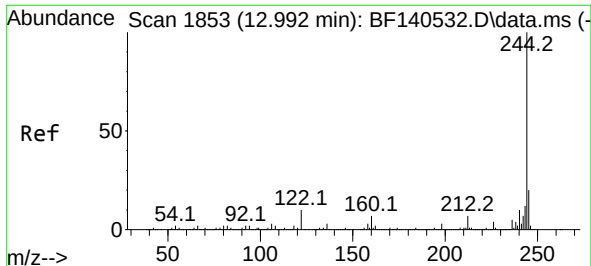


#78  
Pyrene  
Concen: 40.090 ng  
RT: 12.851 min Scan# 1829  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



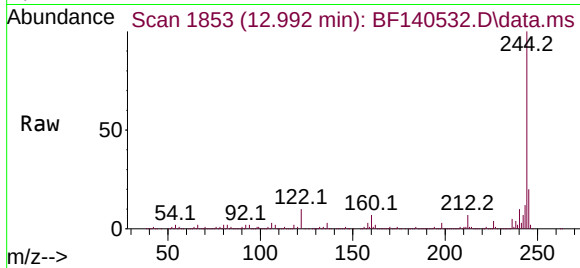
Tgt Ion:202 Resp: 887193  
Ion Ratio Lower Upper  
202 100  
200 20.6 16.5 24.7  
203 17.8 14.2 21.4





#79  
 Terphenyl-d14  
 Concen: 79.896 ng  
 RT: 12.992 min Scan# 1853  
 Delta R.T. 0.000 min  
 Lab File: BF140532.D  
 Acq: 21 Nov 2024 12:58

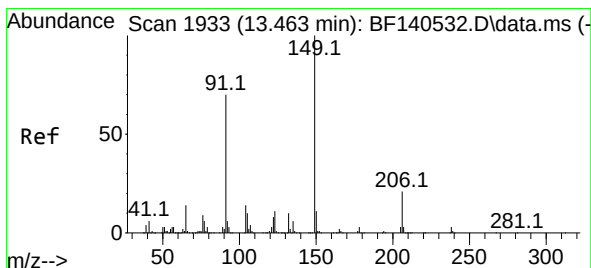
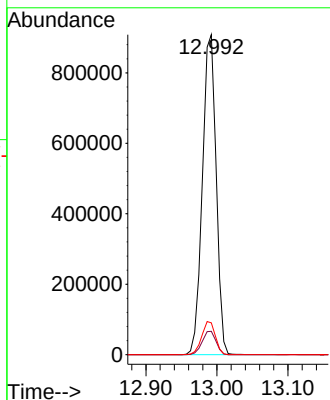
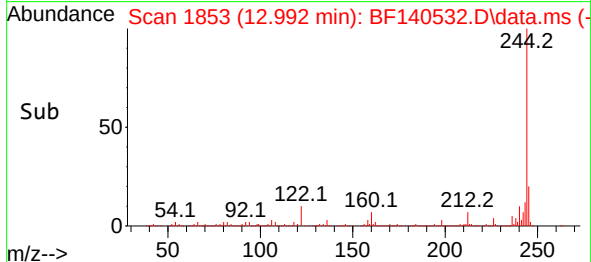
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC040



Tgt Ion:244 Resp: 1228064  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 10.0 8.0 12.0

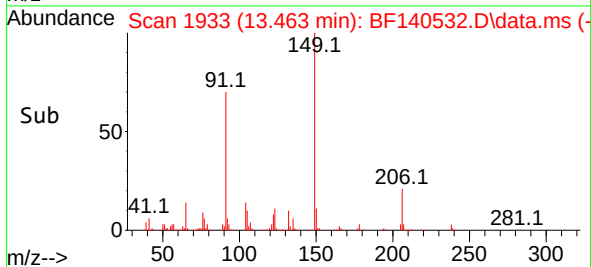
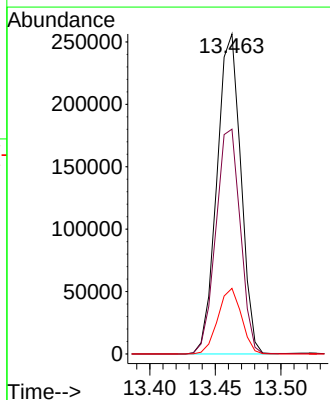
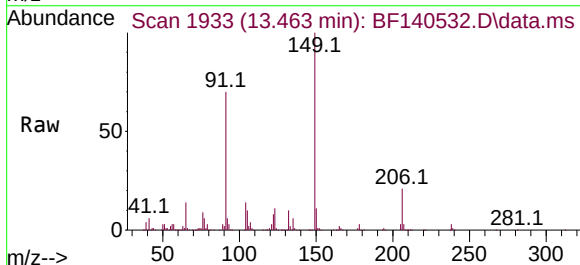
Manual Integrations  
 APPROVED

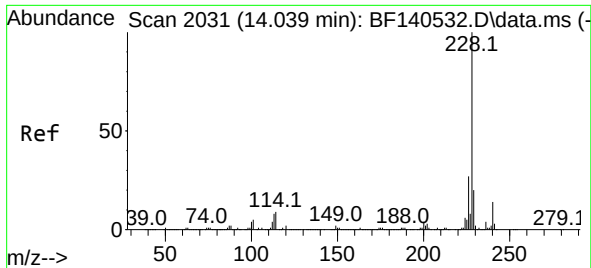
Reviewed By :Yogesh Patel 11/22/2024  
 Supervised By :mohammad ahmed 11/27/2024



#80  
 Butylbenzylphthalate  
 Concen: 40.751 ng  
 RT: 13.463 min Scan# 1933  
 Delta R.T. 0.000 min  
 Lab File: BF140532.D  
 Acq: 21 Nov 2024 12:58

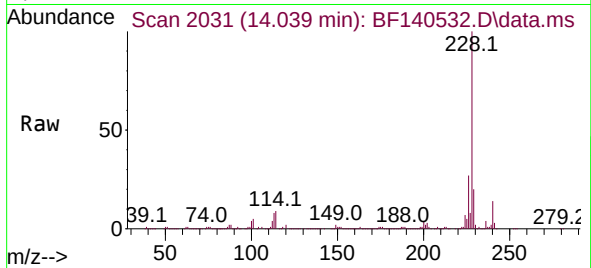
Tgt Ion:149 Resp: 324879  
 Ion Ratio Lower Upper  
 149 100  
 91 70.2 56.2 84.2  
 206 20.5 16.4 24.6





#81  
Benzo(a)anthracene  
Concen: 38.868 ng  
RT: 14.039 min Scan# 2031  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

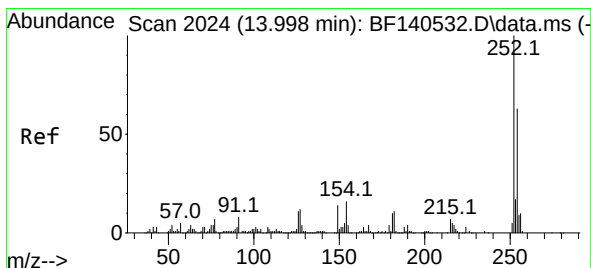
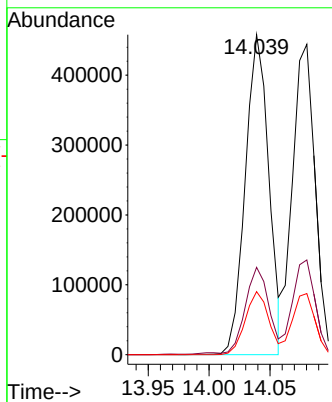
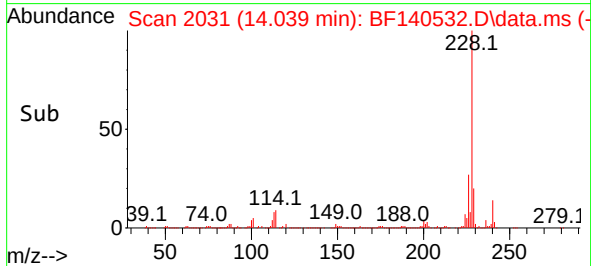
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



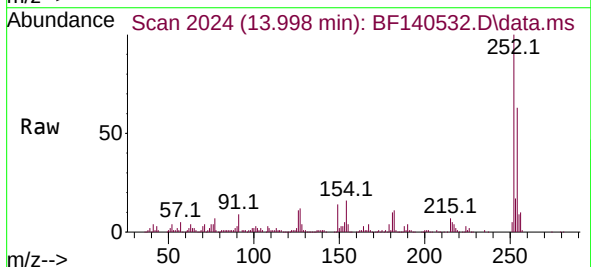
Tgt Ion:228 Resp: 615808  
Ion Ratio Lower Upper  
228 100  
226 27.3 21.8 32.8  
229 19.7 15.8 23.6

Manual Integrations  
APPROVED

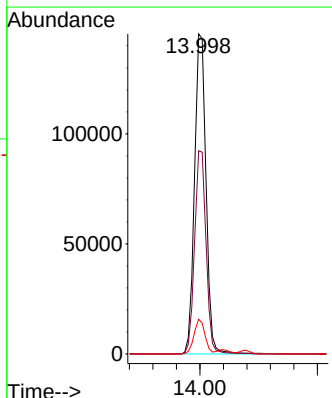
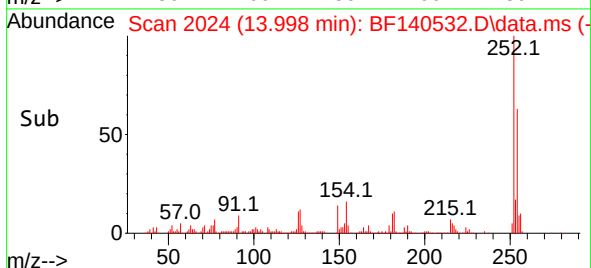
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

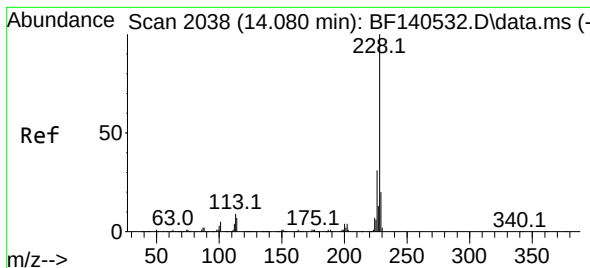


#82  
3,3'-Dichlorobenzidine  
Concen: 41.554 ng  
RT: 13.998 min Scan# 2024  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:252 Resp: 197667  
Ion Ratio Lower Upper  
252 100  
254 63.5 50.8 76.2  
126 10.8 8.6 13.0





#83

Chrysene

Concen: 39.696 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

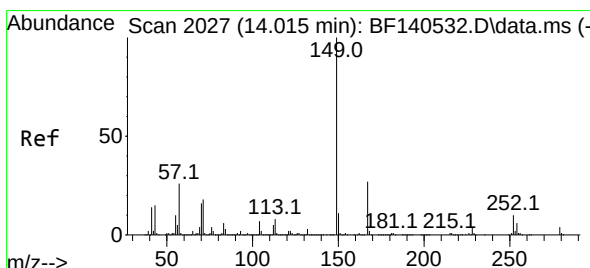
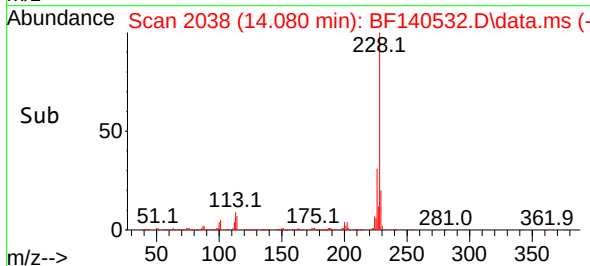
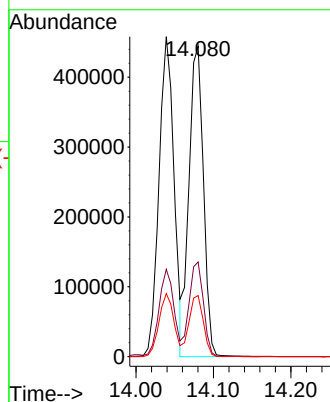
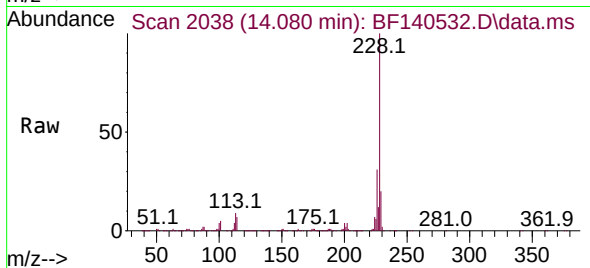
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 575079 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.5  | 24.4  | 36.6   |
| 229       | 19.7  | 15.8  | 23.6   |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 39.604 ng

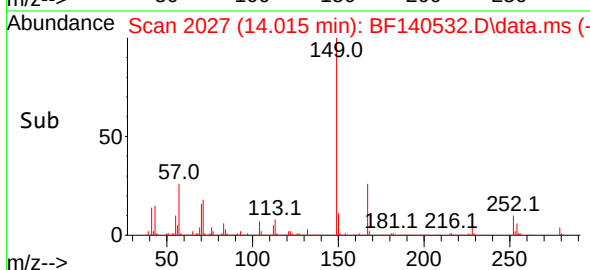
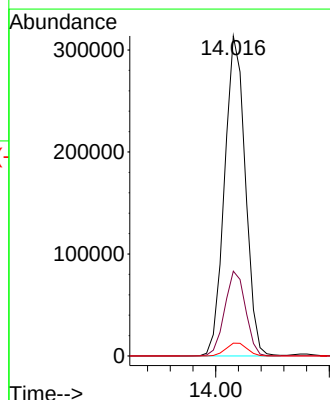
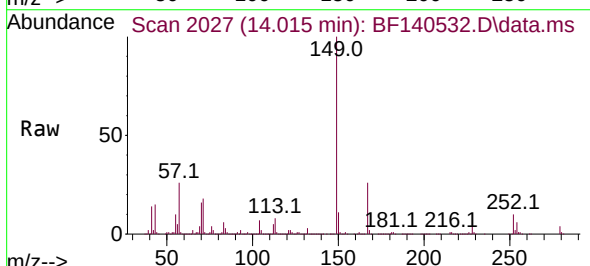
RT: 14.015 min Scan# 2027

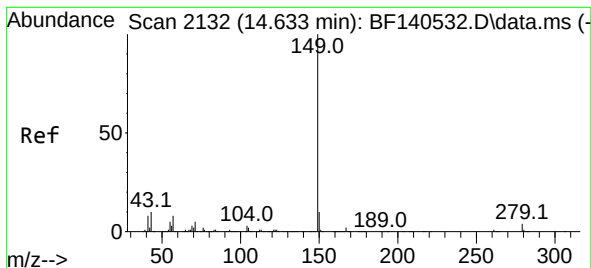
Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

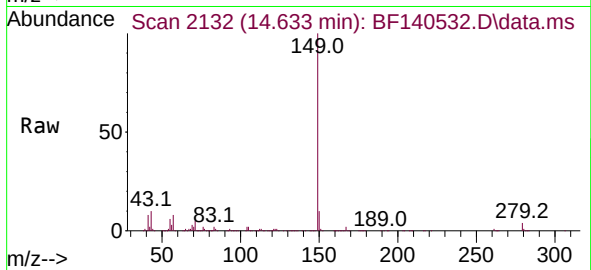
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 398677 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.5  | 21.2  | 31.8   |
| 279       | 4.0   | 3.2   | 4.8    |





#85  
Di-n-octyl phthalate  
Concen: 39.393 ng  
RT: 14.633 min Scan# 2132  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

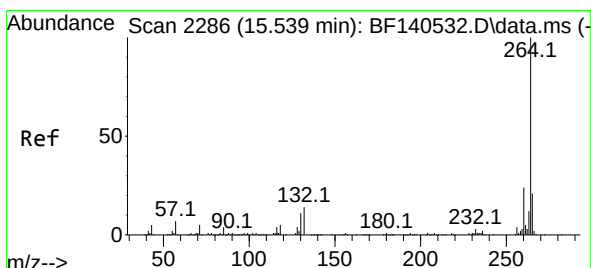
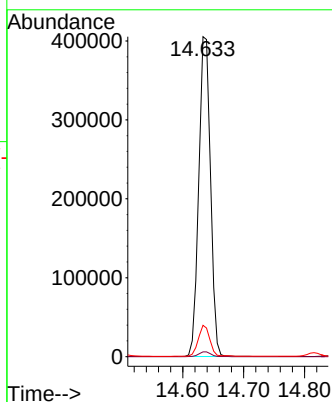
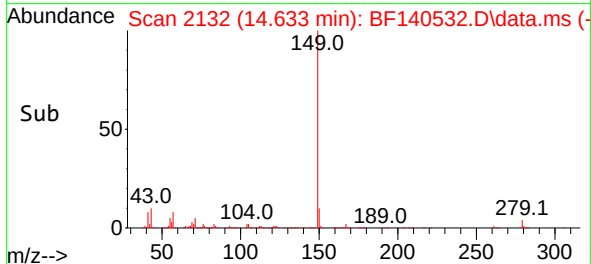
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



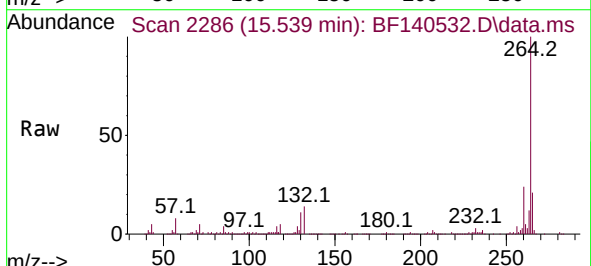
Tgt Ion:149 Resp: 54193  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.6 7.7 11.5

Manual Integrations  
APPROVED

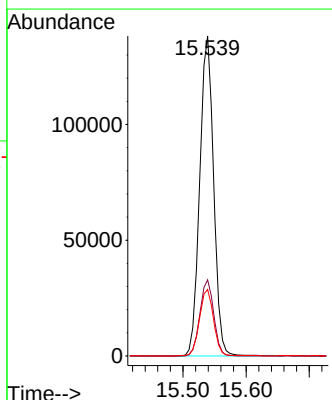
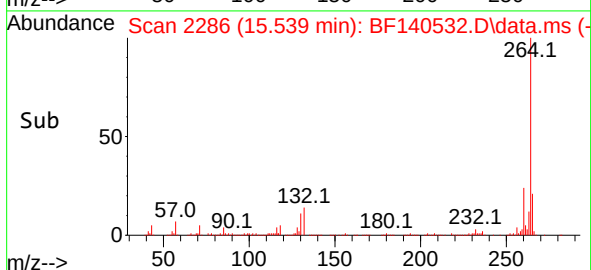
Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024

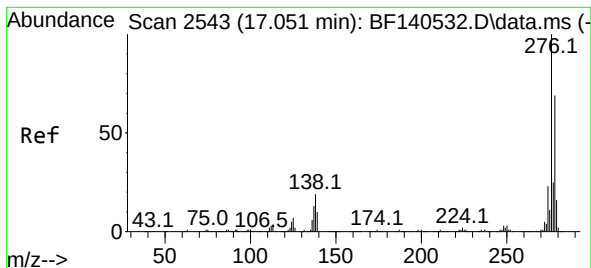


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.539 min Scan# 2286  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:264 Resp: 211422  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.0 28.6  
265 20.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 40.034 ng

RT: 17.051 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:276 Resp: 551590

Ion Ratio Lower Upper

276 100

138 19.4 15.5 23.3

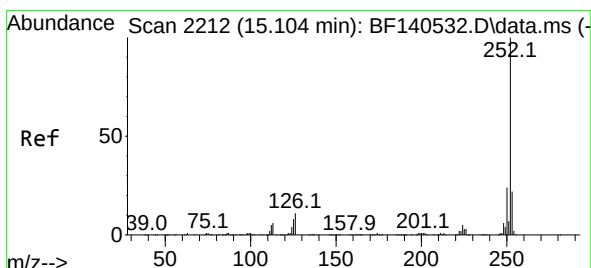
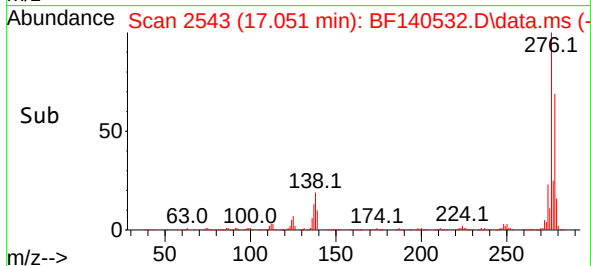
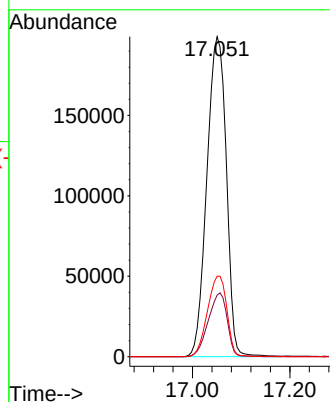
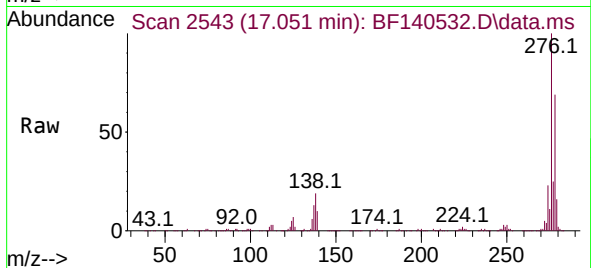
277 25.1 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#88

Benzo(b)fluoranthene

Concen: 37.772 ng

RT: 15.104 min Scan# 2212

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

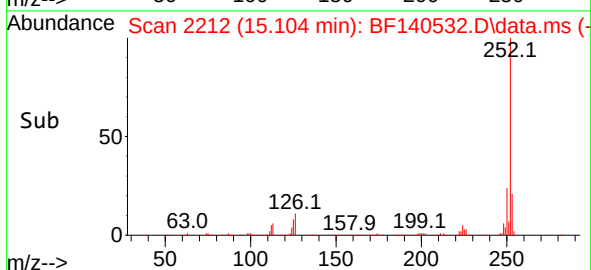
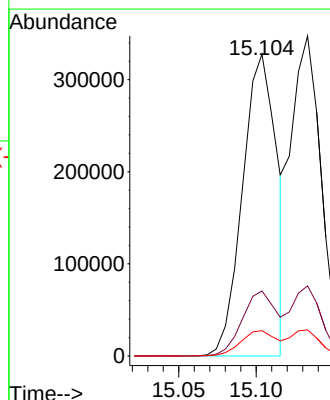
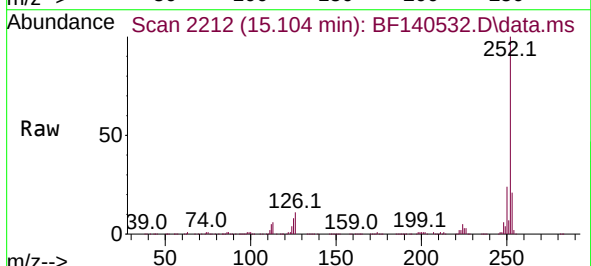
Tgt Ion:252 Resp: 501607

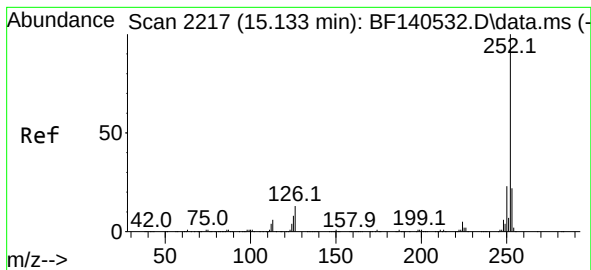
Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

125 8.4 6.7 10.1





#89

Benzo(k)fluoranthene

Concen: 40.067 ng

RT: 15.133 min Scan# 2217

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 465620

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

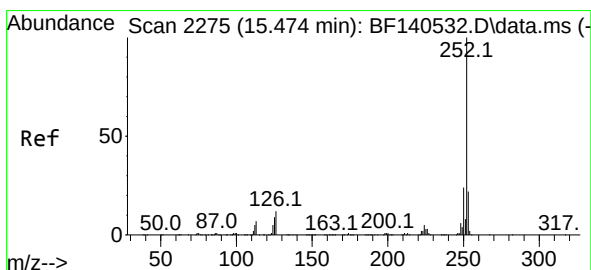
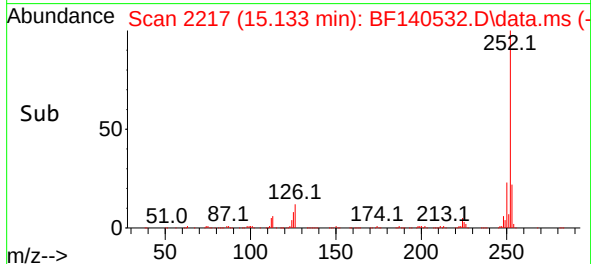
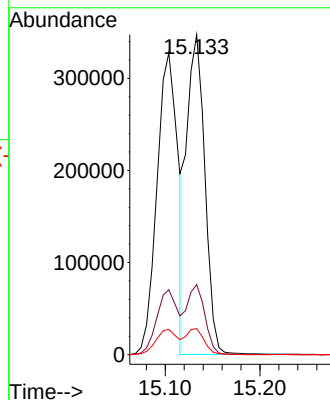
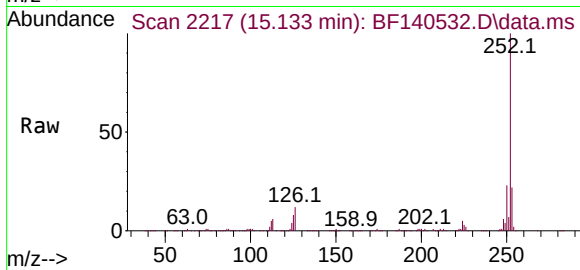
125 8.1 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/22/2024

Supervised By :mohammad ahmed 11/27/2024



#90

Benzo(a)pyrene

Concen: 39.444 ng

RT: 15.474 min Scan# 2275

Delta R.T. 0.000 min

Lab File: BF140532.D

Acq: 21 Nov 2024 12:58

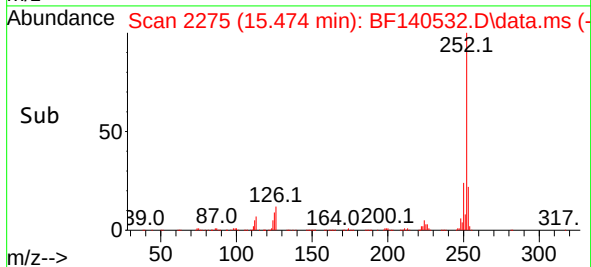
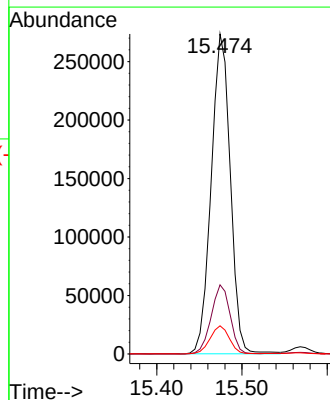
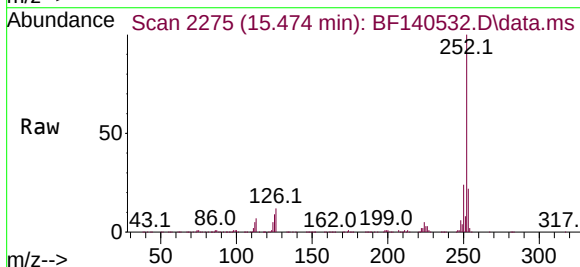
Tgt Ion:252 Resp: 425894

Ion Ratio Lower Upper

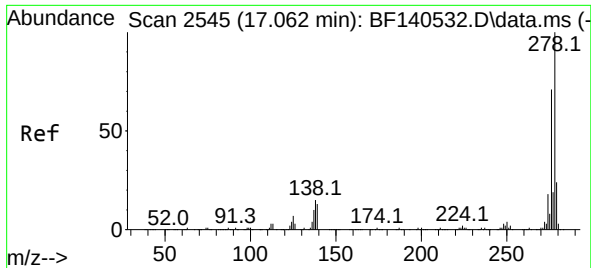
252 100

253 21.6 17.3 25.9

125 8.8 7.0 10.6

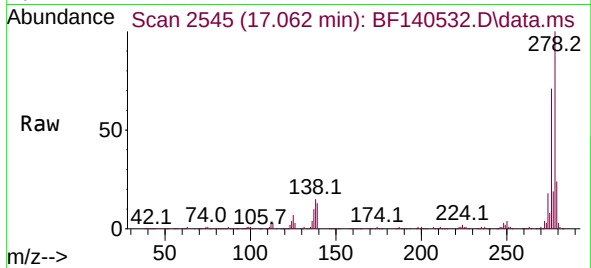






#91  
Dibenzo(a,h)anthracene  
Concen: 40.022 ng  
RT: 17.062 min Scan# 2545  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58

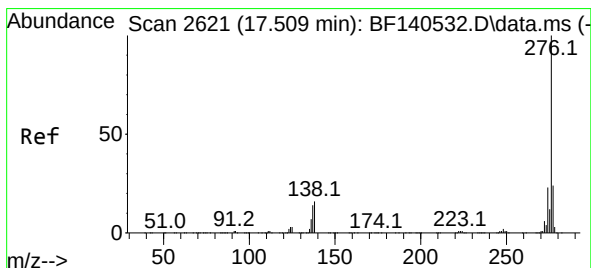
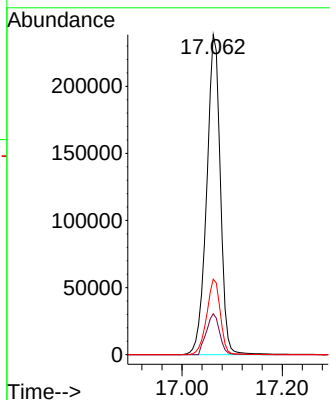
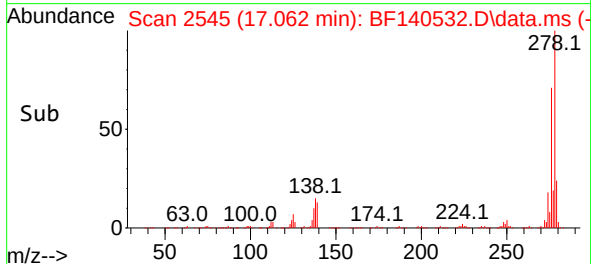
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040



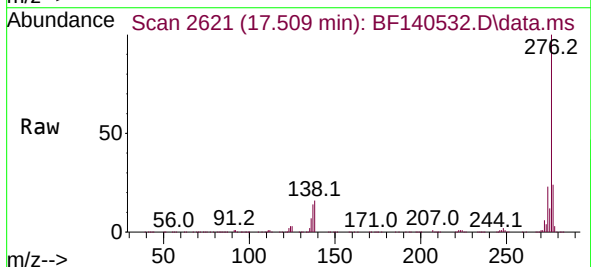
Tgt Ion:278 Resp: 451597  
Ion Ratio Lower Upper  
278 100  
139 12.8 10.2 15.4  
279 23.6 18.9 28.3

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 11/22/2024  
Supervised By :mohammad ahmed 11/27/2024



#92  
Benzo(g,h,i)perylene  
Concen: 39.861 ng  
RT: 17.509 min Scan# 2621  
Delta R.T. 0.000 min  
Lab File: BF140532.D  
Acq: 21 Nov 2024 12:58



Tgt Ion:276 Resp: 458972  
Ion Ratio Lower Upper  
276 100  
277 23.6 18.9 28.3  
138 16.5 13.2 19.8

